CUMULATED INDEX MEDICUS

VOLUME 23, 1987

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
National Institutes of Health

ISSN: 0090-1423

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Cumulated Index medicus. -- Vol. 1 (Jan.-Dec.1960)-
.-- Chicago : American Medical Association ;
Washington, D.C. : Supt. of Docs., U.S. G.P.O.
[distributor], 1961-
v.
Vols. for 1965- issued by the National Library of Medicine.
Continues: Quarterly cumulative Index medicus.
Annual cumulation of the monthly issues of Index medicus.
Vols. for 1971-1978 issued as DHEW publication ; no. (NIH) 72-259, etc.; for 1979- as NIH publication ; no. 80-259, etc.
Issues for 1967- include Bibliography of medical reviews.
ISSN 0090-1423 = Cumulated Index medicus.

1. Bibliography of Medicine 2. Medicine - indexes I. American Medical Association. II. National Library of Medicine (U.S.). III. Bibliography of medical reviews IV. Index medicus V. Series: DHEW publication ; no. (NIH) 72-259, etc. VI. Series: NIH publication ; no. 80-259, etc.

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TRENDS

Trends in private insurance coverage for mental illness. Brady J, et al. **Am J Psychiatry** 1986 Oct;143(10):1276–9

UTILIZATION

Use of outpatient mental health services in HMO and fee–for–service plans: results from a randomized controlled trial. Wells KB, et al. **Health Serv Res** 1986 Aug; 21(3):453–74

Use of outpatient mental health services by a general population with health insurance coverage. Wells KB, et al. **Hosp Community Psychiatry** 1986 Nov;37(11):1119–25

A comparison of the effects of sociodemographic factors and health status on use of outpatient mental health services in HMO and fee–for–service plans. Wells KB, et al. **Med Care** 1986 Oct;24(10):949–60

Factors related to the use of ambulatory mental health services in three provider plans. Diehr P, et al. **Soc Sci Med** 1986;23(8):773–80

INSURANCE, SURGICAL see under INSURANCE, HEALTH

INTELLIGENCE

Intellectual impairment in Parkinson's disease. Stern Y, et al. **Adv Neurol** 1987;45:405–8

More on the effects of early manual communication on the cognitive development of deaf children. Zwiebel A. **Am Ann Deaf** 1987 Mar;132(1):16–20

Birth weight, respiratory distress syndrome, and cognitive development. A four–year follow–up of preterm infants. Ludman WL, et al. **Am J Dis Child** 1987 Jan;141(1):79–83

Antenatal hypoxia and low IQ values. Naeye RL, et al. **Am J Dis Child** 1987 Jan;141(1):50–4

Estimated intelligence and long–term outcomes of opioid addicts. Chastain RL, et al. **Am J Drug Alcohol Abuse** 1986; 12(4):331–40

Definition and classification of mental retardation: a reply to Zigler, Balla, and Hodapp. Barnett WS. **Am J Ment Defic** 1986 Sep;91(2):111–9

Relationship of perceived stimulus structure and intelligence: farther tests of a separability hypothesis. Burns B. **Am J Ment Defic** 1986 Sep;91(2):196–200

Theoretical notions of intelligence and mental retardation. Detterman DK. **Am J Ment Defic** 1987 Jul;92(1):2–11

Relation of lead and social factors to IQ of low–SES children: a partial replication. Hawk BA, et al. **Am J Ment Defic** 1986 Sep;91(2):178–83

Temperament and intellectual development: a longitudinal study from infancy to four years. Maziade M, et al. **Am J Psychiatry** 1987 Feb;144(2):144–50

Genotype–environment correlation and IQ. Loehlin JC, et al. **Behav Genet** 1987 May;17(3):263–77

Intelligence in fathers and sons: familial resemblances and generational differences. Teasdale TW, et al. **Behav Genet** 1987 May;17(3):279–89

The cognitive processing of gifted, high average, and low average ability students. Schofield NJ, et al. **Br J Educ Psychol** 1987 Feb;57 (Pt 1):9–20

Depression influences intellectual impairment in stroke patients. Robinson RG, et al. **Br J Psychiatry** 1986 May; 148:541–7

Relations between a dermatoglyphic measure, hemispheric specialization, and intellectual abilities in 47,XXY males. Netley C, et al. **Brain Cogn** 1987 Apr;6(2):153–60

Volumetric asymmetries of the human brain: intellectual correlates. Yeo RA, et al. **Brain Cogn** 1987 Jan;6(1):15–23

Intelligence "artificial" or otherwise [editorial]Ruskin AP. **Bull NY Acad Med** 1986 Nov;62(9):923–7

Intelligence and personality profile of battering parents in Greece: a comparative study. Kokkevi A, et al. **Child Abuse Negl** 1987;11(1):93–9

Biological nonoptimality and quality of postnatal environment as codeterminants of intellectual development. Breitmayer BJ, et al. **Child Dev** 1986 Oct;57(5):1151–65

Longitudinal stability of cognitive ability from infancy to early childhood: genetic and environmental etiologies. LaBuda MC, et al. **Child Dev** 1986 Oct;57(5):1142–50

Latent growth curves within developmental structural equation models. McArdle JJ, et al. **Child Dev** 1987 Feb; 58(1):110–33

Predicting intellectual functioning in 47,XXY boys from characteristics of sibs. Netley C. **Clin Genet** 1987 Jul; 32(1):24–7

Intellectual deficits associated with early onset of insulin–dependent diabetes mellitus in children. Rovet JF, et al. **Diabetes Care** 1987 Jul–Aug;10(4):510–5

Academic achievement of children with epilepsy. Seidenberg M, et al. **Epilepsia** 1986 Nov–Dec;27(6):753–9

A comparison between the neurological and intellectual abnormalities in children and adults with congenital hypothyroidism. Frost GJ, et al. **Eur J Pediatr** 1986 Dec; 145(6):480–4

On the Walz, Harper and Wilson article [letter] Charles DC. **Gerontologist** 1987 Jun;27(3):388

Hypnotizability and performance at examination. A correlative study. Palan BM, et al. **Indian J Physiol Pharmacol** 1986 Apr–Jun;30(2):139–44

Lead exposure and children's intellectual performance. Pocock SJ, et al. **Int J Epidemiol** 1987 Mar;16(1):57–67

Dietary aflatoxins, intelligence and school performance in southern Georgia. Caster WO, et al. **Int J Vitam Nutr Res** 1986;56(3):291–5

Virginia Woolf and Leslie Stephen: a father's contribution to psychosis and genius. Bond AH. **J Am Acad Psychoanal** 1986 Oct;14(4):507–24

Association of serotonin concentration to behavior and IQ in autistic children. Kuperman S, et al. **J Autism Dev Disord** 1987 Mar;17(1):133–40

Introduction to the Kaufman Assessment Battery for Children (K–ABC) for pediatric neuroclinicians. Kaufman AS, et al. **J Child Neurol** 1987 Jan;2(1):3–16

Patterns of intellectual functioning in non–retarded autistic and schizophrenic children. Asarnow RF, et al. **J Child Psychol Psychiatry** 1987 Mar;28(2):273–80

Emotional and intellectual correlates of unsuccessful suicide attempts in people with epilepsy. Batzel LW, et al. **J Clin Psychol** 1986 Sep;42(5):699–702

The clinical use of a modified WAIS procedure in a geriatric population. Cargnello JC, et al. **J Clin Psychol** 1987 Mar; 43(2):286–90

Behavioral treatment and normal educational and intellectual functioning in young autistic children. Lovaas OI. **J Consult Clin Psychol** 1987 Feb;55(1):3–9

Intelligence quotient and its association with parasitic infection and some social factors among primary school children in Alexandria. Gad ZM, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):347–59

Complexity of IQ: comment on Ceci and Liker (1986). Reagan RT. **J Exp Psychol [Gen]** 1987 Sep;116(3):302–6

The intellectual caliber of medical students of the 1980s and past decades. Lupo JV, et al. **J Med Educ** 1987 Aug; 62(8):680–2

Mental outcome in West syndrome: prognostic value of some clinical factors. Favatà I, et al. **J Ment Defic Res** 1987 Mar;31 (Pt 1):9–15

A longitudinal study of numbers of males and females in mental retardation services by age, IQ and placement. Richardson SA, et al. **J Ment Defic Res** 1986 Sep;30 (Pt 3):291–300

The relationship between chronological age, length of institutionalization and measured intellectual functioning among moderately mentally retarded adults. Russell T, et al. **J Ment Defic Res** 1986 Dec;30 (Pt 4):331–9

Relationships between neuropathology and cognitive functioning in temporal lobectomy patients. McMillan TM, et al. **J Neurol Neurosurg Psychiatry** 1987 Feb;50(2):167–76

Outcome in children with enteroviral meningitis during the first year of life. Bergman I, et al. **J Pediatr** 1987 May; 110(5):705–9

Early clinical manifestations and intellectual outcome in children with symptomatic congenital cytomegalovirus infection. Conboy TJ, et al. **J Pediatr** 1987 Sep;111(3):343–8

Intellectual outcome in children with fetal hypothyroidism. Rovet J, et al. **J Pediatr** 1987 May;110(5):700–4

Comparison of mental age estimates made by pediatricians and mothers of preschool children. Johnson D, et al. **J Pediatr Psychol** 1986 Sep;11(3):385–92

Relation of intelligence to ego functioning in an adult psychiatric population. Allen JG, et al. **J Pers Assess** 1986 Summer;50(2):212–21

The relations between type A behavior, clinically relevant behavior, academic achievement, and IQ in children. Bachman EE, et al. **J Pers Assess** 1986 Summer; 50(2):186–92

Intellectual functioning and aggression. Huesmann LR, et al. **J Pers Soc Psychol** 1987 Jan;52(1):232–40

Personality, intelligence, and spatial visualization: correlates of mental rotations test performance. Ozer DJ. **J Pers Soc Psychol** 1987 Jul;53(1):129–34

Finding able minds in disabled bodies. Wilson SL, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1444–6

More pointers on PKU [letter] **MCN** 1987 Jul–Aug;12(4):239

Human knowledge, scientific research and dreaming. Elomaa E. **Med Hypotheses** 1986 Nov;21(3):293–7

Intelligence testing: bryter still and bryter? [news] Brand C. **Nature** 1987 Jul 9–15;328(6126):110

A long–term increase in the fluid intelligence of English children. Lynn R, et al. **Nature** 1987 Aug 27–Sep 2; 328(6133):797

Physiological correlates of extreme intellectual precocity. Benbow CP. **Neuropsychologia** 1986;24(5):719–25

Levels of competence [letter] Conlon GB. **NZ Med J** 1986 Sep 10;99(809):683–4

The correlation between nutritional status, head circumference and intelligence of primary school pupils. Sugeng B, et al. **Paediatr Indones** 1986 Mar–Apr; 26(3–4):43–55

Long–term intellectual prognosis of hydrocephalus with reference to 77 children. Billard C, et al. **Pediatr Neurosci** 1985–86;12(4–5):219–25

Early failure of the famous. Illingworth R. **Pediatrician** 1986; 13(2–3):70–3

Cytomegalovirus and the brain [letter] Ades A, et al. **Pediatrics** 1987 May;79(5):840–1

Intelligence quotient scores of 4–year–old children: social–environmental risk factors. Sameroff AJ, et al. **Pediatrics** 1987 Mar;79(3):343–50

Mental and motor development correlates in patients with end–stage biliary atresia awaiting liver transplantation. Stewart SM, et al. **Pediatrics** 1987 Jun;79(6):882–8

Predictors of intelligence quotient and intelligence quotient change in persons treated for phenylketonuria early in life. Waisbren SE, et al. **Pediatrics** 1987 Mar;79(3):351–5

Growth and intellectual development. Wilson DM, et al. **Pediatrics** 1986 Oct;78(4):646–50

Rotation of images and primary mental abilities: influence of information and sex. Campos A, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):644–6

Verbal, perceptual and intellectual factors associated with reading achievement in adolescents with cerebral palsy. Dorman C. **Percept Mot Skills** 1987 Apr;64(2):671–8

Correlation between auditory reaction time and intelligence. Poon PW, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):375–8

Learning style and intelligence of reading disabled students. Sinatra R, et al. **Percept Mot Skills** 1986 Dec;63(3):1243–50

Predicting neuropsychological impairment by screening instruments and intellectual evaluation indices: implications for the meaning of Kaufman's factor III. Bowers TG, et al. **Psychol Rep** 1986 Oct;59(2 Pt 1):487–93

Comparison of intelligence and memory in patients with diffuse and focal injury. Corrigan JD, et al. **Psychol Rep** 1987 Jun;60(3 Pt 1):899–906

Early signs of school age IQ [news] Kolata G. **Science** 1987 May 15;236(4803):774–5

Effect of father's education on child's cognitive ability. Li CC. **Soc Biol** 1986 Fall–Winter;33(3–4):316–21

Aspirin and acetaminophen use by pregnant women and subsequent child IQ and attention decrements. Streissguth AP, et al. **Teratology** 1987 Apr;35(2):211–9

[The long–term neuropsychological future of children with transposition of the great vessels operated on using extracorporeal circulation and deep hypothermia] Dalery J, et al. **Ann Pediatr (Paris)** 1986 Oct;33(8):745–50 (Eng. Abstr.) **(Fre)**

[Relation of intelligence and concept formation on problem solving performance: a theoretical sketch and some empirical results] Hentschel U, et al. **Arch Psychol (Frankf)** 1986;138(4):287–94 (Eng. Abstr.) **(Ger)**

[Psychological partial performance deficits in normally intelligent children with school failure] von Suchodoletz W. **Arztl Jugendkd** 1987;78(1):44–50 (Eng. Abstr.) **(Ger)**

[Effect of timing of surgery on the intellectual and psychosocial development of children with tetralogy of Fallot] Jedlicka–Köhler I, et al. **Klin Padiatr** 1987 Mar–Apr;199(2):86–9 (Eng. Abstr.) **(Ger)**

[Psychosocial aspects of the treatment of phenylketonuria] Schweitzer S, et al. **Klin Padiatr** 1987 Mar–Apr;199(2):90–4 (Eng. Abstr.) **(Ger)**

[Intellectual development of at–risk children—results of the Rostock longitudinal study after 10 years] Teichmann H, et al. **Padiatr Grenzgeb** 1986;25(4):359–70 (Eng. Abstr.) **(Ger)**

[Reduced optimal obstetric and postnatal conditions in children with phenylketonuria and their effect on the success of treatment] Wisser S, et al. **Padiatr Padol** 1986; 21(4):351–6 (Eng. Abstr.) **(Ger)**

[Intelligence training of handicapped patients. An experimental evaluation study of constructive training for the promotion of general intelligence in learning disabled students in a school for patients with speech disorders] Masendorf F, et al. **Rehabilitation (Stuttg)** 1986 Aug; 25(3):116–22 (Eng. Abstr.) **(Ger)**

[Intellectual level and personality in Duchenne's muscular dystrophy. A comparative study with normal children] Zucco R, et al. **Minerva Pediatr** 1986 Aug 31; 38(15–16):689–94 (Eng. Abstr.) **(Ita)**

[Analysis of intellectual faculties in Parkinson's disease] Nishikawa S, et al. **Rinsho Shinkeigaku** 1986 Jun; 26(6):568–73 (Eng. Abstr.) **(Jpn)**

[Intellectual activity in late–stage amyotrophic lateral sclerosis] Nishikawa S, et al. **Rinsho Shinkeigaku** 1986 Nov; 26(11):1197–202 (Eng. Abstr.) **(Jpn)**

[Genes and intelligence] Sundet JM, et al. **Tidsskr Nor Laegeforen** 1987 Jun 30;107(19–21):1638–41 (Eng. Abstr.) **(Nor)**

[Evaluation of the intellectual level of women with epilepsy] Rościszewska D, et al. **Psychiatr Pol** 1986 Sep–Oct; 20(5):337–43 (Eng. Abstr.) **(Pol)**

[Intellectual efficiency of alcohol–dependent persons kept in detention] Sławińska JB. **Psychiatr Pol** 1986 Jul–Aug; 20(4):282–7 (Eng. Abstr.) **(Pol)**

[Intellectual efficiency of alcohol–dependent adolescents and adults kept in detention] Sławińska JB. **Psychiatr Pol** 1986 Jul–Aug;20(4):288–93 (Eng. Abstr.) **(Pol)**

[Mental development and dynamics of psychoneurologic processes in children from an environment exposed to contamination with heavy metals] Franiczek W, et al. **Wiad Lek** 1986 Dec 1;39(23):1608–12 (Eng. Abstr.) **(Pol)**

[Mental development of adolescents receiving vocational and general education] Bazylevich–Val'chak B, et al. **Gig Sanit** 1986 Oct;(10):51–3 **(Rus)**

[Dynamics of the mental capacity of 6–year–old children during learning activities] Matveeva NA, et al. **Gig Sanit** 1986 Sep;(9):33–5 (Eng. Abstr.) **(Rus)**

[Effect of psychological traits of children with cerebral palsy on the efficacy of orthopedic–surgical treatment] Mamalchuk II, et al. **Ortop Travmatol Protez** 1986 Nov; (11):58–61 (Eng. Abstr.) **(Rus)**

[Alexithymia and verbal intelligence: lateralization or hemispheric dificit?] Núñez P, et al.

Actas Luso Esp Neurol Psiquiatr Cienc Afines 1986 Sep–Oct;14(5):392–8 (Eng. Abstr.) **(Spa)**
[Depression among geniuses (Schwermut)] Tellenbach H. **An R Acad Nac Med (Madr)** 1986;103(3):369–81 **(Spa)**

DRUG EFFECTS

Neonates prenatally exposed to anesthetics: four-year follow-up. Hollenbeck AR, et al. **Child Psychiatry Hum Dev** 1986 Fall;17(1):66–70
Effects of phenobarbital on early intellectual and behavioral development: a concordant twin case study. Byrne JM, et al. **J Clin Exp Neuropsychol** 1987 Aug;9(4):393–8
The safety of aspartame [letter] **JAMA** 1987 Jul 10; 258(2):205–6
Lead and IQ [letter] **Lancet** 1987 Jun 27;1(8548):1495
Lead and children's IQ [letter] **Lancet** 1987 Aug 1; 2(8553):285–6
Lead and children's IQ [letter] Pocock SJ, et al. **Lancet** 1987 Jul 18;2(8551):153–4
Psycho-social factors, lead exposure, and IQ. Schroeder SR, et al. **Monogr Am Assoc Ment Defic** 1987;(8):97–137
Addiction time and intellectual impairment in heroin users. Cipolli C, et al. **Psychol Rep** 1987 Jun;60(3 Pt 2):1099–105

PHYSIOLOGY

Intelligence, cognition, confusion, dementia and the law of three and a half: toward a new mathematical equation of sleep. Liberson WT. **Electromyogr Clin Neurophysiol** 1986 Aug–Sep;26(5–6):309–14
EEG frequency spectrum and differential effects of aging on intellectual capacities in mental patients. Liberson WT, et al. **Electromyogr Clin Neurophysiol** 1986 Aug–Sep; 26(5–6):385–8
Cognition. Parallel distributed processing [news] Sutherland S. **Nature** 1986 Oct 9–15;323(6088):486

INTELLIGENCE TESTS

Construct validity of the Kaufman Assessment Battery for Children with mildly mentally retarded students. Obrzut A, et al. **Am J Ment Defic** 1987 Jul;92(1):74–7
A source of variance in IQ unique to the lower-scoring monozygotic (MZ) cotwin. Bailey JM, et al. **Behav Genet** 1986 Sep;16(5):509–16
Learning disabilities and intelligence test results: a principal components analysis of the British Ability Scales. Elliott CD, et al. **Br J Psychol** 1987 Aug;78 (Pt 3):325–33
Bradyphrenia in Parkinson's disease and psychomotor retardation in depressive illness. An experimental study. Rogers D, et al. **Brain** 1987 Jun;110 (Pt 3):761–76
Achievements of young children on items of the Griffiths scales: 1980 compared with 1960. Hanson R, et al. **Child Care Health Dev** 1987 May–Jun;13(3):181–95
MMPI and intelligence correlates: assessment of relationships via multivariate analyses. Caspy T, et al. **J Clin Psychol** 1987 Jul;43(4):415–21
Comparison of the PPVT-R and WAIS-R in state hospital psychiatric patients. Mangiaracina J, et al. **J Clin Psychol** 1986 Sep;42(5):817–20
The Goldstein-Scheerer Cube Test: a developmental-regressive study. Strauss H, et al. **J Clin Psychol** 1986 Sep;42(5):799–809
Age-corrected norms for Shipley Institute of Living Scale scores derived from psychiatric inpatients. Tamkin AS, et al. **J Clin Psychol** 1987 Jan;43(1):138–42
Information seeking of high- and low-anxiety subjects after receiving positive and negative self-relevant feedback. Frey D, et al. **J Pers** 1986 Dec;54(4):694–703
Intelligence testing: bryter still and bryter? [news] Brand C. **Nature** 1987 Jul 9–15;328(6126):110
The Hebb-Williams test to assess recovery of learning after limbic lesions in mice. Meunier M, et al. **Physiol Behav** 1986;37(6):909–13
Intelligence testing of children. Key issues for physicians. Kaufman ME, et al. **Postgrad Med** 1987 Apr;81(5):249–51, 254–5
Speed as a variable in the performance of partially hearing children on tests of cognitive ability. Brand HJ, et al. **Psychol Rep** 1987 Jun;60(3 Pt 1):711–4
Relationships between scores on Stanford-Binet IV and Wechsler Intelligence Scale for Children-Revised. Carvajal H, et al. **Psychol Rep** 1986 Oct;59(2 Pt 2):963–6
The Kent Infant Development Scale: concurrent and predictive validity of a modified administration. Morrow-Tlucak M, et al. **Psychol Rep** 1987 Jun;60(3 Pt 1):887–94
[Family dynamics, emotional changes and the intelligence quotient in children with aplastic anemia] Velasco de Parra ML, et al. **Bol Med Hosp Infant Mex** 1986 Aug; 43(8):457–62 (Eng. Abstr.) **(Spa)**

STANDARDS

Restandardization of DDST from six cities in north China. The Collaborative Study Group of Child Developmental Test. **Chin Med J [Engl]** 1986 Feb;99(2):166–72
[Empirical studies of the long-term stability of test norms] Wolfram H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Jul;38(7):369–77 (Eng. Abstr.) **(Ger)**

INTENSIVE CARE see **CRITICAL CARE**

INTENSIVE CARE UNITS

see related
CRITICAL CARE

Infections in a pediatric intensive care unit. Brown RB, et al. **Am J Dis Child** 1987 Mar;141(3):267–70
Handwashing technique in a pediatric intensive care unit. Donowitz LG. **Am J Dis Child** 1987 Jun;141(6):683–5
Automatic extraction of intensity-intervention scores from a computerized surgical intensive care unit flowsheet. Shabot MM, et al. **Am J Surg** 1987 Jul;154(1):72–8
A prospective study of lung water measurements during patient management in an intensive care unit. Eisenberg PR, et al. **Am Rev Respir Dis** 1987 Sep;136(3):662–8
Diagnosis of nosocomial pneumonia in intubated, intensive care unit patients. Salata RA, et al. **Am Rev Respir Dis** 1987 Feb;135(2):426–32
The relationship of scoring systems and mortality in the surgical intensive care unit. Horst HM, et al. **Am Surg** 1987 Aug;53(8):456–9
Bedside computers in the surgical intensive care unit. Seiver A, et al. **Angiology** 1987 Mar;38(3):248–52
Critical care nursing. Dracup K. **Annu Rev Nurs Res** 1987; 5:107–33 (140 ref.)
Nosocomial hepatitis A infection in a paediatric intensive care unit. Drusin LM, et al. **Arch Dis Child** 1987 Jul; 62(7):690–5
Predicting the clinical course in intentional drug overdose. Implications for use of the intensive care unit. Brett AS, et al. **Arch Intern Med** 1987 Jan;147(1):133–7
Bolus injection of cimetidine and hypotension in patients in the intensive care unit. Incidence and mechanisms. Kiowski W, et al. **Arch Intern Med** 1987 Jan;147(1):153–6
Possible role of vacuum systems and compressed air generators in cross-infection in the ICU. A radioactive tracer study. Bjerring P, et al. **Br J Anaesth** 1987 May; 59(5):648–50
Understanding and selecting monitoring equipment in anaesthesia and intensive care. Hope CE, et al. **Can Anaesth Soc J** 1986 Sep;33(5):670–9
Ethical and family management problems in the intensive care unit—an illustrative case. Burden JM, et al. **Can J Anaesth** 1987 May;34(3 (Pt 1)):274–9
A psychiatric intensive care unit in a general hospital setting. Warneke L. **Can J Psychiatry** 1986 Dec;31(9):834–7
Central vs peripheral venous catheters in critically ill patients. Giuffrida DJ, et al. **Chest** 1986 Dec;90(6):806–9
Spectrum of serum cortisol response to ACTH in ICU patients. Correlation with degree of illness and mortality. Jurney TH, et al. **Chest** 1987 Aug;92(2):292–5
Should the Mobile Intensive Care Unit respond to pediatric emergencies? Applebaum D, et al. **Clin Pediatr (Phila)** 1986 Dec;25(12):620–3
A comparison of methods to predict mortality of intensive care unit patients. Lemeshow S, et al. **Crit Care Med** 1987 Aug;15(8):715–22
Abnormalities of some phagocyte membrane receptors during nosocomial infections. Martin C, et al. **Crit Care Med** 1987 May;15(5):467–74
Nosocomial infections in a respiratory intensive care unit. Potgieter PD, et al. **Crit Care Med** 1987 May;15(5):495–8
Can intermediate care substitute for intensive care? [editorial] Teres D, et al. **Crit Care Med** 1987 Mar;15(3):280
Impact of hemodynamic monitoring in a medical intensive care unit. Tuchschmidt J, et al. **Crit Care Med** 1987 Sep; 15(9):840–3
Drug use in a surgical intensive care unit. Dasta JF. **Drug Intell Clin Pharm** 1986 Oct;20(10):752–6
Acute methanol intoxication: a survey of patients requiring intensive therapy. Vickers AP, et al. **Eur J Anaesthesiol** 1987 Mar;4(2):133–41
Epidemiology of adverse drug reactions in intensive care units. A multicentre prospective survey. Italian Group on Intensive Care Evaluation (IGICE). **Eur J Clin Pharmacol** 1987;31(5):507–12
Intensive care therapy for patients with hematological diseases. Anger B, et al. **Hamatol Bluttransfus** 1987; 30:519–23
Effect of an education-orientation program on family members who visit their significant other in the intensive care unit. Chavez CW, et al. **Heart Lung** 1987 Jan; 16(1):92–9
Medication administration errors in an adult intensive care unit. Girotti MJ, et al. **Heart Lung** 1987 Jul;16(4):449–53
The initial surgical intensive care unit nursing experience with the permanent total artificial heart. Stetich J, et al. **Heart Lung** 1986 Sep;15(5):475–87
Small cell carcinoma of the lung in the intensive care unit. Harkaway P, et al. **Henry Ford Hosp Med J** 1986; 34(4):285–7
Chest radiographs in surgical intensive care patients: a valuable "routine" Horst HM, et al. **Henry Ford Hosp Med J** 1986;34(2):84–6
Computer technology in the ICU. Part 2: The limitations and precautions. Lagler R. **Indiana Med** 1986 Sep; 79(9):756–8
Colonization resistance: a guide to antibiotic policy in the ICU. van Griethuysen AJ, et al. **Infect Control** 1987 Jul; 8(7):269–70
Clinical application of arrhythmia analyzer in ICU. Oyama T, et al. **Int J Clin Monit Comput** 1987;4(2):99–104
Measurement of irradiation doses secondary to bedside radiographs in a medical intensive care unit. Boles JM, et al. **Intensive Care Med** 1987;13(1):60–3
Two cases of compartment syndrome in the intensive care unit. Clayton DG. **Intensive Care Med** 1986;12(6):432–4
The challenge of upper airway obstruction in pediatric intensive care. Moulin D, et al. **Intensive Care Med** 1986; 12(6):412–5
Nosocomial gram-negative pneumonia in critically ill patients. A 3-year experience with a novel therapeutic regimen. Stoutenbeek CP, et al. **Intensive Care Med** 1986; 12(6):419–23
Enteric colonization with antibiotic resistant bacteria in nurses working in intensive care units. Chambers ST, et al. **J Antimicrob Chemother** 1987 May;19(5):685–93
The effect of oral non-absorbable antibiotics on the emergence of resistant bacteria in patients in an intensive care unit. Stoutenbeek CP, et al. **J Antimicrob Chemother** 1987 Apr;19(4):513–20
Hyperamylasemia in patients at an intensive care unit. Kameya S, et al. **J Clin Gastroenterol** 1986 Aug;8(4):438–42
Mortality associated with multiple organ system failure and sepsis in pediatric intensive care unit. Wilkinson JD, et al. **J Pediatr** 1987 Sep;111(3):324–8
Efficiency of intensive care. A comparative analysis of eight pediatric intensive care units. Pollack MM, et al. **JAMA** 1987 Sep 18;258(11):1481–6
Burn treatment for the unburned [editorial] Pruitt BA Jr. **JAMA** 1987 Apr 24;257(16):2207–8
Is pneumonia developing in patients in intensive care always a typical "nosocomial" infection? [letter]Mandelli M, et al. **Lancet** 1986 Nov 8;2(8515):1094–5
Early-onset and late-onset pneumonias in intensive care units [letter] Rodríguez Artalejo F, et al. **Lancet** 1987 Mar 21; 1(8534):690
Nutrient intake in critically ill patients: too many or too few calories? Anderson CF, et al. **Mayo Clin Proc** 1986 Nov; 61(11):853–8
Computerized management of intensive care patients. Gardner RM. **MD Comput** 1986 Jan–Feb;3(1):36–51
Role of the intensive care unit in the management of the poisoned patient. Kulling P, et al. **Med Toxicol** 1986 Sep–Oct;1(5):375–86 (40 ref.)
Sources of fungal contamination in a burn-care unit. Vidotto V, et al. **Mycopathologia** 1986 Aug;95(2):77–80
Accurate prediction of the outcome of pediatric intensive care. A new quantitative method. Pollack MM, et al. **N Engl J Med** 1987 Jan 15;316(3):134–9
Radiation control in the intensive care unit for high intensity iridium-192 brain implants. Sewchand W, et al. **Neurosurgery** 1987 Apr;20(4):584–8
Re: 'Stress in ICU and non-ICU nurses' [letter] Mitchell BK. **Nurs Res** 1987 Mar-Apr;36(2):135
Reflections on the intensive care of 106 acute cervical spinal cord injury patients in the resuscitation unit of a general traumatology centre. Dietz JM, et al. **Paraplegia** 1986 Nov-Dec;24(6):343–9
Adverse occurrences in the pediatric intensive care unit. Riggs CD, et al. **Pediatr Clin North Am** 1987 Feb; 34(1):93–117 (137 ref.)
Pediatric patients in a regional burn center. Parish RA, et al. **Pediatr Emerg Care** 1986 Sep;2(3):165–7
Serious infection in the intensive therapy unit: a 15-year study of bacteraemia. Forgacs IC, et al. **Q J Med** 1986 Aug;60(232):773–9
Postoperative care in pediatric orthotopic liver transplantation. Clément de Cléty S, et al. **Transplant Proc** 1987 Aug;19(4):3338–43
Aspects of pediatric intensive care after liver transplantation. Thompson AE. **Transplant Proc** 1987 Aug;19(4 Suppl 3):34–9
Nutritional support in the management of critically ill patients in surgical intensive care. Streat SJ, et al. **World J Surg** 1987 Apr;11(2):194–201 (55 ref.)
[Initial experience in working at the psychiatric intensive care unit at the Psychiatric Clinic in Plzeň] Sedivec V, et al. **Cesk Psychiatr** 1986 Dec;82(6):374–7 (Eng. Abstr.) **(Cze)**
[Conditions for transportation to specialized burn units] Königová R, et al. **Rozhl Chir** 1986 Dec;65(12):797–801 (Eng. Abstr.) **(Cze)**
[Drugs used in a medical intensive care unit] Bonmarchand G, et al. **Ann Fr Anesth Reanim** 1986;5(5):497–501 (Eng. Abstr.) **(Fre)**
[Nosocomial infections in the intensive care unit] Ducel G. **Schweiz Med Wochenschr** 1987 Mar 21;117(12):417–22 (Eng. Abstr.) **(Fre)**
[Current aspects and future developments in infection prevention in intensive care units] Glinz W. **Schweiz Med Wochenschr** 1987 Mar 21;117(12):426–32 (Eng. Abstr.) **(Ger)**
[A follow-up sheet for intensive care units] Gurman G, et al. **Harefuah** 1987 Apr 1;112(7):324–6 (Eng. Abstr.) **(Heb)**
[Assessing severity of disease in a pediatric intensive care unit] Rottem M, et al. **Harefuah** 1987 May 15;112(10):475–7, 479 (Eng. Abstr.) **(Heb)**
[Pathology of infections in the resuscitation and intensive care center of the Biella Hospital] Fanton G, et al. **Minerva Med** 1986 Sep 22;77(36):1625–38 (Eng. Abstr.) **(Ita)**
[Investigation of cases exhibiting "ICU syndrome" after open heart surgery] Kidani M, et al. **Kyobu Geka** 1987 May; 40(6):474–7 (Eng. Abstr.) **(Jpn)**

[Evaluation of the state of the circulatory system in patients in an intensive care unit according to the results of automated polyrheography examinations] Kamenskaia VN, et al. **Anesteziol Reanimatol** 1986 Jul-Aug;(4):32-5 (Eng. Abstr.) **(Rus)**

[Study of the functional state of the lungs in an intensive care unit] Lebedeva RN, et al. **Anesteziol Reanimatol** 1986 Jul-Aug;(4):20-3 (Eng. Abstr.) **(Rus)**

[A computer system in a cardiac postoperative intensive therapy department] Lebedeva RN, et al. **Vestn Akad Med Nauk SSSR** 1987;(5):83-9 **(Rus)**

ECONOMICS

Intensive care: cost and benefit. Løes O, et al. **Acta Anaesthesiol Scand [Suppl]** 1987;84:3-19

Effect of pharmacist interventions on drug therapy costs in a surgical intensive-care unit. Miyagawa CI, et al. **Am J Hosp Pharm** 1986 Dec;43(12):3008-13

Costs, severity of illness and outcome in intensive care. Slatyer MA, et al. **Anaesth Intensive Care** 1986 Nov; 14(4):381-9

Reducing the costs of ICU admission in Canada without diagnosis-related or case-mix groupings. Girotti MJ, et al. **Can Anaesth Soc J** 1986 Nov;33(6):765-72

Cost-containment in critical care. Birnbaum ML. **Crit Care Med** 1986 Dec;14(12):1068-77 (61 ref.)

The intensive care unit population within the prospective payment scheme. Galanes S, et al. **Heart Lung** 1986 Sep; 15(5):515-20

Will burn centers survive another round of budget cuts? Rees JM, et al. **J Burn Care Rehabil** 1987 May-Jun;8(3):240-1

The failure of success [editorial] Patrick GB. **Pa Med** 1987 Feb;90(2):54-5

Intensive care unit resources and costs [letter] Pollack MM, et al. **Pediatrics** 1987 Feb;79(2):312-3

Cost-effective use of the surgical intensive care unit. Eyer SD, et al. **World J Surg** 1987 Apr;11(2):241-7 (58 ref.)

MANPOWER

A computer simulation program to facilitate budgeting and staffing decisions in an intensive care unit. Hashimoto F, et al. **Crit Care Med** 1987 Mar;15(3):256-9

A volunteer program for helping families in a critical care unit. Parsonnet L, et al. **Health Soc Work** 1987 Winter; 12(1):21-7

"Borrowed" burn nurses: a cost-effective option for providing skilled staff during periods of need. Kibbee E, et al. **J Burn Care Rehabil** 1987 May-Jun;8(3):220-3

METHODS

Improved burn center survival of patients with toxic epidermal necrolysis managed without corticosteroids. Halebian PH, et al. **Ann Surg** 1986 Nov;204(5):503-12

ORGANIZATION & ADMINISTRATION

A new patient registration method for intensive care department management. Van Aken P, et al. **Acta Anaesthesiol Belg** 1987;38(1):23-7

Intensive care unit and operating theatre. Leigh JM. **Contemp Issues Clin Biochem** 1985;2:178-83

In PICUs, the trend is toward affiliation. Nelson S. **Hospitals** 1987 Sep 5;61(17):68

Computerized system in intensive care medicine. Villalobos J, et al. **Med Inf (Lond)** 1986 Jul-Sep;11(3):269-75

[Setting up the ICU] Gao YH. **Chung Hua Hu Li Tsa Chih** 1986 Aug;21(5):210-1 **(Chi)**

[A joint intensive care unit—a suitable model for ensuring immediate care in type I hospitals] Kubát R. **Cesk Zdrav** 1986 Dec;34(12):526-9 (Eng. Abstr.) **(Cze)**

[Organization of organ procurement: evaluation of 8 years' operation of a receiving center for the brain dead] Rieu P, et al. **Agressologie** 1986 Oct;27(9):777-9 **(Fre)**

[The unit for administration and monitoring of intensive care at the Bordet Institute] Sculier JP, et al. **Rev Med Brux** 1986 Dec;7(10):612-7 (Eng. Abstr.) **(Fre)**

[Evaluation of the activities of an intensive care unit in Tunisia during 1-year period: maintenance and management problems] Dhahri MA, et al. **Tunis Med** 1986 May;64(5):461-6 (Eng. Abstr.) **(Fre)**

[A formalized automated card for dynamic observation for a department of resuscitation and intensive therapy] Tsydenov MM, et al. **Anesteziol Reanimatol** 1987 May-Jun; (3):49-52 (Eng. Abstr.) **(Rus)**

[Experience with the organization of the intensive care unit at a polyclinic] Sergel' EV, et al. **Sov Med** 1986;(12):78-80 **(Rus)**

[Intensive psychiatric care units. Their development in Cuba] Iñurias Regalado FJ. **Bol Of Sanit Panam** 1986 Dec; 101(6):660-77 (Eng. Abstr.) **(Spa)**

STANDARDS

Work practices relating to intubation and associated procedures in intensive care units in Sweden. Mehta S, et al. **Acta Anaesthesiol Scand** 1986 Nov;30(8):637-41

The hospital racket: how noisy is your unit? Hilton A. **Am J Nurs** 1987 Jan;87(1):59-61

Organizational structure affects patient survival [interview by Emily Friedman] Knaus W. **Hospitals** 1987 Jul 5; 61(13):62-3

Evaluation of pediatric intensive care in Europe. A collaborative study by the European Club of Pediatric Intensive Care. Beaufils F, et al. **Intensive Care Med** 1987; 13(1):65-70

The therapeutic efficacy of critical care units from two perspectives: a traditional cohort approach vs a new case-control methodology. Charlson ME, et al. **J Chronic Dis** 1987;40(1):31-9

[Patient safety and the nursing staff in intensive therapy] Tulli G, et al. **Minerva Anestesiol** 1986 Dec;52(12):469-76 (Eng. Abstr.) **(Ita)**

SUPPLY & DISTRIBUTION

Pediatricians turn to intensive care work. Nelson S. **Hospitals** 1987 Sep 5;61(17):65-6

TRENDS

[Present status and trends in the development of ICU nursing in Japan] Shen YJ. **Chung Hua Hu Li Tsa Chih** 1986 Dec; 21(9):423-5 **(Chi)**

UTILIZATION

Whose ICU is this, anyway? Strangio L. **Am J Nurs** 1987 May;87(5):700, 702

Utilization of critical care units. A prospective study of physician triage and patient outcome. Sax FL, et al. **Arch Intern Med** 1987 May;147(5):929-34

Identification of low-risk monitor admissions to medical-surgical ICUs. Wagner DP, et al. **Chest** 1987 Sep; 92(3):423-8

Clinical characteristics and resource utilization of ICU patients: implications for organization of intensive care. Henning RJ, et al. **Crit Care Med** 1987 Mar;15(3):264-9

Validation of the mortality prediction model for ICU patients. Teres D, et al. **Crit Care Med** 1987 Mar; 15(3):208-13

Admitting elderly patients to the ICU: dilemmas and solutions. Bellamy PE, et al. **Geriatrics** 1987 Mar; 42(3):61-3, 67-8

Influence of patients' age on survival, level of therapy and length of stay in intensive care units. Nicolas F, et al. **Intensive Care Med** 1987;13(1):9-13

Multidisciplinary intensive care in Bloemfontein, 1981-1984. Badenhorst CH. **S Afr Med J** 1986 Nov 22;70(11):674-8

[Characteristics of poisonings in a pediatric intensive care unit] Aspillaga-Errázuriz M, et al. **Bol Med Hosp Infant Mex** 1987 Jun;44(6):322-6 (Eng. Abstr.) **(Spa)**

INTENSIVE CARE UNITS, NEONATAL

Cytogenetic studies on peripheral blood cultures of neonates treated in an intensive unit. Dobos M, et al. **Acta Paediatr Hung** 1986;27(3):267-73

Radiation exposure reduction by use of Kevlar cassettes in the neonatal nursery. Herman MW, et al. **AJR** 1987 May; 148(5):969-72

Autopsy. High yield in neonatal population. Craft H, et al. **Am J Dis Child** 1986 Dec;140(12):1260-2

Neonatal intensive care unit bacteremia: emergence of gram-positive bacteria as major pathogens. Donowitz LG, et al. **Am J Infect Control** 1987 Aug;15(4):141-7

Oxacillin-resistant coagulase-negative staphylococcal carriage rates in neonatal intensive care nurses and non-patient care hospital personnel. Slight PH, et al. **Am J Infect Control** 1987 Feb;15(1):29-32

Review of causes of perinatal mortality in a regional perinatal center, 1980 to 1984. Ohlsson A, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):443-5

Outbreak of cephalosporin resistant Enterobacter cloacae infection in a neonatal intensive care unit. Modi N, et al. **Arch Dis Child** 1987 Feb;62(2):148-51

In praise of handwashing. Shann F. **Aust Paediatr J** 1986 Nov;22(4):271-2

The emergence of Serratia marcescens as a pathogen in a newborn unit. Wake C, et al. **Aust Paediatr J** 1986 Nov; 22(4):323-6

Effect of night and day on preterm infants in a newborn nursery: randomised trial. Mann NP, et al. **Br Med J [Clin Res]** 1986 Nov 15;293(6557):1265-7

Neonatal hygroscopic condenser humidifier. Gedeon A, et al. **Crit Care Med** 1987 Jan;15(1):51-4

Characteristics, mortality, and outcome of infants weighing over 2500 grams who require intensive care. Udo-Inyang A, et al. **Henry Ford Hosp Med J** 1986;34(4):279-81

Effect of intensive care unit exposure on temperament in low birth weight preterm infants. Spungen LB, et al. **J Dev Behav Pediatr** 1986 Oct;7(5):288-92

Outbreak of colonization of neonates with Enterobacter sakazakii. Arseni A, et al. **J Hosp Infect** 1987 Mar; 9(2):143-50

An outbreak of Campylobacter jejuni infection in a neonatal intensive care unit. Hershkowici S, et al. **J Hosp Infect** 1987 Jan;9(1):54-9

Unusual occurrence of an epidemic of type Ib/c group B streptococcal sepsis in a neonatal intensive care unit. Noya FJ, et al. **J Infect Dis** 1987 Jun;155(6):1135-44

Confirmation of qualitative research findings in the clinical setting: a strategy to promote research application among baccalaureate nursing students. Harrison LL, et al. **J Nurs Educ** 1987 May;26(5):208-10

Malassezia furfur skin colonization of infants hospitalized in intensive care units. Powell DA, et al. **J Pediatr** 1987 Aug; 111(2):217-20

Mortality prevention potential of conservative neonatal care. Daga SR, et al. **J Trop Pediatr** 1986 Aug;32(4):183-5

Ethical dilemmas in the neonatal intensive care unit. Berseth CL. **Mayo Clin Proc** 1987 Jan;62(1):67-72

Current concepts and clinical strategies for managing low-birth-weight infants under radiant warmers. Baumgart S. **Med Instrum** 1987 Feb;21(1):23-8

Neurologic uncertainty in newborn intensive care [letter] Watchko JF. **N Engl J Med** 1987 Oct 8;317(15):960

Five years of experience with the exclusive use of amikacin in a neonatal intensive care unit. Powell KR, et al. **Pediatr Infect Dis J** 1987 May;6(5):461-6

Risk factors associated with candidemia in the neonatal intensive care unit: a case-control study. Weese-Mayer DE, et al. **Pediatr Infect Dis J** 1987 Feb;6(2):190-6

Lung function in infancy and childhood following neonatal intensive care. Arad I, et al. **Pediatr Pulmonol** 1987 Jan-Feb;3(1):29-33

Individualized behavioral and environmental care for the very low birth weight preterm infant at high risk for bronchopulmonary dysplasia: neonatal intensive care unit and developmental outcome. Als H, et al. **Pediatrics** 1986 Dec;78(6):1123-32

Is chronic lung disease in low birth weight infants preventable? A survey of eight centers. Avery ME, et al. **Pediatrics** 1987 Jan;79(1):26-30

Deciding to forgo life-sustaining treatment in the intensive care nursery: a sociologic account. Rostain A. **Perspect Biol Med** 1986 Autumn;30(1):117-34

After discharge from the intensive care nursery: what then for the neonatologist? Fletcher MA. **Semin Perinatol** 1986 Jul;10(3):234-40

[Model for a new type of unit for intensive care and rearing of premature infants at risk] Rankova S. **Akush Ginekol (Sofiia)** 1986;25(4):38-42 (Eng. Abstr.) **(Bul)**

[Current clinical profile of Streptococcus B infections in a Parisian neonatal intensive care unit (apropos 41 cases)] Herrault A, et al. **Bull Acad Natl Med (Paris)** 1987 Jan; 171(1):21-6 (Eng. Abstr.) **(Fre)**

[Incidence of neonatal bacterial infections in intensive care and/or neonatology units. A multicenter study using a computerized data system] Lejeune C, et al. **Pediatrie** 1986 Mar;41(2):95-104 **(Fre)**

[Method of adjusting the netilmicin dosage in neonatal intensive care] Sarlangue J, et al. **Pediatrie** 1986 Mar; 41(2):159-63 (Eng. Abstr.) **(Fre)**

[C-reactive protein and orosomucoid determinations in a neonatal pathology unit] Vanlieferinghen P, et al. **Pediatrie** 1986 Mar;41(2):121-5 (Eng. Abstr.) **(Fre)**

[The transfer of newborn infants. Experience of a department of neonatology] Haddad J, et al. **Presse Med** 1987 Jun 13; 16(22):1083-6 (Eng. Abstr.) **(Fre)**

[Effects of the place of birth on mortality and morbidity of premature newborn infants. Initial experiences at a newly organized perinatal center] Saule H. **Geburtshilfe Frauenheilkd** 1987 Jan;47(1):30-4 (Eng. Abstr.) **(Ger)**

[Value of bacteriologic pharyngeal swabs for monitoring the individual and collective risk of infection in neonatal intensive care units] Clausner B, et al. **Kinderarztl Prax** 1986 Aug;54(8):449-57 (Eng. Abstr.) **(Ger)**

[Comparative studies of noninvasive procedures for blood pressure determination in neonatal intensive therapy] Salewski P, et al. **Kinderarztl Prax** 1987 Feb;55(2):91-6 (Eng. Abstr.) **(Ger)**

[Epidemics of Staphylococcus aureus in a neonatal care unit] Ziccardi MR, et al. **Pediatr Med Chir** 1986 Nov-Dec; 8(6):877-80 (Eng. Abstr.) **(Ita)**

[Effects of early administration of bifidobacterin on the composition of the intestinal microflora of newborn infants in an intensive care unit] Kudinova TI, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):59-61 **(Rus)**

[Heart defects in hospitalized newborn infants] Urriola P, et al. **Rev Chil Pediatr** 1986 Sep-Oct;57(5):422-5 (Eng. Abstr.) **(Spa)**

ECONOMICS

Is skimping on care of the newborn false economy? [letter] Golding AM. **Br Med J [Clin Res]** 1986 Sep 20; 293(6549):755

Skimping on care of the newborn is false economy [editorial] Speidel BD. **Br Med J [Clin Res]** 1986 Sep 6; 293(6547):575-6

The tiniest babies—can we afford them? [editorial] Pemberton PJ. **Med J Aust** 1987 Jan 19;146(2):63-4

Cost effectiveness of neonatal inhalation therapy. Mounla NA, et al. **Middle East J Anesthesiol** 1987 Feb;9(1):77-81

Delivery in a tertiary care perinatal center reduces neonatal intensive care costs. Mammel MC, et al. **Minn Med** 1986 Sep;69(9):504-6

Frequency and cost of diagnosis-related group outliers among newborns. Berki SE, et al. **Pediatrics** 1987 Jun; 79(6):874-81

[UTMB infant special care unit: regional function and costs of care for 1983. Malloy MH, et al. **Tex Med** 1986 Oct; 82(10):31-4

LEGISLATION & JURISPRUDENCE

Baby Doe five years later. Implications for child health. Lantos J. **N Engl J Med** 1987 Aug 13;317(7):444–7

MANPOWER

Doctors and nurses in neonatal intensive care: towards integration [editorial] Chiswick ML, et al. **Arch Dis Child** 1987 Jul;62(7):653–5

The role of neonatal nurse practitioners: a viewpoint [letter] Hale P, et al. **Arch Dis Child** 1987 Jul;62(7):760–1

METHODS

Developmental intervention for low birth weight infants: improved early development outcome. Resnick MB, et al. **Pediatrics** 1987 Jul;80(1):68–74

STANDARDS

"Doctor, fix this building.' Holzman IR. **Am J Perinatol** 1987 Jan;4(1):12–5

Radiation safety and protection of neonates in radiological examinations. Yoshizumi TT, et al. **Radiol Technol** 1987 May–Jun;58(5):405–8

SUPPLY & DISTRIBUTION

Needs for special-care beds for the newborn in the Witwatersrand area. Cooper PA, et al. **S Afr Med J** 1987 May 16;71(10):645–7

UTILIZATION

Perinatal market penetration rate. A tool to evaluate regional perinatal programs. Powers WF, et al. **Am J Perinatol** 1987 Jan;4(1):24–8

Referral to a regional centre improves outcome in extremely low birthweight infants. Cooke RW. **Arch Dis Child** 1987 Jun;62(6):619–21

Effect of birthplace on infants with low birth weight. Beverley D, et al. **Br Med J [Clin Res]** 1986 Oct 18; 293(6553):981–3

Where should low birthweight babies be born? [editorial] Cooke R. **Br Med J [Clin Res]** 1986 Oct 18;293(6553):974–5

Care of very low birthweight infants with limited neonatal intensive care resources. Murton LJ, et al. **Med J Aust** 1987 Jan 19;146(2):78–81

INTERACTION DEVIATION see EPISTASIS, GENETIC

INTERAGENCY RELATIONS see INTERINSTITUTIONAL RELATIONS

INTERCALATED NEURON see INTERNEURONS

INTERCALATING AGENTS

Mode of interaction and apparent binding constants of meso-tetraaryl porphyrins bearing between one and four positive charges with DNA. Sari MA, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):643–9

Binuclear platinum (II)-terpyridine complexes. A new class of bifunctional DNA-intercalating agent. McFadyen WD, et al. **Biochem J** 1986 Sep 15;238(3):757–63

Inhibition of the thermally driven B to Z transition by intercalating drugs [published erratum appears in Biochemistry 1987 Mar 24;26(6):1794] Chaires JB. **Biochemistry** 1986 Dec 30;25(26):8436–9

Interaction between enzyme-generated triplet carbonyls and molecules intercalated into DNA. Guillo LA, et al. **Biochim Biophys Acta** 1986 Oct 29;884(1):39–47

The effect of intercalator structure on binding strength and base-pair specificity in DNA interactions. Wilson WD, et al. **Biophys Chem** 1986 Jul;24(2):101–9

Bisintercalation of ditercalinium into a d[CpGpCpG]2 minihelix: structure and dynamics aspects—a 400-MHz 1H-NMR study. Delbarre A, et al. **Biopolymers** 1987 Jul; 26(7):1001–33

1H-NMR studies of a monointercalating drug into a d[CpGpCpG]2 minihelix. Delepierre M, et al. **Biopolymers** 1987 Jul;26(7):981–1000

Site specificity of binding of antitumor antibiotics to DNA. Jones MB, et al. **Biopolymers** 1987 Jan;26(1):121–35

Decay-associated emission spectra and other spectral evidence for the physical intercalation of 7,8-dihydroxy-7,8-dihydrobenzo[a]pyrene into DNA. Becker JF, et al. **Cancer Biochem Biophys** 1986 Dec; 9(1):67–73

A study of interaction of thioflavine T with DNA: evidence for intercalation. Cañete M, et al. **Cell Mol Biol** 1987; 33(2):191–9

A simplified procedure for application of McGhee and Von Hippel's general equation: analysis of the intercalative drug-DNA interaction. Maiti S, et al. **Indian J Biochem Biophys** 1986 Aug;23(4):197–203

Hypoxia-selective radiosensitization of mammalian cells by nitracrine, an electron-affinic DNA intercalator. Roberts PB, et al. **Int J Radiat Biol** 1987 Apr;51(4):641–54

Molecular basis for anticancer drug amplification: interaction of phleomycin amplifiers with DNA. Strekowski L, et al. **J Med Chem** 1986 Jul;29(7):1311–5

A tentative model of the intercalative binding of the neocarzinostatin chromophore to double-stranded tetranucleotides. Chen KX, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2175–89

A theoretical study of anthracene and phenanthrene derivatives acting as A–T specific intercalators. Chen KX, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):9103–15

DNA sequence preferences for an intercalating porphyrin compound revealed by footprinting. Ford K, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2221–34

Footprinting at low temperatures: evidence that ethidium and other simple intercalators can discriminate between different nucleotide sequences. Fox KR, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):491–507

Oligo-[alpha]-deoxynucleotides covalently linked to an intercalating agent. Double helices with parallel strands are formed with complementary oligo-[beta]-deoxynucleotides. Sun JS, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6149–58

Geometry of the antitumor drug ditercalinium bisintercalated into d(CpGpCpG)2 by 1H NMR. Delbarre A, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2155–9

Evidence for the intercalation of thalidomide into DNA: clue to the molecular mechanism of thalidomide teratogenicity? Koch HP, et al. **Z Naturforsch [C]** 1986 Nov–Dec; 41(11–12):1057–61

CHEMICAL SYNTHESIS

Functional analogues of bleomycin: DNA cleavage by bleomycin and hemin-intercalators. Hashimoto Y, et al. **Biochemistry** 1986 Sep 9;25(18):5103–10

METABOLISM

Molecular modelling of the interactions of tetra-(4-N-methylpyridyl) porphin with TA and CG sites on DNA. Ford KG, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6553–62

Alpha-DNA. IV: Alpha-anomeric and beta-anomeric tetrathymidylates covalently linked to intercalating oxazolopyridocarbazole. Synthesis, physicochemical properties and poly (rA) binding. Gautier C, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6625–41

Single base bulges in small RNA hairpins enhance ethidium binding and promote an allosteric transition. White SA, et al. **Nucleic Acids Res** 1987 May 26;15(10):4049–64

Binding of ethidium bromide causes dissociation of the nucleosome core particle. McMurray CT, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8472–6

Oligo(alpha-deoxynucleotide)s covalently linked to intercalating agents: differential binding to ribo- and deoxyribopolynucleotides and stability towards nuclease digestion. Thuong NT, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5129–33

PHARMACODYNAMICS

DNA binding studies on 1OH-pyrrolizino[1,2-b]quinolines. Hall G, et al. **Arzneimittelforschung** 1987 May;37(5):582–4

Relationship between cytostatic activity of oxazolopyridocarbazoles and accessibility of DNA intercalation sites in living bacteria. Banoun H, et al. **Biochemistry** 1986 Nov 4;25(22):6884–9

Effect of drug-DNA interactions upon transcription initiation at the lac promoter. Straney DC, et al. **Biochemistry** 1987 Apr 7;26(7):1987–95

Kinetic flow dichroism study of conformational changes in supercoiled DNA induced by ethidium bromide and noncovalent and covalent binding of benz[a]pyrene diol epoxide. Yoshida H, et al. **Biochemistry** 1987 Mar 10; 26(5):1351–8

In vitro toxicity and DNA cleaving capacity of benzisoquinolinedione (nafidimide; NSC 308847) in human leukemia. Andersson BS, et al. **Cancer Res** 1987 Feb 15; 47(4):1040–4

Effects of the bifunctional antitumor intercalator ditercalinium on DNA in mouse leukemia L1210 cells and DNA topoisomerase II. Markovits J, et al. **Cancer Res** 1986 Nov;46(11):5821–6

Effect of cell proliferation and chromatin conformation on intercalator-induced, protein-associated DNA cleavage in human brain tumor cells and human fibroblasts. Zwelling LA, et al. **Cancer Res** 1987 Jan 1;47(1):251–7

A study of drug binding to DNA by partial intercalation using a model phenazine derivative. Kleinwächter V, et al. **Gen Physiol Biophys** 1986 Aug;5(4):423–32

Amplification of bleomycin-mediated degradation of DNA. Strekowski L, et al. **J Med Chem** 1987 Aug;30(8):1415–20

Enzymatic amplification of translation inhibition of rabbit beta-globin mRNA mediated by anti-messenger oligodeoxynucleotides covalently linked to intercalating agents. Cazenave C, et al. **Nucleic Acids Res** 1987 Jun 25; 15(12):4717–36

DNA unwinding and inhibition of mouse leukemia L1210 DNA topoisomerase I by intercalators. Pommier Y, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6713–31

DNA topoisomerase II: a primer on the enzyme and its unique role as a multidrug target in cancer chemotherapy. Glisson BS, et al. **Pharmacol Ther** 1987;32(2):89–106 (102 ref.)

Is DNA topoisomerase involved in the UV excision repair process? New evidence from studies with DNA intercalating and non-intercalating antitumor agents. Snyder RD. **Photochem Photobiol** 1987 Jan;45(1):105–11

THERAPEUTIC USE

Potential antitumor agents. 50. In vivo solid-tumor activity of derivatives of N-[2-(dimethylamino)ethyl]acridine-4-carboxamide. Atwell GJ, et al. **J Med Chem** 1987 Apr;30(4):664–9

TOXICITY

Dose-dependent skin ulcers in mice treated with DNA binding antitumor antibiotics. Soble MJ, et al. **Cancer Chemother Pharmacol** 1987;20(1):33–6

INTERCELLULAR JUNCTIONS

Junctional complexes of epithelial cells. **Ciba Found Symp** 1987;125:1–273

Downregulation of cell-to-cell communication by the viral src gene is blocked by TMB-8 and recovery of communication is blocked by vanadate. Rose B, et al. **J Membr Biol** 1986;94(2):129–42

ANALYSIS

The cardiac gap junction protein (Mr 47,000) has a tissue-specific cytoplasmic domain of Mr 17,000 at its carboxy-terminus. Manjunath CK, et al. **Biochem Biophys Res Commun** 1987 Jan 15;142(1):228–34

Formation of heterotypic adherens-type junctions between L-CAM-containing liver cells and A-CAM-containing lens cells. Volk T, et al. **Cell** 1987 Sep 11;50(6):987–94

Immunological evidence for gap junction polypeptide in plant cells. Meiners S, et al. **J Biol Chem** 1987 Jan 25; 262(3):951–3

Talin at myotendinous junctions. Tidball JG, et al. **J Cell Biol** 1986 Oct;103(4):1465–72

A-CAM: a 135-kD receptor of intercellular adherens junctions. I. Immunoelectron microscopic localization and biochemical studies. Volk T, et al. **J Cell Biol** 1986 Oct; 103(4):1441–50

Simultaneous light and electron microscopic observation of immunolabeled liver 27 KD gap junction protein on ultra-thin cryosections. Dermietzel R, et al. **J Histochem Cytochem** 1987 Mar;35(3):387–92

Human cardiac gap junctions: isolation, ultrastructure, and protein composition. Manjunath CK, et al. **J Mol Cell Cardiol** 1987 Feb;19(2):131–4

CLASSIFICATION

Cell junctions during the early development of the sea urchin embryo (Paracentrotus lividus). Andreuccetti P, et al. **Cell Differ** 1987 Mar;20(2–3):137–46

DRUG EFFECTS

Peptides increase anion conductance of canine trachea: an effect on tight junctions. Rangachari PK, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):305–8

Occlusion of hippocampal electrical junctions by intracellular calcium injection. Rao G, et al. **Brain Res** 1987 Apr 7; 408(1–2):267–70

Failure of the tumor promoter 12-O-tetradecanoylphorbol-13-acetate (TPA) to inhibit cell-cell coupling in newborn mouse epidermal cells and Chinese hamster V79 cells under non-standard culture conditions. Miller DR, et al. **Carcinogenesis** 1987 Jun; 8(6):847–50

Effect of in vivo exposure to the liver tumor promoters phenobarbital or DDT on the gap junctions of rat hepatocytes: a quantitative freeze-fracture analysis. Sugie S, et al. **Carcinogenesis** 1987 Jan;8(1):45–51

Mechanism of inhibition of junctional communication between animal cells by phorbol ester. Pitts JD, et al. **Cell Tissue Kinet** 1987 Mar;20(2):145–51

Glycosaminoglycans and proteoglycans induce gap junction expression and restore transcription of tissue-specific mRNAs in primary liver cultures. Fujita M, et al. **Hepatology** 1987 Jan–Feb;7(1 Suppl):1S–9S

Proteoglycans and glycosaminoglycans induce gap junction synthesis and function in primary liver cultures. Spray DC, et al. **J Cell Biol** 1987 Jul;105(1):541–51

Morphological changes of intercellular junctions in the rat submandibular gland treated by long-term repeated administration of isoproterenol. Inoue T, et al. **J Dent Res** 1987 Aug;66(8):1303–9

Effects of fatty acids on gap junctional communication: possible role in tumor promotion by dietary fat. Aylsworth CF, et al. **Lipids** 1987 Jun;22(6):445–54 (120 ref.)

Effects of lipids on gap junctionally-mediated intercellular communication: possible role in the promotion of tumorigenesis by dietary fat. Aylsworth CF. **Prog Clin Biol Res** 1986;222:607–22 (50 ref.)

[Action of the chorionic gonadotropin hormone on the gap junctions network in the antral follicles of rat] Raick D, et al. **C R Soc Biol (Paris)** 1987;181(1):40–5 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Some murine thymic lymphocytes can form gap junctions. Carolan EJ, et al. **Immunol Lett** 1986 Oct 15;13(5):255–60

METABOLISM

Prejunctional inhibition of vasoactive intestinal peptide

release. Grider JR, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):G7–12

A microdialysis method allowing characterization of intercellular water space in humans. Lönnroth P, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):E228–31

Pathways across the vertebrate blood–brain barrier: morphological viewpoints. Bundgaard M. **Ann NY Acad Sci** 1986;481:7–19

Gap junction modulation in rat uterus. III. Structure–activity relationships of estrogen receptor–binding ligands on myometrial and serosal cells. Burghardt RC, et al. **Biol Reprod** 1987 Apr;36(3):741–51

The transport of reactive intermediates in a co–cultivation system: the role of intercellular communication. Jongen WM, et al. **Carcinogenesis** 1987 Sep;8(9):1239–43

Cyclic adenosine monophosphate stimulates biosynthesis and phosphorylation of the 26 kDa gap junction protein in cultured mouse hepatocytes. Traub O, et al. **Eur J Cell Biol** 1987 Feb;43(1):48–54

Phosphorylation of liver gap junction protein by protein kinase C. Takeda A, et al. **FEBS Lett** 1987 Jan 5; 210(2):169–72

Characterization of a rat liver epithelial cell line to detect inhibitors of metabolic cooperation. Jone C, et al. **In Vitro Cell Dev Biol** 1987 Mar;23(3):214–20

Permeance of Novikoff hepatoma gap junctions: quantitative video analysis of dye transfer. Biegon RP, et al. **J Membr Biol** 1987;96(3):225–33

Influence of cyclic nucleotides on junctional permeability in atrial muscle. De Mello WC, et al. **J Mol Cell Cardiol** 1987 Jan;19(1):83–94

Analysis of absorptive cell occluding junction structure–function relationships in a state of enhanced junctional permeability. Marcial MA, et al. **Lab Invest** 1987 Apr;56(4):424–34

Interaction of calmodulin and other calcium–modulated proteins with gap junctions. Hertzberg EL, et al. **Methods Enzymol** 1987;139:445–54

Expression of functional cell–cell channels from cloned rat liver gap junction complementary DNA. Dahl G, et al. **Science** 1987 Jun 5;236(4806):1290–3

PHYSIOLOGY

Electrical and mechanical uterine activity and gap junctions in estrogen–treated oophorectomized sheep. Verhoeff A, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1192–6

Structural effects of exposure of smooth muscle in sucrose gap apparatus. Daniel EE, et al. **Am J Physiol** 1987 Jan; 252(1 Pt 1):C77–87

Effects of tumor promoters on LLC–PK1 renal epithelial tight junctions and transepithelial fluxes. Mullin JM, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):C597–602

Gap junctions and synchronization of polarization process during epithelial reorganization. Rabito CA, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):C329–36

Evidence for ionic coupling between MDCK cells at non–confluent and confluent stages of culture. Giaume C, et al. **Biol Cell** 1986;57(1):33–8

The gap junction channel. Its aqueous nature as indicated by deuterium oxide effects. Verselis V, et al. **Biophys J** 1986 Nov;50(5):1003–7

Turing structures in an enzyme–induction system with gap junction–mediated non–linear diffusion. Sporns O, et al. **Biosystems** 1986;19(3):237–45

Variation of gap junction sensitivity to H ions with time of day. Moreno AP, et al. **Brain Res** 1987 Jan 1;400(1):181–4

Quantitative analysis of tight junctions and the uptake of 99mTc in human gliomas. Nir I, et al. **Cancer Invest** 1986; 4(6):519–24

The cell–to–cell channel of gap junctions. Loewenstein WR. **Cell** 1987 Mar 13;48(5):725–6

Macromolecules can pass through occluding junctions of rat ileal epithelium during cholinergic stimulation. Phillips TE, et al. **Cell Tissue Res** 1987 Mar;247(3):547–54

The role of uvomorulin in the formation of epithelial occluding junctions. Gumbiner B, et al. **Ciba Found Symp** 1987;125:168–86 (31 ref.)

Patterns of junctional communication in animal tissues. Pitts J, et al. **Ciba Found Symp** 1987;125:140–53

Sequence diversity of gap junction proteins. Revel JP, et al. **Ciba Found Symp** 1987;125:108–27 (49 ref.)

Gap junction structure and the control of cell–to–cell communication. Unwin PN. **Ciba Found Symp** 1987; 125:78–91

The use of antibodies to gap junction protein to explore the role of gap junctional communication during development. Warner AE. **Ciba Found Symp** 1987;125:154–67

Cell junctions and the biological behaviour of cancer. Weinstein RS, et al. **Ciba Found Symp** 1987;125:240–60

Characteristics of junctional regions between Purkinje and ventricular muscle cells of canine ventricular subendocardium. Rawling DA, et al. **Circ Res** 1987 Apr; 60(4):580–5

Opening of single gap junction channels during formation of electrical coupling between embryonic muscle cells. Chow I, et al. **Dev Biol** 1987 Aug;122(2):332–7

In vitro studies on the control of human myometrial gap junctions. Garfield RE, et al. **Int J Gynaecol Obstet** 1987 Jun;25(3):241–8

Functional gap junctions are not required for muscle gene activation by induction in Xenopus embryos. Warner A, et al. **J Cell Biol** 1987 Mar;104(3):557–64

Distribution of excitatory junction potential amplitude in cat cerebral arteries: examination of its quantal nature and modulation by opiates. Madden JA, et al. **J Cell Physiol** 1987 May;131(2):262–6

Physiological modulation of gap junction permeability. Neyton J, et al. **J Exp Biol** 1986 Sep;124:993–114

Resistance to the cytolytic action of lymphotoxin and tumor necrosis factor coincides with the presence of gap junctions uniting target cells. Fletcher WH, et al. **J Immunol** 1987 Aug 1;139(3):956–62

Patterns of junctional communication in skin. Kam E, et al. **J Invest Dermatol** 1986 Dec;87(6):748–53

Lowering of pH does not directly affect the junctional resistance of crayfish lateral axons. Arellano RO, et al. **J Membr Biol** 1986;94(3):293–9

Protamine alters structure and conductance of Necturus gallbladder tight junctions without major electrical effects on the apical cell membrane. Bentzel CJ, et al. **J Membr Biol** 1987;95(1):9–20

Dopaminergic mechanisms underlying the reduction of electrical coupling between horizontal cells of the turtle retina induced by d–amphetamine, bicuculline, and veratridine. Piccolino M, et al. **J Neurosci** 1987 Aug; 7(8):2273–84

Acetylcholine modulation of the conductance of intercellular junctions between rat lacrimal cells. Neyton J, et al. **J Physiol (Lond)** 1986 Aug;377:283–95

Dependence of junctional conductance on proton, calcium and magnesium ions in cardiac paired cells of guinea–pig. Noma A, et al. **J Physiol (Lond)** 1987 Jan;382:193–211

Polyomavirus middle T antigen downregulates junctional cell–to–cell communication. Azarnia R, et al. **Mol Cell Biol** 1987 Feb;7(2):946–50

The Drosophila clock gene per affects intercellular junctional communication. Bargiello TA, et al. **Nature** 1987 Aug 20–26;328(6132):686–91

Activation of a calcium–dependent photoprotein by chemical signalling through gap junctions. Dunlap K, et al. **Nature** 1987 Jan 1–7;325(6099):60–2

Dye and electrotonic coupling between cultured hippocampal neurons. O'Beirne M, et al. **Neurosci Lett** 1987 Aug 5;78(3):265–70

Gap junction formation in the human uterine muscle cell of the corpus and cervix during the menstrual cycle and pregnancy. Saito Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan;39(1):135–40

Gap junctional coupling modulates secretion of exocrine pancreas. Meda P, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4901–4

Gap junction channel modulation—a physiological viewpoint. Ramón F, et al. **Prog Biophys Mol Biol** 1986; 48(3):127–53 (175 ref.)

Gap junctions and development. Allen F. **Sci Prog** 1987; 71(282 Pt 2):275–92

Selective disruption of gap junctional communication interferes with a patterning process in hydra. Fraser SE, et al. **Science** 1987 Jul 3;237(4810):49–55

Restoration of LDL receptor activity in mutant cells by intercellular junctional communication. Hobbie L, et al. **Science** 1987 Jan 2;235(4784):69–73

Carbon tetrachloride at hepatotoxic levels blocks reversibly gap junctions between rat hepatocytes. Sáez JC, et al. **Science** 1987 May 22;236(4804):967–9

Gap junctional conductance and permeability are linearly related. Verselis V, et al. **Science** 1986 Oct 24; 234(4775):461–4

[Contacts between dendrites in motor neurons of the cat diaphragm] Keder–Stepanova IA, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):519–21 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

A structural analysis of gap and tight junctions in the rat liver during a dietary treatment that induces oval cell proliferation. Spelman LH, et al. **Am J Pathol** 1986 Nov; 125(2):379–92

Intestinal absorptive cell tight junctions are linked to cytoskeleton. Madara JL. **Am J Physiol** 1987 Jul;253(1 Pt 1):C171–5

Reassembly of the occluding junctions in a renal cell line with characteristics of proximal tubular cells. Rabito CA. **Am J Physiol** 1986 Dec;251(6 Pt 2):F978–87

The human muscle–tendon junction. A morphological study during normal growth and at maturity. Ovalle WK. **Anat Embryol (Berl)** 1987;176(3):281–94

Intercellular gaps in the early development of chick mural endocardium. A TEM study. Schünemann K. **Anat Embryol (Berl)** 1987;175(3):375–8

Intramembrane aspects of myotendinous and myomuscular junctions: a freeze–fracture study of the gill sac–muscle of the Atlantic hagfish, Myxine glutinosa. Bartels H. **Anat Rec** 1987 Jul;218(3):249–55

A stereological comparison of the muscle–tendon junctions of fast and slow fibers in the chicken. Trotter JA, et al. **Anat Rec** 1987 Jul;218(3):256–66

Stereological analysis of the muscle–tendon junction in the aging mouse. Trotter JA, et al. **Anat Rec** 1987 Jul; 218(3):288–93

Trophoblast–decidual cell interactions and establishment of maternal blood circulation in the parietal yolk sac placenta of the rat. Welsh AO, et al. **Anat Rec** 1987 Feb; 217(2):203–19

The blood–brain interface in invertebrates. Abbott NJ, et al. **Ann NY Acad Sci** 1986;481:20–42

Tight–junctional modification as the basis of osmotic opening of the blood–brain barrier. Rapoport SI, et al. **Ann NY Acad Sci** 1986;481:250–67

Cellular junctions on the free surface of human placental syncytium. Wang T, et al. **Arch Gynecol** 1987;240(4):211–6

Membrane contacts and lens transparency. Kistler J, et al. **Bioessays** 1986 Aug;5(2):79–83

Immunolocalization of plakoglobin in endothelial junctions: identification as a special type of Zonulae adhaerentes. Franke WW, et al. **Biol Cell** 1987;59(3):205–18

Electrical coupling and gap junctions between neurosecretory cells in an insect. Orchard I, et al. **Brain Res** 1986 Nov 12;397(2):359–64

A co–cultivation system consisting of primary chick embryo hepatocytes and V79 Chinese hamster cells as a model for metabolic cooperation studies. Jongen WM, et al. **Carcinogenesis** 1987 Jun;8(6):767–72

Plakoglobin: a protein common to different kinds of intercellular adhering junctions. Cowin P, et al. **Cell** 1986 Sep 26;46(7):1063–73

Functional assembly of gap junction conductance in lipid bilayers: demonstration that the major 27 kd protein forms the junctional channel. Young JD, et al. **Cell** 1987 Mar 13;48(5):733–43

Intercellular cross–linkages between the stereociliary bundles of adjacent hair cells in the guinea pig cochlea. Hackney CM, et al. **Cell Tissue Res** 1986;245(3):685–8

Rapid formation of myometrial gap junctions during parturition in the unilaterally implanted rat uterus. Ikeda M, et al. **Cell Tissue Res** 1987 May;248(2):297–303

Relationship between orthogonal arrays of particles and tight junctions as demonstrated in cells of the ventricular wall of the rat brain. Mack A, et al. **Cell Tissue Res** 1987 Jun; 248(3):619–25

Maturation of tight junctions in guinea–pig cecal epithelium. Mora–Galindo J. **Cell Tissue Res** 1986;246(1):169–75

Morphology, composition, and function of struts between cardiac myocytes of rat and hamster. Robinson TF, et al. **Cell Tissue Res** 1987 Aug;249(2):247–55

Fate of annular gap junctions in the papillary cells of the enamel organ in the rat incisor. Sasaki T, et al. **Cell Tissue Res** 1986;246(3):523–30

Electron–microscopic studies on the presence of gap junctions between corneal fibroblasts in rabbits. Ueda A, et al. **Cell Tissue Res** 1987 Aug;249(2):473–5

The effect of oxygen intoxication on the morphology of intercellular junctions of pulmonary endothelium and alveolar epithelium. A freeze–fracture study. Wang ZG. **Chin Med J [Engl]** 1987 Mar;100(3):177–84

Molecular structure of the gap junctional channel. Finbow ME, et al. **Ciba Found Symp** 1987;125:92–107

Topology of gap junction protein and channel function. Gilula NB. **Ciba Found Symp** 1987;125:128–39

Filipin and digitonin studies of cell membrane changes during junction breakdown in the dystrophic rat retinal pigment epithelium. Caldwell RB. **Curr Eye Res** 1987 Mar; 6(3):515–26

Differential modulation of rat follicle cell gap junction populations at ovulation. Larsen WJ, et al. **Dev Biol** 1987 Jul;122(1):61–71

Scrape–loading and dye transfer. A rapid and simple technique to study gap junctional intercellular communication. el–Fouly MH, et al. **Exp Cell Res** 1987 Feb;168(2):422–30

Tight junction alterations of respiratory epithelium following long–term NO2 exposure and recovery. Gordon RE, et al. **Exp Lung Res** 1986;11(3):179–93

Junctions between astrocytes in the circumventricular organs of the rat brain. Srebro Z. **Folia Biol (Krakow)** 1986; 34(2):207–9

Intercellular junctions and tumor stage in small cell carcinoma of the lung. Vollmer RT, et al. **Hum Pathol** 1987 Jan;18(1):22–7

Ultrastructural and biological observations on neoplastic growth control obtained by contact inhibition. Conforti A, et al. **Int J Tissue React** 1986;8(3):213–7

Membrane interlocking domains in the lens. Kistler J, et al. **Invest Ophthalmol Vis Sci** 1986 Oct;27(10):1527–34

Intercellular junctions between fibroblasts in connective tissues of the eye of macaque monkeys. A thin section and freeze fracture analysis. Raviola G, et al. **Invest Ophthalmol Vis Sci** 1987 May;28(5):834–41

Topological analysis of the major protein in isolated intact rat liver gap junctions and gap junction–derived single membrane structures. Zimmer DB, et al. **J Biol Chem** 1987 Jun 5;262(16):7751–63

The relationship between intermediate filaments and microfilaments before and during the formation of desmosomes and adherens–type junctions in mouse epidermal keratinocytes. Green KJ, et al. **J Cell Biol** 1987 May;104(5):1389–402

Immunolocalization of MP70 in lens fiber 16–17–nm intercellular junctions. Gruijters WT, et al. **J Cell Biol** 1987 Mar;104(3):565–72

Modulation of fodrin (membrane skeleton) stability by cell–cell contact in Madin–Darby canine kidney epithelial cells. Nelson WJ, et al. **J Cell Biol** 1987 Jun;104(6):1527–37

Formation of the apical pole of epithelial (Madin–Darby canine kidney) cells: polarity of an apical protein is independent of tight junctions while segregation of a

basolateral marker requires cell–cell interactions. Vega–Salas DE, et al. **J Cell Biol** 1987 Apr;104(4):905–16

A–CAM: a 135–kD receptor of intercellular adherens junctions. II. Antibody–mediated modulation of junction formation. Volk T, et al. **J Cell Biol** 1986 Oct; 103(4):1451–64

Tight and gap junctions in the intestinal tract of tunicates (Urochordata): a freeze–fracture study. Lane NJ, et al. **J Cell Sci** 1986 Aug;84:1–17

Epithelial membrane polarity: a stable, differentiated feature of an established human breast carcinoma cell line MCF–7. van Deurs B, et al. **J Histochem Cytochem** 1987 Apr; 35(4):461–9

Osmotic reversal induces assembly of tight junction strands at the basal pole of toad bladder epithelial cells but does not reverse cell polarity. Chevalier J, et al. **J Membr Biol** 1987;95(3):199–208

Quantitative gap junction alterations in mammalian heart cells quickly frozen or chemically fixed after electrical uncoupling. Délèze J, et al. **J Membr Biol** 1986;93(1):11–21

Structural changes at cardiac cell junctions during ischaemia. Bullock GR. **J Mol Cell Cardiol** 1986 Oct;18 Suppl 4:1–5

Tight junctions of jejunal surface and crypt cells in celiac disease: a freeze–fracture study. Kohl D, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan–Feb;6(1):57–65

Morphometric analysis of the intercellular space and desmosomes of rat junctional epithelium. Hashimoto S, et al. **J Periodont Res** 1986 Sep;21(5):510–20

Ultrastructural study of the adjoining areas between the endothelial cells of the rabbit heart lymph vessels. Marchetti C, et al. **J Submicrosc Cytol** 1987 Jul;19(3):465–9

Prenatal exposure to ethanol alters lateral plasma membranes and gap junctions of newborn rat hepatocytes as revealed by freeze–fracture. Renau–Piqueras J, et al. **J Submicrosc Cytol** 1987 Jul;19(3):397–404

The postnatal development of the junctional complexes of hamster Sertoli cells as revealed by HRP and freeze–fracture. Vignon X, et al. **J Submicrosc Cytol** 1987 Apr;19(2):303–9

Effects of ethanol and prostaglandin on rat gastric mucosal tight junctions. Schmidt KL, et al. **J Surg Res** 1987 Sep; 43(3):253–63

Permeability properties of cell membranes and tight junctions of normal and cystic fibrosis sweat ducts. Bijman J, et al. **Pflugers Arch** 1987 May;408(5):505–10

Gap junction assembly in the preimplantation mouse conceptus is independent of microtubules, microfilaments, cell flattening, and cytokinesis. Kidder GM, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3718–22

Relative roles of gap junction channels and cytoplasm in cell–to–cell diffusion of fluorescent tracers. Safranyos RG, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2272–6

Ultrastructural studies of intercellular contacts (junctions) in bone marrow. A review. Campbell FR. **Scan Electron Microsc** 1986;(Pt 2):621–9 (55 ref.)

Focal cell contacts detected by ruthenium red, triton X100 and saponin in the granulosa cells of mouse ovary. Familiari G, et al. **Tissue Cell** 1987;19(2):207–15

Fine structure of myomyous junctions in the mouse skeletal muscles. Torigoe K, et al. **Tissue Cell** 1987;19(2):243–50

Gap junctions and zonulae occludentes of hepatocytes during biliary atresia in the lamprey. Youson JH, et al. **Tissue Cell** 1987;19(4):531–48

Structure of quick–frozen tight junctions in uterine epithelium of pseudopregnant rabbits. Winterhager E, et al. **Z Mikrosk Anat Forsch** 1987;101(1):179–85

[Automated morphometry of corneal endothelial cells. Part 2: Use of the video camera and video tape recorder] Nishi O. **Nippon Ganka Gakkai Zasshi** 1987 Jan;91(1):87–93 (Eng. Abstr.) **(Jpn)**

INTERCELLULAR SPACE see **EXTRACELLULAR SPACE**

INTERCOSTAL MUSCLES

BLOOD SUPPLY

[You make the diagnosis. Diagnosis: arteriovenous fistula of the intercostal vessels] Schlemmer M, et al. **Padiatr Padol** 1986;21(3):289–92 **(Ger)**

INNERVATION

Voluntary hyperventilation changes recruitment order of parasternal intercostal motor units. Watson TW, et al. **J Appl Physiol** 1987 Jan;62(1):187–93

Accuracy of reinnervation of rat internal intercostal muscles by their own segmental nerves. Hardman VJ, et al. **J Neurosci** 1987 Apr;7(4):1031–6

Effects of carotid chemoreceptor stimulating and depressing agents on internal intercostal muscle activity in the rabbit. Matsumoto S. **Jpn J Physiol** 1986;36(5):1001–13

PHYSIOLOGY

Activity of lower intercostal and abdominal muscle after upper abdominal surgery. Duggan J, et al. **Anesth Analg** 1987 Sep;66(9):852–5

Intercostal muscles and purring in the cat: the influence of afferent inputs. Kirkwood PA, et al. **Brain Res** 1987 Mar 3;405(1):187–91

Medullary inspiratory activity: influence of intercostal tendon organs and muscle spindle endings. Bolser DC, et al. **J Appl Physiol** 1987 Mar;62(3):1046–56

Medullary expiratory activity: influence of intercostal tendon organs and muscle spindle endings. Shannon R, et al. **J Appl Physiol** 1987 Mar;62(3):1057–62

The ventral rib cage muscles in the dog: contractile properties and operating lengths. Farkas GA, et al. **Respir Physiol** 1987 Jun;68(3):301–9

[Activity of the diaphragm and intercostal muscles during the second stage of deglutition] Maeyama T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1987 May;90(5):680–6 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Control of abdominal and expiratory intercostal muscle activity during vomiting: role of ventral respiratory group expiratory neurons. Miller AD, et al. **J Neurophysiol** 1987 Jun;57(6):1854–66

Effects of transient hypoxia on internal intercostal muscle activity in vagotomized rabbits. Matsumoto S. **Jpn J Physiol** 1987;37(2):197–206

TRANSPLANTATION

Tubular musculopleural pedicle grafting of esophageal long gaps in dogs. Moutsouris C, et al. **J Pediatr Surg** 1987 Feb; 22(2):117–9

INTERCOSTAL NERVES see under **THORACIC NERVES**

INTERDIGITATING CELLS see **DENDRITIC CELLS**

INTERDISCIPLINARY HEALTH TEAM see **PATIENT CARE TEAM**

INTERFEROMETRY

Interferometric technique for investigation of laser thermal retinal damage. Krauss JM, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1290–7

Three dimensional analysis of the face in respect of zygomatic fractures and evaluation of the surgery with the aid of Moiré topography. Kawano Y. **J Craniomaxillofac Surg** 1987 Apr;15(2):68–74

Anthropometrical data of Japanese female students obtained in parallel with moiré topography. Ashizawa K, et al. **J Hum Ergol (Tokyo)** 1986 Dec;15(2):167–9

[Use of structured lights in the evaluation of thoracic deformity bound with cardiac activity. Study of apical impulse using Moiré technics] Brandt CM, et al. **Arch Mal Coeur** 1986 Sep;79(10):1535–8 (Eng. Abstr.) **(Fre)**

METHODS

Holographic interferometry: a critique of the technique and its potential for biomedical measurements. Ovryn B, et al. **Ann Biomed Eng** 1987;15(1):67–78

Evaluation of double–exposure holographic interferometry for biomechanical measurements in vitro. Manley MT, et al. **J Orthop Res** 1987;5(1):144–9

[Paradoxical results of the retinometry using helium–neon laser interferometry] Schraub M, et al. **Bull Soc Ophtalmol Fr** 1986 May;86(5):725–9 (Eng. Abstr.) **(Fre)**

INTERFERON, ALPHA see **INTERFERON TYPE I**

INTERFERON, BETA see **INTERFERON TYPE I**

INTERFERON, FIBROBLAST see **INTERFERON TYPE I**

INTERFERON, GAMMA see **INTERFERON TYPE II**

INTERFERON, IMMUNE see **INTERFERON TYPE II**

INTERFERON INDUCERS

Interleukin 1 as a cytokine inducer. Billiau A, et al. **Immunobiology** 1986 Sep;172(3–5):323–35

Local interferon induction by bacterial lipopolysaccharide in mice after pretreatment with Corynebacterium parvum. Kirchner H, et al. **J Interferon Res** 1986 Oct;6(5):483–7

Induction of interferon production by natural killer cells by organogermanium compound, Ge132. Munakata T, et al. **J Interferon Res** 1987 Feb;7(1):69–76

Preparation and assay of poly ICL–CM dextran, an interferon inducer of reduced toxicity. Bello J, et al. **Methods Enzymol** 1986;119:103–6

Purification of natural human immune interferon induced by A–23187 and mezerein. Braude IA. **Methods Enzymol** 1986; 119:193–9

Production of human immune interferon with normal human leukocytes by the inducers A–23187 and mezerein. Braude IA, et al. **Methods Enzymol** 1986;119:72–6

Production and partial purification of human immune interferon induced with concanavalin A, staphylococcal enterotoxin A, and OK–432. De Ley M, et al. **Methods Enzymol** 1986;119:88–92

Induction of human immune interferon with ionophores. Dianzani F, et al. **Methods Enzymol** 1986;119:69–72

Induction of high titer chicken interferon. Sekellick MJ, et al. **Methods Enzymol** 1986;119:115–25

Measurement of hyporesponsiveness to interferon and interferon induction with prostaglandins. Stringfellow DA. **Methods Enzymol** 1986;119:707–12

Induction of human immune interferon from peripheral blood mononuclear cells induced with combinations of T cell mitogens. Tsujimoto M, et al. **Methods Enzymol** 1986; 119:93–5

Induction of human interferon gamma with phorbol esters and phytohemagglutinin. Vilček J, et al. **Methods Enzymol** 1986;119:48–54

[Antitumor effect of PSK (1). Interferon–inducing activity and intratumoral administration] Ebina T, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1841–6 (Eng. Abstr.) **(Jpn)**

[Proteins induced by the double–stranded interferon inducer poly(I).poly(C)] Sokolova TM, et al. **Mol Gen Mikrobiol Virusol** 1987 Jan;(1):32–6 (Eng. Abstr.) **(Rus)**

[Vasodilators as interferon inducers] Grigorian SS, et al. **Vopr Virusol** 1987 Mar–Apr;32(2):204–8 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Ranking of prophylactic efficacy of poly(ICLC) against Rift Valley fever virus infection in mice by incremental relative risk of death. Kende M, et al. **Antimicrob Agents Chemother** 1987 Aug;31(8):1194–8

Synergistic antitumor activity of cyclophosphamide and ABPP in the treatment of established and advanced tumors in murine tumor models. Eggermont AM, et al. **Cancer Immunol Immunother** 1987;25(1):16–24

ANTAGONISTS & INHIBITORS

Inhibition of interferon–alpha/beta induction by crystalline cadmium sulfide. Sonnenfeld G, et al. **Environ Res** 1987 Feb;42(1):196–200

METABOLISM

N,N–diethylaminoalkoxy–4,7–phenanthrolines and 1,8–diazaflourene derivatives, a novel class of potential interferon inducers and antiviral agents: interactions with nucleic acids in vitro and cellular activities. Fikus M, et al. **Chem Biol Interact** 1987;62(1):25–43

PHARMACODYNAMICS

Interferon–inducing activity of flavonoids. Wleklik M, et al. **Acta Microbiol Pol** 1987;36(1–2):151–4

Cyclic AMP metabolism and interferon induction in mice after treatment with 10–carboxymethyl–9–acridanone. Römer W, et al. **Acta Virol (Praha)** 1986 Sep;30(5):411–7

Choline and halogen derivatives of CMA (9–oxo–10–acridine acetic acids) as tools for monitoring the interaction of the interferon inducers via a specific receptor. Szulc B, et al. **Antiviral Res** 1987 Feb;7(2):109–17

Suppression of glucose transport of Ehrlich ascites tumour cell by interferon inducers. Fung KP, et al. **Chemotherapy** 1986;32(5):458–63

Opposing effects of the interferon inducer, avridine: enhancement or suppression of tumor growth depending on treatment regimen. Talcott PA, et al. **Int J Immunopharmacol** 1986;8(6):553–9

Antiproliferative effect of mismatched double–stranded RNA on fresh human tumor cells analyzed in a clonogenic assay. Strayer DR, et al. **J Interferon Res** 1986 Aug;6(4):373–9

Interferon induction: dose–response curves. Marcus PI. **Methods Enzymol** 1986;119:106–14

2',5'–Oligoadenylate synthetase and interferon in peripheral blood after rubella, measles, or mumps live virus vaccine. Tilles JG, et al. **Proc Soc Exp Biol Med** 1987 Oct; 186(1):70–4

[Dynamic study of the interferon–stimulating effect of a polysaccharide of Acanthopanax senticosus on leukemic cell culture] Yang JC, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr;6(4):231–3, 197 (Eng. Abstr.) **(Chi)**

[Comparative study of interferon inducers obtained from natural sources] Timofeev IV, et al. **Antibiot Med Biotekhnol** 1987 Feb;32(2):144–7 (Eng. Abstr.) **(Rus)**

[Effect of the synthetic preparation B 58 on the activity of natural killer and cytostatic cells of the mouse spleen] Malaĭtsev VV, et al. **Biull Eksp Biol Med** 1987 Jun; 103(6):697–9 (Eng. Abstr.) **(Rus)**

[A new interferon inducer active via peroral administration] Ershov FI, et al. **Vopr Virusol** 1986 May–Jun;31(3):335–8 (Eng. Abstr.) **(Rus)**

[Interferon induction via peroral administration of high–molecular polynucleotides] Grigorian SS, et al. **Vopr Virusol** 1986 May–Jun;31(3):338–42 (Eng. Abstr.) **(Rus)**

[Interferon–inducing and antiviral activity of maleic anhydride copolymers] Nosik NN, et al. **Vopr Virusol** 1986 Sep–Oct;31(5):605–9 (Eng. Abstr.) **(Rus)**

[Effect of the size of the continuous poly(G) site in poly (G, A).poly (C) complexes on their interferon–inducing activity and their capacity to stimulate the development of immunity] Vil'ner LM. **Vopr Virusol** 1986 Nov–Dec; 31(6):697–700 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Modulation of interferon-gamma induction of Ia expression. Implications for mechanisms of interferon-gamma signal transduction. Sternberg E. **Year Immunol** 1986;2:152-63 (50 ref.)

THERAPEUTIC USE

Prolongation of survival of mice bearing the Eb and ESb lymphoma by treatment with interferon inducers alone or in combination with Corynebacterium parvum. Storch E, et al. **Cancer Immunol Immunother** 1986;23(3):179-84

Evaluation of polyinosinic-polycytidylic and poly-L-lysine in metastatic breast cancer. Theriault RL, et al. **Cancer Treat Rep** 1986 Nov;70(11):1341-2

Role of interferon in the augmented resistance of trehalose-6,6'-dimycolate-treated mice to influenza virus infection. Azuma M, et al. **J Gen Virol** 1987 Mar;68 (Pt 3):835-43

Immunotherapy of metastatic renal cell carcinoma with polyinosinic-polycytidylic acid. Droller MJ. **J Urol** 1987 Feb;137(2):202-6

[Effect of leukocyte interferon and its inducers on the prekallikrein-kallikrein system of the blood serum in children with acute respiratory viral infections] Plakhtii LIa, et al. **Farmakol Toksikol** 1986 Sep-Oct;49(5):107-8 (Eng. Abstr.) (Rus)

[Use of vaccine interferonogens for treating dermato-neurological syndromes of herpetic etiology] Mikhallenko AA. **Tr Inst Pastera** 1985;62:128-30 (Rus)

[Treatment of herpetic keratitis with interferon and its inducer in an experiment] Bostandzhian MG, et al. **Vesta Oftalmol** 1987 May-Jun;103(3):57-9 (Rus)

[Protective effect of a commercial vaccine, poludan and their combinations in an experimental herpes infection] Khaletskaia EV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Feb;(2):51-4 (Eng. Abstr.) (Rus)

TOXICITY

Genotoxicity assessment of low-molecular weight interferon inducers by the SOS Chromotest. Rempola B, et al. **Mutat Res** 1986 Oct;172(1):47-50

INTERFERON, LEUKOCYTE see **INTERFERON TYPE I**

INTERFERON, LYMPHOBLAST see **INTERFERON TYPE I**

INTERFERON TYPE I

Conformation and stability of two recombinant human interferon-alpha analogs. Davis JM, et al. **Int J Pept Protein Res** 1987 Jun;29(6):685-91

Crystallization and preliminary X-ray studies of recombinant murine interferon-beta. Matsuda S, et al. **J Biol Chem** 1986 Dec 5;261(34):16207-9

Chemical characterization of recombinant human leukocyte interferon A using fast atom bombardment mass spectrometry. Takao T, et al. **J Biol Chem** 1987 Mar 15; 262(8):3541-7

Procedure for reduction and reoxidation of human leukocyte interferon. Langer JA, et al. **Methods Enzymol** 1986; 119:248-55

Radioiodination of human alpha interferons by the chloramine T method. Mogensen KE, et al. **Methods Enzymol** 1986;119:267-76

Labeling of recombinant interferon with [35S]methionine in vivo. Rashidbaigi A, et al. **Methods Enzymol** 1986; 119:286-91

Radiolabeling of human leukocyte and immune interferons with 125I and lactoperoxidase. Sarkar FH, et al. **Methods Enzymol** 1986;119:263-7

Radiolabeling of human interferon alphas with 125I-labeled Bolton-Hunter reagent. Zur Nedden DL, et al. **Methods Enzymol** 1986;119:276-81

Biogen in European Patent Office row over interferon [news] Ezzell C. **Nature** 1987 Jan 8-14;325(7000):98

Interferon-beta 2 living up to its name [letter] Revel M, et al. **Nature** 1987 Feb 12-18;325(6105):581-2

Advances in cancer: interferon—achievements and potential. Pestka S. **NJ Med** 1987 Jan;84(1):51-6

[Interferon alpha-2b (Introna)] Hippe E, et al. **Ugeskr Laeger** 1987 Jun 8;149(24):1621-2 (Dan)

ADMINISTRATION & DOSAGE

Three-year experience of treating recurrent respiratory papilloma with interferon. Lusk RP, et al. **Ann Otol Rhinol Laryngol** 1987 Mar-Apr;96(2 Pt 1):158-62

Intralesional human lymphoblastoid interferon alpha for the treatment of cutaneous, nongenital viral warts [letter] Gibson JR. **Arch Dermatol** 1986 Oct;122(10):1098-9

Dose related effectiveness of alpha interferon in chronic myelogenous leukemia [letter] Gastl G, et al. **Blut** 1987 Apr;54(4):251-2

Phase II study of high dose weekly intravenous human lymphoblastoid interferon in renal cell carcinoma. A study of the National Cancer Institute of Canada Clinical Trials Group. Eisenhauer EA, et al. **Br J Cancer** 1987 May; 55(5):541-2

Combining interferon with cytotoxic chemotherapy in patients with advanced breast cancer. Ashford R, et al. **Cancer Immunol Immunother** 1986;23(3):217-9

Augmentation of cytotoxicity of chemotherapy by human alpha-interferons in human non-small cell lung cancer xenografts. Carmichael J, et al. **Cancer Res** 1986 Oct; 46(10):4916-20

Phase I study of alpha 2-interferon plus doxorubicin in patients with solid tumors. Sarosy GA, et al. **Cancer Res** 1986 Oct;46(10):5368-71

Phase II study of rDNA alpha-2 interferon (INTRON A) in patients with multiple myeloma utilizing an escalating induction phase. Case DC Jr, et al. **Cancer Treat Rep** 1986 Nov;70(11):1251-4

Macrophage activation by interferon alpha + beta is associated with a loss of proliferative capacity: role of interferon alpha + beta in the regulation of macrophage proliferation and function. Chen BD, et al. **Cell Immunol** 1987 May;106(2):343-54

Systemic treatment of condylomata acuminata with recombinant interferon-alpha-2a: low-dose superior to the high-dose regimen. Gross G, et al. **Chemotherapy** 1986; 32(6):537-41

Children's respiratory viral diseases treated with interferon aerosol. Dai JX, et al. **Chin Med J [Engl]** 1987 Feb; 100(2):162-6

A biological approach to optimize interferon treatment in hairy cell leukemia. Gastl G, et al. **Immunobiology** 1986 Sep;172(3-5):262-8

Treatment of AIDS-associated Kaposi's sarcoma with recombinant alpha interferon. Oettgen HF, et al. **Immunobiology** 1986 Sep;172(3-5):269-74

In vivo anti-tumor activity of combinations of interferon alpha and interleukin-2 in a murine model. Correlation of efficacy with the induction of cytotoxic cells resembling natural killer cells. Brunda MJ, et al. **Int J Cancer** 1987 Sep 15;40(3):365-71

The efficacy and tolerance of intranasal interferons: studies at the Common Cold Unit. Tyrrell DA. **J Antimicrob Chemother** 1986 Oct;18 Suppl B:153-6

Synergistic antiproliferative effect of recombinant alpha-interferons with recombinant gamma-interferon. Hubbell HR, et al. **J Biol Response Mod** 1987 Apr; 6(2):141-53

Treatment of flat facial warts with interferon-beta cream. Schoenfeld A, et al. **J Dermatol Surg Oncol** 1987 Mar; 13(3):299-301

Intranasally administered interferon as prophylaxis against experimentally induced influenza A virus infection in humans. Treanor JJ, et al. **J Infect Dis** 1987 Aug; 156(2):379-83

Pharmacokinetics of recombinant interferon-alpha 2 following intralesional administration in malignant glioma patients. Maleci A, et al. **J Interferon Res** 1987 Feb; 7(1):107-9

Intrathecal interferon, indomethacin, and multiple sclerosis [letter] Berenbaum MC. **Lancet** 1987 Feb 7;1(8528):326-7

Combination of human fibroblast and immune interferon in chronic active hepatitis B [letter] Caselmann WH, et al. **Lancet** 1987 Aug 22;2(8556):454-5

Multicentre double-blind study of effect of intrathecally administered natural human fibroblast interferon on exacerbations of multiple sclerosis. Jacobs L, et al. **Lancet** 1986 Dec 20-27;2(8521-22):1411-3

The effectiveness of combination therapy with Hu IFN-beta and ACNU against malignant glioma. Enomoto H, et al. **Neurol Med Chir (Tokyo)** 1987 Jan;27(1):6-10

Cyclosporine and alpha-interferon do not attenuate morphine withdrawal in rats but do impair thermoregulation. Dantzer R, et al. **Physiol Behav** 1987;39(5):593-8

Recombinant interferon enhances monoclonal antibody-targeting of carcinoma lesions in vivo [published erratum appears in Science 1987 May 8;236(4802):657] Greiner JW, et al. **Science** 1987 Feb 20;235(4791):895-8

Alfa interferon: combinations with other antineoplastic modalities. Bonnem EM. **Semin Oncol** 1987 Jun;14(2 Suppl 2):48-60 (84 ref.)

Interferon alfa-2b-cyclophosphamide combination studies: in vitro and phase I-II clinical results. Durie BG, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 2):84-8

Rationale for and conduct of a phase I clinical trial with interferon alfa-2b plus doxorubicin. Von Hoff DD, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 2):72-7

[Intracavitary administration of recombinant interferon in cancer patients with malignant effusions] Takashima S, et al. **Gan No Rinsho** 1986 Sep;32(11):1451-7 (Eng. Abstr.) (Jpn)

[Clinical trial of a combination of human lymphoblastoid interferon (HLBI), melphalan and prednisolone (HLBI-MP) in multiple myeloma] Hara M, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1338-41 (Eng. Abstr.) (Jpn)

[In vitro enhancement of cytotoxicity of human peripheral blood lymphocytes with recombinant interleukin 2 and an interferon mixture (alpha + beta + gamma) against human colon carcinoma cell line SW1116] Kimoto Y. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3419-26 (Eng. Abstr.) (Jpn)

[Combined effect of human recombinant interferon alpha, beta and gamma on tumor cell growth and the cell cycle in vitro] Kondo H, et al. **Gan To Kagaku Ryoho** 1987 May; 14(5 Pt 1):1234-9 (Eng. Abstr.) (Jpn)

[Combined effect of human recombinant interferon-beta and interferon-gamma against an experimental model of peritonitis carcinomatosa in nude mice] Kondo H, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1836-40 (Eng. Abstr.) (Jpn)

[Synergistic effect of recombinant human interferon-beta and -gamma on human colon cancer transplanted into nude mice] Naomoto Y, et al. **Gan To Kagaku Ryoho** 1986 Oct; 13(11):3155-60 (Eng. Abstr.) (Jpn)

[Intraperitoneal administration of beta-interferon in gastric cancer patients with peritoneal recurrence (ascites and serum IFN levels and its antitumor effect)] Notsuka T, et al. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3538-40 (Jpn)

[A preliminary study of chemo-interferon therapy in malignant lymphoma] Takeyama H, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):140-5 (Eng. Abstr.) (Jpn)

[Intravesical chemotherapy with interferon in superficial bladder tumors] Tanahashi T, et al. **Gan To Kagaku Ryoho** 1987 Apr;14(4):1156-9 (Eng. Abstr.) (Jpn)

[Experimental study of chemotherapy of renal cell carcinoma. 2. Combination effect of interferon and antitumor agents based on cell kinetic analysis] Konami T. **Hinyokika Kiyo** 1987 Jan;33(1):15-26 (Eng. Abstr.) (Jpn)

[Combined effects of interferon-alpha and 5-fluorouracil, or cis-diamminedichloroplatinum (II) on murine bladder tumor in vivo] Kameyama S, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Aug 20;21(7):1409-12 (Eng. Abstr.) (Jpn)

[Use of an interferon-containing ointment in treating suppurative-inflammatory processes] Barsukov AE, et al. **Tr Inst Pastera** 1985;62:116-7 (Rus)

[Use of inhalations of human leukocyte interferon for influenza prevention in children's collectives] Feklisova LV, et al. **Tr Inst Pastera** 1985;62:127-8 (Rus)

[Clinico-morphological indices of patients with nonspecific ulcerative colitis who used an interferon ointment] Zhernakova TV, et al. **Tr Inst Pastera** 1985;62:118-20 (Rus)

[Results of studies on the complex treatment of patients with psoriasis using inhalation of human leukocyte interferon] Igoshin IuM, et al. **Vestn Dermatol Venerol** 1987;(3):36-9 (Eng. Abstr.) (Rus)

[Morphological and immunologic changes following intratumoral administration of alpha interferon in patients with breast cancer] Polevaia EB, et al. **Vopr Onkol** 1986; 32(12):19-23 (Eng. Abstr.) (Rus)

[Prevention of viral hepatitis in children with concentrated human leukocyte interferon] Briukhanova LK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Oct;(10):63-5 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Induction of acute corneal allograft rejection by alpha-2 interferon. Jacobs AD, et al. **Am J Med** 1987 Jan; 82(1):181-2

Psychiatric complications of long-term interferon alfa therapy. Renault PF, et al. **Arch Intern Med** 1987 Sep; 147(9):1577-80

Pulmonary sarcoidosis following interferon therapy for advanced renal cell carcinoma. Abdi EA, et al. **Cancer** 1987 Mar 1;59(5):896-900

Gonadal and sexual function in male patients with hairy cell leukemia: lack of adverse effects of recombinant alpha 2-interferon treatment. Schilsky RL, et al. **Cancer Treat Rep** 1987 Feb;71(2):179-81

Reversible arrhythmias observed in patients treated with recombinant alpha 2 interferon. Martino S, et al. **J Cancer Res Clin Oncol** 1987;113(4):376-8

Thyroid autoimmunity in patients on long term therapy with leukocyte-derived interferon. Burman P, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1086-90

Bone marrow necrosis and treatment with interferon [letter] Moraleda JM, et al. **J Clin Pathol** 1986 Sep;39(9):1045

Human interferons active on murine cells induce pulmonary cysts in A2G mice. Woodrow D, et al. **J Interferon Res** 1986 Oct;6(5):557-61

[Detection of nephrotoxicity of human alpha 2b interferon with special reference to the analysis of urine enzymes in patients with chronic myeloid leukemia] Kurschel E, et al. **Klin Wochenschr** 1987 Jul 15;65(14):667-72 (Eng. Abstr.) (Ger)

ANALYSIS

Alpha interferon in human pregnancy. Chard T, et al. **Br J Obstet Gynaecol** 1986 Nov;93(11):1145-9

Time-resolved fluoroimmunoassay vs ELISA for determination of alpha 2-interferon. Schmidt B, et al. **Clin Chem** 1987 Jun;33(6):1070

Levels of interferon in the plasma and cerebrospinal fluid of patients with acute Japanese encephalitis. Burke DS, et al. **J Infect Dis** 1987 Apr;155(4):797-9

alpha-Interferon in anti-HIV positive patients [letter] Skidmore SJ, et al. **Lancet** 1987 Aug 29;2(8557):520

Analysis of different forms of recombinant human interferons by high-performance liquid chromatography. Felix AM, et al. **Methods Enzymol** 1986;119:242-8

Procedures for measurement of interferon dimers and higher oligomers by radioimmunoassay. Pestka S, et al.

Methods Enzymol 1986;119:588–93

Antiproliferative assay of human leucocyte interferon. Hirai N, et al. **Tohoku J Exp Med** 1987 Mar;151(3):309–16

[Critical study of the titration of human leukocytic and lymphoblastoid interferon on MDBK cells, in microplaque by the so-called dye-uptake method. II. Statistical analysis] Capellier M, et al. **Ann Pharm Fr** 1986;44(4):285–91 (Eng. Abstr.) **(Fre)**

[Leukocyte migration inhibiting factor in preparations of alpha and gamma interferons] Vakhromeeva NS, et al. **Vopr Virusol** 1986 Sep–Oct;31(5):617–9 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Adenovirus early region 1A modulation of interferon antiviral activity. Anderson KP, et al. **J Virol** 1987 Mar; 61(3):787–95

BIOSYNTHESIS

Effect of acetyl salicylic acid on production and action of leukocyte-derived interferons. Yousefi S, et al. **Antimicrob Agents Chemother** 1987 Jan;31(1):114–6

Interferons from mouse lymphocytes produced at various temperatures (26 degrees C and 37 degrees C). Cembrzyńska-Nowak M. **Arch Immunol Ther Exp (Warsz)** 1986;34(5–6):525–32

Beta interferon production in primed and unprimed cells infected with human cytomegalovirus. Rodriguez JE, et al. **Arch Virol** 1987;94(3–4):177–89

Interferon responses of peripheral blood mononuclear cells from normal and leukaemic children. Mohammed GS, et al. **Br J Haematol** 1986 Dec;64(4):789–98

Interleukin 2 induces interferon alpha/beta production in mouse bone marrow cells. Reyes VE, et al. **Cell Immunol** 1986 Oct 15;102(2):374–85

Pyrogenic and haematological effects of the interferon-inducing 22K factor (interleukin 1 beta) from human leukocytes. van Damme J, et al. **Clin Exp Immunol** 1986 Nov;66(2):303–11

Induction and characterization of swine beta interferon. Amadori M, et al. **Comp Immunol Microbiol Infect Dis** 1987;10(1):71–8

Production of human beta-interferon in mouse L-cells. Schulz R, et al. **Dev Biol Stand** 1987;66:489–93

Structural analysis of the sequence coding for an inducible 26-kDa protein in human fibroblasts. Haegeman G, et al. **Eur J Biochem** 1986 Sep 15;159(3):625–32

Impaired production of alpha and gamma interferon in asymptomatic homosexual males. Bergström T, et al. **Eur J Clin Microbiol** 1986 Oct;5(5):523–9

Interleukin 1 as a cytokine inducer. Billiau A, et al. **Immunobiology** 1986 Sep;172(3–5):323–35

Characterization of non-T effector cell subpopulations involved in production of human alpha interferon. Ikossi MG, et al. **Immunol Invest** 1986 Oct;15(6):559–74

Characterization of Listeria monocytogenes-induced murine natural killer cells. Holmberg LA, et al. **Immunol Res** 1986; 5(1):50–60

Synthesis and secretion of interferon by murine fibroblasts in response to intracellular Listeria monocytogenes. Havell EA. **Infect Immun** 1986 Dec;54(3):787–92

Discrepancy between the production of interleukin 1, alpha-interferon and granulocytic colony-stimulating activity of human monocytes stimulated by a partially purified human urinary colony-stimulating factor. Hatake K, et al. **Int J Immunopharmacol** 1986;8(6):573–9

Natural killer-cell activity, interferon-alpha 2 production, and interleukin-2 production in cyclosporine-treated and conventionally immunosuppressed human allograft recipients. Guillou PJ, et al. **J Clin Immunol** 1986 Sep; 6(5):373–80

Optimal conditions for the induction of human mononuclear leukocytes by complexed polyinosinic-polycytidylic acid. Kaplan H, et al. **J Clin Lab Immunol** 1987 Mar;22(3):153–6

Identification of the human 26-kD protein, interferon beta 2 (IFN-beta 2), as a B cell hybridoma/plasmacytoma growth factor induced by interleukin 1 and tumor necrosis factor. Van Damme J, et al. **J Exp Med** 1987 Mar 1; 165(3):914–9

Studies on the expression of spontaneous and induced interferons in mouse peritoneal macrophages by means of monoclonal antibodies to mouse interferons. Belardelli F, et al. **J Gen Virol** 1987 Aug;68 (Pt 8):2203–12

Respiratory virus infection of peripheral blood monocytes: correlation with ageing of cells and interferon production in vitro. Krilov LR, et al. **J Gen Virol** 1987 Jun;68 (Pt 6):1749–53

Human interferon alpha and gamma production by lymphocytes during the generation of influenza virus-specific cytotoxic T lymphocytes. Yamada YK, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2325–34

Bacterial invasion of fibroblasts induces interferon production. Hess CB, et al. **J Immunol** 1987 Jun 1; 138(11):3949–53

Beta interferon produced by keratinocytes in human cutaneous infection with herpes simplex virus. Torseth JW, et al. **J Infect Dis** 1987 Apr;155(4):641–8

Influence of monoclonal antibodies against HLA class I and class II antigen on interferon-gamma and -alpha induction. Ausiello C, et al. **J Interferon Res** 1987 Apr;7(2):133–43

Production of interferon by peripheral blood mononuclear cells from normal individuals and patients with chronic lymphocytic leukemia. Fernandez RC, et al. **J Interferon Res** 1986 Oct;6(5):573–80

Efficient expression of unfused human alpha D-interferon in Escherichia coli using overlapping termination and initiation codons (TGATG) in its signal sequence. Hou YT, et al. **J Interferon Res** 1986 Aug;6(4):437–43

Production of recombinant mouse beta-interferon. Tanaka T, et al. **J Interferon Res** 1986 Aug;6(4):429–35

Spontaneous and induced interferon production by peripheral blood leucocytes from control population and patients with herpes genitalis. Iannello D, et al. **J Med Virol** 1987 May; 22(1):25–34

Interferon induction by transfection of Sendai virus C gene cDNA. Taira H, et al. **J Virol** 1987 Feb;61(2):625–8

Interferon induction by adenovirus type 12: stimulatory function of early region 1A. Toth MI, et al. **J Virol** 1987 Jul;61(7):2326–30

Production and purification of bovine interferon beta. Ahl R, et al. **Methods Enzymol** 1986;119:211–20

Induction and characterization of bovine leukocyte interferon. Cohen S, et al. **Methods Enzymol** 1986; 119:136–44

In vitro interferon production: induction in human leukocytes after exposure to cytomegalovirus antigens. Lun MT, et al. **Microbiologica** 1986 Oct;9(4):399–404

Interferon messenger RNA is produced constitutively in the organs of normal individuals. Tovey MG, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5038–42

Regulation of in vitro human leukocyte interferon production: effect of prostaglandin synthetase and phosphodiesterase inhibition. Ikossi MG, et al. **Res Commun Chem Pathol Pharmacol** 1986 Dec; 54(3):379–93

Impaired alpha-interferon production and natural killer activity in blood mononuclear cells in myelodysplastic syndromes. Okabe M, et al. **Scand J Haematol** 1986 Aug; 37(2):111–7

Reduced production of interferon alpha and interferon gamma in leukocyte cultures from patients with active rheumatoid arthritis. Seitz M, et al. **Scand J Rheumatol** 1987;16(4):257–62

Interferon alpha/beta synthesis during acute graft-versus-host disease. Reyes VE, et al. **Transplantation** 1987 Mar;43(3):412–6

The isolation of interferon-inducing mutants of vesicular stomatitis virus with altered viral P function for the inhibition of total protein synthesis. Francoeur AM, et al. **Virology** 1987 Sep;160(1):236–45

[Studies on the induction of alpha and gamma interferon in chronic hepatitis B patients] Zhang LM, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Jun;25(6):347–9, 381–2 (Eng. Abstr.) **(Chi)**

[Interferon formation in hairy cell leukemia] Vaněček K, et al. **Cas Lek Cesk** 1987 Jan 23;126(4):110–2 (Eng. Abstr.) **(Cze)**

[Interferon production in vitro] Kaise R, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):896–902 (Eng. Abstr.) **(Jpn)**

[Interferon-synthesizing function of leukocytes in patients with diabetes mellitus] Bondar' IA, et al. **Ter Arkh** 1986; 58(10):88–91 (Eng. Abstr.) **(Rus)**

[Formation of an acid-labile interferon induced in human leukocytes by the influenza virus] Meshkova EN, et al. **Vopr Virusol** 1987 Jan–Feb;32(1):96–9 (Eng. Abstr.) **(Rus)**

[Production of alpha- and gamma-interferons by human central lymph cells in different pathological states] Solov'eva MN, et al. **Vopr Virusol** 1986 Nov–Dec; 31(6):730–3 (Eng. Abstr.) **(Rus)**

[Production of endogenous interferon in acute viral meningitis] Nikolić S, et al. **Srp Arh Celok Lek** 1986 Nov–Dec;114(11–12):1033–42 (Eng. Abstr.) **(Sec)**

BLOOD

A preliminary study of serum interferon in systemic lupus erythematosus and its significance. Shi SY, et al. **Chin Med J [Engl]** 1986 Mar;99(3):229–34

A sensitive radioimmunoassay for alpha-interferon: circulating alpha-interferon-like substance in the plasma of healthy individuals and rheumatoid arthritis patients. Shiozawa S, et al. **Clin Exp Immunol** 1986 Oct;66(1):77–87

Lack of correlation between serum titres of interferon alpha, beta, natural killer cell activity and clinical susceptibility in mice infected with two isolates of lymphocytic choriomeningitis virus. Leist TP, et al. **J Gen Virol** 1987 Aug;68 (Pt 8):2213–8

Alpha interferon in the sera of patients infected with Mycoplasma pneumoniae. Nakayama T, et al. **J Infect Dis** 1986 Nov;154(5):904–6

In vivo hyperthermia enhances plasma antiviral activity and stimulates peripheral lymphocytes for increased synthesis of interferon-gamma. Downing JF, et al. **J Interferon Res** 1987 Apr;7(2):185–93

Effect of breast feeding on responses of systemic interferon and virus-specific lymphocyte transformation in infants with respiratory syncytial virus infection. Chiba Y, et al. **J Med Virol** 1987 Jan;21(1):7–14

Interferon level in human normal sera. Ghyka G, et al. **Med Interne** 1987 Jan–Mar;25(1):43–6

2',5'-Oligoadenylate synthetase and interferon in peripheral blood after rubella, measles, or mumps live virus vaccine. Tilles JG, et al. **Proc Soc Exp Biol Med** 1987 Oct; 186(1):70–4

[Daily fluctuations of interferon induction in the blood leukocytes of children vaccinated with measles and mumps vaccines] Aksenov OA, et al. **Tr Inst Pastera** 1985;62:130–2 **(Rus)**

CEREBROSPINAL FLUID

Alpha-interferon responses in cerebrospinal fluid of patients with suspected meningitis. Ho-Yen DO, et al. **J Clin Pathol** 1987 Jan;40(1):83–6

CLASSIFICATION

Human monocytes and lymphocytes produce different mixtures of alpha-interferon subtypes. Goren T, et al. **J Interferon Res** 1986 Aug;6(4):323–9

GENETICS

Gene reorganization during serial divisions of normal human cells. Icard-Liepkalns C, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):112–23

Evidence for local DNA influences on patterns of substitutions in the human alpha-interferon gene family. Golding GB, et al. **Can J Genet Cytol** 1986 Aug; 28(4):483–96

Interferon-beta gene regulation: tandemly repeated sequences of a synthetic 6 bp oligomer function as a virus-inducible enhancer. Fujita T, et al. **Cell** 1987 May 8;49(3):357–67

Reversible silencing of enhancers by sequences derived from the human IFN-alpha promoter. Kuhl D, et al. **Cell** 1987 Sep 25;50(7):1057–69

Interferon production from human cell cultures. Finter NB, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:571–5

Production of human alpha-inteferon in silkworm using a Bombyx mori nuclear polyhedrosis virus vector. Maeda S, et al. **Dev Biol Stand** 1987;66:75–82

Expression of an interferon-alpha gene variant in E. coli using tandemly repeated synthetic ribosomal binding sites. Grundström T, et al. **DNA** 1987 Feb;6(1):41–6

Molecular cloning and expression in Escherichia coli of equine type I interferons. Himmler A, et al. **DNA** 1986 Oct;5(5):345–56

Chemical mutagenesis of human interferon-beta: construction, expression in E. coli, and biological activity of sodium bisulfite-induced mutations. Stewart AG, et al. **DNA** 1987 Apr;6(2):119–28

B cell growth modulating and differentiating activity of recombinant human 26-kd protein (BSF-2, HuIFN-beta 2, HPGF). Poupart P, et al. **EMBO J** 1987 May; 6(5):1219–24

Single amino acid changes that render human IFN-alpha 2 biologically active on mouse cells. Weber H, et al. **EMBO J** 1987 Mar;6(3):591–8

Structure and expression of cDNA and genes for human interferon-beta-2, a distinct species inducible by growth-stimulatory cytokines. Zilberstein A, et al. **EMBO J** 1986 Oct;5(10):2529–37

Cooperative interaction of multiple DNA elements in the human interferon-beta promoter. Dinter H, et al. **Eur J Biochem** 1987 Jul 1;166(1):103–9

Expression of a synthetic human interferon-alpha 1 gene with modified nucleotide sequence in mammalian cells. Coulombe B, et al. **Gene** 1986;46(1):89–95

Synthesis of fusion and mature murine alpha interferons in Escherichia coli. Kelley KA, et al. **Gene** 1986;45(3):317–25

DNA homology between the 3'-untranslated regions of a developmentally regulated Drosophila gene and a mouse alpha-interferon gene. Nakanishi Y, et al. **Gene** 1986; 46(1):79–88

Cloning and expression in biologically active form of the gene for human interferon alpha 2 in Streptomyces lividans. Pulido D, et al. **Gene** 1986;45(2):167–74

Structure and expression of a new murine interferon-alpha gene: MuIFN-alpha I9. Seif I, et al. **Gene** 1986; 43(1–2):111–21

Transient expression of murine interferon-alpha genes in mouse and monkey cells. van Heuvel M, et al. **Gene** 1986; 45(2):159–65

Rearrangement of genes located on homologous chromosomal segments in mouse and man: the location of genes for alpha- and beta-interferon, alpha-1 acid glycoprotein-1 and -2, and aminolevulinate dehydratase on mouse chromosome 4. Nadeau JH, et al. **Genetics** 1986 Dec;114(4):1239–55

Interferon analogues from synthetic genes: an approach to protein structure-activity studies. Edge MD, et al. **Interferon** 1986;7:1–46 (77 ref.)

Identification of a nuclear DNA binding protein associated with the interferon-beta upstream regulatory region. Xanthoudakis S, et al. **J Biol Chem** 1987 Jun 15; 262(17):8298–302

Linkage analysis of the murine interferon alpha locus (Ifa) on chromosome 4. De Maeyer E, et al. **J Hered** 1987 May–Jun;78(3):143–6

Structure and expression in Escherichia coli of canine interferon-alpha genes. Himmler A, et al. **J Interferon Res** 1987 Apr;7(2):173–83

Molecular cloning and sequencing of a gene encoding biologically active porcine alpha-interferon. Lefevre F, et

al. **J Interferon Res** 1986 Aug;6(4):349–60
A procedure for isolation of alpha interferon genes with short oligonucleotide probes. Bollon AP, et al.
Methods Enzymol 1986;119:359–65
Procedures for isolation of murine alpha interferon genes and expression of a murine leukocyte interferon in E. coli. Daugherty BL, et al. **Methods Enzymol** 1986;119:434–41
Procedures for in vitro DNA mutagenesis of human leukocyte interferon sequences. DeChiara TM, et al.
Methods Enzymol 1986;119:403–15
Construction of expression vectors for secretion of human interferons by yeast. Hitzeman RA, et al.
Methods Enzymol 1986;119:424–33
Detection of a single base substitution between human leukocyte IFN–alpha A and –alpha 2 genes with octadecyl deoxyoligonucleotide probes. Hotta K, et al.
Methods Enzymol 1986;119:481–5
Procedures for expression, modification, and analysis of human fibroblast interferon (IFN–beta) genes in heterologous cells. Innis MA, et al. **Methods Enzymol** 1986; 119:397–403
Use of Rous sarcoma viral genome to express human fibroblast interferon. Mulcahy L, et al.
Methods Enzymol 1986;119:383–96
Yeast vectors for production of interferon. Schaber MD, et al. **Methods Enzymol** 1986;119:416–23
Cloning, expression, and purification of rat IFN–alpha 1. van der Meide PH, et al. **Methods Enzymol** 1986;119:441–53
Isolation of bovine IFN–alpha genes and their expression in bacteria. Velan B, et al. **Methods Enzymol** 1986; 119:464–74
The detection of individual cells containing interferon mRNA by in situ hybridization with specific interferon DNA probes. Zawatzky R, et al. **Methods Enzymol** 1986; 119:474–81
Saccharomyces cerevisiae secretes and correctly processes human interferon hybrid proteins containing yeast invertase signal peptides. Chang CN, et al. **Mol Cell Biol** 1986 May; 6(5):1812–9
Activation of the human beta–interferon gene requires an interferon–inducible factor. Enoch T, et al.
Mol Cell Biol 1986 Mar;6(3):801–10
A cytokine network in human diploid fibroblasts: interactions of beta–interferons, tumor necrosis factor, platelet–derived growth factor, and interleukin–1. Kohase M, et al.
Mol Cell Biol 1987 Jan;7(1):273–80
Transcriptional and posttranscriptional regulation of exogenous human beta interferon gene in simian cells defective in interferon synthesis. Mosca JD, et al.
Mol Cell Biol 1986 Jun;6(6):2279–83
Induction and regulation of mRNA encoding 26–kDa protein in human cell lines treated with recombinant human tumor necrosis factor. Defilippi P, et al.
Proc Natl Acad Sci USA 1987 Jul;84(13):4557–61
The 3' untranslated region of the human interferon–beta mRNA has an inhibitory effect on translation. Kruys V, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6030–4
Rapid enhancement of beta 2–interferon/B–cell differentiation factor BSF–2 gene expression in human fibroblasts by diacylglycerols and the calcium ionophore A23187. Sehgal PB, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3663–7
The interferon genes. Weissmann C, et al.
Prog Nucleic Acid Res Mol Biol 1986;33:251–300 (227 ref.)
Human beta 2 interferon and B–cell differentiation factor BSF–2 are identical. Sehgal PB, et al. **Science** 1987 Feb 13;235(4790):731–2
[Optimization of the gene expression for human alpha F– and beta 1–interferons in Escherichia coli cells] Mashko SV, et al. **Antibiot Med Biotekhnol** 1987 Apr;32(4):248–54 (Eng. Abstr.) **(Rus)**
[Cloning and the determination of the nucleotide sequences in 2 genes of human leukocyte interferons] Savel'ev VI, et al. **Antibiot Med Biotekhnol** 1986 Aug;31(8):592–6 (Eng. Abstr.) **(Rus)**
[Antiviral activity of mutant interferons. A new approach to the study of structural–functional organization of interferons] Petrenko VA, et al. **Bioorg Khim** 1987 Feb; 13(2):259–62 (Eng. Abstr.) **(Rus)**
[Chemico–enzymatic synthesis and cloning of a biologically active beta–interferon gene] Kumarev VP, et al.
Dokl Akad Nauk SSSR 1986 Sep–Oct;290(1):244–9 **(Rus)**
[Effect of promoter duplication in the synthetic interferon gene on the level of its expression] Il'ichev AA, et al.
Genetika 1987 Feb;23(2):197–201 (Eng. Abstr.) **(Rus)**
[Design of a recombinant plasmid allowing the selection of an optimal promotor for the human interferon alpha2 gene] Il'ichev AA, et al. **Mol Gen Mikrobiol Virusol** 1986 Jul; (7):23–6 (Eng. Abstr.) **(Rus)**
[Expression of the artificial gene for human leukocyte interferon alpha 2 cloned in phage M13MP8] Il'ichev AA, et al. **Mol Gen Mikrobiol Virusol** 1986 Aug;(8):19–23 (Eng. Abstr.) **(Rus)**
[Expression of human leukocyte interferon type A in Saccharomyces cerevisiae under the control of regulatory elements of the yeast gene URA3] Nikoshkov AB, et al. **Mol Gen Mikrobiol Virusol** 1987 May;(5):26–32 (Eng. Abstr.) **(Rus)**
[Expression of human leukocyte interferon A gene in Saccharomyces cerevisiae under the control of regulatory yeast elements PHO5, GAL1 and GAL10] Nikoshkov AB, et al. **Mol Gen Mikrobiol Virusol** 1987 Jun;(6):42–5 (Eng. Abstr.) **(Rus)**
[Isolation of mutant genes for human leukocyte alpha2–interferon by a method of localized mutagenesis] Petrenko VA, et al. **Mol Gen Mikrobiol Virusol** 1985 Aug; (8):38–44 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Augmentation of spontaneous cytotoxicity of human lymphocytes by RU 41.740 is due to monocyte–derived factors distinct from interleukin 2, interferon alpha and gamma. Viland H, et al. **Anticancer Res** 1987 Jan–Feb; 7(1):23–8
Enhanced antibody responses in mice by combined administration of interferon with rabies vaccine. Mifune K, et al. **Arch Virol** 1987;94(3–4):287–95
Influence of low–dose beta–interferon on natural killer cell activity in breast cancer patients subjected to chemotherapy. Tentori L, et al.
Cancer Immunol Immunother 1987;24(1):86–91
Cellular localization of alpha–interferon in hepatitis B virus–infected liver tissue. Jilbert AR, et al. **Hepatology** 1986 Sep–Oct;6(5):957–61
The detection of antibodies to recombinant interferon alfa–2a in human serum. Hennes U, et al. **J Biol Stand** 1987 Jul; 15(3):231–44
In vitro effects of lymphoblastoid interferon on lymphocyte activation and cell–mediated cytolysis in patients with chronic hepatitis B virus infection. Alexander GJ, et al. **J Hepatol** 1986;3 Suppl 2:S269–77
Alpha–interferon enhances non–T cell cytotoxicity for autologous hepatocytes in acute and chronic HBV infection. Mondelli M, et al. **J Hepatol** 1986;3 Suppl 2:S279–81
Different functional sites on rIFN–alpha 2 and their relation to the cellular receptor binding site. Cebrián M, et al.
J Immunol 1987 Jan 15;138(2):484–90
Selective inhibition of the generation of T suppressor cells of contact sensitivity in vitro by interferon. Knop J, et al. **J Immunol** 1987 Jun 1;138(11):3684–7
Immunological activities of recombinant interferon–alpha 2 and its A fragment. Attallah AM, et al.
J Interferon Res 1987 Apr;7(2):223–9
Epitope localization of a monoclonal antibody, LO–22, with broad specificity for interferon–alpha subtypes. Meager A, et al. **J Interferon Res** 1986 Dec;6(6):729–36
A sensitive radioimmunoassay for detection of antibodies to recombinant human interferon–alpha A. Palleroni AV, et al. **J Interferon Res** 1986 Dec;6(6):705–12
Interferon–induced cytolysis correlates with the degree of transformation of epidermal cells. Tyring SK, et al.
J Invest Dermatol 1987 Aug;89(2):136–41
Suppressive effect of interferon–beta on development of tumoricidal activity in mouse macrophages. Pace JL, et al. **J Leukocyte Biol** 1987 Mar;41(3):257–63
Clinical significance of anti–IFN–alpha antibody titres during interferon therapy [letter] von Wussow P, et al. **Lancet** 1987 Sep 12;2(8559):635–6
Radioimmunoassay for detection of changes in cell surface tumor antigen expression induced by interferon. Greiner JW, et al. **Methods Enzymol** 1986;119:682–8
Measurements of changes in histocompatibility antigens induced by interferons. Hokland M, et al.
Methods Enzymol 1986;119:688–93
Two monoclonal antibodies distinguish between human recombinant interferon–alpha 5s produced by Escherichia coli and by mouse cells. Tsukui K, et al.
Microbiol Immunol 1986;30(12):1271–9
A monoclonal antibody with broad reactivity to human interferon–alpha subtypes useful for purification of leukocyte–derived interferon. Tsukui K, et al.
Microbiol Immunol 1986;30(11):1129–39
Antibodies in patients with hairy–cell leukemia receiving alpha–2b interferon [letter] Jacobs SL, et al.
N Engl J Med 1986 Nov 27;315(22):1418
[Lymphocyte cytotoxicity against autologous tumor cells and the effect of interferon–beta on their activities. (2) Evaluation of large granular lymphocytes (LGL)] Ezaki K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1246–51 (Eng. Abstr.) **(Jpn)**
[Lymphocyte cytotoxicity against autologous tumor cells and the effect of interferon–beta on their activities. (1) Evaluation by modification of target tumor cells] Ezaki K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1240–5 (Eng. Abstr.) **(Jpn)**
[Studies on the antitumor activity of human recombinant interferon alpha–2b in vitro] Haraguchi S, et al.
Gan To Kagaku Ryoho 1986 Oct;13(11):3236–43 (Eng. Abstr.) **(Jpn)**
[Immunobiological studies of interferon–alpha A/D in comparison with a streptococcal preparation, OK–432] Mizushima Y, et al. **Gan To Kagaku Ryoho** 1987 Sep; 14(9):2710–5 (Eng. Abstr.) **(Jpn)**
[Isolation of a hyperimmune rabbit antiserum to human leukocyte interferon] Iovlev VI, et al. **Tr Inst Pastera** 1985; 62:149–51 **(Rus)**

ISOLATION & PURIFICATION

Purification of mammalian interferons on controlled pore glass (CPG) with modified surface. Kandefer–Szerszen M, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(5–6):517–23
Anomalous behavior of human leukocyte interferon subtypes on polyacrylamide gel electrophoresis in the presence of dodecyl sulfate. Ohara O, et al. **FEBS Lett** 1987 Jan 19; 211(1):78–82
Monoclonal antibody to human beta interferon: characterization and application. Sugi M, et al.
Hybridoma 1987 Jun;6(3):313–20
Normal human epidermis contains an interferon–like protein. Yaar M, et al. **J Cell Biol** 1986 Oct;103(4):1349–54
Chromatographic methods for purification of leukocyte interferon. Pasechnik VA. **J Chromatogr** 1986 Sep 12; 364:359–68
Characterization of regulatory (interferon–alpha/beta) and accessory (LAF/IL 1) monokine activities from liver granuloma macrophages of Schistosoma mansoni–infected mice. Elliott DE, et al. **J Immunol** 1987 Apr 15; 138(8):2653–62
Purification and characterization of recombinant mouse interferon–beta. Matsuda S, et al. **J Interferon Res** 1986 Oct;6(5):519–26
Characterization of three species of Escherichia coli–derived human leukocyte interferon A separated by reverse–phase high–performance liquid chromatography. Nakagawa S, et al. **J Interferon Res** 1987 Jun;7(3):285–99
Extraction of alpha interferon–receptor complexes with digitonin. Eid P, et al. **Methods Enzymol** 1986;119:347–51
Large–scale production and recovery of human leukocyte interferon from peripheral blood leukocytes. Horowitz B. **Methods Enzymol** 1986;119:39–47
Effect of purification procedures on the composition of human leukocyte interferon preparations. Kauppinen HL, et al. **Methods Enzymol** 1986;119:27–35
Purification of recombinant human interferon beta expressed in Escherichia coli. Lin LS, et al. **Methods Enzymol** 1986; 119:183–92
Purification of recombinant human fibroblast interferon produced in Escherichia coli. Moschera JA, et al.
Methods Enzymol 1986;119:177–83
Large–scale production of human interferon from lymphoblastoid cells. Phillips AW, et al.
Methods Enzymol 1986;119:35–8
Large–scale purification of recombinant human leukocyte interferons. Tarnowski SJ, et al. **Methods Enzymol** 1986; 119:153–65
Purification of recombinant human IFN–alpha 2. Thatcher DR, et al. **Methods Enzymol** 1986;119:166–77
Preparation and partial purification of human interferon delta. Wilkinson MF, et al. **Methods Enzymol** 1986;119:96–102
[Isolation and analysis of human leukocyte interferons synthesized by bacterial producer strains] Kostrov SV, et al. **Antibiot Med Biotekhnol** 1987 Apr;32(4):243–7 (Eng. Abstr.) **(Rus)**
[Purification of recombinant human alpha–N–interferon on an immunosorbent made of serum polyclonal antibodies] Iovlev VI, et al. **Tr Inst Pastera** 1985;62:142–5 **(Rus)**
[Micromethod of human interferon titration] Kondrat'eva GA, et al. **Tr Inst Pastera** 1985;62:132–6 **(Rus)**
[Purification of human leukocyte interferon by adsorption chromatography] Sinëva SA, et al. **Tr Inst Pastera** 1985; 62:146–9 **(Rus)**
[Analysis of the effectiveness of the purification of human leukocyte alpha–interferon on an immunosorbent made of serum polyclonal antibodies] Zhebrun AB, et al.
Tr Inst Pastera 1985;62:136–42 **(Rus)**

METABOLISM

Regulation of interferon–beta activity by fibroblast cells. Ramamurthy V, et al. **Antiviral Res** 1986 Aug;6(5):267–75
Cloned human interferons alpha: differential affinities for polyinosinic acid and relationship between molecular structure and species specificity. Chelbi–Alix MK, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):426–35
Variation in the binding of 125I–labeled interferon–beta ser to cellular receptors during growth of human renal and bladder carcinoma cells in vitro. Ruzicka FJ, et al.
Cancer Res 1987 Sep 1;47(17):4582–9
The lymphatic route—III. Pharmacokinetics of human natural interferon–beta injected with albumin as a retarder in rabbits. Bocci V, et al. **Gen Pharmacol** 1986;17(4):445–8
Specific residues within an amino–terminal domain of 35 residues of interferon alpha are responsible for recognition of the human interferon alpha cell receptor and for triggering biological effects. Shafferman A, et al.
J Biol Chem 1987 May 5;262(13):6227–37
Comparison of pharmacokinetic behaviors of two human interferons (Lb–IFN–alpha and Re–IFN–alpha A) in cynomolgus monkeys by 2'–5' oligoadenylate synthetase assay. Bannai H. **Jpn J Med Sci Biol** 1986 Oct–Dec; 39(5–6):185–98
The mechanism of action of interferon–alpha (IFN–alpha) in hairy–cell leukaemia; Hu–IFN–alpha 2 receptor expression by hairy cells and other normal and leukaemic cell types. Dadmarz R, et al. **Leuk Res** 1986;10(11):1279–85
Procedures for binding an antibody to receptor–bound interferon. Arnheiter H, et al. **Methods Enzymol** 1986; 119:326–32
Procedures for measuring receptor–mediated binding and internalization of human interferon. Zoon KC, et al.
Methods Enzymol 1986;119:332–9
Procedures for studying the binding of interferon to human and bovine cells in monolayer culture. Zoon KC, et al.
Methods Enzymol 1986;119:312–5

PHARMACODYNAMICS

Effect of fibroblast interferon and recombinant gamma interferon on zymosan-induced nitroblue tetrazolium reduction in mouse peritoneal macrophages. von der Lippe E, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Oct;94(5):343–6

Inhibitor of 2', 5'-oligoadenylate synthetase induced in human T lymphoblastoid cell line treated with deoxyadenosine, deoxycoformycin and interferon. Heike T, et al. **Adv Exp Med Biol** 1986;195 Pt B:683–7

Activity of interferons alpha, beta, and gamma against human immunodeficiency virus replication in vitro. Hartshorn KL, et al. **AIDS Res Hum Retroviruses** 1987 Summer; 3(2):125–33

Effect of alpha interferon on the altered T–B–cell immunoregulation in patients with thalassemia major. Nualart P, et al. **Am J Hematol** 1987 Feb;24(2):151–9

The effect of IFN-gamma and alpha on Con–A stimulated T–cell proliferation: role of monocytes. Haq AU. **Am J Med Sci** 1986 Dec;292(6):350–5

Clinical and in vitro antiproliferative properties of recombinant DNA–derived human interferon–alpha 2. Freedman MH, et al. **Am J Pediatr Hematol Oncol** 1986 Fall;8(3):178–82

Recombinant gamma, alpha, and beta interferon regulation of human lung fibroblast proliferation. Elias JA, et al. **Am Rev Respir Dis** 1987 Jan;135(1):62–5

Synergistic inhibition of human immunodeficiency virus in vitro by azidothymidine and recombinant alpha A interferon. Hartshorn KL, et al. **Antimicrob Agents Chemother** 1987 Feb;31(2):168–72

Synthesis of hemopexin and cysteine protease inhibitor is coordinately regulated by HSF–II and interferon–beta 2 in rat hepatoma cells. Baumann H, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1218–28

Multiple molecular forms of interferon display different specific activities in the induction of the antiviral state and 2'5' oligoadenylate synthetase. Chelbi–Alix MK, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1042–50

Functional antagonism between type I and type II interferons on human macrophages. Garotta G, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):948–54

Early plasma membrane depolarization by alpha interferon: biologic correlation with antiproliferative signal. Grimley PM, et al. **Biochem Biophys Res Commun** 1987 Jul 15; 146(1):300–6

Interferon inhibits preferentially the synthesis of proteins associated with growth stimulation of Swiss 3T3 mouse fibroblasts. Sundström S, et al. **Biochim Biophys Acta** 1987 Apr 29;908(3):275–84

Interferon decreases REM latency. Reite M, et al. **Biol Psychiatry** 1987 Jan;22(1):104–7

Modulation of the response to B–cell growth factor (BCGF) of hairy cells from a patient under IFN–alpha therapy [letter] Génot E, et al. **Blut** 1987 Jul;55(1):65–7

Recombinant human interferon alpha increases oestrogen receptor expression in human breast cancer cells (ZR–75–1) and sensitizes them to the anti–proliferative effects of tamoxifen. van den Berg HW, et al. **Br J Cancer** 1987 Mar; 55(3):255–7

Inhibition of antipyrine metabolism by interferon. Williams SJ, et al. **Br J Clin Pharmacol** 1986 Nov;22(5):610–2

Antitumor activity of new anthracycline analogues in combination with interferon alfa. Berens ME, et al. **Cancer Chemother Pharmacol** 1987;19(4):301–6

Direct antiproliferative effects of recombinant human interferon–alpha B/D hybrids on human tumor cell lines. Fidler IJ, et al. **Cancer Res** 1987 Apr 15;47(8):2020–7

Differential effects of recombinant human leukocyte interferons on cell surface antigen expression. Greiner JW, et al. **Cancer Res** 1986 Oct;46(10):4984–90

Effect of purified human interferon–alpha on the expression of differentiation antigens and mitogen reactivity of cultured human thymic cells. Diaz–Espada F, et al. **Cell Immunol** 1986 Jul;100(2):331–9

Treatment of resting T lymphocytes with interferon–alpha/beta augments their proliferative response to activation signals delivered through their surface Ly–6 antigen. Dumont FJ. **Cell Immunol** 1986 Sep;101(2):625–32

Effect of in vivo administration of prostaglandins and interferon on natural killer activity and on B–16 melanoma growth in mice. Garaci E, et al. **Cell Immunol** 1987 Apr 15;106(1):43–52

Influence of interferon on the functional expression of natural killer target structures of murine lymphoma cells. Marini S, et al. **Cell Immunol** 1986 Oct 1;102(1):113–25

Modulation of lymphocyte proliferation and immunoglobulin synthesis by interferon–gamma and "type I" interferons. Siegel DS, et al. **Cell Immunol** 1986 Sep;101(2):380–90

Effects of recombinant human interferon–gamma (Met–Gln form) on expression of Fc receptor and Ia–like antigen on human peripheral monocytes and lymphocytes: a comparative study with natural human interferon–alpha and –beta. Matsumoto S, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan;35(1):335–43

Characteristics of augmentation of cell–mediated cytotoxic activities by recombinant human interferon–gamma (Met–Gln form): a comparative study with natural human interferon–alpha and –beta. Matsumoto S, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov;34(11):4767–74

The induction of class I HLA by interferon–alpha is independent of the cell cycle, but the expression is enhanced by a G1/S block. Erusalimsky JD, et al. **Eur J Immunol** 1987 May;17(5):623–8

Recombinant human interferon alpha enhancement of retinoic–acid–induced differentiation of HL–60 cells. Kohlhepp EA, et al. **Exp Hematol** 1987 May;15(4):414–8

Suppression of normal human erythropoiesis by human recombinant DNA–produced alpha–2–interferon in vitro. Mamus SW, et al. **Exp Hematol** 1986 Dec;14(11):1015–22

Adenovirus infection reverses the antiviral state induced by human interferon. Feduchi E, et al. **FEBS Lett** 1987 Apr 6;214(1):153–7

Alpha–interferon and fragility at 16q22. A study on 15 selected controls and 146 selected patients. Shabtai F, et al. **Hum Genet** 1987 Jan;75(1):48–52

Lymphocytes modulated by beta interferon express new non–HLA–A,B,C class I antigens. Gazit E, et al. **Hum Immunol** 1987 Jan;18(1):53–63

Differential effects of beta– and gamma–interferons on natural killer cell–mediated lysis of lung carcinoma cells. Krishnamurti C, et al. **Immunobiology** 1987 Mar; 174(2):221–32

Differential expression of the HLA–B7 and the HLA–A2 gene in transfected mouse L(tk–) cells after stimulation by mouse interferon. Schmidt H, et al. **Immunobiology** 1987 Jan;174(1):51–66

Enhancing effect of alpha–interferon on the C2 synthesis by cultured human monocytes. Ujhelyi E, et al. **Immunol Lett** 1987 May;15(1):41–4

Interferon–alpha enhances the production of leukotriene B4 in murine peritoneal macrophages stimulated by opsonized zymosan. Ito M, et al. **Immunology** 1987 Apr;60(4):617–9

The effects of interferon on the recirculation of lymphocytes in the rat. Kimber I, et al. **Immunology** 1987 Apr; 60(4):585–91

In vitro effect of alpha–interferon on mononuclear cells of normal and autoimmune patients. Attallah AM, et al. **Int Arch Allergy Appl Immunol** 1987;83(1):77–82

Generation of mouse natural killer (NK) cell activity: effect of interleukin–2 (IL–2) and interferon (IFN) on the in vivo development of natural killer cells from bone marrow (BM) progenitor cells. Riccardi C, et al. **Int J Cancer** 1986 Oct 15;38(4):553–62

Human eosinophils and parasitic diseases—III. Beta–interferon increases eosinophil IgG–Fc receptor expression and capacity. De Simone C, et al. **Int J Immunopharmacol** 1986;8(5):479–85

Interferon alpha–2 enhances slow–wave sleep in rabbits. Krueger JM, et al. **Int J Immunopharmacol** 1987;9(1):23–30

In vitro effect of lymphoblastoid alpha–interferon on subpopulations of effector cells mediating cytotoxicity for autologous hepatocytes in hepatitis B and non–A, non–B. Mondelli MU, et al. **Int J Immunopharmacol** 1986; 8(8):887–91

Effect of interferon alpha, interferon beta, and interferon gamma on the in vitro growth of human renal adenocarcinoma cells. Kuebler JP, et al. **Invest New Drugs** 1987;5(1):21–9

Induction and suppression of glutathione transferases by interferon in the mouse. Adams DJ, et al. **J Biol Chem** 1987 Apr 5;262(10):4888–92

Interferons as gene activators. Characteristics of an interferon–activatable enhancer. Gribaudo G, et al. **J Biol Chem** 1987 Aug 25;262(24):11878–83

Mechanism of interferon action. Expression of vesicular stomatitis virus G gene in transfected COS cells is inhibited by interferon at the level of protein synthesis. Sahni G, et al. **J Biol Chem** 1986 Dec 15;261(35):16764–8

Serum protein masking of the thermal sensitivity of the antiviral activity of purified human beta interferon: implications for clinical studies. Cook AW, et al. **J Biol Response Mod** 1986 Dec;5(6):499–503

Different proteins are induced by alpha– and gamma–interferon in hairy cell leukemia. Samuels BL, et al. **J Biol Response Mod** 1987 Jun;6(3):268–74

Inhibition of fibroblast chemotaxis by recombinant human interferon gamma and interferon alpha. Adelmann–Grill BC, et al. **J Cell Physiol** 1987 Feb;130(2):270–5

Induction of major histocompatibility class I antigens by interferons in undifferentiated F9 cells. Wan YJ, et al. **J Cell Physiol** 1987 Feb;130(2):276–83

A recombinant human interferon–alpha B/D hybrid with a broad host–range. Horisberger MA, et al. **J Gen Virol** 1987 Mar;68 (Pt 3):945–8

Recombinant human interferon–gamma inhibits adenovirus multiplication in vitro. Mistchenko AS, et al. **J Gen Virol** 1987 Mar;68 (Pt 3):941–4

Infection of cultured murine brain cells by Semliki Forest virus: effects of interferon–alpha beta on viral replication, viral antigen display, major histocompatibility complex antigen display and lysis by cytotoxic T lymphocytes. Morris A, et al. **J Gen Virol** 1987 Jan;68 (Pt 1):99–106

Independent regulation of the antiviral states induced by MuIFN–alpha/beta and by MuIFN–gamma. Ramamurthy V, et al. **J Gen Virol** 1986 Oct;67 (Pt 10):2223–6

Study of the in vivo priming effect of interferon in mice. Rosztóczy I. **J Gen Virol** 1986 Dec;67 (Pt 12):2731–7

Selection and characterization of an interferon–responsive clonal cell line of HeLa cells. Sakuragi AL, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2355–64

Properties of natural and hybrid murine alpha interferons. Van Heuvel M, et al. **J Gen Virol** 1986 Oct;67 (Pt 10):2215–22

Enhancement of a human antibody response in vitro mediated by interaction of interferon–alpha with T lymphocytes. Evans SS, et al. **J Immunol** 1987 Apr 15;138(8):2451–6

Induction of macrophage Ia antigen expression by rIFN–gamma and down–regulation by IFN–alpha/beta and dexamethasone are mediated by changes in steady–state levels of Ia mRNA. Fertsch D, et al. **J Immunol** 1987 Jul 1;139(1):244–9

Differential effects of interferon–alpha and interferon–gamma on interleukin 1 secretion by monocytes. Gerrard TL, et al. **J Immunol** 1987 Apr 15;138(8):2535–40

Interaction between cytokines and 8–mercaptoguanosine in humoral immunity: synergy with interferon. Goodman MG. **J Immunol** 1987 Jul 1;139(1):142–6

Effect of interferon–alpha on immunoglobulin synthesis by human B cells. Peters M, et al. **J Immunol** 1986 Nov 15; 137(10):3153–7

Differential effects of type I IFN and IFN–gamma on the binding of tumor necrosis factor to receptors in two human cell lines. Tsujimoto M, et al. **J Immunol** 1986 Oct 1; 137(7):2272–6

Selective inhibition of 28S ribosomal RNA in macrophages activated by interferon–gamma or –beta. Varesio L, et al. **J Immunol** 1987 Apr 1;138(7):2332–7

Human nasal mucosal responses to topically applied recombinant leukocyte A interferon. Hayden FG, et al. **J Infect Dis** 1987 Jul;156(1):64–72

Time course of interferon levels, antiviral state, 2',5'–oligoadenylate synthetase and side effects in healthy men. Barouki FM, et al. **J Interferon Res** 1987 Feb; 7(1):29–39

Antiviral and antiproliferative activities of interferon–alpha 1: the role of cysteine residues. Beilharz MW, et al. **J Interferon Res** 1986 Dec;6(6):677–85

Nonidentical induction of the guanylate binding protein and the 56K protein by type I and type II interferons. Cheng YS, et al. **J Interferon Res** 1986 Aug;6(4):417–27

Direct and cell–mediated effects of interferon–alpha and –gamma on cells chronically infected with HTLV–III. Dolei A, et al. **J Interferon Res** 1986 Oct;6(5):543–9

Separation of human natural killer cell subpopulations differentially responsive to interferon potentiation. Edwards BS, et al. **J Interferon Res** 1986 Aug;6(4):361–72

Potency stability of recombinant (Serine–17) human interferon–beta. Geigert J, et al. **J Interferon Res** 1987 Apr; 7(2):203–11

Regulation of c–myc RNA and its proteins in Daudi cells by interferon–beta. Jonak GJ, et al. **J Interferon Res** 1987 Feb;7(1):41–52

Synergistic effects of HuIFN–gamma on 2',5'–oligoadenylate synthetase induction by HuIFN–alpha. Justesen J, et al. **J Interferon Res** 1986 Aug;6(4):445–54

Chromosomal localization of the interferon–inducible human gene encoding mRNA 561. Kusari J, et al. **J Interferon Res** 1987 Feb;7(1):53–9

Concomitant enhancement of a cytoskeleton–associated 76,000–dalton protein and inhibition of fluid–phase pinocytosis by interferon–alpha in Fujinami sarcoma virus–transformed rat 3Y1 cells. Lin SL, et al. **J Interferon Res** 1986 Oct;6(5):563–72

The effect of interferon treatment in rabies prophylaxis in immunocompetent, immunosuppressed, and immunodeficient mice. Marcovistz R, et al. **J Interferon Res** 1987 Feb;7(1):17–27

Characterization of an interferon–resistant mutant of the human breast cancer cell line BT–20. Marth C, et al. **J Interferon Res** 1987 Apr;7(2):195–202

Effects of recombinant interferon–alpha 2 treatment upon lipid concentrations and lipoprotein composition. Massaro ER, et al. **J Interferon Res** 1986 Dec;6(6):655–62

Effects of interferons–alpha, –beta, and –gamma on human interleukin–2 production. Rosztóczy I, et al. **J Interferon Res** 1986 Oct;6(5):581–9

Regulatory effects on macrophages of human recombinant interferons–alpha. Saiki I, et al. **J Interferon Res** 1986 Oct; 6(5):603–11

Treatment of murine interferon–alpha/beta–sensitive and –resistant friend leukemia cells with tumor necrosis factor in combination with murine interferon–alpha/beta or –gamma. Van der Heyden J, et al. **J Interferon Res** 1986 Dec;6(6):633–8

Effect of measles–virus infection and interferon treatment on invasiveness of Shigella flexneri in HEp2–cell cultures. Bukholm G, et al. **J Med Microbiol** 1986 Dec;22(4):335–41

Cortisol stimulation by recombinant interferon–alpha 2. Roosth J, et al. **J Neuroimmunol** 1986 Oct;12(4):311–6

Human non–malignant and malignant brain tumor derived cell cultures: proliferation and sensitivity to natural human fibroblast (beta) interferon. Cook AW, et al. **J Neurooncol** 1987;4(4):337–44

Synergistic anticellular and antiviral activities of human recombinant interferon–gamma and –beta. Gomi K, et al. **J Pharmacobiodyn** 1986 Nov;9(11):871–8

Effects of recombinant human interferons on rheumatoid arthritis B lymphocytes activated by Epstein–Barr virus. Lotz M, et al. **J Rheumatol** 1987 Feb;14(1):42–5

Inhibition of vesicular stomatitis viral mRNA synthesis by interferons. Belkowski LS, et al. **J Virol** 1987 Mar; 61(3):653–60

Identification of a nonproductive, cell–associated form of measles virus by its resistance to inhibition by recombinant human interferon. Carrigan DR, et al. **J Virol** 1987 Jun;

61(6):1919–26
Expression of interferon-inducible genes in RD–114 cells. Kusari J, et al. **J Virol** 1987 May;61(5):1524–31
Killer–helper effect of L cells in the generation of anti–MM cytotoxic T lymphocytes: replacement by beta–interferon and mechanisms of action. Ishikawa S, et al. **Jpn J Cancer Res** 1986 Sep;77(9):931–40
In vitro synergistic effects of natural human tumor necrosis factor and natural human interferon–alpha. Naomoto Y, et al. **Jpn J Cancer Res** 1987 Jan;78(1):87–92
Antitumor, antiviral and natural killer–inducing activities of human recombinant interferon–alpha in the guinea pig. Kataoka T, et al. **Jpn J Med Sci Biol** 1986 Apr;39(2):97–103
Recombinant interferon alpha 2 stimulation of target–binding by natural killer cells. Heidemann E, et al. **Klin Wochenschr** 1986 Oct 15;64(20):1036–40
Effects of interferon and retinoic acid on the growth and differentiation of clonogenic leukemic cells from acute myelogenous leukemia patients treated with recombinant leukocyte–alpha A interferon. Gallagher RE, et al. **Leuk Res** 1987;11(7):609–19
The effect of alpha–interferon, cyclosporine A, and radiation–induced immune suppression on morphine–induced hypothermia and tolerance. Dougherty PM, et al. **Life Sci** 1986 Dec 8;39(23):2191–7
Natural killer (NK) cell activity and its in vitro response to interferon–alpha(Le) in chronic liver diseases and hepatocellular carcinoma. Hirai N, et al. **Liver** 1986 Aug; 6(4):212–20
Recombinant interferons or interleukin–2 increase cytotoxicity by human monocytes and NK cells. Frey JR, et al. **Lymphokine Res** 1987 Summer;6(3):215–27
Sensitivity in vitro of herpes simplex virus isolates to human fibroblast interferon. Leventon–Kriss S, et al. **Med Microbiol Immunol (Berl)** 1987;176(3):151–9
Measurement of antagonistic effects of growth factors and interferons. Inglot AD, et al. **Methods Enzymol** 1986; 119:657–66
Selection and screening of transformed NIH3T3 cells for enhanced sensitivity to human interferons alpha and beta. Jung V, et al. **Methods Enzymol** 1986;119:597–611
Assay of effect of human interferons on tobacco protoplasts. Sela I. **Methods Enzymol** 1986;119:744–52
An adenovirus mutant unable to express VAI RNA displays different growth responses and sensitivity to interferon in various host cell lines. Kitajewski J, et al. **Mol Cell Biol** 1986 Dec;6(12):4493–8
Transcriptional analyses of interferon–inducible mRNAs. Kusari J, et al. **Mol Cell Biol** 1987 Jan;7(1):528–31
Regulation of synthesis and turnover of an interferon–inducible mRNA. Kusari J, et al. **Mol Cell Biol** 1986 Jun;6(6):2062–7
Transient response of amplified metallothionein genes in CHO cells to induction by alpha interferon. Morris S, et al. **Mol Cell Biol** 1987 Feb;7(2):600–5
Interferon–induced revertants of ras–transformed cells: resistance to transformation by specific oncogenes and retransformation by 5–azacytidine. Samid D, et al. **Mol Cell Biol** 1987 Jun;7(6):2196–200
Transcriptional activation of the mouse Mx gene by type I interferon. Staeheli P, et al. **Mol Cell Biol** 1986 Dec; 6(12):4770–4
Interferons increase transcription of a major histocompatibility class I gene via a 5'interferon consensus sequence. Sugita K, et al. **Mol Cell Biol** 1987 Jul; 7(7):2625–30
Effects of human interferon–alpha on UV–induced DNA–repair synthesis and cell killing. Suzuki N. **Mutat Res** 1986 Nov;175(3):189–93
Interferon enhanced natural killer function in Hodgkin's disease. Levy S, et al. **Nouv Rev Fr Hematol** 1986; 28(5):323–5
Modulation of tumor associated antigen expression and shedding by recombinant human leukocyte and fibroblast interferons. Greiner JW, et al. **Pharmacol Ther** 1985; 31(3):209–36
Loss of (2'–5')oligoadenylate synthetase activity by production of antisense RNA results in lack of protection by interferon from viral infections. De Benedetti A, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):658–62
Regulation of murine class I genes by interferons is controlled by regions located both 5' and 3' to the transcription initiation site. Korber B, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3380–4
Cytoskeletal association of human alpha–interferon–receptor complexes in interferon–sensitive and –resistant lymphoblastoid cells. Pfeffer LM, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3249–53
Interferon–induced transcription of a gene encoding a 15–kDa protein depends on an upstream enhancer element. Reich N, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(18):6394–8
Interferon gamma induces lung colonization by intravenously inoculated B16 melanoma cells in parallel with enhanced expression of class I major histocompatibility complex antigens. Taniguchi K, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3405–9
Rapid and transient rise in diacylglycerol concentration in Daudi cells exposed to interferon. Yap WH, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7765–9
Modulation of epidermal growth factor receptors by human alpha interferon. Zoon KC, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8226–30
Biological characteristics of interferon–r–induced resistant histiocytic lymphoma cell line U937. Ho CK, et al. **Proc Natl Sci Counc Repub China [B]** 1987 Apr;11(2):100–6
Inhibition of hepatitis delta virus (HDV) replication by lymphoblastoid human alpha interferon. Thomas HC, et al. **Prog Clin Biol Res** 1987;234:277–90
Preclinical biology of alpha interferons. Trotta PP. **Semin Oncol** 1986 Sep;13(3 Suppl 2):3–12 (59 ref.)
The use of differential staining of sister chromatid to estimate the in vitro effect of human alpha interferon on cell division in normal and tumour cells. Georgian L, et al. **Virologie** 1986 Oct–Dec;37(4):257–61
Recombinant human interferons inhibit replication of Mason–Pfizer monkey virus in primate cells. Chatterjee S, et al. **Virology** 1987 Apr;157(2):548–51
Inhibition of Epstein–Barr virus infection in vitro by recombinant human interferons alpha and gamma. Kure S, et al. **Virus Res** 1986 Sep;5(4):277–90
[Critical study of an assay of human leukocyte and lymphoblastoid interferon on MDBK cells, in microplaque, by the "dye uptake" method. I. Biological factors]Capellier M, et al. **Ann Pharm Fr** 1986;44(3):217–27 (Eng. Abstr.) **(Fre)**
[Inhibition of colony formation by a human tumor degenerating factor (TDF); enhancement of this effect by interferons] Imanishi J, et al. **C R Soc Biol (Paris)** 1986; 180(5):596–600 (Eng. Abstr.) **(Fre)**
[Anti–proliferative and antiviral effects of human alpha–interferon on tumor cells] Danielescu G, et al. **Virologie** 1987 Apr–Jun;38(2):83–93 (Eng. Abstr.) **(Fre)**
[Comparison of the effects of interferon of various types on the cytotoxic activity of NK cells] Dozono H, et al. **Gan No Rinsho** 1986 Oct;32(12):1557–60 (Eng. Abstr.) **(Jpn)**
[In vitro effect of native and recombinant human interferon–beta or –gamma on adenovirus infection, measured by enzyme immunoassay] Ito M. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1617–23 (Eng. Abstr.) **(Jpn)**
[Biochemical studies of inhibition by interferon (alpha + beta) in mouse liver regeneration after partial hepatectomy] Nishiguchi S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Jan;84(1):36–44 (Eng. Abstr.) **(Jpn)**
[Alpha interferon interaction with opiate receptors in the rat brain] Panchenko LF, et al. **Biull Eksp Biol Med** 1987 Jul; 104(7):87–9 (Eng. Abstr.) **(Rus)**
[Differences in the specificity of the protective effect of natural and recombinant interferons against mutagens] Iakubovskaia EL, et al. **Dokl Akad Nauk SSSR** 1987; 294(5):1240–2 **(Rus)**
[Effect of human interferon on the reproduction of plant and myxoviruses] Ogarkov VI, et al. **Izv Akad Nauk SSSR [Biol]** 1987 May–Jun;(3):341–5 (Eng. Abstr.) **(Rus)**
[Antiviral and antiproliferative activity of human fibroblast interferon fractions] Balandin IG, et al. **Mol Gen Mikrobiol Virusol** 1986 Dec;(12):44–8 (Eng. Abstr.) **(Rus)**
[The effect of natural and recombinant leukocyte interferons on DNA repair and the formation of chromosome aberrations induced by N–methyl–N'–nitro–N–nitrosoguanidine] Shvetsova TP, et al. **Mol Gen Mikrobiol Virusol** 1987 Apr;(4):39–43 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Interferon inhibition of DNA synthesis in Swiss 3T3 cells: dissociation from protein kinase C activation. Mehmet H, et al. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1026–32
The actions of interferon and antiinflammatory agents of induction of indoleamine 2,3–dioxygenase in human peripheral blood monocytes. Ozaki Y, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1147–53
Two domains in alpha interferons influence the efficacy of the antiviral response. Zwarthoff EC, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):47–55
Sensitivity of human germ–cell–tumor cell lines to human interferons. Sekiya S, et al. **Differentiation** 1987;33(3):266–9
Interferon–beta can induce the production of plasminogen activator by cultured human cancer cells. Karai M, et al. **Experientia** 1987 Apr 15;43(4):435–7
Interferon–alpha down–regulates insulin receptors in lymphoblastoid (Daudi) cells. Relationship to inhibition of cell proliferation. Pfeffer LM, et al. **J Biol Chem** 1987 Mar 15;262(8):3665–70
Treatment of mice with macrophage colony stimulating factor (CSF–1) prevents the in vivo myelosuppression induced by murine alpha, beta, and gamma interferons. Koren S, et al. **J Biol Response Mod** 1986 Oct;5(5):481–9
Mitogenic effect of double–stranded RNA in human fibroblasts: role of autogenous interferon. Vilček J, et al. **J Cell Physiol** 1987 Jan;130(1):37–43
Interferon blocks interleukin 1–induced prostaglandin release from human peripheral monocytes. Browning JL, et al. **J Immunol** 1987 May 1;138(9):2857–63
Correlation between the lipopolysaccharide response of mice and the capacity of mouse peritoneal cells to transfer an antiviral state. Role of endogenous interferon. Gessani S, et al. **J Immunol** 1987 Sep 15;139(6):1991–8
The role of interferon–beta 1 and the 26–kDa protein (interferon–beta 2) as mediators of the antiviral effect of interleukin 1 and tumor necrosis factor. Van Damme J, et al. **J Immunol** 1987 Sep 15;139(6):1867–72
Genetically determined resistance to lethal murine cytomegalovirus infection is mediated by interferon–dependent and –independent restriction of virus replication. Quinnan GV Jr, et al. **J Virol** 1987 Jun; 61(6):1875–81
Measurement of the effect of interferons on cellular differentiation in murine and human melanoma cells. Fisher PB, et al. **Methods Enzymol** 1986;119:611–8
Measurement of the effect of interferons on cellular differentiation of human skeletal muscle cells. Miranda AF, et al. **Methods Enzymol** 1986;119:619–28
Measurement of effect of interferons on cloning efficiency of primary tumor cells in culture. Salmon SE. **Methods Enzymol** 1986;119:635–42
Assay of effect of interferon on virus–induced cell fusion. Tomita Y, et al. **Methods Enzymol** 1986;119:702–6
Interferon modulation of c–myc expression in cloned Daudi cells: relationship to the phenotype of interferon resistance. Dron M, et al. **Mol Cell Biol** 1986 May;6(5):1374–8
A transcriptional enhancer and an interferon–responsive sequence in major histocompatibility complex class I genes. Vogel J, et al. **Mol Cell Biol** 1986 Oct;6(10):3550–4
Interferon–stimulated transcription: isolation of an inducible gene and identification of its regulatory region. Levy D, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):8929–33
Anti–beta–interferon antibodies inhibit the increased expression of HLA–B7 mRNA in tumor necrosis factor–treated human fibroblasts: structural studies of the beta 2 interferon involved. May LT, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):8957–61
Interferons regulate the in vitro differentiation of multilineage lympho–myeloid stem cells in hairy cell leukemia. Michalevicz R, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2307–11
[Effect of influenza virus type A and interferon on various pathogenetic factors in bronchial asthma] Jankowska R. **Pol Tyg Lek** 1986 Aug 25;41(34):1065–7 **(Pol)**

RADIATION EFFECTS

Radiation inactivation and target size analysis of interferons. Kempner ES, et al. **Methods Enzymol** 1986;119:255–60

STANDARDS

Development of interferon–specific monoclonal antibody for in vitro interferon assays. Meager A, et al. **Dev Biol Stand** 1986;64:237–48

THERAPEUTIC USE

Drugs recently released in Belgium. Digoxin antibodies, alpha–2b interferon, mesalazine. Harvengt C. **Acta Clin Belg** 1986;41(5):357–60
Bone marrow histological modifications induced by alpha interferon in hairy cell leukemia. Lambertenghi–Deliliers G, et al. **Acta Haematol (Basel)** 1987;77(4):203–7
Acute unidentified hepatitis in a hypogammaglobulinaemic patient on intravenous gammaglobulin successfully treated with interferon. Lockner D, et al. **Acta Med Scand** 1987; 221(4):413–5
2–5A synthetase activities in herpes virus infection and after interferon treatment. Mejer J, et al. **Adv Exp Med Biol** 1986;195 Pt B:689–92
Antiviral therapy. Smith RA, et al. **Adv Exp Med Biol** 1987; 209:297–304
Growth of astrocytomas in the human tumor clonogenic assay and sensitivity to mismatched dsRNA and interferons. Strayer DR, et al. **Am J Clin Oncol** 1987 Aug;10(4):281–4
Clinical and laboratory changes induced by alpha interferon in chronic lymphocytic leukemia—a pilot study. Talpaz M, et al. **Am J Hematol** 1987 Apr;24(4):341–50
Alpha interferon in the treatment of hematologic malignancies. Roth MS, et al. **Am J Med** 1986 Nov; 81(5):871–82 (134 ref.)
Interferon–alpha therapy of recurrent conjunctival papillomas. Lass JH, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 1):294–301
Interferon and T–cell lymphoma [letter] Alcalay J, et al. **Ann Intern Med** 1987 Sep;107(3):428
Clinical trials in hairy cell leukemia. Current status and future directions. Cheson BD, et al. **Ann Intern Med** 1987 Jun; 106(6):871–8 (71 ref.)
Adenine arabinoside monophosphate (vidarabine phosphate) in combination with human leukocyte interferon in the treatment of chronic hepatitis B. A randomized, double–blinded, placebo–controlled trial. Garcia G, et al. **Ann Intern Med** 1987 Sep;107(3):278–85
Use of recombinant bovine alpha 1 interferon in reducing respiratory disease induced by bovine herpesvirus type 1. Babiuk LA, et al. **Antimicrob Agents Chemother** 1987 May; 31(5):752–7
Interferon in the prevention of genital herpes recurrence. Eron LJ, et al. **Antimicrob Agents Chemother** 1986 Oct; 30(4):608–10
EMC virus infection in baboons as a model for studies on antiviral substances. Levin R, et al. **Antiviral Res** 1986 Aug; 6(5):277–83
Synergistic action of quercetin and murine alpha/beta interferon in the treatment of Mengo virus infection in mice. Veckenstedt A, et al. **Antiviral Res** 1987 Mar;

7(3):169–78
Recombinant interferon alfa–2b in plaque–phase mycosis fungoides. Intralesional and low–dose intramuscular therapy. Vonderheid EC, et al. **Arch Dermatol** 1987 Jun; 123(6):757–63
Treatment of patients with delta hepatitis using interferon [letter] Actis GC, et al. **Arch Intern Med** 1986 Oct; 146(10):2081
Systemic recombinant alpha–2 interferon therapy in relapsing multiple sclerosis. Camenga DL, et al. **Arch Neurol** 1986 Dec;43(12):1239–46
Intrathecally administered natural human fibroblast interferon reduces exacerbations of multiple sclerosis. Results of a multicenter, double–blind study. Jacobs L, et al. **Arch Neurol** 1987 Jun;44(6):589–95
Systemic alpha–interferon in multiple sclerosis. Long–term patient follow–up. Panitch HS. **Arch Neurol** 1987 Jan; 44(1):61–3
Enhanced production of gamma–interferon by therapy with parenteral OK–432 and alpha–interferon in patients with head and neck cancer. Sugiyama M, et al. **Arch Otorhinolaryngol** 1986;243(5):281–7
The evolving role of alpha interferon in the treatment of malignancies. Hersey P. **Aust NZ J Med** 1986 Jun; 16(3):425–37 (148 ref.)
Topical interferon cream for the treatment of herpes genitalis: a double–blind controlled trial. Batcheler LM, et al. **Aust NZ J Obstet Gynaecol** 1986 Aug;26(3):239–41
c–myc and c–fos expression during interferon–alpha therapy for hairy cell leukemia. Lehn P, et al. **Blood** 1986 Oct; 68(4):967–70
Durability of responses to interferon alfa–2b in advanced hairy cell leukemia. Ratain MJ, et al. **Blood** 1987 Mar; 69(3):872–7
In vivo induction of proteins during therapy of hairy cell leukemia with alpha–interferon. Samuels BL, et al. **Blood** 1987 Jun;69(6):1570–3
Clinical investigation of human alpha interferon in chronic myelogenous leukemia. Talpaz M, et al. **Blood** 1987 May; 69(5):1280–8
Molecular analysis of interferon–induced suppression of Philadelphia chromosome in patients with chronic myeloid leukemia. Yoffe G, et al. **Blood** 1987 Mar;69(3):961–3
Immunohistochemical evaluation of bone marrow involvement in hairy cell leukemia during interferon therapy. Soligo D, et al. **Blut** 1987 Aug;55(2):121–6
Similar biological effects of different low doses of interferon alpha in cancer patients. Billard C, et al. **Br J Cancer** 1987 Jun;55(6):677–9
Chlorambucil and interferon for low grade non–Hodgkin's lymphoma. Rohatiner AZ, et al. **Br J Cancer** 1987 Feb; 55(2):225–6
Platelet acquired defect in PDGF and beta thromboglobulin content in hairy cell leukaemia: improvement after interferon therapy. Dupuy E, et al. **Br J Haematol** 1987 Jan;65(1):107–10
Alpha–interferon in myelodysplasia [letter] Galvani DW, et al. **Br J Haematol** 1987 May;66(1):145–6
Interferon response in B–cell prolymphocytic leukemia [letter] Jacobs P, et al. **Br J Haematol** 1987 Mar;65(3):375–6
Alpha 2 interferon in chronic myeloid leukaemia following relapse post–allogeneic transplant [letter] Newland AC, et al. **Br J Haematol** 1987 May;66(1):141–3
Alpha interferons in B–cell neoplasms. Quesada JR, et al. **Br J Haematol** 1986 Dec;64(4):639–46 (49 ref.)
Chronic myelogenous leukaemia: haematological remissions with alpha interferon. Talpaz M, et al. **Br J Haematol** 1986 Sep;64(1):87–95
The effect of interferon on human papillomaviruses associated with cervical intraepithelial neoplasia. Byrne MA, et al. **Br J Obstet Gynaecol** 1986 Nov;93(11):1136–44
Interferons in the treatment of multiple myeloma. Cooper MR, et al. **Cancer** 1987 Feb 1;59(3 Suppl):594–600
Recombinant leukocyte A interferon (rIFN–alpha A) in the treatment of disseminated malignant melanoma. Analysis of complete and long–term responding patients. Creagan ET, et al. **Cancer** 1986 Dec 15;58(12):2576–8
Interferon therapy of non–Hodgkin's lymphoma. Foon KA, et al. **Cancer** 1987 Feb 1;59(3 Suppl):601–4
Interferon in renal cell carcinoma. The UCLA experience. Sarna G, et al. **Cancer** 1987 Feb 1;59(3 Suppl):610–2
Clinical overview of alpha interferon. Studies and future directions. Spiegel RJ. **Cancer** 1987 Feb 1;59(3 Suppl):626–31 (51 ref.)
Recombinant interferon beta and gamma in the treatment of adult T–cell leukemia. Tamura K, et al. **Cancer** 1987 Mar 15;59(6):1059–62
Interferon in the treatment of hairy cell leukemia. Thompson JA, et al. **Cancer** 1987 Feb 1;59(3 Suppl):605–9
Flow cytometry in hairy cell leukemia before and during interferon alfa–2b therapy. Vokes EE, et al. **Cancer** 1987 Jun 15;59(12):1987–91
Treatment of Kaposi's sarcoma with interferon alfa–2b (Intron A). Volberding PA, et al. **Cancer** 1987 Feb 1;59(3 Suppl):620–5
Use of interferon in the treatment of ovarian cancer as a single agent and in combination with cytotoxic drugs. Welander CE. **Cancer** 1987 Feb 1;59(3 Suppl):617–9
A phase II study of human rDNA alpha–2 interferon in patients with low grade non–Hodgkin's lymphoma. Wagstaff J, et al. **Cancer Chemother Pharmacol** 1986; 18(1):54–8
Can recombinant human alpha–2 interferon prevent recurrence of high–grade superficial bladder tumors? Grups JW, et al. **Cancer Detect Prev** 1987;10(5–6):405–9
Influence of alpha–interferon therapy on blood lymphoid cells. Studies on antibody production, mixed lymphocyte culture response, mitogen responsiveness and 2'–5'oligoadenylate synthetase activity. Einhorn S, et al. **Cancer Immunol Immunother** 1987;24(3):190–6
Growth inhibition of human osteosarcomas in nude mice by human interferon–alpha: significance of dose and tumor differentiation. Brosjö O, et al. **Cancer Res** 1987 Jan 1; 47(1):258–62
Phase I study of recombinant beta–interferon given by four–hour infusion. Grunberg SM, et al. **Cancer Res** 1987 Feb 15;47(4):1174–8
Phase I/II trial of human recombinant beta–interferon serine in patients with renal cell carcinoma. Rinehart J, et al. **Cancer Res** 1986 Oct;46(10):5364–7
Phase I/II trial of interferon–beta–serine in patients with renal cell carcinoma: immunological and biological effects. Rinehart JJ, et al. **Cancer Res** 1987 May 1;47(9):2481–5
Phase II study of recombinant alfa–2a interferon in patients with advanced bone sarcomas. Edmonson JH, et al. **Cancer Treat Rep** 1987 Jul–Aug;71(7–8):747–8
Treatment of malignant endocrine pancreatic tumors with human leukocyte interferon. Eriksson B, et al. **Cancer Treat Rep** 1987 Jan;71(1):31–7
High–dose human lymphoblastoid interferon in metastatic colorectal cancer: clinical results and modification of biological responses. Krown SE, et al. **Cancer Treat Rep** 1987 Jan;71(1):39–45
Treatment of malignant carcinoid tumors with human leukocyte interferon: long–term results. Oberg K, et al. **Cancer Treat Rep** 1986 Nov;70(11):1297–304
Phase I study of recombinant beta ser 17 interferon in the treatment of cancer. Sarna G, et al. **Cancer Treat Rep** 1986 Dec;70(12):1365–72
High–dose lymphoblastoid interferon in advanced renal cell carcinoma: an Eastern Cooperative Oncology Group Study. Trump DL, et al. **Cancer Treat Rep** 1987 Feb; 71(2):165–9
Anti–inflammatory activity of IFN–beta in carrageenan–induced pleurisy in the mouse. Ghiara P, et al. **Clin Exp Immunol** 1986 Dec;66(3):606–14
Reduction of immunoglobulin G secretion in vitro following long term lymphoblastoid interferon (Wellferon) treatment in multiple sclerosis patients. O'Gorman MR, et al. **Clin Exp Immunol** 1987 Jan;67(1):66–75
Results of treatment with alpha–interferon in adult–onset laryngeal papillomatosis. Schuurman AM, et al. **Clin Otolaryngol** 1986 Dec;11(6):447–53
Human leukocyte interferon in the treatment of rheumatoid arthritis. Peddinani MV, et al. **Clin Ther** 1986;9(1):39–43
The potency of interferon–alpha 2 and interferon–gamma in a combination therapy of dendritic keratitis. A controlled clinical study. Sundmacher R, et al. **Curr Eye Res** 1987 Jan;6(1):273–6
Reevaluation of human alpha interferons against herpesvirus infection of the rabbit eye. Trousdale MD, et al. **Curr Eye Res** 1987 Jan;6(1):269–72
Parenteral interferon–alpha treatment of psoriasis. Neumann R, et al. **Dermatologica** 1987;175(1):23–8
Augmentation of natural immunity and correlation with tumor response in melanoma patients treated with human lymphoblastoid interferon. Neefe JR, et al. **Diagn Immunol** 1986;4(6):299–305
Natural killer response to exogenous interferon in delta hepatitis: boost or depression defined within the first week of therapy. Actis GC, et al. **Digestion** 1987;37(1):51–8
Virus–associated receptors for polymerized human serum albumin (RpHSA) in patients with chronic active hepatitis B treated with recombinant leukocyte A interferon. Gerken G, et al. **Digestion** 1987;37(2):96–102
Treatment of hairy–cell leukemia with recombinant alpha 2–interferon. Berneman ZN, et al. **Eur J Cancer Clin Oncol** 1986 Aug;22(8):987–90
Recombinant interferon alfa–2C versus polychemotherapy (VMCP) for treatment of multiple myeloma: a prospective randomized trial. Ludwig H, et al. **Eur J Cancer Clin Oncol** 1986 Sep;22(9):1111–6
Recombinant leukocyte A interferon and cimetidine treatment in disseminated melanoma [letter] Pehamberger H, et al. **Eur J Cancer Clin Oncol** 1986 Nov;22(11):1407–11
Long–term intramuscular recombinant DNA interferon alpha 2 therapy in subacute sclerosing panencephalitis: reduction of serum measles antibodies without clinical improvement. Crols R, et al. **Eur Neurol** 1987;27(2):72–7
Improvement of proteinuria in a case of hepatitis B–associated glomerulonephritis after treatment with interferon. Mizushima N, et al. **Gastroenterology** 1987 Feb; 92(2):524–6
Intralesional interferon alpha–2b in treating refractory meatal and anal warts [letter] Petersen CS, et al. **Genitourin Med** 1987 Jun;63(3):217
Randomised controlled trial of lymphoblastoid interferon for chronic active hepatitis B. Anderson MG, et al. **Gut** 1987 May;28(5):619–22
Bone marrow histology in patients with hairy cell leukemia (HCL) treated by human lymphoblastoid interferon. Coci A, et al. **Haematologica (Pavia)** 1987 Mar–Apr;72(2):143–9
Recombinant alpha–2a interferon (alpha–IFN) in the treatment of essential thrombocythaemia. Preliminary report. Gugliotta L, et al. **Haematologica (Pavia)** 1987 May–Jun;72(3):277–9
Natural killer cell function in cancer patients treated with natural leukocyte interferon–alpha [corrected and republished article originally printed in Hawaii Med J 1986 Aug;45(8):276–8, 291; additional published erratum appears in Hawaii Med J 1987 Mar;46(3):79] Ching C, et al. **Hawaii Med J** 1986 Nov;45(11):394–8, 408
The effect of recombinant alpha–interferon treatment on serum levels of hepatitis B virus–encoded proteins in man. Hess G, et al. **Hepatology** 1987 Jul–Aug;7(4):704–8
Diminished responsiveness of male homosexual chronic hepatitis B virus carriers with HTLV–III antibodies to recombinant alpha–interferon. McDonald JA, et al. **Hepatology** 1987 Jul–Aug;7(4):719–23
Hepatic inclusions during interferon therapy in chronic viral hepatitis. Schaff Z, et al. **Hepatology** 1986 Sep–Oct; 6(5):966–70
Modification of hepatitis B virus infection by recombinant leukocyte alpha A interferon. Hess G, et al. **Immunobiology** 1986 Sep;172(3–5):255–61
Alpha interferons in the treatment of hairy cell leukemia. Quesada JR. **Immunobiology** 1986 Sep;172(3–5):250–4
Treatment of metastatic malignant melanoma with recombinant interferon alpha 2. Robinson WA, et al. **Immunobiology** 1986 Sep;172(3–5):275–82
A review of the efficacy of adenine arabinoside and lymphoblastoid interferon in the Royal Free Hospital studies of hepatitis B virus carrier treatment: identification of factors influencing response rates. Thomas HC, et al. **Infection** 1987;15 Suppl 1:S26–31 (37 ref.)
Immunotherapy in a case of AIDS with Kaposi's sarcoma—an unsuccessful attempt with recombinant alpha–2 interferon followed by isoprinosine. Roupe G, et al. **Int Arch Allergy Appl Immunol** 1987;82(1):17–9
Anti–tumor effects of interferon in mice injected with interferon–sensitive and interferon–resistant Friend leukemia cells. V. Comparisons with the action of tumor necrosis factor. Gresser I, et al. **Int J Cancer** 1986 Nov 15;38(5):771–8
Interferon alfa–2a in cancer therapy. Proceedings of an official satellite symposium to the 14 International UICC Cancer Congress. Budapest, Hungary, 22 August 1986. **Int J Cancer [Suppl]** 1987;1:1–45
Recombinant interferon alfa–2a, an active agent in advanced cutaneous T–cell lymphomas. Bunn PA Jr, et al. **Int J Cancer [Suppl]** 1987;1:9–13
Further experience with recombinant interferon alfa–2a with vinblastine in metastatic renal cell carcinoma: a progress report. Fossá SD, et al. **Int J Cancer [Suppl]** 1987;1:36–40
Management of cancer patients receiving interferon alfa–2a. Gauci L. **Int J Cancer [Suppl]** 1987;1:21–30
Recombinant interferon alfa–2a in advanced malignant melanoma. A phase I–II study in combination with DTIC. McLeod GR, et al. **Int J Cancer [Suppl]** 1987;1:31–5
Alpha–interferon in hairy cell leukaemia: direct effects on hairy cells or indirect cytotoxicity? Sigaux F, et al. **Int J Cancer [Suppl]** 1987;1:2–8
Two randomised phase II trials of intermittent intravenous versus subcutaneous alpha–2 interferon alone (trial 1) and in combination with 5–fluorouracil (trial 2) in advanced colorectal cancer. Clark PI, et al. **Int J Color Dis** 1987 Feb;2(1):26–9
Single injection of three different preparations of alpha–interferon modifies morphine abstinence signs for a prolonged period. Dafny N, et al. **Int J Neurosci** 1987 Feb; 32(3–4):953–61
Enhancement of radiation effects by alpha interferon in the treatment of small cell carcinoma of the lung. Holsti LR, et al. **Int J Radiat Oncol Biol Phys** 1987 Aug;13(8):1161–6
Phase I combined modality clinical trial of alpha–2–interferon and radiotherapy. Torrisi J, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1453–6
Papers presented at a symposium on interferons in oncology. Budapest, 26th August, 1986. **Invest New Drugs** 1987;5 Suppl:S1–77
Interferon alfa–2b in the treatment of chronic granulocytic leukemia. Bergsagel DE, et al. **Invest New Drugs** 1987;5 Suppl:S9–17
Alpha interferon: a look to the future. Bonnem EM. **Invest New Drugs** 1987;5 Suppl:S65–75 (62 ref.)
Interferon alfa–2b and chlorambucil in the treatment of non–Hodgkin's lymphoma. Chisesi T, et al. **Invest New Drugs** 1987;5 Suppl:S35–40
Interferon alfa–2b/melphalan/prednisone in previously untreated patients with multiple myeloma: a phase I–II trial. Cooper MR, et al. **Invest New Drugs** 1987;5 Suppl:S41–6
Treatment of metastatic malignant melanoma with recombinant interferon alfa–2b. Dorval T, et al. **Invest New Drugs** 1987;5 Suppl:S61–3
Treatment of chronic myelogenous leukemia with recombinant interferon alfa–2b. Niederle N, et al. **Invest New Drugs** 1987;5 Suppl:S19–25
Combination trial of subcutaneous interferon alfa–2b and oral cyclophosphamide in favorable histology, non–Hodgkin's lymphoma. Ozer H, et al. **Invest New Drugs** 1987;5 Suppl:S27–33
The treatment of hairy cell leukemia with recombinant alfa interferon: a multi–institutional study. Thompson JA, et al. **Invest New Drugs** 1987;5 Suppl:S5–8
Overview of preclinical and clinical studies of interferon alfa–2b in combination with cytotoxic drugs. Welander CE.

Invest New Drugs 1987;5 Suppl:S47–59 (30 ref.)
Recombinant alpha interferons 1986: a review. Lindquist DL, et al. **Iowa Med** 1987 Jan;77(1):32, 34, 36
Interferon in the treatment of progressive hairy cell leukaemia. Dunne F, et al. **Ir Med J** 1987 Mar;80(3):91–3
Treatment of recurrent genital herpes with topical alpha interferon gel combined with nonoxynol 9. Friedman–Kien AE, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):989–94
Treatment of basal cell carcinoma with intralesional interferon. Greenway HT, et al. **J Am Acad Dermatol** 1986 Sep;15(3):437–43
Prevention of viral myocarditis with recombinant human leukocyte interferon alpha A/D in a murine model. Matsumori A, et al. **J Am Coll Cardiol** 1987 Jun;9(6):1320–5
Combination of fibroblast interferon (HuIFN beta), carboxamide (DTIC), and cimetidine for advanced malignant melanoma. Abdi EA, et al. **J Biol Response Mod** 1986 Oct;5(5):423–8
Phase I study of recombinant human interferon beta in patients with advanced cancer. Hu E, et al. **J Biol Response Mod** 1987 Apr;6(2):121–9
Phase II study of betaseron (beta ser17–interferon) as treatment of advanced malignant melanoma. Sarna GP, et al. **J Biol Response Mod** 1987 Aug;6(4):375–8
Phase II trial of recombinant leukocyte A interferon in advanced malignant melanoma. Elsässer–Beile U, et al. **J Cancer Res Clin Oncol** 1987;113(3):273–8
Comparison of the effects of three different treatment regimens of recombinant interferons (r–IFN alpha, r–IFN gamma, and r–IFN alpha + cimetidine) in disseminated malignant melanoma. Steiner A, et al. **J Cancer Res Clin Oncol** 1987;113(5):459–65
The capacity of blood lymphoid cells to produce alpha– and gamma–interferon is decreased during alpha–interferon therapy. Einhorn S, et al. **J Clin Lab Immunol** 1987 May; 23(1):35–8
Phase II study of interferon alfa–2a, recombinant (Roferon–A) in metastatic renal cell carcinoma. Buzaid AC, et al. **J Clin Oncol** 1987 Jul;5(7):1083–9
Clinical evaluation of recombinant interferon alfa–2a (Roferon–A) in metastatic melanoma using two different schedules [corrected; erratum to be published] Legha SS, et al. **J Clin Oncol** 1987 Aug;5(8):1240–6
Recombinant alfa interferon in renal cell carcinoma: a randomized trial of two routes of administration. Muss HB, et al. **J Clin Oncol** 1987 Feb;5(2):286–91
T–cell subsets and NCI (nuclear contour index) of their skin infiltrates in mycosis fungoides (MF)—a comparison of pre–and post–treatments using ACNU [1–(4–amino–2 methyl–5–pyrimidinyl)–methyl–3–(2–chloroethyl–3–nitrosourea)] and interferon alpha and the effectiveness of interferon alpha on Sézary cells in vitro. Zhang KG, et al. **J Dermatol (Tokyo)** 1987 Apr;14(2):150–7
Natural killer cells are not required for interferon–mediated prophylaxis against vaccinia or murine cytomegalovirus infections. Bukowski JF, et al. **J Gen Virol** 1987 Aug;68 (Pt 8):2219–22
A controlled trial of 6 months thrice weekly lymphoblastoid interferon versus no therapy in chronic hepatitis B virus infection. A preliminary analysis of the first 32 patients. Alexander GJ, et al. **J Hepatol** 1986;3 Suppl 2:S183–8
Randomised controlled trial of lymphoblastoid interferon for chronic active hepatitis B. Anderson MG, et al. **J Hepatol** 1986;3 Suppl 2:S225–7
A randomised controlled trial with human lymphoblastoid interferon vs no treatment in chronic hepatitis B virus infection. Preliminary results. Barbara L, et al. **J Hepatol** 1986;3 Suppl 2:S235–8
Recombinant leucocyte interferon treatment of chronic hepatitis B. An analysis of two therapeutic trials. Dusheiko GM, et al. **J Hepatol** 1986;3 Suppl 2:S199–207
Effect of 28 consecutive days lymphoblastoid interferon (alpha–IFN) administration on hepatitis B virus related chronic liver disease. Franco A, et al. **J Hepatol** 1986;3 Suppl 2:S239–43
An open study of human lymphoblastoid interferon and oral acyclovir in chronic hepatitis B virus infection. Guarascio P, et al. **J Hepatol** 1986;3 Suppl 2:S149–53
Treatment of hepatitis B surface antigen (HBsAg)–positive chronic hepatitis with recombinant leucocyte alpha–A interferon. Hess G, et al. **J Hepatol** 1986;3 Suppl 2:S245–51
Interferon therapy of chronic hepatitis B virus infection in Chinese. Lok AS, et al. **J Hepatol** 1986;3 Suppl 2:S209–15
Changes of hepatitis B virus (HBV) markers during prolonged recombinant interferon alpha–2A treatment of chronic HBV infection. Mora I, et al. **J Hepatol** 1987 Feb; 4(1):29–36
Immune effects of alpha–interferon in chronic liver disease. Peters M, et al. **J Hepatol** 1986;3 Suppl 2:S283–9
Treatment of chronic delta hepatitis with alpha–2 recombinant interferon. Rizzetto M, et al. **J Hepatol** 1986; 3 Suppl 2:S229–33
Acyclovir, oral, intravenous and combined with interferon for chronic HBeAg–positive hepatitis. Schalm SW, et al. **J Hepatol** 1986;3 Suppl 2:S137–41
Lymphoblastoid alpha–interferon weekly, daily and combined with acyclovir for chronic HBeAg–positive hepatitis. Schalm SW, et al. **J Hepatol** 1986;3 Suppl 2:S189–92
Identification of factors influencing response rate to antiviral therapy of chronic hepatitis B virus infection. A review of the efficacy of adenine arabinoside and lymphoblastoid interferon in the Royal Free Hospital studies. Scully LJ, et al. **J Hepatol** 1986;3 Suppl 2:S291–9
Lymphoblastoid and recombinant alpha–A interferon therapy of chronic hepatitis B virus infection. The Royal Free Hospital experience. Thomas HC, et al. **J Hepatol** 1986;3 Suppl 2:S193–7
Synergistic antitumor effect of interferon and anti–idiotype monoclonal antibody in murine lymphoma. Basham TY, et al. **J Immunol** 1986 Nov 1;137(9):3019–24
Immunologic effects of interferon–alpha in man: treatment with human recombinant interferon–alpha suppresses in vitro immunoglobulin production in patients with chronic type B hepatitis. Peters M, et al. **J Immunol** 1986 Nov 15; 137(10):3147–52
Hemorrhagic fever with renal syndrome: treatment with recombinant alpha interferon. Gui XE, et al. **J Infect Dis** 1987 May;155(5):1047–51
Effect of 9–(1,3–dihydroxy–2–propoxymethyl)guanine and recombinant human beta interferon alone and in combination on simian varicella virus infection in monkeys. Soike KF, et al. **J Infect Dis** 1987 Oct;156(4):607–14
Antiviral and antitumor effects of a human interferon analog, IFN–alpha Con 1, assessed in hamsters. Altrock BW, et al. **J Interferon Res** 1986 Aug;6(4):405–15
Recombinant human interferon–alpha A treatment of an experimental cutaneous herpes simplex virus type 1 infection of guinea pigs. Freeman DJ, et al. **J Interferon Res** 1987 Apr;7(2):213–22
2',5'–Oligoadenylate synthetase activity in peripheral blood lymphocytes as a clinical marker in interferon therapy for chronic hepatitis B. Furuta M, et al. **J Interferon Res** 1987 Feb;7(1):111–9
Antitumor effect of recombinant murine interferon–beta against mouse malignant glioma. Kuroki M, et al. **J Interferon Res** 1987 Jun;7(3):301–11
Modification of luminol–dependent chemiluminescence reactivity of peripheral blood leukocytes from patients with lymphoreticular tumor, solid cancer, or healthy blood donors by interferon–alpha. Müller S, et al. **J Interferon Res** 1987 Feb;7(1):1–15
Persistence of free HBV DNA in body secretions and liver despite loss of serum HBV DNA after interferon–induced seroconversion. Fagan EA, et al. **J Med Virol** 1986 Oct; 20(2):183–8
Oligoclonal "fingerprint" of CSF IgG in multiple sclerosis patients is not modified following intrathecal administration of natural beta–interferon. Confavreux C, et al. **J Neurol Neurosurg Psychiatry** 1986 Nov;49(11):1308–12
Antitumor effect of human recombinant interferon–gamma and –beta against human osteosarcoma transplanted into nude mice. Gomi K, et al. **J Pharmacobiodyn** 1986 Nov; 9(11):879–88
Interferon–beta treatment of metastatic prostate cancer. Bulbul MA, et al. **J Surg Oncol** 1986 Dec;33(4):231–3
Remarkable responses of metastatic renal cell cancer in multiple organs treated with alpha–interferon. Takita T, et al. **J Urol** 1986 Nov;136(5):1061–2
Corticosteroid–interferon therapy for hepatitis B characterized as 'potentially exciting' so far [news] Kirn TF. **JAMA** 1987 Jul 24–31;258(4):427, 432
Inhibitory effect of murine recombinant interferon (beta) on the pulmonary metastasis of B–16 melanoma. Sakurai M, et al. **Jpn J Cancer Res** 1986 Aug;77(8):774–81
Experimental studies on the combined effects of alpha and gamma interferons against human tumor xenografts transplanted into nude mice. Nosoh Y, et al. **Jpn J Surg** 1987 May;17(3):168–73
Natural IFN–alpha therapy in hairy–cell leukaemia (namalva–type IFN—Wellferon). Worman CP, et al. **Klin Wochenschr** 1987 Jul 15;65(14):685–7
Loss of HBsAg with interferon therapy in chronic hepatitis B virus infection. Alexander GJ, et al. **Lancet** 1987 Jul 11;2(8550):66–9
Treatment of malignant endocrine pancreatic tumours with human leucocyte interferon [letter] Anderson JV, et al. **Lancet** 1987 Jan 10;1(8524):97
Treatment of malignant endocrine pancreatic tumours with human leucocyte interferon. Eriksson B, et al. **Lancet** 1986 Dec 6;2(8519):1307–9
Alpha–interferon therapy for non–A, non–B hepatitis transmitted by gammaglobulin replacement therapy. Thomson BJ, et al. **Lancet** 1987 Mar 7;1(8532):539–41
A case of CD4+/CD8– adult T–cell leukemia with good response to interferon–beta terminating as a CD4+/CD8+ adult T–cell lymphoma. Tamura K, et al. **Leuk Res** 1987; 11(7):665–8
Animal models for investigating antitumor effects of interferon. Balkwill FR. **Methods Enzymol** 1986;119:649–57
Interferon therapy for condylomata acuminata. Eron LJ, et al. **N Engl J Med** 1986 Oct 23;315(17):1059–64
Membranoproliferative glomerulonephritis in a patient with hairy–cell leukemia treated with alpha–II interferon [letter] Herrman J, et al. **N Engl J Med** 1987 Jan 8;316(2):112–3
Treatment of chronic non–A,non–B hepatitis with recombinant human alpha interferon. A preliminary report. Hoofnagle JH, et al. **N Engl J Med** 1986 Dec 18; 315(25):1575–8
Alpha interferon clinical trial for multiple sclerosis: design considerations. Alter M, et al. **Neuroepidemiology** 1987; 6(1–2):85–92
Interactions of human fibroblast interferon with chemotherapeutic agents and radiation against human gliomas in nude mice. Nakamura O, et al. **Neurol Res** 1986 Sep;8(3):152–6
Interferon treatment of experimental Ross River virus polymyositis. Seay AR, et al. **Neurology** 1987 Jul; 37(7):1189–93
Alpha interferon therapy in hematologic malignancies. Keegan P, et al. **NJ Med** 1987 Feb;84(2):125–8
Interferon alpha in the treatment of AIDS–associated Kaposi's sarcoma. Kern P, et al. **Onkologie** 1987 Feb; 10(1):50–2
The inhibition of endotoxin–induced local inflammation by LDH virus or LDH virus–infected tumors is mediated by interferon. Heremans H, et al. **Proc Soc Exp Biol Med** 1987 May;185(1):6–15
Natural killer cell function during interferon treatment of delta hepatitis. Actis GC, et al. **Prog Clin Biol Res** 1987; 234:305–8
Treatment of chronic delta hepatitis with recombinant human alpha interferon. Hoofnagle J, et al. **Prog Clin Biol Res** 1987;234:291–8
Alpha 2 recombinant interferon in the treatment of chronic hepatitis delta virus (HDV) hepatitis. Rosina F, et al. **Prog Clin Biol Res** 1987;234:299–303
The effect of alpha and gamma–interferon on proliferation and production of IgE and beta 2–microglobulin in the human myeloma cell line U–266 and in an alpha–interferon resistant U–266 subline. Brenning G, et al. **Scand J Haematol** 1986 Oct;37(4):280–8
Alpha interferon therapy in oncology: clinical update. Proceedings of a symposium. April 11–12, 1986, Johns Island, South Carolina. **Semin Oncol** 1986 Sep;13(3 Suppl 2):1–101
Alpha interferon therapy of AIDS–associated Kaposi's sarcoma. Abrams DI, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 2):43–7
Alpha interferon therapy of AIDS–associated Kaposi's sarcoma. Abrams DI, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 2):43–7
Interferon alfa–2b in the treatment of chronic granulocytic leukemia. Bergsagel DE, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 2):29–34
Interferons in the treatment of multiple myeloma. Cooper MR. **Semin Oncol** 1986 Sep;13(3 Suppl 2):13–20
The use of interferon in the treatment of multiple myeloma. Costanzi JJ, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 2):24–8
Alpha interferon treatment of low–grade B–cell non–Hodgkin's lymphomas, cutaneous T–cell lymphomas, and chronic lymphocytic leukemia. Foon KA, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 2):35–42 (43 ref.)
Alpha–interferon treatment of cutaneous T cell lymphoma and chronic lymphocytic leukemia. Foon KA, et al. **Semin Oncol** 1986 Dec;13(4 Suppl 5):35–9
Sequential evaluation of alpha–2b–interferon treatment in 128 patients with hairy cell leukemia. Golomb HM, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 2):13–7
Hairy cell leukemia: a model for studying the B cell family of diseases. Al–Katib A, et al. **Semin Oncol** 1986 Dec;13(4 Suppl 5):48–54
Potential applications of the interferons in oncology: lessons drawn from studies of human melanoma. Kirkwood JM, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 2):48–56 (61 ref.)
Alfa–2b interferon in the treatment of Hodgkin's disease and non–Hodgkin's lymphoma. Leavitt RD, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 2):18–23
Interferon therapy for renal cell carcinoma. Muss HB. **Semin Oncol** 1987 Jun;14(2 Suppl 2):36–42
Interferon alfa–2b in the treatment of chronic myelogenous leukemia. Niederle N, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 2):29–35
The role of interferon in the treatment of hairy cell leukemia. Ratain MJ, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 2):21–8 (46 ref.)
The alpha interferons: clinical overview. Spiegel RJ. **Semin Oncol** 1987 Jun;14(2 Suppl 2):1–12 (61 ref.)
Intron A (interferon alfa–2b): clinical overview and future directions. Spiegel RJ. **Semin Oncol** 1986 Sep;13(3 Suppl 2):89–101 (57 ref.)
The combined use of interferon and radiotherapy in cancer management. Torrisi J, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 2):78–83
Superficial carcinoma of the bladder: natural history and the role of interferons. Torti FM, et al. **Semin Oncol** 1986 Sep; 13(3 Suppl 2):57–60 (25 ref.)
Alpha–interferon in the treatment of nodular lymphomas. Urba WJ, et al. **Semin Oncol** 1986 Dec;13(4 Suppl 5):40–7 (37 ref.)
Sequential treatment with interferon and chemotherapy of metastatic malignant melanoma. Total remission of cutaneous and visceral metastasis, but not of cerebral metastasis. Sulis E, et al. **Tumori** 1987 Feb 28;73(1):55–8
Effect of human alpha–hybrid interferon on the course of feline viral rhinotracheitis. Cocker FM, et al. **Vet Rec** 1987 Apr 18;120(16):391–3
Restoration of adriamycin and vincristine dependent tumoricidal activity by interferon in mice with implanted tumor cells. Lee WY, et al. **Yonsei Med J** 1987;28(2):91–7
The prophylactic effects of E. coli–derived bovine interferon alpha I1 on bovine virus diarrhoea virus disease in calves after intramuscular administration. Gillespie J, et al. **Zentralbl Veterinarmed [B]** 1986 Dec;33(10):771–6
[Multiple bone localizations in hair cell leukemia. Efficacy of treatment with alpha 2 interferon] Grosbois B, et al.

Nouv Rev Fr Hematol 1986;28(6):377–9 (Eng. Abstr.) (Fre)

[Human recombinant leukocyte interferon alpha-2–A in 22 cases of metastatic malignant melanoma] Maral J, et al. Presse Med 1987 Jun 6;16(21):1031–4 (Eng. Abstr.) (Fre)

[Hairy cell leukemia. Current therapeutic data on interferon] Flandrin G, et al. Rev Med Interne 1987 Mar–Apr; 8(2):191–4 (Fre)

[Recombinant leukocyte A interferon in metastasized malignant melanoma] Elsässer-Beile U, et al. Dtsch Med Wochenschr 1987 Mar 6;112(10):373–7 (Eng. Abstr.) (Ger)

[Alpha 2 -interferon therapy in metastasizing malignant melanoma] Landthaler M, et al. Dtsch Med Wochenschr 1987 Jun 5;112(23):919–21 (Eng. Abstr.) (Ger)

[Interferon in the treatment of malignant melanoma. Results of clinical studies] Elsässer-Beile U, et al. Fortschr Med 1987 Jun 20;105(21):401–3, 42 (Eng. Abstr.) (Ger)

[Behçet disease and exogenous interferon. A successful treatment study using recombinant alpha-A-IFN] Stadler R, et al. Hautarzt 1987 Feb;38(2):97–100 (Eng. Abstr.) (Ger)

[Results of long-term leukocyte interferon (alpha IFN) therapy using an individually determined dose schedule in recurrent laryngeal papillomatosis] Gerein V, et al. Klin Padiatr 1987 May-Jun;199(3):224–9 (Eng. Abstr.) (Ger)

[Effectiveness of gamma interferon and alpha interferon in hairy cell leukemia] Niederle N, et al. Klin Wochenschr 1987 Jul 15;65(14):706–12 (Eng. Abstr.) (Ger)

[Recombinant (IFN-alpha 2b) therapy in hairy cell leukemia] Schwarzmeier JD, et al. Klin Wochenschr 1987 Jul 15; 65(14):699–705 (Eng. Abstr.) (Ger)

[Low-dose alpha-interferon treatment of hairy cell leukemia] von Wussow P, et al. Klin Wochenschr 1987 Jul 15; 65(14):681–4 (Eng. Abstr.) (Ger)

[Therapeutic procedure in hairy cell leukemia] von Wussow P. Klin Wochenschr 1987 Jul 15;65(14):677–80 (Ger)

[Beta interferon therapy in hairy cell leukemia] von Wussow P, et al. Klin Wochenschr 1987 Jul 15;65(14):688–90 (Eng. Abstr.) (Ger)

[Advantages and problems of multicenter therapy studies exemplified by a study of the treatment of metastasizing renal cell carcinoma with recombinant interferon-alpha-2c] Messerer D, et al. Onkologie 1987 Feb;10(1):43–9 (Eng. Abstr.) (Ger)

[Primary treatment of hairy cell leukemia with low-dose human recombinant interferon-alpha-2c (Hr-IFn alpha 2c) in comparison with therapy following splenectomy. Interferon (IFn-alpha 2c) in HCL before or after splenectomy] Pralle H, et al. Onkologie 1987 Feb;10(1):5–10 (Eng. Abstr.) (Ger)

[Interferon alpha 2C in the treatment of 2 patients with AIDS-associated Kaposi sarcoma] Steger G, et al. Wien Klin Wochenschr 1987 Feb 20;99(4):120–3 (Eng. Abstr.) (Ger)

[Enhancement of NK-activity and LAK-activity in combination therapy with interferon-alpha in a child with neuroblastoma] Fukushima K, et al. Gan To Kagaku Ryoho 1987 Aug;14(8):2597–9 (Jpn)

[Antitumor efficacy of recombinant interferon-beta on human glioma] Miyao Y, et al. Gan To Kagaku Ryoho 1987 Feb;14(2):490–4 (Eng. Abstr.) (Jpn)

[Comparative study on the cytotoxic effects, on various human tumor cell lines, of recombinant human TNF and IFN (alpha, beta, gamma)] Ogawara M, et al. Gan To Kagaku Ryoho 1987 Mar;14(3 Pt 1):741–3 (Jpn)

[Effects of recombinant human interferon-alpha A/D on the growth of experimental tumors in mice] Ootsu K, et al. Gan To Kagaku Ryoho 1987 Aug;14(8):2502–8 (Eng. Abstr.) (Jpn)

[Direct and indirect antitumor effect of murine recombinant interferons] Sakurai M, et al. Gan To Kagaku Ryoho 1987 Mar;14(3 Pt 2):889–95 (Eng. Abstr.) (Jpn)

[Introduction of natural interferon-alpha "Sumiferon"] Tsukagoshi S. Gan To Kagaku Ryoho 1987 Sep;14(9):2800–3 (Eng. Abstr.) (Jpn)

[Therapy of renal cell carcinoma. 3. Interferon therapy] Kobayashi M, et al. Hinyokika Kiyo 1987 Apr;33(4):508–14 (Eng. Abstr.) (Jpn)

[Interaction of human fibroblast interferon with chemotherapeutic agents and radiation of human gliomas in nude mice] Nakamura O, et al. Neurol Med Chir (Tokyo) 1986 Sep;26(9):671–6 (Eng. Abstr.) (Jpn)

[Therapeutic effect of human lymphoblastoid interferon (MOR-22) on malignant brain tumors—a phase II study] Hirakawa K. Nippon Gan Chiryo Gakkai Shi 1986 Jun 20; 21(5):1068–74 (Eng. Abstr.) (Jpn)

[The treatment of metastatic renal cell carcinoma with human lymphoblastoid alpha-interferon] Kinouchi T, et al. Nippon Gan Chiryo Gakkai Shi 1986 May 20;21(4):767–72 (Eng. Abstr.) (Jpn)

[Therapeutic effect of human lymphoblastoid interferon (MOR-22) on malignant skin tumors—a phase II study] Mishima Y. Nippon Gan Chiryo Gakkai Shi 1986 Jun 20; 21(5):1059–67 (Eng. Abstr.) (Jpn)

[A study of the clinical response of renal cell carcinoma to human lymphoblastoid interferon (MOR-22)] Niijima T. Nippon Gan Chiryo Gakkai Shi 1986 Jul 20;21(6):1277–84 (Eng. Abstr.) (Jpn)

[The phase I and early phase II studies of human lymphoblast interferon (MOR-22) in the treatment of malignant tumors] Tsubura E. Nippon Gan Chiryo Gakkai Shi 1986 Jun 20; 21(5):1049–58 (Eng. Abstr.) (Jpn)

[Intralesional interferon in the treatment of extramammary Paget's disease] Kobayashi H, et al. Nippon Hifuka Gakkai Zasshi 1987 Jan;97(1):1–7 (Jpn)

[Synergistic antiproliferative effect of DFMO in combination with beta-interferon on human gastric cancer in vitro] Kubota S. Nippon Shokakibyo Gakkai Zasshi 1987 Feb; 84(2):310 (Jpn)

[Interferon receptors during treatment of chronic hepatitis B with interferon] Nakajima S. Nippon Shokakibyo Gakkai Zasshi 1987 Apr;84(4):946 (Jpn)

[Hairy cell leukemia treated with interferon] Nesthus I, et al. Tidsskr Nor Laegeforen 1987 May 30;107(15):1335–6 (Eng. Abstr.) (Nor)

[Effect of leukocyte interferon and its inducers on the prekallikrein-kallikrein system of the blood serum in children with acute respiratory viral infections] Plakhtiĭ LIa, et al. Farmakol Toksikol 1986 Sep-Oct;49(5):107–8 (Eng. Abstr.) (Rus)

[Features of the clinical picture, immunocorrection of hepatitis B, and immune status of children with hemoblastoses] Zinov'eva LI, et al. Pediatriia 1987; (2):46–52 (Eng. Abstr.) (Rus)

[Interferon in the treatment of amyotrophic lateral sclerosis] Akimov GA, et al. Sov Med 1986;(12):51–5 (Eng. Abstr.) (Rus)

[Effect of interferon on clinico-laboratory indicators in patients with acute viral hepatitis B] Pokrovskiĭ VI, et al. Ter Arkh 1986;58(10):29–32 (Eng. Abstr.) (Rus)

[Use of human leukocyte interferon in treating patients with acute stenosing laryngotracheitis] Kozlova OL. Tr Inst Pastera 1985;62:124–5 (Rus)

[Use of interferon in tuberculous eye diseases] Kugleev AA, et al. Tr Inst Pastera 1985;62:126–7 (Rus)

[Various immunological and immunomorphological changes in patients with breast cancer after interferon administration] Mkrtchian LN, et al. Vopr Onkol 1986; 32(10):25–31 (Eng. Abstr.) (Rus)

[Experience with clinical use of human leukocyte interferon in cancer of the cervix uteri] Vasil'ev BV, et al. Vopr Onkol 1986;32(12):23–8 (Eng. Abstr.) (Rus)

[Immune disorders in sepsis and ways of correcting them] Treshchinskiĭ AI, et al. Vrach Delo 1987 May;(5):109–14 (Eng. Abstr.) (Rus)

TOXICITY

Toxic effects of recombinant tumor necrosis factor in suckling mice. Comparisons with interferon alpha/beta. Gresser I, et al. Am J Pathol 1987 Jul;128(1):13–8

Augmentation of endotoxin fever by recombinant human beta interferon in rabbits. Kawasaki H, et al. Infect Immun 1987 May;55(5):1121–5

Toxicities of human recombinant interferon-alpha 2 in patients with advanced prostate carcinoma. Chang AY, et al. J Interferon Res 1986 Dec;6(6):713–5

Toxicity of intravitreally administered alpha-interferon. Dharma SK, et al. Ophthalmic Surg 1987 Jan;18(1):51–4

INTERFERON TYPE II

Structural characterization of human interferon gamma. Heterogeneity of the carboxyl terminus. Pan YC, et al. Eur J Biochem 1987 Jul 1;166(1):145–9

Crystallization and preliminary X-ray investigation of a recombinant form of human gamma-interferon. Vijay-Kumar S, et al. J Biol Chem 1987 Apr 5; 262(10):4804–5

Structure and activity of glycosylated human interferon-gamma. Arakawa T, et al. J Interferon Res 1986 Dec;6(6):687–95

Oligomeric structure of recombinant human and murine immune interferons by means of sedimentation equilibrium. Nagata K, et al. J Interferon Res 1987 Jun;7(3):313–20

Radiolabeling of human immune interferon with 125I-labeled Bolton-Hunter reagent. Anderson P. Methods Enzymol 1986;119:281–3

In vivo radiolabeling of human IFN-beta. Knight E Jr, et al. Methods Enzymol 1986;119:284–6

Phosphorylation of human immune interferon (IFN-gamma). Kung HF, et al. Methods Enzymol 1986;119:296–301

Radiolabeling of human leukocyte and immune interferons with 125I and lactoperoxidase. Sarkar FH, et al. Methods Enzymol 1986;119:263–7

ADMINISTRATION & DOSAGE

Enhanced inhibition of colony formation of human renal cell carcinoma in soft agar by the combination of alpha-difluoromethylornithine and recombinant gamma-interferon. Gohji K, et al. Cancer Res 1986 Dec; 46(12 Pt 1):6264–8

Synergistic antitumor effects of tumor necrosis factor and gamma-interferon on human colon carcinoma cell lines. Schiller JH, et al. Cancer Res 1987 Jun 1;47(11):2809–13

Phase I study of i.v. administered recombinant gamma interferon in cancer patients. Kurzrock R, et al. Cancer Treat Rep 1986 Dec;70(12):1357–64

Synergistic antiproliferative effect of recombinant alpha-interferons with recombinant gamma-interferon. Hubbell HR, et al. J Biol Response Mod 1987 Apr; 6(2):141–53

Endogenous production of cytotoxic factor in mice induced by a combination of interferon-gamma and heterologous fibrinogen. Kajikawa T, et al. J Biol Response Mod 1987 Apr;6(2):205–14

Synergistic effect of recombinant IL 2 and interferon-gamma on the proliferation of human monoclonal lymphocytes. Karray S, et al. J Immunol 1987 Jun 1;138(11):3824–8

Combination of human fibroblast and immune interferon in chronic active hepatitis B [letter] Caselmann WH, et al. Lancet 1987 Aug 22;2(8556):454–5

Treatment of multiple sclerosis with gamma interferon: exacerbations associated with activation of the immune system. Panitch HS, et al. Neurology 1987 Jul; 37(7):1097–102

[In vitro enhancement of cytotoxicity of human peripheral blood lymphocytes with recombinant interleukin 2 and an interferon mixture (alpha + beta + gamma) against human colon carcinoma cell line SW1116] Kimoto Y. Gan To Kagaku Ryoho 1986 Dec;13(12):3419–26 (Eng. Abstr.) (Jpn)

[Combined effect of human recombinant interferon alpha, beta and gamma on tumor cell growth and the cell cycle in vitro] Kondo H, et al. Gan To Kagaku Ryoho 1987 May; 14(5 Pt 1):1234–9 (Eng. Abstr.) (Jpn)

[Combined effect of human recombinant interferon-beta and interferon-gamma against an experimental model of peritonitis carcinomatosa in nude mice] Kondo H, et al. Gan To Kagaku Ryoho 1987 Jun;14(6 Pt 1):1836–40 (Eng. Abstr.) (Jpn)

[Synergistic effect of recombinant human interferon-beta and -gamma on human colon cancer transplanted into nude mice] Naomoto Y, et al. Gan To Kagaku Ryoho 1986 Oct; 13(11):3155–60 (Eng. Abstr.) (Jpn)

[Intravesical chemotherapy with interferon in superficial bladder tumors] Tanahashi T, et al. Gan To Kagaku Ryoho 1987 Apr;14(4):1156–9 (Eng. Abstr.) (Jpn)

[Anti-neoplastic activity of a human recombinant tumor necrosis factor (Hu-rec-TNF) alone or in combination with human recombinant gamma-interferon, doxorubicin or cis-platinum on a human renal cell carcinoma line] Gohji K, et al. Hinyokika Kiyo 1987 Mar;33(3):329–35 (Eng. Abstr.) (Jpn)

ADVERSE EFFECTS

Exacerbations of multiple sclerosis in patients treated with gamma interferon. Panitch HS, et al. Lancet 1987 Apr 18; 1(8538):893–5

ANALYSIS

Lympho-monokine disorders and peritoneal fibroblast proliferation in CAPD. Lamperi S, et al. ASAIO Trans 1986 Jul-Sep;32(1):35–8

Subacute thyroiditis: activated HLA-DR and interferon-gamma expressing T cytotoxic/suppressor cells in thyroid tissue and peripheral blood. Karlsson FA, et al. Clin Endocrinol (Oxf) 1986 Nov;25(5):487–93

Identity between human interferon-gamma and "macrophage-activating factor" produced by human T lymphocytes. Talmadge KW, et al. Eur J Immunol 1986 Dec;16(12):1471–7

Generation of a new monoclonal antibody and its application for determination and purification of biologically active human gamma-interferon. Oda S, et al. Hybridoma 1986 Winter;5(4):329–38

Heterogeneity of Chinese hamster ovary cell-produced recombinant murine interferon-gamma. Dijkmans R, et al. J Biol Chem 1987 Feb 25;262(6):2528–35

Biochemical analysis and biological activities of immunoaffinity purified natural murine gamma interferon (MuIFN-gamma). Greenfield RS, et al. J Leukocyte Biol 1986 Dec;40(6):665–76

A sandwich radioimmunoassay for human IFN-gamma. Kelder B, et al. Methods Enzymol 1986;119:582–7

A convenient microassay for cytolysis and cytostasis. Tyring S, et al. Methods Enzymol 1986;119:574–9

[Leukocyte migration inhibiting factor in preparations of alpha and gamma interferons] Vakhromeeva NS, et al. Vopr Virusol 1986 Sep-Oct;31(5):617–9 (Eng. Abstr.) (Rus)

ANTAGONISTS & INHIBITORS

Lipopolysaccharide and interleukin 1 inhibit interferon-gamma-induced Fc receptor expression on human monocytes. Arend WP, et al. J Immunol 1987 Sep 15;139(6):1873–9

Trace levels of bacterial lipopolysaccharide prevent interferon-gamma or tumor necrosis factor-alpha from enhancing mouse peritoneal macrophage respiratory burst capacity. Ding AH, et al. J Immunol 1987 Sep 15; 139(6):1971–7

Induction of macrophage Ia antigen expression by rIFN-gamma and down-regulation by IFN-alpha/beta and dexamethasone are mediated by changes in steady-state levels of Ia mRNA. Fertsch D, et al. J Immunol 1987 Jul 1;139(1):244–9

Maleylated-BSA suppresses IFN-gamma-mediated Ia expression in murine peritoneal macrophages. Hamilton

TA, et al. **J Immunol** 1987 Jun 15;138(12):4063–8
Effect of serotonin (5–HT) and other monoamines on murine macrophages: modulation of interferon–gamma induced phagocytosis. Sternberg EM, et al. **J Immunol** 1987 Jun 15;138(12):4360–5

BIOSYNTHESIS

Phosphorylation of T–cell antigen receptor–associated proteins: correlation with activation for killing and/or for gamma–interferon production by a cytolytic T–cell clone. Boyer C, et al. **Ann Inst Pasteur Immunol** 1987 Jan–Feb; 138(1):65–82
Psoriasis, gamma–interferon, and the acquired immunodeficiency syndrome [letter] Fuchs D, et al. **Ann Intern Med** 1987 Jan;106(1):165
Effect of acetyl salicylic acid on production and action of leukocyte–derived interferons. Yousefi S, et al. **Antimicrob Agents Chemother** 1987 Jan;31(1):114–6
Defective in vitro gamma–interferon production in rheumatoid arthritis [letter] Malaise MG, et al. **Arthritis Rheum** 1987 Feb;30(2):230–1
Deficient gamma–interferon production in patients with systemic lupus erythematosus. Tsokos GC, et al. **Arthritis Rheum** 1986 Oct;29(10):1210–5
The induction of IFN–gamma production and m–RNAs of interleukin 2 and IFN–gamma by phorbol esters and a calcium ionophore. Croll AD, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):927–33
Differences in interferon–gamma response of psoriatic lymphocytes to stimulation with various mitogens. Goan SR, et al. **Biomed Biochim Acta** 1986;45(7):903–6
In vitro immune interferon induction during tumor evolution. Kohan S, et al. **Biomed Pharmacother** 1986;40(4):150–3
Interferon responses of peripheral blood mononuclear cells from normal and leukaemic children. Mohammed GS, et al. **Br J Haematol** 1986 Dec;64(4):789–98
Opioid peptides modulate production of interferon gamma by human mononuclear cells. Brown SL, et al. **Cell Immunol** 1986 Nov;103(1):19–26
The regulation of gamma–interferon production by interleukins 1 and 2. Croll AD, et al. **Cell Immunol** 1986 Oct 1;102(1):33–42
Histamine inhibits interferon–gamma production via suppression of interleukin 2 synthesis. Dohlsten M, et al. **Cell Immunol** 1986 Sep;101(2):493–501
In vitro effects of Bacillus subtilis on the immune response. Ciprandi G, et al. **Chemioterapia** 1986 Dec;5(6):404–7
Class II MHC antigen expression by human keratinocytes results from lympho–epidermal interactions and gamma–interferon production. Czernielewski JM, et al. **Clin Exp Immunol** 1986 Nov;66(2):295–302
A single cell assay for the study of gamma–interferon formation in leprosy patients. Lindh J, et al. **Clin Exp Immunol** 1987 Jan;67(1):51–4
A longitudinal study of gamma–interferon production by peripheral blood mononuclear cells from breast– and bottle–fed infants. Stephens S, et al. **Clin Exp Immunol** 1986 Aug;65(2):396–400
Induction of interferon–gamma in human leukocyte cultures stimulated by Zn2+. Salas M, et al. **Clin Immunol Immunopathol** 1987 Oct;45(1):139–42
Impaired production of alpha and gamma interferon in asymptomatic homosexual males. Bergström T, et al. **Eur J Clin Microbiol** 1986 Oct;5(5):523–9
Phenotypic characterization of individual interferon–gamma–producing cells after OKT3 antibody activation. Andersson U, et al. **Eur J Immunol** 1986 Nov; 16(11):1457–60
Induction of interferon–gamma production and Ia expression by interleukin 1 in bone marrow culture cells. Puri J, et al. **Eur J Immunol** 1987 Feb;17(2):223–8
In vitro interferon producing activity of peripheral mononuclear cells in patients with chronic liver disease. Matsushita K, et al. **Gastroenterol Jpn** 1987 Apr; 22(2):166–73
Interferon–gamma production by peripheral blood mononuclear cells of patients with chronic liver disease. Fujii A, et al. **Hepatology** 1987 May–Jun;7(3):577–81
Gamma–interferon is produced by CD3+ and CD3– lymphocytes. Sandvig S, et al. **Immunol Rev** 1987 Jun; 97:51–65 (33 ref.)
Induction of murine gamma interferon production by lipopolysaccharide and interleukin–2 in Propionibacterium acnes–induced peritoneal exudate cells [published erratum appears in Infect Immun 1987 Aug;55(8):1948] Okamura H, et al. **Infect Immun** 1987 Feb;55(2):335–41
Production of hemopoietic growth factors and gamma–interferon by large granular lymphocytes from patients with T gamma lymphocytosis. Standen GR, et al. **Int J Cell Cloning** 1987 Jul;5(4):302–14
Patients with condyloma acuminatum exhibit decreased interleukin–2 and interferon gamma production and depressed natural killer activity. Cauda R, et al. **J Clin Immunol** 1987 Jul;7(4):304–11
Opioid–mediated suppression of interferon–gamma production by cultured peripheral blood mononuclear cells. Peterson PK, et al. **J Clin Invest** 1987 Sep;80(3):824–31
Regulation of lymphokine production and human T lymphocyte activation by 1,25–dihydroxyvitamin D3. Specific inhibition at the level of messenger RNA. Rigby WF, et al. **J Clin Invest** 1987 Jun;79(6):1659–64
The capacity of blood lymphoid cells to produce alpha– and gamma–interferon is decreased during alpha–interferon therapy. Einhorn S, et al. **J Clin Lab Immunol** 1987 May; 23(1):35–8
Human interferon alpha and gamma production by lymphocytes during the generation of influenza virus–specific cytotoxic T lymphocytes. Yamada YK, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2325–34
Selectively increased production of interferon–gamma by subsets of Lyt–2+ and L3T4+ T cells identified by expression of Pgp–1. Budd RC, et al. **J Immunol** 1987 Jun 1;138(11):3583–6
Interleukin 2 induction of interferon–gamma mRNA synthesis. Farrar WL, et al. **J Immunol** 1986 Dec 15; 137(12):3836–40
Second messenger role of arachidonic acid and its metabolites in interferon–gamma production. Johnson HM, et al. **J Immunol** 1986 Nov 15;137(10):3053–6
Experimental visceral leishmaniasis: production of interleukin 2 and interferon–gamma, tissue immune reaction, and response to treatment with interleukin 2 and interferon–gamma. Murray HW, et al. **J Immunol** 1987 Apr 1;138(7):2290–7
Phenotypic and functional characteristics of active suppressor cells against IFN–gamma production in PHA–stimulated cord blood lymphocytes. Seki H, et al. **J Immunol** 1986 Nov 15;137(10):3158–61
One–signal requirement for interferon–gamma production by human large granular lymphocytes. Young HA, et al. **J Immunol** 1987 Aug 1;139(3):724–7
An immunofluorescent method for identifying individual IFN–gamma–producing lymphocytes. Laskay T, et al. **J Immunol Methods** 1986 Dec 4;95(1):1–7
Measles virus and mumps virus induce gamma interferon differently in human lymphocyte cultures. Nakayama T, et al. **J Infect Dis** 1987 May;155(5):1051–4
Antigen presentation by specifically sensitized macrophages in interferon–gamma induction. Antonelli G, et al. **J Interferon Res** 1986 Oct;6(5):535–42
Influence of monoclonal antibodies against HLA class I and class II antigen on interferon–gamma and –alpha induction. Ausiello C, et al. **J Interferon Res** 1987 Apr;7(2):133–43
The effect of hydrocortisone on the production of gamma–interferon and other lymphokines by human peripheral blood mononuclear cells. Cesario TC, et al. **J Interferon Res** 1986 Aug;6(4):337–47
In vivo hyperthermia enhances plasma antiviral activity and stimulates peripheral lymphocytes for increased synthesis of interferon–gamma. Downing JF, et al. **J Interferon Res** 1987 Apr;7(2):185–93
Angiotensin II regulates interferon–gamma production. Fernandez–Castelo S, et al. **J Interferon Res** 1987 Jun; 7(3):261–8
Unusual monocyte–lymphocyte interactions determine the specificity of the immune–specific interferon response induced by Newcastle disease and herpes simplex viruses. Green JA. **J Med Virol** 1986 Dec;20(4):381–9
Spontaneous and induced interferon production by peripheral blood leucocytes from control population and patients with herpes genitalis. Iannello D, et al. **J Med Virol** 1987 May; 22(1):25–34
Ontogeny of phytohemagglutinin–induced gamma interferon by leukocytes of healthy infants and children: evidence for decreased production in infants younger than 2 months of age. Frenkel L, et al. **J Pediatr** 1987 Jul;111(1):97–100
Interferon (IFN)–gamma production by T cell subsets after vaccination with live mumps vaccine. Nakayama T, et al. **Kitasato Arch Exp Med** 1986 Jun;59(1–2):21–6
Induction of gamma interferon by mumps virus in lymphocytes from children inoculated with live mumps virus vaccine. Nakayama T, et al. **Kitasato Arch Exp Med** 1986 Jun;59(1–2):37–41
The regulation of human interferon–gamma production by interleukins 1 and 2. Croll AD, et al. **Lymphokine Res** 1986; 5 Suppl 1:S115–9
Production of human immune interferon with normal human leukocytes by the inducers A–23187 and mezerein. Braude IA, et al. **Methods Enzymol** 1986;119:72–6
Production and partial purification of human immune interferon induced with concanavalin A, staphylococcal enterotoxin A, and OK–432. De Ley M, et al. **Methods Enzymol** 1986;119:88–92
Production and purification of mouse immune interferon. De Ley M, et al. **Methods Enzymol** 1986;119:145–9
Induction of human immune interferon with ionophores. Dianzani F, et al. **Methods Enzymol** 1986;119:69–72
Production of human immune interferon from leukocytes cocultured with exogenous cells. Familletti PC, et al. **Methods Enzymol** 1986;119:63–9
Large–scale production, concentration, and partial purification of human immune interferon. Georgiades JA. **Methods Enzymol** 1986;119:83–7
Induction of human immune interferon from peripheral blood mononuclear cells induced with combinations of T cell mitogens. Tsujimoto M, et al. **Methods Enzymol** 1986; 119:93–5
Large–scale production and recovery of human immune interferon. van Reis R, et al. **Methods Enzymol** 1986; 119:77–83
Induction of human interferon gamma with phorbol esters and phytohemagglutinin. Vilček J, et al. **Methods Enzymol** 1986;119:48–54
In vitro interferon production: induction in human leukocytes after exposure to cytomegalovirus antigens. Lun MT, et al. **Microbiologica** 1986 Oct;9(4):399–404
Spleen and lymph node cell populations, in vitro cell proliferation and interferon–gamma production during the primary immune response to Toxoplasma gondii. Jones TC, et al. **Parasite Immunol** 1986 Nov;8(6):619–29
1 alpha,25–Dihydroxyvitamin D3 inhibits gamma–interferon synthesis by normal human peripheral blood lymphocytes. Reichel H, et al. **Proc Natl Acad Sci USA** 1987 May; 84(10):3385–9
Interferon messenger RNA is produced constitutively in the organs of normal individuals. Tovey MG, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5038–42
Evaluation of the in vitro production of interferon gamma and other lymphokines in uremic patients. Yousefi S, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):179–85
Stimulation of interleukin 2 and interferon gamma production by leukotriene B4 in human lymphocyte cultures. Rola–Pleszczynski M, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2–3):207–10
Lymphocyte activation and induction of interferon gamma in human leucocyte cultures by the mitogen in Mycoplasma arthritidis supernatant (MAS). Kirchner H, et al. **Scand J Immunol** 1986 Nov;24(5):609–13
Reduced production of interferon alpha and interferon gamma in leukocyte cultures from patients with active rheumatoid arthritis. Seitz M, et al. **Scand J Rheumatol** 1987;16(4):257–62
Effect of immunosuppressives on gamma–interferon production, lymphocyte proliferation, and cytotoxic function of activated T lymphocytes. Bishop GA, et al. **Transplant Proc** 1987 Apr;19(2):2866–8
Diminished production of interleukin 2 and gamma–interferon by cloned "T" cells from patients with the acquired immunodeficiency syndrome (AIDS). Maggi E, et al. **Tumori** 1987 Jun 30;73(3):273–8
[Abnormal function of peripheral lymphocytes in producing interleukin 2 and immune interferon in patients with hepatitis B] Liu SL. **Chung Hua I Hsueh Tsa Chih** 1986 Jul;66(7):413–6 **(Chi)**
[Studies on the induction of alpha and gamma interferon in chronic hepatitis B patients] Zhang LM, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Jun;25(6):347–9, 381–2 (Eng. Abstr.) **(Chi)**
[Production of LIF and gamma interferon in patients with ragweed–induced allergic rhinosinusitis] Sartoris A, et al. **Acta Otorhinolaryngol Ital** 1986 Nov–Dec;6(6):613–8 (Eng. Abstr.) **(Ita)**
[Interferon production in vitro] Kaise R, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):896–902 (Eng. Abstr.) **(Jpn)**
[The antitumor efficacy of lymphokine–activated killer (LAK) cells and gamma interferon production induced in vitro from peripheral blood lymphocytes of patients with malignant gliomas] Shimizu K, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 May 20;21(4):760–6 (Eng. Abstr.) **(Jpn)**
[A study of gamma–interferon production induced by interleukin 2 in peripheral blood mononuclear cells of patients with hepatocellular carcinoma] Saibara T. **Nippon Shokakibyo Gakkai Zasshi** 1987 Apr;84(4):947 **(Jpn)**
[Production of alpha– and gamma–interferons by human central lymph cells in different pathological states] Solov'eva MN, et al. **Vopr Virusol** 1986 Nov–Dec; 31(6):730–3 (Eng. Abstr.) **(Rus)**

BLOOD

Enhanced production of gamma–interferon by therapy with parenteral OK–432 and alpha–interferon in patients with head and neck cancer. Sugiyama M, et al. **Arch Otorhinolaryngol** 1986;243(5):281–7
Gamma interferon and aplastic anemia [letter] Young NS. **Blood** 1987 Jul;70(1):337–9
Neopterin and interferon gamma serum levels in patients with heart and kidney transplants. Woloszczuk W, et al. **J Clin Chem Clin Biochem** 1986 Oct;24(10):729–34
Determination of interferon–gamma in the peripheral blood of multiple sclerosis patients in remission, using a chemiluminescence technique. Hammann KP, et al. **J Neuroimmunol** 1986 Nov;13(1):9–18
[Significance of neopterin, gamma interferon and other immunologic parameters determined in a population of drug addicts, positive or negative for anti–HTLV III antibodies] Soffritti E, et al. **G Clin Med** 1987 Feb; 68(2):87–95 (Eng. Abstr.) **(Ita)**

CEREBROSPINAL FLUID

Immunoreactive IFN–gamma in CSF in neurological disorders. Abbott RJ, et al. **J Neurol Neurosurg Psychiatry** 1987 Jul;50(7):882–5

GENETICS

Superinduction of the human interferon–beta promoter. Dinter H, et al. **EMBO J** 1987 Mar;6(3):599–604
Superinduction of the human gene encoding immune interferon. Lebendiker MA, et al. **EMBO J** 1987 Mar; 6(3):585–9
Chemical synthesis and expression in E. coli of a human Val8–calcitonin gene by fusion to a synthetic human interferon–gamma gene. Ivanov I, et al. **FEBS Lett** 1987

Jan 1;210(1):56–60
trp operon induction during the expression in E. coli of two IFN–gamma sequences. Sverdlov ED, et al. **FEBS Lett** 1987 Feb 23;212(2):233–6
Rearrangement of genes located on homologous chromosomal segments in mouse and man: the location of genes for alpha– and beta–interferon, alpha–1 acid glycoprotein–1 and –2, and aminolevulinate dehydratase on mouse chromosome 4. Nadeau JH, et al. **Genetics** 1986 Dec;114(4):1239–55
Interferon analogues from synthetic genes: an approach to protein structure–activity studies. Edge MD, et al. **Interferon** 1986;7:1–46 (77 ref.)
Molecular events involved in regulating human interferon–gamma gene expression during T cell activation. Hardy KJ, et al. **J Immunol** 1987 Apr 1;138(7):2353–8
Determination of the complete amino acid sequence of recombinant human gamma–interferon produced in Escherichia coli. Yamazaki S, et al. **J Interferon Res** 1986 Aug;6(4):331–6
Expression of human interferon genes in E. coli with the lambda PL promoter. Crowl R. **Methods Enzymol** 1986; 119:376–83
Cloning, expression, and purification of rat IFN–gamma. Dijkema R, et al. **Methods Enzymol** 1986;119:453–64
Construction of expression vectors for secretion of human interferons by yeast. Hitzeman RA, et al. **Methods Enzymol** 1986;119:424–33
Yeast vectors for production of interferon. Schaber MD, et al. **Methods Enzymol** 1986;119:416–23
Induction of human interferon–gamma mRNA analyzed by cytoplasmic dot hybridization: effect of Con A, TPA, and A23187. Nagashima H, et al. **Microbiol Immunol** 1986; 30(10):1003–10
Posttranscriptional control of human gamma interferon gene expression in transfected mouse fibroblasts. Young HA, et al. **Mol Cell Biol** 1986 Jun;6(6):2253–6
The interferon genes. Weissmann C, et al. **Prog Nucleic Acid Res Mol Biol** 1986;33:251–300 (227 ref.)

IMMUNOLOGY

Eicosanoids, gamma–interferon and inflammatory cells in kidney transplant patients. Foegh ML, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1986; 16:205–14 (34 ref.)
Induction of HLA–DR antigen expression in human endometrial epithelial cells in vitro by recombinant gamma–interferon. Tabibzadeh SS, et al. **Am J Pathol** 1986 Oct;125(1):90–6
The role of gamma interferon in the generation of human macrophages cytotoxic for Entamoeba histolytica trophozoites. Salata RA, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):72–8
Augmentation of spontaneous cytotoxicity of human lymphocytes by RU 41.740 is due to monocyte–derived factors distinct from interleukin 2, interferon alpha and gamma. Viland H, et al. **Anticancer Res** 1987 Jan–Feb; 7(1):23–8
Changes in cell surface antigen expression on human articular chondrocytes induced by gamma–interferon. Induction of Ia antigens. Jahn B, et al. **Arthritis Rheum** 1987 Jan; 30(1):64–74
Interferon–gamma: involvement in human disease. Wardle EN. **Br J Hosp Med** 1987 Jun;37(6):522, 524
Triggering of interferon gamma–primed macrophages by various known complement activators for nonspecific tumor cytotoxicity. Leu RW, et al. **Cell Immunol** 1987 Apr 15;106(1):114–21
Macrophage activation factor from EL–4, a murine T–cell line: antigenic characterization by hamster monoclonal antibodies to murine interferon–gamma. Meltzer MS, et al. **Cell Immunol** 1987 Jul;107(2):340–7
Natural cytotoxic activity in multiple sclerosis patients: defects in IL–2/interferon gamma–regulatory circuit. Braakman E, et al. **Clin Exp Immunol** 1986 Nov; 66(2):285–94
Recombinant gamma interferon is a potent adjuvant for a malaria vaccine in mice. Playfair JH, et al. **Clin Exp Immunol** 1987 Jan;67(1):5–10
A high–affinity monoclonal antibody (GIF–1) to human gamma–interferon: neutralization of interferon mediated inhibition of retrovirus production and 2'–5'(A) synthetase induction. Feit C, et al. **Exp Cell Biol** 1986;54(4):212–9
Monoclonal antibodies to human interferon–gamma. II: Antibodies with neutralizing activity. Ichimori Y, et al. **Hybridoma** 1987 Apr;6(2):173–81
Activation of macrophages to inhibit proliferation of Mycobacterium tuberculosis: comparison of the effects of recombinant gamma–interferon on human monocytes and murine peritoneal macrophages. Rook GA, et al. **Immunology** 1986 Nov;59(3):333–8
Gamma interferon as a crucial host defense against Rickettsia conorii in vivo. Li H, et al. **Infect Immun** 1987 May; 55(5):1252–5
Inhibition of the intracellular growth of Histoplasma capsulatum by recombinant murine gamma interferon. Wu–Hsieh BA, et al. **Infect Immun** 1987 Apr;55(4):1014–6
Separate induction of MHC and thyroid microsomal antigen (McAg) expression on thyroid cell monolayers: enhancement of lectin–induced McAg expression by interferon–gamma. Iwatani Y, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1302–8
In vivo treatment of (NZB X NZW)F1 lupus–like nephritis with monoclonal antibody to gamma interferon. Jacob CO, et al. **J Exp Med** 1987 Sep 1;166(3):798–803
T cell–macrophage interactions in the immune response to herpes simplex virus: the significance of interferon–gamma. Seid JM, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2799–802
Growth inhibition of Candida albicans by human polymorphonuclear neutrophils: activation by interferon–gamma and tumor necrosis factor. Djeu JY, et al. **J Immunol** 1986 Nov 1;137(9):2980–4
Analysis of deficiencies in IFN–gamma–mediated priming for tumor cytotoxicity in peritoneal macrophages from A/J mice. Hamilton TA, et al. **J Immunol** 1986 Nov 15; 137(10):3367–71
Natural suppressor activity in graft–vs–host spleen and normal bone marrow is augmented by IL 2 and interferon–gamma. Holda JH, et al. **J Immunol** 1986 Dec 1;137(11):3538–43
Induction, maintenance, and reinduction of tumoricidal activity in bone marrow–derived mononuclear phagocytes by Corynebacterium parvum. Evidence for the involvement of a T cell– and interferon–gamma–independent pathway of macrophage activation. Keller R, et al. **J Immunol** 1987 Apr 1; 138(7):2366–71
Demonstration that human B cells respond differently to interleukin 2 and B cell differentiation factor based on their stages of maturation. Nakagawa T, et al. **J Immunol** 1986 Nov 15;137(10):3175–82
Heteroantibody–mediated cytotoxicity: antibody to the high affinity Fc receptor for IgG mediates cytotoxicity by human monocytes that is enhanced by interferon–gamma and is not blocked by human IgG. Shen L, et al. **J Immunol** 1986 Dec 1;137(11):3378–82
Purification and further characterization of an anti–murine interferon–gamma monoclonal neutralizing antibody. Havell EA. **J Interferon Res** 1986 Oct;6(5):489–97
Activation of mouse macrophages for migration inhibition and for tumor cytotoxicity is mediated by interferon–gamma priming and triggering by various agents. Herriott MJ, et al. **J Interferon Res** 1987 Apr; 7(2):165–71
Antibodies to the carboxyl terminus of mouse interferon–gamma neutralize its immunoregulatory and antiviral activities. Langford MP, et al. **J Interferon Res** 1987 Feb;7(1):95–101
Interferon–induced cytolysis correlates with the degree of transformation of epidermal cells. Tyring SK, et al. **J Invest Dermatol** 1987 Aug;89(2):136–41
Regulation of complement proteins C2 and factor B by interleukin–1 and interferon–gamma acting on transfected L cells. Perlmutter DH, et al. **Mol Immunol** 1986 Nov; 23(11):1263–6
Human chromosomes 6 and 21 are required for sensitivity to human interferon gamma. Jung V, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4151–5
Intracellular human gamma–interferon triggers an antiviral state in transformed murine L cells. Sancéau J, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2906–10
Influence of recombinant gamma–interferon on enhancement of major histocompatibility complex class II antigen expression and functional immunological capacities of human amniotic and chorionic villi cells. Gotlieb W, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):560–4
Expression of HLA antigens on renal tubular cells in culture. I. Evidence that mixed lymphocyte culture supernatants and gamma interferon increase both class I and class II HLA antigens. Bishop GA, et al. **Transplantation** 1986 Dec; 42(6):671–9
[Comparative study of the activating effects of recombinant human interleukin 2 and interferon–gamma on cell–mediated cytotoxicity against renal cell carcinoma in vitro] Marumo K, et al. **Gan To Kagaku Ryoho** 1987 Jun; 14(6 Pt 1):1825–9 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Differential purification by immunoaffinity chromatography of two carboxy–terminal portion–deleted derivatives of recombinant human interferon–gamma from Escherichia coli. Honda S, et al. **J Interferon Res** 1987 Apr;7(2):145–54
Purification of natural human immune interferon induced by A–23187 and mezerein. Braude IA. **Methods Enzymol** 1986; 119:193–9
Production and partial purification of human immune interferon. Cantell K, et al. **Methods Enzymol** 1986; 119:54–63
Nickel chelate chromatography of human immune interferon. Coppenhaver DH. **Methods Enzymol** 1986;119:199–204
Purification of recombinant human immune interferon. Kung HF, et al. **Methods Enzymol** 1986;119:204–10
Purification of avian T cell growth factor and immune interferon using gel filtration high resolution chromatography. Fredericksen TL, et al. **Prog Clin Biol Res** 1987;238:145–56

METABOLISM

Activation of protein kinase C down–regulates IFN–gamma receptors. Fassio A, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):337–44
Quantitation and characterization of gamma–interferon receptors on human tumor cells. Ucer U, et al. **Cancer Res** 1986 Oct;46(10):5339–43
The human interferon–gamma receptor. Purification, characterization, and preparation of antibodies. Novick D, et al. **J Biol Chem** 1987 Jun 25;262(18):8483–7
Purification of human gamma interferon receptors by sequential affinity chromatography on immobilized monoclonal antireceptor antibodies and human gamma interferon. Aguet M, et al. **J Exp Med** 1987 Apr 1; 165(4):988–99
Internalization and degradation of receptor–bound interferon–gamma by murine macrophages. Demonstration of receptor recycling. Celada A, et al. **J Immunol** 1987 Jul 1;139(1):147–53
Pharmacokinetic studies with human and rat interferons–gamma in different species. Cantell K, et al. **J Interferon Res** 1986 Dec;6(6):671–5
Structure and activity of recombinant human interferon–gamma analogs. Hsu YR, et al. **J Interferon Res** 1986 Dec;6(6):663–70
Binding of 125I–gamma interferon to cultured human keratinocytes. Nickoloff BJ. **J Invest Dermatol** 1987 Aug; 89(2):132–5
Binding of 32P–labeled human recombinant immune interferon to U937 cells. Rashidbaigi A, et al. **Methods Enzymol** 1986;119:315–21
Human interferon–gamma (IFN–gamma) containing cells bear various surface phenotypic markers. Sugawara I, et al. **Microbiol Immunol** 1986;30(10):1049–59
Modulation of the adherence of group A streptococci to murine cells. Savoia D, et al. **Microbiologica** 1987 Jul; 10(3):281–90

PHARMACODYNAMICS

Expression of OKM5 antigen on human keratinocytes in vitro upon stimulation with gamma–interferon. Hunyadi J, et al. **Acta Derm Venereol (Stockh)** 1986;66(6):527–30
Effect of fibroblast interferon and recombinant gamma interferon on zymosan–induced nitroblue tetrazolium reduction in mouse peritoneal macrophages. von der Lippe E, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Oct;94(5):343–6
Substances affecting the infection and replication of human immunodeficiency virus (HIV). Yamamoto N, et al. **AIDS Res** 1986 Dec;2 Suppl 1:S183–9
Activity of interferons alpha, beta, and gamma against human immunodeficiency virus replication in vitro. Hartshorn KL, et al. **AIDS Res Hum Retroviruses** 1987 Summer; 3(2):125–33
The effect of IFN–gamma and alpha on Con–A stimulated T–cell proliferation: role of monocytes. Haq AU. **Am J Med Sci** 1986 Dec;292(6):350–5
Cellular responses to the intradermal injection of recombinant human gamma–interferon in lepromatous leprosy patients. Kaplan G, et al. **Am J Pathol** 1987 Aug;128(2):345–53
Recombinant gamma, alpha, and beta interferon regulation of human lung fibroblast proliferation. Elias JA, et al. **Am Rev Respir Dis** 1987 Jan;135(1):62–5
Immune interferon is a growth factor for human lung fibroblasts. Hunninghake GW, et al. **Am Rev Respir Dis** 1986 Nov;134(5):1025–8
Comparative oxidative microbicidal activity of human blood monocytes and alveolar macrophages and activation by recombinant gamma interferon. Kemmerich B, et al. **Am Rev Respir Dis** 1987 Aug;136(2):266–70
Recombinant gamma interferon induces HLA–DR expression on squamous cell carcinoma, trichilemmoma, adenocarcinoma cell lines, and cultured human keratinocytes. Kameyama K, et al. **Arch Dermatol Res** 1987; 279(3):161–6
Effect of recombinant human interferon gamma against human cytomegalovirus. Yamamoto N, et al. **Arch Virol** 1987;94(3–4):323–9
Characteristics of anticellular activities of human recombinant interferon gamma on gynecological malignancies: in vitro sensitivity. Iwasaka T, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec;12(4):549–54
Functional antagonism between type I and type II interferons on human macrophages. Garotta G, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):948–54
Appearance of membrane–bound tyrosine kinase during differentiation of HL–60 leukemia cells by immune interferon and tumor necrosis factor. Glazer RI, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):905–15
Gamma interferon inhibits basal and interleukin 1–induced prostaglandin production and bone resorption in neonatal mouse calvaria. Hoffmann O, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):38–43
Potential mechanisms of cytosolic calcium modulation in interferon–gamma treated U937 cells. Klein JB, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1295–30
Ameliorating effect of murine interferon gamma on bleomycin–induced lung collagen fibrosis in mice. Giri SN, et al. **Biochem Med Metab Biol** 1986 Oct;36(2):194–7
Combinations of recombinant human interferons and retinoic acid synergistically induce differentiation of the human promyelocytic leukemia cell line HL–60. Hemmi H, et al. **Blood** 1987 Feb;69(2):501–7
Gamma–interferon alters globin gene expression in neonatal and adult erythroid cells. Miller BA, et al. **Blood** 1987 Jun; 69(6):1674–81
Human gamma interferon enhances release from phytohemagglutinin–stimulated T4+ lymphocytes of

activities that stimulate colony formation by granulocyte-macrophage, erythroid, and multipotential progenitor cells. Piacibello W, et al. **Blood** 1986 Dec; 68(6):1339–47

Induction of proliferation of B prolymphocytic leukemia cells by phorbol ester and native or recombinant interferon-gamma. Sauerwein RW, et al. **Blood** 1987 Sep; 70(3):670–5

Retinoic acid cooperates with tumor necrosis factor and immune interferon in inducing differentiation and growth inhibition of the human promyelocytic leukemic cell line HL-60. Trinchieri G, et al. **Blood** 1987 Apr;69(4):1218–24

In vivo induction of Ia antigens on rat keratinocytes by gamma-interferon. Scheynius A, et al. **Br J Dermatol** 1986 Nov;115(5):543–9

Interferon-gamma: actions and importance. Wardle EN. **Br J Hosp Med** 1987 May;37(5):446–8

Expression of apolipoprotein E by mouse brain astrocytes and its modulation by interferon-gamma. Oropeza RL, et al. **Brain Res** 1987 Apr 28;410(1):45–51

Synergistic induction of cytotoxicity in macrophages by murine interferon-gamma and biological response modifiers derived from microorganisms. Nagao S, et al. **Cancer Immunol Immunother** 1986;23(1):41–5

Enhancement by gamma-interferon of in vivo tumor radiolocalization by a monoclonal antibody against HLA-DR antigen. Rowlinson G, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6413–7

Preexposure of resting B cells to interferon-gamma enhances their proliferative response to subsequent activation signals. Boyd AW, et al. **Cell Immunol** 1987 May;106(2):353–65

IL-2- and IFN gamma-enhanced natural cytotoxic activity: analysis of the role of different lymphoid subsets and implications for activation routes. Braakman E, et al. **Cell Immunol** 1986 May;99(2):476–88

Interferon-gamma enhances target cell sensitivity to monocyte killing. Feinman R, et al. **Cell Immunol** 1986 Apr 15;99(1):287–93

Down regulation of human monocyte differentiation antigens by interferon ganuma. Firestein GS, et al. **Cell Immunol** 1987 Feb;104(2):343–54

Definition of a differentiation antigen on the surface of phagocytic cells of thymic reticulum which is down-regulated by interferon gamma. Papiernik M, et al. **Cell Immunol** 1987 Apr 1;105(2):280–9

Modulation of lymphocyte proliferation and immunoglobulin synthesis by interferon-gamma and "type I" interferons. Siegel DS, et al. **Cell Immunol** 1986 Sep;101(2):380–90

Effects of recombinant human interferon-gamma (Met-Gln form) on expression of Fc receptor and Ia-like antigen on human peripheral monocytes and lymphocytes: a comparative study with natural human interferon-alpha and -beta. Matsumoto S, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan;35(1):335–43

Enhancement of Ia-like antigen expression by interferon-gamma in polymorphonuclear leukocytes. Matsumoto S, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan; 35(1):436–9

Characteristics of augmentation of cell-mediated cytotoxic activities by recombinant human interferon-gamma (Met-Gln form): a comparative study with natural human interferon-alpha and -beta. Matsumoto S, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov;34(11):4767–74

Glucocorticoid enhances gamma interferon effects on human monocyte antigen expression and ADCC. Shen L, et al. **Clin Exp Immunol** 1986 Aug;65(2):387–95

In vitro and in vivo models for monitoring the adoptive immunotherapeutic effects of recombinant gamma-interferon-activated human monocytes. Edington HD, et al. **Curr Surg** 1987 May-Jun;44(3):210–3

Expression of class I MHC proteins on RIN-m5F cells is increased by interferon-gamma and lymphokine-conditioned medium. Campbell IL, et al. **Diabetes** 1986 Nov;35(11):1225–8

Interferon-mediated induction of Ia antigen expression on isolated murine whole islets and dispersed islet cells. Wright JR Jr, et al. **Diabetes** 1986 Oct;35(10):1174–7

Effects of interferon-gamma and other cytokines on collagen synthesis in fetal rat bone cultures. Smith DD, et al. **Endocrinology** 1987 Jun;120(6):2494–9

Interferon gamma regulates HLA-D expression on solid tumors in vivo. Balkwill FR, et al. **Eur J Cancer Clin Oncol** 1987 Jan;23(1):101–6

Interferon-gamma restores T lymphocyte proliferation of nonresponders to IgG1 anti-CD3 via the induction of Fc gamma 1 receptors on monocytes. Benichou G, et al. **Eur J Immunol** 1987 Aug;17(8):1175–81

Selective up-regulation by interferon-gamma of surface molecules of the Ly-6 complex in resting T cells: the Ly-6A/E and TAP antigens are preferentially enhanced. Dumont FJ, et al. **Eur J Immunol** 1987 Aug;17(8):1183–91

The effect of recombinant interferon-gamma on human monocyte-derived macrophages. Jungi TW, et al. **Eur J Immunol** 1987 May;17(5):735–8

Interferon-gamma induces expression of the interleukin 2 receptor gene in human monocytes. Rambaldi A, et al. **Eur J Immunol** 1987 Jan;17(1):153–6

Gamma interferon and 1,25 dihydroxyvitamin D3 cooperate in the induction of monocytoid differentiation but not in the functional activation of the HL-60 promyelocytic leukemia cell line. Ball ED, et al. **Exp Hematol** 1986 Dec; 14(11):998–1005

Effect of recombinant gamma interferon on chronic myelogenous leukemia bone marrow progenitors. McGlave P, et al. **Exp Hematol** 1987 May;15(4):331–5

Ultrastructural analysis of the anti-chlamydial activity of recombinant murine interferon-gamma. de la Maza LM, et al. **Exp Mol Pathol** 1987 Aug;47(1):13–25

Recombinant gamma-interferon stimulates iodide uptake and cyclic AMP production by the FTRL5 thyroid cell line. Weetman AP. **FEBS Lett** 1987 Aug 31;221(1):91–4

Differential expression of the HLA-DR genes in various melanoma cell lines treated with interferon-gamma: methylation of the HLA-DR alpha gene in these lines is not correlated with its expression. Carrington MN, et al. **Hum Immunol** 1987 Feb;18(2):151–61

Differential susceptibility to modulation by recombinant immune interferon of HLA-DR and -DQ antigens synthesized by melanoma COLO 38 cells. Giacomini P, et al. **Hybridoma** 1986 Winter;5(4):277–88

Human monocytes tumoricidal activity: the role of interferon-gamma and bacterial lipopolysaccharide in its stimulation, preservation and decay. Fischer DG, et al. **Immunobiology** 1986 Aug;172(1-2):110–9

Differential effects of beta- and gamma-interferons on natural killer cell-mediated lysis of lung carcinoma cells. Krishnamurti C, et al. **Immunobiology** 1987 Mar; 174(2):221–32

Noncytocidal mechanisms of action of tumor necrosis factor-alpha on human tumor cells: enhancement of HLA gene expression synergistic with interferon-gamma. Scheurich P, et al. **Immunobiology** 1986 Sep; 172(3-5):291–300

The influence of interferon-gamma and various phagocytic stimuli on the expression of MHC-class II antigens on human monocytes—relation to the generation of reactive oxygen intermediates. Volk HD, et al. **Immunol Lett** 1986 Oct;13(4):209–14

Molecular transductional mechanisms by which IFN gamma and other signals regulate macrophage development. Adams DO, et al. **Immunol Rev** 1987 Jun;97:5–27 (60 ref.)

Enhancement of the B-cell response to Staphylococcus aureus Cowan strain I by natural human gamma interferon. Aoki N, et al. **Immunology** 1987 Jan;60(1):51–5

Rapid intracellular calcium changes in U937 monocyte cell line: transient increases in response to platelet-activating factor and chemotactic peptide but not interferon-gamma or lipopolysaccharide. Maudsley DJ, et al. **Immunology** 1987 Jun;61(2):189–94

Modulation of pulmonary macrophage superoxide release and tumoricidal activity following activation by biological response modifiers. Drath DB. **Immunopharmacology** 1986 Oct;12(2):117–26

Influence of 1,25-(OH)2 vitamin D3 and gamma interferon on the phenotype of human peripheral blood monocyte-derived macrophages. Poulter LW, et al. **Infect Immun** 1987 Sep;55(9):2017–20

Effect of gamma interferon on hydrogen peroxide production by cultured mouse peritoneal macrophages. Sharp AK, et al. **Infect Immun** 1986 Nov;54(2):597–9

Mycobacterium leprae-burdened macrophages are refractory to activation by gamma interferon. Sibley LD, et al. **Infect Immun** 1987 Feb;55(2):446–50

Phenotypic profile of clones from early cultures of human metastatic melanomas and its modulation by recombinant interferon gamma. Anichini A, et al. **Int J Cancer** 1986 Oct 15;38(4):505–11

In vitro antigenic modulation of human neuroblastoma cells induced by IFN-gamma, retinoic acid and dibutyryl cyclic AMP. Gross N, et al. **Int J Cancer** 1987 Apr 15;39(4):521–9

Synergism of recombinant human interferon gamma with liposome-encapsulated muramyl tripeptide in activation of the tumoricidal properties of human monocytes. Sone S, et al. **Int J Cancer** 1986 Oct 15;38(4):495–500

Quantitative modifications of major histocompatibility complex (MHC) antigens induced by recombinant gamma interferon in two human breast cancer lines. Calvo F, et al. **Int J Immunopharmacol** 1987;9(4):459–68

Effect of interferon alpha, interferon beta, and interferon gamma on the in vitro growth of human renal adenocarcinoma cells. Kuebler JP, et al. **Invest New Drugs** 1987;5(1):21–9

Time-dependent differential effects of natural and recombinant murine interferon-gamma on ornithine decarboxylase activity of tumor cells. Gandino L, et al. **J Biochem (Tokyo)** 1987 Apr;101(4):927–32

Synthesis in vitro of 1,25-dihydroxyvitamin D3 and 24,25-dihydroxyvitamin D3 by interferon-gamma-stimulated normal human bone marrow and alveolar macrophages. Reichel H, et al. **J Biol Chem** 1987 Aug 15;262(23):10931–7

Different and synergistic actions of human tumor necrosis factor and interferon-gamma in damage of liposome membranes. Yoshimura T, et al. **J Biol Chem** 1987 Apr 5;262(10):4597–601

Different proteins are induced by alpha- and gamma-interferon in hairy cell leukemia. Samuels BL, et al. **J Biol Response Mod** 1987 Jun;6(3):268–74

Induction of 2',5'-oligoadenylate synthetase activity in peripheral blood mononuclear cells by gamma interferon. Triozzi PL, et al. **J Biol Response Mod** 1986 Dec; 5(6):562–70

Establishment of murine macrophage hybridoma clones capable of acquiring tumoricidal activity upon activation with recombinant interferon-gamma and lipopolysaccharide. Kiyotaki C, et al. **J Cancer Res Clin Oncol** 1987;113(4):383–6

Inhibition of fibroblast chemotaxis by recombinant human interferon gamma and interferon alpha. Adelmann-Grill BC, et al. **J Cell Physiol** 1987 Feb;130(2):270–5

Induction of major histocompatibility class I antigens by interferons in undifferentiated F9 cells. Wan YJ, et al. **J Cell Physiol** 1987 Feb;130(2):276–83

Inhibitory effect of interferon-gamma on the response of human thyrocytes to thyrotropin (TSH) stimulation: relationship between the response to TSH and the expression of DR antigen. Nagayama Y, et al. **J Clin Endocrinol Metab** 1987 May;64(5):949–53

Gamma-interferon inhibits collagen synthesis in vivo in the mouse. Granstein RD, et al. **J Clin Invest** 1987 Apr; 79(4):1254–8

Effect of gamma interferon on cachectin expression by mononuclear phagocytes. Reversal of the lpsd (endotoxin resistance) phenotype. Beutler B, et al. **J Exp Med** 1986 Nov 1;164(5):1791–6

Gamma interferon enhances macrophage transcription of the tumor necrosis factor/cachectin, interleukin 1, and urokinase genes, which are controlled by short-lived repressors. Collart MA, et al. **J Exp Med** 1986 Dec 1; 164(6):2113–8

Interferon gamma and lymphotoxin or tumor necrosis factor act synergistically to induce macrophage killing of tumor cells and schistosomula of Schistosoma mansoni. Esparza I, et al. **J Exp Med** 1987 Aug 1;166(2):589–94

Recombinant gamma interferon induces hypertriglyceridemia and inhibits post-heparin lipase activity in cancer patients. Kurzrock R, et al. **J Exp Med** 1986 Oct 1;164(4):1093–101

Antagonistic effects of gamma interferon and steroids on tissue antigenicity. Leszczynski D, et al. **J Exp Med** 1986 Nov 1;164(5):1470–7

Tumor necrosis factor and lymphotoxin induce differentiation of human myeloid cell lines in synergy with immune interferon. Trinchieri G, et al. **J Exp Med** 1986 Oct 1; 164(4):1206–25

Recombinant human interferon-gamma inhibits adenovirus multiplication in vitro. Mistchenko AS, et al. **J Gen Virol** 1987 Mar;68 (Pt 3):941–4

Independent regulation of the antiviral states induced by MuIFN-alpha/beta and by MuIFN-gamma. Ramamurthy V, et al. **J Gen Virol** 1986 Oct;67 (Pt 10):2223–6

Modulation of the expression of HLA class II antigens by gamma interferon and phorbol ester TPA on myeloid leukaemic cell lines. Alonso MC, et al. **J Immunogenet** 1986 Apr-Jun;13(2-3):255–61

The differential inhibition of hemopoietic growth factor activity by cytotoxins and interferon-gamma. Barber KE, et al. **J Immunol** 1987 Aug 15;139(4):1108–12

Identification of an interferon-gamma response region 5' of the human histocompatibility leukocyte antigen DR alpha chain gene which is active in human glioblastoma multiforme lines. Basta PV, et al. **J Immunol** 1987 Feb 15; 138(4):1275–80

Interferon-gamma-activated human monocytes inhibit the intracellular multiplication of Legionella pneumophila. Bhardwaj N, et al. **J Immunol** 1986 Oct 15;137(8):2662–9

In vivo and in vitro activation of alveolar macrophages by recombinant interferon-gamma. Black CM, et al. **J Immunol** 1987 Jan 15;138(2):491–5

Recombinant IL 2 but not recombinant interferon-gamma stimulates both proliferation and IgM secretion in a Ly-1+ clone of neoplastic murine B cells (BCL1). Brooks KH, et al. **J Immunol** 1986 Nov 15;137(10):3205–10

Role of protein kinase C and intracellular calcium mobilization in the induction of macrophage tumoricidal activity by interferon-gamma. Celada A, et al. **J Immunol** 1986 Oct 1;137(7):2373–9

Effects of interferon-gamma and tumor necrosis factor-alpha on the expression of an Ia antigen on a murine macrophage cell line. Chang RJ, et al. **J Immunol** 1986 Nov 1; 137(9):2853–6

Human interferon-gamma acts as a B cell growth factor in the anti-IgM antibody co-stimulatory assay but has no direct B cell differentiation activity. Defrance T, et al. **J Immunol** 1986 Dec 15;137(12):3861–7

Sequential effects of prostaglandins and interferon-gamma on differentiation of CD8+ suppressor cells. ElMasry MN, et al. **J Immunol** 1987 Aug 1;139(3):688–94

Mycobacterial growth inhibition by interferon-gamma-activated bone marrow macrophages and differential susceptibility among strains of Mycobacterium tuberculosis. Flesch I, et al. **J Immunol** 1987 Jun 15;138(12):4408–13

Dissection of defective antigen presentation by interferon-gamma-treated fibroblasts. Geppert TD, et al. **J Immunol** 1987 Jan 15;138(2):385–92

Differential effects of interferon-alpha and interferon-gamma on interleukin 1 secretion by monocytes. Gerrard TL, et al. **J Immunol** 1987 Apr 15;138(8):2535–40

Glucocorticoids enhance the gamma-interferon augmentation of human monocyte immunoglobulin G Fc receptor expression. Girard MT, et al. **J Immunol** 1987 May 15;138(10):3235–41

Expression of functional IL 2 receptors by lipopolysaccharide and interferon-gamma stimulated human monocytes. Holter W, et al. **J Immunol** 1987 May 1;138(9):2917–22

Regulation of HLA class II antigen expression: intracellular

signaling molecules responsible for the regulation by IFN-gamma and cross-linking of Fc receptors in HL-60 cells. Ina Y, et al. **J Immunol** 1987 Sep 1;139(5):1711-7

Natural suppressor (NS) activity from murine neonatal spleen is responsive to IFN-gamma. Maier T, et al. **J Immunol** 1987 Jun 15;138(12):4075-84

Increased superoxide anion release from human endothelial cells in response to cytokines. Matsubara T, et al. **J Immunol** 1986 Nov 15;137(10):3295-8

Characterization of a monoclonal antibody-defined human melanoma-associated antigen susceptible to induction by immune interferon. Matsui M, et al. **J Immunol** 1987 Sep 15;139(6):2088-95

Differential presentation of HLA-DR, DQ, and DP restriction elements by interferon-gamma-treated dermal fibroblasts. Maurer DH, et al. **J Immunol** 1987 Aug 1; 139(3):715-23

Immune interferon enhances the production of interleukin 1 by human endothelial cells stimulated with lipopolysaccharide. Miossec P, et al. **J Immunol** 1986 Nov 1;137(9):2848-52

Interferon-gamma suppresses B cell stimulation factor (BSF-1) induction of class II MHC determinants on B cells. Mond JJ, et al. **J Immunol** 1986 Dec 1;137(11):3534-7

In vitro and in vivo activation of human mononuclear phagocytes by interferon-gamma. Studies with normal and AIDS monocytes. Murray HW, et al. **J Immunol** 1987 Apr 15;138(8):2457-62

Induction of platelet cytotoxic functions by lymphokines: role of interferon-gamma. Pancre V, et al. **J Immunol** 1987 Jun 15;138(12):4490-5

Inhibition of B lymphocyte activation by interferon-gamma. Reynolds DS, et al. **J Immunol** 1987 Aug 1;139(3):767-73

Effects of interferon-gamma on proto-oncogene expression during induction of human monocytic differentiation. Sariban E, et al. **J Immunol** 1987 Mar 15;138(6):1954-8

Interferon-gamma inhibits the intrahepatocytic development of malaria parasites in vitro. Schofield L, et al. **J Immunol** 1987 Sep 15;139(6):2020-5

Interferon-gamma enhances expression of secretory component, the epithelial receptor for polymeric immunoglobulins. Sollid LM, et al. **J Immunol** 1987 Jun 15;138(12):4303-6

Induction of nitrite/nitrate synthesis in murine macrophages by BCG infection, lymphokines, or interferon-gamma. Stuehr DJ, et al. **J Immunol** 1987 Jul 15;139(2):518-25

Recombinant human interferon-gamma inhibits formation of human osteoclast-like cells. Takahashi N, et al. **J Immunol** 1986 Dec 1;137(11):3544-9

Differential effects of type I IFN and IFN-gamma on the binding of tumor necrosis factor to receptors in two human cell lines. Tsujimoto M, et al. **J Immunol** 1986 Oct 1; 137(7):2272-6

Immunochemical and functional analysis of HLA class II antigens induced by recombinant immune interferon on normal epidermal melanocytes. Tsujisaki M, et al. **J Immunol** 1987 Feb 15;138(4):1310-6

Inability of recombinant interferon-gamma to activate the antibacterial activity of mouse peritoneal macrophages against Listeria monocytogenes and Salmonella typhimurium. van Dissel JT, et al. **J Immunol** 1987 Sep 1;139(5):1673-8

Selective inhibition of 28S ribosomal RNA in macrophages activated by interferon-gamma or -beta. Varesio L, et al. **J Immunol** 1987 Apr 1;138(7):2332-7

Mechanism of escape of exoerythrocytic forms (EEF) of malaria parasites from the inhibitory effects of interferon-gamma. Vergara U, et al. **J Immunol** 1987 Jun 15;138(12):4447-9

Differential mRNA responses in human macrophages activated by interferon-gamma and muramyl dipeptide. Vermeulen MW, et al. **J Immunol** 1987 Jul 1;139(1):7-9

The isolation and characterization of enriched microvascular endothelial cells from mouse adipose tissue. The induction of class II molecules of the major histocompatibility complex (MHC) by interferon-gamma (IFN-gamma). Launder TM, et al. **J Immunol Methods** 1987 Aug 24; 102(1):45-52

In vitro activation of the antibacterial activity of human pulmonary macrophages by recombinant gamma interferon. Jensen WA, et al. **J Infect Dis** 1987 Mar; 155(3):574-7

Relation of cytosolic calcium to the microbicidal activation of blood monocytes by recombinant gamma interferon. Kemmerich B, et al. **J Infect Dis** 1986 Nov;154(5):770-7

Effects of antifungal agents and gamma interferon on macrophage cytotoxicity for fungi and tumor cells. Perfect JR, et al. **J Infect Dis** 1987 Aug;156(2):316-23

Induction of tryptophan degradation in vitro and in vivo: a gamma-interferon-stimulated activity. Byrne GI, et al. **J Interferon Res** 1986 Aug;6(4):389-96

Nonidentical induction of the guanylate binding protein and the 56K protein by type I and type II interferons. Cheng YS, et al. **J Interferon Res** 1986 Aug;6(4):417-27

Direct and cell-mediated effects of interferon-alpha and -gamma on cells chronically infected with HTLV-III. Dolei A, et al. **J Interferon Res** 1986 Oct;6(5):543-9

Effect of treatment with interferon-gamma and concanavalin A on the course of infection of mice with Salmonella typhimurium strain LT-2. Gould CL, et al. **J Interferon Res** 1987 Jun;7(3):255-60

Interferon-gamma-induced expression of class I HLA antigens on K-562 cells grown in serum-free medium. Ichiki AT, et al. **J Interferon Res** 1987 Feb;7(1):87-93

Synergistic effects of HuIFN-gamma on 2',5'-oligoadenylate synthetase induction by HuIFN-alpha. Justesen J, et al. **J Interferon Res** 1986 Aug;6(4):445-54

Characterization of an interferon-resistant mutant of the human breast cancer cell line BT-20. Marth C, et al. **J Interferon Res** 1987 Apr;7(2):195-202

Interferon-gamma potentiation of lipopolysaccharide-induced eicosanoid release from human monocytes. Nichols FC, et al. **J Interferon Res** 1987 Feb; 7(1):121-9

Interferon-beta inhibition of concanavalin A-stimulated calcium uptake and exchange in HeLa cells. Pfeffer LM, et al. **J Interferon Res** 1986 Oct;6(5):551-6

Differential modulation of 7,12-dimethylbenz[a]anthracene metabolism in cultured keratinocytes by murine interferon-gamma. Reiners JJ Jr. **J Interferon Res** 1987 Jun;7(3):321-7

Effects of interferons-alpha, -beta, and -gamma on human interleukin-2 production. Rosztóczy I, et al. **J Interferon Res** 1986 Oct;6(5):581-9

Interferon-gamma enhances biosynthesis of pterins in peripheral blood mononuclear cells by induction of GTP-cyclohydrolase I activity. Schoedon G, et al. **J Interferon Res** 1986 Dec;6(6):697-703

Treatment of murine interferon-alpha/beta-sensitive and -resistant friend leukemia cells with tumor necrosis factor in combination with murine interferon-alpha/beta or -gamma. Van der Heyden J, et al. **J Interferon Res** 1986 Dec;6(6):633-8

Induction of new proteins by gamma interferon in cultured human keratinocytes. Mansbridge JN, et al. **J Invest Dermatol** 1987 May;88(5):602-10

Serum-mediated inhibition of the interferon-gamma-induced HLA-DR expression on monocytes in patients with psoriasis. Volk HD, et al. **J Invest Dermatol** 1986 Oct; 87(4):524-7

Activation of murine polymorphonuclear neutrophils for fungicidal activity by recombinant gamma interferon. Morrison CJ, et al. **J Leukocyte Biol** 1987 May;41(5):434-40

Effect of measles-virus infection and interferon treatment on invasiveness of Shigella flexneri in HEp2-cell cultures. Bukholm G, et al. **J Med Microbiol** 1986 Dec;22(4):335-41

Gamma interferon, but not Mycobacterium leprae, induces major histocompatibility class II antigens on cultured rat Schwann cells. Samuel NM, et al. **J Neurocytol** 1987 Apr; 16(2):281-7

Cultured human fetal astrocytes can be induced by interferon-gamma to express HLA-DR. Pulver M, et al. **J Neuroimmunol** 1987 Mar;14(2):123-33

MHC antigen expression on bulk isolated macrophage-microglia from newborn mouse brain: induction of Ia antigen expression by gamma-interferon. Suzumura A, et al. **J Neuroimmunol** 1987 Jul-Aug; 15(3):263-78

Modulation of class II (DR and DQ) antigen expression on gingival Langerhans cells in vitro by gamma interferon and prostaglandin E2. Walsh LJ, et al. **J Oral Pathol** 1986 Jul;15(6):347-51

Treatment of trypanosome-infected mice with exogenous interferon, interferon inducers, or antibody to interferon. DeGee AL, et al. **J Parasitol** 1986 Oct;72(5):792-4

Synergistic anticellular and antiviral activities of human recombinant interferon-gamma and -beta. Gomi K, et al. **J Pharmacobiodyn** 1986 Nov;9(11):871-8

Control of collagen synthesis in human chondrocyte cultures by immune interferon and interleukin-1. Goldring MB. **J Rheumatol** 1987 May;14 Spec No:64-6

Effects of recombinant human interferons on rheumatoid arthritis B lymphocytes activated by Epstein-Barr virus. Lotz M, et al. **J Rheumatol** 1987 Feb;14(1):42-5

Enhanced inhibition of anticancer drugs by human recombinant gamma-interferon for human renal cell carcinoma in vitro. Gohji K, et al. **J Urol** 1987 Mar; 137(3):539-43

Expression of interferon-inducible genes in RD-114 cells. Kusari J, et al. **J Virol** 1987 May;61(5):1524-31

Murine gamma interferon inhibits v-mos-induced fibroblast transformation via down regulation of retroviral gene expression. Seliger B, et al. **J Virol** 1987 Aug;61(8):2567-72

Gamma interferon priming of mouse and human macrophages for induction of tumor necrosis factor production by bacterial lipopolysaccharide. Gifford GE, et al. **JNCI** 1987 Jan;78(1):121-4

Synergistic antiproliferative effect of human recombinant interferons and retinoic acid in cultured breast cancer cells. Marth C, et al. **JNCI** 1986 Dec;77(6):1197-202

Modulation of cell proliferation by human recombinant interleukin-1 and immune interferon. Tsai SC, et al. **JNCI** 1987 Jul;79(1):77-81

Restoration of lipopolysaccharide-mediated cytotoxic macrophage induction in C3H/HeJ mice by interferon-gamma or a calcium ionophore. Akagawa KS, et al. **Jpn J Cancer Res** 1987 Mar;78(3):279-87

Different kinetics of antiviral and anticellular activities between human recombinant and natural interferon-gamma arising from different receptor-binding properties. Gomi K, et al. **Jpn J Cancer Res** 1986 Sep;77(9):946-55

Influence of fetal calf serum on growth-inhibitory activity of human recombinant gamma-interferon (GI-3) in vitro. Hanada M, et al. **Jpn J Cancer Res** 1986 Nov; 77(11):1153-60

Augmentation by priming with interferon-gamma of the binding of a muramyl dipeptide derivative to macrophages resulting in synergistic macrophage activation. Nagao S, et al. **Jpn J Cancer Res** 1987 Jan;78(1):80-6

Interleukin 2 induced cytotoxicity on renal cell carcinoma. 2. Synergistic effects of interleukin 2 and interferon gamma. Ueno M. **Keio J Med** 1986 Jun;35(2):90-100

Multiple sclerosis and gamma interferon [letter] Armstrong MA, et al. **Lancet** 1987 Jun 13;1(8546):1369-70

Recombinant interferons or interleukin-2 increase cytotoxicity by human monocytes and NK cells. Frey JR, et al. **Lymphokine Res** 1987 Summer;6(3):215-27

Lymphokines regulate expression of cell surface antigens and production of suppressor factors by murine suppressor T cell hybridomas. Trial J, et al. **Lymphokine Res** 1986 Fall; 5(4):275-87

Interferon-gamma inhibits cell replication, but not pp60src activity of RSV-transformed fibroblasts. Gribaudo G, et al. **Microbiologica** 1987 Jan;10(1):47-53

Interferon-gamma suppresses the growth of Toxoplasma gondii in human fibroblasts through starvation for tryptophan. Pfefferkorn ER, et al. **Mol Biochem Parasitol** 1986 Sep;20(3):215-24

Gamma interferon and 5-azacytidine cause transcriptional elevation of class I major histocompatibility complex gene expression in K562 leukemia cells in the absence of differentiation. Chen E, et al. **Mol Cell Biol** 1986 May; 6(5):1698-705

Interferon-gamma: pleiotropic effects on a rat pancreatic beta cell line. Campbell IL, et al. **Mol Cell Endocrinol** 1987 Jul; 52(1-2):161-7

Interferon and butyrate treatment leads to a decreased sensitivity of NK target cells to lysis by homologous but not by heterologous effector cells. Laskay T, et al. **Nat Immun Cell Growth Regul** 1986;5(4):211-20

HLA class II induction in human islet cells by interferon-gamma plus tumour necrosis factor or lymphotoxin. Pujol-Borrell R, et al. **Nature** 1987 Mar 19-25;326(6110):304-6

Induction of human leukocyte antigen-A,B,C and -DR on cultured human oligodendrocytes and astrocytes by human gamma-interferon. Hirayama M, et al. **Neurosci Lett** 1986 Dec 23;72(3):369-74

Gamma interferon induces novel expression of Ia antigens by rat pancreatic islet endocrine cells. Markmann JF, et al. **Pancreas** 1987;2(3):258-61

Activation by synergism between endotoxin and lymphokines of the mouse macrophage cell line J774 against infection by Trypanosoma cruzi. Alcina A, et al. **Parasite Immunol** 1987 Mar;9(2):175-86

In vitro modification of human immunodeficiency virus infection by granulocyte-macrophage colony-stimulating factor and gamma interferon. Hammer SM, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8734-8

Regulation of murine class I genes by interferons is controlled by regions located both 5' and 3' to the transcription initiation site. Korber B, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3380-4

Interferon gamma induces lung colonization by intravenously inoculated B16 melanoma cells in parallel with enhanced expression of class I major histocompatibility complex antigens. Taniguchi K, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3405-9

Biological characteristics of interferon-r-induced resistant histiocytic lymphoma cell line U937. Ho CK, et al. **Proc Natl Sci Counc Repub China [B]** 1987 Apr;11(2):100-6

Induction of cytotoxic capacity by recombinant gamma interferon in human myelomonocytic leukaemia cell lines [published erratum appears in Scand J Immunol 1987 Jun;25(6):645] Kuosmanen M, et al. **Scand J Immunol** 1987 Mar;25(3):219-23

Interferon-gamma and B cell stimulatory factor-1 reciprocally regulate Ig isotype production. Snapper CM, et al. **Science** 1987 May 22;236(4804):944-7

Tumor necrosis factor reduces c-myc expression and cooperates with interferon-gamma in HeLa cells. Yarden A, et al. **Science** 1986 Dec 12;234(4782):1419-21

Recombinant gamma interferon induces class II major histocompatibility complex antigens on insulinoma cells. van Vliet E, et al. **Tissue Antigens** 1987 Apr;29(4):195-200

Inhibition of Epstein-Barr virus infection in vitro by recombinant human interferons alpha and gamma. Kure S, et al. **Virus Res** 1986 Sep;5(4):377-90

[Morphological changes of human neuroblastoma cells induced by human gamma interferon] Imanishi J, et al. **C R Soc Biol (Paris)** 1987;181(1):94-9 (Eng. Abstr.) **(Fre)**

[Inhibition of colony formation by a human tumor degenerating factor (TDF); enhancement of this effect by interferons] Imanishi J, et al. **C R Soc Biol (Paris)** 1986; 180(5):596-600 (Eng. Abstr.) **(Fre)**

[Induction of tumoricidal properties in human monocytes by synergism between interferon-gamma and liposome-entrapped muramyl tripeptide] Utsugi T, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(11):3161-8 (Eng. Abstr.) **(Jpn)**

[In vitro effect of native and recombinant human interferon-beta or -gamma on adenovirus infection, measured by enzyme immunoassay] Ito M. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1617-23 (Eng. Abstr.) **(Jpn)**

[Recombinant gamma-interferon provides effective protection of cellular DNA against mutagens] Zasukhina GD, et al. **Dokl Akad Nauk SSSR** 1987;294(2):484–7 **(Rus)**

[Gamma-interferon: its physicochemical properties, methods of isolation and proposed mechanisms for the realization of its biological activity] Vintukhov AA. **Tr Inst Pastera** 1985;62:104–8 (49 ref.) **(Rus)**

PHYSIOLOGY

Peripheral blood and synovial fluid monocyte activation in inflammatory arthritis. II. Low levels of synovial fluid and synovial tissue interferon suggest that gamma-interferon is not the primary macrophage activating factor. Firestein GS, et al. **Arthritis Rheum** 1987 Aug;30(8):864–71

Specific membrane receptors for human interferon-gamma (IFN-gamma). Ucer U, et al. **Behring Inst Mitt** 1987 Jun; (81):88–97

The actions of interferon and antiinflammatory agents of induction of indoleamine 2,3-dioxygenase in human peripheral blood monocytes. Ozaki Y, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1147–53

Synergism of tumor necrosis factor and interferon-gamma in induction of differentiation of human myeloblastic leukemic ML-1 cells. Takuma T, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):514–21

Gamma interferon and calcitriol formation by human macrophages [letter] Rook GA. **Bioessays** 1986 Jul;5(1):40

Gamma-interferon in aplastic anemia: inability to detect significant levels in sera or demonstrate hematopoietic suppressing activity. Torok-Storb B, et al. **Blood** 1987 Feb; 69(2):629–33

Distinct functional domains on the recombinant human immune interferon molecule. Ziai MR, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6187–90

Teratocarcinoma cell MHC antigen expression is regulated in vitro by a soluble noninterferon factor. Ostrand-Rosenberg S, et al. **Cell Immunol** 1986 May; 99(2):453–60

Sensitivity of human germ-cell-tumor cell lines to human interferons. Sekiya S, et al. **Differentiation** 1987;33(3):266–9

IFN-gamma receptors on human tumor cells: relationship between receptor ligand interactions and induction of IFN-gamma response. Berkovic D, et al. **Immunobiology** 1986 Sep;172(3–5):243–9

IFN-gamma is not an essential mediator of murine antibody responses in vitro. Latta SL, et al. **Immunol Lett** 1987 Apr; 14(4):355–8

Gamma interferon-mediated increase in the number of Ia-bearing macrophages during infection with Listeria monocytogenes. Koga T, et al. **Infect Immun** 1987 Sep; 55(9):2300–3

Peroxide and pteridine: a hypothesis on the regulation of macrophage antimicrobial activity by interferon gamma. Nathan CF. **Interferon** 1986;7:125–43 (56 ref.)

Gamma-interferon: physiology and speculation on its role in medicine. Bonnem EM, et al. **J Biol Response Mod** 1987 Jun;6(3):275–301 (193 ref.)

Treatment of mice with macrophage colony stimulating factor (CSF-1) prevents the in vivo myelosuppression induced by murine alpha, beta, and gamma interferons. Koren S, et al. **J Biol Response Mod** 1986 Oct;5(5):481–9

Inhibition of endothelial cell proliferation by gamma-interferon. Friesel R, et al. **J Cell Biol** 1987 Mar; 104(3):689–96

A T cell-independent mechanism of macrophage activation by interferon-gamma. Bancroft GJ, et al. **J Immunol** 1987 Aug 15;139(4):1104–7

Interferon blocks interleukin 1-induced prostaglandin release from human peripheral monocytes. Browning JL, et al. **J Immunol** 1987 May 1;138(9):2857–63

Tumor necrosis factor is an important mediator of tumor cell killing by human monocytes. Feinman R, et al. **J Immunol** 1987 Jan 15;138(2):635–40

Interferon-gamma regulates the T cell response to precursor nevi and biologically early melanoma. Guerry D 4th, et al. **J Immunol** 1987 Jul 1;139(1):305–12

Monoclonal antibodies against murine IFN-gamma abrogate in vivo tumor immunity against RSV-induced murine sarcomas. Prat M, et al. **J Immunol** 1987 Jun 15; 138(12):4530–3

Identification of interferon-gamma as the lymphokine that mediates leukotriene B4-induced immunoregulation. Rola-Pleszczynski M, et al. **J Immunol** 1987 Jul 15; 139(2):513–7

Macrophage activation for antileishmanial defense by an apparently novel mechanism. Wyler DJ, et al. **J Immunol** 1987 Feb 15;138(4):1246–9

Recombinant interferon-gamma stimulates the production of human tumor necrosis factor in vitro. Scuderi P, et al. **J Interferon Res** 1987 Apr;7(2):155–64

Dissection of the antigen presenting function of tissue cells induced to express HLA-DR by gamma interferon. Geppert TD, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:59–62

Human macrophages degrade tryptophan upon induction by interferon-gamma. Werner ER, et al. **Life Sci** 1987 Jul 20; 41(3):273–80

Regulation of a transfected human class II major histocompatibility complex gene in human fibroblasts. Boss JM, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9139–43

Interferon-gamma regulates an antigen specific for endothelial cells involved in lymphocyte traffic. Duijvestijn AM, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9114–8

Interferons regulate the in vitro differentiation of multilineage lympho-myeloid stem cells in hairy cell leukemia. Michalevicz R, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2307–11

Neither interleukin 2 nor gamma interferon directly promote growth or differentiation of mouse B cells. Julius MH, et al. **Scand J Immunol** 1987 Feb;25(2):195–202

The role of gamma interferon in B-cell activation. Pischedda F, et al. **Scand J Immunol** 1987 Mar;25(3):315–8

Modulation of interferon-gamma induction of Ia expression. Implications for mechanisms of interferon-gamma signal transduction. Sternberg E. **Year Immunol** 1986;2:152–63 (50 ref.)

RADIATION EFFECTS

Radiation inactivation and target size analysis of interferons. Kempner ES, et al. **Methods Enzymol** 1986;119:255–60

STANDARDS

Standardization of human IFN gamma in comparison with other interferons. Meager A. **Lymphokine Res** 1986;5 Suppl 1:S111–4

THERAPEUTIC USE

Interferon-gamma treatment of metastasized malignant melanoma. Haase KD, et al. **Anticancer Res** 1987 May-Jun; 7(3 Pt B):335–6

In vivo synergism of roxithromycin (RU 965) and interferon against Toxoplasma gondii. Hofflin JM, et al. **Antimicrob Agents Chemother** 1987 Feb;31(2):346–8

Cytotoxic effects of tumour necrosis factor and gamma-interferon on acute myeloid leukaemia blasts. Price G, et al. **Br J Cancer** 1987 Mar;55(3):287–90

Effects of recombinant interferon-gamma and chemotherapy with isoniazid and rifampicin on infections of mouse peritoneal macrophages with Listeria monocytogenes and Mycobacterium microti in vitro. Khor M, et al. **Br J Exp Pathol** 1986 Oct;67(5):707–17

Atopic manifestations in the acquired immune deficiency syndrome: response to recombinant interferon gamma. Parkin JM, et al. **Br Med J [Clin Res]** 1987 May 9; 294(6581):1185–6

Phase II study of recombinant human interferon gamma (S-6810) on renal cell carcinoma. Summary of two collaborative studies. Recombinant Human Interferon Gamma (S-6810) Research Group on Renal Cell Carcinoma. **Cancer** 1987 Sep 1;60(5):929–33

Recombinant interferon beta and gamma in the treatment of adult T-cell leukemia. Tamura K, et al. **Cancer** 1987 Mar 15;59(6):1059–62

Subcutaneous recombinant gamma interferon in cancer patients: toxicity, pharmacokinetics, and immunomodulatory effects. Thompson JA, et al. **Cancer Immunol Immunother** 1987;25(1):47–53

A phase I study of recombinant interferon gamma administered by s.c. injection three times per week in patients with solid tumours. Wagstaff J, et al. **Cancer Immunol Immunother** 1987;25(1):54–8

Therapeutic potential of tumor necrosis factor-alpha and gamma-interferon in experimental human ovarian cancer. Balkwill FR, et al. **Cancer Res** 1987 Sep 15;47(18):4755–8

Activation or suppression of the tumoricidal properties of monocytes from cancer patients following treatment with human recombinant gamma-interferon. Kleinerman ES, et al. **Cancer Res** 1986 Oct;46(10):5401–5

Characterization of the indirect antitumor effect of gamma-interferon using ascites-associated macrophages in a human tumor clonogenic assay. Saito T, et al. **Cancer Res** 1987 Feb 1;47(3):673–9

Induction of tumoricidal activity in isolated rat liver macrophages by liposomes containing recombinant rat gamma-interferon supplemented with lipopolysaccharide or muramyldipeptide. Stukart MJ, et al. **Cancer Res** 1987 Jul 15;47(14):3880–5

Immunomodulatory and immunotherapeutic properties of recombinant gamma-interferon and recombinant tumor necrosis factor in mice. Talmadge JE, et al. **Cancer Res** 1987 May 15;47(10):2563–70

Phase II study of recombinant interferon-gamma in patients with disseminated malignant melanoma. Creagan ET, et al. **Cancer Treat Rep** 1987 Sep;71(9):843–4

Phase II study of recombinant gamma-interferon in patients with advanced nonosseous sarcomas. Edmonson JH, et al. **Cancer Treat Rep** 1987 Feb;71(2):211–3

Improvement in cardiac ectopy during gamma interferon infusion: a case report [letter] Friess GG, et al. **Cancer Treat Rep** 1986 Dec;70(12):1463–4

Lymphokines and monokines in anti-cancer therapy. Fiers W, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:587–95

The potency of interferon-alpha 2 and interferon-gamma in a combination therapy of dendritic keratitis. A controlled clinical study. Sundmacher R, et al. **Curr Eye Res** 1987 Jan;6(1):273–6

Recombinant human interferon alpha-2 and juvenile chronic myelogenous leukemia: cell receptor binding, enzymatic induction, and growth suppression in vitro. Estrov Z, et al. **Exp Hematol** 1987 Feb;15(2):127–32

In vivo anti-tumour activity of recombinant human and murine TNF, alone and in combination with murine IFN-gamma, on a syngeneic murine melanoma. Brouckaert PG, et al. **Int J Cancer** 1986 Nov 15;38(5):763–9

Recombinant gamma interferon in advanced breast cancer: a phase II trial. Muss HB, et al. **Invest New Drugs** 1986; 4(4):377–81

Phase II studies of recombinant human interferon gamma in metastatic renal cell carcinoma. Quesada JR, et al. **J Biol Response Mod** 1987 Feb;6(1):20–7

Phase I/II trial of recombinant gamma-interferon in patients with renal cell carcinoma: immunologic and biologic effects. Rinehart JJ, et al. **J Biol Response Mod** 1987 Jun; 6(3):302–12

Comparison of the effects of three different treatment regimens of recombinant interferons (r-IFN alpha, r-IFN gamma, and r-IFN alpha + cimetidine) in disseminated malignant melanoma. Steiner A, et al. **J Cancer Res Clin Oncol** 1987;113(5):459–65

A phase I clinical trial of recombinant DNA gamma interferon. Brown TD, et al. **J Clin Oncol** 1987 May; 5(5):790–8

Antitumor effect of human recombinant interferon-gamma and -beta against human osteosarcoma transplanted into nude mice. Gomi K, et al. **J Pharmacobiodyn** 1986 Nov; 9(11):879–88

Experimental studies on the combined effects of alpha and gamma interferons against human tumor xenografts transplanted into nude mice. Nosoh Y, et al. **Jpn J Surg** 1987 May;17(3):168–73

Gamma interferon and psoriasis [letter] Schulze HJ, et al. **Lancet** 1986 Oct 18;2(8512):926–7

Endogenous gamma interferon production may protect against hepatic cirrhosis and administration of exogenous gamma interferon may protect individuals prone to cirrhosis. Sharpe RJ. **Med Hypotheses** 1987 Apr; 22(4):415–9

Weight change and peptide hormone responses in patients receiving interferon. Hurley RS, et al. **Nutr Cancer** 1987; 10(1–2):89–94

Cytostatic effect of interferon-gamma and monocyte against a human carcinoma cell line. Hsieh JT, et al. **Proc Natl Sci Counc Repub China [B]** 1985 Jan;9(1):50–5

The effect of alpha and gamma-interferon on proliferation and production of IgE and beta 2-microglobulin in the human myeloma cell line U-266 and in an alpha-interferon resistant U-266 subline. Brenning G, et al. **Scand J Haematol** 1986 Oct;37(4):280–8

[Interferon-gamma in the therapy of chronic polyarthritis] Obert HJ, et al. **Arzneimittelforschung** 1986 Oct; 36(10):1557–60 (Eng. Abstr.) **(Ger)**

[Gamma interferon in psoriasis arthropathica (letter)] Bolten W. **Dtsch Med Wochenschr** 1986 Nov 7;111(45):1742 **(Ger)**

[Effectiveness of gamma interferon and alpha interferon in hairy cell leukemia] Niederle N, et al. **Klin Wochenschr** 1987 Jul 15;65(14):706–12 (Eng. Abstr.) **(Ger)**

[Therapeutic procedure in hairy cell leukemia] von Wussow P. **Klin Wochenschr** 1987 Jul 15;65(14):677–80 **(Ger)**

[Treatment of nasopharyngeal cancer with recombinant gamma interferon (IFN). A report based on 2 patients] Zanetti F, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Jan; 66(1):54–6 (Eng. Abstr.) **(Ger)**

[A case of hypopharyngeal cancer responding to recombinant interferon-gamma (KW-2202)] Enomoto T, et al. **Gan To Kagaku Ryoho** 1987 Feb;14(2):536–9 (Eng. Abstr.) **(Jpn)**

[Phase II study of natural interferon-gamma. Natural Interferon-gamma Cooperative Study Group] Furue H. **Gan To Kagaku Ryoho** 1987 Aug;14(8):2542–7 (Eng. Abstr.) **(Jpn)**

[Phase I study of natural interferon-gamma] Furue H, et al. **Gan To Kagaku Ryoho** 1987 Aug;14(8):2537–41 (Eng. Abstr.) **(Jpn)**

[Evaluation of rIFN-gamma in the treatment of lymphoma and melanoma of the skin by systemic and intralesional administration] Jimbow K, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):152–8 (Eng. Abstr.) **(Jpn)**

[Phase II study of recombinant human interferon gamma (S-6810) in renal cell carcinoma. Urological Cooperative Study Group of Recombinant Human Interferon Gamma (S-6810)] Machida T, et al. **Gan To Kagaku Ryoho** 1987 Feb;14(2):440–5 (Eng. Abstr.) **(Jpn)**

[Direct anti-tumor effect of recombinant human IFN-gamma evaluated in ovarian pseudomyxoma peritoneally transplanted into nude mice] Miyahara K, et al. **Gan To Kagaku Ryoho** 1987 Feb;14(2):411–5 (Eng. Abstr.) **(Jpn)**

[Phase I study of a recombinant gamma interferon (S-6810)] Ogawa M, et al. **Gan To Kagaku Ryoho** 1987 Feb; 14(2):446–52 (Eng. Abstr.) **(Jpn)**

[Comparative study on the cytotoxic effects, on various human tumor cell lines, of recombinant human TNF and IFN (alpha, beta, gamma)] Ogawara M, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 1):741–3 **(Jpn)**

[Direct and indirect antitumor effect of murine recombinant interferons] Sakurai M, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):889–95 (Eng. Abstr.) **(Jpn)**

[Treatment of various malignancies with recombinant IFN-gamma (S-6810). The IFN-gamma Study Group] Takaku F. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 1):645–52 (Eng. Abstr.) **(Jpn)**

[Potentiation of the cytotoxic effects of anticancer drugs on human genitourinary neoplastic cells by recombinant

gamma-interferon] Yamamoto S, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 1):699-705 (Eng. Abstr.) **(Jpn)**

[Enhancement of LAK activity with recombinant gamma-IFN in patients with hepatocellular carcinoma] Matsuura Y. **Nippon Shokakibyo Gakkai Zasshi** 1987 May; 84(5):1140 **(Jpn)**

TOXICITY

Toxicity of tumor necrosis factor is synergistic with gamma-interferon and can be reduced with cyclooxygenase inhibitors. Talmadge JE, et al. **Am J Pathol** 1987 Sep;128(3):410-25

A toxicity study of recombinant interferon-gamma given by intravenous infusion to patients with advanced cancer. Sriskandan K, et al. **Cancer Chemother Pharmacol** 1986; 18(1):63-8

DNA fragmentation and cytotoxicity caused by tumor necrosis factor is enhanced by interferon-gamma. Dealtry GB, et al. **Eur J Immunol** 1987 May;17(5):689-93

INTERFERONS

see related

VIRAL INTERFERENCE

Interferons and their actions. Pestka S, et al. **Annu Rev Biochem** 1987;56:727-77 (553 ref.)

Re: Leukoregulin, a direct-acting anticancer immunological hormone that is distinct from lymphotoxin and interferon [letter] Doyle MV, et al. **Cancer Res** 1987 Feb 1;47(3):914-7

Interferons and the regulation of oncogenes. Jonak GJ, et al. **Interferon** 1986;7:167-83 (95 ref.)

Interferon review. Stanton GJ, et al. **Invest Radiol** 1987 Mar; 22(3):259-73 (152 ref.)

Interferons. Part C. **Methods Enzymol** 1986;119:1-845

Chemical modifications of human and murine interferons. Fantes KH. **Methods Enzymol** 1986;119:233-41

Interferon from 1981 to 1986. Pestka S. **Methods Enzymol** 1986;119:3-14

Interferon standards and general abbreviations. Pestka S. **Methods Enzymol** 1986;119:14-23

ADMINISTRATION & DOSAGE

Intraventricular interferon in a case of subacute sclerosing panencephalitis. Boiardi A, et al. **Ital J Neurol Sci** 1987 Jun;8(3):277-81

Interferon in experimental autoimmune encephalomyelitis: intraventricular administration. Abreu SL, et al. **J Interferon Res** 1986 Dec;6(6):627-32

[Human recombinant alpha-2b interferon (Introna). Intralesional treatment of therapy-resistant condylomata acuminata] Petersen CS, et al. **Ugeskr Laeger** 1987 Jun 8; 149(24):1594-5 (Eng. Abstr.) **(Dan)**

[Interferon-containing ointment in treating patients with viral diseases of the skin and oral mucosa] Stepanov AN. **Tr Inst Pastera** 1985;62:114-6 **(Rus)**

ANALYSIS

Interferon induction with polyinosinic:polycytidylic acid in the newborn piglet. Loewen KG, et al. **Can J Vet Res** 1986 Apr;50(2):232-7

Characterization of human interferon species using gel extraction and monoclonal antibodies: implications on clinical use of interferon preparations. Iyer S, et al. **J Biol Response Mod** 1986 Dec;5(6):548-61

Viral antibodies and interferon in acute psychiatric disorders. Ahokas A, et al. **J Clin Psychiatry** 1987 May;48(5):194-6

The need for a collaborative effort to develop a common, rapid, automated assay for natural and recombinant interferons [editorial] Bontempo JA. **J Parenter Sci Technol** 1987 Jan-Feb;41(1):2

Interferon assay as a viral diagnostic test. Skidmore SJ, et al. **J Virol Methods** 1987 May;16(1-2):155-8

A simplified antigrowth assay based on color change of the medium. Aebersold P, et al. **Methods Enzymol** 1986; 119:579-82

Measurement of interferon in human amniotic fluid and placental blood extract. Duc-Goiran P, et al. **Methods Enzymol** 1986;119:541-51

Objective antiviral assay of the interferons by computer assisted data collection and analysis. Forti RL, et al. **Methods Enzymol** 1986;119:533-40

Quantitation of neutralization of interferon by antibody. Kawade Y. **Methods Enzymol** 1986;119:558-73

Use of ovine and caprine cells to measure antiviral effects of interferon. Yilma T. **Methods Enzymol** 1986;119:551-8

[The structure of interferons] Piasecki E. **Postepy Biochem** 1986;32(1-2):185-201 (75 ref.) **(Pol)**

ANTAGONISTS & INHIBITORS

Interferon inactivator(s) in patients with AIDS and AIDS-unrelated Kaposi's sarcoma. Ikossi-O'Connor MG, et al. **Am J Med** 1986 Nov;81(5):783-5

Interferon inactivator(s) in patients with AIDS and AIDS-unrelated Kaposi's sarcoma [letter] Margolis DM. **Am J Med** 1987 Jun;82(6):1278

Macrophage colony stimulating factor (CSF-1) blocks the myeloid suppressive but not the antiviral or antiproliferative activities of murine alpha, beta, and gamma interferons in vitro. Koren S, et al. **J Biol Response Mod** 1986 Dec;5(6):571-80

Effect of glucose on antiviral activity of interferon. Onishi E, et al. **J Interferon Res** 1986 Aug;6(4):381-8

Purification, assay, and characterization of the interferon antagonist: sarcolectin. Chany-Fournier F, et al. **Methods Enzymol** 1986;119:694-702

BIOSYNTHESIS

Interferon-inducing activity of flavonoids. Wleklik M, et al. **Acta Microbiol Pol** 1987;36(1-2):151-4

The influence of high temperature on human cells in culture, their sensitivity to viruses and their interferon-producing capacity. Kognovitskaya AI, et al. **Acta Virol (Praha)** 1987 Jan;31(1):7-12

Cyclic AMP metabolism and interferon induction in mice after treatment with 10-carboxymethyl-9-acridanone. Römer W, et al. **Acta Virol (Praha)** 1986 Sep;30(5):411-7

Choline and halogen derivatives of CMA (9-oxo-10-acridine acetic acids) as tools for monitoring the interaction of the interferon inducers via a specific receptor. Szulc B, et al. **Antiviral Res** 1987 Feb;7(2):109-17

Inhibitor of physiological interferon synthesis. I. Isolation, physiochemical and biological properties of crude inhibitor preparations. Blach-Olszewska Z, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(5-6):533-40

Regulation of physiological interferon synthesis by a fraction of mouse peritoneal cells. Blach-Olszewska Z. **Arch Immunol Ther Exp (Warsz)** 1986;34(2):225-30

Interferon production in Propionibacterium acnes treated mice. Cembrzyńska-Nowak M, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(2):217-24

Production of lymphokines by murine cortisone resistant thymocytes stimulated by concanavalin A. III. Effect of cytotoxic pretreatment with anti-Lyt antibodies on interleukin-2 and interferon producing cells. Pajtasz E, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(4):403-7

Synthesis of interferon in human leukocyte cells stimulated with influenza virus. Sypula A, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(1):45-8

Stress depresses interferon production by leukocytes concomitant with a decrease in natural killer cell activity. Glaser R, et al. **Behav Neurosci** 1986 Oct;100(5):675-8

Effect of interferon synthesis upon the metabolism of [carboxyl-14C]-aspirin in the mouse. Dolphin CT, et al. **Biochem Pharmacol** 1987 Aug 1;36(15):2437-42

Regulation of immune interferon production during the response to soluble microbial antigens. Piccolella E, et al. **Clin Exp Immunol** 1986 Jul;65(1):190-7

Interferon production in inbred mice during herpetic eye disease. Taylor JL, et al. **Curr Eye Res** 1987 Jan;6(1):259-64

A comparative analysis of cord blood and adult lymphocytes: interleukin-2 and interferon production, natural killer cell activity, and lymphocyte populations. Kibler R, et al. **Diagn Immunol** 1986;4(4):201-8

Kinetics of activation of benzo[a]pyrene for inhibition of interferon induction. Crowe DO, et al. **Environ Res** 1986 Dec;41(2):585-90

Silicate minerals and the interferon system. Hahon N, et al. **Environ Res** 1987 Aug;43(2):395-409

Different interferon-producing capacities of L929 cell sublines and the enhancement of interferon production by priming are controlled pretranslationally. Rosztóczy I, et al. **FEBS Lett** 1986 Nov 10;208(1):56-8

Effects of NiCl2 and CdCl2 on susceptibility to murine cytomegalovirus and virus-augmented natural killer cell and interferon responses. Daniels MJ, et al. **Fundam Appl Toxicol** 1987 May;8(4):443-53

Induction of an atypical interferon by bacteroides fragilis and Escherichia coli in experimental infections and in leukocyte cultures. Blanchard DK, et al. **Infection** 1986 Nov-Dec; 14(6):289-93

Potentiation of the cellular immune response by adjuvants: a limited role for adjuvant induced interferon. Kraaijeveld CA, et al. **Int Arch Allergy Appl Immunol** 1986;81(2):148-55

In vitro and in vivo suppressive effects of delta-9-tetrahydrocannabinol on interferon production by murine spleen cells. Blanchard DK, et al. **Int J Immunopharmacol** 1986;8(7):819-24

Effect of forphenicinol on the production of lipopolysaccharide-induced interferon and tumor necrosis factor and on the growth of Meth A fibrosarcoma in mice. Okura A, et al. **J Biol Response Mod** 1987 Feb;6(1):28-34

Cytokine activity after human bone marrow transplantation. Production of interferons by peripheral blood mononuclear cells from recipients of HLA-identical sibling bone marrow transplants. Cooley MA. **J Immunol** 1987 Jun 1; 138(11):3742-5

Macrophage growth factor CSF-1 stimulates human monocyte production of interferon, tumor necrosis factor, and colony stimulating activity. Warren MK, et al. **J Immunol** 1986 Oct 1;137(7):2281-5

Herpes simplex virus-induced immunespecific interferon production by cryopreserved human peripheral blood mononuclear leukocytes. Reichman RC, et al. **J Immunol Methods** 1986 Nov 6;93(2):241-6

Benzo[a]pyrene metabolites: effects on viral interferon induction. Hahon N, et al. **J Interferon Res** 1986 Oct; 6(5):591-602

Interferon induction by viruses. XV. Biological characteristics of interferon induction-suppressing particles of vesicular stomatitis virus. Marcus PI, et al. **J Interferon Res** 1987 Jun;7(3):269-84

Interferon inducibility and sensitivity of human teratocarcinoma-derived cell lines. Ogunkolade W, et al. **J Interferon Res** 1987 Jun;7(3):245-54

Rat leukocyte interferons: production of an acid-labile interferon after induction with Newcastle disease virus. Wiedbrauk DL, et al. **J Leukocyte Biol** 1987 Jul;42(1):21-9

Influenza virus-induced encephalopathy in mice: interferon production and natural killer cell activity during acute infection. Wabuke-Bunoti MA, et al. **J Virol** 1986 Dec; 60(3):1062-7

Mink parvoviruses and interferons: in vitro studies. Wiedbrauk DL, et al. **J Virol** 1986 Dec;60(3):1179-82

Viral challenge in leprosy: viraemia, interferon, and specific antibody production. Gelber RH, et al. **Lepr Rev** 1987 Jun; 58(2):155-64

Interferon induction: dose-response curves. Marcus PI. **Methods Enzymol** 1986;119:106-14

Induction of high titer chicken interferon. Sekellick MJ, et al. **Methods Enzymol** 1986;119:115-25

Measurement of effect of interferon on metabolism of diphenylhydantoin. Sonnenfeld G, et al. **Methods Enzymol** 1986;119:715-8

Measurement of hyporesponsiveness to interferon and interferon induction with prostaglandins. Stringfellow DA. **Methods Enzymol** 1986;119:707-12

Production, purification, and characterization of rat interferon from transformed rat cells. van der Meide PH, et al. **Methods Enzymol** 1986;119:220-30

In vitro induction of interferon from guinea pig fibroblasts. Winship TR. **Methods Enzymol** 1986;119:125-9

Induction of equine interferons. Yilma T. **Methods Enzymol** 1986;119:130-6

Strain differences of interferon-generating capacity and resistance in toxoplasma-infected mice. Shirahata T, et al. **Microbiol Immunol** 1986;30(12):1307-16

In vitro mitogen-induced interferon production and lymphocyte blastogenesis in patients with lung cancer. Suzuki S, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1986 Dec;33(1-4):27-32

[Dynamic study of the interferon-stimulating effect of a polysaccharide of Acanthopanax senticosus on leukemic cell culture] Yang JC, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr;6(4):231-3, 197 (Eng. Abstr.) **(Chi)**

[Induction of interferon in rats and its titration on JTC-19 cells] Machida H. **Virusu** 1980 Jun;30(1):41-6 (Eng. Abstr.) **(Jpn)**

[The state of hyporeactivity in interferon production: localization and partial purification of the factor repressing the interferon production] Sokolova TM, et al. **Mol Gen Mikrobiol Virusol** 1985 Oct;(10):43-6 (Eng. Abstr.) **(Rus)**

[The role of interferon in respiratory syncytial infection] Leshchinskaia NP. **Tr Inst Pastera** 1985;62:108-14 (36 ref.) **(Rus)**

[Interferon-producing and cytotoxic activity of natural killer cells in multiple sclerosis patients] Sorokin AM, et al. **Zh Nevropatol Psikhiatr** 1987;87(2):211-5 (Eng. Abstr.) **(Rus)**

BLOOD

Herpes hepatitis and high levels of circulating interferon [letter] Andre PM, et al. **J Infect Dis** 1987 Sep;156(3):529

DNA synthesis and interferon release by human peripheral lymphocytes exposed to high potassium medium. Viti A, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):133-7

[Interferon and other immunological indices of influenza patients undergoing different methods of treatment] Ketiladze ES, et al. **Vopr Virusol** 1987 Jan-Feb;32(1):35-9 (Eng. Abstr.) **(Rus)**

DEFICIENCY

Evidence for a deficiency of interferon production in patients with chronic hepatitis B virus infection acquired in adult life. Ikeda T, et al. **Hepatology** 1986 Sep-Oct;6(5):962-5

GENETICS

The interferons. Taylor-Papadimitriou J. **Biochem Soc Symp** 1984;49:109-22 (51 ref.)

Construction of expression vectors for the production of interferons in yeast. Devenish RJ, et al. **Dev Biol Stand** 1987;67:185-99

Labeling of interferons with [35S]methionine in a cell-free DNA-dependent system. Kung HF. **Methods Enzymol** 1986;119:292-6

Use of the phage lambda PL promoter for high-level expression of human interferons in Escherichia coli. Remaut E, et al. **Methods Enzymol** 1986;119:366-75

IMMUNOLOGY

Role of interferon, antibodies and macrophages in the protective effect of Corynebacterium parvum on encephalomyocarditis virus-induced disease in mice. Géniteau-Legendre M, et al. **Antiviral Res** 1987 Mar; 7(3):161-7

A unifying model of the immunoregulatory role of the interferon system: can interferon produce disease in humans? Skurkovich S, et al. **Clin Immunol Immunopathol** 1987 Jun;43(3):362-73

Natural killer cells and interferon. Welsh RM.

CRC Crit Rev Immunol 1984;5(1):55–93 (342 ref.)

The role of interferon in the adenovirus-induced augmentation of granulocyte-mediated cytotoxicity in chicken. Mándi Y, et al. **Immunobiology** 1987 Mar; 174(2):210–20

Circulating interferon-like activity in inflammatory bowel disease. Christodoulopoulou G, et al. **J Clin Gastroenterol** 1986 Oct;8(5):534–7

Antigenic structure of human interferon omega 1 (interferon alpha II1): comparison with other human interferons. Adolf GR. **J Gen Virol** 1987 Jun;68 (Pt 6):1669–76

[Immunization against interferon in man] Pozzetto B, et al. **Pathol Biol (Paris)** 1986 Dec;34(10):1097–103 (63 ref.) (Eng. Abstr.) **(Fre)**

[Antitumor effect of PSK (1). Interferon-inducing activity and intratumoral administration] Ebina T, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1841–6 (Eng. Abstr.) **(Jpn)**

[Immunomodulating properties of interferons] Korobkov SV. **Tr Inst Pastera** 1985;62:101–4 (34 ref.) **(Rus)**

METABOLISM

Depression of oxidative metabolism of aspirin in mice via an interferon-associated mechanism in relation to Reye's syndrome. Dolphin CT, et al. **J Pharm Pharmacol** 1987 Mar;39(3):228–30

Procedures for studying binding of interferon to mouse cells. Aguet M. **Methods Enzymol** 1986;119:321–5

Identification of interferon receptors by chemical cross-linking. Gupta SL, et al. **Methods Enzymol** 1986; 119:340–7

Procedures for studying binding of interferon to human cells in suspension cultures. Langer JA, et al. **Methods Enzymol** 1986;119:305–11

[Interferon and the liver] Poitrine A, et al. **Gastroenterol Clin Biol** 1986 Aug–Sep;10(8–9):589–603 (156 ref.) **(Fre)**

[The pharmacokinetics of interferons] Ogarkov VI, et al. **Antibiot Med Biotekhnol** 1986 Sep;31(9):712–5 (36 ref.) **(Rus)**

PHARMACODYNAMICS

Alteration of ribonucleotide and deoxyribonucleotide metabolism by interferon in human B-lymphoblastoid cells. Barankiewicz J, et al. **Adv Exp Med Biol** 1986;195 Pt B:677–81

Regulation of the antigenic phenotype of human melanoma cells by recombinant interferons. Giacomini P, et al. **Anticancer Res** 1986 Sep–Oct;6(5):877–84

An antiestrogenic action of interferons in human breast cancer cells. Iacobelli S, et al. **Anticancer Res** 1986 Nov–Dec;6(6):1391–4

Interferons inhibit chemotaxis of transformed cells and their invasion of a reconstituted basement membrane. Melchiori A, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):475–9

Age-related differences in the induction of 2–5A synthetase and 2–5A dependent binding protein activities by interferon in guinea pig peritoneal macrophages. Wang CH, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):455–60

Inhibition of polypeptide chain initiation in Daudi cells by interferons. Evidence that activity of initiation factor eIF-2 and availability of mRNA are unimpaired. Clemens MJ, et al. **Biochem J** 1986 Aug 1;237(3):877–84

Modulation of monocyte complement synthesis by interferons. Hamilton AO, et al. **Biochem J** 1987 Mar 15; 242(3):809–15

Inhibition of cell proliferation by interferons. Relative contributions of changes in protein synthesis and breakdown to growth control of human lymphoblastoid cells. McNurlan MA, et al. **Biochem J** 1986 Aug 1; 237(3):871–6

The effect of interferons on cellular differentiation. Moritz T, et al. **Blut** 1986 Nov;53(5):361–70

In vitro activity of alpha, beta, gamma human interferons and Aspergillus terreus mycotoxins on cell proliferation. Pugliese A, et al. **Boll Ist Sieroter Milan** 1986;65(6):530–7

Early inhibition of natural and interferon-activated killers in endometrial cancer patients treated with local radiotherapy. Mandeville R, et al. **Cancer Detect Prev** 1987; 10(1–2):129–39

Potentiation of radiation cytotoxicity by recombinant interferons, a phenomenon associated with increased blockage at the G2–M phase of the cell cycle. Chang AY, et al. **Cancer Res** 1987 Aug 15;47(16):4338–41

Analysis of receptors, cell surface antigens, and proteins in human melanoma cell lines resistant to human recombinant beta- or gamma-interferon. Gomi K, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6211–6

Differential expression of murine macrophage-mediated tumor cytotoxicity induced by interferons. Koestler TP, et al. **Cancer Res** 1987 Jun 1;47(11):2804–8

Inhibition of angiogenesis by interferons: effects on tumor- and lymphocyte-induced vascular responses. Sidky YA, et al. **Cancer Res** 1987 Oct 1;47(19):5155–61

Divergent effects of cyclosporine A on interferon- and mitogen-induced Ly-6A antigen suggest autocrine regulation of Ly-6A expression in activated T cells. Dumont FJ. **Cell Immunol** 1987 Apr 1;105(2):355–65

Effect of interferon on activated oxygen production in human monocytes in vitro: direct measurement of phagosomal activated oxygens by a new method using luminal-binding microspheres. Matsumoto S, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov;34(11):4775–81

Effects of interferons and interleukin 2 on natural killing of cytomegalovirus-infected fibroblasts. Bandyopadhyay S, et al. **Clin Exp Immunol** 1987 Feb;67(2):372–82

Induction of acute synovitis in the rat by human interferon. Rosenbach TO, et al. **Clin Exp Rheumatol** 1987 Jan–Mar; 5(1):35–40

Release of arachidonic acid metabolites by human monocytes or lymphocytes: effect of treatment with interferon on stimulation by phorbol ester or calcium ionophore. Hoffman T, et al. **Clin Immunol Immunopathol** 1987 Jul; 44(1):82–92

Identification of 69-kd and 100-kd forms of 2-5A synthetase in interferon-treated human cells by specific monoclonal antibodies. Hovanessian AG, et al. **EMBO J** 1987 May; 6(5):1273–80

Preferential modulation of embryonic cell proliferation and differentiation by embryonic interferon. Greene JJ, et al. **Exp Cell Res** 1986 Dec;167(2):400–6

What is a T-cell clone? Effect of rIFN on T-cell clone function and T-cell receptor gene rearrangement. Chen LK, et al. **Hum Immunol** 1986 Nov;17(3):214–23

Effect of interferons on the inhibition of human natural killers by primary monolayer cell cultures. Heiskala M. **Immunology** 1987 Feb;60(2):167–72

Effect of human interferon on different functions of human neutrophils and eosinophils. Saito H, et al. **Int Arch Allergy Appl Immunol** 1987;82(2):133–40

Anti-proliferative effects of interferons on Daudi Burkitt lymphoma cells: induction of cell differentiation and loss of response to autocrine growth factors. Exley R, et al. **Int J Cancer** 1987 Jul 15;40(1):53–7

Interactions of interferons and transforming growth factors during clonal growth of mouse or human cells in soft agar and in mice. Popik W, et al. **Int J Cancer** 1987 Jul 15; 40(1):108–13

Interferon and the tumour cell phenotype. Brouty-Boyé D. **Interferon** 1986;7:145–65 (35 ref.)

Interferons (IFN). Bichile SK, et al. **J Assoc Physicians India** 1987 Mar;35(3):245–6

The target reaction in the antiviral action of mouse interferon against vesicular stomatitis virus multiplication. Hoshino M, et al. **J Biochem (Tokyo)** 1987 Mar;101(3):685–94

Induction of receptors for tumor necrosis factor-alpha by interferons is not a major mechanism for their synergistic cytotoxic response. Aggarwal BB, et al. **J Biol Chem** 1987 Jul 25;262(21):10000–7

Interferon induces a 15-kilodalton protein exhibiting marked homology to ubiquitin. Haas AL, et al. **J Biol Chem** 1987 Aug 15;262(23):11315–23

Effect of interferon on growth and division cycle of Friend erythroleukemic murine cells in vitro. Matarese GP, et al. **J Cell Biol** 1977 Nov;75(2 Pt 1):344–54

Persistence of a reduced-collagen-producing phenotype in cultured scleroderma fibroblasts after short-term exposure to interferons. Duncan MR, et al. **J Clin Invest** 1987 May; 79(5):1318–24

Hydrogen peroxide release by alveolar macrophages from sarcoid patients and by alveolar macrophages from normals after exposure to recombinant interferons alpha A, beta, and gamma and 1,25-dihydroxyvitamin D3. Fels AO, et al. **J Clin Invest** 1987 Aug;80(2):381–6

Biological and morphological characteristics of phenotypic revertants appearing in interferon-treated mouse cells transformed by a human oncogene. Samid D, et al. **J Exp Pathol** 1985 Fall;2(3):211–22

Free radicals as possible mediators of the actions of interferon. Das UN, et al. **J Free Radic Biol Med** 1986; 2(3):183–8

Requirement for endocytosis of poly(rI).poly(rC) to generate toxicity on interferon-treated LM cells. Milhaud PG, et al. **J Gen Virol** 1987 Apr;68 (Pt 4):1125–34

In vivo study of the mechanism of action of antiviral agents against hepadna virus replication in the liver. Resistance of supercoiled viral DNA. Omata M, et al. **J Hepatol** 1986; 3 Suppl 2:S49–55

Expression and susceptibility to modulation by interferons of HLA class I and II antigens on melanoma cells. Immunohistochemical analysis and clinical relevance. Ruiter DJ, et al. **J Immunogenet** 1986 Apr–Jun; 13(2–3):229–34 (36 ref.)

Interferons inhibit LTC4 production in murine macrophages. Boraschi D, et al. **J Immunol** 1987 Jun 15;138(12):4341–6

Regulation by interferons of the local inflammatory response to bacterial lipopolysaccharide. Heremans H, et al. **J Immunol** 1987 Jun 15;138(12):4175–9

Recombinant interferon-alpha, -beta, and -gamma enhance the proliferative response of human B cells. Morikawa K, et al. **J Immunol** 1987 Aug 1;139(3):761–6

Long-term growth of lymphokine-activated killer (LAK) cells: role of anti-CD3, beta-IL 1, interferon-gamma and -beta. Ochoa AC, et al. **J Immunol** 1987 Apr 15; 138(8):2728–33

Interferon-alpha, -beta, and -gamma augment the levels of rRNA precursors in peritoneal macrophages but not in macrophage cell lines and fibroblasts. Radzioch D, et al. **J Immunol** 1987 Aug 1;139(3):805–12

Mechanical responses of rat vascular smooth muscle cells to rat interferon. Andre P, et al. **J Interferon Res** 1986 Aug;6(4):397–404

Modification of ribonucleotide and deoxyribonucleotide metabolism in interferon-treated human B-lymphoblastoid cells. Barankiewicz J, et al. **J Interferon Res** 1986 Dec; 6(6):717–27

Interferon-induced phenotypic changes in human tumor cells relative to the effects of interferon on c-ras oncogene expression. Brouty-Boyé D, et al. **J Interferon Res** 1986 Oct;6(5):461–71

Effects of interferon on the lymphocyte subset in the blood and lymphoid organs in mice. Kawasaki H, et al. **J Interferon Res** 1986 Oct;6(5):507–17

Effects of human interferon and alpha-difluoromethylornithine on T47D cells. Kyriakidis DA, et al. **J Interferon Res** 1986 Oct;6(5):527–33

Antiproliferative effects of interferons on human melanoma cells in the human tumor colony-forming assay. Schiller JH, et al. **J Interferon Res** 1986 Dec;6(6):615–25

The mechanism of the antiviral effect of interferon differs in two strains of a rabbit kidney cell line. Whitaker-Dowling P, et al. **J Interferon Res** 1987 Feb; 7(1):61–8

The effects of interferons on the activity of alpha-glycerolphosphate dehydrogenase in benign prostatic hyperplasia cells in primary culture. Hayward S, et al. **J Urol** 1987 Sep;138(3):648–53

Clonal derivatives of the RD-114 cell line differ in their antiviral and gene-inducing responses to interferons. Kumar R, et al. **J Virol** 1987 Sep;61(9):2727–32

Strain difference in mouse natural killer activity augmented by mouse interferon and poly I.C. Kiuchi Y. **Jikken Dobutsu** 1986 Jul;35(3):239–44

Colony inhibitory effect of recombinant human tumor necrosis factor (rH-TNF) and/or recombinant human interferon (rH-IFN)-alpha, -beta and -gamma on human lung cancer cell lines. Hong WS, et al. **Jpn J Clin Oncol** 1987 Mar;17(1):49–55

Measurement of effect of interferon on drug metabolism. Mannering GJ. **Methods Enzymol** 1986;119:718–25

Tumour necrosis factors alpha and beta inhibit virus replication and synergize with interferons. Wong GH, et al. **Nature** 1986 Oct 30–Nov 5;323(6091):819–22

Interferon enhances the natural killer cell activity of the retinoblastoma patients to autologous retinoblastoma cells. Sasabe T, et al. **Ophthalmic Paediatr Genet** 1987 Mar; 8(1):43–6

Interferons and tumor necrosis factors have similar catabolic effects on 3T3 L1 cells. Patton JS, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8313–7

Comparative effects of alpha, beta and gamma human interferons on a HBsAg-producing human hepatoma cell line. Manzin A, et al. **Ric Clin Lab** 1986 Jul–Sep; 16(3):457–62

Interferon-mediated enhancement of thyroid major histocompatibility complex antigen expression. A flow cytometric analysis. Rayner DC, et al. **Scand J Immunol** 1987 Jun;25(6):621–8

An early event in the interferon-induced transmembrane signaling process. Yap WH, et al. **Science** 1986 Oct 17; 234(4774):355–8

Interferon-enhanced antibody-dependent cell-mediated cytotoxicity and prediction of rejection in renal allograft recipients. Attallah AM, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 2):1589–91

The effects of interferons on macrophages and their precursors. Russell SW, et al. **Vet Immunol Immunopathol** 1987 May;15(1–2):129–65 (194 ref.)

Reduced steady-state levels of vaccinia virus-specific early mRNAs in interferon-treated chick embryo fibroblasts. Grün J, et al. **Virology** 1987 May;158(1):28–33

[Interferons in hemato-cancerology] Boiron M. **Nouv Rev Fr Hematol** 1987;29(1):49–55 (Eng. Abstr.) **(Fre)**

[Differentiation of human malignant myeloid and lymphoid cells] Degos L. **Nouv Rev Fr Hematol** 1987;29(1):37–41 (Eng. Abstr.) **(Fre)**

[Effects of interferon on erythroid progenitor cells (CFU-E, BFU-E)] Misago M, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 May;49(3):634–8 (Eng. Abstr.) **(Jpn)**

[Molecular and cellular bases for the effects of interferon] Chetverikova LK, et al. **Mol Gen Mikrobiol Virusol** 1987 Jun;(6):9–17 (68 ref.) (Eng. Abstr.) **(Rus)**

[Antiviral and antiproliferative activity of human interferons and their induction of 2',5'-oligoadenylate synthetase] Krispin TI, et al. **Mol Gen Mikrobiol Virusol** 1986 Apr; (4):42–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

A novel approach for understanding the effects of interferons--a working hypothesis. Premecz G, et al. **Acta Microbiol Hung** 1987;34(1):45–55

Role of interferon in lymphocyte recruitment into the skin. Issekutz TB, et al. **Cell Immunol** 1986 May;99(2):322–33

The interferon receptors. Rubinstein M, et al. **CRC Crit Rev Biochem** 1986;21(3):249–75 (145 ref.)

Interferon and major histocompatibility complex genes: a model to analyse eukaryotic gene regulation? Rosa FM, et al. **Interferon** 1986;7:47–87 (75 ref.)

Cytotoxins (tumour necrosis factor, lymphotoxin and others): molecular and functional characteristics and interactions with interferons. Wallach D. **Interferon** 1986;7:89–124 (128 ref.)

Four different forms of interferon-induced 2',5'-oligo(A) synthetase identified by immunoblotting in human cells. Chebath J, et al. **J Biol Chem** 1987 Mar 15;262(8):3852–7
Growth factors, oncogenes, and interferons. Friedman RM. **J Exp Pathol** 1986 Summer;2(4):223–8
The mode of action of interferons in viral infections and their possible role in the control of hepatitis B. Billiau A. **J Hepatol** 1986;3 Suppl 2:S171–9 (34 ref.)
The classification and biological functions of the interferons. A review. Finter NB. **J Hepatol** 1986;3 Suppl 2:S157–60 (30 ref.)
The interaction of interferon with the immune response. Morris A, et al. **J Hepatol** 1986;3 Suppl 2:S161–9 (69 ref.)
T cells, interferon, and rhinovirus infection [letter] Schattner A. **J Infect Dis** 1987 Apr;155(4):834
Trypanosoma brucei rhodesiense infection in mice prevents virus-induced diabetes: possible role of interferon and immunological mechanisms. Gould CL, et al. **J Interferon Res** 1986 Oct;6(5):499–506
Interferon-mediated self-limiting growth of respiratory syncytial virus in mouse embryo cells. Hanada N, et al. **J Med Virol** 1986 Dec;20(4):363–70
Interferons and systemic lupus erythematosus. Bankhurst AD. **J Rheumatol** 1987 Jun;14 Suppl 13:63–7
Macrophages from endotoxin-hyporesponsive (Lpsd) C3H/HeJ mice are permissive for vesicular stomatitis virus because of reduced levels of endogenous interferon: possible mechanism for natural resistance to virus infection. Vogel SN, et al. **J Virol** 1987 Mar;61(3):812–8
Measurement of the antiproliferative effect of interferon: influence of growth factors. Ebsworth N, et al. **Methods Enzymol** 1986;119:643–9
Measurement of the effect of interferons on the proliferative capacity and cloning efficiency of normal and leukemic human myeloid progenitor cells in culture. Fisher PB, et al. **Methods Enzymol** 1986;119:629–34
Interferon-inducible gene maps to a chromosomal band associated with a (4;11) translocation in acute leukemia cells. Luster AD, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):2868–71
Interferons and their clinical value. Tyrrell DA. **Rev Infect Dis** 1987 Mar–Apr;9(2):243–9 (22 ref.)
Role of interferon in persistent infection of macrophages with herpes simplex virus. Domke-Opitz I, et al. **Virology** 1987 Aug;159(2):306–11
[Interferons] Marquardt J. **DTW** 1987 Apr 8;94(4):219–21 (Eng. Abstr.) **(Ger)**
[The interferon system. A review of biological principles and clinical uses] Schneider FJ. **Z Gesamte Inn Med** 1986 Nov 15;41(22):613–8 (Eng. Abstr.) **(Ger)**
[Influence of anti-interferon on herpetic keratitis in mice] Kuwayama W, et al. **Nippon Ganka Gakkai Zasshi** 1987 Jan;91(1):157–60 (Eng. Abstr.) **(Jpn)**
[The defense mechanism and its weakening: the defense mechanism prior to immunity] Nomoto K. **Nippon Rinsho** 1986 Sep;44(9):1954–9 **(Jpn)**
[Antitumor effect of biological factors and their response] Yamazaki M. **Nippon Rinsho** 1987 May;45(5):1144–55 **(Jpn)**
[Interferon and the problems of interferon therapy] Smorodintsev AA. **Tr Inst Pastera** 1985;62:96–100 **(Rus)**

SECRETION

[Dynamics of interferon in the rhinopharyngeal secretions of adults vaccinated with the NIVGRIP inactivated influenza vaccine by the nasal route] Jucu V, et al. **Virologie** 1986 Jul–Sep;37(3):195–200 (Eng. Abstr.) **(Fre)**

STANDARDS

Standardization of human IFN gamma in comparison with other interferons. Meager A. **Lymphokine Res** 1986;5 Suppl 1:S111–4

THERAPEUTIC USE

Interferon treatment of malignant disease today and in the future. Strander H. **Acta Gastroenterol Belg** 1986 Sep–Oct; 49(5):501–5
Interferon. Hood LE. **Am J Nurs** 1987 Apr;87(4):459–65
Interferon for the treatment of infections. Ho M. **Annu Rev Med** 1987;38:51–9 (37 ref.)
Bovine interferon: its biology and application in veterinary medicine. Ohmann HB, et al. **Antiviral Res** 1987 May; 7(4):187–210 (126 ref.)
Interferon. Promises, disappointments, and tempered optimism. Edwards L. **Arch Dermatol** 1987 Jun; 123(6):743–4
Cancer therapy by biological response modifiers. Herberman RB. **Arzneimittelforschung** 1987 Feb;37(2A):246–50 (23 ref.)
A clinical trial of interferon therapy in a case of rapidly progressive SSPE. Sone S, et al. **Brain Dev** 1986; 8(6):636–40
Interferon therapy: progress and perspectives. Los Angeles, California, May 3, 1986. **Cancer** 1987 Feb 1;59(3 Suppl):593–631
Superficial bladder cancer. Risk of recurrence and potential role for interferon therapy. Torti FM, et al. **Cancer** 1987 Feb 1;59(3 Suppl):613–6 (36 ref.)
Interferons in the treatment of human papillomavirus diseases. Weck PK, et al. **Cancer Metastasis Rev** 1986; 5(2):139–65 (94 ref.)
Interferons: not just alpha. Krown SE. **Cancer Treat Rep** 1986 Dec;70(12):1353–5
Renal cell carcinoma: treatment with interferon. Grosh WW. **Compr Ther** 1987 Jun;13(6):34–9
Use of recombinant interferon in HSV-1 recurrence in the rabbit. Matli M, et al. **Curr Eye Res** 1987 Jan;6(1):265–8
Interferons and psoriasis—1987 perspective. Nickoloff BJ. **Dermatologica** 1987;175(1):1–4
Interferons for malignant blood diseases? Hokland M, et al. **Eur J Haematol** 1987 Mar;38(3):209–12
Interferon in viral hepatitis: role in pathogenesis and treatment. Davis GL, et al. **Hepatology** 1986 Sep–Oct; 6(5):1038–41
Clinical performance of natural human leukocyte interferon. Cantell K. **Immunobiology** 1986 Sep;172(3–5):231–42
Anti-tumor effects of interferon in mice injected with interferon-sensitive and interferon-resistant Friend leukemia cells. VI. Adjuvant therapy after surgery in the inhibition of liver and spleen metastases. Gresser I, et al. **Int J Cancer** 1987 Jun 15;39(6):789–92
Future developments in interferon therapy. Boiron M. **Int J Cancer [Suppl]** 1987;1:41–4
Interferons in the treatment of multiple myeloma. Ohno R. **Int J Cancer [Suppl]** 1987;1:14–20
AIDS and Kaposi's sarcoma: interferons in pathogenesis and treatment. Krown SE. **Interferon** 1986;7:185–211 (125 ref.)
Interferon study lacked controls [letter] Gormley DE. **J Am Acad Dermatol** 1987 Apr;16(4):885–6
Proceedings of an international symposium on anti-viral agents in chronic hepatitis B virus infection. London, U.K., 11–12 November 1985. **J Hepatol** 1986;3 Suppl 2:S1–317
Antiviral treatment in chronic hepatitis B. Data of 5 prospectively controlled randomized trials. Müller R, et al. **J Hepatol** 1986;3 Suppl 2:S217–23
Combination of prednisolone withdrawal and antiviral agents (adenine arabinoside, interferon) in chronic hepatitis B. A long-term follow-up study. Omata M, et al. **J Hepatol** 1986;3 Suppl 2:S65–9
Therapeutic potential of acyclovir and of the interferons in HBV-related chronic active hepatitis due to HBV with or without HDV superinfection. Trépo C, et al. **J Hepatol** 1986;3 Suppl 2:S129–35
Quantitation of in vivo potentiation resulting from combined interferon therapy: antitumor effect against B-16 melanoma in mice. Koren S, et al. **J Interferon Res** 1986 Oct; 6(5):473–82
Interferons in cancer therapy: a reappraisal. Balkwill FR, et al. **Lancet** 1987 Aug 8;2(8554):317–9
The antitumor effects of interferon. Gresser I. **Med Oncol Tumor Pharmacother** 1986;3(3–4):223–30 (110 ref.)
Indomethacin, interferons, and multiple sclerosis [letter] Panitch HS. **Neurology** 1987 May;37(5):888–9
Treatment of virus-associated tumors with interferon. Boiron M. **Pathol Biol (Paris)** 1986 Dec;34(10):1041–5
Viral hepatitis [letter] Lever AM, et al. **Practitioner** 1986 Sep;230(1419):751
Interferons in the treatment of multiple myeloma. Cooper MR, et al. **Semin Oncol** 1986 Sep;13(3):334–40 (22 ref.)
The role of interferon in the therapy of epidemic Kaposi's sarcoma. Krown SE. **Semin Oncol** 1987 Jun;14(2 Suppl 3):27–33 (55 ref.)
The interferon system as a basis for antiviral therapy or prophylaxis. Billiau A. **Verh K Acad Geneeskd Belg** 1986; 48(3):187–220 (129 ref.)
[Sensitivity of mice to systemic hyperthermia: effect of the transplantation of ascites tumor cells modified by preheating, and by an injection of CDDP or interferon] Nakamura W, et al. **C R Soc Biol (Paris)** 1986;180(5):601–8 (Eng. Abstr.) **(Fre)**
[Hematologic cancers in 1987. Chemotherapy and immunotherapy] Fillet G, et al. **Rev Med Liege** 1987 May 15;42(10):496–502 **(Fre)**
[Tumorigenesis, tumor biology and therapeutic measures. New findings] Gillmann H. **Arzneimittelforschung** 1987 Feb;37(2A):236–8 **(Ger)**
[Interferons, interleukin-2 and tumor necrosis factor. New approaches to cancer therapy] Oettgen HF. **Arzneimittelforschung** 1987 Feb;37(2A):251–5 (22 ref.) (Eng. Abstr.) **(Ger)**
[Treatment of severe viral encephalitis with interferon and virostatic drugs] Prange HW, et al. **Med Klin** 1986 Oct 17;81(21):657–62 (Eng. Abstr.) **(Ger)**
[Clinical studies on interferon in cancer therapy in Japan] Ohno R. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1194–202 (Eng. Abstr.) **(Jpn)**
[Treatment of herpetic keratitis with interferon and its inducer in an experiment] Bostandzhian MG, et al. **Vestn Oftalmol** 1987 May–Jun;103(3):57–9 **(Rus)**
[Treatment of juvenile papillomatosis of the larynx using interferon and levamisole] Klačanský I, et al. **Cesk Otolaryngol** 1986 Sep;35(5):273–7 (Eng. Abstr.) **(Slo)**
[Current status of the interferon system] Berrocal F, et al. **Med Clin (Barc)** 1986 Oct 18;87(12):515–8 (31 ref.) **(Spa)**

TOXICITY

Biotechnology products intended for human use, toxicological targets and research strategies. Zbinden G. **Prog Clin Biol Res** 1987;235:143–59

INTERINSTITUTIONAL RELATIONS

Building Ties: a mental health and aging project. Grady SC, et al. **Gerontologist** 1987 Aug;27(4):428–9
Viewpoint: The national disease: technique over purpose. Behrman JN. **Health Care Manage Rev** 1987 Spring; 12(2):85–91
Ethical and philosophical issues in developing a health promotion consortium. DeFrank RS, et al. **Health Educ Q** 1987 Spring;14(1):71–7
Management education for nurses: a co-op graduate experience. Bloomberg R, et al. **J Nurs Adm** 1987 Feb; 17(2):4
A case study in collaboration. Kleine-Kracht AE, et al. **J Prof Nurs** 1987 Mar–Apr;3(2):110–3
The home health agency and the ivory tower. Koren MJ. **Public Health Nurs** 1987 Mar;4(1):4–6
Mental health in old age. A model for concerted action by WHO and university hospitals. Hovaguimian T, et al. **WHO Chron** 1986;40(4):141–8
[In Martha's times. Interrelations between university and hospital and between general medicine and specialization, as an epistemologic problem] Visioli O. **Cardiologia** 1986 Apr;31(4):247–9 **(Ita)**
[Interactions among health sectors in Mexico] Soberón Acevedo G, et al. **Salud Publica Mex** 1986 Jul–Aug; 28(4):335–41 **(Spa)**

INTERIOR DESIGN AND FURNISHINGS see under **FACILITY DESIGN AND CONSTRUCTION**

INTERLEUKIN 1

see related
MACROPHAGES

Human recombinant interleukin 1-mediated suppression of glycosaminoglycan synthesis in cultured rat costal chondrocytes. Ikebe T, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):386–91
Fibroblast growth factor enhances the interleukin-1-mediated chondrocytic protease release. Phadke K. **Biochem Biophys Res Commun** 1987 Jan 30; 142(2):448–53
A comparison of the febrile responses of the Brattleboro and Sprague-Dawley strains of rats to endotoxin and endogenous pyrogens. Stitt JT, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1377–81
Interleukin 1 and protein kinase C activator are dissimilar in their effects on Il-2 receptor expression and Il-2 secretion by T lymphocytes. Truneh A, et al. **Cell Immunol** 1986 Dec;103(2):365–74
Synergistic action of recombinant-derived murine interleukin-1 on the augmentation of colony stimulating activity on murine granulocyte-macrophage hematopoietic stem cells in vitro. Gallicchio VS, et al. **Exp Cell Biol** 1987; 55(2):83–92
A preliminary crystallographic study of recombinant human interleukin 1 beta. Gilliland GL, et al. **J Biol Chem** 1987 Sep 5;262(25):12323–4
Uromodulin. An immunosuppressive 85-kilodalton glycoprotein isolated from human pregnancy urine is a high affinity ligand for recombinant interleukin 1 alpha. Muchmore AV, et al. **J Biol Chem** 1986 Oct 15; 261(29):13404–7
Studies on the molecular nature of human interleukin 1. Auron PE, et al. **J Immunol** 1987 Mar 1;138(5):1447–56
Constitutive and IL 1-regulated murine complement gene expression is strain and tissue specific [published erratum appears in J Immunol 1987 Apr 15;138(8):2745] Falus A, et al. **J Immunol** 1987 Feb 1;138(3):856–60
Synergistic anti-proliferative activity of interleukin 1 and tumor necrosis factor. Ruggiero V, et al. **J Immunol** 1987 Feb 1;138(3):661–3
Restoration of impaired T cell functions in tumor-bearing mice by the administration of interleukin 1. Yamashita U, et al. **Jpn J Cancer Res** 1987 Mar;78(3):270–8
Tumor necrosis factor and interleukin 1: cytokines with multiple overlapping biological activities. Le J, et al. **Lab Invest** 1987 Mar;56(3):234–48 (182 ref.)
Structure-function analysis of murine interleukin 1: biologically active polypeptides are at least 127 amino acids long and are derived from the carboxyl terminus of a 270-amino acid precursor. DeChiara TM, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8303–7
Interleukin 1 induces leukocyte infiltration and cartilage proteoglycan degradation in the synovial joint. Pettipher ER, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8749–53
[Interleukins: the hormones of the immune system] Rozenbaum M, et al. **Harefuah** 1986 Dec 15;111(12):434–6 (35 ref.) **(Heb)**

ADMINISTRATION & DOSAGE

Low concentrations of interleukin-1 stimulate and high concentrations inhibit insulin release from isolated rat islets of Langerhans. Spinas GA, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):551–8
Recombinant murine interleukin-1 alpha enhancement of nonspecific antibacterial resistance. Czuprynski CJ, et al. **Infect Immun** 1987 Sep;55(9):2061–5
In vivo administration of interleukin 1 to normal mice depresses their capacity to elicit contact hypersensitivity

responses: prostaglandins are involved in this modification of immune function. Robertson B, et al. **J Invest Dermatol** 1987 Apr;88(4):380–7

Stimulation of arachidonic acid metabolism: differences in potencies of recombinant human interleukin–1 alpha and interleukin–1 beta on two cell types. Xiao DM, et al. **Prostaglandins** 1986 Nov;32(5):709–18

ANALYSIS

Modulation of lymphocyte activating factor activity (interleukin 1 like activity) and acute phase proteins in pertussis–induced air pouch inflammation by muramyl dipeptide. Sedgwick AD, et al. **Agents Actions** 1987 Jun; 21(1–2):113–20

Lympho–monokine disorders and peritoneal fibroblast proliferation in CAPD. Lamperi S, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):35–8

Changes in interleukin–1 during membrane plasmapheresis. Omokawa S, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):392–6

Anti–interleukin–1 reactive cells in Hodgkin's disease. Ree HJ, et al. **Cancer** 1987 May 15;59(10):1717–20

Interleukin 1 in Crohn's disease. Satsangi J, et al. **Clin Exp Immunol** 1987 Mar;67(3):594–605

Decreased interleukin 1 activity in culture supernatant of lipopolysaccharide stimulated monocytes from patients with liver cirrhosis and hepatocellular carcinoma. Yokota M, et al. **Clin Exp Immunol** 1987 Feb;67(2):335–42

A 1H–NMR study of human interleukin–1 beta. Sequence–specific assignment of aromatic residues using site–directed mutant proteins. Gronenborn AM, et al. **Eur J Biochem** 1986 Nov 17;161(1):37–43

Interleukin–1: a possible role in the infertility associated with endometriosis. Fakih H, et al. **Fertil Steril** 1987 Feb; 47(2):213–7

Subcellular localization of human monocyte interleukin 1: evidence for an inactive precursor molecule and a possible mechanism for IL 1 release. Bakouche O, et al. **J Immunol** 1987 Jun 15;138(12):4249–55

Estimation of variability in the assay of human interleukin–1. Enk C, et al. **J Immunol Methods** 1986 Sep 27;92(2):201–9

A new assay for interleukin–1 in the presence of interleukin–2. Falk W, et al. **J Immunol Methods** 1987 May 4;99(1):47–52

Quantitation of human interleukin–1 beta with polyclonal antibodies. Gaffney EV, et al. **J Immunol Methods** 1987 Aug 3;101(2):271–7

A simple sensitive bioassay for interleukin–1 which is unresponsive to 10(3) U/ml of interleukin–2. Gearing AJ, et al. **J Immunol Methods** 1987 May 4;99(1):7–11

A rapid method for detection of cellular proliferation using carboxyfluorescein. Assay of growth factors (IL–2, IL–1) and growth inhibiting antibodies. Hansson Y, et al. **J Immunol Methods** 1987 Jun 26;100(1–2):261–7

A new micromethod for determination of interleukin–1 production from frozen human blood mononuclear cells. Muñoz CG, et al. **J Immunol Methods** 1987 May 4; 99(1):123–7

Fever and increased serum IL–1 activity as a systemic manifestation of acute phototoxicity in New Zealand White rabbits. Ansel JC, et al. **J Invest Dermatol** 1987 Jul; 89(1):32–7

Measurement of human IL–1 by LIF induction, pancreatic islet–cell cytotoxicity, and bone resorption. Bendtzen K, et al. **Lymphokine Res** 1986;5 Suppl 1:S93–8

Localization of interleukin–1 in normal or reactive lymphoid tissues and skin: abundance of IL–1 in interdigitating reticulum cells. Hsu SM, et al. **Lymphokine Res** 1987 Winter;6(1):13–8

Development and use of a radioimmunoassay for human interleukin–1 beta. Lisi PJ, et al. **Lymphokine Res** 1987 Summer;6(3):229–44

Measurement of interleukin–1 by growth inhibition of the human tumor cell K562; receptor studies. Resch K, et al. **Lymphokine Res** 1986;5 Suppl 1:S81–6

Effect of serum on lymphocyte blastogenesis. 2. Characterization of disease–induced immunosuppressive factors by chromatography and molecular weight determination. Barta O, et al. **Vet Immunol Immunopathol** 1987 Apr;14(4):319–34

ANTAGONISTS & INHIBITORS

Human alveolar macrophages suppress interleukin–1 (IL–1) activity via the secretion of prostaglandin E2. Monick M, et al. **Am Rev Respir Dis** 1987 Jan;135(1):72–7

Experience with isoxicam and catabolin. Sheppeard H, et al. **Br J Clin Pharmacol** 1986;22 Suppl 2:121S–124S

Central effects of vasopressin and 1–desamino–8–D–arginine vasopressin (DDAVP) on interleukin–1 fever in the rat. Naylor AM, et al. **Brain Res** 1987 Jan 13;401(1):173–7

Interleukin 1 inhibitory activity secreted by a human myelomonocytic cell line (M20). Barak V, et al. **Eur J Immunol** 1986 Nov;16(11):1449–52

Interferon blocks interleukin 1–induced prostaglandin release from human peripheral monocytes. Browning JL, et al. **J Immunol** 1987 May 1;138(9):2857–63

Alpha melanocyte stimulating hormone inhibits immunostimulatory and inflammatory actions of interleukin 1. Cannon JG, et al. **J Immunol** 1986 Oct 1;137(7):2232–6

Inhibition of interleukin 1 activity by a factor in submandibular glands of rats. Kemp A, et al. **J Immunol** 1986 Oct 1;137(7):2245–51

Interleukin inhibition by a parasite proteinase inhibitor, taeniaestatin. Leid RW, et al. **J Immunol** 1986 Oct 15; 137(8):2700–2

UV–irradiated epidermal cells produce a specific inhibitor of interleukin 1 activity. Schwarz T, et al. **J Immunol** 1987 Mar 1;138(5):1457–63

A urine inhibitor of interleukin 1 activity that blocks ligand binding. Seckinger P, et al. **J Immunol** 1987 Sep 1; 139(5):1546–9

A urine inhibitor of interleukin 1 activity affects both interleukin 1 alpha and 1 beta but not tumor necrosis factor alpha. Seckinger P, et al. **J Immunol** 1987 Sep 1; 139(5):1541–5

Dexamethasone pre–treatment is antipyretic toward polyinosinic: polycytidylic acid, lipopolysaccharide and interleukin 1/endogenous pyrogen. Abul H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Mar; 335(3):305–9

Uromodulin, an immunosuppressive protein derived from pregnancy urine, is an inhibitor of interleukin 1. Brown KM, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(23):9119–23

BIOSYNTHESIS

Iron deficiency and interleukin 1 production by rat leukocytes. Helyar L, et al. **Am J Clin Nutr** 1987 Aug; 46(2):346–52

The role of dialysate in the stimulation of interleukin–1 production during clinical hemodialysis. Port FK, et al. **Am J Kidney Dis** 1987 Aug;10(2):118–22

Expression of interleukin–1 in Reed–Sternberg cells and neoplastic cells from true histiocytic malignancies. Hsu SM, et al. **Am J Pathol** 1986 Nov;125(2):221–5

Increased interleukin–1 production and monocyte suppressor cell activity associated with human tuberculosis [letter] Rivarola A. **Am Rev Respir Dis** 1987 May;135(5):1218–9

Modulation of cartilage destruction by select nonsteroidal antiinflammatory drugs. In vitro effect on the synthesis and activity of catabolism–inducing cytokines produced by osteoarthritic and rheumatoid synovial tissue. Herman JH, et al. **Arthritis Rheum** 1987 Mar;30(3):257–65

Cuprophan membrane induces interleukin–1 activity. Yamagami S, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):98–101

Hyaluronic acid is an endogenous inducer of interleukin–1 production by human monocytes and rabbit macrophages. Hiro D, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):715–22

Production of interleukin 1 by SK hepatoma tumor cells. Moore WM, et al. **Biochemistry** 1986 Nov 18; 25(23):7696–701

Systemic administration of etretin increases epidermal interleukin I in the rat. Schmitt A, et al. **Br J Dermatol** 1987 May;116(5):615–22

Interleukin–1 producing ability of leukaemia cells and its relationship to morphological diagnosis. Furukawa Y, et al. **Br J Haematol** 1987 Jan;65(1):11–5

Biological characterization of interleukin–1–like cytokine produced by cultured bone cells from newborn mouse calvaria. Hanazawa S, et al. **Calcif Tissue Int** 1987 Jul; 41(1):31–7

Constitutive production of interleukin 1 by human monocytic leukemia cell line JOSK–I and the production mechanism. Furukawa Y, et al. **Cancer Res** 1987 May 15;47(10):2589–93

Lack of production of interleukin 1 by human blood monocytes activated to the antitumor state by liposome–encapsulated muramyl tripeptide. Tandon P, et al. **Cancer Res** 1986 Oct;46(10):5039–44

Interleukin–1 production and antigen presentation by normal human peritoneal macrophages. Becker S, et al. **Cell Immunol** 1986 Apr 1;98(2):467–76

Differential effects of 1,25–dihydroxyvitamin D3 on human lymphocytes and monocyte/macrophages: inhibition of interleukin–2 and augmentation of interleukin–1 production. Bhalla AK, et al. **Cell Immunol** 1986 Apr 1; 98(2):311–22

Inhibition by gangliosides of the specific binding of lipopolysaccharide (LPS) to human monocytes prevents LPS–induced interleukin–1 production. Cavaillon JM, et al. **Cell Immunol** 1987 May;106(2):293–303

Interleukin 1 and prostaglandin production by cells of the mononuclear phagocyte system isolated from mycobacterial granulomas. Montreewasuwat N, et al. **Cell Immunol** 1987 Jan;104(1):12–23

Effect of the anti–thyroid drug methimazole on interleukin–1 and interleukin–2 levels in vitro. Weetman AP. **Clin Endocrinol (Oxf)** 1986 Aug;25(2):133–42

Release in vivo of IL–1 like activity by human skin. Dowd PM, et al. **Clin Exp Immunol** 1987 Mar;67(3):606–10

Enhanced interleukin 1 generation by monocytes in vitro is temporally linked to an early event in the onset or exacerbation of rheumatoid arthritis. Shore A, et al. **Clin Exp Immunol** 1986 Aug;65(2):293–302

Defective production of leucocytic endogenous mediator (interleukin 1) by peripheral blood leucocytes of patients with systemic sclerosis, systemic lupus erythematosus, rheumatoid arthritis and mixed connective tissue disease. Whicher JT, et al. **Clin Exp Immunol** 1986 Jul;65(1):80–9

Interleukin 1 inhibitor masks high interleukin 1 production in acquired immunodeficiency syndrome (AIDS). Berman MA, et al. **Clin Immunol Immunopathol** 1987 Jan; 42(1):133–40

Induction of human interleukin 1 by bacterial and synthetic lipid A. Loppnow H, et al. **Eur J Immunol** 1986 Oct; 16(10):1263–7

The inflammation mediators interleukin 1 and hepatocyte–stimulating factor are differently regulated in human monocytes. Northoff H, et al. **Eur J Immunol** 1987 May;17(5):707–11

Supplemental zinc (Zn2+) restores antibody formation in cultures of aged spleen cells. II. Effects on mediator production. Winchurch RA, et al. **Eur J Immunol** 1987 Jan;17(1):127–32

Endogenous pyrogen/interleukin–1 production in aged rats. Kauffman CA. **Exp Gerontol** 1986;21(2):75–8

Induction of interleukin 1 by synthetic and naturally occurring muramyl peptides. Dinarello CA, et al. **Fed Proc** 1986 Oct;45(11):2545–8

Expression of HLA class II antigens and secretion of interleukin–1 by monocytes and macrophages from adults and neonates. Glover DM, et al. **Immunology** 1987 Jun; 61(2):195–201

Ia antigen expression and IL–1 activity in murine tumour–associated macrophages. Peri G, et al. **Immunology** 1986 Dec;59(4):527–33

Effects of quinolones on interleukin 1 production in vitro by human monocytes. Roche Y, et al. **Immunopharmacology** 1987 Apr;13(2):99–109

Inability of pyrogenic, purified Bordetella pertussis lipid A to induce interleukin–1 release by human monocytes. Caroff M, et al. **Infect Immun** 1986 Nov;54(2):465–71

The rat testis produces large amounts of an interleukin–1–like factor. Khan SA, et al. **Int J Androl** 1987 Apr;10(2):495–503

Discrepancy between the production of interleukin 1, alpha–interferon and granulocytic colony–stimulating activity of human monocytes stimulated by a partially purified human urinary colony–stimulating factor. Hatake K, et al. **Int J Immunopharmacol** 1986;8(6):573–9

Increased interleukin–1 and modulation of interleukin–2 production by murine macrophages and lymphocytes treated with LF 1695. Pascal M, et al. **Int J Immunopharmacol** 1986;8(5):499–508

Enhancement of interleukin–1 and interleukin–2 production by soluble glucan. Sherwood ER, et al. **Int J Immunopharmacol** 1987;9(3):261–7

Purification and characterization of human recombinant interleukin–1 beta. Meyers CA, et al. **J Biol Chem** 1987 Aug 15;262(23):11176–81

Spontaneous production of an interleukin 1–like factor by cloned rheumatoid synovial cells in long–term culture. Goto M, et al. **J Clin Invest** 1987 Sep;80(3):786–96

Interleukin 1 and interleukin 2 production in the acquired immune deficiency syndrome (AIDS) and AIDS–related complex. Gupta S, et al. **J Clin Lab Immunol** 1987 Mar; 22(3):113–6

Ultrafiltration to reject human interleukin–1–inducing substances derived from bacterial cultures. Dinarello CA, et al. **J Clin Microbiol** 1987 Jul;25(7):1233–8

Antigen–mediated interleukin production by mononuclear cells from delayed hypersensitive mice. Kobayashi K, et al. **J Exp Pathol** 1985 Fall;2(3):191–209

IL 1 expression in a clone of human T cells. Acres RB, et al. **J Immunol** 1987 Apr 1;138(7):2132–6

Genetic regulation of lipopolysaccharide–induced interleukin 1 production by murine peritoneal macrophages. Brandwein SR, et al. **J Immunol** 1987 Jun 15;138(12):4263–9

Induction by lipopolysaccharide of intracellular and extracellular interleukin 1 production: analysis with synthetic models. Lasfargues A, et al. **J Immunol** 1987 Jul 15;139(2):429–36

Induction of membrane–associated interleukin 1 by tumor necrosis factor in human fibroblasts. Le JM, et al. **J Immunol** 1987 Apr 1;138(7):2137–42

Human thymic epithelial cells produce interleukin 1. Le PT, et al. **J Immunol** 1987 Apr 15;138(8):2520–6

Tumor necrosis factors alpha and beta differ in their capacities to generate interleukin 1 release from human endothelial cells. Locksley RM, et al. **J Immunol** 1987 Sep 15;139(6):1891–5

Immune interferon enhances the production of interleukin 1 by human endothelial cells stimulated with lipopolysaccharide. Miossec P, et al. **J Immunol** 1986 Nov 1;137(9):2848–52

Down–regulation of interleukin 1 production by macrophages of sarcoma–bearing mice. Moldawer LL, et al. **J Immunol** 1987 Jun 15;138(12):4270–4

Immunosuppression in viral oncogenesis. III. Effects of virus infection on interleukin 1 and interleukin 2 generation and responsiveness. Strayer DS, et al. **J Immunol** 1986 Dec 1;137(11):3632–8

IL 1 induction by murine T cell clones: detection of an IL 1–inducing lymphokine. Takacs L, et al. **J Immunol** 1987 Apr 1;138(7):2124–31

Expression in Escherichia coli of fully active recombinant human IL 1 beta: comparison with native human IL 1 beta. Tocci MJ, et al. **J Immunol** 1987 Feb 15;138(4):1109–14

T cell induction of membrane IL 1 on macrophages. Weaver CT, et al. **J Immunol** 1986 Dec 15;137(12):3868–73

Production of interleukin 1 by adult T cell leukemia (ATL) cell lines. Yamashita U, et al. **J Immunol** 1987 May 15; 138(10):3284–9

Induction of human interleukin–1 production by polymyxin B. Damais C, et al. **J Immunol Methods** 1987 Jul 16; 101(1):51–6

Formation of epidermal cell thymocyte–activating factor

(ETAF) from cultured human keratinocytes from normal and uninvolved psoriatic skin. Kragballe K, et al. **J Invest Dermatol** 1987 Jan;88(1):8–10

Enhanced interleukin-1 production by human monocyte cell lines following treatment with 5-azacytidine. Kovacs EJ, et al. **J Leukocyte Biol** 1987 Jan;41(1):40–6

Macrophage function in patients with American cutaneous leishmaniasis: in vitro cytotoxicity and interleukin-1 production. Ridel PR, et al. **J Parasitol** 1987 Aug; 73(4):769–73

Interleukin-1 secretion by peripheral blood monocytes and synovial macrophages from patients with rheumatoid arthritis. Danis VA, et al. **J Rheumatol** 1987 Feb;14(1):33–9

Interleukin 1 and interleukin 2 generation by peripheral blood cells from patients with ankylosing spondylitis. Keystone EC, et al. **J Rheumatol** 1986 Oct;13(5):944–7

Regulation of cartilage remodeling by IL-1: evidence for autocrine synthesis of IL-1 by chondrocytes. Towle CA, et al. **J Rheumatol** 1987 May;14 Spec No:11–3

Blood–membrane interaction in hemodialysis leads to increased cytokine production. Luger A, et al. **Kidney Int** 1987 Jul;32(1):84–8

Enhancement of in-vitro human interleukin-1 production by sodium acetate. Bingel M, et al. **Lancet** 1987 Jan 3; 1(8523):14–6

Haemodialysis-membrane-induced phagocyte oxidative metabolism activation and interleukin-1 production. Descamps-Latscha B, et al. **Life Support Syst** 1986 Oct–Dec;4(4):349–53

The effects of tumor necrosis factor on the production of interleukin-1 by macrophages. Hoffman MK. **Lymphokine Res** 1986 Fall;5(4):255–60

Catecholamine-induced suppression of interleukin-1 production. Koff WC, et al. **Lymphokine Res** 1986 Fall; 5(4):239–47

Plasma interleukin-1 activity in humans undergoing hemodialysis with regenerated cellulosic membranes. Lonnemann G, et al. **Lymphokine Res** 1987 Spring; 6(2):63–70

The same cloned murine B lymphoma cell lines can be selectively induced to release either interleukin-1- or interleukin-2-like factor activity. Walker EB, et al. **Lymphokine Res** 1987 Spring;6(2):71–81

Effects of disodium ethane-1-hydroxy-1,1-diphosphonate (EHDP) on interleukin 1 production by macrophages. Aida Y, et al. **Microbiol Immunol** 1986;30(11):1199–206

Interleukin 1 production and accessory cell function of rat alveolar macrophages exposed to mineral dust particles. Oghiso Y, et al. **Microbiol Immunol** 1987;31(3):275–87

Heterogeneity in immunologic functions of rat alveolar macrophages—their accessory cell function and IL-1 production. Oghiso Y. **Microbiol Immunol** 1987; 31(3):247–60

Enhanced interleukin 1 production by alveolar macrophages and increase in Ia-positive lung cells in silica-exposed rats. Oghiso Y, et al. **Microbiol Immunol** 1986;30(11):1189–98

Polymyxin-B inhibition of LPS-induced interleukin-1 secretion by human monocytes is dependent upon the LPS origin. Cavaillon JM, et al. **Mol Immunol** 1986 Sep; 23(9):965–9

Epstein-Barr virus-containing epithelial cells from nasopharyngeal carcinoma produce interleukin 1 alpha. Busson P, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(17):6262–6

Induction of murine interleukin 1: stimuli and responsive primary cells. Koide S, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3802–6

Epstein-Barr virus-containing B-cell line produces an interleukin 1 that it uses as a growth factor. Wakasugi H, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):804–8

Human epidermal Langerhans cells and peripheral blood monocytes. Accessory cell function, autoactivating and alloactivating capacity and ETAF/IL-1 production. Räsänen L, et al. **Scand J Immunol** 1986 Nov;24(5):503–8

Blood mononuclear cells in patients with primary Sjögren's syndrome: production of interleukins, enumeration of interleukin-2 receptors, and DNA synthesis. Enk C, et al. **Scand J Rheumatol [Suppl]** 1986;61:131–4

Lymphocyte subpopulations in the neonate: in vitro proliferation, IL-1 and IL-2 production by a subset of HNK-1-, OKT3-, OKT8+ lymphocytes displaying NK activity. Maccario R, et al. **Thymus** 1986;8(4):225–34

A monocyte-derived inhibitor of interleukin 1 induced by human cytomegalovirus. Rodgers BC, et al. **Trans Assoc Am Physicians** 1985;98:334–43

Influence of in vivo cyclosporine on interleukin production in kidney transplant recipients. Yoshimura N, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1194–8

Immunosuppression by canine distemper virus: modulation of in vitro immunoglobulin synthesis, interleukin release and prostaglandin E2 production. Krakowka S, et al. **Vet Immunol Immunopathol** 1987 Jun;15(3):181–201

A role for interleukin-1 in the pathogenesis of Lyme disease. Beck G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec;263(1–2):133–6

[The differential cell counts of bronchoalveolar lavage fluid and interleukin 1 production by alveolar macrophages in patients with collagen-vascular diseases complicated with interstitial pneumonia] Sekimoto S, et al. **Arerugi** 1986 Sep; 35(9):968–74 (Eng. Abstr.) **(Jpn)**

[Prostaglandin E2 and interleukin-1-producing activity of plastic-adherent cells from cancer patients as a result of modification by BRM therapy] Asai R, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):922–30 (Eng. Abstr.) **(Jpn)**

[Augmented production of interleukin 2 in a child with acute myelomonocytic leukemia having interleukin-1-producing leukemia cells: Its transient occurrence during an early stage of the hematological relapse] Hirabayashi S, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 May;49(3):670–5 (Eng. Abstr.) **(Jpn)**

[Inflammation and production of monokines. Origin of interleukin 1] Ishida Y, et al. **Nippon Rinsho** 1987 May; 45(5):954–60 (28 ref.) **(Jpn)**

[Biological production of interleukin 1 induced by stress] Yoshinaga M, et al. **Nippon Rinsho** 1987 May;45(5):931–8 (20 ref.) **(Jpn)**

[Studies on an experimentally-induced acute hepatic failure in mice: low productivity of interleukin 1 and 2] Tsutsui H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 May; 84(5):1090–6 (Eng. Abstr.) **(Jpn)**

[Effect of microbial sensitization and delayed-type hypersensitivity reaction on interleukin-1 production and the generation of monocyte and natural killer cytotoxicity] Gordienko SM. **Biull Eksp Biol Med** 1986 Sep;102(9):324–7 (Eng. Abstr.) **(Rus)**

[Interleukin-1 and prostaglandin production by human peripheral blood monocytes] Koval'chuk LV, et al. **Lab Delo** 1986;(11):657–60 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Interleukin-1-like activity in human cerebrospinal fluid. Gorczynski RM, et al. **Immunol Lett** 1986 Oct 15; 13(5):231–5

GENETICS

cDNA cloning of IL-1 alpha and IL-1 beta from mRNA of U937 cell line. Nishida T, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):345–52

Interleukin 1 alpha mRNA in virus-transformed T and B cells. Noma T, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):353–60

Expression of IL-1 genes in human and bovine chondrocytes: a mechanism for autocrine control of cartilage matrix degradation. Ollivierre F, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):904–11

Evaluation of alveolar macrophages in normals and individuals with active pulmonary sarcoidosis for the spontaneous expression of the interleukin-1 beta gene. Wewers MD, et al. **Cell Immunol** 1987 Jul;107(2):479–88

Molecular biology of interleukin-1. Lomedico PT, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:631–9

A novel leader peptide which allows efficient secretion of a fragment of human interleukin 1 beta in Saccharomyces cerevisiae. Baldari C, et al. **EMBO J** 1987 Jan;6(1):229–34

Purification and characterization of human interleukin-1 beta expressed in recombinant Escherichia coli. Wingfield P, et al. **Eur J Biochem** 1986 Nov 3;160(3):491–7

Point mutations of human interleukin-1 with decreased receptor binding affinity. MacDonald HR, et al. **FEBS Lett** 1986 Dec 15;209(2):295–8

Human interleukin-1 beta gene. Bensi G, et al. **Gene** 1987; 52(1):95–101

Expression in Escherichia coli of synthetic human interleukin-1 alpha genes encoding the processed active protein, mutant proteins, and beta-galactosidase fusion proteins. Zurawski SM, et al. **Gene** 1986;49(1):61–8

Interleukin 1 gene expression in cultured human keratinocytes is augmented by ultraviolet irradiation. Kupper TS, et al. **J Clin Invest** 1987 Aug;80(2):430–6

Inducible interleukin-1 gene expression in human vascular smooth muscle cells. Libby P, et al. **J Clin Invest** 1986 Dec;78(6):1432–8

Interleukin 1 gene expression in adult T cell leukemia. Wano Y, et al. **J Clin Invest** 1987 Sep;80(3):911–6

Gamma interferon enhances macrophage transcription of the tumor necrosis factor/cachectin, interleukin 1, and urokinase genes, which are controlled by short-lived repressors. Collart MA, et al. **J Exp Med** 1986 Dec 1; 164(6):2113–8

Human keratinocytes contain mRNA indistinguishable from monocyte interleukin 1 alpha and beta mRNA. Keratinocyte epidermal cell-derived thymocyte-activating factor is identical to interleukin 1. Kupper TS, et al. **J Exp Med** 1986 Dec 1;164(6):2095–100

Human interleukin 1 induces interleukin 1 gene expression in human vascular smooth muscle cells. Warner SJ, et al. **J Exp Med** 1987 May 1;165(5):1316–31

Transcriptional regulation of the human prointerleukin 1 beta gene. Fenton MJ, et al. **J Immunol** 1987 Jun 1; 138(11):3972–9

Regulation of interleukin 1 gene expression by adherence and lipopolysaccharide. Fuhlbrigge RC, et al. **J Immunol** 1987 Jun 1;138(11):3799–802

Two interleukin 1 genes in the mouse: cloning and expression of the cDNA for murine interleukin 1 beta. Gray PW, et al. **J Immunol** 1986 Dec 1;137(11):3644–8

The interleukin 1 gene is expressed by rat glomerular mesangial cells and is augmented in immune complex glomerulonephritis. Werber HI, et al. **J Immunol** 1987 May 15;138(10):3207–12

High-level expression in Escherichia coli of a soluble and fully active recombinant interleukin-1 beta. Huang JJ, et al. **Mol Biol Med** 1987 Jun;4(3):169–81

Genomic sequence for human prointerleukin 1 beta: possible evolution from a reverse transcribed prointerleukin 1 alpha gene [published erratum appears in Nucleic Acids Res 1987 Jan 26;15(2):868] Clark BD, et al. **Nucleic Acids Res** 1986 Oct 24;14(20):7897–914

The murine interleukin 1 beta gene: structure and evolution. Telford JL, et al. **Nucleic Acids Res** 1986 Dec 22; 14(24):9955–63

IMMUNOLOGY

Ultrastructural studies of time-course and cellular specificity of interleukin-1 mediated islet cytotoxicity. Mandrup-Poulsen T, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1987 Apr; 95(2):55–63

The multiple biological properties of interleukin-1 influencing immunocompetent cells. Dinarello CA. **Adv Exp Med Biol** 1987;213:103–14

Autocrine growth function of interleukin-1-like molecules secreted by neoplastic human B cells. Scala G, et al. **Adv Exp Med Biol** 1987;213:115–24

Accessory cell function in a Con A response: role of Ia and interleukin 1. Kohno K, et al. **Cell Immunol** 1987 May; 106(2):250–9

Modulation of cellular immunity in malnutrition: effect of interleukin 1 on suppressor T cell activity. Hoffman-Goetz L, et al. **Clin Exp Immunol** 1986 Aug;65(2):381–6

Regulation of IgE synthesis by macrophages expressing FcE-receptors: role of interleukin 1. Mazingue C, et al. **Clin Exp Immunol** 1987 Mar;67(3):587–93

Induction of interferon-gamma production and Ia expression by interleukin 1 in bone marrow culture cells. Puri J, et al. **Eur J Immunol** 1987 Feb;17(2):223–8

Age and protein malnutrition: effects on the febrile response. Bradley SF, et al. **Gerontology** 1987;33(2):99–108

Monoclonal anti-IL 1 is directed against a common site of human IL 1 alpha and IL 1 beta. Luger TA, et al. **Immunobiology** 1986 Sep;172(3–5):346–56

Interleukin-1-like activity in capsular material from Haemophilus actinomycetemcomitans. Harvey W, et al. **Immunology** 1987 Mar;60(3):415–8

Mechanism of action of a Db-specific helper clone and factor in cytotoxic responses to alloantigens. Kwong PC, et al. **Immunology** 1987 Jun;61(2):151–7

Characterization of a Db-specific helper factor required for the induction of cytotoxic responses to alloantigens with the use of monoclonal antibodies specific for the helper factor or the T-cell antigen receptor. Kwong PC, et al. **Immunology** 1987 Jun;61(2):143–50

The roles of interleukins in the synergistic effect of B-cell mitogens with concanavalin A on hydrocortisone-resistant thymic cell proliferation. Nitta T, et al. **Immunology** 1986 Oct;59(2):209–16

Characterization and specificity of a high titre polyclonal goat anti-murine IL-1 antibody. Scheetz ME, et al. **Immunology** 1986 Dec;59(4):535–9

Effect of interleukin-1 (IL-1) and IL-2 on lymphocytes from patients with leprosy. Rada EM, et al. **Int J Lepr Other Mycobact Dis** 1987 Jun;55(2):351–3

Defective monokine production and decreased responsiveness of polymorphonuclear leukocytes to recombinant interleukin-1 in asthmatic patients. Hsieh KH, et al. **J Clin Immunol** 1987 May;7(3):203–9

In vitro modulation of T6 expression on gingival Langerhans cells by interleukin-1 inhibitors and ETAF. Walsh LJ, et al. **J Dent Res** 1987 Mar;66(3):766–9

Preparation and characterization of polyclonal and monoclonal antibodies against human interleukin 1 alpha (IL 1 alpha). Kasahara T, et al. **J Immunol** 1987 Mar 15; 138(6):1804–12

Monoclonal antibodies to human recombinant interleukin 1 (IL 1)beta: quantitation of IL 1 beta and inhibition of biological activity. Kenney JS, et al. **J Immunol** 1987 Jun 15;138(12):4236–42

Modulation of the induction and circumvention of immunological tolerance to human gamma-globulin by interleukin 1. Weigle WO, et al. **J Immunol** 1987 Apr 1; 138(7):2069–74

The regulation of human interferon-gamma production by interleukins 1 and 2. Croll AD, et al. **Lymphokine Res** 1986; 5 Suppl 1:S115–9

Regulation of complement proteins C2 and factor B by interleukin-1 and interferon-gamma acting on transfected L cells. Perlmutter DH, et al. **Mol Immunol** 1986 Nov; 23(11):1263–6

Identification of a common class of high affinity receptors for both types of porcine interleukin-1 on connective tissue cells. Bird TA, et al. **Nature** 1986 Nov 20–26; 324(6094):263–6

The cell surface receptors for interleukin-1 alpha and interleukin-1 beta are identical. Dower SK, et al. **Nature** 1986 Nov 20–26;324(6094):266–8

Interleukins and T-cell ontogeny in Xenopus laevis. Cohen N, et al. **Prog Clin Biol Res** 1987;233:53–68 (35 ref.)

Depressed antigen presentation function and membrane interleukin-1 activity of peritoneal macrophages after laparotomy. Stephan RN, et al. **Surgery** 1987 Aug; 102(2):147–54

Effect of interleukin 1 on chemotaxis and chemiluminescence of human neutrophils. Terui T, et al. **Tohoku J Exp Med** 1986 Jul;149(3):317–22

Strategies to radiolabel interleukin 1 and 2. Panuska JR. **Year Immunol** 1986;2:97–105

[Lymphokines, interleukins, cytokines: function and action] Kaufmann SH. **Immun Infekt** 1987 Jul;15(4):127–34 (33 ref.) (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Purification and characterization of recombinant human interleukin-1 beta produced in Escherichia coli. Kikumoto Y, et al. **Biochem Biophys Res Commun** 1987 Aug 31; 147(1):315–21

Purification and characterization of human interleukin-1 alpha produced in Escherichia coli. Wingfield P, et al. **Eur J Biochem** 1987 Jun 15;165(3):537–41

The molecular forms of interleukin-1. Hopp TP, et al. **Immunol Res** 1986;5(4):271–80 (42 ref.)

Isolation of interleukin-1 from human milk. Söder O. **Int Arch Allergy Appl Immunol** 1987;83(1):19–23

Chromatofocusing of N-terminally processed forms of proteins. Isolation and characterization of two forms of interleukin-1 beta and of bovine growth hormone. Wingfield PT, et al. **J Chromatogr** 1987 Jan 30;387:291–300

Characterization of regulatory (interferon-alpha/beta) and accessory (LAF/IL 1) monokine activities from liver granuloma macrophages of Schistosoma mansoni-infected mice. Elliott DE, et al. **J Immunol** 1987 Apr 15; 138(8):2653–62

Isolation and characterization of a primitive interleukin-1-like protein from an invertebrate, Asterias forbesi. Beck G, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(19):7429–33

METABOLISM

Synthetic C-terminal peptide of IL-1 functions as a binding domain as well as an antagonist for the IL-1 receptor. Palaszynski EW. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):204–11

Articular cartilage cultured with interleukin 1. Increased release of link protein, hyaluronate-binding region and other proteoglycan fragments. Ratcliffe A, et al. **Biochem J** 1986 Sep 1;238(2):571–80

Activation of the IL-1 pathway during amplification of immune responses in tumor-bearing mice. Evans R, et al. **Cell Immunol** 1987 Mar;105(1):86–98

Porcine heart valves produce a protein that induces cell-mediated connective tissue degradation: II. Biochemical properties of the partially purified protein. Decker RS, et al. **Circ Res** 1986 Sep;59(3):329–41

Porcine heart valves produce a protein that induces cell-mediated connective tissue degradation: I. Biological properties. Henney AM, et al. **Circ Res** 1986 Sep; 59(3):321–8

Influence of cell sources, stimulating agents, and incubation conditions on release of interleukin-1 from chicken macrophages. Klasing KC, et al. **Dev Comp Immunol** 1987 Spring;11(2):385–94

Identification of the plasma membrane receptor for interleukin-1 on mouse thymoma cells. Bron C, et al. **FEBS Lett** 1987 Jul 27;219(2):365–8

N-terminal-methionylated interleukin-1 beta has reduced receptor-binding affinity [published erratum appears in FEBS Lett 1987 Aug 10;220(1):253] Wingfield P, et al. **FEBS Lett** 1987 May 4;215(1):160–4

Blastogenic responses and the release of interleukins 1 and 2 by spleen cells obtained from rat skin allograft recipients administered with 15-deoxyspergualin. Nemoto K, et al. **J Antibiot (Tokyo)** 1987 Jul;40(7):1062–4

The interleukin-1 receptor binds the human interleukin-1 alpha precursor but not the interleukin-1 beta precursor. Mosley B, et al. **J Biol Chem** 1987 Mar 5;262(7):2941–4

Identification of a high-affinity receptor for native human interleukin 1 beta and interleukin 1 alpha on normal human lung fibroblasts. Chin J, et al. **J Exp Med** 1987 Jan 1; 165(1):70–86

Binding and internalization of interleukin 1 by T cells. Direct evidence for high- and low-affinity classes of interleukin 1 receptor. Lowenthal JW, et al. **J Exp Med** 1986 Oct 1;164(4):1060–74

Studies on the fate of receptor-bound 125I-interleukin 1 beta in porcine synovial fibroblasts. Bird TA, et al. **J Immunol** 1987 Jul 1;139(1):92–7

Psoriatic skin lesions contain biologically active amounts of an interleukin 1-like compound. Camp RD, et al. **J Immunol** 1986 Dec 1;137(11):3469–74

Localization of human mononuclear cell interleukin 1. Conlon PJ, et al. **J Immunol** 1987 Jul 1;139(1):98–102

Effect of UV irradiation on expression of membrane IL 1 by rat macrophages. Lange-Wantzin G, et al. **J Immunol** 1987 Jun 1;138(11):3803–7

Down-regulation of interleukin 1 (IL 1) receptor expression by IL 1 and fate of internalized 125I-labeled IL 1 beta in a human large granular lymphocyte cell line. Matsushima K, et al. **J Immunol** 1986 Nov 15;137(10):3183–8

Evidence that recombinant IL 1 alpha exhibits lectin-like specificity and binds to homogeneous uromodulin via N-linked oligosaccharides. Muchmore AV, et al. **J Immunol** 1987 Apr 15;138(8):2541–6

Detergent solubilization of the interleukin 1 receptor. Paganelli KA, et al. **J Immunol** 1987 Apr 1;138(7):2249–53

Expression of interleukin 1 receptors on human peripheral T cells. Shirakawa F, et al. **J Immunol** 1987 Jun 15; 138(12):4243–8

Ventricular fluid interleukin-1 activity in patients with head injury. McClain CJ, et al. **J Lab Clin Med** 1987 Jul; 110(1):48–54

Determination of the minimum polypeptide lengths of the functionally active sites of human interleukins 1 alpha and 1 beta. Mosley B, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(13):4572–6

PHARMACODYNAMICS

The influence of interleukin-1 on the function of in vitro cultured human thyroid cells in monolayers. Rasmussen AK, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:93–5

Interleukin-1 decreases renal sodium reabsorption: possible mechanism of endotoxin-induced natriuresis. Caverzasio J, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F943–6

Interleukin 1-induced depression of iron and zinc: role of granulocytes and lactoferrin. Goldblum SE, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):E27–32

Leukocytic pyrogen effects on prostaglandins in hypothalamic tissue slices. Scott IM, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):R71–6

Recombinant tumor necrosis factor and interleukin 1 enhance slow-wave sleep. Shoham S, et al. **Am J Physiol** 1987 Jul; 253(1 Pt 2):R142–9

Interleukin-1 is a chemotactic factor for human T-lymphocytes. Hunninghake GW, et al. **Am Rev Respir Dis** 1987 Jan;135(1):66–71

Interleukin-1 and glucocorticoid hormones integrate an immunoregulatory feedback circuit. Del Rey A, et al. **Ann NY Acad Sci** 1987;496:85–90

Production of cartilage degrading activity by human synovial tissues. Brown MF, et al. **Ann Rheum Dis** 1987 Apr; 46(4):319–23

Ocular inflammatory effects of intravitreal interleukin 1. Rosenbaum JT, et al. **Arch Ophthalmol** 1987 Aug; 105(8):1117–20

Interleukin-1 beta and interleukin-1 alpha stimulate the plasminogen activator activity and prostaglandin E2 levels of human synovial cells. Leizer T, et al. **Arthritis Rheum** 1987 May;30(5):562–6

Homogeneous interferon-beta-inducing 25K factor (IL-1 beta) has connective tissue cell stimulating activities. Bunning RA, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1150–7

Recombinant tumor necrosis factor and interleukin-1 both stimulate human synovial cell arachidonic acid release and phospholipid metabolism. Godfrey RW, et al. **Biochem Biophys Res Commun** 1987 Jan 15;142(1):235–41

Enhancement by interleukin-1 (IL-1) of plasminogen activator inhibitor (PA-I) activity in cultured human endothelial cells. Grames M, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):720–7

Cachectin/TNF as well as interleukin-1 induces prostacyclin synthesis in cultured vascular endothelial cells. Kawakami M, et al. **Biochem Biophys Res Commun** 1986 Dec 15; 141(2):482–7

Inhibitory effect of human recombinant interleukin-1 alpha and beta on growth of human vascular endothelial cells. Norioka K, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):969–75

Recombinant human interleukin 1 alpha and beta stimulate mouse osteoblast-like cells (MC3T3-E1) to produce macrophage-colony stimulating activity and prostaglandin E2. Sato K, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):285–91

Stimulation of procollagenase synthesis parallels increases in cellular procollagenase mRNA in human articular chondrocytes exposed to recombinant interleukin 1 beta or phorbol ester. Stephenson ML, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):583–90

Tumor necrosis factor as an interleukin 1-dependent differentiation inducing factor (D-factor) for mouse myeloid leukemic cells. Tamatani T, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):390–7

Stimulation of ACTH release by human interleukin-1 beta, but not by interleukin-1 alpha, in conscious, freely-moving rats. Uehara A, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1286–90

Limited effects of recombinant human and murine interleukin 1 and tumour necrosis factor on production of acute phase proteins by cultured rat hepatocytes. Koj A, et al. **Biochem Int** 1987 Mar;14(3):553–60

Modulation of endothelial function by interleukin-1. A novel target for pharmacological intervention? Mantovani A, et al. **Biochem Pharmacol** 1987 Feb 1;36(3):301–5 (49 ref.)

Interleukin-1 increases collagen production and mRNA levels in cultured skin fibroblasts. Kähäri VM, et al. **Biochim Biophys Acta** 1987 Jul 6;929(2):142–7

Regulation of lipoprotein lipase synthesis and 3T3-L1 adipocyte metabolism by recombinant interleukin 1. Price SR, et al. **Biochim Biophys Acta** 1986 Dec 19;889(3):374–81

Interleukin-1 (22-K factor) induces release of granulocyte-macrophage colony-stimulating activity from human mononuclear phagocytes. Fibbe WE, et al. **Blood** 1986 Dec;68(6):1316–21

Regulation of early human hematopoietic (BFU-E and CFU-GEMM) progenitor cells in vitro by interleukin 1-induced fibroblast-conditioned medium. Zucali JR, et al. **Blood** 1987 Jan;69(1):33–7

Extracts of feverfew inhibit mitogen-induced human peripheral blood mononuclear cell proliferation and cytokine mediated responses: a cytotoxic effect. O'Neill LA, et al. **Br J Clin Pharmacol** 1987 Jan;23(1):81–3

Effects of endogenous pyrogen and prostaglandin E2 on hypothalamic neurons in rat brain slices. Watanabe T, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1382–8

Growth inhibition and augmentation of mouse myeloid leukemic cell line differentiation by interleukin 1. Onozaki K, et al. **Cancer Res** 1987 May 1;47(9):2397–402

Interleukin-1 stimulates the secretion of proteoglycan- and collagen-degrading proteases by rabbit articular chondrocytes. Pasternak RD, et al. **Clin Immunol Immunopathol** 1986 Dec;41(3):351–67

Inflammatory responses to intraocularly injected interleukin 1. Bhattacherjee P, et al. **Curr Eye Res** 1987 Jul;6(7):929–34

Interleukin 1 inhibits insulin secretion from isolated perifused rat islets. Zawalich WS, et al. **Diabetes** 1986 Oct; 35(10):1119–23

Interleukin-1 stimulates thyroid cell growth and increases the concentration of the c-myc proto-oncogene mRNA in thyroid follicular cells in culture. Mine M, et al. **Endocrinology** 1987 Mar;120(3):1212–4

Interleukin 1 and poly(rI).poly(rC) induce production of a hybridoma growth factor by human fibroblasts. Van Damme J, et al. **Eur J Immunol** 1987 Jan;17(1):1–7

Monocyte-conditioned medium and interleukin 1 induce granulocyte-macrophage colony-stimulating factor production in the adherent cell layer of murine bone marrow cultures. Løvhaug D, et al. **Exp Hematol** 1986 Dec;14(11):1037–42

Induction of cyclo-oxygenase by interleukin-1 in rheumatoid synovial cells. O'Neill LA, et al. **FEBS Lett** 1987 Feb 9; 212(1):35–9

Interleukin 1 as a cytokine inducer. Billiau A, et al. **Immunobiology** 1986 Sep;172(3–5):323–35

Mechanism of in vitro antitumor effects of interleukin 1 (IL 1). Endo Y, et al. **Immunobiology** 1986 Sep;172(3–5):316–22

Corticosteroid regulation of IL-1 production may be responsible for deficient immune suppressor function during the metamorphosis of Xenopus laevis, the South African clawed toad. Highet AB, et al. **Immunopharmacology** 1987 Apr;13(2):149–55

Enhanced resistance of mice to bacterial infection induced by recombinant human interleukin-1a. Ozaki Y, et al. **Infect Immun** 1987 Jun;55(6):1436–40

Neuropeptide regulation of interleukin-1 activities. Capacity of alpha-melanocyte stimulating hormone to inhibit interleukin-1-inducible responses in vivo and in vitro exhibits target cell selectivity. Robertson BA, et al. **Inflammation** 1986 Dec;10(4):371–85

Interleukin-1 induces mucus secretion from mouse intestinal explants. Han V, et al. **Int Arch Allergy Appl Immunol** 1987; 82(3–4):364–5

The combined effect of prostaglandin E2 and interleukin 1 on interleukin 2 production and lymphocyte proliferation. Maca RD. **Int J Immunopharmacol** 1987;9(5):611–8

The role of cytokines in arthritic diseases: in vitro and in vivo measurements of cartilage degradation. Dingle JT, et al. **Int J Tissue React** 1987;9(4):349–54

Effects of endogenous pyrogen and prostaglandin E2 on hypothalamic neurons in guinea pig brain slices. Ono T, et al. **J Appl Physiol** 1987 Jul;63(1):175–80

Transmembrane signaling during interleukin 1-dependent T cell activation. Interactions of signal 1- and signal 2-type mediators with the phosphoinositide-dependent signal transduction mechanism. Abraham RT, et al. **J Biol Chem** 1987 Feb 25;262(6):2719–28

Recombinant human interleukin 1-stimulated Na+/H+ exchange is not required for differentiation in pre-B lymphocyte cell line, 70Z/3. Calalb MB, et al. **J Biol Chem** 1987 Mar 15;262(8):3680–4

Biosynthesis of human C-reactive protein in cultured hepatoma cells is induced by a monocyte factor(s) other than interleukin-1. Goldman ND, et al. **J Biol Chem** 1987 Feb 15;262(5):2363–8

Tumor necrosis factor and interleukin-1 cause a rapid and transient stimulation of c-fos and c-myc mRNA levels in human fibroblasts. Lin JX, et al. **J Biol Chem** 1987 Sep 5;262(25):11908–11

Interleukin 1 induces cultured human endothelial cell production of granulocyte-macrophage colony-stimulating factor. Sieff CA, et al. **J Clin Invest** 1987 Jan;79(1):48–51

Recombinant tumor necrosis factor/cachectin and interleukin 1 pretreatment decreases lung oxidized glutathione accumulation, lung injury, and mortality in rats exposed to hyperoxia. White CW, et al. **J Clin Invest** 1987 Jun; 79(6):1868–73

Effects of human interleukin 1 and human tumor necrosis factor on human T lymphocyte colony formation. Zucali JR, et al. **J Clin Invest** 1987 Sep;80(3):772–7

In vitro modulation of T6 expression on gingival Langerhans cells by interleukin-1 inhibitors and ETAF. Walsh LJ, et al. **J Dent Res** 1987 Mar;66(3):766–9

Two monokines, interleukin 1 and tumor necrosis factor, render cultured vascular endothelial cells susceptible to lysis by antibodies circulating during Kawasaki syndrome. Leung DY, et al. **J Exp Med** 1986 Dec 1;164(6):1958–72

Identification of the human 26-kD protein, interferon beta 2 (IFN-beta 2), as a B cell hybridoma/plasmacytoma growth factor induced by interleukin 1 and tumor necrosis factor. Van Damme J, et al. **J Exp Med** 1987 Mar 1; 165(3):914–9

Lipopolysaccharide and interleukin 1 inhibit

interferon-gamma-induced Fc receptor expression on human monocytes. Arend WP, et al. **J Immunol** 1987 Sep 15;139(6):1873–9

Liposomes expressing IL 1 biological activity. Bakouche O, et al. **J Immunol** 1987 Jun 15;138(12):4256–62

rIL 2-induced proliferation of human circulating NK cells and T lymphocytes: synergistic effects of IL 1 and IL 2. Ben Aribia MH, et al. **J Immunol** 1987 Jul 15;139(2):443–51

Interleukin 1 stimulates human endothelial cells to produce granulocyte-macrophage colony-stimulating factor and granulocyte colony-stimulating factor. Broudy VC, et al. **J Immunol** 1987 Jul 15;139(2):464–8

Superinduction of T lymphocyte-endothelial cell (EC) binding by treatment of EC with interleukin 1 and protein synthesis inhibitors. Cavender D, et al. **J Immunol** 1987 Apr 1;138(7):2149–54

Stimulation of B cell growth and differentiation by murine recombinant interleukin 1. Chiplunkar S, et al. **J Immunol** 1986 Dec 15;137(12):3748–52

Alpha-melanocyte-stimulating hormone exhibits target cell selectivity in its capacity to affect interleukin 1-inducible responses in vivo and in vitro. Daynes RA, et al. **J Immunol** 1987 Jul 1;139(1):103–9

Synergistic stimulation of fibroblast prostaglandin production by recombinant interleukin 1 and tumor necrosis factor. Elias JA, et al. **J Immunol** 1987 Jun 1;138(11):3812–6

Human recombinant interleukin 1 beta has no effect on intracellular calcium or on functional responses of human neutrophils. Georgilis K, et al. **J Immunol** 1987 May 15; 138(10):3403–7

Interleukin 1 modulates messenger RNA levels of lymphokines and of other molecules associated with T cell activation in the T cell lymphoma LBRM33-1A5. Hagiwara H, et al. **J Immunol** 1987 Apr 15;138(8):2514–9

Interleukin 1-mediated activation of interleukin 4 (IL 4)-producing T lymphocytes. Proliferation by IL 4-dependent and IL 4-independent mechanisms. Ho SN, et al. **J Immunol** 1987 Sep 1;139(5):1532–40

Augmentation of IL 1-induced fibroblast PGE2 production by a urine-derived IL 1 inhibitor. Korn JH, et al. **J Immunol** 1987 May 15;138(10):3290–4

Induction of c-fos and c-myc expression in T lymphocytes after treatment with recombinant interleukin 1-alpha. Kovacs EJ, et al. **J Immunol** 1986 Dec 1;137(11):3649–51

Retrovirus infection alters growth factor responses of T lymphocytes. Lichtman AH, et al. **J Immunol** 1987 May 15;138(10):3276–83

Interleukin 1 and myelin basic protein synergistically augment adoptive transfer activity of lymphocytes mediating experimental autoimmune encephalomyelitis in Lewis rats. Mannie MD, et al. **J Immunol** 1987 Jun 15; 138(12):4229–35

Increased superoxide anion release from human endothelial cells in response to cytokines. Matsubara T, et al. **J Immunol** 1986 Nov 15;137(10):3295–8

In vivo immunostimulating activity of the 163–171 peptide of human IL-1 beta. Nencioni L, et al. **J Immunol** 1987 Aug 1;139(3):800–4

The in vivo effects of interleukin 1. I. Bone marrow cells are induced to cycle after administration of interleukin 1. Neta R, et al. **J Immunol** 1987 Sep 15;139(6):1861–6

Long-term growth of lymphokine-activated killer (LAK) cells: role of anti-CD3, beta-IL 1, interferon-gamma and -beta. Ochoa AC, et al. **J Immunol** 1987 Apr 15; 138(8):2728–33

Interaction of IL 1 and TPA in modulation of eosinophil function. Pincus SH, et al. **J Immunol** 1986 Dec 1; 137(11):3509–14

Activation of cultured human endothelial cells by recombinant lymphotoxin: comparison with tumor necrosis factor and interleukin 1 species. Pober JS, et al. **J Immunol** 1987 May 15;138(10):3319–24

Autocrine growth function of human interleukin 1 molecules on ROHA-9, an EBV-transformed human B cell line. Scala G, et al. **J Immunol** 1987 Apr 15;138(8):2527–34

Human monocyte or recombinant interleukin 1's are specific for the secretion of a metalloproteinase from chondrocytes. Schnyder J, et al. **J Immunol** 1987 Jan 15;138(2):496–503

Interleukin 1 stimulates endothelial cells to release multilineage human colony-stimulating activity. Segal GM, et al. **J Immunol** 1987 Mar 15;138(6):1772–8

Synergistic interactions between interleukin 1, tumor necrosis factor, and lymphotoxin in bone resorption. Stashenko P, et al. **J Immunol** 1987 Mar 1;138(5):1464–8

The role of interferon-beta 1 and the 26-kDa protein (interferon-beta 2) as mediators of the antiviral effect of interleukin 1 and tumor necrosis factor. Van Damme J, et al. **J Immunol** 1987 Sep 15;139(6):1867–72

Induction of colony stimulating factor in vivo by recombinant interleukin 1 alpha and recombinant tumor necrosis factor alpha 1. Vogel SN, et al. **J Immunol** 1987 Apr 1;138(7):2143–8

Effect of protein depletion and short-term parenteral refeeding on the host response to interleukin 1 administration. Drabik MD, et al. **J Lab Clin Med** 1987 Apr;109(4):509–16

Beta-endorphin amplifies the effect of interleukin-1 on mouse mesangial cell proliferation. Ooi BS, et al. **J Lab Clin Med** 1987 Aug;110(2):159–63

Modulation of cell proliferation by human recombinant interleukin-1 and immune interferon. Tsai SC, et al. **JNCI** 1987 Jul;79(1):77–81

Interleukin-1 (IL-1) depresses cytochrome P450 levels and activities in mice. Shedlofsky SI, et al. **Life Sci** 1987 Jun 15;40(24):2331–6

A cytokine network in human diploid fibroblasts: interactions of beta-interferons, tumor necrosis factor, platelet-derived growth factor, and interleukin-1. Kohase M, et al. **Mol Cell Biol** 1987 Jan;7(1):273–80

Effects of interleukin-1 on hormone release from normal rat pituitary cells in primary culture. Uehara A, et al. **Neuroendocrinology** 1987 May;45(5):343–7

Proteoglycan- and collagen-degrading enzymes from human interleukin 1-stimulated chondrocytes from several species: proteoglycanase and collagenase inhibitors as potentially new disease-modifying antiarthritic agents. DiPasquale G, et al. **Proc Soc Exp Biol Med** 1986 Nov;183(2):262–7

Direct stimulation of the adrenal cortex by interleukin-1. Roh MS, et al. **Surgery** 1987 Aug;102(2):140–6

Interleukin 1 stimulates endothelial cell tissue factor production and expression by a prostaglandin-independent mechanism. Schorer AE, et al. **Thromb Haemost** 1986 Dec 15;56(3):256–9

Enhanced release of von Willebrand factor by human endothelial cells in culture in the presence of phorbol myristate acetate and interleukin 1. Giddings JC, et al. **Thromb Res** 1987 Aug 1;47(3):259–67

The use of allogeneic stimulation and exogenous interleukin for syngeneic tumor rejection. Sherburne CG, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):628–31

Phylogenetic studies on lymphokines. Fish lymphocytes respond to human IL-1 and epithelial cells produce an IL-1 like factor. Sigel MM, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):47–58

PHYSIOLOGY

Interleukin 1 and the pathogenesis of inflammatory diseases. Maury CP. **Acta Med Scand** 1986;220(4):291–4 (33 ref.)

Arthritogenic activity of interleukin 1. Pettipher ER, et al. **Agents Actions** 1986 Dec;19(5–6):337–8

Fever and malnutrition: endogenous pyrogen/interleukin-1 in malnourished patients. Kauffman CA, et al. **Am J Clin Nutr** 1986 Oct;44(4):449–52

The role of interleukin-1 in neutrophil leukocyte emigration induced by endotoxin. Cybulsky MI, et al. **Am J Pathol** 1986 Sep;124(3):367–72

Stimulation of the synthesis of collagenase activator protein in cartilage by a factor present in synovial-conditioned medium. Treadwell BV, et al. **Arch Biochem Biophys** 1986 Dec;251(2):724–31

Human recombinant interleukin-1 beta stimulates glycosaminoglycan production in human synovial fibroblast cultures. Yaron I, et al. **Arthritis Rheum** 1987 Apr;30(4):424–30

Human alpha 1-acid glycoprotein-exposed macrophages release interleukin 1 inhibitory activity. Bories PN, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):710–5

Interleukin-1 derived from human monocytic leukemia cell line JOSK-I acts as an autocrine growth factor. Furukawa Y, et al. **Biochem Biophys Res Commun** 1987 Aug 31; 147(1):39–46

Gamma interferon inhibits basal and interleukin 1-induced prostaglandin production and bone resorption in neonatal mouse calvaria. Hoffmann O, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):38–43

Interleukin-1 inhibits the synthesis of collagen by fibroblasts. Bhatnagar R, et al. **Biochem Int** 1986 Oct;13(4):709–20

Interleukin 1 preferentially stimulates the production of tissue-type plasminogen activator by human articular chondrocytes. Bunning RA, et al. **Biochim Biophys Acta** 1987 Jun 22;924(3):473–82

Studies on the mechanism of interleukin 1 stimulation of platelet activating factor synthesis in human endothelial cells in culture. Bussolino F, et al. **Biochim Biophys Acta** 1987 Jan 19;927(1):43–54

The interleukin-1 family of molecules. Allison AC. **Bioessays** 1985 Dec;3(6):260–3

Modulation of endothelial cell functions by different molecular species of interleukin 1. Dejana E, et al. **Blood** 1987 Feb;69(2):695–9

Control of hemopoiesis by a bone marrow stromal cell clone: lipopolysaccharide- and interleukin-1-inducible production of colony-stimulating factors. Rennick D, et al. **Blood** 1987 Feb;69(2):682–91

Is the pathogenesis of Sweet's syndrome mediated by interleukin-1? [letter] Going JJ. **Br J Dermatol** 1987 Feb; 116(2):282–3

A study of the effects of catabolin on cyclic adenosine monophosphate biosynthesis and prostaglandin E2 secretion in pig articular chondrocytes. Carroll GJ. **Br J Rheumatol** 1986 Nov;25(4):359–65

Induction, in vivo and in vitro, of macrophage membrane interleukin-1 by adjuvant-active synthetic muramyl peptides. Bahr GM, et al. **Cell Immunol** 1987 Jul; 107(2):443–54

The regulation of gamma-interferon production by interleukins 1 and 2. Croll AD, et al. **Cell Immunol** 1986 Oct 1;102(1):33–42

Secretion and role of interleukin-1-like factor in the antibody response to dinitrophenyl dextran and other type 2 T-independent antigens. Taira S, et al. **Cell Immunol** 1986 Apr 1;98(2):386–95

Characteristics of bacterial lipopolysaccharide induction of interleukin 1 synthesis and secretion by human monocytes. Arend WP, et al. **Clin Exp Immunol** 1986 Jun;64(3):656–64

Pyrogenic and haematological effects of the interferon-inducing 22K factor (interleukin 1 beta) from human leukocytes. van Damme J, et al. **Clin Exp Immunol** 1986 Nov;66(2):303–11

Requirement for mitogen, T cell-accessory cell contact, and interleukin 1 in the induction of resting T-cell proliferation. Chatila TA, et al. **Clin Immunol Immunopathol** 1987 Aug; 44(2):235–47

Interleukin 1, tumour necrosis factor-alpha (cachectin) and the pathogenesis of cancer cachexia. Moldawer LL, et al. **Clin Physiol** 1987 Aug;7(4):263–74 (92 ref.)

Interleukin 1 is potent modulator of insulin secretion from isolated rat islets of Langerhans. Comens PG, et al. **Diabetes** 1987 Aug;36(8):963–70

Islet cytotoxicity of interleukin 1. Influence of culture conditions and islet donor characteristics. Mandrup-Poulsen T, et al. **Diabetes** 1987 May;36(5):641–7

Comparison of the bone-resorbing activity in the supernatants from phytohemagglutinin-stimulated human peripheral blood mononuclear cells with that of cytokines through the use of an antiserum to interleukin 1. Lorenzo JA, et al. **Endocrinology** 1987 Sep;121(3):1164–70

Antigen presentation by hapten-specific B lymphocytes. III. Analysis of the immunoglobulin-dependent pathway of antigen presentation to interleukin 1-dependent T lymphocytes. Rock KL, et al. **Eur J Immunol** 1986 Nov; 16(11):1407–12

Increased adhesion of polymorphonuclear leukocytes to vascular endothelium by specific interaction of endogenous (interleukin-1) and exogenous (lipopolysaccharide) substances with endothelial cells 'in vitro'. Dunn CJ, et al. **Eur J Rheumatol Inflamm** 1984;7(3):80–6

Emigration and accumulation of PMN-leukocytes induced by endotoxin, interleukin 1 and other chemotactic substances. Movat HZ, et al. **Folia Histochem Cytobiol** 1986;24(2):75–88

Multiple biological properties of recombinant human interleukin 1 (beta). Dinarello CA. **Immunobiology** 1986 Sep;172(3–5):301–15

The receptor for interleukin 1 in plasma membranes of the human leukemia cell K 562: biological and biochemical characterization. Resch K, et al. **Immunobiology** 1986 Sep; 172(3–5):336–45

Purified interleukin-1 (IL-1) from human monocytes stimulates acute-phase protein synthesis by rodent hepatocytes in vitro. Gauldie J, et al. **Immunology** 1987 Feb;60(2):203–7

Role of interleukin-1 in the depression of liver drug metabolism by endotoxin. Ghezzi P, et al. **Infect Immun** 1986 Dec;54(3):837–40

Interleukin-1. A new mediator in dermatology. Lisby G, et al. **Int J Dermatol** 1987 Jan-Feb;26(1):8–13

Corneal epithelial cells produce thromboxane in response to interleukin 1 (IL-1). Shams NB, et al. **Invest Ophthalmol Vis Sci** 1986 Oct;27(10):1543–5

Physiological mechanisms contributing to increased interleukin-1 secretion. Cannon JG, et al. **J Appl Physiol** 1986 Nov;61(5):1869–74

Metabolic changes following eccentric exercise in trained and untrained men. Evans WJ, et al. **J Appl Physiol** 1986 Nov;61(5):1864–8

Interleukin-1-induced granulocytopenia and pulmonary leukostasis in rabbits. Goldblum SE, et al. **J Appl Physiol** 1987 Jan;62(1):122–8

Dexamethasone inhibits feedback regulation of the mitogenic activity of tumor necrosis factor, interleukin-1, and epidermal growth factor in human fibroblasts. Kohase M, et al. **J Cell Physiol** 1987 Aug;132(2):271–8

Interleukin 1 stimulates granulocyte macrophage colony-stimulating activity release by vascular endothelial cells. Bagby GC Jr, et al. **J Clin Invest** 1986 Nov; 78(5):1316–23

Role of interleukin-1 in augmenting serum neutralization of bacterial lipopolysaccharide. Riveau GR, et al. **J Clin Microbiol** 1987 May;25(5):889–92

Interleukin-1 modulates T6 expression on a putative intra-epithelial Langerhans cell precursor population. Walsh LJ, et al. **J Dent Res** 1986 Dec;65(12):1424–6

Interleukin 1 enhances T-dependent immune responses by amplifying the function of dendritic cells. Koide SL, et al. **J Exp Med** 1987 Feb 1;165(2):515–30

A short synthetic peptide fragment of human interleukin 1 with immunostimulatory but not inflammatory activity. Antoni G, et al. **J Immunol** 1986 Nov 15;137(10):3201–4

Macrophage membrane interleukin 1 regulates the expression of acute phase proteins in human hepatoma Hep 3B cells. Beuscher HU, et al. **J Immunol** 1987 Sep 15; 139(6):1896–901

Interleukin 1 induces interleukin 1. I. Induction of circulating interleukin 1 in rabbits in vivo and in human mononuclear cells in vitro. Dinarello CA, et al. **J Immunol** 1987 Sep 15;139(6):1902–10

Visualization and characterization of interleukin 1 receptors in brain. Farrar WL, et al. **J Immunol** 1987 Jul 15; 139(2):459–63

Role of CD2 and IL 1 beta in T cell responsiveness to IL 2. Gromo G, et al. **J Immunol** 1987 Apr 1;138(7):2155–60

Thy-1-negative and Ly-1-negative variants of T cells produce interleukin 2 in response to mitogens. Hollander N. **J Immunol** 1987 Jul 15;139(2):437–42

Down regulation of the receptors for tumor necrosis factor

by interleukin 1 and 4 beta-phorbol-12-myristate-13-acetate. Holtmann H, et al. **J Immunol** 1987 Aug 15;139(4):1161-7

Role of interleukin 1 in early T cell development: Lyt-2-L3T4- thymocytes bind and respond in vitro to recombinant IL 1. Howe RC, et al. **J Immunol** 1986 Nov 15;137(10):3195-200

Membrane-associated interleukin 1 is required for the activation of T cells in the anti-CD3 antibody-induced T cell response. Hurme M. **J Immunol** 1987 Aug 15; 139(4):1168-72

Prostaglandins posttranscriptionally inhibit monocyte expression of interleukin 1 activity by increasing intracellular cyclic adenosine monophosphate. Knudsen J J, et al. **J Immunol** 1986 Nov 15;137(10):3189-94

Growth-promoting effect of recombinant interleukin 1 and tumor necrosis factor for a human astrocytoma cell line. Lachman LB, et al. **J Immunol** 1987 May 1;138(9):2913-6

Interleukin 1-driven secretion of interleukin 2 is highly temperature-dependent. Lederman HM, et al. **J Immunol** 1987 Jun 1;138(11):3808-11

Macrophage handling of a tolerogen and the role of IL 1 in tolerance induction in a helper T cell clone in vitro. Levich JD, et al. **J Immunol** 1987 Jun 1;138(11):3675-9

Membrane-associated interleukin 1 activity on human U937 tumor cells: stimulation of PGE2 production by human chondrosarcoma cells. Merluzzi VJ, et al. **J Immunol** 1987 Jul 1;139(1):166-8

Regulation of hepatic acute phase protein synthesis by products of interleukin 2 (IL 2)-stimulated human peripheral blood mononuclear cells. Mier JW, et al. **J Immunol** 1987 Aug 15;139(4):1268-72

The interleukin 1 receptor. Dynamics of interleukin 1 binding and internalization in T cells and fibroblasts. Mizel SB, et al. **J Immunol** 1987 May 1;138(9):2906-12

Functions of accessory cells in B cell responses to thymus-independent antigens. Sinha AA, et al. **J Immunol** 1987 Jun 15;138(12):4143-9

Interleukin 1 releases histamine from human basophils and mast cells in vitro. Subramanian N, et al. **J Immunol** 1987 Jan 1;138(1):271-5

Recombinant murine and human IL 1 alpha bind to human endothelial cells with an equal affinity, but have an unequal ability to induce endothelial cell adherence of lymphocytes. Thieme TR, et al. **J Immunol** 1987 Aug 15;139(4):1173-8

Interleukin 1 induces interleukin 1. II. Recombinant human interleukin 1 induces interleukin 1 production by adult human vascular endothelial cells. Warner SJ, et al. **J Immunol** 1987 Sep 15;139(6):1911-7

Expression of mRNA homologous to interleukin 1 in human epidermal cells. Bell TV, et al. **J Invest Dermatol** 1987 Apr;88(4):375-9

In vitro cultured human monocytes release fibroblast proliferation factor(s) different from interleukin 1. Austgulen R, et al. **J Leukocyte Biol** 1987 Jul;42(1):1-8

Effects of antimalarial drugs on interleukin 1-induced cartilage proteoglycan degradation in-vitro. Rainsford KD. **J Pharm Pharmacol** 1986 Nov;38(11):829-33

Synovial membrane-cartilage interactions--the role of serine proteinase inhibitors in interleukin-1 mediated degradation of articular damage. Ghosh P, et al. **J Rheumatol** 1987 May; 14 Spec No:122-4

Control of collagen synthesis in human chondrocyte cultures by immune interferon and interleukin-1. Goldring MB. **J Rheumatol** 1987 May;14 Spec No:64-6

The role of mononuclear cell products as modulators of cartilage degradation. Mort JS, et al. **J Rheumatol** 1987 May;14 Spec No:86-7

Interleukin 1: purification and biochemical aspects of its action on cartilage. Saklatvala J. **J Rheumatol** 1987 May; 14 Spec No:52-4

Serum interleukin-1 (IL-1) activity in alcoholic hepatitis. McClain CJ, et al. **Life Sci** 1986 Oct 20;39(16):1479-85

Interleukin-1 and osteoarthritis. Pujol JP, et al. **Life Sci** 1987 Sep 7;41(10):1187-98 (99 ref.)

B-cell line-derived interleukin 1 is cytotoxic for melanoma cells and promotes the proliferation of an astrocytoma cell line. Bertoglio JH, et al. **Lymphokine Res** 1987 Spring; 6(2):83-91

A common class of receptors for the two types of porcine interleukin-1 on articular chondrocytes. Saklatvala J, et al. **Lymphokine Res** 1986;5 Suppl 1:S99-104

Tumor necrosis factor/cachectin is a less potent inducer of serum amyloid A synthesis than interleukin 1. Sipe JD, et al. **Lymphokine Res** 1987 Spring;6(2):93-101

Comparison of the effects of recombinant murine and human interleukin-1 in vitro and in vivo. Westmacott D, et al. **Lymphokine Res** 1986;5 Suppl 1:S87-91

Feline interleukin 1 derived from alveolar macrophages stimulated with lipopolysaccharide. Goitsuka R, et al. **Nippon Juigaku Zasshi** 1987 Aug;49(4):631-6

Interleukin 1 stimulates platelet activating factor production in cultured human endothelial cells. Bussolino F, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:133-7

Interleukin 1 regulates hematopoietic activity, a role previously ascribed to hemopoietin 1. Mochizuki DY, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5267-71

A major factor contributing to epidermal proliferation in inflammatory skin diseases appears to be interleukin 1 or a related protein. Ristow HJ. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1940-4

In vitro enhanced thromboxane B2 release by polymorphonuclear leukocytes and macrophages after treatment with human recombinant interleukin 1. Conti P, et al. **Prostaglandins** 1986 Jul;32(1):111-5

Diverse morphological responses of normal human synovial fibroblasts to mononuclear leukocyte products: relationship to prostaglandin production and plasminogen activator activities, and comparison with the effects of purified interleukin 1. Clarris BJ, et al. **Rheumatol Int** 1987; 7(1):35-41

Interleukin-1: amino acid sequences, multiple biological activities and comparison with tumor necrosis factor (cachectin). Dinarello CA. **Year Immunol** 1986;2:68-89 (114 ref.)

[Inflammation and production of monokines. Role of interleukin 1 and relations to prostaglandins] Hattori A, et al. **Nippon Rinsho** 1987 May;45(5):969-77 (24 ref.) **(Jpn)**

[Production of acute phase proteins in the liver. Interleukin 1 and the hepatocyte stimulating factor] Matsumoto M, et al. **Nippon Rinsho** 1987 May;45(5):1032-9 (20 ref.) **(Jpn)**

[Inflammation and production of monokines. Hyperthermia induced by interleukin 1, endogenous pyrogen] Murakami N. **Nippon Rinsho** 1987 May;45(5):961-8 (20 ref.) **(Jpn)**

[Extra-hepatic effect of monokines and other substances. Brain, muscles, connective tissue and interleukin 1] Shimokado K, et al. **Nippon Rinsho** 1987 May; 45(5):995-1001 (45 ref.) **(Jpn)**

[Extra-hepatic effect of monokines and other substances. Interleukin 1 and immune system] Takahashi T, et al. **Nippon Rinsho** 1987 May;45(5):978-87 (67 ref.) **(Jpn)**

[Antitumor effect of biological factors and their response] Yamazaki M. **Nippon Rinsho** 1987 May;45(5):1144-55 **(Jpn)**

[Multiple functions of interleukin 1] Kasahara T. **Seikagaku** 1986 Nov;58(11):1395-400 (16 ref.) **(Jpn)**

RADIATION EFFECTS

Whole-body exposure to ultraviolet radiation results in increased serum interleukin-1 activity in humans. Granstein RD, et al. **Lymphokine Res** 1987 Summer;6(3):187-93

SECRETION

The in vitro effects of trichothecenes on the immune system. Miller K, et al. **Arch Toxicol [Suppl]** 1987;11:321-4

Secretion of interleukin 1/leucocytic pyrogen from endotoxin-stimulated human alveolar macrophages is unaffected by indomethacin. Eden E, et al. **Immunopharmacology** 1986 Oct;12(2):81-8

Effect of the late complement components C5b-9 on human monocytes: release of prostanoids, oxygen radicals and of a factor inducing cell proliferation. Hänsch GM, et al. **Int Arch Allergy Appl Immunol** 1987;82(3-4):317-20

Effects of adriamycin, 4-hydroperoxycyclophosphamide and ASTA Z 7557 (INN mafosfamide) on the release of IL-2 and IL-1 in vitro. Abdul Hamied TA, et al. **Int J Immunopharmacol** 1987;9(3):355-61

Increased release of interleukin-1 from mouse peritoneal macrophages in vitro after cisplatin treatment. Gupta P, et al. **Int J Immunopharmacol** 1987;9(3):385-8

Enhancement of interleukin 1 and interleukin 2 releases by ubenimex. Shibuya K, et al. **J Antibiot (Tokyo)** 1987 Mar; 40(3):363-9

Interleukin 1 release by human monocytes treated with liposome-encapsulated lipopolysaccharide. Bakouche O, et al. **J Immunol** 1987 Aug 15;139(4):1120-6

Interleukin 1 (IL 1) as a mediator of crystal arthritis. Stimulation of T cell and synovial fibroblast mitogenesis by urate crystal-induced IL 1. Di Giovine FS, et al. **J Immunol** 1987 May 15;138(10):3213-8

Differential effects of interferon-alpha and interferon-gamma on interleukin 1 secretion by monocytes. Gerrard TL, et al. **J Immunol** 1987 Apr 15;138(8):2535-40

C1q inhibits the expression of B lymphoblastoid cell line interleukin 1 (IL 1). Habicht GS, et al. **J Immunol** 1987 Apr 15;138(8):2593-7

C3a(C3adesArg) induces production and release of interleukin 1 by cultured human monocytes. Haeffner-Cavaillon N, et al. **J Immunol** 1987 Aug 1; 139(3):794-9

Keratinocyte membrane-associated epidermal cell-derived thymocyte-activating factor (ETAF). Goldminz D, et al. **J Invest Dermatol** 1987 Jan;88(1):97-100

Hydrocortisone reduces both constitutive and UV-elicited release of epidermal thymocyte activating factor (ETAF) by cultured keratinocytes. Kupper TS, et al. **J Invest Dermatol** 1986 Nov;87(5):570-3

Endotoxic activities of tumor necrosis factor independent of IL1 secretion by macrophages/monocytes. Männel DN, et al. **Lymphokine Res** 1987 Summer;6(3):151-9

Spontaneous release of interleukin 1 from human blood monocytes reflects bone formation in idiopathic osteoporosis. Pacifici R, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4616-20

Interactions of Thermoactinomyces vulgaris and mouse alveolar macrophages. Loss of mitogenic activity and release of suppressive prostaglandins and interleukin 1. Jägerroos HJ, et al. **Scand J Immunol** 1986 Oct;24(4):381-6

THERAPEUTIC USE

Antitumor effect of recombinant human interleukin 1 alpha against murine syngeneic tumors. Nakamura S, et al. **Jpn J Cancer Res** 1986 Aug;77(8):767-73

[Interleukin 1 in host anti-tumor mechanisms] Minato N. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2105-10 (Eng. Abstr.) **(Jpn)**

TOXICITY

Effects of anti-inflammatory drugs on cartilage recovery from catabolin-induced degradation. Strathy GM, et al. **Agents Actions** 1987 Jun;21(1-2):149-59

URINE

Sandwich enzyme immunoassay for human interleukin-1 beta (hIL-1 beta) in urine. Tanaka K, et al. **Clin Chim Acta** 1987 Jul 15;166(2-3):237-46

Prostaglandin E2 and collagenase production by fibroblasts and synovial cells is regulated by urine-derived human interleukin 1 and inhibitor(s). Balavoine JF, et al. **J Clin Invest** 1986 Oct;78(4):1120-4

INTERLEUKIN 2

see related

HELPER CELLS

Characterization of disulfide bonds in recombinant proteins: reduced human interleukin 2 in inclusion bodies and its oxidative refolding. Tsuji T, et al. **Biochemistry** 1987 Jun 2;26(11):3129-34

Interleukin-2. Meyers C, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1986;123(2):91-3

Leukotriene B4 causes proliferation of interleukin 2-dependent T cells in the presence of suboptimal levels of interleukin 2. Atluru D, et al. **Cell Immunol** 1986 May; 99(2):444-52

Recombinant interleukin-2-induced polyclonal proliferation of in vitro unstimulated human peripheral blood lymphocytes. Bich-Thuy LT, et al. **Cell Immunol** 1986 Apr 1;98(2):396-410

IL-2- and IFN gamma-enhanced natural cytotoxic activity: analysis of the role of different lymphoid subsets and implications for activation routes. Braakman E, et al. **Cell Immunol** 1986 May;99(2):476-88

Is there an interleukin 2 inhibitor in human serum? Lelchuk R, et al. **Cell Immunol** 1987 Jan;104(1):126-33

T cell help in human antigen-specific antibody responses can be replaced by interleukin 2. Callard RE, et al. **Eur J Immunol** 1986 Sep;16(9):1037-42

In vivo administration of interleukin 2 stimulates mitosis in thymus and bone marrow. Gearing AJ, et al. **Eur J Immunol** 1986 Sep;16(9):1171-4

Detection of rearranged T cell receptor beta-chain gene and induction of cytolytic function in interleukin 2-responsive day 14-15 murine fetal thymocytes. Hardt C, et al. **Eur J Immunol** 1986 Sep;16(9):1087-92

Interleukin 2 is a proliferative signal for B cells from autoimmune mice. Lehmann KR, et al. **Eur J Immunol** 1986 Sep;16(9):1105-10

Administration of recombinant interleukin 2 to mice enhances production of hemopoietic and natural killer cells. Piguet PF, et al. **Eur J Immunol** 1986 Oct;16(10):1257-61

Different human B cell subsets respond to interleukin 2 and to a high molecular weight B cell growth factor (BCGF). Vazquez A, et al. **Eur J Immunol** 1986 Dec;16(12):1503-7

Induction of murine gamma interferon production by lipopolysaccharide and interleukin-2 in Propionibacterium acnes-induced peritoneal exudate cells [published erratum appears in Infect Immun 1987 Aug;55(8):1948] Okamura H, et al. **Infect Immun** 1987 Feb;55(2):335-41

Suppression of T-helper cell function in mice following exposure to the carcinogen 7,12-dimethylbenz[a]anthracene and its restoration by interleukin-2. House RV, et al. **Int J Immunopharmacol** 1987;9(1):89-97

Crystals and a low resolution structure of interleukin-2. Brandhuber BJ, et al. **J Biol Chem** 1987 Sep 5; 262(25):12306-8

Development of fetal thymocytes in organ cultures. Effect of interleukin 2. Skinner M, et al. **J Exp Med** 1987 Jun 1;165(6):1481-93

Analysis of two distinct B cell activation pathways mediated by a monoclonal T helper cell. I. MHC-restricted activation of B cells by an IL 2-dependent pathway. Asano Y, et al. **J Immunol** 1987 Feb 1;138(3):667-73

Alterations in the amino-terminal third of mouse interleukin 2: effects on biological activity and immunoreactivity. Zurawski SM, et al. **J Immunol** 1986 Nov 15; 137(10):3354-60

Stimulation of resting normal human peripheral blood mononuclear cells by fetal calf sera. Activation to an interleukin-2 responsive state. Lakhanpal S, et al. **J Immunol Methods** 1986 Nov 20;94(1-2):197-200

Regulation of large granular lymphocytes and human T cell growth and function by recombinant interleukin 2. II. Acquisition of potent cytotoxic capabilities. Yamada S, et al. **J Leukocyte Biol** 1987 Sep;42(3):263-72

Dissociation of interleukin-2-mediated cell proliferation and interleukin-2 receptor upregulation in adult T-cell leukemia cells. Hori T, et al. **Leuk Res** 1986;10(12):1447-53

Recent advances in the understanding of the biochemistry and clinical pharmacology of interleukin-2. Fletcher M, et al. **Lymphokine Res** 1987 Winter;6(1):45-57 (95 ref.)

Plans and reagents for a collaborative study to establish an international reference preparation for human interleukin-2. Gearing AJ, et al. **Lymphokine Res** 1986;5 Suppl 1:S19-21

Parameters for the evaluation of IL-2 stability. Kenney WC, et al. **Lymphokine Res** 1986;5 Suppl 1:S23-7

The BRMP IL-2 reference reagent. Rossio JL, et al. **Lymphokine Res** 1986;5 Suppl 1:S13-8

Chemical modification of recombinant interleukin 2 by polyethylene glycol increases its potency in the murine Meth A sarcoma model. Katre NV, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1487-91

Sequence homology between acquired immunodeficiency syndrome virus envelope protein and interleukin 2 [published erratum appears in Proc Natl Acad Sci USA 1987 Jan;84(2):564] Reiher WE 3d, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9188-92

The role of calcium in stimulation of activated T lymphocytes with interleukin 2. Larsen CS, et al. **Scand J Immunol** 1986 Dec;24(6):689-97

Induction of responsiveness to interleukin 2 in mouse lymphocytes by synergistic action of ionophore A 23187 and diacylgiycerol. Stoeck M, et al. **Scand J Immunol** 1987 Jul;26(1):85-9

Kinetics of Ca2+ uptake into lectin-induced secondary lymphocytes during reactivation with concanavalin A or interleukin 2. Wolff CH. **Scand J Immunol** 1987 Jul; 26(1):7-10

Structure-activity studies of interleukin-2. Cohen FE, et al. **Science** 1986 Oct 17;234(4774):349-52

Modulation of the response to interleukin 2 in recipients of donor-specific transfusions under azathioprine immunosuppression. Tyler JD, et al. **Transplantation** 1986 Nov;42(5):502-6

[Interleukin 2] Strejček J, et al. **Cas Lek Cesk** 1986 Dec 19; 125(51):1566-9 (25 ref.) (Eng. Abstr.) **(Cze)**

[Interleukins: the hormones of the immune system] Rozenbaum M, et al. **Harefuah** 1986 Dec 15;111(12):434-6 (35 ref.) **(Heb)**

ADMINISTRATION & DOSAGE

Continuous intrasplenic interleukin-2 combined with antigen-specific chemoimmunotherapy. Naito K, et al. **Arch Surg** 1986 Dec;121(12):1415-20

Effect of exogenous interleukins on in vitro responses of T lymphocytes from patients with Hodgkin disease. Mukhopadhyaya R, et al. **Cancer Detect Prev** 1987; 10(5-6):445-51

Enhancement of therapeutic effects of recombinant interleukin 2 on a transplantable rat fibrosarcoma by the use of a sustained release vehicle, pluronic gel. Morikawa K, et al. **Cancer Res** 1987 Jan 1;47(1):37-41

Intrasplenic administration of interleukin-2 to potentiate specific chemoimmunotherapy in tumor-bearing mice. Nomi S, et al. **Cancer Res** 1986 Nov;46(11):5606-10

Effect of corticosteroid on the antitumor activity of lymphokine-activated killer cells and interleukin 2 in mice. Papa MZ, et al. **Cancer Res** 1986 Nov;46(11):5618-23

Effect of immunotherapy with allogeneic lymphokine-activated killer cells and recombinant interleukin 2 on established pulmonary and hepatic metastases in mice. Shiloni E, et al. **Cancer Res** 1986 Nov; 46(11):5633-40

Immunotherapy of murine sarcomas with interleukin 2. I. Local administration of human recombinant IL-2 preparations. Bubeník J, et al. **Folia Biol (Praha)** 1986; 32(6):384-91

Intralymphatic interleukin 2 treatment in patients with acquired immunodeficiency syndrome: preliminary experience in three cases. Gramatzki M, et al. **Immunobiology** 1986 Sep;172(3-5):438-47

Use of parasite antigens and interleukin-2 to enhance suppressed immune responses during Trypanosoma cruzi infection in mice. Choromanski L, et al. **Infect Immun** 1987 Feb;55(2):403-8

In vivo anti-tumor activity of combinations of interferon alpha and interleukin-2 in a murine model. Correlation of efficacy with the induction of cytotoxic cells resembling natural killer cells. Brunda MJ, et al. **Int J Cancer** 1987 Sep 15;40(3):365-71

Combination tumor-immunotherapy with recombinant tumor necrosis factor and recombinant interleukin 2 in mice. Nishimura T, et al. **Int J Cancer** 1987 Aug 15;40(2):255-61

Influence of the administration schedule on the therapeutic effect of interleukin-2. Vaage J, et al. **Int J Cancer** 1987 Apr 15;39(4):530-3

Successful immunotherapy of mouse melanoma and sarcoma with recombinant interleukin-2 and cyclophosphamide. Silagi S, et al. **J Biol Response Mod** 1986 Oct;5(5):411-22

Supplement of exogenous IL2 abrogates induction of tolerance in drug-induced T cell proliferation. Ikezawa Z, et al. **J Dermatol (Tokyo)** 1986 Jun;13(3):185-9

Synergistic effect of recombinant IL 2 and interferon-gamma on the proliferation of human monoclonal lymphocytes. Karray S, et al. **J Immunol** 1987 Jun 1;138(11):3824-8

Eradication of disseminated murine leukemia by treatment with high-dose interleukin 2. Thompson JA, et al. **J Immunol** 1986 Dec 1;137(11):3675-80

Intralymphatic interleukin-2 treatment of a hemophiliac AIDS patient with defective interleukin-2 production. Gramatzki M, et al. **Klin Wochenschr** 1987 Apr 15; 65(8):380-6

Immunotherapy of cancer: the end of the beginning? [editorial] Durant JR. **N Engl J Med** 1987 Apr 9; 316(15):939-41

A progress report on the treatment of 157 patients with advanced cancer using lymphokine-activated killer cells and interleukin-2 or high-dose interleukin-2 alone. Rosenberg SA, et al. **N Engl J Med** 1987 Apr 9; 316(15):889-97

Constant-infusion recombinant interleukin-2 in adoptive immunotherapy of advanced cancer. West WH, et al. **N Engl J Med** 1987 Apr 9;316(15):898-905

Immunological studies on herpetic keratitis: effect of IL-2 on HSV-specific CTL. Hirakawa Y, et al. **Ophthalmologica** 1987;194(1):50-5

[Effect of histamine on immunoglobulin production of human B cells stimulated by Staphylococcus aureus Cowan I and interleukin 2] Ariga T, et al. **Arerugi** 1987 Feb;36(2):101-7 (Eng. Abstr.) **(Jpn)**

[In vitro enhancement of cytotoxicity of human peripheral blood lymphocytes with recombinant interleukin 2 and an interferon mixture (alpha + beta + gamma) against human colon carcinoma cell line SW1116] Kimoto Y. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3419-26 (Eng. Abstr.) **(Jpn)**

[A study of gamma-interferon production induced by interleukin 2 in peripheral blood mononuclear cells of patients with hepatocellular carcinoma] Saibara T. **Nippon Shokakibyo Gakkai Zasshi** 1987 Apr;84(4):947 **(Jpn)**

ADVERSE EFFECTS

Effects of interleukin-2 on renal function in patients receiving immunotherapy for advanced cancer. Belldegrun A, et al. **Ann Intern Med** 1987 Jun;106(6):817-22

The neuropsychiatric effects of treatment with interleukin-2 and lymphokine-activated killer cells. Denicoff KD, et al. **Ann Intern Med** 1987 Sep;107(3):293-300

Severe hypovitaminosis C occurring as the result of adoptive immunotherapy with high-dose interleukin 2 and lymphokine-activated killer cells. Marcus SL, et al. **Cancer Res** 1987 Aug 1;47(15):4208-12

Recombinant interleukin 2 toxicity, pharmacokinetics, and immunomodulatory effects in a phase I trial. Thompson JA, et al. **Cancer Res** 1987 Aug 1;47(15):4202-7

T-cell depletion of allogeneic bone marrow prevents acceleration of graft-versus-host disease induced by exogenous interleukin 2. Malkovský M, et al. **Cell Immunol** 1986 Dec;103(2):476-80

Reduction of toxicity of interleukin-2 and lymphokine-activated killer cells in humans by the administration of corticosteroids. Vetto JT, et al. **J Clin Oncol** 1987 Mar;5(3):496-503

Dermatologic changes associated with interleukin 2 administration. Gaspari AA, et al. **JAMA** 1987 Sep 25; 258(12):1624-9

Cancer M.D.'s clash over interleukin therapy [news] Bloom M. **Science** 1987 Jan 9;235(4785):154-5

ANALOGS & DERIVATIVES

Structure of unfolded and refolded recombinant derived [Ala125]interleukin 2. Arakawa T, et al. **Biochemistry** 1986 Dec 16;25(25):8274-7

Secretion of glycosylated human interleukin-2 by recombinant mammalian cell lines. Conradt HS, et al. **Carbohydr Res** 1986 Jul 1;149(2):443-50

ANALYSIS

Importance of disulfide linkage for constructing the biologically active human interleukin-2. Yamada T, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):194-9

The HTLV-III envelope protein contains a hexapeptide homologous to a region of interleukin-2 that binds to the interleukin-2 receptor. Weigent DA, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):367-74

Interleukin 1 and protein kinase C activator are dissimilar in their effects on Il-2 receptor expression and Il-2 secretion by T lymphocytes. Truneh A, et al. **Cell Immunol** 1986 Dec;103(2):365-74

Relationship between IL-2 and human T cell colony formation. Mossalayi MD, et al. **Clin Exp Immunol** 1986 Dec;66(3):532-8

An improved data analysis method for interleukin 2 microassay. Burger CJ, et al. **Comput Biol Med** 1986; 16(5):377-90

Plasma concentration profiles of human recombinant interleukin-2 (HrIL-2) in the rat following administration by various systemic routes. Colburn WA, et al. **Drug Metab Dispos** 1987 May-Jun;15(3):429-31

Acquisition of cell-mediated immunity to Leishmania. I. Primary T-cell activation detected by IL-2 receptor expression. Kaye PM. **Immunology** 1987 Jul;61(3):345-9

Monkey interleukin 2: optimal conditions for production and partial characterization. Tatsumi M, et al. **Int Arch Allergy Appl Immunol** 1986;81(2):118-25

Lymphocyte responsiveness and interleukin 2 production in type 1 (insulin-dependent) diabetes mellitus. Surcel HM, et al. **J Clin Lab Immunol** 1987 Apr;22(4):163-4

Proposed relation between expression of interleukin-2 and transferrin receptors in B lymphocyte chronic lymphocytic leukaemia [letter] Barnett D, et al. **J Clin Pathol** 1987 Jul; 40(7):814

An enzyme-immunoassay for human interleukin-2. Moriya N, et al. **J Immunoassay** 1987;8(1):131-43

A simple microassay for interleukin-2 activity. Ando I, et al. **J Immunol Methods** 1987 Jan 26;96(1):133-7

The use of an HTLV-I-infected human T-cell line (ATH8) in an interleukin-2 bioassay. Antonen J, et al. **J Immunol Methods** 1987 May 20;99(2):271-5

A rapid one-step multiwell tray test for release of soluble mediators. Caspi RR. **J Immunol Methods** 1986 Oct 23; 93(1):141-4

A new assay for interleukin-1 in the presence of interleukin-2. Falk W, et al. **J Immunol Methods** 1987 May 4;99(1):47-52

Human interleukin 2. Detection at the picomolar level by sandwich enzyme immunoassay. Ferrua B, et al. **J Immunol Methods** 1987 Mar 12;97(2):215-20

A simple sensitive bioassay for interleukin-1 which is unresponsive to 10(3) U/ml of interleukin-2. Gearing AJ, et al. **J Immunol Methods** 1987 May 4;99(1):7-11

A rapid method for detection of cellular proliferation using carboxyfluorescein. Assay of growth factors (IL-2, IL-1) and growth inhibiting antibodies. Hansson Y, et al. **J Immunol Methods** 1987 Jun 26;100(1-2):261-7

Differential bioassay of interleukin 2 and interleukin 4. Ho SN, et al. **J Immunol Methods** 1987 Apr 2;98(1):99-104

Random assignment of treatments in a 96-well (8 X 12) microtiter plate. A practical method. Hooton JW, et al. **J Immunol Methods** 1986 Nov 20;94(1-2):81-9

A human T cell line established from a patient with Sézary syndrome. Application for assay of human interleukin 2 (IL-2). Namiuchi S, et al. **J Immunol Methods** 1986 Nov 20;94(1-2):215-24

An improved colorimetric assay for interleukin 2. Tada H, et al. **J Immunol Methods** 1986 Nov 6;93(2):157-65

Interleukin-1-like activity in rat brain: sources, targets, and effect of injury. Nieto-Sampedro M, et al. **J Neurosci Res** 1987;17(3):214-9

Monoclonal antibodies for purification and assay of IL-2. Redmond S, et al. **Lymphokine Res** 1986;5 Suppl 1:S29-34

Interleukin-2-like activity in injured rat brain. Nieto-Sampedro M, et al. **Neurochem Res** 1987 Aug; 12(8):723-7

High serum levels of soluble interleukin-2 receptors in sarcoidosis. Semenzato G, et al. **Sarcoidosis** 1987 Mar; 4(1):25-7

Immunoregulatory lymphokines in rheumatoid joints. I. Search for interleukin 2 in synovial fluid. Egeland T, et al. **Scand J Immunol** 1987 Jan;25(1):101-6

[Effect of diseases on interleukin 2 production] Wu YY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1987 Apr;9(2):133-4 (Eng. Abstr.) **(Chi)**

[Visualization of IL2 and IL2 receptor in leprous dermal granulomata] Elageul B, et al. **Acta Leprol (Geneve)** 1986 Jul-Sep;(102):343-4 **(Fre)**

[Treatment of non-Hodgkin's lymphoma with CHOP therapy: analysis of lymphocyte subsets and interleukin 2 activity during CHOP therapy] Suzuki Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Jul 20;21(6):1225-31 (Eng. Abstr.) **(Jpn)**

[Comparative characteristics of human interleukin-2 preparations isolated from various sources] Iobadze MS, et al. **Biokhimiia** 1986 Aug;51(8):1341-7 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Inhibitor of interleukin-2 in rheumatoid synovial fluid. Miossec P, et al. **Arthritis Rheum** 1987 Feb;30(2):121-9

Lymphokine-activated killer cell and interleukin-2 inhibitors: their role in adoptive immunotherapy. Eggermont AM, et al. **Cell Immunol** 1987 Jul;107(2):384-94

Deficiency of interleukin 2 inhibitor activity in serum from autoimmune-prone mice. Kobayashi K, et al. **Immunol Invest** 1987 Mar;16(1):45-55

Interleukin inhibition by a parasite proteinase inhibitor, taeniaestatin. Leid RW, et al. **J Immunol** 1986 Oct 15; 137(8):2700-2

BIOSYNTHESIS

Decreased production of interleukin-2 in schizophrenia. Villemain F, et al. **Ann NY Acad Sci** 1987;496:669-75

Production of lymphokines by murine cortisone resistant thymocytes stimulated by concanavalin A. III. Effect of cytotoxic pretreatment with anti-Lyt antibodies on interleukin-2 and interferon producing cells. Pajtasz E, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(4):403-7

Suppression of interleukin 2 production in an animal model of thermal injury is related to prostaglandin synthesis. Wood JJ, et al. **Arch Surg** 1987 Feb;122(2):179-84

Association of reduced interleukin-2 production with genetic susceptibility to Pichinde virus in inbred strains of hamsters. Wright KE, et al. **Arch Virol** 1987;92(3-4):197-209

Inhibition of human lymphocyte proliferation and interleukin 2 production by platelet activating factor (PAF-acether): reversal by a specific antagonist, BN 52021. Rola-Pleszczynski M, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):754-60

Lymphocyte interleukin 2 production and responsiveness are altered in patients with primary myelodysplastic syndrome. Ayanlar-Batuman O, et al. **Blood** 1987 Aug;70(2):494-500

Impaired T- and B-cell functions in patients with Hodgkin's disease. Reduced mitogenic responsibility and Il-2

production is not caused by defective CD4+-cells. Bergmann L, et al. **Cancer Immunol Immunother** 1987; 25(1):59–64

Inhibition of phorbol ester stimulated interleukin 2 production by copper(II) complexes. Harrison JR, et al. **Cancer Res** 1986 Nov;46(11):5571–5

Differential effects of 1,25-dihydroxyvitamin D3 on human lymphocytes and monocyte/macrophages: inhibition of interleukin-2 and augmentation of interleukin-1 production. Bhalla AK, et al. **Cell Immunol** 1986 Apr 1; 98(2):311–22

Interleukin 2 production and responsiveness in individuals with acquired immunodeficiency syndrome and the generalized lymphadenopathy syndrome. Borzy MS. **Cell Immunol** 1987 Jan;104(1):142–53

Histamine inhibits interferon-gamma production via suppression of interleukin 2 synthesis. Dohlsten M, et al. **Cell Immunol** 1986 Sep;101(2):493–501

Bacillary growth, interleukin 2 production defect, and specific antibody secretion governed by different genetical factors in mice infected subcutaneously with Mycobacterium lepraemurium. Hoffenbach A, et al. **Cell Immunol** 1986 Oct 15;102(2):273–86

Elevation of cyclic 3'5' adenosine monophosphate levels by cholera toxin inhibits the generation of interleukin 2 activity. Iwaz J, et al. **Cell Immunol** 1986 Dec;103(2):455–61

Gangliosides suppress the proliferation of autoreactive cells in experimental allergic encephalomyelitis: ganglioside effects on IL-2 activity. Jackson KM, et al. **Cell Immunol** 1987 Jan;104(1):169–81

Independent regulation of B-cell inducing factor and IL-2 production by T lymphocytes, and direct and indirect promotion of immunoglobulin secretion by glucocorticosteroid. Jeong G, et al. **Cell Immunol** 1986 Nov;103(1):199–206

B cells as antigen-presenting cells: antigen-specific IL-2 production by cloned T cells without expression of IL-2 receptors. Kakiuchi T, et al. **Cell Immunol** 1987 Aug; 108(1):150–61

Inhibitors of IL-2 production and IL-2 receptor expression in human leukemic T-cell line, Jurkat. Koizumi T, et al. **Cell Immunol** 1986 Dec;103(2):469–75

Regulation of T-cell activation and T-cell growth factor (TCGF) production by hydrogen peroxide. Roth S, et al. **Cell Immunol** 1987 Sep;108(2):417–24

Deterioration of cellular immunity during aging. The relationship between age-dependent impairment of delayed-type hypersensitivity reactivity, interleukin-2 production capacity, and frequency of Thy-1+,Lyt-2- cells in C57BL/Ka and CBA/Rij mice. Vissinga CS, et al. **Cell Immunol** 1987 Sep;108(2):323–34

Characterization of a T-cell determinant defined by a monoclonal antibody (TH5.2) which is involved in the interleukin-2-producing and proliferative capabilities of T cells. Yoshihara PH, et al. **Cell Immunol** 1987 Aug; 108(1):10–27

In vitro effects of Bacillus subtilis on the immune response. Ciprandi G, et al. **Chemioterapia** 1986 Dec;5(6):404–7

Elevated serum interleukin-2 receptor; increased in vitro immunoglobulin synthesis and lack of response to testosterone-enhanced in vitro interleukin-2 production in ankylosing spondylitis. Liu HC, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1987 Feb;20(1):1–8

Effect of the anti-thyroid drug methimazole on interleukin-1 and interleukin-2 levels in vitro. Weetman AP. **Clin Endocrinol (Oxf)** 1986 Aug;25(2):133–42

Interleukin 2 production in HTLV-III/LAV infection: evidence of defective antigen-induced, but normal mitogen-induced IL-2 production. Antonen J, et al. **Clin Exp Immunol** 1986 Sep;65(3):489–96

Immunohistological evidence of lymphokine production and lymphocyte activation antigens in tuberculin reactions. Fullmer MA, et al. **Clin Exp Immunol** 1987 Feb; 67(2):383–90

Interleukin 2 defect in the peripheral blood and the lung in patients with Sjögren's syndrome. Miyasaka N, et al. **Clin Exp Immunol** 1986 Sep;65(3):497–505

Independence of depressed lectin-dependent cell-mediated cytotoxicity from interleukin 2 production in patients with systemic lupus erythematosus. Perl A, et al. **Clin Exp Immunol** 1986 Aug;65(2):286–92

Regulation of immune interferon production during the response to soluble microbial antigens. Piccolella E, et al. **Clin Exp Immunol** 1986 Jul;65(1):190–7

In vivo immunopotentiating activity of thymopentin in aging humans: increase of IL-2 production. Meroni PL, et al. **Clin Immunol Immunopathol** 1987 Feb;42(2):151–9

Defective IL2 production in active rheumatoid arthritis. Regulation by radiosensitive suppressor cells. Cathely G, et al. **Clin Rheumatol** 1986 Dec;5(4):482–92

A comparative analysis of cord blood and adult lymphocytes: interleukin-2 and interferon production, natural killer cell activity, and lymphocyte populations. Kibler R, et al. **Diagn Immunol** 1986;4(4):201–8

T cells in patients undergoing chronic hemodialysis: mitogenic response, suppressor activity, and interleukin-2 production and receptor generation. Raskova J, et al. **Diagn Immunol** 1986;4(4):209–16

Interleukin 2 pathway is autonomously activated in human T11+3-4-6-8- thymocytes. De la Hera A, et al. **Eur J Immunol** 1987 May;17(5):683–7

Identification of interleukin 2-producing T helper cells within murine Lyt-2+ T lymphocytes: frequency, specificity and clonal segregation from Lyt-2+ precursors of cytotoxic T lymphocytes. Heeg K, et al. **Eur J Immunol** 1987 Feb;17(2):229–36

The role of L3T4+ cells in the pathogenesis of lupus in lpr-bearing mice. I. Defects in the production of interleukins 2 and 3. Santoro TJ, et al. **Eur J Immunol** 1987 Aug;17(8):1131–6

Supplemental zinc (Zn2+) restores antibody formation in cultures of aged spleen cells. II. Effects on mediator production. Winchurch RA, et al. **Eur J Immunol** 1987 Jan;17(1):127–32

Immune functions of former poison gas workers. II. Lymphocyte subsets and interleukin 2 production. Yamakido M, et al. **Hiroshima J Med Sci** 1986 Jun; 35(2):127–34

Production of interleukin 2 by human lymph nodes. Akiyoshi T, et al. **Immunobiology** 1987 May;174(3):360–4

Concanavalin A responsiveness and interleukin 2 production in the snake Spalerosophis diadema. el Ridi R, et al. **Immunobiology** 1987 Mar;174(2):177–89

Regulation of IL 2 expression in mitogen-activated murine T lymphocytes. Swoboda R, et al. **Immunobiology** 1987 May;174(3):300–12

Effect of immuno-modulating agents on murine IL-2 production. Weng XC, et al. **Immunol Invest** 1987 Apr; 16(2):79–86

Inhibition of IL-2 secretion and IL-2 receptor appearance of activated lymphocytes pretreated with hydroxylated sterols. Richert L, et al. **Immunol Lett** 1986 Nov 3; 13(6):329–34

Increased interleukin-2 receptor expression after mitogen stimulation on CD4- and CD8-positive lymphocytes and decreased interleukin-2 production in HTLV-III antibody-positive symptomatic individuals. Creemers PC, et al. **Immunology** 1986 Dec;59(4):627–9

Synergistic induction by calcium ionophore and phorbol ester of interleukin-2 (IL-2) receptor expression, IL-2 production, and proliferation in autoimmune MRL/MP-lpr mice. Koizumi T, et al. **Immunology** 1986 Sep;59(1):43–9

A monoclonal antibody inhibiting leucocyte adhesion blocks induction of IL-2 production but not IL-2 receptor expression. Lindqvist C, et al. **Immunology** 1987 Apr; 60(4):579–84

The effect of alpha-difluoromethylornithine, an inhibitor of polyamine biosynthesis, on mitogen-induced interleukin 2 production. Bowlin TL, et al. **Immunopharmacology** 1987 Apr;13(2):143–7

Suppression of interleukin-2 production by macrophages in genetically susceptible mice infected with Leishmania major. Cillari E, et al. **Infect Immun** 1986 Nov;54(2):386–94

Anti-L3T4 antibody treatment suppresses hepatic granuloma formation and abrogates antigen-induced interleukin-2 production in Schistosoma mansoni infection. Mathew RC, et al. **Infect Immun** 1986 Dec;54(3):820–6

Acquired immune deficiency syndrome in childhood: impaired production of interleukin-2 by HIV (LAV/HTLV III) infected patients. Maccario R, et al. **Infection** 1987 Mar-Apr;15(2):99–104

In vivo effect of isoprinosine on interleukin-2 production, lymphocyte mitogenesis and NK activity in normal and cyclophosphamide immunosuppressed mice. Barasoain I, et al. **Int J Immunopharmacol** 1986;8(5):509–15

Effect of antimalarial drugs on stimulation and interleukin 2 production of human lymphocytes. Bygbjerg IC, et al. **Int J Immunopharmacol** 1987;9(4):513–9

Kinetic analysis of the immunopotentiating effect of the hypoxanthine analogue, NPT-15392, on the interleukin-2 production potential of human lymphocytes. Donnelly RP, et al. **Int J Immunopharmacol** 1986;8(6):621–7

Effect of in vivo administration of the carcinogen benzo(a)pyrene on interleukin-2 and interleukin-3 production. Lyte M, et al. **Int J Immunopharmacol** 1987; 9(3):307–12

The combined effect of prostaglandin E2 and interleukin 1 on interleukin 2 production and lymphocyte proliferation. Maca RD. **Int J Immunopharmacol** 1987;9(5):611–8

Increased interleukin-1 and modulation of interleukin-2 production by murine macrophages and lymphocytes treated with LF 1695. Pascal M, et al. **Int J Immunopharmacol** 1986;8(5):499–508

Enhancement of lymphocyte proliferation, interleukin-2 production and NK activity by inmunoferon (AM-3), a fungal immunomodulator: variations in normal and immunosuppressed mice. Rojo JM, et al. **Int J Immunopharmacol** 1986;8(6):593–7

Enhancement of interleukin-1 and interleukin-2 production by soluble glucan. Sherwood ER, et al. **Int J Immunopharmacol** 1987;9(3):261–7

New approaches for the high-level expression of human interleukin-2 cDNA in Escherichia coli. Sato T, et al. **J Biochem (Tokyo)** 1987 Feb;101(2):525–34

Thymosin-alpha 1 increases the capability to produce interleukin-3 but not interleukin-2 in nu/nu mice. Ohta Y, et al. **J Biol Response Mod** 1987 Apr;6(2):181–93

Patients with condyloma acuminatum exhibit decreased interleukin-2 and interferon gamma production and depressed natural killer activity. Cauda R, et al. **J Clin Immunol** 1987 Jul;7(4):304–11

Natural killer-cell activity, interferon-alpha 2 production, and interleukin-2 production in cyclosporine-treated and conventionally immunosuppressed human allograft recipients. Guillou PJ, et al. **J Clin Immunol** 1986 Sep; 6(5):373–80

Peripheral blood mononuclear-cell interleukin-2 production, receptor generation and lymphokine-activated cytotoxicity in inflammatory bowel disease. Ming RH, et al. **J Clin Immunol** 1987 Jan;7(1):59–63

Regulation of lymphokine production and human T lymphocyte activation by 1,25-dihydroxyvitamin D3. Specific inhibition at the level of messenger RNA. Rigby WF, et al. **J Clin Invest** 1987 Jun;79(6):1659–64

Interleukin 1 and interleukin 2 production in the acquired immune deficiency syndrome (AIDS) and AIDS-related complex. Gupta S, et al. **J Clin Lab Immunol** 1987 Mar; 22(3):113–6

Immune response to murine neuroblastoma: effects of in vitro culture of the tumor. Mitogen and mixed lymphocyte culture responses, interleukin-2 production, suppression and natural killer activity. Leclercq G, et al. **J Clin Lab Immunol** 1986 Nov;21(3):117–23

The effects of macrophages on interleukin 2 production in thymocytes of New Zealand black mice. Minoda M, et al. **J Clin Lab Immunol** 1987 Jan;22(1):29–34

Antigen-mediated interleukin production by mononuclear cells from delayed hypersensitive mice. Kobayashi K, et al. **J Exp Pathol** 1985 Fall;2(3):191–209

Heterogeneity in response to interleukin 2 and interleukin 2-producing ability of adult T cell leukemic cells. Arima N, et al. **J Immunol** 1987 May 1;138(9):3069–74

Proliferation in vitro and interleukin production by 14 day fetal and adult Lyt-2-/L3T4- mouse thymocytes. Ceredig R. **J Immunol** 1986 Oct 1;137(7):2260–7

Spontaneous production of a suppressor factor by a human macrophage-like cell line U937. II. Suppression of antigen- and mitogen-induced blastogenesis, IL 2 production and IL 2 receptor expression in T lymphocytes. Fujiwara H, et al. **J Immunol** 1987 Jan 1;138(1):197–203

Thy-1-negative and Ly-1-negative variants of T cells produce interleukin 2 in response to mitogens. Hollander N. **J Immunol** 1987 Jul 15;139(2):437–42

Interleukin 2 responses of lpr and normal L3T4-/Lyt-2- T cells induced by TPA plus A23187. Katagiri K, et al. **J Immunol** 1987 Jan 1;138(1):149–56

Androgen receptors in human thymocytes. Kovacs WJ, et al. **J Immunol** 1987 Jul 15;139(2):490–3

Regulation of interleukin 2 synthesis by cAMP in human T cells. Mary D, et al. **J Immunol** 1987 Aug 15; 139(4):1179–84

Experimental visceral leishmaniasis: production of interleukin 2 and interferon-gamma, tissue immune reaction, and response to treatment with interleukin 2 and interferon-gamma. Murray HW, et al. **J Immunol** 1987 Apr 1;138(7):2290–7

Population kinetics of precursors of IL 2-producing peripheral T lymphocytes: evidence for short life expectancy, continuous renewal, and post-thymic expansion. Rocha BB. **J Immunol** 1987 Jul 15;139(2):365–72

2'Deoxycoformycin and deoxyadenosine affect IL 2 production and IL 2 receptor expression of human T cells. Ruers TJ, et al. **J Immunol** 1987 Jan 1;138(1):116–22

Immunosuppression in viral oncogenesis. III. Effects of virus infection on interleukin 1 and interleukin 2 generation and responsiveness. Strayer DS, et al. **J Immunol** 1986 Dec 1;137(11):3632–8

Increased yields of IL-2 in media conditioned by MLA 144 cells. Aspinall R, et al. **J Immunol Methods** 1987 Jul 16; 101(1):79–84

More exact quantification of interleukin-2 production by addition of anti-Tac monoclonal antibody to cultures of stimulated lymphocytes. Baroja ML, et al. **J Immunol Methods** 1987 Apr 16;98(2):267–70

Effects of human immunodeficiency virus on the cellular immune response to Epstein-Barr virus in homosexual men: characterization of the cytotoxic response and lymphokine production. Blumberg RS, et al. **J Infect Dis** 1987 May; 155(5):877–90

Defective production of antibody to herpes simplex virus in neonates: defective production of T helper lymphokine and induction of suppression. Kohl S, et al. **J Infect Dis** 1987 Jun;155(6):1179–87

Effects of interferons-alpha, -beta, and -gamma on human interleukin-2 production. Rosztóczy I, et al. **J Interferon Res** 1986 Oct;6(5):581–9

Epidermal cell-derived lymphocyte differentiating factor (ELDIF) inhibits in vitro lymphoproliferative responses and interleukin 2 production. Nicolas JF, et al. **J Invest Dermatol** 1987 Feb;88(2):161–6

Alteration of lymphocyte functions by 8-methoxypsoralen and long-wave ultraviolet radiation. II. The effect of in vivo PUVA on IL-2 production. Okamoto H, et al. **J Invest Dermatol** 1987 Jul;89(1):24–6

1,25-dihydroxyvitamin D3 stimulates interleukin-2 production by a T cell lymphoma line (MLA-144) cultured in vitamin D-deficient rat serum. Haverty T, et al. **J Leukocyte Biol** 1987 Feb;41(2):177–82

Regulation of interleukin-2 production in rheumatoid arthritis. Combe B, et al. **J Rheumatol** 1987 Apr;14(2):226–9

Interleukin 1 and interleukin 2 generation by peripheral blood cells from patients with ankylosing spondylitis. Keystone EC, et al. **J Rheumatol** 1986 Oct;13(5):944–7

Prostaglandin E2 (PGE2)-dependent suppression of

interleukin alpha (IL-2) production in patients with major trauma. Faist E, et al. **J Trauma** 1987 Aug;27(8):837-48

Blood-membrane interaction in hemodialysis leads to increased cytokine production. Luger A, et al. **Kidney Int** 1987 Jul;32(1):84-8

Lepromin stimulates interleukin-2 production and interleukin-2 receptor expression in situ in lepromatous leprosy patients. Longley BJ, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:189-98

Peripheral blood adherent cells from AIDS patients inhibit normal T-colony growth through decreased expression of interleukin 2-receptors and production of interleukin 2. Lunardi-Iskandar Y, et al. **Leuk Res** 1987;11(8):753-60

Relation of supernatant IL-2 to steady state levels of IL-2 mRNA. Gauchat JF, et al. **Lymphokine Res** 1986;5 Suppl 1:S43-7

Analysis of IL-2 producing subsets of human lymphocytes. Maino VC, et al. **Lymphokine Res** 1986;5 Suppl 1:S61-6

Induction of lymphokine synthesis in peripheral blood mononuclear cells with phorbol ester and calcium ionophore allows precise measurement of individual variations in capacity to produce IL 2. Monner DA, et al. **Lymphokine Res** 1986;5 Suppl 1:S67-73

Defective IL-2 production in patients with severe burns and sepsis. Rodrick ML, et al. **Lymphokine Res** 1986;5 Suppl 1:S75-80

The same cloned murine B lymphoma cell lines can be selectively induced to release either interleukin-1- or interleukin-2-like factor activity. Walker EB, et al. **Lymphokine Res** 1987 Spring;6(2):71-81

Age-associated changes in proliferative and differentiative response of human B cells and production of T cell-derived factors regulating B cell functions. Hara H, et al. **Mech Ageing Dev** 1987 May;38(3):245-58

Mechanisms of age-related decline in antigen-specific T cell proliferative response: IL-2 receptor expression and recombinant IL-2 induced proliferative response of purified Tac-positive T cells. Negoro S, et al. **Mech Ageing Dev** 1986 Nov 14;36(3):223-41

Interleukin-2 production during murine infection by Leishmania mexicana amazonensis. Barral-Netto M, et al. **Mem Inst Oswaldo Cruz** 1986 Jan-Mar;81(1):43-7

Interleukin-2 production and type I diabetes [letter] Dancygier H, et al. **N Engl J Med** 1987 Apr 9; 316(15):949-50

Acquired defect in interleukin-2 production in patients with type I diabetes mellitus. Kaye WA, et al. **N Engl J Med** 1986 Oct 9;315(15):920-4

The decline in the production of interleukin 2 in cats spontaneously infected with feline leukemia virus. Goitsuka R, et al. **Nippon Juigaku Zasshi** 1987 Feb;49(1):7-14

Differential regulation of colony-stimulating factors and interleukin 2 production by cyclosporin A. Bickel M, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3274-7

Molecular events in the induction of a nonresponsive state in interleukin 2-producing helper T-lymphocyte clones. Jenkins MK, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(15):5409-13

A soluble 61-kDa protein is associated with inhibition of lectin-induced proliferation and IL-2 synthesis. Davila DR, et al. **Proc Soc Exp Biol Med** 1987 Oct;186(1):1-12

Interleukin-2 induction, response and therapy on murine lupus lesions in the MRL/1 strain. Abe C, et al. **Prog Clin Biol Res** 1987;229:147-56

Stimulation of interleukin 2 and interferon gamma production by leukotriene B4 in human lymphocyte cultures. Rola-Pleszczynski M, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2-3):207-10

Kinetic analysis of interleukin 2 (IL-2) production and expression of IL-2 receptors by uraemic and normal lymphocytes. Langhoff E, et al. **Scand J Immunol** 1987 Jan;25(1):29-36

Blood mononuclear cells in patients with primary Sjögren's syndrome: production of interleukins, enumeration of interleukin-2 receptors, and DNA synthesis. Enk C, et al. **Scand J Rheumatol [Suppl]** 1986;61:131-4

Histamine type-2 receptor antagonist immune modulation. II. Cimetidine and ranitidine increase interleukin-2 production. Gifford RR, et al. **Surgery** 1987 Aug; 102(2):242-7

Lymphocyte subpopulations in the neonate: in vitro proliferation, IL-1 and IL-2 production by a subset of HNK-1-, OKT3-, OKT8+ lymphocytes displaying NK activity. Maccario R, et al. **Thymus** 1986;8(4):225-34

Effects of cyclosporine metabolites M17 and M18 on proliferation and interleukin 2 production in the mixed lymphocyte culture. Freed BM, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1223-6

Decreased interleukin 2 production and increased LEU 2a-positive suppressor cells in renal transplant patients on triple therapy with mizoribine, cyclosporine A, and prednisolone. Okubo M, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 3):1940-3

Influence of in vivo cyclosporine on interleukin production in kidney transplant recipients. Yoshimura N, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1194-8

The role of interleukin-2 in proliferative responses in vitro of T cells from patients after bone marrow transplantation. Evidence that minor defects can lead to in vitro unresponsiveness. Roosnek EE, et al. **Transplantation** 1987 Jun;43(6):855-60

Diminished production of interleukin 2 and gamma-interferon by cloned "T" cells from patients with the acquired immunodeficiency syndrome (AIDS). Maggi E, et al. **Tumori** 1987 Jun 30;73(3):273-8

Peripheral blood lymphocyte response to exogenous interleukin 2 by PHA-prestimulated and non-PHA-prestimulated cells in patients with cancer. Mantovani G, et al. **Tumori** 1986 Aug 31;72(4):375-82

Immunosuppression by canine distemper virus: modulation of in vitro immunoglobulin synthesis, interleukin release and prostaglandin E2 production. Krakowka S, et al. **Vet Immunol Immunopathol** 1987 Jun;15(3):181-201

Detection of impaired T cell-mediated immune responses to herpesvirus (BHV-1) in cattle. Miller-Edge M, et al. **Vet Immunol Immunopathol** 1986 Sep;13(1-2):1-18

[Abnormal function of peripheral lymphocytes in producing interleukin 2 and immune interferon in patients with hepatitis B] Liu SL. **Chung Hua I Hsueh Tsa Chih** 1986 Jul;66(7):413-6 **(Chi)**

[Interleukin 2 production in S-antigen immunized rats and effects of cyclosporine] Fujino Y, et al. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1646-52 (Eng. Abstr.) **(Jpn)**

[A study of the synergy of microwave coagulation and streptococcal preparation (OK-432) in experimental tumors in relation to interleukin 2 producing activity] Yamaue H, et al. **Nippon Geka Hokan** 1986 Sep 1;55(5):689-99 (Eng. Abstr.) **(Jpn)**

[Augmented production of interleukin 2 in a child with acute myelomonocytic leukemia having interleukin-1-producing leukemia cells: Its transient occurrence during an early stage of the hematological relapse] Hirabayashi S, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 May;49(3):670-5 (Eng. Abstr.) **(Jpn)**

[Studies on an experimentally-induced acute hepatic failure in mice: low productivity of interleukin 1 and 2] Tsutsui H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 May; 84(5):1090-6 (Eng. Abstr.) **(Jpn)**

[Abnormality of suppressor T cells in ulcerative colitis and relation to interleukin 2 (IL2)] Yoshida T. **Nippon Shokakibyo Gakkai Zasshi** 1986 Dec;83(12):2520-8 (Eng. Abstr.) **(Jpn)**

BLOOD

Production of and response to interleukin 2 by blood mononuclear cells from some type 1 diabetic patients. Lang F, et al. **Diabete Metab** 1987 Feb;13(1):37-43

DIAGNOSTIC USE

Detection of activated lymphocytes in endocrine pancreas of BB/W rats by injection of 123I-interleukin-2: an early sign of type 1 diabetes. Signore A, et al. **Lancet** 1987 Sep 5;2(8558):537-40

GENETICS

The induction of IFN-gamma production and m-RNAs of interleukin 2 and IFN-gamma by phorbol esters and a calcium ionophore. Croll AD, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):927-33

Evidence for aberrant activation of the interleukin-2 autocrine loop by HTLV-1-encoded p40x and T3/Ti complex triggering. Maruyama M, et al. **Cell** 1987 Jan 30; 48(2):343-50

The establishment of IL-2 producing cells by genetic engineering. Sasada R, et al. **Cell Struct Funct** 1987 Apr; 12(2):205-17

Interleukin-2 and its receptor: structure and functional expression of the genes. Taniguchi T, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:577-86

Inducibility of interleukin-2 RNA expression in individual mature and immature T lymphocytes. McGuire KL, et al. **EMBO J** 1987 Apr;6(4):939-46

Human interleukin 2: molecular biology, physiology and clinical possibilities. Mertelsmann R, et al. **Immunobiology** 1986 Sep;172(3-5):400-19 (101 ref.)

A broad-host-range expression vector based on the pL promoter of coliphage lambda: regulated synthesis of human interleukin 2 in Erwinia and Serratia species. Leemans R, et al. **J Bacteriol** 1987 May;169(5):1899-904

Induction and regulation of human interleukin 2 gene expression: significance of protein kinase C activation. Yamamoto Y, et al. **J Biochem (Tokyo)** 1986 Aug; 100(2):333-40

Phorbol esters induce interleukin 2 mRNA in sensitive but not in resistant EL4 cells. Harrison JR, et al. **J Biol Chem** 1987 Jan 5;262(1):234-8

Structure-function analysis of human interleukin-2. Identification of amino acid residues required for biological activity. Ju G, et al. **J Biol Chem** 1987 Apr 25; 262(12):5723-31

Retroviral activation of interleukin 2 gene in a gibbon ape T cell lymphoma line. Durand DB, et al. **J Exp Med** 1986 Nov 1;164(5):1723-34

A 275 basepair fragment at the 5' end of the interleukin 2 gene enhances expression from a heterologous promoter in response to signals from the T cell antigen receptor. Durand DB, et al. **J Exp Med** 1987 Feb 1;165(2):395-407

Compartmentalized activation of the interleukin 2 gene by lung T lymphocytes in active pulmonary sarcoidosis. Müller-Quernheim J, et al. **J Immunol** 1986 Dec 1; 137(11):3475-83

Ligand-receptor interactions required for commitment to the activation of the interleukin 2 gene. Weiss A, et al. **J Immunol** 1987 Apr 1;138(7):2169-76

Interleukin 2, T cell receptor and sex hormone studies in autoimmune mice. Talal N, et al. **J Rheumatol** 1987 Jun; 14 Suppl 13:21-5

Abelson virus transformation of an interleukin 2-dependent antigen-specific T-cell line. Cook WD, et al. **Mol Cell Biol** 1987 Jul;7(7):2631-5

Promoter region of interleukin-2 gene undergoes chromatin structure changes and confers inducibility on chloramphenicol acetyltransferase gene during activation of T cells. Siebenlist U, et al. **Mol Cell Biol** 1986 Sep; 6(9):3042-9

Posttranscriptional gene regulation and specific binding of the nonhistone protein HMG-I by the 3' untranslated region of bovine interleukin 2 cDNA. Reeves R, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6531-5

Activation of interleukin 2 and interleukin 2 receptor (Tac) promoter expression by the trans-activator (tat) gene product of human T-cell leukemia virus, type I. Siekevitz M, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5389-93

The inhibition of interleukin 2 (IL-2) gene expression at the level of messenger RNA by in vivo cyclosporine treatment in kidney transplant recipients. Yoshimura N, et al. **Transplant Proc** 1987 Aug;19(4):3510-2

Transcriptional activity of the gibbon ape leukemia virus in the interleukin 2 gene of MLA 144 cells. Holbrook NJ, et al. **Virology** 1987 Jul;159(1):178-82

IMMUNOLOGY

The interleukin-2 receptor on normal and malignant lymphocytes. Waldmann TA. **Adv Exp Med Biol** 1987; 213:129-37

Interleukin-2 and killer T cells. Sticklin LA. **Am J Nurs** 1987 Apr;87(4):468-9

IL-2 receptor expression in human lymphoid lesions. Immunohistochemical study of 166 cases. Strauchen JA, et al. **Am J Pathol** 1987 Mar;126(3):506-12

Trophoblast does not cause the cytotoxic T lymphocyte generation due to the lack of ability to stimulate interleukin-2 production. Blank M, et al. **Am J Reprod Immunol Microbiol** 1987 Jun;14(2):49-53

Augmentation of spontaneous cytotoxicity of human lymphocytes by RU 41.740 is due to monocyte-derived factors distinct from interleukin 2, interferon alpha and gamma. Viland H, et al. **Anticancer Res** 1987 Jan-Feb; 7(1):23-8

New strategy for immunomodulation by ex vivo removal of an interleukin-2 inhibitor. Matsuoka J, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):71-5

Interleukin 2 induces proliferation of normal "resting" human T cells in the absence of other known external stimulation. Lakhanpal S, et al. **Cell Immunol** 1987 Apr 15;106(1):62-75

Natural killer (NK)-resistant human lung cancer cells are lysed by recombinant interleukin-2-activated NK cells. Robinson BW, et al. **Cell Immunol** 1987 May;106(2):215-22

Effects of interferons and interleukin 2 on natural killing of cytomegalovirus-infected fibroblasts. Bandyopadhyay S, et al. **Clin Exp Immunol** 1987 Feb;67(2):372-82

Natural cytotoxic activity in multiple sclerosis patients: defects in IL-2/interferon gamma-regulatory circuit. Braakman E, et al. **Clin Exp Immunol** 1986 Nov; 66(2):285-94

Inhibition of lymphocyte motility by interleukin 2. Hoon DS, et al. **Clin Exp Immunol** 1986 Dec;66(3):566-73

Interleukin 2 enhances natural killing of varicella-zoster virus-infected targets. Ito M, et al. **Clin Exp Immunol** 1986 Jul;65(1):182-9

Characterization of synovial T lymphocytes in rheumatoid arthritis. I. Production of IL-2 dependent T cell clones from synovial fluid and peripheral blood. Ofosu-Appiah WA, et al. **Clin Exp Immunol** 1986 Jun;64(3):555-62

Transfer of spleen cells expanded by T cell growth factor suppresses arthritis induced in rats. Ogawa H, et al. **Clin Exp Immunol** 1987 Jan;67(1):176-81

Abnormalities of interleukin 2 receptor expression associated with decreased antigen-induced lymphocyte proliferation in patients with AIDS and related disorders. Prince HE, et al. **Clin Exp Immunol** 1987 Jan;67(1):59-65

IL-2 normalizes defective suppressor T cell function of patients with systemic lupus erythematosus in vitro. Volk HD, et al. **Clin Exp Immunol** 1986 Dec;66(3):525-31

Interleukin-2 corrects defective NK activity of patients with leukemia. Lotzová E, et al. **Comp Immunol Microbiol Infect Dis** 1986;9(2-3):169-75

Prolongation of rat pancreatic islet allograft survival by treatment of recipient rats with monoclonal anti-interleukin-2 receptor antibody and cyclosporin. Hahn HJ, et al. **Diabetologia** 1987 Jan;30(1):44-6

Deficient tumor-specific immunity in old mice: in vivo mediation by suppressor cells, and correction of the defect by interleukin 2 supplementation in vitro but not in vivo. Bruley-Rosset M, et al. **Eur J Immunol** 1987 Mar; 17(3):307-12

Immunotherapy for cancer: the use of lymphokine activated killer (LAK) cells. Fagan EA, et al. **Gut** 1987 Feb; 28(2):113-6 (27 ref.)

Lysis of primary hepatic tumours by lymphokine activated killer cells. Hsieh KH, et al. **Gut** 1987 Feb;28(2):117-24

Functional and molecular characterization of a monoclonal antibody against human interleukin 2. Brandt E, et al. **Immunobiology** 1986 Aug;172(1-2):33-53

Human T lymphocyte colonies require IL2 and are inhibited by anti-Tac. Woods GM, et al. **Immunol Cell Biol** 1987 Feb;65 (Pt 1):97–101

Natural cytotoxic (NC) activity: a multi-lineage system regulated by IL-2. Lattime EC, et al. **Immunol Res** 1986; 5(1):5–15

Characteristics of murine non-specific killer cells induced in vivo by recombinant human interleukin-2. Hinuma S, et al. **Immunology** 1986 Oct;59(2):251–9

Autologous lymphoid cells exposed to recombinant interleukin-2 in vitro in the absence of antigen can induce the rejection of long-term tolerated skin allografts. Loveland B, et al. **Immunology** 1986 Sep;59(1):159–61

Generation of lymphokine-activated killer cells does not require DNA synthesis. Malkovský M, et al. **Immunology** 1987 Mar;60(3):471–3

Human T lymphocytes stimulated by phytohaemagglutinin undergo a single round of cell division without a requirement for interleukin-2 or accessory cells. Mire-Sluis AR, et al. **Immunology** 1987 Jan;60(1):7–12

The roles of interleukins in the synergistic effect of B-cell mitogens with concanavalin A on hydrocortisone-resistant thymic cell proliferation. Nitta T, et al. **Immunology** 1986 Oct;59(2):209–16

Immunoglobulin production of human lymphocytes stimulated by Staphylococcus aureus Cowan I and pokeweed mitogen: differential effects of recombinant interleukin-2. Pryjma J, et al. **Immunology** 1986 Dec; 59(4):485–9

Signals provided in vivo by human rIL-2 and Con A can switch hapten-specific tolerance from unresponsiveness to responsiveness in the South African clawed toad. Ruben LN, et al. **Immunology** 1987 Jun;61(2):235–41

Augmentation of lymphokine-activated killer cell activity in vitro by aloctin A. Imanishi K, et al. **Int J Immunopharmacol** 1986;8(8):855–8

Assessment of the immune deficit in leprosy patients and the effect of recombinant IL-2 in vitro. Locniskar M, et al. **Int J Lepr Other Mycobact Dis** 1987 Jun;55(2):249–60

Effect of interleukin-1 (IL-1) and IL-2 on lymphocytes from patients with leprosy. Rada EM, et al. **Int J Lepr Other Mycobact Dis** 1987 Jun;55(2):351–3

T-cell growth factor receptor (Tac-antigen) expression in cutaneous lymphoid infiltrates. Ralfkiaer E, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):628–37

Proliferating cell nuclear antigen/cyclin is an interleukin 2-responsive gene. Moore KS, et al. **J Biol Chem** 1987 Jun 25;262(18):8447–50

Interleukin-2 effects on human B cells activated in vivo. Miyawaki T, et al. **J Clin Immunol** 1987 Jul;7(4):277–87

Characterization of cells from invaded lymph nodes in patients with solid tumors. Lymphokine requirement for tumor-specific lymphoproliferative response. Cozzolino F, et al. **J Exp Med** 1987 Aug 1;166(2):303–18

Proliferation of T lymphocytes in response to interleukin 2 varies with their state of activation. Ashwell JD, et al. **J Immunol** 1986 Oct 15;137(8):2572–8

Cytolytic activity of human peripheral blood leukocytes against Legionella pneumophila-infected monocytes: characterization of the effector cell and augmentation by interleukin 2. Blanchard DK, et al. **J Immunol** 1987 Jul 15;139(2):551–6

Physiology of IgD. VIII. Age-related decline in the capacity to generate T cells with receptors for IgD and partial reversal of the defect with IL 2. Coico RF, et al. **J Immunol** 1987 May 1;138(9):2776–81

Physiology of IgD. VII. Induction of receptors for IgD on cloned T cells by IgD and interleukin 2. Coico RF, et al. **J Immunol** 1987 Jan 1;138(1):4–6

Interleukin 2 receptors are expressed by alveolar macrophages during pulmonary sarcoidosis and are inducible by lymphokine treatment of normal human lung macrophages, blood monocytes, and monocyte cell lines. Hancock WW, et al. **J Immunol** 1987 Jan 1;138(1):185–91

Autoimmune effector cells. IX. Inhibition of adoptive transfer of autoimmune encephalomyelitis with a monoclonal antibody specific for interleukin 2 receptors. Hayosh NS, et al. **J Immunol** 1987 Jun 1;138(11):3771–5

Cytolytic and biochemical properties of cytoplasmic granules of murine lymphokine-activated killer cells. Henkart PA, et al. **J Immunol** 1986 Oct 15;137(8):2611–7

Natural suppressor activity in graft-vs-host spleen and normal bone marrow is augmented by IL 2 and interferon-gamma. Holda JH, et al. **J Immunol** 1986 Dec 1;137(11):3538–43

Functional status of interleukin 2 receptors expressed by immature (Lyt-2-/L3T4-) thymocytes. Lowenthal JW, et al. **J Immunol** 1986 Oct 15;137(8):2579–84

Differential expression of lymphokine-activated killer cells and natural killer cells in adoptive transfer experiments utilizing fractionated bone marrow. Merluzzi VJ, et al. **J Immunol** 1986 Oct 15;137(8):2425–7

Species-specificity of T cell stimulating activities of IL 2 and BSF-1 (IL 4): comparison of normal and recombinant, mouse and human IL 2 and BSF-1 (IL 4). Mosmann TR, et al. **J Immunol** 1987 Mar 15;138(6):1813–6

Demonstration that human B cells respond differently to interleukin 2 and B cell differentiation factor based on their stages of maturation. Nakagawa T, et al. **J Immunol** 1986 Nov 15;137(10):3175–82

Antigen-specific and -nonspecific mitogenic signals in the activation of human T cell clones. Nisbet-Brown ER, et al. **J Immunol** 1987 Jun 1;138(11):3713–9

Soluble interleukin 2 receptors are released by long term-cultured insulin-specific T cells transiently after contact with antigen. Reske-Kunz AB, et al. **J Immunol** 1987 Jan 1;138(1):192–6

Antibody-dependent cellular cytotoxicity mediated by murine lymphocytes activated in recombinant interleukin 2. Shiloni E, et al. **J Immunol** 1987 Mar 15;138(6):1992–8

Neutralizing monoclonal antibodies against recombinant human interleukin-2. Ide M, et al. **J Immunol Methods** 1987 Jul 16;101(1):57–62

Protective effect(s) of rIL-2 modulation. I. The effects of chemotherapeutic/cytotoxic agents on human natural killer cells and lymphokine-activated killer cells. Ades EW, et al. **J Immunopharmacol** 1986;8(4):481–97

Lysis of autologous tumor cells by peripheral blood lymphocytes treated with interleukin 2 in patients with renal cell carcinoma. Nakano E, et al. **J Urol** 1987 Apr; 137(4):641–8

Lymphokine-activated killer activity of tumor-associated and peripheral blood lymphocytes isolated from patients with ascites ovarian tumors. Allavena P, et al. **JNCI** 1986 Oct;77(4):863–8

Interleukin 2 induced cytotoxicity on renal cell carcinoma. 2. Synergistic effects of interleukin 2 and interferon gamma. Ueno M. **Keio J Med** 1986 Jun;35(2):90–100

Interleukin 2 induced cytotoxicity on renal cell carcinoma. 1. In vitro enhancement of natural killer cell activity. Ueno M. **Keio J Med** 1986 Jun;35(2):80–9

Inhibition of activation of lymphokine-activated killer cells in vitro by the heparin preservative benzyl alcohol [letter] Marincola FM, et al. **Lancet** 1987 Aug 15;2(8555):399

Prevention of rejection of kidney transplants by monoclonal antibody directed against interleukin 2. Soulillou JP, et al. **Lancet** 1987 Jun 13;1(8546):1339–42

Binding characteristics of a monoclonal antibody against human IL-2 and its application for IL-2 measurement. Brandt E, et al. **Lymphokine Res** 1986;5 Suppl 1:S35–42

The regulation of human interferon-gamma production by interleukins 1 and 2. Croll AD, et al. **Lymphokine Res** 1986; 5 Suppl 1:S115–9

Interleukin 2 receptors and responsiveness to recombinant human interleukin 2 in patients with systemic lupus erythematosus. Lakhanpal S, et al. **Mayo Clin Proc** 1987 Jan;62(1):3–7

The interaction of recombinant IL-2 with human resting lymphocytes: blocking effects of monoclonal antibodies to IL-2 receptors. Iseki R, et al. **Microbiol Immunol** 1987; 31(1):59–74

High level stable expression of human interleukin-2 receptors in mouse cells generates only low affinity interleukin-2 binding sites. Cosman D, et al. **Mol Immunol** 1986 Sep; 23(9):935–41

Importance of IL-2 receptors in intra-thymic generation of cells expressing T-cell receptors. Jenkinson EJ, et al. **Nature** 1987 Sep 10–16;329(6135):160–2

Antitumor efficacy of recombinant interleukin 2-activated killer cells against endometrial cancers. Inoue M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan;39(1):143–4

Active suppression of interleukin 2 secretion in mice infected with Trypanosoma brucei AnTat 1.1.E. Sileghem M, et al. **Parasite Immunol** 1986 Nov;8(6):641–9

Interleukin 4 mediates autocrine growth of helper T cells after antigenic stimulation. Fernandez-Botran R, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9689–93

B-cell stimulatory factor 1 and not interleukin 2 is the autocrine growth factor for some helper T lymphocytes. Lichtman AH, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(3):824–7

Induction of synthesis of the cytolytic C9 (ninth component of complement)-related protein in human peripheral mononuclear cells by monoclonal antibody OKT3 or interleukin 2: correlation with cytotoxicity and lymphocyte phenotype. Martin DE, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2946–50

Interleukins and T-cell ontogeny in Xenopus laevis. Cohen N, et al. **Prog Clin Biol Res** 1987;233:53–68 (35 ref.)

Implications of IL-2 in normal and disturbed immune functions in the chicken. Schauenstein K, et al. **Prog Clin Biol Res** 1987;233:69–77 (16 ref.)

The relative resistance of lymphokine activated killer cells to suppression by prostaglandins and glucocorticoids. Imir T, et al. **Prostaglandins Leukotrienes Med** 1987 Jul; 28(2):111–8

Cross reactions between porcine, bovine and ovine interleukin-2 preparations. Denyer MS, et al. **Res Vet Sci** 1987 Mar;42(2):252–4

Epitopic analysis of the human interleukin 2 receptors by the use of monoclonal antibodies: epitope-function relationship. Le Mauff B, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 1):281–4

Modification of the mixed lymphocyte reaction by alloactivated suppressor T lymphocytes and exogenous interleukin-2. Loertscher R, et al. **Transplant Proc** 1987 Aug;19(4):3385–7

Effect of monoclonal anti-IL-2 antibodies on the survival of rat cardiac allografts. Sakagami K, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):586–90

Monoclonal anti-IL-2 receptor antibody in primate renal transplantation. Shapiro ME, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):594–8

Interleukin 2 response inhibition following donor specific transfusions given with azathioprine. Tyler JD, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2258–61

Evidence that cyclosporine does not inhibit allograft rejection by IL-2-treated sensitized splenocytes. Kemeny MM, et al. **Transplantation** 1987 Apr;43(4):560–3

Human recombinant interleukin-2 augments in vitro blastogenesis of bovine and porcine lymphocytes. Stott JL, et al. **Vet Immunol Immunopathol** 1986 Sep;13(1–2):31–8

Strategies to radiolabel interleukin 1 and 2. Panuska JR. **Year Immunol** 1986;2:97–105

[Study on the rapid detection of interleukin-2 biological activity with mouse thymocytes] Yin TG, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Dec;17(4):273–6 (Eng. Abstr.) **(Chi)**

[The characteristics of the activated killer cells (AK) induced in vitro with recombinant IL-2 (rIL-2)] Iwahashi T, et al. **Arerugi** 1986 Oct;35(10):1047–55 (Eng. Abstr.) **(Jpn)**

[The effects of xiao-chai-hu-tang (syosaiko-to) on lymphokine-activated killer (LAK) cell activity] Mizoguchi Y, et al. **Arerugi** 1986 Nov;35(11):1119–21 (Eng. Abstr.) **(Jpn)**

[Comparative study of the activating effects of recombinant human interleukin 2 and interferon-gamma on cell-mediated cytotoxicity against renal cell carcinoma in vitro] Marumo K, et al. **Gan To Kagaku Ryoho** 1987 Jun; 14(6 Pt 1):1825–9 (Eng. Abstr.) **(Jpn)**

[LAK cells and cancer] Taguchi T, et al. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3327–33 (22 ref.) (Eng. Abstr.) **(Jpn)**

[Ontogenic development of human natural killer (NK) cells and lymphokine activated killer (LAK) cells] Saito S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr; 39(4):591–8 (Eng. Abstr.) **(Jpn)**

[Role of interleukin 2 in the pathogenesis and clinical course of multiple sclerosis] Cendrowski W. **Neurol Neurochir Pol** 1986 Mar–Apr;20(2):143–6 (25 ref.) **(Pol)**

[Natural killers and interleukin-2 in mice of the strain MRL/MpJ-1pr/1pr] Khaitov RM, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):197–8 (Eng. Abstr.) **(Rus)**

[Effect of interleukin-2 on the growth of malignant soft tissue tumor explants in diffusion chambers] Berezhnaia NM, et al. **Eksp Onkol** 1986;8(4):50–4 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Mitogenic factor for T inducer/helper cells in Entamoeba histolytica extracts. Chen ZC, et al. **Acta Acad Med Wuhan** 1985;5(4):213–6

A simple method to deplete human interleukin 2-containing medium of phytohemagglutinin by filtration through a concanavalin A sepharose 4B column. Hendriks J, et al. **Braz J Med Biol Res** 1986;19(1):79–84

Separation and purification of lymphocyte chemotactic factor (LCF) and interleukin 2 produced by human peripheral blood mononuclear cells. Potter JW, et al. **Cell Immunol** 1987 Mar;105(1):9–22

Crystallization and preliminary X-ray studies of human recombinant interleukin-2. Sano C, et al. **J Biol Chem** 1987 Apr 5;262(10):4766–9

Model of protein conformation in the reversed-phase separation of interleukin-2 muteins. Kunitani M, et al. **J Chromatogr** 1986 Dec 26;371:313–33

Micropreparative purification of recombinant human interleukin-2. Weir MP, et al. **J Chromatogr** 1987 Jun 19; 396:209–15

Interleukin-2 monoclonal antibody affinity adsorption. The critical role of binding kinetics for optimal immunoadsorption. Budd RC, et al. **J Immunol Methods** 1986 Dec 24;95(2):237–48

Purification of avian T cell growth factor and immune interferon using gel filtration high resolution chromatography. Fredericksen TL, et al. **Prog Clin Biol Res** 1987;238:145–56

METABOLISM

Distribution of lymphocytes with interleukin-2 receptors (TAC antigens) in reactive lymphoproliferative processes, Hodgkin's disease, and non-Hodgkin's lymphomas. An immunohistologic study of 300 cases. Sheibani K, et al. **Am J Pathol** 1987 Apr;127(1):27–37

Expression of human interleukin-2 receptor cDNA in E. coli. Chanda PK, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):804–11

Membrane receptors for interleukin 2 on hematopoietic precursors in chronic myeloid leukemia. Visani G, et al. **Blood** 1987 Apr;69(4):1182–7

Evidence for two extracellular domains in the human interleukin-2 receptor: localization of IL-2 binding. Shackelford DA, et al. **EMBO J** 1986 Dec 1;5(12):3275–80

Expression of CD 25 (Tac antigen) in lymphoid leukemias and non-Hodgkin lymphomas. Faure GC, et al. **Eur J Haematol** 1987 Jan;38(1):26–30

Intracellular pathway of interleukin 2 following receptor-mediated endocytosis. Lowenthal JW, et al. **Eur J Immunol** 1986 Nov;16(11):1461–3

B cell receptors for interleukin 2: demonstration of IL2 internalization and of complementary effects of lipopolysaccharide and phorbol diester on receptor expression. Lowenthal JW, et al. **Eur J Immunol** 1986 Dec; 16(12):1591–5

Interleukin 2 receptor traffic in a murine cytolytic T cell line. Nabholz M, et al. **Eur J Immunol** 1987 Jun; 17(6):783–90

Potentiation of interleukin-2 activity by levamisole and imidazole. Redondo JM, et al. **Immunol Lett** 1987 Jan; 14(2):111–6

Blastogenic responses and the release of interleukins 1 and 2 by spleen cells obtained from rat skin allograft recipients administered with 15-deoxyspergualin. Nemoto K, et al. **J Antibiot (Tokyo)** 1987 Jul;40(7):1062–4

Soluble interleukin-2 receptor levels in patients with undifferentiated and lymphoblastic lymphomas: correlation with survival. Wagner DK, et al. **J Clin Oncol** 1987 Aug; 5(8):1262–74

Internalization of interleukin 2 is mediated by the beta chain of the high-affinity interleukin 2 receptor. Robb RJ, et al. **J Exp Med** 1987 Apr 1;165(4):1201–6

In vivo expression and regulation of murine IL 2 receptors after antigen sensitization. Butler LD, et al. **J Immunol** 1987 Jan 15;138(2):470–7

Structure function relationships for the IL 2 receptor system. III. Tac protein missing amino acids 102 to 173 (exon 4) is unable to bind IL 2: detection of spliced protein after L cell transfection. Neeper MP, et al. **J Immunol** 1987 May 15;138(10):3532–8

Structure-function relationships for the IL 2-receptor system. IV. Analysis of the sequence and ligand-binding properties of soluble Tac protein. Robb RJ, et al. **J Immunol** 1987 Aug 1;139(3):855–62

The released interleukin 2 receptor binds interleukin 2 efficiently. Rubin LA, et al. **J Immunol** 1986 Dec 15; 137(12):3841–4

Quantitative measurement of T-lymphocyte activation by an enzyme-linked immunosorbent assay (ELISA) detecting interleukin-2 receptor expression. Igietseme JU, et al. **J Immunol Methods** 1987 Feb 26;97(1):123–31

Structural studies of T200 glycoprotein and the IL-2 receptor. Thomas M, et al. **J Recept Res** 1987;7(1–4):133–55

IL-2 addiction: withdrawal of growth factor activates a suicide program in dependent T cells. Duke RC, et al. **Lymphokine Res** 1986 Fall;5(4):289–99

Interleukin-2 stimulus-response coupling is calcium independent. LeGrue SJ. **Lymphokine Res** 1987 Winter; 6(1):1–11

Reconstitution of high affinity IL-2 receptor expression in a human T-cell line using a retroviral cDNA expression vector. Wano Y, et al. **Mol Biol Med** 1987 Apr;4(2):95–109

A second human interleukin-2 binding protein that may be a component of high-affinity interleukin-2 receptors. Dukovich M, et al. **Nature** 1987 Jun 11–17; 327(6122):518–22

Expression and functional characterization of artificial mutants of interleukin-2 receptor. Kondo S, et al. **Nature** 1987 May 7–13;327(6117):64–7

Interleukin-2 receptor proteins [news] Trowbridge I. **Nature** 1987 Jun 11–17;327(6122):461–2

High-affinity interleukin 2 binding by an oncogenic hybrid interleukin 2-epidermal growth factor receptor molecule. Bernard O, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2125–9

Interleukin 2 binding molecule distinct from the Tac protein: analysis of its role in formation of high-affinity receptors. Robb RJ, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(7):2002–6

Contribution of a p75 interleukin 2 binding peptide to a high-affinity interleukin 2 receptor complex. Tsudo M, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4215–8

The p75 peptide is the receptor for interleukin 2 expressed on large granular lymphocytes and is responsible for the interleukin 2 activation of these cells. Tsudo M, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5394–8

Demonstration of a non-Tac peptide that binds interleukin 2: a potential participant in a multichain interleukin 2 receptor complex. Tsudo M, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9694–8

Evidence of an activated T-cell system with augmented turnover of interleukin 2 in rheumatoid arthritis. Stimulation of human T lymphocytes by dendritic cells as a model for rheumatoid T-cell activation. Waalen K, et al. **Scand J Immunol** 1987 Apr;25(4):367–73

1,25-Dihydroxyvitamin D3 (calcitriol) suppresses IL-2 induced murine thymocyte proliferation. Haq AU. **Thymus** 1986;8(5):295–306

[Demonstration of synergy between the factor stimulating granulocytes and macrophages colonies and interleukin-I for the stimulation of prostaglandin E2 synthesis by bone marrow cells] Piquet-Pellorce C, et al. **C R Acad Sci [III]** 1987;305(9):345–50 (Eng. Abstr.) **(Fre)**

[Production of and sensitivity to interleukin 2 in rats resistant to the induction of experimental allergic encephalomyelitis] Mostarica-Stojković M, et al. **Glas Srp Akad Nauka [Med]** 1985;(37):35–45 (Eng. Abstr.) **(Scc)**

PHARMACODYNAMICS

Influence of exogenous interleukin-2 on the proliferation of lymphocytes from normal donors and from patients after autologous bone marrow transplantation. Borradori L, et al. **Acta Haematol (Basel)** 1987;77(3):129–34

Effect of recombinant interleukin-2 on peripheral blood mononuclear cells following antigen-specific bronchial provocation. Jira M, et al. **Allergol Immunopathol (Madr)** 1987 Mar–Apr;15(2):69–72

Effect of interleukin 2 on basophil histamine release. Morita Y, et al. **Allergy** 1987 Feb;42(2):104–8

Restoration of impaired natural killer cell activity of B-chronic lymphocytic leukemia patients by recombinant interleukin-2. Kay NE, et al. **Am J Hematol** 1987 Feb; 24(2):161–7

Enhancement of maternal and neonatal natural killer cell activity with interleukin-2. Baker DA, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):780–1

Inhibition of adenylate cyclase by IL 2 in human T lymphocytes is mediated by protein kinase C. Beckner SK, et al. **Biochem Biophys Res Commun** 1987 May 29; 145(1):176–82

The protein kinase C inhibitor H-7, inhibits antigen and IL-2-induced proliferation of murine T cell lines. Clark RB, et al. **Biochem Biophys Res Commun** 1987 Jun 15; 145(2):666–72

Stimulation of prostaglandin E2 and thromboxane B2 production by human monocytes in response to interleukin-2. Remick DG, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):86–93

Characterization of interleukin 2-stimulated phosphorylation of 67 and 63 kDa proteins in human T-cells. Ishii T, et al. **Biochem J** 1987 Feb 15;242(1):211–9

Receptor-specific inhibition of bone marrow erythropoiesis by recombinant DNA-derived interleukin-2. Burdach SE, et al. **Blood** 1987 May;69(5):1368–75

Cytotoxicity of interleukin 2-activated lymphocytes for leukemia and lymphoma cells. Oshimi K, et al. **Blood** 1986 Oct;68(4):938–48

The proliferative response of B cell chronic lymphocytic leukemia to interleukin 2: functional characterization of the interleukin 2 membrane receptors. Touw I, et al. **Blood** 1987 Jun;69(6):1667–73

Extracts of feverfew inhibit mitogen-induced human peripheral blood mononuclear cell proliferation and cytokine mediated responses: a cytotoxic effect. O'Neill LA, et al. **Br J Clin Pharmacol** 1987 Jan;23(1):81–3

Effect of human recombinant interleukin (IL-2) on peripheral blood mononuclear cells of burned patients. Jira M, et al. **Burns Incl Therm Inj** 1987 Apr;13(2):110–3

Tumor-derived interleukin-2-dependent lymphocytes in adoptive immunotherapy of lung cancer. Kradin RL, et al. **Cancer Immunol Immunother** 1987;24(1):76–85

Increase of rat pulmonary microvascular permeability to albumin by recombinant interleukin-2. Fairman RP, et al. **Cancer Res** 1987 Jul 1;47(13):3528–32

Generation of lymphokine-activated killer cells in strain 2 guinea pigs and their use in the therapy of L2C, an acute B-cell leukemia. Gregg EO, et al. **Cancer Res** 1987 Feb 1;47(3):723–9

Induction of lymphokine-activated killer cells in strain 2 guinea pigs with human interleukin-2. Zwilling BS, et al. **Cancer Res** 1986 Nov;46(11):5667–70

Synergistic effect of recombinant interleukin-2 on the inhibition of growth of adenocarcinoma 755 by mitomycin. Ligo M, et al. **Cancer Treat Rep** 1987 Jun;71(6):567–70

The functional loss of human natural killer cell activity induced by K562 is reversible via an interleukin-2-dependent mechanism. Abrams SI, et al. **Cell Immunol** 1986 Sep;101(2):558–70

Interleukin 2 responsiveness of immature T-cell colony-forming cells (T-CFC) from patients with acute T-cell lymphoblastic leukemias. Georgoulias V, et al. **Cell Immunol** 1987 Apr 1;105(2):317–31

Lack of reconstitution of nude mice alloreactivity by purified interleukin 2 and induction of non-H-2-specific effector cells by crude supernatants. Harel-Bellan A, et al. **Cell Immunol** 1987 Apr 1;105(2):251–61

Phorbol myristate acetate-induced proliferation of an IL-2-dependent T-cell line: action of PMA is independent of IL-2 and cannot be mimicked by diacylglycerols. Kamber M. **Cell Immunol** 1986 Oct 1;102(1):177–86

Interleukin 2 induces interferon alpha/beta production in mouse bone marrow cells. Reyes VE, et al. **Cell Immunol** 1986 Oct 15;102(2):374–85

Proliferation of human peripheral blood lymphocytes induced by recombinant human interleukin 2: contribution of large granular lymphocytes and T lymphocytes. Talmadge JE, et al. **Cell Immunol** 1986 Oct 15; 102(2):261–72

Inverse relationship in H-2-associated lysis between NK cells and rIL-2-activated killer cells: evidence from in vitro killing and metastatic experiments. Toshitani A, et al. **Cell Immunol** 1987 Aug;108(1):188–202

Lack of effect of exogenous recombinant interleukin-2 on trauma-induced abnormalities in lymphocyte proliferation. Abraham E, et al. **Crit Care Med** 1986 Oct;14(10):847–51

Interleukin 2 (IL 2) relationships with the cancer-related immunodeficiency: in vitro response to exogenous IL 2 by PHA-activated and non PHA-activated peripheral blood mononuclear cells from cancer patients. Mantovani G, et al. **Diagn Clin Immunol** 1987;5(2):104–11

Peripheral blood lymphocyte response to recombinant and non-recombinant interleukin 2 in previously treated patients with Hodgkin's disease, long-time off-therapy. Mantovani G, et al. **Eur J Haematol** 1987 Feb;38(2):179–86

Interleukin-2 can induce proliferation of leukemic B-cells in prolymphocytic leukemia. Panayotides P, et al. **Eur J Haematol** 1987 Mar;38(3):274–8

"In vivo" activated splenic T cells are refractory to interleukin 2 growth "in vitro" Bandeira A, et al. **Eur J Immunol** 1987 Jul;17(7):901–8

B cell differentiation and interleukin 2 (IL2): corticosteroids interact with monocytes to enhance the effect of IL2. Emilie D, et al. **Eur J Immunol** 1987 Jun;17(6):791–5

A T cell clone which responds to interleukin 2 but not to interleukin 4. Müller W, et al. **Eur J Immunol** 1987 Apr; 17(4):579–80

Analysis of T cell-replacing factor-like activity: potent induction of T helper activity for human B cells by residual concanavalin A and interleukin 2. Sauerwein RW, et al. **Eur J Immunol** 1987 Aug;17(8):1145–50

Butyrate-synchronized cloned T cells retain their dependence on interleukin-2 for growth induction. A model system for growth regulation. Moebius U, et al. **Exp Cell Res** 1987 Apr;169(2):379–84

Pteridines are produced during interleukin 2-induced T-cell proliferation and modulate transmission of this signal. Ziegler I, et al. **Exp Cell Res** 1986 Dec;167(2):531–8

Proliferation and immunoglobulin synthesis of peripheral blood mononuclear cells from patients with chronic liver disease stimulated by Staphylococcus aureus Cowan 1 and interleukin 2. Kakumu S, et al. **Gastroenterol Jpn** 1987 Jun; 22(3):337–43

Exogenous IL2 partially reverts CML non-reactivity acquired during prophylactic immunosuppression with cyclosporin A of human allograft recipients. Irschick E, et al. **Immunobiology** 1986 Aug;172(1–2):21–32

Relative cloning efficiencies and long-term propagation capacity for T cell clones of highly purified natural interleukin 2 compared to recombinant interleukin 2 in man. Pawelec G, et al. **Immunobiology** 1987 Jan;174(1):67–75

Interleukin 2 induces appearance of LGL/Leu11+/K562 lytic cells in Leu11- low density peripheral blood mononuclear cell population. Lange A, et al. **Immunol Lett** 1987 May;15(1):1–7

Toad splenocytes bind human IL-2 and anti-human IL-2 receptor antibody specifically. Langeberg L, et al. **Immunol Lett** 1987 Jan;14(2):103–10

Corticosteroid regulation of IL-1 production may be responsible for deficient immune suppressor function during the metamorphosis of Xenopus laevis, the South African clawed toad. Highet AB, et al. **Immunopharmacology** 1987 Apr;13(2):149–55

Recombinant human interleukin-2 reverses in vitro-deficient cell-mediated immune responses to tuberculin purified protein derivative by lymphocytes of tuberculous patients. Shiratsuchi H, et al. **Infect Immun** 1987 Sep;55(9):2126–31

Human tumor cell lines with pleiotropic drug resistance are efficiently killed by interleukin-2 activated killer cells and by activated monocytes. Allavena P, et al. **Int J Cancer** 1987 Jul 15;40(1):104–7

Generation of mouse natural killer (NK) cell activity: effect of interleukin-2 (IL-2) and interferon (IFN) on the in vivo development of natural killer cells from bone marrow (BM) progenitor cells. Riccardi C, et al. **Int J Cancer** 1986 Oct 15;38(4):553–62

2-Mercaptoethanol acts at the restricted stage of interleukin-2 dependent lymphocyte proliferation. Sugama K, et al. **J Cell Physiol** 1987 Apr;131(1):23–8

Heterogeneity in response to interleukin 2 and interleukin 2-producing ability of adult T cell leukemic cells. Arima N, et al. **J Immunol** 1987 May 1;138(9):3069–74

rIL 2-induced proliferation of human circulating NK cells and T lymphocytes: synergistic effects of IL 1 and IL 2. Ben Aribia MH, et al. **J Immunol** 1987 Jul 15;139(2):443–51

Interleukin 2 activates a receptor-associated protein kinase. Benedict SH, et al. **J Immunol** 1987 Sep 1;139(5):1694–7

Direct activation of human resting T cells by IL 2: the role of an IL 2 receptor distinct from the Tac protein. Bich-Thuy LT, et al. **J Immunol** 1987 Sep 1;139(5):1550–6

Recombinant IL 2 but not recombinant interferon-gamma stimulates both proliferation and IgM secretion in a Ly-1+ clone of neoplastic murine B cells (BCL1). Brooks KH, et al. **J Immunol** 1986 Nov 15;137(10):3205–10

Role of c-myc and other genes in interleukin 2 regulated CT6 T lymphocytes and their malignant variants. Cleveland JL, et al. **J Immunol** 1987 May 15; 138(10):3495–504

Interleukin 2-activated human killer cells are derived from phenotypically heterogeneous precursors. Damle NK, et al. **J Immunol** 1986 Nov 1;137(9):2814–22

Interleukin 2-activated human lymphocytes exhibit enhanced adhesion to normal vascular endothelial cells and cause their lysis. Damle NK, et al. **J Immunol** 1987 Mar 15; 138(6):1779–85

Mitogenic effect of PMA + IL 2 on subpopulations of corticoresistant thymocytes. Dupuy d'Angeac A, et al. **J Immunol** 1986 Dec 1;137(11):3501–8

Interleukin 2 induction of interferon-gamma mRNA synthesis. Farrar WL, et al. **J Immunol** 1986 Dec 15; 137(12):3836–40

Phenotypic and functional characterization of recombinant interleukin 2 (rIL 2)-induced activated killer cells: analysis at the population and clonal levels. Ferrini S, et al. **J Immunol** 1987 Feb 15;138(4):1297–302

Interleukin 2 activated tumor inhibition in vivo depends on the systemic involvement of host immunoreactivity. Forni G, et al. **J Immunol** 1987 Jun 1;138(11):4033–41

Impaired expression of high affinity interleukin 2 receptor on activated lymphocytes from patients with systemic lupus

erythematosus. Ishida H, et al. **J Immunol** 1987 Aug 15; 139(4):1070–4

Analysis of the murine lymphokine–activated killer (LAK) cell phenomenon: dissection of effectors and progenitors into NK– and T–like cells. Kalland T, et al. **J Immunol** 1987 Jun 1;138(11):3640–5

Class I MHC antigens in the generation and expression of promiscuous cytotoxic cell function. Kane KP, et al. **J Immunol** 1986 Nov 15;137(10):3080–6

Interleukin 2 induces human acute lymphocytic leukemia cells to manifest lymphokine–activated–killer (LAK) cytotoxicity. Kaufmann Y, et al. **J Immunol** 1987 Aug 1; 139(3):977–82

Growth of an interleukin 2/interleukin 4–dependent T cell line induced by granulocyte–macrophage colony–stimulating factor (GM–CSF). Kupper T, et al. **J Immunol** 1987 Jun 15;138(12):4288–92

Interleukin 2 regulates the expression of IL 2 receptors on interleukin 3–dependent bone marrow–derived cell lines. Le Gros GS, et al. **J Immunol** 1987 Jan 15;138(2):478–83

Retrovirus infection alters growth factor responses of T lymphocytes. Lichtman AH, et al. **J Immunol** 1987 May 15;138(10):3276–83

Induction of proliferation in vitro of resting human natural killer cells: IL 2 induces into cell cycle most peripheral blood NK cells, but only a minor subset of low density T cells. London L, et al. **J Immunol** 1986 Dec 15; 137(12):3845–54

Induction of NK cell activity against fresh human leukemia in culture with interleukin 2. Lotzová E, et al. **J Immunol** 1987 Apr 15;138(8):2718–27

Large granular lymphocytes from SCID horses develop potent cytotoxic activity after treatment with human recombinant interleukin 2. Magnuson NS, et al. **J Immunol** 1987 Jul 1;139(1):61–7

Interleukin 2 inhibits in vitro granulocyte–macrophage colony formation. Naldini A, et al. **J Immunol** 1987 Sep 15;139(6):1880–4

Acquisition of non–MHC restricted cytotoxic function by IL 2 activated thymocytes with an "immature" antigenic phenotype. Phillips JH, et al. **J Immunol** 1987 Aug 1; 139(3):683–7

Precursor phenotype of lymphokine–activated killer cells in the mouse. Salup RR, et al. **J Immunol** 1987 Jun 1; 138(11):3635–9

Development and characterization of a human B cell line that responds to B cell growth factor but not interleukin 2. Tseng CT, et al. **J Immunol** 1987 Apr 15;138(8):2554–60

Lysis of tumor cells by CD3+4–8–16+ T cell receptor alpha beta– clones, regulated via CD3 and CD16 activation sites, recombinant interleukin 2, and interferon beta 1. van de Griend RJ, et al. **J Immunol** 1987 Mar 1;138(5):1627–33

Comparison of methods for freezing interleukin–dependent murine cell lines. Sawada J, et al. **J Immunol Methods** 1986 Dec 24;95(2):203–10

Effects of serum immunosuppressive factors on antitumor cytotoxicity of interleukin 2–induced lymphocytes. Sugiyama Y, et al. **J Surg Oncol** 1987 Aug;35(4):223–9

Identification and expansion of human lymphokine–activated killer cells: implications for the immunotherapy of cancer. Skibber JM, et al. **J Surg Res** 1987 Jun;42(6):613–21

Impaired expression of interleukin–2 receptor (IL2R) in the immunosuppressed burned patient: reversal by exogenous IL2. Teodorczyk–Injeyan JA, et al. **J Trauma** 1987 Feb; 27(2):180–7

Characteristics of mouse thymocyte–derived, interleukin 2–activated killer cells and their precursors. Yagi H, et al. **Jpn J Cancer Res** 1987 Jul;78(7):721–8

Induction of lymphokine–activated killer activities in peripheral blood lymphocytes and regional lymph node lymphocytes against PC–9 cultured adenocarcinoma and autologous pulmonary adenocarcinoma cells. Morikawa Y, et al. **Jpn J Clin Oncol** 1987 Jun;17(2):129–39

Recombinant interferons or interleukin–2 increase cytotoxicity by human monocytes and NK cells. Frey JR, et al. **Lymphokine Res** 1987 Summer;6(3):215–27

Lymphokines regulate expression of cell surface antigens and production of suppressor factors by murine suppressor T cell hybridomas. Trial J, et al. **Lymphokine Res** 1986 Fall; 5(4):275–87

Interleukin–2 versus phorbol–ester–induced cellular events in normal T–lymphocytes. Friedrich B, et al. **Med Oncol Tumor Pharmacother** 1986;3(3–4):237–46

Malignant B–cells have receptors for and respond to interleukin–2. Panayotides P, et al. **Med Oncol Tumor Pharmacother** 1986;3(3–4):255–63 (28 ref.)

Regulation of human T–lymphocyte gene expression by interleukin 2: immediate–response genes include the proto–oncogene c–myb. Pauza CD. **Mol Cell Biol** 1987 Jan;7(1):342–8

Interleukin–2 and GTP binding in lymphocytes [letter] Bourne HR. **Nature** 1987 Apr 30–May 6;326(6116):833–4

Stimulation of specific GTP binding and hydrolysis activities in lymphocyte membrane by interleukin–2 [published erratum appears in Nature 1987 Jun 14–17;327(6122):467] Evans SW, et al. **Nature** 1987 Jan 8–14;325(7000):166–8

Recombinant interleukin–2 directly augments the cytotoxicity of human monocytes. Malkovský M, et al. **Nature** 1987 Jan 15–21;325(6101):262–5

Interleukin 2 mediates the inhibition of oligodendrocyte progenitor cell proliferation in vitro. Saneto RP, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):[illegible]21–5

IL–2 modulation of murine T–cell oncogene expression. Seldin MF, et al. **Proc Soc Exp Biol Med** 1987 Feb; 184(2):186–90

The precursor cells of mouse lymphokine–activated killer (LAK) cells. Nishimura T, et al. **Thymus** 1987;9(3):131–9

Analysis of human prenatal and postnatal thymocytes with the anti–Tac monoclonal antibody and recombinant interleukin–2. Plum J, et al. **Thymus** 1987;9(3):149–58

The use of allogeneic stimulation and exogenous interleukin for syngeneic tumor rejection. Sherburne CG, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):628–31

Exogenous recombinant interleukin–2 abrogates anterior–chamber–associated immune deviation. Niederkorn JY. **Transplantation** 1987 Apr;43(4):523–8

Initial characterization of humoral IL–2 response inhibition following donor–specific transfusions under azathioprine immunosuppression. Tyler JD, et al. **Transplantation** 1987 Jun;43(6):879–87

Developments concerning the biochemical and molecular basis of IL–2 mediated T cell growth. Farrar WL, et al. **Year Immunol** 1986;2:90–6 (40 ref.)

[The effect of in vitro interleukin 2 on lymphocytes and monocytes in human peripheral blood. II. Induction of surface differentiation signs] Jíra M, et al. **Cas Lek Cesk** 1986 Dec 19;125(51):1578–80 (Eng. Abstr.) **(Cze)**

[The effect of in vitro interleukin 2 on lymphocytes and monocytes in human peripheral blood. I. Induction of proliferation and cytotoxicity] Jíra M, et al. **Cas Lek Cesk** 1986 Dec 19;125(51):1573–7 (Eng. Abstr.) **(Cze)**

[Interleukin 2] Fink R, et al. **Dtsch Med Wochenschr** 1987 Jan 30;112(5):188–93 **(Ger)**

[Interleukin–2: molecular, physiological and pathophysiological bases and possible significance for clinical practice] Borradori L, et al. **Schweiz Med Wochenschr** 1987 Jun 20;117(25):945–51 (81 ref.) (Eng. Abstr.) **(Ger)**

[Synergism of effect between phytohemagglutinin, interleukin 2 and methotrexate on the protidosynthetic activity of human lymphocytes (letter)] Ciaiolo C. **Minerva Med** 1987 Jul 15;78(13):941–2 **(Ita)**

[A case of pericarditis carcinomatosa showing good response following local transfer of lymphokine–activated killer (LAK) cells] Ueno Y, et al. **Gan To Kagaku Ryoho** 1987 Aug;14(8):2579–82 (Eng. Abstr.) **(Jpn)**

[Augmentation of cytotoxicity of regional lymph node lymphocytes of the stomach by in vitro culture in IL2 contained medium] Akura Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Dec 20;21(10):2411–20 (Eng. Abstr.) **(Jpn)**

[The effects of human recombinant interleukin 2 (hr IL–2) on the permeability of glomerular basement membrane in rats] Kawaguchi H, et al. **Nippon Jinzo Gakkai Shi** 1987 Jan;29(1):1–11 (Eng. Abstr.) **(Jpn)**

[Interleukin–2 stimulates the colony–forming activity of in vitro irradiated bone marrow] Semina OV, et al. **Radiobiologiia** 1987 May–Jun;27(3):381–4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Coxsackievirus B3–induced myocarditis. Autoimmunity is L3T4+ T helper cell and IL–2 independent in BALB/c mice. Estrin M, et al. **Am J Pathol** 1987 May;127(2):335–41

The interleukin 2 receptor and its physiology. Implications for combatting autoimmune diseases and transplant rejections. Diamantstein T. **Behring Inst Mitt** 1987 Jun; (81):73–87

Activation of interleukin–2 receptor gene by forskolin and cyclic AMP analogues. Narumiya S, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):753–60

Loss of interleukin–2 requirement for the generation of T colonies defines an early event of human T–lymphotropic virus type I infection. Duc Dodon M, et al. **Blood** 1987 Jan;69(1):12–7

The regulatory role of interleukin 2–responsive T lymphocytes on human marrow granulopoiesis. Estrov Z, et al. **Blood** 1987 Apr;69(4):1161–6

Acute lymphoblastic leukemia and non–Hodgkin's lymphoma of T lineage: colony–forming cells retain growth factor (interleukin 2) dependence. Touw I, et al. **Blood** 1986 Nov; 68(5):1088–94

Immunoregulatory T–cell defects in B–cell chronic lymphocytic leukemia: cause or consequence of the disease? The contributory role of decreased availability of interleukin 2 (IL–2). Foa R, et al. **Blood Cells** 1987; 12(2):399–412

A model system for peptide hormone action in differentiation: interleukin 2 induces a B lymphoma to transcribe the J chain gene. Blackman MA, et al. **Cell** 1986 Nov 21; 47(4):609–17

Intracellular polyamine biosynthesis is required for interleukin 2 responsiveness during lymphocyte mitogenesis. Bowlin TL, et al. **Cell Immunol** 1987 May; 106(2):420–7

Ornithine decarboxylase induction and polyamine biosynthesis are required for the growth of interleukin–2– and interleukin–3–dependent cell lines. Bowlin TL, et al. **Cell Immunol** 1986 Apr 1;98(2):341–50

The role of IL–2 and T4+ cells in the generation of human influenza virus–specific CTL activity. Braakman E, et al. **Cell Immunol** 1986 Jul;100(2):462–73

The regulation of gamma–interferon production by interleukins 1 and 2. Croll AD, et al. **Cell Immunol** 1986 Oct 1;102(1):33–42

Regulation of T–cell functions by L–lactate. Dröge W, et al. **Cell Immunol** 1987 Sep;108(2):405–16

Different characteristics of allogeneic and trinitrophenyl–modified H–2–restricted cell–mediated lympholysis: analysis of differences in interleukin–2 dependency using an ontogenical approach. Gondo H, et al. **Cell Immunol** 1986 Jul;100(2):422–33

Lysis of fresh solid tumor targets in the presence of Con A is mediated primarily by Leu 7+ peripheral blood T lymphocytes: blocking by the anti–CD3 monoclonal antibody and comparison with recombinant interleukin 2–induced lysis by natural killer cells. Itoh K, et al. **Cell Immunol** 1987 Sep;108(2):283–96

Suppression of cytolytic T–cell activity by staphylococcal enterotoxin B–induced suppressor cells: role of interleukin 2. Lin YS, et al. **Cell Immunol** 1986 Nov;103(1):147–59

The role of lymphokine–activated cell–associated antigen. III. Inhibition of T–cell activation by monoclonal killer–blocking antibody. Nishimura T, et al. **Cell Immunol** 1987 Jun;107(1):32–9

Production of and responsiveness to interleukin 2 in autoimmune BXSB mice. Umland SP, et al. **Cell Immunol** 1987 Jun;107(1):158–71

The human interleukin–2 receptor: role in normal T–cell growth and association with HTLV–I–induced T–cell leukemia. Greene WC, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:731–7

Interleukin–2 receptor: structure, function, and expression. Kanamori H, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:739–49

Defective interleukin 2 receptor expression is associated with the T cell disfunction subsequent to bone marrow transplantation. López–Botet M, et al. **Eur J Immunol** 1987 Aug;17(8):1167–74

Activation of the Na+/K+–ATPase by interleukin–2. Redondo JM, et al. **FEBS Lett** 1986 Oct 6;206(2):199–202

Interleukin–2 binding to activated human T lymphocytes triggers generation of cyclic AMP but not of inositol phosphates. Wickremasinghe RG, et al. **FEBS Lett** 1987 Aug 10;220(1):52–6

Characterization of the human interleukin 2 receptor at the DNA, RNA, and protein level. Greene WC. **Immunobiology** 1986 Sep;172(3–5):357–64

Expression of genes in cloned murine cell lines that can be maintained in both interleukin 2– and interleukin 3–dependent growth states. Le Gros JE, et al. **Immunol Cell Biol** 1987 Feb;65 (Pt 1):57–69

Synergy between interleukin–2 and a second factor in the long–term growth of human T cells. Mills BJ, et al. **Immunology** 1986 Sep;59(1):57–61

Interleukin–2 responses of MRL/lpr mouse splenocytes and lymph node cells induced by TPA and A23187. Katagiri T, et al. **Int Arch Allergy Appl Immunol** 1987;83(2):167–73

Interleukin 2 rapidly stimulates synthesis and breakdown of polyphosphoinositides in interleukin 2–dependent, murine T–cell lines. Bonvini E, et al. **J Biol Chem** 1987 Mar 25; 262(9):4160–4

Receptor–mediated endocytosis of interleukin 2 in a human tumor T cell line. Degradation of interleukin 2 and evidence for the absence of recycling of interleukin receptors. Duprez V, et al. **J Biol Chem** 1986 Nov 25; 261(33):15450–4

Interleukin 2 and diacylglycerol stimulate phosphorylation of 40 S ribosomal S6 protein. Correlation with increased protein synthesis and S6 kinase activation. Evans SW, et al. **J Biol Chem** 1987 Apr 5;262(10):4624–30

Identity of common phosphoprotein substrates stimulated by interleukin 2 and diacylglycerol suggests a role of protein kinase C for IL 2 signal transduction. Evans SW, et al. **J Cell Biochem** 1987 May;34(1):47–59

Role of the interleukin 2 receptor in differentiation of a clone of Ly–1+ B cells. Bishop GA, et al. **J Immunol** 1987 May 15;138(10):3308–13

Receptor–specific modulation of myelopoiesis by recombinant DNA–derived interleukin 2. Burdach S, et al. **J Immunol** 1987 Jul 15;139(2):452–8

Cellular interactions and the role of interleukin 2 in the expression and induction of immunity against a syngeneic murine sarcoma. Chou T, et al. **J Immunol** 1987 Sep 15; 139(6):2103–9

Suppressor T cell growth and differentiation: evidence for induced receptors on suppressor T cells that bind a suppressor T cell differentiation factor. Chu WS, et al. **J Immunol** 1987 Jan 15;138(2):504–12

Lack of IL 2–dependent proliferation despite significant expression of high–affinity IL 2 receptor on murine cytolytic T lymphocyte clones late after antigenic stimulation. Churilla AM, et al. **J Immunol** 1987 Mar 1; 138(5):1338–45

Interleukin 2 mediates an alteration in the T200 antigen expressed on activated B lymphocytes. Cook RG, et al. **J Immunol** 1987 Aug 15;139(4):991–7

Effects of anti–proliferative cyclic AMP on interleukin 2–stimulated gene expression. Farrar WL, et al. **J Immunol** 1987 Sep 15;139(6):2075–80

In vivo and in vitro expression of an interleukin 2 receptor by murine B and T lymphocytes. Finkelman FD, et al. **J Immunol** 1986 Oct 1;137(7):2252–9

Role of CD2 and IL 1 beta in T cell responsiveness to IL 2. Gromo G, et al. **J Immunol** 1987 Apr 1;138(7):2155–60

T cell growth without serum. Herzberg VL, et al. **J Immunol** 1987 Aug 15;139(4):998–1004

Expression of functional IL 2 receptors by lipopolysaccharide and interferon-gamma stimulated human monocytes. Holter W, et al. **J Immunol** 1987 May 1;138(9):2917–22

Comparative activation requirements of human peripheral blood, spleen, and lymph node B cells. Jelinek DF, et al. **J Immunol** 1987 Aug 15;139(4):1005–13

A novel role for interleukin 2 in antibody responses: down-regulation of T helper cell activation. Kennedy M, et al. **J Immunol** 1987 Jul 1;139(1):110–3

Evidence for negative regulation of T cell growth by low affinity interleukin 2 receptors. Kumar A, et al. **J Immunol** 1987 Mar 1;138(5):1485–93

Generation of NK cell activity from human bone marrow. Lotzová E, et al. **J Immunol** 1987 Jul 1;139(1):279–84

Dissociation between the expression of IL 2 receptor and IL 2 receptor mRNA in the antigen-specific T cell clone stimulated by the specific antigen with B cell APC. Matsui M, et al. **J Immunol** 1987 Jul 15;139(2):373–9

Regulation of hepatic acute phase protein synthesis by products of interleukin 2 (IL 2)-stimulated human peripheral blood mononuclear cells. Mier JW, et al. **J Immunol** 1987 Aug 15;139(4):1268–72

Role of interleukin 2 (IL 2) and hemopoietin-1 (H-1) in the generation of mouse natural killer (NK) cells from primitive bone marrow precursors. Migliorati G, et al. **J Immunol** 1987 Jun 1;138(11):3618–25

The role of interleukin 2 in inducing Ig production in a pokeweed mitogen-stimulated mononuclear cell system. Nakagawa N, et al. **J Immunol** 1987 Feb 1;138(3):795–801

Inhibition of IL 2-driven proliferation of murine T lymphocyte clones by supraoptimal levels of immobilized anti-T cell receptor monoclonal antibody. Nau GJ, et al. **J Immunol** 1987 Jul 1;139(1):114–22

Interleukin 2 inhibits antigen-stimulated lymphokine synthesis in helper T cells by inhibiting calcium-dependent signalling. Otten G, et al. **J Immunol** 1987 Aug 15; 139(4):1348–53

The murine interleukin 2 receptor. Irreversible cross-linking of radiolabeled interleukin 2 to high affinity interleukin 2 receptors reveals a noncovalently associated subunit. Saragovi H, et al. **J Immunol** 1987 Sep 15;139(6):1918–26

Effects of human alveolar macrophages on the induction of lymphokine (IL 2)-activated killer cells. Sone S, et al. **J Immunol** 1987 Jul 1;139(1):29–34

Monocyte interleukin 2 receptor gene expression and interleukin 2 augmentation of microbicidal activity. Wahl SM, et al. **J Immunol** 1987 Aug 15;139(4):1342–7

Effect of infection with murine recombinant retroviruses containing the v-src oncogene on interleukin 2- and interleukin 3-dependent growth states. Watson JD, et al. **J Immunol** 1987 Jul 1;139(1):123–9

Regulation of guinea-pig immune functions by interleukin 2: critical role of natural killer activity in acute HSV-2 genital infection. Weinberg A, et al. **J Immunol** 1986 Nov 15;137(10):3310–7

Improvement of the in vitro T cell proliferation assay by a modified method that separates the antigen recognition and IL-2-dependent steps. Chain B, et al. **J Immunol Methods** 1987 May 20;99(2):221–8

Interleukin-2-induced chemotaxis of human T-lymphocytes. Robbins RA, et al. **J Lab Clin Med** 1986 Oct;108(4):340–5

Role of epidermal cell thymocyte-activating factor in the proliferation and differentiation of murine B cells. Pillai PS, et al. **J Leukocyte Biol** 1987 Sep;42(3):222–9

Regulation of human large granular lymphocyte and T cell growth and function by recombinant interleukin 2: induction of interleukin 2 receptor and promotion of growth of cells with enhanced cytotoxicity. Yamada S, et al. **J Leukocyte Biol** 1987 Jun;41(6):505–17

Myelin basic protein-specific RNA levels in interleukin-2-stimulated oligodendrocytes. Benveniste EN, et al. **J Neurochem** 1987 Oct;49(4):1274–9

Role of interleukin-2 (IL-2) and IL-2 receptor expression in the proliferative defect observed in mitogen-stimulated lymphocytes from patients with gliomas. Elliott L, et al. **JNCI** 1987 May;78(5):919–22

Effects of T cell growth factor/interleukin II on prothymocytes. Hadden JW, et al. **Lymphokine Res** 1986; 5 Suppl 1:S49–54

Interleukin 2 binding capacity of human mononuclear leukocytes. Horst HJ, et al. **Lymphokine Res** 1986;5 Suppl 1:S55–9

Interleukin-2 (IL-2) and its receptor. Larsson EL. **Med Oncol Tumor Pharmacother** 1986;3(3-4):231–6 (60 ref.)

Interleukin-2- and mitogen-activated NK-like killer cells from highly purified human peripheral blood T cell (CD3+ N901-) cultures. Atzpodien J, et al. **Nat Immun Cell Growth Regul** 1987;6(3):129–40

Reassessment of LAK phenomenology: a review. Lotzová E, et al. **Nat Immun Cell Growth Regul** 1987;6(3):109–15 (43 ref.)

Intracytoplasmic phosphorylation sites of Tac antigen (p55) are not essential for the conformation, function, and regulation of the human interleukin 2 receptor. Hatakeyama M, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9650–4

Neither interleukin 2 nor gamma interferon directly promote growth or differentiation of mouse B cells. Julius MH, et al. **Scand J Immunol** 1987 Feb;25(2):195–202

A study of cyclic nucleotides as second messengers after interleukin 2 stimulation of human T lymphocytes. Knudsen TE, et al. **Scand J Immunol** 1987 May; 25(5):527–31

Interleukin-2, 1984: year of the receptor. Ruscetti FW. **Year Immunol** 1985;:100–6 (30 ref.)

[Functional and biochemical characterization of interleukin 2 receptor-associated molecules] Uede T, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2056–62 (Eng. Abstr.) **(Jpn)**

[The antitumor efficacy of lymphokine-activated killer (LAK) cells and gamma interferon production induced in vitro from peripheral blood lymphocytes of patients with malignant gliomas] Shimizu K, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 May 20;21(4):760–6 (Eng. Abstr.) **(Jpn)**

[Antitumor effect of biological factors and their response] Yamazaki M. **Nippon Rinsho** 1987 May;45(5):1144–55 **(Jpn)**

SECRETION

The association of the rabies glycoprotein with liposome (immunosome) induces an in vitro specific release of interleukin 2. Oth D, et al. **Cell Immunol** 1987 Aug; 108(1):220–6

Augmentation of interleukin-2 release by cytochalasins. Valentine MA, et al. **Cell Immunol** 1986 Sep;101(2):651–8

Potentiation of release of interleukin-2 by bleomycin. Abdul Hamied TA, et al. **Immunopharmacology** 1986 Oct; 12(2):127–34

Effects of adriamycin, 4-hydroperoxycyclophosphamide and ASTA Z 7557 (INN mafosfamide) on the release of IL-2 and IL-1 in vitro. Abdul Hamied TA, et al. **Int J Immunopharmacol** 1987;9(3):355–61

Enhancement of interleukin 1 and interleukin 2 releases by ubenimex. Shibuya K, et al. **J Antibiot (Tokyo)** 1987 Mar; 40(3):363–9

Frequency analysis of class I MHC-reactive Lyt-2+ and class II MHC-reactive L3T4+ IL 2-secreting T lymphocytes. Heeg K, et al. **J Immunol** 1987 Jun 15; 138(12):4121–7

The interleukin 2 secretion defect in vitro in systemic lupus erythematosus is reversible in rested cultured T cells. Huang YP, et al. **J Immunol** 1986 Dec 1;137(11):3515–20

Interleukin 1-driven secretion of interleukin 2 is highly temperature-dependent. Lederman HM, et al. **J Immunol** 1987 Jun 1;138(11):3808–11

Corticosteroid therapy suppresses spontaneous interleukin 2 release and spontaneous proliferation of lung T lymphocytes of patients with active pulmonary sarcoidosis. Pinkston P, et al. **J Immunol** 1987 Aug 1;139(3):755–60

THERAPEUTIC USE

Therapy of acquired immune deficiency syndrome with recombinant interleukin-2. Volberding P, et al. **AIDS Res Hum Retroviruses** 1987 Summer;3(2):115–24

Effects of human recombinant interleukin 2 in patients with chronic hepatitis B: a preliminary report. Nishioka M, et al. **Am J Gastroenterol** 1987 May;82(5):438–42

Malignant granular lymphoproliferation after Epstein-Barr virus infection: partial immunologic reconstitution with interleukin-2. Aronson FR, et al. **Am J Hematol** 1987 Aug; 25(4):427–39

Interleukin-2. Jassak PF, et al. **Am J Nurs** 1987 Apr; 87(4):464–7

Intraperitoneal administration of interleukin-2 in patients with cancer. Lotze MT, et al. **Arch Surg** 1986 Dec; 121(12):1373–9

Interleukin 2 and lymphokine-activated killer cells in the treatment of childhood primary hepatocellular carcinoma—a preliminary report. Hsieh KH, et al. **Asian Pac J Allergy Immunol** 1987 Jun;5(1):13–6

Tumour inhibition by interleukin-2 at the tumour/host interface. Forni G, et al. **Biochim Biophys Acta** 1986 Dec 17;865(3):307–27 (96 ref.)

Human lymphokine-activated killer cells (LAK cells) as a potential immunotherapeutic modality. Grimm EA. **Biochim Biophys Acta** 1986 Dec 17;865(3):267–79 (63 ref.)

Hematologic effects of immunotherapy with lymphokine-activated killer cells and recombinant interleukin-2 in cancer patients. Ettinghausen SE, et al. **Blood** 1987 Jun;69(6):1654–60

Clinical effects and toxicity of interleukin-2 in patients with cancer. Lotze MT, et al. **Cancer** 1986 Dec 15; 58(12):2764–72

The requirements for successful immunotherapy of intraperitoneal cancer using interleukin-2 and lymphokine-activated killer cells. Ottow RT, et al. **Cancer** 1987 Oct 1;60(7):1465–73

The anti-tumour efficacy of human recombinant interleukin 2. Correlation between sensitivity of tumours to the cytolytic effect of LAK cells in vitro and their susceptibility to interleukin 2 immunotherapy in vivo. Bubeník J, et al. **Cancer Immunol Immunother** 1987; 24(3):269–71

Effect of recombinant interleukin 2 (R-IL2) on in vivo growth of murine myeloma X5563. Maekawa R, et al. **Cancer Immunol Immunother** 1986;23(1):25–30

Recruitment of inflammatory cells to a tumor deposit potentiates the immunotherapeutic effects of interleukin-2. Steller EP, et al. **Cancer Immunol Immunother** 1986; 23(3):165–8

In vivo administration of purified human interleukin-2 to patients with cancer: development of interleukin-2 receptor positive cells and circulating soluble interleukin-2 receptors following interleukin-2 administration. Lotze MT, et al. **Cancer Res** 1987 Apr 15;47(8):2188–95

Antitumor efficacy of lymphokine-activated killer cells and recombinant interleukin 2 in vivo: successful immunotherapy of established pulmonary metastases from weakly immunogenic and nonimmunogenic murine tumors of three district histological types. Papa MZ, et al. **Cancer Res** 1986 Oct;46(10):4973–8

Local and systemic effects during interleukin-2 therapy of mouse mammary tumors. Vaage J. **Cancer Res** 1987 Aug 15;47(16):4296–8

Synergistic effects of combination therapy with human recombinant interleukin-2 and tumor necrosis factor in murine tumor models. Winkelhake JL, et al. **Cancer Res** 1987 Aug 1;47(15):3948–53

Induction of lymphokine-activated killer cells by intrapleural instillations of recombinant interleukin-2 in patients with malignant pleurisy due to lung cancer. Yasumoto K, et al. **Cancer Res** 1987 Apr 15;47(8):2184–7

Immunotherapy of intraperitoneal cancer with interleukin 2 and lymphokine-activated killer cells reduces tumor load and prolongs survival in murine models. Ottow RT, et al. **Cell Immunol** 1987 Feb;104(2):366–76

Antimetastatic activity of lymphokine-activated killer cells to rat fibrosarcoma (WBT-2M) and rat mammary carcinoma (SST-2). Ba DN, et al. **Chin Med J [Engl]** 1987 Jan;100(1):2–7

Reduced incidence of hepatic metastases by perioperative treatment with recombinant human interleukin-2. Weese JL, et al. **Dis Colon Rectum** 1987 Jul;30(7):503–7

Immunotherapy of murine sarcomas with interleukin 2. II. Activation of killer cells by human recombinant IL-2. Indrová M, et al. **Folia Biol (Praha)** 1986;32(6):392–8

The emergence of biologicals as cancer treatment: the good news and the bad [editorial] DeVita VT Jr, et al. **Hosp Pract [Off]** 1987 Feb 15;22(2):15–6, 21

Inhibition of tumor growth in a mouse fibrosarcoma after interleukin 2 application. Borberg H, et al. **Immunobiology** 1986 Sep;172(3–5):383–90

Potential uses of interleukin 2 in cancer therapy. Cheever MA, et al. **Immunobiology** 1986 Sep;172(3–5):365–82

Results of clinical trials with the administration of interleukin 2 and adoptive immunotherapy with activated cells in patients with cancer. Lotze MT, et al. **Immunobiology** 1986 Sep;172(3–5):420–37

Recombinant interleukin-2 inhibits growth of human tumor xenografts in congenitally athymic mice. Bubeník J, et al. **Immunol Lett** 1987 Apr;14(4):325–30

Suppression of pulmonary tumour metastasis in mice by recombinant human interleukin-2: role of asialo GM1-positive cells. Hinuma S, et al. **Immunology** 1987 Feb; 60(2):173–9

Prophylactic administration of interleukin-2 protects mice from lethal challenge with gram-negative bacteria. Chong KT. **Infect Immun** 1987 Mar;55(3):668–73

In vitro immunomodulatory effects of interleukin-2 and thymosin fraction V in acquired immune deficiency syndrome. Reddy MM, et al. **Int J Immunopharmacol** 1987; 9(4):483–8

Expansion of activated T-lymphocytes in patients treated with recombinant interleukin 2. Kolitz JE, et al. **J Biol Response Mod** 1987 Aug;6(4):412–29

Inhibitory effects of alloimmune T cells on the generation of cytolytic responses of lymphokine-activated killer cells. Sugarbaker PH, et al. **J Biol Response Mod** 1987 Aug; 6(4):430–45

The development of anti-interleukin-2 antibodies in patients treated with recombinant human interleukin-2 (IL-2). Allegretta M, et al. **J Clin Immunol** 1986 Nov;6(6):481–90

Administration in vivo of recombinant interleukin 2 protects mice against septic death. Weyand C, et al. **J Clin Invest** 1987 Jun;79(6):1756–63

In vivo application of recombinant interleukin 2 in the immunotherapy of established cytomegalovirus infection. Reddehase MJ, et al. **J Exp Med** 1987 Mar 1;165(3):650–6

Treatment of a murine B cell lymphoma with monoclonal antibodies and IL 2. Berinstein N, et al. **J Immunol** 1987 Aug 1;139(3):971–6

Identification of cellular mechanisms operational in vivo during the regression of established pulmonary metastases by the systemic administration of high-dose recombinant interleukin 2. Mulé JJ, et al. **J Immunol** 1987 Jul 1; 139(1):285–94

Adoptive immunotherapy of human meningeal gliomatosis and carcinomatosis with LAK cells and recombinant interleukin-2. Shimizu K, et al. **J Neurosurg** 1987 Apr; 66(4):519–21

Reduction of bladder cancer growth in mice treated with intravesical Bacillus Calmette Guerin and systemic interleukin 2. Lee KE, et al. **J Urol** 1987 Jun;137(6):1270–3

Intraluminal interleukin 2 and bacillus Calmette-Guerin for treatment of bladder cancer: a preliminary report. Merguerian PA, et al. **J Urol** 1987 Feb;137(2):216–9

Regulation by recombinant interleukin-2 of protective immunity against recurrent herpes simplex virus type 2 genital infection in guinea pigs. Weinberg A, et al. **J Virol** 1987 Jul;61(7):2120–7

Interleukin 2 therapy for disseminated cancer [letter]

JAMA 1987 Apr 3;257(13):1729–31
High–dose recombinant interleukin 2 in the treatment of patients with disseminated cancer. Responses, treatment–related morbidity, and histologic findings. Lotze MT, et al. JAMA 1986 Dec 12;256(22):3117–24
In vivo distribution of recombinant interleukin–2–activated autologous lymphocytes administered by intra–arterial infusion in patients with renal cell carcinoma. Morita T, et al. JNCI 1987 Mar;78(3):441–50
Successful treatment of chronic active Epstein–Barr virus infection with recombinant interleukin–2 [letter] Kawa–Ha K, et al. Lancet 1987 Jan 17;1(8525):154
A phase I/II trial of recombinant interleukin–2 in AIDS/ARC: alterations of phenotypes of peripheral blood mononuclear cells. Flad HD, et al. Lymphokine Res 1986; 5 Suppl 1:S171–6
Interleukin–2. Med Lett Drugs Ther 1987 Sep 25;29(749):88–9
Treatment of cancer with lymphokine–activated killer cells and interleukin–2 [letter] N Engl J Med 1987 Oct 8; 317(15):961–3
Therapeutic possibilities of virus–modified tumor cell extracts and interleukin–2 in human ovarian cancer. Lotzová E. Nat Immun Cell Growth Regul 1986;5(6):277–82
Adoptive immunotherapy of cancer with activated lymphocytes and interleukin–2. Kradin RL, et al. Pathol Immunopathol Res 1986;5(3–5):193–202 (47 ref.)
Laparotomy enhances intraperitoneal tumor growth and abrogates the antitumor effects of interleukin–2 and lymphokine–activated killer cells. Eggermont AM, et al. Surgery 1987 Jul;102(1):71–8
[Antimetastasis effect of lymphokine–activated killer (LAK) cells on fibrosarcoma in WKA rats] Wang ZH, et al. Chung Hua Chung Liu Tsa Chih 1986 Nov;8(6):421–3 (Eng. Abstr.) (Chi)
[Adoptive immunotherapy: a new therapeutic approach to cancer based on interleukin 2] Sculier JP, et al. Rev Med Brux 1987 Mar;8(3):133–9 (Eng. Abstr.) (Fre)
[Interferons, interleukin–2 and tumor necrosis factor. New approaches to cancer therapy] Oettgen HF. Arzneimittelforschung 1987 Feb;37(2A):251–5 (22 ref.) (Eng. Abstr.) (Ger)
[Manipulation in the immune system. 2 prize–winning examples: the use of cyclosporin A and interleukin 2] Mölling K. Fortschr Med 1987 Feb 20;105(5):88 (Ger)
[Antitumor action of interleukin 2 and its biological activities] Hamuro J. Gan To Kagaku Ryoho 1987 Jun;14(6 Pt 2):2111–8 (Eng. Abstr.) (Jpn)
[Adoptive immunotherapy of malignant diseases using normal allogeneic LAK cells] Kimoto Y, et al. Gan To Kagaku Ryoho 1987 Jun;14(6 Pt 1):1884–9 (Eng. Abstr.) (Jpn)
[Adoptive immunotherapy of malignant diseases with LAK cells] Kimoto Y, et al. Gan To Kagaku Ryoho 1987 Mar; 14(3 Pt 1):687–92 (Eng. Abstr.) (Jpn)
[Transfer of interleukin 2–activated lymphocytes] Kohgo Y. Gan To Kagaku Ryoho 1987 Jun;14(6 Pt 2):2127–34 (Eng. Abstr.) (Jpn)
[Lymphokine–activated killer (LAK) adoptive immunotherapy: optimal method for large–scale LAK induction] Nii A, et al. Gan To Kagaku Ryoho 1987 Jun; 14(6 Pt 1):1871–6 (Eng. Abstr.) (Jpn)
[Phase I–II study of recombinant interleukin–2] Sano T, et al. Gan To Kagaku Ryoho 1987 Mar;14(3 Pt 2):903–13 (Eng. Abstr.) (Jpn)
[Adoptive immunotherapy of cancer patients with lymphokine–activated killer cells] Taguchi T, et al. Gan To Kagaku Ryoho 1987 Mar;14(3 Pt 2):914–21 (Eng. Abstr.) (Jpn)
[Interleukin 2] Taguchi T, et al. Gan To Kagaku Ryoho 1987 May;14(5 Pt 1):1203–7 (Eng. Abstr.) (Jpn)
[Experimental studies on the treatment of recurrent gliomas] Yamada M, et al. Gan To Kagaku Ryoho 1987 Jun;14(6 Pt 1):1890–3 (Eng. Abstr.) (Jpn)
[Adoptive immunotherapy in patients with malignant glioma] Yoshida S, et al. Gan To Kagaku Ryoho 1987 Jun;14(6 Pt 1):1930–2 (Eng. Abstr.) (Jpn)
[New immunotherapy methods of cancer. III. Generation of cytotoxic lymphocytes against tumor cells in autologous mixed lymphocyte tumor cell cultures with T cell growth factor] Makidono R, et al. Nippon Igaku Hoshasen Gakkai Zasshi 1986 Sep 25; 46(9):1130–7 (Eng. Abstr.) (Jpn)
[Studies on the influence of interleukin 2 (IL–2) on antitumor effector mechanisms in patients with cervical cancer] Yamamoto K. Nippon Sanka Fujinka Gakkai Zasshi 1986 Dec;38(12):2251–8 (Eng. Abstr.) (Jpn)
[Effect of recombinant interleukin 2 on type B chronic hepatitis—a case report] Ando H, et al. Nippon Shokakibyo Gakkai Zasshi 1987 Apr;84(4):930–4 (Jpn)
[Cancer therapy with interleukin 2 and activated killer cell—a review] Jondal M, et al. Lakartidningen 1987 Apr 29; 84(18):1553–7 (Swe)

TOXICITY

The toxicity of recombinant human interleukin–2 in rats following intravenous infusion. Matory YL, et al. J Natl Med Assoc 1987 May;79(5):537–41

URINE

Detection of interleukin 2 in the urine of patients with superficial bladder tumors after treatment with intravesical BCG. Haaff EO, et al. J Urol 1986 Oct;136(4):970–4

INTERLEUKIN 3

Reproducible generation of autonomous malignant sublines from non–tumorogenic murine interleukin 3–dependent mast cell lines. Hültner L, et al. Blut 1986 Dec;53(6):451–5
Synergistic action of recombinant–derived murine interleukin–1 on the augmentation of colony stimulating activity on murine granulocyte–macrophage hematopoietic stem cells in vitro. Gallicchio VS, et al. Exp Cell Biol 1987; 55(2):83–92
A recombinant murine granulocyte/macrophage (GM) colony–stimulating factor derived from an inducer T cell line (IH5.5). Functional restriction to GM progenitor cells. Kajigaya S, et al. J Exp Med 1986 Oct 1;164(4):1102–13
Immune interferon enhances functional properties of human granulocytes: role of Fc receptors and effect of lymphotoxin, tumor necrosis factor, and granulocyte–macrophage colony–stimulating factor. Perussia B, et al. J Immunol 1987 Feb 1;138(3):765–74
Further studies on the mechanism of CFU–S determination—III. CFU–S cell lineage determination is not influenced by GM–CSF, Epo, multi–CSF nor WEHI 3B conditioned medium. Lauret E, et al. Leuk Res 1987; 11(3):303–6
In vitro modification of human immunodeficiency virus infection by granulocyte–macrophage colony–stimulating factor and gamma interferon. Hammer SM, et al. Proc Natl Acad Sci USA 1986 Nov;83(22):8734–8
The human hematopoietic colony–stimulating factors. Clark SC, et al. Science 1987 Jun 5;236(4806):1229–37 (69 ref.)
[Interleukins: the hormones of the immune system] Rozenbaum M, et al. Harefuah 1986 Dec 15;111(12):434–6 (35 ref.) (Heb)
[Nobel Prize in Medicine 1986: growth factors (editorial)] Molinas FC. Medicina (B Aires) 1987;47(1):103–6 (Spa)

ANALYSIS

The dose response of granulocyte–macrophage colony stimulating activity (GM–CSA) for sera of "Swiss" mice after endotoxin "lipopolysaccharide B" Escherichia coli (0127: B8) intraperitoneal administration. Chrostek ME, et al. Folia Haematol (Leipz) 1987;114(1):78–83
A rapid one–step multiwell tray test for release of soluble mediators. Caspi RR. J Immunol Methods 1986 Oct 23; 93(1):141–4

ANTAGONISTS & INHIBITORS

Inhibition of interleukin 3 function by a fragment of the third component of complement. Fassbender B, et al. Eur J Immunol 1987 May;17(5):695–700

BIOSYNTHESIS

Tumor necrosis factor type alpha (cachectin) stimulates mouse osteoblast–like cells (MC3T3–E1) to produce macrophage–colony stimulating activity and prostaglandin E2. Sato K, et al. Biochem Biophys Res Commun 1987 May 29;145(1):323–9
L–triiodothyronine augments erythropoietic growth factor release from peripheral blood and bone marrow leukocytes. Dainiak N, et al. Blood 1986 Dec;68(6):1289–97
Lithium augments GM–CSA generation in canine cyclic hematopoiesis. Hammond WP, et al. Blood 1987 Jan; 69(1):117–23
Modulation of cell growth, differentiation, and production of interleukin–3 by 1 alpha,25–dihydroxyvitamin D3 in the murine myelomonocytic leukemia cell line WEHI–3. Abe J, et al. Cancer Res 1986 Dec;46(12 Pt 1):6316–21
The role of L3T4+ cells in the pathogenesis of lupus in lpr–bearing mice. I. Defects in the production of interleukins 2 and 3. Santoro TJ, et al. Eur J Immunol 1987 Aug;17(8):1131–6
In vitro production of granulocyte–macrophage colony–stimulating activity by murine bone marrow and spleen following vinblastine administration in vivo. Williams DE, et al. Hematol Oncol 1987 Jan–Mar; 5(1):35–43
Effect of in vivo administration of the carcinogen benzo(a)pyrene on interleukin–2 and interleukin–3 production. Lyte M, et al. Int J Immunopharmacol 1987; 9(3):307–12
Thymosin alpha 1 enhances haemopoietic colony formation by stimulating the production of interleukin 3 in nu/nu mice. Ohta Y, et al. Int J Immunopharmacol 1986;8(7):773–9
Formation of macrophage (M) colony–stimulating factor by murine leukemia x fibroblast hybrid cells. Chow HS, et al. J Biol Response Mod 1987 Aug;6(4):446–56
Thymosin–alpha 1 increases the capability to produce interleukin–3 but not interleukin–2 in nu/nu mice. Ohta Y, et al. J Biol Response Mod 1987 Apr;6(2):181–93
Interleukin 1 stimulates granulocyte macrophage colony–stimulating activity release by vascular endothelial cells. Bagby GC Jr, et al. J Clin Invest 1986 Nov; 78(5):1316–23
Interleukin 1 induces cultured human endothelial cell production of granulocyte–macrophage colony–stimulating factor. Sieff CA, et al. J Clin Invest 1987 Jan;79(1):48–51
Production of a cytokine with interleukin 3–like properties and cytokine–dependent proliferation in human autologous mixed lymphocyte reaction. Suzuki R, et al. J Exp Med 1986 Nov 1;164(5):1682–99
Interleukin 1 stimulates human endothelial cells to produce granulocyte–macrophage colony–stimulating factor and granulocyte colony–stimulating factor. Broudy VC, et al. J Immunol 1987 Jul 15;139(2):464–8
Production of human pluripotent progenitor cell colony stimulating activity (CFU–GEMMCSA) in patients with myelodysplastic syndromes. Merchav S, et al. Leuk Res 1987;11(3):273–9
Physiopathological studies on granulocyte–macrophage colony stimulating factor and multi colony stimulating factor producing leukemia, L8313, induced by irradiation of C3H mice. Sawada H, et al. Leuk Res 1986;10(12):1461–8
Granulocyte colony stimulating activity derived from human keratinocytes. Denburg JA, et al. Lymphokine Res 1986 Fall;5(4):261–74

GENETICS

Phagocytosis and inflammatory stimuli induce GM–CSF mRNA in macrophages through posttranscriptional regulation. Thorens B, et al. Cell 1987 Feb 27;48(4):671–9
Human IL–3 (multi–CSF): identification by expression cloning of a novel hematopoietic growth factor related to murine IL–3. Yang YC, et al. Cell 1986 Oct 10;47(1):3–10
Close genetic and physical linkage between the murine haemopoietic growth factor genes GM–CSF and Multi–CSF (IL3). Barlow DP, et al. EMBO J 1987 Mar; 6(3):617–23
The chromosomal gene structure for murine granulocyte colony–stimulating factor. Tsuchiya M, et al. Eur J Biochem 1987 May 15;165(1):7–12
A sequence homology between the pX genes of HTLV–I/II and the murine IL–3 gene. Gojobori T, et al. FEBS Lett 1986 Nov 24;208(2):231–5
Characterization of a human multilineage–colony–stimulating factor cDNA clone identified by a conserved noncoding sequence in mouse interleukin–3. Dorssers L, et al. Gene 1987;55(1):115–24
Constitutive expression of the granulocyte–macrophage colony–stimulating factor gene in acute myeloblastic leukemia. Young DC, et al. J Clin Invest 1987 Jan; 79(1):100–6
Genetic mapping of the mouse interleukin 3 gene to chromosome 11. Ihle JN, et al. J Immunol 1987 May 1; 138(9):3051–4
Expression of granulocyte colony–stimulating factor by human cell lines. Devlin JJ, et al. J Leukocyte Biol 1987 Apr;41(4):302–6
Generation of an autocrine leukaemia using a retroviral expression vector carrying the interleukin–3 gene. Hapel AJ, et al. Lymphokine Res 1986 Fall;5(4):249–54
Regulation of expression of human granulocyte/macrophage colony–stimulating factor. Chan JY, et al. Proc Natl Acad Sci USA 1986 Nov;83(22):8669–73
The interleukin 3 gene is located on human chromosome 5 and is deleted in myeloid leukemias with a deletion of 5q. Le Beau MM, et al. Proc Natl Acad Sci USA 1987 Aug;84(16):5913–7

IMMUNOLOGY

CC11: a monoclonal antibody specific for interleukin 3–sensitive mouse cells defines two major populations of B cell precursors in the bone marrow. Palacios R, et al. Immunol Rev 1986 Oct;93:125–46
Correction of defective IL 3 responses of T lymphocytes from autoimmune mice. MacNeil D, et al. J Immunol 1986 Dec 1;137(11):3464–8
Antipeptide antibodies define the NH2–terminal structure of the pan–specific hemopoietin interleukin 3. Ziltener HJ, et al. J Immunol 1987 Feb 15;138(4):1105–8
Antipeptide antibodies of predetermined specificity recognize and neutralize the bioactivity of the pan–specific hemopoietin interleukin 3. Ziltener HJ, et al. J Immunol 1987 Feb 15;138(4):1099–104
Haemopoietic growth factors stimulating murine megakaryocytopoiesis: interleukin–3 is immunologically distinct from megakaryocyte–potentiator. Sparrow RL, et al. Leuk Res 1987;11(1):31–6

ISOLATION & PURIFICATION

Human granulocyte–macrophage colony–stimulating factor purified from a Hodgkin's tumor cell line. Byrne PV, et al. Biochim Biophys Acta 1986 Dec 12;874(3):266–73
Purification and properties of bacterially synthesized human granulocyte–macrophage colony stimulating factor. Burgess AW, et al. Blood 1987 Jan;69(1):43–51
Multilineage synergistic activity produced by a murine adherent marrow cell line. Quesenberry P, et al. Blood 1987 Mar;69(3):827–35
Purification and characterization of granulocyte–macrophage colony stimulating factor from human placenta. Cukrová V, et al. J Chromatogr 1987 Jan 23;413:242–6
[Characterization of a factor produced by human alloreactive T lymphocyte clones, active on the eosinophils and precursors of erythroid strains] Moreau JF, et al. C R Acad Sci [III] 1987;304(1):5–10 (Eng. Abstr.) (Fre)

METABOLISM

The expression of functional erythropoietin receptors on an

interleukin-3 dependent cell line. Sakaguchi M, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):7-12

Internalisation and recycling of the granulocyte-macrophage colony-stimulating factor (GM-CSF) receptor on a murine myelomonocytic leukemia. Walker F, et al. **J Cell Physiol** 1987 Feb;130(2):255-61

[Demonstration of synergy between the factor stimulating granulocytes and macrophages colonies and interleukin-1 for the stimulation of prostaglandin E2 synthesis by bone marrow cells] Piquet-Pellorce C, et al. **C R Acad Sci [III]** 1987;305(9):345-50 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Human recombinant multilineage colony stimulating factor (interleukin-3): stimulator of acute myelocytic leukemia progenitor cells in vitro. Delwel R, et al. **Blood** 1987 Jul; 70(1):333-6

Multilineage hematopoietic growth factor interleukin 3 and direct activators of protein kinase C stimulate phosphorylation of common substrates. Evans SW, et al. **Blood** 1986 Oct;68(4):906-13

Expression of the macrophage-specific colony-stimulating factor in human monocytes treated with granulocyte-macrophage colony-stimulating factor. Horiguchi J, et al. **Blood** 1987 Apr;69(4):1259-61

Synergism between recombinant growth factors, GM-CSF and G-CSF, acting on the blast cells of acute myeloblastic leukemia [published erratum appears in Blood 1987 Jul;70(1):339] Kelleher C, et al. **Blood** 1987 May; 69(5):1498-503

Recombinant human GM-CSF induces leukocytosis and activates peripheral blood polymorphonuclear neutrophils in nonhuman primates. Mayer P, et al. **Blood** 1987 Jul; 70(1):206-13

The effects of three recombinant growth factors, IL-3, GM-CSF, and G-CSF, on the blast cells of acute myeloblastic leukemia maintained in short-term suspension culture. Miyauchi J, et al. **Blood** 1987 Sep;70(3):657-63

Effect of human recombinant granulocyte colony-stimulating factor on hematopoietic injury in mice induced by 5-fluorouracil. Shimamura M, et al. **Blood** 1987 Jan; 69(1):353-5

Human GM-CSF primes neutrophils for enhanced oxidative metabolism in response to the major physiological chemoattractants. Weisbart RH, et al. **Blood** 1987 Jan; 69(1):18-21

The effects of purified recombinant murine interleukin-3 and/or purified natural murine CSF-1 in vivo on the proliferation of murine high- and low-proliferative potential colony-forming cells: demonstration of in vivo synergism. Williams DE, et al. **Blood** 1987 Aug;70(2):401-3

Stimulation of oxidative metabolism of granulocytes by recombinant granulocyte-macrophage-colony-stimulating-factor and a conditioned medium of a urinary bladder carcinoma cell line. Klausmann M, et al. **Blut** 1987 May;54(5):307-12

Human granulocyte colony stimulating factor. Platzer E, et al. **Blut** 1987 Mar;54(3):129-36 (33 ref.)

Characterization of recombinant human granulocyte-colony-stimulating factor produced in mouse cells. Tsuchiya M, et al. **EMBO J** 1987 Mar;6(3):611-6

The haemopoietic growth factors interleukin 3 and colony stimulating factor-1 stimulate proliferation but do not induce inositol lipid breakdown in murine bone-marrow-derived macrophages. Whetton AD, et al. **EMBO J** 1986 Dec 1;5(12):3281-6

Vanadate can replace interleukin 3 for transient growth of factor-dependent cells. Tojo A, et al. **Exp Cell Res** 1987 Jul;171(1):16-23

Human erythropoiesis in vitro and the source of burst-promoting activity in a serum-free system. Konwalinka G, et al. **Exp Hematol** 1986 Nov; 14(10):899-903

Hemopoietic responses in mice injected with purified recombinant murine GM-CSF. Metcalf D, et al. **Exp Hematol** 1987 Jan;15(1):1-9

Quantitative responsiveness of murine hemopoietic populations in vitro and in vivo to recombinant multi-CSF (IL-3). Metcalf D, et al. **Exp Hematol** 1987 Mar; 15(3):288-95

Sensitivity of murine multipotential stem cell colony (CFU-GEMM) growth to interleukin-3, erythropoietin, and hemin. Monette FC, et al. **Exp Hematol** 1987 Aug; 15(7):729-34

Patterns of acute myeloid leukemia colony growth in response to recombinant granulocyte-macrophage colony-stimulating factor (rGM-CSF). Vellenga E, et al. **Exp Hematol** 1987 Jul;15(6):652-6

The effects in vivo of purified preparations of murine macrophage colony stimulating factor-1, recombinant murine granulocyte-macrophage colony stimulating factor and natural and recombinant murine interleukin 3 without and with pretreatment of mice with purified iron-saturated human lactoferrin. Broxmeyer HE, et al. **Immunobiology** 1986 Sep;172(3-5):168-74

Hemopoietic effects of purified bacterially synthesized multi-CSF in normal and marrow-transplanted mice. Metcalf D, et al. **Immunobiology** 1986 Sep;172(3-5):158-67

Secretion of a suppressor cell-inducing factor by an interleukin 3-dependent cell line with natural cytotoxic activity. II. Range, potency, and kinetics of suppressive activity. Pope BL. **Immunobiology** 1987 Jan;174(1):107-18

Biological and biochemical characteristics of the basophil-like cell promoting activity (BaPA) and a human IL 3-like activity. Stadler BM, et al. **Immunobiology** 1986 Sep;172(3-5):225-30

Granulocyte-macrophage colony-stimulating factor enhances the production of eosinophil chemotactic lymphokine by egg-associated granulomas of Schistosoma japonicum-infected mice. Owhashi M, et al. **Infect Immun** 1987 Sep;55(9):2042-6

Recombinant murine granulocyte-macrophage (GM) colony-stimulating factor supports formation of GM and multipotential blast cell colonies in culture: comparison with the effects of interleukin-3. Koike K, et al. **J Cell Physiol** 1987 Jun;131(3):458-64

Recombinant human granulocyte-macrophage colony-stimulating factor (GM-CSF) shortens the period of neutropenia after autologous bone marrow transplantation in a primate model. Nienhuis AW, et al. **J Clin Invest** 1987 Aug;80(2):573-7

Recombinant murine granulocyte macrophage colony-stimulating factor has megakaryocyte colony-stimulating activity and augments megakaryocyte colony stimulation by interleukin 3. Robinson BE, et al. **J Clin Invest** 1987 Jun;79(6):1648-52

Stimulation of human hematopoietic colony formation by recombinant gibbon multi-colony-stimulating factor or interleukin 3. Sieff CA, et al. **J Clin Invest** 1987 Sep; 80(3):818-23

Interleukin 4 as an essential factor for in vitro clonal growth of murine connective tissue-type mast cells. Hamaguchi Y, et al. **J Exp Med** 1987 Jan 1;165(1):268-73

The differential inhibition of hemopoietic growth factor activity by cytotoxins and interferon-gamma. Barber KE, et al. **J Immunol** 1987 Aug 15;139(4):1108-12

Interleukin 3-dependent mouse mast cells express the cholera toxin-binding acidic glycosphingolipid, ganglioside GM1, and increase their histamine content in response to toxin. Katz HR, et al. **J Immunol** 1987 Sep 1;139(5):1640-6

Peritoneal macrophages exposed to purified macrophage colony-stimulating factor (M-CSF) suppress mitogen- and antigen-stimulated lymphocyte proliferation. Wing EJ, et al. **J Immunol** 1986 Nov 1;137(9):2768-73

Radiosensitivity of mouse myeloid stem cells in culture after stimulation by macrophage colony-stimulating factor. Sugavara S, et al. **J Radiat Res (Tokyo)** 1987 Mar; 28(1):126-34

Recombinant human granulocyte colony-stimulating factor induces granulocytosis in vivo. Fujisawa M, et al. **Jpn J Cancer Res** 1986 Sep;77(9):866-9

The influence in vivo of natural murine interleukin-3 on the proliferation of myeloid progenitor cells in mice recovering from sublethal dosages of cyclophosphamide. Broxmeyer HE, et al. **Leuk Res** 1987;11(2):201-5

Hormone- and tumor promoter-induced activation or membrane association of protein kinase C in intact cells. Thomas TP, et al. **Methods Enzymol** 1987;141:399-411

Abelson virus abrogation of interleukin-3 dependence in a lymphoid cell line. Mathey-Prevot B, et al. **Mol Cell Biol** 1986 Nov;6(11):4133-5

Hope for hematopoietic hormones [editorial] Nathan DG. **N Engl J Med** 1987 Sep 3;317(10):626-8

Synergistic myelopoietic actions in vivo after administration to mice of combinations of purified natural murine colony-stimulating factor 1, recombinant murine interleukin 3, and recombinant murine granulocyte/macrophage colony-stimulating factor. Broxmeyer HE, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(11):3871-5

In vivo stimulation of granulopoiesis by recombinant human granulocyte colony-stimulating factor. Cohen AM, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2484-8

Stimulation of proliferation, differentiation, and function of human cells by primate interleukin 3. Lopez AF, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2761-5

The use of allogeneic stimulation and exogenous interleukin for syngeneic tumor rejection. Sherburne CG, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):628-31

PHYSIOLOGY

Mechanisms in interleukin 3 regulated growth and differentiation. Ihle JN, et al. **Adv Exp Med Biol** 1987; 213:149-62

Immunological regulation of hematopoietic/lymphoid stem cell differentiation by interleukin 3. Ihle JN, et al. **Adv Immunol** 1986;39:1-50 (199 ref.)

Histamine-producing cell-stimulating factor (HCSF) and interleukin-3 (IL3). Dy M, et al. **Ann Inst Pasteur Immunol** 1986 Sep-Oct;137D(2):223-32 (31 ref.)

Recombinant human granulocyte colony-stimulating factor enhances superoxide release in human granulocytes stimulated by the chemotactic peptide. Kitagawa S, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1143-6

Growth factor requirements of childhood acute leukemia: establishment of GM-CSF-dependent cell lines. Lange B, et al. **Blood** 1987 Jul;70(1):192-9

Effects of recombinant human granulocyte colony-stimulating factor (G-CSF) on blast progenitors from acute myeloblastic leukaemia patients. Nara N, et al. **Br J Cancer** 1987 Jul;56(1):49-51

Ornithine decarboxylase induction and polyamine biosynthesis are required for the growth of interleukin-2- and interleukin-3-dependent cell lines. Bowlin TL, et al. **Cell Immunol** 1986 Apr 1;98(2):341-50

Expression of genes in cloned murine cell lines that can be maintained in both interleukin 2- and interleukin 3-dependent growth states. Le Gros JE, et al. **Immunol Cell Biol** 1987 Feb;65 (Pt 1):57-69

Human myeloid growth factors. Vadas MA, et al. **Immunol Cell Biol** 1987 Apr;65 (Pt 2):141-5

Chemotactic activity of human recombinant granulocyte-macrophage colony-stimulating factor. Wang JM, et al. **Immunology** 1987 Mar;60(3):439-44

Human interleukin-3-like activity, basophil and eosinophil growth promoting activities and colony stimulating factor derived from several cell lines. Tanno Y, et al. **Int Arch Allergy Appl Immunol** 1987;83(1):1-5

Granulocyte colony-stimulating factor and differentiation-induction in myeloid leukemic cells. Nicola NA. **Int J Cell Cloning** 1987 Jan;5(1):1-15 (48 ref.)

Interactions of dimethyl sulfoxide and granulocyte-macrophage colony-stimulating factors on the growth and maturation of HL-60 cells. Brennan JK, et al. **J Cell Physiol** 1987 Aug;132(2):246-54

MC3T3-G2/PA6 preadipocytes support in vitro proliferation of hemopoietic stem cells through a mechanism different from that of interleukin 3. Kodama H, et al. **J Cell Physiol** 1986 Oct;129(1):20-6

Comparative effects in vivo of recombinant murine interleukin 3, natural murine colony-stimulating factor-1, and recombinant murine granulocyte-macrophage colony-stimulating factor on myelopoiesis in mice. Broxmeyer HE, et al. **J Clin Invest** 1987 Mar;79(3):721-30

Recombinant human granulocyte-macrophage colony-stimulating factor stimulates in vitro mature human neutrophil and eosinophil function, surface receptor expression, and survival. Lopez AF, et al. **J Clin Invest** 1986 Nov;78(5):1220-8

Colony-stimulating factors regulate the development of multinucleated osteoclasts from recently replicated cells in vitro. Lorenzo JA, et al. **J Clin Invest** 1987 Jul; 80(1):160-4

Regulation of human eosinophil viability, density, and function by granulocyte/macrophage colony-stimulating factor in the presence of 3T3 fibroblasts. Owen WF Jr, et al. **J Exp Med** 1987 Jul 1;166(1):129-41

Astrocyte-derived interleukin 3 as a growth factor for microglia cells and peritoneal macrophages. Frei K, et al. **J Immunol** 1986 Dec 1;137(11):3521-7

Morphology and lytic mechanisms of interleukin 3-dependent natural cytotoxic cells: tumor necrosis factor as a possible mediator. Jadus MR, et al. **J Immunol** 1986 Nov 1;137(9):2774-83

Interleukin 3 is a major negative regulator of the generation of natural killer cells from bone marrow precursors. Kalland T. **J Immunol** 1986 Oct 1;137(7):2268-71

The induction of lymphokine synthesis and cell growth in IL 3-dependent cell lines using antigen-antibody complexes. Le Gros GS, et al. **J Immunol** 1987 Jul 15; 139(2):422-8

Interleukin 2 regulates the expression of IL 2 receptors on interleukin 3-dependent bone marrow-derived cell lines. Le Gros GS, et al. **J Immunol** 1987 Jan 15;138(2):478-83

Granulocyte-macrophage colony-stimulating factor augments the primary antibody response by enhancing the function of antigen-presenting cells. Morrissey PJ, et al. **J Immunol** 1987 Aug 15;139(4):1113-9

Establishment and characterization of an undifferentiated human T leukemia cell line which requires granulocyte-macrophage colony stimulatory factor for growth. Valtieri M, et al. **J Immunol** 1987 Jun 1; 138(11):4042-50

Effect of infection with murine recombinant retroviruses containing the v-src oncogene on interleukin 2- and interleukin 3-dependent growth states. Watson JD, et al. **J Immunol** 1987 Jul 1;139(1):123-9

Human keratinocytes and epidermoid carcinoma cell lines produce a cytokine with interleukin 3-like activity. Danner M, et al. **J Invest Dermatol** 1987 Apr;88(4):353-61

Effect of macrophage colony-stimulating factor on the function of resident peritoneal macrophages. Kanada T, et al. **J Pharmacobiodyn** 1987 May;10(5):215-9

Kinetics of responses of IL3 dependent lines to growth factors: implications for the assay and mechanism of cell promotion. Garland JM, et al. **Lymphokine Res** 1986;5 Suppl 1:S145-50

The v-fms oncogene induces factor-independent growth and transformation of the interleukin-3-dependent myeloid cell line FDC-P1. Wheeler EF, et al. **Mol Cell Biol** 1987 May; 7(5):1673-80

Compartmentalization of a haematopoietic growth factor (GM-CSF) by glycosaminoglycans in the bone marrow microenvironment. Gordon MY, et al. **Nature** 1987 Mar 26-Apr 1;326(6111):403-5

The role of interleukin-3 in the proliferation of murine mast cells in vitro. Mori M, et al. **Nippon Ketsueki Gakkai Zasshi** 1987 Feb;50(1):59-64

The Wellcome Foundation lecture, 1986. The molecular control of normal and leukaemic granulocytes and macrophages. Metcalf D. **Proc R Soc Lond [Biol]** 1987 May 22;230(1261):389-423 (131 ref.)

Biological activities of human granulocyte-macrophage colony-stimulating factor. Gasson JC, et al.

Year Immunol 1985;:118–21
Interleukin-3 regulation of the growth and differentiation of hematopoietic lymphoid stem cells. Ihle JN. **Year Immunol** 1986;2:106–33 (88 ref.)
Immunological regulation of hematopoietic stem cell differentiation by interleukin-3. Ihle JN. **Year Immunol** 1985;:107–17 (39 ref.)
[Actions and in vivo role of burst-promoting activity (BPA)] Kanamaru A. **Rinsho Ketsueki** 1986 Jul;27(7):1186–94 (Eng. Abstr.) **(Jpn)**
[The role of interleukin-3 (IL-3) in hemopoiesis] Suda T. **Rinsho Ketsueki** 1986 Jul;27(7):1166–71 (Eng. Abstr.) **(Jpn)**
[Activity of serum granulocyte-macrophage colony formation regulators in alcoholism] Swiderska JE, et al. **Przegl Lek** 1986;43(9):610–3 (Eng. Abstr.) **(Pol)**

SECRETION

Interleukin-1 (22-K factor) induces release of granulocyte-macrophage colony-stimulating activity from human mononuclear phagocytes. Fibbe WE, et al. **Blood** 1986 Dec;68(6):1316–21
Splenocytes and bone marrow cells from T-cell deficient Nu/Nu mice secrete interleukin 3 activity after stimulation in vitro. Palacios R, et al. **Cell Immunol** 1986 Jul; 100(2):532–40
Purified human transferrin and "transferrin" released from sorted T8+ lymphocytes suppress release of granulocyte-macrophage colony-stimulating factors from sorted T4+ lymphocytes stimulated by phytohemagglutinin. Lu L, et al. **Exp Hematol** 1986 Nov; 14(10):955–62
Interleukin 1 stimulates endothelial cells to release multilineage human colony-stimulating activity. Segal GM, et al. **J Immunol** 1987 Mar 15;138(6):1772–8
Myeloproliferative disorder due to abnormal production of hematopoietic stimulators. Yoshida K, et al. **Leuk Res** 1987; 11(7):621–7

THERAPEUTIC USE

Effect of recombinant human granulocyte-macrophage colony-stimulating factor on myelopoiesis in the acquired immunodeficiency syndrome. Groopman JE, et al. **N Engl J Med** 1987 Sep 3;317(10):593–8
[Colony-stimulating factor] Takaku F. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1216–23 (Eng. Abstr.) **(Jpn)**

TOXICITY

Case history of a biotechnology product: toxicological protocol, design and results. Stoll RE, et al. **Prog Clin Biol Res** 1987;235:173–82

URINE

Neuraminidase and hematopoietic factors from human urine. Shimizu T, et al. **Exp Cell Biol** 1986;54(4):225–33

INTERLIBRARY LOANS

TRENDS

A comparison of interlibrary loan requests received by the National Library of Medicine: 1959 and 1984. Lacroix EM, et al. **Bull Med Libr Assoc** 1987 Jan;75(1):7–13

INTERMEDIATE CARE FACILITIES see under **NURSING HOMES**

INTERMEDIATE FILAMENT PROTEINS

Structural studies on lamin. Similarities and differences between lamin and intermediate-filament proteins. Parry DA, et al. **Biochem J** 1986 Aug 15;238(1):305–8
Characterization of dimer subunits of intermediate filament proteins. Quinlan RA, et al. **J Mol Biol** 1986 Nov 20; 192(2):337–49

ANALYSIS

Diversity of cytokeratins in carcinomas. Moll R. **Acta Histochem [Suppl] (Jena)** 1987;34:37–44
Detection of epithelial- and neural type of intermediate filament proteins in human lung tumors. Ramaekers F, et al. **Acta Histochem [Suppl] (Jena)** 1987;34:45–56
Alzheimer dementia: a study of the senile plaque with antisera and a monoclonal antibody specific for neurofilament proteins. Ulrich J, et al. **Acta Histochem [Suppl] (Jena)** 1987; 34:115–21
An immunohistochemical study of glial and neuronal markers in primary neoplasms of the central nervous system. Royds JA, et al. **Acta Neuropathol (Berl)** 1986;70(3–4):320–6
An immunohistochemical study on the distribution of glial fibrillary acidic protein, S-100 protein, neuron-specific enolase, and neurofilament in medulloblastomas. Hayashi K, et al. **Acta Pathol Jpn** 1987 Jan;37(1):85–96
Alveolar soft part sarcoma, granular cell tumor, and paraganglioma. An immunohistochemical comparative study. Ogawa K, et al. **Acta Pathol Jpn** 1986 Jun; 36(6):895–904
Merkel cell tumor coexpressing cytokeratin and neurofilament proteins. Sadahira Y, et al. **Acta Pathol Jpn** 1987 Feb;37(2):331–7
Immunoanatomic distribution of cytostructural and tissue-associated antigens in the human urinary tract. Cordon-Cardo C, et al. **Am J Pathol** 1987 Feb; 126(2):269–84
Intermediate filament proteins and actin isoforms as markers for soft tissue tumor differentiation and origin. I. Smooth muscle tumors. Schürch W, et al. **Am J Pathol** 1987 Jul; 128(1):91–103
Application of antibodies to intermediate filament proteins as tissue-specific probes in the flow cytometric analysis of complex tumors. Ramaekers FC, et al. **Anal Quant Cytol Histol** 1986 Dec;8(4):271–80
Neuronal and glial proteins in medulloblastomas. I. Immunohistochemical study. Sawa H, et al. **Anticancer Res** 1986 Sep–Oct;6(5):905–9
Neuronal and glial proteins in medulloblastomas. II. Heterotransplantation of human medulloblastoma. Sawa H, et al. **Anticancer Res** 1986 Sep–Oct;6(5):911–5
Synaptophysin and neurofilament proteins as markers for neuroendocrine tumors. Miettinen M. **Arch Pathol Lab Med** 1987 Sep;111(9):813–8
Protein-chemical identification of the major cleavage sites of the Ca2+ proteinase on murine vimentin, the mesenchymal intermediate filament protein. Fischer S, et al. **Biol Chem Hoppe Seyler** 1986 Nov;367(11):1147–52
A monoclonal antibody to non-phosphorylated neurofilament protein marks the vulnerable cortical neurons in Alzheimer's disease. Morrison JH, et al. **Brain Res** 1987 Jul 28;416(2):331–6
Sclerosing hemangioma of the lung. Immunohistochemical demonstration of mesenchymal origin using antibodies to tissue-specific intermediate filaments. Huszar M, et al. **Cancer** 1986 Dec 1;58(11):2422–7
Subcellular compartmentalization of phosphorylated neurofilament polypeptides in neurons. Hart CE, et al. **Cell Motil Cytoskeleton** 1987;7(4):393–403
Distribution of nerve fibers immunoreactive to neurofilament protein in rat molars and periodontium. Maeda T, et al. **Cell Tissue Res** 1987 Jul;249(1):13–23
Chemical modification of charged amino acid moieties alters the electrophoretic mobilities of neurofilament subunits on SDS/polyacrylamide gels. Georges E, et al. **Eur J Biochem** 1987 Jun 1;165(2):281–7
A comparative analysis of intermediate filament proteins in bovine heart Purkinje fibres and gastric smooth muscle. Kjörell U, et al. **Eur J Cell Biol** 1987 Aug;44(1):68–78
Reactivity of a panel of neurofilament antibodies on phosphorylated and dephosphorylated neurofilaments. Shaw G, et al. **Eur J Cell Biol** 1986 Oct;42(1):1–9
Intermediate filament expression in small cell lung cancer; poor correlation to in vitro data. Berendsen HH, et al. **Eur J Respir Dis [Suppl]** 1987;149:19–27
Lamins A, B and C share an epitope with the common domain of intermediate filament proteins. Lebel S, et al. **Exp Cell Res** 1987 Apr;169(2):560–5
Location and sequence characterization of the major phosphorylation sites of the high molecular mass neurofilament proteins M and H. Geisler N, et al. **FEBS Lett** 1987 Sep 14;221(2):403–7
A non-filamentous configuration of intermediate-sized filament proteins in Drosophila Kc tissue culture cells. Walter MF, et al. **In Vitro Cell Dev Biol** 1987 Jun; 23(6):453–8
Intermediate filament proteins as tissue specific markers in normal and neoplastic testicular tissue. Feitz WF, et al. **Int J Androl** 1987 Feb;10(1):51–6
Intermediate filament proteins in classic and variant types of small cell lung carcinoma cell lines: a biochemical and immunochemical analysis using a panel of monoclonal and polyclonal antibodies. Broers JL, et al. **J Cell Sci** 1986 Jul; 83:37–60
Expression of intermediate filament proteins in normal and diseased thyroid glands. Buley ID, et al. **J Clin Pathol** 1987 Feb;40(2):136–42
Human lung tumours may coexpress different classes of intermediate filaments. Gatter KC, et al. **J Clin Pathol** 1986 Sep;39(9):950–4
A novel protein of rat epidermis. II. The acidic, histidine-rich protein as the membrane lining protein of the stratum corneum. Takahashi M, et al. **J Dermatol (Tokyo)** 1987 Feb; 14(1):33–7
Biochemical and immunocytochemical characterization and distribution of phosphorylated and nonphosphorylated subunits of neurofilaments in squid giant axon and stellate ganglion. Cohen RS, et al. **J Neurosci** 1987 Jul;7(7):2056–74
Temporal and topographic relationships between the phosphorylated and nonphosphorylated epitopes of the 200 kDa neurofilament protein during development in vitro. Foster GA, et al. **J Neurosci** 1987 Sep;7(9):2651–63
Characterization of posttranslational processing of the mammalian high-molecular-weight neurofilament protein in vivo. Oblinger MM. **J Neurosci** 1987 Aug;7(8):2510–21
Maturation of a large neurofilament protein (NF 150K) in rat postnatal development. Dahl D. **J Neurosci Res** 1987; 17(4):367–74
Characterization of epitopes shared by alpha-melanocyte-stimulating hormone (alpha-MSH) and the 150-kD neurofilament protein (NF150): relationship to neurotrophic sequences. Verhaagen J, et al. **J Neurosci Res** 1986;16(4):589–600
Intermediate filament proteins as tissue specific markers in normal and malignant urological tissues. Feitz WF, et al. **J Urol** 1986 Oct;136(4):922–31
The intermediate filament complement of the spectrum of nerve sheath neoplasms. Gould VE, et al. **Lab Invest** 1986 Oct;55(4):463–74
Expression of intermediate filament proteins in subtypes of renal cell carcinomas and in renal oncocytomas. Distinction of two classes of renal cell tumors. Pitz S, et al. **Lab Invest** 1987 Jun;56(6):642–53
Immunohistochemistry of cytoskeletal filaments in the diagnosis of soft tissue tumors. Altmannsberger M, et al. **Semin Diagn Pathol** 1986 Nov;3(4):306–16 (76 ref.)
Cytoskeletal intermediate filaments: practical applications of intermediate filament analysis. Bolen JW, et al. **Ultrastruct Pathol** 1987;11(2–3):175–89
Coexistence of cytokeratin, vimentin and neurofilament protein in human choroid plexus. An immunohistochemical study of intermediate filaments in neuroepithelial tissues. Kasper M, et al. **Virchows Arch [A]** 1986;410(3):173–7
[Intermediate filaments and significance of their immunohistochemical detection in the anatomopathological diagnosis] Bergeron C, et al. **Union Med Can** 1986 Sep; 115(9):636–40 (28 ref.) (Eng. Abstr.) **(Fre)**
[Immunohistochemical study of renal cell carcinoma. I. Immunohistochemical studies on the cell skeleton in human renal cell carcinoma with special emphasis on intermediate filaments] Iizumi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jun;77(6):878–85 (Eng. Abstr.) **(Jpn)**
[Characteristics of specific intermediate filament proteins in human brain tumors] Nedzvetskiĭ VS, et al. **Biokhimiia** 1986 Nov;51(11):1843–50 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Localization of profilaggrin mRNA in newborn rat skin by in situ hybridization. Fisher C, et al. **J Invest Dermatol** 1987 May;88(5):661–4
Posttranslational modification of neurofilament polypeptides in rabbit retina. Glicksman MA, et al. **J Neurobiol** 1987 Mar;18(2):167–96
The effects of thyroid hormone on differentiation and neurofilament expression in rat brain aggregating cultures. Woodhams PL, et al. **Neuropathol Appl Neurobiol** 1986 Nov–Dec;12(6):577–92
[Prekeratin expression of simple epithelia in the cells of long-term cultured epithelial lines of the rat liver] Troianovskiĭ SM. **Tsitologiia** 1987 Jun;29(6):727–31 (Eng. Abstr.) **(Rus)**

GENETICS

The structure of a human neurofilament gene (NF-L): a unique exon-intron organization in the intermediate filament gene family. Julien JP, et al. **Biochim Biophys Acta** 1987 Jun 6;909(1):10–20
Cloning and developmental expression of the murine neurofilament gene family. Julien JP, et al. **Brain Res** 1986 Dec;387(3):243–50
Nuclear lamins and cytoplasmic intermediate filament proteins: a growing multigene family. Franke WW. **Cell** 1987 Jan 16;48(1):3–4
The human neurofilament gene (NEFL) is located on the short arm of chromosome 8. Hurst J, et al. **Cytogenet Cell Genet** 1987;45(1):30–2
The human mid-size neurofilament subunit: a repeated protein sequence and the relationship of its gene to the intermediate filament gene family. Myers MW, et al. **EMBO J** 1987 Jun;6(6):1617–26
Structure and evolutionary origin of the gene encoding mouse NF-M, the middle-molecular-mass neurofilament protein. Levy E, et al. **Eur J Biochem** 1987 Jul 1;166(1):71–7
Isolation of a cDNA for the rat heavy neurofilament polypeptide (NF-H). Robinson PA, et al. **FEBS Lett** 1986 Dec 15;209(2):203–5
Transmitter release from presynaptic terminals of electric organ: inhibition by the calcium channel antagonist omega Conus toxin. Yeager RE, et al. **J Neurosci** 1987 Aug; 7(8):2390–6
Anomalous placement of introns in a member of the intermediate filament multigene family: an evolutionary conundrum. Lewis SA, et al. **Mol Cell Biol** 1986 May; 6(5):1529–34
A labile inhibitor blocks endo A gene transcription in murine undifferentiated embryonal carcinoma cells. Crémisi C, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6105–16
Neurofilament gene expression: a major determinant of axonal caliber. Hoffman PN, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3472–6

IMMUNOLOGY

Ballooned neurons in select neurodegenerative diseases contain phosphorylated neurofilament epitopes. Dickson DW, et al. **Acta Neuropathol (Berl)** 1986;71(3–4):216–23
Occurrence of autoantibodies to intermediate filament proteins in human visceral leishmaniasis and their induction by experimental polyclonal B-cell activation. Böhme MW, et al. **Immunology** 1986 Dec;59(4):583–8
Cross-reactivity of antibodies specific for flagellar tektin and intermediate filament subunits. Chang XJ, et al. **J Cell Biol** 1987 Jun;104(6):1563–8
Antibodies to neurofilament protein in retinitis pigmentosa.

Galbraith GM, et al. **J Clin Invest** 1986 Oct;78(4):865–9
Immune response to intermediate filament–associated, Epstein–Barr virus–induced early antigen. Sairenji T, et al. **J Immunol** 1987 Apr 15;138(8):2645–52
Characterization of two monoclonal antibodies to human epidermal keratohyalin: reactivity with filaggrin and related proteins. Dale BA, et al. **J Invest Dermatol** 1987 Mar;88(3):306–13
Anti–neurofilament protein antibodies in opsoclonus–myoclonus. Noetzel MJ, et al. **J Neuroimmunol** 1987 Jun;15(2):137–45
Alzheimer's disease, microtubule and neurofilament proteins, and axoplasmic flow [letter] Iqbal K, et al. **Lancet** 1987 Jan 10;1(8524):102
Immunological classification of a pike lymphoma. Thompson JS, et al. **Vet Immunol Immunopathol** 1986 Jun; 12(1–4):421–30
[Immunohistochemical research on human breast tumors using monoclonal antibodies to intermediate filament proteins. Cancer of the breast] Gel'shtein VI, et al. **Arkh Patol** 1986;48(8):14–22 (Eng. Abstr.) **(Rus)**
[Immunomorphological research on human breast tumors using monoclonal antibodies to intermediate filament proteins. The proliferative epithelial structures in fibrocystic disease (dysplasia) and benign tumors] Gel'shtein VI, et al. **Arkh Patol** 1986;48(8):7–14 (Eng. Abstr.) **(Rus)**
[Unmasking of one of the prekeratin antigenic determinants with molecular weight of 40 kD in the developing epithelium of the rat lung] Troianovskiĭ SM, et al. **Dokl Akad Nauk SSSR** 1987;292(4):1000–2 **(Rus)**

ISOLATION & PURIFICATION

Biochemical and immunological studies of bovine and porcine neurofilament triplet proteins by peptide mapping after cyanogen bromide cleavage. Mahboub S, et al. **Comp Biochem Physiol [B]** 1986;85(2):299–306
Cytoplasmic intermediate filament proteins and the nuclear lamins A, B and C share the IFA epitope. Osborn M, et al. **Exp Cell Res** 1987 May;170(1):195–203
Purification of neurofilaments and their constituent polypeptides. Liem RK. **Methods Enzymol** 1986;134:380–8
Isolation of intermediate filaments from neuronal tissues by cycles of assembly/disassembly. Zackroff RV. **Methods Enzymol** 1986;134:371–9

METABOLISM

Phosphorylation of neurofilaments is altered in aluminium intoxication. Bizzi A, et al. **Acta Neuropathol (Berl)** 1986; 71(1–2):154–8
Alzheimer dementia and Pick's disease: neurofibrillary tangles and Pick bodies are associated with identical phosphorylated neurofilament epitopes. Ulrich J, et al. **Acta Neuropathol (Berl)** 1987;73(3):240–6
Distribution of intermediate filament proteins in normal and diseased human glomeruli. Stamenkovic I, et al. **Am J Pathol** 1986 Dec;125(3):465–75
A rapidly dividing human medulloblastoma cell line (D283 MED) expresses all three neurofilament subunits. Trojanowski JQ, et al. **Am J Pathol** 1987 Feb;126(2):358–63
Intermediate filament protein as a marker of uterine stromal cell decidualization. Glasser SR, et al. **Biol Reprod** 1986 Sep;35(2):463–74
A monoclonal antibody labels type II neurons of the spiral ganglion. Berglund AM, et al. **Brain Res** 1986 Sep 24; 383(1–2):327–32
Non–phosphorylated and phospho.ylated neurofilaments in hypothyroid rat cerebellum. Bignami A, et al. **Brain Res** 1987 Apr 14;409(1):143–5
Astrocytic reactivity and intermediate filament metabolism in experimental autoimmune encephalomyelitis: the effect of suppression with prazosin. Goldmuntz EA, et al. **Brain Res** 1986 Nov 5;397(1):16–26
Suppression of neurofilament degradation by protease inhibitors in experimental spinal cord injury. Iwasaki Y, et al. **Brain Res** 1987 Mar 17;406(1–2):99–104
The cytoskeleton of the human cerebellar cortex: an immunohistochemical study of normal and pathological material. Shiurba RA, et al. **Brain Res** 1987 Mar 31; 407(2):205–11
Intermediate filament proteins in human sperm heads. Ochs D, et al. **Exp Cell Res** 1986 Dec;167(2):495–504
Abdominal aortic aneurysms: distribution of elastin, collagen I and III, and intermediate filament proteins desmin and vimentin—a comparison of familial and nonfamilial aneurysms. Thornell LE, et al. **Heart Vessels** 1986; 2(3):172–83
Cross reactive identification of types 1 and 2C fibers in human skeletal muscles with monoclonal anti–neurofilament (200 kd) antibody. Nakamura T, et al. **Histochemistry** 1987; 87(1):39–45
Peripherin. A rim–specific membrane protein of rod outer segment discs. Molday RS, et al. **Invest Ophthalmol Vis Sci** 1987 Jan;28(1):50–61
Plectin and IFAP–300K are homologous proteins binding to microtubule–associated proteins 1 and 2 and to the 240–kilodalton subunit of spectrin. Herrmann H, et al. **J Biol Chem** 1987 Jan 25;262(3):1320–5
Expression of new proteins of the intermediate filament protein family in differentiating F9 embryonal carcinoma cell cytoskeleton. Lampron C, et al. **J Biol Chem** 1987 Apr 5;262(10):4893–8
Nerve growth factor enhances the synthesis, phosphorylation, and metabolic stability of neurofilament proteins in PC12 cells. Lindenbaum MH, et al. **J Biol Chem** 1987 Jan 15;262(2):605–10
Binding of microtubule–associated protein 2 and tau to the intermediate filament reassembled from neurofilament 70–kDa subunit protein. Its regulation by calmodulin. Miyata Y, et al. **J Biol Chem** 1986 Oct 5;261(28):13026–30
Differential turnover of phosphate groups on neurofilament subunits in mammalian neurons in vivo. Nixon RA, et al. **J Biol Chem** 1986 Dec 15;261(35):16298–301
Nearest neighbor analysis for brain synapsin I. Evidence from in vitro reassociation assays for association with membrane protein(s) and the Mr = 68,000 neurofilament subunit. Steiner JP, et al. **J Biol Chem** 1987 Jan 15;262(2):905–14
Co–expression of cytokeratins and neurofilament proteins in a permanent cell line: cultured rat PC12 cells combine neuronal and epithelial features. Franke WW, et al. **J Cell Biol** 1986 Nov;103(5):1933–43
The appearance and distribution of intermediate filament proteins during differentiation of the central nervous system, skin and notochord of Xenopus laevis. Godsave SF, et al. **J Embryol Exp Morphol** 1986 Sep;97:201–23
Exposure to 12–O–tetradecanoylphorbol–13–acetate (TPA) induces the synthesis of histidine–rich protein (filaggrin) in monolayer cultures of rat keratinocytes. Kim HJ, et al. **J Invest Dermatol** 1987 May;88(5):624–9
Alterations in the metabolism of filaggrin in the skin after chemical– and ultraviolet–induced erythema. Scott IR. **J Invest Dermatol** 1986 Oct;87(4):460–5
Varying degrees of phosphorylation determine microheterogeneity of the heavy neurofilament polypeptide (Nf–H). Goldstein ME, et al. **J Neuroimmunol** 1987 Mar; 14(2):135–48
Phosphorylation protects neurofilaments against proteolysis. Goldstein ME, et al. **J Neuroimmunol** 1987 Mar; 14(2):149–60
Distribution of neurofilament antigens after axonal injury. Rosenfeld J, et al. **J Neuropathol Exp Neurol** 1987 May; 46(3):269–82
Phosphorylation of neurofilament proteins and chromatolysis following transection of rat sciatic nerve. Goldstein ME, et al. **J Neurosci** 1987 May;7(5):1586–94
Posttranslational modification of neurofilament proteins by phosphate during axoplasmic transport in retinal ganglion cell neurons. Nixon RA, et al. **J Neurosci** 1987 Apr; 7(4):1145–58
Orbital rhabdomyosarcoma: case report with immunohistochemical detection of muscle cell type intermediate filament proteins. Hirashima S, et al. **Jpn J Ophthalmol** 1986;30(4):461–71
Altered structural proteins in plaques and tangles: what do they tell us about the biology of Alzheimer's disease? Selkoe DJ. **Neurobiol Aging** 1986 Nov–Dec;7(6):425–32 (96 ref.)
2,5–Hexanedione neuropathy is associated with the covalent crosslinking of neurofilament proteins. Carden MJ, et al. **Neurochem Pathol** 1986 Aug;5(1):25–35
The breakdown of the individual neurofilament proteins by cathepsin D. Banay–Schwartz M, et al. **Neurochem Res** 1987 Apr;12(4):361–7
Neurons and glia in purified retinal cultures identified by monoclonal antibodies to intermediate filaments. Hyndman AG, et al. **Neurosci Lett** 1987 Mar 31;75(2):121–6
Intermediate–filament expression in thyroid gland carcinomas. Schröder S, et al. **Virchows Arch [A]** 1986; 409(6):751–66
Interaction in vitro of non–epithelial intermediate filament proteins with histones. Traub P, et al. **Z Naturforsch [C]** 1987 Jan–Feb;42(1–2):47–63

PHYSIOLOGY

Intermediate filaments: conformity and diversity of expression and structure. Steinert PM, et al. **Annu Rev Cell Biol** 1985;1:41–65 (78 ref.)
Filaggrin. Ford MJ. **Int J Dermatol** 1986 Nov;25(9):547–51 (21 ref.)
Neurofilament proteins and human nervous system tumors. Trojanowski JQ. **J Histochem Cytochem** 1987 Sep; 35(9):999–1003

INTERMEDIATE FILAMENTS see under **CYTOSKELETON**

INTERMEDINS see **MSH**

INTERMETATARSAL JOINT see **TARSAL JOINT**

INTERMITTENT CLAUDICATION

BLOOD

Transcutaneous oxygen tension during exercise in patients with claudication [letter] Provan JL, et al. **Br Med J [Clin Res]** 1986 Sep 6;293(6547):629

COMPLICATIONS

Cessation of smoking in patients with intermittent claudication. Effects on the risk of peripheral vascular complications, myocardial infarction and mortality. Jonason T, et al. **Acta Med Scand** 1987;221(3):253–60
Placebo–controlled comparison of captopril, atenolol, labetalol, and pindolol in hypertension complicated by intermittent claudication. Roberts DH, et al. **Lancet** 1987 Sep 19;2(8560):650–3
Captopril in the treatment of hypertension associated with claudication. Libretti A, et al. **Postgrad Med J** 1986;62 Suppl 1:34–7

DIAGNOSIS

Peripheral arterial disease—natural outcome. Lassila R, et al. **Acta Med Scand** 1986;220(4):295–301
Claudication as a rare symptom of recurrent cervical carcinoma. Hopkins MP, et al. **Am Surg** 1987 Sep; 53(9):532–3
Treadmill testing in the assessment of peripheral arterial disease. Laing S, et al. **Int Angiol** 1986 Oct–Dec;5(4):249–52
Intermittent claudication as a prognostic marker in carotid surgery [letter] Bass A, et al. **J Vasc Surg** 1987 Jun;5(6):893
Evaluation of postischemic hyperemia on the skin using laser Doppler velocimetry: study on patients with claudicatio intermittens. del Guercio R, et al. **Microvasc Res** 1986 Nov; 32(3):289–99
[Phosphorus–31 NMR spectrometry of the calf muscles in patients with arterial claudication. Preliminary results] Le Bas JF, et al. **J Mal Vasc** 1987;12(1):70–7 (Eng. Abstr.) **(Fre)**
[Intermittent venous claudication: a rarely diagnosed walking disability] Brülisauer M, et al. **Schweiz Med Wochenschr** 1987 Jan 24;117(4):123–6 (Eng. Abstr.) **(Ger)**
[Intermittent claudication of the calf] Pfyffer M, et al. **Schweiz Rundsch Med Prax** 1987 Jun 9;76(24):710–3 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Hemorheology and therapy of vascular disease. Savitsky JP. **Am Pharm** 1986 Aug;NS26(8):38–40
Influence of pentoxifylline on muscle tissue oxygen tension (pO2) of patients with intermittent claudication before and after pedal ergometer exercise. Ehrly AM, et al. **Angiology** 1987 Feb;38(2 Pt 1):93–100
Ketanserin in intermittent claudication: effect on walking distance, blood pressure, and cardiovascular complications. Thulesius O, et al. **J Cardiovasc Pharmacol** 1987 Jun; 9(6):728–33
On the assessment of the efficacy of pentoxifylline (Trental). Rössner M, et al. **J Med Clin Exp Theor** 1987;18(1):1–15
Treatment of claudication with pentoxifylline: are benefits related to improvement in viscosity? Johnson WC, et al. **J Vasc Surg** 1987 Sep;6(3):211–6
Pentoxifylline and vascular disease. Spittell JA Jr. **Ration Drug Ther** 1986 Nov;20(11):4–6
Lack of effect of a 24–hour infusion of iloprost in intermittent claudication. Hay CR, et al. **Thromb Res** 1987 Apr 15; 46(2):317–24
Clinical and haemorheological efficacy of i.a. PGE1 infusions in intermittent claudication. Blume J, et al. **Vasa [Suppl]** 1987;17:32–5
Intermittent intra–arterial prostaglandin E1 therapy of severe claudication. Creutzig A, et al. **Vasa [Suppl]** 1987;17:44–6
Intra–arterial perfusion with prostaglandin E1 in patients with intermittent claudication. Rudofsky G, et al. **Vasa [Suppl]** 1987;17:47–51
[Intermittent claudication (letter)] **Ned Tijdschr Geneeskd** 1986 Nov 15;130(46):2096 **(Dut)**
[Effect of Ginkgo biloba extract in arterial occlusive disease. Randomized placebo controlled crossover study] Rudofsky G. **Fortschr Med** 1987 Jul 10;105(20):397–400 (Eng. Abstr.) **(Ger)**
[Xanthinic derivatives in the treatment of intermittent claudication syndrome in diabetic patients (letter)] Gómez Reyes D, et al. **Rev Clin Esp** 1986 Jul;179(3):162 **(Spa)**

ECONOMICS

[The social consequences of intermittent claudication] Jensen KH, et al. **Ugeskr Laeger** 1986 Oct 13;148(42):2715–7 (Eng. Abstr.) **(Dan)**

ETIOLOGY

Angina pectoris, intermittent claudication and congestive heart failure in middle–aged male hypertensives. Development and predictive factors during long–term antihypertensive care. The Primary Preventive Trial, Göteborg, Sweden. Samuelsson O, et al. **Acta Med Scand** 1987;221(1):23–32
Differentiation of vascular and neurogenic claudication. Stanton PE Jr, et al. **Am Surg** 1987 Feb;53(2):71–6
Ergotism presenting as restenosis following angioplasty. Keigley B, et al. **Cardiovasc Intervent Radiol** 1987; 10(1):21–3
Pseudoclaudication in lumbar disc protrusions. Contribution in understanding the etio–pathogenetic factors of the syndrome and surgical results in eight cases. Gessini L, et al. **J Neurosurg Sci** 1985 Oct–Dec;29(4):317–22
Spinal intermittent claudication due to anemia [letter] Miyai I, et al. **Neurology** 1986 Dec;36(12):1623
[Popliteal artery entrapment syndrome] Van Ruyssevelt P, et al. **Acta Chir Belg** 1986 Sep–Oct;86(5):283–8 (Eng. Abstr.) **(Fre)**

METABOLISM

Patterns of oxygen consumption during exercise testing in peripheral vascular disease. Eldridge JE, et al. **Cardiology** 1987;74(3):236–40

Insulin sensitivity in patients with arterial insufficiency. Re-evaluation with the multilevel glucose clamp technique. Lundgren F, et al. **Clin Physiol** 1987 Jun;7(3):197–207

Muscle metabolism in patients with peripheral vascular disease investigated by 31P nuclear magnetic resonance spectroscopy. Hands LJ, et al. **Clin Sci** 1986 Sep; 71(3):283–90

MORTALITY

Intermittent claudication: not so benign. Coffman JD. **Am Heart J** 1986 Nov;112(5):1127–8

Fate in intermittent claudication: outcome and risk factors. Jelnes R, et al. **Br Med J [Clin Res]** 1986 Nov 1; 293(6555):1137–40

PATHOLOGY

Abnormal muscle mitochondria in ischemic claudication. Marbini A, et al. **Acta Neurol Belg** 1986 Nov–Dec; 86(5):304–10

Intermittent claudication and muscle fiber fine structure: morphometric data on mitochondrial volumes. Angquist KA, et al. **Ultrastruct Pathol** 1980 Oct–Dec;1(4):461–70

PHYSIOPATHOLOGY

Transcutaneous oxygen tension response to exercise in health and in occlusive arterial disease. Christensen KS, et al. **Acta Chir Scand** 1986 Nov;152:657–60

Changes in peripheral blood pressures after five years of follow-up in non-operated patients with intermittent claudication. Jonason T, et al. **Acta Med Scand** 1986; 220(2):127–32

Placebo-controlled trial of ketanserin in the treatment of intermittent claudication. Cameron HA, et al. **Angiology** 1987 Jul;38(7):549–55

The oral glucose tolerance test in men under 55 years of age with intermittent claudication. Hanson M, et al. **Angiology** 1987 Jun;38(6):469–73

A reliable and readily available method of measuring limb blood flow in intermittent claudication. Wilkinson D, et al. **Br J Surg** 1987 Jun;74(6):516–9

Effect of training on the post-exercise ankle blood pressure reaction in patients with intermittent claudication. Jonason T, et al. **Clin Physiol** 1987 Feb;7(1):63–9

[Behavior of oxygen pressure in muscle (pO2) in healthy subjects and in patients with intermittent claudication following standardized foot ergometric exercise] Ehrly AM, et al. **Vasa [Suppl]** 1986;14:1–48 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Psychological meaning of illness and coping with disease. Keltikangas-Järvinen L. **Psychother Psychosom** 1986; 45(2):84–90

RADIONUCLIDE IMAGING

Subcutaneous adipose tissue blood flow in the forefoot during 24 hours. Labeling pattern and reproducibility. Jelnes R, et al. **Scand J Clin Lab Invest** 1987 May;47(3):223–7

REHABILITATION

Prediction of the effect of training on the walking tolerance in patients with intermittent claudication. Jonason T, et al. **Scand J Rehabil Med** 1987;19(2):47–50

Personality factors as predictors of compliance with and the outcome of supervised self-care program for patients with intermittent claudication. Keltikangas-Järvinen L, et al. **Scand J Rehabil Med** 1987;19(1):1–6

Personality factors in intermittent claudication related to the outcome of self-care program. Keltikangas-Järvinen L, et al. **Scand J Rehabil Med** 1987;19(1):7–11

SURGERY

Options in the management of claudication. Charlesworth D. **Br J Hosp Med** 1986 Nov;36(5):361–3

Intermittent claudication [letter] Marston A. **Br J Hosp Med** 1987 Mar;37(3):270

[The importance of lumbar sympathectomy in the treatment of peripheral arterial diseases of the lower extremities] Solaković E. **Acta Chir Iugosl** 1986;33(1):75–82 (Eng. Abstr.) **(Ser)**

THERAPY

Angioplasty for intermittent claudication [editorial] Campbell WB. **Br Med J [Clin Res]** 1986 Oct 25;293(6554):1047–8

Placebo-controlled, double-blind study of haemodilution in peripheral arterial disease. Ernst E, et al. **Lancet** 1987 Jun 27;1(8548):1449–51

[The effect of natural medicine and vacuum therapy (Vacusac) in patients with stable intermittent claudication] Himmelstrup H, et al. **Ugeskr Laeger** 1987 Mar 23; 149(13):845–8 (Eng. Abstr.) **(Dan)**

[The treatment of patients with intermittent claudication using walking exercises (letter)] Donkerlo TW. **Ned Tijdschr Geneeskd** 1987 Jan 3;131(1):30–1 **(Dut)**

[The treatment of patients with intermittent claudication with walking exercises (letter)] Lawson JA, et al. **Ned Tijdschr Geneeskd** 1986 Oct 11;130(41):1854–5 **(Dut)**

[Intermittent claudication] van Andel GJ. **Ned Tijdschr Geneeskd** 1986 Dec 20;130(51):2317–8 **(Dut)**

[Behavior of tissue oxygen pressure and flow properties of blood in patients with intermittent claudication following infusion of 500 ml of a 6% hydroxyethyl starch solution in comparison to physiologic saline solution] Ehrly AM, et al. **Vasa** 1987;16(2):103–13 (Eng. Abstr.) **(Ger)**

INTERMITTENT POSITIVE PRESSURE BREATHING
see under **POSITIVE PRESSURE RESPIRATION**

INTERMITTENT POSITIVE PRESSURE VENTILATION
see under **POSITIVE PRESSURE RESPIRATION**

INTERNAL-EXTERNAL CONTROL

The effect of daily Hassles of humoral immunity: an interaction moderated by locus of control. Kubitz KA, et al. **Biofeedback Self Regul** 1986 Jun;11(2):115–23

Uncontrollable events and alcohol drinking. Volpicelli JR. **Br J Addict** 1987 Apr;82(4):381–92 (97 ref.)

Locus of control and clients' expectations of psychotherapeutic outcome. Foon AE. **Br J Clin Psychol** 1986 Sep;25 (Pt 3):161–71

Review: locus of control as a predictor of outcome of psychotherapy. Foon AE. **Br J Med Psychol** 1987 Jun;60 (Pt 2):99–107 (42 ref.)

Psychological vulnerability to alcoholism: studies in internal scanning deficit. Heilbrun AB Jr, et al. **Br J Med Psychol** 1986 Sep;59 (Pt 3):237–44

Locus of control in short and long sleepers. Kumar A, et al. **Br J Psychiatry** 1986 Jun;148:739–40

Attributional style and learned helplessness: relationship to the use of causal schemata and depressive symptoms in children. Fincham FD, et al. **Br J Soc Psychol** 1987 Mar; 26 (Pt 1):1–7

Social cognition in parents: inferential and affective reactions to children of three age levels. Dix T, et al. **Child Dev** 1986 Aug;57(4):879–94

Gender and control among spouses of the cognitively impaired: a research note. Miller B. **Gerontologist** 1987 Aug;27(4):447–53

The effect of control enhancing interventions on the well-being of elderly individuals living in retirement communities. Slivinske LR, et al. **Gerontologist** 1987 Apr; 27(2):176–81

Susceptibility to peer pressure, self-esteem, and health locus of control as correlates of adolescent substance abuse. Dielman TE, et al. **Health Educ Q** 1987 Summer; 14(2):207–21

Attributional styles of alcoholics. Dowd ET, et al. **Int J Addict** 1986 Apr–May;21(4–5):589–93

"Locus of control" as a therapeutic facet [editorial] Einstein S. **Int J Addict** 1986 Dec;21(12):1247–8

Personal control, social responsibility, and image of person and self among the Bimin-Kuskusmin of Papua New Guinea. Poole FJ. **Int J Law Psychiatry** 1986;9(3):295–319

Internalization, separation-individuation, and the nature of therapeutic action. Blatt SJ, et al. **Int J Psychoanal** 1987; 68 (Pt 2):279–97

Issues of control in the general hospital surgical setting. Eisendrath SJ. **Int J Psychosom** 1987;34(1):3–5

Locus of control and achievement in child psychiatric inpatients. Blount RL, et al. **J Abnorm Child Psychol** 1987 Jun;15(2):175–9

Control-related beliefs and depression among clinic-referred children and adolescents. Weisz Jr, et al. **J Abnorm Psychol** 1987 Feb;96(1):58–63

Internality and externality as correlates of involvement in fatal driving accidents. Montag I, et al. **J Appl Psychol** 1987 Aug;72(3):339–43

Do smoking prevention programs really work? Attrition and the internal and external validity of an evaluation of a refusal skills training program. Biglan A, et al. **J Behav Med** 1987 Apr;10(2):159–71

Self-efficacy and the control of anxious cognitions. Kent G, et al. **J Behav Ther Exp Psychiatry** 1987 Mar;18(1):33–40

The relationship between the multidimensional health locus of control and the performance of subjects on a preventive periodontal programme. Galgut PN, et al. **J Clin Periodontol** 1987 Mar;14(3):171–5

Abstinence violation effect: validation of an attributional construct with smoking cessation. Curry S, et al. **J Consult Clin Psychol** 1987 Apr;55(2):145–9

Fetal health locus of control scale: development and validation. Labs SM, et al. **J Consult Clin Psychol** 1986 Dec;54(6):814–9

Contingency and control beliefs as predictors of psychotherapy outcomes among children and adolescents. Weisz JR. **J Consult Clin Psychol** 1986 Dec;54(6):789–95

Locus of control in foster and nonfoster children. Wiehe VR. **J Genet Psychol** 1987 Jun;148(2):183–7

Locus of control and retirement preparation. Abel BJ, et al. **J Gerontol** 1987 Mar;42(2):165–7

Age differences in the relation between controllability and coping. Blanchard-Fields F, et al. **J Gerontol** 1987 Sep; 42(5):497–501

Concern with appearance, health beliefs, and eating habits. Hayes D, et al. **J Health Soc Behav** 1987 Jun;28(2):120–30

Gender and marital status differences in control and distress: common stress versus unique stress explanations. Thoits PA. **J Health Soc Behav** 1987 Mar;28(1):7–22

Stress, control beliefs, and psychological distress: the problem of response bias. Krause N. **J Human Stress** 1985 Spring; 11(1):11–9

A comparison of locus of control between men and women in an internal medicine residency. Crowson TW, et al. **J Med Educ** 1986 Oct;61(10):840–1

Chronic disease: effect on health cognition and health locus of control. Carraccio CL, et al. **J Pediatr** 1987 Jun; 110(6):982–7

Locus of control as predictor of compliance and outcome in treatment of encopresis. Rappaport L, et al. **J Pediatr** 1986 Dec;109(6):1061–4

Control-related coping strategies in pediatric oncology patients. Worchel FF, et al. **J Pediatr Psychol** 1987 Mar; 12(1):25–38

Appraisals of control and predictability in adapting to a chronic disease. Affleck G, et al. **J Pers Soc Psychol** 1987 Aug;53(2):273–9

Attributional responses of anxious individuals to different patterns of social feedback: nothing succeeds like improvement. Alden L. **J Pers Soc Psychol** 1987 Jan; 52(1):100–6

Sentencing goals, causal attributions, ideology, and personality. Carroll JS, et al. **J Pers Soc Psychol** 1987 Jan; 52(1):107–18

Enhancing the prediction of self-handicapping. Harris RN, et al. **J Pers Soc Psychol** 1986 Dec;51(6):1191–9

Attributional processes in the learned helplessness paradigm: behavioral effects of global attributions. Mikulincer M. **J Pers Soc Psychol** 1986 Dec;51(6):1248–56

Life events and substance use among adolescents: mediating effects of perceived loss of control and meaninglessness in life. Newcomb MD, et al. **J Pers Soc Psychol** 1986 Sep; 51(3):564–77

Depression, self-esteem, and the absence of self-protective attributional biases. Tennen H, et al. **J Pers Soc Psychol** 1987 Jan;52(1):72–80

The relationship between diabetic control and individual and family characteristics. Evans CL, et al. **J Psychosom Res** 1987;31(3):367–74

The relationship between locus of control and self-reported psychopathology. Hale WD, et al. **J Soc Psychol** 1987 Feb; 127(1):31–7

Determining the relationship of autonomy to self-care agency or locus of control in school-age children. Moore JB. **Matern Child Nurs J** 1987 Spring;16(1):47–60

Anxiety, locus of control, and satisfaction in patients undergoing ambulatory surgery. Jennings BM, et al. **Milit Med** 1987 Apr;152(4):206–8

Dimensions of client control. Dennis KE. **Nurs Res** 1987 May-Jun;36(3):151–6

Internal versus external references with respect to perception of stimuli on the body surface. Cohen A, et al. **Percept Mot Skills** 1986 Dec;63(3):1039–46

Anxiety, locus of control and appraisal of air pollution. Navarro PL, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 1):811–4

Patient instruction and locus of control: an application of the aptitude x treatment interaction approach. Holloway RL, et al. **Proc Annu Conf Res Med Educ** 1984;23:91–6

Control theory interpretation of psychological mechanisms of depression: comparison and integration of several theories. Hyland ME. **Psychol Bull** 1987 Jul;102(1):109–21

Enhancing internal locus of control beliefs through group counselling: effects upon children's reading performance. Charlton T, et al. **Psychol Rep** 1987 Jun;60(3 Pt 1):928–30

Locus of control in children with epilepsy. Correa S. **Psychol Rep** 1987 Feb;60(1):9–10

Cognitive correlates of obesity in a nonclinical population. Davis JM, et al. **Psychol Rep** 1987 Jun;60(3 Pt 2):1151–6

Multidimensional health locus of control of pregnant women who smoke. Desmond SM, et al. **Psychol Rep** 1987 Feb; 60(1):191–4

Type A behavior and situation-specific perceptions of control. Dyck DG, et al. **Psychol Rep** 1987 Jun;60(3 Pt 1):991–9

Alcohol and the acceptance of social influence: a preliminary study. Gustafson R. **Psychol Rep** 1987 Apr;60(2):488–90

Locus of control of advantaged and disadvantaged adolescents. Kumar A, et al. **Psychol Rep** 1986 Oct;59(2 Pt 2):933–4

Reliability of a multidimensional locus of control construct for older adults anticipating transitions in careers. Prichard KK, et al. **Psychol Rep** 1986 Oct;59(2 Pt 2):1007–12

Locus of Control and AIDS information-seeking in college women. Trice AD, et al. **Psychol Rep** 1987 Apr;60(2):665–6

Factor analysis of internal and external self-control practices for alcohol consumption. Werch CE, et al. **Psychol Rep** 1986 Dec;59(3):1207–13

Development of a Depression Locus of Control Scale. Whitman L, et al. **Psychol Rep** 1987 Apr;60(2):583–9

Impulsivity, locus of control and education. Wiehe VR. **Psychol Rep** 1987 Jun;60(3 Pt 2):1273–4

Personal control and coping effectiveness in spinal cord injured persons. Ferington FE. **Res Nurs Health** 1986 Sep; 9(3):257–65

Locus of control among alcoholics, recovering alcoholics,

and non-alcoholics. Huckstadt A. **Res Nurs Health** 1987 Feb;10(1):23–8

Patient participation in alternative perinatal care: impact on satisfaction and health locus of control. Littlefield VM, et al. **Res Nurs Health** 1987 Jun;10(3):139–48

The derivation and validation of six Multidimensional Health Locus of Control Scale clusters. Rock DL, et al. **Res Nurs Health** 1987 Jun;10(3):185–95

Health locus of control and preventive health behavior. Zindler-Wernet P, et al. **West J Nurs Res** 1987 May; 9(2):160–79

[Importance and control experience as determinants of state orientation] Stiensmeier J. **Arch Psychol (Frankf)** 1986; 138(2):127–38 (Eng. Abstr.) **(Ger)**

INTERNAL MAMMARY ARTERY IMPLANTATION see under **MYOCARDIAL REVASCULARIZATION**

INTERNAL MAMMARY-CORONARY ARTERY ANASTOMOSIS see under **MYOCARDIAL REVASCULARIZATION**

INTERNAL MEDICINE

Autonomy or paternalism—a problem-solving dichotomy for the internist? [editorial] Riis P. **Acta Med Scand** 1987; 221(4):321–2

Changing patterns of disease on an inpatient medical service: 1961–1962 to 1981–1982. Steiner JF, et al. **Am J Med** 1987 Aug;83(2):331–5

Satisfaction with practices: emergency physicians versus internists. Murphy JG, et al. **Ann Emerg Med** 1987 Mar; 16(3):277–83

The Australian Society for Medical Research: twenty-fifth anniversary meeting. Sydney, 14–17 December 1986. Abstracts. **Aust NZ J Med** 1987 Feb;17(1 Suppl 1):141–83

Proceedings of the 11th Congress of the Sociedade Brasileira de Biofísica, 4th Congress of the Sociedade Brasileira de Farmacologia e Terapêutica Experimental, 21st Congress of the Sociedade Brasileira de Fisiologia, 2nd Congress of the Sociedade Brasileira de Investigação Clínica. July 5–9, 1986, São Paulo. Abstracts. **Braz J Med Biol Res** 1986; 19(4–5):465A–629A

Abstracts. Annual meeting, Canadian Society for Clinical Investigation, The Royal College of Physicians and Surgeons of Canada. Winnipeg, Manitoba, September 11–15, 1987. **Clin Invest Med** 1987 Jul;10(4 Suppl B):B45–154

Abstracts. Annual meeting, Canadian Society for Clinical Investigation, Canadian Paediatric Society, The Royal College of Physicians and Surgeons of Canada. Toronto, Ontario, September 21–25, 1986. **Clin Invest Med** 1986;9(3 Suppl A):A1–190

Communications for the meeting of the Medical Research Society. 9 and 10 July 1987, Guildford. Abstracts. **Clin Sci** 1987 Jul;73 Suppl 17:1P–58P

Communications for the meeting of the Medical Research Society. 8 and 9 January 1987, Charing Cross. Abstracts. **Clin Sci** 1987;72 Suppl 16:1P–92P

Abstracts and index of the 21st annual meeting of the European Society for Clinical Investigation. March 21–24, Copenhagen-Elsinore, Denmark. **Eur J Clin Invest** 1987 Apr;17(2 Pt 2):A1–78

Career choices and tensions: the woman internist (5). Fryer GC. **Hawaii Med J** 1986 Dec;45(12):432, 435

The American Association for the Study of Liver Diseases. Presentation of the Distinguished Achievement Award to Hyman J. Zimmerman, M.D. Seeff LB. **Hepatology** 1987 Mar–Apr;7(2):213–5

Drug utilization studies in internal medicine. Uppal R, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Apr;25(4):216–7

42nd annual conference of the Association of Physicians of India. Madurai, 23–27 January 1987. Abstracts. **J Assoc Physicians India** 1987 Jan;35(1):1–100

41st annual conference of the Association of Physicians of India. Udaipur, 18–22 January 1986. Abstracts. **J Assoc Physicians India** 1986 Jan;34(1):1–96

Gatekeeping in primary care: a comparison of internal medicine and family practice. Bertakis KD, et al. **J Fam Pract** 1987 Mar;24(3):305–9

Research in general internal medicine. A conference. 9–11 October 1985. Spencer, Indiana. **J Gen Intern Med** 1986 Jul–Aug;1(4 Suppl):S1–63

Outpatient consultation: interaction between the general internist and the specialist. Byrd JC, et al. **J Gen Intern Med** 1987 Mar–Apr;2(2):93–8

Cultivating a new field: development of a research program in general internal medicine. Eisenberg JM. **J Gen Intern Med** 1986 Jul–Aug;1(4 Suppl):S8–18

Research on the periodic health examination: opportunities for the general internist. Fletcher SW, et al. **J Gen Intern Med** 1986 Jul–Aug;1(4 Suppl):S45–9

The general internist and occupational medicine [editorial] Guidotti TL. **J Gen Intern Med** 1986 May–Jun;1(3):201–2

General internal medicine: defining a discipline [editorial] Huth EJ. **J Gen Intern Med** 1986 Jan–Feb;1(1):61–2

Research by general internal medicine units for primary care in academic health centers. Huth EJ. **J Gen Intern Med** 1986 Jul–Aug;1(4 Suppl):S3–7

Practice-based research in geriatrics by general internists. Larson EB. **J Gen Intern Med** 1986 Jul–Aug;1(4 Suppl):S42–4

Academic general medicine and motherhood: in search of a balance [editorial] Levinson W, et al. **J Gen Intern Med** 1986 Nov–Dec;1(6):421–2

Integrity, compassion, respect [editorial] Lipkin M. **J Gen Intern Med** 1986 Jan–Feb;1(1):65–7

Performance of cancer screening in a university general internal medicine practice: comparison with the 1980 American Cancer Society Guidelines. McPhee SJ, et al. **J Gen Intern Med** 1986 Sep–Oct;1(5):275–81

Research in gerontology and the general internist. Pawlson LG. **J Gen Intern Med** 1986 Jul–Aug;1(4 Suppl):S38–41

Zlinkoff honor lecture: basic research, clinical research, clinical epidemiology, and general internal medicine. Sackett DL. **J Gen Intern Med** 1987 Jan–Feb;2(1):40–7

Ratings by practicing internists and faculty members of the importance and use of selected procedural skills. Garrett CR. **J Med Educ** 1987 May;62(5):433–5

Predictors of the performance of foreign medical graduates on the 1982 certifying examination in internal medicine. Norcini JJ, et al. **JAMA** 1986 Dec 26;256(24):3367–70

Proceedings of the 83rd annual scientific session of the Japanese Society of Internal Medicine, the Japan Association of Physicians. April 3–5, 1986, Tokyo. Abstracts. **Jpn J Med** 1986 Nov;25(4):355–486

The importance of physical diagnosis in internal medicine [editorial] Takeuchi J. **Jpn J Med** 1987 Feb;26(1):1

Abstracts: meetings of the Keio Medical Society. 1986. **Keio J Med** 1987 Jan;36(1):120–9

A comparison of the patients and practices of recent graduates of family practice and general internal medicine residency programs. Cherkin DC, et al. **Med Care** 1986 Dec;24(12):1136–50

Comparisons of family physicians and internists. Process and outcome in adult patients at a community hospital [published erratum appears in Med Care 1987 Feb;25(2):180] Franks P, et al. **Med Care** 1986 Oct; 24(10):941–8

Factors associated with life satisfaction among practicing internists. Linn LS, et al. **Med Care** 1986 Sep;24(9):830–7

Approach to a hospital-based application of a medical expert system. Adlassnig KP, et al. **Med Inf (Lond)** 1986 Jul–Sep; 11(3):205–23

Why are today's medical students choosing high-technology specialties over internal medicine? McCarty DJ. **N Engl J Med** 1987 Aug 27;317(9):567–9

Decision making of internists and family physicians in the Netherlands. Gerritsma JG, et al. **Proc Annu Conf Res Med Educ** 1986;25:197–202

Comparison of the clinical practice of a geriatric nurse practitioner and two internists. McDowell BJ, et al. **Public Health Nurs** 1986 Sep;3(3):140–6

An expanded social work role in a university hospital-based group practice: service provider, physician educator and organizational consultant. Clarke SS, et al. **Soc Work Health Care** 1986 Summer;11(4):1–17

Abstracts: 81st annual scientific assembly of the Southern Medical Association. November 1–4, 1987, San Antonio, Texas. **South Med J** 1987 Sep;80(9):S1–108

Commonwealth Caribbean Medical Research Council. Proceedings of the 32nd scientific meeting. Tortola, British Virgin Islands, April 22–25, 1987. Abstracts. **West Indian Med J** 1987 Apr;36 Suppl:1–54

The INTERNIST-1/QUICK MEDICAL REFERENCE project—status report. Miller RA, et al. **West J Med** 1986 Dec;145(6):816–22

Quality of care for psychotropic drug use in internal medicine group practices. Wells KB, et al. **West J Med** 1986 Nov; 145(5):710–4

[Leukocytosis, the leftward shift of the white blood picture and leukemoid reactions in the internal medicine clinic] Kürnolski I, et al. **Vutr Boles** 1987;26(2):99–103 (Eng. Abstr.) **(Bul)**

[Trends and major tasks in internal medicine] Rybka J. **Vnitr Lek** 1986 Nov;32(11):1041–3 **(Cze)**

[Demands of scientific and technical development on personnel, work space and the organization of work. Experience at the First Internal Clinic in Hradec Králové during the past 35 years] Skaunic V, et al. **Vnitr Lek** 1987 May;33(5):489–96 (Eng. Abstr.) **(Cze)**

[Computers in internal medicine] Svačina S, et al. **Vnitr Lek** 1987 May;33(5):480–4 (Eng. Abstr.) **(Cze)**

[Full-share integration of psychopathology in general or internal medicine thanks to the Szondi test. II. Principle and applications of the test] Fréchet M. **Biomed Pharmacother** 1987;41(1):9–12 **(Fre)**

[Full-share integration of psychopathology in general or internal medicine thanks to the Szondi test. I. An objective language and a quantitative method] Mathé G, et al. **Biomed Pharmacother** 1987;41(1):6–9 **(Fre)**

[Medical Society of French-Speaking Black Africa. Abstracts of reports] **Dakar Med** 1984;29(3–4):399–504 **(Fre)**

[What fluid mechanics contributes to the angiologist] Lemaire R. **Phlebologie** 1986 Jul–Sep;39(3):687–9 **(Fre)**

[Internal medicine and psychiatry] Nollet D. **Rev Med Interne** 1987 May–Jun;8(3):247–9 **(Fre)**

[Annual meeting of the Austrian Society for Internal Medicine, in association with the Austrian Society for Clinical Chemistry, the Austrian Society for Laboratory Medicine, and the Austrian Society for Nuclear Medicine. Salzburg, 18–20 September 1986. Abstracts] **Acta Med Austriaca** 1986;13 Suppl:1–104 **(Ger)**

[93d meeting of the German Society for Internal Medicine. 26–30 April 1987, Weisbaden. Abstracts of proceedings and posters] **Klin Wochenschr** 1987;65 Suppl 9:1–271 **(Ger)**

[Risk of radiation exposure and internal medicine] Schüttmann W. **Z Gesamte Inn Med** 1987 May 15; 42(10):261–5 (Eng. Abstr.) **(Ger)**

[The division as the functional unit in internal medicine] Glick SM, et al. **Harefuah** 1986 Jun 1;110(11):581–2 **(Heb)**

[The internist and the subspecialist—a fight or a balance?] Ravid M. **Harefuah** 1986 Jun 15;110(12):636–8 **(Heb)**

[The crisis in internal medicine: the combination of research with active clinical practice—one way to solve the problem] Shoenfeld Y. **Harefuah** 1986 Aug;111(3–4):100 **(Heb)**

[Current state of internal medicine and its place in the medical profession] Rák K. **Orv Hetil** 1987 Apr 5;128(14):715–6 **(Hun)**

[Internal echography. Problems inherent in iconographic documentation and reporting. A proposal for codification] Zacchi C, et al. **Radiol Med (Torino)** 1987 Jun;73(6):530–5 (Eng. Abstr.) **(Ita)**

[84th congress of the Japanese Society of Internal Medicine. Tokyo, 2–4 April 1987. Abstracts] **Nippon Naika Gakkai Zasshi** 1987 Feb;76(2):213–350 **(Jpn)**

[55th annual meeting of the Swiss Society of Internal Medicine, 11th annual meeting of the Swiss Hypertension Association and the annual meeting of the Swiss Society of Hematology. Montreux, 21–23 May 1987. Abstracts] **Schweiz Med Wochenschr [Suppl]** 1987;22:6–52 **(Mul)**

[The problem of various Latin terms in internal medicine] Szela S, et al. **Wiad Lek** 1986 Jun 15;39(12):855–8 **(Pol)**

[Long-term drug therapy of internal diseases] Pomerantsev VP, et al. **Klin Med (Mosk)** 1987 Jun;65(6):132–6 **(Rus)**

[Work of therapists in a therapeutico-surgical department with a phthisiologic profile] Slepukha IM. **Probl Tuberk** 1987;(2):16–7 (Eng. Abstr.) **(Rus)**

[Methodologic approaches to improving the diagnostic process in the clinical picture of internal diseases] Briukhovetskii AG, et al. **Sov Med** 1987;(2):57–60 **(Rus)**

[Analysis of diagnostic errors and their causes in the practice of a physician-therapist] Fedoseev GB, et al. **Sov Med** 1986; (7):74–6 **(Rus)**

[Various unsolved problems of present-day internal medicine] Fedoseev GB, et al. **Sov Med** 1986;(9):73–9 **(Rus)**

[General problems of the chronicity of internal diseases] Komarov FI, et al. **Ter Arkh** 1987;59(5):3–8 **(Rus)**

[Erythema nodosum in the clinical picture of internal diseases] Tareev EM, et al. **Ter Arkh** 1986;58(6):36–9 (Eng. Abstr.) **(Rus)**

[Methodological aspects of clinical and radiation diagnosis in internal diseases (1)] Viazitskiĭ PO, et al. **Voen Med Zh** 1986 Dec;(12):27–31 **(Rus)**

[Internal medicine: the past and present] Stanulović D. **Med Pregl** 1986;39(7–8):307–11 (Eng. Abstr.) **(Ser)**

[Electronics in internal medicine] Dzúrik R. **Vnitr Lek** 1987 May;33(5):472–9 (Eng. Abstr.) **(Slo)**

[Internal medicine after the 17th congress of the Czechoslovak Communist Party] Menkyna R. **Vnitr Lek** 1987 Jan;33(1):1–4 **(Slo)**

[Argentine Society of Clinical Investigation, 31st scientific meeting. Mar del Plata, 16–20 November 1986. Abstracts] **Medicina (B Aires)** 1986;46(5):481–615 **(Spa)**

[Sociedad Argentina de Investigación Clínica. 30th scientific meeting. Mar del Plata, 24–28 November 1985. Abstracts] **Medicina (B Aires)** 1985;45(4):323–426 **(Spa)**

[Cancer disease as a health care problem in internal medicine] Palmeiro Troitiño R, et al. **Rev Esp Oncol** 1985; 32(1):163–82 (Eng. Abstr.) **(Spa)**

[Abstracts of free papers presented at the 8th Chilean Congress of Internal Medicine. Santiago, 22–24 October, 1986] **Rev Med Chil** 1987 Jan;115(1):Abstr pp. 1–20 **(Spa)**

[Abstracts of free papers presented at the 7th Chilean Congress of Internal Medicine. Santiago, 23–25 October 1985] **Rev Med Chil** 1986 Jan;114(1):1–14 **(Spa)**

EDUCATION

Importance of research training in internal medicine. Lefèbvre PJ. **Acta Clin Belg** 1987;42(2):112–8

Which structure for a department of internal medicine? Vantrappen G. **Acta Clin Belg** 1987;42(2):119–27

Dual residency training in emergency medicine and internal medicine [letter] Dailey RH. **Ann Emerg Med** 1987 Aug; 16(8):921

National Study of Internal Medicine Manpower: XI. Internal medicine residency and fellowship training in the 1980s. Cox MW, et al. **Ann Intern Med** 1987 May;106(5):734–40

Residency training [letter] Fulop M. **Ann Intern Med** 1987 Jun;106(6):915

Fellowships: a modest proposal [letter] Fulop M. **Ann Intern Med** 1986 Nov;105(5):808–9

Residency training in internal medicine [letter] Godfrey AM. **Ann Intern Med** 1986 Nov;105(5):808

Assessing clinical skills of residents with standardized patients. Stillman PL, et al. **Ann Intern Med** 1986 Nov; 105(5):762–71

Recognition of alcoholism and substance abuse in primary care patients. Coulehan JL, et al. **Arch Intern Med** 1987 Feb;147(2):349–52

Ambulatory training of residents [letter] Martin GJ, et al. **Arch Intern Med** 1987 Feb;147(2):206
Medical resident education. A cross-sectional study of the influence of the ambulatory preceptor as a role model. Quill TE. **Arch Intern Med** 1987 May;147(5):971–3
Continuing education and peer review in internal medicine (CEPRIME). Legge DG, et al. **Aust NZ J Med** 1986 Oct; 16(5):679–85
Training schemes in medicine at two district general hospitals. Jones ES, et al. **Br J Hosp Med** 1987 Jan; 37(1):67–8
Stress during the postgradual specialty examinations of medical doctors in internal medicine. Rath R. **Exp Clin Endocrinol** 1987 Mar;89(1):70–6
An intradepartmental teaching effort at a medical university. Hobbs J, et al. **Fam Med** 1985 Jan–Feb;17(1):11–2
DIABEDS: a randomized trial of the effects of physician and/or patient education on diabetes patient outcomes. Vinicor F, et al. **J Chronic Dis** 1987;40(4):345–56
Enhancing learning during a clinical clerkship: the value of a structured curriculum. Ende J, et al. **J Gen Intern Med** 1986 Jul–Aug;1(4):232–7
Impact of therapeutic guidelines on antibiotic use by residents in primary care clinics. Faryna A, et al. **J Gen Intern Med** 1987 Mar–Apr;2(2):102–7
Faculty training and fellowships in research in general medicine. Fletcher RH. **J Gen Intern Med** 1986 Jul–Aug; 1(4 Suppl):S50–5
Periodic health examination: comparison of residency programs and national recommendations. Goldenberg K. **J Gen Intern Med** 1986 Sep–Oct;1(5):282–6
Academic general internists' work roles and motivations for learning. Linn LS, et al. **J Gen Intern Med** 1987 Jul–Aug; 2(4):239–43
Medical subspecialty training and interest in cost containment education. Manu P, et al. **J Gen Intern Med** 1987 Jul–Aug; 2(4):229–31
Challenges facing general internal medicine in the 99th Congress. Prout DM. **J Gen Intern Med** 1986 Jan–Feb; 1(1):44–8
General medicine conferences [letter] Turner RC. **J Gen Intern Med** 1986 Nov–Dec;1(6):423
Internal medicine house officers' performance as assessed by experts and standardized patients. Calhoun JG, et al. **J Med Educ** 1987 Sep;62(9):754–60
A one-day communication workshop for internal medicine residents. Christensen JF, et al. **J Med Educ** 1987 Aug; 62(8):687–90
A comparison of locus of control between men and women in an internal medicine residency. Crowson TW, et al. **J Med Educ** 1986 Oct;61(10):840–1
Computer-assisted instruction in patient management for internal medicine residents. Garrett TJ, et al. **J Med Educ** 1986 Dec;61(12):987–9
Two combined residency programs in internal medicine and pediatrics. Greganti MA, et al. **J Med Educ** 1986 Nov; 61(11):883–92
Use of nonphysician staff to evaluate humanistic behavior of internal medicine residents and faculty members. Linn LS, et al. **J Med Educ** 1986 Nov;61(11):918–20
Ratings of residents' clinical competence and performance on certification examination. Norcini JJ, et al. **J Med Educ** 1987 Jun;62(6):457–62
Survey of combined residency programs in internal medicine and pediatrics on curricula. Peterson SE, et al. **J Med Educ** 1987 Sep;62(9):732–7
Debt, moonlighting, and career decisions among internal medicine residents. Silliman RA, et al. **J Med Educ** 1987 Jun;62(6):463–9
Screening by family practice and internal medicine residents and the effect of an intervention program. Wayland MT, et al. **J Med Educ** 1987 Jun;62(6):519–22
An ambulatory medical education program for internal medicine residents. Wones RG, et al. **J Med Educ** 1987 Jun;62(6):470–6
Training in a primary care internal medicine residency program. The first ten years. McPhee SJ, et al. **JAMA** 1987 Sep 18;258(11):1491–5
The European exchange scheme for junior doctors in internal medicine. An exciting and successful experiment. van Ypersele C, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1446–8
A cadaver workshop to teach medical procedures. Weaver ME, et al. **Med Educ** 1986 Sep;20(5):407–9
Role of prior knowledge in comprehension of medical information by medical students and physicians. Patel VL, et al. **Proc Annu Conf Res Med Educ** 1984;23:127–32
A program of microcomputer use in a junior internal medicine clerkship. Talley RC. **Proc Annu Conf Res Med Educ** 1986;25:237–48
[The system of undergraduate training in internal medicine and methods for its evaluation] Vrbová H. **Sb Lek** 1987 Apr;89(4):121–6 (Eng. Abstr.) (Cze)
[Stress during qualifying attestation examinations of 2d level physicians in internal medicine] Rath R, et al. **Vnitr Lek** 1986 May;32(5):488–94 (Eng. Abstr.) (Cze)
[Education in internal medicine and related specialties] Rombouts Y. **Acta Clin Belg** 1987;42(2):100–11 (Fre)
[Methods and objectives of improving the training of therapeutists] Krylov AA. **Klin Med (Mosk)** 1987 Apr; 65(4):146–8 (Rus)
[Reliance of medical students on the knowledge of problems in diagnosing tuberculosis in relation to various methods of teaching] Fomicheva NI, et al. **Probl Tuberk** 1987; (2):18–9 (Eng. Abstr.) (Rus)
[Review of academic dissertations in phthisiology approved by the Higher Registration Committee of the USSR 1985] Khudushina TA. **Probl Tuberk** 1987;(2):69–73 (Rus)
[Training of subintern–therapeutists in phthisiatry] Kolomiets VM, et al. **Probl Tuberk** 1987;(1):19–21 (Eng. Abstr.) (Rus)
[Improving the qualifications of lecturers on phthisiology in medical schools at the I.M. Sechenov I Medical Institute in Moscow] Koriakin VA, et al. **Probl Tuberk** 1987;(6):11–4 (Eng. Abstr.) (Rus)
[Training in geriatrics in an internal disease clinic] Tokmachev IuK, et al. **Sov Med** 1986;(9):95–8 (Rus)
[Clinical investigation as a learning experience in a medical specialty] Viniegra L. **Rev Invest Clin** 1986 Jul–Sep; 38(3):341 (Spa)
[The training in internal medicine in Chile: critical analysis] Armas Merino R, et al. **Rev Med Chil** 1987 Feb; 115(2):157–62 (Eng. Abstr.) (Spa)

HISTORY

Acta Clinica Belgica: forty years. van Ypersele de Strihou C. **Acta Clin Belg** 1987;42(2):74–6
The literature of American internal medicine: a historical view. Fye WB. **Ann Intern Med** 1987 Mar;106(3):451–60
Postgraduate Medicine turns 40. Join us in the celebration [editorial] Howard RB. **Postgrad Med** 1987 Jan;81(1):43–4, 48, 55
[100 years' since the founding of the 2d Internal Medicine Clinic of the School of General Medicine at Charles University in Prague. A brief history of the clinic based on the achievements of its chiefs] Boudik F. **Cas Lek Cesk** 1987 Feb 27;126(9):282 (Cze)
[The American period in medical history] Ackerknecht EH. **Gesnerus** 1986;43(3–4):191–5 (Eng. Abstr.) (Ger)
[The 1st Medical Department of the Vienna General Polyclinic] Reiterer W. **Wien Med Wochenschr** 1986 Nov 30;136(21–22):571–2 (Ger)
[History of Polish Phthisiology in the collections of the Museum of the History of Phthisiology] Garnuszewski Z. **Pneumonol Pol** 1986 Jul;54(7):287–92 (Eng. Abstr.) (Pol)
[Institutions and social organizations in the control of tuberculosis in Poland prior to the outbreak of World War II] Moskwa Z. **Wiad Lek** 1986 Oct 1;39(19):1362–7 (Pol)

MANPOWER

Medical manpower supply in internal medicine. Past evolution and present situation. Decoster C. **Acta Clin Belg** 1987;42(2):81–99
Changes in the supply of internists: the internal medicine population from 1978 to 1998. Kletke PR, et al. **Ann Intern Med** 1987 Jul;107(1):93–100
The health manpower challenge to internal medicine. Schroeder SA. **Ann Intern Med** 1987 May;106(5):768–70
Faculty development in general internal medicine. Perceptions concerning academic survival. Linn LS, et al. **Arch Intern Med** 1987 Aug;147(8):1446–51
Pulmonary medicine training. Time to pull in the reins [editorial] Whitcomb ME. **Chest** 1986 Oct;90(4):473–5
Traditional medicine: a modern casualty? Nelson S. **Hospitals** 1987 Oct 5;61(19):98
Supply of and demand for academic general internists—an exploratory study of a re-emerging academic discipline. Dirkx JM, et al. **Proc Annu Conf Res Med Educ** 1984; 23:39–43

STANDARDS

Advanced Achievement in Internal Medicine [letter] Matthews JI. **Ann Intern Med** 1987 Apr;106(4):641
Perceptions of the certification standards of the American Board of Internal Medicine. Norcini JJ, et al. **J Gen Intern Med** 1986 May–Jun;1(3):166–9

TRENDS

Subspecialization—the dilemma of internal medicine [editorial] Harvald B. **Acta Med Scand** 1986;220(5):385–6
General medicine in the 'eighties. Davidson C, et al. **Br Med J [Clin Res]** 1986 Aug 30;293(6546):547–50
The future of American medicine. Moser RH. **Cleve Clin J Med** 1987 Mar–Apr;54(2):67–75
Growing up: the status of academic general internal medicine [editorial] Friedman RH. **J Gen Intern Med** 1986 Mar–Apr; 1(2):134–6
The future of research in general internal medicine. Lewis CE. **J Gen Intern Med** 1986 Jul–Aug;1(4 Suppl):S60–3
[Significance of internal medicine for geriatrics—independent gerontology] Gsell O. **Z Gerontol** 1987 May–Jun; 20(3):175–8 (Eng. Abstr.) (Ger)
[Internal medicine in a state of crisis: the view from a subspeciality] Chaimowitz S. **Harefuah** 1986 Dec 15; 111(12):457 (Heb)

INTERNATIONAL AGENCIES

The role of an intergovernmental regional organization in combating drug trafficking: a perspective of the Colombo Plan Bureau. Abarro PA. **Bull Narc** 1987 Jan–Mar; 39(1):41–50
The Council of Europe Co-operation Group to Combat Drug Abuse and Illicit Trafficking in Drugs (the Pompidou Group). Nagler NA. **Bull Narc** 1987 Jan–Mar;39(1):31–40
Recent developments in legislative and administrative measures in countries of the Association of South-East Asian Nations to counter the illicit traffic in drugs. O'Hara JL, et al. **Bull Narc** 1987 Jan–Mar;39(1):51–6
Co-operation of countries within the Organization of American States to combat drug problems. Tragen IG. **Bull Narc** 1987 Jan–Mar;39(1):57–60
Dentistry can cultivate diplomatic skills. Johnson P. **Can Dent Assoc J** 1987 Feb;53(2):116
OMED (Organization Mondial d'Endoscopy Digestive)[editorial] Schuman BM. **Gastrointest Endosc** 1987 Apr;33(2):124
The IUHE ... its objectives. Sigaudès D. **Hygie** 1987 Mar; 6(1):5–6 (Eng, Fre)
Impact of the International Labor Organization on occupational health and safety laws and practice. Dinman BD. **J Occup Med** 1987 Apr;29(4):345–52
The sponsors and ALERT: expectations and obligations (All Africa Leprosy and Rehabilitation Training Centre). Kober H. **Lepr Rev** 1986 Dec;57 Suppl 1:27–32
The International Agency for Research on Cancer experience in the evaluation of the carcinogenic risk to humans. Simonato L, et al. **Med Lav** 1986 Jul–Aug;77(4):323–9
International environmental problems and international organisations. Scimemi G. **Sci Total Environ** 1986 Nov 15; 56:361–75
Heartbeat International: a cooperative program using cardiac pacemakers to foster international goodwill and understanding. McIntosh HD, et al. **Trans Am Clin Climatol Assoc** 1986;98:187–96
[If the FDI did not exist, it would be necessary to create it. Fédération dentaire internationale (interview by J.-M. Forrer)] Jardiné J. **Schweiz Monatsschr Zahnmed** 1987; 97(3):397–8 (Fre)

HISTORY

From the PCIAOH to the ICOH: continuity and development. Parmeggiani L. **Med Lav** 1986 Nov–Dec; 77(6):586–92
The first 50 years of the International Permanent Commission on Occupational Health. Vigliani EC. **Med Lav** 1986 Nov–Dec;77(6):583–5

INTERNATIONAL COOPERATION

see related
CONGRESSES

International collaboration on alcohol-related problems: perspectives from the U.S. National Institute on Alcohol Abuse and Alcoholism. Towle LH. **Ann NY Acad Sci** 1986; 472:219–27
International cooperation in rehabilitation. Tate DG, et al. **Annu Rev Rehabil** 1986;5:67–96
Some achievements from the Soviet–American cooperation in circulatory assistance and the artificial heart: 1981–1984. Shumakov VI. **Artif Organs** 1987 Feb;11(1):6–8
Reviving the Commonwealth Medical Association [editorial] Macpherson G. **Br Med J [Clin Res]** 1986 Nov 8; 293(6556):1190
Twinning of hospital libraries—international resource sharing. Long NP. **Bull Med Libr Assoc** 1986 Oct; 74(4):374–5
Exporting the American (information) revolution: the international impact of the National Library of Medicine. Smith EV, et al. **Bull Med Libr Assoc** 1986 Oct; 74(4):339–43
Special issue on regional and interregional responses to the drug abuse phenomenon. **Bull Narc** 1987 Jan–Mar; 39(1):1–85
Co-operation between South American countries in the struggle against drug abuse and illicit drug trafficking. Cagliotti CN. **Bull Narc** 1987 Jan–Mar;39(1):61–7
Co-ordinated countermeasures of Caribbean countries against the illicit drug traffic: recent developments and prospects. Sherman-Peter AM. **Bull Narc** 1987 Jan–Mar; 39(1):69–78
Co-operation between Canada and other countries and territories to promote countermeasures against illicit drug trafficking. Stamler RT, et al. **Bull Narc** 1987 Jan–Mar; 39(1):79–85
Report to Commonwealth Health Ministers on "Development Cooperation for Health". **Bull Pan Am Health Organ** 1987; 21(1):62–6
A miracle in the making: Canada's contribution to universal child immunization/1990 [editorial] Ragan EJ. **Can J Public Health** 1987 May–Jun;78(3):147–9 (Eng, Fre)
Responding to disaster: Canada and the Mexico City earthquake. Montoya D. **Can Med Assoc J** 1987 Jul 1; 137(1):68–70
A need for today: a universal cardiological terminology? [letter] Maccarini PA. **Eur Heart J** 1987 Feb;8(2):208–9
Principles of transnational co-operation in nursing. DeSantis L. **Int Nurs Rev** 1987 May–Jun;34(3):67–71
Nursing in foreign countries as described in the professional journals of national nurses' associations. McConnell EA. **Int Nurs Rev** 1987 Mar–Apr;34(2):49–51
INTERSALT Study an international co-operative study on the relation of blood pressure to electrolyte excretion in populations. I. Design and methods. The INTERSALT

Co-operative Research Group. **J Hypertens** 1986 Dec; 4(6):781–7

A plea to laboratorians [letter] Goel MC. **J Natl Med Assoc** 1987 May;79(5):569

U.S. nurse consultants in the international marketplace. Andrews MM. **J Prof Nurs** 1985 Jul–Aug;1(4):189

A world view on nurses as health educators. Copp LA. **J Prof Nurs** 1985 Nov–Dec;1(6):326

Collaboration in clinical research: binational projects shed new light on old issues. Sweeney MA, et al. **J Prof Nurs** 1987 Jan–Feb;3(1):28–38

Jewish–Arab relations in Israel: a psychology of adolescence perspective. Seginer R. **J Psychol** 1986 Nov;120(6):557–65

Soviet–American cooperation: a physician's perspective. Remarks to the annual meeting of Physicians for Social Responsibility/USA. Lown B. **J Public Health Policy** 1987 Spring;8(1):10–27

Directory lists overseas service opportunities for physician volunteers; possible factors outlined for consideration in making decision [news] **JAMA** 1987 May 15; 257(19):2541–50

A US International Health Service Corps. Options and constraints. Baker TD, et al. **JAMA** 1987 May 15; 257(19):2622–5

Refuseniks and UK/USSR medical cooperation [letter] Bernstein E, et al. **Lancet** 1987 Jan 24;1(8526):220

Boycotts and medicine [letter] Dommisse J Jr. **Lancet** 1987 May 16;1(8542):1146

Japan's search for international guidelines on rights of mental patients. Harding TW. **Lancet** 1987 Mar 21;1(8534):676–7

Future of IPPNW. International Physicians for the Prevention of Nuclear War [letter] Irwin MH. **Lancet** 1987 Aug 15;2(8555):398

Would screening prevent the international spread of AIDS? Zuckerman AJ. **Lancet** 1986 Nov 22;2(8517):1208–9

Transportability of in-vitro fertilization technology [letter] Yovich JL, et al. **Med J Aust** 1987 Jun 15;146(12):657–8

The work of the European Communities in the prevention of occupational cancer. Hunter WJ. **Med Lav** 1986 Jul–Aug;77(4):418–27

Opinion of the Economic and Social Committee on occupational cancer. Muhr G, et al. **Med Lav** 1986 Jul–Aug;77(4):428–33

Occupational carcinogens: standards issued by the International Labour Organization. Parmeggiani L. **Med Lav** 1986 Jul–Aug;77(4):449–56

The need for an international strategy to combat AIDS. Nelson LJ 3d. **Med Law** 1987;6(4):303–11

SIPRI. Stockholm International Peace Research Institute. Blackaby F. **Med War** 1985 May–Aug;1(2):133–6

International medical co-operation against hunger and disease. Craig P. **Med War** 1986 Oct–Dec;2(4):265–6

If they didn't listen to Einstein or Bohr, they are not going to listen to you. Davis H. **Med War** 1986 Jul–Sep;2(3):207–8

A psychosocial view of the nuclear arms race. Middleton H. **Med War** 1987 Jan–Mar;3(1):11–22

The arms race and the health needs of the developing countries. Poteliakhoff A. **Med War** 1987 Apr–Jun; 3(2):101–9

Co-operation not confrontation: imperative of the nuclear age. Report on the Fifth Congress of International Physicians for the Prevention of Nuclear War. Ridgway R. **Med War** 1985 Sep–Dec;1(3):209–15

Organizing for peace. Suter KD. **Med War** 1986 Jul–Sep; 2(3):201–5

'Peace and development are inseparable'. Wu XQ. **Med War** 1985 Sep–Dec;1(3):245–50

Academic sanctions: a clear and present danger to science [letter] Crawshaw R. **N Engl J Med** 1987 May 7; 316(19):1221

Apartheid and the academic boycott of South Africa. McGregor M. **N Engl J Med** 1987 Apr 16;316(16):1022–3

Last hurdle cleared before US–French AIDS accord [news] **Nature** 1987 Mar 26–Apr 1;326(6111):318

AIDS committee [news] **Nature** 1987 May 7–13;327(6117):5

AIDS agreement [letter] Baltimore D, et al. **Nature** 1987 Mar 26–Apr 1;326(6111):326

Change of heart signalled in Soviet–US health agreements [news] Palca J. **Nature** 1987 Mar 19–25;326(6110):234

The International Children's Centre: an experience in teaching social pediatrics. Manciaux M, et al. **Pediatrics** 1978 Jan;61(1):1–4

European food aid as a tool for relief and development in Sub–Saharan Africa. Clay EJ. **Proc Nutr Soc** 1987 Jul; 46(2):281–300

The limits to the use of international aid as a means of securing improvements in food production and nutrition. Seaman J. **Proc Nutr Soc** 1987 Jul;46(2):267–72

History of the Committee of Psychiatry and Foreign Affairs. Rogers RR. **Psychiatr J Univ Ottawa** 1986 Dec; 11(4):188–92

Presidential address: China, then and now—a personal perspective. American Association of Endocrine Surgeons. Wang CA. **Surgery** 1986 Dec;100(6):943–7

An international collaborative study on the performance of protein C antigen assays. Report of the ICTH subcommittee on protein C. International Committee on Thrombosis and Haemostasis. Bertina RM. **Thromb Haemost** 1987 Feb 3;57(1):112–7

Value of a multinational approach in determining the causation of cancer. Muir CS. **Yale J Biol Med** 1986 Sep–Oct;59(5):485–96

[The life and work of Gustav Gellner, the founder of Czechoslovak–Soviet medical relations] Slavětínský M. **Cesk Zdrav** 1987 Feb;35(2):93–6 (Eng. Abstr.) (Cze)

[Development of international cooperation at the Traumatology Research Institute in Brno (1954–1985)] Kroupa J. **Rozhl Chir** 1987 Jun;66(6):440–5 (Cze)

[A European initiative in the campaign against cancer] Kroes R, et al. **Ned Tijdschr Geneeskd** 1987 Jun 6;131(23):1008–11 (Dut)

[International Clearinghouse for Birth Defects Monitoring Systems (ICBDMS). An example of effective international cooperation] Robert JM, et al. **Arch Fr Pediatr** 1986 Aug–Sep;43(7):539–41 (Fre)

[The Center for the Study of Human Polymorphism (editorial)] Dausset J. **Presse Med** 1986 Oct 18; 15(36):1801–2 (Fre)

[Mild hypertension—on the way to international and national consensus. Principles and goals in developing the diagnosis and treatment of mild hypertension] Pötschke–Langer M, et al. **Fortschr Med** 1986 Nov 27;104(44):852 (Ger)

[An international ethics commission. 9 years' experiences in the evaluation of protocols and drug trials] Kersting F, et al. **Med Klin** 1986 May 16;81(11):405–8 (Ger)

[The European Section of the International Society of Rural Medicine and occupational medicine monitoring of workers in agriculture in East Germany] Knabe H, et al. **Z Gesamte Hyg** 1986 Nov;32(11):662–3 (Eng. Abstr.) (Ger)

[Comment on the article "Current characteristics of the international status of clinical research" (letter)] **Orv Hetil** 1987 Mar 8;128(10):549 (Hun)

[Current aspects of the international status of clinical research] Rák K. **Orv Hetil** 1986 Dec 7;127(49):2979–84 (Eng. Abstr.) (Hun)

[Health care cooperation with developing countries. Istituto Superiore di Sanità, Rome, 20–22 March 1986] **Ann Ist Super Sanita** 1987;23(3):525–716 (Ita)

[Round table: The new regulation for public assistance in development: remarks concerning health care cooperation] **Ann Ist Super Sanita** 1987;23(3):689–712 (Ita)

[Results of the cooperation of socialist countries in maternal and child welfare within the Comecon framework 1981–1985 and its prospects in the next Five-Year Plan] Eristavi GV, et al. **Akush Ginekol (Mosk)** 1986 Aug; (8):69–71 (Rus)

[Cooperation of Comecon member countries in the area of environmental health during the period 1981–1985] Sidorenko GI, et al. **Gig Sanit** 1986 Sep;(9):36–8 (Rus)

[Classification of research in the area of medical parasitology in accordance with the new edition of the Internal Classification of Inventions] Drabkina AA. **Med Parazitol (Mosk)** 1987 May–Jun;(3):76–8 (Eng. Abstr.) (Rus)

[Soviet–Bulgarian scientific and technological cooperation in the creation and manufacture of electric stimulation equipment] Viktorov VA, et al. **Med Tekh** 1986 Nov–Dec; (6):7–12 (Rus)

[Strengthening the cooperation between the USSR and liberated nations in the field of public health] Gritsenko AS, et al. **Sov Zdravookhr** 1987;(1):49–53 (Rus)

[Soviet–Swedish cooperation in the field of medical science] Smyslov VV, et al. **Vestn Akad Med Nauk SSSR** 1987; (3):92–4 (Rus)

[Cooperative research into the treatment of breast cancer] Demidov VP, et al. **Vopr Onkol** 1987;33(2):33–7 (Eng. Abstr.) (Rus)

[International cooperation in the development of the psychiatrist] Alarcón RD, et al. **Bol Of Sanit Panam** 1986 Dec;101(6):611–24 (Eng. Abstr.) (Spa)

[The prevention of nuclear war the and preservation of peace. A new sphere of preventive medicine (letter)] Córdova Alveláis L. **Rev Invest Clin** 1986 Jul–Sep;38(3):343–4 (Spa)

INTERNATIONAL COUNCIL OF NURSES see under **SOCIETIES, NURSING**

INTERNATIONAL EDUCATIONAL EXCHANGE

see related

FOREIGN MEDICAL GRADUATES

Midwifery work exchange project in Nicaragua. Pascoe M, et al. **J Nurse Midwifery** 1987 Mar–Apr;32(2):101–4

International students in the United States. Andruskiw O. **J Prof Nurs** 1985 May–Jun;1(3):127

Medical cadet elective to the USA. Bisson JI, et al. **J R Army Med Corps** 1987 Jun;133(2):103–5

The international responsibilities of American medical education. Martini CJ. **JAMA** 1987 May 15;257(19):2630–1

Foreign medical graduates in US postdoctoral programs: concern rises as total declines [news] Marwick C. **JAMA** 1987 May 15;257(19):2535–7

International exchange of physicians [letter] Pust RE. **JAMA** 1987 Sep 18;258(11):1478–9

European medical exchanges: London/Utrecht [letter] **Lancet** 1987 Apr 11;1(8537):864

Overseas student electives and AIDS [letter] Seaman J. **Lancet** 1987 Aug 8;2(8554):339

The European exchange scheme for junior doctors in internal medicine. An exciting and successful experiment. van Ypersele C, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1446–8

[Scientific exchange: one of the basic aspects of the activities of the Brazilian Institute for Study and Research in Gastroenterology. Homage to Prof. Margot Shiner (editorial)] Campos JV. **Arq Gastroenterol** 1986 Apr–Jun; 23(2):68–9 (Por)

[A week of Soviet medicine in Berlin] Kosmach VA. **Sov Zdravookhr** 1987;(1):64–5 (Rus)

[Experience in conducting an international course for physician postgraduate advanced training in microsurgery of the eye] Shul'pina NB, et al. **Vestn Oftalmol** 1987 Mar–Apr;103(2):63–4 (Rus)

INTERNATIONAL HEALTH PROBLEMS see **WORLD HEALTH**

INTERNATIONAL SYSTEM OF UNITS see under **WEIGHTS AND MEASURES**

INTERNEURONS

CYTOLOGY

Location of interneurones in the recurrent inhibitory circuit of the rabbit lateral geniculate nucleus. Lo FS, et al. **Exp Brain Res** 1987;66(1):83–9

Identification of abducens motoneurons, accessory abducens motoneurons, and abducens internuclear neurons in the chick by retrograde transport of horseradish peroxidase. Labandeira-Garcia JL, et al. **J Comp Neurol** 1987 May 1;259(1):140–9

METABOLISM

Serotonin–like immunoreactivity of giant olfactory interneurons in the crayfish brain. Sandeman RE, et al. **Brain Res** 1987 Feb 17;403(2):371–4

PATHOLOGY

Decreased hippocampal inhibition and a selective loss of interneurons in experimental epilepsy. Sloviter RS. **Science** 1987 Jan 2;235(4784):73–6

PHYSIOLOGY

Command and the neural causation of behavior: a theoretical analysis of the necessity and sufficiency paradigm. Eaton RC, et al. **Brain Behav Evol** 1985;27(2–4):132–64 (112 ref.)

GABAergic neurons are present in the dorsal column nuclei but not in the ventroposterior complex of rats. Barbaresi P, et al. **Brain Res** 1986 Sep 24;382(2):305–26

Septohippocampal and commissural pathways antagonistically control inhibitory interneurons in the dentate gyrus. Bilkey DK, et al. **Brain Res** 1987 Mar 10; 405(2):320–5

Decreased resting membrane conductance as the proximate cause of burst modulation by an identified interneuron in Helix. Pin T, et al. **Brain Res** 1987 May 26;412(1):165–8

Pathway of the blink reflex in the brainstem of the cat: interneurons between the trigeminal nuclei and the facial nucleus. Tamai Y, et al. **Brain Res** 1986 Aug 13; 380(1):19–25

After-effects of stochastic synaptic Renshaw cell excitation on their discharge probability. Windhorst U, et al. **Brain Res** 1987 Apr 7;408(1–2):289–94

Evidence for mutual inhibition of opposite Ia interneurones in the human upper limb. Baldissera F, et al. **Exp Brain Res** 1987;66(1):106–14

Location of, and peripheral convergence on, the interneuron in the disynaptic path from the coronal gyrus of the cerebral cortex to the trigeminal motoneurons in the cat. Olsson KA, et al. **Exp Brain Res** 1986;65(1):83–97

Regional specialization in synaptic input and output in an identified local nonspiking interneuron of the crayfish revealed by light and electron microscopy. Kondoh Y, et al. **J Comp Neurol** 1986 Sep 15;251(3):334–48

Opposing parallel connections through crayfish local nonspiking interneurons. Nagayama T, et al. **J Comp Neurol** 1987 Mar 15;257(3):347–58

Neural control of a cyclic postural behavior in the crayfish, Procambarus clarkii: the pattern-initiating interneurons. Moore D, et al. **J Comp Physiol [A]** 1987 Feb;160(2):169–79

Identification of thoracic interneurons that mediate giant interneuron-to-motor pathways in the cockroach. Ritzmann RE, et al. **J Comp Physiol [A]** 1986 Nov; 159(5):639–54

Modulated vibration-sensitivity of lamprey Mauthner neurones. Currie SN, et al. **J Exp Biol** 1987 May;129:41–51

A local interneurone which receives differential input from the medial and lateral giant axons. Takahata M, et al. **J Exp Biol** 1987 May;129:385–9

Control of leech swimming activity by the cephalic ganglia. Brodfuehrer PD, et al. **J Neurobiol** 1986 Nov;17(6):697–705

Silencing normal input permits regenerating foreign afferents to innervate an identified crayfish sensory interneuron. Krasne FB. **J Neurobiol** 1987 Jan;18(1):61–73

Food avoidance learning is accompanied by synaptic attenuation in identified interneurons controlling feeding behavior in Pleurobranchaea. Kovac MP, et al. **J Neurophysiol** 1986 Sep;56(3):891–905

Ia inhibitory interneurons and Renshaw cells as contributors to the spinal mechanisms of fictive locomotion. Pratt CA, et al. **J Neurophysiol** 1987 Jan;57(1):56–71

Corticogeniculate neurons, corticotectal neurons, and

suspected interneurons in visual cortex of awake rabbits: receptive-field properties, axonal properties, and effects of EEG arousal. Swadlow HA, et al. **J Neurophysiol** 1987 Apr;57(4):977–1001

Local nonspiking interneurons involved in gating of the descending motor pathway in crayfish. Takahata M, et al. **J Neurophysiol** 1986 Sep;56(3):718–31

Parallel processing of proprioceptive signals by spiking local interneurons and motor neurons in the locust. Burrows M. **J Neurosci** 1987 Apr;7(4):1064–80

Local circuit interactions between oriens/alveus interneurons and CA1 pyramidal cells in hippocampal slices: electrophysiology and morphology. Lacaille JC, et al. **J Neurosci** 1987 Jul;7(7):1979–93

Postsynaptic inhibition mediates high-frequency selectivity in the cricket Teleogryllus oceanicus: implications for flight phonotaxis behavior. Nolen TG, et al. **J Neurosci** 1987 Jul; 7(7):2081–96

Excitatory synaptic transmission between interneurons and motoneurons in chick spinal cord cell cultures. O'Brien RJ, et al. **J Neurosci** 1986 Nov;6(11):3284–9

Modulation of embryonic chick motoneuron glutamate sensitivity by interneurons and agonists. O'Brien RJ, et al. **J Neurosci** 1986 Nov;6(11):3290–6

Projections of the wing stretch receptors to central flight neurons in the locust. Reye DN, et al. **J Neurosci** 1987 Aug;7(8):2476–87

Immunocytochemical and pharmacological evidence for GABAergic spiking local interneurons in the locust. Watson AH, et al. **J Neurosci** 1987 Jun;7(6):1741–51

Inhibitory neurones of a motor pattern generator in Xenopus revealed by antibodies to glycine. Dale N, et al. **Nature** 1986 Nov 20–26;324(6094):255–7

Newly identified 'glutamate interneurons' and their role in locomotion in the lamprey spinal cord. Buchanan JT, et al. **Science** 1987 Apr 17;236(4799):312–4

[Tonic inhibitory effect of the cat brain on spinal interneurons] Slivko EI, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):515–6 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Synapses of the cerebellar cortex molecular layer after chronic alcohol consumption. Tavares MA, et al. **Alcohol** 1987 Mar–Apr;4(2):109–16

[Ultrastructure of the sympathetic paravertebral ganglia in rat embryogenesis. II. The development of the neuropil and the interneuronal connections] Sosunov AA, et al. **Tsitologiia** 1987 Mar;29(3):282–7 (Eng. Abstr.) **(Rus)**

INTERNSHIP AND RESIDENCY

A clinical year for radiology trainees: necessary or detrimental? [letter] Sartoris DJ. **AJR** 1987 Mar; 148(3):652–3

The current state of residency and fellowship training programs in pulmonary and cardiac radiology. Steiner RM, et al. **AJR** 1987 Jun;148(6):1081–5

Education in laboratory management for pathology residents. Hale JH, et al. **Am J Clin Pathol** 1987 Mar;87(3):402–4

How dress affects perceptions of house officers [letter] Biondell RD, et al. **Am J Dis Child** 1987 Aug;141(8):830

Toward a sane and better future in graduate medical education [editorial] Burg FD. **Am J Dis Child** 1987 Apr; 141(4):405–6

Training for life after residency [letter] Cash R. **Am J Dis Child** 1987 Jan;141(1):12

Chronic illness in children. An educational program for a primary-care pediatric residency. Desguin BW. **Am J Dis Child** 1986 Dec;140(12):1246–9

Increased morbidity among pediatric house staff. Irigoyen M, et al. **Am J Dis Child** 1987 Apr;141(4):432–4

Clinical experience. Is it always beneficial? Taubman B. **Am J Dis Child** 1987 Jun;141(6):674–5

Does dress influence how parents first perceive house staff competence? Taylor PG. **Am J Dis Child** 1987 Apr; 141(4):426–8

Academic aspirations of residents. Lundberg T, et al. **Am J Emerg Med** 1986 Nov;4(6):575–7

Resident knowledge of charges: are we asking the right questions? Hershey CO, et al. **Am J Med Sci** 1987 Mar; 293(3):182–6

Pregnancy among obstetricians: a comparison of births before, during, and after residency. Grunebaum A, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):79–83

The role of gender in an obstetrics and gynecology residency program. Hayashi TT, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):769–77

Pediatric resident objectives for hematology/oncology. Lascari AD, et al. **Am J Pediatr Hematol Oncol** 1986 Fall; 8(3):245–7

Clinician–researchers in psychiatry [letter] **Am J Psychiatry** 1987 Apr;144(4):535–6

Shifts in attitudes among psychiatric residents: serial measures over 10 years. Coryell W. **Am J Psychiatry** 1987 Jul; 144(7):913–7

Establishing therapeutic contact with schizophrenics: a supervisory approach. Huszonek JJ. **Am J Psychother** 1987 Apr;41(2):185–93

The journey of the resident in surgery [editorial] Skandalakis JE. **Am J Surg** 1987 Jun;153(6):579–80

Establishing a flexible sigmoidoscopy/colonoscopy program for surgical residents. The University of Illinois experience. Pearl RK, et al. **Am Surg** 1986 Nov;52(11):577–80

Forensic anesthesia [letter] Kalla GN. **Anaesthesia** 1986 Dec; 41(12):1272

Itinerant emergency physicians [letter] **Ann Emerg Med** 1987 Mar;16(3):369

Dual residency training in emergency medicine and internal medicine [letter] Dailey RH. **Ann Emerg Med** 1987 Aug; 16(8):921

A geriatrics curriculum for emergency medicine training programs. Jones J, et al. **Ann Emerg Med** 1986 Nov; 15(11):1275–81

Four-year emergency medicine residencies [letter] Lundberg T, et al. **Ann Emerg Med** 1986 Nov;15(11):1373

United States emergency medicine residency length in 1986–87 and 1987–88. Sloan EP, et al. **Ann Emerg Med** 1987 Aug;16(8):862–6

Design of a resident in-field experience for an emergency medicine residency curriculum. Stewart RD, et al. **Ann Emerg Med** 1987 Feb;16(2):175–9

Pressor response in medical house officers on call [letter] Brody SA. **Ann Intern Med** 1987 Jul;107(1):123

Educating physicians and treating patients in the ambulatory setting. Where are we going and how will we know when we arrive? Brook RH, et al. **Ann Intern Med** 1987 Sep; 107(3):392–8

Wheeling and dealing with graduate medical education [editorial] Delbanco TL. **Ann Intern Med** 1986 Dec; 105(6):961–2

Residency training in internal medicine [letter] Godfrey AM. **Ann Intern Med** 1986 Nov;105(5):808

Mechanism of pressor response in medical house officers on call. Mehler PS, et al. **Ann Intern Med** 1987 Apr; 106(4):560–1

Assessing clinical skills of residents with standardized patients. Stillman PL, et al. **Ann Intern Med** 1986 Nov; 105(5):762–71

Screening before surgery for colon neoplasms with a flexible sigmoidoscope by surgical residents. Mullins RJ, et al. **Ann Surg** 1987 Jun;205(6):659–64

Cognitive learning during surgical residency. A model for curriculum evaluation. Rhodes RS, et al. **Ann Surg** 1987 Feb;205(2):208–12

Recognition of alcoholism and substance abuse in primary care patients. Coulehan JL, et al. **Arch Intern Med** 1987 Feb;147(2):349–52

Ambulatory training of residents [letter] Martin GJ, et al. **Arch Intern Med** 1987 Feb;147(2):206

Medical resident education. A cross-sectional study of the influence of the ambulatory preceptor as a role model. Quill TE. **Arch Intern Med** 1987 May;147(5):971–3

Otosclerosis surgery in a resident training program. Levenson MJ, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jan; 113(1):29–31

Teaching pathology residents to evaluate the quality of laboratory testing. Valenstein PN, et al. **Arch Pathol Lab Med** 1987 Jun;111(6):571–4

General hospital residency for dental undergraduates. Stacy GC, et al. **Aust Dent J** 1986 Oct;31(5):369–74

Unique characteristics of Army psychiatry residency programs. Hales RE, et al. **Bull Menninger Clin** 1987 Jan; 51(1):38–48

Termination in individual psychotherapy: a survey of residents' experience. de Bosset F, et al. **Can J Psychiatry** 1986 Oct;31(7):636–42

Impaired interns and residents. Hurwitz TA, et al. **Can J Psychiatry** 1987 Apr;32(3):165–9

Resident training in chronic care and rehabilitation. Packer S. **Can J Psychiatry** 1987 Mar;32(2):151–2

Psychiatric training and the trainee: is there a fit? Persad E, et al. **Can J Psychiatry** 1986 Nov;31(8):727–30

Psychiatric residents' experience and career interest in geriatric psychiatry: implications for training programs. Walker JR, et al. **Can J Psychiatry** 1986 Dec;31(9):806–12

Bridging a training gap: Senior House Officers in community medicine in Leicestershire. Donaldson LJ, et al. **Community Med** 1986 Nov;8(4):292–4

Training for senior house officers [letter] Holland WW. **Community Med** 1987 Feb;9(1):98

Impact of suicide on therapists in training [letter] Balon R. **Compr Psychiatry** 1987 Jul–Aug;28(4):362

Medical internship as moral education: an essay on the system of training physicians. Groopman LC. **Cult Med Psychiatry** 1987 Jun;11(2):207–27

The interviewing process as it relates to the selection of candidates for general surgical residency programs. Dean RE, et al. **Curr Surg** 1987 Jan–Feb;44(1):1–6

A self-education program for general surgical residents. Herrmann JB. **Curr Surg** 1987 Mar–Apr;44(2):93–6

A curriculum in sport psychology in a family medicine residency program. Asken MJ. **Fam Med** 1986 Jan–Feb; 18(1):23–4

Behavioral medicine rounds: using a biopsychosocial approach for inpatient teaching. Berolzheimer N, et al. **Fam Med** 1986 Jan–Feb;18(1):11–4

Influenza vaccine—resident and faculty use [letter] Brechtelsbauer DA. **Fam Med** 1986 Jul–Aug;18(4):189

Psychosocial problem assessment: to counsel or not to counsel. Chard PS. **Fam Med** 1985 Jan–Feb;17(1):21–3

Interviewing style and response to family information by family practice residents. Crouch MA, et al. **Fam Med** 1986 Jan–Feb;18(1):15–8

Documenting resident experience. Daugherty JE, et al. **Fam Med** 1986 Sep–Oct;18(5):306–7

Teaching practice management: a simulated production report. Day TW. **Fam Med** 1986 Nov–Dec;18(6):396–7

Using graduate surveys to guide curricular reform. Dill DR, et al. **Fam Med** 1986 Sep–Oct;18(5):314–5

Developmental levels in family-centered medical care. Doherty WJ, et al. **Fam Med** 1986 May–Jun;18(3):153–6

Dialogue on training remains heated [letter] Eggertsen SC. **Fam Med** 1987 May–Jun;19(3):174, 233

Strategies for overcoming problems in implementing the obstetrics curriculum. Fox S. **Fam Med** 1986 Jan–Feb; 18(1):25–8

Fairness in the match. Glinka SJ, et al. **Fam Med** 1986 May–Jun;18(3):168–9

Personality types of family practice residents as measured by the Myers–Briggs type indicator. Harris DL, et al. **Fam Med** 1985 Jan–Feb;17(1):8–10

A comprehensive research program for family medicine residents. Holloway RL, et al. **Fam Med** 1986 May–Jun; 18(3):133–5

Mainframe computer use and residency cohort data. Hotch D, et al. **Fam Med** 1987 Mar–Apr;19(2):146–7

Pharmacy teaching for family practice residents. Kahn RF, et al. **Fam Med** 1985 Jan–Feb;17(1):24–5

A simulated self-care project for resident physicians. McBride P, et al. **Fam Med** 1987 Jan–Feb;19(1):47–8

A system for evaluating teaching in the ambulatory setting. Magill MK, et al. **Fam Med** 1986 May–Jun;18(3):173–4

Understanding chronic illness: a curriculum using nonmedical literature. Mazie B, et al. **Fam Med** 1986 May–Jun; 18(3):160–2

Training residents for the future: final draft report. The STFM Task Force on Training Residents for the Future. Merenstein JH, et al. **Fam Med** 1986 Jan–Feb;18(1):29–39

The effect of an inpatient chemical dependency rotation on residents' clinical behavior. Mulry JT, et al. **Fam Med** 1987 Jul–Aug;19(4):276–80

Documenting training and experience during family practice residency. Murphy NJ, et al. **Fam Med** 1987 Jan–Feb; 19(1):39–40

A model of computer documentation of hospital specialty rotations. O'Brien DK, et al. **Fam Med** 1986 Sep–Oct; 18(5):282–6

Temperament and stress factors predictive of choosing to leave after one year of residency. Parker J, et al. **Fam Med** 1986 Sep–Oct;18(5):308–10

Longitudinal teaching of obstetrics in family practice residency programs. Petry LJ, et al. **Fam Med** 1987 May–Jun;19(3):195–9

Effects of training in patient education on attitudes and behaviors of family practice residents. Plorde-McCann D, et al. **Fam Med** 1986 Mar–Apr;18(2):81–3

Resident physicians in family practice: who's burned out and who knows? Purdy RR, et al. **Fam Med** 1987 May–Jun; 19(3):203–8

The effect of a required residency based student clerkship on resident selection. Rabinowitz HK. **Fam Med** 1986 Sep–Oct;18(5):287–9

Structuring a home visit program for residents. Sadovsky R, et al. **Fam Med** 1986 Nov–Dec;18(6):361–2

Priorities in family medicine residency education. Scherger JE. **Fam Med** 1987 May–Jun;19(3):177–8

Entry of U.S. medical school graduates into family practice residencies: 1983–84. Schmittling G, et al. **Fam Med** 1986 Sep–Oct;18(5):296–300

Where, how, and from whom do family practice residents learn? A multisite analysis. Schwenk TL, et al. **Fam Med** 1987 Jul–Aug;19(4):265–8

Choosing to do obstetrics in practice: factors affecting the decisions of third-year family practice residents. Smith MA, et al. **Fam Med** 1987 May–Jun;19(3):191–4

Family practice resident selection using a videotaped interview. Sparti P. **Fam Med** 1986 Jan–Feb;18(1):40–1

Integrating community oriented primary care into training and practice: a view from the Bronx. Strelnick AH, et al. **Fam Med** 1986 Jul–Aug;18(4):205–9

Are we teaching school health in residencies? Strenecky BJ, et al. **Fam Med** 1987 Jul–Aug;19(4):272–5

The accuracy of supervisors' perceptions of family practice residents' educational needs. Tibbles L. **Fam Med** 1985 Jan–Feb;17(1):13–6

Profile of women family practice residents. Tucker JB, et al. **Fam Med** 1987 Jul–Aug;19(4):269–71

The patient-centred clinical method. 3. Changes in residents' performance over two months of training. Stewart M, et al. **Fam Pract** 1986 Sep;3(3):164–7

A reexamination of the psychiatric resident's experience in the general hospital. Hales RE, et al. **Gen Hosp Psychiatry** 1986 Nov;8(6):432–6

Ombudsman Rounds on the otolaryngology service [clinical conference] Strain JJ, et al. **Gen Hosp Psychiatry** 1987 Jan; 9(1):64–70

Issues in the development of training for mental health service to the elderly. Wilcox FM. **Gerontol Geriatr Educ** 1985–86 Winter;6(2):49–63

AIDS on the wards: a residency in medical ethics. Zuger A. **Hastings Cent Rep** 1987 Jun;17(3):16–20

Training child psychiatrists in rural public mental health. Petti TA, et al. **Hosp Community Psychiatry** 1987 Apr; 38(4):398–401

Clinical cognition 101. Kassirer JP, et al. **Hosp Pract [Off]** 1987 May 15;22(5):57–9, 62–4 passim

Predicting residency performance. Gunzburger LK, et al. **IMJ** 1986 Dec;170(6):376–7
A unique residency in general surgery. Schmitz RL, et al. **IMJ** 1986 Aug;170(2):87–90
Family practice residency training. It can be 'far more enjoyable than ever imagined'. Holt W. **Indiana Med** 1986 Nov;79(11):994–5
Patient generated dysphoria in psychiatric residents. Herzog DB, et al. **Int J Psychiatry Med** 1986–87;16(4):395–400
Critique of "Essentials and guidelines for radiation oncology residency training programs" [letter] Orton CG, et al. **Int J Radiat Oncol Biol Phys** 1987 Jun;13(6):945
The disposition of the resident unsuited for the discipline of diagnostic radiology. Heller RM, et al. **Invest Radiol** 1987 May;22(5):427–8
Educational objectives for diagnostic radiology residency training. Howland WJ, et al. **Invest Radiol** 1986 Dec; 21(12):932–4
A resident perspective on the radiology residency. The critical incident technique. Tarico VS, et al. **Invest Radiol** 1986 Nov;21(11):877–80
Advancement of women in academic radiology. Whitley NO, et al. **Invest Radiol** 1987 May;22(5):431–5
Developing psychosocial sensitivity among family doctors—a content analysis of Balint seminar discussions. Maoz B, et al. **Isr J Psychiatry Relat Sci** 1986;23(3):205–13
Adolescent medicine education in pediatric residency programs following the 1978 Task Force on Pediatric Education report. Comerci GD, et al. **J Adolesc Health Care** 1987 Jul;8(4):356–64
Essentials for specialty and subspecialty training in dermatology. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):151–60
Basic science conferences in residency training: a national survey. Cruz PD Jr, et al. **J Am Acad Dermatol** 1987 Feb; 16(2 Pt 1):413–9
Optometric residency programs: a sleeping giant [editorial] Bartlett JD. **J Am Optom Assoc** 1987 May;58(5):358–9
Accreditation and residencies [editorial] Borish IM. **J Am Optom Assoc** 1987 May;58(5):360–1
What can you say to a residency candidate? [editorial] Catania LJ. **J Am Optom Assoc** 1987 May;58(5):362–3
A comprehensive eye/vision program. Cohen AH, et al. **J Am Optom Assoc** 1987 May;58(5):386–9
Veterans Administration residency programs: an overview. Maino JH, et al. **J Am Optom Assoc** 1987 May;58(5):378–80
Optometry residency in low vision rehabilitation: a cooperative program. Stelmack JA, et al. **J Am Optom Assoc** 1987 May;58(5):382–4
Intern evaluations of diverse types of teaching models. Heisler J, et al. **J Am Osteopath Assoc** 1986 Oct; 86(10):658–62
Arkansas Medical Society Resident Physician Section [editorial] Holt TN. **J Arkansas Med Soc** 1986 Oct; 83(5):226
The candidate's view of the orthopaedic residency selection process. Bunch WH, et al. **J Bone Joint Surg [Am]** 1986 Oct;68(8):1292–6
DIABEDS: a randomized trial of the effects of physician and/or patient education on diabetes patient outcomes. Vinicor F, et al. **J Chronic Dis** 1987;40(4):345–56
The effect of fatigue on the performance of a simulated anesthetic monitoring task. Denisco RA, et al. **J Clin Monit** 1987 Jan;3(1):22–4
A comparison of health promotion practices of general practitioners and residency trained family physicians. Attarian L, et al. **J Community Health** 1987 Spring; 12(1):31–9
Importance of community size in practice location decisions of final year residents. Samaha PA, et al. **J Community Health** 1987 Summer–Fall;12(2–3):139–46
A profile of general practice residency program directors and dental department chairpersons. Olsen RA, et al. **J Dent Educ** 1987 Sep;51(9):550–2
Postdoctoral dental residencies and prerequisite for licensure. Pudwill ML. **J Dent Educ** 1987 Jun;51(6):309–11
The impact of aeromedical helicopter programs on emergency medicine resident training: resident attitudes, perceived risks, and benefits. Carter G, et al. **J Emerg Med** 1986;4(6):471–6
Computerized prescription inventory program for the education of residents (PIPER). Anastasio GD, et al. **J Fam Pract** 1986 Dec;23(6):598–600
Content of the model teaching unit ambulatory care training and continuity of care in six family practice residency programs. Ellsbury KE, et al. **J Fam Pract** 1987 Sep; 25(3):273–8
Gatekeepers in primary care [letter] Essman TM. **J Fam Pract** 1987 Jun;24(6):574
Family practice residents' attitudes toward organ donation. Falvo DR, et al. **J Fam Pract** 1987 Aug;25(2):163–6
An in-training examination for residents in family practice. Geyman JP, et al. **J Fam Pract** 1976 Aug;3(4):409–13
Promotion of family enrollment in an urban family practice residency program. Gropper M, et al. **J Fam Pract** 1987 Jan;24(1):57–60
A new method for measuring continuity of care in family practice residencies. Magill MK, et al. **J Fam Pract** 1987 Feb;24(2):165–8
The interview in Family Practice Resident Selection. Phillips WR. **J Fam Pract** 1976 Aug;3(4):444–5
Halifax Medical Center. Evolution of a family practice residency program. Tomson WG. **J Fla Med Assoc** 1987 Jul;74(7):494–8
Resident turnover [letter] **J Gen Intern Med** 1986 Sep–Oct; 1(5):345–6
Monitoring and improving the content of medical residents' ambulatory care experience: a microcomputer-based method using diagnosis clusters. Bordley DR, et al. **J Gen Intern Med** 1987 May–Jun;2(3):174–7
Expanded medical education in primary care—is this the next step? [editorial] Branch WT Jr. **J Gen Intern Med** 1986 Jul–Aug;1(4):269–70
The resident leaves the clinic: the effects of changing physicians on appointment-keeping behavior. Brown JT, et al. **J Gen Intern Med** 1986 Mar–Apr;1(2):98–100
Underdocumentation of benzodiazepine prescriptions in a general medicine clinic. Buchsbaum DG, et al. **J Gen Intern Med** 1986 Sep–Oct;1(5):305–8
Modification of residents' behavior by preceptor feedback of patient satisfaction. Cope DW, et al. **J Gen Intern Med** 1986 Nov–Dec;1(6):394–8
Lumbar spine films in primary care: current use and effects of selective ordering criteria. Deyo RA, et al. **J Gen Intern Med** 1986 Jan–Feb;1(1):20–5
Impact of therapeutic guidelines on antibiotic use by residents in primary care clinics. Faryna A, et al. **J Gen Intern Med** 1987 Mar–Apr;2(2):102–7
Periodic health examination: comparison of residency programs and national recommendations. Goldenberg K. **J Gen Intern Med** 1986 Sep–Oct;1(5):282–6
Stress during internship: a prospective study of mood states. Gordon GH, et al. **J Gen Intern Med** 1986 Jul–Aug; 1(4):228–31
Effect of resident turnover on patients' appointment-keeping behavior in a primary care medical clinic. Lanska MJ, et al. **J Gen Intern Med** 1986 Mar–Apr;1(2):101–3
Integrity, compassion, respect [editorial] Lipkin M. **J Gen Intern Med** 1986 Jan–Feb;1(1):65–7
Stress in residency: a challenge to personal growth. Martin AR. **J Gen Intern Med** 1986 Jul–Aug;1(4):252–7
Challenges facing general internal medicine in the 99th Congress. Prout DM. **J Gen Intern Med** 1986 Jan–Feb; 1(1):44–8
Continuity of care after July: what happens to the resident's patients? Retchin SM, et al. **J Gen Intern Med** 1986 Mar–Apr;1(2):94–7
The service and educational contributions of a general medicine consultation service. Robie PW. **J Gen Intern Med** 1986 Jul–Aug;1(4):225–7
A controlled trial to decrease the unnecessary use of diagnostic tests. Williams SV, et al. **J Gen Intern Med** 1986 Jan–Feb;1(1):8–13
Residency performance [letter] Baker HH. **J Med Educ** 1987 Sep;62(9):784
Stress in graduate medical education [editorial] Bates GW. **J Med Educ** 1987 May;62(5):443
Factors affecting residents' decisions to moonlight. Bazzoli GJ, et al. **J Med Educ** 1986 Oct;61(10):797–802
Training pediatrics residents to use clinical observation scales. Bergman DA, et al. **J Med Educ** 1987 Aug;62(8):695–7
Support groups and other supportive efforts in residency programs. Brashear DB. **J Med Educ** 1987 May; 62(5):418–24
Residents' underdocumentation in elderly patients' records of prescriptions for benzodiazepine. Buchsbaum DG, et al. **J Med Educ** 1987 May;62(5):438–40
Internal medicine house officers' performance as assessed by experts and standardized patients. Calhoun JG, et al. **J Med Educ** 1987 Sep;62(9):754–60
A one-day communication workshop for internal medicine residents. Christensen JF, et al. **J Med Educ** 1987 Aug; 62(8):687–90
A comparison of locus of control between men and women in an internal medicine residency. Crowson TW, et al. **J Med Educ** 1986 Oct;61(10):840–1
Nutrition education for family practice residents. Dappen A, et al. **J Med Educ** 1986 Oct;61(10):837–9
Using simulated patients to teach family practice residents to manage patients by telephone. Dunn EV, et al. **J Med Educ** 1987 Jun;62(6):524–6
Computer-assisted instruction in patient management for internal medicine residents. Garrett TJ, et al. **J Med Educ** 1986 Dec;61(12):987–9
Comparison of mood changes and satisfaction among first-year medical residents in three programs. Gordon GH, et al. **J Med Educ** 1987 May;62(5):428–30
Results of the NRMP for 1987. Graettinger JS. **J Med Educ** 1987 Jun;62(6):530–2
Issues raised by troubled residents' need for psychotherapy. Hassenfeld I, et al. **J Med Educ** 1987 Jul;62(7):608–10
Performance of residents who had academic difficulties in medical school. Hunt DD, et al. **J Med Educ** 1987 Mar; 62(3):170–6
Factors affecting ratings of clinical teachers by medical students and residents. Irby DM, et al. **J Med Educ** 1987 Jan;62(1):1–7
Computer-assisted information management for the pediatric residency review process. Kallen RJ. **J Med Educ** 1986 Oct;61(10):830–4
Referral rates of senior family practice residents in an ambulatory care clinic. Lawler FH. **J Med Educ** 1987 Mar; 62(3):177–82
National survey of writers of dean's letters for residency applications. Leiden LI, et al. **J Med Educ** 1986 Dec; 61(12):943–53
Use of nonphysician staff to evaluate humanistic behavior of internal medicine residents and faculty members. Linn LS, et al. **J Med Educ** 1986 Nov;61(11):918–20
A comparison of two formats for teaching critical reading skills in a medical journal club. Linzer M, et al. **J Med Educ** 1987 Aug;62(8):690–2
Diagnosis formulation by residents and physicians at different levels of experience. Lutz LJ, et al. **J Med Educ** 1986 Dec; 61(12):984–7
Effect of history of psychological counseling on selection of applicants for residencies. Oppenheimer K, et al. **J Med Educ** 1987 Jun;62(6):504–8
Association between family medicine residents' personality and laboratory test-ordering for hypertensive patients. Ornstein S, et al. **J Med Educ** 1987 Jul;62(7):603–5
Survey of combined residency programs in internal medicine and pediatrics on curricula. Peterson SE, et al. **J Med Educ** 1987 Sep;62(9):732–7
Medical students' and residents' data analysis in patient progress notes. Powell GF, et al. **J Med Educ** 1987 Jul; 62(7):606–7
Residency directors' perceptions of gender-related differences in the performance of psychiatric residents. Roback HB, et al. **J Med Educ** 1987 Sep;62(9):767–9
Levels and causes of stress among residents. Schwartz AJ, et al. **J Med Educ** 1987 Sep;62(9):744–53
Debt, moonlighting, and career decisions among internal medicine residents. Silliman RA, et al. **J Med Educ** 1987 Jun;62(6):463–9
Teaching about the doctor-patient relationship in the first postgraduate year. Sledge WH, et al. **J Med Educ** 1987 Mar;62(3):187–90
Unrecognized responses and feelings of residents and fellows during interviews of patients. Smith RC. **J Med Educ** 1986 Dec;61(12):982–4
Sources of stress in postgraduate medical training. Taylor AD, et al. **J Med Educ** 1987 May;62(5):425–8
An AAMC pilot study by 10 medical schools of clinical evaluation of students. Tonesk X, et al. **J Med Educ** 1987 Sep;62(9):707–18
Residents' attitudes, knowledge, and behavior regarding diagnosis and treatment of alcoholism. Warburg MM, et al. **J Med Educ** 1987 Jun;62(6):497–503
Results of a survey concerning application for residency training. Weinberg E, et al. **J Med Educ** 1987 Sep; 62(9):763–5
Repeat testing [letter] Weir MR, et al. **J Med Educ** 1987 May;62(5):455
The resident as teacher during work rounds. Wilkerson L, et al. **J Med Educ** 1986 Oct;61(10):823–9
An ambulatory medical education program for internal medicine residents. Wones RG, et al. **J Med Educ** 1987 Jun;62(6):470–6
Characteristics of house staff work rounds on two academic general medicine services. Wray NP, et al. **J Med Educ** 1986 Nov;61(11):893–900
Training pediatric residents in early intervention with handicapped children. Wysocki T, et al. **J Med Educ** 1987 Jan;62(1):47–52
Relationship of residents' emotional problems, coping behaviors, and gender. Young EH. **J Med Educ** 1987 Aug; 62(8):642–50
Determining the policies of a residency selection committee. Young MJ, et al. **J Med Educ** 1986 Oct;61(10):835–7
The utilization of cross-sectional anatomy in a surgical residency training program. del Junco T Jr, et al. **J Natl Med Assoc** 1987 Mar;79(3):289–95
Success of minority applicants in the National Residency Matching Program. Jordan WC. **J Natl Med Assoc** 1986 Aug;78(8):737–9
Practice mode of occupational medicine residency graduates. Felton JS. **J Occup Med** 1987 Jul;29(7):616–7
Occupational health and clinical training. Sokas RK, et al. **J Occup Med** 1987 May;29(5):414–6
The residency stress syndrome [editorial] Laskin DM. **J Oral Maxillofac Surg** 1987 Mar;45(3):203
Evaluation of performance of radiology residents. Heller RM, et al. **J R Soc Health** 1987 Apr;107(2):74–5
The importance of nonoperative trauma management in postgraduate surgical education. Hiatt JR, et al. **J Trauma** 1987 Jul;27(7):769–73
Patients and the habits of house officers [letter] **JAMA** 1987 Apr 17;257(15):2031–2
Hybridization of the primary care disciplines [letter] **JAMA** 1986 Nov 7;256(17):2345–6
More on attachment behavior: 't was the night before changeover [letter] **JAMA** 1986 Dec 26;256(24):3348
Graduate medical education in the United States. Crowley AE, et al. **JAMA** 1987 Aug 28;258(8):1031–40
Worlds apart. Some thoughts to be delivered to house officers on the first day of clinic. Howell JD, et al. **JAMA** 1987 Jul 24–31;258(4):502–3
Training in a primary care internal medicine residency program. The first ten years. McPhee SJ, et al. **JAMA** 1987 Sep 18;258(11):1491–5
A piece of my mind. Immune response. Pearson SD. **JAMA** 1986 Dec 12;256(22):3088
The use of literary classics in teaching medical ethics to physicians. Radwany SM, et al. **JAMA** 1987 Mar 27; 257(12):1629–31

Clinical training for students of foreign medical schools in US hospitals [letter] Sujka SK. **JAMA** 1987 Jan 2; 257(1):27–8

Postgraduate training and specialisation in radiology and imaging [editorial] Jumshyd A. **JPMA** 1987 Jun; 37(6):141–2

Stress management in residency training programs. Goldberg HR. **Kans Med** 1987 May;88(5):162–3, 169

Graduate followup of UKSM–KC Family Practice Residency training. Price JG, et al. **Kans Med** 1987 May; 88(5):155–8

Results in resident cholesteatoma surgery: a review of 85 cases [letter] Blakley BW. **Laryngoscope** 1987 May; 97(5):643

Surgical aptitude test for otolaryngology–head and neck surgery resident applicants. Krespi YP, et al. **Laryngoscope** 1986 Nov;96(11):1201–6

Results in resident cholesteatoma surgery: a review of 85 cases. Moss R, et al. **Laryngoscope** 1987 Feb;97(2):212–4

A comparison of the patients and practices of recent graduates of family practice and general internal medicine residency programs. Cherkin DC, et al. **Med Care** 1986 Dec;24(12):1136–50

House officers' attitudes towards terminal care. Finlay IG. **Med Educ** 1986 Nov;20(6):507–11

Predicting residency performance with the new Medical College Admission Test. Markert RJ. **Med Educ** 1986 Nov; 20(6):512–5

Effect of an adolescent medicine rotation on pelvic examination skills of paediatric residents. Rabinovitz S, et al. **Med Educ** 1987 May;21(3):219–26

Educational objectives of the pre–registration year. Calman KC, et al. **Med Teach** 1986;8(4):383–7

Surgery training at Hamad General Hospital. Mehl RL. **Middle East J Anesthesiol** 1986 Oct;8(6):519–28

Care delivery in dental residency programs. Barnes GP, et al. **Milit Med** 1987 May;152(5):228–32

Suggested personnel additions to department of medicine training programs. Bogdonoff MD. **N Engl J Med** 1987 Sep 17;317(12):765–6

The obstetrical practice of a community–based family practice residency program, 1982–1985. Menscer D. **NC Med J** 1986 Sep;47(9):425–7

Adding interest and excitement to geriatric clinical rotations. Stead NW, et al. **NC Med J** 1986 Oct;47(10):491–3

Neurology residency training programs in the United States. Kurtzke JF, et al. **Neurology** 1987 May;37(5):820–3

Survey of ultrasound training in obstetrics and gynecology residency training programs in the United States. Ahram J, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):405–7

The effects of fellowships on residency training in obstetrics and gynecology. Metheny WP, et al. **Obstet Gynecol** 1987 May;69(5):825–9

Current methods of training residents to manage pediatric cardiopulmonary arrests. Baker MD. **Pediatr Emerg Care** 1986 Jun;2(2):82–4

Pediatric residency guidelines for management of status epilepticus. Gushurst CA, et al. **Pediatr Emerg Care** 1987 Jun;3(2):71–4

Pediatric resident management of the young febrile child. Zolkowski–Wynne J, et al. **Pediatr Emerg Care** 1986 Dec; 2(4):222–6

Effect of different components of a laboratory curriculum on resident physician learning. Murphy MD, et al. **Pediatr Infect Dis** 1986 Sep–Oct;5(5):570–4

Denver Developmental Screening and Apgar assessments for the pediatric house officer. Felt BT. **Pediatrics** 1987 Jun; 79(6):1015–7

Residents on the phone [letter] Fosarelli P, et al. **Pediatrics** 1987 Feb;79(2):311–2

Can we rediscover the bedside? St Geme JW Jr. **Pediatrics** 1987 Feb;79(2):287–8

Is residency training failing? [letter] **Pharos** 1987 Spring; 50(2):35

Skills training in primary care residency. Problems and solutions from the family practice perspective. DeWitt DE. **Postgrad Med** 1987 Feb 1;81(2):155–62

The impact of clinical appearance on pediatric residents' assessment of the febrile infant. Bergman DA, et al. **Proc Annu Conf Res Med Educ** 1986;25:135–41

Training resident physicians to use clinical prediction rules. Bergman DA, et al. **Proc Annu Conf Res Med Educ** 1986; 25:122–8

The reliability and validity of in–training evaluation reports in obstetrics and gynecology. Cranton PA, et al. **Proc Annu Conf Res Med Educ** 1984;23:59–64

The relationship between cognitive factors and medical student specialty/residency selection. Essex–Sorlie D, et al. **Proc Annu Conf Res Med Educ** 1984;23:173–8

Clinical decision making: a study to define educational objectives for resident physicians. Hickam DH, et al. **Proc Annu Conf Res Med Educ** 1986;25:191–6

Practical experience in the pre–registration year in relation to undergraduate preparation. Jolly B, et al. **Proc Annu Conf Res Med Educ** 1986;25:171–6

The ideal physician: an analysis from two perspectives. Jordan TJ, et al. **Proc Annu Conf Res Med Educ** 1986; 25:48–53

Comparing self and supervisor evaluations: a different view. Koim P, et al. **Proc Annu Conf Res Med Educ** 1986;25:63–8

Stresses and supports during residency training. Landau C, et al. **Proc Annu Conf Res Med Educ** 1984;23:44–9

Symposium: Stress in clinical training: causes, recognition and intervention. Noel GL, et al. **Proc Annu Conf Res Med Educ** 1984;23:399–406

Symposium: Dilemmas in the evaluation of residents. Rezler AG, et al. **Proc Annu Conf Res Med Educ** 1986;25:371–8

Evaluating clinical competence in anesthesia: using faculty comments to develop criteria. Rhoton MF, et al. **Proc Annu Conf Res Med Educ** 1986;25:57–62

Utilization of in–training examinations for curriculum evaluation: a model from the surgical residency. Wile MZ, et al. **Proc Annu Conf Res Med Educ** 1986;25:217–22

The teaching of psychotherapy to foreign medical graduate residents in psychiatry. Oliver N, et al. **Psychiatr J Univ Ottawa** 1986 Dec;11(4):223–7

The current status of psychodynamic formulation. Friedman RS, et al. **Psychiatry** 1987 May;50(2):126–41

A pilot program for assigned reading by residents in consultation psychiatry. Frankel BL, et al. **Psychosomatics** 1986 Sep;27(9):644–7

Radiotherapy teaching by simulation: the computerized treatment plan. Cellini N, et al. **Rays** 1985 Jan–Apr; 10(1):117–20

Teaching psychotherapy in contemporary psychiatric residency training. Committee on Therapy. Group for the Advancement of Psychiatry. **Rep Group Adv Psychiatry** 1987;(120):1–56

The internship year in the RSA—a need for change. Brink AJ, et al. **S Afr Med J** 1986 Nov 22;70(11):679–83

Humanism in medical residents [letter] **South Med J** 1986 Nov;79(11):1463–4

Selection of anesthesiology residents. Baker JD 3d, et al. **South Med J** 1987 Aug;80(8):1031–5

Clinical performance of interns after being on call. Engel W, et al. **South Med J** 1987 Jun;80(6):761–3

Intern ranking versus subsequent house officer performance. Kesler RW, et al. **South Med J** 1986 Dec;79(12):1562–3

Culture as a determinant of "humanistic traits" in medical residents. Merrill JM, et al. **South Med J** 1987 Feb; 80(2):233–6

Resident and faculty clinical experience in a model family practice. Parkerson GR Jr, et al. **South Med J** 1987 May; 80(5):566–71

Clinical experience during family medicine residency training. Parkerson GR Jr, et al. **South Med J** 1987 Jul; 80(7):895–900

Teaching in gerontology and geriatrics [letter] Steel K, et al. **South Med J** 1986 Oct;79(10):1317–8

Foreign medical graduates and neurosurgical residencies [letter] Kahn J. **Surg Neurol** 1986 Nov;26(5):518–9

Is there gender bias in the evaluation of surgical residents? Hayward CZ, et al. **Surgery** 1987 Aug;102(2):297–9

A rationale for the teaching of statistics to surgical residents. Reznick RK, et al. **Surgery** 1987 May;101(5):611–7

[Evaluation of surgical training in Belgium. Survey carried out within 2 French–speaking universities] Houben JJ, et al. **Acta Chir Belg** 1987 Jan–Feb;87(1):60–4 (Eng. Abstr.) **(Fre)**

[Selection of candidates for surgery] Lavigne JC, et al. **Acta Chir Belg** 1987 Jan–Feb;87(1):46–8 (Eng. Abstr.) **(Fre)**

[Selection and training of future surgeons. A survey on Belgian surgical services] Van Geertruyden J. **Acta Chir Belg** 1987 Jan–Feb;87(1):40–5 (Eng. Abstr.) **(Fre)**

[Acquired immunodeficiency syndrome: the attitude of residents in a Parisian hospital in 1986 (letter)] Vittecoq D, et al. **Rev Epidemiol Sante Publique** 1987;35(2):173–5 **(Fre)**

[Pediatrics as family–oriented medicine] Jährig K. **Kinderarztl Prax** 1986 Aug;54(8):421–3 (Eng. Abstr.) **(Ger)**

[Pulmonology training in an emergency hospital] Miyashiro S. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jun; 24(6):611–3 **(Jpn)**

[Optimal organization of sub–internship in surgery] Butenko AT. **Khirurgiia (Mosk)** 1986 Sep;(9):98–9 **(Rus)**

[Various aspects of the training of interns in an emergency surgery clinic] Butsenko VN, et al. **Klin Khir** 1987;(2):30–1 **(Rus)**

[Experience in the training of therapist interns as shop physicians in the medical unit of a factory] Sedov KR, et al. **Sov Med** 1987;(4):74–5 **(Rus)**

[Training in geriatrics in an internal disease clinic] Tokmachev IuK, et al. **Sov Med** 1986;(9):95–8 **(Rus)**

[Ways of improving the 1–year specialization of surgeons in the internship] Kharaberiush VA, et al. **Sov Zdravookhr** 1987;(1):45–8 (Eng. Abstr.) **(Rus)**

[Ideological, political and deontological ethics education of interns] Smolenskii VS, et al. **Sov Zdravookhr** 1987; (4):48–52 (Eng. Abstr.) **(Rus)**

[Problems in further improving the teaching of venereology to obstetrics and gynecology subinterns] Tumarkin BM. **Vestn Dermatol Venerol** 1987;(6):34–7 (Eng. Abstr.) **(Rus)**

[Methods in the advanced training of infectious disease specialists in residency activities] Ivanov KS. **Voen Med Zh** 1987 Feb;(2):17–8 **(Rus)**

[Methodology of improving the teaching of exercise therapy to interns] Ananasenko GL, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Nov–Dec; (6):63–5 **(Rus)**

[Medical residency in infectology: 16 years later] Dain A, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1985;43(1):60–3 **(Spa)**

[Clinical investigation as a learning experience in a medical specialty] Viniegra L. **Rev Invest Clin** 1986 Jul–Sep; 38(3):341 **(Spa)**

[Hostility in the practice of the internist] Goić A. **Rev Med Chil** 1987 Feb;115(2):163–6 (Eng. Abstr.) **(Spa)**

ECONOMICS

Residency training in general pediatrics. The role of federal funding. Mathieu OR Jr, et al. **Am J Dis Child** 1987 Jul; 141(7):754–7

Physician training outside the hospital: who pays for the future? Goodson JD. **Ann Intern Med** 1987 Sep; 107(3):415–7

Graduate medical education: who will pay how much for what? [editorial] Nash DB, et al. **Ann Intern Med** 1987 Feb;106(2):323–4

Trends in the growth of family practice residency training programs. Ricketts TC, et al. **Health Aff (Millwood)** 1986 Winter;5(4):84–96

Residency positions offered in three specialties. Lee RH, et al. **Health Serv Res** 1987 Apr;22(1):49–68

Stipends: a better wage for new MDs. Nelson S. **Hospitals** 1987 Aug 20;61(16):60

Optometric residencies [editorial] Rakes JA. **J Am Optom Assoc** 1987 May;58(5):364

Alternative strategies for funding a general dentistry residency program. Kralewski JE, et al. **J Dent Educ** 1987 Jun;51(6):312–5

Practical considerations in financing required postdoctoral general dentistry programs. Myall RW. **J Dent Educ** 1987 Jun;51(6):316–9

The influence of a family practice residency on the costs of inpatient diagnostic testing. Hueston WJ. **J Fam Pract** 1986 Dec;23(6):559–63

Financing fellowship training. Kurtzman NA. **Semin Nephrol** 1985 Sep;5(3):155–6

The influence of debt, moonlighting, practice, oversupply and gender on career development of residents in university and independent training programs. Greco RS, et al. **Surg Gynecol Obstet** 1987 Jul;165(1):19–24

EDUCATION

Senior House Officer training in geriatric medicine. George J, et al. **Age Ageing** 1987 Mar;16(2):111–4

HISTORY

History of graduate medical education at the University of Florida. Dockery JL. **J Fla Med Assoc** 1987 Jul;74(7):514–5

The residency program at the University of South Florida. Judisch JM. **J Fla Med Assoc** 1987 Jul;74(7):516–7

Attempts at cooperative approaches to graduate medical education—the saga of J.H.E.P. (Jacksonville Hospitals Education Program). Michael M Jr. **J Fla Med Assoc** 1987 Jul;74(7):487–93

History of the Pensacola Educational Program. Nauman RD. **J Fla Med Assoc** 1987 Jul;74(7):518–21

The surgical residency: then, now, and future. Ravitch MM. **Pharos** 1987 Winter;50(1):11–6

LEGISLATION & JURISPRUDENCE

The Medical Practice Act of 1985. Part IV—Implementation of graduate education (resident training) and residency program requirements. Moyer JH. **Pa Med** 1986 Sep; 89(9):46–59

[The use of occupational law in solving problems at obstetric–gynecologic facilities] Langanke A, et al. **Z Arztl Fortbild (Jena)** 1986;80(18):769–71 **(Ger)**

ORGANIZATION & ADMINISTRATION

Regional residency cooperatives. Adler R, et al. **Am J Dis Child** 1987 Mar;141(3):277–8

Residency training [letter] Fulop M. **Ann Intern Med** 1987 Jun;106(6):915

Report of AAMC task force on residency transition. James AE Jr. **Invest Radiol** 1987 Jul;22(7):613–4

Moonlighting policy and practice in family practice residencies. Stange KC, et al. **J Fam Pract** 1987 Jan; 24(1):63–5

Physicians' evaluations of their moonlighting during residency training. Banahan BF Jr, et al. **J Med Educ** 1987 Apr;62(4):351–3

Two combined residency programs in internal medicine and pediatrics. Greganti MA, et al. **J Med Educ** 1986 Nov; 61(11):883–92

What does a house–surgeon on call for the wards do? Astill JL, et al. **Lancet** 1987 Jun 13;1(8546):1363–5

The house officer's changing world [letter] Matthews DA, et al. **N Engl J Med** 1987 Apr 2;316(14):883

STANDARDS

Ongoing evaluation in psychiatry: the first step toward quality. Borus JF, et al. **Am J Psychiatry** 1986 Nov; 143(11):1415–9

Shifts in attitudes among psychiatric residents: serial measures over 10 years. Coryell W. **Am J Psychiatry** 1987 Jul; 144(7):913–7

Applicants' choice of a residency training program. Sledge

WH, et al. **Am J Psychiatry** 1987 Apr;144(4):501–3
Stapedectomy results in a residency training program. Vernick DM. **Ann Otol Rhinol Laryngol** 1986 Sep–Oct;95(5 Pt 1):477–9
Chart audit of ambulatory care in a residency program: a comprehensive system. Crosby JT. **Fam Med** 1985 Jan–Feb; 17(1):17–20
Interrater agreement and predictive validity of faculty ratings of pediatric residents. Davis JK, et al. **J Med Educ** 1986 Nov;61(11):901–5
Long–term evaluation of training residents in clinical teaching skills. Edwards JC, et al. **J Med Educ** 1986 Dec; 61(12):967–70
Family practice residents' evaluation of a competency–based psychiatry curriculum. Gaskins SE, et al. **J Med Educ** 1987 Jan;62(1):41–6
Factors determining patients' satisfaction in a family practice residency teaching center. Gerace TM, et al. **J Med Educ** 1987 Jun;62(6):485–90
Premedical and medical school performance in predicting first–year residency performance. Gunzburger LK, et al. **J Med Educ** 1987 May;62(5):379–84
Ratings of residents' clinical competence and performance on certification examination. Norcini JJ, et al. **J Med Educ** 1987 Jun;62(6):457–62
Development and validation of an accomplishment interview for radiology residents. Tarico VS, et al. **J Med Educ** 1986 Oct;61(10):845–7
Using ratings of resident competence to evaluate NBME examination passing standards. Turner BJ, et al. **J Med Educ** 1987 Jul;62(7):572–81
Screening by family practice and internal medicine residents and the effect of an intervention program. Wayland MT, et al. **J Med Educ** 1987 Jun;62(6):519–22
Medical education [letter] Seddon TD. **NZ Med J** 1986 Nov 26;99(814):913
The case study as research in medical education: issues related to the educational quality of a medical residency program. Seefeldt M, et al. **Proc Annu Conf Res Med Educ** 1984;23:50–6
[Several aspects of educational progress in pre–graduate internship at the Mexican Institute of Social Security] Ruvalcaba–Cervantes VA, et al. **Gac Med Mex** 1987 Jan–Feb;123(1–2):19–26 **(Spa)**

TRENDS

Medical education in the 21st century [editorial] Metcalf HL. **Am Fam Physician** 1987 Aug;36(2):93–4, 96
The Pediatric Residency Program of the Future. I. The changing face of today's private pediatric practice [editorial] Kappy MS. **Am J Dis Child** 1987 Sep; 141(9):945–7
The Pediatric Residency Program of the Future. II. Tomorrow's private pediatric practice: a change in roles [editorial] Kappy MS. **Am J Dis Child** 1987 Oct; 141(10):1045–6
Practice makes perfect. Malakoff GL. **Am J Med** 1987 Aug; 83(2):338–9
Residency program of the Department of Otolaryngology–Head and Neck Surgery of Northwestern University Medical School. Kerth JD, et al. **Am J Otol** 1986 Nov;7(6):454–9
National Study of Internal Medicine Manpower: XI. Internal medicine residency and fellowship training in the 1980s. Cox MW, et al. **Ann Intern Med** 1987 May;106(5):734–40
Psychiatric residents and geriatric psychiatry. Roy J. **Can J Psychiatry** 1986 Dec;31(9):797–8
Traditional medicine: a modern casualty? Nelson S. **Hospitals** 1987 Oct 5;61(19):98
Future needs of academic pathology: viewpoints of chairpersons and faculty from departments of pathology. Anderson RE, et al. **Hum Pathol** 1986 Dec;17(12):1192–5
A brief history of optometric residency education. Amos JF. **J Am Optom Assoc** 1987 May;58(5):374–6
Residency training at the Kansas City Veterans Administration Medical Center: the first 10 years. Maino JH, et al. **J Am Optom Assoc** 1987 May;58(5):400–3
VA residencies. Myers KJ. **J Am Optom Assoc** 1987 May; 58(5):366–71

INTERNSHIP, DENTAL see **INTERNSHIP AND RESIDENCY**

INTERNSHIP, NONMEDICAL

Definitions of pharmacy residencies and fellowships. **Am J Hosp Pharm** 1987 May;44(5):1142–4
Medicare subsidy of hospital pharmacy residencies [letter] Curtiss FR. **Am J Hosp Pharm** 1987 May;44(5):1036
Opportunities for residents as coordinators of a hospital pharmacy externship program [letter] Giese RM, et al. **Am J Hosp Pharm** 1986 Oct;43(10):2392
Workload measurement of a clinical pharmacy residency program. Gray DR, et al. **Am J Hosp Pharm** 1987 Mar; 44(3):557–61
Learning RN first–assistant skills. Long CR. **AORN J** 1987 Jul;46(1):136–9
A clinical engineering internship program for undergraduate students. Repko KD, et al. **Biomed Sci Instrum** 1987; 23:211–6
Expanding undergraduate dietetic education through a health promotion internship program. Rye JA, et al. **J Am Diet Assoc** 1987 May;87(5):624–8
Apprenticeship clinical training in academia. Potash HM, et al. **J Clin Psychol** 1987 May;43(3):431–4
A technology residency in the future? [editorial] Thomas R. **Radiol Technol** 1978 Nov–Dec;50(3):285–6

STANDARDS

Resident–preceptor retreat for re–evaluating a pharmacy residency program. Brzozowski DF, et al. **Am J Hosp Pharm** 1987 Mar;44(3):562–4
Survey of graduates of a physician assistant internship concerning practice characteristics and adequacy of training. Keith DE, et al. **J Med Educ** 1987 Jun;62(6):517–9

TRENDS

Postgraduate education. Kanat IO. **J Am Podiatr Med Assoc** 1987 Aug;77(8):392

INTERPERSONAL RELATIONS

Underachievement and failure in college: the interaction between intrapsychic and interpersonal factors from the perspective of self psychology. Baker HS. **Adolesc Psychiatry** 1987;14:441–60
Early, middle, and late adolescents' views on dating and factors influencing partner selection. Roscoe B, et al. **Adolescence** 1987 Spring;22(85):59–68
Group therapy with friends of an adolescent suicide. Saffer JB. **Adolescence** 1986 Fall;21(83):743–5
Segmental influence: the case of educational and occupational significant others. Saltiel J. **Adolescence** 1986 Fall; 21(83):615–22
Profiles of mod revivalists: a case study of a reemerging adolescent group. Stevenson BW, et al. **Adolescence** 1987 Summer;22(86):393–404
The early adult transition and friendships: mechanisms of support. Tokuno KA. **Adolescence** 1986 Fall;21(83):593–606
How adolescents perceive their relationships. Werebe MJ. **Adolescence** 1987 Spring;22(85):129–42
Understanding family behavior. Rittelmeyer LF Jr. **Am Fam Physician** 1987 Mar;35(3):93–6
Social networks and social competence: exploring the effects of early adolescent friendships. Cauce AM. **Am J Community Psychol** 1986 Dec;14(6):607–28
Parent and social–skills training for mentally retarded mothers identified as child maltreaters. Fantuzzo JW, et al. **Am J Ment Defic** 1986 Sep;91(2):135–40
Facial expressions of mentally retarded and nonretarded children: I. Recognition by mentally retarded and nonretarded adults. Maurer H, et al. **Am J Ment Defic** 1987 Mar;91(5):505–10
Post–divorce contact, relationship with father, and heterosexual trust in female college students. Southworth S, et al. **Am J Orthopsychiatry** 1987 Jul;57(3):371–82
Sources of conflict in the medical marriage. Gabbard GO, et al. **Am J Psychiatry** 1987 May;144(5):567–72
Psychological and interpersonal issues in space. Kanas N. **Am J Psychiatry** 1987 Jun;144(6):703–9
Time management. Part V: Energy engineering. McGee–Cooper A. **AORN J** 1986 Dec;44(6):977, 980, 982
The potential of correspondence training for facilitating generalisation of social skills. Ralph A, et al. **Appl Res Ment Retard** 1986;7(4):415–29
Interpersonal problem–solving skills of retarded and nonretarded children. Smith DC. **Appl Res Ment Retard** 1986;7(4):431–42
Group conversational–skills training and social validation with mentally retarded adults. Wildman BG, et al. **Appl Res Ment Retard** 1986;7(4):443–58
Being assertive or being liked. A genuine dilemma? Lowe MR, et al. **Behav Modif** 1986 Oct;10(4):371–90
Perception of refusal assertion. The effects of conversational comments and compliments. Wildman BG. **Behav Modif** 1986 Oct;10(4):472–86
Specificity in response to treatment: a study of interpersonal anxiety. McCann BS, et al. **Behav Res Ther** 1987; 25(2):129–36
Classification procedures for differential treatment. Bornholt LJ, et al. **Br J Clin Psychol** 1987 May;26 (Pt 2):155–6
The weak Borda effect is of little relevance to social choice theory. Gillett R. **Br J Math Stat Psychol** 1986 May;39 (Pt 1):79–89
Statistical analysis of discrete relational data. Wasserman S, et al. **Br J Math Stat Psychol** 1986 May;39 (Pt 1):41–64
Attachment–detachment, directiveness–receptiveness: a system for classifying interpersonal attitudes and behaviour. Birtchnell J. **Br J Med Psychol** 1987 Mar;60 (Pt 1):17–27
Marital adjustment, intimacy and needs in female agoraphobics and their partners: a controlled study. Arrindell WA, et al. **Br J Psychiatry** 1986 Nov;149:592–602
Visibility and prestige of occupations and the importance of dental appearance. Jenny J, et al. **Can Dent Assoc J** 1986 Dec;52(12):987–9
The dyslexia–emotional dyad: implications for diagnosis and treatment. Kline CL. **Can J Psychiatry** 1986 Aug; 31(6):517–20
Clinical phobias and avoidant personality disorder among alcoholics admitted to an alcoholism rehabilitation setting. Stravynski A, et al. **Can J Psychiatry** 1986 Nov;31(8):714–9
Types of marital intimacy and prevalence of emotional illness. Waring EM, et al. **Can J Psychiatry** 1986 Nov;31(8):720–6
Competent kids: children and adolescents with a chronic illness. Perrin EC, et al. **Child Care Health Dev** 1987 Jan–Feb;13(1):13–32
Enhancing interest in peer interaction: a developmental analysis. Boggiano AK, et al. **Child Dev** 1986 Aug; 57(4):852–61
The development of companionship and intimacy. Buhrmester D, et al. **Child Dev** 1987 Aug;58(4):1101–13
Conflict, aggression, and peer status: an observational study. Shantz DW. **Child Dev** 1986 Dec;57(6):1322–32
The effects of consequences on patterns of social interaction: a quasi–experimental approach to reinforcement in natural interaction. Snyder J, et al. **Child Dev** 1986 Oct; 57(5):1257–68
Aggression and withdrawal as social schemas underlying children's peer perceptions. Younger AJ, et al. **Child Dev** 1987 Aug;58(4):1094–100
Social initiative and temperament in the second year. Schultz NW, et al. **Child Psychiatry Hum Dev** 1986 Winter; 17(2):88–94
Children's evaluations of their own peer relations. Tarnowski KJ, et al. **Child Psychiatry Hum Dev** 1986 Fall;17(1):28–37
Interagency alliances link young and old. Lyons CW. **Child Today** 1986 Sep–Oct;15(5):21–5
A randomized controlled trial of a 'buddy' programme to improve children's attitudes toward the disabled. Armstrong RW, et al. **Dev Med Child Neurol** 1987 Jun; 29(3):327–36
The effects of contact with handicapped persons on young children's attitudes. Esposito BG, et al. **Except Child** 1986 Nov;53(3):224–9
Friends in family therapy: use of a neglected resource. Haber R. **Fam Process** 1987 Jun;26(2):269–81
Teaching intergenerational communication as a speech/communication elective. Galassi FS, et al. **Gerontol Geriatr Educ** 1986 Spring;6(3):55–63
College students and institutionalized elderly: attitudinal effects of interactive contact. Miko PS. **Gerontol Geriatr Educ** 1986 Spring;6(3):37–42
Patterns of network change: a longitudinal study of friendships of elderly women. Adams RG. **Gerontologist** 1987 Apr;27(2):222–7
Affective aspects of an age–integrated water exercise program. Weiss CR, et al. **Gerontologist** 1987 Aug; 27(4):430–3
Use of a "permission giving" patient checklist in identification of social and sexual problems. Anderson WB. **Henry Ford Hosp Med J** 1986;34(4):267–9
Corticotropin–releasing factor has an anxiogenic action in the social interaction test. Dunn AJ, et al. **Horm Behav** 1987 Jun;21(2):193–202
Differential treatment planning for young adult chronic patients. Harris M, et al. **Hosp Community Psychiatry** 1987 Jun;38(6):638–43
Successful living: a social skills and problem–solving group for the chronic mentally ill. Hierholzer RW, et al. **Hosp Community Psychiatry** 1986 Sep;37(9):913–8
What's wrong with me, doctor? [editorial] Ferguson PC. **Indiana Med** 1987 Jul;80(7):632
Similarity of behavior within addict couples. Part II. Addiction–related variables. Anglin MD, et al. **Int J Addict** 1987 Jul;22(7):583–607
The social networks of drug abusers before and after treatment. Hawkins JD, et al. **Int J Addict** 1987 Apr; 22(4):343–55
How significant others cope with problem drinkers. Jung J. **Int J Addict** 1986 Jul;21(7):813–7
Interpersonal influences in adolescent drug use—the role of older siblings, parents, and peers. Needle R, et al. **Int J Addict** 1986 Jul;21(7):739–66
Social networks and mortality in an inner–city elderly population. Cohen CI, et al. **Int J Aging Hum Dev** 1986–87; 24(4):257–69
Interaction and well–being in old age: is it quantity or quality that counts? Gibson DM. **Int J Aging Hum Dev** 1986–87; 24(1):29–40
The social context and resources of the unmarried in old age. Keith PM. **Int J Aging Hum Dev** 1986;23(2):81–96
Impact of leprosy on family and intimate relationships. Ashamalla L. **Int J Dermatol** 1987 Jun;26(5):305–7
A comparative analysis of lay–caring and professional (nursing) caring relationships. Kitson AL. **Int J Nurs Stud** 1987;24(2):155–65
On newborn cuddliness. Papini M, et al. **Ital J Neurol Sci** 1986 Apr;Suppl 5:67–72
Peer interactions of normal and attention–deficit–disordered boys during free–play, cooperative task, and simulated classroom situations. Cunningham CE, et al. **J Abnorm Child Psychol** 1987 Jun;15(2):247–68
Social information processing and sociometric status: sex, age, and situational effects. Feldman E, et al. **J Abnorm Child Psychol** 1987 Jun;15(2):211–27
Maintaining social initiations of withdrawn handicapped and nonhandicapped preschoolers through a response–dependent fading tactic. Fox J, et al. **J Abnorm Child Psychol** 1986 Sep;14(3):387–96
Attention and social problem solving as correlates of aggression in preschool males. Gouze KR. **J Abnorm Child Psychol** 1987 Jun;15(2):181–97
Hyperactive children and peer interaction: knowledge and performance of social skills. Grenell MM, et al. **J Abnorm Child Psychol** 1987 Mar;15(1):1–13

Self-perceived and independently observed competence of young adolescents as a function of parental marital conflict and recent divorce. Long N, et al. **J Abnorm Child Psychol** 1987 Mar;15(1):15-27

Depression and the response of others: is the effect specific? King DA, et al. **J Abnorm Psychol** 1986 Nov;95(4):410-1

Interpersonal problem solving and coping reactions of Vietnam veterans with posttraumatic stress disorder. Nezu AM, et al. **J Abnorm Psychol** 1987 May;96(2):155-7

Social interaction patterns of high, average, and low sociometric status children. Roopnarine JL, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Jan;26(1):28-32

Language in intimacy and isolation: transitional dilemma, transformational resolution. Caruth EG. **J Am Acad Psychoanal** 1987 Jan;15(1):39-49

Interpersonal stress in medical education: correlates for men and women students. Spiegel DA, et al. **J Am Med Wom Assoc** 1987 Jan-Feb;42(1):19-21

Using an old skill--anew. Antelyes J. **J Am Vet Med Assoc** 1987 May 15;190(10):1270-2

Enhancing the social environments of elderly nursing home residents: are high rates of interaction enough? Carstensen LL, et al. **J Appl Behav Anal** 1986 Winter;19(4):349-55

An analysis of social skills generalization in two natural settings. Foxx RM, et al. **J Appl Behav Anal** 1986 Fall; 19(3):299-305

Telephone conversational skills training with socially isolated, impaired nursing home residents. Praderas K, et al. **J Appl Behav Anal** 1986 Winter;19(4):337-48

Unprogrammed effects of training high-status peers to interact with severely handicapped children. Sasso GM, et al. **J Appl Behav Anal** 1987 Spring;20(1):35-44

Autistic children's responses to structure and to interpersonal demands. Clark P, et al. **J Autism Dev Disord** 1981 Jun; 11(2):201-17

Language, social, and cognitive impairments in autism and severe mental retardation. Wing L. **J Autism Dev Disord** 1981 Mar;11(1):31-44

Increasing a child's prosocial behaviors: positive and negative consequences in correspondence training. Osnes PG, et al. **J Behav Ther Exp Psychiatry** 1987 Mar;18(1):71-6

Social interactions of autistic, mentally retarded and normal children and their caregivers. Sigman M, et al. **J Child Psychol Psychiatry** 1986 Sep;27(5):647-55

Living with a depressed person. Coyne JC, et al. **J Consult Clin Psychol** 1987 Jun;55(3):347-52

Diversion of juvenile offenders: an experimental comparison. Davidson WS 2d, et al. **J Consult Clin Psychol** 1987 Feb; 55(1):68-75

Problem-solving skills training and relationship therapy in the treatment of antisocial child behavior. Kazdin AE, et al. **J Consult Clin Psychol** 1987 Feb;55(1):76-85

Heterosocial perception in rapists. Lipton DN, et al. **J Consult Clin Psychol** 1987 Feb;55(1):17-21

Self- and peer perceptions and attributional biases of aggressive and nonaggressive boys in dyadic interactions. Lochman JE. **J Consult Clin Psychol** 1987 Jun;55(3):404-10

Individualizing social skills training for behavior-disordered children. Schneider BH, et al. **J Consult Clin Psychol** 1987 Jun;55(3):444-5

Environmental influences on grading. Gilles JA, et al. **J Dent Educ** 1987 Feb;51(2):111-3

The clinical significance and assessment of poor peer relations: peer neglect versus peer rejection. Bierman KL. **J Dev Behav Pediatr** 1987 Aug;8(4):233-40

Children and aging: attitudes, differentiation ability, and quantity and quality of contact. Rosenwasser SM, et al. **J Genet Psychol** 1986 Sep;147(3):407-15

Contact with the mentally ill and perceptions of how dangerous they are. Link BG, et al. **J Health Soc Behav** 1986 Dec;27(4):289-302

The effects of personal interaction on triglyceride and uric acid levels, and coronary risk in a managerial population: a longitudinal study. Howard JH, et al. **J Human Stress** 1986 Summer;12(2):53-63

Human experimentation during the International Biomedical Expedition to the Antarctic (IBEA). Taylor AJ, et al. **J Human Stress** 1985 Winter;11(4):161-4

The development of the interpersonal construct system in educable mentally retarded children. Bliss LS. **J Ment Defic Res** 1986 Sep;30 (Pt 3):261-9

Black medical students' perceptions of the academic environment and of faculty and peer interactions. Frierson HT Jr. **J Natl Med Assoc** 1987 Jul;79(7):737-43

Classroom social interactions of attention deficit disorder with hyperactivity children as a function of stimulant medication. Wallander JL, et al. **J Pediatr Psychol** 1987 Mar;12(1):61-76

On the several facets of personality assessment: The case of social acuity. Funder DC, et al. **J Pers** 1986 Sep; 54(3):528-50

Development of self-relatedness in descriptions of others over adolescence. O'Mahony JF. **J Pers** 1986 Sep; 54(3):494-505

Effects of negative ions on interpersonal attraction: evidence for intensification. Baron RA. **J Pers Soc Psychol** 1987 Mar; 52(3):547-53

Tactics of manipulation. Buss DM, et al. **J Pers Soc Psychol** 1987 Jun;52(6):1219-29

Recipient's mood, relationship type, and helping. Clark MS, et al. **J Pers Soc Psychol** 1987 Jul;53(1):94-103

Enhancing hypnotic susceptibility: interpersonal and rapport factors. Gfeller JD, et al. **J Pers Soc Psychol** 1987 Mar; 52(3):586-95

Affiliation motivation: people who need people ... but in different ways. Hill CA. **J Pers Soc Psychol** 1987 May; 52(5):1008-18

A social relations model test of Sullivan's anxiety hypothesis. Ingraham LJ, et al. **J Pers Soc Psychol** 1987 Jun; 52(6):1212-8

Relationship quality of partners in heterosexual married, heterosexual cohabiting, and gay and lesbian relationships. Kurdek LA, et al. **J Pers Soc Psychol** 1986 Oct; 51(4):711-20

Social ties: subgroup differences in costs and benefits. Riley D, et al. **J Pers Soc Psychol** 1986 Oct;51(4):770-8

Social support versus companionship: effects on life stress, loneliness, and evaluations by others. Rook KS. **J Pers Soc Psychol** 1987 Jun;52(6):1132-47

Reactions of would-be helpers whose offer of help is spurned. Rosen S, et al. **J Pers Soc Psychol** 1987 Aug;53(2):288-97

Responses to depressed interpersonal behavior: mixed reactions in a helping role. Stephens RS, et al. **J Pers Soc Psychol** 1987 Jun;52(6):1274-82

The cognitive-affective crossfire: when self-consistency confronts self-enhancement. Swann WB Jr, et al. **J Pers Soc Psychol** 1987 May;52(5):881-9

Accountability and judgment processes in a personality prediction task. Tetlock PE, et al. **J Pers Soc Psychol** 1987 Apr;52(4):700-9

Poor social performance of lonely people: lacking a skill or adopting a role? Vitkus J, et al. **J Pers Soc Psychol** 1987 Jun;52(6):1266-73

Person memory and judgments: the impact of information that one is told to disregard. Wyer RS Jr, et al. **J Pers Soc Psychol** 1987 Jul;53(1):14-29

Complexities and clarity in nurse-client and nurse-patient relationships. Nowakowski L. **J Prof Nurs** 1985 Jul-Aug; 1(4):212-6

Young adults' caregiving and the age level of a potential recipient. Alley TR, et al. **J Psychol** 1986 Nov; 120(6):567-80

Isolated teenagers, cooperative learning, and the training of social skills. Mesch D, et al. **J Psychol** 1986 Jul; 120(4):323-34

Tracking the psychosocial predictors of older individuals' television uses. Perloff RM, et al. **J Psychol** 1987 Jul; 121(4):365-72

The silent gift: a project for spiritual health. Jose NL. **J Sch Health** 1987 Feb;57(2):72-3

Enhancement of attitudes toward handicapped children through social interactions. Newberry MK, et al. **J Soc Psychol** 1987 Feb;127(1):59-62

Effects of status and solidarity on familiarity in written communication. McMullen LM, et al. **Lang Speech** 1985 Oct-Dec;28 (Pt 4):391-402

Educational relationships. Magill MK, et al. **Med Teach** 1986; 8(2):149-54

The recovery of trust. Bateson P. **Med War** 1985 Sep-Dec; 1(3):169-76

Interactions of preschoolers with and without handicaps in integrated and segregated settings: a longitudinal study. Beckman PJ, et al. **Ment Retard** 1987 Feb;25(1):5-11

Early social experience and the development of representational competence. Sigel IE. **New Dir Child Dev** 1986 Jun;(32):49-65

Sociometric status and social interaction: are the neglected children socially less active? Bégin G. **Percept Mot Skills** 1986 Oct;63(2 Pt 2):823-30

Evaluating adolescents' popularity with the Draw-a-Friend Test. Svec HJ, et al. **Percept Mot Skills** 1987 Feb;64(1):326

Interpersonal skills education in entry-level physical therapy programs. Guccione AA, et al. **Phys Ther** 1987 Mar; 67(3):388-93

An interpersonally based cognitive-behavioral psychotherapy. Thompson JK, et al. **Prog Behav Modif** 1987;21:230-58

College youth: gender roles in flux. Komarovsky M. **Psychoanal Rev** 1986 Winter;73(4):611-3

Male-female relationships: 600 years of change. Nadelson CC. **Psychoanal Rev** 1986 Winter;73(4):600-5

The relation of empathy to prosocial and related behaviors. Eisenberg N, et al. **Psychol Bull** 1987 Jan;101(1):91-119

Errors and mistakes: evaluating the accuracy of social judgment. Funder DC. **Psychol Bull** 1987 Jan;101(1):75-90

Meta-analytic review of sex differences in group performance. Wood W. **Psychol Bull** 1987 Jul;102(1):53-71

Social interaction following severe closed head injury. Elsass L, et al. **Psychol Med** 1987 Feb;17(1):67-78

Social and conversational skills training with long-term psychiatric inpatients. Fecteau GW, et al. **Psychol Rep** 1986 Dec;59(3):1327-31

The human tongue show and observers' willingness to interact: replication and extensions. Jones N, et al. **Psychol Rep** 1987 Jun;60(3 Pt 1):759-64

Narcissism and social interest among counselors-in-training. Miller MJ, et al. **Psychol Rep** 1987 Jun;60(3 Pt 1):765-6

Shyness situations: perspectives of a diverse sample of shy females. Watson AK, et al. **Psychol Rep** 1986 Dec; 59(3):1040-2

Interpersonal and pharmacologic treatment in schizophrenia: a comparative study of new approaches. Carpenter WT Jr, et al. **Psychopharmacol Bull** 1986;22(3):854-9

The Rorschach Interaction Scale as a potential predictor of cancer. Graves PL, et al. **Psychosom Med** 1986 Nov-Dec; 48(8):549-63

Social networks and coronary artery disease: a comparison of the structure and function of social relations as predictors of disease. Seeman TE, et al. **Psychosom Med** 1987 Jul-Aug;49(4):341-54

Influence of partnership on the outcome of psychotherapy. Riehl A. **Psychother Psychosom** 1986;45(1):37-45

Interpersonal understanding in the elderly. The influence of age-integrated and age-segregated housing. Cohen F, et al. **Res Aging** 1987 Mar;9(1):79-100

Social skills and interpersonal problem solving skills in suicidal adolescents. Gresham FM, et al. **Semin Adolesc Med** 1986 Dec;2(4):285-92

The Interview Measure of Social Relationships: the description and evaluation of a survey instrument for assessing personal social resources. Brugha TS, et al. **Soc Psychiatry** 1987;22(2):123-8

Psycho-social and environmental factors in triad model for the management of control programme: focus on leprosy. Valencia LB. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):442-50

Interpersonal problem-solving deficits in self-poisoning patients. McLeavey BC, et al. **Suicide Life Threat Behav** 1987 Spring;17(1):33-49

Women's important relationships during pregnancy and the preterm labor event. Richardson P. **West J Nurs Res** 1987 May;9(2):203-22

Cost and conflict. The darker side of social support. Tilden VP, et al. **West J Nurs Res** 1987 Feb;9(1):9-18

[Management of family members of schizophrenic patients] van Meer CR. **Ned Tijdschr Geneeskd** 1987 Jul 4; 131(27):1156-8 **(Dut)**

[Friendships among the elderly] Dykstra P. **Tijdschr Gerontol Geriatr** 1987 Jun;18(3):173-8 (Eng. Abstr.) **(Dut)**

[Changes in social interaction following a CVA. Practical experience at a rehabilitation center] Kusters P, et al. **Tijdschr Gerontol Geriatr** 1987 Apr;18(2):81-4 (Eng. Abstr.) **(Dut)**

[The person and the context: on the relative significance of mimetic behavior and situational information in the assessment of emotions] Wallbott HG. **Arch Psychol (Frankf)** 1986;138(4):211-31 (Eng. Abstr.) **(Ger)**

[Social medicine management of diabetic patients. Analysis of tasks and problem areas at a diabetes clinic] Petzoldt R, et al. **Fortschr Med** 1986 Dec 4;104(45):876-8 (Eng. Abstr.) **(Ger)**

[Assessment of social hearing with a questionnaire in relation to average hearing loss] Dieroff HG, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Jun;66(6):338-40 (Eng. Abstr.) **(Ger)**

[Paradigm change in medicine. Principles of ecologic medicine] Begemann H. **Med Klin** 1986 Jan 31;81(2):64-8 **(Ger)**

[Dying as an interpersonal event. Removing fear--ameliorating pain--living the time left] Eisner M. **Med Klin [Suppl]** 1986 Mar 18;1(1):4-5 **(Ger)**

[From becoming to being: energy conditions for the evolution of social relations in the animal kingdom] Wieser W. **Naturwissenschaften** 1986 Sep;73(9):543-9 (Eng. Abstr.) **(Ger)**

[Cancer patients among one's circle of acquaintances--effect on participation in early cancer detection studies] Neuser J, et al. **Off Gesundheitswes** 1986 Nov;48(11):599-604 (Eng. Abstr.) **(Ger)**

[Interpersonal conflict defense in patients with inflammatory rheumatic diseases--results of an empirical psychoanalytic study] Jordan J, et al. **Psychother Psychosom Med Psychol** 1987 Mar-Apr; 37(3-4):111-20 (Eng. Abstr.) **(Ger)**

[Crises in interpersonal relations--stimulation or blocking of mutual growth?] Willi J. **Schweiz Arch Neurol Psychiatr** 1986;137(6):21-31 (Eng. Abstr.) **(Ger)**

[The course of schizophrenia in continued marriage and loss of the partner] Hell D, et al. **Soz Praventivmed** 1987; 32(3):154-6 (Eng. Abstr.) **(Ger)**

[Awareness of death and interpersonal relations in induced abortion] Petersen P. **Z Geburtshilfe Perinatol** 1987 Mar-Apr;191(2):47-54 (Eng. Abstr.) **(Ger)**

[Group relations outside the family of elderly females--some theses and reflections exemplified by 3 groups] Backes G. **Z Gerontol** 1986 Sep-Oct;19(5):369-73 (Eng. Abstr.) **(Ger)**

[Relations between self-reported social contacts and extraversion and self awareness in male and female students (published erratum appears in Z Klin Psychol Psychopathol Psychother 1987;35(1):96)] Ederer E. **Z Klin Psychol Psychopathol Psychother** 1986;34(4):308-14 **(Ger)**

[Contact behavior of elderly females living alone from the social psychologic viewpoint--an exploratory study. II: Social contact with children (close relations) and with other relatives (siblings, extended family)] Klose S, et al. **ZFA** 1987 Jan-Feb;42(1):21-8 (Eng. Abstr.) **(Ger)**

[Contact behavior of elderly females living alone from the social psychologic viewpoint--an exploratory study. I: Theoretical and methodologic principles] Klose S, et al. **ZFA** 1987 Jan-Feb;42(1):15-9 (Eng. Abstr.) **(Ger)**

[Contact behavior of elderly females living alone from the

social psychologic viewpoint—a preliminary study. III: Social contacts with friends/relatives including contacts with neighbors and former colleagues] Klose S, et al. **ZFA** 1987 Mar-Apr;42(2):127-32 (Eng. Abstr.) **(Ger)**

[Partnership relations, sexuality and sexual behavior in elderly females and males after age 55. I. Partnership relations and sexuality from the social gynecologic and sociological viewpoint] Weissbach-Rieger A. **ZFA** 1987 Jul-Aug; 42(4):203-5 (Eng. Abstr.) **(Ger)**

[Partnership relations, sexuality and sexual behavior in elderly females and males after age 55. Partnership relations, sexuality and sexual reactions] Weissbach-Rieger A. **ZFA** 1987 Jul-Aug;42(4):207-9 (Eng. Abstr.) **(Ger)**

[Housestaff guidelines for interpersonal relationships] Glick S. **Harefuah** 1986 Nov 16;111(10):347-9 **(Heb)**

[Aspects of pseudomutuality between the schizophrenic patient, his family and the patient care team] Arsuffi A, et al. **Minerva Psichiatr** 1987 Jan-Mar;28(1):19-24 (Eng. Abstr.) **(Ita)**

[Analysis of interpersonal experience as a function of psychological distance and the level of acquaintanceship] Yamane I. **Shinrigaku Kenkyu** 1987 Feb;57(6):329-34 (Eng. Abstr.) **(Jpn)**

[Psychophysiologic aspect of regulating dyadic interpersonal interaction] Medvedev VI, et al. **Fiziol Cheloveka** 1986 Sep-Oct;12(5):754-60 **(Rus)**

[Social contacts and attitude toward cancer patients] Gerasimenko VN, et al. **Vopr Onkol** 1986;32(11):50-5 (Eng. Abstr.) **(Rus)**

[Family factors and the course of schizophrenia] Fernández Hermida JR, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1986 Nov-Dec;14(6):431-54 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Research on the effects of psychodrugs on human interaction. A theoretical/experimental approach. De Giacomo P, et al. **Acta Psychiatr Scand** 1986 Nov;74(5):417-24

INTERPHASE

Effect of tensile force magnitude on release of cranial suture cells into S phase. Hickory WB, et al. **Am J Orthod Dentofacial Orthop** 1987 Apr;91(4):328-34

Acute and late radiation injury in rhesus monkey parotid glands. Evidence of interphase cell death. Stephens LC, et al. **Am J Pathol** 1986 Sep;124(3):469-78

Factors influencing ADP-ribosylation differences between chromosomal proteins of interphase and metaphase HeLa cells. Adolph KW. **Arch Biochem Biophys** 1987 Feb 15; 253(1):176-88

In vitro immunohistochemical localization of S-phase cells by a monoclonal antibody to bromodeoxyuridine. Risio M, et al. **Basic Appl Histochem** 1986;30(4):469-77

Isolation of murine pluripotent hemopoietic stem cells in the Go phase. Miyama-Inaba M, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):687-94

An electron microscopic study of nucleolus-organizing regions at some stages of the cell cycle (G0 period, G2 period, mitosis). Hozák P, et al. **Biol Cell** 1986; 57(3):197-205

Interphase cell flow cytometry as a means of monitoring genomic size in normal and neoplastoid cell cultures. Hoehn H, et al. **Cancer Genet Cytogenet** 1987 Feb; 24(2):191-204

Enhanced G2 chromatid radiosensitivity, an early stage in the neoplastic transformation of human epidermal keratinocytes in culture. Gantt R, et al. **Cancer Res** 1987 Mar 1;47(5):1390-7

Association of DNA index and S-phase fraction with prognosis of nodes positive early breast cancer. Hedley DW, et al. **Cancer Res** 1987 Sep 1;47(17):4729-35

Bovine papilloma virus plasmids replicate randomly in mouse fibroblasts throughout S phase of the cell cycle. Gilbert DM, et al. **Cell** 1987 Jul 3;50(1):59-68

S phase mouse embryo fibroblasts secrete varying amounts of a 45,000 dalton protein. Nagashunmugam T, et al. **Cell Biol Int Rep** 1987 Mar;11(3):147-55

Stress fiber and cleavage furrow formation in living cells microinjected with fluorescently labeled alpha-actinin. Sanger JM, et al. **Cell Motil Cytoskeleton** 1987;7(3):209-20

Flow cytometric analysis of the recruitment of G0 cells in human epidermis in vivo following tape stripping. Boezeman JB, et al. **Cell Tissue Kinet** 1987 Jan;20(1):99-107

Analysis of the length of S-phase required to show sister chromatid differential staining. Crossen PE, et al. **Cell Tissue Kinet** 1986 Sep;19(5):527-32

Factors influencing replicon organization in tissues having different S-phase durations in the mole rat, Bandicota bengalensis. Dubey DD, et al. **Chromosoma** 1987; 95(4):285-9

Quantitative analysis of a nuclear antigen in interphase and mitotic cells. Clevenger CV, et al. **Cytometry** 1987 May; 8(3):280-6

Influence of systematic errors on the evaluation of the S phase portions from DNA distributions of solid tumors as shown for 328 breast carcinomas. Haag D, et al. **Cytometry** 1987 Jul;8(4):377-85

DNA flow cytometry of control Euglena and cell cycle blockade of vitamin B12-starved cells. Lefort-Tran M, et al. **Cytometry** 1987 Jan;8(1):46-54

A pragmatic approach to the analysis of DNA histograms with a definable G1 peak. Watson JV, et al. **Cytometry** 1987 Jan;8(1):1-8

S-phase cell detection with a monoclonal antibody. Miltenburger HG, et al. **Dev Biol Stand** 1987;66:91-9

Distinction between the G0 and the late G1 phase of rat cells in vivo and in vitro with the nuclear QDH-fluorescence pattern. Moser G, et al. **Eur J Cell Biol** 1987 Aug;44(1):156-60

Keratin filament disruption in interphase and mitotic cells—how is it induced? Tölle HG, et al. **Eur J Cell Biol** 1987 Feb;43(1):35-47

Analysis of the G1 arrest position of senescent WI38 cells by quinacrine dihydrochloride nuclear fluorescence. Evidence for a late G1 arrest. Gorman SD, et al. **Exp Cell Res** 1986 Nov;167(1):87-94

Serum-induced G0/G1 transition in chemically transformed 3T3 cells. Independence of protein synthesis, stable "memory", and enhancement by cycloheximide pretreatment. Gray HE, et al. **Exp Cell Res** 1987 Mar; 169(1):95-104

Direct evidence for the non-random localization of mammalian chromosomes in the interphase nucleus. Hadlaczky G, et al. **Exp Cell Res** 1986 Nov;167(1):1-15

Isolation and analysis of a mammalian temperature-sensitive mutant defective in G2 functions. Mineo C, et al. **Exp Cell Res** 1986 Nov;167(1):53-62

Induction of cellular DNA synthesis in G0-specific ts mutant, tsJT60, following infection with SV40 and adenoviruses. Ninomiya-Tsuji J, et al. **Exp Cell Res** 1987 Aug; 171(2):509-12

Epidermal growth factor has a unique effect in combination with fetal bovine serum to bypass the ts-block of G0-specific ts mutant tsJT60. Ninomiya-Tsuji J, et al. **Exp Cell Res** 1987 Jul;171(1):86-93

Simultaneous enrichment of HL-60 cells in G1 and separation from differentiating cells by centrifugal elutriation for studies on differentiation induction. Ohmann J, et al. **Exp Cell Res** 1987 Apr;169(2):524-30

The blocked pinocytic activity of mitotic cells is restored in mitotic-interphase hybrids. Oliver JM, et al. **Exp Cell Res** 1987 Aug;171(2):475-82

Isolation of a human X chromosome-linked gene essential for progression from G1 to S phase of the cell cycle. Sekiguchi T, et al. **Exp Cell Res** 1987 Apr;169(2):395-407

On the position of nucleolus organizer regions (NORs) in interphase nuclei. Studies with a new, non-autoradiographic in situ hybridization method. Wachtler F, et al. **Exp Cell Res** 1986 Nov;167(1):227-40

Disappearance of statin, a protein marker for non-proliferating and senescent cells, following serum-stimulated cell cycle entry. Wang E, et al. **Exp Cell Res** 1986 Nov;167(1):135-43

Autoradiographic, ultrastructural and interferometric analyses of the temperature effect on the synthesis and migration of ribosomes in root meristem cells of Helianthus annuus L. relation to S phase initiation. Olszewska MJ, et al. **Folia Histochem Cytobiol** 1987;25(1):69-77

Cervical carcinoma DNA content, S-fraction, and malignancy grading. II. Comparison with clinical staging. Adelson MD, et al. **Gynecol Oncol** 1987 Jan;26(1):57-70

Cervical carcinoma DNA content, S-fraction, and malignancy grading. I. Interrelationships. Johnson TS, et al. **Gynecol Oncol** 1987 Jan;26(1):41-56

DA-DAPI positive heterochromatin in the interphase nuclei of human white blood cells. Gruber K, et al. **Haematologica (Pavia)** 1987 Jan-Feb;72(1):5-9

Detection of chromosome aberrations in the human interphase nucleus by visualization of specific target DNAs with radioactive and non-radioactive in situ hybridization techniques: diagnosis of trisomy 18 with probe L1.84. Cremer T, et al. **Hum Genet** 1986 Dec;74(4):346-52

The nuclear skeleton and the spatial arrangement of chromosomes in the interphase nucleus of vertebrate somatic cells. Hubert J, et al. **Hum Genet** 1986 Sep; 74(1):1-15 (191 ref.)

Transformation sensitivity in early S-phase and clonogenic potential are target-cell characteristics in liver carcinogenesis by N-methyl-N-nitrosourea. Maguire S, et al. **Int J Cancer** 1987 Mar 15;39(3):385-9

Serum-activated T51B rat liver cells transiently accumulate cyclic AMP-dependent protein kinases on their surfaces during the G1 phase. Kleine LP, et al. **J Cell Physiol** 1987 Aug;132(2):354-8

Alpha-thrombin-induced inositol phosphate formation in G0-arrested and cycling hamster lung fibroblasts: evidence for a protein kinase C-mediated desensitization response. L'Allemain G, et al. **J Cell Physiol** 1986 Nov;129(2):167-74

Transition from mitosis to interphase in sea urchin first division: immunofluorescence studies of tubulin distribution in methacrylate sections. Harris PJ, et al. **J Histochem Cytochem** 1987 Mar;35(3):343-9

S-phase detection with an antibody to bromodeoxyuridine. Role of DNase pretreatment. Gonchoroff NJ, et al. **J Immunol Methods** 1986 Oct 23;93(1):97-101

Cell cycle controls in higher eukaryotic cells: resting state or a prolonged G1 period? Epifanova OI, et al. **J Theor Biol** 1986 Jun 21;120(4):467-77

Percentage of S-phase cells in bone marrow aspirates, biopsy specimens and bone marrow aspirates corrected for blood dilution from patients with acute leukemia. Colly LP, et al. **Leuk Res** 1987;11(3):209-13

The viral Ki-ras gene must be expressed in the G2 phase if ts Kirsten sarcoma virus-infected NRK cells are to proliferate in serum-free medium. Durkin JP, et al. **Mol Cell Biol** 1987 Jan;7(1):444-9

Cloning of a human S-phase cell cycle gene: use of transient expression for screening. Fainsod A, et al. **Mol Cell Biol** 1987 Feb;7(2):775-9

Metaphase protein phosphorylation in Xenopus laevis eggs. Lohka MJ, et al. **Mol Cell Biol** 1987 Feb;7(2):760-8

Homologous recombination between coinjected DNA sequences peaks in early to mid-S phase. Wong EA, et al. **Mol Cell Biol** 1987 Jun;7(6):2294-5

Release of mature starfish oocytes from interphase arrest by microinjection of human centrosomes. Picard A, et al. **Nature** 1987 May 14-20;327(6118):170-2

Replication timing: histone genes replicate during early S phase in cleavage-stage embryos of sea urchin. Watanabe N, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9509-19

Proliferation-sensitive nuclear phosphoprotein "dividin" is synthesized almost exclusively during S phase of the cell cycle in human AMA cells. Celis JE, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8187-90

Molecular cloning of a gene that is necessary for G1 progression in mammalian cells. Greco A, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1565-9

Arrangement of chromosomes in interphase cell nuclei. Saumweber H. **Results Probl Cell Differ** 1987;14:223-34 (53 ref.)

Curvilinear, three-dimensional motion of chromatin domains and nucleoli in neuronal interphase nuclei. De Boni U, et al. **Science** 1986 Nov 14;234(4778):863-6

[Role of G0- and G1-splenocytes and antigen-binding lymphocytes in the production of antigen-dependent nonspecific immunoglobulins] Agadzhanian MG, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):589-92 (Eng. Abstr.) **(Rus)**

[Resonance nature of the relation of mouse survival to the interval between administrations of the S-specific agent—hydroxyurea] Dibrov BF, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):594-6 (Eng. Abstr.) **(Rus)**

[Structure of the interphase chromatin in the peripheral blood cells of children with acute lympholeukemia and in their healthy parents] Iudina IE, et al. **Biull Eksp Biol Med** 1987 May;103(5):573-5 (Eng. Abstr.) **(Rus)**

[Complementary DNA modification in metaphase chromosomes and interphase chromatin] Beliaev ND, et al. **Dokl Akad Nauk SSSR** 1986 Nov-Dec;291(1):234-6 **(Rus)**

[4 discrete states of the supramolecular structure of interphase chromatin in hepatocytes] Nemirovskiĭ LE, et al. **Dokl Akad Nauk SSSR** 1987;292(2):468-72 **(Rus)**

[Fine structure of the nucleus of the parasitic flagellate Trypanoplasma borreli (Kinetoplastida) in the interphase and mitosis] Skarlato SO. **Dokl Akad Nauk SSSR** 1987 Mar-Apr;293(1):220-1 **(Rus)**

DRUG EFFECTS

Prevention of adriamycin-induced interphase death by 3-aminobenzamide and nicotinamide in a human promyelocytic leukemia cell line. Tanizawa A, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):1031-6

Amiloride added together with bumetanide completely blocks mouse 3T3-cell exit from G0/G1-phase and entry into S-phase. Panet R, et al. **Biochem J** 1986 Nov 1; 239(3):745-50

Carcinogenic doses of methylnitrosourea induce dose response related delay in transit through S and G2 phases in mouse epidermis: a cell kinetic study. Kirkhus B, et al. **Carcinogenesis** 1987 Mar;8(3):369-75

Colcemid inhibits growth during early G1 in normal but not in tumorigenic lymphocytes. Kenter AL, et al. **Exp Cell Res** 1986 Nov;167(1):241-51

Transforming growth factor type beta (TGF beta) inhibits G1 to S transition, but not activation of human B lymphocytes. Smeland EB, et al. **Exp Cell Res** 1987 Jul; 171(1):213-22

Effects of 25-hydroxycholesterol, cholesterol, and isoprenoid derivatives on the G1 progression in Swiss 3T3 cells. Larsson O, et al. **J Cell Physiol** 1986 Oct;129(1):94-102

Post-treatments with sodium arsenite during G2 enhance the frequency of chromosomal aberrations induced by S-dependent clastogens. Lee TC, et al. **Mutat Res** 1986 Dec;163(3):263-9

Different effects of 1-beta-D-arabinofuranosylcytosine and aphidicolin in S-phase cells—chromosome aberrations, cell-cycle delay and cytotoxicity. Moore RC, et al. **Mutat Res** 1987 May;178(1):73-80

A c-myc antisense oligodeoxynucleotide inhibits entry into S phase but not progress from G0 to G1. Heikkila R, et al. **Nature** 1987 Jul 30-Aug 5;328(6129):445-9

[Formation of microfilament bundles in the tumor cell interphase nuclei of a rat neurinoma exposed to dimethyl sulfoxide] Poliakova GP, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):466-8 (Eng. Abstr.) **(Rus)**

[Quantitative analysis of the effect of cysteamine on interphase cell death by flow cytometry] Pechatnikov VA, et al. **Radiobiologiia** 1986 Nov-Dec;26(6):798-800 (Eng. Abstr.) **(Rus)**

[Modification of the interphase death of thymocytes by using colcemid] Sungurov AIu, et al. **Radiobiologiia** 1986 Nov-Dec;26(6):805-9 (Eng. Abstr.) **(Rus)**

[Delayed disruption of the telomeric links between

chromosomes in experimentally induced cells with micronuclei exposed to 5-bromodeoxyuridine in the 1st S period after colcemid administration] Stobetskiĭ VI, et al. **Tsitologiia** 1987 Jun;29(6):724-7 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Dimethylsulfoxide reduces the X-ray-induced G2 delay in Chinese hamster ovary cells. Kimura H. **J Radiat Res (Tokyo)** 1986 Sep;27(3):277-83

[Nature of breaks inducible in DNA at the early stages of interphase cell death] Beletskiĭ IP, et al. **Radiobiologiia** 1987 Mar-Apr;27(2):227-30 (Eng. Abstr.) **(Rus)**

[Mathematical model of interphase cell death. Biophysical justification and generalization] Kosevich AM, et al. **Radiobiologiia** 1987 Jan-Feb;27(1):12-5 (Eng. Abstr.) **(Rus)**

[Prostaglandins and interphase death of irradiated cells] Romantsev EF, et al. **Radiobiologiia** 1986 Sep-Oct; 26(5):579-90 (88 ref.) (Eng. Abstr.) **(Rus)**

[Determination of the radiosensitivity of interphase-dying cells in the thymus, spleen and bone marrow of rats by flow cytometry] Umanskiĭ SR, et al. **Radiobiologiia** 1986 Nov-Dec;26(6):728-32 (Eng. Abstr.) **(Rus)**

INTERPROFESSIONAL RELATIONS

Proceedings of the 3rd Congress of the International Federation of Psychiatric Epidemiology. Cooperation between clinicians and epidemiologists. Brussels, September 9-11, 1985. **Acta Psychiatr Belg** 1986 Jul-Aug; 86(4):337-508 **(Eng, Mul)**

Epidemiology and clinical psychiatry. Cooper B. **Acta Psychiatr Belg** 1986 Jul-Aug;86(4):340-8

Participation in decision-making by staff in community mental health programs. Cherniss C, et al. **Am J Community Psychol** 1978 Apr;6(2):171-90

A common thread. Andrews L. **Am J Nurs** 1986 Oct; 86(10):1204

The hunt for the really bad nurse. DeFeo D. **Am J Nurs** 1987 Feb;87(2):270

Taming a tyrant. Montgomery CL. **Am J Nurs** 1987 Feb; 87(2):234, 238

Games nurses play. Part 4. Pin the tail on the donkey and war. Roberts JD. **Am J Nurs** 1986 Oct;86(10):1101-2

Imprisoned within ourselves. Seddio NC. **Am J Nurs** 1987 Jan;87(1):54-5

General practitioners and orthodontics. Smith RJ. **Am J Orthod Dentofacial Orthop** 1987 Aug;92(2):169-72

Psychiatry in medicine: medicine in psychiatry. Pasnau RO. **Am J Psychiatry** 1987 Aug;144(8):975-80

Dentists' consulting behavior and associated knowledge levels. Sadowsky D, et al. **Am J Public Health** 1987 Aug; 77(8):1000-1

Networking can lead to success. Arvidson AC. **AORN J** 1986 Nov;44(5):714, 716

New managers: establishing a niche with former peers. Farabaugh NF, et al. **AORN J** 1987 Feb;45(2):420-8

Simulation games. Playing to win and to learn. Rothrock JC. **AORN J** 1986 Nov;44(5):803-7

Psychiatry and psychology: the wall [letter] Kingsbury SJ. **Arch Gen Psychiatry** 1987 Apr;44(4):391-2

Successful liaison between the health team and social workers in Blackburn, West Lothian. McKinstry B. **Br Med J** 1987 Jan 24;294(6566):221-2

Health care of the elderly: the need for interprofessional cooperation [editorial] Flaherty MJ. **Can Med Assoc J** 1987 Sep 1;137(5):381-3

Collaboration, not co-optation. Fried BJ. **Can Med Assoc J** 1986 Oct 1;135(7):733-6

Physicians and administrators must give up old ways of thinking. Ward TF. **Dimens Health Serv** 1987 Feb;64(1):24

Survey of the professional interrelations between dermatologist and pharmacist. Araujo OE, et al. **Drug Intell Clin Pharm** 1986 Nov;20(11):876-80

The family therapist and the family physician: a cooperative model. Kriesel HT, et al. **Fam Med** 1986 Jul-Aug; 18(4):197-200

Financial and clinical relationships between family practice and the academic medical center. Schwenk TL, et al. **Fam Med** 1987 Mar-Apr;19(2):105-9

Structure, self-regulating sequences, and institutional third parties in therapy: the Veterans Administration as a model. Frey J 3d, et al. **Fam Process** 1987 Jun;26(2):223-33

Assessment of patient-staff and intrastaff problems in psychiatric consultations. Hengeveld MW, et al. **Gen Hosp Psychiatry** 1987 Jan;9(1):25-30

"Captain of the ship": coping with nonphysicians in geriatric care. Panel discussion. **Geriatrics** 1986 Oct;41(10):38-50

Functions of social workers in a home health agency. Vincent PA, et al. **Health Soc Work** 1987 Summer;12(3):213-9

Liability reshapes hospital/physician relationships. Burda D. **Hospitals** 1987 Apr 5;61(7):56-60

CEOs cite ways to improve medical staff relations. Newald J. **Hospitals** 1987 Mar 20;61(6):114, 116

Talk to one another. Crowley DF. **Iowa Med** 1986 Nov; 76(11):506-7

Team effort. Myers K. **Iowa Med** 1986 Nov;76(11):512-3

Communicate with your lawmaker. Ollie CA. **Iowa Med** 1986 Nov;76(11):515-6

The doctor-nurse relationship: an historical perspective. Keddy B, et al. **J Adv Nurs** 1986 Nov;11(6):745-53

Analysing managerial responses in face-to-face contacts. Schmieding NJ. **J Adv Nurs** 1987 May;12(3):357-65

Dentists who practice with spouses or relatives: a pilot study of practitioners in Iowa. Simpson RB, et al. **J Am Dent Assoc** 1986 Nov;113(5):776-9

Can pediatrics contribute to geriatrics? Lobeck CC. **J Am Geriatr Soc** 1987 Apr;35(4):360-2

Give and take after 30 years (professional battery charging) [editorial] Rosenwasser HM. **J Am Optom Assoc** 1987 Aug; 58(8):623

The relationship of court clinics to correctional mental health services: opportunities for cooperation and potential sources of conflict. Rosner R. **J Forensic Sci** 1987 Jan; 32(1):217-20

Chiropractic's functional integration into conventional health care: some implications. Jamison JR. **J Manipulative Physiol Ther** 1987 Feb;10(1):5-10

The role of the neuroscience nurse in the nurse-physician relationship. Dudley SP **J Neurosci Nurs** 1986 Oct; 18(5):265-7

Thinly disguised contempt: a barrier to excellence. Brown-Stewart P. **J Nurs Adm** 1987 Apr;17(4):22-7

Negotiating new roles with physicians. Copp LA. **J Prof Nurs** 1987 Jan-Feb;3(1):3, 70

The colleague relationship. Copp LA. **J Prof Nurs** 1985 Jul-Aug;1(4):188

The togetherness factor of the academic health center: is it real? Does it matter? Heaney RP, et al. **J Prof Nurs** 1987 Jan-Feb;3(1):46-53

Substance abuse and the nurse: a legal and ethical dilemma. Moore G, et al. **J Prof Nurs** 1987 Jan-Feb;3(1):5

A phenomenological approach to understanding the process of deaning. Stainton MC, et al. **J Prof Nurs** 1985 Sep-Oct; 1(5):269-74

Collaborative research: a commentary. Williams CA. **J Prof Nurs** 1987 Mar-Apr;3(2):82, 124-5

The collegial relationship between social work and nursing. Williams M. **J Prof Nurs** 1985 Nov-Dec;1(6):322, 385

The dentist and preventive medicine: be all that you can be [editorial] Fried RA. **J Public Health Dent** 1987 Spring; 47(2):68-70

The relationship between physicians and the pharmaceutical industry. A report of the Royal College of Physicians. **J R Coll Physicians Lond** 1986 Oct;20(4):235-42

Child psychiatric/paediatric liaison: discussion paper. Taylor DC. **J R Soc Med** 1986 Dec;79(12):726-8

The town-gown syndrome [editorial] Petersdorf RG. **JAMA** 1987 May 8;257(18):2478-9

Physicians and nurses: partners in communication. Hirsh HL. **Med Law** 1986;5(6):463-75

Whose ethics, whose code: an analysis of problems in interdisciplinary intervention. Drew CJ, et al. **Ment Retard** 1987 Apr;25(2):113-7

More physician-pharmacist cooperation needed [letter] Griffin JF. **N Engl J Med** 1986 Oct 23;315(17):1097

Recent changes in physician-hospital CEO relationships. Weil TP. **NC Med J** 1987 Mar;48(3):148-51

Respect for fallen comrades. Bluestone N. **Pa Med** 1987 May; 90(5):50, 52

Nurses and physicians must interact for valid clinical research. Kirchhoff KT. **Res Nurs Health** 1987 Jun; 10(3):149-54

Primary health care: co-operation between health and welfare personnel. An International Study. Westrin CG. **Scand J Soc Med [Suppl]** 1987;38:1-76

How to treat a visiting radiology professor [editorial] Felson B. **Semin Roentgenol** 1987 Jan;22(1):1-3

Communication climate and patient care: causes and effects of nurses' attitudes to patients. Nievaard AC. **Soc Sci Med** 1987;24(9):777-84

Strategies for enhancing collaboration between social workers and physicians. Abramson J, et al. **Soc Work Health Care** 1986 Fall;12(1):1-21

Nurse self-esteem and collaboration with physicians. Baldwin A, et al. **West J Nurs Res** 1987 Feb;9(1):107-14

Interpersonal distance of hospital staff. Kerr JA. **West J Nurs Res** 1986 Aug;8(3):350-64

[Physicians' misuse of referral of patients (letter)] Davie G. **S Afr Med J** 1972 Jul 22;46(30):1064 **(Afr)**

[Perspectives for cooperation between anthropology and pediatrics] Bouchalová M. **Cesk Pediatr** 1987 May; 42(5):299-300 **(Cze)**

[Guidelines on cooperation between health insurance and medical examiners] Lekon E. **Off Gesundheitswes** 1987 Mar; 49(3):132-5 (Eng. Abstr.) **(Ger)**

[Principles and problems in the cooperation between pharmacist and physician] Görlt H. **Pharmazie** 1986 Sep; 41(9):652-5 **(Ger)**

[Necessary close cooperation between patient care specialties and pathobiochemistry/laboratory diagnosis] Dietze F. **Z Med Lab Diagn** 1987;28(3):170-2 **(Ger)**

[The Tavistock conferences on group relationships. A different training for leadership and organization] Karterud S, et al. **Tidsskr Nor Laegeforen** 1986 Dec 10; 106(34-36):3004-7 (Eng. Abstr.) **(Nor)**

[Clinical medicine and pathological anatomy] Serov VV. **Klin Med (Mosk)** 1987 Jun;65(6):16-22 **(Rus)**

[Continuity and relations in the activities of sector therapeutics and other specialists in a polyclinic] Mindlin IaS, et al. **Sov Zdravookhr** 1987;(6):13-6 (Eng. Abstr.) **(Rus)**

INTERRENAL GLAND see under **ADRENAL GLANDS**

INTERSEXUALITY see **HERMAPHRODITISM**

INTERSTITIAL CELL-STIMULATING HORMONE see **LH**

INTERSTITIAL CELL STIMULATING HORMONE RECEPTORS see **RECEPTORS, LH**

INTERSTITIAL NEPHRITIS see **NEPHRITIS, INTERSTITIAL**

INTERTARSAL JOINT see **TARSAL JOINT**

INTERTRIGO

DIAGNOSIS

Mycotic toe intertrigo. de Prost Y, et al. **Mykosen [Suppl]** 1978;1:116-7

INTERVENING SEQUENCES see **INTRONS**

INTERVERTEBRAL DISK

Schwannoma presenting as lumbar disc disease in an adolescent boy. Lahat E, et al. **Ann Neurol** 1986 Nov; 20(5):643-4

Diagnosis of discitis by SPECT technetium-99m MDP scintigram. A case report. Swanson D, et al. **Clin Nucl Med** 1987 Mar;12(3):210-1

Calcification of intervertebral disks in I-cell disease. Mogle P, et al. **Eur J Pediatr** 1986 Aug;145(3):226-7

Pyogenic spondylodiscitis without disc space collapse. Fontaine S, et al. **J Can Assoc Radiol** 1987 Jun;38(2):129-30

Alkaptonuria and ochronotic arthropathy. Mam MK, et al. **J Indian Med Assoc** 1986 Jul;84(7):218-20

Magnetic resonance imaging in the diagnosis of childhood discitis. Szalay EA, et al. **J Pediatr Orthop** 1987 Mar-Apr; 7(2):164-7

Septic spondylodiscitis in ankylosing spondylitis. Lohr KM, et al. **J Rheumatol** 1987 Jun;14(3):616-20

Prevalence of lumbar disc degeneration observed by magnetic resonance in symptomless women. Powell MC, et al. **Lancet** 1986 Dec 13;2(8520):1366-7

Septic discitis as a presentation of endocarditis [letter] Myles PS. **Med J Aust** 1987 Jun 15;146(12):656-7

Cervical analgesic discography. A test for diagnosis of the painful disc syndrome. Osler GE. **S Afr Med J** 1987 Mar 21;71(6):363

The Pennsylvania Plan. An algorithm for the management of lumbar degenerative disc disease. Holmes HE, et al. **Spine** 1979 Mar-Apr;4(2):156-62

Discitis causing spondylolisthesis. A case report. Wynne AT, et al. **Spine** 1986 Nov;11(9):970-2

Eikenella corrodens cervical osteomyelitis: case report. Peereboom D, et al. **Va Med** 1987 Mar;114(3):150-3

[Postoperative lumbal discitis after disk prolapse surgery] Nielsen NA. **Ugeskr Laeger** 1987 Mar 9;149(11):714-6 (Eng. Abstr.) **(Dan)**

[Idiopathic calcification of intervertebral disks in children. Outcome of 1 case] Guillaud R, et al. **Ann Pediatr (Paris)** 1987 Feb;34(2):161-3 (Eng. Abstr.) **(Fre)**

[Spondylodiscitis in children following lumbar puncture. Apropos of a case] Griffet J, et al. **Chir Pediatr** 1986; 27(6):354-5 (Eng. Abstr.) **(Fre)**

[A new diagnostic method of spondylodiscitis. Magnetic resonance imaging] Frocrain L, et al. **J Radiol** 1987 May; 68(5):373-80 (Eng. Abstr.) **(Fre)**

[Respective roles of hemodialysis, hydroxyapatite and amyloid deposits in so-called destructive spondylarthropathy of hemodialysis. Apropos of 2 personal cases without hemodialysis] Alcalay M, et al. **Rev Rhum Mal Osteoartic** 1986 Oct;53(10):529-34 **(Fre)**

[Development of spondylodiscopathies in ankylosing spondylitis] Bouvier M, et al. **Rev Rhum Mal Osteoartic** 1987 Mar;54(3):229-34 (Eng. Abstr.) **(Fre)**

[Candida spondylodiscitis. Apropos of 2 cases] Collet P, et al. **Rev Rhum Mal Osteoartic** 1987 May;54(5):429-30 **(Fre)**

[A case of very destructive dorsal spondylodiscopathy surgically treated in ankylosing spondylitis complicated by amyloidosis] Rénier JC, et al. **Rev Rhum Mal Osteoartic** 1987 Mar;54(3):291-5 (Eng. Abstr.) **(Fre)**

[Brucellar spondylodiskitis as a rare cause of spinal cord compression. Clinical case] Ruelle A, et al. **Chir Organi Mov** 1986 Apr-Jun;71(2):165-8 (Eng. Abstr.) **(Ita)**

[Surgical experiences of anterior discectomy without fusion for cervical disc disease] Isu T, et al. **Neurol Med Chir (Tokyo)** 1986 Jun;26(6):481-6 (Eng. Abstr.) **(Jpn)**

[Epiconus syndrome due to ossification of the lower thoracic yellow ligament] Kikuchi S, et al. **Rinsho Shinkeigaku** 1986 Nov;26(11):1210-7 (Eng. Abstr.) **(Jpn)**

[Early differential diagnosis of aseptic necrosis of the femur head and discogenic radiculitis] Shumada IV, et al. **Ortop Travmatol Protez** 1986 Oct;(10):65-9 **(Rus)**

[Immediate and late results of treating compression forms of lumbar osteochondrosis by the technic of puncture

fenestration and decompression of the intervertebral disks] Shchedrenok VV, et al. **Zh Nevropatol Psikhiatr** 1986; 86(8):1158–61 (Eng. Abstr.) **(Rus)**

[Meralgia paresthetica in patients with osteochondrosis of the spine] Veselovskiĭ VP, et al. **Zh Nevropatol Psikhiatr** 1986;86(8):1162–4 (Eng. Abstr.) **(Rus)**

[Pyogenous spondylodiskitis. Study of 9 patients] Briones H, et al. **Rev Clin Esp** 1987 May;180(8):432–4 (Eng. Abstr.) **(Spa)**

ANALYSIS

Amyloid in intervertebral discs. A histopathological investigation of intervertebral discs from 30 randomly selected autopsies. Ladefoged C. **Appl Pathol** 1985; 3(1–2):96–104

Elastin in the human intervertebral disk. A histological and biochemical study comparing it with elastin in the human yellow ligament. Mikawa Y, et al. **Arch Orthop Trauma Surg** 1986;105(6):343–9

[Role of glycosaminoglycans in the pathogenesis of vertebral osteochondrosis (clinico–experimental study)] Veres AI, et al. **Zh Nevropatol Psikhiatr** 1986;86(7):1057–61 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Effects of an anatomically detailed erector spinae model on L4/L5 disc compression and shear. McGill SM, et al. **J Biomech** 1987;20(6):591–600

1H nuclear magnetic resonance study of intervertebral discs. A preliminary report. Bobest M, et al. **Spine** 1986 Sep; 11(7):709–11

Comparison of the structure of human intervertebral discs in the cervical, thoracic and lumbar regions of the spine. Pooni JS, et al. **Surg Radiol Anat** 1986;8(3):175–82

[Measurements and forms of intervertebral foramina of the posterior lumbar spine] Goździewski S, et al. **Gegenbaurs Morphol Jahrb** 1987;133(1):61–9 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

The effects of chymopapain on prolapsed human intervertebral disc. A clinical and correlative histochemical study. Suguro T, et al. **Clin Orthop** 1986 Dec;(213):223–31

The short–term effects of chymopapain on intervertebral discs. Dolan P, et al. **J Bone Joint Surg [Br]** 1987 May; 69(3):422–8

ENZYMOLOGY

Neutral proteinases of the human intervertebral disc. Melrose J, et al. **Biochim Biophys Acta** 1987 Mar 19;923(3):483–95

Protein and lysozyme content of adult human nucleus pulposus. Sorce DJ, et al. **Experientia** 1986 Oct 15; 42(10):1157–8

Abnormal connective tissue degrading enzyme patterns in prolapsed intervertebral discs. Ng SC, et al. **Spine** 1986 Sep;11(7):695–701

INJURIES

Observations on the treatment of lumbar disk disease in college football players. Day AL, et al. **Am J Sports Med** 1987 Jan–Feb;15(1):72–5

Cervical subluxation: a deceptive soft tissue injury. Plunkett PK, et al. **J R Soc Med** 1987 Jan;80(1):46–7

INNERVATION

[Percutaneous lumbar facet denervation. Indications and significance in chronic backache] Hildebrandt J, et al. **Z Orthop** 1987 Mar–Apr;125(2):154–9 (Eng. Abstr.) **(Ger)**

METABOLISM

The relationship of actin to ligament contraction. Dahners LE, et al. **Clin Orthop** 1986 Sep;(210):246–51

Intervertebral disc nutrition. Diffusion versus convection. Katz MM, et al. **Clin Orthop** 1986 Sep;(210):243–5

The response of the canine intervertebral disc to immobilization produced by spinal arthrodesis is dependent on constitutional factors. Cole TC, et al. **J Orthop Res** 1987;5(3):337–47

[New views on the composition of the intervertebral disk] Pazderka V, et al. **Cas Lek Cesk** 1987 Apr 17;126(16):485–6 (Eng. Abstr.) **(Cze)**

PATHOLOGY

Rheumatoid nodules of the spine: case report and review of the literature. Pearson ME, et al. **Arthritis Rheum** 1987 Jun;30(6):709–13 (14 ref.)

MR imaging of the intervertebral disc: a quantitative study. Jenkins JP, et al. **Br J Radiol** 1985 Aug;58(692):705–9

The changes in the intervertebral disc after chemonucleolysis demonstrated by magnetic resonance imaging. Gibson MJ, et al. **J Bone Joint Surg [Br]** 1986 Nov;68(5):719–23

Effects of chemonucleolysis demonstrated by MR imaging. Masaryk TJ, et al. **J Comput Assist Tomogr** 1986 Nov–Dec; 10(6):917–23

Splitting of the intervertebral disc in spondylolisthesis: a magnetic resonance imaging finding in two cases. Birch JG, et al. **J Pediatr Orthop** 1986 Sep–Oct;6(5):609–11

Magnetic resonance imaging in non–specific discitis. Förster A, et al. **Pediatr Radiol** 1987;17(2):162–3

End plate of the discovertebral joint: degenerative change in the elderly adult. Aoki J, et al. **Radiology** 1987 Aug; 164(2):411–4

Facet joint changes after chemonucleolysis–induced disc space narrowing. Gotfried Y, et al. **Spine** 1986 Nov; 11(9):944–50

Analysis of magnetic resonance images from normal and degenerate lumbar intervertebral discs. Hickey DS, et al. **Spine** 1986 Sep;11(7):702–8

Facet joint orientation, facet and costovertebral joint osteoarthrosis, disc degeneration, vertebral body osteophytosis, and Schmorl's nodes in the thoracolumbar junctional region of cadaveric spines. Malmivaara A, et al. **Spine** 1987 Jun;12(5):458–63

[A case of very destructive dorsal spondylodiscopathy surgically treated in ankylosing spondylitis complicated by amyloidosis] Rénier JC, et al. **Rev Rhum Mal Osteoartic** 1987 Mar;54(3):291–5 (Eng. Abstr.) **(Fre)**

[Fat/water separation in the NMR tomogram. The imaging of bone marrow reactions in degenerative intervertebral disk changes] Assheuer J, et al. **ROFO** 1987 Jul; 147(1):58–63 (Eng. Abstr.) **(Ger)**

[A histopathological study on the intervertebral discs of idiopathic and paralytic scoliosis—abnormalities in transition from the notochordal nucleus to the fibrocartilaginous nucleus] Tanaka A. **Nippon Seikeigeka Gakkai Zasshi** 1986 Dec;60(12):1227–38 (Eng. Abstr.) **(Jpn)**

[Morphological changes in the intervertebral disks due to papain administered by a new method] Fishchenko VIa, et al. **Ortop Travmatol Protez** 1986 Jul;(6):44–6 **(Rus)**

PHYSIOLOGY

Proteoglycan–collagen interactions in intervertebral disc. A chondroitin sulphate proteoglycan associates with collagen fibrils in rabbit annulus fibrosus at the d–e bands. Scott JE, et al. **Biosci Rep** 1986 Oct;6(10):879–88

Biomechanical properties of human intervertebral discs subjected to axial dynamic compression—influence of age and degeneration. Koeller W, et al. **J Biomech** 1986; 19(10):807–16

Load–bearing role of facets in a lumbar segment under sagittal plane loadings. Shirazi–Adl A, et al. **J Biomech** 1987;20(6):601–13

Relationship between lordosis and the position of the centre of reaction of the spinal disc. Gracovetsky SA, et al. **J Biomed Eng** 1987 Jul;9(3):237–48

Surface strain on human intervertebral discs. Stokes IA. **J Orthop Res** 1987;5(3):348–55

Mechanical response of a lumbar motion segment in axial torque alone and combined with compression. Shirazi–Adl A, et al. **Spine** 1986 Nov;11(9):914–27

Experimental study on chemonucleolysis. With special reference to the change of intradiscal pressure. Takahashi K, et al. **Spine** 1986 Jul–Aug;11(6):617–20

[Changes in the electrical parameters of the intervertebral disks in an experiment] Boer VA, et al. **Ortop Travmatol Protez** 1986 Jul;(6):22–5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The relationship of degeneration of the intervertebral disc to mechanical loading conditions on lumbar vertebrae. Kurowski P, et al. **Spine** 1986 Sep;11(7):726–31

RADIOGRAPHY

The posterior vertebral body line: importance in the detection of burst fractures. Daffner RH, et al. **AJR** 1987 Jan; 148(1):93–6

Disc damage above a spondylolisthesis. Henson J, et al. **Br J Radiol** 1987 Jan;60(709):69–72

Pyogenic infection of intervertebral discs in adults. Xin SQ, et al. **Chin Med J [Engl]** 1986 Jun;99(6):507–12

Significance of tangential views in lumbar discography. Matsui H, et al. **Clin Orthop** 1987 Aug;(221):165–71

Discitis after discography. Fraser RD, et al. **J Bone Joint Surg [Br]** 1987 Jan;69(1):26–35

Lumbar discography [letter] Singh GS. **J Neurosurg** 1986 Nov;65(5):728

Calcifying discopathy in infancy in the cervical spine: evaluation of vertebral alterations over a period of time. Urso S, et al. **Pediatr Radiol** 1987;17(5):387–91

Lumbar diskography [letter] [published erratum appears in Radiology 1987 Aug;164(2):586] Milette PC, et al. **Radiology** 1987 Jun;163(3):828–9

Annulus fibrosus calcification in the cervical spine: radiologic–pathologic correlation. Kerns S, et al. **Skeletal Radiol** 1986;15(8):605–9

Lumbar discography. Its value in diagnosis and treatment of lumbar disc lesions. Brodsky AE, et al. **Spine** 1979 Mar–Apr;4(2):110–20

Total myelography in the evaluation of lumbar discs. With the presentation of three cases of thoracic neoplasms simulating nerve root lesions. Epstein JA, et al. **Spine** 1979 Mar–Apr;4(2):121–8

The intravertebral vacuum sign. Golimbu C, et al. **Spine** 1986 Dec;11(10):1040–3

The relative value of lumbar roentgenograms, metrizamide myelography, and discography in the assessment of patients with chronic low–back syndrome. Grubb SA, et al. **Spine** 1987 Apr;12(3):282–6

Dallas discogram description. A new classification of CT/discography in low–back disorders. Sachs BL, et al. **Spine** 1987 Apr;12(3):287–94

Magnetic resonance imaging in the diagnosis of disc degeneration: correlation with discography. Schneiderman G, et al. **Spine** 1987 Apr;12(3):276–81

The relationship of pain provocation to lumbar disc deterioration as seen by CT/discography. Vanharanta H, et al. **Spine** 1987 Apr;12(3):295–8

The value of the axial view in assessing discograms. An experimental study with cadavers. Videman T, et al. **Spine** 1987 Apr;12(3):299–304

Cervical discogenic syndrome. Results of operative intervention in patients with positive discography. Whitecloud TS 3d, et al. **Spine** 1987 May;12(4):313–6

[X–ray computed diskotomography, a new horizontal approach to the intravertebral disk (letter)] Folinais D, et al. **Presse Med** 1987 Jan 10–17;16(1):33 **(Fre)**

[Value of computerized tomography in the diagnosis of discogenic ischialgia] Papa J, et al. **Acta Med Iugosl** 1987; 41(1):23–32 (Eng. Abstr.) **(Scr)**

SURGERY

Timing of disc surgery after iohexol myelography and its effect on the incidence of postoperative problems. Riley D, et al. **Br Med J [Clin Res]** 1986 Sep 6;293(6547):595

Microsurgical discectomy: a prospective study of 200 patients. Schutz H, et al. **Can J Neurol Sci** 1987 Feb; 14(1):81–3

Reasons for failure of L5–S1 intervertebral disc excisions. Radin EL. **Int Orthop** 1987;11(3):255–9

Vertebral arteriovenous fistula following anterior cervical spine surgery. Report of two cases. Cosgrove GR, et al. **J Neurosurg** 1987 Feb;66(2):297–9

Percutaneous discectomy [letter] Fager CA. **J Neurosurg** 1987 Jul;67(1):150–2

Percutaneous automated discectomy: a new method for lumbar disc removal. Technical note. Maroon JC, et al. **J Neurosurg** 1987 Jan;66(1):143–6

Minilaminotomy, an alternative to microdiscectomy or standard laminectomy. Savitz MH, et al. **Mt Sinai J Med (NY)** 1986 Sep;53(7):518–22

Percutaneous laser nucleolysis of lumbar disks [letter] Choy DS, et al. **N Engl J Med** 1987 Sep 17;317(12):771–2

A lumbar disc surgery predictive score card. A retrospective evaluation. Finneson BE, et al. **Spine** 1979 Mar–Apr; 4(2):141–4

Pedicle fat grafts for the prevention of scar formation after laminectomy. An experimental study in dogs. Gill GG, et al. **Spine** 1979 Mar–Apr;4(2):176–86

Erythrocyte sedimentation rate following lumbar discectomy. Kornberg M. **Spine** 1986 Sep;11(7):766–7

Lateral lumbar spine roentgenograms: potential role in complications of lumbar disc surgery. Gower DJ, et al. **Surg Neurol** 1987 Apr;27(4):316–8

[Percutaneous surgery of the lumbar disk] Lesoin F, et al. **Presse Med** 1987 Jun 6;16(21):1049–50 (Eng. Abstr.) **(Fre)**

[Operative methods for cervical disc disease] Iwasaki Y, et al. **Neurol Med Chir (Tokyo)** 1986 Nov;26(11):857–62 (Eng. Abstr.) **(Jpn)**

TRANSPLANTATION

[Reactive–inflammatory process in the spinal canal after implantation of autologous intervertebral disk cartilage] Blagodatskiĭ MD, et al. **Arkh Patol** 1987;49(1):26–31 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Postmortem changes in ultrastructures of the mouse intervertebral disc. Higuchi M, et al. **Spine** 1987 Jan–Feb; 12(1):48–52

INTERVERTEBRAL DISK CHEMOLYSIS

see related

CHYMOPAPAIN

Chemonucleation and changes observed on lumbar MR scan: preliminary report. Huckman MS, et al. **AJNR** 1987 Jan–Feb;8(1):1–4

Chemonucleolysis versus open discectomy: the case against chymopapain. Day AL, et al. **Clin Neurosurg** 1986; 33:385–96

In defense of chemonucleolysis. Shields CB. **Clin Neurosurg** 1986;33:397–405

Computed tomography scanning after chymopapain injection for herniated nucleus pulposus. A prospective study. Boumphrey FR, et al. **Clin Orthop** 1987 Jun;(219):120–3

Chemonucleolysis of lumbar intervertebral disc prolapse with chymopapain: outcome after 1 year. Grindulis KA, et al. **Clin Rheumatol** 1987 Mar;6(1):42–9

The changes in the intervertebral disc after chemonucleolysis demonstrated by magnetic resonance imaging. Gibson MJ, et al. **J Bone Joint Surg [Br]** 1986 Nov;68(5):719–23

Effects of chemonucleolysis demonstrated by MR imaging. Masaryk TJ, et al. **J Comput Assist Tomogr** 1986 Nov–Dec;

10(6):917–23
Effectiveness of chymopapain chemonucleolysis [letter] Watts C. **J Neurosurg** 1987 Mar;66(3):484
Chemonucleolysis in private practice. Natelson SE. **J Tenn Med Assoc** 1987 Mar;80(3):143–5
Chemonucleolysis and microsurgery for lumbar disk disease [letter] McCulloch JA. **JAMA** 1987 Jan 2;257(1):28
Chymopapain and the intervertebral disc [editorial] **Lancet** 1986 Oct 11;2(8511):843–5
Sensitivity testing with the Chymo-FAST test. Hewitt BE. **Neurochirurgia (Stuttg)** 1986 Sep;29 Suppl 1:154–5
Anesthetic management of chemonucleolysis with chymopapain. Diaz JH, et al. **South Med J** 1986 Dec; 79(12):1554–61 (71 ref.)
Discitis following chemonucleolysis. An experimental study. Fraser RD, et al. **Spine** 1986 Sep;11(7):679–87
Facet joint changes after chemonucleolysis–induced disc space narrowing. Gotfried Y, et al. **Spine** 1986 Nov; 11(9):944–50
Chemonucleolysis versus surgery in lumbar disc herniations: correlation of the results to preoperative clinical pattern and size of the herniation. Postacchini F, et al. **Spine** 1987 Mar;12(2):87–96
Experimental study on chemonucleolysis. With special reference to the change of intradiscal pressure. Takahashi K, et al. **Spine** 1986 Jul–Aug;11(6):617–20
[Discal incontinence: a contraindication to chemonucleolysis (letter)] Eschard JP, et al. **Presse Med** 1986 Dec 6; 15(43):2166 **(Fre)**
[Interventional developments in neuroradiology] Flandroy P, et al. **Rev Med Liege** 1987 May 15;42(10):447–55 **(Fre)**
[Cause of failure of nucleolysis and results of surgery] Deburge A, et al. **Rev Rhum Mal Osteoartic** 1986 Jun; 53(6):373–7 (Eng. Abstr.) **(Fre)**
[Chemonucleolysis in the treatment of disk lumbo-radiculalgia. Cooperative study of 333 cases] Valat JP, et al. **Rev Rhum Mal Osteoartic** 1986 Jul–Sep; 53(7–9):467–71 (Eng. Abstr.) **(Fre)**
[Clinical experience with intradisk chymopapain administration in lumbar intervertebral disk displacement] Steinmeier R, et al. **Nervenarzt** 1987 Jul;58(7):450–5 (Eng. Abstr.) **(Ger)**
[Anesthesia procedures and perioperative patient monitoring in chemonucleolysis] Biscoping J, et al. **Neurochirurgia (Stuttg)** 1986 Sep;29 Suppl 1:138–40 (Eng. Abstr.) **(Ger)**
[Endoscopic findings following chymopapain injection in animal experiments] Döhring S, et al. **Neurochirurgia (Stuttg)** 1986 Sep;29 Suppl 1:146–8 (Eng. Abstr.) **(Ger)**
[Experiences with intradisk injection treatment with chymopapain and collagenase] Hedtmann A, et al. **Neurochirurgia (Stuttg)** 1986 Sep;29 Suppl 1:161–6 (Eng. Abstr.) **(Ger)**
[Incidence and prevention of allergic reactions following chemonucleolysis with chymopapain] Mayer HM. **Neurochirurgia (Stuttg)** 1986 Sep;29 Suppl 1:149–53 (Eng. Abstr.) **(Ger)**
[Immunologic methods of study for evaluating the risk of anaphylactic reactions in intradisk chymopapain injections] Nitzachke E, et al. **Neurochirurgia (Stuttg)** 1986 Sep;29 Suppl 1:156–60 (Eng. Abstr.) **(Ger)**
[Clinical evaluation of Chymodiactin and post-marketing surveillance] Schenk KD, et al. **Neurochirurgia (Stuttg)** 1986 Sep;29 Suppl 1:167–72 (Eng. Abstr.) **(Ger)**
[Spondylitis following chemonucleolysis—a case report] Starker M, et al. **Z Orthop** 1987 Jan–Feb;125(1):19–21 (Eng. Abstr.) **(Ger)**
[Roentgenometric follow-up after the papain therapy of spinal osteochondrosis patients] Shukhov VS. **Ortop Travmatol Protez** 1986 Jul;(6):43–4 **(Rus)**

ADVERSE EFFECTS

Subarachnoid hemorrhage following chymopapain chemonucleolysis. Case report. Cusick JF, et al. **J Neurosurg** 1987 May;66(5):775–8
Anaphylactic reactions to intradiscal chymopapain [letter] Onofrio BM. **J Neurosurg** 1986 Oct;65(4):573
Acute herniated nucleus pulposus with cauda equina compression syndrome following chemonucleolysis. Report of three cases. Smith S, et al. **J Neurosurg** 1987 Apr;66(4):614–7
Persistent nerve root compression by buckling of the longitudinal ligament after chemonucleolysis. Beatty RM. **Neurosurgery** 1987 Feb;20(2):332–4
Chemonucleolysis for disc rupture [letter] **Spine** 1987 May; 12(4):421–3
Effects of epidural and intrathecal application of collagenase in the lumbar spine: an experimental study in rabbits. Olmarker K, et al. **Spine** 1987 Jun;12(5):477–82
[Skin tests and chymopapain-specific immunoglobulins E after chemonucleolysis] Cornaille G, et al. **Presse Med** 1987 May 16;16(18):881–4 (Eng. Abstr.) **(Fre)**

METHODS

Collagenase chemonucleolysis via epidural injection. A review of 252 cases. Chu KH. **Clin Orthop** 1987 Feb; (215):99–104
[Treatment of soft cervical hernia by percutaneous intradiscal injection of aprotinin] Lesoin F, et al. **Neurochirurgie** 1986; 32(3):272–5 (Eng. Abstr.) **(Fre)**
[Treatment of sciatica due to a herniated disk by chemonucleolysis] Moalla M, et al. **Tunis Med** 1986 Jun–Jul;64(6–7):547–52 (33 ref.) (Eng. Abstr.) **(Fre)**
[Significance of diskography and contrast medium/enzyme interaction] Pon A, et al. **Neurochirurgia (Stuttg)** 1986 Sep; 29 Suppl 1:134–7 (Eng. Abstr.) **(Ger)**
[Technic of chemonucleolysis] Zierski J. **Neurochirurgia (Stuttg)** 1986 Sep;29 Suppl 1:130–3 (Eng. Abstr.) **(Ger)**
[Morphological changes in the intervertebral disks due to papain administered by a new method] Fishchenko VIa, et al. **Ortop Travmatol Protez** 1986 Jul;(6):44–6 **(Rus)**

STANDARDS

Chemonucleolysis with chymopapain: results in 150 patients. Shields CB, et al. **J Neurosurg** 1987 Aug;67(2):187–91

TRENDS

Chemonucleolysis. Current status and future outlook. Sutton JC. **Neurochirurgia (Stuttg)** 1986 Sep;29 Suppl 1:173–8

INTERVERTEBRAL DISK DISPLACEMENT

Juvenile lumbar discs. Zucker L, et al. **Childs Nerv Syst** 1987; 3(2):125–7

CEREBROSPINAL FLUID

Cerebrospinal fluid and serum levels of albumin, IgG, IgA and IgM in patients with intracranial tumors and lumbar disc herniation. Rao ML, et al. **Eur Neurol** 1987;26(4):241–5
Inefficacy of routine laboratory analysis of CSF obtained during myelography for suspected disc disease. Olson WL, et al. **Spine** 1986 Nov;11(9):964–5

CLASSIFICATION

[A classification of the herniated cervical disc based on metrizamide CT] Takahashi K, et al. **No Shinkei Geka** 1987 Feb;15(2):125–30 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Prolapse of a cervical disc in elderly patients with cervical spondylosis. Young S, et al. **Br Med J [Clin Res]** 1986 Sep 20;293(6549):749–50
Thoracic intervertebral disc protrusion with spinal cord compression. Gilligan B, et al. **Clin Exp Neurol** 1986; 22:81–96
Thoracic disk herniation and Scheuermann's disease. Lesoin F, et al. **Eur Neurol** 1987;26(3):145–52
C7 radiculopathy: importance of scapular winging in clinical diagnosis [letter] Cast IP, et al. **J Neurol Neurosurg Psychiatry** 1987 Apr;50(4):506
Pseudoclaudication in lumbar disc protrusions. Contribution in understanding the etio-pathogenetic factors of the syndrome and surgical results in eight cases. Gessini L, et al. **J Neurosurg Sci** 1985 Oct–Dec;29(4):317–22
Benign thoracic pain. Bruckner FE, et al. **J R Soc Med** 1987 May;80(5):286–9
Case report 384: Paraparesis from cauda equina compression due to disc herniation of L4–L5, in a patient with ossification of the posterior longitudinal ligament (OPLL) at L4–L5 and C4–C5. Merlini L, et al. **Skeletal Radiol** 1986; 15(6):488–91
Hypertrophic synovitis of the facet joint forming a para-articular mass in cases of herniated intervertebral disc. Savitz MH, et al. **Spine** 1987 Jun;12(5):509–10
[Neurogenic muscular hypertrophy. Association with abnormal electrophysiological activities] Lagueny A, et al. **Rev Neurol (Paris)** 1987;143(3):189–200 (Eng. Abstr.) **(Fre)**
[Neurinoma and lumbar disk herniation. A case (letter)] Lesoin F, et al. **Rev Rhum Mal Osteoartic** 1987 Jun; 54(6):508–9 **(Fre)**
[Treatment of sciatica due to a herniated disk by chemonucleolysis] Moalla M, et al. **Tunis Med** 1986 Jun–Jul;64(6–7):547–52 (33 ref.) (Eng. Abstr.) **(Fre)**
[Results of treatment with chymopapain in lumbo-sciatic pain caused by disk hernia] Grisostomi E, et al. **Chir Organi Mov** 1986 Oct–Dec;71(4):367–72 (Eng. Abstr.) **(Ita)**
[Isolated fecal incontinence in cauda equina syndrome due to lumbar disk hernia—a case report] Yamashita K, et al. **Rinsho Shinkeigaku** 1987 Feb;27(2):200–3 (Eng. Abstr.) **(Jpn)**
[Intradural rupture of disc prolapse] Unsgaard G, et al. **Tidsskr Nor Laegeforen** 1986 Aug 30;106(24):1950–1 (Eng. Abstr.) **(Nor)**
[Intraspinal displacement of fragments of the nucleus pulposus in the radiculographic image] Smereczyński A, et al. **Chir Narzadow Ruchu Ortop Pol** 1986;51(3):198–201 (Eng. Abstr.) **(Pol)**
[Intradural herniation of the intervertebral disk of the lumbar segment of the spine] Lechowski S, et al. **Neurol Neurochir Pol** 1986 May–Jun;20(3):252–7 (Eng. Abstr.) **(Pol)**
[Dynamics of clinico-electromyographic indices in reflexotherapy of radicular syndromes of lumbar osteochondrosis] Goldenko VS, et al. **Zh Nevropatol Psikhiatr** 1987;87(4):524–9 (Eng. Abstr.) **(Rus)**
[Differential diagnosis of arterial and venous spondylogenic lumbosacral radiculomyeloischemia] Zablotskiĭ NU, et al. **Zh Nevropatol Psikhiatr** 1987;87(4):507–11 (Eng. Abstr.) **(Rus)**
[Diagnosis and microsurgical treatment of discogenic lumbosacral radiculitis] Alʹ-Asbakhi NA, et al. **Zh Vopr Neirokhir** 1986 Nov–Dec;(6):47–53 (Eng. Abstr.) **(Rus)**
[Discogenic lumbosacral radiculomyeloischemia] Zablotskiĭ NU, et al. **Zh Vopr Neirokhir** 1987 May–Jun;(3):40–5 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Disk herniation. Langford KH. **Ala J Med Sci** 1987 Jan; 24(1):64–70
Simultaneous occurrence of herniated disc and mesothelial cyst in a 16-year-old male. Epstein NE, et al. **Childs Nerv Syst** 1986;2(5):273–6
Association of conjoined and anastomosed nerve roots in the lumbar region. A case report. Goffin J, et al. **Clin Neurol Neurosurg** 1987;89(2):117–20
Crohn's disease with pelvic abscess appearing as lumbar disc herniation. O'Neil DJ, et al. **Clin Orthop** 1987 Sep; (222):174–80
Significance of the straight-leg-raising test in the diagnosis and clinical evaluation of lower lumbar intervertebral-disc protrusion. Xin SQ, et al. **J Bone Joint Surg [Am]** 1987 Apr;69(4):517–22
Utility of the MMPI Pain Assessment Index in predicting outcome after lumbar surgery. Turner JA, et al. **J Clin Psychol** 1986 Sep;42(5):764–9
MR imaging of intradural disk herniation. Holtås S, et al. **J Comput Assist Tomogr** 1987 Mar–Apr;11(2):353–6
MR imaging of calcified herniated thoracic disk. Roosen N, et al. **J Comput Assist Tomogr** 1987 Jul–Aug;11(4):733–5
Magnetic resonance imaging and cervical disc herniations. Kalmar JA, et al. **J La State Med Soc** 1986 Oct;138(10):34–7
The use of magnetic resonance imaging in the diagnosis of postoperative lumbar conditions. Weisz GM, et al. **Med J Aust** 1987 Jan 19;146(2):99–101
Primary extra-skeletal Ewing's sarcoma mimicking a disc protrusion. Ruelle A, et al. **Neurochirurgia (Stuttg)** 1987 Jul;30(4):125–6
Degenerative lumbar disk disease: pitfalls and usefulness of MR imaging in detection of vacuum phenomenon. Grenier N, et al. **Radiology** 1987 Sep;164(3):861–5
Asymptomatic degenerative disk disease and spondylosis of the cervical spine: MR imaging. Teresi LM, et al. **Radiology** 1987 Jul;164(1):83–8
Correlation of standard diagnostic studies with surgically proven lumbar disk rupture. Schoedinger GR 3d. **South Med J** 1987 Jan;80(1):44–6
Magnetic resonance imaging in the diagnosis of disc degeneration: correlation with discography. Schneiderman G, et al. **Spine** 1987 Apr;12(3):276–81
[Comparative EMG and CAT-scan study in a lumbosciatic syndrome. I. problems in the lumbosciatic syndrome and preliminary report] Meylemans L, et al. **Acta Belg Med Phys** 1986 Apr–Jun;9(2):163–9 **(Dut)**
[Magnetic resonance imaging in the diagnosis of soft cervical disk hernia. Evaluation report on 20 cases previously examined by x-ray computed tomography] Massare C, et al. **Rev Chir Orthop** 1987;73(1):31–41 (Eng. Abstr.) **(Fre)**
[Extra- and intradural cervical hernia. A new case (letter)] Vernay D, et al. **Rev Rhum Mal Osteoartic** 1986 Jun; 53(6):403 **(Fre)**
[Urinary retention revealing asymptomatic herniated disk. Value of urodynamic exploration] Abid T, et al. **Tunis Med** 1986 Oct;64(10):837–42 (Eng. Abstr.) **(Fre)**
[Liquid crystal thermography as an additional diagnostic measure] Mundt B, et al. **Beitr Orthop Traumatol** 1986 Dec; 33(12):629–34 (Eng. Abstr.) **(Ger)**
[Imaging procedures in the diagnosis of lumbar intervertebral disk displacement. Limits and possibilities] Anagnostopoulos-Schleep J, et al. **Med Klin** 1987 Mar 13; 82(5):199–206 **(Ger)**
[Nuclear magnetic resonance tomography findings in cervical intervertebral disk prolapse. Case reports and clinical evaluation] Steiner HH, et al. **Neurochirurgia (Stuttg)** 1986 Sep;29(5):186–8 (Eng. Abstr.) **(Ger)**
[Magnetic resonance tomography of the postoperative lumbar spine. A comparison of the MR versus CT images in recurrent intervertebral disk prolapse] Braitinger S, et al. **ROFO** 1987 Aug;147(2):185–91 (Eng. Abstr.) **(Ger)**
[Stenosis of the lumbar canal and intervertebral disk displacement in the aged] Stewen F, et al. **Z Gerontol** 1987 Mar–Apr;20(2):78–83 (Eng. Abstr.) **(Ger)**
[Epidural extraskeletal Ewing's sarcoma simulating a herniated disk. Clinical case] Ruelle A, et al. **Riv Neurol** 1986 May–Jun;56(3):183–8 (Eng. Abstr.) **(Ita)**
[Comparison of clinical examination, electromyography, myelography, computerized tomography and surgical findings in lumbar disc hernias] Spanu G, et al. **Riv Neurol** 1986 May–Jun;56(3):174–82 (Eng. Abstr.) **(Ita)**
[Value of clinical examination, myelography and computerized tomography in the diagnosis of herniated disk of the lumbar segment of the spine] Kotwica Z, et al. **Chir Narzadow Ruchu Ortop Pol** 1986;51(6):472–5 (Eng. Abstr.) **(Pol)**

[Lateral lumbar disk hernia: foraminal and extraforaminal] Basile Júnior R, et al.
Rev Hosp Clin Fac Med Sao Paulo 1986 Jul–Aug; 41(4):177–80 **(Por)**

DRUG THERAPY

Chemonucleation and changes observed on lumbar MR scan: preliminary report. Huckman MS, et al. **AJNR** 1987 Jan–Feb;8(1):1–4

Chemonucleolysis versus open discectomy: the case against chymopapain. Day AL, et al. **Clin Neurosurg** 1986; 33:385–96

In defense of chemonucleolysis. Shields CB.
Clin Neurosurg 1986;33:397–405

Sensitivity testing with the Chymo–FAST test. Hewitt BE.
Neurochirurgia (Stuttg) 1986 Sep;29 Suppl 1:154–5

Chemonucleolysis. Current status and future outlook. Sutton JC. **Neurochirurgia (Stuttg)** 1986 Sep;29 Suppl 1:173–8

Prospective comparative study of intradiscal high–dose and low–dose collagenase versus chymopapain. Hedtmann A, et al. **Spine** 1987 May;12(4):388–92

[Treatment of lumbosciatica from disk hernia by nucleorthesis with triamcinolone hexacetonide (letter)] Bourgeois P, et al. **Presse Med** 1986 Nov 22;15(41):2073 **(Fre)**

[Discal incontinence: a contraindication to chemonucleolysis (letter)] Eschard JP, et al. **Presse Med** 1986 Dec 6; 15(43):2166 **(Fre)**

[Chemonucleolysis in the treatment of disk lumbo–radiculalgia. Cooperative study of 333 cases] Valat JP, et al. **Rev Rhum Mal Osteoartic** 1986 Jul–Sep; 53(7–9):467–71 (Eng. Abstr.) **(Fre)**

[Clinical experience with intradisk chymopapain administration in lumbar intervertebral disk displacement] Steinmeier R, et al. **Nervenarzt** 1987 Jul;58(7):450–5 (Eng. Abstr.) **(Ger)**

[Anesthesia procedures and perioperative patient monitoring in chemonucleolysis] Biscoping J, et al.
Neurochirurgia (Stuttg) 1986 Sep;29 Suppl 1:138–40 (Eng. Abstr.) **(Ger)**

[Experiences with intradisk injection treatment with chymopapain and collagenase] Hedtmann A, et al.
Neurochirurgia (Stuttg) 1986 Sep;29 Suppl 1:161–6 (Eng. Abstr.) **(Ger)**

[Incidence and prevention of allergic reactions following chemonucleolysis with chymopapain] Mayer HM.
Neurochirurgia (Stuttg) 1986 Sep;29 Suppl 1:149–53 (Eng. Abstr.) **(Ger)**

[Immunologic methods of study for evaluating the risk of anaphylactic reactions in intradisk chymopapain injections] Nitzschke E, et al. **Neurochirurgia (Stuttg)** 1986 Sep;29 Suppl 1:156–60 (Eng. Abstr.) **(Ger)**

[Clinical evaluation of Chymodiactin and post–marketing surveillance] Schenk KD, et al. **Neurochirurgia (Stuttg)** 1986 Sep;29 Suppl 1:167–72 (Eng. Abstr.) **(Ger)**

[Technic of chemonucleolysis] Zierski J.
Neurochirurgia (Stuttg) 1986 Sep;29 Suppl 1:130–3 (Eng. Abstr.) **(Ger)**

[Spondylitis following chemonucleolysis—a case report] Starker M, et al. **Z Orthop** 1987 Jan–Feb;125(1):19–21 (Eng. Abstr.) **(Ger)**

ECONOMICS

[Socioeconomic implications of lumbar discopathies] Carasevici V, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan–Mar;90(1):187–9 (Eng. Abstr.) **(Rum)**

ENZYMOLOGY

Abnormal connective tissue degrading enzyme patterns in prolapsed intervertebral discs. Ng SC, et al. **Spine** 1986 Sep;11(7):695–701

ETIOLOGY

Thoracic disk herniation associated with chiropractic spinal manipulation [letter] Lanska DJ, et al. **Arch Neurol** 1987 Oct;44(10):996–7

Acute herniated nucleus pulposus with cauda equina compression syndrome following chemonucleolysis. Report of three cases. Smith S, et al. **J Neurosurg** 1987 Apr;66(4):614–7

Identification of herniated nucleus pulposis in spinal cord injury. Apple DF Jr, et al. **Paraplegia** 1987 Apr;25(2):78–85

Body height, obesity, and risk of herniated lumbar intervertebral disc. Heliövaara M. **Spine** 1987 Jun; 12(5):469–72

[Cervical disk degeneration in a judo enthusiast] Deleuran BW. **Ugeskr Laeger** 1987 Mar 16;149(12):784–5 (Eng. Abstr.) **(Dan)**

[Pathomechanism of deformities and increased stenosis of the spinal and intervertebral canal in the lower lumbar segment of the spine in experimental studies and clinical and radiologic observations] Królewski J.
Ann Acad Med Stetin 1986;32:123–64 (Eng. Abstr.) **(Pol)**

[Role of glycosaminoglycans in the pathogenesis of vertebral osteochondrosis (clinico–experimental study)] Veres AI, et al. **Zh Nevropatol Psikhiatr** 1986;86(7):1057–61 (Eng. Abstr.) **(Rus)**

METABOLISM

Degeneration and the chemical composition of the human lumbar intervertebral disc. Pearce RH, et al.
J Orthop Res 1987;5(2):198–205

OCCURRENCE

Incidence and risk factors of herniated lumbar intervertebral disc or sciatica leading to hospitalization. Heliövaara M, et al. **J Chronic Dis** 1987;40(3):251–8

Occupation and risk of herniated lumbar intervertebral disc or sciatica leading to hospitalization. Heliövaara M.
J Chronic Dis 1987;40(3):259–64

PATHOLOGY

The localization of protruded lumbar discs in advancing age. Luyendijk W. **Acta Neurochir (Wien)** 1987;85(3–4):168–71

Herniated lumbar disc disease in patients with malignancy. Goodkin R, et al. **J Clin Oncol** 1987 Apr;5(4):667–71

The multifidus muscle in patients with lumbar disc herniation. A histochemical and morphometric analysis of intraoperative biopsies. Mattila M, et al. **Spine** 1986 Sep; 11(7):732–8

PHYSIOPATHOLOGY

Comparative study of clinical and surgical findings and cortical somatosensory evoked potentials in patients with lumbar spinal stenosis and disc protrusion. Tsitsopoulos P, et al. **Acta Neurochir (Wien)** 1987;84(1–2):54–63

Mechanical properties of lumbar spinal motion segments as affected by partial disc removal. Goel VK, et al. **Spine** 1986 Dec;11(10):1008–12

[A measure for stress on the spine] Pangert R, et al.
Z Gesamte Hyg 1987 Jun;33(6):307–9 (Eng. Abstr.) **(Ger)**

[The role of neurophysiologic diagnosis in patients with dysfunction in the lumbosacral part of the spinal cord and its roots] Klopčič–Spevak M, et al. **Med Pregl** 1986; 39(3–4):137–42 (Eng. Abstr.) **(Ser)**

PSYCHOLOGY

[Depressive disorder, pain perception and pain experience in patients with lumbar intervertebral disk displacement] Hasenbring M, et al.
Psychother Psychosom Med Psychol 1987 May;37(5):149–55 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Effects of i.v. contrast administration on intraspinal and paraspinal tissues: a CT study. I. Measurement of CT attenuation numbers. Wilmink JT, et al. **AJNR** 1987 Jul–Aug;8(4):703–9

A comparison of computed tomography and myelography in the diagnosis of lumbar disc herniation. Gillström P, et al. **Arch Orthop Trauma Surg** 1986;106(1):12–4

Significance of tangential views in lumbar discography. Matsui H, et al. **Clin Orthop** 1987 Aug;(221):165–71

Comparison of the radiation doses in lumbar CT and myelography. Ilkko E, et al. **Eur J Radiol** 1987 May; 7(2):119–20

The role of computerised tomography in intervertebral disc prolapse. Greenough CG, et al. **J Bone Joint Surg [Br]** 1986 Nov;68(5):729–33

Pyogenic spondylodiscitis without disc space collapse. Fontaine S, et al. **J Can Assoc Radiol** 1987 Jun;38(2):129–30

Computed tomography application to lumbar epidurography. Savolaine ER, et al. **J Comput Tomogr** 1987 Apr; 11(2):193–9

Lumbar disc herniation. A prospective comparison of computed tomography and myelography. Bhoopat W, et al. **J Med Assoc Thai** 1987 Jan;70(1):9–13

CT findings of herniated lumbar discs. Bhoopat W, et al. **J Med Assoc Thai** 1987 Feb;70(2):68–73

Migratory lumbar disc herniation. Computerized tomography and surgery. Krausé D, et al. **J Neuroradiol** 1987; 14(1):39–52 **(Eng, Fre)**

Reliability of clinical examination and computed tomography in the diagnosis of extreme lateral disc herniation. Spanu G, et al. **Neurochirurgia (Stuttg)** 1987 Jul;30(4):112–4

Intradural disc herniation with vacuum phenomenon: CT diagnosis. Anda S, et al. **Neuroradiology** 1987;29(4):407

Demonstration of anterior intervertebral disc herniation by CT. Johansen JG. **Neuroradiology** 1987;29(2):214

Recognition of gas–containing disc herniation on lateral CT–scoutview. Kaiser MC, et al. **Neuroradiology** 1987; 29(1):98

Metrizamide–enhanced computed tomography as an adjunct to metrizamide myelography in the evaluation of lumbar disc herniation and spondylosis. Voelker JL, et al.
Neurosurgery 1987 Mar;20(3):379–84

Lumbar disk herniation: diagnosis with CT or myelography. Schipper J, et al. **Radiology** 1987 Oct;165(1):227–31

Current status of lumbar diskography [letter] Shapter AE.
Radiology 1986 Dec;161(3):853–4

The CT appearance of two–level fractures of the posterior vertebral apophysis. A case report. De Santis M, et al.
Rays 1985 May–Aug;10(2):19–21

Myelographic defect on the side opposite the leg pain. A case report with an explanation of mechanism of action. Auld AW, et al. **Spine** 1979 Mar–Apr;4(2):174–5

Lumbar discography. Its value in diagnosis and treatment of lumbar disc lesions. Brodsky AE, et al. **Spine** 1979 Mar–Apr;4(2):110–20

Plain radiographic, discographic, and direct observations of Schmorl's nodes in the thoracolumbar junctional region of the cadaveric spine. Malmivaara A, et al. **Spine** 1987 Jun;12(5):453–7

Definitive diagnosis of extreme lateral lumbar disc herniation. Brown LJ. **Surg Neurol** 1987 Apr;27(4):373–6

[The role of sternocostal articulation in the clinical picture of lumbar discopathy] Tichý J, et al. **Cas Lek Cesk** 1987 May 15;126(20):616–8 (Eng. Abstr.) **(Cze)**

[Supplementary myelography in lumbar CT] Gelineck J, et al. **Ugeskr Laeger** 1987 Jun 15;149(25):1688–90 (Eng. Abstr.) **(Dan)**

[Computed tomography of the lumbar region] Lähde S, et al. **Duodecim** 1987;103(4):208–13 **(Fin)**

[Value of high–resolution computed tomography in evaluating cervical herniated disks] Halversen GL, et al. **J Radiol** 1986 May;67(5):423–9 (Eng. Abstr.) **(Fre)**

[Discal incontinence: a contraindication to chemonucleolysis (letter)] Eschard JP, et al. **Presse Med** 1986 Dec 6; 15(43):2166 **(Fre)**

[Course of conservatively treated acute lumbar root compression syndrome. A computer tomography controlled study] Schultz U, et al.
Dtsch Med Wochenschr 1986 Oct 10;111(41):1549–53 (Eng. Abstr.) **(Ger)**

[Electromyographic and neurologic findings in radiologically demonstrated numerical variations in the lumbosacral transition] Eickhoff W, et al. **Neurochirurgia (Stuttg)** 1986 Sep;29(5):189–92 (Eng. Abstr.) **(Ger)**

[Significance of diskography and contrast medium/enzyme interaction] Pon A, et al. **Neurochirurgia (Stuttg)** 1986 Sep; 29 Suppl 1:134–7 (Eng. Abstr.) **(Ger)**

[Technic of patient positioning for spinal computed tomography in the diagnosis of cervical disk disease] Artmann H, et al. **Radiol Diagn (Berl)** 1986;27(6):817–20 (Eng. Abstr.) **(Ger)**

[Cerebral seizure following lumbar myelography with iopamidol] Grunert P, et al. **Radiologe** 1986 Nov; 26(11):526–7 (Eng. Abstr.) **(Ger)**

[Lumbar reprolapse or scar tissue? An attempt at differentiation via a computer tomographic bicolor mode] Dihlmann W. **ROFO** 1987 Mar;146(3):330–4 (Eng. Abstr.) **(Ger)**

[The value of early postoperative CT study after lumbar intervertebral disk surgery] Hammer B, et al. **ROFO** 1986 Nov;145(5):586–90 (Eng. Abstr.) **(Ger)**

[Computerized tomography and myelography findings following lumbar intervertebral disk surgery] Steiner H, et al. **ROFO** 1987 Jun;146(6):697–704 (Eng. Abstr.) **(Ger)**

[Multiple simultaneous bilateral herniated disks] De Palma L, et al. **Arch Putti Chir Organi Mov** 1985;35:21–7 (Eng. Abstr.) **(Ita)**

[Lumbosacral computerized tomography in disk pathology: the preoperative role of the study] Recchioni F, et al.
Chir Organi Mov 1986 Jul–Aug;71(3):265–9 (Eng. Abstr.) **(Ita)**

[Computerized tomography study of 32 patients with disk hernia confirmed during surgical intervention] Bozzao L, et al. **Minerva Chir** 1986 Dec 31;41(23–24):2031–5 (Eng. Abstr.) **(Ita)**

[Contrast methods of study in the diagnosis and treatment of hernias of the lumbar disks] Tsarev NI, et al.
Vestn Khir 1987 Jan;138(1):50–4 (Eng. Abstr.) **(Rus)**

[Epidurography as a method of topical diagnosis of hernia of the lumbar intervertebral disks] Margolin GA, et al.
Vestn Rentgenol Radiol 1986 Nov–Dec;(6):69–73 (Eng. Abstr.) **(Rus)**

[Indications for computerized tomography in disk hernias and in neurology (letter)] Massot Punyet R.
Med Clin (Barc) 1987 Mar 28;88(12):522 **(Spa)**

[Computerized tomography and disk hernias. The problem of its pathologic evaluation (editorial)] Rotés Querol J.
Med Clin (Barc) 1986 Oct 4;87(10):413–4 **(Spa)**

[Thoracic disk hernia—a difficult diagnosis] Jónsson H Jr, et al. **Lakartidningen** 1987 Jan 7;84(1–2):49 **(Swe)**

REHABILITATION

Rehabilitation after surgery for lumbar disc herniation: results of a randomized clinical trial. Alaranta H, et al.
Int J Rehabil Res 1986;9(3):247–57

[Lumbar disk prolapse in conservative treatment] Becker–Casademont R, et al. **Fortschr Med** 1986 Oct 23; 104(40):745–8 (Eng. Abstr.) **(Ger)**

[Early and late results of physical therapy in lumbar disk prolapse] Becker R, et al. **Z Orthop** 1987 Jan–Feb; 125(1):7–9 (Eng. Abstr.) **(Ger)**

SURGERY

The lateral microsurgical approach to the "extracanalicular" lumbar disc herniation. I: A technical note. Reulen HJ, et al. **Acta Neurochir (Wien)** 1987;84(1–2):64–7

Somatosensory evoked potentials in evaluation of decompressive surgery of cervical spondylosis and herniated disc. Heiskari M, et al. **Ann Clin Res** 1986;18 Suppl 47:107–13

Comparative retrospective study of patients operated for cervical disc herniation and spondylosis. Heiskari M.
Ann Clin Res 1986;18 Suppl 47:57–63

Percutaneous nucleotomy. An alternative to spinal surgery. Suezawa Y, et al. **Arch Orthop Trauma Surg** 1986;

105(5):287–95
Microsurgical discectomy: a prospective study of 200 patients. Schutz H, et al. **Can J Neurol Sci** 1987 Feb; 14(1):81–3
The Farfan back operation: technique and results. Forbes DB. **Can J Surg** 1975 Nov;18(6):546–51
Lumbar microdiscectomy: a contrary opinion. Fager CA. **Clin Neurosurg** 1986;33:419–56
Management of cervical radiculopathy. Hunt WE, et al. **Clin Neurosurg** 1986;33:485–502
Microlumbar discectomy. Maroon JC, et al. **Clin Neurosurg** 1986;33:407–17
The effects of chymopapain on prolapsed human intervertebral disc. A clinical and correlative histochemical study. Suguro T, et al. **Clin Orthop** 1986 Dec;(213):223–31
Intradural lumbar disc hernia. Case report. Cantini R, et al. **Ital J Orthop Traumatol** 1986 Jun;12(2):267–70
Multiple thoracic disc herniations. Case report. Chin LS, et al. **J Neurosurg** 1987 Feb;66(2):290–2
Long-term prospective study of lumbosacral discectomy. Lewis PJ, et al. **J Neurosurg** 1987 Jul;67(1):49–53
Blood usage and laminectomy. Rutherford AD. **J R Coll Surg Edinb** 1987 Apr;32(2):72–3
Percutaneous laser nucleolysis of lumbar disks [letter] Choy DS, et al. **N Engl J Med** 1987 Sep 17;317(12):771–2
Outpatient microsurgical management of ruptured lumbar discs. Rogers LA. **NC Med J** 1987 Mar;48(3):117–20
Intraradicular disc herniation [letter] Açikgöz B, et al. **Neurosurgery** 1986 Oct;19(4):673–4
High thoracic disc herniation. Alberico AM, et al. **Neurosurgery** 1986 Sep;19(3):449–51
CT in postdiscectomy pain [letter] Wilkinson HA. **Neurosurgery** 1987 Jul;21(1):130
Computed tomography in the postoperative lumbar spine. Kornberg M. **Orthopedics** 1987 Jul;10(7):1031–3
Lumbar spine after surgery: examination with intravenous contrast-enhanced CT. Firooznia H, et al. **Radiology** 1987 Apr;163(1):221–6
Automated percutaneous diskectomy: initial patient experience. Work in progress. Onik G, et al. **Radiology** 1987 Jan;162(1 Pt 1):129–32
Roentgenographic findings following anterior cervical fusion. Gore DR, et al. **Skeletal Radiol** 1986;15(7):556–9
Internal disc disruption. A challenge to disc prolapse fifty years on. Crock HV. **Spine** 1986 Jul–Aug;11(6):650–3
The differential utility of the Minnesota Multiphasic Personality Inventory. A predictor of outcome in lumbar laminectomy for disc herniation versus spinal stenosis. Herron LD, et al. **Spine** 1986 Oct;11(8):847–50
Lumbar disc herniation in the elderly. Maistrelli GL, et al. **Spine** 1987 Jan–Feb;12(1):63–6
Epidural migration of extruded cervical disc and its surgical treatment. Manabe S, et al. **Spine** 1986 Nov;11(9):873–8
Patient selection for lumbar discectomy. An objective approach. Spengler DM, et al. **Spine** 1979 Mar–Apr; 4(2):129–34
Operations for herniated lumbar discs. A follow-up study 2–5 years after surgery. Wallöe A, et al. **Spine** 1986 Jul–Aug;11(6):636–7
Lumbar laminectomy for herniated disc: a prospective controlled comparison with internal fixation fusion. White AH, et al. **Spine** 1987 Apr;12(3):305–7
Microlumbar discectomy. A 12-year statistical review. Williams RW. **Spine** 1986 Oct;11(8):851–2
An alternative repair of major vascular injury inflicted during lumbar disk surgery. Horacio Alvarez J, et al. **Surgery** 1987 Apr;101(4):505–7
Management of lumbar disc disease [letter] Sukoff MH. **West J Med** 1987 Jun;146(6):748
Iatrogenic lumbar pseudomeningocele. Rocca A, et al. **Zentralbl Neurochir** 1986;47(4):311–5
[Surgical therapy of lumbar intervertebral disk prolapse] Cabadaj J. **Cas Lek Cesk** 1987 Apr 17;126(16):497–502 (Eng. Abstr.) **(Cze)**
[System of intensive rehabilitation after lumbar intervertebral disk surgery] Cabadaj J. **Cas Lek Cesk** 1987 May 22; 126(21):656–61 (Eng. Abstr.) **(Cze)**
[Microsurgical operations in intervertebral disk prolapse] Paleček T, et al. **Rozhl Chir** 1987 Mar;66(3):216–9 (Eng. Abstr.) **(Cze)**
[The first operation for lumbar disk prolapse] Hansen D, et al. **Ugeskr Laeger** 1987 Feb 16;149(8):511–3 (Eng. Abstr.) **(Dan)**
[Postoperative lumbal discitis after disk prolapse surgery] Nielsen NA. **Ugeskr Laeger** 1987 Mar 9;149(11):714–6 (Eng. Abstr.) **(Dan)**
[Factors predicting 1-year results in lumbar surgery] Hurme M, et al. **Duodecim** 1986;102(21):1587–96 (Eng. Abstr.) **(Fin)**
[Long-term results of interbody fusion in neck pathology] Dereymaeker A. **Acta Neurol Belg** 1987 Mar–Apr; 87(2):57–65 (Eng. Abstr.) **(Fre)**
[Cervical foraminal disk hernia. Treatment by diskoforaminotomy] Lesoin F, et al. **Neurochirurgie** 1987; 33(1):74–8 (Eng. Abstr.) **(Fre)**
[Results of posterior lumbar interbody arthrodesis in failures of disk surgery] Lerat JL, et al. **Rev Chir Orthop** 1986;72 Suppl 2:95–100 **(Fre)**
[Dorsal disc herniation. 13 cases] Lesoin F, et al. **Rev Chir Orthop** 1986;72(6):441–5 (Eng. Abstr.) **(Fre)**
[Cause of failure of nucleolysis and results of surgery] Deburge A, et al. **Rev Rhum Mal Osteoartic** 1986 Jun; 53(6):373–7 (Eng. Abstr.) **(Fre)**
[Histopathology of the spinal ganglia following thermocoagulation. I. Necropsy material] Rozhold O, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;111:209–18 **(Ger)**
[Intercorporal traction spondylodeses of the lumbar spine—results and experiences] Gutsche H, et al. **Beitr Orthop Traumatol** 1987 Jun;34(6):277–87 (Eng. Abstr.) **(Ger)**
[Comparison of the microsurgical lumbar intervertebral disk operation with the conventional technic in free sequestered intervertebral disk prolapse. A retrospective study based on 267 cases] Kho HC, et al. **Neurochirurgia (Stuttg)** 1986 Sep;29(5):181–5 (Eng. Abstr.) **(Ger)**
[Roentgen morphology following interventions of the lumbar intervertebral disk] Hansen C, et al. **Rontgenblatter** 1986 Oct;39(10):280–6 (Eng. Abstr.) **(Ger)**
[Ureteral injuries in intervertebral lumbar disk surgery] Heller V, et al. **Urologe [A]** 1986 Nov;25(6):347–50 (Eng. Abstr.) **(Ger)**
[An alternative treatment strategy in lumbar intervertebral disk damage using an SB Charité modular type intervertebral disk endoprosthesis] Büttner-Janz K, et al. **Z Orthop** 1987 Jan–Feb;125(1):1–6 (Eng. Abstr.) **(Ger)**
[Blood pressure regulation in neurosurgical interventions in the lumbar area in the seated patient] Fichtner D, et al. **Zentralbl Neurochir** 1986;47(4):334–8 (Eng. Abstr.) **(Ger)**
[Transdural penetration of sequestered hernias of lumbar intervertebral disks] Lampe J, et al. **Zentralbl Neurochir** 1986;47(2):116–9 (Eng. Abstr.) **(Ger)**
[737 cases of hernia of the lumbar disk treated 1979–80 at the Rizzoli Orthopedic Institute] Blondi C, et al. **Chir Organi Mov** 1986 Jul–Aug;71(3):271–3 (Eng. Abstr.) **(Ita)**
[Surgical treatment of the herniated cervical disc—a consideration on the choice of operative method following our experience with 200 patients] Koyama T, et al. **No Shinkei Geka** 1987 Jan;15(1):15–22 (Eng. Abstr.) **(Jpn)**
[Transthoracic approach and costotransversectomy in thoracic discogenic disease] Nakagawa H. **No Shinkei Geka** 1986 Oct;14(11):1291–6 (Eng. Abstr.) **(Jpn)**
[Spinal stenosis in surgical observations of patients with discopathy] Kiwerski J, et al. **Chir Narzadow Ruchu Ortop Pol** 1986;51(2):113–6 (Eng. Abstr.) **(Pol)**
[Intradural herniation of the intervertebral disk of the cervical segment of the spine] Lechowski S, et al. **Neurol Neurochir Pol** 1986 Nov–Dec;20(6):589–91 (Eng. Abstr.) **(Pol)**
[Lumbar hernia in patients at a young age] Kiwerski J. **Pol Tyg Lek** 1986 May 19;41(20):647–9 (Eng. Abstr.) **(Pol)**
[Reactive-inflammatory process in the spinal canal after implantation of autologous intervertebral disk cartilage] Blagodatskiĭ MD, et al. **Arkh Patol** 1987;49(1):26–31 (Eng. Abstr.) **(Rus)**
[Exchanging intervertebral disks. The concept and clinical experience using a cement-free intervertebral disk endoprosthesis of the "Charité Modular SB" type] Zippel H, et al. **Chir Narzadow Ruchu Ortop Pol** 1986;51(4):245–8 (Eng. Abstr.) **(Rus)**

THERAPY

Computed tomography scanning after chymopapain injection for herniated nucleus pulposus. A prospective study. Boumphrey FR, et al. **Clin Orthop** 1987 Jun;(219):120–3
Prevention of chymopapain anaphylaxis by screening chemonucleolysis candidates with cutaneous chymopapain testing. A preliminary report. Grammer LC, et al. **Clin Orthop** 1987 Aug;(221):202–6
Treatment of lumbar intervertebral disc protrusions by manipulation. Kuo PP, et al. **Clin Orthop** 1987 Feb; (215):47–55
Chemonucleolysis of lumbar intervertebral disc prolapse with chymopapain: outcome after 1 year. Grindulis KA, et al. **Clin Rheumatol** 1987 Mar;6(1):42–9
Is proper body positioning OMT? [letter] Lee RP. **J Am Osteopath Assoc** 1986 Sep;86(9):537–8
Autotraction in lumbar disc herniation with CT examination before and after treatment, showing no change in appearance of the herniated tissue. Ljunggren AE, et al. **J Oslo City Hosp** 1986 Sep;36(9):87–91
Chemonucleolysis and microsurgery for lumbar disk disease [letter] McCulloch JA. **JAMA** 1987 Jan 2;257(1):28
Chemonucleolysis versus surgery in lumbar disc herniations: correlation of the results to preoperative clinical pattern and size of the herniation. Postacchini F, et al. **Spine** 1987 Mar;12(2):87–96
[Role of peripheral catecholamine in the analgesic regulation of traction and massage] Liu ZC. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Sep;6(9):540–2, 516 (Eng. Abstr.) **(Chi)**
[The sick intervertebral disk: pain in the back and legs. Causes and possibilities for treatment] Oldenkott P. **Med Monatsschr Pharm** 1986 Aug;9(8):229–35 **(Ger)**
[Experience with the reflexotherapy of diskogenic pain syndromes] Shchedrenok VV, et al. **Zh Nevropatol Psikhiatr** 1987;87(4):530–3 (Eng. Abstr.) **(Rus)**

INTERVIEW, PSYCHOLOGICAL

Observed behaviors during clinical interviews predict improvement in depression. Bouhuys AL, et al. **Acta Psychiatr Belg** 1986;86:699–720
Assessing psychiatric disorders in children. Discrepancies between mothers' and children's reports. Weissman MM, et al. **Arch Gen Psychiatry** 1987 Aug;44(8):747–53
Recognition of alcoholism and substance abuse in primary care patients. Coulehan JL, et al. **Arch Intern Med** 1987 Feb;147(2):349–52
Classification procedures for differential treatment. Bornholt LJ, et al. **Br J Clin Psychol** 1987 May;26 (Pt 2):155–6
CAMDEX. A standardised instrument for the diagnosis of mental disorder in the elderly with special reference to the early detection of dementia. Roth M, et al. **Br J Psychiatry** 1986 Dec;149:698–709
Psychodynamic and structured interviewing: issues of validity. Haas AP, et al. **Compr Psychiatry** 1987 Jan–Feb; 28(1):40–53
Assessment of specific drug disorders in a sample of substance abuse patients: a comparison of the DIS and the SADS-L procedures. Hasin DS, et al. **Drug Alcohol Depend** 1987 Mar;19(2):165–76
Psychophysiological reactivity and speech behavior during the Structured Type A Interview and a self-disclosure monologue. Pfiffner E, et al. **Int J Psychophysiol** 1987 May; 5(1):1–9
A resident perspective on the radiology residency. The critical incident technique. Tarico VS, et al. **Invest Radiol** 1986 Nov;21(11):877–80
The relative importance of identity status interview components: replication and extension. Kroger J. **J Adolesc** 1986 Dec;9(4):337–54
Bulimia: an individual behavioral analysis. Chiodo J. **J Behav Ther Exp Psychiatry** 1987 Mar;18(1):41–9
The inhibited power motive, type A behavior, and patterns of cardiovascular response during the structured interview and Thematic Apperception Test. Blumenthal JA, et al. **J Human Stress** 1985 Summer;11(2):82–92
Life events assessment of depressed patients: a comparison of self-report and interview formats. Zimmerman M, et al. **J Human Stress** 1986 Spring;12(1):13–9
Psychiatric interviews and psychological tests as predictors of medical students' success. Aldrich CK. **J Med Educ** 1987 Aug;62(8):658–64
Do psychological studies upset patients? [letter] Fallowfield LJ, et al. **J R Soc Med** 1987 Jan;80(1):59
Assessment of fitness to stand trial: a critique. Coles EM, et al. **Med Law** 1986;5(6):489–97
Hypnotic interview and age regression procedures in the elicitation of multiple personality symptoms: a simulation study. Spanos NP, et al. **Psychiatry** 1986 Nov;49(4):298–311
An interview outline for the evaluation of disruptive adolescents. McGiboney G, et al. **Psychol Rep** 1987 Jun; 60(3 Pt 2):1157–8
The polydiagnostic interview: a structured interview for the polydiagnostic classification of psychiatric patients. Philipp M, et al. **Psychopathology** 1986;19(4):175–85
Demographic correlates of SI assessments of type A behavior. Moss GE, et al. **Psychosom Med** 1986 Nov–Dec; 48(8):564–74
The Interview Measure of Social Relationships: the description and evaluation of a survey instrument for assessing personal social resources. Brugha TS, et al. **Soc Psychiatry** 1987;22(2):123–8
Do health professionals agree on the parenting potential of pregnant women? Sommerfeld DP, et al. **Soc Sci Med** 1987; 24(3):285–8
[Videotape recording of the French-language AMDP system] Lecoq A. **Acta Psychiatr Belg** 1987 Jan–Feb; 87(1):69–84 (Eng. Abstr.) **(Fre)**
[A problem detected by the AMDP rating of the Mar. case: the relation between phobia and obsession] Pellet J, et al. **Acta Psychiatr Belg** 1987 Mar–Apr;87(2):179–96 (Eng. Abstr.) **(Fre)**
[Childhood antecedents in adult schizophrenics. II) Anamnestic study of 35 adult schizophrenics] Etchepare JJ, et al. **Ann Med Psychol (Paris)** 1986 Apr;144(4):387–95 **(Fre)**
[Sources of error in psychological evaluation for automobile driving fitness] Kürti K. **Blutalkohol** 1986 Nov;23(6):381–93 (Eng. Abstr.) **(Ger)**
[The initial interview in counseling—a communications viewpoint] Buchholz MB. **Prax Kinderpsychol Kinderpsychiatr** 1987 Apr;36(3):98–106 (Eng. Abstr.) **(Ger)**
[Quantification of emotional insight in the initial psychoanalytic interview] Hohage R, et al. **Psychother Psychosom Med Psychol** 1987 Jun;37(6):193–6 (Eng. Abstr.) **(Ger)**
[Documentation of the interview outcome in psychotherapeutic ambulatory care] Hohage R, et al. **Psychother Psychosom Med Psychol** 1987 Jul;37(7):244–7 (Eng. Abstr.) **(Ger)**
[Decisions of the physician in a psychoanalytic interview. Patient characteristics in the initial psychodiagnostic interview] Janta B, et al. **Z Psychosom Med Psychoanal** 1987;33(1):20–31 (Eng. Abstr.) **(Ger)**

METHODS

The microcomputerized Diagnostic Interview Schedule:

clinical use in an out-patient setting. Wyndowe J. **Can J Psychiatry** 1987 Mar;32(2):93–9

Interviewing young sexual abuse victims with anatomically correct dolls. White S, et al. **Child Abuse Negl** 1986; 10(4):519–29

Interventive interviewing: Part I. Strategizing as a fourth guideline for the therapist. Tomm K. **Fam Process** 1987 Mar;26(1):3–13

Interventive interviewing: Part II. Reflexive questioning as a means to enable self-healing. Tomm K. **Fam Process** 1987 Jun;26(2):167–83

A computerized behavioral assessment for children with headaches. Leviton A, et al. **Headache** 1984 Jul;24(2):182–5

Considerations for the physician who treats adolescents in the office. Yancy WS. **Semin Adolesc Med** 1987 Jun; 3(2):93–7

STANDARDS

[Standardization of the clinical interview as a function of the AMDP scales] Mormont C. **Acta Psychiatr Belg** 1987 Jan–Feb;87(1):61–8 (Eng. Abstr.) (Fre)

INTERVIEWS

Interviewing the elderly about their health: validity and effects on family doctor contacts. Ebrahim S, et al. **Age Ageing** 1987 Jan;16(1):52–7

Compact camcorders for teaching psychiatric interviewing [letter] Shaner A. **Am J Psychiatry** 1987 Sep;144(9):1245

The preoperative interview. Its effect on perioperative nurses' empathy. Alverson E. **AORN J** 1987 May; 45(5):1158–64

The MLA Medical Librarianship Oral History Program. Zinn NW. **Bull Med Libr Assoc** 1987 Jan;75(1):38–9

A microcomputer based interview system for antenatal clinic. Wong WS, et al. **Comput Biol Med** 1986;16(6):453–63

Assessment of physical activity by questionnaire and personal interview with particular reference to fitness and coronary mortality. Mundal R, et al. **Eur J Appl Physiol** 1987; 56(3):245–52

Interviewing style and response to family information by family practice residents. Crouch MA, et al. **Fam Med** 1986 Jan–Feb;18(1):15–8

Simulated versus actual patients in teaching medical interviewing. Simek-Downing L, et al. **Fam Med** 1986 Nov–Dec;18(6):358–60

The interview as legacy: a social scientist confronts AIDS. Weitz R. **Hastings Cent Rep** 1987 Jun;17(3):21–3

Lay reporting and verbal autopsy in assessment of infant mortality [editorial] Kumar V, et al. **Indian J Pediatr** 1986 Nov–Dec;53(6):672–4

The interview in Family Practice Resident Selection. Phillips WR. **J Fam Pract** 1976 Aug;3(4):444–5

Interviewing older adults: the accuracy of factual information. Rodgers WL, et al. **J Gerontol** 1987 Jul; 42(4):387–94

The selection of medical students [letter] Shepard A. **JAMA** 1987 May 1;257(17):2291–2

Common response patterns of medical students in interviews of hospitalized patients. Brent EE, et al. **Med Care** 1986 Nov;24(11):981–9

Patient appreciations of computerized medical interviews. Quaak MJ, et al. **Med Inf (Lond)** 1986 Oct–Dec; 11(4):339–50

Teaching interviewing skills to first year medical students: do they learn? Harvey J, et al. **Proc Annu Conf Res Med Educ** 1986;25:42–7

The use of interviews with surrogate respondents in a case-control study of oral cancer. Greenberg RS, et al. **Yale J Biol Med** 1986 Sep–Oct;59(5):497–504

[The granting of interviews by physicians. The 20 November 1986 verdict of the Federal Supreme Court] Rieger HJ. **Dtsch Med Wochenschr** 1987 Aug 28;112(35):1352–3 (Ger)

METHODS

Ratings of videotaped simulated patient interviews and four other methods of evaluating a psychiatry clerkship. Mumford E, et al. **Am J Psychiatry** 1987 Mar;144(3):316–22

Productive employee interviewing. Methods for choosing OR staff. Battle EH. **AORN J** 1987 Apr;45(4):981–91

Family practice resident selection using a videotaped interview. Sparti P. **Fam Med** 1986 Jan–Feb;18(1):40–1

Adults who are mentally handicapped as consumers: issues and guidelines for interviewing. Flynn MC. **J Ment Defic Res** 1986 Dec;30 (Pt 4):369–77

The exit interview technique. Neidermeyer E, et al. **J Nurs Adm** 1987 Jul–Aug;17(7–8):8

When is the recovering impaired nurse ready to work? A job interview guide. Veatch D. **J Nurs Adm** 1987 Feb; 17(2):14–6

An innovative method of job interviewing. Walters JA. **J Nurs Adm** 1987 May;17(5):25–9

Interviewing guidelines for the clinical evaluation of adolescent substance abuse. Anglin TM. **Pediatr Clin North Am** 1987 Apr;34(2):381–98 (29 ref.)

STANDARDS

Assessing interviewing skills: the simulated office oral examination. Sawa RJ. **J Fam Pract** 1986 Dec;23(6):567–71

Selection of medical students—are interview evaluations consistent? Mitchell G, et al. **S Afr Med J** 1987 Jun 20; 71(12):774–6

INTESTINAL ABSORPTION

see related
MALABSORPTION SYNDROMES

The effect of spinal analgesia and surgery on peroperative drug absorption and gastric emptying in man. Adelhøj B, et al. **Acta Anaesthesiol Scand** 1987 Feb;31(2):165–7

Intestinal xylose degradation and bile acid deconjugation in patients with continent or conventional ileostomy. Akesson B, et al. **Acta Chir Scand** 1987 Mar;153(3):221–3

Physiopathological mechanisms of malabsorption in adult coeliac disease. Cobden I. **Acta Gastroenterol Belg** 1986 Jul–Aug;49(4):435–41

Intestinal permeability in small children during and after rotavirus diarrhoea assessed with different-size polyethyleneglycols (PEG 400 and PEG 1000). Stintzing G, et al. **Acta Paediatr Scand** 1986 Nov;75(6):1005–9

Failure to demonstrate intestinal absorption of RNA in the newborn pig. Preliminary communication. Baintner K, et al. **Acta Vet Hung** 1986;34(3–4):239–41

Calcium absorption in the rat colon measured in vivo. Ammann P, et al. **Adv Exp Med Biol** 1986;208:235–8

Intestinal absorption, liver uptake, and excretion of 3H-folic acid in folic acid–deficient, alcohol-consuming nonhuman primates. Blocker DE, et al. **Am J Clin Nutr** 1987 Sep; 46(3):503–10

The rapid hydrolysis and efficient absorption of triglycerides with octanoic acid in the 1 and 3 positions and long-chain fatty acid in the 2 position. Jandacek RJ, et al. **Am J Clin Nutr** 1987 May;45(5):940–5

The effect of starch-protein interaction in wheat on the glycemic response and rate of in vitro digestion. Jenkins DJ, et al. **Am J Clin Nutr** 1987 May;45(5):946–51

Curry powder as a vehicle for iron fortification: effects on iron absorption. Lamparelli RD, et al. **Am J Clin Nutr** 1987 Aug;46(2):335–40

Slowly digested and absorbed carbohydrate in traditional bushfoods: a protective factor against diabetes? Thorburn AW, et al. **Am J Clin Nutr** 1987 Jan;45(1):98–106

Absorption of water-miscible forms of vitamin E in a patient with cholestasis and in thoracic duct-cannulated rats. Traber MG, et al. **Am J Clin Nutr** 1986 Dec;44(6):914–23

Digestibility of carbohydrate foods in an ileostomate: relationship to dietary fiber, in vitro digestibility, and glycemic response. Jenkins DJ, et al. **Am J Gastroenterol** 1987 Aug;82(8):709–17

Differences in uptake and esterification of saturated analogues of cholesterol by rat small intestine. Bhattacharyya AK. **Am J Physiol** 1986 Oct;251(4 Pt 1):G495–500

Mechanisms of enhanced canine enteric absorption with intestinal pacing. Bjorck S, et al. **Am J Physiol** 1987 Apr; 252(4 Pt 1):G548–53

Pyloric ceca of fish: a "new" absorptive organ.Buddington RK, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):G65–76

Functional role of carbonic anhydrase in intestinal electrolyte transport. Charney AN, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):G682–7

Mechanism of pH effect on oleic acid and cholesterol absorption in the rat. Chijiiwa K, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):G506–10

Distribution and monomer activity of cholesterol in micellar bile salt: effect of cholesterol level. Chijiiwa K, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):G309–14

Uptake pathways for amino acids in mouse intestine. Karasov W, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):G501–8

Luminal and plasma glucose concentrations on intestinal fluid absorption and lymph flow. Lee JS. **Am J Physiol** 1987 Apr;252(4 Pt 1):G568–73

Quantitative assessment of luminal stirring in the perfused small intestine of the rat. Levitt MD, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):G325–32

Absence of a cAMP-mediated antiabsorptive effect in an undifferentiated jejunal epithelium. MacLeod RJ, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):G776–82

A carrier-mediated system for transport of biotin in rat intestine in vitro. Said HM, et al. **Am J Physiol** 1987 Jan; 252(1 Pt 1):G52–5

Ionic regulation of Na absorption in proximal colon: cation inhibition of electroneutral Na absorption. Sellin JH, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):G100–8

Regulation of Na-Cl absorption in rabbit proximal colon in vitro. Sellin JH, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):G45–51

Comparison of different dietary sugars as inducers of intestinal sugar transporters. Solberg DH, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):G574–84

Cholinergic regulation of Na absorption by turtle colon: role of basolateral K conductance. Venglarik CJ, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):C563–70

Increased intestinal permeability in Crohn disease [letter] Grossman CM. **Ann Intern Med** 1987 Apr;106(4):641

Increased intestinal permeability in patients with Crohn's disease and their relatives. A possible etiologic factor. Hollander D, et al. **Ann Intern Med** 1986 Dec;105(6):883–5

Proton and bicarbonate transport mechanisms in the intestine. Hopfer U, et al. **Annu Rev Physiol** 1987;49:51–67 (127 ref.)

Effect of human milk folate binding protein on folate intestinal transport. Said HM, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):114–20

Intestinal malabsorption in cystic fibrosis. Penny DJ, et al. **Arch Dis Child** 1986 Nov;61(11):1127–8

Gastrointestinal absorption of sulpiride in rat. Mizuno N, et al. **Arch Int Pharmacodyn Ther** 1986 Sep;283(1):30–8

Lactose and calcium absorption in postmenopausal osteoporosis. Horowitz M, et al. **Arch Intern Med** 1987 Mar;147(3):534–6

Blocking of iron absorption by a preliminary oral dose of iron. O'Neil-Cutting MA, et al. **Arch Intern Med** 1987 Mar; 147(3):489–91

Increasing intestinal absorption of drugs by formulation. Kincl FA, et al. **Arch Pharm (Weinheim)** 1986 Jul; 319(7):615–24

Enteric transit and absorption after canine ileostomy. Effect of pacing. O'Connell PR, et al. **Arch Surg** 1987 Sep; 122(9):1011–7

Transperitoneal absorption of glucose and amino acids for nutritional support. Stabile BE, et al. **Arch Surg** 1987 Mar; 122(3):344–8

Classical absorption theory and the development of gastric mucosal damage associated with the non-steroidal anti-inflammatory drugs. McCormack K, et al. **Arch Toxicol** 1987 Jun;60(4):261–9 (81 ref.)

Intestinal absorption of aluminium in rats: effect of sodium. van der Voet GB, et al. **Arch Toxicol [Suppl]** 1987;11:231–5

Aboral changes in D-glucose transport by human intestinal brush-border membrane vesicles. Bluett MK, et al. **Biochem J** 1986 Jul 1;237(1):229–34

Absorption of protein via the intestinal wall. A quantitative model. Ziv E, et al. **Biochem Pharmacol** 1987 Apr 1; 36(7):1035–9

Intake of monosaccharides or amino acids induces pituitary gland synthesis of proteins regulating intestinal fluid transport. Lönnroth I, et al. **Biochim Biophys Acta** 1987 Aug 13;925(2):117–23

Comparison of 59Fe3+ uptake in vitro and in vivo by mouse duodenum. Raja KB, et al. **Biochim Biophys Acta** 1987 Jul 10;901(1):52–60

Studies on the role of transferrin and endocytosis in the uptake of Fe3+ from Fe-nitrilotriacetate by mouse duodenum. Simpson RJ, et al. **Biochim Biophys Acta** 1986 Oct 29;884(1):166–71

Drug absorption evaluation in the presence of changes in clearance: an algorithm and computer program for deconvolution with exact clearance correction. Veng-Pedersen P. **Biopharm Drug Dispos** 1987 Mar–Apr; 8(2):185–203

The relationship between gastric emptying of semisolids and paracetamol absorption. Petring OU, et al. **Br J Clin Pharmacol** 1986 Dec;22(6):659–62

The role of mucosal transferrin in intestinal iron absorption [editorial] Osterloh KR, et al. **Br J Haematol** 1987 Jan; 65(1):1–3

Relationship between erythropoiesis and the enhanced intestinal uptake of ferric iron in hypoxia in the mouse. Raja KB, et al. **Br J Haematol** 1986 Nov;64(3):587–93

The intestinal transport of zinc studied using brush-border–membrane vesicles from the piglet. Blakeborough P, et al. **Br J Nutr** 1987 Jan;57(1):45–55

Net absorption from portal-drained viscera of nitrogenous compounds by beef heifers fed on diets differing in protein solubility or degradability in the rumen. Huntington GB. **Br J Nutr** 1987 Jan;57(1):109–14

Absorption and secretion of 65Zn in the stomach and intestinal tract of sheep exchanging digesta via duodenal re-entrant cannulas. Ivan M. **Br J Nutr** 1987 May; 57(3):479–88

Lactitol, a new hydrogenated lactose derivative: intestinal absorption and laxative threshold in normal human subjects. Patil DH, et al. **Br J Nutr** 1987 Mar;57(2):195–9

Kindled seizure induction alters and is altered by zinc absorption. Barry-Sterman M, et al. **Brain Res** 1986 Sep 24;383(1–2):382–6

Role of mucosal metallothionein preinduced by oral Cd or Zn on the intestinal absorption of a subsequent Cd dose. Sugawara N, et al. **Bull Environ Contam Toxicol** 1987 Feb; 38(2):295–9

Influence of accompanying anion on intestinal radiocalcium absorption. Marchandise X, et al. **Calcif Tissue Int** 1987 Jan;40(1):8–11

Membrane controls of epithelial phosphate transport. Quamme GA, et al. **Can J Physiol Pharmacol** 1987 Mar; 65(3):275–86 (102 ref.)

Further studies on the mechanism of the absorption of ion pair complex from the rat small intestine. Nakamura J, et al. **Chem Pharm Bull (Tokyo)** 1977 May;25(5):851–8

Effect of nonsteroidal anti-inflammatory drugs on the absorption of macromolecular drugs in rat rectum. Nakanishi K, et al. **Chem Pharm Bull (Tokyo)** 1986 Jun; 34(6):2628–31

Intestinal absorption characteristics of 5-fluorouracil, ftorafur and 6-mercaptopurine in rats. Sasaki H, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4265–72

Intestinal absorption of a beta-adrenergic blocking agent nadolol. I. Comparison of absorption behavior of nadolol with those of other beta-blocking agents in rats. Yamaguchi T, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug;34(8):3362–9

Intestinal absorption of a beta-adrenergic blocking agent nadolol. III. Nuclear magnetic resonance spectroscopic study on nadolol-sodium cholate micellar complex and intestinal absorption of nadolol derivatives in rats. Yamaguchi T, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;

34(10):4259–64
Possible role for adenosine in local regulation of absorptive hyperemia in rat intestine. Proctor KG. **Circ Res** 1986 Oct; 59(4):474–81
The increase in zincaemia provoked by starvation does not influence the intestinal absorption of zinc. Couturier E, et al. **Clin Chim Acta** 1987 Mar 16;163(2):165–9
Paracellular recirculation of sodium is essential to support nutrient absorption in the gastrointestinal tract: an hypothesis. Halperin ML, et al. **Clin Invest Med** 1986; 9(3):209–11
Adaptation of intestinal sugar and amino acid transport to gastric hyperalimentation. Laganière S, et al. **Clin Invest Med** 1986;9(3):176–85
Gastrointestinal absorption of aluminum. Alfrey AC. **Clin Nephrol** 1985;24 Suppl 1:S84–7 (26 ref.)
Absorption of 5-fluorouracil and related pyrimidines in rat small intestine. Bronk JR, et al. **Clin Sci** 1987 Jun; 72(6):705–16
The relationship between intestinal crypt cell production and intestinal water absorption measured in vitro in the rat. Goodlad RA, et al. **Clin Sci** 1987 Mar;72(3):297–304
Glucose absorption from maltotriose and glucose oligomers in the human jejunum. Jones BJ, et al. **Clin Sci** 1987 Apr; 72(4):409–14
Variations in absorption of theophylline from two sustained-release products. Ferrari M, et al. **Clin Ther** 1986; 8(6):646–54
Ammonia absorption from different parts of chicken intestine and its quantitative evaluation in situ. Karasawa Y, et al. **Comp Biochem Physiol [A]** 1986;84(4):747–50
Role of exchange transport in the absorption of L-tryptophan in the small intestine of chicks. Kushak R, et al. **Comp Biochem Physiol [A]** 1987;87(4):951–7
Studies on the absorption of sodium and chloride from the rumen of sheep. Martens H, et al. **Comp Biochem Physiol [A]** 1987;86(4):653–6
Effect of hypophysectomy on absorption of inorganic phosphate by the eel intestine. Nakamura Y, et al. **Comp Biochem Physiol [A]** 1986;84(4):595–9
Cysteamine-induced duodenal ulcer: effects on calcium absorption across rat duodenum. Nassar CF, et al. **Comp Biochem Physiol [A]** 1987;86(1):103–7
Absorption of electrolytes and water by the jejunum and colon in milk-fed lambs. Scharrer E, et al. **Comp Biochem Physiol [A]** 1987;86(2):251–4
Low-molecular-weight zinc-binding ligand: a regulatory modulator for intestinal zinc transport. Song MK. **Comp Biochem Physiol [A]** 1987;87(2):223–30 (80 ref.)
A revision of current data and views on membrane hydrolysis and transport in the mammalian small intestine based on a comparison of techniques of chronic and acute experiments: experimental re-investigation and critical review. Ugolev AM, et al. **Comp Biochem Physiol [A]** 1986; 85(4):593–612 (124 ref.)
Effects of plasma aldosterone on butyrate absorption and metabolism in the rabbit proximal colon. Vernay M. **Comp Biochem Physiol [A]** 1987;86(4):657–62
Age influences on intestinal sugar absorption. Vinardell MP. **Comp Biochem Physiol [A]** 1987;86(4):617–23
Jejunal and cecal 3-oxy-methyl-D-glucose absorption in chicken using a perfusion system in vivo. Vinardell MP, et al. **Comp Biochem Physiol [A]** 1987;86(4):625–7
Absorption of 3-oxy-methyl-D-glucose by chicken cecum and jejunum in vivo. Vinardell MP, et al. **Comp Biochem Physiol [A]** 1986;85(1):171–3
Occurrence, absorption and metabolism of short chain fatty acids in the digestive tract of mammals. Bugaut M. **Comp Biochem Physiol [B]** 1987;86(3):439–72 (672 ref.)
Effect of diabetes and adrenocortical state on intestinal transport capacity and (Na+ + K+)-activated adenosine triphosphatase activity. Luppa D, et al. **Diabete Metab** 1986 Aug;12(4):191–6
Intestinal transport of 5-methyltetrahydrofolate in streptozotocin-induced diabetes mellitus in the rat. Said HM, et al. **Diabetes Res** 1986 Sep;3(7):363–7
Nutritional and metabolic consequences of extensive bowel resection. Andersson H, et al. **Dig Dis** 1986;4(4):193–202 (30 ref.)
Nutritional absorption in short bowel syndrome. Evaluation of fluid, caloric, and divalent cation requirements. Woolf GM, et al. **Dig Dis Sci** 1987 Jan;32(1):8–15
Effect of vagal nerve stimulation on L-leucine absorption in the cat jejunum. el-Kak FH, et al. **Digestion** 1987; 36(2):61–7
Metal absorption and the intestinal mucus layer. Quarterman J. **Digestion** 1987;37(1):1–9
The effect of luminal pH on large intestinal absorption in ulcerative proctocolitis. McNeil NI. **Dis Colon Rectum** 1986 Dec;29(12):814–6
Effect of total colectomy and mucosal proctectomy on intestinal absorptive capacity in dogs. Mibu R, et al. **Dis Colon Rectum** 1987 Jan;30(1):47–51
Effect of low calcium and low phosphorus diets on duodenal and ileal absorption of phosphate in chick. Blahoš J, et al. **Endocrinol Exp (Bratisl)** 1987 Mar;21(1):59–64
Synthesis and absorption of cysteine from the hindgut of the horse. McMeniman NP, et al. **Equine Vet J** 1987 May; 19(3):192–4
D-xylose absorption in the growing foal. Merritt T, et al. **Equine Vet J** 1986 Jul;18(4):298–300
Radionuclide tests for the assessment of intestinal permeability. Behrens RH, et al. **Eur J Clin Invest** 1987 Apr;17(2):100–5
Calcium absorption following small bowel resection in man. Evidence for an adaptive response. Colette C, et al. **Eur J Clin Invest** 1986 Aug;16(4):271–6
Gastrointestinal absorption of aluminium from single doses of aluminium containing antacids in man. Weberg R, et al. **Eur J Clin Invest** 1986 Oct;16(5):428–32
Effect of concomitant food intake on absorption kinetics of fenoldopam (SK&F 82526) in healthy volunteers. Clancy A, et al. **Eur J Clin Pharmacol** 1987;32(1):103–6
Influence of bile salts and lipids on intestinal absorption of griseofulvin in man. Palma R, et al. **Eur J Clin Pharmacol** 1986;31(3):319–25
Fat absorption in preterm infants fed a taurine-enriched formula. Bijleveld CM, et al. **Eur J Pediatr** 1987 Mar; 146(2):128–30
New techniques for studying digestion and absorption of nutrients by ruminants. Owens FN. **Fed Proc** 1987 Feb; 46(2):283–9
Effect of psychological stress on salt and water transport in the human jejunum. Barclay GR, et al. **Gastroenterology** 1987 Jul;93(1):91–7
Mechanism of electroneutral sodium chloride absorption in distal colon of the rat. Binder HJ, et al. **Gastroenterology** 1987 Sep;93(3):449–55
Small intestinal and colonic linked sodium chloride absorption. New understanding of distribution and regulation. Donowitz M. **Gastroenterology** 1987 Sep; 93(3):640–3
Effect of peptide chain length on absorption of egg protein hydrolysates in the normal human jejunum. Grimble GK, et al. **Gastroenterology** 1987 Jan;92(1):136–42
H2 excretion after ingestion of complex carbohydrates. Levitt MD, et al. **Gastroenterology** 1987 Feb;92(2):383–9
Folic acid malabsorption in atrophic gastritis. Possible compensation by bacterial folate synthesis. Russell RM, et al. **Gastroenterology** 1986 Dec;91(6):1476–82
Regulation of iron absorption. Wheby MS. **Gastroenterology** 1966 Jun;50(6):888–92 (24 ref.)
Influence of sham feeding on salt and water absorption in the human jejunum. Barclay GR, et al. **Gut** 1986 Oct; 27(10):1147–50
Human alpha-lactalbumin as a marker of macromolecular absorption. Jakobsson I, et al. **Gut** 1986 Sep;27(9):1029–34
Metabolism and urinary excretion of 5-amino salicylic acid in healthy volunteers when given intravenously or released for absorption at different sites in the gastrointestinal tract. Myers B, et al. **Gut** 1987 Feb;28(2):196–200
The gut is a membrane, is a vesicle, is a gut! [editorial] Phillips S. **Gut** 1987 Jun;28(6):650–2
Absorption capacity of fructose in healthy adults. Comparison with sucrose and its constituent monosaccharides. Rumessen JJ, et al. **Gut** 1986 Oct; 27(10):1161–8
Jejunal water and electrolyte absorption from two proprietary enteral feeds in man: importance of sodium content. Spiller RC, et al. **Gut** 1987 Jun;28(6):681–7
The effect of ingested mass on Pu absorption in the rat. Harrison JD, et al. **Health Phys** 1987 Aug;53(2):187–9
Absorption and biokinetics of U in rats following an oral administration of uranyl nitrate solution. La Touche YD, et al. **Health Phys** 1987 Aug;53(2):147–62
Absorption of an oral glucose load in the dog. Kuyumjian J, et al. **Horm Metab Res** 1986 Sep;18(9):587–9
Treatment of paraquat poisoning in man: methods to prevent absorption. Meredith TJ, et al. **Hum Toxicol** 1987 Jan; 6(1):49–55 (32 ref.)
An open two-compartment model for a double site of drug absorption. Plusquellec Y, et al. **IEEE Trans Biomed Eng** 1987 Jan;34(1):70–3
Small bowel function in mild to moderate protein-energy malnutrition. Mehta S, et al. **Indian Pediatr** 1986 Aug; 23(8):605–10
Plasma penicillin-G parameters in man after intraduodenal or intramuscular administration. Gonciarz Z, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Nov;24(11):622–4
Thyroxine malabsorption following intestinal bypass surgery. Bevan JS, et al. **Int J Obes** 1986;10(3):245–6
The gastrointestinal absorption of organically bound forms of plutonium in fed and fasted hamsters. Harrison JD, et al. **Int J Radiat Biol** 1986 Dec;50(6):1083–91
Reduction of 141Ce absorption in suckling rats. Kostial K, et al. **Int J Radiat Biol** 1987 Jan;51(1):139–45
Physiologic considerations in drug absorption from the gastrointestinal tract. Golub AL, et al. **J Allergy Clin Immunol** 1986 Oct;78(4 Pt 2):689–94 (34 ref.)
Effects of food on the absorption of theophylline in children. Pedersen S. **J Allergy Clin Immunol** 1986 Oct;78(4 Pt 2):704–9
Absorption of Theo-Dur Sprinkle with food: importance of types of meals and medication times. Pedersen S. **J Allergy Clin Immunol** 1986 Oct;78(4 Pt 1):653–60
Erratic absorption of theophylline from slow-release products in children. Szefler SJ. **J Allergy Clin Immunol** 1986 Oct;78(4 Pt 2):710–5 (26 ref.)
Allergen absorption in the intestine: implication for food allergy in infants. Walker WA. **J Allergy Clin Immunol** 1986 Nov;78(5 Pt 2):1003–9 (59 ref.)
Influence of meal frequency on postprandial variations in the production and absorption of volatile fatty acids in the digestive tract of conscious pigs. Rérat A, et al. **J Anim Sci** 1987 Feb;64(2):448–56
A method for chronically quantifying net absorption of nutrients and gut metabolites into hepatic portal vein in conscious swine. Yen JT, et al. **J Anim Sci** 1987 Mar; 64(3):923–34
Evidence for a carrier-mediated transport system in the small intestine available for FK089, a new cephalosporin antibiotic without an amino group. Tsuji A, et al. **J Antibiot (Tokyo)** 1986 Nov;39(11):1592–7
Preparation of 1-acyloxyethyl esters of 7-[2-(2-aminothiazol-4-yl)acetamido]-3-[[[1-(2-dimethylaminoe thy l)-1H-tetrazol-5-yl]thio]-methyl]ceph-3-em-4-carboxylic acid (cefotiam) and their oral absorption in mice. Yoshimura Y, et al. **J Antibiot (Tokyo)** 1986 Sep; 39(9):1329–42
Local control of jejunal absorption by the renin-angiotensin system. Levens NR. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S17–22
Distribution and content of microtubules in relation to the transport of lipid. An ultrastructural quantitative study of the absorptive cell of the small intestine. Reaven EP, et al. **J Cell Biol** 1977 Nov;75(2 Pt 1):559–72
Gas chromatographic evaluation of hydrogen in the breath as a diagnostic method for the study of intestinal digestion and absorption of dietary carbohydrates in man. Castello G, et al. **J Chromatogr** 1987 Apr 24;416(1):119–24
Transepithelial transport of epidermal growth factor by absorptive cells of suckling rat ileum. Gonnella PA, et al. **J Clin Invest** 1987 Jul;80(1):22–32
Intestinal cholesterol absorption efficiency in man is related to apoprotein E phenotype. Kesäniemi YA, et al. **J Clin Invest** 1987 Aug;80(2):578–81
Abnormal intestinal permeability and jejunal morphometry. Juby LD, et al. **J Clin Pathol** 1987 Jul;40(7):714–8
Gastric and intestinal absorption of oxprenolol in humans. Vidon N, et al. **J Clin Pharmacol** 1986 Nov–Dec; 26(8):611–5
Studies on the putative role of gamma-glutamyl transpeptidase in intestinal transport of amino acids in Atlantic salmon. Bell JG, et al. **J Comp Physiol [B]** 1987; 157(2):161–9
Absorption and excretion of dilute gastrografin during computed tomography in pseudomembranous colitis. Marinelli DL, et al. **J Comput Tomogr** 1987 Jul;11(3):236–8
Net absorption of glucose, L-lactate, volatile fatty acids, and nitrogenous compounds by bovine given abomasal infusions of starch or glucose. Huntington GB, et al. **J Dairy Sci** 1986 Sep;69(9):2428–36
Transport of L-amino acids by brush border membrane vesicles from bovine small intestine. Moe AJ, et al. **J Dairy Sci** 1987 Feb;70(2):290–7
Water absorption in rat jejunal loops in only transiently stimulated by ORS. Kheroua O, et al. **J Diarrhoeal Dis Res** 1986 Sep;4(3):149–52
Hyperglucagonaemia: effects on active nutrient uptake by the rat jejunum. Thompson CS, et al. **J Endocrinol** 1986 Oct;111(1):37–42
Atypical cobalamin deficiency. Subtle biochemical evidence of deficiency is commonly demonstrable in patients without megaloblastic anemia and is often associated with protein-bound cobalamin malabsorption. Carmel R, et al. **J Lab Clin Med** 1987 Apr;109(4):454–63
Absorption of carbonyl iron. Huebers HA, et al. **J Lab Clin Med** 1986 Nov;108(5):473–8
Normal cholesterol absorption in rats deficient in intestinal acyl coenzyme A:cholesterol acyltransferase activity. Gallo LL, et al. **J Lipid Res** 1987 Apr;28(4):381–7
Amino acid absorption and endogenous amino acids in the lower ileum and excreta of chicks. Bielorai R, et al. **J Nutr** 1987 Aug;117(8):1359–62
Intestinal calcium absorption: mechanisms and applications. Bronner F. **J Nutr** 1987 Aug;117(8):1347–52 (51 ref.)
Effect of marginal zinc deficiency on the lymphatic absorption of [14C]cholesterol. Koo SI, et al. **J Nutr** 1986 Dec;116(12):2363–71
Computer simulation of iron absorption: regulation of mucosal and systemic iron kinetics in dogs. Nathanson MH, et al. **J Nutr** 1987 Jun;117(6):1067–75
Comparative studies of selenium-75 (selenite and selenomethionine) absorption from various milk diets in suckling rats. Raghib MH, et al. **J Nutr** 1986 Aug; 116(8):1456–63
Apparent small intestinal absorption of nitrogen and minerals from soy and meat-protein-based diets. A study on human ileostomy subjects. Sandström B, et al. **J Nutr** 1986 Nov; 116(11):2209–18
Intestinal permeability to 51Cr-EDTA and 125I-egg albumin in gerbils infected with Trichostrongylus colubriformis. Sinski E, et al. **J Parasitol** 1987 Apr;73(2):423–4
Calcium absorption during development: experimental studies of the rat small intestine. Toverud SU, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep–Oct;5(5):688–95 (28 ref.)
The effect of pH and concentration on alpha-methyldopa absorption in man. Merfeld AE, et al. **J Pharm Pharmacol** 1986 Nov;38(11):815–22
A highly sensitive HPLC method for the assay of propantheline used to measure its uptake by rat intestinal brush border membrane vesicles. Saitoh H, et al. **J Pharm Pharmacol** 1987 Jan;39(1):9–12
Noncompartmental determination of the absorption rate

constant [published erratum appears in J Pharm Sci 1986 Dec;75(12):1208] Batra VK, et al. **J Pharm Sci** 1986 Oct; 75(10):1014–6

Application of moment analysis in assessing rates of absorption for bioequivalency studies. Jackson AJ, et al. **J Pharm Sci** 1987 Jan;76(1):6–9

Pharmacokinetic analysis of concentration data of drugs with irregular absorption profiles using multi–fraction absorption models. Murata K, et al. **J Pharm Sci** 1987 Feb;76(2):109–13

Evaluation of a chronically isolated internal loop in the rat for the study of drug absorption kinetics. Poelma FG, et al. **J Pharm Sci** 1987 Jun;76(6):433–6

Intestinal absorption of 5–fluorouracil and its alkylcarbamoyl derivatives in the rat small intestine. Sasaki H, et al. **J Pharm Sci** 1986 Jul;75(7):676–9

Complete rectal absorption of theophylline in rats without absorption enhancer. van Hoogdalem EJ, et al. **J Pharm Sci** 1986 Sep;75(9):917–8

Evaluation of drug absorption and presystemic metabolism using an in situ intestinal preparation. Yorgey KA, et al. **J Pharm Sci** 1986 Sep;75(9):869–72

Accelerated clearance of intravenously administered theophylline and phenobarbital by oral doses of activated charcoal in rats. A possibility of the intestinal dialysis. Arimori K, et al. **J Pharmacobiodyn** 1986 May;9(5):437–41

Uptake of 450191–S, a 1H–1,2,4–triazolyl benzophenone derivative, in the everted sac of rat small intestine: role of intestinal aminopeptidases. Koike M, et al. **J Pharmacobiodyn** 1986 Jun;9(6):513–6

Effect of food on absorption of 450191–S, a 1H–1,2,4–triazolyl benzophenone derivative from rat small intestine. Koike M, et al. **J Pharmacobiodyn** 1986 May; 9(5):447–52

Gastrointestinal absorption of sulfaguanidine in neonatal and adult rats. Mizuno N, et al. **J Pharmacobiodyn** 1986 Oct; 9(10):787–92

Intestinal absorption of tetramethylammonium and its derivatives in rats. Tsubaki H, et al. **J Pharmacobiodyn** 1986 Sep;9(9):747–54

Pharmaceutical evaluation of hollow type suppositories. V. Preparation of valproic acid suppository and rectal absorption of valproic acid in rabbits. Watanabe Y, et al. **J Pharmacobiodyn** 1986 Dec;9(12):953–61

Studies on the reliability of a bihyperbolic functional absorption model. I. Ring–substituted anilines. Martin–Villodre A, et al. **J Pharmacokinet Biopharm** 1986 Dec;14(6):615–33

Studies on the mechanism of absorption and distribution of 2,3,7,8–tetrachlorodibenzo–p–dioxin in the rat. Lakshmanan MR, et al. **J Pharmacol Exp Ther** 1986 Dec; 239(3):673–7

Intestinal absorption of alpha–methyldopa: in vitro mechanistic studies in rat small intestinal segments. Osiecka I, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):443–9

Intestinal absorption of aluminium from antacids: a comparison between hydrotalcite and algeldrate. van der Voet GB, et al. **J Toxicol Clin Toxicol** 1986–87;24(6):545–53

Does oral rehydration therapy alter food consumption and absorption of nutrients in children with cholera? Molla AM, et al. **J Trop Med Hyg** 1986 Jun;89(3):113–7

Fatal poisoning from sodium phosphate enema. Case report and experimental study. Martin RR, et al. **JAMA** 1987 Apr 24;257(16):2190–2

Effect of enteral formula infusion rate, osmolality, and chemical composition upon clinical tolerance and carbohydrate absorption in normal subjects. Zarling EJ, et al. **JPEN J Parenter Enteral Nutr** 1986 Nov–Dec; 10(6):588–90

The absorption of dietary phosphorus and calcium in hemodialysis patients. Ramirez JA, et al. **Kidney Int** 1986 Nov;30(5):753–9

Delaying carbohydrate absorption in noninsulin–dependent diabetes mellitus: useful therapy? Füessl HS. **Klin Wochenschr** 1987 May 4;65(9):395–9

Malabsorption of cyclosporin in renal transplant recipient with Crohn's disease [letter] Williams JD, et al. **Lancet** 1987 Apr 18;1(8538):914–5

Intestinal absorption and fecal excretion of 5,6 alpha–epoxy–5 alpha–cholesta–3 beta–ol by the male Wistar rat. Bascoul J, et al. **Lipids** 1986 Dec;21(12):744–7

Intestinal absorption of ester and ether glycerophospholipids in guinea pig. Role of a phospholipase A2 from brush border membrane. Diagne A, et al. **Lipids** 1987 Jan; 22(1):33–40

Role of the lymphatic system in the transport of absorbed 7,12–dimethylbenzanthracene in the rat. Laher JM, et al. **Lipids** 1987 Mar;22(3):152–5

Fate of 7,12–dimethylbenz(a)anthracene absorbed from the rat intestine and transported in chylomicrons. Lindstrom MB, et al. **Lipids** 1987 Apr;22(4):278–81

Changes in intestinal glucose transport over the lifespan of the rat. Doubek WG, et al. **Mech Ageing Dev** 1987 Jun; 39(1):91–102

Hypercalciuria and altered intestinal calcium absorption occurring independently of vitamin D in incomplete distal renal tubular acidosis. Preminger GM, et al. **Metabolism** 1987 Feb;36(2):176–9

The influence of progressive hyperinsulinemia on duodenal calcium absorption in the rat. Rümenapf G, et al. **Metabolism** 1987 Jan;36(1):60–5

Kinetics of piretanide absorption from the gastrointestinal tract. Brockmeier D, et al. **Methods Find Exp Clin Pharmacol** 1986 Dec;8(12):731–9

Persorption of particles. Volkheimer G. **Mykosen [Suppl]** 1978:1:68–71

Gastrointestinal absorption of calcium from milk and calcium salts. Sheikh MS, et al. **N Engl J Med** 1987 Aug 27; 317(9):532–6

Influence of dietary fiber and intraluminal pressure on absorption and pre–epithelial diffusion resistance (unstirred layer) in rat jejunum in situ. Holzheimer G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):514–24

Relationship between antipyrine absorption and blood flow rate in rat jejunum, ileum, and colon. Schulz R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jan; 335(1):97–102

Closed rat jejunal segment in situ: role of pre–epithelial diffusion resistance (unstirred layer) in the absorption process and model analysis. Winne D, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Feb; 335(2):204–15

The effect of diets high in fat and/or fiber on colonic absorption of DMH in the rat. Schuette SA, et al. **Nutr Cancer** 1986;8(4):257–65

Absorption of soy protein and minerals in ileostomy patients. **Nutr Rev** 1987 Jun;45(6):166–7 (5 ref.)

Relationship between absorption of cholesterol and serum plant sterols. **Nutr Rev** 1987 Jun;45(6):174–5 (4 ref.)

Fatty acid absorption by preterm infants. **Nutr Rev** 1987 Jul; 45(7):199–200 (6 ref.)

The impact of development of the gut on infant nutrition. Lebenthal E, et al. **Pediatr Ann** 1987 Mar;16(3):211, 215–6, 218 passim

Intestinal glucose transport in suckling rats fed artificial milk with and without added epidermal growth factor. Greene HL, et al. **Pediatr Res** 1987 Apr;21(4):404–8

Intestinal absorption of macromolecules during viral enteritis: an experimental study on rotavirus–infected conventional and germ–free mice. Heyman M, et al. **Pediatr Res** 1987 Jul;22(1):72–8

Effects of semistarvation on transintestinal D–glucose transport and D–glucose uptake in brush border and basolateral membranes of rat enterocytes. Marciani P, et al. **Pflugers Arch** 1987 Mar;408(3):220–3

Gastrointestinal transit rate–related absorption of emepronium: a study in mice. Hallén B, et al. **Pharmacol Toxicol** 1987 Mar;60(3):199–205

Methods for estimating drug bioavailability parameters. Part 2: Methods for estimating absorption rate. Firsov AA, et al. **Pharmazie** 1986 Jun;41(6):369–77

Paediatric gastroenterology: lessons of inborn errors. Milla PJ. **Postgrad Med J** 1986 Feb;62(724):101–5 (21 ref.)

Absorption, transport, and deposition in chickens of lutein diester, a carotenoid extracted from marigold (Tagetes erecta) petals. Tyczkowski JK, et al. **Poult Sci** 1986 Aug; 65(8):1526–31

Adaptive regulation of intestinal nutrient transporters. Diamond JM, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2242–5

Effects of ovariectomy on duodenal calcium transport in the rat: altered ability to adapt to low–calcium diet. Thomas ML, et al. **Proc Soc Exp Biol Med** 1987 May;185(1):84–8

Partitioning of polar fatty acids into lymph and portal vein after intestinal absorption in the rat. McDonald GB, et al. **Q J Exp Physiol** 1987 Apr;72(2):153–9

Influence of aerobic energy deficit, ouabain and harmaline on the phenylalanine and galactose active transport by snail intestine. Barber A, et al. **Rev Esp Fisiol** 1986 Dec; 42(4):517–23

Small bowel permeability in patients with nasal polyposis. Maran AG, et al. **Rhinology** 1986 Sep;24(3):195–8

The role of fat and bile acid malabsorption in diarrhoea of coeliac disease. Vuoristo M, et al. **Scand J Gastroenterol** 1987 Apr;22(3):289–94

Comments on the paper "Transfer of environmental plutonium and americium across the human gut" [letter] Harrison JD, et al. **Sci Total Environ** 1987 Jul;64(3):325–32

Intestinal absorption studies in Fasciolopsis buski infection. Jaroonvesama N, et al. **Southeast Asian J Trop Med Public Health** 1986 Dec; 17(4):582–6

In vivo glucose absorption by neomucosa. Thompson JS, et al. **Surgery** 1987 Mar;101(3):297–303

Effect of dose on the absorption and excretion of [14C]benzene administered orally or by inhalation in rats and mice. Sabourin PJ, et al. **Toxicol Appl Pharmacol** 1987 Feb;87(2):325–36

The influence of aging on intestinal absorption of TCDD in rats. Hébert CD, et al. **Toxicol Lett** 1987 Jun;37(1):47–55

Absorption of cyclosporine A after oral dosing. Grevel J. **Transplant Proc** 1986 Dec;18(6 Suppl 5):9–15

Studies on the absorption of homologous and heterologous IgG in artificially reared newborn pigs. Frenyo VL. **Vet Res Commun** 1987;11(1):23–30

Xylose absorption in adult sheep and associated kinetics. Ergene N, et al. **Zentralbl Veterinarmed [A]** 1986 Sep; 33(7):556–60

[Influence of purified cellulose level in the diet of pigs on intestinal absorption of volatile fatty acids] Giusi A, et al. **C R Acad Sci [III]** 1987;304(9):213–6 (Eng. Abstr.) **(Fre)**

[Implantation of a permanent flexible permanent cannula duodenal in the rabbit, application to the study of drug resorption] Bourin M, et al. **J Pharmacol** 1986 Oct–Dec; 17(4):720–5 **(Fre)**

[Identification of malabsorption syndromes by measurement of intestinal permeability. Its application to celiac disease in children (letter)] Dupont C, et al. **Presse Med** 1987 May 2;16(16):778 **(Fre)**

[Role of the autonomous nervous system in the regulation of the transit, absorption and storage of nutriments] Mei N. **Reprod Nutr Dev** 1986;26(5B):1151–62 (Eng. Abstr.) **(Fre)**

[Influence of caecotrophy (coprophagia) on the production, absorption and utilization of organic acids in the rabbit] Vernay M. **Reprod Nutr Dev** 1986;26(5A):1137–49 (Eng. Abstr.) **(Fre)**

[Intestinal permeability and recurrent dyspneic bronchitis in children] Hoyoux C, et al. **Rev Med Liege** 1987 May 1; 42(9):362–5 **(Fre)**

[Double–blind comparative study of digestive absorption of calcium ingested in 2 different anionic forms] Marchandise X, et al. **Rev Rhum Mal Osteoartic** 1987 May;54(5):407–11 **(Fre)**

[Influence of spiced and tart food on the absorption of theophylline] Bouraoui A, et al. **Therapie** 1986 Nov–Dec; 41(6):467–71 (Eng. Abstr.) **(Fre)**

[Intestinal absorption of barium during radiological studies] Clavel JP, et al. **Therapie** 1987 Mar–Apr;42(2):239–43 (Eng. Abstr.) **(Fre)**

[Pharmacokinetics of nourseothricin in laboratory animals] Hoffmann H, et al. **Arch Exp Veterinarmed** 1986 Sep; 40(5):699–709 (Eng. Abstr.) **(Ger)**

[Nutrition physiologic studies of swine with ileorectal anastomoses. 1. Surgical method, biochemical and morphologic findings] Hennig U, et al. **Arch Tierernahr** 1986 Jul;36(7):585–96 (Eng. Abstr.) **(Ger)**

[Methodologic studies of ileal flow measurement using large lumen intestinal cannulae in swine] Kesting U, et al. **Arch Tierernahr** 1986 Sep;36(9):793–802 (Eng. Abstr.) **(Ger)**

[Nitrogen metabolism in the large intestine of ruminants. 2. Metabolism of i.v. infused 15N–urea by additional supply of fermentable material to the large intestine of bulls] Sommer A, et al. **Arch Tierernahr** 1986 Jul;36(7):639–51 (Eng. Abstr.) **(Ger)**

[Measuring absorption in the dog model: determination of portal vein assimilation of enterally administered substrates] Heberer M. **Beitr Infusionther Klin Ernahr** 1986;16:133–47 **(Ger)**

[A method for measuring oxalic acid absorption] Müller G, et al. **Dtsch Z Verdau Stoffwechselkr** 1986;46(6):333–5 (Eng. Abstr.) **(Ger)**

[Lipid absorption from Ki–Na, Milasan and Manasan] Heine W, et al. **Kinderarztl Prax** 1986 Jul;54(7):401–5 (Eng. Abstr.) **(Ger)**

[Absorption of theophylline from Bronchoparat in relation to preceding food intake] Briese D, et al. **Prax Klin Pneumol** 1987 Feb;41(2):37–42 (Eng. Abstr.) **(Ger)**

[Dietary protein and resorption of minerals and trace elements, especially iron] Hallberg L. **Verh Dtsch Ges Inn Med** 1986;92:743–9 **(Ger)**

[Mechanisms of intestinal absorption of nutrients] Daniel H. **Z Ernahrungswiss** 1986 Dec;25(4):209–19 (Eng. Abstr.) **(Ger)**

[Resorption and hormonal reaction in the perioperative phase following enteral administration of glucose] Butters M, et al. **Z Gastroenterol** 1986 Dec;24(12):732–7 (Eng. Abstr.) **(Ger)**

[Principles of particle resorption in the gastrointestinal tract] Sass W, et al. **Z Gastroenterol** 1987 Jun;25(6):306–15 (Eng. Abstr.) **(Ger)**

[Changed intraluminal conditions in hemochromatosis] Mucke W, et al. **Z Gesamte Inn Med** 1986 Aug 15; 41(16):441–6 (Eng. Abstr.) **(Ger)**

[Nutritional status and small intestine absorption] Weiner R, et al. **Z Gesamte Inn Med** 1986 Dec 1;41(23):657–9 (Eng. Abstr.) **(Ger)**

[Inhibition of flecainide resorption by activated charcoal] Nitsch J, et al. **Z Kardiol** 1987 May;76(5):289–91 (Eng. Abstr.) **(Ger)**

[Study of the absorption of a new peripheral vasodilator compound (CH–141) by in vitro and in vivo methods. 2. Pharmacokinetic study of the compound] Szemere L, et al. **Acta Pharm Hung** 1987 Mar;57(1–2):27–33 (Eng. Abstr.) **(Hun)**

[Ferritin and ammonium–ferric citrate. Considerations on absorption modality and therapeutic effectiveness] Finelli C, et al. **G Clin Med** 1986 Jun;67(3):145–9 (Eng. Abstr.) **(Ita)**

[Absorption of proteins, carbohydrates and fats in the preterm neonate] De Curtis M, et al. **Pediatr Med Chir** 1986 Jul–Aug;8(4):437–42 (Eng. Abstr.) **(Ita)**

[Abnormal calcium metabolism in myotonic dystrophy: increased level of serum 1,25(OH)2D concentration and augmented intestinal calcium absorption] Oshima H, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Oct 20;62(10):1203–11 (Eng. Abstr.) **(Jpn)**

[Absorption of D–glucose by the small intestine of the human fetus (using brush border membrane vesicles of the jejunum)] Iioka H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Mar; 39(3):347–51 (Eng. Abstr.) **(Jpn)**

[Absorption of L–alanine in small intestine of human fetus

(by using brush border membrane vesicles of jejunum)] Iioka H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul;39(7):1042–6 (Eng. Abstr.) **(Jpn)**

[A study of the intestinal 47Ca absorption test employing a scintillation camera] Torizumi K, et al. **Radioisotopes** 1987 May;36(5):227–31 (Eng. Abstr.) **(Jpn)**

[Circadian changes in small intestine absorption in patients after various types of gastrectomy. II. Absorption of xylose and iron] Boldys H. **Pol Arch Med Wewn** 1986 Apr; 75(4):240–7 (Eng. Abstr.) **(Pol)**

[Circadian changes in small intestine absorption in patients after various types of gastrectomy. I. Absorption of vitamin B 12] Boldys H. **Pol Arch Med Wewn** 1986 Apr;75(4):233–9 (Eng. Abstr.) **(Pol)**

[Methods of studying the intestinal absorption of calcium and phosphates in humans] Marcinowska-Suchowierska E. **Pol Arch Med Wewn** 1986 Jul;76(1):44–7 **(Pol)**

[Calcium absorption in the digestive tract and calcium and phosphorus metabolism in postoperative hypoparathyroidism] Sawicki A. **Pol Arch Med Wewn** 1986 Jun;75(6):417–23 (Eng. Abstr.) **(Pol)**

[Effect of enterosorption on hepatic and pancreatic functions and coupled metabolism in young rabbits with experimental hepatocholecystitis] Luk'ianova EM, et al. **Fiziol Zh** 1987 Mar–Apr;33(2):25–9 (Eng. Abstr.) **(Rus)**

[Role of calcium in monosaccharide transport in the small intestine of the rat] Surman VV, et al. **Fiziol Zh** 1986 Sep–Oct;32(5):545–9 (Eng. Abstr.) **(Rus)**

[Effect of preliminary enzymatic hydrolysis of enterically introduced mixtures of natural food products on the absorption of their nitrogenous component] Kostiuchenko LN. **Fiziol Zh SSSR** 1987 Mar;73(3):430–3 **(Rus)**

[Features of the digestion and absorption of the protein of natural products after preliminary enzymatic hydrolysis] Kostiuchenko LN. **Fiziol Zh SSSR** 1986 Aug;72(8):1131–7 (Eng. Abstr.) **(Rus)**

[Features of the hydrolysis and transport of nutrients in the proximal and distal portions of the jejunum] Liashchenko IuN. **Fiziol Zh SSSR** 1986 Nov;72(11):1559–63 (Eng. Abstr.) **(Rus)**

[Status of intestinal absorption in nonspecific ulcerative colitis] Agzamkhodzhaev SM, et al. **Khirurgiia (Mosk)** 1987 May;(5):65–8 (Eng. Abstr.) **(Rus)**

[Absorptive function of the small intestine in chronic opistorchiasis] Beloborodova EI, et al. **Klin Med (Mosk)** 1986 Nov;64(11):95–7 (Eng. Abstr.) **(Rus)**

[Canalicular system of enterocytes at rest and its changes during lipid absorption] Mosevich TN, et al. **Tsitologiia** 1987 Jan;29(1):22–7 (Eng. Abstr.) **(Rus)**

[Absorption of nutrients as a key step of assimilation] Morozov IA. **Vestn Akad Med Nauk SSSR** 1986;(12):3–10 (Eng. Abstr.) **(Rus)**

[The perfusion method of studying intestinal digestion and absorption in the small intestine] Parfenov AI. **Voen Med Zh** 1987 Apr;(4):26–8 **(Rus)**

[Absorption and the immune response to ovalbumin administered by various methods in the dogs] Poriadkov LF, et al. **Vopr Pitan** 1986 Nov–Dec;(6):37–40 (Eng. Abstr.) **(Rus)**

[Calcium absorption in the small intestine in rats during hypokinesia] Sergeev IN, et al. **Vopr Pitan** 1986 Jul–Aug; (4):50–4 (Eng. Abstr.) **(Rus)**

[Functional status of the pancreas and small intestine in cholelithiasis patients] Krivitskiĭ DI, et al. **Vrach Delo** 1987 Jan;(1):21–3 (Eng. Abstr.) **(Rus)**

[Intestinal absorption of vitamin A and D-xylose in asymptomatic school children infected by Ascaris lumbricoides] Krause S, et al. **Bol Chil Parasitol** 1986 Jul–Dec;41(3–4):62–7 (Eng. Abstr.) **(Spa)**

[Oligosaccharides and glycine in a new formulation for oral hydration. Experimental evaluation of absorption of water and sodium] Sepúlveda-Hincapié ME, et al. **Bol Med Hosp Infant Mex** 1986 Dec;43(12):755–60 (Eng. Abstr.) **(Spa)**

[Decrease of the coefficient of intestinal calcium absorption with normal blood levels of 1,25-dihydroxyvitamin D and decreasing levels of 24,25-dihydroxyvitamin D in Paget's disease of bone] Traba ML, et al. **Rev Clin Esp** 1986 Nov; 179(8):401–3 (Eng. Abstr.) **(Spa)**

[Disorders of intestinal function in alcoholic subjects] Arias Vallejo E. **Rev Esp Enferm Apar Dig** 1987 Jan;71(1):53–4 **(Spa)**

DRUG EFFECTS

Intestinal phosphate and calcium absorption: joint regulation by thyroid hormones and 1,25-dihydroxyvitamin D3. Cross HS, et al. **Acta Endocrinol (Copenh)** 1986 Sep;113(1):96–103

The effect of cyclophosphamide and vincristine on glucose absorption in rats using in vivo perfusion experiments. Beró T. **Acta Med Hung** 1986;43(4):369–72

Effect of dietary phosphate on intestinal calcium and phosphate absorption. Cañas F, et al. **Acta Physiol Lat Am** 1980;30(4):245–52

Changes in cyclic 3'5'-adenosine monophosphate tissue concentration and net fluid transport in the cat's small intestine elicited by cholera toxin, arachidonic acid, vasoactive intestinal polypeptide and 5-hydroxytryptamine. Eklund S, et al. **Acta Physiol Scand** 1987 Jan;129(1):115–25

Influence of sodium deoxycholate on morphology, net fluid transport and motility in the small intestine of the rat. Karlström L, et al. **Acta Physiol Scand** 1987 Jun; 130(2):273–83

Intestinal absorption of phosphate in man: effect of drugs. Gennari C, et al. **Adv Exp Med Biol** 1986;208:213–22 (24 ref.)

The effect of chronic ethanol consumption on iron absorption in rats. Mazzanti R, et al. **Alcohol Alcohol** 1987;22(1):47–52

Phytates and the inhibitory effect of bran on iron absorption in man. Hallberg L, et al. **Am J Clin Nutr** 1987 May; 45(5):988–96

The cadmium effect on iron absorption. Huebers HA, et al. **Am J Clin Nutr** 1987 May;45(5):1007–12

Are iron–folate supplements harmful? Simmer K, et al. **Am J Clin Nutr** 1987 Jan;45(1):122–5

Competitive inhibition of folate absorption by dihydrofolate reductase inhibitors, trimethoprim and pyrimethamine. Zimmerman J, et al. **Am J Clin Nutr** 1987 Sep;46(3):518–22

Impairment of starch absorption by a potent amylase inhibitor. Brugge WR, et al. **Am J Gastroenterol** 1987 Aug; 82(8):718–22

Neurotensin stimulates [3H]oleic acid translocation across rat small intestine. Armstrong MJ, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):G823–9

Dietary potassium modulates active potassium absorption and secretion in rat distal colon. Foster ES, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):G619–26

Response of isolated rat jejunum to angiotensin peptides. Levens NR. **Am J Physiol** 1986 Oct;251(4 Pt 1):G559–66

A high linoleic acid diet diminishes enhanced intestinal uptake of sugars in diabetic rats. Thomson AB, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):G262–71

Absorption inhibition and enhancement of elimination of sustained-release theophylline tablets by oral activated charcoal [published erratum appears in Ann Emerg Med 1987 Jan;16(1):54] Lim DT, et al. **Ann Emerg Med** 1986 Nov;15(11):1303–7

Delayed absorption following enteric-coated aspirin overdose. Wortzman DJ, et al. **Ann Emerg Med** 1987 Apr; 16(4):434–6

The effects of polyoxyethylated cholesterol feeding on hepatic cholesterol synthesis and intestinal cholesterol absorption in rats. Amorosa LF, et al. **Atherosclerosis** 1987 Apr;64(2–3):117–23

The effect of glucocorticoids and prematurity on absorption of colostral immunoglobulin in the calf. Johnston NE, et al. **Aust Vet J** 1986 Jun;63(6):191–2

Inhibitors of sterol synthesis. Dietary administration of 5 alpha-cholest-8(14)-en-3 beta-ol-15-one inhibits the intestinal absorption of cholesterol in lymph-cannulated rats. Schroepfer GJ Jr, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1003–8

Intestinal first-pass metabolism of phenacetin, acetaminophen, ethenzamide and salicylamide in rabbits pretreated with 3,4-benzo[a]pyrene. Nakamura J, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):1171–4

Inhibition of the intestinal transport of uracil by hexoses and amino acids. Katgely BW, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):429–34

Impaired formylation and uptake of tetrahydrofolate by rat small gut following cobalamin inactivation. Perry J, et al. **Biochim Biophys Acta** 1987 Feb 20;923(2):286–90

Permeability properties of isolated enterocytes from rat small intestine. Velasco G, et al. **Biochim Biophys Acta** 1986 Dec 19;889(3):361–5

Intestinal calcium absorption in the rat after oral Tween 80 administration. Fauran-Clavel MJ, et al. **Biomed Pharmacother** 1986;40(6):221–5

Pharmacokinetics of oral 500-mg penicillamine: effect of antacids on absorption. Ifan A, et al. **Biopharm Drug Dispos** 1986 Jul–Aug;7(4):401–5

Vitamin-A-dependent zinc-binding protein and intestinal absorption of Zn in chicks. Berzin NI, et al. **Br J Nutr** 1987 Mar;57(2):255–68

The effect of prolonged dietary supplementation with guar gum on subsequent iron absorption and retention in rats. Swindell TE, et al. **Br J Nutr** 1987 Mar;57(2):245–53

Increased intestinal permeability in patients with rheumatoid arthritis: a side-effect of oral nonsteroidal anti-inflammatory drug therapy? Jenkins RT, et al. **Br J Rheumatol** 1987 Apr;26(2):103–7

Influence of intoxication with vanadium compounds on the intestinal absorption of calcium in the rat. Witkowska D, et al. **Bull Environ Contam Toxicol** 1986 Dec;37(6):899–906

Diabetes and intestinal cholesterol uptake from bile salt solutions. Thomson AB. **Can J Physiol Pharmacol** 1987 May;65(5):856–60

The effect of dietary amino acids on the gastrointestinal absorption of melphalan and chlorambucil. Adair CG, et al. **Cancer Chemother Pharmacol** 1987;19(4):343–6

Kinetics of ATP-dependent Ca2+ uptake by permeabilized rat enterocytes. Effects of inositol 1,4,5-trisphosphate. van Corven EJ, et al. **Cell Calcium** 1987 Jun;8(3):197–206

Adsorption and prevention of gastrointestinal absorption of nalidixic acid by activated carbon beads. Honda Y, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4385–8

Intestinal absorption of a beta-adrenergic blocking agents nadolol. II. Mechanism of the inhibitory effect on the intestinal absorption of nadolol by sodium cholate in rats. Yamaguchi T, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep; 34(9):3836–43

Effect of storage on the ability of lipid–surfactant mixed micelles to promote enteral absorption of bleomycin in rats. Yoshikawa H, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct; 34(10):4382–4

The influence of oral alkali citrate on intestinal calcium absorption in healthy man. Rümenapf G, et al. **Clin Sci** 1987 Jul;73(1):117–21

Differential effects of two bile salts on ion transport characteristics of teleost intestine. Mooney SM, et al. **Comp Biochem Physiol [A]** 1987;86(2):367–72

Effect of somatostatin on D-galactose transport across the small intestine of rats. Sorribas V, et al. **Comp Biochem Physiol [A]** 1987;86(1):63–6

Pharmacological modification of digestion and absorption. Hillebrand I. **Diabetic Med** 1987 Mar–Apr;4(2):147–50

Aging-associated increase in intestinal permeability to polyethylene glycol 900. Katz D, et al. **Dig Dis Sci** 1987 Mar;32(3):285–8

Effect of lithium ingestion on digestive and absorptive function of rat intestine. Dhawan D, et al. **Digestion** 1987; 36(2):84–90

Effect of secretin and caerulein on the absorption of water, electrolytes and glucose from the jejunum of dogs. Hirose S, et al. **Digestion** 1986;35(4):205–10

Calcium and magnesium transport and influence of 1,25-dihydroxyvitamin D3. In vivo perfusion study at the colon of the rat. Karbach U, et al. **Digestion** 1987; 37(1):35–42

Cadmium–manganese interaction in the rat's duodenum. Gruden N. **Environ Res** 1987 Jun;43(1):19–23

Direct effects of calcium channel blockers on duodenal calcium transport in vivo. Fox J, et al. **Eur J Pharmacol** 1986 Sep 23;129(1–2):159–64

Low-dose infusion of somatostatin in man—no effect upon intestinal calcium absorption but a fall in blood insulin. Rümenapf G, et al. **Exp Clin Endocrinol** 1986 Aug; 87(3):306–12

Effects of Ca2+, theophylline and promethazine on protein phosphorylation in intact cells of rabbit ileum. Correlation with active Na and Cl absorption. Sharp GW, et al. **FEBS Lett** 1987 Sep 14;221(2):309–14

Role of aldosterone in the regulation of sodium and chloride transport in the distal colon of sodium-depleted rats. Halevy J, et al. **Gastroenterology** 1986 Nov;91(5):1227–33

Acute effects of dexamethasone on cation transport in colonic epithelium. Sandle GI, et al. **Gut** 1987 Jun;28(6):701–6

Regulation of the absorption of dietary carbohydrate in man by two new glycosidase inhibitors. Taylor RH, et al. **Gut** 1986 Dec;27(12):1471–8

Effect of long term lactulose ingestion on secondary bile salt metabolism in man: potential protective effect of lactulose in colonic carcinogenesis. van Berge Henegouwen GP, et al. **Gut** 1987 Jun;28(6):675–80

Effects of dietary K on the absorption and excretion of radiocesium in the rat. Behne D, et al. **Health Phys** 1987 Sep;53(3):331–2

Calcium absorption in corticoid treated subjects effects of a single oral dose of calcitriol. Colette C, et al. **Horm Metab Res** 1987 Jul;19(7):335–8

Interaction of phlorizin and phloretin with glucose transport system of the pigeon intestine. Patil SD, et al. **Indian J Biochem Biophys** 1986 Aug;23(4):208–11

Effect of norethisterone enanthate on intestinal digestive and absorptive functions in protein deficient rat. Nagpaul JP, et al. **Indian J Gastroenterol** 1987 Jan;6(1):39–41

Effect of wheat bran on bowel function and fecal calcium in older adults. Balasubramanian R, et al. **J Am Coll Nutr** 1987 Jun;6(3):199–208

Effect of zinc supplements on the intestinal absorption of calcium. Spencer H, et al. **J Am Coll Nutr** 1987 Feb; 6(1):47–51

Effects of dietary monensin and potassium on apparent absorption of magnesium and other macroelements in sheep. Greene LW, et al. **J Anim Sci** 1986 Dec;63(6):1960–7

Effects of potassium on macromineral absorption in sheep fed wheat straw-based diets. Grings EE, et al. **J Anim Sci** 1987 Mar;64(3):872–9

Influence of picolinic acid on the uptake of 65zinc-amino acid complexes by the everted rat gut. Hill DA, et al. **J Anim Sci** 1987 Jul;65(1):173–8

Influence of manganese on the gastrointestinal absorption of cadmium in rats. Sarhan MJ, et al. **J Appl Toxicol** 1986 Oct;6(5):313–6

Intestinal adaptation to diabetes. Altered Na-dependent nutrient absorption in streptozocin-treated chronically diabetic rats. Fedorak RN, et al. **J Clin Invest** 1987 Jun; 79(6):1571–8

Effect of sucralfate on the absorption and pharmacokinetics of chlorpropamide. Letendre PW, et al. **J Clin Pharmacol** 1986 Nov–Dec;26(8):622–5

Drugs and the intestinal absorption of folate [editorial] Beck WS. **J Lab Clin Med** 1986 Oct;108(4):263–4

Competitive inhibition of folic acid absorption in rat jejunum by triamterene. Zimmerman J, et al. **J Lab Clin Med** 1986 Oct;108(4):272–6

Blockade of intestinal lipoprotein clearance in rabbits injected with Triton WR 1339-ethyl oleate. Nagata Y, et al. **J Lipid Res** 1987 Jun;28(6):684–92

Contrasting effects of the stomach and small intestine of rats on copper absorption. Fields M, et al. **J Nutr** 1986 Nov; 116(11):2219–28

Effects of level and saturation of fat and iron level and type in the diet on iron absorption and utilization by the rat. Johnson PE, et al. **J Nutr** 1987 Mar;117(3):501–7

Selenium–mercury interaction during intestinal absorption of

75Se compounds in chicks. Mykkänen HM, et al. **J Nutr** 1987 Aug;117(8):1453–8
Zinc intestinal absorption in rats: specificity of amino acids as ligands. Wapnir RA, et al. **J Nutr** 1986 Nov; 116(11):2171–9
The influence of gastrin on gastrointestinal function. Schwartz MZ, et al. **J Pediatr Surg** 1986 Dec;21(12):1123–7
Effects of the pyrones, maltol and ethyl maltol, on iron absorption from the rat small intestine. Barrand MA, et al. **J Pharm Pharmacol** 1987 Mar;39(3):203–11
Lipid vehicles for intestinal lymphatic drug absorption. Cheema M, et al. **J Pharm Pharmacol** 1987 Jan;39(1):55–6
Characterization of mitomycin C–induced gastrointestinal damage: changes in the gastric absorption of drugs in rats. Mizuno M, et al. **J Pharm Pharmacol** 1986 Sep;38(9):663–7
Differences in the promotion mechanism of the colonic absorption of antipyrine, phenol red and cefmetazole. Shiga M, et al. **J Pharm Pharmacol** 1987 Feb;39(2):118–23
Enhanced gastrointestinal absorption of drugs in rats pretreated with the synthetic immunomodulator, levamisole. Utsumi E, et al. **J Pharm Pharmacol** 1987 Apr; 39(4):307–9
Effect of metoclopramide on the absorption of cimetidine in rats. Funaki T, et al. **J Pharmacobiodyn** 1986 Oct; 9(10):811–8
Effect of medium–chain glycerides (MGK) on the intestinal absorption and the hepatobiliary transport of bromthymol blue. Higaki K, et al. **J Pharmacobiodyn** 1986 Jun;9(6):532–9
The mode of enhanced enteral absorption of macromolecules by lipid–surfactant mixed micelles. I. Masuda Y, et al. **J Pharmacobiodyn** 1986 Oct;9(10):793–8
Possible mechanisms for the enhancement of rectal absorption of hydrophilic drugs and polypeptides by aqueous polyacrylic acid gel. Morimoto K, et al. **J Pharmacobiodyn** 1987 Feb;10(2):85–91
Effects of phenothiazines and N–(6–aminohexyl)–5–chloro–1–naphthalenesulfonamide on rat colonic absorption of cefmetazole. Suzuka T, et al. **J Pharmacobiodyn** 1986 May;9(5):460–5
Mechanism of the inhibition of cholesterol absorption by DL–melinamide: inhibition of cholesterol esterification. Natori K, et al. **Jpn J Pharmacol** 1986 Dec;42(4):517–23
Intestinal cholesterol and oleic acid uptake from solutions supersaturated with lipids. Reynier MO, et al. **Lipids** 1987 Jan;22(1):28–32
Onset and persistence of changes in intestinal transport following dietary fat manipulation. Thomson AB, et al. **Lipids** 1987 Jan;22(1):22–7
Intestinal iron absorption during turpentine sterile inflammation in the rat. Influences of isoproterenol and propranolol. Gutnisky A, et al. **Methods Find Exp Clin Pharmacol** 1987 Jan;9(1):23–6
Metabolic acidosis enhances 1,25(OH)2D3–induced intestinal absorption of calcium and phosphorus in rats. Gafter U, et al. **Miner Electrolyte Metab** 1986;12(4):213–7
Verapamil improves defective duodenal calcium absorption in experimental chronic renal failure. Goligorsky MS, et al. **Miner Electrolyte Metab** 1986;12(5–6):363–70
The effect of aniline derivatives on absorption of fluid, glucose and sodium in isolated duodenal segments from rats. Diener M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):531–5
Proabsorptive properties of forskolin: disposition of glycine, leucine and lysine in rat jejunum. Reymann A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Sep; 334(1):110–5
Effect of 1,25–dihydroxyvitamin D3 on intestinal maltose absorption in uremic rats. Inagaki O, et al. **Nippon Jinzo Gakkai Shi** 1987 Mar;29(3):309–14
Early feeding of a high–cholesterol diet enhances intestinal permeability to lipids in rabbits. Thomson AB, et al. **Pediatr Res** 1987 Apr;21(4):347–51
Influence of centrally administered somatostatin and two related peptides on intestinal absorption of water and electrolytes in conscious dogs. Primi MP, et al. **Peptides** 1987 Jul–Aug;8(4):619–23
Influence of salicylate and anaesthesia on the rectal absorption of theophylline in rats. Van Hoogdalem EJ, et al. **Pharm Weekbl [Sci]** 1986 Dec 12;8(6):281–5
Intestinal absorption of glucose and amino acids in chickens administered monensin. Riley WW Jr, et al. **Poult Sci** 1986 Dec;65(12):2292–8
Variations of intestinal calcium absorption in adult frogs (Rana esculenta). Effect of lysine. el Maraghi–Ater H, et al. **Reprod Nutr Dev** 1987;27(2A):407–12
Inhibition of sugar transport across rat jejunum, in vivo, by cupric ions. Rodríguez–Yoldi MJ, et al. **Rev Esp Fisiol** 1987 Mar;43(1):45–9
Inhibition of sugar active transport across rat intestine in vivo by cadmium. Rodríguez–Yoldi MJ, et al. **Rev Esp Fisiol** 1987 Mar;43(1):39–44
Effects of cimetidine on jejunostomy effluents in patients with severe short–bowel syndrome. Jacobsen O, et al. **Scand J Gastroenterol** 1986 Sep;21(7):824–8
Vitamins D2 and D3 in new world primates: influence on calcium absorption. Hunt RD, et al. **Science** 1967 Aug 25; 157(3791):943–5
Influence of iron on plutonium absorption by the adult and neonatal rat. Sullivan MF, et al. **Toxicol Appl Pharmacol** 1986 Sep 15;85(2):239–47
The effect of di– and trivalent iron on the intestinal absorption of aluminum in rats. Van der Voet GB, et al. **Toxicol Appl Pharmacol** 1987 Sep 15;90(2):190–7
Urinary excretion of orally administered oxalic acid in MYRJ 45–treated NMRI mice. Salminen S, et al. **Toxicol Lett** 1987 Jun;37(1):91–4
Effect of cadmium on vitamin D–non–stimulated intestinal calcium absorption in rats. Ando M, et al. **Toxicology** 1987 Jul;45(1):1–11
The effect of oral metoclopramide on the absorption of cyclosporine. Wadhwa NK, et al. **Transplantation** 1987 Feb; 43(2):211–3
[Effect of testosterone propionate on jejunal and ileal zinc absorption in rats] Zhang GH. **Chung Hua I Hsueh Tsa Chih** 1986 Oct;66(10):608–10 **(Chi)**
[The effect of trifluoperazine on calcium absorption in the intestines measured by the oral calcium tolerance test] Zofková I, et al. **Vnitr Lek** 1987 Jan;33(1):33–8 (Eng. Abstr.) **(Cze)**
[Effect of the nature of carbohydrates in pig diets on the intestinal absorption of volatile fatty acids] Giusi A, et al. **C R Acad Sci [III]** 1987;304(10):265–8 (Eng. Abstr.) **(Fre)**
[Intestinal absorption of calcium gluconate and oseine–mineral complex: an evaluation by conventional analyses] Buclin T, et al. **Schweiz Med Wochenschr** 1986 Dec 13;116(50):1780–3 (Eng. Abstr.) **(Fre)**
[Modification of orocecal transit time of salazosulfapyridine by atropine and metoclopramide in healthy probands] Terhaag B, et al. **Dtsch Z Verdau Stoffwechselkr** 1986; 46(6):327–32 (Eng. Abstr.) **(Ger)**
[Effect of secretin, pancreozymin and caerulein on the jejunal absorption of water, electrolytes and glucose in dogs] Hirose S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul;83(7):1304–10 (Eng. Abstr.) **(Jpn)**
[Effect of aluminum ion on sulfisomidine absorption in rabbits] Imamura Y, et al. **Yakugaku Zasshi** 1986 Oct; 106(10):924–9 (Eng. Abstr.) **(Jpn)**
[Pharmaceutical studies on crude drugs. I. Effect of the Zingiberaceae crude drug extracts on sulfaguanidine absorption from rat small intestine] Sakai K, et al. **Yakugaku Zasshi** 1986 Oct;106(10):947–50 (Eng. Abstr.) **(Jpn)**
[Effect of protein– and fat–enriched diets on methionine absorption in rats after inhalation of petroleum vapors] Tokarz A, et al. **Rocz Panstw Zakl Hig** 1986;37(2):131–7 (Eng. Abstr.) **(Pol)**
[Etimizol absorption from the small intestine in dogs: the dependence on dosage] Trnovec T, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):729–30 (Eng. Abstr.) **(Rus)**
[Effect of physiologically active substances on intestinal absorption] Faltel'berg RO, et al. **Fiziol Zh** 1986 Sep–Oct; 32(5):618–24 (77 ref.) **(Rus)**
[Use of the induced effects of glucose and maltose on sodium and chloride transport in the human small intestine as a basis for a diagnostic absorption test] Komarov FI, et al. **Klin Med (Mosk)** 1987 Jun;65(6):50–6 **(Rus)**
[Effect of fluorine on enzyme activity in the small intestine mucosa during absorption of sodium, potassium, monosaccharides and amino acids] Grigorenko VK, et al. **Ukr Biokhim Zh** 1987 May–Jun;59(3):23–8 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Absorption from the gastrointestinal tract of rats of biologically incorporated 241Am found in fish] Zalikin GA, et al. **Radiobiologiia** 1987 May–Jun;27(3):393–5 (Eng. Abstr.) **(Rus)**

INTESTINAL AMEBIASIS see **DYSENTERY, AMEBIC**

INTESTINAL ATRESIA

COMPLICATIONS

Jejunal atresia secondary to intrauterine intussusception, presenting as acute perforation. Reed DN Jr, et al. **Can J Surg** 1987 May;30(3):203–4
Neonatal duodenal obstruction with emphasis on cases with Down's syndrome. Potts SR, et al. **Ulster Med J** 1986 Oct; 55(2):147–50
[Rare cases of intestinal obstruction in newborn infants] Gorelova EM, et al. **Klin Khir** 1987;(6):72 **(Rus)**

DIAGNOSIS

Prenatal ultrasonic diagnosis of multiple bowel atresias. Skoll MA, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):472–3
Neonatal duodenum: fluid–aided US examination. Cohen HL, et al. **Radiology** 1987 Sep;164(3):805–9
[Prenatal diagnosis of ileal obstruction using echography] Pagliano M, et al. **Minerva Ginecol** 1986 Nov;38(11):937–40 (Eng. Abstr.) **(Ita)**

ETIOLOGY

[Vascular factors in the genesis of atresia of the intestines] Verga G, et al. **Minerva Chir** 1986 Nov 30;41(22):1923–32 **(Ita)**

FAMILIAL & GENETIC

Familial small bowel atresia and stenosis. Young ID, et al. **J Pediatr Surg** 1986 Sep;21(9):792–3
[Seckel syndrome and multiple intestinal atresia] Ramírez–Gutiérrez V, et al. **Bol Med Hosp Infant Mex** 1987 Feb;44(2):108–11 (Eng. Abstr.) **(Spa)**

MORTALITY

Morbidity and mortality in small bowel atresia. Jejuno–ileal atresia. Danismend EN, et al. **Z Kinderchir** 1987 Feb; 42(1):17–8

PATHOLOGY

Ileal atresia and absence of appendix. Yokose Y, et al. **Acta Pathol Jpn** 1986 Sep;36(9):1403–10
High jejunal atresia with midgut deletion. Moore TC. **J Pediatr Surg** 1986 Nov;21(11):951–2

PHYSIOPATHOLOGY

Motility abnormality in intestinal atresia. Doolin EJ, et al. **J Pediatr Surg** 1987 Apr;22(4):320–4

RADIOGRAPHY

Atresia of the colon. Kogutt MS. **Am J Dis Child** 1987 Oct; 141(10):1119–20
Hereditary multiple atresias: radiological and pathological aspects. Blake NS, et al. **Ann Radiol (Paris)** 1986; 29(8):656–9

SURGERY

Newborn duodenal atresia: an improving outlook. Mooney D, et al. **Am J Surg** 1987 Apr;153(4):347–9
Apple peel jejunal atresia. Ahlgren LS. **J Pediatr Surg** 1987 May;22(5):451–3
The late nonfunctioning duodenal atresia repair. Ein SH, et al. **J Pediatr Surg** 1986 Sep;21(9):798–801
Duodenal atresia: a comparison of techniques of repair. Weber TR, et al. **J Pediatr Surg** 1986 Dec;21(12):1133–6
Congenital duodenal diaphragm in an adolescent [letter] Van Loenhout RM, et al. **Neth J Surg** 1986 Dec;38(6):187–8
Congenital colonic atresias. Menardi G. **Z Kinderchir** 1987 Feb;42(1):31–5
[Successful treatment of large intestine atresia] Urmonas VK, et al. **Klin Khir** 1987;(6):71 **(Rus)**

VETERINARY

Segmental atresia of the transverse colon in a foal with concurrent equine herpes virus–1 infection. Anderson WI, et al. **Cornell Vet** 1987 Apr;77(2):119–21

INTESTINAL BYPASS see **JEJUNOILEAL BYPASS**

INTESTINAL DISEASES

Chronic environmental enteropathy in a temperate climate. Brunser O, et al. **Hum Nutr Clin Nutr** 1987 Jul;41(4):251–61
[Actinomycosis of the large intestine] Ohrádka B, et al. **Bratisl Lek Listy** 1987 Jun;87(6):732–7 (Eng. Abstr.) **(Slo)**

BLOOD

Changes of plasma levels of apolipoproteins A–I, A–II, and B and their isoforms in patients with intestinal failure receiving long–term parenteral nutrition. Badimon JJ, et al. **Am J Clin Nutr** 1987 Feb;45(2):414–22
[Changes in the indices of cyclic nucleotides (cAMP and cGMP) in the blood plasma of children with acute intestinal infections] Abdullaev SKh, et al. **Pediatriia** 1987;(4):95 **(Rus)**

CHEMICALLY INDUCED

Quantitative analysis of intestinal ulceration induced by indomethacin, in rats. Ezer E. **Agents Actions** 1987 Jun; 21(1–2):173–6
Intestinal mucormycosis in hemodialysis patients following deferoxamine. Eiser AR, et al. **Am J Kidney Dis** 1987 Jul; 10(1):71–3
Effect of dose schedule of vitamin E and hydroxethylruticide on intestinal toxicity induced by adriamycin. McGinness JE, et al. **Physiol Chem Phys Med NMR** 1986;18(1):17–24
Non–steroidal anti–inflammatory drugs and the lower gastrointestinal tract. Rampton DS. **Scand J Gastroenterol** 1987 Jan;22(1):1–4 (57 ref.)
[Pharmacological studies on proglumetacin maleate, a new non–steroidal anti–inflammatory drug. (3) Damaging effects on the gastrointestinal tract] Ono N, et al. **Nippon Yakurigaku Zasshi** 1986 Sep;88(3):205–13 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

GI disorders—the name's the thing [letter] Wingate DL, et al. **Gut** 1987 Jun;28(6):776–7

COMPLICATIONS

Calculi in a Meckel's diverticulum: a case report and a review. Donaldson WG. **Aust NZ J Surg** 1978 Dec; 48(6):644–6
Preliminary evidence of gut involvement in the pathogenesis of rheumatoid arthritis? [letter] Haslock I. **Br J Rheumatol** 1986 Nov;25(4):418

Decreased drug absorption in a patient with Behçet's syndrome. Chaleby K, et al. **Clin Chem** 1987 Sep; 33(9):1679–81

Urolithiasis and enteric hyperoxaluria in a child with steatorrhea. Jones DP, et al. **Clin Pediatr (Phila)** 1987 Jun; 26(6):304–6

Autointoxication revisited. Person JR, et al. **J Am Acad Dermatol** 1986 Sep;15(3):559–63

Microdiverticulitis: a rare but distinct cause of small bowel obstruction in early infancy. Cooper A, et al. **J Pediatr Surg** 1987 Jun;22(6):552–5

Enteric hyperoxaluria and urolithiasis [letter] Brown JM, et al. **N Engl J Med** 1986 Oct 9;315(15):970–1

Yersinia enterocolitica and Crohn's disease. A case report. Payne M, et al. **S Afr Med J** 1987 Jul 4;72(1):53–5

Intrapericardial bowel hernia with cardiac tamponade. O'Brien A, et al. **Ulster Med J** 1986 Oct;55(2):175–7

[Intestinal amyloidosis and perforation of the gastrointestinal tract—a case of jejunal perforation due to amyloidosis] Miyakawa T, et al. **Rinsho Byori** 1986 Jul;34(7):839–44 **(Jpn)**

[Morphologic manifestations of intestinal lesions of bacterial and mycotic etiology developing in association with acute respiratory infections] Shastina GV. **Arkh Patol** 1987; 49(3):37–44 (Eng. Abstr.) **(Rus)**

[Ruptures of the intestine in the hernia sac] Zhizhin FS, et al. **Klin Khir** 1987;(2):32–3 **(Rus)**

[Clinical picture, pathogenesis and treatment of shock in various infectious diseases] Bulychev VV, et al. **Klin Med (Mosk)** 1986 Nov;64(11):23–32 (Eng. Abstr.) **(Rus)**

[Status of the microflora of the intestine in combined bacterio-viral infections] Shvalko AD, et al. **Tr Inst Pastera** 1985;63:130–2 **(Rus)**

[Changes in the fibrinolytic system in acute intestinal infections] Trishkova LA, et al. **Vrach Delo** 1987 Jan; (1):118–9 (Eng. Abstr.) **(Rus)**

[Chronic ulcerations of the small intestine. Report of a case] Varela SB. **Rev Fac Cien Med Univ Nac Cordoba** 1985; 43(2):45–6, 49 (Eng. Abstr.) **(Spa)**

CONGENITAL

Congenital diarrhea with intestinal inflammation and epithelial immaturity. Kanof ME, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan–Feb;6(1):141–6

DIAGNOSIS

Diagnosis of intestinal malakoplakia by fine needle aspiration cytology. Kumar PV, et al. **Acta Cytol (Baltimore)** 1987 Jan–Feb;31(1):53–6

Megacystis–microcolon–intestinal hypoperistalsis syndrome. Prenatal sonographic findings and review of the literature. Vintzileos AM, et al. **Am J Perinatol** 1986 Oct;3(4):297–302

Intestinal gas formation and the use of breath measurements to monitor the influence of diet and disease. Brydon WG, et al. **Dig Dis** 1986;4(1):1–12 (81 ref.)

Visceral myopathy of the colon mimicking Hirschsprung's disease. Diagnosis by deep rectal biopsy. Leon SH, et al. **Dig Dis Sci** 1986 Dec;31(12):1381–6

Leucocyte elastase in chronic inflammatory bowel diseases: a marker of inflammatory activity? Fischbach W, et al. **Digestion** 1987;37(2):88–95

14C triolein breath test: a routine test in the gastroenterology clinic? Mylvaganam K, et al. **Gut** 1986 Nov;27(11):1347–52

Intestinal toxicoinfection by Clostridium botulinum type F in an adult. Case associated with Guillain–Barré syndrome. Sonnabend WF, et al. **Lancet** 1987 Feb 14;1(8529):357–61

Tuberculosis of intestines: analysis of 13 cases. Tsai GL, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Aug;85(8):832–43

Intestinal malrotation without volvulus in infancy and childhood. Rasmussen L, et al. **Z Kinderchir** 1987 Feb; 42(1):19–22

[Use of sonography in the diagnosis of intestinal diseases] Malek O, et al. **Cesk Radiol** 1986 Aug;40(4):245–50 (Eng. Abstr.) **(Cze)**

[Which exhalation tests have practical significance in differentiating enteral disorders?] Gutschmidt S. **Z Gastroenterol** 1987 Mar;25 Suppl 2:39–45 **(Ger)**

[Intussusception of inverted Meckel's diverticulum: a case report] Saitoh O, et al. **Rinsho Hoshasen** 1987 Jan; 32(1):143–6 (Eng. Abstr.) **(Jpn)**

[Metabolites of the intestinal microflora in the diagnosis of intestinal dysbacteriosis] Tamm AO, et al. **Antibiot Med Biotekhnol** 1987 Mar;32(3):191–5 (19 ref.) (Eng. Abstr.) **(Rus)**

[Acute intestinal diseases and their complications] Makar DA, et al. **Klin Khir** 1987;(4):29–30 (Eng. Abstr.) **(Rus)**

[Intestinal dysbacteriosis and its clinical significance] Beiul EA, et al. **Klin Med (Mosk)** 1986 Nov;64(11):37–44 **(Rus)**

[Sorbed antigen test] Shamardin VA, et al. **Lab Delo** 1987; (3):176–9 (Eng. Abstr.) **(Rus)**

[Diagnostic criteria for disorders of small intestine function] Aleksandrova NI, et al. **Pediatriia** 1986 Sep;(9):70–1 **(Rus)**

[The anuria syndrome in acute intestinal infections in children] Kablukova EK. **Pediatriia** 1986 Oct;(10):58–9 **(Rus)**

[Acute intestinal diseases caused by Klebsiella in young children] Kuz'mina LE, et al. **Pediatriia** 1986 Sep;(9):31–3 **(Rus)**

[Long-term prognostic effect of treatment in chronic non-ulcerative colitis and dyskinesia of the large intestine] Esedov EM. **Ter Arkh** 1986;58(6):96–8 (Eng. Abstr.) **(Rus)**

[Intestinal infections in children caused by a combination of Shigellae, Salmonellae and Escherichiae] Fedianin IuP. **Tr Inst Pastera** 1985;63:126–30 **(Rus)**

[Clinical picture and course of intestinal infections caused by Pseudomonas aeruginosa in premature children] Gul'man LA, et al. **Tr Inst Pastera** 1985;63:124–6 **(Rus)**

[The role of conditionally-pathogenic enterobacteria in the development of acute intestinal diseases] Perekopskaia TI, et al. **Tr Inst Pastera** 1985;63:138–9 **(Rus)**

[Clinico-laboratory characteristics of mixed Escherichia coli infections in children under a year old] Timofeeva GA, et al. **Tr Inst Pastera** 1985;63:103–7 **(Rus)**

[Contact thermometry in examining patients with viral hepatitis A and acute intestinal infections] Bolko IN, et al. **Vrach Delo** 1987 Jul;(7):98–100 (Eng. Abstr.) **(Rus)**

[Abdominal angiostrongylosis. Clinical aspects, treatment and review of the literature] Lobo Sanahuja F, et al. **Bol Med Hosp Infant Mex** 1987 Jan;44(1):4–9 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Ceruletide and neostigmine in postoperative intestinal paralysis. A double-blind clinical controlled trial. Madsen PV, et al. **Dis Colon Rectum** 1986 Nov;29(11):712–3

Rifaximin, a rifamycin derivative for use in the treatment of intestinal bacterial infections in seriously disabled patients. Alvisi V, et al. **J Int Med Res** 1987 Jan–Feb; 15(1):49–56

Comparative study of Baralgan and hyoscine-N-methyl bromide in the treatment of intestinal and renal colicy pain. Benyajati C. **J Med Assoc Thai** 1986 Oct;69(10):569–73

Paromomycin therapy of endemic amebiasis in homosexual men. Sullam PM, et al. **Sex Transm Dis** 1986 Jul–Sep; 13(3):151–5

[New salazosulfapyridine derivatives. Progress in the treatment of chronic inflammatory diseases of the intestines?] Modigliani R, et al. **Gastroenterol Clin Biol** 1987 Apr;11(4):325–32 (57 ref.) **(Fre)**

[Aminosalicylates and chronic inflammatory diseases of the digestive tract] Loizeau E. **Rev Med Suisse Romande** 1987 Jul;107(7):549–51 **(Fre)**

[Pharmacologic correction of the cellular immunity disorders in infants in the 1st 3 months of life with escherichiosis] Vasiunin AV, et al. **Farmakol Toksikol** 1986 Sep–Oct; 49(5):105–7 (Eng. Abstr.) **(Rus)**

[Experience in using a carotene mixture in the treatment of acute intestinal infections in young children] Gorchitsa LV, et al. **Pediatriia** 1987;(1):107–8 **(Rus)**

ENZYMOLOGY

The enzymology of intestinal disease. Goldberg DM. **Clin Biochem** 1987 Apr;20(2):63–72 (82 ref.)

ETIOLOGY

Laminated radiopaque enteroliths: diagnostic clues to intestinal pathology. Paige ML, et al. **Am J Gastroenterol** 1987 May;82(5):432–7

Spontaneous free perforation and perforated abscess in 30 patients with Crohn's disease. Greenstein AJ, et al. **Ann Surg** 1987 Jan;205(1):72–6 (50 ref.)

Infantile colic and feeding [letter] Shaw NJ, et al. **Arch Dis Child** 1987 Jun;62(6):639–40

Pelvic complications after excision of the rectum. Avill R, et al. **Br J Clin Pract** 1986 May;40(5):217–8

Research on Aeromonas and Plesiomonas. III. Enteric infections. **Experientia** 1987 Apr 15;43(4):362–6

Adherence to and penetration of the intestinal epithelium by reovirus type 1 in neonatal mice. Wolf JL, et al. **Gastroenterology** 1987 Jan;92(1):82–91

Establishment of an animal model of ovalbumin sensitised mouse to study protein induced enteropathy. Malo C, et al. **Gut** 1986 Nov;27(11):1298–305

Involvement of serotonin in intestinal mastocytopoiesis and inflammation during a Trichinella spiralis infection in mice. Parmentier HK, et al. **Int Arch Allergy Appl Immunol** 1987; 83(1):31–8

Experimental studies on the pathogenesis of the chronic radiation ulcer of the large bowel in rats. Trott KR, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep;12(9):1637–43

Characteristics of aeromonas species and their association with human diarrhoeal disease. Gracey M, et al. **J Diarrhoeal Dis Res** 1986 Jun;4(2):70–3 (44 ref.)

Effects of acarbose in rats are influenced by the type of dietary starch. Glick Z, et al. **Pharmacol Biochem Behav** 1986 Aug;25(2):491–4

The cutting diathermy and drain tracts [letter] Schein M, et al. **S Afr Med J** 1987 Feb 7;71(3):192–3

[Candidiasis involvement of the small intestine complicated by perforation. A case of favorable course] Fischer D, et al. **Gastroenterol Clin Biol** 1987 Jun–Jul;11(6–7):514–7 (Eng. Abstr.) **(Fre)**

[Renal and digestive amyloidosis and Behçet's disease. Apropos of a case] Wechsler B, et al. **Rev Med Interne** 1986 Sep;7(4):361–4 (Eng. Abstr.) **(Fre)**

[Eventration of the small intestine through a necrotic opening in the posterior vaginal vault] Poreba R, et al. **Ginekol Pol** 1987 Feb;58(2):128–30 (Eng. Abstr.) **(Pol)**

[Dysbacteriosis--infectious processes of mixed etiology] Smolianskaia AZ. **Antibiot Med Biotekhnol** 1987 Mar; 32(3):186–90 (26 ref.) (Eng. Abstr.) **(Rus)**

[Role of impaired regeneration of the mucosal epithelium in the pathogenesis of acute ulcers of the stomach and small intestine] Cherviak PI, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):371–3 (Eng. Abstr.) **(Rus)**

[Late-onset radiation injuries of the intestines and their treatment] Bardychev MS, et al. **Vopr Onkol** 1986; 32(8):73–7 (Eng. Abstr.) **(Rus)**

[Etiological significance of rotaviruses in acute intestinal diseases in children] Sakvarelidze LA, et al. **Vopr Virusol** 1986 Nov–Dec;31(6):695–7 (Eng. Abstr.) **(Rus)**

[Intestinal Escherichia coli infections] Arias Vallejo E. **Rev Esp Enferm Apar Dig** 1987 May;71(5):429 **(Spa)**

IMMUNOLOGY

Immunologic mechanisms in intestinal diseases. Targan SR, et al. **Ann Intern Med** 1987 Jun;106(6):853–70 (209 ref.)

Experimental studies of immunologically mediated enteropathy. III. Severe and progressive enteropathy during a graft-versus-host reaction in athymic mice. Mowat AM, et al. **Immunology** 1987 Jun;61(2):185–8

Serum secretory IgA, IgA1 and IgA2 subclasses in inflammatory bowel and chronic liver diseases. Soppi E, et al. **J Clin Lab Immunol** 1987 May;23(1):15–7

[Pediatric autoimmune enteropathies with anti-cytoplasmic enterocytic auto-antibodies] Charritat JL, et al. **Ann Pediatr (Paris)** 1987 Mar;34(3):195–203 (44 ref.) (Eng. Abstr.) **(Fre)**

[Immunologic indices in acute intestinal infections of newborn infants] Fomin VV, et al. **Pediatriia** 1987;(1):106–7 **(Rus)**

[Circulating immune complexes in salmonellosis] Il'inskii IuA, et al. **Sov Med** 1987;(6):105–7 **(Rus)**

[Comparative effectiveness of the bacteriologic method and of the direct determination of the O antigen of the causative agent in research on the excretions of patients with salmonellosis due to Salmonella typhimurium] Li VP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):21–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Nutritional management of pregnancy in patients on home parenteral nutrition. Mughal MM, et al. **Br J Obstet Gynaecol** 1987 Jan;94(1):44–9

Intestinal permeability: clinical correlates. Bjarnason I, et al. **Dig Dis** 1986;4(2):83–92 (58 ref.)

Bentiromide test is not affected in patients with small bowel disease or liver disease. Meyer BM, et al. **Pancreas** 1987; 2(1):44–7

Involvement of capsaicin-sensitive mechanism(s) in the antiulcer defence of intestinal mucosa in rats. Evangelista S, et al. **Proc Soc Exp Biol Med** 1987 Mar;184(3):264–6

[Mucosubstance histochemistry of the human large intestine] Katsuyama T, et al. **Rinsho Byori** 1987 Apr;35(4):405–12 **(Jpn)**

MICROBIOLOGY

New intestinal pathogens. Bartlett JG. **Ann Ist Super Sanita** 1986;22(3):815–21

Bacterial flora and intestinal chronic diseases. Tabaqchali S, et al. **Ann Ist Super Sanita** 1986;22(3):921–31

[Therapeutic possibilities in contaminated small intestine syndrome] Pollák R, et al. **Orv Hetil** 1987 Jul 19; 128(29):1515–7 (Eng. Abstr.) **(Hun)**

[The dysbacteriosis of extreme states] Liz'ko NN. **Antibiot Med Biotekhnol** 1987 Mar;32(3):184–6 (Eng. Abstr.) **(Rus)**

[Enterotoxigenicity of bacteria of the genera Klebsiella and Enterobacter determined by immunologic methods] Barkus MM, et al. **Lab Delo** 1986;(9):556–8 (Eng. Abstr.) **(Rus)**

[A molecular biology method of typing the thermolabile enterotoxin determinants of Proteus strains isolated from acute intestinal infections] Bondarenko VM, et al. **Lab Delo** 1987;(4):289–91 (Eng. Abstr.) **(Rus)**

OCCURRENCE

[Current problems in the epidemiology and prevention of acute intestinal infections among the troops] Perepelkin VS, et al. **Voen Med Zh** 1986 Aug;(8):32–4 **(Rus)**

PARASITOLOGY

[Intestinal parasitic colonization and protein-caloric malnutrition] Gendrel D, et al. **Arch Fr Pediatr** 1986 Nov; 43(9):727–30 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Intestinal spirochetosis in homosexual men. Surawicz CM, et al. **Am J Med** 1987 Mar 23;82(3 Spec No):587–92

Surgical pathology of the infected gut. Abrams GD. **Am J Surg Pathol** 1987;11 Suppl 1:16–24 (40 ref.)

Inflammatory bowel disease versus acute self-limited colitis [letter] De Geeter FW. **Gastroenterology** 1987 Jul; 93(1):219–20

Pathology of neuromuscular disorders of the small intestine and colon. Krishnamurthy S, et al. **Gastroenterology** 1987 Sep;93(3):610–39 (207 ref.)

[Casuistic ruptures of the rectosigmoid with small intestine

evisceration through the anus] Mikhallov M, et al. **Khirurgiia (Sofiia)** 1986;39(4):62 **(Bul)**

[Adaptive forms of the small intestine mucosa and their clinical significance] Menge H, et al. **Internist (Berlin)** 1986 Oct;27(10):665–71 **(Ger)**

[Roentgenological demonstration of pathological changes of the mucosa of the small intestine] Desaga JF. **ROFO** 1987 Jun;146(6):689–94 (Eng. Abstr.) **(Ger)**

[Biopsy of the small intestine and functional diagnosis—complementary or alternative methods?] Menge H. **Z Gastroenterol** 1987 Mar;25 Suppl 2:46–50 **(Ger)**

[Strangulation and torsion of loops of a small intestine with congenital gaps in its mesentery] Denisenko NV, et al. **Klin Khir** 1987;(2):37 **(Rus)**

[Giant mesenteric cysts of the small intestine] Kudriavtsev ZP, et al. **Vestn Khir** 1986 Oct;137(10):61–2 **(Rus)**

PHYSIOPATHOLOGY

Studies of intestinal permeability in inflammatory diseases using polyethylene glycol 400. Jenkins RT, et al. **Clin Biochem** 1986 Oct;19(5):298–302

Physiologic study of the terminal digestive tract in chronic painful constipation. Meunier P. **Gut** 1986 Sep; 27(9):1018–24

Prostaglandins in disorders of the intestinal tract: a review. Branski D, et al. **J Pediatr Gastroenterol Nutr** 1986 Nov–Dec;5(6):853–60 (45 ref.)

[Changes in several hemodynamic indices in intestinal toxicosis with exsiccation] Zhuchenko VK. **Tr Inst Pastera** 1985;63:142–5 **(Rus)**

[Blood flow and stomach function in patients with acute intestinal infections caused by opportunistic microorganisms] Andreichin MA, et al. **Vrach Delo** 1987 Jul;(7):101–2 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Protection of mice against intestinal amoebiasis with BCG, Corynebacterium parvum and Listeria monocytogenes. Ghadirian E, et al. **Parasite Immunol** 1986 Nov;8(6):663–7

[Prevention of acute intestinal infections based on the epidemiological surveillance system] V'iushkov MV. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Nov;(11):40–2 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Small-bowel disease: categorization by CT examination. James S, et al. **AJR** 1987 May;148(5):863–8

Enteroenteric intussusception: CT findings in nine patients. Merine D, et al. **AJR** 1987 Jun;148(6):1129–32

The radiological features of Henoch–Schonlein purpura in the gastro intestinal tract. Doyle T, et al. **Australas Radiol** 1986 Nov;30(4):313–6

Granular small bowel mucosa: a reflection of villous abnormality. Jones B, et al. **Gastrointest Radiol** 1987; 12(3):219–25

CT abnormalities in right lower quadrant inflammatory disease: review of findings in 26 adults. Scatarige JC, et al. **Gastrointest Radiol** 1987;12(2):156–62

Pneumoperitoneum. Kreel L. **Postgrad Med J** 1986 Jan; 62(723):31–2

Small bowel radiography: how, when, and why? Maglinte DD, et al. **Radiology** 1987 May;163(2):297–305 (66 ref.)

[Degos' syndrome. Intestinal involvement as demonstrated by digital angiography. A case] Bilbao JI, et al. **J Radiol** 1986 Oct;67(10):711–3 (Eng. Abstr.) **(Fre)**

[Roentgen diagnosis of inflammatory bowel diseases in the child] Lassrich MA. **Wien Klin Wochenschr** 1986 Aug 29; 98(16):530–9 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Clinical experience with 99mTc-hexamethylpropylene-amineoxime for labelling leucocytes and imaging inflammation. Peters AM, et al. **Lancet** 1986 Oct 25;2(8513):946–9

SURGERY

Palliative surgery for intestinal complications of advanced, recurrent gynaecologic malignancy. Mäkelä J, et al. **Acta Chir Scand** 1987 Jan;153(1):57–61

Changing aspects of radiation enteropathy [letter] Braslow L. **Arch Surg** 1986 Oct;121(10):1212–3

Surgical therapy of radiation-induced small-bowel lesions. Report of 34 cases with a high share of patients with combined chemotherapy. Miholic J, et al. **Arch Surg** 1987 Aug;122(8):923–6

Indications for and results of operation in inflammatory bowel disease. Schofield PF, et al. **J R Soc Med** 1986 Oct; 79(10):593–5

Anastomotic insufficiency in small bowel surgery—incidence and treatment. Hesp WL, et al. **Langenbecks Arch Chir** 1986;368(2):105–11

Primary torsion of the greater omentum. Kelly SB. **Ulster Med J** 1987 Apr;56(1):58–9

[Severe postradiation intestinal lesions. Apropos of 47 cases] Meyer C, et al. **Chirurgie** 1987;113(2):180–7 (Eng. Abstr.) **(Fre)**

[Continuous single-layer intestinal anastomosis] Harder F, et al. **Chirurg** 1987 Apr;58(4):269–73 **(Ger)**

[Interintestinal anastomoses using suturing devices (a review of the foreign literature)] Rivkin VL, et al. **Sov Med** 1986; (9):67–70 (55 ref.) **(Rus)**

[Therapeutic-decompression Y-shaped stoma during intestinal resection] Sumin VV, et al. **Vestn Khir** 1986 Dec; 137(12):81–6 **(Rus)**

[Combined operations in diseases of the large intestine] Timerbulatov VM, et al. **Vestn Khir** 1987 Apr;138(4):32–3 (Eng. Abstr.) **(Rus)**

THERAPY

Home parenteral nutrition in chronic intestinal diseases: its effect on growth and development. Amarnath RP, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan–Feb;6(1):89–95

Intravenous hyperalimentation. Craig RM. **Ration Drug Ther** 1977 Feb;11(2):1–4

Coping with intestinal illness among the Kamba in Machakos, Kenya, and aspects of schistosomiasis control. Kloos H, et al. **Soc Sci Med** 1987;24(4):383–94

Current management of patients with lower gastrointestinal bleeding. Buchman TG, et al. **Surg Clin North Am** 1987 Jun;67(3):651–64

[Perspectives of small intestine transplantations] Deltz E, et al. **Z Gastroenterol [Verh]** 1987 Apr;22:73–7 (26 ref.) **(Ger)**

[Various urgent problems of clinical enterology] Ryss ES. **Ter Arkh** 1986;58(7):145–9 (59 ref.) **(Rus)**

[Experience with the treatment of severe forms of intestinal toxicosis in young children] Mikhalev VN, et al. **Tr Inst Pastera** 1985;63:152–7 **(Rus)**

[Importance of amino acid mixtures in the supplementary nutrition of patients with chronic diseases of the small intestine] Loginov AS, et al. **Vopr Pitan** 1987 May–Jun; (3):16–9 (Eng. Abstr.) **(Rus)**

TRANSMISSION

Sex and the bowel. Allason-Jones E, et al. **Int J Color Dis** 1987 Feb;2(1):32–7 (53 ref.)

VETERINARY

Contribution of whole blood L-lactate, pyruvate, D-lactate, acetoacetate, and 3-hydroxybutyrate concentrations to the plasma anion gap in horses with intestinal disorders. Gossett KA, et al. **Am J Vet Res** 1987 Jan;48(1):72–5

A survey of enteric viruses of turkey poults. Reynolds DL, et al. **Avian Dis** 1987 Jan–Mar;31(1):89–98

Astrovirus: a cause of an enteric disease in turkey poults. Reynolds DL, et al. **Avian Dis** 1986 Oct–Dec;30(4):728–35

Enteroliths in horses. Lloyd K, et al. **Cornell Vet** 1987 Apr; 77(2):172–86 (66 ref.)

Resection and anastomosis of small intestine: current methods applicable to the horse. Edwards GB. **Equine Vet J** 1986 Jul;18(4):322–30

Chronic inflammatory and lymphoproliferative lesions of the equine small intestine. Platt H. **J Comp Pathol** 1986 Nov; 96(6):671–84

Enteric campylobacter infection in gnotobiotic calves and lambs. Terzolo HR, et al. **Res Vet Sci** 1987 Jul;43(1):72–7

Neutrophil mediated and IgA dependent antibacterial immunity against enteropathogenic Escherichia coli in the porcine intestinal mucosa. Bhogal BS, et al. **Vet Immunol Immunopathol** 1987 Jan;14(1):23–44

Intestinal anastomosis [letter] Rigby JP. **Vet Rec** 1987 Jan 24;120(4):94–5

[Experimental approach to the role of the paratenic host in the circulation of the parasite Bothriocephalus claviceps Goeze, 1782 (Cestoda, Pseudophyllidea)] Dupont F, et al. **Ann Parasitol Hum Comp** 1986;61(4):423–9 (Eng. Abstr.) **(Fre)**

INTESTINAL DISEASES, PARASITIC

Intestinal cryptosporidiosis. Report of four cases. Bunyaratvej S, et al. **J Med Assoc Thai** 1986 Nov; 69(11):604–9

Cryptosporidiosis or an Aesop fable for modern times. Katz M, et al. **Pediatr Infect Dis J** 1987 Jul;6(7):619–21 (28 ref.)

Schistosoma japonicum-like infection in Phichit province, northern Thailand: a case report. Bunnag T, et al. **Southeast Asian J Trop Med Public Health** 1986 Jun; 17(2):189–93

[Clinical giardiasis] Sobota K, et al. **Bratisl Lek Listy** 1987 Jun;87(6):710–4 (Eng. Abstr.) **(Slo)**

CLASSIFICATION

Intestinal parasites of the tropics. Whitby M. **Aust Fam Physician** 1987 Feb;16(2):137–41

COMPLICATIONS

Cryptosporidial and cytomegaloviral hepatitis and cholecystitis. Kahn DG, et al. **Arch Pathol Lab Med** 1987 Sep;111(9):879–81

Life-threatening cryptosporidiosis in immunocompetent infants. Keren G, et al. **Eur J Pediatr** 1987 Mar;146(2):187–9

Eosinophilia, a manifestation of intestinal parasitic infections in Jeddah region, Saudi Arabia. Arafa MS, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):707–15

Cryptosporidiosis in patients with AIDS [letter] Navin TR, et al. **J Infect Dis** 1987 Jan;155(1):150

Nutritional aspects of infection. Crompton DW. **Trans R Soc Trop Med Hyg** 1986;80(5):697–705 (128 ref.)

[AIDS and intestinal opportunistic protozoan infections] Xue CL. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(4):288–9 (14 ref.) **(Chi)**

[Intestinal cryptosporidiosis in a 14-year-old girl with a malabsorption syndrome and an obscure acquired defect of immunity] Janda J, et al. **Cesk Pediatr** 1987 Mar; 42(3):149–51 **(Cze)**

[Chronic diarrhea with Isospora belli steatorrhea (letter)] Jaubert F, et al. **Presse Med** 1986 Oct 18;15(36):1830 **(Fre)**

[Malabsorption syndrome in a patient with primary antibody deficiency and lambliasis] Pirwitz B, et al. **Pol Tyg Lek** 1986 Aug 18;41(33):1053–5 (Eng. Abstr.) **(Pol)**

[Megaloblastic anemia secondary to infection by Diphyllobothrium latum] Donoso-Scroppo M, et al. **Rev Med Chil** 1986 Dec;114(12):1171–4 (Eng. Abstr.) **(Spa)**

[Isospora infection of chronic course] Gamboa C, et al. **Rev Med Chil** 1986 Jul;114(7):674–7 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

The value of colonoscopy in schistosomal, tuberculous, and amebic colitis. Two-year experience. Radhakrishnan S, et al. **Dis Colon Rectum** 1986 Dec;29(12):891–5

Eosinophilia in Southeast Asian refugees: evaluation at a referral center. Nutman TB, et al. **J Infect Dis** 1987 Feb; 155(2):309–13

Perinatal infection with cryptosporidium [letter] Dale BA, et al. **Lancet** 1987 May 2;1(8540):1042–3

Giardiasis: diagnosis and treatment. Loken S. **Nurse Pract** 1986 Dec;11(12):20–2, 26–32

Dientamoeba fragilis: a bowel pathogen? Oxner RB, et al. **NZ Med J** 1987 Feb 11;100(817):64–5

The clinical significance of gastrointestinal helminths—a review. Cook GC. **Trans R Soc Trop Med Hyg** 1986; 80(5):675–85 (113 ref.)

[A case of abdominal actinomycosis] Matsumura K, et al. **Nippon Geka Gakkai Zasshi** 1987 May;88(5):629–32 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Drug therapy of gastrointestinal parasitic infections. The ACG Committee of FDA-related matters. Turner JA. **Am J Gastroenterol** 1986 Dec;81(12):1125–37 (74 ref.)

The treatment of intestinal helminthiasis with albendazole. Zawde D. **Ethiop Med J** 1987 Apr;25(2):83–6

Albendazole: a new broad spectrum anthelmintic for treatment of intestinal helminthiasis. Broor SL, et al. **Indian J Gastroenterol** 1986 Oct;5(4):286–8

Treatment of intestinal E. histolytica and G. lamblia with metronidazole, tinidazole and ornidazole: a comparative study. Bassily S, et al. **J Trop Med Hyg** 1987 Feb;90(1):9–12

'Albendazole' in intestinal helminthiasis. Ahmad A, et al. **JPMA** 1986 May;36(5):114–7

Successful treatment of Diphyllobothrium latum and Taenia saginata infection by intraduodenal 'Gastrografin' injection. Waki K, et al. **Lancet** 1986 Nov 15;2(8516):1124–6

Treatment of parasitic infections in Thailand. Charoenlarp P, et al. **Southeast Asian J Trop Med Public Health** 1986 Dec;17(4):620–6 (51 ref.)

[Clinical analysis and treatment of 55 cases of intestinal sarcosporidiosis] Li WT, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(1):47–9 (Eng. Abstr.) **(Chi)**

[Comparison of albendazole and pyrantel pamoate in the treatment of intestinal nematode infections] Qian MX, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Jun;25(6):324–7, 380 (Eng. Abstr.) **(Chi)**

[Therapeutic possibilities in diseases caused by intestinal parasites] Reinthaler FF, et al. **Wien Med Wochenschr** 1987 May 15;137(9):188–92 (Eng. Abstr.) **(Ger)**

[New Soviet anthelmintic medamine: the results of clinical trials in intestinal nematodiases] Ozeretskovskaia NN, et al. **Med Parazitol (Mosk)** 1986 Sep–Oct;(5):7–10 (Eng. Abstr.) **(Rus)**

ETHNOLOGY

Health care needs of Indochinese refugee teenagers. Fitzpatrick S, et al. **Pediatrics** 1987 Jan;79(1):118–24

ETIOLOGY

Anisakiasis. Kwee HG, et al. **Am Fam Physician** 1987 Aug; 36(2):137–40

Intestinal fluke infection as a result of eating sushi. Adams KO, et al. **Am J Clin Pathol** 1986 Nov;86(5):688–9

Human intestinal infection with Nanophyetus salmincola from salmonid fishes. Eastburn RL, et al. **Am J Trop Med Hyg** 1987 May;36(3):586–91

Intestinal myiasis in a baby attending a public health clinic. North DE, et al. **Nurse Pract** 1987 May;12(5):60–3

[A case of Hodgkin's disease complicated by Strongyloides stercoralis infestation] Dini D, et al. **Minerva Med** 1987 Jan 15;78(1):49–53 (Eng. Abstr.) **(Ita)**

[Verification of the theory of the role of synanthropic insects in the transmission of intestinal Protozoa] Majewska AC. **Przegl Epidemiol** 1986;40(3):300–3 (Eng. Abstr.) **(Pol)**

[Infections in homosexuals] Navarro Rojas P, et al. **GEN** 1985 Jul–Sep;39(3):195–202 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

A familial infection of giardiasis. Zhang YQ, et al. **Chin Med J [Engl]** 1986 May;99(5):417–9

IMMUNOLOGY

Eimeria tenella: effects of immunity on sporozoites within the lumen of the small intestine. Rose ME, et al. **Exp Parasitol** 1987 Jun;63(3):337–44

Vaccination against intestinal parasites. Miller HR. **Int J Parasitol** 1987 Feb;17(1):43–51 (43 ref.)

Inhibition phenomena mechanisms in experimental obeliscoidosis in rabbits. II. Local and systemic antibody responses. Helal IB, et al. **J Helminthol** 1987 Jun; 61(2):115–23

Human immune response to Giardia lamblia infection. Taylor GD, et al. **J Infect Dis** 1987 Jan;155(1):137–40

Immunocytolocalization of two protection-inducing antigens of Trichinella spiralis during its enteral phase in immune and non-immune mice. Capó V, et al. **J Parasitol** 1986 Dec;72(6):931–8

The reversibility of intestinal immune expulsion effects on adult Nippostrongylus brasiliensis. Kassai T, et al. **J Parasitol** 1987 Apr;73(2):345–50

Cross resistance against challenge infection in mice infected with Trichinella spiralis or T. pseudospiralis. Ooi HK, et al. **Jpn J Vet Res** 1987 Apr;35(2):87–97

Immunity in intestinal helminth infections: present concepts, future directions. Befus D. **Trans R Soc Trop Med Hyg** 1986;80(5):735–41 (45 ref.)

Helminth-induced intestinal inflammation. Moqbel R. **Trans R Soc Trop Med Hyg** 1986;80(5):719–27 (78 ref.)

Antigens of gastrointestinal nematodes. Pritchard DI. **Trans R Soc Trop Med Hyg** 1986;80(5):728–34 (40 ref.)

Genetic and other constraints on resistance to infection with gastrointestinal nematodes. Wakelin D. **Trans R Soc Trop Med Hyg** 1986;80(5):742–7 (34 ref.)

[Status of the immunologic secretory system of the small intestine in children infected with Giardia intestinalis] Swiatkowska E, et al. **Pol Tyg Lek** 1986 Sep 15; 41(37):1169–72 (Eng. Abstr.) **(Pol)**

METABOLISM

Intestinal brush border calmodulin: key role in the regulation of NaCl transport in Giardia lamblia infected mice. Ganguly NK, et al. **Biochem Int** 1987 Feb;14(2):249–56

Intestinal absorption studies in Fasciolopsis buski infection. Jaroonveesama N, et al. **Southeast Asian J Trop Med Public Health** 1986 Dec; 17(4):582–6

MICROBIOLOGY

[Duodenal microflora in children infected with Giardia intestinalis] Swiatkowska E, et al. **Pol Tyg Lek** 1986 Sep 15;41(37):1173–5 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Capillaria philippinensis infection in Khoozestan Province, Iran: case report. Hoghooghi-Rad N, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):135–7

Entamoeba polecki and other intestinal protozoa in Papua New Guinea Highland children. Desowitz RS, et al. **Ann Trop Med Parasitol** 1986 Aug;80(4):399–402

Intestinal helminthic infections and some haematological parameters in pregnant women attended at the University Teaching Hospital in Calabar, Nigeria. Ezeoke AC. **Bol Chil Parasitol** 1985 Jan–Jun;40(1–2):14–8

Examinations of digestive system parasitoses in people back from the tropics and subtropics. Zwierz C. **Bull Inst Marit Trop Med Gdynia** 1985;36(1–4):69–75

Estimates of intestinal parasite prevalence in 1984: report of a 5-year follow-up survey of provincial laboratories. Gyorkos T, et al. **Can J Public Health** 1987 May–Jun; 78(3):185–7

Epidemiological survey on bacterial, viral and parasitic agents in patients affected by acute enteritis. Magliani W, et al. **Eur J Epidemiol** 1985 Jun;1(2):127–30

Recent advances in human protozoan parasites of the gastrointestinal tract. Cross JH. **Int J Parasitol** 1987 Feb; 17(1):151–8 (53 ref.)

Intestinal helminthiases and human health: recent advances and future needs. Pawlowski ZS. **Int J Parasitol** 1987 Feb; 17(1):159–67 (75 ref.)

Intestinal helminthiasis and haemoparasitism in an area of endemic dracunculiasis in Oyo State of Nigeria. Adeyeba OA. **Int J Zoonoses** 1986 Mar;13(1):6–10

Prevalence of enteric parasites in homosexual patients attending an outpatient clinic. Peters CS, et al. **J Clin Microbiol** 1986 Oct;24(4):684–5

Parasitic infections in asymptomatic homosexual men: cost-effective screening. Levinson W, et al. **J Gen Intern Med** 1986 May–Jun;1(3):150–4

Prevalence and intensity of helminth infections in southwest Puerto Rico. Rivera-Marrero CA. **J Parasitol** 1986 Oct; 72(5):787–8

Prevalence of intestinal parasitic infestation in rural area. Hegde GR, et al. **J Postgrad Med** 1986 Oct;32(4):225–8

Ten year study of stool samples with particular reference to intestinal parasites. Patel JC. **J Postgrad Med** 1986 Oct; 32(4):219–24

Intestinal helminthiasis and nutritional status including iron, zinc and copper in Papua New Guinea urban children aged 1 to 5 years and effect of anthelmintic intervention. Shield J, et al. **Papua New Guinea Med J** 1986 Dec;29(4):317–31

Hookworm, Strongyloides and other intestinal helminths in children admitted to hospital in Lae, Papua New Guinea. Shield JM. **Papua New Guinea Med J** 1986 Sep; 29(3):225–31

A water-borne outbreak of giardiasis in Sweden. Neringer R, et al. **Scand J Infect Dis** 1987;19(1):85–90

The population dynamics and epidemiology of intestinal nematode infections. Anderson RM. **Trans R Soc Trop Med Hyg** 1986;80(5):686–96 (40 ref.)

Epidemiological aspects of Trichuris and trichuriasis in Caribbean communities. Bundy DA. **Trans R Soc Trop Med Hyg** 1986;80(5):706–18 (71 ref.)

The prevalence and intensity of intestinal parasites in two Somalian communities. Ilardi I, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):336–8

Morbidity in preschool Giardia cyst excretors. Walia BN, et al. **Trop Geogr Med** 1986 Dec;38(4):367–70

[Epidemiological study of intestinal helminthiasis in 4 Barombi villages (Cameroon-South-West Province)] Couprie B, et al. **Bull Soc Pathol Exot Filiales** 1986;79(5 Pt 2):739–44 (Eng. Abstr.) **(Fre)**

[Intestinal parasitic diseases of school children in the Republic of Niger] Develoux M, et al. **Bull Soc Pathol Exot Filiales** 1986;79(4):571–5 (Eng. Abstr.) **(Fre)**

[Cryptosporidiosis in immunocompetent patients. Epidemiology and clinical picture] Steeb S, et al. **Dtsch Med Wochenschr** 1987 Jun 19;112(25):990–4 (Eng. Abstr.) **(Ger)**

[Recent prevalence of intestinal parasites in the inhabitants of Tokyo and neighboring areas] Kado K, et al. **Kansenshogaku Zasshi** 1986 Dec;60(12):1317–23 (Eng. Abstr.) **(Jpn)**

[Incidence of Lamblia intestinalis infection among children aged 3–18 years hospitalized between 1975 and 1982] Gruszczyński J, et al. **Wiad Lek** 1986 Jun 1;39(11):729–33 (Eng. Abstr.) **(Pol)**

[Nutritional anemia and intestinal parasitosis in children under 5] Sigulem DM, et al. **Rev Paul Med** 1985 Nov–Dec; 103(6):308–12 (Eng. Abstr.) **(Por)**

[The incidence of intestinal parasites in schoolchildren in Dragačevo] Petrović Z, et al. **Glas Srp Akad Nauka [Med]** 1985;(37):15–20 **(Scc)**

[The incidence of intestinal parasites in schoolchildren in Kragujevac and the surrounding region] Radović M, et al. **Glas Srp Akad Nauka [Med]** 1985;(37):1–8 **(Scc)**

[The incidence of intestinal parasites in schoolchildren in the Pljevalja region] Radović M, et al. **Glas Srp Akad Nauka [Med]** 1985;(37):9–13 **(Scc)**

[Intestinal parasitic diseases in child day care centers in the District of Martin (a comparative study after 15 years)] Straka S, et al. **Bratisl Lek Listy** 1986 Nov;86(5):491–500 (Eng. Abstr.) **(Slo)**

[Intestinal parasites in persons coming to the Central Slovakia Region from the tropics and subtropics (1981–1985)] Straka S, et al. **Cesk Epidemiol Mikrobiol Imunol** 1987 Apr; 36(2):93–103 (Eng. Abstr.) **(Slo)**

[Epidemiological study of intestinal protozoiasis and helminthiasis in 490 chronic patients of the Psychiatric Hospital of Putaendo. V Region, Chile, 1985] Cornejo J, et al. **Bol Chil Parasitol** 1985 Jul–Dec;40(3–4):91–3 (Eng. Abstr.) **(Spa)**

[Enteroparasitosis in school children of Chonchi and its relation with some factors of basic sanitation. Insular Chiloé, X Region, Chile] Figueroa L, et al. **Bol Chil Parasitol** 1985 Jul–Dec;40(3–4):94–6 (Eng. Abstr.) **(Spa)**

[Intestinal parasitoses in Guatemalan refugees and in the rural Mexican population in Chiapas] Martínez García C, et al. **Salud Publica Mex** 1987 Jan–Feb;29(1):33–40 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Prevalence of intestinal parasitic disease agents in stools of people in a rural area of Nigeria. Alakija W. **Ann Trop Med Parasitol** 1986 Oct;80(5):545–7

Cryptosporidium-associated diarrhoea in children. Wittenberg DF, et al. **Ann Trop Paediatr** 1987 Jun; 7(2):113–7

Cryptosporidium sp.: experimental infection in Syrian golden hamsters. Kim CW. **Exp Parasitol** 1987 Apr;63(2):243–6

Effects of marine mammal parasites on human health. Oshima T, et al. **Int J Parasitol** 1987 Feb;17(2):415–21 (49 ref.)

Cryptosporidium search in idiopathic inflammatory bowel disease [letter] Allison MC, et al. **J Clin Gastroenterol** 1987 Jun;9(3):365

The pathogenesis of benzimidazole-resistant and benzimidazole-susceptible strains of Trichostrongylus colubriformis in the Mongolian gerbil (Meriones unguiculatus). Maclean JM, et al. **J Helminthol** 1987 Jun; 61(2):179–89

Experiments on habitat selection of Heterophyes species in different definitive hosts. Taraschewski H. **J Helminthol** 1987 Mar;61(1):33–42

Anaphylaxis-mediated epithelial Cl- secretion and parasite rejection in rat intestine. Harari Y, et al. **J Immunol** 1987 Feb 15;138(4):1250–5

Infection dynamics of Cryptosporidium parvum (Apicomplexa: Cryptosporiidae) in neonatal mice (Mus musculus). Ernest JA, et al. **J Parasitol** 1986 Oct; 72(5):796–8

Oral transfer of Strongyloides ratti adult worms to mice. Grove DI, et al. **J Parasitol** 1987 Apr;73(2):424–5

Glucose absorption in vitro by the enteric stages of Trichinella spiralis. Stewart GL, et al. **Parasitology** 1986 Dec;93 (Pt 3):581–6

[Pentastomiasis in Costa Rica caused by Linguatula serrata and its differential diagnosis from L. recurvata] Arroyo R, et al. **Rev Latinoam Microbiol** 1986 Apr–Jun; 28(2):157–66 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Sigmoidoscopy in children with chronic mucoid diarrhoea in rural St. Lucia. Venugopal S, et al. **Ann Trop Paediatr** 1987 Jun;7(2):104–8

The response of the intestinal epithelium in B10.A mice to infection with Trichinella spiralis. Dunn IJ, et al. **J Parasitol** 1987 Aug;73(4):712–22

Suppression of mucosal mastocytosis by infection with the intestinal nematode Nematospiroides dubius. Dehlawi MS, et al. **Parasite Immunol** 1987 Mar;9(2):187–94

[Giardia lamblia infection in the gerbil (Meriones unguiculatus): an animal model] Lu SQ. **Chung Hua I Hsueh Tsa Chih** 1986 Mar;66(3):157–8, 189 (Eng. Abstr.) **(Chi)**

PHYSIOPATHOLOGY

Altered calcium-handling properties of jejunal smooth muscle from the nematode-infected rat. Fox-Robichaud AE, et al. **Gastroenterology** 1986 Dec;91(6):1462–9

Pathophysiology of parasitic infections. Holmes PH. **Parasitology** 1987;94 Suppl:S29–51 (150 ref.)

PREVENTION & CONTROL

The epidemiology and control of intestinal helminths in the Pulicat Lake region of Southern India. I. Study design and pre- and post-treatment observations on Ascaris lumbricoides infection. Elkins DB, et al. **Trans R Soc Trop Med Hyg** 1986;80(5):774–92

Prevention and control of intestinal parasitic infections. Report of a WHO Expert Committee. **WHO Tech Rep Ser** 1987;749:1–86

TRANSMISSION

Gastrointestinal zoonoses. Willard MD, et al. **Vet Clin North Am [Small Anim Pract]** 1987 Jan; 17(1):145–78 (182 ref.)

VETERINARY

Occurrence of two new Goussia species in the intestine of the sterlet (Acipenser ruthenus). Molnár K. **Acta Vet Hung** 1986;34(3–4):169–74

Intestinal parasites in pet store puppies in Atlanta. Stehr-Green JK, et al. **Am J Public Health** 1987 Mar; 77(3):345–6

Efficacy of fenbendazole-medicated feed blocks against gastrointestinal nematode infections in calves. Blagburn BL, et al. **Am J Vet Res** 1987 Jun;48(6):1017–9

Efficacy of a morantel sustained-release bolus for the control of gastrointestinal nematodes in Florida dairy heifers. Bradley RE, et al. **Am J Vet Res** 1986 Nov;47(11):2385–8

Efficacy of dichlorvos, fenbendazole, and ivermectin in swine with induced intestinal nematode infections. Marchiondo AA, et al. **Am J Vet Res** 1987 Aug;48(8):1233–5

Nodular typhlitis in pheasants caused by Heterakis isolonche. Callinan RB. **Aust Vet J** 1987 Feb;64(2):58–9

The availability of strongylid larvae to grazing cattle in the wet tropical region of northern Queensland. Fabiyi JP, et al. **Aust Vet J** 1986 Aug;63(8):266–8

A simplified faecal egg count reduction test. Vizard AL, et al. **Aust Vet J** 1987 Apr;64(4):109–11

Some parasitic diseases of intensively managed west African dwarf sheep and goats in Nsukka, eastern Nigeria. Chiejina SN. **Br Vet J** 1987 May–Jun;143(3):264–72

Pathogenesis of neurological signs associated with bovine enteric coccidiosis: a prospective study and review. Isler CM, et al. **Can J Vet Res** 1987 Apr;51(2):261–70

Labile neurotoxin in serum of calves with "nervous" coccidiosis. Isler CM, et al. **Can J Vet Res** 1987 Apr; 51(2):253–60

Anthelmintics for ruminants. Bogan J, et al. **Int J Parasitol** 1987 Feb;17(2):483–91 (31 ref.)

Pathophysiology of nematode infections. Holmes PH. **Int J Parasitol** 1987 Feb;17(2):443–51 (73 ref.)

Ectoparasites and gastrointestinal parasites of nomadic cattle infiltrating into Kainji Lake National Park Nigeria. Okaeme AN. **Int J Zoonoses** 1986 Mar;13(1):40–4

Prevalence and public health implications of Echinococcus granulosus in rural dogs in Eastern Nigeria. Okolo MI. **Int J Zoonoses** 1986 Mar;13(1):19–24

Laboratory diagnosis of Giardia duodenalis infection in dogs. Baker DG, et al. **J Am Vet Med Assoc** 1987 Jan 1; 190(1):53–6

Evaluation of ivermectin paste in the treatment of ponies for Parascaris equorum infections. DiPietro JA, et al. **J Am Vet Med Assoc** 1987 May 1;190(9):1181–3

Enteric cryptosporidial infection in pigs: 184 cases (1981–1985). Sanford SE. **J Am Vet Med Assoc** 1987 Mar 15;190(6):695–8

Efficacy of Levamisol on milk production of dairy cows: a field study. Block E, et al. **J Dairy Sci** 1987 May; 70(5):1080–5

Acanthocephala from lake fishes in Wisconsin: ecology and host relationships of Pomphorhynchus bulbocolli (Pomphorhynchidae). Amin OM. **J Parasitol** 1987 Apr; 73(2):278–89

Description of the goose coccidium Eimeria stigmosa (Klimeš, 1963), with evidence of intranuclear development. Gajadhar AA, et al. **J Parasitol** 1986 Aug;72(4):588–94

Polymorphism of eimerian oocysts: a dilemma posed by working with some naturally infected hosts. Parker BB, et al. **J Parasitol** 1986 Aug;72(4):602–4

A survey in Louisiana of intestinal helminths of ponies with little exposure to anthelmintics. Torbert BJ, et al. **J Parasitol** 1986 Dec;72(6):926–30

A redescription of the life cycle of Eimeria mitis Tyzzer, 1929. Novilla MN, et al. **J Protozool** 1987 Feb;34(1):87–92

Field evaluation of the oxfendazole pulse release bolus for the chemoprophylaxis of bovine parasitic gastroenteritis: a comparison with three other control strategies. Jacobs DE, et al. **J Vet Pharmacol Ther** 1987 Mar;10(1):30–6

The first record of Brevistriata bergerardi Durette-Desset, 1970 from an asiatic chipmunk, Tamias sibiricus lineatus Siebold, in Hokkaido, Japan. Asakawa M, et al. **Jpn J Vet Res** 1986 Oct;34(3–4):291–4

Studies on the parasite fauna of Thailand. 6. Three new heligmonellid nematodes from Père David's vole, Eothenomys melanogaster (Milne-Edwards). Asakawa M, et al. **Jpn J Vet Res** 1986 Oct;34(3–4):219–31

A new genus of the intestinal nematode, Lagostrongylus (Heligmonellidae) from lagomorphs: a review of related genera of subfamilies Heligmonellinae and Brevistriatinae. Fukumoto S, et al. **Jpn J Vet Res** 1986 Oct;34(3–4):241–50

Ohbayashinema abei sp. n. (Nematoda: Heligmosomidae) from the northern pika, Ochotona hyperborea Pallas, in Hokkaido, Japan. Fukumoto S, et al. **Jpn J Vet Res** 1986 Oct;34(3–4):233–40

Morphological study of the synlophe of the intestinal nematode, Heligmonella leporis (Schulz, 1931) Durette-Desset, 1971 (Heligmonellidae: Trichostrongyloidea) from lagomorphs in Japan. Fukumoto S, et al. **Jpn J Vet Res** 1986 Oct;34(3–4):203–17

A survey of abomasal and duodenal nematodes in cattle in Hokkaido, Japan. Oku Y, et al. **Jpn J Vet Res** 1987 Apr; 35(2):67–72

The relation of climate and topography to gastro-intestinal nematode worm egg counts of Angora goats in the Eastern Cape. McCulloch B, et al. **Onderstepoort J Vet Res** 1986 Sep;53(3):167–77

The effect of Trichostrongylus tenuis on the caecal mucosa of young, old and anthelmintic-treated wild red grouse, Lagopus lagopus scoticus. Watson H, et al. **Parasitology** 1987 Apr;94 (Pt 2):405–11

Invasion of Salmonella typhimurium into the cecal wall of gnotobiotic chickens with Eimeria tenella. Fukata T, et al. **Poult Sci** 1987 Apr;66(4):760–1

Gut stasis in chickens infected with Eimeria. McKenzie ME, et al. **Poult Sci** 1987 Feb;66(2):264–9

Pathophysiological and parasitological studies on Cooperia oncophora infections in calves. Armour J, et al. **Res Vet Sci** 1987 May;42(3):373–81

Regulation of Trichostrongylus vitrinus and T colubriformis populations in naturally infected sheep in the Netherlands. Eysker M. **Res Vet Sci** 1987 May;42(3):267–71

Patterns of infection with Buxtonella sulcata in British cattle. Fox MT, et al. **Res Vet Sci** 1986 Jul;41(1):90–2

Prevalence of parasite eggs and cysts in faeces from dairy cows in Colombia. Griffiths IB, et al. **Trop Anim Health Prod** 1986 Aug;18(3):155–7

Helminth immunity and vaccines in sheep. Neilson JT. **Vet Clin North Am [Food Anim Pract]** 1986 Nov; 2(3):759–64

The immune response of a marine teleost, Pseudopleuronectes americanus, (winter flounder) to the protozoan parasite Glugea stephani. Laudan R, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):403–12

Merogony and gametogony of Eimeria mccordocki (Protozoa-Eimeriidae) in the mule deer, Odocoileus h. hemionus. Abbas B, et al. **Vet Parasitol** 1987 Apr; 24(1–2):1–5

Relationship between cytologic changes in bronchoalveolar lavage fluid and weight gain in calves with gastrointestinal nematodes and lungworms. Boon JH, et al. **Vet Parasitol** 1987 May;24(3–4):251–61

Evaluation of the parasitological and production responses of a cow/calf operation to an anthelmintic program with ivermectin. Ciordia H, et al. **Vet Parasitol** 1987 Feb; 23(3–4):265–71

Evaluation of the morantel sustained release bolus in cows and calves. Ciordia H, et al. **Vet Parasitol** 1987 Apr; 24(1–2):75–86

The prophylactic effect of ivermectin treatment of calves, three weeks after turnout, on gastro-intestinal helminthiasis. Eysker M. **Vet Parasitol** 1986 Nov; 22(1–2):95–103

Comparison of two control systems for cyathostome infections in the horse and further aspects of the epidemiology of these infections. Eysker M, et al. **Vet Parasitol** 1986 Nov;22(1–2):105–12

Epidemiology of gastrointestinal nematodes of sheep and goats in Haryana, India. Gupta RP, et al. **Vet Parasitol** 1987 Apr;24(1–2):117–27

Photodynamic action of erythrosin B as a toxic mechanism for infective larvae of bovine gastrointestinal nematodes. Hawkins JA, et al. **Vet Parasitol** 1986 Oct;21(4):265–70

Forecasting parasitic gastroenteritis in lambs. Paton G, et al. **Vet Parasitol** 1987 May;24(3–4):305–11

Efficacy of toltrazuril against intestinal and hepatic coccidiosis in rabbits. Peeters JE, et al. **Vet Parasitol** 1986 Nov;22(1–2):21–35

Effect of Raillietina echinobothrida infection on blood values and intestinal tissues of domestic fowls of Bangladesh. Samad MA, et al. **Vet Parasitol** 1986 Oct;21(4):279–84

Efficacy of morantel sustained release bolus against gastrointestinal nematodes in first season grazing Holstein calves. Syhre DR, et al. **Vet Parasitol** 1987 Feb; 23(3–4):223–35

A method for the interpretation of parasite egg counts in faeces of sheep. Tarazona JM. **Vet Parasitol** 1986 Nov; 22(1–2):113–9

Prevalence of internal parasites in horses in critical tests of activity of parasiticides over a 28-year period (1956–1983) in Kentucky. Tolliver SC, et al. **Vet Parasitol** 1987 Feb; 23(3–4):273–84

Control of gastrointestinal parasitism in calves in Sweden over six years using the morantel sustained release bolus. Törnquist M, et al. **Vet Parasitol** 1987 Jun;25(1):47–60

Abomasal cryptosporidiosis in cattle. Anderson BC. **Vet Pathol** 1987 May;24(3):235–8

The peri-parturient rise in sheep. Faecal worm egg counts in normal and late lambing ewes. Jansen J. **Vet Q** 1987 Apr;9(2):97–102

Control of parasitic bronchitis and gastroenteritis in grazing cattle by strategic prophylaxis with ivermectin. Armour J, et al. **Vet Rec** 1987 Jul 4;121(1):5–8

Prevalence of nematode parasites in wild fallow deer (Dama dama). Batty AF, et al. **Vet Rec** 1987 Jun 20;120(25):599

Efficacy of an oxibendazole-trichlorfon paste formulation against third stage larvae of Gasterophilus intestinalis and its safety in horses. Bauer C, et al. **Vet Rec** 1986 Sep 20; 119(12):294–6

Melioidosis and nymphal pentastomiasis in a cat [letter] Chooi KF. **Vet Rec** 1986 Sep 20;119(12):311

Gastrointestinal nematodes in captive roan and sable antelope. Church NW. **Vet Rec** 1986 Oct 18;119(16):406–7

Control of parasitic gastroenteritis in calves with the morantel sustained release bolus: effect of prior grazing with adult cattle. Fox MT, et al. **Vet Rec** 1987 Jul 11; 121(2):42–3

Control of gastrointestinal nematodes in dairy heifers by two strategic treatments with ivermectin. Herd RP, et al. **Vet Rec** 1987 Apr 25;120(17):406–9

Early season parasitic gastroenteritis in calves and its prevention with ivermectin. Jacobs DE, et al. **Vet Rec** 1987 Jan 10;120(2):29–31

Observations on the pattern of nematode larval availability on pasture grazed annually by cattle, 1959 to 1985. Lancaster MB, et al. **Vet Rec** 1987 May 23;120(21):502–3

The distribution of inhibited early third stage Cyathostominae larvae in the large intestine of the horse. Eysker M, et al. **Z Parasitenkd** 1986;72(6):815–20

Gastro-intestinal helminths of donkeys in Burkina Faso. Vercruysse J, et al. **Z Parasitenkd** 1986;72(6):821–5

[Control of digestive strongylosis in small ruminants in the French West Indies: development of benzimidazole resistance and value of the reasoned management of pastures] Gruner L. **Rev Elev Med Vet Pays Trop** 1985; 38(4):386–93 (Eng. Abstr.) **(Fre)**

[Effectiveness of ivermectin in Strongyloides westeri cases in foals] Köhler M, et al. **Angew Parasitol** 1986 Aug; 27(3):181–6 (Eng. Abstr.) **(Ger)**

[The modified Johnson-Reid method—a practice model for coccidiosis monitoring in the fattening of young fowl?] Schmid HP. **Tierarztl Prax** 1987;15(1):37–42 (32 ref.) (Eng. Abstr.) **(Ger)**

INTESTINAL FISTULA

Aortoenteric fistula [letter] Fesmire FM. **Ann Emerg Med** 1987 Apr;16(4):475–6

Nephrocolic fistula. Karamchandani MC, et al. **Dis Colon Rectum** 1986 Nov;29(11):747–9

A method of collecting the effluent from complicated fistula of the small intestine. Betancourt S. **Surg Gynecol Obstet** 1986 Oct;163(4):375

COMPLICATIONS

Clinical spectrum of patients with infrarenal aortic grafts and gastrointestinal bleeding. Yeager RA, et al. **Am J Surg** 1987 May;153(5):459–61

Fistula and sinus formation in xanthogranulomatous pyelonephritis. A clinicopathological review and report of four cases. Parsons MA, et al. **Br J Urol** 1986 Oct; 58(5):488–93

Free perforation of benign gastrojejunocolic and gastrocolic fistula. Report of two cases. Schein M. **Dis Colon Rectum** 1987 Sep;30(9):705–6

Duodenal fistulas in Crohn's disease. Klein S, et al. **J Clin Gastroenterol** 1987 Feb;9(1):46–9

Sigmoidovesicular fistula in a hemophiliac with diverticular disease. Parker S, et al. **J Clin Gastroenterol** 1986 Aug; 8(4):461–5

Localized hypertrophic osteoarthropathy due to arterial graft sepsis from an enteroprosthetic fistula. Voiriot P, et al. **Rev Infect Dis** 1987 Mar-Apr;9(2):376–81

Colonic perforation—a complication of benign gastrocolic fistula. A case report. Schein M, et al. **S Afr Med J** 1987 Jan 24;71(2):119

[Colonic fistulas in pancreatitis] Jensen KH, et al. **Ugeskr Laeger** 1987 May 18;149(21):1395–6 (Eng. Abstr.) **(Dan)**

[Hemorrhagic bilio-digestive fistulas (apropos of a new case)] M'Jahed A, et al. **Maroc Med** 1986 Sep;8(3):391–6 (Eng. Abstr.) **(Fre)**

[Aorto-enteric fistula. A rare but significant cause of gastrointestinal bleeding] Kogel H, et al. **Dtsch Med Wochenschr** 1986 Dec 5;111(49):1892–6 (30 ref.) **(Ger)**

[A case of gastrojejunocolic fistula complicating fatty liver similar to alcoholic hepatitis] Aramaki T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Aug;83(8):1530–4 **(Jpn)**

[Acute hepatorenal failure in external intestinal fistula] Arbuliev MG, et al. **Klin Khir** 1987;(2):8–10 (Eng. Abstr.) **(Rus)**

[Massive upper digestive hemorrhage caused by a cavo-duodenal fistula: an unusual cause of fatal outcome in cancer of the colon (letter)] Hernández Barceló JE, et al. **Med Clin (Barc)** 1986 Sep 20;87(8):349 **(Spa)**

CONGENITAL

[Gastrocolic fistula in a neonate] Beran I, et al. **Cesk Pediatr** 1986 Aug;41(8):491–2 **(Cze)**

DIAGNOSIS

Persistent appendiceal-sigmoid fistula. Dent TL, et al. **Arch Surg** 1968 Feb;96(2):309–11

Hepato-duodenal fistula. Gupta RK, et al. **Eur J Radiol** 1987 May;7(2):151–2

Enterovesical fistula due to Crohn's disease masquerading as bladder tumor. Yamamoto M, et al. **Hinyokika Kiyo** 1986 Aug;32(8):1141–3

Spontaneous colo-cutaneous fistula in neonate. Katakwar PN, et al. **Indian J Pediatr** 1987 Mar-Apr;54(2):279–80

Split notochord syndrome presenting with meningomyelocoele and dorsal enteric fistula. Gupta DK, et al. **J Pediatr Surg** 1987 Apr;22(4):382–3

Colo-ovarian fistula: a report of two cases. Gilks CB, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):533–7

Appendicovaginal fistula and primary appendiceal cystadenocarcinoma. Kneece SM, et al. **South Med J** 1987 Jul;80(7):914–6

[Clinical assessment of para-ampulla choledocho-duodenal fistulae in 27 cases] Dai XZ, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Nov;25(11):655–7, 700–1 (Eng. Abstr.) **(Chi)**

[Diverticular abscess: demonstration of a colonic fistula in ultrasonography and success of percutaneous drainage (letter)] Joly JP, et al. **Gastroenterol Clin Biol** 1987 Jan; 11(1):96–7 **(Fre)**

[Colonoscopic trans-fistular cholecystoscopy (letter)] Waltke HJ, et al. **Dtsch Med Wochenschr** 1987 May 22;112(21):862 **(Ger)**

[Sonographic detection of fistulas in Crohn disease] Seitz K, et al. **Ultraschall Med** 1986 Dec;7(6):281–3 (Eng. Abstr.) **(Ger)**

[Sigmoidovaginal fistula. Report of 3 cases] Safatle NF, et al. **Rev Paul Med** 1986 Jul-Aug;104(4):221–3 (Eng. Abstr.) **(Por)**

DRUG THERAPY

Blind evaluation of the effect of octreotide (SMS 201–995), a somatostatin analogue, on small-bowel fistula output. Nubiola-Calonge P, et al. **Lancet** 1987 Sep 19;2(8560):672–4

Small bowel fistulas treated with somatostatin: preliminary results. Geerdsen JP, et al. **Surgery** 1986 Nov;100(5):811–4

[Duodenal fistula. Treatment with small doses of somatostatin (letter)] Gabry AL, et al. **Presse Med** 1987 Jul 4;16(26):1288 **(Fre)**

ETIOLOGY

Duodenohepatic fistula: a rare complication of amebic hepatic abscess. A case report. Duus BR, et al. **Acta Chir Scand** 1986 Dec;152:769–71

Choledochoduodenal fistula: a rare complication of peptic ulcer disease. Fowler CL, et al. **Am J Gastroenterol** 1987 Mar;82(3):269–71

Amebic liver abscess with hepatoduodenal fistula. Mowji PJ, et al. **Am J Gastroenterol** 1987 Jun;82(6):558–9

Arteriointestinal fistula: report of a case following surgery for trauma. Dorazio RA. **Angiology** 1975 Jul-Aug; 26(7):567–8

Secondary arterio-enteric fistulae: a surgical challenge. Umpleby HC, et al. **Br J Surg** 1987 Apr;74(4):256–9

Enterovesical fistula due to a Dacron aortic graft. Williams GT, et al. **Br J Surg** 1987 Jul;74(7):645–6

Abdominal visceral perforation secondary to electrical injury: case report and review of the literature. Miller FE, et al. **Burns Incl Therm Inj** 1986 Oct;12(7):505–7

Iatrogenic duodenocolic fistula. Lopez MJ, et al. **Can J Surg** 1986 Nov;29(6):439–41

Spontaneous healing of a gastro-colic fistula due to a benign gastric ulcer. McCullough KM, et al. **Clin Radiol** 1987 Jul;

38(4):431–3
Malignant duodenocolic fistula. Report of a case and review of the literature. Barton DJ, et al. **Dis Colon Rectum** 1987 Aug;30(8):636–7
Colocutaneous fistulas complicating diverticulitis. Fazio VW, et al. **Dis Colon Rectum** 1987 Feb;30(2):89–94
The management of Crohn's colitis with colonogastric fistula. Report of a case. Logio T, et al. **Dis Colon Rectum** 1987 Sep;30(9):699–704
Does local intestinal ascorbate deficiency predispose to fistula formation in Crohn's disease. Pettit SH, et al. **Dis Colon Rectum** 1987 Jul;30(7):552–7
Upper gastrointestinal hemorrhage associated with fistula formation in the duodenum due to a catheter placed in the hepatic artery [letter] Muñoz-Navas M, et al. **Endoscopy** 1987 Jan;19(1):46
Double channel pylorus as a complication of carcinoma of the stomach. Fine M, et al. **Gastrointest Endosc** 1987 Feb; 33(1):39–41
Fistula from the superior mesenteric artery to duodenum: a rare cause of death from pancreatic carcinoma. Thorstad BL, et al. **Gastrointest Radiol** 1987;12(3):200–2
Choledochocolonic fistula—a rare complication of cholangiocarcinoma. Rawas MM, et al. **J Can Assoc Radiol** 1987 Jun;38(2):139–40
An unusual case of duodenocolic fistula. Ross WB. **J R Coll Surg Edinb** 1986 Dec;31(6):375–6
Enterovesical fistula secondary to mucinous adenocarcinoma of appendix. Dalton DP, et al. **J Urol** 1987 Sep;138(3):617–8
Colocutaneous fistula: an unusual complication of percutaneous endoscopic gastrostomy. Saltzberg DM, et al. **JPEN J Parenter Enteral Nutr** 1987 Jan–Feb;11(1):86–7
Bronchocolic fistula in a splenectomized thalassemic boy. Di Bella D, et al. **Rays** 1985 May–Aug;10(2):29–33
Pyloroduodenal fistula—a benign complication of peptic ulcer disease. A report of 2 cases. Hurwitz J, et al. **S Afr Med J** 1987 Jul 4;72(1):56–8
Iliac arterial–enteric fistulas occurring after pelvic irradiation. Vetto JT, et al. **Surgery** 1987 May;101(5):643–7
A pseudotumor of the urinary bladder secondary to diverticulitis of the sigmoid colon with colo–vesical fistula: a case report. Kitamura M, et al. **Urol Int** 1987;42(3):234–6
[Exposed fistula of the small intestine, a complication of peritonitis or laparotomy. Apropos of 120 cases] Levy E, et al. **Ann Chir** 1986 Apr;40(3):184–95 (Eng. Abstr.) **(Fre)**
[Pitfalls in obturator hernia. A few comments apropos of a case] Barbin JY, et al. **Chirurgie** 1986;112(9):610–5 (Eng. Abstr.) **(Fre)**
[Benign duodenocolic fistula caused by solitary diverticulum of the right colon] Chaland P, et al. **Chirurgie** 1986; 112(10):746–50 (Eng. Abstr.) **(Fre)**
[Ureteroduodenal fistula after nephrectomy. Apropos of a case (letter)] Bories-Azeau L, et al. **J Chir (Paris)** 1986 Dec;123(12):753–4 **(Fre)**
[Therapeutic attitude in choledocoduodenal fistulas complicating duodenal ulcer] Dewulf E, et al. **J Chir (Paris)** 1987 Jan;124(1):19–23 (Eng. Abstr.) **(Fre)**
[Nephro–colo–jejunal fistula. A rare complication of percutaneous nephrolithotomy (letter)] Cornud F, et al. **Presse Med** 1987 Mar 7;16(8):398 **(Fre)**
[A case of vesicosigmoidal fistula secondary to diverticulitis of the colon] Komeda H, et al. **Hinyokika Kiyo** 1987 Apr; 33(4):600–4 (Eng. Abstr.) **(Jpn)**
[Rare complications of peptic ulcers of the digestive tract] Borisov BF, et al. **Klin Khir** 1986;(8):74–5 **(Rus)**
[Intestinal fistulas after appendectomy] Ender EB, et al. **Sov Med** 1986;(7):107–9 **(Rus)**
[Stercoral fistulae in pancreatitis] Cársky S, et al. **Rozhl Chir** 1987 Apr;66(4):261–4 (Eng. Abstr.) **(Slo)**
[Retrovesical hydatic cyst with spontaneous fistulization to the sigmoid] Burgos FJ, et al. **Actas Urol Esp** 1986 Sep–Oct; 10(5):367–70 (Eng. Abstr.) **(Spa)**
[Double pylorus (antrobulbar fistula) associated with peptic ulcer] Cosme Jiménez A, et al. **Rev Esp Enferm Apar Dig** 1986 Sep;70(3):257–8 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Primary aortoduodenal fistula—report of an autopsy case. Yano H, et al. **Gastroenterol Jpn** 1987 Apr;22(2):218–21
[Morphologic changes in the liver as affected by small intestine fistulae] Iukhtin VI, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):606–9 (Eng. Abstr.) **(Rus)**
[External ileorectal fistula not completely removed during appendectomy] Papazov FK, et al. **Klin Khir** 1987;(2):37–8 **(Rus)**

PHYSIOPATHOLOGY

Influence of a jejunal fistula on gastric emptying. Morrison PD, et al. **Eur Surg Res** 1987;19(4):241–5

PREVENTION & CONTROL

[Technic of banding the aortic anastomosis] Gullà P, et al. **Minerva Chir** 1987 Apr 15;42(7):617–9 (Eng. Abstr.) **(Ita)**
[Exclusion of the duodenum for the purpose of preventing duodenal fistula] Colović R. **Srp Arh Celok Lek** 1986 Oct; 114(10):969–73 (Eng. Abstr.) **(Scc)**

RADIOGRAPHY

Colonic gallstone obstruction: routes of entry [letter] Pender DJ. **Br J Hosp Med** 1987 Jun;37(6):557
Enterobronchial fistula. Richterman RL, et al. **Gastrointest Radiol** 1987;12(3):194–6
Bouveret's syndrome. Diagnostic considerations. Cooper SG, et al. **JAMA** 1987 Jul 10;258(2):226–8
Malignant duodenocolic fistula [letter] Schuurman AH, et al. **Neth J Surg** 1986 Dec;38(6):188–9
Enterovesical fistula. Sarr MG, et al. **Surg Gynecol Obstet** 1987 Jan;164(1):41–8
[A perineal fistula of unusual origin] Boumghar M. **Schweiz Rundsch Med Prax** 1986 Sep 2;75(36):1056–9 (Eng. Abstr.) **(Fre)**

SURGERY

Colovesical fistula. Pollard SG, et al. **Ann R Coll Surg Engl** 1987 Jul;69(4):163–5
Persistent postoperative enterocutaneous fistula: pathophysiology and treatment. Hugh TB, et al. **Aust NZ J Surg** 1986 Dec;56(12):901–6
Ureteroduodenal fistula. Infantino A, et al. **Br J Surg** 1987 Jun;74(6):499
Secondary aorto–enteric fistulae: towards a more conservative approach. Thomas WE, et al. **Br J Surg** 1986 Nov;73(11):875–8
Classic articles in colonic and rectal surgery. Percivall Pott 1741–1788. The chirurgical works of Percivall Pott. **Dis Colon Rectum** 1987 Aug;30(8):651–9
Lessons learnt in the management of aortoenteric fistulae. Harris JP, et al. **J Cardiovasc Surg (Torino)** 1987 Jul–Aug; 28(4):449–52
Closure of upper gastrointestinal fistulas using a Roux–en–Y technique. Ashall G. **J R Coll Surg Edinb** 1986 Jun; 31(3):151–5
[The surgical treatment of cutaneous duodenal fistulas: the modified intestinal seromuscular patch] Li JS, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Sep;24(9):520–2, 572 (Eng. Abstr.) **(Chi)**
[Extended surgical procedure for malignant colo–jejunal fistula] Ziv Y, et al. **Harefuah** 1985 Mar 15;108(6):288–9 (Eng. Abstr.) **(Heb)**
[Treatment of patients with external intestinal fistula] Mazurik MF, et al. **Khirurgiia (Mosk)** 1987 Mar;(3):66–9 **(Rus)**
[Closure of a fistula of the duodenal stump after gastric resection] Borovyi EM, et al. **Klin Khir** 1987;(2):54 **(Rus)**
[Surgical rehabilitation of patients with external intestinal fistulas] Denisov IN, et al. **Klin Khir** 1987;(2):28–9 **(Rus)**
[Surgical tactics in undeveloped external intestinal fistulas in children] Topuzov VS, et al. **Klin Khir** 1987;(6):67–70 (63 ref.) **(Rus)**

THERAPY

The management of aortoduodenal fistula by in situ replacement of the infected abdominal aortic graft. Walker WE, et al. **Ann Surg** 1987 Jun;205(6):727–32
Management of colovesical fistula. Rao PN, et al. **Br J Surg** 1987 May;74(5):362–3
Treatment of iatrogenic biliary obstruction by balloon dilatation of a biliary jejunal fistula. Zajko AB, et al. **Cardiovasc Intervent Radiol** 1987;10(1):28–31
External gastrointestinal fistulas. Principles of management and treatment. Bergamini TM, et al. **J Ky Med Assoc** 1987 Apr;85(4):186–90
Enteral and parenteral nutrition in patients with enteric fistulas and short bowel syndrome. Rombeau JL, et al. **Surg Clin North Am** 1987 Jun;67(3):551–71
One hundred and fourteen fistulas of the gastrointestinal tract treated with total parenteral nutrition. Rose D, et al. **Surg Gynecol Obstet** 1986 Oct;163(4):345–50
[Enterocutaneous intestinal fistulas. Results with traditional and new therapeutic principles] Geerdsen JP, et al. **Nord Med** 1987;102(2):55–7 (Eng. Abstr.) **(Dan)**
[Repair of substance loss of the digestive system using a biological patch. Experimental study and application perspectives in humans] Marescaux J, et al. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(1):65–6 (Eng. Abstr.) **(Fre)**
[Ferromagnetic obturation of external biliary fistula] Frank VA. **Khirurgiia (Mosk)** 1987 May;(5):132–5 **(Rus)**
[Magnetic–fluid obturation of external intestinal fistulas] Frank VA. **Klin Khir** 1987;(2):7–8 (Eng. Abstr.) **(Rus)**

INTESTINAL HORMONE RECEPTORS see **RECEPTORS, GASTROINTESTINAL HORMONE**

INTESTINAL HORMONES see **GASTROINTESTINAL HORMONES**

INTESTINAL MOTILITY see **GASTROINTESTINAL MOTILITY**

INTESTINAL MUCOSA

Preservation of mucus in situ in rat colon. Bollard JE, et al. **Dig Dis Sci** 1986 Dec;31(12):1338–44
[Therapeutic assay of smectite in non–specific inflammations of the rectal and colonic mucosa in children. Clinical, endoscopic and histological study] Olives JP, et al. **Ann Pediatr (Paris)** 1987 Jan;34(1):89–92 (Eng. Abstr.) **(Fre)**

ANALYSIS

CCK–5: sequence analysis of a small cholecystokinin from canine brain and intestine. Shively J, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):G272–5
Plasminogen activators and tumor development in the human colon: activity levels in normal mucosa, adenomatous polyps, and adenocarcinomas. de Bruin PA, et al. **Cancer Res** 1987 Sep 1;47(17):4654–7
Changes in rectal leucocytes after allogeneic bone marrow transplantation. Dilly SA, et al. **Clin Exp Immunol** 1987 Jan;67(1):151–8
Duodenal gastrin concentration in upper gastrointestinal disorders. Hughes WS. **Dig Dis Sci** 1986 Nov;31(11):1201–6
Further characterization of an early expressed glycoprotein of the rabbit small intestinal brush border. Its interaction with some hydrolases. Gorvel JP, et al. **Eur J Biochem** 1986 Sep 15;159(3):499–505
Identical mRNA for preproglucagon in pancreas and gut. Novak U, et al. **Eur J Biochem** 1987 May 4;164(3):553–8
pH of the microclimate lining human gastric and duodenal mucosa in vivo. Studies in control subjects and in duodenal ulcer patients. Quigley EM, et al. **Gastroenterology** 1987 Jun;92(6):1876–84
Pancreas cancer associated antigen from normal colonic mucosa (PCAAc) assayed with monoclonal antibody. Kobayashi T, et al. **Immunol Lett** 1986 Oct 15;13(5):269–72
Immunochemical detection of unique proteolytic fragments of the chick 1,25–dihydroxyvitamin D3 receptor. Distinct 20–kDa DNA–binding and 45–kDa hormone–binding species. Allegretto EA, et al. **J Biol Chem** 1987 Jan 25; 262(3):1312–9
Chicken intestinal receptor for 1,25–dihydroxyvitamin D3. Immunologic characterization and homogeneous isolation of a 60,000–dalton protein. Pike JW, et al. **J Biol Chem** 1987 Jan 25;262(3):1305–11
Antigen–specific messenger RNA for immunological research: purification and characterization of RNA from intestinal epithelial cells using specific antibody. Paul JW, et al. **J Clin Lab Immunol** 1987 Feb;22(2):49–58
Colorectal goblet cell mucins in familial adenomatous polyposis. Sugihara K, et al. **J Clin Pathol** 1987 Jun; 40(6):608–11
Cellular retinol–binding protein (type two) is abundant in human small intestine. Ong DE, et al. **J Lipid Res** 1987 Jun;28(6):739–45
Solubilization of 1,25–dihydroxyvitamin D3 receptor with pyridoxal 5'–phosphate from hen intestinal mucosa. Kanda A, et al. **J Steroid Biochem** 1986 Sep;25(3):333–41
Extraction of neurotensin–like immunoreactivities from porcine ileal mucosa. Yamashita Y, et al. **Peptides** 1987 Jul–Aug;8(4):639–43
Avidin–biotin–peroxidase complex (ABC) method for immunohistochemical localization of carcinoembryonic antigen in large intestine. Troccoli R, et al. **Quad Sclavo Diagn** 1986 Mar;22(1):110–4
[Mucosubstance histochemistry of the human large intestine] Katsuyama T, et al. **Rinsho Byori** 1987 Apr;35(4):405–12 **(Jpn)**

ANATOMY & HISTOLOGY

Influence of conventionalization on small–intestinal mucosa of germ–free Wistar rats: quantitative light microscopic observations. Ishikawa K, et al. **Acta Anat (Basel)** 1986; 127(4):296–302
Analysis of adenomatous structures in histopathology. Kayser KK, et al. **Anal Quant Cytol Histol** 1987 Jun;9(3):273–8
[Status of the mucous membrane of the jejunum of the rat after desympathization] Sirotin AI. **Arkh Anat Gisto! Embriol** 1986 Sep;91(9):86–9 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Studies on the mucosal hyperaemia of the feline small intestine observed at endoluminal perfusion with substance P. Grönstad KO, et al. **Acta Physiol Scand** 1986 Sep; 128(1):97–108
Reflectance spectrophotometry for the assessment of gastroduodenal mucosal perfusion. Leung FW, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):G797–804
Intestinal arteriolar responses to mucosal and serosal applications of adenosine analogues. Proctor KG. **Circ Res** 1987 Aug;61(2):187–93
Endoscopic measurements of canine colonic mucosal blood flow using hydrogen gas clearance. Soybel DI, et al. **Gastroenterology** 1987 Apr;92(4):1045–50
Effect of somatostatin on 133Xe clearance from colonic mucosa before and after local nervous blockade in unanaesthetized man. Agerskov K, et al. **Scand J Gastroenterol** 1986 Oct;21(8):951–4
Endoscopic fluorescein flowmetry in the evaluation of gastric and duodenal mucosal blood flow. Perbeck L, et al. **Scand J Gastroenterol** 1987 May;22(4):437–42
The effect of acid perfusion on mucosal blood flow and intramural pH of rabbit duodenum. Starlinger M, et al. **Surgery** 1987 Apr;101(4):433–8
[Effect of glucagon on intestinal microcirculation] Vara–Thorbeck C, et al.

Z Exp Chir Transplant Kunstliche Organe 1986;19(5):300–4 (Eng. Abstr.) (Ger)

[Age and changes in the regional blood flow of the gastric and duodenal mucosae] Koval'chuk LA, et al. Fiziol Cheloveka 1987 Jan–Feb;13(1):73–6 (Rus)

[Microcirculatory bed of the duodenal mucosa in selective proximal vagotomy] Mel'nik AI. Vrach Delo 1986 Nov; (11):55–8 (Eng. Abstr.) (Rus)

CYTOLOGY

Development of the bovine ileal mucosa. Asari M, et al. Acta Anat (Basel) 1987;129(4):315–24

Gut mucosal mast cells: origin, traffic and differentiation in mice and rats. Guy-Grand D, et al. Ann Inst Pasteur Immunol 1986 Sep–Oct;137D(2):215–22 (26 ref.)

Histogenesis of the mouse jejunal mucosa, with special reference to proliferative cells and absorptive cells. Hirano S, et al. Arch Histol Jpn 1986 Aug;49(3):333–48

Cell position dependence of labelling thymidine nucleotides using the de novo and salvage pathways in the crypt of small intestine. Chwalinski S, et al. Cell Tissue Kinet 1986 Nov;19(6):647–59

A trophic effect of epidermal growth factor (EGF) on rat colonic mucosa in organ culture. Finney KJ, et al. Cell Tissue Kinet 1987 Jan;20(1):43–56

Circadian variation in migration velocity in small intestinal epithelium. Kaur P, et al. Cell Tissue Kinet 1986 Nov; 19(6):591–9

Cell migration velocities in the crypts of the small intestine after cytotoxic insult are not dependent on mitotic activity. Kaur P, et al. Cell Tissue Kinet 1986 Nov;19(6):601–10

Intestinal cell proliferation. I. A comprehensive model of steady-state proliferation in the crypt. Loeffler M, et al. Cell Tissue Kinet 1986 Nov;19(6):627–45

Evidence for cell generation controlled proliferation in the small intestinal crypt. Meinzer HP, et al. Cell Tissue Kinet 1986 Nov;19(6):581–90

A cytokinetic study of small-intestinal and colonic mucosa after resection of 70% of the small intestine. Senior PV, et al. Cell Tissue Kinet 1986 Sep;19(5):491–502

Adrenergic receptors and the control of cell division in the intestinal epithelium [letter] Tutton PJ. Cell Tissue Kinet 1986 Sep;19(5):577–9

The cross-ply arrangement of collagen fibres in the submucosa of the mammalian small intestine. Gabella G. Cell Tissue Res 1987 Jun;248(3):491–7

Distribution of peptide-containing neurons and endocrine cells in the rabbit gastrointestinal tract, with particular reference to the mucosa. Keast JR, et al. Cell Tissue Res 1987 Jun;248(3):565–77

A novel antigen is common to the dome epithelium of gut- and bronchus-associated lymphoid tissues. Roy MJ, et al. Cell Tissue Res 1987 Jun;248(3):635–44

Eosinophils of human colonic mucosa: C3b and Fc gamma receptor expression and phagocytic capabilities. Beeken WL, et al. Clin Immunol Immunopathol 1987 Jun; 43(3):289–300

Cell proliferation of the rat gastrointestinal mucosa after treatment with E2 prostaglandins and indomethacin. Uribe A, et al. Digestion 1987;36(4):238–45

Morphologic and biochemical evidence for a contractile cell network within the rat intestinal mucosa. Joyce NC, et al. Gastroenterology 1987 Jan;92(1):68–81

Effects of an elemental diet, inert bulk and different types of dietary fibre on the response of the intestinal epithelium to refeeding in the rat and relationship to plasma gastrin, enteroglucagon, and PYY concentrations. Goodlad RA, et al. Gut 1987 Feb;28(2):171–80

The morphogenesis of the human Paneth cell. An immunocytochemical ultrastructural study. Mathan M, et al. Histochemistry 1987;87(1):91–6

Influence of triamcinolone and somatostatin on morphometric parameters of cultured intestinal mucosa. Schneider A, et al. In Vitro Cell Dev Biol 1986 Nov; 22(11):647–52

Investigations of rat mast cell heterogeneity. Befus D, et al. Int Arch Allergy Appl Immunol 1987;82(3–4):256–8

Mutual phenotypic changes between connective tissue type and mucosal mast cells. Kitamura Y, et al. Int Arch Allergy Appl Immunol 1987;82(3–4):244–8

Involvement of serotonin in intestinal mastocytopoiesis and inflammation during a Trichinella spiralis infection in mice. Parmentier HK, et al. Int Arch Allergy Appl Immunol 1987; 83(1):31–8

Functional heterogeneity of human mast cells from different anatomic sites: in vitro responses to morphine sulfate. Tharp MD, et al. J Allergy Clin Immunol 1987 Apr; 79(4):646–53

Lymphocyte recognition of high endothelium: antibodies to distinct epitopes of an 85–95-kD glycoprotein antigen differentially inhibit lymphocyte binding to lymph node, mucosal, or synovial endothelial cells. Jalkanen S, et al. J Cell Biol 1987 Aug;105(2):983–90

Colonic pericrypt sheath cells: characterisation of cell type with new monoclonal antibody. Richman PI, et al. J Clin Pathol 1987 Jun;40(6):593–600

Mast cells from the human intestinal lamina propria. Isolation, histochemical subtypes, and functional characterization. Befus AD, et al. J Immunol 1987 Apr 15;138(8):2604–10

Growth and differentiative maturation of the rat enterocyte. D'Harlingue AE, et al. J Pediatr Gastroenterol Nutr 1986 Nov-Dec;5(6):956–63

The effect of sodium deoxycholate given by gavage with heparin on the histology of the intestinal mucosa of the rat. Guarini S, et al. J Pharm Pharmacol 1986 Dec; 38(12):922–4

Evaluation of the mitotic index of human colonic mucosa; results of two different observers. Filipponi F, et al. Pathol Res Pract 1987 Feb;182(1):67–71

Development of a monoclonal antibody specifically reactive to gastrointestinal goblet cells. Vecchi M, et al. Proc Natl Acad Sci USA 1987 May;84(10):3425–9

Mucosal mast cells: origin, kinetics and function. Buys J, et al. Wiad Parazytol 1986;32(3):209–18

[Non-epithelial, epithelium-associated cells of the fetal mucosa of the large intestine of cattle (Bos primigenius taurus)] Wille KH. Z Mikrosk Anat Forsch 1987; 101(1):61–8 (Eng. Abstr.) (Ger)

[Endocrine cells in the large intestine epithelium in various vertebrate species] Mutovkina TN, et al. Arkh Anat Gistol Embriol 1987 Apr;92(4):93–5 (Eng. Abstr.) (Rus)

[Modified technic of the lysosomal-cationic test for the quantitative and qualitative assessment of leukocytic infiltration of the mucosa of the stomach and duodenum] Golofeevskil VIu. Arkh Patol 1986;48(11):76–8 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Pathological study on mucosal changes in small intestine of rat by oral administration of ricin. I. Microscopical observation. Sekine I, et al. Acta Pathol Jpn 1986 Aug; 36(8):1205–12

Rat jejunal mucosal response to histamine and anti-histamines in vitro. Comparison with antigen-induced changes during intestinal anaphylaxis. Perdue MH, et al. Agents Actions 1986 Oct;19(1–2):5–9

Inhibition of intestinal diamine oxidase by detergents: a problem for drug formulations with water insoluble agents applied by the intravenous route? Sattler J, et al. Agents Actions 1987 Apr;20(3–4):270–3

Comparative studies on the gastrointestinal lesions caused by several nonsteroidal anti-inflammatory agents in rats. Suwa T, et al. Agents Actions 1987 Jun;21(1–2):167–72

Adaptive cytoprotection: an endoscopic study in man. Foschi D, et al. Am J Gastroenterol 1986 Nov;81(11):1035–7

Intraluminal calcium modulates lipid dynamics of rat intestinal brush-border membranes. Dudeja PK, et al. Am J Physiol 1987 Mar;252(3 Pt 1):G398–403

Indomethacin inhibits duodenal mucosal bicarbonate secretion and endogenous prostaglandin E2 output in human subjects. Selling JA, et al. Ann Intern Med 1987 Mar;106(3):368–71

Induction of microvillous fusion and pinching-off by concanavalin A. Nishihata T, et al. Biochem Biophys Res Commun 1986 Oct 30;140(2):766–72

Enzyme activities and ultrastructure of intestinal epithelium in the mouse treated with chloramphenicol. Cellesi C, et al. Boll Ist Sieroter Milan 1986;65(6):552–6

Effect of fluoride on the intestinal epithelial cell brush border membrane. Rastogi R, et al. Bull Environ Contam Toxicol 1987 Jul;39(1):162–7

Effect of cortisol on [3H] 1,25-dihydroxyvitamin D3 uptake and 1,25-dihydroxyvitamin D3-induced DNA-dependent RNA polymerase activity in chick intestinal cells. Shultz TD, et al. Calcif Tissue Int 1987 Apr;40(4):224–30

Changes in electrical potential difference of rectal mucosa and of gallbladder bile constituents of dogs fed chenodeoxycholic acid. Shoenut JP. Can J Physiol Pharmacol 1986 Aug;64(8):1115–8

Relationship between loss of rat colonic surface epithelium induced by deoxycholate and initiation of the subsequent proliferative response. Craven PA, et al. Cancer Res 1986 Nov;46(11):5754–9

Effects of puromycin, cycloheximide and noradrenaline on cell migration within the crypts and on the villi of the small intestine. A model to explain cell movement in both regions. Kaur P, et al. Cell Tissue Kinet 1986 Nov; 19(6):611–25

Insusceptibility of fetal intestinal mucosa and fetal cells to Clostridium difficile toxins. Chang TW, et al. Chung Kuo Yao Li Hsueh Pao 1986 Sep;7(5):448–53

Effects of differing purified cellulose, pectin and hemicellulose fiber diets on mucosal morphology in the rat small and large intestine. Dirks P, et al. Clin Invest Med 1987 Jan;10(1):32–8

Azodisalicylate (azodisal sodium) causes intestinal secretion. Comparative study of the effect of azodisalicylate, sulfasalazine, 5-aminosalicylic acid and sulfapyridine on the water and electrolyte transfer and the morphology of the rat ileum and colon in vivo. Goerg KJ, et al. Digestion 1987;37(2):79–87

Effect of ingested benzo[a]pyrene and cadmium on tissue accumulation, hydroxylase activity, and intestinal morphology of the black sea bass, Centropristis striata. Fair PH, et al. Environ Res 1987 Feb;42(1):185–95

Effect of oral prostaglandin E2 on DNA turnover in gastric and intestinal epithelia of the rat. Johansson C, et al. Eur J Clin Invest 1986 Dec;16(6):509–14

Histamine stimulation of canine colonic epithelium: potentiation by hydroxylamines. Rangachari PK, et al. Eur J Pharmacol 1987 Mar 31;135(3):331–5

Intestinal permeability changes in rodents: a possible mechanism for degraded carrageenan-induced colitis. Delahunty T, et al. Food Chem Toxicol 1987 Feb; 25(2):113–8

Gastroduodenal mucosal injury during hepatic arterial infusion of chemotherapeutic agents. Lack of cytoprotection by prostaglandin E1 analogue. Mavligit GM, et al. Gastroenterology 1987 Mar;92(3):566–9

Clostridium difficile cytotoxin inhibits protein synthesis in fibroblasts and intestinal mucosa. Pothoulakis C, et al. Gastroenterology 1986 Nov;91(5):1147–53

Effects of intraluminal epidermal growth factor on mucosal proliferation in the small intestine of adult rats. Ulshen MH, et al. Gastroenterology 1986 Nov;91(5):1134–40

Cytoprotective dose of prostaglandins [letter] Wilson DE. Gastroenterology 1987 Aug;93(2):434

Effects of calcium and pH on the mucosal damage produced by deoxycholic acid in the rat colon. Rafter JJ, et al. Gut 1986 Nov;27(11):1320–9

Sucralfate protection against gastrointestinal damage: possible role of prostanoids. Ligumsky M, et al. Isr J Med Sci 1986 Nov;22(11):801–6

Reduction of aspirin-induced gastroduodenal mucosal damage with ranitidine. Berkowitz JM, et al. J Clin Gastroenterol 1986 Jun;8(3 Pt 2):377–80

Influence of 5-hydroxytryptamine on crypt cell production rate of human duodenal mucosa cultured in vitro. Wheeler EE, et al. J Clin Pathol 1987 Jul;40(7):710–3

Growth retardation with chronic hyperkalemic metabolic acidosis: a consequence of selective colonic mucosa resistance to mineralocorticoid. Preeyasombat C, et al. J Med Assoc Thai 1986 Aug;69(8):438–51

The effects of Clostridium difficile crude toxins and purified toxin A on stripped rabbit ileal mucosa in Ussing chambers. Mitchell TJ, et al. J Med Microbiol 1987 May; 23(3):199–204

Evidence for tryptaminergic and noradrenergic involvement in the antisecretory action of morphine in the rat jejunum. Coupar IM, et al. J Pharm Pharmacol 1987 May;39(5):363–9

Effects of potential damaging agents on the microclimate-pH in the rat jejunum. Iwatsubo T, et al. J Pharm Sci 1986 Dec;75(12):1162–5

An endoscopic comparison of the effects of etodolac, indomethacin, ibuprofen, naproxen, and placebo on the gastrointestinal mucosa. Lanza F, et al. J Rheumatol 1987 Apr;14(2):338–41

Chronic ursodeoxycholic acid- and chenodeoxycholic acid-feeding-induced changes of colon mucosal cell proliferation in rats. Simanowski UA, et al. JNCI 1987 Jul; 79(1):163–6

Effects of prostaglandin biosynthesis inhibitors and ouabain on duodenal mucosa and HCO3- secretion in rats. Furukawa O, et al. Jpn J Pharmacol 1987 Apr;43(4):449–53

Effects of indomethacin on the duodenal mucosa of rats: comparative study with cysteamine. Tanaka H, et al. Jpn J Pharmacol 1986 Dec;42(4):539–48

Duodenal G- and D-cell changes following corticosteroid administration. Immunocytochemical long-term study in guinea pigs. Xynos E, et al. Klin Wochenschr 1987 Feb 2;65(3):110–2

Exogenous ATP-stimulated calcium uptake in isolated rat intestinal epithelial cells. Richards NW, et al. Life Sci 1987 Apr 27;40(17):1665–72

Regulation of somatostatin-14 and gastrin I binding sites in rat gastrointestinal mucosa by ulcerogenic dose of cysteamine. Rossowski WJ, et al. Life Sci 1987 May 4; 40(18):1783–9

Non-steroidal anti-inflammatory agents and the gastrointestinal tract. Somerville KW, et al. Postgrad Med J 1986 Jan;62(723):23–8 (45 ref.)

Involvement of capsaicin-sensitive mechanism(s) in the antiulcer defence of intestinal mucosa in rats. Evangelista S, et al. Proc Soc Exp Biol Med 1987 Mar;184(3):264–6

Effect of cimetidine on gastric mucosal cell proliferation in man. Svendsen LB, et al. Scand J Gastroenterol 1986 Dec; 21(10):1271–4

Effect of certain ulcer-healing agents on amphibian gastroduodenal bicarbonate secretion. Crampton JR, et al. Scand J Gastroenterol [Suppl] 1986;125:113–8

Inverse effects of colchicine on the induction of long microvillous-like processes by cytochalasin B in cultured chick embryonic duodena. Noda S. Tokai J Exp Clin Med 1986 May;11(2):107–12

Functional significance of histologic alterations induced by Escherichia coli pig-specific, mouse-negative, heat-stable enterotoxin (STb). Whipp SC, et al. Vet Res Commun 1987; 11(1):41–55

Re-examination of the effect of beta-adrenergic blocking agents on the proliferation of rat jejunal crypt cells using the stathmokinetic method. Maurer-Schultze B, et al. Virchows Arch [B] 1987;52(5):467–77

[Determination of the ergotropic effectiveness of the antibiotic nourseothricin in the raising of broiler chickens and its effect on the crude nutrient content of the carcass and length of the villi of the small intestine] Meixner B, et al. Arch Exp Veterinarmed 1986 Sep;40(5):772–9 (Eng. Abstr.) (Ger)

[Non-steroidal anti-inflammatory agents increase intestinal permeability] Auer IO, et al. Dtsch Med Wochenschr 1987 Jun 26;112(26):1032–7 (Eng. Abstr.) (Ger)

[Endoscopic evaluation of the effects of diacerhein and naproxen on the gastroduodenal mucosa] Bianchi Porro G, et al. Minerva Med 1987 Mar 31;78(6):411–3 (Eng.

Abstr.) (Ita)
[Influence of diacereine on the gastroduodenal mucosa of ulcer patients in remission and on the diuresis of cirrhosis ascites patients] Grimoldi D, et al. **Minerva Med** 1986 Nov 10;77(42–43):1989–95 (Eng. Abstr.) (Ita)
[Role of impaired regeneration of the mucosal epithelium in the pathogenesis of acute ulcers of the stomach and small intestine] Cherviak PI, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):371–3 (Eng. Abstr.) (Rus)
[Effect of the hexapeptide dalargin on ornithine decarboxylase activity in the duodenal mucosa of rats in experimental duodenal ulcer] Iarygin KN, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):319–21 (Eng. Abstr.) (Rus)
[Effect of the peripheral administration of dalargin on ornithine decarboxylase activity in the duodenal mucosa of rats with experimental duodenal ulcers] Iarygin KN, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1986;9(2):76–8 (Rus)
[Dilution of the toxic action of 5-fluorouracil on the mucosa of the small intestine in mice using the sap of plantain] Borovskaia TG, et al. **Vopr Onkol** 1987;33(7):60–4 (Eng. Abstr.) (Rus)

EMBRYOLOGY

[Fine structure of embryonal intestinal epithelium] Wille KH. **Berl Munch Tierarztl Wochenschr** 1986 Dec 1;99(12):415–8 (Eng. Abstr.) (Ger)

ENZYMOLOGY

Stimulation of ornithine decarboxylase activity in digestive tract mucosa. Jain R, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):G303–7
Hormonal regulation of postprandial induction of gastrointestinal ornithine decarboxylase activity. Seidel ER. **Am J Physiol** 1986 Oct;251(4 Pt 1):G460–6
Radiation inactivation probe of membrane-bound enzymes: gamma-glutamyltranspeptidase, aminopeptidase N, and sucrase. Stevens BR, et al. **Anal Biochem** 1986 Nov 1; 158(2):278–82
Effects of fish meal as source of protein on intestinal maltase activity and intestinal and renal leucine aminopeptidase activity of growing rats. Rebolledo E, et al. **Ann Nutr Metab** 1986;30(6):365–8
Fat feeding stimulates only one of the two mRNAs encoding rat intestinal membranous and secreted alkaline phosphatase. Seetharam S, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):363–8
Physicochemical characterization of human intestinal lactase. Lau HK. **Biochem J** 1987 Jan 15;241(2):567–72
Purification and active site modification studies on glyoxalase I from monkey intestinal mucosa. Baskaran S, et al. **Biochim Biophys Acta** 1987 Jul 7;913(3):377–85
Developmental changes in the activities of sialyl- and fucosyltransferases in rat small intestine. Chu SH, et al. **Biochim Biophys Acta** 1986 Oct 1;883(3):496–500
Regulation of intestinal mucosa guanylate cyclase by hemin, heme and protoporphyrin IX. elDeib MM, et al. **Biochim Biophys Acta** 1987 Apr 2;928(1):83–91
Some properties of the fatty alcohol oxidation system and reconstitution of microsomal oxidation activity in intestinal mucosa. Ichihara K, et al. **Biochim Biophys Acta** 1986 Oct 3;878(3):412–8
Purification of aldehyde dehydrogenase reconstitutively active in fatty alcohol oxidation from rabbit intestinal microsomes. Ichihara K, et al. **Biochim Biophys Acta** 1986 Oct 3;878(3):419–25
Subcellular localization of cholesterol ester hydrolase in the human intestine. Lechêne de la Porte P, et al. **Biochim Biophys Acta** 1987 Aug 15;920(3):237–46
Studies on the localization and properties of rat duodenal HCO3—ATPase with special relation to alkaline phosphatase. Wilkes JM, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):159–66
Enzymatic oxidation of bilirubin by intestinal mucosa. Yokosuka O, et al. **Biochim Biophys Acta** 1987 Feb 20; 923(2):268–74
The effect of thermal injury on the regulation of phosphofructokinase in the mucosa of rat small intestine. Khoja SM, et al. **Biochimie** 1987 Jan;69(1):71–3
Soluble form of acetylcholinesterase from rabbit enterocytes: comparison of its molecular properties with those of the plasma membrane species. Sine JP, et al. **Biochimie** 1987 Jan;69(1):75–80
Assessment of ornithine decarboxylase activity in rectal mucosa as a marker for colorectal adenomas and carcinomas. Moorehead RJ, et al. **Br J Surg** 1987 May; 74(5):364–5
Subcellular distribution of protein kinase C in rat colonic epithelial cells with different proliferative activities. Craven PA, et al. **Cancer Res** 1987 Jul 1;47(13):3434–8
The enzymology of intestinal disease. Goldberg DM. **Clin Biochem** 1987 Apr;20(2):63–72 (82 ref.)
Collagenase activity in colonic mucosa during inflammatory bowel disease. Horowitz IL, et al. **Clin Biochem** 1987 Apr; 20(2):79–80
Allosteric properties of phosphofructokinase from the epithelial cells of thermally injured rat small intestine. Khoja SM, et al. **Comp Biochem Physiol [B]** 1987; 87(3):469–72
On the mechanism of action of bovine intestinal mucosa 5'-nucleotide phosphodiesterase. Stereochemical evidence for a nucleotidyl-enzyme intermediate. Cummins JH, et al. **Eur J Biochem** 1987 Jan 2;162(1):123–8
Inhibition of the post-translational processing of microvillar hydrolases is associated with a specific decreased expression of sucrase-isomaltase and an increased turnover of glucose in Caco-2 cells treated with monensin. Rousset M, et al. **FEBS Lett** 1986 Nov 10;208(1):34–8
The effects of dietary cabbage on xenobiotic-metabolizing enzymes and the binding of aflatoxin B1 to hepatic DNA in rats. Whitty JP, et al. **Food Chem Toxicol** 1987 Aug; 25(8):581–7
Adaptive changes of intestinal enzymes to nutritional intake in the aging rat. Holt PP, et al. **Gastroenterology** 1987 Aug; 93(2):295–300
Generation of drug metabolite antigenicity in the intestinal mucosa. Wu C, et al. **Immunopharmacology** 1986 Aug; 12(1):53–8
Distributions and properties of cytochromes P-450 and cytochrome P-450 reductase from rat colon mucosal cells. Oshinsky RJ, et al. **Int J Biochem** 1987;19(7):575–88
Fructose-1-phosphate and fructose-1,6-bisphosphate aldolases in the small intestinal mucosa. Lerner Z, et al. **Isr J Med Sci** 1987 Mar;23(3):185–7
Intracellular pteroylpolyglutamate hydrolase from human jejunal mucosa. Isolation and characterization. Wang TT, et al. **J Biol Chem** 1986 Oct 15;261(29):13551–5
Evidence for the transit of aminopeptidase N through the basolateral membrane before it reaches the brush border of enterocytes. Massey D, et al. **J Membr Biol** 1987; 96(1):19–25
Protein malnutrition and the function and fluidity of the intestinal microvillus membrane in growing rats. Livshin L, et al. **J Nutr** 1987 Apr;117(4):684–8
A 7-year study of the diagnostic value of rectal mucosal acetylcholinesterase measurement in Hirschsprung's disease. Bonham JR, et al. **J Pediatr Surg** 1987 Feb; 22(2):150–2
Correlation between the results of oral loading tests (with xylose, lactose, saccharose) and the morphological status and enzymatic activity of small intestine mucosa in children with the malabsorption syndrome. Grodzka Z, et al. **Mater Med Pol** 1986 Apr–Jun;18(2):83–7
Effects of the components of breast milk on mucosal enzyme activity of the newborn small intestine. Jonas A, et al. **Pediatr Res** 1987 Feb;21(2):126–30
Aldehyde dehydrogenase activity of rat stomach and intestinal mucosa. Aarnio M, et al. **Prog Clin Biol Res** 1987; 232:103–9
Enzyme activities in biopsy specimens from large-bowel mucosa in ulcerative colitis. Børkje B, et al. **Scand J Gastroenterol** 1987 May;22(4):443–8
Enzyme activities in biopsy specimens from large-bowel mucosa in colorectal adenomas and carcinomas. Børkje B, et al. **Scand J Gastroenterol** 1987 Jun;22(5):533–8
Longitudinal distribution of mucosal enzymes in the human large bowel. Børkje B, et al. **Scand J Gastroenterol** 1986 Oct;21(8):919–27
Influence of remote cancer and obesity on, and distribution of mucosal enzymes in, the upper small intestine. Børkje B, et al. **Scand J Gastroenterol** 1986 Oct;21(8):928–34
Alkaline phosphodiesterase I release from eucaryotic plasma membranes by phosphatidylinositol-specific phospholipase C. II. The release from brush border membranes of porcine intestine. Nakabayashi T, et al. **Toxicon** 1986;24(10):975–84
[Experimental cancerogenesis. Stimulation of ornithine decarboxylase of the colonic mucosa in vitamin A-deficient rats by sodium desoxycholate] Daliam A, et al. **Bull Cancer (Paris)** 1986;73(3):243–50 (Eng. Abstr.) (Fre)
[Alanine aminopeptidase from small intestinal mucosa of dogs, rabbits and trout. II. Behaviour of "detergent forms"] Hütter HJ, et al. **Biomed Biochim Acta** 1986;45(7):855–63 (Eng. Abstr.) (Ger)
[Alanine aminopeptidases from small intestinal mucosa of dogs, rabbits and trout. I. Characterization of the "protease forms"] Hütter HJ, et al. **Biomed Biochim Acta** 1986; 45(7):845–53 (Eng. Abstr.) (Ger)
[A stepwise method of evaluating sugar substitutes--a preliminary study using enzymes. 3. Carbohydrases from the human jejunal mucosa] Ziesenitz SC. **Z Ernahrungswiss** 1986 Dec;25(4):253–8 (Eng. Abstr.) (Ger)
[Functional characterization of luminal enterocyte membranes of the small intestine mucosa using isolated brush border membranes] Menge H, et al. **Z Gastroenterol** 1986 Nov;24(11):681–6 (Eng. Abstr.) (Ger)
[Gamma-glutamyl transpeptidase, lactase and maltase activity in the intestinal mucosa of children with chronic diarrhea] Rujner J, et al. **Pol Tyg Lek** 1986 Sep 15; 41(37):1176–9 (Eng. Abstr.) (Pol)
[Polymorphism of enteric enzymes during growth, maturation and aging] Sabirova ElIu, et al. **Dokl Akad Nauk SSSR** 1987;293(3):760–2 (Rus)
[Circadian rhythmicity of the enzyme activity of different portions of the small intestine] Rakhimov KR, et al. **Fiziol Zh SSSR** 1986 Oct;72(10):1429–34 (Eng. Abstr.) (Rus)
[Effect of fluorine on enzyme activity in the small intestine mucosa during absorption of sodium, potassium, monosaccharides and amino acids] Grigorenko VK, et al. **Ukr Biokhim Zh** 1987 May–Jun;59(3):23–8 (Eng. Abstr.) (Rus)
[Enzyme-forming function of digestive glands after administration of polypeptide C, copepsidyl and panintestine] Storozhuk PG, et al. **Ukr Biokhim Zh** 1986 Sep–Oct;58(5):77–80 (Eng. Abstr.) (Rus)
[(ADP-ribose)n-transferase activity of enterocyte nuclei during radiation injury of small intestine mucosa in rats] Trofimiak TB, et al. **Ukr Biokhim Zh** 1986 Sep–Oct; 58(5):43–9 (Eng. Abstr.) (Rus)
[Membrane digestion in the early postoperative period during enteral tube feeding] Bondarenko VA, et al. **Vestn Khir** 1986 Dec;137(12):39–43 (Eng. Abstr.) (Rus)
[Distribution of dipeptidases in the rat small intestine] Demina TIu. **Vopr Med Khim** 1987 Mar–Apr;33(2):104–6 (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

Structural and functional maturation of rat gastrointestinal barrier with thyroxine. Israel EJ, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):G762–7
Intestinal adaptation. Different growth responses to disaccharides compared with monosaccharides in rat small bowel. Weser E, et al. **Gastroenterology** 1986 Dec; 91(6):1521–7
Stimulation of neomucosal growth by systemic urogastrone. Thompson JS, et al. **J Surg Res** 1987 Apr;42(4):402–10
Growth of intestinal neomucosa on prosthetic materials. Thompson JS, et al. **J Surg Res** 1986 Nov;41(5):484–92

IMMUNOLOGY

Measurement of mucosa-specific antibodies against gliadin by a sensitive technique using the biotin–streptavidin system. Peña AS, et al. **Acta Gastroenterol Belg** 1986 Jul–Aug;49(4):423–6
CEA and carbohydrate antigens in normal and neoplastic colon mucosa. An immunohistochemical study. Ouyang Q, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1987 Jul; 95(4):177–83
sIgA- and IgM-containing cells in the intestinal mucosa of iron-deficient rats. Perkkiö MV, et al. **Am J Clin Nutr** 1987 Aug;46(2):341–5
Multiple mediators of type I hypersensitivity reactions in epithelia [letter] Cuthbert AW, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):G443–4
The anatomical basis for the immune function of the gut. Pabst R. **Anat Embryol (Berl)** 1987;176(2):135–44 (90 ref.)
Immune sensitization to syngeneic organ-specific intestinal antigens in the Lewis rat. Haviland AE, et al. **Cell Immunol** 1986 Jul;100(2):541–54
Gut-associated lymphoid tissue as source of an IgA immune response in respiratory tissues after oral immunization and intrabronchial challenge. Weisz-Carrington P, et al. **Cell Immunol** 1987 Apr 15;106(1):132–8
Immunization of carp (Cyprinus carpio) with a Vibrio anguillarum bacterin: indications for a common mucosal immune system. Rombout JW, et al. **Dev Comp Immunol** 1986 Summer;10(3):341–51
The expression of stage-specific embryonic antigen 1 in the noncancerous colorectal epithelia of familial polyposis coli. Hara A, et al. **Dis Colon Rectum** 1987 Jun;30(6):440–3
Jejunal mucosa lymphoid cell subsets and the expression of major histocompatibility complex antigens in children. Tshibassu M, et al. **Eur J Pediatr** 1987 May;146(3):251–6
IgA1 & IgA2 distribution in the intestine. Chiba M, et al. **Gastroenterol Jpn** 1987 Feb;22(1):18–23
Intestinal cytotoxic cells [letter] Gibson PR. **Gastroenterology** 1987 Aug;93(2):437–8
Phenotypic analysis of lamina propria lymphocytes. Predominance of helper-inducer and cytolytic T-cell phenotypes and deficiency of suppressor-inducer phenotypes in Crohn's disease and control patients. James SP, et al. **Gastroenterology** 1986 Dec;91(6):1483–9
The liver and intestinal immunoglobulin A: up from the "minors"? [editorial]Kleinman RE, et al. **Gastroenterology** 1987 Sep;93(3):650–1
Human mucosal cytotoxic effector cells. Shanahan F, et al. **Gastroenterology** 1987 Jun;92(6):1951–7
Establishment of an animal model of ovalbumin sensitised mouse to study protein induced enteropathy. Malo C, et al. **Gut** 1986 Nov;27(11):1298–305
Immunopathology of guinea pig autoimmune enterocolitis induced by alloimmunisation with an intestinal protein. Némirovsky MS, et al. **Gut** 1986 Dec;27(12):1434–42
Activation of peripheral blood and intestinal lamina propria lymphocytes in Crohn's disease. In vivo state of activation and in vitro response to stimulation as defined by the expression of early activation antigens. Pallone F, et al. **Gut** 1987 Jun;28(6):745–53
Epithelial phenotypic expression of human foetal gastrointestinal mucosa: an immunohistochemical analysis. Yokozaki H. **Hiroshima J Med Sci** 1986 Sep;35(3):207–22
Specificity of a mouse monoclonal antibody raised against acute myeloid leukaemia cells for mast cells in human mucosal and connective tissues. Mayrhofer G, et al. **Immunol Cell Biol** 1987 Jun;65 (Pt 3):241–50
Strong adjuvant properties of cholera toxin on gut mucosal immune responses to orally presented antigens. Lycke N, et al. **Immunology** 1986 Oct;59(2):301–8
Mucosal lymphocytes in the rat small intestine: phenotypical

characterization in situ. van der Heijden FL. **Immunology** 1986 Nov;59(3):397–9

Determinants of the immunogenicity of live virulent and mutant Vibrio cholerae O1 in rabbit intestine. Pierce NF, et al. **Infect Immun** 1987 Feb;55(2):477–81

Binding of subclasses of rat immunoglobulin G to detergent–isolated Fc receptor from neonatal rat intestine. Hobbs SM, et al. **J Biol Chem** 1987 Jun 15;262(17):8041–6

Evidence for regulation of human colonic mucosal immunoglobulin secretion by intestinal lymphoid cells. Danis VA, et al. **J Clin Lab Immunol** 1987 Jan;22(1):7–11

Lymphocyte activation in vivo in the intestinal mucosa of patients with Crohn's disease. Konttinen YT, et al. **J Clin Lab Immunol** 1987 Feb;22(2):59–63

Intestinal immune responses in relation to diarrhoeal diseases. Rowley D, et al. **J Diarrhoeal Dis Res** 1986 Mar;4(1):1–9

Gut mucosal immunization with reovirus serotype 1/L stimulates virus–specific cytotoxic T cell precursors as well as IgA memory cells in Peyer's patches. London SD, et al. **J Exp Med** 1987 Mar 1;165(3):830–47

Cells containing IgE in the intestinal mucosa of mice infected with the nematode parasite Trichinella spiralis are predominantly of a mast cell lineage. Alizadeh H, et al. **J Immunol** 1986 Oct 15;137(8):2555–60

Immunopotentiation of the mucosa of the small intestine of weaning piglets by peptidoglycan. Sasaki T, et al. **Nippon Juigaku Zasshi** 1987 Apr;49(2):235–43

Reconstitution of mucosal mast cells in W/WV mice by adoptive transfer of bone marrow–derived cultured mast cells and its effects on the protective capacity to Strongyloides ratti–infection. Abe T, et al. **Parasite Immunol** 1987 Jan;9(1):31–8

Localization of mucosal mast cells in W/Wv mice after reconstitution with bone marrow cells or cultured mast cells, and its relation to the protective capacity to Strongyloides ratti infection. Abe T, et al. **Parasite Immunol** 1987 Jul;9(4):477–85

Limit dilution analysis of mast cell precursor frequency in the gut epithelium of normal and Trichinella spiralis infected mice. Dillon SB, et al. **Parasite Immunol** 1986 Sep; 8(5):503–11

Significance of immune responses to mucosal carcinogens: a hypothesis and a workable model system. Keren DF, et al. **Pathol Immunopathol Res** 1986;5(3–5):265–77

A sensitive method for the detection of specific antibody production in different isotypes from single lamina propria plasma cells. Lycke N. **Scand J Immunol** 1986 Oct; 24(4):393–403

Immunoglobulin A: localization in rectal mucosal epithelial cells. Gelzayd EA, et al. **Science** 1967 Aug 25; 157(3791):930–1

Neutrophil mediated and IgA dependent antibacterial immunity against enteropathogenic Escherichia coli in the porcine intestinal mucosa. Bhogal BS, et al. **Vet Immunol Immunopathol** 1987 Jan;14(1):23–44

[Food allergies in children: promoting factors] Businco L, et al. **Rev Med Suisse Romande** 1987 Apr;107(4):295–302 **(Fre)**

[The function and morphology of the immune system of the intestinal mucosa] Pohlenz J, et al. **DTW** 1987 May 7; 94(5):306–11 (102 ref.) (Eng. Abstr.) **(Ger)**

[Studies of lymphoid cell subsets of colonic mucosa in ulcerative colitis] Ohta H. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jun;83(6):1143–52 (Eng. Abstr.) **(Jpn)**

[Immunohistochemical study on IgG 4 positive cells in rectal mucosa of ulcerative colitis] Senjuh M. **Nippon Shokakibyo Gakkai Zasshi** 1987 Jan;84(1):126 **(Jpn)**

[Role of tissue antigen in modeling balantidiasis in the adult white rat] Karapetian AE, et al. **Med Parazitol (Mosk)** 1987 Mar–Apr;(2):50–1 (Eng. Abstr.) **(Rus)**

[Nonspecific protection factors of the duodenal mucosa in chronic gastroduodenitis in children] Sokolova MI, et al. **Pediatriia** 1986 Nov;(11):34–6 (Eng. Abstr.) **(Rus)**

INNERVATION

Intestinal mucosal mast cells in normal and nematode–infected rat intestines are in intimate contact with peptidergic nerves. Stead RH, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2975–9

[Significance of Meissner's plexus for the secretory function of the colonic mucosa] Goerg KJ, et al. **Z Gastroenterol** 1986 Sep;24 Suppl 3:70–8 **(Ger)**

[Neurogenic control of chloride secretion of the ileal mucosa] Schulzke JD, et al. **Z Gastroenterol** 1986 Sep;24 Suppl 3:62–9 **(Ger)**

METABOLISM

The effect of cigarette smoke on gastroduodenal mucosal endogenous prostacyclin level (experimental and clinical observations). Balint GA, et al. **Agents Actions** 1986 Nov; 19(3–4):224–7

Factors affecting the integrity of the intestinal mucosa of Gambian children. Behrens RH, et al. **Am J Clin Nutr** 1987 Jun;45(6):1433–41

Alteration of intracellular synthesis of surface membrane glycoproteins in small intestine of iron–deficient rats. Buts JP, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):G737–43

Level of alimentation and line of breeding on oxygen uptake by ovine jejunal mucosa. Rompala RE, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R398–401

A carrier–mediated system for transport of biotin in rat intestine in vitro. Said HM, et al. **Am J Physiol** 1987 Jan; 252(1 Pt 1):G52–5

Site and mechanisms of action of kinins in rat ileal mucosa. Warhurst G, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):G293–300

Collagen metabolism in small intestinal anastomosis. Jönsson K, et al. **Am J Surg** 1987 Sep;154(3):288–91

Correlation of plasma zinc and ileal enterocyte zinc in man. Clarkson JP, et al. **Ann Nutr Metab** 1987;31(4):259–64

Proton and bicarbonate transport mechanisms in the intestine. Hopfer U, et al. **Annu Rev Physiol** 1987;49:51–67 (127 ref.)

Dietary regulation of aldolase isozyme expression in rat intestinal mucosa. Sato J, et al. **Arch Biochem Biophys** 1987 Apr;254(1):116–23

Lack of effect of diet on benzpyrene metabolism by colonic mucosal homogenates from mice. Anderson LM, et al. **Arch Toxicol** 1987 Jun;60(4):334–5

Thallium(I) secretion across the isolated mucosa of rat descending colon. Schäfer SG, et al. **Arch Toxicol** 1987 Apr;59(6):413–20

Sodium–dependent, concentrative nucleoside transport in cultured intestinal epithelial cells. Jakobs ES, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):1028–35

Binding of amino beta–lactam antibiotics to soluble protein from rat intestinal mucosa—II. Mutual inhibition of binding among amino beta–lactam antibiotics and binding characteristics. Iseki K, et al. **Biochem Pharmacol** 1987 Jun 1;36(11):1843–6

Binding of amino beta–lactam antibiotics to soluble protein from rat intestinal mucosa—I. Purification of drug–binding protein. Iseki K, et al. **Biochem Pharmacol** 1987 Jun 1; 36(11):1837–42

Monoclonal antibodies to the porcine intestinal receptor for 1,25–dihydroxyvitamin D3: interaction with distinct receptor domains. Dame MC, et al. **Biochemistry** 1986 Aug 12;25(16):4523–34

Vibrio cholerae metalloproteinase degrades intestinal mucin and facilitates enterotoxin–induced secretion from rat intestine. Crowther RS, et al. **Biochim Biophys Acta** 1987 Jun 22;924(3):393–402

A novel imino–acid carrier in the enterocyte basolateral membrane. Davies S, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):247–55

Modulation of Na+–H+ exchange by ethinyl estradiol in rat colonic brush–border membrane vesicles. Dudeja PK, et al. **Biochim Biophys Acta** 1987 May 29;899(2):222–8

Identification and partial characterization of phospholipid methylation in rat small–intestinal brush–border membranes. Dudeja PK, et al. **Biochim Biophys Acta** 1987 Jun 23;919(3):307–10

Effect of Ca2+ and Mg2+ on the uptake of Fe3+ by mouse intestinal mucosa. Raja KB, et al. **Biochim Biophys Acta** 1987 Jan 20;923(1):46–51

Cholesterol regulates high–density lipoprotein interaction with isolated epithelial cells of human small intestine. Sviridov DD, et al. **Biochim Biophys Acta** 1987 Jun 23; 919(3):266–74

Transcellular calcium transport in intestinal and renal epithelial cells. van Os CH. **Biochim Biophys Acta** 1987 Jun 24;906(2):195–222 (252 ref.)

Aluminum binding activity in canine duodenal mucosal extracts. Adler AJ, et al. **Biomed Pharmacother** 1986; 40(7):269–71

Intestinal metabolism of ethinyloestradiol and paracetamol in vitro: studies using Ussing chambers. Rogers SM, et al. **Br J Clin Pharmacol** 1987 Jun;23(6):727–34

Calcium– and cyclic AMP–dependent chloride secretion in human colonic epithelia. Cuthbert AW, et al. **Br J Pharmacol** 1987 Jul;91(3):503–15

Role of mucosal metallothionein preinduced by oral Cd or Zn on the intestinal absorption of a subsequent Cd dose. Sugawara N, et al. **Bull Environ Contam Toxicol** 1987 Feb; 38(2):295–9

Phlorizin increases the permeability of intestinal mucosal membrane to sodium. Dinda PK, et al. **Can J Physiol Pharmacol** 1987 Apr;65(4):579–86

Sodium–dependent D–glucose transport in brush–border membrane vesicles from isolated rat small intestinal villus and crypt epithelial cells. Freeman HJ, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1213–9

Polyamine biosynthetic activity in normal and neoplastic human colorectal tissues. Porter CW, et al. **Cancer** 1987 Sep 15;60(6):1275–81

Differential production of high molecular weight sulfated glycoproteins in normal colonic mucosa, primary colon carcinoma, and metastases. Yamori T, et al. **Cancer Res** 1987 May 15;47(10):2741–7

Binding of benzo[a]pyrene metabolites in the rat intestinal lumen by magnetic polyethyleneimine microcapsules following an intragastric dose of [14C]benzo[a]pyrene. Povey AC, et al. **Carcinogenesis** 1987 Jun;8(6):825–31

In vitro measurement and adaptive response of Fe3+ uptake by mouse intestine. Raja KB, et al. **Cell Biochem Funct** 1987 Jan;5(1):69–76

Effects of insulin on transmucosal fluid movement and intestinal drug absorption in alloxan diabetic rats. Kitazawa S, et al. **Chem Pharm Bull (Tokyo)** 1977 May;25(5):1031–41

Transport defect of IgM into luminal space in selective IgA deficiency. Kanoh T, et al. **Clin Immunol Immunopathol** 1987 Sep;44(3):272–82

Gliadin binding to rat and human enterocytes. Colyer J, et al. **Clin Sci** 1987 May;72(5):593–8

Effect of monensin and nocodazole on the intestinal lipid esterification in mouse jejunal organ culture. Carlier H, et al. **Comp Biochem Physiol [A]** 1986;84(4):655–9

Intestinal release of mucin in response to HCl and taurocholate: effect of indomethacin. Slomiany BL, et al. **Comp Biochem Physiol [A]** 1987;87(3):657–63

Specific binding of Leu–enkephalin to small and large intestinal epithelial cells from guinea–pig. López–Ruiz MP, et al. **Comp Biochem Physiol [C]** 1986;85(1):215–8

Identification of insulin receptors in epithelial cells from duodenum, jejunum, ileum, caecum, colon and rectum in the rat. Fernández–Moreno MD, et al. **Diabete Metab** 1987 Apr;13(2):135–9

Metal absorption and the intestinal mucus layer. Quarterman J. **Digestion** 1987;37(1):1–9

Effect of bisacodyl on the uptake of monosaccharides by isolated enterocytes. Moretó M, et al. **Drug Nutr Interact** 1986;4(4):355–61

The amino acid sequence of protein II and its phosphorylation site for protein kinase C; the domain structure Ca2+–modulated lipid binding proteins. Weber K, et al. **EMBO J** 1987 Jun;6(6):1599–604

Trans– and paracellular calcium transport across the colonic mucosa after short– and long–term treatment with 1,25–dihydroxyvitamin D3. Karbach U, et al. **Eur J Clin Invest** 1986 Oct;16(5):347–51

Iron uptake by rat duodenal microvillous membrane vesicles: evidence for a carrier mediated transport system. Stremmel W, et al. **Eur J Clin Invest** 1987 Apr;17(2):136–45

Effect of cysteamine on cytosolic somatostatin binding sites in rabbit duodenal mucosa. Gonzalez–Guijarro L, et al. **Exp Mol Pathol** 1987 Apr;46(2):153–8

Truncated glucagon–like peptide I, an insulin–releasing hormone from the distal gut. Holst JJ, et al. **FEBS Lett** 1987 Jan 26;211(2):169–74

Adaptation of intestinal lactase in the rat. Bolin TD, et al. **Gastroenterology** 1969 Oct;57(4):406–9

Phosphate transport by basolateral plasma membranes of human small intestine. Kikuchi K, et al. **Gastroenterology** 1987 Jul;93(1):106–13

Serial observations of colonic carcinogenesis in the rat. Premalignant mucosa binds Ulex europeus agglutinin. Shioda Y, et al. **Gastroenterology** 1987 Jan;92(1):1–12

The role of prostaglandin E2 in duodenal mucosa of healthy subjects and duodenal ulcer patients. Basista M, et al. **Hepatogastroenterology** 1986 Dec;33(6):271–4

Immunohistochemical localization of a specific ileal peptide in the pig. Borgstrom A, et al. **Histochemistry** 1986; 86(1):101–5

Identification of methionine and lysine transport systems in cattle small intestine. Guerino F, et al. **J Anim Sci** 1987 Aug;65(2):630–40

Methionine and lysine uptake by cattle small intestine in vitro. Guerino F, et al. **J Anim Sci** 1987 Aug;65(2):619–29

Differential effects of 4–iodopyrazole and 3–methylpyrazole on the metabolic activation of methylazoxymethanol to a DNA methylating species by rat liver and rat colon mucosa in vivo. Fiala ES, et al. **J Cancer Res Clin Oncol** 1987; 113(2):145–50

Biosynthesis and secretion of human colonic mucin glycoproteins. Smith AC, et al. **J Clin Invest** 1987 Aug; 80(2):300–7

Autoradiographic demonstration of in vivo sialylation of endogenous acceptors at the microvillar surface of intestinal columnar cells after intraluminal administration of CMP–[3H]–sialic acid. Bennett G, et al. **J Histochem Cytochem** 1987 Aug;35(8):861–4

Studies with anti–bromodeoxyuridine antibodies: II. Simultaneous immunocytochemical detection of antigen expression and DNA synthesis by in vivo labeling of mouse intestinal mucosa. Schutte B, et al. **J Histochem Cytochem** 1987 Mar;35(3):371–4

Small bowel mucosa from celiac patients generates 15–hydroxyeicosatetraenoic acid (15–HETE) after in vitro challenge with gluten. Krilis SA, et al. **J Immunol** 1986 Dec 15;137(12):3768–71

Intestinal apolipoprotein A–I and B–48 metabolism: effects of sustained alterations in dietary triglyceride and mucosal cholesterol flux. Davidson NO, et al. **J Lipid Res** 1987 Apr;28(4):388–402

Adhesion of Candida albicans to mouse intestinal mucosa in vitro: development of the assay and test of inhibitors. Segal E, et al. **J Med Vet Mycol** 1986 Dec;24(6):477–9

A method for measuring apical glucose transporter site density in intact intestinal mucosa by means of phlorizin binding. Ferraris RP, et al. **J Membr Biol** 1986;94(1):65–75

Use of phlorizin binding to demonstrate induction of intestinal glucose transporters. Ferraris RP, et al. **J Membr Biol** 1986;94(1):77–82

The Na+–independent D–glucose transporter in the enterocyte basolateral membrane: orientation and cytochalasin B binding characteristics. Maenz DD, et al. **J Membr Biol** 1987;97(3):259–66

Na–K–2Cl cotransport in winter flounder intestine and bovine kidney outer medulla: [3H] bumetanide binding and effects of furosemide analogues. O'Grady SM, et al. **J Membr Biol** 1987;96(1):11–8

Influence of saponins on gut permeability and active nutrient transport in vitro. Johnson IT, et al. **J Nutr** 1986 Nov; 116(11):2270–7

Uptake of prodrugs by rat intestinal mucosal cells: mechanism and pharmaceutical implications. Stewart BH, et al. **J Pharm Sci** 1986 Oct;75(10):940–5

Serotonin release is mediated by muscarinic receptors on duodenal mucosal cells. Kuemmerle JF, et al. **J Surg Res** 1987 Aug;43(2):139–42

Analysis of absorptive cell occluding junction structure–function relationships in a state of enhanced junctional permeability. Marcial MA, et al. **Lab Invest** 1987 Apr;56(4):424–34

Ketone formation in the intestinal mucosa of infant rats. Hahn P, et al. **Life Sci** 1987 Sep 21;41(12):1525–8

Effect of prostaglandin E2 on the small intestine of indomethacin–treated rats. Romain N, et al. **Life Sci** 1987 Sep 7;41(10):1199–205

Regulation of cholesterol synthesis in isolated epithelial cells of human small intestine. Sviridov DD, et al. **Lipids** 1986 Dec;21(12):759–63

The role of the paracellular pathway in the net transport of calcium across the colonic mucosa. Karbach U, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):525–30

Effects of noradrenaline and somatostatin on basal and stimulated mucosal ion transport in the guinea–pig small intestine. Keast JR, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Aug; 333(4):393–9

Closed rat jejunal segment in situ: role of pre–epithelial diffusion resistance (unstirred layer) in the absorption process and model analysis. Winne D, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Feb; 335(2):204–15

Rise of prostanoids in rat small intestinal mucosa following intestinal protein hypersensitivity. Branski D, et al. **Pediatr Res** 1987 Apr;21(4):414–6

Intestinal repair in chronically undernourished rabbits. Guzman C, et al. **Pediatr Res** 1986 Dec;20(12):1301–4

Gluconeogenesis from lactate in the small intestinal mucosa of suckling rats. Hahn P, et al. **Pediatr Res** 1986 Dec; 20(12):1321–3

Human lactoferrin stimulates thymidine incorporation into DNA of rat crypt cells. Nichols BL, et al. **Pediatr Res** 1987 Jun;21(6):563–7

Adaptation of phosphate transport to low phosphate diet in renal and intestinal brush border membrane vesicles: influence of sodium and pH. Caverzasio J, et al. **Pflugers Arch** 1987 Jul;409(3):333–6

Modelling of colonic Cl– and K+ transport under resting and secreting conditions. Knauf H, et al. **Pflugers Arch** 1986;407 Suppl 2:S85–9

Effects of semistarvation on transintestinal D–glucose transport and D–glucose uptake in brush border and basolateral membranes of rat enterocytes. Marciani P, et al. **Pflugers Arch** 1987 Mar;408(3):220–3

Amiloride–sensitive sodium transport of the rat distal colon during early postnatal development. Pácha J, et al. **Pflugers Arch** 1987 Jun;409(1–2):194–9

Influence of glucose absorption on ion activities in cells and submucosal space in goldfish intestine. Zuidema T, et al. **Pflugers Arch** 1986 Sep;407(3):292–8

1–Naphthol metabolism and metabolite transport in the small and large intestine. II: Effect of sulphate and phosphate ion omission, and of 2,6–dichloro–4–nitrophenol in the isolated guinea pig mucosa. Sund RB, et al. **Pharmacol Toxicol** 1987 Apr;60(4):262–8

Adaptive regulation of intestinal nutrient transporters. Diamond JM, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2242–5

Receptor binding of pancreatic spasmolytic polypeptide (PSP) in rat intestinal mucosal cell membranes inhibits the adenylate cyclase activity. Frandsen EK, et al. **Regul Pept** 1986 Dec 30;16(3–4):291–7

Bradykinin receptors: functional similarities in guinea pig gut muscle and mucosa. Kachur JF, et al. **Regul Pept** 1987 Feb;17(2):63–9

Simultaneous measurement of in vitro gastroduodenal prostaglandin E2 synthesis and degradation in peptic ulcer disease. Crampton JR, et al. **Scand J Gastroenterol** 1987 May;22(4):425–30

Lysophosphatidylcholine potentiates the increase in mucosal permeability after small–intestinal ischaemia. Otamiri T, et al. **Scand J Gastroenterol** 1986 Nov;21(9):1131–6

Prostaglandin synthesis in the human gastrointestinal mucosa. Aly A, et al. **Scand J Gastroenterol [Suppl]** 1987;127:35–8 (23 ref.)

Immunohistochemical demonstration of pancreatic secretory proteins in human paneth cells. Bohe M, et al. **Scand J Gastroenterol [Suppl]** 1986;126:65–8

Gastroduodenal mucosal defence mechanisms and the action of non–steroidal anti–inflammatory agents. Garner A, et al. **Scand J Gastroenterol [Suppl]** 1987;127:29–34 (32 ref.)

On the role of epidermal growth factor in the defence of the gastroduodenal mucosa. Poulsen SS. **Scand J Gastroenterol [Suppl]** 1987;128:20–3

Prostaglandin biosynthesis in gastroduodenal mucosa: methodological difficulties and their implications. Stange EF, et al. **Scand J Gastroenterol [Suppl]** 1986;125:121–7

Acute yersinia infections in man increase intestinal permeability for low–molecular weight polyethylene glycols (PEG 400). Serrander R, et al. **Scand J Infect Dis** 1986;18(5):409–13

[Quantification of the effect of calcitriol by measuring intestinal calcium–binding proteins] Mašek Z, et al. **Cas Lek Cesk** 1986 Dec 31;125(52):1608–12 (Eng. Abstr.) **(Cze)**

[Theileria annulata: transmural potential difference of the abomasum and duodenum and permeability of their mucosa in the cow infested experimentally] Ouhelli H, et al. **Exp Parasitol** 1987 Jun;63(3):253–9 **(Fre)**

[Effect of vitamin A deficiency on the macromolecular permeability of small intestine mucosa in the adult rat] Gmoshinskiĭ IV, et al. **Biull Eksp Biol Med** 1987 Feb; 103(2):161–3 (Eng. Abstr.) **(Rus)**

[Effect of cholera enterotoxin on carbohydrate metabolism of the liver and small intestine mucosa in the rabbit] Vengrov PR, et al. **Biull Eksp Biol Med** 1987 Apr; 103(4):410–3 (Eng. Abstr.) **(Rus)**

[Age and the metabolism of parenterally administered labeled thiamine, pantothenate, nicotinate and lipoate in the digestive system of the rat] Stepanova LN, et al. **Fiziol Zh** 1987 Jan–Feb;33(1):46–54 (Eng. Abstr.) **(Rus)**

[Endorphin–, gastrin– and somatostatin–containing cells in the mucosa of the stomach and duodenum in duodenal ulcer and chronic gastritis] Aruin LI, et al. **Klin Med (Mosk)** 1986 Sep;64(9):84–8 (Eng. Abstr.) **(Rus)**

[Acid glycosaminoglycans of the jejunal mucosa in chronic nonspecific enteritis in children] Palkov VL, et al. **Pediatriia** 1986 Sep;(9):78 **(Rus)**

[Decrease in cAMP levels and increase in cGMP levels in the small intestine mucosa after treatment with fluoride] Grigorenko VK, et al. **Ukr Biokhim Zh** 1987 Jul–Aug; 59(4):97–9 (Eng. Abstr.) **(Rus)**

[Protein assimilation and acid proteinases in the postnatal gastrointestinal tract in experimental studies] Nikolaevskaia VR, et al. **Vopr Pitan** 1986 Nov–Dec;(6):45–7 (Eng. Abstr.) **(Rus)**

[Characteristics of the function of the pentosephosphate pathway in the mucous membrane of the gastrointestinal tract of rats with vitamin PP deficiency and stress–induced ulcer] Vorob'ev VV, et al. **Vopr Pitan** 1986 Nov–Dec; (6):54–6 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

A technique for the purification of Mycobacterium paratuberculosis from the ileal mucosa of infected cattle. Ratnamohan TN, et al. **Aust Vet J** 1986 Jun;63(6):185–7

Bacterial adhesion in human upper gastrointestinal tract. Cerf M, et al. **Diagn Microbiol Infect Dis** 1986 Nov;5(4):285–91

Identification of a new fimbrial structure in enterotoxigenic Escherichia coli (ETEC) serotype O148:H28 which adheres to human intestinal mucosa: a potentially new human ETEC colonization factor. Knutton S, et al. **Infect Immun** 1987 Jan;55(1):86–92

Adhesion of enteropathogenic Escherichia coli to human intestinal enterocytes and cultured human intestinal mucosa. Knutton S, et al. **Infect Immun** 1987 Jan; 55(1):69–77

Pilus–mediated binding of bovine enterotoxigenic Escherichia coli to calf small intestinal mucins. Mouricout MA, et al. **Infect Immun** 1987 May;55(5):1216–23

In vivo adherence and colonization of Vibrio cholerae strains that differ in hemagglutinating activity and motility. Teppema JS, et al. **Infect Immun** 1987 Sep;55(9):2093–102

Enzyme–linked immunosorbent assay for adherence of bacteria to animal cells. Ofek I, et al. **J Clin Microbiol** 1986 Oct;24(4):512–6

Invasion of campylobacter–like organisms in the duodenal mucosa in patients with active duodenal ulcer. Bode G, et al. **Klin Wochenschr** 1987 Feb 2;65(3):144–6

The attachment of filamentous segmented micro–organisms to the distal ileum wall of the mouse: a scanning and transmission electron microscopy study. Koopman JP, et al. **Lab Anim** 1987 Jan;21(1):48–52

Bacterial overgrowth and mucosal changes in isolated (Thirty–Vella) ileal loops in rabbits. Effects of intraluminal antibiotics. Kern SE, et al. **Lab Invest** 1987 Sep; 57(3):336–41

Persorption of particles. Volkheimer G. **Mykosen [Suppl]** 1978;1:68–71

Trimethoprim used for selective decontamination of the digestive tract in rats: possible route of excretion. Toorop–Bouma AG, et al. **Scand J Infect Dis** 1987; 19(3):361–7

[Interactions between pathogens and intestinal mucosa in enteroinvasion] Menge H. **Z Gastroenterol** 1986 Sep;24 Suppl 3:38–42 **(Ger)**

[Jejunal microflora in children with flat mucosa and normal mucosa] Ciampolini M, et al. **Minerva Pediatr** 1986 Sep 30;38(17–18):759–67 (Eng. Abstr.) **(Ita)**

[Population aspects of Shigella interaction with the mucosa of explanted fragments of the human fetal intestine] Bondarenko VM, et al. **Vestn Akad Med Nauk SSSR** 1986; (12):72–8 **(Rus)**

[Method of identifying and isolating Campylobacter in gastroduodenal mucosa taken by endoscopic biopsy] Pajares JM, et al. **Rev Esp Enferm Apar Dig** 1987 May; 71(5):375–8 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Radiographic and endoscopic findings in human whipworm infection (Trichuris trichiura) [letter] Davis M, et al. **J Clin Gastroenterol** 1986 Dec;8(6):700–1

Gastrointestinal mucus, a medium for survival and for elimination of parasitic nematodes and protozoa. Miller HR. **Parasitology** 1987;94 Suppl:S77–100 (107 ref.)

The distribution of inhibited early third stage Cyathostominae larvae in the large intestine of the horse. Eysker M, et al. **Z Parasitenkd** 1986;72(6):815–20

PATHOLOGY

Effect of zinc deficiency on mucosal hyperplasia following 70% bowel resection. Vanderhoof JA, et al. **Am J Clin Nutr** 1986 Nov;44(5):670–7

Protection of the small intestine from nonocclusive mesenteric ischemic injury due to cardiogenic shock. Bailey RW, et al. **Am J Surg** 1987 Jan;153(1):108–16

Mucosal field change in colorectal cancer. Dawson PM, et al. **Am J Surg** 1987 Mar;153(3):281–4

Gut mucosal mast cells and goblet cells during acute graft–versus–host disease in rats. Levy DA, et al. **Ann Inst Pasteur Immunol** 1986 Sep–Oct;137D(2):281–8

Juvenile polyp with intramucosal carcinoma. Jones MA, et al. **Arch Pathol Lab Med** 1987 Feb;111(2):200–1

Mucoid hyperplasia and plugging of the glands of the ileocaecal opening of the pig. Harper PA, et al. **Aust Vet J** 1986 Oct;63(10):349–50

The human colon carcinoma cell lines HT–29 and Caco–2: two in vitro models for the study of intestinal differentiation. Rousset M. **Biochimie** 1986 Sep; 68(9):1035–40 (45 ref.)

Labeling index and labeling distribution in the colonic crypts: a contribution to definition of patients at high risk for colorectal cancer. Bourry J, et al. **Biomed Pharmacother** 1987;41(3):151–5

Effect of hypothermia on intestinal adaptation and carcinogenesis in the rat. Rainey JB, et al. **Br J Cancer** 1987 Mar;55(3):265–8

Proliferative characteristics of chronic crypt cells in C57BL/6J and A/J mice as predictors of subsequent tumor formation. Glickman LT, et al. **Cancer Res** 1987 Sep 15; 47(18):4766–70

Effect of cyclophosphamide on the proliferation of L 1210 ascites tumour cells and of jejunal crypt cells in the mouse. Schäfer E, et al. **Cell Tissue Kinet** 1986 Jul;19(4):437–47

Postheparin plasma diamine oxidase in subjects with small bowel mucosal atrophy. D'Agostino L, et al. **Dig Dis Sci** 1987 Mar;32(3):313–7

Significance of eosinophil and mast cell counts in rectal mucosa in ulcerative colitis. A prospective controlled study. Sarin SK, et al. **Dig Dis Sci** 1987 Apr;32(4):363–7

Effect of water irrigations on human colonic mucosa structure after sigmoidostomy. Galliani I, et al. **Dis Colon Rectum** 1987 Jun;30(6):453–6

Morphological and histochemical changes in intestinal mucosa in the reserpine–treated rat model of cystic fibrosis. Park CM, et al. **Exp Mol Pathol** 1987 Aug;47(1):1–12

Repair of rabbit duodenal mucosa after acid injury in vivo and in vitro. Feil W, et al. **Gastroenterology** 1987 Jun; 92(6):1973–86

Abnormal pattern of cell proliferation in the entire colonic mucosa of patients with colon adenoma or cancer. Terpstra OT, et al. **Gastroenterology** 1987 Mar;92(3):704–8

Comparison of suction capsule and endoscopic biopsy of small bowel mucosa [letter] Oderda G, et al. **Gastrointest Endosc** 1987 Jun;33(3):265–6

T–lymphocyte populations in normal and coeliac small intestinal mucosa defined by monoclonal antibodies. Jenkins D, et al. **Gut** 1986 Nov;27(11):1330–7

Eosinophilic colitis [letter] Sullivan S, et al. **Gut** 1987 Apr; 28(4):506

Measurement of intraepithelial lymphocytes [letter] Whitehead R. **Gut** 1986 Nov;27(11):1399

A method for the isolation and culture of human colonic crypts in collagen gels. Whitehead RH, et al. **In Vitro Cell Dev Biol** 1987 Jun;23(6):436–42

Changes in intestinal mucosa above lymph follicles during carcinogenesis in rats. A light and electron microscopic study. Shimamoto F, et al. **J Cancer Res Clin Oncol** 1987; 113(1):41–50

Restorative proctocolectomy with ileal reservoir: pathological and histochemical study of mucosal biopsy specimens. Shepherd NA, et al. **J Clin Pathol** 1987 Jun; 40(6):601–7

Deficiency of the tryptase–positive, chymase–negative mast cell type in gastrointestinal mucosa of patients with defective T lymphocyte function. Irani AM, et al. **J Immunol** 1987 Jun 15;138(12):4381–6

The response of the intestinal epithelium in B10.A mice to infection with Trichinella spiralis. Dunn IJ, et al. **J Parasitol** 1987 Aug;73(4):712–22

Morphometric studies and eosinophil cell counts in the duodenal mucosa of children with chronic nonspecific diarrhoea and cow's milk allergy. Challacombe DN, et al. **J Pediatr Gastroenterol Nutr** 1986 Nov–Dec;5(6):887–91

The effect of route of nutrient administration on the nutritional state, catabolic hormone secretion, and gut mucosal integrity after burn injury. Saito H, et al. **JPEN J Parenter Enteral Nutr** 1987 Jan–Feb;11(1):1–7

The effect of the route of nutrient delivery on gut structure and diamine oxidase levels. Thompson JS, et al. **JPEN J Parenter Enteral Nutr** 1987 Jan–Feb;11(1):28–32

Histopathological changes, mucin production and cellular DNA content in rectal mucosa of patients with ulcerative colitis: a comparison between findings in adults and adolescents. Matsumoto K, et al. **Jpn J Surg** 1986 Nov;

16(6):456–9
Transitional mucosa of the colon and tumor growth factors. Boland CR, et al. **Med Hypotheses** 1987 Mar;22(3):237–43
Suppression of mucosal mastocytosis by infection with the intestinal nematode Nematospiroides dubius. Dehlawi MS, et al. **Parasite Immunol** 1987 Mar;9(2):187–94
Chronic nonspecific inflammatory bowel disease of the cecum and proximal colon in children with grossly normal-appearing colonic mucosa: diagnosis by colonoscopic biopsies. Heyman MB, et al. **Pediatrics** 1987 Aug;80(2):255–61
Radiologic-pathologic correlation of inflammatory bowel disease. Lichtenstein JE. **Radiol Clin North Am** 1987 Jan; 25(1):3–24
Effects of additional dietary gluten on the small-intestinal mucosa of volunteers and of patients with dermatitis herpetiformis. Ferguson A, et al. **Scand J Gastroenterol** 1987 Jun;22(5):543–9
Morphologic changes in ileal reservoir mucosa after long-term exposure to urine. A study in patients with continent urostomy (Kock pouch). Höckenström T, et al. **Scand J Gastroenterol** 1986 Dec;21(10):1224–34
Does sucralfate reduce acetylsalicylic-acid-induced gastric mucosal bleeding? Malchow-Møller A, et al. **Scand J Gastroenterol** 1987 Jun;22(5):550–2
Histochemistry of small intestinal dysplasia in familial polyposis coli. Romagnoli P, et al. **Virchows Arch [B]** 1986; 52(2):117–28
[Histomorphological study of jejunal mucosa in 35 cases] Shi XZ. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Sep; 15(3):223–4 **(Chi)**
[Severe epithelio-exfoliative colitis in infants. Anatomical data] Nezelof C, et al. **Arch Fr Pediatr** 1987 Feb;44(2):101–7 (Eng. Abstr.) **(Fre)**
[Adaptive forms of the small intestine mucosa and their clinical significance] Menge H, et al. **Internist (Berlin)** 1986 Oct;27(10):665–71 **(Ger)**
[Roentgenological demonstration of pathological changes of the mucosa of the small intestine] Desaga JF. **ROFO** 1987 Jun;146(6):689–94 (Eng. Abstr.) **(Ger)**
[Atrophy of the duodeno-jejunal mucosa in cow's milk protein intolerance. Importance of cell-mediated immunologic factors] Balli F, et al. **Pediatr Med Chir** 1986 Sep-Oct;8(5):611–4 (Eng. Abstr.) **(Ita)**
[Endoscopy of the upper gastrointestinal tract. A lead in the primary examination of patients with non-Hodgkin's lymphoma] Schjølseth SA, et al. **Tidsskr Nor Laegeforen** 1987 Apr 10;107(10–11):931–2 (Eng. Abstr.) **(Nor)**
[Clinical picture and morphology of the intestinal mucosa in children with dermatitis herpetiformis] Rujner J, et al. **Pol Tyg Lek** 1986 Oct 20;41(42):1336–8 (Eng. Abstr.) **(Pol)**
[Case of death from trichinosis with acute lesions of the stomach and small intestine] Anichkov NM, et al. **Arkh Patol** 1987;49(1):54–6 (Eng. Abstr.) **(Rus)**
[Endocrine apparatus of the duodenal epithelium in chronic gastroduodenitis in children] Ivanova VF, et al. **Arkh Patol** 1987;49(5):29–35 (Eng. Abstr.) **(Rus)**
[Epitheliocytes of fundal glands and the relative volume of the parietal microflora of the stomach and small intestine mucosa in experimental chronic duodenal ulcer] Balbekov IM, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):499–501 (Eng. Abstr.) **(Rus)**
[Ulcers of gastric anastomoses] Cherviak PI. **Vrach Delo** 1987 Feb;(2):69–72 (Eng. Abstr.) **(Rus)**
[A proposal for the classification of intestinal complications in giardiasis] Fragoso T, et al. **Acta Gastroenterol Latinoam** 1986;16(1):27–31 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Response of jejunal mucosa to electrical transmural stimulation and two neurotoxins. Perdue MH, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):G642–8
Villous regeneration in ulcerative colitis. Lee RG. **Arch Pathol Lab Med** 1987 Mar;111(3):276–8
Intake of monosaccharides or amino acids induces pituitary gland synthesis of proteins regulating intestinal fluid transport. Lönnroth I, et al. **Biochim Biophys Acta** 1987 Aug 13;925(2):117–23
Glucose depolarizes villous but not crypt cell apical membrane potential difference: a micropuncture study of crypt-villus heterogeneity in the rat. Stewart CP, et al. **Biochim Biophys Acta** 1987 Sep 3;902(3):293–300
Macromolecules can pass through occluding junctions of rat ileal epithelium during cholinergic stimulation. Phillips TE, et al. **Cell Tissue Res** 1987 Mar;247(3):547–54
Parental spleen cells accelerate the development of intestinal brush border structure and function in neonatal mice. Lund EK, et al. **Comp Biochem Physiol [A]** 1986;85(1):175–81
Augmentation of mucosal adaptation following massive small-bowel resection by 16,16-dimethyl-prostaglandin E2 in the rat. Vanderhoof JA, et al. **Digestion** 1987;36(4):213–9
Mucosal surface pH of the large intestine of the rat and of normal and inflamed large intestine in man. McNeil NI, et al. **Gut** 1987 Jun;28(6):707–13
Intestinal mucus gel and secretory antibody are barriers to Campylobacter jejuni adherence to INT 407 cells. McSweegan E, et al. **Infect Immun** 1987 Jun;55(6):1431–5
The effect of step-down heating on mouse small intestinal mucosa. Hume SP, et al. **Int J Hyperthermia** 1987 Mar-Apr;3(2):153–65
The effect of the hydrolytic state of dietary protein on post-irradiation morbidity and mucosal cell regeneration [published erratum appears in Int J Radiat Oncol Biol Phys 1987 Aug;13(8):1267] Beitler MK, et al. **Int J Radiat Oncol Biol Phys** 1987 Mar;13(3):385–91
Transport-dependent alterations of membrane properties of mammalian colon measured using impedance analysis. Wills NK, et al. **J Membr Biol** 1987;95(1):21–35
Modification of electrical field stimulation-induced contractions in the guinea-pig ileum by metoclopramide and ICS 205-930 depends on the integrity of the mucosa. Costall B, et al. **J Pharm Pharmacol** 1986 Nov;38(11):811–4
Mucosal plexus and electrolyte transport across the rat colonic mucosa. Bridges RJ, et al. **J Physiol (Lond)** 1986 Jul;376:531–42
Vascular perfusion of the ischemic small intestine. Juhász M, et al. **Prog Clin Biol Res** 1987;236A:503–8
Differential repair of gamma-ray-induced DNA strand breaks by various cellular subpopulations of mouse jejunal epithelium and bone marrow in vivo. Murray D, et al. **Radiat Res** 1987 Jan;109(1):153–64
Evidence for substance P as a functional neurotransmitter in guinea pig small intestinal mucosa. Perdue MH, et al. **Regul Pept** 1987 Aug 3;18(2):63–74
Mucosal defence in ulcer disease. Proceedings of the Sucralfate Symposium. Copenhagen, 14–15 March 1986. **Scand J Gastroenterol [Suppl]** 1987;127:1–125
The role of mucus in the protection of the gastroduodenal mucosa. Allen A, et al. **Scand J Gastroenterol [Suppl]** 1986; 125:71–8 (54 ref.)
[Methodologic aspects of measuring the potential differences in the gastrointestinal tract: effect of electrode placement and electrolyte concentration of the measuring electrode on the magnitude of the transepithelial potential difference] König A, et al. **Z Gastroenterol** 1987 Jun;25(6):301–5 (Eng. Abstr.) **(Ger)**
[Experimental analysis of mechanisms of substrate regulation of the structure of the small intestine] Ugolev AM, et al. **Fiziol Zh SSSR** 1987 Feb;73(2):149–54 **(Rus)**

PHYSIOPATHOLOGY

Colonic epithelial impedance analysis in a murine model of large-bowel cancer. Davies RJ, et al. **Arch Surg** 1986 Nov; 121(11):1253–8
Effect of hemorrhagic shock on oxidative phosphorylation and blood flow in rabbit gastrointestinal mucosa. Martin LF, et al. **Circ Shock** 1987;21(1):39–50
Mucosal defences and gastroduodenal disease. Tasman-Jones C, et al. **Digestion** 1987;37 Suppl 2:1–7
Does rectal mucosa regenerate after ileoanal anastomosis? O'Connell PR, et al. **Dis Colon Rectum** 1987 Jan;30(1):1–5
Activated H-ras transforms rat intestinal epithelial cells with expression of alpha-TGF. Buick RN, et al. **Exp Cell Res** 1987 Jun;170(2):300–9
Transepithelial electric potential difference in newborns undergoing phototherapy. Jaehrig K, et al. **Pediatr Res** 1987 Mar;21(3):283–4
Measurement of jejunal surface pH in situ by plastic pH electrode in patients with coeliac disease. Rawlings JM, et al. **Scand J Gastroenterol** 1987 Apr;22(3):377–84
Mechanisms of mucosal injury in the stomach and duodenum: time-sequence analysis of morphologic, functional, biochemical and histochemical studies. Szabo S. **Scand J Gastroenterol [Suppl]** 1987;127:21–8 (57 ref.)
[Gastroduodenal ulcer as a manifestation of regenerative disorders of the mucous membrane] Dudchenko MA, et al. **Klin Med (Mosk)** 1987 Jun;65(6):142–5 **(Rus)**

RADIATION EFFECTS

Influence of irradiation or thymidine (TdR) on the pattern of 3H-TdR incorporation at each cell position in the crypts of the small intestine of the mouse. Chwalinski S, et al. **Int J Radiat Biol** 1987 Feb;51(2):243–54
Radiation-induced DNA single-strand breaks in the intestinal mucosal cells of mice treated with the radioprotectors WR-2721 or 16-16 dimethyl prostaglandin E2. Hanson WR, et al. **Int J Radiat Biol** 1987 Jul;52(1):67–76
Radiation protection of murine intestine by WR-2721, 16,16-dimethyl prostaglandin E2, and the combination of both agents. Hanson WR. **Radiat Res** 1987 Aug; 111(2):361–73
A preliminary study of the role of gastrointestinal endocrine cells in the maintenance of villous structure following X-irradiation. Wyatt MG, et al. **Scanning Microsc** 1987 Mar;1(1):291–300
[Simulation of cell renewal in the small intestine epithelium of intact and irradiated animals] Gusev IuV, et al. **Dokl Akad Nauk SSSR** 1987;294(3):712–5 **(Rus)**

RADIOGRAPHY

Radiographic appearance of mucosal dysplasia associated with ulcerative colitis. Hooyman JR, et al. **AJR** 1987 Jul; 149(1):47–51
Granular small bowel mucosa: a reflection of villous abnormality. Jones B, et al. **Gastrointest Radiol** 1987; 12(3):219–25
Computed tomographic investigation of serosal and intramural gastrointestinal pathology. Solomon A, et al. **Gastrointest Radiol** 1987;12(1):13–7
Digital gastrointestinal imaging: the effect of pixel size on detection of subtle mucosal abnormalities. Kastan DJ, et al. **Radiology** 1987 Mar;162(3):853–6

SECRETION

Vagal stimulation of duodenal HCO3(-)-secretion in anaesthetized rats. Jönson C, et al. **Acta Physiol Scand** 1986 Sep;128(1):65–70
Vagal and splanchnic neural influences on gastric and duodenal bicarbonate secretions. An experimental study in the cat. Fändriks L. **Acta Physiol Scand [Suppl]** 1986; 555:1–39
Altered concentrations of gastrin-releasing polypeptide and somatostatin in fundic and duodenal bulb mucosa of patients with duodenal ulcer disease. Jensen SL, et al. **Am J Gastroenterol** 1987 May;82(5):410–4
Muscarinic receptor subtypes mediating the mucosal response to neural stimulation of guinea pig ileum. Carey HV, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):G323–9
The relationship between gastrointestinal motility and secretion. Greenwood B, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):G1–7 (67 ref.)
Cephalic phase of gastroduodenal alkaline secretion. Konturek SJ, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):G742–7
Vagal influence on gastroduodenal HCO3- secretion in the cat in vivo. Nylander O, et al. **Am J Physiol** 1987 Apr; 252(4 Pt 1):G522–8
Mucus glycoprotein secretion by duodenal mucosa in response to luminal arachidonic acid. Kosmala M, et al. **Biochim Biophys Acta** 1986 Dec 10;884(3):419–28
Evidence that PGE2 stimulates intestinal epithelial cell adenylate cyclase by a receptor-mediated mechanism. Smith G, et al. **Dig Dis Sci** 1987 Jan;32(1):71–5
Studies on the localization of secretin release from canine intestine. Konturek SJ, et al. **Digestion** 1986;34(3):207–15
Vasoactive intestinal polypeptide actions on the guinea pig intestinal mucosa during neural stimulation. Cooke HJ, et al. **Gastroenterology** 1987 Feb;92(2):361–70
Alkaline secretion. A protective mechanism against acid injury in rabbit duodenum. Wenzl E, et al. **Gastroenterology** 1987 Mar;92(3):709–15
Secretory process of mucus-secreting cells in mouse colonic mucosa studied by rapid freezing and freeze-substitution. Ichikawa M, et al. **J Electron Microsc (Tokyo)** 1987; 36(3):117–27
Gastroduodenal mucosal secretion of bicarbonate and mucus: physiological control and role in protection. Flemström G, et al. **Klin Wochenschr** 1986;64 Suppl 7:107–11
Stimulation of HCO3- secretion by the prostaglandin E2 analog enprostil: studies in human stomach and rat duodenum. Heylings JR, et al. **Prostaglandins** 1986 Dec; 32(6):907–17
Duodenal mucosal bicarbonate secretion in humans: a brief review. Isenberg JI, et al. **Scand J Gastroenterol [Suppl]** 1986;125:106–9
Cephalic phase of gastroduodenal alkaline secretion. Konturek SJ, et al. **Scand J Gastroenterol [Suppl]** 1986; 125:100–5
Glucose-induced responses of insulin and gastric inhibitory polypeptide in various animal models. Ohneda A, et al. **Tohoku J Exp Med** 1987 Jan;151(1):97–104
[Effect of the epidermal growth factor on 1,2-dimethylhydrazine-induced carcinogenesis in the rat intestinal mucosa] Gut IT, et al. **Eksp Onkol** 1987; 9(3):17–20 (Eng. Abstr.) **(Rus)**

SURGERY

Ileal pouch-anal anastomosis. A single surgeon's experience with 100 consecutive cases. Becker JM, et al. **Ann Surg** 1986 Oct;204(4):375–83
Familial polyposis coli. Results of mucosal proctectomy with ileoanal anastomosis. Heimann TM, et al. **Dis Colon Rectum** 1987 Jun;30(6):424–7
[Mucous ectropion and anal prolapse. Therapeutic possibilities] Bondonny JM. **Chir Pediatr** 1986;27(5):293–5 **(Fre)**

TRANSPLANTATION

Growth of neomucosa after intestinal resection. Thompson JS. **Arch Surg** 1987 Mar;122(3):316–9
A new technique for mucosal graft in hepaticojejunostomy for benign lesions of common bile duct. Panzera G. **Ital J Surg Sci** 1986;16(2):123–5
In vivo glucose absorption by neomucosa. Thompson JS, et al. **Surgery** 1987 Mar;101(3):297–303

ULTRASTRUCTURE

Ultrastructure of the small intestinal mucosa in progressive systemic sclerosis (PSS). Hendel L, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1987 Jan; 95(1):41–6
Intestinal absorptive cell tight junctions are linked to cytoskeleton. Madara JL. **Am J Physiol** 1987 Jul;253(1 Pt 1):C171–5
Characteristics of glycyl-L-proline transport in intestinal brush-border membrane vesicles. Rajendran VM, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):G281–6
Scanning electron microscopic determination of quantitative parameters of villi in the rat jejunum. Ono K, et al. **Anat Anz** 1987;163(3):277–80

Organization, chemistry, and assembly of the cytoskeletal apparatus of the intestinal brush border. Mooseker MS. **Annu Rev Cell Biol** 1985;1:209–41 (142 ref.)

Flow cytometry, a very useful technique for the characterization of intestinal membrane vesicles. Gorvel JP, et al. **Biol Cell** 1986;58(2):157–67

Formation of organoid structures and extracellular matrix production in an intestinal epithelial cell line during long–term in vitro culture. Sambuy Y, et al. **Cell Differ** 1986 Sep;19(2):139–47

Early ultrastructural changes in rat duodenal mucosa associated with cysteamine–induced ulcer. Pfeiffer CJ, et al. **Exp Mol Pathol** 1987 Feb;46(1):102–13

Subcellular localization of pepsinogen II in stomach and duodenum by the immunogold technique. Cornaggia M, et al. **Gastroenterology** 1987 Mar;92(3):585–93

Pilus–mediated interactions of the Escherichia coli strain RDEC–1 with mucosal glycoproteins in the small intestine of rabbits. Sherman PM, et al. **Gastroenterology** 1987 Oct; 93(4):734–43

A freeze–fracture study of the enteropathy associated with dermatitis herpetiformis: a comparative investigation with coeliac disease. Contini D, et al. **J Cutan Pathol** 1986 Aug; 13(4):293–300

Ultrastructural findings in the jejunal mucosa of children with IgA deficiency. Giorgi PL, et al. **J Pediatr Gastroenterol Nutr** 1986 Nov–Dec;5(6):892–8

A scanning electron microscopy study of changes in rat colonic mucosa during carcinogenesis. Traynor OJ, et al. **J Surg Res** 1986 Nov;41(5):529–37

Development of cysteamine–induced ultrastructural surface changes on duodenal mucosa. Pfeiffer DC, et al. **Lab Invest** 1987 Apr;56(4):444–50

Fetal intestinal microvilli in human amniotic fluid. Potier M, et al. **Prenat Diagn** 1986 Nov–Dec;6(6):429–36

Fluid accumulation in the ligated intestinal loop and histopathological changes of the intestinal mucosa caused by Clostridium botulinum C2 toxin in the pheasant and chicken. Kurazono H, et al. **Res Vet Sci** 1987 May; 42(3):349–53

Ultrastructural and histochemical changes in ileal reservoir mucosa after long–term exposure to urine. A study in patients with continent urostomy (Kock pouch). Philipson BM, et al. **Scand J Gastroenterol** 1986 Dec;21(10):1235–44

[Canalicular system of the enterocyte and its changes depending upon the functional state] Mosevich TN, et al. **Dokl Akad Nauk SSSR** 1987;293(6):1487–9 **(Rus)**

[Glycocalyx vesicles of enterocytes—membrane hydrolysis reserve?] Koval'chuk VK, et al. **Fiziol Zh** 1986 Sep–Oct; 32(5):624–9 (41 ref.) (Eng. Abstr.) **(Rus)**

INTESTINAL NEOPLASMS

[Neoplasms of the small intestine. Personal cases and clinical considerations] Galli F, et al. **Minerva Chir** 1987 Apr 15; 42(7):629–31 **(Ita)**

[Leiomyomas of the small intestine] Saviano MS, et al. **Minerva Dietol Gastroenterol** 1986 Oct–Dec;32(4):403–7 (Eng. Abstr.) **(Ita)**

ANALYSIS

[Characteristics of the epidermal growth factor receptors in the epithelium of the gastrointestinal tract of rats and in intestinal tumors induced by 1,2–dimethylhydrazine] Ivashchenko IuD, et al. **Eksp Onkol** 1986;8(5):17–21 (Eng. Abstr.) **(Rus)**

BLOOD

Comparison of two CEA assays in primary and recurrent large bowel carcinoma with different DNA ploidy pattern. Rognum TO, et al. **Eur J Cancer Clin Oncol** 1986 Oct; 22(10):1165–9

Enteroglucagon and experimental intestinal carcinogenesis in the rat. Savage AP, et al. **Gut** 1987 Jan;28(1):33–9

CHEMICALLY INDUCED

Importance of the duration of inhibition on intestinal carcinogenesis by difluoromethylornithine in rats. Nigro ND, et al. **Cancer Lett** 1987 May;35(2):153–8

Carcinogenicity of dietary aflatoxin M1 in male Fischer rats compared to aflatoxin B1. Cullen JM, et al. **Cancer Res** 1987 Apr 1;47(7):1913–7

The effects of different MNNG (N–methyl–N'–nitro–N–nitrosoguanidine) doses on the stomach and the upper small intestine of the rat. I. The frequency and histopathology of the induced tumours. Barten M. **Exp Pathol** 1987;31(3):147–52

Carcinogenicity of 1–(2–hydroxyethyl)–1–nitrosourea and 3–nitroso–2–oxazolidinone administered in drinking water to male MRC–Wistar rats: induction of bone, hematopoietic, intestinal, and liver tumors. Mirvish SS, et al. **JNCI** 1987 Feb;78(2):387–93

Intestinal carcinogenesis and dietary fibers: the influence of cellulose or Fybogel chronically given after exposure to DMH. Wilpart M, et al. **Nutr Cancer** 1987;10(1–2):39–51

[Effect of the epidermal growth factor on 1,2–dimethylhydrazine–induced carcinogenesis in the rat intestinal mucosa] Gut IT, et al. **Eksp Onkol** 1987; 9(3):17–20 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Epithelial polyps of the large intestine. A classification based on biologic behavior. Giltman LI. **Postgrad Med** 1986 Oct; 80(5):113–6, 119

COMPLICATIONS

Carcinoma of the large intestine and nontraumatic, metastatic, clostridial myonecrosis. Furste W, et al. **Dis Colon Rectum** 1986 Dec;29(12):899–904 (49 ref.)

Leiomyoma in Meckel's diverticulum: CT and angiographic studies in one case. Swinnen E, et al. **J Belge Radiol** 1986; 69(5):355–7

Primary small bowel ganglioneuroblastoma and Friedreich's ataxia. Barr H, et al. **J R Soc Med** 1986 Oct;79(10):612–3

Small bowel adenocarcinoma complicating Crohn's disease. Fell J, et al. **J R Soc Med** 1987 Jan;80(1):51–2

[Primary resection of a perforated leiomyoma of the small intestine using glucagon hypotonia] Moshev B. **Khirurgiia (Sofiia)** 1987;40(2):52–3 **(Bul)**

[Assessment of clinical symptoms in the diagnosis of obstruction of the large intestine of neoplastic origin] Zlatarski G, et al. **Khirurgiia (Sofiia)** 1986;39(4):1–4 (Eng. Abstr.) **(Bul)**

[Painful ophthalmoplegia disclosing lymphoma of the small intestine] Sirbat D, et al. **Bull Soc Ophtalmol Fr** 1986 Mar; 86(3):297–300 (Eng. Abstr.) **(Fre)**

[Digestive immunoblastic lymphoma in Gougerot–Sjögren syndrome (letter)] Gosset D, et al. **Gastroenterol Clin Biol** 1987 Apr;11(4):348–9 **(Fre)**

[Digestive hemorrhage due to leiomyoma of the small intestine] Attiaoui M, et al. **Tunis Med** 1986 Jun–Jul; 64(6–7):637–40 (Eng. Abstr.) **(Fre)**

[Extended surgical procedure for malignant colo–jejunal fistula] Ziv Y, et al. **Harefuah** 1985 Mar 15;108(6):288–9 (Eng. Abstr.) **(Heb)**

[Neurinoma of the small intestine causing profuse intestinal hemorrhage] Kulevnik II, et al. **Klin Khir** 1987;(2):39 **(Rus)**

[Rare causes of profuse non–ulcerative gastrointestinal hemorrhages] Shuliarenko VA, et al. **Vrach Delo** 1987 May; (5):5–7 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Ultrastructural diagnosis of melanoma from an endoscopic biopsy. Yamashina M, et al. **Ultrastruct Pathol** 1987; 11(4):465–72

[Recurring symptoms in patients with sprue: think of a malignant disorder!] Cluysenaer OJ, et al. **Ned Tijdschr Geneeskd** 1987 May 2;131(18):745–7 **(Dut)**

[Extragenital endometriosis—abdominal manifestations and complications (a general review)] Marczell A, et al. **Wien Klin Wochenschr** 1987 Apr 17;99(8):273–6 (Eng. Abstr.) **(Ger)**

[Biopsy diagnosis of the large bowel cancer] Kato Y. **Rinsho Byori** 1987 Apr;35(4):399–404 **(Jpn)**

[Diagnosis and treatment of malignant tumors of the small intestine] Pashkevich VI, et al. **Vestn Khir** 1986 Jul; 137(7):48–51 (Eng. Abstr.) **(Rus)**

[Means of improving the diagnosis of cancer of the large intestine] Vlasov PV, et al. **Vopr Onkol** 1987;33(2):99–105 (Eng. Abstr.) **(Rus)**

[Diagnosis of lymphoma of the small intestine] Nikosavić S, et al. **Vojnosanit Pregl** 1986 Nov–Dec;43(6):444–6 (Eng. Abstr.) **(Scr)**

DRUG THERAPY

Antitumor effects of inhibitors of arachidonic acid cascade on experimentally induced intestinal tumors. Birkenfeld S, et al. **Dis Colon Rectum** 1987 Jan;30(1):43–6

ENZYMOLOGY

Proteolytic enzymes as new tumor markers in chemical carcinogenesis of intestinal tumors. Izbicki JR, et al. **Cancer Detect Prev** 1987;10(1–2):31–6

ETIOLOGY

Effect of hypothermia on intestinal adaptation and carcinogenesis in the rat. Rainey JB, et al. **Br J Cancer** 1987 Mar;55(3):265–8

Induction of gastric tumor and intestinal metaplasia in rats exposed to localized X–irradiation of the gastric region. Watanabe H, et al. **Jpn J Cancer Res** 1987 Jan;78(1):27–31

Histopathogenesis of intestinal tumors induced by oral administration of bracken fern, Pteridium aquilinum in rats. Oyamada T, et al. **Nippon Juigaku Zasshi** 1987 Aug; 49(4):687–96

The impact of dietary fat and fiber on intestinal carcinogenesis. Nigro ND, et al. **Prev Med** 1987 Jul; 16(4):554–8 (18 ref.)

[Small bowel lymphoma as a complication of non–tropical sprue (celiac disease). A case report] Raaijmakers PA, et al. **ROFO** 1987 Jan;146(1):103–4 **(Ger)**

[Crohn disease and intestinal cancer: clinical considerations] Bagnarelli F, et al. **Ann Ital Chir** 1986;58(2–4):121–9 **(Ita)**

[Effect of bile on the development of tumors of the stomach and small intestine induced in rats by N–methyl–N–nitro–N–nitrosoguanidine] Sherenesheva NI. **Vopr Onkol** 1987;33(1):83–9 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

[Adenomas and carcinomas of the small intestine in familial polyposis and Gardner syndrome—analysis of a literature survey] Sellner F. **Dtsch Z Verdau Stoffwechselkr** 1986; 46(5):287–93 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Primary small intestinal lymphoma in adults. A comparative study of IPSID versus non–IPSID in the Middle East. Salem P, et al. **Cancer** 1987 May 1;59(9):1670–6

Immunohistochemical study of carcinoembryonic antigen, epithelial membrane antigen, and secretory immunoglobulin system in the large bowel adenoma–carcinoma sequence. Lapertosa G, et al. **Cancer Detect Prev** 1986;9(5–6):469–76

Histogenesis of malignant histiocytosis of the intestine [letter] Salter DM, et al. **Gastroenterology** 1987 Jun;92(6):2050–1

[An analysis of subpopulations of infiltrating mononuclear cells in 20 cases of carcinomas of the stomach and large intestine] Yuan DD. **Chung–hua Ping Li Hsueh Tsa Chih** 1986 Mar;15(1):37–40 (Eng. Abstr.) **(Chi)**

[Immunohistochemical estimation of the proliferative action of breast and large intestine carcinomas] Horny HP, et al. **Verh Dtsch Ges Pathol** 1986;70:262–8 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Tumors of the small intestine. Report of 131 cases and review of 1,024 cases in the literature. Dong HJ, et al. **Chin Med J [Engl]** 1986 Feb;99(2):91–6

Incidence of histologic types of cancer of the small intestine. Weiss NS, et al. **JNCI** 1987 Apr;78(4):653–6

PATHOLOGY

Intestinal adenocarcinomas metastatic to the ovaries. A clinicopathologic evaluation of 22 cases. Lash RH, et al. **Am J Surg Pathol** 1987 Feb;11(2):114–21

Biogenic amines as regulators of the proliferative activity of normal and neoplastic intestinal epithelial cells (review). Tutton PJ, et al. **Anticancer Res** 1987 Jan–Feb;7(1):1–12 (148 ref.)

Smooth muscle tumours of the upper gastrointestinal tract. Senewiratne S, et al. **Aust NZ J Surg** 1987 May; 57(5):299–302

Geographic differences in the prevalence and distribution of large–bowel polyps—colonoscopic findings. Cronstedt J, et al. **Endoscopy** 1987 May;19(3):110–3

Malignant lymphoma arising in an intestinal polyp. Falconieri G, et al. **Histopathology** 1987 Feb;11(2):215–6

UCHL1 (anti–T–cell) staining pattern in small intestinal lymphoma of coeliac disease [letter] Nash JR, et al. **Histopathology** 1986 Nov;10(11):1213–5

Neoplastic endocrine cells in carcinomas of the small intestine: histochemical and immunohistochemical studies of 24 tumors. Iwafuchi M, et al. **Hum Pathol** 1987 Feb; 18(2):185–94

Changes in intestinal mucosa above lymph follicles during carcinogenesis in rats. A light and electron microscopic study. Shimamoto F, et al. **J Cancer Res Clin Oncol** 1987; 113(1):41–50

Adenocarcinoma of the large bowel and colitis in captive cotton–top tamarins Saguinus o. oedipus. Kirkwood JK, et al. **J Comp Pathol** 1986 Sep;96(5):507–15

Linitis plastica of the stomach and entire intestine. Cluysenaer OJ, et al. **Neth J Med** 1986;29(9):276–9

Lymphoreticular infiltrates in adenocarcinoma of the large intestine. Horny HP, et al. **Pathol Res Pract** 1987 Apr; 182(2):222–7

[Mastocytes in the process of cancerogenesis. I.Study of experimental model systems] Pastrňák A, et al. **Cesk Patol** 1986 Nov;22(4):210–3 (Eng. Abstr.) **(Cze)**

[Diffuse angiodysplasia of the small intestine] Kadiri B, et al. **Maroc Med** 1985 Sep;7(3):708–10 (Eng. Abstr.) **(Fre)**

[Leiomyoma of the small intestine. Apropos of 2 cases] Fodha M, et al. **Tunis Med** 1986 Jun–Jul;64(6–7):631–6 (Eng. Abstr.) **(Fre)**

[Small intestine adenomas—a precancerous condition? Analysis of a literature review] Sellner F. **Med Klin** 1986 Jul 18;81(15–16):520–3 (Eng. Abstr.) **(Ger)**

[Alport syndrome, status following kidney transplantation, malabsorption syndrome; multilocular intestinal Kaposi sarcoma] Bachor R, et al. **Pathologe** 1987 Mar;8(2):122–4 **(Ger)**

[Cancer induction by urinary drainage or diversion through intestinal segments?] Harzmann R, et al. **Urologe [A]** 1986 Jul;25(4):198–203 (Eng. Abstr.) **(Ger)**

[Biosynthesis and secretion of CEA by colon carcinoma cells— ultrastructural and immunocytochemical studies with the protein–A–gold method] Schulz A, et al. **Verh Dtsch Ges Pathol** 1986;70:269–73 (Eng. Abstr.) **(Ger)**

[Adenoma/dysplasia–carcinoma sequence in the small intestine] Hermanek P. **Z Gastroenterol** 1987 Mar; 25(3):166–7 **(Ger)**

[Diffuse intestinal polyangiomatosis as a cause of recurrent intestinal hemorrhage. Report of an unusual case] Reimold WV, et al. **Z Gastroenterol** 1987 Apr;25(4):207–20 (Eng. Abstr.) **(Ger)**

[Hypothesis on the existence of an adenoma–carcinoma

sequence in the small intestine] Sellner F. **Z Gastroenterol** 1987 Mar;25(3):151–65 (Eng. Abstr.) **(Ger)**

[Polypoid lesions of the large intestine] Yamagiwa H, et al. **Rinsho Byori** 1987 Apr;35(4):393–8 **(Jpn)**

[Carcinoid of the small intestine] Popescu I, et al. **Rev Chir [Chir]** 1986 Sep–Oct;35(5):373–9 (Eng. Abstr.) **(Rum)**

[Endoscopic interventions in creeping villous tumors of the large intestine] Strekalovskiĭ VP, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):72–5 (Eng. Abstr.) **(Rus)**

[Tumors of the small intestine. Analysis of 19 cases] Aguilar Luque J, et al. **Rev Esp Enferm Apar Dig** 1987 Jan; 71(1):27–30 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Inhibition of intestinal carcinogenesis by dietary supplementation with calcium. Appleton GV, et al. **Br J Surg** 1987 Jun;74(6):523–5

Effect of a long-acting analogue of somatostatin, SMS 201–995, on the development of intestinal tumours in azoxymethane-treated rats. Savage AP, et al. **Carcinogenesis** 1987 Apr;8(4):561–3

Suppressing effect of croton oil on intestinal carcinogenesis induced by methylazoxymethanol acetate in rats. Kato K, et al. **J Toxicol Sci** 1987 May;12(2):127–33

Inhibition of intestinal carcinogenesis in rats: effect of difluoromethylornithine with piroxicam or fish oil. Nigro ND, et al. **JNCI** 1986 Dec;77(6):1309–13

Public knowledge of bowel cancer and views on screening with the haemoccult test. Nichols S, et al. **Public Health** 1985 Mar;99(2):116–23

[Cancer preventive surgical indications in inflammatory intestinal diseases] Herfarth C, et al. **Chirurg** 1987 Apr; 58(4):221–7 **(Ger)**

[Is it necessary to remove polyps of the large intestine?] Malinovskiĭ NN, et al. **Khirurgiia (Mosk)** 1987 Jan;(1):80–2 **(Rus)**

RADIOGRAPHY

The role of angiography in the management of intestinal carcinoid. Strasberg Z, et al. **Angiology** 1975 Sep; 26(8):573–83

Annular malignancies of the small bowel. Levine MS, et al. **Gastrointest Radiol** 1987;12(1):53–8

Bowel cancer characteristics in patients with regional enteritis. Miller TL, et al. **Gastrointest Radiol** 1987; 12(1):45–52

Tumors of the small intestine with little or no malignant predisposition: a review of the literature and report of 56 cases. Olmsted WW, et al. **Gastrointest Radiol** 1987; 12(3):231–9

Computed tomographic staging of gastrointestinal malignancies. Part II. The small bowel, colon, and rectum. Qhompson WM, et al. **Invest Radiol** 1987 Feb;22(2):96–105 (45 ref.)

Carcinoid tumors: CT and I-131 meta-iodo-benzylguanidine scintigraphy. Adolph JM, et al. **Radiology** 1987 Jul; 164(1):199–203

RADIONUCLIDE IMAGING

Technetium-99m RBC scintigraphy in the evaluation of small bowel leiomyoma. McDonald KL. **Clin Nucl Med** 1987 Feb;12(2):131–3

Preoperative localization of intermittently bleeding small intestinal tumors using Tc-99m labeled red blood cell scanning. Report of two cases. Oliver GC, et al. **Dis Colon Rectum** 1987 Sep;30(9):715–20

Diagnostic red blood cell scintigraphy in GI tract bleeding from an intestinal hemangioma. Maeda M, et al. **J Pediatr Gastroenterol Nutr** 1986 Nov–Dec;5(6):987–9

Evaluation of immunolocalization in gastrointestinal cancer. Allum WH, et al. **NCI Monogr** 1987;(3):11–7

SECONDARY

Small bowel metastases from a Merkel cell tumor. Naunton Morgan TC, et al. **Br J Radiol** 1985 Dec;58(696):1212–3

Gastro-intestinal involvement with metastatic melanoma: clinical and pathological features. Blessing K, et al. **J R Coll Surg Edinb** 1986 Oct;31(5):293–5

Malignant melanoma involving the small bowel. Wilson BG, et al. **Postgrad Med J** 1986 May;62(727):355–7

[A case of intussusception due to intestinal metastasis of renal carcinoma] Yamada Y, et al. **Gan No Rinsho** 1986 Oct; 32(12):1604–9 (Eng. Abstr.) **(Jpn)**

[Intestinal metastasis of melanoma] Cerdán FJ, et al. **Rev Esp Enferm Apar Dig** 1987 Apr;71(4):349–52 (Eng. Abstr.) **(Spa)**

SURGERY

Role of ultrasound in the diagnosis of liver metastases before surgery for large bowel cancer. Grace RH, et al. **Br J Surg** 1987 Jun;74(6):480–1

A modified monopolar polypectomy snare for endoscopic high-frequency surgery in the gastrointestinal tract. Reimold WV. **Endoscopy** 1987 May;19(3):130–2

Primary tumours of the small intestine. Postma CT, et al. **Neth J Med** 1986;29(9):268–71

Endometriosis of the bowel. Weed JC, et al. **Obstet Gynecol** 1987 May;69(5):727–30

[Value of antibiotic prophylaxis in elective surgery of tumors of the digestive tract in patients at risk of infection. Review of our experience] Cafiero F, et al. **Minerva Chir** 1986 Oct 15;41(19):1655–9 (Eng. Abstr.) **(Ita)**

[Surgical approach in cancer of the large intestine] Viliavin GD. **Khirurgiia (Mosk)** 1986 Oct;(10):133–6 (Eng. Abstr.) **(Rus)**

[Surgical prophylaxis of peritonitis and other suppurative-inflammatory complications following intra-abdominal resections in cancer of the large intestine] Seĭtshaeva VS, et al. **Vopr Onkol** 1987;33(2):93–8 (Eng. Abstr.) **(Rus)**

THERAPY

Survival of surgical patients with carcinoma, lymphoma and carcinoid tumours of the small bowel. Taggart DP, et al. **Br J Surg** 1986 Oct;73(10):826–8

[Tumors of the small intestine. Results. 1 to 9-year follow-up] González González JJ, et al. **Rev Esp Enferm Apar Dig** 1986 Oct;70(4):308–10 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

[Activity of the nucleolar organizers of the cells in epithelial tumors of the human large intestine] Mamaev NN, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):763–5 (Eng. Abstr.) **(Rus)**

[Ultrastructural analysis of villous tumors of the large intestine (with the use of a computer)] Domanin AA, et al. **Vopr Onkol** 1987;33(1):31–5 (Eng. Abstr.) **(Rus)**

URINE

[Urinary 5-HIAA stimulation test for the diagnosis of carcinoid syndrome caused by carcinoid tumors of the middle intestine] Varas MJ, et al. **Rev Esp Enferm Apar Dig** 1986 Oct;70(4):311–5 (Eng. Abstr.) **(Spa)**

INTESTINAL OBSTRUCTION

BLOOD

Positive minor cross-reaction due to red blood cell T-activation in a neonate with perforated colon. Lenz G, et al. **Infusionsther Klin Ernahr** 1987 Apr;14 Suppl 2:43–4

[Measurement of serum inorganic phosphorus in strangulated intestinal obstruction] Lu SH, et al. **Chung Hua Wai Ko Tsa Chih** 1986 May;24(5):279–81, 316 (Eng. Abstr.) **(Chi)**

CHEMICALLY INDUCED

Recurrent small bowel obstruction associated with piroxicam [letter] Johnston F. **Br J Surg** 1987 Jul;74(7):654

Recurrent small bowel obstruction associated with piroxicam. Sukumar L. **Br J Surg** 1987 Mar;74(3):186

[An unusual cause of parietal intestinal involvement: enteropathy due to clofazimine. Apropos of a case] Hassan M, et al. **Ann Radiol (Paris)** 1986;29(6):549–52 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Bifid-appendix volvulus. Impieri M, et al. **Acta Gastroenterol Belg** 1986 Sep–Oct;49(5):536–8

Intrauterine intestinal volvulus with hemoperitoneum presenting as fetal distress at 34 weeks' gestation. Witter FR, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1080–1

Transverse colon volvulus associated with a vascular and neuronal malformation. Chalmers AG, et al. **Br J Radiol** 1985 Nov;58(695):1134–6

Volvulus of the small bowel into a pouch in the field of Treves presenting with anaemia. Lewis JL, et al. **Br J Radiol** 1985 Nov;58(695):1132–4

Sigmoid volvulus in association with Crohn's disease of the colon. Payne-James JJ. **Br J Surg** 1986 Dec;73(12):1005

Sigmoid volvulus in acromegaly. McFadden JP, et al. **Can Med Assoc J** 1987 May 15;136(10):1060

The Chilaiditi syndrome and associated volvulus of the transverse colon. An indication for surgical therapy. Orangio GR, et al. **Dis Colon Rectum** 1986 Oct;29(10):653–6

Perforated appendicitis and obstructing colonic carcinoma in the elderly. Sumpio BE, et al. **Dis Colon Rectum** 1986 Oct;29(10):668–70

Sigmoid volvulus in association with parkinsonism. Report of four cases. Rosenthal MJ, et al. **J Am Geriatr Soc** 1987 Jul;35(7):683–4

Concurrent ectopic pregnancy, Meckel's diverticulum with vitelline duct remnant, cecal volvulus, and congenital complete heart block: report of a case. Martin RH, et al. **J Am Osteopath Assoc** 1986 Sep;86(9):589–91

Migration of Angelchik prosthesis and small bowel obstruction. Arpayoglou A, et al. **J Arkansas Med Soc** 1987 Apr;83(11):437–8

Does fetal gut obstruction cause hydramnios and growth retardation? Pierro A, et al. **J Pediatr Surg** 1987 May; 22(5):454–7

Multiple proximal jejunal perforations in gallstone ileus. Al-Fallouji MA. **J R Coll Surg Edinb** 1986 Aug;31(4):237

Group D nonenterococcal endocarditis associated with benign large bowel obstruction. Neufeld RJ, et al. **Md Med J** 1986 Oct;35(10):857–60

Vascular compromise in chronic volvulus with midgut malrotation. Mori H, et al. **Pediatr Radiol** 1987;17(4):277–81

Simultaneous intussusception and volvulus in an adult due to a congenital fibrous band. Robertson JF, et al. **Scott Med J** 1986 Oct;31(4):245–6

[Simultaneous occurrence of a stone in an inflamed Meckel's diverticulum and gallstone ileus] Simonsen L, et al. **Ugeskr Laeger** 1987 Feb 23;149(9):601–2 (Eng. Abstr.) **(Dan)**

[An unusual cause of near-miss sudden death in infants: intermittent volvulus of the small intestine on the mesenterium commune] Thibaud D, et al. **Arch Fr Pediatr** 1986 Aug–Sep;43(7):503–4 (Eng. Abstr.) **(Fre)**

[Ileal occlusion associated with ascites following delivery] Manenti A, et al. **Rev Fr Gynecol Obstet** 1987 Jun; 82(6):439–40 (Eng. Abstr.) **(Fre)**

CONGENITAL

Efficacy of antibody NF2F11 staining in the investigation of severe long-standing constipation. A preliminary report. Klück P, et al. **Gastroenterology** 1987 Oct;93(4):872–5

Duodenal duplication—3 new cases. Walker J, et al. **Z Kinderchir** 1986 Dec;41(6):338–9

[Rare cases of intestinal obstruction in newborn infants] Gorelova EM, et al. **Klin Khir** 1987;(6):72 **(Rus)**

DIAGNOSIS

Intestinal obstruction with strangulation of the small bowel. Otamiri T, et al. **Acta Chir Scand** 1987 Apr;153(4):307–10

Prenatal detection of intestinal obstructions, aneuploidy syndromes, and cystic fibrosis by microvillar enzyme assays (disaccharidases, alkaline phosphatase, and glutamyltransferase) in amniotic fluid. Morin PR, et al. **Am J Med Genet** 1987 Feb;26(2):405–15

Bowel sounds during intermittent positive pressure ventilation [letter] Shelly MP, et al. **Anaesthesia** 1987 Feb; 42(2):207–9

Normal and pathological bowel sound patterns. Arnbjörnsson E. **Ann Chir Gynaecol** 1986;75(6):314–8

Endoscopy in colonic volvulus. Brothers TE, et al. **Ann Surg** 1987 Jul;206(1):1–4

Midgut malrotation diagnosed by ultrasound. Gaines PA, et al. **Clin Radiol** 1987 Jan;38(1):51–3

Midgut malrotation diagnosed by ultrasound [letter] Nichols DM, et al. **Clin Radiol** 1987 Jul;38(4):455

Peritonitis and small bowel obstruction. Baumgardner DJ, et al. **IMJ** 1987 Feb;171(2):75–8

Cecal bascule: report of a case. Feinman LJ, et al. **J Am Osteopath Assoc** 1987 May;87(5):377–9

Gallstone ileus: criteria for preoperative diagnosis. Sobolewski VJ 3d. **J Am Osteopath Assoc** 1987 Jul; 87(7):484–7

Antenatal diagnosis of fetal digestive (sub)obstruction. Ultrasonic semeiology and follow-up. Avni EF, et al. **J Belge Radiol** 1986;69(4):241–6

Enteroliths in a Meckel's diverticulum mimicking gallstone ileus. Justus PG, et al. **J Fam Pract** 1987 Mar;24(3):299–300

Gallstone ileus diagnosed preoperatively using ultrasonic tomography. Miyata T, et al. **Jpn J Surg** 1987 Mar; 17(2):136–9

Late diagnosis of isolated incomplete rotation of the duodenum in a child. Weinberg B, et al. **Mt Sinai J Med (NY)** 1987 Feb;54(2):165–7

Calibration of stenosis of the small intestine with marbles. Bijnen AB, et al. **Surg Gynecol Obstet** 1987 Feb;164(2):175

Fetal megaureters masquerading as bowel obstruction. Dorenbaum D, et al. **Urology** 1986 Oct;28(4):297–8

[Duodenal stasis with a clinical manifestation of high intestinal obstruction] Uzunov A, et al. **Khirurgiia (Sofiia)** 1986;39(6):68–70 **(Bul)**

[Assessment of clinical symptoms in the diagnosis of obstruction of the large intestine of neoplastic origin] Zlatarski G, et al. **Khirurgiia (Sofiia)** 1986;39(4):1–4 (Eng. Abstr.) **(Bul)**

[Cecal hernia into the lesser sac] Simonsen AC, et al. **Ugeskr Laeger** 1987 Apr 13;149(16):1070–1 (Eng. Abstr.) **(Dan)**

[Ileus and pregnancy] Wilken-Jensen C. **Ugeskr Laeger** 1987 Apr 6;149(15):986 (Eng. Abstr.) **(Dan)**

[Colonic inertia and rectal obstruction (Arbuthnot Lane disease)] Willocx R. **Ann Gastroenterol Hepatol (Paris)** 1986 Nov;22(6):347–52 (30 ref.) (Eng. Abstr.) **(Fre)**

[Gallstone ileus (letter)] Wagner A, et al. **Dtsch Med Wochenschr** 1987 Aug 28;112(35):1357–8 **(Ger)**

[Extragenital endometriosis—abdominal manifestations and complications (a general review)] Marczell A, et al. **Wien Klin Wochenschr** 1987 Apr 17;99(8):273–6 (Eng. Abstr.) **(Ger)**

[Invagination ileus as an acute disease picture—also in the adult] Hothorn W. **Z Arztl Fortbild (Jena)** 1986; 80(19):815–8 **(Ger)**

[Ultrasound diagnosis in ileus] Weiner R, et al. **Zentralbl Chir** 1987;112(11):691–5 (Eng. Abstr.) **(Ger)**

[Can simple small bowel obstruction be differentiated from strangulated obstruction?] Itzkovitz D, et al. **Harefuah** 1986 Nov 2;111(9):220–2 (Eng. Abstr.) **(Heb)**

[A case of chronic intestinal pseudo-obstruction. Problems of differential diagnosis] Soardi GA, et al. **Radiol Med (Torino)** 1986 Oct;72(10):772–5 **(Ita)**

[A case of gallstone ileus diagnosed by ultrasonography]

Takada T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Aug;83(8):1544–7 **(Jpn)**

[Volvulus of the small intestine (letter)] Hebra A, et al. **Rev Paul Med** 1985 Nov–Dec;103(6):321 **(Por)**

[Endoscopic examination in acute large intestinal obstruction] Sinev IuV, et al. **Khirurgiia (Mosk)** 1987 Mar;(3):27–30 (Eng. Abstr.) **(Rus)**

[Characteristics of the clinical course and treatment of postoperative adhesive obstruction] Askerkhanov RP, et al. **Vestn Khir** 1986 Sep;137(9):125–9 **(Rus)**

[Visual angiotensometry in operations for acute intestinal obstruction and strangulated hernia] Rukhliada NV, et al. **Vestn Khir** 1987 Jan;138(1):33–6 (Eng. Abstr.) **(Rus)**

[Rare forms of acute intestinal obstruction] Zubarev PN, et al. **Vestn Khir** 1986 Nov;137(11):29–33 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Gastrografin in acute meconium ileus equivalent. O'Halloran SM, et al. **Arch Dis Child** 1986 Nov;61(11):1128–30

Cytoprotective agents in experimental small bowel volvulus. Goldman CD, et al. **J Pediatr Surg** 1987 Mar;22(3):260–3

Liver injury after oral and rectal administration of N-acetylcysteine for meconium ileus equivalent in a patient with cystic fibrosis. Bailey DJ, et al. **Pediatrics** 1987 Feb; 79(2):281–2

Beta-adrenoceptor blockade in the treatment of postoperative adynamic ileus. Hallerbäck B, et al. **Scand J Gastroenterol** 1987 Mar;22(2):149–55

Effect of combined blockade of beta-adrenoceptors and acetylcholinesterase in the treatment of postoperative ileus after cholecystectomy. Hallerbäck B, et al. **Scand J Gastroenterol** 1987 May;22(4):420–4

[A case of malignant pheochromocytoma complicated with severe paralytic ileus: in special reference to the long-term treatment with parenteral alpha and beta adrenoreceptor blockers] Sugawara T, et al. **Nippon Naika Gakkai Zasshi** 1986 Jul;75(7):951–6 **(Jpn)**

ETIOLOGY

Early postoperative ileus following appendectomy. Skácel V, et al. **Acta Univ Palacki Olomuc Fac Med** 1986;114:313–7

Small-bowel obstruction due to an intestinal balloon: treatment by percutaneous needle puncture. Sato Y, et al. **AJR** 1986 Nov;147(5):1019–20

Enterolith ileus resulting from small bowel diverticulosis. Beal SL, et al. **Am J Gastroenterol** 1987 Feb;82(2):162–4

Small intestinal obstruction secondary to obturation by a Garren gastric bubble. Boyle TM, et al. **Am J Gastroenterol** 1987 Jan;82(1):51–3

Bouveret's syndrome presenting as upper gastrointestinal hemorrhage. Chait MM, et al. **Am J Gastroenterol** 1986 Dec;81(12):1199–201

Colonic obstruction as the first manifestation of ovarian carcinoma. Feller E, et al. **Am J Gastroenterol** 1987 Jan; 82(1):25–8

Intramural duodenal hematoma: an unusual complication of endoscopic small bowel biopsy. Ghishan FK, et al. **Am J Gastroenterol** 1987 Apr;82(4):368–70 (11 ref.)

Incomplete small bowel obstruction by the Garren-Edwards gastric bubble necessitating surgical intervention. Kirby DF, et al. **Am J Gastroenterol** 1987 Mar;82(3):251–3

Colon obstruction by ovarian carcinoma revisited [letter] Manning RJ. **Am J Gastroenterol** 1987 Aug;82(8):805

Appendiceal obstruction by a toothpick removed at colonoscopy. Meltzer SJ, et al. **Am J Gastroenterol** 1986 Nov;81(11):1107–8

Eosinophilic gastroenteritis presenting with biliary and duodenal obstruction. Rumans MC, et al. **Am J Gastroenterol** 1987 Aug;82(8):775–8

Indiscretion enteritis. A Rabelaisian syndrome. Robin ED, et al. **Am J Med** 1986 Dec;81(6):1108–12

Mechanical intestinal obstruction in patients with gynecologic disease: a review of 368 patients. Krebs HB, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):577–83

Gallstone ileus. Moss JF, et al. **Am Surg** 1987 Aug;53(8):424–8

Rectal impaction of gallstone [letter] Dickey W, et al. **Br J Hosp Med** 1987 Jun;37(6):556–7

Colonic gallstone obstruction: routes of entry [letter] Pender DJ. **Br J Hosp Med** 1987 Jun;37(6):557

Obstruction of the colon by a giant gallstone. Phillips DE, et al. **Br J Hosp Med** 1986 Dec;36(6):444

Neonatal intestinal obstruction. Sweeney JL, et al. **Br J Hosp Med** 1987 Mar;37(3):255–8

Inadvertent inflation of the balloon: a rare but serious complication of Miller-Abbott intubation. Cho SR, et al. **Br J Radiol** 1987 Jun;60(714):547–51

Major causes of intestinal obstruction in Libya. Kuruvilla MJ, et al. **Br J Surg** 1987 Apr;74(4):314–5

Strangulating small bowel obstruction due to an intra-uterine contraceptive device. Reinbach D, et al. **Br J Surg** 1987 Feb;74(2):112

Incidence of postoperative adhesion obstruction following neonatal laparotomy. Wilkins BM, et al. **Br J Surg** 1986 Sep;73(9):762–4

Strangulated femoral hernia containing acute gangrenous appendicitis: case report and review of the literature. Khatib CM. **Can J Surg** 1987 Jan;30(1):50

Small-bowel obstruction after conservative treatment of gastric bezoar. Kilam SK, et al. **Can J Surg** 1986 Sep; 29(5):369, 371

Small bowel obstruction as a complication of Kawasaki disease. Murphy DJ Jr, et al. **Clin Pediatr (Phila)** 1987 Apr; 26(4):193–6

Gallstone ileus [letter] Cappell MS. **Dig Dis Sci** 1987 Mar; 32(3):333–4

Pancreatitis and large bowel obstruction [letter] Huizinga WK, et al. **Dig Dis Sci** 1987 Jan;32(1):108–9

A lumbar hernia presenting as an obstructing lesion of the colon. Horovitz IL, et al. **Dis Colon Rectum** 1986 Nov; 29(11):742–4

Paracecal hernia: a cause of intestinal obstruction. Rivkind AI, et al. **Dis Colon Rectum** 1986 Nov;29(11):752–4

Endoscopic laser vaporization of obstructing left colonic cancer to avoid decompressive colostomy. Eckhauser ML. **Gastrointest Endosc** 1987 Apr;33(2):105–6

Intestinal obstruction caused by a gastric bubble [letter] Kartsonis AP, et al. **Gastrointest Endosc** 1987 Jun;33(3):268

Complications of endoscopic gastrostomy: pneumoperitoneum and volvulus of the colon. Ghahremani GG, et al. **Gastrointest Radiol** 1987;12(2):172–4

Hyperbaric therapy for the removal of an obstructing intestinal tube balloon. Lautin EM, et al. **Gastrointest Radiol** 1987;12(3):243–4

Acquired pseudoobstruction of the colon due to segmental hypoganglionosis. Matsui T, et al. **Gastrointest Radiol** 1987; 12(3):262–4

Bowel obstruction in 'burned out' Crohn's. Kandel G, et al. **Hosp Pract [Off]** 1987 Jul 15;22(7):142–5, 148

Abdominal cocoon causing small bowel obstruction [letter] Bhatnagar A, et al. **Indian J Gastroenterol** 1987 Jan; 6(1):55–6

Distension of intestinal tube balloons causing small bowel obstruction. Shapir J, et al. **J Can Assoc Radiol** 1986 Sep; 37(3):203–5

Ischemic jejunal stenosis and blind loop syndrome after blunt abdominal trauma. Isaacs P, et al. **J Clin Gastroenterol** 1987 Feb;9(1):96–8

Midgut volvulus in the adult. A complication of intestinal malrotation. Rowsom JT, et al. **J Clin Gastroenterol** 1987 Apr;9(2):212–6

Gastrointestinal obstruction associated with multiple-dose activated charcoal. Watson WA, et al. **J Emerg Med** 1986; 4(5):401–7

Obturator hernia--a rare cause of intestinal obstruction. Angstman KB, et al. **J Fam Pract** 1986 Oct;23(4):370–2

Management of roundworm obstruction in the light of pathogenesis. Sarkar PK, et al. **J Indian Med Assoc** 1987 Jan;85(1):5–8

Adynamic ileus associated with invasion of the myenteric nerve plexus by a peritoneal mesothelioma. Johnson HR, et al. **J Natl Med Assoc** 1987 Jul;79(7):770–1, 774

Intestinal obstruction in Crohn's disease in childhood. Kirchmann HM, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan–Feb;6(1):79–83

Postoperative small bowel obstruction in infants and children: a problem following Nissen fundoplication [letter] Bettex M. **J Pediatr Surg** 1986 Sep;21(9):829

Microdiverticulitis: a rare but distinct cause of small bowel obstruction in early infancy. Cooper A, et al. **J Pediatr Surg** 1987 Jun;22(6):552–5

The meconium ileus equivalent following appendectomy. Jona JZ, et al. **J Pediatr Surg** 1987 Feb;22(2):148–9

Obstruction and gangrene of bowel with perforation due to a mesenteric cyst in a newborn. Kovalivker M, et al. **J Pediatr Surg** 1987 Apr;22(4):377–8

Richter's hernia in the neonate. Shanbhogue LK, et al. **J Pediatr Surg** 1986 Oct;21(10):881–2

Post-traumatic small bowel stenosis. Howard PW, et al. **J R Coll Surg Edinb** 1987 Apr;32(2):124–5

Incisional hernia of the diaphragm causing large bowel obstruction. Johnson CD, et al. **J R Coll Surg Edinb** 1987 Feb;32(1):51–2

Small bowel obstruction: a review of 456 cases in a west of Ireland region. Cross KS, et al. **J R Soc Med** 1987 Mar; 80(3):149–50

Acute bowel entrapment and perforation following operative reduction of pelvic fracture. Lin PS, et al. **J Trauma** 1987 Jun;27(6):684–6

Jejunal entrapment of a gastric balloon [letter] Fleisher A, et al. **JAMA** 1987 Feb 20;257(7):930

Gallstone ileus: recent experience at Brooke Army Medical Center. Kunkel JM. **Milit Med** 1986 Sep;151(9):485–6

Ileal endometriosis causing acute small-bowel obstruction. Agha FP, et al. **Mt Sinai J Med (NY)** 1986 Jun; 53(6):497–500

Vomiting and abdominal distention in young infants. Swischuck LE. **Pediatr Emerg Care** 1987 Jun;3(2):131–2

Ileal stricturing after long-term indomethacin treatment. Saverymuttu SH, et al. **Postgrad Med J** 1986 Oct; 62(732):967–8

Gallstone obstruction of the intestine: an analysis of ten patients and a review of the literature. van Hillo M, et al. **Surgery** 1987 Mar;101(3):273–6 (24 ref.)

[Extramural obstruction of the sigmoid by the postpartum uterus after cesarean section] Grossmannová H, et al. **Cesk Gynekol** 1987 Apr;52(3):212–4 **(Cze)**

[Endometriosis causing intestinal stenosis] Jensen M. **Ugeskr Laeger** 1986 Oct 20;148(43):2770 (Eng. Abstr.) **(Dan)**

[Lymphangioma of the mesentery as the cause of intestinal obstruction] Varmarken JE, et al. **Ugeskr Laeger** 1987 Feb 23;149(9):598–9 (Eng. Abstr.) **(Dan)**

[Gallstone ileus (letter)] Puylaert JB, et al. **Ned Tijdschr Geneeskd** 1987 Feb 28;131(9):377 **(Dut)**

[Gallstone ileus (published erratum appears in Ned Tidjdschr Geneeskd 1986 Nov 15;130(46):2112)] van der Vliet JA, et al. **Ned Tijdschr Geneeskd** 1986 Oct 4;130(40):1777–9 **(Dut)**

[Strangulated elytrocele. A rare cause of small intestine obstruction (letter)] Achek S, et al. **Presse Med** 1987 Sep 19;16(30):1484 **(Fre)**

[Strangulated lumbar hernia: a rare cause of intestinal occlusion (letter)] Carrelet T, et al. **Presse Med** 1987 Apr 4;16(12):586–7 **(Fre)**

[Acute abdomen in familial Mediterranean fever. False or true surgical abdomen? (letter)] Feneyrou B, et al. **Presse Med** 1986 Sep 20;15(30):1422 **(Fre)**

[Acute intestinal occlusion in periodic disease (or familial Mediterranean fever) (letter)] Petit J, et al. **Presse Med** 1987 Feb 7;16(4):178–9 **(Fre)**

[Ileus in enterothorax caused by right-sided rupture of the diaphragm. A case report] Schmidt H, et al. **Aktuel Traumatol** 1986 Dec;16(6):241–3 (Eng. Abstr.) **(Ger)**

[Unusual cause of mechanical ileus] Strigl M. **Chirurg** 1987 Apr;58(4):299 **(Ger)**

[Gallstone ileus] Sandbichler P, et al. **Dtsch Med Wochenschr** 1987 Jul 3;112(27):1079–81 (Eng. Abstr.) **(Ger)**

[Balloon ileus as an unusual complication of enteral tube feeding] Zschiedrich M. **Dtsch Med Wochenschr** 1987 Aug 14;112(33):1261–3 (Eng. Abstr.) **(Ger)**

[Postoperative ileus] Schmidt-Matthiesen H, et al. **Geburtshilfe Frauenheilkd** 1987 Apr;47(4):217–23 (Eng. Abstr.) **(Ger)**

[Cow's milk protein intolerance as a cause of small bowel occlusion] Pittschieler K. **Helv Paediatr Acta** 1986 Dec; 41(5):461–4 (Eng. Abstr.) **(Ger)**

[Recurrent subileus: an early symptom of a non-Hodgkin lymphoma of the small intestine] Lankisch PG, et al. **Internist (Berlin)** 1986 Nov;27(11):729–31 **(Ger)**

[Severe obstructive ileus caused by a linseed bezoar. Case report with critical comment on the use of dietary fiber] Hardt M, et al. **Med Klin** 1986 Jul 18;81(15–16):541–3 **(Ger)**

[Ultrasonic detection of gallstone ileus] Uebel HE, et al. **Rontgenblatter** 1987 Apr;40(4):107–9 (Eng. Abstr.) **(Ger)**

[Strangulated obturator hernia] Waizer A, et al. **Harefuah** 1986 Oct;111(7–8):179–80 (Eng. Abstr.) **(Heb)**

[Biliary ileus. Clinical and therapeutic considerations] Donzelli G, et al. **Minerva Chir** 1987 Apr 30;42(8):707–12 (Eng. Abstr.) **(Ita)**

[Unusual case of giant mucocele of the appendix as the cause of acute intestinal occlusion] Doria FE, et al. **Minerva Chir** 1987 Apr 30;42(8):721–6 **(Ita)**

[Pseudoneoplastic occlusion of the colon. Considerations on 7 cases] D'Ottavio G, et al. **Minerva Chir** 1987 Apr 15; 42(7):625–7 (Eng. Abstr.) **(Ita)**

[Gallstone ileus. Considerations on 14 clinical cases] Guerzoni AP, et al. **Minerva Chir** 1987 Mar 31;42(6):543–6 (Eng. Abstr.) **(Ita)**

[Intestinal occlusion caused by bezoar. Clinical contribution] Pancaldi R, et al. **Minerva Chir** 1987 Feb 15;42(3):229–31 (Eng. Abstr.) **(Ita)**

[Biliary ileus] Scurelli A, et al. **Minerva Chir** 1986 Nov 15; 41(21):1851–6 (Eng. Abstr.) **(Ita)**

[Endometriosis of the small intestine. Description of a case with obstruction of the distal ileum] Fanucci E, et al. **Radiol Med (Torino)** 1986 Oct;72(10):767–9 **(Ita)**

[Marfan syndrome and pregnancy. A life-threatening combination?] Brabrand K, et al. **Tidsskr Nor Laegeforen** 1987 Apr 10;107(10–11):939–40 (Eng. Abstr.) **(Nor)**

[Gallstone ileus] Funder V, et al. **Tidsskr Nor Laegeforen** 1987 Feb 10;107(4):367–8 (Eng. Abstr.) **(Nor)**

[A case of splenosis causing intestinal strangulation and extensive necrosis] Fibak J, et al. **Pol Tyg Lek** 1986 Aug 18;41(33):1049–50 (Eng. Abstr.) **(Pol)**

[Recurrent intestinal obstruction caused by biliary calculi] Tereszczyk T, et al. **Wiad Lek** 1987 Feb 15;40(4):271–4 (Eng. Abstr.) **(Pol)**

[Incarcerated obturator hernia] Aksenov IV. **Khirurgiia (Mosk)** 1987 Mar;(3):116–7 **(Rus)**

[Intestinal obstruction caused by incarcerated internal ventral hernia] Filippov AA, et al. **Khirurgiia (Mosk)** 1987 Mar; (3):116 **(Rus)**

[Congenital defect of the sigmoid mesentery as a cause of the development of early postoperative obstruction of the large intestine] Baramiia NN, et al. **Klin Khir** 1987;(4):63 **(Rus)**

[Benign tumors of the small intestine causing intestinal obstruction] Manukian GS. **Klin Khir** 1987;(2):39–40 **(Rus)**

[Acute intestinal obstruction caused by ascaridia] Nikonov AA. **Klin Khir** 1987;(2):42 **(Rus)**

[Emergency surgical treatment of complicated cysts of the mesentery of the small intestine] Skripnichenko DF, et al. **Klin Khir** 1987;(2):45 **(Rus)**

[Small intestine obstruction in late radiation enterocolitis] Kurpresheva AK, et al. **Med Radiol (Mosk)** 1987 Jun; 32(6):70–3 **(Rus)**

[Rare case of intestinal obstruction] Komarov NV, et al. **Pediatriia** 1986 Dec;(12):48–9 **(Rus)**

[Surgical tactics in obturating and perforating cancer of the

large intestine] Nartsissov TV, et al. **Sov Med** 1987;(2):86–9 **(Rus)**

[Renal oncocytoma. Presentation of a case associated with carcinoma of the colon] Quiñonero Díaz A, et al. **Actas Urol Esp** 1987 Jan–Feb;11(1):87–92 (Eng. Abstr.) **(Spa)**

[Influence of general anesthetic agents on postoperative paralytic ileus. Experimental study in dogs] Alcaraz Lorente PJ, et al. **Rev Esp Anestesiol Reanim** 1987 Mar–Apr;34(2):108–14 (Eng. Abstr.) **(Spa)**

[Intestinal obstruction by a phytobezoar (letter)] Berenguer González J, et al. **Rev Esp Enferm Apar Dig** 1987 Jun; 71(6):552–3 **(Spa)**

[Bouveret's syndrome. Presentation of a new case] Martín Duce A, et al. **Rev Esp Enferm Apar Dig** 1987 Jul;72(1):62–4 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Neuropathic intestinal pseudoobstruction [letter] Levy N, et al. **Gastroenterology** 1987 Oct;93(4):916

HISTORY

Classic articles in colonic and rectal surgery. James Luke 1799–1881. A case of obstruction of the colon, relieved by an operation performed at the groin. **Dis Colon Rectum** 1987 Feb;30(2):150–5

IMMUNOLOGY

Acquired B character in a "A" group subject (a case report). Prakash S, et al. **Indian J Pathol Microbiol** 1986 Oct; 29(4):422–6

METABOLISM

[Production, absorption and excretion of phenols in intestinal obstruction] Kawamoto M. **Nippon Geka Gakkai Zasshi** 1986 Nov;87(11):1426–31 (Eng. Abstr.) **(Jpn)**

MORTALITY

Mortality in patients with obstructing colorectal cancer. Waidron RP, et al. **Ann R Coll Surg Engl** 1986 Jul; 68(4):219–21

Intestinal obstruction as a cause of death in the mentally handicapped. Roy A, et al. **J Ment Defic Res** 1987 Jun; 31 (Pt 2):193–7

OCCURRENCE

Adhesive small bowel obstruction. A review of 321 cases in a Thai hospital. Tanphiphat C, et al. **Am J Surg** 1987 Sep;154(3):283–7

PATHOLOGY

Natural history of the obstructed rabbit appendix: observations with radiography, sonography, and CT. Dachman AH, et al. **AJR** 1987 Feb;148(2):281–4

Retrogastric hernia through the lesser omentum: a rare complication of proctocolectomy. Ross AH, et al. **J R Coll Surg Edinb** 1987 Feb;32(1):53–4

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 5–1987. A 48–year–old woman with intermittent abdominal pain of four years' duration. **N Engl J Med** 1987 Jan 29;316(5):261–8

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 7–1987. A 46–year–old woman with abdominal pain, ascites, and a pelvic mass. **N Engl J Med** 1987 Feb 12;316(7):394–403

[Sigmoid volvulus associated with volvulus of the small intestine. Apropos of 2 cases and a review of the literature] Dziri C, et al. **Tunis Med** 1986 Jun–Jul;64(6–7):625–9 (6 ref.) (Eng. Abstr.) **(Fre)**

[Nonspecific granulomatous ulcerating inflammation of the small intestine as a rare cause of ileus] Kapral W, et al. **Zentralbl Chir** 1987;112(11):717–22 **(Ger)**

[Gastric phytobezoars and small intestine obturation in the late period after vagotomy] Karaman NV, et al. **Klin Khir** 1986;(11):56–7 **(Rus)**

PHYSIOPATHOLOGY

Mechanical compliance of the small intestine related to long–standing obstruction. An experimental study in rats. Enochsson L, et al. **Acta Chir Scand** 1986 Oct;152:617–21

Hoofbeats of a zebra in the emergency room. Halle AA 3d, et al. **Hosp Pract [Off]** 1986 Oct 15;21(10):124H, 124J, 124L passim

Gastrointestinal motility following small bowel obstruction in the opossum. Coelho JC, et al. **J Surg Res** 1986 Sep; 41(3):274–8

The physiology of intestinal oxygenation and the pathophysiology of intestinal ileus. Malone PC. **Med Hypotheses** 1987 Feb;22(2):111–57 (90 ref.)

RADIOGRAPHY

CT diagnosis of primary small–bowel volvulus. Jaramillo D, et al. **AJR** 1986 Nov;147(5):941–2

Use of tubes and radiographs in the management of small bowel obstruction. Brolin RE, et al. **Ann Surg** 1987 Aug; 206(2):126–33

Heterotopic gastric mucosa presenting as small–bowel obstruction. Lodge JP, et al. **Br J Radiol** 1987 Jul; 60(715):710–2

Small bowel obstruction due to enterolith: CT appearance. Berry DF, et al. **J Comput Assist Tomogr** 1987 Jul–Aug; 11(4):707–8

Transverse colon volvulus in a child with pathologic aerophagia. Trillis F Jr, et al. **J Pediatr Surg** 1986 Nov; 21(11):966–8

Volvulus of the descending colon. O'Shea JS, et al. **NY State J Med** 1987 Jul;87(7):406–7

An unusual volvulus—the ileosigmoid knot. Johnson CD. **Postgrad Med J** 1986 Jan;62(723):47–9

Cardiac herniation and volvulus: radiographic findings. Brady MB, et al. **Radiology** 1986 Dec;161(3):657–8

[Volvulus of the cecum and sigmoid] Van Daele G, et al. **Acta Chir Belg** 1987 May–Jun;87(3):158–62 (Eng. Abstr.) **(Dut)**

[Value of small intestine transit by enteroclysis in obstructive syndromes of the small intestine. Apropos of 212 examinations] Schmutz G, et al. **J Radiol** 1987 Jan; 68(1):23–9 (Eng. Abstr.) **(Fre)**

[Misinterpretation of roentgenologically visible stenoses of the large intestine] Meyer HH, et al. **Zentralbl Chir** 1986; 111(23):1489–93 **(Ger)**

[Ways of improving the diagnosis of acute large intestinal obstruction] Pruchanskii VS, et al. **Vestn Khir** 1987 Mar; 138(3):47–51 (Eng. Abstr.) **(Rus)**

[Differential roentgenologic diagnosis of mechanical and functional intestinal obstruction] Shcherbatenko MK, et al. **Vestn Rentgenol Radiol** 1986 Sep–Oct;(5):46–53 (Eng. Abstr.) **(Rus)**

[Intestinal obstruction in the adult] de Diego Rey P, et al. **Rev Clin Esp** 1987 Mar;180(4):214–5 **(Spa)**

RADIONUCLIDE IMAGING

The cholescintigraphic pattern of small bowel obstruction. Tobin M, et al. **Clin Nucl Med** 1987 Mar;12(3):223–5

SURGERY

Temporary Witzel enterostomy in decompensated small–bowel obstruction or paralytic ileus. Paes EH, et al. **Acta Chir Scand** 1986 Aug–Sep;152:521–5

Percutaneous decompression of cecal volvulus. Patel D, et al. **AJR** 1987 Apr;148(4):747–8

Cecal volvulus: decompression and detorsion with a colonoscopically placed drainage tube. Janardhanan R, et al. **Am J Gastroenterol** 1987 Sep;82(9):912–4

Internal herniation through a defect in the broad ligament. Simstein NL. **Am Surg** 1987 May;53(5):258–9

Hernia through the foramen of Winslow: a complication of cholecystectomy. A case report. Valenziano CP, et al. **Am Surg** 1987 May;53(5):254–7

Axial volvulus of Meckel's diverticulum: a rare cause of acute abdominal pain. Guss DA, et al. **Ann Emerg Med** 1987 Jul;16(7):811–2

A new technique for excision of recurrent anastomotic strictures of the rectum. Hinton CP, et al. **Ann R Coll Surg Engl** 1986 Sep;68(5):260–1

Colostomy or ileostomy after colorectal anastomosis? A randomised trial [letter] Pollock AV. **Ann R Coll Surg Engl** 1987 May;69(3):147–8

And another giant gallstone [letter] Hillyard JW, et al. **Br J Hosp Med** 1987 Jun;37(6):557

Anorectal myectomy for outlet obstruction. Yoshioka K, et al. **Br J Surg** 1987 May;74(5):373–6

New options in the surgical management of Crohn's disease. Whelan PJ, et al. **Can J Surg** 1987 Mar;30(2):133–6

One–stage operation for obstructing carcinomas of the left colon and rectum. Feng YS, et al. **Dis Colon Rectum** 1987 Jan;30(1):29–32

Sigmoid volvulus at Kitale District Hospital: preliminary results. Nyarango PM. **East Afr Med J** 1986 Nov; 63(11):742–8

Endoscopic management of anastomotic colon strictures with electrocautery and balloon dilation. Neufeld DM, et al. **Gastrointest Endosc** 1987 Feb;33(1):24–6

Surgical management of intestinal obstruction in ovarian cancer. I. Clinical features, postoperative complications, and survival. Clarke–Pearson DL, et al. **Gynecol Oncol** 1987 Jan;26(1):11–8

Small intestinal strictureplasty. Rao PL, et al. **Indian J Pediatr** 1987 May–Jun;54(3):445–7

The missing randomized trial of two surgical treatments for acute obstruction due to carcinoma of the left colon and rectum. An interim report. Kronborg O. **Int J Color Dis** 1986 Jul;1(3):162–6

Primary resection and anastomosis for volvulus of sigmoid colon. Mishra SB, et al. **J Indian Med Assoc** 1986 Sep; 84(9):265–8

Meconium ileus: is a stoma necessary? Nguyen LT, et al. **J Pediatr Surg** 1986 Sep;21(9):766–8

re Small bowel decompression in paediatric surgery [letter] **J R Coll Surg Edinb** 1986 Oct;31(5):327–8

Emergency subtotal colectomy for obstructing carcinoma of the left colon. Halevy A, et al. **J Surg Oncol** 1987 Aug; 35(4):256–8

Ileal resection in the operative treatment of endometriosis. Gindoff PR, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):511–3

Small intestinal obstruction. Mucha P Jr. **Surg Clin North Am** 1987 Jun;67(3):597–620 (47 ref.)

Volvulus of sigmoid colon [letter] De Wind CM. **Trop Doct** 1986 Jan;16(1):37

[Gut–preserving surgery in Crohn's disease: resection or correction of stenosis (letter)] Gooszen HG, et al. **Ned Tijdschr Geneeskd** 1986 Dec 13;130(50):2279–80 **(Dut)**

[Gallstone ileus (letter)] Sillevis Smitt WG. **Ned Tijdschr Geneeskd** 1986 Nov 15;130(46):2098–9 **(Dut)**

[Surgical treatment of obstructive cancers of the left colon. Value of lateral cecotomy] Lechaux JP, et al. **Ann Chir** 1986 Oct;40(7):463–5 (Eng. Abstr.) **(Fre)**

[One–stage treatment of neoplastic occlusions of the left colon. Apropos of 3 cases. Review of the literature] Brefort JL, et al. **J Chir (Paris)** 1987 Jan;124(1):14–8 (Eng. Abstr.) **(Fre)**

[Emergency surgery in colonic obstructions. Retrospective study of 70 cases] Bresler L, et al. **J Chir (Paris)** 1986 Dec; 123(12):713–8 (Eng. Abstr.) **(Fre)**

[Enteropexy (the Reymond procedure) in the treatment of small–intestine obstruction. The experience of 133 cases] Gullino D, et al. **J Chir (Paris)** 1986 Jun–Jul;123(6–7):442–3 (Eng. Abstr.) **(Fre)**

[In favor of rehabilitation of the cecostomy over a drain as initial treatment of colonic occlusions caused by tumors] Lethai B, et al. **J Chir (Paris)** 1987 May;124(5):346–8 (Eng. Abstr.) **(Fre)**

[Cancers of the left colon with occlusion. Treatment by subtotal colectomy with immediate ileo–sigmoid anastomosis] Samama G, et al. **Presse Med** 1986 Nov 22; 15(41):2070–1 (Eng. Abstr.) **(Fre)**

[Migration of an Angelchik antireflux prosthesis in the gastrointestinal tract with ileus of the small intestine] Münch D, et al. **Chirurg** 1986 Dec;57(12):812–4 **(Ger)**

[Surgical indications in ileus] Bünte H. **Langenbecks Arch Chir** 1986;369:687–91 (Eng. Abstr.) **(Ger)**

[Surgical therapy of stenosing duodenal ulcer—results of an uncontrolled comparative study] Kwasny O, et al. **Langenbecks Arch Chir** 1986;368(4):233–9 (Eng. Abstr.) **(Ger)**

[Surgically treated mechanical ileus] Waclawiczek HW. **Langenbecks Arch Chir** 1987;370(1):37–52 (Eng. Abstr.) **(Ger)**

[Clinical experience using a mechanical ileus] Günther K, et al. **Z Arztl Fortbild (Jena)** 1986;80(23):971–4 **(Ger)**

[Prognosis in mechanical ileus] Behnke KD, et al. **Zentralbl Chir** 1987;112(6):360–4 (Eng. Abstr.) **(Ger)**

[Surgical therapy of tumor–induced ileus of the large intestine] Kiene S, et al. **Zentralbl Chir** 1987;112(6):337–50 (Eng. Abstr.) **(Ger)**

[Meconium ileus equivalent in cystic fibrosis] Ruschen B, et al. **Zentralbl Chir** 1986;111(18):1137–40 **(Ger)**

[Strangulation ileus caused by a not completely obliterated omphaloenteric duct in a 32–year–old patient] Schillings GJ. **Zentralbl Chir** 1987;112(6):383–6 **(Ger)**

[Gallstone ileus] Unger W. **Zentralbl Chir** 1987;112(6):351–9 (Eng. Abstr.) **(Ger)**

[Ileus of the large intestine caused by endometriosis. Report of 2 cases and review of the literature] Weckner W, et al. **Zentralbl Chir** 1986;111(19):1183–9 (Eng. Abstr.) **(Ger)**

[Advantages of the manual evacuation of the intestines based on 739 ileus operations] Krisár Z, et al. **Orv Hetil** 1987 May 3;128(18):931–4 (Eng. Abstr.) **(Hun)**

[Comparison of wound healing of intestinal anastomosis by stapling devices and by Gambee's suture under normal and abnormal conditions in dog] Miyake J. **Nippon Geka Gakkai Zasshi** 1987 Apr;88(4):378–89 (Eng. Abstr.) **(Jpn)**

[Post–operative abscess of the lesser peritoneal sac following surgery of an ileal obstruction] Ohba M. **Rinsho Hoshasen** 1986 Aug;31(8):913–4 **(Jpn)**

[Surgical approach in occlusions caused by colonic neoplasms] Buşu I, et al. **Rev Chir [Chir]** 1987 Mar–Apr; 36(2):95–100 (Eng. Abstr.) **(Rum)**

[Acute small–intestine obstruction in adult Siamese twins] Iukhtin VI, et al. **Khirurgiia (Mosk)** 1986 Aug;(8):146–7 **(Rus)**

[Our tactics in the surgical treatment of cancer of the colon complicated by acute intestinal obstruction] Viliavin GD. **Khirurgiia (Mosk)** 1986 Sep;(9):76–9 (Eng. Abstr.) **(Rus)**

[Effect of periarterial denervation of the superior mesenteric artery on the functional status of the intestine in peritonitis and dynamic intestinal obstruction] Lutsenko SM, et al. **Klin Khir** 1987;(2):16–8 (Eng. Abstr.) **(Rus)**

[Multiple perforating stress ulcers after surgery for acute intestinal obstruction] Shapiro IaL, et al. **Klin Khir** 1987; (2):42–3 **(Rus)**

[Emergency operations in complicated forms of cancer of the colon] Klempert AIa, et al. **Vestn Khir** 1986 Sep; 137(9):38–42 (Eng. Abstr.) **(Rus)**

[Preventive preoperative use of kanamycin and cefazolin in patients with acute intestinal obstruction] Rukhliada NV. **Vestn Khir** 1986 Dec;137(12):96–8 **(Rus)**

[Reasons for and the results of early relaparotomies] Spivak VP, et al. **Vestn Khir** 1986 Sep;137(9):121–4 **(Rus)**

THERAPY

Long tubes vs nasogastric tubes in the treatment of intestinal obstruction [letter] Brolin RE. **Arch Surg** 1987 Jan; 122(1):118

Adult Hirschsprung's disease. An experience with the

Duhamel-Martin procedure with special reference to obstructed patients. Natsikas NB, et al. **Dis Colon Rectum** 1987 Mar;30(3):204-6

Peroperative lavage of the obstructed left colon to allow safe primary anastomosis. Pollock AV, et al. **Dis Colon Rectum** 1987 Mar;30(3):171-3

Endoscopic dilation of anastomotic colonic stenosis by different techniques: an alternative to surgery? Bedogni G, et al. **Gastrointest Endosc** 1987 Feb;33(1):21-4

Home parenteral nutrition in childhood. Skehan AM, et al. **Ir Med J** 1986 Sep;79(9):253-4

Bowel perforation with nonoperative treatment of meconium ileus. Ein SH, et al. **J Pediatr Surg** 1987 Feb;22(2):146-7

Acute volvulus of the sigmoid colon. Welch GH, et al. **World J Surg** 1987 Apr;11(2):258-62

[Interventional radiology in the treatment of stenosis of the esophagus and stoma of gastroenterostomy] Wang CL. **Chung Hua Fang She Hsueh Tsa Chih** 1987 Feb;21(1):28-30 (Eng. Abstr.) **(Chi)**

[Colonoscopic decompression in volvulus and colonic pseudo-obstruction (letter)] Schagen van Leeuwen J. **Ned Tijdschr Geneeskd** 1986 Nov 15;130(46):2097 **(Dut)**

[Therapy of invagination ileus in early childhood] Kupatz B, et al. **Kinderarztl Prax** 1987 Mar;55(3):123-32 (Eng. Abstr.) **(Ger)**

[Small intestine drainage tube with a guide and ways of using it] Dorofeev VG, et al. **Khirurgiia (Mosk)** 1987 May;(5):129-32 **(Rus)**

[Long-term decompression of the intestines in acute peritonitis and intestinal obstruction] Liubenko LA, et al. **Klin Khir** 1987;(4):30-2 (Eng. Abstr.) **(Rus)**

[Transanal intestinal intubation in acute intestinal obstruction and peritonitis] Petrenko EL. **Klin Khir** 1987;(4):67-8 **(Rus)**

VETERINARY

Caecal overload and rupture in the horse. Hilbert BJ, et al. **Aust Vet J** 1987 Mar;64(3):85-6

Pathophysiology of equine postoperative ileus: effect of adrenergic blockade, parasympathetic stimulation and metoclopramide in an experimental model. Gerring EE, et al. **Equine Vet J** 1986 Jul;18(4):249-55

Partial obstruction of the small colon associated with an abdominal testicular teratoma in a foal. Parks AH, et al. **Equine Vet J** 1986 Jul;18(4):342-3

Submucosal haematoma as a cause of obstruction of the small colon in the horse: a review of four cases. Pearson H, et al. **Equine Vet J** 1986 Jul;18(4):340-1

Responsible referral for colic surgery. Pearson H. **Equine Vet J** 1986 Jul;18(4):246-8

Factors for prognostic use in equine obstructive small intestinal disease. Allen D Jr, et al. **J Am Vet Med Assoc** 1986 Oct 1;189(7):777-80

Experimental intestinal obstruction in cattle. Part III: Therapy, outcome and autopsy findings. Papadopoulous P, et al. **Zentralbl Veterinarmed [A]** 1987 Jan;34(1):7-12

INTESTINAL PERFORATION

[Multiple perforating stress ulcers after surgery for acute intestinal obstruction] Shapiro IaL, et al. **Klin Khir** 1987;(2):42-3 **(Rus)**

BLOOD

Positive minor cross-reaction due to red blood cell T-activation in a neonate with perforated colon. Lenz G, et al. **Infusionsther Klin Ernahr** 1987 Apr;14 Suppl 2:43-4

CHEMICALLY INDUCED

Haemorrhage and perforation of gastrointestinal neoplasms during chemotherapy. Randall J, et al. **Ann R Coll Surg Engl** 1986 Sep;68(5):286-9

Jejunal perforation possibly induced by slow-release potassium in a patient with Crohn's disease. Brower RA. **Dig Dis Sci** 1986 Dec;31(12):1387-90

Localized intestinal perforation after intravenous indomethacin in a premature infant. Hervás JA, et al. **Helv Paediatr Acta** 1986 Dec;41(5):437-40

[New anti-rheumatism agents in old stomachs (letter)] Mulder EF, et al. **Ned Tijdschr Geneeskd** 1986 Nov 29;130(48):2191-2 **(Dut)**

COMPLICATIONS

Subcutaneous emphysema caused by perforating perisigmoiditis. Bloch AV, et al. **Acta Chir Scand** 1986 Aug-Sep;152:555-6

Voice change after barium enema: a clinical sign of extraperitoneal colon perforation. Rabin DN, et al. **AJR** 1987 Jan;148(1):145-6

Foreign body perforation of the gastrointestinal tract with formation of liver abscess. Pedersen VM, et al. **Ann Chir Gynaecol** 1986;75(4):245-6

Yersinia enterocolitica infection complicated by intestinal perforation. Rabinovitz M, et al. **Arch Intern Med** 1987 Sep;147(9):1662-3 (12 ref.)

Jejunal atresia secondary to intrauterine intussusception, presenting as acute perforation. Reed DN Jr, et al. **Can J Surg** 1987 May;30(3):203-4

Perforated appendicitis and obstructing colonic carcinoma in the elderly. Sumpio BE, et al. **Dis Colon Rectum** 1986 Oct;29(10):668-70

Antenatal perforation of Meckel's diverticulum presenting as an inflamed hydrocele. Wright JE, et al. **J Pediatr Surg** 1986 Nov;21(11):989-90

Sigmoid perforation with evisceration of loop of ileum through the anus. Sellu DP. **J R Coll Surg Edinb** 1987 Apr;32(2):119

Occult cecal perforation as cause of necrotizing infection. Cuasay RS, et al. **Milit Med** 1987 Apr;152(4):211-2

Necrotizing fasciitis: a rare complication of appendicitis. Mazza JF Jr, et al. **South Med J** 1987 Sep;80(9):1197-8

Perforation of the terminal ileum with cytomegalovirus vasculitis and Kaposi's sarcoma in a patient with acquired immunodeficiency syndrome. Burke G, et al. **Surgery** 1987 Sep;102(3):540-5

[Primary resection of a perforated leiomyoma of the small intestine using glucagon hypotonia] Moshev B. **Khirurgiia (Sofiia)** 1987;40(2):52-3 **(Bul)**

[Pyostercoral peritonitis of diverticular origin. Retrospective analysis of 22 cases] Allé JL, et al. **Acta Chir Belg** 1986 Nov-Dec;86(6):333-5 (Eng. Abstr.) **(Fre)**

[Urinary peritonitis caused by perforation following trans-intestinal ureterostomy. Apropos of 3 cases] Paris H, et al. **Ann Urol (Paris)** 1987;21(1):52-4 (Eng. Abstr.) **(Fre)**

[Diverticular peritonitis. Clinical, prognosis and therapeutic aspects] Dubertret M, et al. **J Chir (Paris)** 1987 May; 124(5):299-303 (Eng. Abstr.) **(Fre)**

[Peritonitis due to perforation of the intrahernial small intestine after a fall during cross-country skiing] Turbelin JM. **J Chir (Paris)** 1986 Aug-Sep;123(8-9):508-9 **(Fre)**

[A rare case of perforation of Meckel's diverticulum with bloody- stool peritonitis] Zanon A, et al. **Minerva Pediatr** 1986 Oct 31;38(20):945-8 (Eng. Abstr.) **(Ita)**

[Spontaneous perforation of cancer of the rectum into the free abdominal cavity] Lur'e AS, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):125 **(Rus)**

[Strangulated hernia associated with perforation of the small intestine] Gafarov IM, et al. **Klin Khir** 1987;(2):35 **(Rus)**

CONGENITAL

Meconium pleuritis: cytologic diagnosis in a neonate with perforated sigmoid colon and diaphragmatic hernia. Silverman JF, et al. **Pediatr Pathol** 1986;6(2-3):325-33

DIAGNOSIS

Perforation of the colon in immunosuppressed patients [letter] Nghiem DD, et al. **Ann Surg** 1986 Dec;204(6):724-5

The critical role of context in the diagnostic process. Kassirer JP, et al. **Hosp Pract [Off]** 1987 Aug 15;22(8):67-71, 74-6

Appendicolitus and acute appendicitis in children. Bachman DS, et al. **J Arkansas Med Soc** 1986 Dec;83(7):293-4

Acute appendicitis presenting as a scrotal abscess. Hilbun BM, et al. **J Miss State Med Assoc** 1987 Mar;28(3):57-8

Acute appendicitis and carcinoma of the colon [letter] Tulloch DN, et al. **J R Soc Med** 1987 May;80(5):326

Identification of small rectal perforations. Williams L, et al. **Surg Gynecol Obstet** 1987 May;164(5):475

Perforating appendicitis within a diaphragmatic hernia: a case report. Gürses N, et al. **Z Kinderchir** 1986 Oct;41(5):306-7

[Perforated duodenal diverticulum] Andersson AP, et al. **Ugeskr Laeger** 1987 Mar 30;149(14):915 (Eng. Abstr.) **(Dan)**

[Neonatal appendicitis] Rix M. **Ugeskr Laeger** 1987 Mar 2; 149(10):661-2 (Eng. Abstr.) **(Dan)**

[Degos disease: apropos of a case with a genital localization] Meazza A, et al. **J Urol (Paris)** 1986;92(4):262-3 **(Fre)**

[Ileal perforation as the first manifestation of Crohn disease in pregnancy] Fatzer H, et al. **Chirurg** 1986 Oct; 57(10):646-8 **(Ger)**

[Colonic perforation] Eigler FW, et al. **Dtsch Med Wochenschr** 1987 Jan 23;112(4):144-7 **(Ger)**

[Preoperative examination findings in patients with a perforated appendix] Lippert H, et al. **Zentralbl Chir** 1986; 111(13):801-6 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Matched case-control study of adjusted versus nonadjusted gentamicin dosing in perforated and gangrenous appendicitis. Gill MA, et al. **Ther Drug Monit** 1986; 8(4):451-6

ETIOLOGY

Acute free colonic perforation as a presenting sign of Crohn's disease. Case report. Enriquez JM, et al. **Acta Chir Scand** 1987 Mar;153(3):233-4

Gastrointestinal perforation due to congenital absence of intestinal musculature. A case report. Skov BG, et al. **Acta Chir Scand** 1986 Dec;152:779-80

Bifid-appendix volvulus. Impieri M, et al. **Acta Gastroenterol Belg** 1986 Sep-Oct;49(5):536-8

Bowel perforation in Hirschsprung's disease. Newman B, et al. **AJR** 1987 Jun;148(6):1195-7

Cecal perforation following fiberoptic flexible sigmoidoscopy. Sandhu KS, et al. **Am J Med** 1987 Mar; 82(3):546-8

Spontaneous free perforation and perforated abscess in 30 patients with Crohn's disease. Greenstein AJ, et al. **Ann Surg** 1987 Jan;205(1):72-6 (50 ref.)

Perforated jejunal ulcer and the Zollinger-Ellison syndrome. Watson CG, et al. **Arch Surg** 1968 Feb;96(2):274-6

Perforated colon from ischaemia complicating a normal pregnancy [letter] Woo J. **Aust NZ J Obstet Gynaecol** 1986 May;26(2):163

Two cases of eosinophilic enteritis presenting as large bowel perforation and small bowel haemorrhage. Steele RJ, et al. **Aust NZ J Surg** 1987 May;57(5):335-6

The management of inflammatory complications of colonic diverticular disease. Morris DL, et al. **Br J Hosp Med** 1987 Jan;37(1):36, 40-1 (27 ref.)

Ascaris lumbricoides and intestinal perforation. Efem SE. **Br J Surg** 1987 Jul;74(7):643-4 (27 ref.)

Ileal perforation due to cytomegaloviral enteritis. Fernandes B, et al. **Can J Surg** 1986 Nov;29(6):453-6

Pneumoperitoneum, omental emphysema and intramural barium perforation following double contrast barium enema. Chong WK, et al. **Clin Radiol** 1987 May; 38(3):319-20

Perforation of the sigmoid colon by an intrauterine contraceptive device. Hays D, et al. **Contraception** 1986 Oct;34(4):413-6

Spontaneous perforation of the colon [letter] Gertsch P. **Dis Colon Rectum** 1987 Jun;30(6):488

Retroperitoneal abscess complicating colonoscopy polypectomy. Ostyn B, et al. **Dis Colon Rectum** 1987 Mar; 30(3):201-3

Perforation of terminal ileal appendage of J-pelvic ileal reservoir. Pezim ME, et al. **Dis Colon Rectum** 1987 Mar; 30(3):161-3

Catheter perforation of the duodenum during hepatic artery chemotherapy. Pagana TJ, et al. **Gastrointest Endosc** 1987 Jun;33(3):244-5

Complications of routine diagnostic upper endoscopy [letter] Weiner BC. **Gastrointest Endosc** 1987 Feb;33(1):53

Combined perforation of the rectum and urinary bladder secondary to autoanal stimulation: report of a case. Tucker MS, et al. **J Am Osteopath Assoc** 1987 Jan;87(1):79-81

Sigmoid perforation in patients with chronic constipation. Avinoah E, et al. **J Clin Gastroenterol** 1987 Feb;9(1):62-4

Eosinophilic gastroenteritis with small bowel perforation [letter] Lysey J, et al. **J Clin Gastroenterol** 1986 Dec; 8(6):694-5

Can a colon burst from grief? [editorial] Spiro HM. **J Clin Gastroenterol** 1987 Jun;9(3):251-2

Abscesses with enteric communication: a potential pitfall in computed tomography. Heavey LR, et al. **J Comput Assist Tomogr** 1987 May-Jun;11(3):470-3

Bowel perforation complicating flexible sigmoidoscopy. Magill MK, et al. **J Fam Pract** 1986 Nov;23(5):481-2

Bowel perforation with nonoperative treatment of meconium ileus. Ein SH, et al. **J Pediatr Surg** 1987 Feb;22(2):146-7

Obstruction and gangrene of bowel with perforation due to a mesenteric cyst in a newborn. Kovalivker M, et al. **J Pediatr Surg** 1987 Apr;22(4):377-8

Recent advances in the management of typhoid enteric perforation in children. Efem SE, et al. **J R Coll Surg Edinb** 1986 Aug;31(4):214-7

Multiple proximal jejunal perforations in gallstone ileus. Al-Fallouji MA. **J R Coll Surg Edinb** 1986 Aug;31(4):237

Malignant fibrous histiocytoma causing fatal ileal perforation. Raju GC, et al. **J R Soc Med** 1987 Jun;80(6):385-6

Stercoral perforation of the colon following postoperative analgesia. Stringer MD, et al. **J R Soc Med** 1987 Feb; 80(2):115-6

Acute bowel entrapment and perforation following operative reduction of pelvic fracture. Lin PS, et al. **J Trauma** 1987 Jun;27(6):684-6

Perforation of the small bowel after insertion of feeding jejunostomy: a case report. Sorensen VJ, et al. **JPEN J Parenter Enteral Nutr** 1987 Mar-Apr;11(2):202-4

Perforation of the colon by a ventriculoperitoneal shunt tube--a case report. Hayashi T, et al. **Kurume Med J** 1986; 33(2):85-8

Idiopathic small-bowel perforations. Scharf GM, et al. **S Afr J Surg** 1987 Jun;25(2):53-4

Colonic perforation--a complication of benign gastrocolic fistula. A case report. Schein M, et al. **S Afr Med J** 1987 Jan 24;71(2):119

Pedunculated lipoma of the colon: risks of endoscopic removal. Khawaja FI. **South Med J** 1987 Sep;80(9):1176-9

[Gangrenous appendicitis perforating into a single echinococcal cyst] Bliznashki I, et al. **Khirurgiia (Sofiia)** 1986;39(5):92 **(Bul)**

[Perforation of the cecum as a complication of colon radiography] Jensen BK, et al. **Ugeskr Laeger** 1987 Mar 9;149(11):726-7 (Eng. Abstr.) **(Dan)**

[Candidiasis involvement of the small intestine complicated by perforation. A case of favorable course] Fischer D, et al. **Gastroenterol Clin Biol** 1987 Jun-Jul;11(6-7):514-7 (Eng. Abstr.) **(Fre)**

[Complicated appendicitis in children: contribution of echography to diagnosis and treatment] Nasr A, et al. **J Belge Radiol** 1987;70(2):115-9 (Eng. Abstr.) **(Fre)**

[Diastatic perforations of the colon of neoplastic origin. Apropos of 15 cases] Renoux B, et al. **J Chir (Paris)** 1986 Nov;123(11):644-50 (Eng. Abstr.) **(Fre)**

[Perforations occurring during administration of contrast media into the colon, a basic medical care procedure] Lange H, et al. **Radiol Diagn (Berl)** 1986;27(6):761-5 (Eng. Abstr.) **(Ger)**

[Small-bowel perforation due to foreign bodies] Kaufman Z, et al. **Harefuah** 1986 Oct;111(7-8):171-2 (Eng. Abstr.)

(Heb)
[Ileal perforations caused by exertion and closed injuries] Rossi R, et al. **Minerva Chir** 1987 Mar 31;42(6):507–11 (Eng. Abstr.) (Ita)
[Schöenlein–Henoch syndrome. Description of a rarely reported case of intestinal perforation and a case with possible sequelae of acute recurrent synovitis type] Bonenti G, et al. **Minerva Pediatr** 1986 Oct 15;38(19):867–71 (Eng. Abstr.) (Ita)
[Intestinal amyloidosis and perforation of the gastrointestinal tract—a case of jejunal perforation due to amyloidosis] Miyakawa T, et al. **Rinsho Byori** 1986 Jul;34(7):839–44 (Jpn)
[Two cases of bowel bleeding and perforation during initial treatment of childhood Burkitt's lymphoma] Nakadate H, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1427–31 (Eng. Abstr.) (Jpn)
[2 cases of perforation of Meckel's diverticulum by foreign bodies] Kleba T, et al. **Wiad Lek** 1986 Nov 15;39(22):1556–8 (Eng. Abstr.) (Pol)
[Perforating appendicitis in a newborn infant with an acute form of Hirschsprung's disease] Krivchenia DIu, et al. **Khirurgiia (Mosk)** 1986 Aug;(8):135–6 (Rus)
[Intestinal perforation by a conifer needle] Gavrilenko BG, et al. **Klin Khir** 1987;(2):44 (Rus)
[Acute paraproctitis complicated by perforation of an abscess into the abdominal cavity] Timerbulatov VM, et al. **Klin Khir** 1987;(2):52 (Rus)
[Perforation of the intestine by a fish bone] Tsoĭ GV, et al. **Klin Khir** 1987;(2):43–4 (Rus)
[Surgical tactics in obturating and perforating cancer of the large intestine] Nartsissov TV, et al. **Sov Med** 1987;(2):86–9 (Rus)
[Asymptomatic course of perforating Meckel's diverticulitis] Kazantsev VP, et al. **Voen Med Zh** 1987 Apr;(4):60 (Rus)
[Surgical complications of typhoid fever] Saidov RS, et al. **Voen Med Zh** 1987 Apr;(4):47–8 (Rus)

MORTALITY

Factors affecting mortality in small intestinal perforation. Bose SM, et al. **Indian J Gastroenterol** 1986 Oct;5(4):261–3

PATHOLOGY

Carcinoid of Meckel's diverticulum. Report of two cases with perforation, in one with concomitant foreign body. Nordsten M, et al. **Acta Chir Scand** 1986 Aug–Sep; 152:551–3
Hepatocellular carcinoma presenting with bleeding due to duodenal perforation by the tumor. Humbert P, et al. **Endoscopy** 1987 Jan;19(1):37–8
Recurrent acute tuberculous perforations of small intestine associated with miliary tuberculosis of lung. Jayaswal R, et al. **J Assoc Physicians India** 1986 Nov;34(11):817–8
Perforation of Meckel's diverticulum by foreign body. Stokes DW Jr, et al. **J SC Med Assoc** 1987 May;83(5):254–6
[Spontaneous perforation of the small intestine] Nedkov N. **Khirurgiia (Sofiia)** 1987;40(2):48–50 (Bul)
[Jejunal perforation as an initial symptom of Hodgkin's lymphogranulomatosis] Röckelein G. **Leber Magen Darm** 1986 Sep;16(5):312–5 (Ger)
[Multiple perforations of the large intestine] Pugachev AD, et al. **Klin Khir** 1987;(2):48 (Rus)

RADIOGRAPHY

Iopamidol in the diagnosis of suspected upper gastro–intestinal perforation. Bell KE, et al. **Clin Radiol** 1987 Mar;38(2):165–8
Analysis of bowel perforation in necrotizing enterocolitis. Frey EE, et al. **Pediatr Radiol** 1987;17(5):380–2
Perforated colorectal neoplasms: correlation of clinical, contrast enema, and CT examinations. Hulnick DH, et al. **Radiology** 1987 Sep;164(3):611–5
[Intestinal perforation with extravasation of contrast medium in paracolostomy hernia] Lange H, et al. **Zentralbl Chir** 1986;111(18):1134–6 (Ger)

RADIONUCLIDE IMAGING

Pseudo defect of the spleen in an adolescent with fever of unknown origin. Hinton AA, et al. **Clin Nucl Med** 1987 Jun;12(6):471–4

SURGERY

The continuing challenge of the negative appendix. Blind PJ, et al. **Acta Chir Scand** 1986 Oct;152:623–7
Nontraumatic perforation of the small bowel. Chaikof EL. **Am J Surg** 1987 Apr;153(4):355–8
Three days cefoxitin in perforated appendicitis. Lose G, et al. **Ann Chir Gynaecol** 1986;75(5):270–3
Surgically treated gangrenous or perforated appendicitis. A comparison of aztreonam and clindamycin versus gentamicin and clindamycin. Berne TV, et al. **Ann Surg** 1987 Feb;205(2):133–7
The treatment of complicated appendicitis in children. What is the gold standard? Elmore JR, et al. **Arch Surg** 1987 Apr;122(4):424–7
Fecal peritonitis in pregnancy. Cali V, et al. **Clin Exp Obstet Gynecol** 1987;14(1):68–9
Antimicrobial management of surgically treated gangrenous or perforated appendicitis: comparison of cefoxitin and clindamycin–gentamicin. Sirinek KR, et al. **Clin Ther** 1987; 9(4):420–8
Perforated diverticulitis in a Hartmann rectal pouch. Fowler C, et al. **Dis Colon Rectum** 1986 Oct;29(10):662–4
Penetrating colon trauma. Croce MA, et al. **J Tenn Med Assoc** 1986 Nov;79(11):706–7
Early appendectomy for perforated appendicitis in children should not be abandoned. Bennion RS, et al. **Surg Gynecol Obstet** 1987 Aug;165(2):95–100
[Emergency surgical indications of the colon and rectum—perforation and hemorrhage] Herfarth C, et al. **Langenbecks Arch Chir** 1986;369:311–20 (Eng. Abstr.) (Ger)
[Osteomyelitis of the iliac crest—a rare complication following perforated appendicitis] Behnke KD, et al. **Z Arztl Fortbild (Jena)** 1986;80(18):763–4 (Ger)
[Perforated appendicitis] Kern E. **Zentralbl Chir** 1986; 111(13):753–60 (Eng. Abstr.) (Ger)
[Perforated appendicitis in childhood—an apparently ever–present problem] Laskus F, et al. **Zentralbl Chir** 1986; 111(13):781–7 (Eng. Abstr.) (Ger)
[Hartmann incontinuity resection in emergency treatment of perforated sigmoid diverticulitis] Rieger R, et al. **Zentralbl Chir** 1987;112(6):365–72 (Eng. Abstr.) (Ger)
[Surgical treatment of perforated colonic diverticula. Experience in 21 cases] Caristo I, et al. **Minerva Chir** 1986 Nov 15;41(21):1789–94 (Eng. Abstr.) (Ita)

THERAPY

Endoscopic transduodenal removal of an hepatic artery infusion catheter. Weese JL, et al. **Gastrointest Endosc** 1987 Jun;33(3):246–7

VETERINARY

Cecal perforation and adrenocortical adenoma in a dog. Moore MP, et al. **J Am Vet Med Assoc** 1987 Jul 1; 191(1):87–8

INTESTINAL POLYPS

[A case of Cronkhite–Canada syndrome] Fukazawa S, et al. **Nippon Naika Gakkai Zasshi** 1987 Mar;76(3):431–5 (Jpn)

BLOOD

Expression of LewisX and sialylated LewisX antigens in human colorectal polyps. Yuan M, et al. **JNCI** 1987 Mar; 78(3):479–88

CLASSIFICATION

Epithelial polyps of the large intestine. A classification based on biologic behavior. Giltman LI. **Postgrad Med** 1986 Oct; 80(5):113–6, 119

COMPLICATIONS

Colorectal polyps: an important cause of rectal bleeding. Perisic VN. **Arch Dis Child** 1987 Feb;62(2):188–9
Eosinophilic granulomatous polyp and intussusception (a case report). Dalvi AN, et al. **J Postgrad Med** 1986 Jul; 32(3):171–2, 170B
[Myocardial infarction and rectocolonic polyps] Audigier JC, et al. **Gastroenterol Clin Biol** 1986 Aug–Sep;10(8–9):558–61 (Eng. Abstr.) (Fre)
[Prevalence of rectocolonic polyps in a population of gynecologic cancers. Preliminary results (letter)] Rollux R, et al. **Gastroenterol Clin Biol** 1987 Feb;11(2):179–81 (Fre)
[The skin and colonic polyposis] Sfar Z. **Tunis Med** 1986 Oct;64(10):787–90 (Eng. Abstr.) (Fre)
[Brunnerioma—a rare cause of gastrointestinal hemorrhage] Liebert H, et al. **Zentralbl Chir** 1986;111(16):995–8 (Ger)
[Intestinal hemorrhage caused by polyps of the large intestine] Sukhorukov VA, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):71–4 (Eng. Abstr.) (Rus)
[Intestinal invagination in the adult: apropos of 2 cases] Codina Cazador A, et al. **Rev Esp Enferm Apar Dig** 1986 Oct;70(4):365–8 (Eng. Abstr.) (Spa)

DIAGNOSIS

The Cronkhite–Canada syndrome. Case report. Aanestad O, et al. **Acta Chir Scand** 1987 Feb;153(2):143–5
Gardner's syndrome with gastric and ileal polyposis. Case report. Rutegård J, et al. **Acta Chir Scand** 1987 Apr; 153(4):315–6
Condyloma acuminata presenting as rectal polyps in a heterosexual man: importance of CT scan of the pelvis. Patel PH, et al. **Am J Gastroenterol** 1987 May;82(5):479–81
Colorectal polyps: an endoscopic experience. Isbister WH. **Aust NZ J Surg** 1986 Sep;56(9):717–22
Physician accuracy in diagnosing colorectal polyps. Neale AV, et al. **Dis Colon Rectum** 1987 Apr;30(4):247–50
The role of colonoscopy and flexible sigmoidoscopy in screening for colorectal carcinoma. Warden MJ, et al. **Dis Colon Rectum** 1987 Jan;30(1):52–4
Ruvalcaba–Myhre–Smith syndrome: a new consideration in the differential diagnosis of intestinal polyposis. Foster MA, et al. **Gastrointest Radiol** 1986;11(4):349–50
Detecting colorectal neoplasms. Assessment based on hypothetical cases. Longstreth GF. **J Clin Gastroenterol** 1987 Jun;9(3):331–6
[Lipoma of the large intestine in the form of a polyp diagnosed fiber–endoscopically] Bakalov V, et al. **Khirurgiia (Sofiia)** 1986;39(4):59–61 (Bul)
[Complications and sequelae in the endoscopic follow–up of uretero–sigmoidostomies] Barrou B, et al. **Ann Urol (Paris)** 1987;21(2):138–40 (Eng. Abstr.) (Fre)
[Value of molluscum pendulum in the diagnosis of colorectal polyps and/or cancers (letter)] Jobard JM, et al. **Gastroenterol Clin Biol** 1987 Feb;11(2):176–7 (Fre)
[Decreased physical capacity] Deuel W, et al. **Schweiz Rundsch Med Prax** 1986 Nov 4;75(45):1365–6 (Eng. Abstr.) (Ger)
[Polyps of the colon and rectum in childhood. Practical importance of endoscopic examination] Deste A, et al. **Pediatr Med Chir** 1987 Jan–Feb;9(1):71–4 (Eng. Abstr.) (Ita)
[Determination of cyclic AMP and protein kinases in the diagnosis of colonic tumors] Aleksandrov VB, et al. **Vopr Onkol** 1986;32(8):45–53 (Eng. Abstr.) (Rus)

ETIOLOGY

A case of primary amyloidosis confined to the small intestine. Shimizu S, et al. **Gastroenterol Jpn** 1986 Oct;21(5):513–7
Stomal polyps—further considerations [letter] Franzin G, et al. **Gastrointest Endosc** 1987 Apr;33(2):127
Colorectal polyps and diet: a case–control study in Marseilles. Macquart–Moulin G, et al. **Int J Cancer** 1987 Aug 15; 40(2):179–88
Relationship between tobacco smoking and colorectal polyps. Hoff G, et al. **Scand J Gastroenterol** 1987 Jan;22(1):13–6

FAMILIAL & GENETIC

Sustained remission in Cronkhite–Canada syndrome [letter] Russell DM, et al. **Gastroenterology** 1986 Dec;91(6):1580
Ploidy studies in adenomatous polyps of colon [letter] Eble JN. **J Clin Pathol** 1986 Nov;39(11):1276
[Role of genetic factors in the etiology of cancer of the large intestine] Latos–Bieleńska A, et al. **Pol Tyg Lek** 1986 Nov 17;41(46):1443–7 (Eng. Abstr.) (Pol)

IMMUNOLOGY

Cancer–associated alterations of blood group antigen expression in human colorectal polyps. Itzkowitz SH, et al. **Cancer Res** 1986 Nov;46(11):5976–84
Immunohistochemical Cal9–9 in primary colonic polyps and polyps synchronous with colorectal cancer. Afdhal NH, et al. **Gut** 1987 May;28(5):594–600
[Carcinoembryonic antigen (CEA) in digestive tract polyps] Rosandić–Pilaš M, et al. **Lijec Vjesn** 1987 Apr–May; 109(4–5):126–30 (Eng. Abstr.) (Scr)

METABOLISM

Fecal neutral steroids in normal conditions and in patients with polyps or cancer of the large bowel. Ponz de Leon M, et al. **Cancer Res** 1987 Jan 1;47(1):305–10

OCCURRENCE

Gastric and duodenal polyps in familial adenomatous polyposis: a prospective study of the nature and prevalence of upper gastrointestinal polyps. Sarre RG, et al. **Gut** 1987 Mar;28(3):306–14
Epidemiology of polyps in the rectum and sigmoid colon. Discriminant analysis for identification of individuals at risk of developing colorectal neoplasia. Hoff G, et al. **Scand J Gastroenterol** 1986 Sep;21(7):848–52
Epidemiology of polyps in the rectum and colon. Recovery and evaluation of unresected polyps 2 years after detection. Hoff G, et al. **Scand J Gastroenterol** 1986 Sep;21(7):853–62

PATHOLOGY

A pathological study on colorectal cancer. From de novo carcinoma to advanced carcinoma. Ikegami M. **Acta Pathol Jpn** 1987 Jan;37(1):21–37
Lymphoid polyps of the ileum associated with Gardner's syndrome. Thomford NR, et al. **Arch Surg** 1968 Feb; 96(2):289–91
Juvenile intestinal polyps—are they always benign? [editorial] Rolles CJ. **Br Med J** 1987 Feb 28;294(6571):529
Nuclear steroid receptors and dysplasia in adenomatous polyps of the colon as markers of high risk for malignant transformation. Concolino G, et al. **Cancer Detect Prev** 1986;9(5–6):477–84
The syndromes of intestinal polyposis. Watne AL. **Curr Probl Surg** 1987 May;24(5):269–340 (249 ref.)
The pathogenesis of inflammatory polyps. Kelly JK, et al. **Dis Colon Rectum** 1987 Apr;30(4):251–4
Geographic differences in the prevalence and distribution of large–bowel polyps—colonoscopic findings. Cronstedt J, et al. **Endoscopy** 1987 May;19(3):110–3
Gastroduodenal polyps in familial adenomatous and juvenile polyposis. Järvinen HJ, et al. **Endoscopy** 1986 Nov; 18(6):230–4
Juvenile polyps with cachexia. Report of an infant and comparison with Cronkhite–Canada syndrome in adults. Ruymann FB. **Gastroenterology** 1969 Oct;57(4):431–8
Malignant lymphoma arising in an intestinal polyp. Falconieri G, et al. **Histopathology** 1987 Feb;11(2):215–6
Adenomatous polyps and atherosclerosis: an autopsy study of Japanese men in Hawaii. Stemmermann GN, et al. **Int J Cancer** 1986 Dec 15;38(6):789–94
Juvenile gastrointestinal polyposis or the infantile

Cronkhite–Canada syndrome. Scharf GM, et al. **J Pediatr Surg** 1986 Nov;21(11):953–4

[Characteristics and origin of intestinal juvenile polyps] Xu JY. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Sep; 15(3):225–7 **(Chi)**

[Flat tubulovillous adenoma in the duodenal bulb] Bayerdörffer E, et al. **Leber Magen Darm** 1987 Feb; 17(1):47–9 (Eng. Abstr.) **(Ger)**

[Tubulovillous adenoma of the rectum with metaplasia of the squamous epithelium] Seitz G, et al. **Pathologe** 1986 Nov;7(6):353–5 **(Ger)**

[Electrolyte and mucous-producing villous adenoma of the large intestine] Dettbarn M, et al. **Z Arztl Fortbild (Jena)** 1986;80(21):909–10 **(Ger)**

[Adenoma/dysplasia–carcinoma sequence in the small intestine] Hermanek P. **Z Gastroenterol** 1987 Mar; 25(3):166–7 **(Ger)**

[Hypothesis on the existence of an adenoma–carcinoma sequence in the small intestine] Sellner F. **Z Gastroenterol** 1987 Mar;25(3):151–65 (Eng. Abstr.) **(Ger)**

[Clinical significance of the adenoma–carcinoma sequence. Results of a retrospective study] Schlenkhoff D, et al. **Zentralbl Chir** 1986;111(18):1100–8 (Eng. Abstr.) **(Ger)**

[Localization of malignant adenomas in the large intestine] Di Carzio B, et al. **Minerva Dietol Gastroenterol** 1986 Jul–Sep;32(3):233–5 (Eng. Abstr.) **(Ita)**

[An autopsy case of Cronkhite–Canada syndrome developing after hemicolectomy for colonic cancer] Naitoh H, et al. **Gan No Rinsho** 1986 Oct;32(12):1619–24 (Eng. Abstr.) **(Jpn)**

[A long-term survived case of Cronkhite–Canada syndrome showed resolution of gastrointestinal polyposis] Iijima T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Mar; 84(3):749–53 **(Jpn)**

[Polypoid lesions of the large intestine] Yamagiwa H, et al. **Rinsho Byori** 1987 Apr;35(4):393–8 **(Jpn)**

[Clinical aspects of cytological diagnosis of adenomas of the rectum and sigmoid] Maksimova LV, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):69–72 (Eng. Abstr.) **(Rus)**

[Labeling index in colonic cancer, polyps and polyposis and nonspecific colitis] Blokhina NG, et al. **Vopr Onkol** 1986; 32(8):53–6 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Rheo- and radiohepatography in the evaluation of the condition of patients with diffuse polyposis of the large intestine] Eropkina AG, et al. **Klin Med (Mosk)** 1987 May; 65(5):95–8 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Multiple carcinomas of the colon and rectum. Vadalà G, et al. **Rays** 1987 Jan–Apr;12(1):15–26

[Gastrointestinal polyposis in the Cowden syndrome] Kullnig P, et al. **Radiologe** 1987 May;27(5):232–4 (Eng. Abstr.) **(Ger)**

[Significance of the colon contrast enema in evaluating the importance of rectosigmoid polyps] Gross-Fengels W, et al. **Rontgenblatter** 1986 Sep;39(9):245–50 (Eng. Abstr.) **(Ger)**

[Radiological differential diagnosis of colorectal cancer] Matsukawa M, et al. **Gan No Rinsho** 1986 Aug; 32(10):1287–92 (Eng. Abstr.) **(Jpn)**

SURGERY

Ringlike rectal ulcers after biopsy or polypectomy. Lev-Toaff AS, et al. **AJR** 1987 Feb;148(2):285–6

The endorectal ileal pull through operation with ileal reservoir, in pediatric surgery. Fonkalsrud EW. **Bull Soc Sci Med Grand Duche Luxemb** 1987;124 Spec No:157–61

A modified monopolar polypectomy snare for endoscopic high-frequency surgery in the gastrointestinal tract. Reimold WV. **Endoscopy** 1987 May;19(3):130–2

Short- and long-term results of colonoscopic polypectomy in children. Bartnik W, et al. **Gastrointest Endosc** 1986 Dec; 32(6):389–92

Intracolonic sucralfate suspension for postpolypectomy hemorrhage. Bronner MH, et al. **Gastrointest Endosc** 1986 Oct;32(5):362–3

Do synchronous adenomas influence prognosis after radical surgery for colorectal carcinoma? A prospective study. Kronborg O, et al. **Int J Color Dis** 1986 Apr;1(2):99–103

Stapled colorectal anastomoses: peroperative integrity of the anastomosis and risk of postoperative leakage. Lazorthes F, et al. **Int J Color Dis** 1986 Apr;1(2):96–8

Transanal excision of large sessile villous adenomas using an endorectal traction flap. Pello MJ. **Surg Gynecol Obstet** 1987 Mar;164(3):280–2

[Rubber band ligation for the treatment of polyps in the sigmoid colon and rectum] Shan ZT, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Jul;24(7):398–9, 445 (Eng. Abstr.) **(Chi)**

[Coexistence of an extensive tubulovillous adenoma of the duodenum and a cancer of Vater's ampulla] Schafmayer A, et al. **Chirurg** 1986 Oct;57(10):634–7 (Eng. Abstr.) **(Ger)**

[Endoscopic resection of colorectal polyps] Hesterberg R, et al. **Dtsch Med Wochenschr** 1987 Feb 6;112(6):210–3 (Eng. Abstr.) **(Ger)**

[Treatment of malignant colorectal polyps: removal by endoscopic polypectomy] Neeman A, et al. **Harefuah** 1986 Oct;111(7–8):169–71 (Eng. Abstr.) **(Heb)**

[Current directions in the surgical treatment of adenomatous polyposis of the colon and rectum] Fulvio S, et al. **Riv Med Aeronaut Spaz** 1984 Oct–Dec;51(4):87–94 (Eng. Abstr.) **(Ita)**

[Dispensary observation of patients with polyposis of the upper segment of the digestive tract] Lutsevich EV, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):55–9 (Eng. Abstr.) **(Rus)**

[Is it necessary to remove polyps of the large intestine?] Malinovskiĭ NN, et al. **Khirurgiia (Mosk)** 1987 Jan;(1):80–2 **(Rus)**

[Experience and prospects of surgical treatment of diffuse polyposis of the large intestine] Nikitin AM, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):67–71 (Eng. Abstr.) **(Rus)**

[Principles of mass screening of patients with ileostomy] Nikitin AM, et al. **Klin Med (Mosk)** 1987 May;65(5):116–20 (Eng. Abstr.) **(Rus)**

[Experience in performing polypectomies of the large intestine in children] Palkina IS. **Pediatriia** 1987;(3):77–8 **(Rus)**

[Surgical tactics in gastric polyps in patients with diffuse polyposis of the large intestine] Nikitin AM, et al. **Vestn Khir** 1986 Aug;137(8):43–6 (Eng. Abstr.) **(Rus)**

[Endoscopic removal of small intestinal polyps in total polyposis of the digestive tract] Strekalovskiĭ VP, et al. **Vestn Khir** 1986 Dec;137(12):36–9 (Eng. Abstr.) **(Rus)**

[Colorectal endoscopic polypectomies performed during 1 year] Garza Trasobares E, et al. **Rev Esp Enferm Apar Dig** 1986 Sep;70(3):201–5 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Hyperplastic polyposis of the colorectum and adenocarcinoma in a 24-year-old man. Bengoechea O, et al. **Am J Surg Pathol** 1987 Apr;11(4):323–7

Jejunitis cystica profunda in a hamartomatous polyp. Report of a case. Spjut HJ, et al. **Am J Surg Pathol** 1987 Apr; 11(4):328–32

INTESTINAL PSEUDO-OBSTRUCTION

Ogilvie's syndrome: a true definition [letter] Gifford RR. **Arch Surg** 1987 Aug;122(8):958

The colon in the pseudoobstructive syndrome. Anuras S, et al. **Clin Gastroenterol** 1986 Oct;15(4):745–62 (40 ref.)

Syndrome of intestinal pseudo-obstruction. Ramachandran CS, et al. **J Indian Med Assoc** 1986 Feb;84(2):64–5

[Dilatation of the colon with intestinal pseudo-obstruction. 16 new cases of Ogilvie syndrome] Ortega Serrano J, et al. **Rev Esp Enferm Apar Dig** 1987 Feb;71(2):145–50 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Nimodipine-treated subarachnoid hemorrhage associated with acute pseudo-obstruction of the colon. Torrealba G, et al. **Surg Neurol** 1987 Aug;28(2):150–2

COMPLICATIONS

Fatal bacterial peritonitis secondary to nonobstructive colonic dilatation (Ogilvie's syndrome) in cirrhotic ascites. Runyon BA. **J Clin Gastroenterol** 1986 Dec;8(6):687–9

Familial progressive neuronal disease and chronic idiopathic intestinal pseudo-obstruction. Steiner I, et al. **Neurology** 1987 Jun;37(6):1046–50

DIAGNOSIS

Colonic pseudo-obstruction: an important complication in hospitalized elderly patients. Hyatt R. **Age Ageing** 1987 May;16(3):145–52

Normal and pathological bowel sound patterns. Arnbjörnsson E. **Ann Chir Gynaecol** 1986;75(6):314–8

Acute pseudo-obstruction of the colon [letter] Goedkoop NM, et al. **Neth J Surg** 1986 Dec;38(6):192–3

[Acute pseudo-obstruction of the large intestine] Zlatarski G, et al. **Khirurgiia (Sofiia)** 1987;40(1):24–8 (38 ref.) **(Bul)**

[Ogilvie's syndrome. Primary pseudo-obstruction of the colon] Guivarc'h M, et al. **Chirurgie** 1986;112(7–8):557–66 (Eng. Abstr.) **(Fre)**

[Functional disorders of the digestive tract. 2: The small intestine and colon] Lederer PC, et al. **Fortschr Med** 1986 Nov 6;104(41):775–8 (Eng. Abstr.) **(Ger)**

[Pseudo-obstruction of the colon] Court F, et al. **Rev Med Chil** 1986 Nov;114(11):1067–9 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Treatment of chronic idiopathic intestinal pseudoobstruction [letter] Laustsen J, et al. **Dig Dis Sci** 1987 Feb;32(2):222–3

Cisapride does not reduce postoperative paralytic ileus. von Ritter C, et al. **S Afr J Surg** 1987 Mar;25(1):19–21

ETIOLOGY

Intestinal pseudo-obstruction in pheochromocytoma. Khafagi FA, et al. **Aust NZ J Med** 1987 Apr;17(2):246–8

Multiple myeloma presenting as intractable gastric retention in a patient with a previous gastroenterostomy. Chapple CR, et al. **Br J Surg** 1986 Nov;73(11):930

Tuberculous peritonitis in association with pancytopenia and pseudo-obstruction of the colon. Couse N, et al. **J R Soc Med** 1987 May;80(5):318–9

[Acute right colectasia following a cesarean section, treated by right colectomy (letter)] Mercier V, et al. **Presse Med** 1986 Oct 11;15(34):1731 **(Fre)**

[Aspects of different forms of pseudo-obstruction of the gastrointestinal tract] Lux G, et al. **Leber Magen Darm** 1986 Sep;16(5):316–22 **(Ger)**

[Gastrointestinal complications and their prevention after abdominal aortic reconstruction, especially factors and prevention of paralytic intestinal ileus after a abdominal bifurcated grafting operation] Kuraoka S, et al. **Nippon Geka Gakkai Zasshi** 1986 Dec;87(12):1564–8 (Eng. Abstr.) **(Jpn)**

[A case of chronic intestinal pseudo-obstruction complicated by mucopolysaccharidosis I Scheie type] Inuzuka S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov; 83(11):2429–34 **(Jpn)**

FAMILIAL & GENETIC

Familial intestinal pseudoobstruction dominated by a progressive neurologic disease at a young age. Faber J, et al. **Gastroenterology** 1987 Mar;92(3):786–90

Familial visceral neuropathy with autosomal dominant transmission. Mayer EA, et al. **Gastroenterology** 1986 Dec; 91(6):1528–35

[Experience with the familial occurrence of CIIP and review of the literature in Japan] Kido K, et al. **Nippon Geka Gakkai Zasshi** 1986 Dec;87(12):1569–75 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Spiral organisms in the human jejunum. Rolston DD, et al. **J Clin Gastroenterol** 1986 Dec;8(6):628–9

OCCURRENCE

Degenerative leiomyopathy with massive megacolon. Myopathic form of chronic idiopathic intestinal pseudo-obstruction occurring in indigenous Africans. Kaschula RO, et al. **Perspect Pediatr Pathol** 1987; 11:193–213

PATHOLOGY

Neuronal dysplasia and chronic intestinal pseudoobstruction: rectal biopsy as a possible aid to diagnosis. Achem SR, et al. **Gastroenterology** 1987 Mar;92(3):805–9

PHYSIOPATHOLOGY

Chronic idiopathic intestinal pseudo-obstruction: clinical and intestinal manometric findings. Stanghellini V, et al. **Gut** 1987 Jan;28(1):5–12

[Paralytic ileus—pathophysiology and clinical aspects] Schröder H, et al. **Zentralbl Chir** 1987;112(11):681–90 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

[Implanted electrodes in the prevention and treatment of postoperative paralytic ileus] Stupin VA, et al. **Khirurgiia (Mosk)** 1987 Mar;(3):100–2 **(Rus)**

RADIOGRAPHY

Small bowel pseudo-obstruction in Kawasaki disease. Miyake T, et al. **Pediatr Radiol** 1987;17(5):383–6

SURGERY

Temporary Witzel enterostomy in decompensated small-bowel obstruction or paralytic ileus. Paes EH, et al. **Acta Chir Scand** 1986 Aug–Sep;152:521–5

Operative endoscopic decompression of colonic pseudo-obstruction. King HA, et al. **J R Coll Surg Edinb** 1987 Feb;32(1):56–7

[Idiopathic intestinal pseudo-obstruction] Imhof M, et al. **Chirurg** 1986 Aug;57(8):506–9 (Eng. Abstr.) **(Ger)**

[Subtotal colectomy in neoplastic obstruction of the left part of the colon] Nowicki A. **Wiad Lek** 1987 Mar 1;40(5):324–6 (18 ref.) **(Pol)**

THERAPY

Colonoscopic therapy of acute pseudoobstruction of the colon. Nano D, et al. **Am J Gastroenterol** 1987 Feb; 82(2):145–8

Treatment of recurrent colonic pseudo-obstruction by endoscopic placement of a fenestrated overtube. Report of a case. Burke G, et al. **Dis Colon Rectum** 1987 Aug; 30(8):615–9

Acute colonic pseudo-obstruction or Ogilvie's syndrome. Report of two cases treated with colonoscopic decompression and review of the literature. Freilich HS, et al. **J Clin Gastroenterol** 1986 Aug;8(4):457–60

Successful management of post-cesarean-section acute pseudoobstruction of the colon (Ogilvie's syndrome) with colonoscopic decompression. A case report. Moore JG, et al. **J Reprod Med** 1986 Oct;31(10):1001–4

Problems of trace elements and vitamins during long-term

total parenteral nutrition: a case report of idiopathic intestinal pseudo-obstruction. Kadowaki H, et al. **JPEN J Parenter Enteral Nutr** 1987 May-Jun;11(3):322-5

[Colonoscopic decompression in volvulus and colonic pseudo-obstruction (letter)] Schagen van Leeuwen J. **Ned Tijdschr Geneeskd** 1986 Nov 15;130(46):2097 **(Dut)**

[Treatment of colectasia occurring in intensive care] Zerr B, et al. **Ann Fr Anesth Reanim** 1987;6(3):159-62 (Eng. Abstr.) **(Fre)**

[Primary idiopathic intestinal pseudo-obstruction] Walter M, et al. **Med Klin** 1986 Feb 28;81(4):151-3 **(Ger)**

[Acute pseudo-obstruction of the colon. A review of the literature and personal results] Wegener M, et al. **Med Klin** 1986 Jun 20;81(14):486-8 (Eng. Abstr.) **(Ger)**

[Experience in treating functional paralytic intestinal obstruction in acute pancreatitis] Kovalev AI, et al. **Klin Khir** 1986;(11):36-7 (Eng. Abstr.) **(Rus)**

INTESTINAL SECRETIONS

see related
GASTROINTESTINAL HORMONES

ANALYSIS

DAT (duodenal aspiration test) as a diagnostic tool for obstructive jaundice. Suharyono, et al. **Paediatr Indones** 1986 Jul-Aug;26(7-8):152-5

CYTOLOGY

[Method for studying leukocytes in the duodenal secretion] Makos' RP. **Lab Delo** 1986;(11):655-7 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Mechanisms underlying the small intestinal fluid secretion caused by arachidonic acid, prostaglandin E1 and prostaglandin E2 in the rat in vivo. Brunsson I, et al. **Acta Physiol Scand** 1987 Aug;130(4):633-42

Mechanisms of neurotensin-induced fluid secretion in the cat ileum in vivo. Eklund S, et al. **Acta Physiol Scand** 1987 Feb;129(2):203-10

Effects of the antisecretory factor in pigs. Lange S, et al. **Pflugers Arch** 1987 Jul;409(3):328-32

The effect of gallotannins and (+)-catechin on the stimulated fluid secretion on the colon, following a rhein perfusion in guinea pigs. Verhaeren EH, et al. **Planta Med** 1986 Aug;(4):269-72

HCO3- secretion in rat duodenum after treatment with omeprazole and ranitidine. Knutson L, et al. **Scand J Gastroenterol** 1987 Jan;22(1):87-90

[cAMP concentration, cAMP metabolism and fluid secretion in the jejunum, ileum and colon of the rat caused by cholera toxin] Loeschke K, et al. **Z Gastroenterol** 1986 Sep;24 Suppl 3:57-61 **(Ger)**

ENZYMOLOGY

Salivary isoamylase in duodenal aspirates. Lankisch PG, et al. **Dig Dis Sci** 1986 Dec;31(12):1299-302

In-vitro test of haptocorrin degradation for biological diagnosis of exocrine pancreatic dysfunction using duodenal juice collected during endoscopy. Guéant JL, et al. **Lancet** 1986 Sep 27;2(8509):709-12

[A new simplified colorimetric assay of colipase in duodenal juice using BALB as substrate and its clinical application] Furukawa Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul;83(7):1367-75 (Eng. Abstr.) **(Jpn)**

METABOLISM

In vitro effect of duodenal juice on R binders cobalamin complexes in subjects with pancreatic insufficiency: correlation with cobalamin absorption. Belaiche J, et al. **Gut** 1987 Jan;28(1):70-4

Acid pH enhances the effects of taurodeoxycholate on water and solute transport in the human and rat jejunum. Ammon HV, et al. **Pflugers Arch** 1987 Aug;409(6):601-6

Duodenal output and concentration of lactoferrin in chronic pancreatitis: correlation to amylase secretion and duct morphology. Hegnhøj J, et al. **Scand J Gastroenterol [Suppl]** 1986;126:60-4

[Effect of dietary fats on the motility and secretion of the gastrointestinal tract. A contribution to the fat intolerance syndrome] Schmidt-Wilcke HA. **Med Klin** 1987 May 8;82(10):356-9 **(Ger)**

[Significance of Meissner's plexus for the secretory function of the colonic mucosa] Goerg KJ, et al. **Z Gastroenterol** 1986 Sep;24 Suppl 3:70-8 **(Ger)**

[Bicarbonate output in the duodenal juice and various biochemical blood indicators in dialyzed patients] Grzegorzewska A, et al. **Przegl Lek** 1986;43(7):512-6 (Eng. Abstr.) **(Pol)**

MICROBIOLOGY

[Microflora and bile acids in the duodenal juice in children with lambliasis] Swiatkowska E, et al. **Wiad Lek** 1986 Sep 1;39(17):1169-74 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Intestinal mucus protects Giardia lamblia from killing by human milk. Zenian AJ, et al. **J Protozool** 1987 Feb;34(1):22-6

[Electrolyte and pH changes in the duodenal juice of premature infants with late acidosis] Senger H, et al. **Kinderarztl Prax** 1987 Apr;55(4):191-5 (Eng. Abstr.) **(Ger)**

[Dysfunction of digestive system secretion: intestinal secretion] Sumii K, et al. **Nippon Rinsho** 1986 Jul;44(7):1597-603 (22 ref.) **(Jpn)**

SECRETION

Effects of adrenoceptor antagonists on vagally induced gastric and duodenal HCO3- secretions in the cat. Fändriks L, et al. **Acta Physiol Scand** 1987 Jun;130(2):243-9

Effects of splanchnic nerve stimulation and of clonidine on gastric and duodenal HCO3- secretion in the anaesthetized cat. Fändriks L, et al. **Acta Physiol Scand** 1987 Jun;130(2):251-8

Sympatho-adrenergic inhibition of vagally induced gastric motility and gastroduodenal HCO-3 secretion in the cat. Fändriks L. **Acta Physiol Scand** 1986 Dec;128(4):555-62

Bleeding inhibits vagally induced duodenal HCO3- secretion via activation of the splanchnic nerves in anaesthetized rats. Jönson C, et al. **Acta Physiol Scand** 1987 Jun;130(2):259-64

Alkaline secretion. A protective mechanism against acid injury in rabbit duodenum. Wenzl E, et al. **Gastroenterology** 1987 Mar;92(3):709-15

[Neural regulation of the secretion of the small and large intestines] Wienbeck M, et al. **Z Gastroenterol** 1987 Apr; 25 Suppl 1:55-60 (18 ref.) (Eng. Abstr.) **(Ger)**

[Intestinal secretions] Tanaka K, et al. **Nippon Rinsho** 1986 Jul;44(7):1558-63 (45 ref.) **(Jpn)**

INTESTINE, LARGE

Intestinal adenocarcinomas metastatic to the ovaries. A clinicopathologic evaluation of 22 cases. Lash RH, et al. **Am J Surg Pathol** 1987 Feb;11(2):114-21

Carcinoma of the large intestine and nontraumatic, metastatic, clostridial myonecrosis. Furste W, et al. **Dis Colon Rectum** 1986 Dec;29(12):899-904 (49 ref.)

Geographic differences in the prevalence and distribution of large-bowel polyps--colonoscopic findings. Cronstedt J, et al. **Endoscopy** 1987 May;19(3):110-3

Comparison of two CEA assays in primary and recurrent large bowel carcinoma with different DNA ploidy pattern. Rognum TO, et al. **Eur J Cancer Clin Oncol** 1986 Oct; 22(10):1165-9

Adenocarcinoma of the large bowel and colitis in captive cotton-top tamarins Saguinus o. oedipus. Kirkwood JK, et al. **J Comp Pathol** 1986 Sep;96(5):507-15

Endometriosis of the bowel. Weed JC, et al. **Obstet Gynecol** 1987 May;69(5):727-30

Epithelial polyps of the large intestine. A classification based on biologic behavior. Giltman LI. **Postgrad Med** 1986 Oct; 80(5):113-6, 119

[Acute pseudo-obstruction of the large intestine] Zlatarski G, et al. **Khirurgiia (Sofiia)** 1987;40(1):24-8 (38 ref.) **(Bul)**

[Assessment of clinical symptoms in the diagnosis of obstruction of the large intestine of neoplastic origin] Zlatarski G, et al. **Khirurgiia (Sofiia)** 1986;39(4):1-4 (Eng. Abstr.) **(Bul)**

[Endoscopic interventions in creeping villous tumors of the large intestine] Strekalovskiĭ VP, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):72-5 (Eng. Abstr.) **(Rus)**

[Congenital defect of the sigmoid mesentery as a cause of the development of early postoperative obstruction of the large intestine] Baramiia NN, et al. **Klin Khir** 1987;(4):63 **(Rus)**

[Means of improving the diagnosis of cancer of the large intestine] Vlasov PV, et al. **Vopr Onkol** 1987;33(2):99-105 (Eng. Abstr.) **(Rus)**

ANALYSIS

Glycosphingolipid patterns of the gastrointestinal tract and feces of germ-free and conventional rats. Gustafsson BE, et al. **J Biol Chem** 1986 Nov 15;261(32):15294-300

[Mast cells, IgE containing cells and tissue histamine contents in normal mucosa of each part of the large intestine] Senjuh M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Feb; 84(2):216-20 (Eng. Abstr.) **(Jpn)**

[Mucosubstance histochemistry of the human large intestine] Katsuyama T, et al. **Rinsho Byori** 1987 Apr;35(4):405-12 **(Jpn)**

ANATOMY & HISTOLOGY

Ferrite particles for bowel contrast in MR imaging: design issues and feasibility studies. Hahn PF, et al. **Radiology** 1987 Jul;164(1):37-41

[Ligament system of the large intestine] Romanov PA, et al. **Arkh Anat Gistol Embriol** 1986 Aug;91(8):42-6 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Characterization of the syndrome of small and large intestinal variceal bleeding. Cappell MS, et al. **Dig Dis Sci** 1987 Apr; 32(4):422-7 (33 ref.)

[Ischemic colitis] Verkerk GG, et al. **Ned Tijdschr Geneeskd** 1987 Mar 7;131(10):391-4 **(Dut)**

[The study of x-ray findings in experimental ischemic enteritis--with special reference to deformity of the intestinal canal and its pathogenesis] Tsukasa S, et al. **Rinsho Hoshasen** 1987 Apr;32(4):485-93 (Eng. Abstr.) **(Jpn)**

[Intestinal infarct in occlusive lesions of the inferior mesenteric artery] Gagarin VV. **Klin Med (Mosk)** 1986 Oct; 64(10):53-7 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Differentiation of the enterochromaffin cells in human large intestine. Lolova I, et al. **Z Mikrosk Anat Forsch** 1986; 100(4):645-60

[Endocrine cells in the large intestine epithelium in various vertebrate species] Mutovkina TN, et al. **Arkh Anat Gistol Embriol** 1987 Apr;92(4):93-5 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Elevation of the large bowel histamine concentration by aminoguanidine induced diamine oxidase inhibition. Kusche J, et al. **Agents Actions** 1987 Apr;20(3-4):274-6

Dual effect of orally administered sennosides on large intestine transit and fluid absorption in the rat. Leng-Peschlow E. **J Pharm Pharmacol** 1986 Aug; 38(8):606-10

Effects of deoxycorticosterone acetate on the electrical properties of rat large intestine: segmental differences. Pácha J, et al. **Physiol Bohemoslov** 1987;36(2):141-7

Effects of enterally fed epidermal growth factor on the small and large intestine of the suckling rat [published erratum appears in Regul Pept 1987 May;17(5):300] Pollack PF, et al. **Regul Pept** 1987 Mar;17(3):121-32

EMBRYOLOGY

Developmental changes in the inner surface structure of the bovine large intestine. Asari M, et al. **Acta Anat (Basel)** 1986;127(2):137-41

ENZYMOLOGY

Longitudinal distribution of mucosal enzymes in the human large bowel. Børkje B, et al. **Scand J Gastroenterol** 1986 Oct;21(8):919-27

IMMUNOLOGY

Definite spontaneous cell-mediated cytotoxicity and HNK-1 cells in the human large intestine. Chiba M, et al. **Gastroenterol Jpn** 1986 Dec;21(6):584-93

[Immunohistochemical estimation of the proliferative action of breast and large intestine carcinomas] Horny HP, et al. **Verh Dtsch Ges Pathol** 1986;70:262-8 (Eng. Abstr.) **(Ger)**

[IgG, IgM, IgA, secretory IgA and the complement components C3, C4 and C9 in the large intestine in nonspecific ulcerative colitis and Crohn disease] Konovich EA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jan; (1):71-5 (Eng. Abstr.) **(Rus)**

INJURIES

[Diagnostic and therapeutic procedures in traumatic injuries to the large intestine, rectum and anus in childhood] Ivanchev I, et al. **Khirurgiia (Sofiia)** 1987;40(3):52-5 (Eng. Abstr.) **(Bul)**

[Injuries of the large intestine] Komarov IA, et al. **Klin Khir** 1987;(2):45-6 **(Rus)**

INNERVATION

Histochemical, immunocytochemical and ultrastructural data on the innervation of the smooth muscle of the large intestine in Hirschsprung's disease. Lolova I, et al. **Acta Physiol Pharmacol Bulg** 1986;12(2):55-62

Excitatory innervation of the rabbit rectococcygeus muscle by enteric nerves from the terminal large intestine. King BF, et al. **J Auton Nerv Syst** 1987 Apr;19(1):51-8

Acetylcholinesterase and Hirschsprung's disease. Weinberg AG. **J Pediatr Gastroenterol Nutr** 1986 Nov-Dec; 5(6):837-40

Reflex responses of neurons in the inferior mesenteric ganglion to mechanical stimulation of the colon, rectum, anal canal, and urinary bladder in the dog. Fukuda H, et al. **Jpn J Physiol** 1987;37(2):223-41

Extrinsic nervous control of motility of small and large intestines and related sphincters. Gonella J, et al. **Physiol Rev** 1987 Jul;67(3):902-61 (345 ref.)

[Neural regulation of the secretion of the small and large intestines] Wienbeck M, et al. **Z Gastroenterol** 1987 Apr; 25 Suppl 1:55-60 (18 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Fermentation in the human large intestine and the available substrates. Cummings JH, et al. **Am J Clin Nutr** 1987 May; 45(5 Suppl):1243-55

Comparison of fibre digestion and digesta retention time between rabbits, guinea-pigs, rats and hamsters. Sakaguchi E, et al. **Br J Nutr** 1987 Jul;58(1):149-58

Potential absorption of heparin from the small intestine and the large intestine in the presence of monoolein mixed micelles. Muranishi S, et al. **Chem Pharm Bull (Tokyo)** 1977 May;25(5):1159-61

Volatile fatty acids: their production, absorption, utilization, and roles in human health. Fleming SE, et al.

Clin Gastroenterol 1986 Oct;15(4):787–814 (102 ref.)

The effect of luminal pH on large intestinal absorption in ulcerative proctocolitis. McNeil NI. **Dis Colon Rectum** 1986 Dec;29(12):814–6

Synthesis and absorption of cysteine from the hindgut of the horse. McMeniman NP, et al. **Equine Vet J** 1987 May; 19(3):192–4

[Nitrogen exchange in the large intestine of ruminants. 4. Exchange and isotope balance of intracecally administered 14C- and 15N-urea in sheep with simultaneous intracecal dose of a partly hydrolyzed straw meal] Bergner H, et al. **Arch Tierernahr** 1986 Nov;36(11):1029–42 (Eng. Abstr.) **(Ger)**

[Etimizol absorption from the small intestine in dogs: the dependence on dosage] Trnovec T, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):729–30 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Glycyrrhizin beta-D-glucuronidase of Eubacterium sp. from human intestinal flora. Akao T, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):705–10

gamma-Aminobutyric acid production in small and large intestine of normal and germ-free Wistar rats. Influence of food intake and intestinal flora. van Berlo CL, et al. **Gastroenterology** 1987 Sep;93(3):472–9

Activity of fiber-degrading microorganisms in the pig large intestine. Varel VH. **J Anim Sci** 1987 Aug;65(2):488–96 (51 ref.)

[Changes in the microflora of the large intestine in rats administered cephalexin and erythromycin orally] Lapchinskaia AV, et al. **Antibiot Med Biotekhnol** 1987 Mar; 32(3):206–10 (Eng. Abstr.) **(Rus)**

[Microfloral changes in the small and large intestines of chronic enteritis patients on diet therapy including sour milk products] Sukhov SV, et al. **Vopr Pitan** 1986 Jul–Aug; (4):14–7 (Eng. Abstr.) **(Rus)**

[Search for propionic acid bacteria in the human intestine] Vorob'eva LI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Feb;(2):7–12 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Site selection by Microphallus pygmaeus Levinsen, 1881 (Trematoda: Microphallidae) in the laboratory mouse. Ahmad RA, et al. **Parasitol Res** 1987;73(3):250–4

The distribution of inhibited early third stage Cyathostominae larvae in the large intestine of the horse. Eysker M, et al. **Z Parasitenkd** 1986;72(6):815–20

PATHOLOGY

Changes in cell proliferation and morphology in the large intestine of normal and DMH-treated rats following colostomy. Barkla DH, et al. **Dis Colon Rectum** 1987 Apr; 30(4):278–84

Hirschsprung's disease: a clinical and pathologic overview. Blisard KS, et al. **Hum Pathol** 1986 Dec;17(12):1189–91

[Biopsy diagnosis of the large bowel cancer] Kato Y. **Rinsho Byori** 1987 Apr;35(4):399–404 **(Jpn)**

[Polypoid lesions of the large intestine] Yamagiwa H, et al. **Rinsho Byori** 1987 Apr;35(4):393–8 **(Jpn)**

PHYSIOLOGY

Review of large intestinal motility and mechanisms of impaction in the horse. Sellers AF, et al. **Equine Vet J** 1986 Jul;18(4):261–3 (18 ref.)

Mucosal surface pH of the large intestine of the rat and of normal and inflamed large intestine in man. McNeil NI, et al. **Gut** 1987 Jun;28(6):707–13

Epithelial and subepithelial resistance of rat large intestine: segmental differences, effect of stripping, time course, and action of aldosterone. Schulzke JD, et al. **Pflugers Arch** 1986 Dec;407(6):632–7

PHYSIOPATHOLOGY

[Morphofunctional characteristics of the regulatory systems of the large intestine in salmonellosis] Zufarov KA, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):747–9 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Experimental studies on the pathogenesis of the chronic radiation ulcer of the large bowel in rats. Trott KR, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep;12(9):1637–43

SURGERY

New method of bowel stoma formation. Resnick S. **Am J Surg** 1986 Nov;152(5):545–8

Single dose mezlocillin versus three dose cefuroxime plus metronidazole for the prophylaxis of wound infection after large bowel surgery. Stubbs RS, et al. **J Hosp Infect** 1987 May;9(3):285–90

The use of prophylactic antibiotics in colorectal surgery: a prospective trial. Isbister WH. **J R Coll Surg Edinb** 1986 Oct;31(5):284–8

Controversies in surgery. Ileostomy or a pouch? Cooke SA. **S Afr J Surg** 1987 Mar;25(1):27–8

Intestinal anastomosis after preoperative radiation therapy for carcinoma of the rectum. Friedmann P, et al. **Surg Gynecol Obstet** 1987 Mar;164(3):257–60

[Anastomosis of the large intestine: effect of surgical technics and sutures] Kawecki M. **Pol Tyg Lek** 1987 Apr 13; 42(15):449–51 (40 ref.) **(Pol)**

[Comparative evaluation of methods of preparing the large intestine for surgery (review of the literature)] Perov IuA, et al. **Khirurgiia (Mosk)** 1987 Jan;(1):108–15 (87 ref.) **(Rus)**

[Experience in performing polypectomies of the large intestine in children] Palkina IS. **Pediatriia** 1987;(3):77–8 **(Rus)**

[Diagnosis and prevention of suture incompetence in intestinal resection] Sigal ZM, et al. **Vestn Khir** 1986 Jul; 137(7):96–8 **(Rus)**

[Combined operations in diseases of the large intestine] Timerbulatov VM, et al. **Vestn Khir** 1987 Apr;138(4):32–3 (Eng. Abstr.) **(Rus)**

[Invagination anastomosis of the large intestine in an operation for Hirschsprung's disease] Urmonas VK, et al. **Vestn Khir** 1987 Jan;138(1):111–2 **(Rus)**

[Surgical prophylaxis of peritonitis and other suppurative-inflammatory complications following intra-abdominal resections in cancer of the large intestine] Seitshaeva VS, et al. **Vopr Onkol** 1987;33(2):93–8 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

[Artificial esophagus made from the large intestine in children] Lubenskii IuM, et al. **Khirurgiia (Mosk)** 1986 Aug; (8):86–8 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

[Activity of the nucleolar organizers of the cells in epithelial tumors of the human large intestine] Mamaev NN, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):763–5 (Eng. Abstr.) **(Rus)**

[Ultrastructural analysis of villous tumors of the large intestine (with the use of a computer)] Domanin AA, et al. **Vopr Onkol** 1987;33(1):31–5 (Eng. Abstr.) **(Rus)**

INTESTINE, SMALL

Computed tomography and sonography in small bowel intussusception: a case report. Abiri S, et al. **Am J Gastroenterol** 1986 Nov;81(11):1076–7

The significance of small bowel intussusception in acquired immune deficiency syndrome. Balthazar EJ, et al. **Am J Gastroenterol** 1986 Nov;81(11):1073–5

Enterolith ileus resulting from small bowel diverticulosis. Beal SL, et al. **Am J Gastroenterol** 1987 Feb;82(2):162–4

Adenomyomatous hamartoma of the small intestine: a rare cause of intussusception in an adult. Gal R, et al. **Am J Gastroenterol** 1986 Dec;81(12):1209–11

Incomplete small bowel obstruction by the Garren-Edwards gastric bubble necessitating surgical intervention. Kirby DF, et al. **Am J Gastroenterol** 1987 Mar;82(3):251–3

Development of a new insertion technique in push-type enteroscopy. Shimizu S, et al. **Am J Gastroenterol** 1987 Sep;82(9):844–7

Normal and pathological bowel sound patterns. Arnbjörnsson E. **Ann Chir Gynaecol** 1986;75(6):314–8

Surgical therapy of radiation-induced small-bowel lesions. Report of 34 cases with a high share of patients with combined chemotherapy. Miholic J, et al. **Arch Surg** 1987 Aug;122(8):923–6

Abdominal visceral perforation secondary to electrical injury: case report and review of the literature. Miller FE, et al. **Burns Incl Therm Inj** 1986 Oct;12(7):505–7

Strangulated femoral hernia containing acute gangrenous appendicitis: case report and review of the literature. Khatib CM. **Can J Surg** 1987 Jan;30(1):50

Technetium-99m RBC scintigraphy in the evaluation of small bowel leiomyoma. McDonald KL. **Clin Nucl Med** 1987 Feb;12(2):131–3

The cholescintigraphic pattern of small bowel obstruction. Tobin M, et al. **Clin Nucl Med** 1987 Mar;12(3):223–5

Small bowel obstruction as a complication of Kawasaki disease. Murphy DJ Jr, et al. **Clin Pediatr (Phila)** 1987 Apr; 26(4):193–6

Acute transanal ileal evisceration. Gooley NA, et al. **Dis Colon Rectum** 1987 Jun;30(6):479–81

Preoperative localization of intermittently bleeding small intestinal tumors using Tc-99m labeled red blood cell scanning. Report of two cases. Oliver GC, et al. **Dis Colon Rectum** 1987 Sep;30(9):715–20

Three cases of an unusual foreign body in small bowel. Guindi MM, et al. **Gastrointest Radiol** 1987;12(3):240–2

Annular malignancies of the small bowel. Levine MS, et al. **Gastrointest Radiol** 1987;12(1):53–8

Bowel obstruction in 'burned out' Crohn's. Kandel G, et al. **Hosp Pract [Off]** 1987 Jul 15;22(7):142–5, 148

Chronic environmental enteropathy in a temperate climate. Brunser O, et al. **Hum Nutr Clin Nutr** 1987 Jul;41(4):251–61

Abdominal cocoon causing small bowel obstruction [letter] Bhatnagar A, et al. **Indian J Gastroenterol** 1987 Jan; 6(1):55–6

Factors affecting mortality in small intestinal perforation. Bose SM, et al. **Indian J Gastroenterol** 1986 Oct;5(4):261–3

Small intestinal strictureplasty. Reo PL, et al. **Indian J Pediatr** 1987 May–Jun;54(3):445–7

Factors for prognostic use in equine obstructive small intestinal disease. Allen D Jr, et al. **J Am Vet Med Assoc** 1986 Oct 1;189(7):777–80

Microdiverticulitis: a rare but distinct cause of small bowel obstruction in early infancy. Cooper A, et al. **J Pediatr Surg** 1987 Jun;22(6):552–5

Cytoprotective agents in experimental small bowel volvulus. Goldman CD, et al. **J Pediatr Surg** 1987 Mar;22(3):260–3

Small bowel adenocarcinoma complicating Crohn's disease. Fell J, et al. **J R Soc Med** 1987 Jan;80(1):51–2

Small intestinal complications of diverticulitis of the sigmoid colon. Frager D, et al. **JAMA** 1986 Dec 19;256(23):3258–61

Gallstone ileus: recent experience at Brooke Army Medical Center. Kunkel JM. **Milit Med** 1986 Sep;151(9):485–6

Ileal endometriosis causing acute small-bowel obstruction. Agha FP, et al. **Mt Sinai J Med (NY)** 1986 Jun; 53(6):497–500

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 7-1987. A 46-year-old woman with abdominal pain, ascites, and a pelvic mass. **N Engl J Med** 1987 Feb 12;316(7):394–403

Linitis plastica of the stomach and entire intestine. Cluysenaer OJ, et al. **Neth J Med** 1986;29(9):276–9

Primary tumours of the small intestine. Postma CT, et al. **Neth J Med** 1986;29(9):268–71

Acquired diverticulosis of the small bowel. Cirillo LC, et al. **Rays** 1986 Sep-Dec;11(3):71–5

Idiopathic small-bowel perforations. Scharf GM, et al. **S Afr J Surg** 1987 Jun;25(2):53–4

Functional disorders of the stomach and small bowel. Wingate DL. **Scand J Gastroenterol [Suppl]** 1987;128:62–8

Protection from radiation-associated small bowel injury with the aid of an absorbable mesh. Devereux DF. **Semin Surg Oncol** 1986;2(1):17–23

A method of collecting the effluent from complicated fistula of the small intestine. Betancourt S. **Surg Gynecol Obstet** 1986 Oct;163(4):375

[Casuistic ruptures of the rectosigmoid with small intestine evisceration through the anus] Mikhallov M, et al. **Khirurgiia (Sofiia)** 1986;39(4):62 **(Bul)**

[Ileus and pregnancy] Wilken-Jensen C. **Ugeskr Laeger** 1987 Apr 6;149(15):986 (Eng. Abstr.) **(Dan)**

[Painful ophthalmoplegia disclosing lymphoma of the small intestine] Sirbat D, et al. **Bull Soc Ophtalmol Fr** 1986 Mar; 86(3):297–300 (Eng. Abstr.) **(Fre)**

[Candidiasis involvement of the small intestine complicated by perforation. A case of favorable course] Fischer D, et al. **Gastroenterol Clin Biol** 1987 Jun-Jul;11(6-7):514–7 (Eng. Abstr.) **(Fre)**

[Digestive hemorrhage due to leiomyoma of the small intestine] Attiaoui M, et al. **Tunis Med** 1986 Jun-Jul; 64(6-7):637–40 (Eng. Abstr.) **(Fre)**

[Sigmoid volvulus associated with volvulus of the small intestine. Apropos of 2 cases and a review of the literature] Dziri C, et al. **Tunis Med** 1986 Jun-Jul;64(6-7):625–9 (6 ref.) (Eng. Abstr.) **(Fre)**

[Leiomyoma of the small intestine. Apropos of 2 cases] Fodha M, et al. **Tunis Med** 1986 Jun-Jul;64(6-7):631–6 (Eng. Abstr.) **(Fre)**

[Ileus in enterothorax caused by right-sided rupture of the diaphragm. A case report] Schmidt H, et al. **Aktuel Traumatol** 1986 Dec;16(6):241–3 (Eng. Abstr.) **(Ger)**

[Cow's milk protein intolerance as a cause of small bowel occlusion] Pittschieler K. **Helv Paediatr Acta** 1986 Dec; 41(5):461–4 (Eng. Abstr.) **(Ger)**

[Small bowel lymphoma as a complication of non-tropical sprue (celiac disease). A case report] Raaijmakers PA, et al. **ROFO** 1987 Jan;146(1):103–4 **(Ger)**

[Can simple small bowel obstruction be differentiated from strangulated obstruction?] Itzkovitz D, et al. **Harefuah** 1986 Nov 2;111(9):220–2 (Eng. Abstr.) **(Heb)**

[Small-bowel perforation due to foreign bodies] Kaufman Z, et al. **Harefuah** 1986 Oct;111(7-8):171–2 (Eng. Abstr.) **(Heb)**

[Neoplasms of the small intestine. Personal cases and clinical considerations] Galli F, et al. **Minerva Chir** 1987 Apr 15; 42(7):629–31 **(Ita)**

[Schöenlein-Henoch syndrome. Description of a rarely reported case of intestinal perforation and a case with possible sequelae of acute recurrent synovitis type] Bonenti G, et al. **Minerva Pediatr** 1986 Oct 15;38(19):867–71 (Eng. Abstr.) **(Ita)**

[A case of intussusception due to intestinal metastasis of renal carcinoma] Yamada Y, et al. **Gan No Rinsho** 1986 Oct; 32(12):1604–9 (Eng. Abstr.) **(Jpn)**

[Volvulus of the small intestine (letter)] Hebra A, et al. **Rev Paul Med** 1985 Nov-Dec;103(6):321 **(Por)**

[Carcinoid of the small intestine] Popescu I, et al. **Rev Chir [Chir]** 1986 Sep-Oct;35(5):373–9 (Eng. Abstr.) **(Rum)**

[Role of impaired regeneration of the mucosal epithelium in the pathogenesis of acute ulcers of the stomach and small intestine] Cherviak PI, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):371–3 (Eng. Abstr.) **(Rus)**

[Morphologic changes in the liver as affected by small intestine fistulae] Iukhtin VI, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):606–9 (Eng. Abstr.) **(Rus)**

[Acute small-intestine obstruction in adult Siamese twins] Iukhtin VI, et al. **Khirurgiia (Mosk)** 1986 Aug;(8):146–7 **(Rus)**

[Gastric phytobezoars and small intestine obturation in the late period after vagotomy] Karaman NV, et al.

Klin Khir 1986;(11):56-7 **(Rus)**
[Combined acute destructive appendicitis and the tumor-like form of tuberculosis of the small intestine] Ligonenko AV, et al. **Klin Khir** 1987;(4):58-9 **(Rus)**
[Long-term decompression of the intestines in acute peritonitis and intestinal obstruction] Liubenko LA, et al. **Klin Khir** 1987;(4):30-2 (Eng. Abstr.) **(Rus)**
[Foreign body of the small intestine] Podkur PE. **Klin Khir** 1987;(2):44-5 **(Rus)**
[A rare postoperative complication] Saraev VV. **Klin Khir** 1987;(1):68-9 **(Rus)**
[Aberrant pancreas] Karagliulian RG, et al. **Klin Med (Mosk)** 1987 Feb;65(2):98-100 (Eng. Abstr.) **(Rus)**
[Giant mesenteric cysts of the small intestine] Kudriavtsev ZP, et al. **Vestn Khir** 1986 Oct;137(10):61-2 **(Rus)**
[Diagnosis and treatment of malignant tumors of the small intestine] Pashkevich VI, et al. **Vestn Khir** 1986 Jul; 137(7):48-51 (Eng. Abstr.) **(Rus)**
[Effect of bile on the development of tumors of the stomach and small intestine induced in rats by N-methyl-N-nitro-N-nitrosoguanidine] Sherenesheva NI. **Vopr Onkol** 1987;33(1):83-9 (Eng. Abstr.) **(Rus)**
[Importance of amino acid mixtures in the supplementary nutrition of patients with chronic diseases of the small intestine] Loginov AS, et al. **Vopr Pitan** 1987 May-Jun; (3):16-9 (Eng. Abstr.) **(Rus)**
[Unspecific ulcers of the small intestine] Anta A, et al. **Rev Esp Enferm Apar Dig** 1987 Apr;71(4):337-42 (Eng. Abstr.) **(Spa)**
[Intestinal metastasis of melanoma] Cerdán FJ, et al. **Rev Esp Enferm Apar Dig** 1987 Apr;71(4):349-52 (Eng. Abstr.) **(Spa)**
[Tumors of the small intestine. Results. 1 to 9-year follow-up] González González JJ, et al. **Rev Esp Enferm Apar Dig** 1986 Oct;70(4):308-10 (Eng. Abstr.) **(Spa)**
[Bezoars. Our experience with 23 cases] Pérez Rafecas M, et al. **Rev Esp Enferm Apar Dig** 1987 Jun;71(6):499-504 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Midgut volvulus in the adult. A complication of intestinal malrotation. Rowsom JT, et al. **J Clin Gastroenterol** 1987 Apr;9(2):212-6
Multiple duplications of the small intestine. Buras RR, et al. **J Pediatr Surg** 1986 Nov;21(11):957-9
Duplication of the entire small intestine--a case report. Dòmini R, et al. **Z Kinderchir** 1986 Dec;41(6):371-4
[Asymptomatic duplication of the small intestine--a rare cause of Chilaiditi's syndrome] Gössi U, et al. **ROFO** 1986 Nov;145(5):603-6 (Eng. Abstr.) **(Ger)**
[A case of cystic duplication of the intestine. Prenatal diagnosis and treatment] Candussi G, et al. **Minerva Ginecol** 1987 Mar;39(3):135-40 (Eng. Abstr.) **(Ita)**

ANALYSIS

Changes in cyclic 3'5'-adenosine monophosphate tissue concentration and net fluid transport in the cat's small intestine elicited by cholera toxin, arachidonic acid, vasoactive intestinal polypeptide and 5-hydroxytryptamine. Eklund S, et al. **Acta Physiol Scand** 1987 Jan;129(1):115-25
Induction of muscarinic acetylcholine, serotonin and substance P receptors in Xenopus oocytes injected with mRNA prepared from the small intestine of rats. Aoshima H, et al. **Brain Res** 1987 Apr;388(1):15-20
Microtiter-plate method for estimating protein in biopsies of human small intestine. Nugent DW, et al. **Clin Chem** 1987 Sep;33(9):1671
Enzyme-linked immunoadsorbent assay (ELISA) for calcium-binding protein of human small intestine. A quantitative method for measuring calcium-binding protein in small intestinal biopsies. Staun M. **Clin Chim Acta** 1986 Sep 30;159(3):239-48
Calcium-binding protein from human small intestine. Purification and characterization of a 10,000 molecular weight protein. Staun M, et al. **Eur J Clin Invest** 1986 Dec; 16(6):468-72
Increased HLA-DR expression by enterocytes in children with celiac disease. Arnaud-Battandier F, et al. **Gastroenterology** 1986 Nov;91(5):1206-12
Immunohistochemical localization of epidermal growth factor in rat and man. Poulsen SS, et al. **Histochemistry** 1986;85(5):389-94
Glycosphingolipid patterns of the gastrointestinal tract and feces of germ-free and conventional rats. Gustafsson BE, et al. **J Biol Chem** 1986 Nov 15;261(32):15294-300
Circadian rhythm of neurotensin levels in rat small intestine. Ferris CF, et al. **Regul Pept** 1986 Nov;15(4):285-92
[Dopamine and norepinephrine concentrations in the human digestive tract following exogenous dopamine administration] Shibata O, et al. **Masui** 1986 Dec; 35(12):1830-5 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Influence of conventionalization on small-intestinal mucosa of germ-free Wistar rats: quantitative light microscopic observations. Ishikawa K, et al. **Acta Anat (Basel)** 1986; 127(4):296-302
Small intestinal response to 'elemental' and 'complete' liquid feeds in the rat: effect of dietary bulk. Maxton DG, et al. **Gut** 1987 Jun;28(6):688-93
Characterization of the Yucatan miniature pig skin and small intestine for pharmaceutical applications. Kurihara-Bergstrom T, et al. **Lab Anim Sci** 1986 Aug; 36(4):396-9
Normal anatomy and pathologic changes of the small bowel mesentery: US appearance. Derchi LE, et al. **Radiology** 1987 Sep;164(3):649-52
[Microtopographic relation between the lymphatic capillaries and glands of the small intestine] Revazov VS. **Arkh Anat Gistol Embriol** 1987 May;92(5):53-7 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

An experimental model for studying reversible intestinal ischemia. Otamiri T, et al. **Acta Chir Scand** 1987 Jan; 153(1):51-6
Small bowel infarction and death from primary mesenteric venous thrombosis. Slutzker DM, et al. **Am J Emerg Med** 1987 Mar;5(2):126-9
Protection of the small intestine from nonocclusive mesenteric ischemic injury due to cardiogenic shock. Bailey RW, et al. **Am J Surg** 1987 Jan;153(1):108-16
Acute occlusive intestinal ischemia studied by phosphorus-31 nuclear magnetic resonance. Blum H, et al. **Curr Surg** 1986 Nov-Dec;43(6):482-5
Characterization of the syndrome of small and large intestinal variceal bleeding. Cappell MS, et al. **Dig Dis Sci** 1987 Apr; 32(4):422-7 (33 ref.)
Quantitative myoelectric determination of bowel viability. Brolin RE, et al. **J Surg Res** 1986 Dec;41(6):557-62
Successful pregnancy outcome using total parenteral nutrition from the first trimester of pregnancy. Lipkin EW, et al. **JPEN J Parenter Enteral Nutr** 1986 Nov-Dec; 10(6):665-9
Intestinal repair in chronically undernourished rabbits. Guzman C, et al. **Pediatr Res** 1986 Dec;20(12):1301-4
Vascular perfusion of the ischemic small intestine. Juhász M, et al. **Prog Clin Biol Res** 1987;236A:503-8
Small intestine ischemia simulating primary colonic disease. Glick SN, et al. **Radiology** 1987 Jul;164(1):43-6
Assessment of blood flow in the small intestine with laser Doppler flowmetry. Ahn H, et al. **Scand J Gastroenterol** 1986 Sep;21(7):863-70
Assessment of small-bowel ischemia by laser Doppler flowmetry. Some case reports. Johansson K, et al. **Scand J Gastroenterol** 1986 Nov;21(9):1147-52
Lysophosphatidylcholine potentiates the increase in mucosal permeability after small-intestinal ischaemia. Otamiri T, et al. **Scand J Gastroenterol** 1986 Nov;21(9):1131-6
Myoelectric assessment of bowel viability. Brolin RE, et al. **Surgery** 1987 Jul;102(1):32-8
[Changes in biochemical parameters of the blood after experimental devitalization of the intestines] Fortýn K, et al. **Cas Lek Cesk** 1987 Mar 6;126(10):303-5 (Eng. Abstr.) **(Cze)**
[Mesenteric arteritis with infarction of the small intestine 5 years after temporal arteritis] Boesen P. **Ugeskr Laeger** 1986 Oct 27;148(44):2841-2 (Eng. Abstr.) **(Dan)**
[Intestinal hemorrhage due to multiple phlebectasias of the small intestine] Hammentgen R, et al. **Dtsch Med Wochenschr** 1987 Mar 13;112(11):433-6 (Eng. Abstr.) **(Ger)**
[Segmental ischemic lesions of the mesenteric small intestine] Maurano A, et al. **Radiol Med (Torino)** 1987 Jan-Feb; 73(1-2):35-8 (Eng. Abstr.) **(Ita)**
[Acute intestinal ischemia] Ancyparowicz S, et al. **Pol Tyg Lek** 1986 Aug 18;41(33):1030-3 **(Pol)**
[Acute intestinal ischemia of vascular origin: its pathomechanism and diagnostic possibilities] Hartleb M. **Pol Tyg Lek** 1986 Aug 18;41(33):1027-9 (Eng. Abstr.) **(Pol)**
[Effect of helium-neon laser radiation on restoration of the structure of the microcirculatory bed and neurocytes of the small intestine following experimental ischemia] Mel'man EP, et al. **Arkh Anat Gistol Embriol** 1987 May; 92(5):39-45 (Eng. Abstr.) **(Rus)**
[Reactions of the microcirculatory bed to transient ischemia] Aleksandrov PN, et al. **Fiziol Zh SSSR** 1986 Sep; 72(9):1237-43 (Eng. Abstr.) **(Rus)**
[Coefficient of capillary filtration and distensibility of small intestine vessels at various levels of blood flow and venous and perfusion pressure] Cherniavskaia GV, et al. **Fiziol Zh SSSR** 1986 Sep;72(9):1223-31 (Eng. Abstr.) **(Rus)**
[Functions of the small intestinal vessels during the cardiogenic depressor reflex and hyperthermia] Enikeev MV. **Fiziol Zh SSSR** 1986 Sep;72(9):1244-50 (Eng. Abstr.) **(Rus)**
[Macro- and microhemodynamics and transcapillary fluid exchange in skeletal muscle and the intestines after intra-arterial injection of obsidan and corinfar] Kostko SZ, et al. **Fiziol Zh SSSR** 1986 Sep;72(9):1310-8 (Eng. Abstr.) **(Rus)**
[Changes in transcapillary fluid exchange in the small intestine in response to reflex activation of the vagus nerves] Makovskaia VA. **Fiziol Zh SSSR** 1986 Sep; 72(9):1232-6 (Eng. Abstr.) **(Rus)**
[Filtration-absorption function of the vessels of the small intestine in response to reflex effects] Makovskaia VA, et al. **Fiziol Zh SSSR** 1986 Nov;72(11):1523-7 (Eng. Abstr.) **(Rus)**
[Direct effect of hypoxia on the functions of the small intestinal vessels of the cat] Polenov SA, et al. **Fiziol Zh SSSR** 1986 Sep;72(9):1251-9 (Eng. Abstr.) **(Rus)**
[Role of alpha- and beta-adrenoreceptors in the formation of shifts in the vascular function of the intestine during acute cooling of the body] Shabaev RR, et al. **Fiziol Zh SSSR** 1986 Sep;72(9):1294-300 (Eng. Abstr.) **(Rus)**
[Macro- and micro-hemocirculatory shifts in the small intestine during pressor reflexes] Tkachenko BI, et al. **Fiziol Zh SSSR** 1987 Feb;73(2):155-62 (Eng. Abstr.) **(Rus)**
[Resistance, capacitance and exchange functions of the vessels of the small intestines and skeletal muscles during exposure of the body to intense heat] Tkachenko BI, et al. **Fiziol Zh SSSR** 1986 Sep;72(9):1284-93 (Eng. Abstr.) **(Rus)**
[Blood microcirculatory pathways in death from acute arterial blood loss] Shilin AV. **Sud Med Ekspert** 1987 Jan-Mar;30(1):9-12 (Eng. Abstr.) **(Rus)**
[Visual angiotensometry in operations for acute intestinal obstruction and strangulated hernia] Rukhliada NV, et al. **Vestn Khir** 1987 Jan;138(1):33-6 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Calcitonin gene-related peptide in morphologically well-defined type II neurons of the enteric nervous system in the porcine small intestine. Scheuermann DW, et al. **Acta Anat (Basel)** 1987;129(4):325-8
Mast cells in human keloid, small intestine, and lung by an immunoperoxidase technique using a murine monoclonal antibody against tryptase. Craig SS, et al. **Am J Pathol** 1986 Sep;124(3):427-35
Spatial orientation of the mitotic apparatus and its stability in a polarized epithelial cell. A computer-assisted morphometric analysis. Lamprecht J, et al. **Anat Embryol (Berl)** 1986;175(1):129-35
Occurrence of cells containing paracrystalloid material in the intestinal lamina propria of the hibernating bat Myotis lucifugus. Payette RF, et al. **Anat Rec** 1987 Jun; 218(2):149-56
Calcium uptake by intracellular compartments in permeabilised enterocytes. Effect of inositol 1,4,5 trisphosphate. Velasco G, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):612-8
The use of hyperosmolar, intracellular-like solutions for the isolation of epithelial cells from guinea-pig small intestine. Del Castillo JR. **Biochim Biophys Acta** 1987 Jul 23; 901(2):201-8
Cell migration velocities in the crypts of the small intestine after cytotoxic insult are not dependent on mitotic activity. Kaur P, et al. **Cell Tissue Kinet** 1986 Nov;19(6):601-10
Circadian variation in migration velocity in small intestinal epithelium. Kaur P, et al. **Cell Tissue Kinet** 1986 Nov; 19(6):591-9
Intestinal cell proliferation. I. A comprehensive model of steady-state proliferation in the crypt. Loeffler M, et al. **Cell Tissue Kinet** 1986 Nov;19(6):627-45
Evidence for cell generation controlled proliferation in the small intestinal crypt. Meinzer HP, et al. **Cell Tissue Kinet** 1986 Nov;19(6):581-90
Modulation of in vitro thymidine incorporation into crypt cells from the murine small intestine. Speekenbrink AB, et al. **Cell Tissue Kinet** 1987 Mar;20(2):135-44
The cross-ply arrangement of collagen fibres in the submucosa of the mammalian small intestine. Gabella G. **Cell Tissue Res** 1987 Jun;248(3):491-7
Three-dimensional organization of lymphatics and its relationship to blood vessels in rat small intestine. Ohtani O. **Cell Tissue Res** 1987 May;248(2):365-74
A comparison of the structural integrity of several commonly used preparations of rat small intestine in vitro. Plumb JA, et al. **Clin Sci** 1987 Jul;73(1):53-9
Contradistinctive growth responses of cultured rat intestinal epithelial cells to epidermal growth factor depending on cell population density. Blay J, et al. **J Cell Physiol** 1986 Dec;129(3):343-6
Cellular adaptation of the rat small intestine after proximal enterectomy: changes in microvillous enzymes and in the secretory component of immunoglobulins. Buts JP, et al. **Pediatr Res** 1987 Jul;22(1):29-33
Different inhibitions of the voltage-dependent K+ current by Ca2+ antagonists in the smooth muscle cell membrane of rabbit small intestine. Terada K, et al. **Pflugers Arch** 1987 May;408(6):558-64
Immunohistochemical demonstration of pancreatic secretory proteins in human paneth cells. Bohe M, et al. **Scand J Gastroenterol [Suppl]** 1986;126:65-8
[Effect of measured substrate loading on the structural characteristics of the isolated intestinal loop in the rat] Punin MIu, et al. **Dokl Akad Nauk SSSR** 1987; 293(5):1239-42 **(Rus)**

DRUG EFFECTS

Studies on the mucosal hyperaemia of the feline small intestine observed at endoluminal perfusion with substance P. Grönstad KO, et al. **Acta Physiol Scand** 1986 Sep; 128(1):97-108
Blood flow distribution, lymph flow, villus tissue osmolality

and fluid and electrolyte transport after exposing the cat small intestine to sodium deoxycholate. Karlström L, et al. **Acta Physiol Scand** 1986 Sep;128(1):83–96

Alpha2-adrenoceptor agonists inhibit the migrating myoelectric complexes of the small intestine in rats. Thollander M, et al. **Acta Physiol Scand** 1987 May; 130(1):165–7

Quantitative analysis of intestinal ulceration induced by indomethacin, in rats. Ezer E. **Agents Actions** 1987 Jun; 21(1–2):173–6

Exogenous opiates: their local mechanisms of action in the canine small intestine and stomach. Fox JE, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):G179–88

Alterations in crypt cell populations in the small intestine as an early toxic response to sub-acute ethanol administration. Lansdown AB, et al. **Arch Toxicol** 1987 Apr;59(6):448–52

The effect of corticosteroids on microvillous vesicles from the small intestine of adult rats: an automated, morphometric analysis [published erratum appears in Basic Appl Histochem 1986;30(4):510] Gastaldi G, et al. **Basic Appl Histochem** 1986;30(3):343–53

Estrogen-induced alterations of hematoside of rat small intestinal mucosa. Dahiya R, et al. **Biochim Biophys Acta** 1987 Apr 24;918(3):230–5

Further studies on the response of intestinal crypt cells of different hierarchical status to eighteen different cytotoxic agents. Ijiri K, et al. **Br J Cancer** 1987 Feb;55(2):113–23

Effect of desamino-cholecystokinin-octapeptide (CCK-7) on the intraluminal pressure and myoelectrical activity of the gall-bladder, stomach, and small intestine in conscious dogs. Milesov E, et al. **Br J Pharmacol** 1983 Dec; 80(4):681–9

Effects of puromycin, cycloheximide and noradrenaline on cell migration within the crypts and on the villi of the small intestine. A model to explain cell movement in both regions. Kaur P, et al. **Cell Tissue Kinet** 1986 Nov; 19(6):611–25

Effect of difluoromethyl ornithine (DFMO) on small intestine of adult and weanling rats. Alarcon P, et al. **Dig Dis Sci** 1987 Aug;32(8):883–8

Prostaglandins are not involved in the differentiation or growth of cultured small intestinal cells. Stange EF, et al. **Digestion** 1986;35(4):217–23

Effect of non-steroidal anti-inflammatory drugs on the human small intestine. Bjarnason I, et al. **Drugs** 1986;32 Suppl 1:35–41

Histopathological changes induced in rat tissues by oral intake of lead acetate. Karmakar N, et al. **Environ Res** 1986 Oct;41(1):23–8

Neurogenic mechanism of action of motilin in the canine isolated small intestine ex vivo. Hirning LD, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):241–8

Neuropeptide Y inhibits excitatory enteric neurons supplying the circular muscle of the guinea pig small intestine. Holzer P, et al. **Gastroenterology** 1987 Jun;92(6):1944–50

Effect of non-steroidal anti-inflammatory drugs and prostaglandins on the permeability of the human small intestine. Bjarnason I, et al. **Gut** 1986 Nov;27(11):1292–7

Effect of chronic ethanol ingestion on enterocyte turnover in rat small intestine. Mazzanti R, et al. **Gut** 1987 Jan; 28(1):52–5

Effect of chronic ethanol intake on lactase activity and active galactose absorption in rat small intestine. Mazzanti R, et al. **Gut** 1987 Jan;28(1):56–60

Cimetidine and neonatal small bowel adaptation: an experimental study. Goldman CD, et al. **J Pediatr Surg** 1987 Jun;22(6):484–7

The influence of gastrin on gastrointestinal function. Schwartz MZ, et al. **J Pediatr Surg** 1986 Dec;21(12):1123–7

Unstirred water layers in rabbit intestine: effects of guar gum. Cerda JJ, et al. **JPEN J Parenter Enteral Nutr** 1987 Jan–Feb;11(1):63–6

Sodium-independent, hydrogen ion-dependent changes in membrane potential and conductance induced by dipeptides in Triturus enterocytes. Shimada T, et al. **Jpn J Physiol** 1986;36(3):451–65

Blocking actions of Ca2+ antagonists on the Ca2+ channels in the smooth muscle cell membrane of rabbit small intestine. Terada K, et al. **Pflugers Arch** 1987 May; 408(6):552–7

Ability of cimetidine to increase intestinal pH of chicks. Ward NE, et al. **Poult Sci** 1987 May;66(5):910–2

The effects of gastrin, epidermal growth factor, and somatostatin on DNA synthesis in a small intestinal crypt cell line (IEC–6). Conteas CN, et al. **Proc Soc Exp Biol Med** 1987 Mar;184(3):307–11

Effects of enterally fed epidermal growth factor on the small and large intestine of the suckling rat [published erratum appears in Regul Pept 1987 May;17(5):300] Pollack PF, et al. **Regul Pept** 1987 Mar;17(3):121–32

Inhibition of leucine aminopeptidase (LAP) activity in the small intestines of rats exposed to dietary cadmium. Phillpotts CJ, et al. **Toxicol Lett** 1986 Dec;34(2–3):271–5

Effects of Escherichia coli heat-stable enterotoxin b on small intestinal villi in pigs, rabbits, and lambs. Rose R, et al. **Vet Pathol** 1987 Jan;24(1):71–9

[Toxicity studies of the Bulgarian cytostatic biocarbazine on the lung, kidneys and small intestine] Uzunov P, et al. **Eksp Med Morfol** 1986;25(4):57–62 (Eng. Abstr.) **(Bul)**

[Effect of trimebutine on the motility of the normal human small intestines: mechanism of action] Chaussade S, et al. **Gastroenterol Clin Biol** 1987;11(3 Pt 2):97B–101B (Eng. Abstr.) **(Fre)**

[Effect of anthracycline antibiotics on the morphology of the mouse small intestine] Fomina TI. **Antibiot Med Biotekhnol** 1986 Aug;31(8):617–20 (Eng. Abstr.) **(Rus)**

[Reception of sucrose in the small intestine after monoamine oxidase and beta-adrenoreceptor block] Itina LV. **Fiziol Zh SSSR** 1987 Jan;73(1):103–10 (Eng. Abstr.) **(Rus)**

[Desensitization of alpha-adrenoreceptors of the small intestine of the rat] Manukhin BN, et al. **Fiziol Zh SSSR** 1986 Aug;72(8):1125–30 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Enterocyte migration in the foetal sheep small intestine. Trahair JF, et al. **Biol Neonate** 1986;50(4):214–20

Growth of the fetal sheep small intestine [published erratum appears in Growth 1986 Autumn;50(3):418] Trahair JF, et al. **Growth** 1986 Summer;50(2):201–16

Fetal bowel. Normal sonographic findings. Nyberg DA, et al. **J Ultrasound Med** 1987 Jan;6(1):3–6

Studies on the maturation of the small intestine in the fetal sheep. II. The effects of exogenous cortisol. Trahair JF, et al. **Q J Exp Physiol** 1987 Jan;72(1):71–9

Studies on the maturation of the small intestine of the fetal sheep. I. The effects of bilateral adrenalectomy. Trahair JF, et al. **Q J Exp Physiol** 1987 Jan;72(1):61–9

ENZYMOLOGY

Molecular forms of alkaline phosphatase in particular segments of the small intestine of adult rat. Separation of three enzyme forms from jejunum. Dupuis Y, et al. **Acta Biochim Pol** 1986;33(4):269–75

Light microscopical localization of enzymes by means of cerium-based methods. V. Optimization of the cerium-lead (Ce-Pb)-technique for alkaline phosphatase. Halbhuber KJ, et al. **Acta Histochem (Jena)** 1987;81(1):71–5

Competitive inhibition of folate absorption by dihydrofolate reductase inhibitors, trimethoprim and pyrimethamine. Zimmerman J, et al. **Am J Clin Nutr** 1987 Sep;46(3):518–22

Effect of epidermal growth factor on polyamine-synthesizing enzymes in rat enterocytes. Fitzpatrick LR, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):G209–14

Fate of pancreatic enzymes during small intestinal aboral transit in humans. Layer P, et al. **Am J Physiol** 1986 Oct; 251(4 Pt 1):G475–80

Anchoring and biosynthesis of stalked brush border membrane proteins: glycosidases and peptidases of enterocytes and renal tubuli. Semenza G. **Annu Rev Cell Biol** 1986;2:255–313 (334 ref.)

Fat feeding stimulates only one of the two mRNAs encoding rat intestinal membranous and secreted alkaline phosphatase. Seetharam S, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):363–8

Protein kinase C from small intestine epithelial cells. Velasco G, et al. **Biochem Biophys Res Commun** 1986 Sep 30; 139(3):875–82

Biosynthesis and maturation of lactase-phlorizin hydrolase in the human small intestinal epithelial cells. Naim HY, et al. **Biochem J** 1987 Jan 15;241(2):427–34

Purification and partial characterization of rat intestinal cefuroxime axetil esterase. Campbell CJ, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2317–24

Inhibition of diamine oxidase of rat small intestine by pentamidine and berenil (diminazene aceturate). Karvonen E. **Biochem Pharmacol** 1987 Sep 1;36(17):2863–4

The mode of anchoring and precursor forms of sucrase-isomaltase and maltase-glucoamylase in chicken intestinal brush-border membrane. Phylogenetic implications. Hu CB, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):275–86

Ca2+-dependent ATP hydrolysis of the porcine intestinal brush-border membranes. Ohyashiki T, et al. **Biochim Biophys Acta** 1987 Aug 7;902(1):46–52

The distribution and partial characterization of UDPgalactose: N-acetylgalactosamine mucin galactosyltransferase activity from rat small intestine and its sensitivity to Zn2+. Wilson JR, et al. **Biochim Biophys Acta** 1987 May 19;924(2):332–40

Is the proline-specific aminopeptidase P of the intestinal brush border an integral membrane enzyme? Lasch J, et al. **Biomed Biochim Acta** 1986;45(7):833–43

Large scale purification of intralumenal alkaline phosphatase from calf intestine by immunosorbent affinity chromatography. Schwenzer B, et al. **Biomed Biochim Acta** 1987;46(1):15–21

Phosphofructokinase from the epithelial cells of rat small intestine. Comparison of regulatory properties with those of skeletal muscle, liver and brain phosphofructokinase. Khoja SM. **Comp Biochem Physiol [B]** 1986;85(2):337–41

Characteristics of human intestinal acid sialidase. Den Tandt WR, et al. **Enzyme** 1987;37(3):155–8

Dietary and hormonal regulation of L-type pyruvate kinase gene expression in rat small intestine. Ogier H, et al. **Eur J Biochem** 1987 Jul 15;166(2):365–70

On the primary site of control in the spontaneous development of small-intestinal sucrase-isomaltase after birth. Sebastio G, et al. **FEBS Lett** 1986 Nov 24; 208(2):460–4

Histochemical studies of the intestine in mice with hymenolepiasis. Stanios H, et al. **Folia Biol (Krakow)** 1986; 34(4):415–9

Identification and characterization of brush-border membrane-bound neutral metalloendopeptidases from rat small intestine. Song IS, et al. **Gastroenterology** 1986 Nov; 91(5):1234–42

Improved purification of rat intestinal lactase. Nsi-Emvo E, et al. **Gen Physiol Biophys** 1986 Feb;5(1):53–9

Regulatory and structural genes for lysozymes of mice. Hammer MF, et al. **Genetics** 1987 Mar;115(3):521–33

The effect of protein deficiency on the activity of gamma-glutamyl transpeptidase in the small intestine of rats. Kansal VK, et al. **Indian J Physiol Pharmacol** 1986 Jul-Sep;30(3):261–3

Effect of dietary n-3 fatty acids on HMG-CoA reductase and ACAT activities in liver and intestine of the rabbit. Field FJ, et al. **J Lipid Res** 1987 Jan;28(1):50–8

Recruitment of lysozyme as a major enzyme in the mouse gut: duplication, divergence, and regulatory evolution. Hammer MF, et al. **J Mol Evol** 1987;24(3):272–9

Alteration of pancreatic enzyme activities in small intestine of rats fed a high fructose, low copper diet. Lewis CG, et al. **J Nutr** 1987 Aug;117(8):1447–52

Maturation of antioxidant enzymes in rat small intestine: lack of glucocorticoid stimulation. Engelhard EL, et al. **J Pediatr** 1987 Sep;111(3):459–63

Effects of neonatal undernutrition and subsequent nutritional rehabilitation or administration of thyroxine and hydrocortisone on the inositol phosphatase activities in rat intestine. Rao RK, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep-Oct;5(5):787–92

Chronic effects of an alpha-glucosidase inhibitor (Bay o 1248) on intestinal disaccharidase activity in normal and diabetic mice. Lee SM, et al. **J Pharmacol Exp Ther** 1987 Jan; 240(1):132–7

Thyroid hormone effects on lactase expression by rat enterocytes. Hewitt JE, et al. **J Physiol (Lond)** 1986 Jul; 376:253–65

Effects of polychlorinated biphenyls on porphyrin synthesis and cytochrome P-450-dependent monooxygenases in small intestine and liver of Japanese quail. Miranda CL, et al. **J Toxicol Environ Health** 1987;20(1–2):27–35

Aromatic-amino-acid aminotransferase from small intestine. Noguchi T. **Methods Enzymol** 1987;142:267–73

Indoleamine 2,3-dioxygenase. Yoshida R, et al. **Methods Enzymol** 1987;142:188–95

Intestinal disaccharidase activity following pancreatic duct occlusion in the rat. Hauer-Jensen M, et al. **Pancreas** 1987; 2(3):295–302

Effect of anti-thymocyte serum on the eosinophil and lysophospholipase responses in mice infected with Trichinella spiralis. Adewusi K, et al. **Parasitology** 1987 Feb;94 (Pt 1):115–22

Effects of the components of breast milk on mucosal enzyme activity of the newborn small intestine. Jonas A, et al. **Pediatr Res** 1987 Feb;21(2):126–30

Aldehyde dehydrogenase activity of rat stomach and intestinal mucosa. Aarnio M, et al. **Prog Clin Biol Res** 1987; 232:103–9

Brush border intestinal enzymes after multiple daily fractionation. Becciolini A, et al. **Radiat Res** 1987 Mar; 109(3):374–81

Influence of remote cancer and obesity on, and distribution of mucosal enzymes in, the upper small intestine. Børkje B, et al. **Scand J Gastroenterol** 1986 Oct;21(8):928–34

Sucrase deficiency in Greenland. Incidence and genetic aspects. Gudmand-Høyer E, et al. **Scand J Gastroenterol** 1987 Jan;22(1):24–8

Influence of dietary fibre on hepatic and intestinal metabolism in rat. Lindeskog P, et al. **Scand J Gastroenterol [Suppl]** 1987;129:258–62

[Effect of nutrition on small intestine gamma-glutamyltransferase in rats] Adzharov D, et al. **Eksp Med Morfol** 1986;25(4):78–82 (Eng. Abstr.) **(Bul)**

[Effects of fasting on intestinal hydrolase activity (letter)] Raul F, et al. **Gastroenterol Clin Biol** 1986 Nov; 10(11):768–9 **(Fre)**

[Alanine aminopeptidase from small intestinal mucosa of dogs, rabbits and trout. II. Behaviour of "detergent forms"] Hütter HJ, et al. **Biomed Biochim Acta** 1986;45(7):855–63 (Eng. Abstr.) **(Ger)**

[Alanine aminopeptidases from small intestinal mucosa of dogs, rabbits and trout. I. Characterization of the "protease forms"] Hütter HJ, et al. **Biomed Biochim Acta** 1986; 45(7):845–53 (Eng. Abstr.) **(Ger)**

[The purification, quantification, and physiological alterations of maltase and sucrase-isomaltase of rat intestinal brush border] Kishi M. **Nippon Ika Daigaku Zasshi** 1986 Oct; 53(5):443–53 (Eng. Abstr.) **(Jpn)**

[Effect of cholera toxin on secretion and biosynthesis of intestinal alkaline phosphatase in rat] Hamada Y. **Nippon Shokakibyo Gakkai Zasshi** 1987 Feb;84(2):221–8 (Eng. Abstr.) **(Jpn)**

[Intestinal activity of disaccharidases in schistosomiasis mansoni. Study of the course in mice with various degrees of infestation] Sadek MG, et al. **Rev Inst Med Trop Sao Paulo** 1986 Mar-Apr;28(2):67–73 (Eng. Abstr.) **(Por)**

[Radial distribution of digestive enzymes in the small intestine] Egorova VV, et al. **Dokl Akad Nauk SSSR** 1987; 293(5):1235–8 **(Rus)**

[Polymorphism of enteric enzymes during growth, maturation and aging] Sabirova ElIu, et al. **Dokl Akad Nauk SSSR** 1987;293(3):760–2 **(Rus)**

[Cyto- and biochemical characteristics of the course of experimental peritonitis] Menelau AKh, et al. **Klin Khir** 1987;(1):32–3 (Eng. Abstr.) **(Rus)**

[Effect of fluorine on enzyme activity in the small intestine mucosa during absorption of sodium, potassium, monosaccharides and amino acids] Grigorenko VK, et al. **Ukr Biokhim Zh** 1987 May–Jun;59(3):23–8 (Eng. Abstr.) **(Rus)**

[(ADP-ribose)n-transferase activity of enterocyte nuclei during radiation injury of small intestine mucosa in rats] Trofimiak TB, et al. **Ukr Biokhim Zh** 1986 Sep–Oct; 58(5):43–9 (Eng. Abstr.) **(Rus)**

[Saccharase activity in the small intestine in allergic reactions of delayed and immediate types (experimental study)] Vasil'ev IuV. **Vestn Dermatol Venerol** 1987;(3):13–6 (Eng. Abstr.) **(Rus)**

[Distribution of dipeptidases in the rat small intestine] Demina TIu. **Vopr Med Khim** 1987 Mar–Apr;33(2):104–6 (Eng. Abstr.) **(Rus)**

[Radial distribution of digestive enzymes in the small intestine of rats and chicks] Tsvetkova VA, et al. **Zh Evol Biokhim Fiziol** 1986 Nov–Dec;22(6):596–7 **(Rus)**

GROWTH & DEVELOPMENT

Maternal dietary restriction during pregnancy and lactation: effect on digestive organ development in suckling rats. Young CM, et al. **Am J Clin Nutr** 1987 Jul;46(1):36–40

Maturational changes in terminal glycosylation of small intestinal microvillar proteins in the rat. Srivastava OP, et al. **Biochim Biophys Acta** 1987 Aug 5;914(2):143–51

Effects of parenteral and enteral nutrition on postnatal development of the small intestine and pancreas in the rabbit. Gall DG, et al. **Biol Neonate** 1987;51(5):286–96

Is adult-type hypolactasia in the intestine of mammals related to changes in the intracellular processing of lactase? Nsi-Emvo E, et al. **Cell Mol Biol** 1987;33(3):335–44

Postnatal changes in the distribution and elemental composition of Paneth cells in normal and corticosteroid-treated rats. Dinsdale D, et al. **Cell Tissue Res** 1986;246(1):183–7

Maltase-glucoamylase and trehalase in the rabbit small intestine and kidney brush border membranes during postnatal development, the effects of hydrocortisone. Galand G. **Comp Biochem Physiol [A]** 1986;85(1):109–15

Age influences on intestinal sugar absorption. Vinardell MP. **Comp Biochem Physiol [A]** 1987;86(4):617–23

Intestinal adaptation. Different growth responses to disaccharides compared with monosaccharides in rat small bowel. Weser E, et al. **Gastroenterology** 1986 Dec; 91(6):1521–7

Temperature induced changes in brush border lactase and alkaline phosphatase activities of developing rat intestine. Mahmood S, et al. **Indian J Exp Biol** 1986 Dec;24(12):760–2

The activity of gamma-glutamyl transpeptidase in the small intestine of some species of animals at different stages of growth. Kansal VK, et al. **Indian J Physiol Pharmacol** 1986 Jul–Sep;30(3):255–8

Intestinal glucose transport in suckling rats fed artificial milk with and without added epidermal growth factor. Greene HL, et al. **Pediatr Res** 1987 Apr;21(4):404–8

Glutamine oxidation by developing rat small intestine. Kimura RE. **Pediatr Res** 1987 Feb;21(2):214–7

Perinatal development of the small intestine of the sheep. Trahair JF, et al. **Reprod Nutr Dev** 1986;26(6):1255–63

IMMUNOLOGY

The role of gut-associated lymphoid tissues in the generation of immunoglobulin-bearing lymphocytes in sheep. Gerber HA, et al. **Aust J Exp Biol Med Sci** 1986 Jun;64 (Pt 3):201–13

Lymphokine production by mitogen and antigen activated mouse intraepithelial lymphocytes. Dillon SB, et al. **Cell Immunol** 1986 Dec;103(2):326–38

Immunoelectron microscopic localization of HLA-DR antigen in control small intestine and colon and in inflammatory bowel disease. Hirata I, et al. **Dig Dis Sci** 1986 Dec;31(12):1317–30

Intestinal plasma cell alterations in acquired immunodeficiency syndrome. Kotler DP, et al. **Dig Dis Sci** 1987 Feb;32(2):129–38

Eimeria tenella: effects of immunity on sporozoites within the lumen of the small intestine. Rose ME, et al. **Exp Parasitol** 1987 Jun;63(3):337–44

Lymphoid cell subsets in normal human small intestine [published erratum appears in Gastroenterol Jpn 1986 Dec;21(6):654] Chiba M, et al. **Gastroenterol Jpn** 1986 Aug; 21(4):336–43

Functional characterization of Con A-responsive Lyt2-positive mouse small intestinal intraepithelial lymphocytes. Dillon SB, et al. **Immunology** 1986 Nov; 59(3):389–96

Accelerated elimination of N. brasiliensis from the small intestine after auto-anti-IgE induction. Marshall JS, et al. **Immunology** 1987 Feb;60(2):303–8

Structures of blood group glycosphingolipids of human small intestine. A relation between the expression of fucolipids of epithelial cells and the ABO, Le and Se phenotype of the donor. Björk S, et al. **J Biol Chem** 1987 May 15; 262(14):6758–65

Binding of subclasses of rat immunoglobulin G to detergent-isolated Fc receptor from neonatal rat intestine. Hobbs SM, et al. **J Biol Chem** 1987 Jun 15;262(17):8041–6

Carbohydrate differentiation antigens of murine T cells: expression on intestinal lymphocytes and intestinal epithelium. Lefrancois L. **J Immunol** 1987 May 15; 138(10):3375–84

Trichinella spiralis: intestinal expression of systemic stage-specific immunity to newborn larvae. Wang CH, et al. **Parasite Immunol** 1987 Jul;9(4):465–75

[Enteropathy caused by sensitivity to gluten and dermatitis herpetiformis: 2 processes dependent upon intestinal immunology] Arias Vallejo E. **Rev Esp Enferm Apar Dig** 1987 Apr;71(4):327 **(Spa)**

INJURIES

A second-look procedure in major blunt abdominal injuries. Brotman S. **J Trauma** 1987 Apr;27(4):457

Vacuum toilet evisceration [letter] Wynne JB. **JAMA** 1987 Mar 6;257(9):1177

[Peritonitis due to perforation of the intrahernial small intestine after a fall during cross-country skiing] Turbelin JM. **J Chir (Paris)** 1986 Aug–Sep;123(8–9):508–9 **(Fre)**

[Isolated injuries of the small intestine following blunt abdominal injuries] Belgerden S, et al. **Zentralbl Chir** 1987; 112(11):703–6 (Eng. Abstr.) **(Ger)**

INNERVATION

Three-dimensional organization and topographical features of the myenteric plexus (Auerbach) in the porcine small intestine: scanning electron microscopy after enzymatic digestion and HCl-hydrolysis. Scheuermann DW, et al. **Acta Anat (Basel)** 1986;127(4):290–5

Somatostatin immunoreactive nerve elements in the rat small intestine: light and electron microscopic studies. Fehér E, et al. **Acta Morphol Hung** 1986;34(1–2):59–71

Neuropeptides and the microcircuitry of the enteric nervous system. Llewellyn-Smith IJ. **Experientia** 1987 Jul 15; 43(7):813–21

Intraluminal bile salt increases rate of firing in afferent fibers from the small intestine of the rat. Tantisira MH, et al. **Experientia** 1987 Feb 15;43(2):168–9

An intrinsic neural pathway for long intestino-intestinal inhibitory reflexes. Frantzides CT, et al. **Gastroenterology** 1987 Mar;92(3):594–603

Neuropeptide Y (NPY)-like immunoreactivity in peripheral and central nerve fibres of the golden hamster (Mesocricetus auratus) with special respect to pineal gland innervation. Schröder H. **Histochemistry** 1986;85(4):321–5

Sources of excitatory synaptic inputs to neurochemically identified submucous neurons of guinea-pig small intestine. Bornstein JC, et al. **J Auton Nerv Syst** 1987 Jan;18(1):83–91

Development of the extrinsic sympathetic innervation to the enteric neurones of the rat small intestine. Hill CE, et al. **J Auton Nerv Syst** 1987 May;1?{2):85–93

Vagal receptors sensitive to lipids in the small intestine of the cat. Mélone J. **J Auton Nerv Syst** 1986 Nov; 17(3):231–41

Conversion of neuropeptide K to neurokinin A and vesicular colocalization of neurokinin A and substance P in neurons of the guinea pig small intestine. Deacon CF, et al. **J Neurochem** 1987 Jan;48(1):141–6

Somatostatin neurons in the small intestine of the guinea pig: a light and electron microscopic immunocytochemical study combined with nerve lesion experiments by laser irradiation. Endo Y, et al. **J Neurocytol** 1986 Dec; 15(6):725–31

Evidence for diminished inhibitory neuromuscular transmission in distal small intestine. Nowak TV, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):381–7

Evidence for galanin as an inhibitory neuropeptide on myenteric cholinergic neurons in the guinea pig small intestine. Yau WM, et al. **Neurosci Lett** 1986 Dec 23; 72(3):305–8

Extrinsic nervous control of motility of small and large intestines and related sphincters. Gonella J, et al. **Physiol Rev** 1987 Jul;67(3):902–61 (345 ref.)

Evidence for substance P as a functional neurotransmitter in guinea pig small intestinal mucosa. Perdue MH, et al. **Regul Pept** 1987 Aug 3;18(2):63–74

[Neural regulation of the secretion of the small and large intestines] Wienbeck M, et al. **Z Gastroenterol** 1987 Apr; 25 Suppl 1:55–60 (18 ref.) (Eng. Abstr.) **(Ger)**

[Neuronal mechanisms of the hypothalamus in disorders of water-salt balance] Batuev AS, et al. **Fiziol Zh SSSR** 1987 Mar;73(3):317–22 **(Rus)**

[Heterogeneity of the morpho-functional organization of bushy interoceptors as one of the factors of their resistance] Malorov VN, et al. **Fiziol Zh SSSR** 1987 Mar;73(3):323–31 (Eng. Abstr.) **(Rus)**

[Relation between adrenoreceptor desensitization and their specific sensitivity] Manukhin BN, et al. **Fiziol Zh SSSR** 1986 Oct;72(10):1389–93 (Eng. Abstr.) **(Rus)**

METABOLISM

The immunocytochemical demonstration of metallothionein in human liver and small intestine. Elmes ME, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:510–3

Analysis of calcium transport in rat intestine. Bronner F, et al. **Adv Exp Med Biol** 1986;208:227–34 (23 ref.)

Intestinal absorption of phosphate in man: effect of drugs. Gennari C, et al. **Adv Exp Med Biol** 1986;208:213–22 (24 ref.)

Impaired intestinal calcium transport in the spontaneously hypertensive rat. Lucas PA, et al. **Adv Exp Med Biol** 1986; 208:239–43

Signs of hypoxia in the small intestine of the rat during hemorrhagic shock. Rink R, et al. **Adv Exp Med Biol** 1973; 37A:469–75

Causal relationship between a tumour growth and the changes in histamine metabolism in tissues of sarcoma-bearing rat. Kierska D, et al. **Agents Actions** 1987 Apr;20(3–4):314–6

Factors affecting the integrity of the intestinal mucosa of Gambian children. Behrens RH, et al. **Am J Clin Nutr** 1987 Jun;45(6):1433–41

Digestion of polysaccharides of potato in the small intestine of man. Englyst HN, et al. **Am J Clin Nutr** 1987 Feb; 45(2):423–31

Digestibility of carbohydrate foods in an ileostomate: relationship to dietary fiber, in vitro digestibility, and glycemic response. Jenkins DJ, et al. **Am J Gastroenterol** 1987 Aug;82(8):709–17

Apolipoprotein A-IV synthesis in rat intestine: regulation by dietary triglyceride. Apfelbaum TF, et al. **Am J Physiol** 1987 May;252(5 Pt 1):G662–6

Neurotensin stimulates [3H]oleic acid translocation across rat small intestine. Armstrong MJ, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):G823–9

Differences in uptake and esterification of saturated analogues of cholesterol by rat small intestine. Bhattacharyya AK. **Am J Physiol** 1986 Oct;251(4 Pt 1):G495–500

Kinetic evidence for separate systems in transport of D- and L-methionine by rat small intestine. Brachet P, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):G320–4

Alteration of intracellular synthesis of surface membrane glycoproteins in small intestine of iron-deficient rats. Buts JP, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):G737–43

Expression of amino acid and peptide transport systems in rat small intestine. Cheeseman CI. **Am J Physiol** 1986 Nov; 251(5 Pt 1):G636–41

Mechanism of pH effect on oleic acid and cholesterol absorption in the rat. Chijiiwa K, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):G506–10

Localization of cholesterol synthesis along villus-crypt axis in diabetic rats. Feingold KR, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):G336–44

Transepithelial transport of glutathione in vascularly perfused small intestine of rat. Hagen TM, et al. **Am J Physiol** 1987 May;252(5 Pt 1):G607–13

Inhibition of Na+-Pi cotransporter in small gut brush border by phosphonocarboxylic acids. Loghman-Adham M, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):G244–9

Calcium-mediated cyclic AMP inhibition of Na-H exchange in small intestine. Semrad CE, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):C315–22

High affinity L-aspartate transport in chick small intestine. Wingrove TG, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):C105–14

The role of the small intestine in ammonia production after gastric blood administration. Sugarbaker SP, et al. **Ann Surg** 1987 Jul;206(1):5–17

1,25-Dihydroxyvitamin D3-stimulated mRNAs in rat small intestine. Kessler MA, et al. **Arch Biochem Biophys** 1986 Dec;251(2):403–12

Immunohistochemical localization of gut peptides in the small intestine of snakes. Masini MA. **Basic Appl Histochem** 1986; 30(3):317–24

Fatty-acid chain elongation in rat small intestine. Christiansen EN, et al. **Biochem J** 1986 Jul 1;237(1):293–5

Characterization of the receptor for cholera toxin and Escherichia coli heat-labile toxin in rabbit intestinal brush borders. Griffiths SL, et al. **Biochem J** 1986 Sep 1; 238(2):313–22

Efficient entrapment of large and small compounds during vesiculation of intestinal microvilli. van Dommelen FS, et al. **Biochem J** 1986 Jun 15;236(3):771–8

The regulation of glutamine and ketone-body metabolism in the small intestine of the long-term (40-day) streptozotocin-diabetic rat. Watford M, et al. **Biochem J** 1987 Feb 15;242(1):61–8

Compartmentalization of cholesterol in hepatic and intestinal cells: implications for bile and lipoprotein secretion. Stange EF. **Biochem Soc Trans** 1987 Apr;15(2):189–92 (46 ref.)

Electrophysiology of L-lysine entry across the brush-border membrane of Necturus intestine. Acevedo M, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):295–304

A novel imino-acid carrier in the enterocyte basolateral membrane. Davies S, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):247–55

Na+, K+ and Cl- transport in isolated small intestinal cells from guinea pig. Evidences for the existence of a second Na+ pump. Del Castillo JR, et al. **Biochim Biophys Acta** 1987 Jul 23;901(2):209–16

Identification and partial characterization of phospholipid methylation in rat small-intestinal brush-border membranes. Dudeja PK, et al. **Biochim Biophys Acta** 1987 Jun 23;919(3):307–10

Inositol trisphosphate and calcium mobilisation in permeabilised enterocytes. Ilundain A, et al.

Biochim Biophys Acta 1987 Jan 9;896(1):113–6

Relation between Ca2+ uptake and fluidity of brush-border membranes isolated from rabbit small intestine and incubated with fatty acids and methyl oleate. Merrill AR, et al. **Biochim Biophys Acta** 1987 Jan 9;896(1):89–95

Decreased transport of D-glucose and L-alanine across brush-border membrane vesicles from small intestine of rats treated with mitomycin C. Mizuno M, et al. **Biochim Biophys Acta** 1987 Aug 7;902(1):93–100

Comparison of brush border membrane glycoproteins and glycoenzymes in the proximal and distal rat small intestine. Morita A, et al. **Biochim Biophys Acta** 1986 Oct 1; 883(3):506–16

Impaired formylation and uptake of tetrahydrofolate by rat small gut following cobalamin inactivation. Perry J, et al. **Biochim Biophys Acta** 1987 Feb 20;923(2):286–90

Catabolism of neurotensin in the epithelial layer of porcine small intestine. Shaw C, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):167–74

Permeability properties of isolated enterocytes from rat small intestine. Velasco G, et al. **Biochim Biophys Acta** 1986 Dec 19;889(3):361–5

Critical carboxyl group(s) in Na+-dependent cotransporters of the intestinal brush-border membrane. Weber J, et al. **Biochim Biophys Acta** 1987 Jun 30;900(2):249–57

Sodium-dependent D-glucose transport in brush-border membrane vesicles from isolated rat small intestinal villus and crypt epithelial cells. Freeman HJ, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1213–9

Proposed mechanism of therapeutic selectivity for 9-beta-D-arabinofuranosyl-2-fluoroadenine against murine leukemia based upon lower capacities for transport and phosphorylation in proliferative intestinal epithelium compared to tumor cells. Barrueco JR, et al. **Cancer Res** 1987 Feb 1;47(3):700–6

Calcium uptake into rat small intestinal brush border membrane vesicles: characterization of transmembrane calcium transport at short initial incubation times. Ghijsen WE, et al. **Cell Calcium** 1987 Apr;8(2):157–69

Cell position dependence of labelling thymidine nucleotides using the de novo and salvage pathways in the crypt of small intestine. Chwalinski S, et al. **Cell Tissue Kinet** 1986 Nov;19(6):647–59

Potential absorption of heparin from the small intestine and the large intestine in the presence of monoolein mixed micelles. Muranishi S, et al. **Chem Pharm Bull (Tokyo)** 1977 May;25(5):1159–61

Further studies on the mechanism of the absorption of ion pair complex from the rat small intestine. Nakamura J, et al. **Chem Pharm Bull (Tokyo)** 1977 May;25(5):851–8

Accumulation of amino acids and glucose in isolated epitheliocytes from the small intestine of chickens depending on both breed and sex. Ivanov N, et al. **Comp Biochem Physiol [A]** 1987;86(1):173–5

Ammonia absorption from different parts of chicken intestine and its quantitative evaluation in situ. Karasawa Y, et al. **Comp Biochem Physiol [A]** 1986;84(4):747–50

Role of exchange transport in the absorption of L-tryptophan in the small intestine of chicks. Kushak R, et al. **Comp Biochem Physiol [A]** 1987;87(4):951–7

Effect of somatostatin on D-galactose transport across the small intestine of rats. Sorribas V, et al. **Comp Biochem Physiol [A]** 1987;86(1):63–6

A revision of current data and views on membrane hydrolysis and transport in the mammalian small intestine based on a comparison of techniques of chronic and acute experiments: experimental re-investigation and critical review. Ugolev AM, et al. **Comp Biochem Physiol [A]** 1986; 85(4):593–612 (124 ref.)

A correlative lipid and lipolytic study of the pancreas and small intestine of the guinea-pig. Helmy FM, et al. **Comp Biochem Physiol [B]** 1987;86(1):83–7

Relative zinc-binding activities of ligands in the cytosol of rat small intestine. Song MK, et al. **Comp Biochem Physiol [C]** 1986;85(2):283–9

The maximal activity of phosphate-dependent glutaminase and glutamine metabolism in the colon and the small intestine of streptozotocin-diabetic rats. Ardawi MS. **Diabetologia** 1987 Feb;30(2):109–14

Intraluminal release of serotonin, substance P, and gastrin in the canine small intestine. Ferrara A, et al. **Dig Dis Sci** 1987 Mar;32(3):289–94

Effect of amoxicillin on galactose transport across rat small intestine. Alcalde AI, et al. **Drug Nutr Interact** 1987; 5(2):71–9

The amino acid sequence of protein II and its phosphorylation site for protein kinase C; the domain structure Ca2+-modulated lipid binding proteins. Weber K, et al. **EMBO J** 1987 Jun;6(6):1599–604

Regulation by dietary calcium of vitamin D-dependent calcium-binding protein and active calcium transport in the small intestine of lactating rats. Bruns ME, et al. **Endocrinology** 1987 Jul;121(1):278–83

The adenosine triphosphate-dependent calcium pump in rat small intestine: effects of vitamin D deficiency and cell isolation methods. van Corven EJ, et al. **Endocrinology** 1987 Mar;120(3):868–73

Proximo-distal gradient of Na+-dependent D-glucose transport activity in the brush border membrane vesicles from the human fetal small intestine. Malo C, et al. **FEBS Lett** 1987 Aug 10;220(1):201–5

Small intestinal and colonic linked sodium chloride absorption. New understanding of distribution and regulation. Donowitz M. **Gastroenterology** 1987 Sep; 93(3):640–3

Sodium-dependent D-glucose transport in brush-border membrane vesicles after massive distal small bowel resection in the rat. Kwan WC, et al. **Gastroenterology** 1987 Jun;92(6):1987–93

Enterocyte function in progressive systemic sclerosis as estimated by the deconjugation of pteroyltriglutamate to folic acid. Hendel L, et al. **Gut** 1987 Apr;28(4):435–8

Secretory component-dependent binding of immunoglobulin A in the rat, monkey and human: a comparison of intestine and liver. Daniels CK, et al. **Hepatology** 1987 May-Jun; 7(3):517–21

Immunogold localization of ingested kidney bean (Phaseolus vulgaris) lectins in epithelial cells of the rat small intestine. King TP, et al. **Histochem J** 1986 Aug;18(8):413–20

Effect of streptozotocin administration upon the serotonin content of the pancreas and small intestine of the rat. Richter G, et al. **Horm Metab Res** 1986 Oct;18(10):663–5

Effect of pH on sodium-stimulated D-glucose uptake in rat small intestine. Mahmood A, et al. **Indian J Biochem Biophys** 1986 Aug;23(4):212–4

Effect of anthelmintics on histamine levels in lungs & intestine of rats infected with Nippostrongylus brasiliensis. Misra A, et al. **Indian J Med Res** 1987 Feb;85:154–7

Identification of methionine and lysine transport systems in cattle small intestine. Guerino F, et al. **J Anim Sci** 1987 Aug;65(2):630–40

Methionine and lysine uptake by cattle small intestine in vitro. Guerino F, et al. **J Anim Sci** 1987 Aug;65(2):619–29

Limits to starch digestion in the ruminant small intestine. Owens FN, et al. **J Anim Sci** 1986 Nov;63(5):1634–48 (94 ref.)

Evidence for a carrier-mediated transport system in the small intestine available for FK089, a new cephalosporin antibiotic without an amino group. Tsuji A, et al. **J Antibiot (Tokyo)** 1986 Nov;39(11):1592–7

Expression of rat intestinal fatty acid-binding protein in Escherichia coli. Purification and comparison of ligand binding characteristics with that of Escherichia coli-derived rat liver fatty acid-binding protein. Lowe JB, et al. **J Biol Chem** 1987 Apr 25;262(12):5931–7

Distribution and content of microtubules in relation to the transport of lipid. An ultrastructural quantitative study of the absorptive cell of the small intestine. Reaven EP, et al. **J Cell Biol** 1977 Nov;75(2 Pt 1):559–72

Transport of L-amino acids by brush border membrane vesicles from bovine small intestine. Moe AJ, et al. **J Dairy Sci** 1987 Feb;70(2):290–7

The Na+-independent D-glucose transporter in the enterocyte basolateral membrane: orientation and cytochalasin B binding characteristics. Maenz DD, et al. **J Membr Biol** 1987;97(3):259–66

Osmotic water permeabilities of brush border and basolateral membrane vesicles from rat renal cortex and small intestine. van Heeswijk MP, et al. **J Membr Biol** 1986;92(2):183–93

Gastrointestinal processing of gastrically administered prostaglandin F2 alpha in suckling and weanling rats. Bedrick AD, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan-Feb;6(1):121–7

Ontogeny of EGF receptors during postnatal development of mouse small intestine. Gallo-Payet N, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan-Feb;6(1):114–20

Calcium absorption during development: experimental studies of the rat small intestine. Toverud SU, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep-Oct;5(5):688–95 (28 ref.)

Effects of the pyrones, maltol and ethyl maltol, on iron absorption from the rat small intestine. Barrand MA, et al. **J Pharm Pharmacol** 1987 Mar;39(3):203–11

Uptake of 450191-S, a 1H-1,2,4-triazolyl benzophenone derivative, in the everted sac of rat small intestine: role of intestinal aminopeptidases. Koike M, et al. **J Pharmacobiodyn** 1986 Jun;9(6):513–6

Intestinal absorption of alpha-methyldopa: in vitro mechanistic studies in rat small intestinal segments. Osiecka I, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):443–9

The transport of pyrimidines into tissue rings cut from rat small intestine. Bronk JR, et al. **J Physiol (Lond)** 1987 Jan; 382:475–88

D-galactose transport in rat intestinal brush border membrane vesicles studied with a molecular-sieve technique. Bronk JR, et al. **J Physiol (Lond)** 1986 Jun; 375:71–9

Binding of triiodothyronine by fully differentiated rat enterocytes. Hewitt JE, et al. **J Physiol (Lond)** 1986 Jul; 376:267–79

The effects of amiflamine, a reversible MAO-A inhibitor, on the first pass metabolism of tyramine in dog intestine. Yasuhara H, et al. **Jpn J Pharmacol** 1986 Aug;41(4):505–10

Effect of prostaglandin E2 on the small intestine of indomethacin-treated rats. Romain N, et al. **Life Sci** 1987 Sep 7;41(10):1199–205

Regulation of cholesterol synthesis in isolated epithelial cells of human small intestine. Sviridov DD, et al. **Lipids** 1986 Dec;21(12):759–63

The contribution of small gut to the 3-methylhistidine metabolism in the adult rat. Brenner U, et al. **Metabolism** 1987 May;36(5):416–8

Purification and characterization of the 110-kDa actin- and calmodulin-binding protein from intestinal brush border: a myosin-like ATPase. Swanljung-Collins H, et al. **Methods Enzymol** 1987;139:137–48

Determination of the three-dimensional structure of vitamin D-dependent calcium-binding protein from bovine intestine. Szebenyi DM, et al. **Methods Enzymol** 1987; 139:585–610

Metabolic acidosis enhances 1,25(OH)2D3-induced intestinal absorption of calcium and phosphorus in rats. Gafter U, et al. **Miner Electrolyte Metab** 1986;12(4):213–7

Identification and molecular characterization of the isoquinoline rat intestinal binding site using 6,7-dimethoxy-4-(4'-amino-3'-[125I]iodobenzyl) isoquinoline. Servin AL, et al. **Mol Pharmacol** 1986 Oct; 30(4):379–87

Exercise and small intestinal transit. Ollerenshaw KJ, et al. **Nucl Med Commun** 1987 Feb;8(2):105–10

Function of an intestinal retinol-binding protein in the esterification of retinol. **Nutr Rev** 1987 Jul;45(7):221–3 (8 ref.)

Dolichol content and isoprenolog distribution in developing rat small intestine. Armstrong MJ, et al. **Pediatr Res** 1987 Mar;21(3):261–5

Rise of prostanoids in rat small intestinal mucosa following intestinal protein hypersensitivity. Branski D, et al. **Pediatr Res** 1987 Apr;21(4):414–6

Gluconeogenesis from lactate in the small intestinal mucosa of suckling rats. Hahn P, et al. **Pediatr Res** 1986 Dec; 20(12):1321–3

Paediatric gastroenterology: lessons of inborn errors. Milla PJ. **Postgrad Med J** 1986 Feb;62(724):101–5 (21 ref.)

Hydrolysis of 2-hydroxy-4-(methylthio)butanoic acid dimer in two model systems. Lawson CQ, et al. **Poult Sci** 1986 Sep;65(9):1749–53

Adaptive regulation of intestinal nutrient transporters. Diamond JM, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2242–5

Microsomal arachidonate bioconversion in rat small intestine during maturation. Wu-Wang CY, et al. **Prostaglandins Leukotrienes Med** 1987 Apr;27(1):71–80

Galactose transport across rat small intestine in vivo following distal resections of varying extents. Bolufer J, et al. **Q J Exp Physiol** 1986 Jul;71(3):423–31

Alteration of lactase and aminopeptidase N expression in porcine enterocytes by energy intake and environment. Dauncey MJ, et al. **Q J Exp Physiol** 1986 Jul;71(3):443–9

Motilin receptors in rabbit stomach and small intestine. Bormans V, et al. **Regul Pept** 1986 Sep;15(2):143–53

Sodium, chloride and bicarbonate dependence of iodide secretion in rat mid-small intestine. Aguirrezabal AV, et al. **Rev Esp Fisiol** 1987 Mar;43(1):123–4

Antibiotic levels in the small intestine. Thadepalli H, et al. **Surg Gynecol Obstet** 1986 Dec;163(6):561–7

Small intestinal permeability in normal Sudanese subjects: evidence of tropical enteropathy. Ukabam SO, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):204–7

[Principles of cholesterol and bile acid metabolism in the liver and small intestine (II)] Stange EF. **Leber Magen Darm** 1986 Nov;16(6):358–77 **(Ger)**

[Absorption of D-glucose by the small intestine of the human fetus (using brush border membrane vesicles of the jejunum)] Iioka H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Mar; 39(3):347–51 (Eng. Abstr.) **(Jpn)**

[Pharmaceutical studies on crude drugs. I. Effect of the Zingiberaceae crude drug extracts on sulfaguanidine absorption from rat small intestine] Sakai K, et al. **Yakugaku Zasshi** 1986 Oct;106(10):947–50 (Eng. Abstr.) **(Jpn)**

[Circadian changes in small intestine absorption in patients after various types of gastrectomy. I. Absorption of vitamin B 12] Boldys H. **Pol Arch Med Wewn** 1986 Apr;75(4):233–9 (Eng. Abstr.) **(Pol)**

[Circadian changes in small intestine absorption in patients after various types of gastrectomy. II. Absorption of xylose and iron] Boldys H. **Pol Arch Med Wewn** 1986 Apr; 75(4):240–7 (Eng. Abstr.) **(Pol)**

[Effect of vitamin A deficiency on the macromolecular permeability of small intestine mucosa in the adult rat] Gmoshinskii IV, et al. **Biull Eksp Biol Med** 1987 Feb; 103(2):161–3 (Eng. Abstr.) **(Rus)**

[Compensatory and adaptive changes in the small intestine and liver of rabbits after short-term cholesterol diet] Leskova GF, et al. **Biull Eksp Biol Med** 1986 Sep; 102(9):368–71 (Eng. Abstr.) **(Rus)**

[Effect of starvation at an early age on the intensity of oxidation of energy substrates in the small intestine] Snitinskii VV. **Fiziol Zh** 1987 Jan-Feb;33(1):72–6 (Eng. Abstr.) **(Rus)**

[Decrease in cAMP levels and increase in cGMP levels in the small intestine mucosa after treatment with fluoride] Grigorenko VK, et al. **Ukr Biokhim Zh** 1987 Jul-Aug; 59(4):97–9 (Eng. Abstr.) **(Rus)**

[Absorption of nutrients as a key step of assimilation] Morozov IA. **Vestn Akad Med Nauk SSSR** 1986;(12):3–10 (Eng. Abstr.) **(Rus)**

[Calcium absorption in the small intestine in rats during hypokinesia] Sergeev IN, et al. **Vopr Pitan** 1986 Jul-Aug; (4):50–4 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Gastric acidity: an important factor regulating the composition of the bacterial flora in the small intestine.

Pollák R, et al. **Acta Med Hung** 1986;43(4):365–8
Fimbriae in Escherichia coli isolated from the small intestine of piglets. Djønne BK, et al. **Acta Vet Scand** 1986; 27(2):235–42
Virulence of wild and mutant strains of Salmonella typhimurium in ligated intestinal segments of calves, pigs, and rabbits [published erratum appears in Am J Vet Res 1987 May;48(5):879] Clarke RC, et al. **Am J Vet Res** 1987 Mar;48(3):504–10
Polymorphism and inheritance of swine small intestinal receptors mediating adhesion of three serological variants of Escherichia coli–producing K88 pilus antigen. Rapacz J, et al. **Anim Genet** 1986;17(4):305–21
Lactobacilli as effectors of host functions: no influence on the activities of enzymes in enterocytes of mice. Whitt DD, et al. **Appl Environ Microbiol** 1987 Feb;53(2):325–30
Pilus–mediated interactions of the Escherichia coli strain RDEC–1 with mucosal glycoproteins in the small intestine of rabbits. Sherman PM, et al. **Gastroenterology** 1987 Oct; 93(4):734–43
gamma–Aminobutyric acid production in small and large intestine of normal and germ–free Wistar rats. Influence of food intake and intestinal flora. van Berlo CL, et al. **Gastroenterology** 1987 Sep;93(3):472–9
Small–bowel colonization alone is a cause of diarrhea. Wanke CA, et al. **Infect Immun** 1987 Aug;55(8):1924–6
Surface properties of lactobacilli isolated from the small intestine of pigs. Wadström T, et al. **J Appl Bacteriol** 1987 Jun;62(6):513–20
Small bowel contamination and vitamin B12 deficiency in the elderly. Chesner IM, et al. **J Clin Gastroenterol** 1986 Aug;8(4):447–50
'Normalization' of germfree mice after direct and indirect contact with mice having a 'normal' intestinal microflora. Koopman JP, et al. **Lab Anim** 1986 Oct;20(4):286–90
Porcine torovirus? [letter] Scott AC, et al. **Vet Rec** 1987 Jun 13;120(24):583
Influence of different laboratory animal diets on segmented organisms in the small intestine, relative cecal weight, fecal Enterobacteriaceae and bile acid excretion. Koopman JP, et al. **Z Versuchstierkd** 1987;29(1–2):93–7
Evidence for antibacterial substances in diets for laboratory animals. Koopman JP, et al. **Z Versuchstierkd** 1986; 28(4):179–86
[Microfloral changes in the small and large intestines of chronic enteritis patients on diet therapy including sour milk products] Sukhov SV, et al. **Vopr Pitan** 1986 Jul–Aug; (4):14–7 (Eng. Abstr.) **(Rus)**
[Campylobacter fetus ssp. jejuni, Aeromonas hydrophila, helicoidal bacteria and coronavirus in the murine intestine] Hernández F, et al. **Rev Biol Trop** 1985 Nov;33(2):143–6 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Prevalence and public health implications of Echinococcus granulosus in rural dogs in Eastern Nigeria. Okolo MI. **Int J Zoonoses** 1986 Mar;13(1):19–24
Evaluation of ivermectin paste in the treatment of ponies for Parascaris equorum infections. DiPietro JA, et al. **J Am Vet Med Assoc** 1987 May 1;190(9):1181–3
Experiments on habitat selection of Heterophyes species in different definitive hosts. Taraschewski H. **J Helminthol** 1987 Mar;61(1):33–42
Eimeria spp. of domestic fowl: the migration of sporozoites intra– and extra–enterically. Fernando MA, et al. **J Parasitol** 1987 Jun;73(3):561–7
Site selection by Microphallus pygmaeus Levinsen, 1881 (Trematoda: Microphallidae) in the laboratory mouse. Ahmad RA, et al. **Parasitol Res** 1987;73(3):250–4
In vitro hatching of the infective eggs of Ascaridia galli in tissue extracts. Salih NE, et al. **Vet Parasitol** 1987 May; 24(3–4):263–8
[Rudolphitrema chilensis sp. nov. a new digenic parasite of the Chilean anura eusophus roseus (Leptodactylidae)] Puga S. **Bol Chil Parasitol** 1986 Jan–Jun;41(1–2):13–6 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Gastrointestinal perforation due to congenital absence of intestinal musculature. A case report. Skov BG, et al. **Acta Chir Scand** 1986 Dec;152:779–80
Changes in small intestinal morphology and flora associated with decreased energy digestibility in calves with naturally occurring diarrhea. Youanes YD, et al. **Am J Vet Res** 1987 Apr;48(4):719–25
Postheparin plasma diamine oxidase in subjects with small bowel mucosal atrophy. D'Agostino L, et al. **Dig Dis Sci** 1987 Mar;32(3):313–7
Pathology of neuromuscular disorders of the small intestine and colon. Krishnamurthy S, et al. **Gastroenterology** 1987 Sep;93(3):610–39 (207 ref.)
Collagenous colitis associated with small intestinal villous atrophy. Hamilton I, et al. **Gut** 1986 Nov;27(11):1394–8
Effects of ileal interposition on body weight and intestinal morphology in dogs. Smithy WB, et al. **Int J Obes** 1986; 10(6):453–60
Chronic inflammatory and lymphoproliferative lesions of the equine small intestine. Platt H. **J Comp Pathol** 1986 Nov; 96(6):671–84
The response of the intestinal epithelium in B10.A mice to infection with Trichinella spiralis. Dunn IJ, et al. **J Parasitol** 1987 Aug;73(4):712–22
Histological changes induced by the methyl–carbamate dinitro–octyl–phenol treatment in the small intestine and adrenal glands of white rats. Puică C, et al. **Morphol Embryol (Bucur)** 1986 Jul–Sep;32(3):215–7
Peritoneal encapsulation of small intestine. A case report. Lifschitz O, et al. **S Afr Med J** 1987 Apr 4;71(7):452
The morphologic categorization of cell death induced by mild hyperthermia and comparison with death induced by ionizing radiation and cytotoxic drugs. Allan DJ, et al. **Scan Electron Microsc** 1986;(Pt 3):1121–33
Small–intestinal and colonic changes after biliopancreatic bypass for morbid obesity. Stock–Damgé C, et al. **Scand J Gastroenterol** 1986 Nov;21(9):1115–23
Sclerosing enteropathy in a dog. Swayne DE, et al. **Vet Pathol** 1986 Sep;23(5):641–3
[Morphological changes caused by adrenalectomy in rabbits] Dezbal B, et al. **Eksp Med Morfol** 1986;25(3):20–7 (Eng. Abstr.) **(Bul)**
[Spontaneous perforation of the small intestine] Nedkov N. **Khirurgiia (Sofiia)** 1987;40(2):48–50 **(Bul)**
[Diagnosis of celiac disease] Mulder CJ, et al. **Ned Tijdschr Geneeskd** 1987 May 2;131(18):772 **(Dut)**
[Results of small intestinal biopsy studies in childhood and their correlation to other paraclinical findings with special reference to celiac disease] Henker J. **Dtsch Z Verdau Stoffwechselkr** 1986;46(5):282–6 (Eng. Abstr.) **(Ger)**
[Small intestine adenomas—a precancerous condition? Analysis of a literature review] Sellner F. **Med Klin** 1986 Jul 18;81(15–16):520–3 (Eng. Abstr.) **(Ger)**
[Roentgenological demonstration of pathological changes of the mucosa of the small intestine] Desaga JF. **ROFO** 1987 Jun;146(6):689–94 (Eng. Abstr.) **(Ger)**
[Role of oxygen–derived free radicals in hemorrhagic shock–induced small intestinal lesions in the rat] Yoshimura S. **Nippon Shokakibyo Gakkai Zasshi** 1986 Dec;83(12):2637 **(Jpn)**
[Apoptosis and regeneration of enterocytes in experimental atrophy of the small intestine mucosa] Aruin AI, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):238–41 (Eng. Abstr.) **(Rus)**
[Strangulation and torsion of loops of a small intestine with congenital gaps in its mesentery] Denisenko NV, et al. **Klin Khir** 1987;(2):37 **(Rus)**
[Treatment of patients with hemophilia complicated by intestinal gangrene] Baĭmashev ES, et al. **Klin Med (Mosk)** 1987 Apr;65(4):134–6 **(Rus)**
[Nodular lymphoid hyperplasia of the small intestine with immunodeficiency] Rebrov VG, et al. **Ter Arkh** 1987; 59(2):79–84 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Vagally and vago–vagally induced non–adrenergic, non–cholinergic relaxations of the feline jejunum. Delbro D, et al. **Acta Physiol Scand** 1986 Sep;128(1):125–6
Small intestinal motility in fasted and postprandial states: effect of transient vagosympathetic blockade. Chung SA, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):G301–8
Motor patterns of small intestine determined by closely spaced extraluminal transducers and videofluoroscopy. Ehrlein HJ, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):G259–67
Activation of endogenous excitatory opiate pathways in canine small intestine by field stimulation and motilin. Fox JE, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):G189–94
Effect of central administration of motilin on migrating complexes in the dog. Hashmonai M, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):G195–9
Quantitative assessment of luminal stirring in the perfused small intestine of the rat. Levitt MD, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):G325–32
Role of GIP and insulin in glucose–induced changes in intestinal motility patterns. Thor P, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):G8–12
Gastric emptying and small bowel transit times in volunteers after intravenous morphine and nalbuphine. Yukioka H, et al. **Anaesthesia** 1987 Jul;42(7):704–10
A slow wave frequency complex of the canine small intestine during the fasting state. Pousse A, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1132–5
Simultaneous vascular and luminal perfusion of rat small intestine. Miyazaki K, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep;34(9):3830–5
Other causes of GI mucosal injury: upper intestinal content. Ritchie WP Jr. **Clin Invest Med** 1987 May;10(3):264–9 (38 ref.)
Limitations of indirect methods of estimating small bowel transit in man. Pressman JH, et al. **Dig Dis Sci** 1987 Jul; 32(7):689–99
Augmentation of mucosal adaptation following massive small–bowel resection by 16,16–dimethyl–prostaglandin E2 in the rat. Vanderhoof JA, et al. **Digestion** 1987;36(4):213–9
Electromyographic characteristics of small bowel motility in the rat. Wittmann T, et al. **Eur Surg Res** 1986;18(5):312–7
Giardia lamblia: stimulation of growth by human intestinal mucus and epithelial cells in serumfree medium. Gault MJ, et al. **Exp Parasitol** 1987 Aug;64(1):29–37
A large conductance, voltage– and calcium–activated K+ channel in the basolateral membrane of rat enterocytes. Morris AP, et al. **FEBS Lett** 1986 Sep 29;206(1):87–92
Effect of total sympathectomy and of decentralization on migrating complexes in dogs. Hashmonai M, et al. **Gastroenterology** 1987 Apr;92(4):978–86
Valosin stimulates gastric and exocrine pancreatic secretion and inhibits fasting small intestinal myoelectric activity in the dog. Konturek SJ, et al. **Gastroenterology** 1987 May; 92(5 Pt 1):1181–6
The effect of step–down heating on mouse small intestinal mucosa. Hume SP, et al. **Int J Hyperthermia** 1987 Mar–Apr;3(2):153–65
Electrical PD, short–circuit current and fluxes of Na and Cl across avian intestine. Grubb BR, et al. **J Comp Physiol [B]** 1987;157(2):181–6
Current–voltage relations of sodium–coupled sugar transport across the apical membrane of Necturus small intestine [published erratum appears in J Membr Biol 1987;95(2):187] Lapointe JY, et al. **J Membr Biol** 1986;93(3):205–19
The influence of intestinal infusion of fats on small intestinal motility and digesta transit in pigs. Gregory PC, et al. **J Physiol (Lond)** 1986 Oct;379:27–37
Intrinsic reflexes underlying peristalsis in the small intestine of the domestic fowl. Hodgkiss JP. **J Physiol (Lond)** 1986 Nov;380:311–28
Small intestinal motility and transit by electromyography and radiology in the fasted and fed pig. Rayner V, et al. **J Physiol (Lond)** 1986 Oct;379:245–56
Vagal release of serotonin into gut lumen and portal circulation via separate control mechanisms. Grönstad KO, et al. **J Surg Res** 1987 Sep;43(3):205–10
Effects on the interdigestive myoelectric complex (IDMEC) of small intestine by zusanli moxibustion. Ma JQ, et al. **J Tradit Chin Med** 1986 Sep;6(3):213–5
Dog secretin: sequence and biologic activity. Shinomura Y, et al. **Life Sci** 1987 Sep 7;41(10):1243–8
[The pattern and characteristics of the electrical activity of the gastrointestinal tract] Zhang JJ, et al. **Chen Tzu Yen Chiu** 1986;11(1):20–6 (Eng. Abstr.) **(Chi)**
[Adaptation of the small intestine to extensive resection and its regulatory mechanisms: hormonal hypothesis] Reding R, et al. **Acta Gastroenterol Belg** 1986 May–Jun; 49(3):329–40 (Eng. Abstr.) **(Fre)**
[Effects of digestive hormones on the normal and pathological motility of the small intestine] Bueno L, et al. **Gastroenterol Clin Biol** 1986 Nov;10(11):736–40 (54 ref.) **(Fre)**
[Does extensive small intestine resection prevent experimentally induced duodenal ulcers? A study on rats] Nowak W, et al. **Z Exp Chir Transplant Kunstliche Organe** 1987;20(1):21–5 (Eng. Abstr.) **(Ger)**
[Functional morphology of the intestines] Caspary WF. **Z Gastroenterol [Verh]** 1987 Apr;22:39–49 (19 ref.) **(Ger)**
[Study of intestinal transit time using radiopaque markers: a simple current method] Brogna A, et al. **G Clin Med** 1987 Jan;68(1):13–5 (Eng. Abstr.) **(Ita)**
[Morphofunctional changes in the endocrine system of the small intestine after its proximal resection] Iaglov VV, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):653–6 (Eng. Abstr.) **(Rus)**
[The perfusion method of studying intestinal digestion and absorption in the small intestine] Parfenov AI. **Voen Med Zh** 1987 Apr;(4):26–8 **(Rus)**

PHYSIOPATHOLOGY

Mechanical compliance of the small intestine related to long–standing obstruction. An experimental study in rats. Enochsson L, et al. **Acta Chir Scand** 1986 Oct;152:617–21
Myoelectric activity of the small intestine during morphine dependence and withdrawal in rats. Kuperman DA, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):G562–7
Gastric emptying and small bowel transit of solid food after pylorus–preserving pancreaticoduodenectomy. Patti MG, et al. **Arch Surg** 1987 May;122(5):528–32
Gastric emptying rate and small bowel transit time in patients with irritable bowel syndrome determined with 99mTc–labeled pellets and scintigraphy. Nielsen OH, et al. **Dig Dis Sci** 1986 Dec;31(12):1287–91
Motor responses of the small intestine to intraluminal distension in normal volunteers and a patient with visceral neuropathy. Kendall GP, et al. **Gut** 1987 Jun;28(6):714–20
Intestinal involvement in progressive systemic sclerosis detected by increased unconjugated serum bile acids. Stellaard F, et al. **Gut** 1987 Apr;28(4):446–50
GI disorders—the name's the thing [letter] Wingate DL, et al. **Gut** 1987 Jun;28(6):776–7
The function of small intestine and liver in chronic non–specific enteritis in children. Rondio H, et al. **Mater Med Pol** 1986 Apr–Jun;18(2):88–93
Small bowel permeability in patients with nasal polyposis. Maran AG, et al. **Rhinology** 1986 Sep;24(3):195–8
[Functional and morphological changes in the small intestine of patients with alcoholic liver cirrhosis] Danev I, et al. **Vutr Boles** 1986;25(5):60–2 **(Bul)**
[Functional and immunological indices of the small intestine in childhood Lamblia infection] Apostolov BG, et al. **Pediatriia** 1986 Nov;(11):36–9 (Eng. Abstr.) **(Rus)**
[Function of the small intestine in children with hymenolepiasis] Lysakova LA, et al. **Pediatriia** 1987; (4):94–5 **(Rus)**
[Function of the small intestine of patients with chronic hepatitis and cirrhosis of the liver] Iakhontova OI, et al. **Vrach Delo** 1987 May;(5):18–20 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Late radiation enteropathy following split-dose irradiation of rat small intestine. Hauer Jensen M, et al. **Acta Radiol [Oncol]** 1986 May-Jun;25(3):203-6

Effect of hyperthermia on the radiation response of Chinese hamster small intestine. Milligan AJ, et al. **Br J Radiol** 1985 Aug;58(692):741-4

A prospective study of treatment techniques to minimize the volume of pelvic small bowel with reduction of acute and late effects associated with pelvic irradiation. Gallagher MJ, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep; 12(9):1565-73

Exclusion of small bowel from pelvis for postoperative radiotherapy for rectal cancer. Bakare SC, et al. **J Surg Oncol** 1987 May;35(1):55-8

Surgical management of irradiation-induced small bowel damage [letter] Roberts WS, et al. **Obstet Gynecol** 1986 Nov;68(5):729-30

Late effects in the mouse small intestine after a clinically relevant multifractionated radiation treatment. Dewit L, et al. **Radiat Res** 1987 Jun;110(3):372-84

[Pelvic cancers: radioprotection of the small intestine by using a mammary prosthesis for postoperative irradiation. Apropos of 12 cases] Lasser P, et al. **J Chir (Paris)** 1986 Oct;123(10):545-50 (Eng. Abstr.) **(Fre)**

[Postoperative irradiation of sarcoma of retroperitoneal soft tissues. Prevention of radio-lesions of the small intestine by a silicone balloon (letter)] Mazeron JJ, et al. **Presse Med** 1987 Mar 21;16(10):492 **(Fre)**

[Simulation of cell renewal in the small intestine epithelium of intact and irradiated animals] Gusev IuV, et al. **Dokl Akad Nauk SSSR** 1987;294(3):712-5 **(Rus)**

[Small intestine obstruction in late radiation enterocolitis] Kurpresheva AK, et al. **Med Radiol (Mosk)** 1987 Jun; 32(6):70-3 **(Rus)**

[Lysosomal proteinase activity in the small intestine and liver of irradiated animals following thermal exposure] Nesterenko VS. **Radiobiologiia** 1987 Mar-Apr;27(2):270-2 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Intestinal obstruction with strangulation of the small bowel. Diamiri T, et al. **Acta Chir Scand** 1987 Apr;153(4):307-10

Small-bowel disease: categorization by CT examination. James S, et al. **AJR** 1987 May;148(5):863-8

CT diagnosis of primary small-bowel volvulus. Jaramillo D, et al. **AJR** 1986 Nov;147(5):941-2

Use of tubes and radiographs in the management of small bowel obstruction. Brolin RE, et al. **Ann Surg** 1987 Aug; 206(2):126-33

Volvulus of the small bowel into a pouch in the field of Treves presenting with anaemia. Lewis JL, et al. **Br J Radiol** 1985 Nov;58(695):1132-4

A comparison of three methods for performing barium follow-through studies of the small intestine. Morewood DJ, et al. **Br J Radiol** 1986 Oct;59(706):971-3

The small bowel enema made easy. Nolan DJ, et al. **Clin Radiol** 1987 May;38(3):295-301

Balloon probe for the colonoscopic small intestinal enema (CE). Frimberger E. **Endoscopy** 1987 Jul;19(4):169-70

Anti-reflux small bowel enema tube. Freson M, et al. **J Belge Radiol** 1987;70(1):49-51

Early recognition of toxic megacolon. Caprilli R, et al. **J Clin Gastroenterol** 1987 Apr;9(2):160-4

Small bowel obstruction due to enterolith: CT appearance. Berry DF, et al. **J Comput Assist Tomogr** 1987 Jul-Aug; 11(4):707-8

Small bowel pseudo-obstruction in Kawasaki disease. Miyake T, et al. **Pediatr Radiol** 1987;17(5):383-6

Pneumoperitoneum. Kreel L. **Postgrad Med J** 1986 Jan; 62(723):31-2

Small bowel radiography: how, when, and why? Maglinte DD, et al. **Radiology** 1987 May;163(2):297-305 (66 ref.)

[The study of barium agents used in double contrast examination of the small bowel] Yang RJ. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Dec;20(6):356-9 (Eng. Abstr.) **(Chi)**

[The role of radiology in celiac disease of adults] Schmutz G, et al. **Acta Gastroenterol Belg** 1986 Jul-Aug;49(4):454-9 (Eng. Abstr.) **(Fre)**

[Value of small intestine transit by enteroclysis in obstructive syndromes of the small intestine. Apropos of 212 examinations] Schmutz G, et al. **J Radiol** 1987 Jan; 68(1):23-9 (Eng. Abstr.) **(Fre)**

[Microangiographic findings in experimental intestinal anastomoses] Waninger J, et al. **ROFO** 1987 Jul; 147(1):87-91 (Eng. Abstr.) **(Ger)**

[Usefulness and limitations of edema of the small intestine in malabsorption syndromes] Cirillo LC, et al. **Radiol Med (Torino)** 1987 Jan-Feb;73(1-2):28-34 (Eng. Abstr.) **(Ita)**

[Morpho-functional evaluation of the small intestine patients with Crohn disease. Enema of the small intestine versus post-heparin plasma diamine oxidase] Fondacaro R, et al. **Radiol Med (Torino)** 1987 Mar;73(3):170-3 (Eng. Abstr.) **(Ita)**

[Intussusception of inverted Meckel's diverticulum: a case report] Saitoh O, et al. **Rinsho Hoshasen** 1987 Jan; 32(1):143-6 (Eng. Abstr.) **(Jpn)**

SECRETION

Release of vasoactive intestinal polypeptide anally of a local distension of the feline small intestine. Sjöqvist A, et al. **Acta Physiol Scand** 1987 Jul;130(3):433-8

Glucagon-like peptides GLP-1 and GLP-2, predicted products of the glucagon gene, are secreted separately from pig small intestine but not pancreas. Orskov C, et al. **Endocrinology** 1986 Oct;119(4):1467-75

SURGERY

Diamine oxidase (DAO) activity and intestinal mucosa integrity: influence of suture techniques. Mennigen R, et al. **Agents Actions** 1987 Apr;20(3-4):277-80

Resection of rat small intestine: calcium, phosphorus, and fat balances and 1,25-dihydroxycholecalciferol. Wilson HD, et al. **Am J Clin Nutr** 1987 Feb;45(2):437-42

The Rapunzel syndrome: an unusual trichobezoar. Wolfson PJ, et al. **Am J Gastroenterol** 1987 Apr;82(4):365-7

Blood flow responses to small bowel resection. Ulrich-Baker MG, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):G815-22

Nontraumatic perforation of the small bowel. Chaikof EL. **Am J Surg** 1987 Apr;153(4):355-8

Acute pancreatitis following pancreaticobiliary bypass (Scopinaro operation) [letter] Schein M. **Arch Surg** 1987 Sep;122(9):1088

Increased dietary calcium and small bowel resection have opposite effects on colonic cell turnover. Appleton GV, et al. **Br J Surg** 1986 Dec;73(12):1018-21

Fibrin adhesive versus sutured anastomosis: a comparative intraindividual study in the small intestine of pigs. Hjortrup A, et al. **Br J Surg** 1986 Sep;73(9):760-1

Postoperative alterations in interorgan glucose exchange in enterectomized dogs. Souba WW, et al. **Curr Surg** 1987 May-Jun;44(3):224-8

Resection and anastomosis of small intestine: current methods applicable to the horse. Edwards GB. **Equine Vet J** 1986 Jul;18(4):322-30

Alterations in serum gastrin levels and antral G- and D-cell population following extensive proximal small bowel resection (radioimmunoassay and immunocytochemical study in dogs). Vassilakis JS, et al. **Exp Pathol** 1987; 31(2):77-81

Massive resection of the small bowel. Harju EJ, et al. **Int Surg** 1987 Jan-Mar;72(1):25-9

Total intestinal aganglionosis: a new technique for prolonged survival. Ziegler MM, et al. **J Pediatr Surg** 1987 Jan; 22(1):82-3

re Small bowel decompression in paediatric surgery [letter] **J R Coll Surg Edinb** 1986 Oct;31(5):327-8

Preliminary report: a new technique of enterotomy closure using Nd:YAG laser welding compared to suture repair. Cespanyi E, et al. **J Surg Res** 1987 Feb;42(2):147-52

Postoperative alterations in interorgan glutamine exchange in enterectomized dogs. Souba WW, et al. **J Surg Res** 1987 Feb;42(2):117-25

Anastomotic insufficiency in small bowel surgery—incidence and treatment. Hesp WL, et al. **Langenbecks Arch Chir** 1986;368(2):105-11

Effect of small intestinal resection on somatostatin binding to cytosol of rabbit gastric mucosa. Arilla E, et al. **Life Sci** 1986 Oct 13;39(15):1395-401

Effect of distal enterectomy on cholesterol and bile salt levels in the rat. Vázquez CM, et al. **Rev Esp Fisiol** 1986 Sep; 42(3):289-94

Small intestinal obstruction. Mucha P Jr. **Surg Clin North Am** 1987 Jun;67(3):597-620 (47 ref.)

Hartmann's procedure for multiple intestinal resections in infants. Martinez-Frontanilla LA. **Surg Gynecol Obstet** 1987 Jan;164(1):81

Release of peptide YY (PYY) after resection of small bowel, colon, or pancreas in man. Adrian TE, et al. **Surgery** 1987 Jun;101(6):715-9

[Enteropexy (the Reymond procedure) in the treatment of small-intestine obstruction. The experience of 133 cases] Gullino D, et al. **J Chir (Paris)** 1986 Jun-Jul;123(6-7):442-3 (Eng. Abstr.) **(Fre)**

[The eventration syndrome: prostacyclin liberation and acute hypoxemia due to eventration of the small intestine] Seeling W, et al. **Anaesthesist** 1986 Dec;35(12):738-43 (Eng. Abstr.) **(Ger)**

[Electromyographical study on motor function of residual intestine after massive resection of small intestine] Kitahara S. **Nippon Heikatsukin Gakkai Zasshi** 1986 Oct; 22(5):447-65 (Eng. Abstr.) **(Jpn)**

[Acute small-intestine obstruction in adult Siamese twins] Iukhtin VI, et al. **Khirurgiia (Mosk)** 1986 Aug;(8):146-7 **(Rus)**

[Invagination anastomosis in the surgery of cancer of the proximal portion of the stomach] Lisitsyn KM, et al. **Khirurgiia (Mosk)** 1986 Oct;(10):66-71 (Eng. Abstr.) **(Rus)**

[Treatment of incompetent biliodigestive anastomoses] Zakharov SN. **Khirurgiia (Mosk)** 1987 Feb;(2):99-102 **(Rus)**

[Method of using compression sutures in surgery of the small intestine] Umarov AU, et al. **Klin Khir** 1987;(2):66-7 **(Rus)**

[Diagnosis and prevention of suture incompetence in intestinal resection] Sigal ZM, et al. **Vestn Khir** 1986 Jul; 137(7):96-8 **(Rus)**

TRANSPLANTATION

A possible serum marker for rejection after small intestine transplantation. Maeda K, et al. **Am J Surg** 1987 Jan; 153(1):68-74

Prospects for small bowel transplantation [editorial] Wood R. **Aust NZ J Surg** 1987 Apr;57(4):218-9

Morphology of intestinal allograft rejection and the inadequacy of mucosal biopsy in its recognition. Millard PR, et al. **Br J Exp Pathol** 1986 Oct;67(5):687-98

Use of the small bowel patch in reconstructive procedures involving irradiated tissue. Mealy K, et al. **Br J Surg** 1986 Dec;73(12):1003

Replacement of dog's aorta by autologous intestinal muscle in the infected retroperitoneum. Broll R, et al. **Eur Surg Res** 1986;18(6):390-6

A modified technique for small-bowel transplantation in the rat. Sonnino RE, et al. **J Pediatr Surg** 1986 Dec; 21(12):1073-7

Metabolic aspects of small bowel transplantation in inbred rats. Koltun WA, et al. **J Surg Res** 1987 Apr;42(4):341-7

Recipient growth and nutritional status following transplantation of segmental small-bowel allografts. Schraut WH, et al. **J Surg Res** 1987 Jul;43(1):1-9

Survival of transferred intestinal segments after vascular pedicle interruption. Cohen BE, et al. **Plast Reconstr Surg** 1987 Apr;79(4):610-7

Immune responses in small intestinal transplantation in the rat: correlation of histopathology and monocyte procoagulant activity. Silverman R, et al. **Surgery** 1987 Aug;102(2):395-401

Graft-versus-host and host-versus-graft reactions after small intestine allografts in hyperimmunized rats: effect of cyclosporine treatment. Marni A, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1207-11

Small intestinal transplantation using cyclosporine. Report of a case. Cohen Z, et al. **Transplantation** 1986 Dec; 42(6):613-21

Transplantation of the entire small bowel in inbred rats using cyclosporine. Hatcher PA, et al. **Transplantation** 1987 Apr; 43(4):478-84

[Results of orthotopic small intestine transplantation in rats in the MHC and non-MHC different systems] Preissner WC, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986; 19(6):370-2 **(Ger)**

[Perspectives of small intestine transplantations] Deltz E, et al. **Z Gastroenterol [Verh]** 1987 Apr;22:73-7 (26 ref.) **(Ger)**

ULTRASTRUCTURE

Ultrastructure of the small intestinal mucosa in progressive systemic sclerosis (PSS). Hendel L, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1987 Jan; 95(1):41-6

Cell-free synthesis of high-molecular-weight small intestinal polypeptides. McAllister G, et al. **Biochim Biophys Acta** 1986 Sep 25;861(1):197-200

Colchicine-induced tubular, vesicular and cisternal organelle aggregates in absorptive cells of the small intestine of the rat. II.—Endocytosis studies. Ellinger A, et al. **Biol Cell** 1986;58(1):31-41

Flow cytometry, a very useful technique for the characterization of intestinal membrane vesicles. Gorvel JP, et al. **Biol Cell** 1986;58(2):157-67

Ultrastructural studies of the portal transport of fat in chickens. Fraser R, et al. **Br J Exp Pathol** 1986 Dec; 67(6):783-91

Morphological changes of rat small intestine after short-time exposure to concanavalin A or wheat germ agglutinin. Sjölander A, et al. **Cell Struct Funct** 1986 Sep;11(3):285-93

Structural features of absorptive cell and microvillus membrane preparations from rat small intestine. Bjorkman DJ, et al. **Gastroenterology** 1986 Dec;91(6):1401-14

Localization of sucrase-isomaltase in the rat enterocyte. Lorenzsonn V, et al. **Gastroenterology** 1987 Jan; 92(1):98-105

Acyl-CoA-independent esterification of retinol bound to cellular retinol-binding protein (type II) by microsomes from rat small intestine [published erratum appears in J Bio Chem 1987 May 25;262(15):7438] Ong DE, et al. **J Biol Chem** 1987 Feb 25;262(6):2729-36

Glycoconjugate cytochemistry of the rat small intestine using Helix pomatia agglutinin and colloidal gold conjugates. Murata F, et al. **J Electron Microsc (Tokyo)** 1986; 35(1):29-37

Kinetics, tissue specificity and pathological changes in murine rotavirus infection of mice. Starkey WG, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2625-34

Immunohistochemical localization and characterization of a protein from the basolateral membrane of rat small intestine epithelium using monoclonal antibody GZ-1. Schiechl H, et al. **J Histochem Cytochem** 1986 Dec;34(12):1659-65

Study of the conditions necessary for propane-jet freezing of fresh biological tissues without detectable ice formation. Haggis GH. **J Microsc** 1986 Sep;143 (Pt 3):275-82

H+ gradient-dependent and carrier-mediated transport of cefixime, a new cephalosporin antibiotic, across brush-border membrane vesicles from rat small intestine. Tsuji A, et al. **J Pharmacol Exp Ther** 1987 May; 241(2):594-601

Beam voltage effects in the study of embedded biological materials by secondary electron detectors. Scala C, et al.

Scan Electron Microsc 1986;(Pt 3):987–98

[Ultrastructure of cells of the rat entero–endocrine system during exposure to cholera toxin] Shchakhlamov VA, et al. **Biull Eksp Biol Med** 1986 Sep;102(9):365–8 (Eng. Abstr.) **(Rus)**

[Canalicular system of the enterocyte and its changes depending upon the functional state] Mosevich TN, et al. **Dokl Akad Nauk SSSR** 1987;293(6):1487–9 **(Rus)**

[Canalicular system of enterocytes at rest and its changes during lipid absorption] Mosevich TN, et al. **Tsitologiia** 1987 Jan;29(1):22–7 (Eng. Abstr.) **(Rus)**

INTESTINES

Whole bowel irrigation for iron overdose [letter] Bock GW, et al. **Ann Emerg Med** 1987 Jan;16(1):137–8

Whole bowel irrigation as a decontamination procedure after acute drug overdose. Tenenbein M, et al. **Arch Intern Med** 1987 May;147(5):905–7

Intestinal heterotopia: an unusual cause of vulval ulceration. Case report. Yeoh G, et al. **Br J Obstet Gynaecol** 1987 Jun;94(6):600–2

Whole bowel irrigation in iron poisoning. Tenenbein M. **J Pediatr** 1987 Jul;111(1):142–5

Whole bowel irrigation: experience in pediatric patients. Vila JJ, et al. **J Pediatr Surg** 1987 May;22(5):447–50

[Oxygen administration via a nasal catheter causing severe meteorism in a patient] Elfstrand A, et al. **Lakartidningen** 1987 Apr 29;84(18):1557–8 **(Swe)**

ABNORMALITIES

Midgut malrotation diagnosed by ultrasound. Gaines PA, et al. **Clin Radiol** 1987 Jan;38(1):51–3

Intestinal malformations and Down's syndrome in Arabs [letter] Al–Awadi SA, et al. **J R Soc Med** 1987 Jan; 80(1):61–2

Coexistent renal, müllerian and alimentary tract developmental defects. A case report. Letterie GS, et al. **J Reprod Med** 1987 Feb;32(2):153–6

An autopsy case of the positional anomaly of the gut. Ukeshima A, et al. **Okajimas Folia Anat Jpn** 1986 Aug; 63(2–3):133–9

[Anomalies of rotation and fixation of the primitive intestinal loop. Apropos of 54 cases] Cohen S, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1987;124 Spec No:131–51 **(Fre)**

[Vesico–intestinal fissure with meningocystocele—attempt at clarifying an embryologic connection] Zitzelsberger M, et al. **Langenbecks Arch Chir** 1987;371(1):29–37 (Eng. Abstr.) **(Ger)**

[Abnormalities in positioning and shape of the intestines in children] Schier F, et al. **Zentralbl Chir** 1987;112(4):217–26 (Eng. Abstr.) **(Ger)**

[Double intestine in children] Bibliuk II, et al. **Klin Khir** 1987; (6):74 **(Rus)**

ANALYSIS

Tyrosine and tyrosinate fluorescence of pig intestinal Ca2+–binding protein. O'Neil JD, et al. **Biochem J** 1987 Apr 15;243(2):611–5

A novel vasoactive intestinal peptide (VIP) from elasmobranch intestine has full affinity for mammalian pancreatic VIP receptors. Dimaline R, et al. **Biochim Biophys Acta** 1987 Aug 19;930(1):97–100

Topological distribution of aminophospholipid fatty acids in trout intestinal brush–border membrane. Pelletier X, et al. **Biochim Biophys Acta** 1987 Aug 20;902(2):223–8

Calcium binding protein from porcine intestine binds to phosphatidylserine vesicles in the presence of calcium. Shadle PJ, et al. **Biochim Biophys Acta** 1987 Mar 12; 897(3):502–6

Immunocytochemical localization of extracellular–matrix proteins in relation to rat intestinal morphogenesis. Simon–Assmann P, et al. **Differentiation** 1986;32(1):59–66

Does local intestinal ascorbate deficiency predispose to fistula formation in Crohn's disease. Pettit SH, et al. **Dis Colon Rectum** 1987 Jul;30(7):552–7

Brain/gut peptides in fed and fasted rats. Zheng B, et al. **Endocrinology** 1987 Feb;120(2):714–7

Primary structure of glucagon from the gut of the common dogfish (Scyliorhinus canicula). Conlon JM, et al. **FEBS Lett** 1987 Apr 6;214(1):50–6

Purification of the enhancing factor from mouse intestines. Mulherkar R, et al. **FEBS Lett** 1986 Oct 20;207(1):142–4

Histochemical staining of sulphated and non–sulphated sialomucin in intestinal epithelium: practical difficulties associated with the KOH–AB 1.0–PAPS method. Buk SJ, et al. **Histochem J** 1986 Oct;18(10):576–8

Preparative fractionation of carbohydrate–rich components present in germ–free rat intestinal mucin by gel filtration. Comparison of Dynospheres XP–3505 and sepharose CL 4B. Paulsen BS, et al. **J Chromatogr** 1986 Aug 8; 363(1):105–10

Concentration of 125globulins in intestinal tissues of immunized and non–immunized chickens infected with Eimeria acervulina. McKenzie ME, et al. **J Parasitol** 1986 Oct;72(5):791–2

Glucagon–like peptide–1 and the entero–insular axis in obese hyperglycaemic (ob/ob) mice. Bailey CJ, et al. **Life Sci** 1987 Feb 9;40(6):521–5

Motilin–like–immunoreactivity in intestine and brain of dog. Poitras P, et al. **Life Sci** 1987 Apr 6;40(14):1391–5

Analysis of volatile fatty acids in biological specimens by capillary column gas chromatography. Fleming SE, et al. **Lipids** 1987 Mar;22(3):195–200

Distance between substrate sites on the Na–glucose cotransporter by fluorescence energy transfer. Peerce BE, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8092–6

Substance P, neurokinin A, vasoactive intestinal polypeptide and gastrin releasing peptide in the intestine and pancreas of spontaneously obese–diabetic mice. Bailey CJ, et al. **Regul Pept** 1986 Dec 30;16(3–4):339–48

Ontogeny of peptide–containing neurons in human gut—an immunocytochemical study. Larsson LT, et al. **Regul Pept** 1987 May;17(5):243–56

ANATOMY & HISTOLOGY

Comparison of methods used to collect canine intestinal tissues for histologic examination. Fenwick BW, et al. **Am J Vet Res** 1987 Aug;48(8):1276–81

Intestinal structural changes in African green monkeys after long term psyllium or cellulose feeding. Paulini I, et al. **J Nutr** 1987 Feb;117(2):253–66

[Age and the extent and topography of solitary lymphoid nodules in the wall of the human small and large intestine] Khatamov EA. **Arkh Anat Gistol Embriol** 1986 Dec; 91(12):66–9 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Intestinal vascular obstruction shock in the rat. Effect of 2 dextran solutions on blood and plasma volumes, cardioinhibitory activity in blood and pulmonary platelet trapping. Haglind E, et al. **Acta Chir Scand** 1987 Feb; 153(2):87–92

The role of prostanoids in the feline intestinal vascular and central haemodynamic responses to i.v. infusion of live E. coli. Schütze KM, et al. **Acta Physiol Scand** 1987 Jul; 130(3):359–66

Autoregulatory escape from vasoconstriction of intestinal circulation in developing swine. Buckley NM, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):H118–24

Xanthine oxidase and neutrophil infiltration in intestinal ischemia. Grisham MB, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):G567–74

A role for iron in oxidant–mediated ischemic injury to intestinal microvasculature. Hernandez LA, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):G49–53

Role of neutrophils in ischemia–reperfusion–induced microvascular injury. Hernandez LA, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):H699–703

Kinetic analysis of zinc uptake and serosal transfer by vascularly perfused rat intestine. Hoadley JE, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):G825–31

Intestinal hyperemia in experimental diabetes mellitus. Korthuis RJ, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):G26–32

Intestinal capillary filtration in experimental diabetes mellitus. Korthuis RJ, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):G20–5

Quantitative assessment of the two–component model of intestinal circulation. Kvietys PR, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):G446–52

Effect of intestinal denervation on intestinal vascular response to severe arterial hypoxia in newborn swine. Nowicki PT, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):G201–5

Intestinal blood flow and oxygen uptake in the neonatal piglet during reduced perfusion pressure. Nowicki PT, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):G190–4

Treatment of intestinal ischemia with oxygenated intraluminal perfluorocarbons. Oldham KT, et al. **Am J Surg** 1987 Mar;153(3):291–4

Surface oximetry of healthy and ischemic equine intestine. Snyder JR, et al. **Am J Vet Res** 1986 Dec;47(12):2530–5

Preservation of compromised intestine after ischemic injury. Bellenis IP, et al. **Am Surg** 1987 May;53(5):260–3

Arterial supply to the pig intestine: an unusual pattern in the mesentery. Spalding H, et al. **Anat Rec** 1987 May; 218(1):27–9

Intestinal circulation, enteral nutrition, and inoperable abdominal angina [letter] van der Heide JJ, et al. **Ann Intern Med** 1987 Oct;107(4):592

The use of infrared photoplethysmography in identifying early intestinal ischemia. Pearce WH, et al. **Arch Surg** 1987 Mar;122(3):308–10

Treatment of mesenteric infarction. Clavien PA, et al. **Br J Surg** 1987 Jun;74(6):500–3

Arteriolar, capillary, and shunt flow gradients along the intestine in relation to the weight distribution of the mucosa, submucosa, and muscularis—a microsphere study. Dinda PK, et al. **Can J Physiol Pharmacol** 1986 Aug; 64(8):1127–36

Intestinal vasodilation by epoxyeicosatrienoic acids: arachidonic acid metabolites produced by a cytochrome P450 monooxygenase. Proctor KG, et al. **Circ Res** 1987 Jan;60(1):50–9

The use of tonometry in the early diagnosis of mesenteric ischemia. Poole JW, et al. **Curr Surg** 1987 Jan–Feb; 44(1):21–4

Charge selectivity of rat intestinal capillaries. Influence of polycations. Granger DN, et al. **Gastroenterology** 1986 Dec; 91(6):1443–6

Importance of collateral circulation in the vascularly occluded feline intestine. Premen AJ, et al. **Gastroenterology** 1987 May;92(5 Pt 1):1215–9

Doppler ultrasound in the diagnosis of intestinal ischemia. Hartnell GG, et al. **Gastrointest Radiol** 1987;12(4):285–8

Cell and wall morphology of intestinal arterioles from 4– to 6– and 17– to 19–week–old Wistar–Kyoto and spontaneously hypertensive rats. Miller BG, et al. **Hypertension** 1987 Jan;9(1):59–68

Systemic and intestinal limits of O2 extraction in the dog. Nelson DP, et al. **J Appl Physiol** 1987 Jul;63(1):387–94

Sensitivity of intestinal resistance vessels to vasopressin after ganglionic blockade in the conscious cat. Martin DS, et al. **J Cardiovasc Pharmacol** 1987 Mar;9(3):368–74

Computed tomography of intramural intestinal hemorrhage and bowel ischemia. Balthazar EJ, et al. **J Comput Assist Tomogr** 1987 Jan–Feb;11(1):67–72

Use of Iohexol in the radiographic diagnosis of ischemic bowel [letter] Erpicum P, et al. **J Pediatr Surg** 1987 May; 22(5):476–7

Blood flow to transplanted fetal rat intestine. Perry RR, et al. **J Surg Res** 1986 Dec;41(6):627–35

Supraceliac aortomesenteric bypass for intestinal ischemia. Beebe HG, et al. **J Vasc Surg** 1987 May;5(5):749–54

Chronic intestinal ischemia: diagnosis and therapy. Stanton PE Jr, et al. **J Vasc Surg** 1986 Oct;4(4):338–44

Bowel infarction as a cause of death in dialysis patients. Diamond SM, et al. **JAMA** 1986 Nov 14;256(18):2545–7

Bowel infarction in dialysis patients [letter] Dueymes JM, et al. **JAMA** 1987 Mar 6;257(9):1177–8

Relationship between antipyrine absorption and blood flow rate in rat jejunum, ileum, and colon. Schulz R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jan; 335(1):97–102

Intestinal ischemic injury following mild hypothermic stress in the neonatal piglet. Schneider PA, et al. **Pediatr Res** 1987 Apr;21(4):422–5

The effect of high ambient temperature and hypercapnia on postprandial intestinal hyperemia in domestic cockerels. Bottje WG, et al. **Poult Sci** 1986 Aug;65(8):1606–14

Inhibition of lipid peroxidation by superoxide dismutase following regional intestinal ischemia and reperfusion. Younes M, et al. **Res Exp Med (Berl)** 1987;187(1):9–17

Intestinal ischemia and infarction associated with oral contraceptives. Schneiderman DJ, et al. **West J Med** 1986 Sep;145(3):350–5

[Embolization treatment of hemorrhages due to intestinal and umbilical varices in portal hypertension] L'Herminé C, et al. **Ann Radiol (Paris)** 1987;30(2):161–4 (Eng. Abstr.) **(Fre)**

[Hyperlactacidemia in intestinal ischemia. I. Theoretical considerations] Nutz V, et al. **Langenbecks Arch Chir** 1987; 370(2):63–8 (Eng. Abstr.) **(Ger)**

[Hyperlactacidemia in intestinal ischemia. II. Experimental principles] Nutz V, et al. **Langenbecks Arch Chir** 1987; 370(2):69–78 (Eng. Abstr.) **(Ger)**

[Reimplantation of the inferior mesenteric artery—a sensible measure in aneurysm surgery?] Kristen R, et al. **Vasa** 1987; 16(2):168–72 (Eng. Abstr.) **(Ger)**

[Percutaneous transluminal angioplasty as an alternative to surgical intervention in angina abdominalis] Werner W, et al. **Vasa** 1987;16(2):186–9 (Eng. Abstr.) **(Ger)**

[Acute intestinal ischemia. A clinical review of a surgical case record] Cortese F, et al. **Minerva Chir** 1986 Jul 31; 41(13–14):1215–21 (Eng. Abstr.) **(Ita)**

[Intestinal infarct and the short intestine syndrome] Scarabelli L, et al. **Minerva Chir** 1986 Nov 30;41(22):1913–21 **(Ita)**

[Vascular factors in the genesis of atresia of the intestines] Verga G, et al. **Minerva Chir** 1986 Nov 30;41(22):1923–32 **(Ita)**

[Intestinal angiodysplasias. Diagnostic and therapeutic problems] Todeschini G, et al. **Minerva Med** 1987 May 15;78(9):591–8 (Eng. Abstr.) **(Ita)**

[Effect of gastrin–releasing peptide on pancreas. II. Effects of GRP on pancreatic, intestinal, gastric and femoral arterial blood flow] Kii E, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep;83(9):2050–7 (Eng. Abstr.) **(Jpn)**

[Intestinal blood flow in acute intestinal invagination in children] Podkamenev VV. **Khirurgiia (Mosk)** 1986 Aug; (8):35–8 (Eng. Abstr.) **(Rus)**

[Various problems of the clinical course and pathogenesis of abdominal angina in arteriosclerosis] Abulov MKh, et al. **Klin Med (Mosk)** 1987 Jan;65(1):76–81 (Eng. Abstr.) **(Rus)**

[Infarct of the intestines] Davydov IuA, et al. **Sov Med** 1986; (11):78–81 **(Rus)**

[Luminescence laparoscopy in abdominal surgery] Brovkin VA. **Vestn Khir** 1987 Mar;138(3):24–7 (Eng. Abstr.) **(Rus)**

[Effect of local hyper– and hypothermia on hemodynamics and viability of the ischemic intestine] Urakov AL, et al. **Vestn Khir** 1987 Mar;138(3):43–5 (Eng. Abstr.) **(Rus)**

[Regional microcirculatory disorders in peritonitis] Zaĭtsev VT, et al. **Vestn Khir** 1987 Jan;138(1):10–3 (Eng. Abstr.) **(Rus)**

[Roentgenographic diagnosis of conditions after gastric resection] Mersten A, et al. **Cesk Radiol** 1986 Nov; 40(6):412–20 (Eng. Abstr.) **(Slo)**

[Intestinal revascularization] Gutiérrez Carreño R, et al. **Angiologia** 1987 Jul–Aug;39(4):166–70 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Biogenic amines as regulators of the proliferative activity of normal and neoplastic intestinal epithelial cells (review). Tutton PJ, et al. **Anticancer Res** 1987 Jan–Feb;7(1):1–12 (148 ref.)

Effects of growth factors on an intestinal epithelial cell line: transforming growth factor beta inhibits proliferation and stimulates differentiation. Kurokowa M, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):775–82

Modulated expression of human homeobox genes in differentiating intestinal cells. Sebastio G, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):751–6

Role of Na+/H+ antiport in intracellular pH regulation by rabbit enterocytes. Shimada T, et al. **Biochim Biophys Acta** 1987 Jul 23;901(2):265–72

Importance of a fibroblastic support for in vitro differentiation of intestinal endodermal cells and for their response to glucocorticoids. Kédinger M, et al. **Cell Differ** 1987 Mar;20(2–3):171–82

Development of vasoactive intestinal peptide–responsive adenylate cyclase during enterocytic differentiation of Caco–2 cells in culture. Evidence for an increased receptor level. Laburthe M, et al. **J Biol Chem** 1987 Jul 25; 262(21):10180–4

Survival of lactic acid bacteria in the human stomach and adhesion to intestinal cells. Conway PL, et al. **J Dairy Sci** 1987 Jan;70(1):1–12

Mast cells from the human intestinal lamina propria. Isolation, histochemical subtypes, and functional characterization. Befus AD, et al. **J Immunol** 1987 Apr 15;138(8):2604–10

Lectin–histochemistry of the teleost intestine and liver under normal and starved conditions. Burkhardt P, et al. **Z Mikrosk Anat Forsch** 1987;101(2):301–17

DRUG EFFECTS

Morphologic evaluation of the effects of Shiga toxin and E coli Shiga–like toxin on the rabbit intestine. Keenan KP, et al. **Am J Pathol** 1986 Oct;125(1):69–80

Antimicrobial alternatives for calf diarrhea: enteric responses to Escherichia coli, deferoxamine, or gallium in neonatal calves. Fettman MJ, et al. **Am J Vet Res** 1987 Apr; 48(4):569–77

Clinical relevance of xylazine study questioned [letter] Hubbell JA, et al. **Am J Vet Res** 1987 May;48(5):890

Alterations of secretory pattern of intestinal lipoproteins by the benzoyl ester derivative of poloxalene surfactant (BEP). Bochenek WJ, et al. **Atherosclerosis** 1987 Apr; 64(2–3):167–72

Colchicine selectively inhibits lactase expression by rat enterocytes. Hudson DA, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):3929–34

The effect of angiotensin II upon electrogenic ion transport in rat intestinal epithelia. Cox HM, et al. **Br J Pharmacol** 1987 Feb;90(2):393–401

Pharmacological effects of isopolar phosphonate analogues of ATP on P2–purinoceptors in guinea–pig taenia coli and urinary bladder. Cusack NJ, et al. **Br J Pharmacol** 1987 Apr;90(4):791–5

Intestinal responses in the male rat to gavaged corn oil. Anderson RL. **Cancer Lett** 1987 Jul;36(1):55–63

Comparison of the effects of an ornithine decarboxylase inhibitor on the intestinal epithelium and on intestinal tumors. Tutton PJ, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6091–4

The effects of Clostridium difficile toxins A and B on membrane integrity and protein synthesis in intestinal cells in vivo and in vitro and in McCoy cells in vitro. Mitchell TJ, et al. **J Med Microbiol** 1987 May;23(3):205–10

Alfalfa saponins affect site and extent of nutrient digestion in ruminants. Lu CD, et al. **J Nutr** 1987 May;117(5):919–27

Differentiation of calcium antagonists with respect to their effects in normal and skinned taenia caeci preparations. Cortijo J, et al. **J Pharm Pharmacol** 1987 Apr;39(4):283–9

Opioid action of the intestine: the importance of the intestinal mucosa. Coupar IM. **Life Sci** 1987 Aug 24;41(8):917–25 (54 ref.)

Effects of (D–Ala2,D–Leu5)enkephalinamide on isolated longitudinal muscle guinea pig and rat intestines. Venkova K, et al. **Methods Find Exp Clin Pharmacol** 1987 May; 9(5):291–6

Effect of dimethyl sulfoxide on the function and structure of the intact and ischemic canine ileum. Mirkovitch V, et al. **Res Exp Med (Berl)** 1987;187(4):295–302

EMBRYOLOGY

The lining of the gut in the developing rat embryo. Its relation to the hypoblast (primary endoderm) and the notochord. Lamers WH, et al. **Anat Embryol (Berl)** 1987; 176(2):259–65

The physical characteristics and enzymatic modification of fetal intestinal alkaline phosphatase in amniotic fluid. Moss DW, et al. **Clin Biochem** 1987 Feb;20(1):9–12

Bowel migration in the normal fetus: US detection. Cyr DR, et al. **Radiology** 1986 Oct;161(1):119–21

Ontogeny of gut–associated lymphoid tissue (GALT) in the dogfish Scyliorhinus canicula L. Hart S, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):107–16

ENZYMOLOGY

Gadolinium and didymium (praseodymium/neodymium) cations as capture agents in lightmicroscopical histochemistry of acid and alkaline phosphatase. Halbhuber KJ, et al. **Acta Histochem (Jena)** 1987;81(2):223–5

Analysis of fetal intestinal enzymes in amniotic fluid for the prenatal diagnosis of cystic fibrosis. Mulivor RA, et al. **Am J Hum Genet** 1987 Feb;40(2):131–46

Neonatal intestinal lactase activity. Weaver LT, et al. **Arch Dis Child** 1986 Sep;61(9):896–9

Drug–metabolizing enzyme activities in the liver and intestine of rats exposed to DDT: effects of vitamin A status. de Waziers I, et al. **Arch Environ Contam Toxicol** 1987 May; 16(3):343–8

Intestinal basolateral membrane Ca–ATPase activity with properties distinct from those of the Ca–pump. Moy TC, et al. **Biochem Biophys Res Commun** 1986 Dec 30; 141(3):979–85

Quaternary structure of intestinal maltase–glucoamylase in pancreatectomized rats. Lee L, et al. **Biochem Cell Biol** 1987 Apr;65(4):392–7

Hydrophobic binding domains of rat intestinal maltase–glucoamylase. Lee L, et al. **Biochem Cell Biol** 1986 Aug;64(8):782–7

Immunochemical and functional characterization of UDP–glucuronosyltransferases from rat liver, intestine and kidney. Koster AS, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):3971–5

Intestinal and renal origin of trehalase activity in rabbit amniotic fluid. Morin PR, et al. **Biochim Biophys Acta** 1987 Mar 19;923(3):371–80

Distribution, purification and characterization of rat intestinal UDPgalactose: N–acetylglucosaminyl(beta 1——4)galactosyltransferase. Weiser MM, et al. **Biochim Biophys Acta** 1987 May 19;924(2):323–31

Inhibitory effect of somatostatin on cholera toxin–induced diarrhea and glycoenzyme secretion in rat intestine. Yoshioka M, et al. **Digestion** 1987;36(3):141–7

Differential induction of mixed–function oxidase (MFO) activity in rat liver and intestine by diets containing processed cabbage: correlation with cabbage levels of glucosinolates and glucosinolate hydrolysis products. McDanell R, et al. **Food Chem Toxicol** 1987 May; 25(5):363–8

Dietary influences on rat hepatic and intestinal DT–diaphorase activity. Salbe AD, et al. **Food Chem Toxicol** 1986 Aug;24(8):851–6

Comparison of the effects of various flavonoids on ethoxycoumarin deethylase activity of rat intestinal and hepatic microsomes. Vernet A, et al. **Food Chem Toxicol** 1986 Aug;24(8):857–61

Hormonal control of the intestinal brush border enzyme activities in developing anuran amphibians. II. Effects of glucocorticoids and insulin during experimental metamorphosis. Ben Brahim O, et al. **Gen Comp Endocrinol** 1987 Mar;65(3):489–95

Histochemical distribution of potassium–dependent p–nitrophenylphosphatase in the calf intestine. Landsverk T. **Histochem J** 1986 Sep;18(9):519–23

Changes in some intestinal enzyme activities in experimental hexachlorobenzene–induced porphyria and modifying effects of diet. Ivanov E, et al. **IARC Sci Publ** 1986; (77):611–8

Low Mr tropomyosin isoforms from chicken brain and intestinal epithelium have distinct actin–binding properties. Broschat KO, et al. **J Biol Chem** 1986 Oct 5; 261(28):13350–9

Effect of restricting a balanced diet on rat intestinal disaccharidase activity and intestinal architecture. Zarling EJ, et al. **J Lab Clin Med** 1987 May;109(5):556–9

Oral absorption of 21–corticosteroid esters: a function of aqueous stability and intestinal enzyme activity and distribution. Fleisher D, et al. **J Pharm Sci** 1986 Oct; 75(10):934–9

Inhibition of intestinal disaccharidases and suppression of blood glucose by a new alpha–glucohydrolase inhibitor—MDL 25,637. Rhinehart BL, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):915–20

Structure–activity relationships of dietary indoles: a proposed mechanism of action as modifiers of xenobiotic metabolism. Bradfield CA, et al. **J Toxicol Environ Health** 1987; 21(3):311–23

The effect of hypothyroidism and thyroxine replacement on hepatic and intestinal HMG–CoA reductase and ACAT activities and biliary lipids in the rat. Field FJ, et al. **Metabolism** 1986 Dec;35(12):1085–9

Isolation and characterization of calmodulin–dependent myosin heavy chain kinase from intestinal brush border. Rieker JP, et al. **Methods Enzymol** 1987;139:105–14

Physiochemical properties of tissue alkaline phosphatase in IS rats. Fujise H, et al. **Nippon Juigaku Zasshi** 1987 Apr; 49(2):379–81

Small and large intestinal guanylate cyclase activity in children: effect of age and stimulation by Escherichia coli heat–stable enterotoxin. Guarino A, et al. **Pediatr Res** 1987 Jun;21(6):551–5

The effect of hydrocortisone, thyroxine, and phenobarbital on diamine oxidase activity in newborn rat intestine. Karp WB, et al. **Pediatr Res** 1987 Apr;21(4):368–70

Cloning and sequencing of human intestinal alkaline phosphatase cDNA. Berger J, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):695–8

GROWTH & DEVELOPMENT

The effect of dietary protein source and guar gum on gastrointestinal growth and enteroglucagon secretion in the rat. Southon S, et al. **Br J Nutr** 1987 Jul;58(1):65–72

Calmodulin in epithelial intestinal cells during rat development. Rochette–Egly C, et al. **Experientia** 1986 Sep 15;42(9):1043–6

Regulation of types I, III, and IV procollagen mRNA synthesis in glucocorticoid–mediated intestinal development. Walsh MJ, et al. **J Biol Chem** 1987 Aug 5; 262(22):10814–8

Total parenteral nutrition and intestinal development: a neonatal model. Morgan W 3d, et al. **J Pediatr Surg** 1987 Jun;22(6):541–5

Developmental physiology. Hard–wired local triggering of intestinal enzyme expression [news] Diamond JM. **Nature** 1986 Dec 4–10;324(6096):408

Intestinal maturation: calcium transport by basolateral membranes. Ghishan FK, et al. **Pediatr Res** 1987 Mar; 21(3):257–60

[Distribution of substance P– and enkephalin–immunoreactivity in the intestine of guinea pigs during development] Piemontesi F. **Boll Soc Ital Biol Sper** 1986 Sep 30;62(9):1087–93 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

The anatomical basis for the immune function of the gut. Pabst R. **Anat Embryol (Berl)** 1987;176(2):135–44 (90 ref.)

The effect of a biological response modifier, PSK, on the intestinal immune system in tumor–bearing mice. Matsunaga K, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):509–12

Presence of antiamebic antibodies in secretions from ileum, colon and feces in patients with amebic hepatic abscess. O'Shea–Alvarez MS, et al. **Arch Invest Med (Mex)** 1985 Oct–Dec;16(4):401–9 **(Eng, Spa)**

Enhanced recovery of gut–associated lymphoid tissue by infusion of buffy coat cells and gut leukocytes in the murine syngeneic bone marrow transplantation model. Leventon GS, et al. **Blood** 1986 Nov;68(5):1003–7

Predominance of helper–inducer T cells in mesenteric lymph nodes and intestinal lamina propria of normal nonhuman primates. James SP, et al. **Cell Immunol** 1987 Jul; 107(2):372–83

Intestinal and serum antibody in coeliac disease: a comparison using ELISA. Labrooy JT, et al. **Clin Exp Immunol** 1986 Dec;66(3):661–8

Spontaneous secretion of IgG subclasses by intestinal mononuclear cells: differences between ulcerative colitis, Crohn's disease, and controls. Scott MG, et al. **Clin Exp Immunol** 1986 Oct;66(1):209–15

The influence of intestinal processing on the immunogenicity and molecular size of absorbed, circulating ovalbumin in mice. Bruce MG, et al. **Immunology** 1986 Oct;59(2):295–300

Oral tolerance in protein–deprived mice. II. Evidence of normal 'gut processing' of ovalbumin, but suppressor cell deficiency, in deprived mice. Lamont AG, et al. **Immunology** 1987 Jul;61(3):339–43

Role of Peyer's patch in the intestinal immune response to cholera toxin in enterically immunized rats. Enders GA, et al. **Infect Immun** 1987 Sep;55(9):1997–9

Secretory immunoglobulin A response following peroral priming and challenge with Shigella flexneri lacking the 140–megadalton virulence plasmid. Keren DF, et al. **Infect Immun** 1986 Dec;54(3):920–3

Systemic and intestinal immunities after natural typhoid infection. Sarasombath S, et al. **J Clin Microbiol** 1987 Jun; 25(6):1088–93

Gastric lavage: a simple method to obtain IgA–rich intestinal secretions from the rabbit. Burr DH, et al. **J Immunol Methods** 1987 May 20;99(2):277–81

Long–term cholera antitoxin memory in the gut can be triggered to antibody formation associated with protection within hours of an oral challenge immunization. Lycke N, et al. **Scand J Immunol** 1987 Apr;25(4):407–12

Protection against cholera toxin after oral immunization is thymus–dependent and associated with intestinal production of neutralizing IgA antitoxin. Lycke N, et al. **Scand J Immunol** 1987 Apr;25(4):413–9

Intestinal immunity induced by inactivated poliovirus vaccine. Selvakumar R, et al. **Vaccine** 1987 Jun;5(2):141–4

[The intestines as an immune organ] Pabst R. **Z Gastroenterol [Verh]** 1987 Apr;22:50–5 (26 ref.) **(Ger)**

[Organ–specific antigens of the human intestines detectable in tumors] Pugachev KK, et al. **Eksp Onkol** 1986;8(6):32–6 (Eng. Abstr.) **(Rus)**

[Immunohistological study of an intestinal antigen] Pugachev KK, et al. **Vopr Onkol** 1987;33(4):41–5 (Eng. Abstr.) **(Rus)**

INJURIES

Computed tomography in the diagnosis of blunt intestinal and mesenteric injuries. Donohue JH, et al. **J Trauma** 1987 Jan;27(1):11–7

[Subtotal resection of the small intestine and right–sided hemicolectomy after closed injury of the abdomen] Krymov KD. **Khirurgiia (Mosk)** 1986 Nov;(11):134–5 **(Rus)**

[Case of an unusual traumatic rupture of the intestines] Bogulslavskiĭ LG, et al. **Sud Med Ekspert** 1987 Apr–Jun;

30(2):55–6 (Rus)

INNERVATION

Phaclofen: a peripheral and central baclofen antagonist. Kerr DI, et al. **Brain Res** 1987 Mar 3;405(1):150–4

Capsaicin treatment attenuates the reflex excitation of sympathetic activity caused by chemical stimulation of intestinal afferent nerves. Stein RD, et al. **Brain Res** 1986 Nov 5;397(1):145–51

Involvement of gastrointestinal mechano– and intestinal chemoreceptors in vagal reflexes: an electrophysiological study. Blackshaw LA, et al. **J Auton Nerv Syst** 1987 Mar; 18(3):225–34

Intestinal plexuses in Crohn's disease and ulcerative colitis in children: pathologic and microdissection studies. Nadorra R, et al. **Pediatr Pathol** 1986;6(2–3):267–87

Chemical coding of enteric neurons. Costa M, et al. **Prog Brain Res** 1986;68:217–39

Increased neuropeptide Y–immunoreactive innervation of aganglionic bowel in Hirschsprung's disease. Hamada Y, et al. **Virchows Arch [A]** 1987;411(4):369–77

Neuronal intestinal dysplasia—clinical and histochemical findings and its association with Hirschsprung's disease. Briner J, et al. **Z Kinderchir** 1986 Oct;41(5):282–6

Zuelzer–Wilson's syndrome and absence of the enteric nervous system. Two rare forms of anomalies of the enteric nervous system with identical clinical symptoms. Rudin C, et al. **Z Kinderchir** 1986 Oct;41(5):287–92

[Neural control of gastrointestinal motility] Roman C. **Gastroenterol Clin Biol** 1987;11(3 Pt 2):27B–34B (30 ref.) (Fre)

[The submucous plexus (Meissner and Schabadasch) in the intestine of pigs. II. Experimental infection with coronaviruses (transmissible gastroenteritis, TGE; epizootic virus diarrhea, EVD) and rotaviruses] Mannl A, et al. **Zentralbl Veterinarmed [A]** 1987 Jan;34(1):69–78 (Eng. Abstr.) (Ger)

[The plexus submucosus (Meissner and Schabadasch) in the pig intestine. I. Light and electron microscopic studies of the normal structure] Mannl A, et al. **Zentralbl Veterinarmed [A]** 1986 Nov;33(9):647–59 (Eng. Abstr.) (Ger)

METABOLISM

The significance of the enterohepatic circulation on the metabolism of digoxin in patients with the ability of intestinal conversion of the drug. Nørregaard–Hansen K, et al. **Acta Med Scand** 1986;220(1):89–92

Sympathetic nervous control of intestinal O2 extraction. Shepherd AP, et al. **Adv Exp Med Biol** 1973;37A:423–8

Dependence of intestinal amino acid uptake on dietary protein or amino acid levels. Karasov WH, et al. **Am J Physiol** 1987 May;252(5 Pt 1):G614–25

Rapid adaptation of intestinal glucose transport: a brush–border or basolateral phenomenon? Karasov WH, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):G54–61

Tyrosine transport in winter flounder intestine: interaction with Na+–K+–2Cl– cotransport. Musch MW, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):R264–9

Studies of gut and hepatic metabolism in conscious rabbits. Pere MC, et al. **Am J Physiol** 1987 May;252(5 Pt 1):E573–80

Comparison of different dietary amino acids as inducers of intestinal amino acid transport. Stein ED, et al. **Am J Physiol** 1987 May;252(5 Pt 1):G626–35

Na microelectrode study of pathways of Na entry into Amphiuma intestinal absorptive cells. White JF, et al. **Am J Physiol** 1987 May;252(5 Pt 1):C505–14

In vivo formation of tritium–labeled lactic acid from [2–3H]mannose or [15–3H]retinol by hamster intestinal epithelial cells. Creek KE, et al. **Arch Biochem Biophys** 1987 May 1;254(2):482–90

Drug transport in intestine, liver and kidney. Schwenk M. **Arch Toxicol** 1987;60(1–3):37–42 (18 ref.)

Heparin induces specific protein release from human intestinal smooth muscle cells. Cochran DL, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):542–51

In vitro synthesis of apo–A–IV and apo–C by liver and intestinal mRNAs from lean and obese Zucker rats. Pessah M, et al. **Biochem Biophys Res Commun** 1987 Jan 15; 142(1):78–85

Intestinal brush border calmodulin: key role in the regulation of NaCl transport in Giardia lamblia infected mice. Ganguly NK, et al. **Biochem Int** 1987 Feb;14(2):249–56

Modulation of lipid fluidity of small– and large–intestinal antipodal membranes by Ca2+. Brasitus TA, et al. **Biochem J** 1986 Nov 1;239(3):625–31

Characterization of solubilized isoquinoline binding sites from rat intestine using 6,7–dimethoxy 4–(4'–amino, 3'[125I]iodobenzyl)isoquinoline. Servin AL, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):957–63

Metabolism of retinol in the intestine and liver. Norum KR, et al. **Biochem Soc Trans** 1986 Oct;14(5):923–5

Expression of bovine intestinal calcium binding protein from a synthetic gene in Escherichia coli and characterization of the product. Brodin P, et al. **Biochemistry** 1986 Sep 23; 25(19):5371–7

Different conformation changes induced by calcium and terbium of the porcine intestinal calcium–binding protein. Chiba K, et al. **Biochemistry** 1987 Feb 10;26(3):711–5

Neurotensin receptors in canine intestinal smooth muscle: preparation of plasma membranes and characterization of (Tyr3–125I)–labelled neurotensin binding. Ahmad S, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):224–38

myo–inositol action on gerbil intestine: alterations in alkaline phosphatase activity upon phosphatidylinositol depletion and repletion in vivo. Chu SW, et al. **Biochim Biophys Acta** 1987 Jul 6;929(2):220–5

Importance of human gastric lipase for intestinal lipolysis: an in vitro study. Gargouri Y, et al. **Biochim Biophys Acta** 1986 Dec 5;879(3):419–23

Nanomolar concentrations of Cd2+ inhibit Ca2+ transport systems in plasma membranes and intracellular Ca2+ stores in intestinal epithelium. Verbost PM, et al. **Biochim Biophys Acta** 1987 Aug 20;902(2):247–52

Origin and utilization of volatile fatty acids and lactate in the rabbit: influence of the faecal excretion pattern. Vernay M. **Br J Nutr** 1987 May;57(3):371–81

Developmental expression of the VIP–gene in brain and intestine. Gozes I, et al. **Brain Res** 1987 Jul;388(2):137–48

The influence of bile on the bioavailability of polynuclear aromatic hydrocarbons from the rat intestine. Rahman A, et al. **Can J Physiol Pharmacol** 1986 Sep;64(9):1214–8

The level of dietary protein and carbohydrate has a different effect on intestinal uptake of hexoses and lipids in rabbits with an ileal resection than in those with an intact intestinal tract. Thomson AB. **Can J Physiol Pharmacol** 1987 Feb; 65(2):219–25

Magnetic polyethyleneimine (PEI) microcapsules as retrievable traps for carcinogen electrophiles formed in the gastrointestinal tract. Povey AC, et al. **Cancer Lett** 1987 Jul;36(1):45–53

Effect of nonprotein thiols in the intestinal tissue on the transport of salicylate. Takahata H, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep;34(9):3823–9

A comparison of intestinal permeability between humans and three common laboratory animals. Delahunty T, et al. **Comp Biochem Physiol [A]** 1987;86(3):565–7

Effect of hypophysectomy on absorption of inorganic phosphate by the eel intestine. Nakamura Y, et al. **Comp Biochem Physiol [A]** 1986;84(4):595–9

Phytosphingosine is a characteristic component of the glycolipids in the vertebrate intestine. Nishimura K. **Comp Biochem Physiol [B]** 1987;86(1):149–54

Intestinal uptake and retention of copper in the suckling rat, Rattus rattus—IV. Mechanisms of intestinal copper accumulation. Holt D, et al. **Comp Biochem Physiol [C]** 1987;86(1):191–200

Intestinal permeability: clinical correlates. Bjarnason I, et al. **Dig Dis** 1986;4(2):83–92 (58 ref.)

Binding of E. coli heat–stable enterotoxin to rat intestinal brush borders and to basolateral membranes. Guarino A, et al. **Dig Dis Sci** 1987 Sep;32(9):1017–26

Distribution and quantitation of gut neuropeptides in normal intestine and inflammatory bowel diseases. Koch TR, et al. **Dig Dis Sci** 1987 Apr;32(4):369–76

Developmental maturation of D–glucose active transport system in rat intestine. Said HM, et al. **Digestion** 1987; 36(4):195–200

Fetal rat intestinal cells in monolayer culture: a new in vitro system to study the glucagon–like immunoreactive peptides. Brubaker PL, et al. **Endocrinology** 1987 May; 120(5):1976–85

Vitamin D–dependent calcium binding proteins in the kidney and intestine of the X–linked hypophosphatemic mouse: changes with age and responses to 1,25–dihydroxycholecalciferol. Bruns ME, et al. **Endocrinology** 1987 Jul;121(1):1–6

Proglucagon processing in a rat islet cell line resembles phenotype of intestine rather than pancreas. Philippe J, et al. **Endocrinology** 1986 Dec;119(6):2833–9

Effect of fluoride on uptake of D–glucose by isolated epithelial cells of rat intestine. Shayiq RM, et al. **Environ Res** 1986 Dec;41(2):388–99

Increase in rat intestinal permeability to endotoxin during hyperthermia. Shapiro Y, et al. **Eur J Appl Physiol** 1986; 55(4):410–2

Eicosanoid formation by mammalian intestine. Effects of some intestinal secretagogues. Capasso F, et al. **Eur J Pharmacol** 1987 Jun 12;138(1):107–13

Pharmacological effects of haem biosynthetic intermediates in isolated intestinal preparations. Cutler MG, et al. **Eur J Pharmacol** 1987 Feb 24;134(3):249–56

The effects of vitamin A nutritional status on glutathione, glutathione transferase and glutathione peroxidase activities in rat intestine. de Waziers I, et al. **Experientia** 1987 Apr 15;43(4):394–5

Fecal excretion of intestinal glycosphingolipids by newborns and young children. Larson G, et al. **FEBS Lett** 1987 Apr 6;214(1):41–4

Effects of protein–free diet in amino acid homeostasis of rat blood plasma and gut contents. Suzić S, et al. **FEBS Lett** 1987 Jun 1;216(2):287–90

Effects of calcium on cadmium uptake and binding in the rat intestine. Hoadley JE, et al. **Fundam Appl Toxicol** 1987 Jul;9(1):1–9

The role of the intestine in the control of cholesterol metabolism. Dietschy JM. **Gastroenterology** 1969 Oct; 57(4):461–4

Intestinal phase of pancreatic enzyme secretion [letter] Fried M. **Gastroenterology** 1987 Aug;93(2):435

Simulation of the metabolism and enterohepatic circulation of endogenous deoxycholic acid in humans using a physiologic pharmacokinetic model for bile acid metabolism. Hofmann AF, et al. **Gastroenterology** 1987 Oct; 93(4):693–709

Corticosteroids and intestinal ion transport. Sandle GI, et al. **Gastroenterology** 1987 Jul;93(1):188–96 (84 ref.)

Intestinal permeability and statistics [letter] Esteve M, et al. **Gut** 1987 Jun;28(6):777

Effect of oxytetracycline administration on intestinal metabolism of oestrogens and on plasma sex hormones in healthy men. Hämäläinen E, et al. **Gut** 1987 Apr; 28(4):439–45

Molecular radii of probes used in studies of intestinal permeability [letter] Jenkins RT, et al. **Gut** 1987 Jan; 28(1):110–1

The gut is a membrane, is a vesicle, is a gut! [editorial] Phillips S. **Gut** 1987 Jun;28(6):650–2

Enterocyte protein processing and synthesis. Alpers DH. **Hepatology** 1987 Jan–Feb;7(1 Suppl):52S–55S

The prognostic value of sulphomucin positive intestinal metaplasia in the development of gastric cancer. Ectors N, et al. **Histopathology** 1986 Dec;10(12):1271–7

Interaction of phlorizin and phloretin with glucose transport system of the pigeon intestine. Patil SD, et al. **Indian J Biochem Biophys** 1986 Aug;23(4):208–11

Association and dissociation of Escherichia coli heat–stable enterotoxin from rat brush border membrane receptors. Cohen MB, et al. **Infect Immun** 1987 Feb;55(2):329–34

Observations on the binding of lanthanides and calcium to vitamin D–dependent chick intestinal calcium–binding protein. Implications regarding calcium–binding protein function. Gross MD, et al. **J Biol Chem** 1987 May 15; 262(14):6539–45

A novel cell line (Caco–2) for the study of intestinal lipoprotein synthesis. Hughes TE, et al. **J Biol Chem** 1987 Mar 15;262(8):3762–7

1,25–Dihydroxyvitamin D3–mediated intestinal calcium transport. Biochemical identification of lysosomes containing calcium and calcium–binding protein (calbindin–D28K). Nemere I, et al. **J Biol Chem** 1986 Dec 5;261(34):16106–14

The 110–kD protein–calmodulin complex of the intestinal microvillus is an actin–activated MgATPase. Conzelman KA, et al. **J Cell Biol** 1987 Jul;105(1):313–24

Cytochalasin–B–binding proteins related to glucose transport across the basolateral membrane of the intestinal epithelial cell. Uezato T, et al. **J Cell Sci** 1986 Sep;85:177–85

Luminal alkalinization in the intestine of the goby. Dixon JM, et al. **J Comp Physiol [B]** 1986;156(6):803–11

Dietary fat inhibits the intestinal metabolism of the carcinogen benzo[a]pyrene in fish. Van Veld PA, et al. **J Lipid Res** 1987 Jul;28(7):810–7

Effects of adrenal steroids on Na transport in the lower intestine (coprodeum) of the hen. Clauss W, et al. **J Membr Biol** 1987;96(2):141–52

Evidence for facilitated transport of biotin by hamster enterocytes. Gore J, et al. **J Nutr** 1987 Mar;117(3):527–32

Acute effect of ethanol on intestinal calcium transport. Krishnamra N, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Apr;32(2):229–36

Effect of dietary vitamin D3 and cadmium on the lipid composition of rat intestinal brush border membranes. Tsuruki F, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Apr; 32(2):191–204

Intestinal permeability to 51Cr–EDTA and 125I–egg albumin in gerbils infected with Trichostrongylus colubriformis. Sinski E, et al. **J Parasitol** 1987 Apr;73(2):423–4

Enteric protein loss measured by fecal alpha 1–antitrypsin clearance in the assessment of Crohn's disease activity: a study of children and adolescents. Griffiths AM, et al. **J Pediatr Gastroenterol Nutr** 1986 Nov–Dec;5(6):907–11

D–xylose transport in human intestine [letter] Heyman M, et al. **J Pediatr Gastroenterol Nutr** 1986 Nov–Dec;5(6):997

In vivo intestinal uptake of immunoreactive bovine albumin in piglet enteritis. Keljo DJ, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan–Feb;6(1):135–40

Lactulose–rhamnose intestinal permeability in children with cystic fibrosis. Leclercq–Foucart J, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan–Feb;6(1):66–70

Saturable uptake of cefixime, a new oral cephalosporin without an alpha–amino group, by the rat intestine. Tsuji A, et al. **J Pharm Pharmacol** 1987 Apr;39(4):272–7

Conjugation of salicylamide in the intestinal wall of dogs and rabbits. Podder SK, et al. **J Pharmacobiodyn** 1986 Nov; 9(11):917–22

Characterization of steroid receptors in the gut and kidney of the frog (Rana catesbeiana) and in the gut of the turtle (Chrysemys picta). Mehi AZ, et al. **J Steroid Biochem** 1987 May;26(5):627–39

1,25–Dihydroxyvitamin D3 receptor replenishment in the chicken intestine. Radparvar S, et al. **J Steroid Biochem** 1986 Sep;25(3):291–8

Intestinal accumulation of urea in germ–free animals—a factor in caecal enlargement. Juhr NC, et al. **Lab Anim** 1986 Jul;20(3):238–41

Development of active and passive transport of bile acids in rabbit intestine. Thomson AB, et al. **Mech Ageing Dev** 1987 May;38(3):277–86

Inhibitory and stimulatory effects of dexamethasone and 1,25–dihydroxyvitamin D3 on chick intestinal calbindin–D28K and its mRNA. Hall AK, et al. **Mol Cell Endocrinol** 1987 May;51(1–2):25–31

Physicochemical properties of the triiodothyronine nuclear

receptor from tadpole liver, intestine and tail fin. Jaffe RC. **Mol Cell Endocrinol** 1987 Jul;52(1–2):137–42

Dual tissue–specific expression of apo–AII is directed by an upstream enhancer. Shelley CS, et al. **Nucleic Acids Res** 1987 May 11;15(9):3801–21

Differential regional changes of prostacyclin and thromboxane A2 synthesis in the intestinal tract of the fasted and semistarved rat. Jeremy JY, et al. **Pflugers Arch** 1987 Jan;408(1):68–72

Calcium transport by permeabilised rabbit small intestinal epithelial cells. Sepúlveda FV, et al. **Pflugers Arch** 1987 Mar;408(3):231–8

Influence of glucose absorption on ion activities in cells and submucosal space in goldfish intestine. Zuidema T, et al. **Pflugers Arch** 1986 Sep;407(3):292–8

Intestinal absorption of copper: effect of sodium. Wapnir RA, et al. **Proc Soc Exp Biol Med** 1987 Jul;185(3):277–82

Ontogeny of glucagon–like immunoreactive peptides in rat intestine. Brubaker PL. **Regul Pept** 1987 Jun;17(6):319–26

Defined formula diets alter jejunal and colonic uptake of lipids in rabbits with intact intestinal tract and following ileal resection. Thomson AB. **Res Exp Med (Berl)** 1986; 186(6):413–26

Effects of agar and Ficus awkeotsang makino on mucin degradation and intestinal permeability of phenol red in rats. Shiau SY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Sep;85(9):869–77

Role of intestinal flora in metabolism of agrochemicals conjugated with glutathione. Bakke JE, et al. **Xenobiotica** 1986 Oct–Nov;16(10–11):1047–56 (41 ref.)

[Ammonia and glutamine metabolism of the intestine. The effect of lactulose and neomycin] Soeters PB, et al. **Infusionsther Klin Ernahr** 1986 Aug;13(4):186–90 (Eng. Abstr.) (Ger)

[Endogenous urea in the intestinal tract and its significance in nitrogen metabolism in ruminants] Várady J, et al. **Vet Med (Praha)** 1987 Apr;32(4):195–200 (Eng. Abstr.) (Slo)

MICROBIOLOGY

Effect of intestinal flora modulation by oral polymyxin treatment on hemopoietic stem cell kinetics in mice. Goris H, et al. **Acta Haematol (Basel)** 1986;76(1):44–9

Enteropathogenic mechanisms of intestinal spirochetes [letter] Fumarola D. **Am J Clin Pathol** 1987 Aug;88(2):253

Modulation of rotavirus enteritis during breast–feeding. Implications on alterations in the intestinal bacterial flora. Duffy LC, et al. **Am J Dis Child** 1986 Nov;140(11):1164–8

Translocation of strictly anaerobic bacteria from the intestinal tract to the mesenteric lymph nodes in gnotobiotic rodents. Debure A, et al. **Ann Inst Pasteur Microbiol** 1987 Mar–Apr; 138(2):213–21

Normal human intestinal flora. Finegold SM. **Ann Ist Super Sanita** 1986;22(3):731–7

Biochemical methods and experimental models for studying the intestinal flora. Gorbach SL. **Ann Ist Super Sanita** 1986; 22(3):739–47

Antimicrobial agents and the human oropharyngeal and intestinal microflora. Nord CE, et al. **Ann Ist Super Sanita** 1986;22(3):883–92

Colonization resistance and preoperative preparation of patients for colorectal surgery. Van den Bogaard AE, et al. **Ann Ist Super Sanita** 1986;22(3):911–4

Selective gut decontamination with nalidixic acid or trimethoprim–sulfamethoxazole for infection prophylaxis in neutropenic cancer patients: relationship of efficacy to antimicrobial spectrum and timing of administration. Bow EJ, et al. **Antimicrob Agents Chemother** 1987 Apr; 31(4):551–7

Antibiotic residues and drug resistance in human intestinal flora. Corpet DE. **Antimicrob Agents Chemother** 1987 Apr; 31(4):587–93

Bowel flora changes in humans receiving cefixime (CL 284,635) or cefaclor. Finegold SM, et al. **Antimicrob Agents Chemother** 1987 Mar;31(3):443–6

Effect of broad–spectrum parenteral antibiotics on composition of intestinal microflora of humans. Giuliano M, et al. **Antimicrob Agents Chemother** 1987 Feb; 31(2):202–6

Epidemiology of intestinal colonization by members of the family Enterobacteriaceae resistant to cefotaxime in a hematology–oncology unit. Prevot MH, et al. **Antimicrob Agents Chemother** 1986 Dec;30(6):945–7

Bacteroides pectinophilus sp. nov. and Bacteroides galacturonicus sp. nov.: two pectinolytic bacteria from the human intestinal tract. Jensen NS, et al. **Appl Environ Microbiol** 1986 Oct;52(4):880–7

Role of the macrophage in the translocation of intestinal bacteria. Wells CL, et al. **Arch Surg** 1987 Jan;122(1):48–53

Mutagen activation by hepatic fractions from conventional, germfree and monoassociated rats. Rowland IR, et al. **Arch Toxicol [Suppl]** 1987;11:261–3

Intestinal replication of influenza A viruses in two mammalian species. Brief report. Kawaoka Y, et al. **Arch Virol** 1987;93(3–4):303–8

Demonstration of rotavirus and rotavirus–like virus in the intestinal contents of diarrheic pheasant chicks. Reynolds DL, et al. **Avian Dis** 1987 Apr–Jun;31(2):376–9

The role of intestinal flora in metabolism of phenolic sulfate esters. Kim DH, et al. **Biochem Pharmacol** 1986 Oct 15; 35(20):3507–10

Antagonistic effect exerted by three strictly anaerobic strains against various strains of Clostridium perfringens in gnotobiotic rodent intestines. Yurdusev N, et al. **Can J Microbiol** 1987 Mar;33(3):226–31

Enterococci and aminoglycosides: evaluation of susceptibility and synergism of their combination with piperacillin. Stefani S, et al. **Chemioterapia** 1987 Feb;6(1):12–6

Dietary fibre and the gut microflora—their effects on toxicity. Rowland IR, et al. **Dev Toxicol Environ Sci** 1986; 12:125–38 (41 ref.)

Rapid disappearance from the intestinal tract of bacteria resistant to rifaximin. De Leo C, et al. **Drugs Exp Clin Res** 1986;12(12):979–81

Influence of antibiotics on intestinal mucin in healthy subjects. Carlstedt–Duke B, et al. **Eur J Clin Microbiol** 1986 Dec;5(6):634–8

Electron microscopy studies of human intestinal spirochetes. Dettori G, et al. **Eur J Epidemiol** 1987 Jun;3(2):187–95

The use of continuous flow systems for studying the metabolic activity of the hindgut microflora in vitro. Mallett AK, et al. **Food Chem Toxicol** 1986 Jun–Jul; 24(6–7):743–7

The protective effect of a reduction in intestinal flora on mortality of acute haemorrhagic pancreatitis in the rat. Lange JF, et al. **Hepatogastroenterology** 1987 Feb; 34(1):28–30

Aromatic alpha–glycosides of mannose are powerful inhibitors of the adherence of type 1 fimbriated Escherichia coli to yeast and intestinal epithelial cells. Firon N, et al. **Infect Immun** 1987 Feb;55(2):472–6

Demonstration of a flagellar antigen shared by a diverse group of spiral–shaped bacteria that colonize intestinal mucus. Lee A, et al. **Infect Immun** 1987 Mar;55(3):828–31

Role of volatile fatty acids in colonization resistance to Clostridium difficile in gnotobiotic mice. Su WJ, et al. **Infect Immun** 1987 Jul;55(7):1686–91

Comparative translocation of enteropathogenic Campylobacter spp. and Escherichia coli from the intestinal tract of gnotobiotic mice. Youssef M, et al. **Infect Immun** 1987 Apr;55(4):1019–21

Characterization and DNA homology of Lactobacillus strains isolated from pig intestine. Axelsson L, et al. **J Appl Bacteriol** 1987 May;62(5):433–40

Gut flora in HLA B27 related reactive arthropathy. Gupta NR, et al. **J Assoc Physicians India** 1986 Sep;34(9):634–6

Gas chromatographic technique to simultaneously quantitate the gases produced by intestinal microorganisms from fermentation mixtures. Ross LF. **J Chromatogr** 1987 Mar 6;414(2):405–10

Normalizing effect of immunoglobulins in the treatment of endogenous infection and intestinal dysbacteriosis in irradiated mice. Klemparskaya NN, et al. **J Hyg Epidemiol Microbiol Immunol** 1987;31(1):91–8

Colonization, virulence, and mucosal interaction of an enteropathogenic Escherichia coli (strain RDEC–1) expressing shigella somatic antigen in the rabbit intestine. Inman LR, et al. **J Infect Dis** 1986 Nov;154(5):742–51

Menaquinone production and utilization in germ–free rats after inoculation with specific organisms. Kindberg C, et al. **J Nutr** 1987 Jun;117(6):1032–5

Maintenance nitrogen requirements and intestinal microorganisms in rats. Nipper WA, et al. **J Nutr** 1987 Feb;117(2):335–41

Influence of an estrone–desulfating intestinal flora on the enterohepatic circulation of estrone–sulfate in rats. van Eldere J, et al. **J Steroid Biochem** 1987 Feb;26(2):235–9

Endotoxin but not malnutrition promotes bacterial translocation of the gut flora in burned mice. Deitch EA, et al. **J Trauma** 1987 Feb;27(2):161–6

Bacterial contamination of enteral nutrient solutions: intestinal colonization and sepsis in mice after ingestion. Van Enk RA, et al. **JPEN J Parenter Enteral Nutr** 1986 Sep–Oct;10(5):503–7

Intestinal bacteria antagonistic to Clostridium difficile in mice. Itoh K, et al. **Lab Anim** 1987 Jan;21(1):20–5

Colonization resistance against Pseudomonas aeruginosa in gnotobiotic mice. Itoh K, et al. **Lab Anim** 1986 Jul; 20(3):197–201

Influence of intestinal microflora on the tryptic activity during lactation in rats. Norin KE, et al. **Lab Anim** 1986 Jul;20(3):234–7

Gastrointestinal pH measurement in rats: influence of the microbial flora, diet and fasting. Ward FW, et al. **Lab Anim** 1987 Jul;21(3):216–22

Bowel flora and ankylosing spondylitis [editorial] **Lancet** 1986 Nov 29;2(8518):1259

The influence of the intestinal microflora on the relative thymus weight. van der Waaij D. **Med Microbiol Immunol (Berl)** 1986;175(6):335–40

Intestinal flora, carcinomata and erythrocytes evoke anti–Tn antibodies. Desai PR, et al. **Naturwissenschaften** 1987 May; 74(5):247–8

Digoxin inactivation by the gut flora in infancy and childhood. Linday L, et al. **Pediatrics** 1987 Apr;79(4):544–8

Evaluation of some commercial media for the cultivation and enumeration of Clostridium perfringens from the chick intestine. Dafwang II, et al. **Poult Sci** 1987 Apr;66(4):652–8

The metabolism of the intestinal microflora and its relationship to dietary fat, colon and breast cancer. Goldin BR. **Prog Clin Biol Res** 1986;222:655–85 (105 ref.)

Pharmacokinetic differentiation and consequences for normal microflora. Bergan T. **Scand J Infect Dis [Suppl]** 1986; 49:91–9 (29 ref.)

Bengt E. Gustafsson memorial lecture. Function of the normal human microflora. Gorbach SL. **Scand J Infect Dis [Suppl]** 1986;49:17–30 (81 ref.)

Effects of antimicrobial agents upon the functional part of the intestinal flora. Midtvedt T. **Scand J Infect Dis [Suppl]** 1986;49:85–8 (4 ref.)

Antimicrobial induced alterations of the human oropharyngeal and intestinal microflora. Nord CE, et al. **Scand J Infect Dis [Suppl]** 1986;49:64–72 (32 ref.)

Effect of beta–lactam prodrugs on human intestinal microflora. Sjövall J, et al. **Scand J Infect Dis [Suppl]** 1986; 49:73–84 (28 ref.)

Anaerobic bacteria of the normal intestinal microflora of animals. Barnes EM. **Soc Appl Bacteriol Symp Ser** 1986; 13:225–38 (60 ref.)

Probiotics. Fuller R. **Soc Appl Bacteriol Symp Ser** 1986; 15:1S–7S (31 ref.)

Current progress in reducing salmonella colonization of poultry by 'competitive exclusion'. Mead GC, et al. **Soc Appl Bacteriol Symp Ser** 1986;15:67S–75S (44 ref.)

Selection of hypotoxigenic Vibrio cholerae population by human intestinal bacteria in gnotobiotic mice. Watanabe S, et al. **Tokai J Exp Clin Med** 1986 Aug;11(3):155–62

Selective bowel decontamination to prevent gram–negative bacterial and fungal infection following orthotopic liver transplantation. Wiesner RH, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2420–3

Attaching and effacing bacteria in the intestines of calves and cats with diarrhea. Pospischil A, et al. **Vet Pathol** 1987 Jul;24(4):330–4

The reduction of sulphinpyrazone and sulindac by intestinal bacteria. Strong HA, et al. **Xenobiotica** 1987 Jun; 17(6):685–96

Comparison of the aerobic and facultative anaerobic microflora of Syrian and Djungarian dwarf hamsters. Herweg C, et al. **Z Versuchstierkd** 1987;29(3–4):149–55

[Transfer of R plasmids between Shigella and E. coli strains in the intestine of patients with acute shigellosis] Li LJ, et al. **Chung Hua I Hsueh Tsa Chih** 1986 Dec;66(12):713–7, 774 (Eng. Abstr.) (Chi)

[Implantation of Clostridium difficile in infants during antibiotherapy] Collignon A, et al. **Pathol Biol (Paris)** 1987 May;35(5):590–4 (Eng. Abstr.) (Fre)

[Intestinal decontamination in the neutropenic patient. Apropos of a prospective randomized study] Pellegrin JL, et al. **Pathol Biol (Paris)** 1986 Jun;34(5 Pt 2):676–9 (Eng. Abstr.) (Fre)

[Use of ergotropic substances as stabilizers of intestinal flora] Hennig A, et al. **Arch Exp Veterinarmed** 1986 Sep; 40(5):639–45 (Eng. Abstr.) (Ger)

[Ecologic studies of the nourseothricin resistance of coliform bacteria of intestinal flora in humans and animals] Hummel R, et al. **Arch Exp Veterinarmed** 1986 Sep;40(5):670–5 (Eng. Abstr.) (Ger)

[Development of the resistance of Escherichia coli to streptothricins (nourseothricin, grisin)] Tschäpe H, et al. **Arch Exp Veterinarmed** 1986 Sep;40(5):658–69 (Eng. Abstr.) (Ger)

[Intestinal bacterial flora in normal and pathologic conditions. International meeting. Rome, 16–18 October 1985. Proceedings] **Ann Ist Super Sanita** 1986;22(3):725–1154 (Ita)

[Application of a miniaturized system to the study of the intestinal microflora] Babudieri S, et al. **Ann Ist Super Sanita** 1986;22(3):751–4 (Eng. Abstr.) (Ita)

[Normal intestinal flora in children and their changes in pathological conditions] Gianfrilli PM. **Ann Ist Super Sanita** 1986;22(3):783–9 (Eng. Abstr.) (Ita)

[Flora: changes and resistance to colonization in healthy volunteers treated with broad–spectrum antibiotics] Giuliano M, et al. **Ann Ist Super Sanita** 1986;22(3):905–9 (Eng. Abstr.) (Ita)

[Factors influencing the normal intestinal flora] Panichi G. **Ann Ist Super Sanita** 1986;22(3):771–81 (Eng. Abstr.) (Ita)

[Influence of cefroxadine dry syrup on intestinal bacterial flora] Iwata S, et al. **Jpn J Antibiot** 1986 Aug;39(8):1967–74 (Eng. Abstr.) (Jpn)

[Intestinal microflora of patients with antibiotic–associated hemorrhagic colitis associated with Klebsiella oxytoca and Clostridium difficile enterotoxin] Chida T, et al. **Kansenshogaku Zasshi** 1986 Jun;60(6):608–15 (Eng. Abstr.) (Jpn)

[The effect of cefixime (CFIX) on intestinal bacterial flora] Iwata S, et al. **Kansenshogaku Zasshi** 1986 Jun;60(6):549–73 (Eng. Abstr.) (Jpn)

[Relationship between sepsis and intestinal flora in immuno–compromised children] Sakata H, et al. **Kansenshogaku Zasshi** 1986 Mar;60(3):231–8 (Eng. Abstr.) (Jpn)

[Drug resistance of bacteria and countermeasures—current status of resistance. 2. Intestinal bacteria] Hashimoto H, et al. **Nippon Rinsho** 1986 Apr;44(4):968–72 (7 ref.) (Jpn)

[Tissue affinity of pathogens: invasion of pathogens—intestines] Okamura N. **Nippon Rinsho** 1986 Sep;44(9):1937–41 (16 ref.) (Jpn)

[Reduction of nitrazepam and nimetazepam with enteric bacteria] Kuroiwa M, et al. **Yakugaku Zasshi** 1986 May; 106(5):414–9 (Eng. Abstr.) (Jpn)

[Reduction of nicardipine, calcium antagonist, with enteric bacteria] Kuroiwa M, et al. **Yakugaku Zasshi** 1986 Aug; 106(8):698–702 (Eng. Abstr.) **(Jpn)**

[Effects of early administration of bifidobacterin on the composition of the intestinal microflora of newborn infants in an intensive care unit] Kudinova TI, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):59–61 **(Rus)**

[The adhesive capacity of representative intestinal microflora in the continuous and split oral administration of cephalexin and erythromycin] Gorskaia EM, et al. **Antibiot Med Biotekhnol** 1987 Mar;32(3):210–3 (Eng. Abstr.) **(Rus)**

[Metabolites of the intestinal microflora in the diagnosis of intestinal dysbacteriosis] Tamm AO, et al. **Antibiot Med Biotekhnol** 1987 Mar;32(3):191–5 (19 ref.) (Eng. Abstr.) **(Rus)**

[Intestinal dysbacteriosis and its clinical significance] Beiul EA, et al. **Klin Med (Mosk)** 1986 Nov;64(11):37–44 **(Rus)**

[Status of the microflora of the intestine in combined bacterio–viral infections] Shvalko AD, et al. **Tr Inst Pastera** 1985;63:130–2 **(Rus)**

[Significance of the rate of isolation of Klebsiella, Enterobacter, Citrobacter and intestinal Yersinia in bacteriological research] Bondarenko VM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jun;(6):74–8 **(Rus)**

[Effect of intestinal microflora on the pathogenesis of cholera intoxication] Nazarova LS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Oct;(10):96–9 (Eng. Abstr.) **(Rus)**

[Ultrastructural study of intestinal bacteria grown on Endo– and Levine–type nutrient media based on nonfood raw materials] Pivovarova NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Oct;(10):27–9 (Eng. Abstr.) **(Rus)**

[Determination of the inhibitory effect of a biologically active preparation on the reproduction of micro–organisms from the intestines of ruminants] Novák S, et al. **Vet Med (Praha)** 1987 Jun;32(6):337–42 (Eng. Abstr.) **(Slo)**

[Interrelations between intestinal protozoa and yeasts of mice] Magaró HM, et al. **Bol Chil Parasitol** 1985 Jan–Jun; 40(1–2):7–13 (Eng. Abstr.) **(Spa)**

[Does Giardia lamblia favor the proliferation of intestinal bacteria?] Vega–Franco L, et al. **Bol Med Hosp Infant Mex** 1986 Oct;43(10):618–21 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Detection of hemagglutinins in cultures of squirrel monkey intestinal trichomonads. Pindak FF, et al. **J Clin Microbiol** 1987 Apr;25(4):609–14

Effects of the histamine H2 antagonist, cimetidine, on murine resistance to the intestinal nematode Nippostrongylus brasiliensis. McElroy PJ, et al. **J Parasitol** 1987 Jun; 73(3):666–8

Host age and sex in relation to intestinal helminths of bobwhite quail. Moore J, et al. **J Parasitol** 1987 Feb; 73(1):230–3

Intestinal pathology and site specificity of the acanthocephalan Neoechinorhynchus carpiodi Dechtiar, 1968, in quillback, Carpiodes cyprinus (Lesueur). Szalai AJ, et al. **J Parasitol** 1987 Jun;73(3):467–75

Rumen ophryoscolecid protozoa in the hindgut of the capybara (Hydrochoerus hydrochaeris). Dehority BA. **J Protozool** 1987 May;34(2):143–5

On the infection of Baltic cod (Gadus morhua L.) by the acanthocephalan Echinorhynchus gadi (Zoega) Müller. Buchmann K. **Nord Vet Med** 1986 Sep–Oct;38(5):308–14

Synchronised division of coccidia and their host cells in the ovine intestine. Gregory MW, et al. **Parasitol Res** 1987; 73(4):384–6

The intestinal phase of development of different Trichinella species in white laboratory mice. Shaikenov B, et al. **Wiad Parazytol** 1986;32(3):233–41

PATHOLOGY

Analysis of intestinal lymphocyte subpopulations in patients with acquired immunodeficiency syndrome (AIDS) and AIDS–related complex. Ellakany S, et al. **Am J Clin Pathol** 1987 Mar;87(3):356–64

Pathogenesis of rotavirus infection in various age groups of chickens and turkeys: pathology. Yason CV, et al. **Am J Vet Res** 1987 Jun;48(6):927–38

The relationship between intestinal crypt cell production and intestinal water absorption measured in vitro in the rat. Goodlad RA, et al. **Clin Sci** 1987 Mar;72(3):297–304

Intestinal metaplasia and gastric cancer [letter] Jass JR. **Histopathology** 1987 Aug;11(8):881

Intestinal metaplasia and its variants in the gastric mucosa of Portuguese subjects: a comparative analysis of biopsy and gastrectomy material. Silva S, et al. **Hum Pathol** 1986 Oct;17(10):988–95

Dilated fetal bowel. A sonographic sign of cystic fibrosis. Nyberg DA, et al. **J Ultrasound Med** 1987 May;6(5):257–60

Host age and genotypic effects on enterotropic mouse hepatitis virus infection. Barthold SW. **Lab Anim Sci** 1987 Feb;37(1):36–40

[Intestinal distention during elective abdominal surgery: should nitrous oxide be banished?] Boulanger A, et al. **Can J Anaesth** 1987 Jul;34(4):346–50 (Eng. Abstr.) **(Fre)**

[Clostridium perfringens type C enterotoxemia (necrotizing enteritis) of suckling pigs. 3. Light and electron microscopic studies of the pathology and pathogenesis of experimental Clostridium perfringens type C infection] Johannsen U, et al. **Arch Exp Veterinarmed** 1986 Nov; 40(6):895–909 (Eng. Abstr.) **(Ger)**

[Clostridium perfringens type C enterotoxemia (necrotizing enteritis) in suckling pigs. 2. Light and electron microscopic studies of the pathology and pathogenesis of experimental Clostridium perfringens type C toxin poisoning] Johannsen U, et al. **Arch Exp Veterinarmed** 1986 Nov;40(6):881–94 (Eng. Abstr.) **(Ger)**

[Regional necrosis of the intestinal wall without vascular occlusion] Jung D, et al. **Zentralbl Chir** 1987;112(6):379–82 **(Ger)**

[Perforation and incarceration of umbilical hernia in cirrhosis with ascites] Mittelman M, et al. **Harefuah** 1987 Apr 1; 112(7):336–7 (Eng. Abstr.) **(Heb)**

[Intestinal lesions in acute respiratory viral and mycoplasma infections] Shastina GV. **Arkh Patol** 1986;48(12):22–9 (Eng. Abstr.) **(Rus)**

[Morphologic manifestations of intestinal lesions of bacterial and mycotic etiology developing in association with acute respiratory infections] Shastina GV. **Arkh Patol** 1987; 49(3):37–44 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Brain–gut interactions: brain stem neuronal response to local gastric effects of substance P. Barber WD, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):G369–77

Bowel sounds during intermittent positive pressure ventilation [letter] Shelly MP, et al. **Anaesthesia** 1987 Feb; 42(2):207–9

Changes in the apparent chloride permeability of Necturus enterocytes during the sodium–coupled transport of alanine. Giráldez F, et al. **Biochim Biophys Acta** 1987 Apr 9;898(2):248–52

The inhibition of feeding produced by direct intraintestinal infusion of glucose: is this satiety? McHugh PR, et al. **Brain Res Bull** 1986 Sep;17(3):415–8

The relationship between motor activity and transmural potential difference in the guinea pig intestine in vitro: is there a neural link? Greenwood B, et al. **Can J Physiol Pharmacol** 1986 Jul;64(7):993–8

Intestinal gas formation and the use of breath measurements to monitor the influence of diet and disease. Brydon WG, et al. **Dig Dis** 1986;4(1):1–12 (81 ref.)

Effect of wheat bran on bowel function and fecal calcium in older adults. Balasubramanian R, et al. **J Am Coll Nutr** 1987 Jun;6(3):199–208

Technical elaboration of a model for combined electromyographic radiological investigation of small bowel activity in the dog. Ceuterick L, et al. **J Belge Radiol** 1987;70(2):103–8

Studies on the putative role of gamma–glutamyl transpeptidase in intestinal transport of amino acids in Atlantic salmon. Bell JG, et al. **J Comp Physiol [B]** 1987; 157(2):161–9

Mobile nylon bag for estimating intestinal availability of rumen undegradable protein. de Boer G, et al. **J Dairy Sci** 1987 May;70(5):977–82

The involvement of basolateral potassium channels in the intestinal response to secretagogues in the rat. Hardcastle J, et al. **J Physiol (Lond)** 1986 Oct;379:331–45

The physiology of intestinal oxygenation and the pathophysiology of intestinal ileus. Malone PC. **Med Hypotheses** 1987 Feb;22(2):111–57 (90 ref.)

Modulatory effect of the gastrointestinal tract (gut) on fibrinolysis and fibrinogen derivatives. Stadnicki A, et al. **Scand J Gastroenterol** 1987 Jun;22(5):539–42

Effect of ileo–jejunal transposition on intestinal adaptation after total colectomy in dogs. Sasaki I, et al. **Tohoku J Exp Med** 1987 Apr;151(4):419–28

Downwind update—a discourse on matters gaseous [clinical conference] Altman F. **West J Med** 1986 Oct;145(4):502–5 (14 ref.)

PHYSIOPATHOLOGY

The gut and RA [letter] Bjarnason I, et al. **Br J Rheumatol** 1987 Feb;26(1):67–70

Increased intrinsic pumping of intestinal lymphatics following hemorrhage in anesthetized sheep. Hayashi A, et al. **Circ Res** 1987 Feb;60(2):265–72

Studies of intestinal permeability in inflammatory diseases using polyethylene glycol 400. Jenkins RT, et al. **Clin Biochem** 1986 Oct;19(5):298–302

Fundal perforation complicating the gas–bloat syndrome. Harvey CF, et al. **J R Coll Surg Edinb** 1986 Jun;31(3):183–4

[Intestinal function following different types of vagotomy] Shvarts VIa, et al. **Vrach Delo** 1986 Nov;(11):58–61 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Hypokalemic myopathy associated with radiation enteropathy. Murai K, et al. **Eur Neurol** 1986;25(6):444–7

Radiobiology and stathmokinetics of intestinal crypts associated with patches of Peyer. Maunda KK, et al. **Int J Radiat Biol** 1987 Feb;51(2):255–64

Radiation–induced bowel damage following treatment for uterine carcinoma [letter] Hudson CN. **J R Soc Med** 1987 May;80(5):327–8

The assessment of recovery of the intestine after acute radiation injury. Baer AR, et al. **Radiat Res** 1987 Feb; 109(2):319–29

Comparison of intestine and bone marrow radiosensitivity of the BALB/c and the C57BL/6 mouse strains and their B6CF1 offspring. Hanson WR, et al. **Radiat Res** 1987 Jun; 110(3):340–52

Therapy of radiation bowel damage [letter] Lichtigfeld FJ. **S Afr Med J** 1987 Apr 4;71(7):467

[Early cell repair of the lung and the intestine in mice, after irradiation by fast neutrons and gamma rays] Grégoire V, et al. **C R Soc Biol (Paris)** 1986;180(3):372–8 (Eng. Abstr.) **(Fre)**

[Radiogenic damage of the intestine—diagnosis and therapy] Kujath P, et al. **Chirurg** 1986 Sep;57(9):573–8 (Eng. Abstr.) **(Ger)**

[Unwanted sequelae of irradiation in the intestinal tract—pathogenesis, diagnosis, therapy] Winkeltau G, et al. **Langenbecks Arch Chir** 1986;368(1):29–40 (Eng. Abstr.) **(Ger)**

[Diagnosis and therapy of late intestinal radiation sequelae] Winkeltau G, et al. **Leber Magen Darm** 1987 Feb; 17(1):37–8, 41–2, 45–6 (Eng. Abstr.) **(Ger)**

[Reversible functional disorders of the intestinal tract caused by abdominal radiotherapy] Ruppin H, et al. **Z Gastroenterol** 1987 May;25(5):261–9 (Eng. Abstr.) **(Ger)**

[Radiation–induced intestinal injuries] Frasson P, et al. **Minerva Med** 1987 Mar 31;78(6):355–60 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Analysis of the tethered–bowel sign on abdominal CT as a predictor of malignant ascites. Seltzer SE. **Gastrointest Radiol** 1987;12(3):245–9

Imaging of the bowel wall. Computed tomography and fat density oral–contrast agent in an animal model. Raptopoulos V, et al. **Invest Radiol** 1986 Nov;21(11):847–50

[Congenital hypothyroidism—a diagnosis made by abdominal x–ray?] Schneider K, et al. **Monatsschr Kinderheilkd** 1986 Dec;134(12):887–8 (Eng. Abstr.) **(Ger)**

[The gasless, "white" abdomen in neonatal intensive care] Preuss HJ, et al. **Radiol Diagn (Berl)** 1987;28(1):35–8 (Eng. Abstr.) **(Ger)**

[Study of intestinal transit time using radiopaque markers: a simple current method] Brogna A, et al. **G Clin Med** 1987 Jan;68(1):13–5 (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

Radionuclide tests for the assessment of intestinal permeability. Behrens RH, et al. **Eur J Clin Invest** 1987 Apr;17(2):100–5

Evaluation of bowel preparation methods for gallium scanning. Sorandes T, et al. **Radiol Technol** 1978 Sep–Oct; 50(2):117–20

SURGERY

Use of the mesentery and mucous membrane–free intestine wall in intestine surgery. Komarov IA, et al. **Acta Chir Plast** 1986;28(3):183–91

Gastrointestinal anastomotic healing during treatment with perioperative 5–fluorouracil. Lelcuk S, et al. **Am J Clin Oncol** 1987 Aug;10(4):317–9

Surgical aspects of gastrointestinal persimmon phytobezoar treatment. Krausz MM, et al. **Am J Surg** 1986 Nov; 152(5):526–30

Tissue adhesives and intestinal anastomosis. Nordkild P, et al. **Ann Chir Gynaecol** 1986;75(4):205–8 (21 ref.)

Growth of neomucosa after intestinal resection. Thompson JS. **Arch Surg** 1987 Mar;122(3):316–9

A cytokinetic study of small–intestinal and colonic mucosa after resection of 70% of the small intestine. Senior PV, et al. **Cell Tissue Kinet** 1986 Sep;19(5):491–502

Nutritional and metabolic consequences of extensive bowel resection. Andersson H, et al. **Dig Dis** 1986;4(4):193–202 (30 ref.)

Classic articles in colonic and rectal surgery. Oscar Huntington Allis 1836–1921. Intestinal anastomosis with suturing of the entire thickness of the intestinal wall. Method and Instruments [published erratum appears in Dis Colon Rectum 1987 Jan;30(1):71] **Dis Colon Rectum** 1986 Nov;29(11):776–9

Strategies for preserving intestinal length in the short–bowel syndrome. Thompson JS. **Dis Colon Rectum** 1987 Mar; 30(3):208–13

Development of hepatic cholestasis and fibrosis in patients with massive loss of intestine supported by prolonged parenteral nutrition. Stanko RT, et al. **Gastroenterology** 1987 Jan;92(1):197–202

The safety and cost–effectiveness of polyethylene glycol electrolyte solution bowel preparation in infants and children. Tuggle DW, et al. **J Pediatr Surg** 1987 Jun; 22(6):513–5

Re: Augmentation and substitution enterocystoplasty [letter] Walsh A. **J Urol** 1987 May;137(5):1008

The use of staplers in equine intestinal surgery. van der Velden MA, et al. **Vet Rec** 1987 Feb 28;120(9):201–4

[Enterocystoplasty in the treatment of neurological bladders. Can the results be improved?] Guys JM, et al. **Chir Pediatr** 1986;27(3):124–7 (Eng. Abstr.) **(Fre)**

[Use of intestinal segments for bladder reconstruction in children] Oesch I. **Ther Umsch** 1986 Nov;43(11):821–3 (Eng. Abstr.) **(Ger)**

[Use of single-row sutures in anastomoses of the gastrointestinal tract] Myshkin KI, et al. **Sov Med** 1987; (2):78–80 **(Rus)**

[Interintestinal anastomoses using suturing devices (a review of the foreign literature)] Rivkin VL, et al. **Sov Med** 1986; (9):67–70 (55 ref.) **(Rus)**

[Experience in using the laser in surgery of the esophagus and intestines] Chernousov AF, et al. **Vestn Akad Med Nauk SSSR** 1987;(5):61–5 (Eng. Abstr.) **(Rus)**

[Efficacy of using the laser scalpel in operations on the stomach and intestines] Skobelkin OK, et al. **Vestn Khir** 1986 Jul;137(7):15–20 (Eng. Abstr.) **(Rus)**

[Therapeutic-decompression Y-shaped stoma during intestinal resection] Sumin VV, et al. **Vestn Khir** 1986 Dec; 137(12):81–6 **(Rus)**

TRANSPLANTATION

Influence of intestinal segment and configuration on the outcome of augmentation enterocystoplasty. Sidi AA, et al. **J Urol** 1986 Dec;136(6):1201–4

[Use of the intestinal graft in renal transplantation in children and adults] Beurton D, et al. **J Urol (Paris)** 1986; 92(9):605–10 (Eng. Abstr.) **(Fre)**

[Ureter replacement operations] Melchior H, et al. **Urologe [A]** 1987 Jul;26(4):181–8 (Eng. Abstr.) **(Ger)**

[Transplantation of the intestines (review of the literature)] Nikitin AM, et al. **Khirurgiia (Mosk)** 1987 Mar;(3):130–7 (55 ref.) **(Rus)**

ULTRASTRUCTURE

Stereological analysis of peroxisomes and mitochondria in intestinal epithelium of patients with peroxisomal deficiency disorders: Zellweger's syndrome and neonatal-onset adrenoleukodystrophy. Black VH, et al. **Am J Anat** 1986 Sep;177(1):107–18

Basolateral glucose transport by intestine of teleost, Oreochromis mossambicus. Reshkin SJ, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):R579–86

Intestinal glucose transport and salinity adaptation in a euryhaline teleost. Reshkin SJ, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):R567–78

Folate transport by human intestinal brush-border membrane vesicles. Said HM, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):G229–36

Beta-lactam antibiotics and transport via the dipeptide carrier system across the intestinal brush-border membrane. Tsuji A, et al. **Biochem Pharmacol** 1987 Feb 15;36(4):565–7

Is mucus involved in biocrystallization? Study of the intestinal mucus of the sea-water eel Anguilla anguilla L. Humbert W, et al. **Cell Tissue Res** 1986;245(3):599–604

Ultrastructural characterization of 6 immunoreactive enteroendocrine cells in Barbus conchonius (Teleostei, Cyprinidae). Rombout JH, et al. **Histochemistry** 1986; 85(6):467–73

H+ coupled uphill transport of aminocephalosporins via the dipeptide transport system in rabbit intestinal brush-border membranes. Okano T, et al. **J Biol Chem** 1986 Oct 25; 261(30):14130–4

Differential subcompartmentation of terminal glycosylation in the Golgi apparatus of intestinal absorptive and goblet cells. Roth J, et al. **J Biol Chem** 1986 Oct 25; 261(30):14307–12

Tight and gap junctions in the intestinal tract of tunicates (Urochordata): a freeze-fracture study. Lane NJ, et al. **J Cell Sci** 1986 Aug;84:1–17

Increased calcium absorption in prehypertensive spontaneously hypertensive rat. Role of serum 1,25-dihydroxyvitamin D3 levels and intestinal brush border membrane fluidity. Lau K, et al. **J Clin Invest** 1986 Oct;78(4):1083–90

[Degradation of dalargin and its analogs in the brush border membranes of rat enterocytes studied by 1H-NMR spectroscopy] Sepetov NF, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1986;9(2):86–9 **(Rus)**

INTOXICATION see **POISONING**

INTOXICATION, ALCOHOLIC see **ALCOHOLIC INTOXICATION**

INTRA-ABDOMINAL INFUSIONS see **INFUSIONS, PARENTERAL**

INTRA-ARTERIAL LINES see **CATHETERS, INDWELLING**

INTRA-AORTIC BALLOON PUMPING

Preliminary report on the use of the Percluder occluding aortic balloon in human beings. Low RB, et al. **Ann Emerg Med** 1986 Dec;15(12):1466–9

Continuous renal replacement therapy in patients with acute renal dysfunction undergoing intraaortic balloon pump and/or left ventricular device support. Paganini EP, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):414–7

Mechanical support or replacement of the heart. Jorge E, et al. **Cardiovasc Clin** 1987;17(3):361-79 (64 ref.)

Percutaneous intra-aortic balloon counterpulsation. Kusiak VM, et al. **Cardiovasc Clin** 1985;15(1):281–302 (60 ref.)

Assessment of adequate circulatory assist during intra-aortic balloon counterpulsation. Satler LF, et al. **Cardiovasc Clin** 1986;16(3):141–9

CT diagnosis of delayed cerebral air embolism following intraaortic balloon pump catheter insertion. Haykal HA, et al. **Comput Radiol** 1986 Nov-Dec;10(6):307–9

Haemodynamic and antiischaemic protective effects of intra-aortic balloon counterpulsation in high risk coronary heart patients undergoing percutaneous transluminal coronary angioplasty. Szatmáry LJ, et al. **Cor Vasa** 1987; 29(3):183–91

Long-term survival after counterpulsation for medically refractory heart failure complicating myocardial infarction and cardiac surgery. Kuchar DL, et al. **Eur Heart J** 1987 May;8(5):490–502

Comparison of left ventricular assist and intra-aortic balloon counterpulsation during early reperfusion after ischemic arrest of the heart. Mickleborough LL, et al. **J Thorac Cardiovasc Surg** 1987 Apr;93(4):597–608

Femorofemoral grafts for lower limb ischemia caused by intra-aortic balloon pump. Friedell ML, et al. **J Vasc Surg** 1987 Jan;5(1):180–6

Cardiogenic shock due to antihistamine overdose. Reversal with intra-aortic balloon counterpulsation. Freedberg RS, et al. **JAMA** 1987 Feb 6;257(5):660–1

Recent clinical experience with percutaneous intra-aortic balloon pumping. Berg GA, et al. **Life Support Syst** 1986 Jul-Sep;4(3):249–56

Current status of circulatory support with an intra-aortic balloon pump. Bolooki H. **Med Instrum** 1986 Sep-Oct; 20(5):266–76 (25 ref.)

Intra-aortic balloon pumping in infants. Fukumasu H, et al. **Nippon Geka Hokan** 1986 Jul 1;55(4):561–72

Management of immediate graft failure after cardiac transplantation using cardiopulmonary bypass and intraaortic balloon-pumping followed by cardiac retransplantation. Wahlers T, et al. **Thorac Cardiovasc Surg** 1986 Dec;34(6):389–90

[Value of counter-pulsion by intra-aortic balloon in the treatment of mechanical complications of myocardial infarction during the acute phase] Donzeau-Gouge P, et al. **Ann Chir** 1986 Nov;40(8):552–5 (Eng. Abstr.) **(Fre)**

[Alternatives to heart transplantation] Cortesini R, et al. **Cardiologia** 1986 Nov;31(11):1065–8 **(Ita)**

[Cardioangiography during intra-aortic balloon pumping for myocardial infarction with severe complications] Hata N, et al. **Kokyu To Junkan** 1986 Dec;34(12):1303–8 (Eng. Abstr.) **(Jpn)**

[V-A bypass combined with IABP in acute heart failure following open heart surgery] Shimoyama M, et al. **Masui** 1986 Oct;35(10):1565–8 (Eng. Abstr.) **(Jpn)**

[Intra-aortic balloon pumping in 122 patients: an analysis of 10 years' experience] Nishiuchi S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Dec; 34(12):2076–81 (Eng. Abstr.) **(Jpn)**

[Experimental study in intraaortic balloon pumping and left ventricular assist device for left ventricular failure, individually and in combination; influence on coronary sinus flow and renal artery flow] Orime Y. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jun;34(6):829–38 (Eng. Abstr.) **(Jpn)**

[Problems and limitations of the IABP support after open heart surgery] Yamada O, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Dec;34(12):2033–7 (Eng. Abstr.) **(Jpn)**

[A case of acute total occlusion of the left main coronary artery in evolving myocardial infarction treated with IABP, PTCR, PTCA and emergent coronary artery bypass graft] Takeuchi M, et al. **Nippon Naika Gakkai Zasshi** 1986 Dec;75(12):1751–5 **(Jpn)**

[Clinical application of special emergency therapy: intra-aortic balloon pumping in the therapy of cardiogenic shock due to myocardial infarction and its limitations] Ishii T, et al. **Nippon Rinsho** 1986 Jun;44(6):1420–4 (15 ref.) **(Jpn)**

[Effect of intra-aortic balloon counterpulsation on thrombocyte ultrastructure and functional properties] Nikolaev AV, et al. **Biull Eksp Biol Med** 1987 Jan; 103(1):107–8 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Vascular complications of intraaortic balloon counterpulsation. Iverson LI, et al. **Am J Surg** 1987 Jul; 154(1):99–103

Intraaortic balloon entrapment: a complication of balloon perforation. Milgalter E, et al. **Ann Thorac Surg** 1986 Dec; 42(6):697–8

Incidence and management of limb ischemia with percutaneous wire-guided intraaortic balloon catheters. Alderman JD, et al. **J Am Coll Cardiol** 1987 Mar; 9(3):524–30

Complications of circulatory assistance with intra-aortic balloon pumping: a comparison of surgical and percutaneous techniques. Pelletier LC, et al. **J Heart Transplant** 1986 Mar-Apr;5(2):138–42

Compartment syndrome and intraaortic balloon. Glenville B, et al. **Thorac Cardiovasc Surg** 1986 Oct;34(5):292–4

[Functional outcome of the lower limb after insertion of an intra-aortic counter-pressure balloon] Sebillotte P, et al. **Ann Chir** 1987;41(2):80–4 (Eng. Abstr.) **(Fre)**

[Ischemic damage to the liver and kidney by IABP—report of a case with a rare complication] Itoh Y, et al. **Kyobu Geka** 1987 Feb;40(2):162–5 (Eng. Abstr.) **(Jpn)**

[A report of a case of systemic cholesterol embolization after A-C bypass surgery] Kawata H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Nov;34(11):1991–6 (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

[Studies on the BMI model percutaneous intra-aortic-balloon] Yang ZB, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Apr; 8(2):132–8 (Eng. Abstr.) **(Chi)**

METHODS

Failure of intraaortic balloon counterpulsation to augment distal coronary perfusion pressure during percutaneous transluminal coronary angioplasty. MacDonald RG, et al. **Am J Cardiol** 1987 Feb 1;59(4):359–61

A valveless counterpulsation left ventricular assist pump in the descending aorta: hemodynamic benefit with a reduced risk of cerebral emboli. Guyton RA, et al. **Ann Thorac Surg** 1987 Jul;44(1):21–5

Transthoracic intraaortic balloon pump support: experience in 39 patients. McGeehin W, et al. **Ann Thorac Surg** 1987 Jul;44(1):26–30

Intra-aortic balloon counterpulsation: present status. D'Agostino RS, et al. **Compr Ther** 1986 Nov;12(11):47–54

Intraaortic balloon pump insertion: a randomized study comparing percutaneous and surgical techniques. Goldberg MJ, et al. **J Am Coll Cardiol** 1987 Mar;9(3):515–23

Transbrachial balloon catheter tamponade of ruptured abdominal aortic aneurysms without fluoroscopic control. Wolf RK, et al. **Surg Gynecol Obstet** 1987 May; 164(5):463–5

INTRACELLULAR FLUID see under **BODY FLUIDS**

INTRACELLULAR MEMBRANES

ANALYSIS

The insulin secretory granule: features and functions in common with other endocrine granules. Hutton JC, et al. **Adv Exp Med Biol** 1986;211:385–96

Lipid composition and orientation in secretory vesicles. Westhead EW. **Ann NY Acad Sci** 1987;493:92–100

Occurrence of the HNK-1 epitope (3-sulfoglucuronic acid) in PC12 pheochromocytoma cells, chromaffin granule membranes, and chondroitin sulfate proteoglycans. Margolis RK, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1142–8

Membrane tubulin. Stephens RE. **Biol Cell** 1986;57(2):95–109 (88 ref.)

Ki-M8 monoclonal antibody reactive with an intracytoplasmic antigen of monocyte/macrophage lineage. Radzun HJ, et al. **Blood** 1987 May;69(5):1320–7

Lipid and protein characterisation of neuromuscular synaptosomal membranes from rabbit diaphragm. Venkov L, et al. **Cell Mol Biol** 1987;33(2):173–81

Labeling of cholesterol with filipin in cellular membranes of parenchymatous organs. Standardization of incubation conditions. Ginsbach C, et al. **Histochemistry** 1987; 86(3):241–8

Effect of substrate on indirect immunofluorescence tests for intercellular and basement membrane zone antibodies. Bystryn JC, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):973–7

Isolation and characterization of 3-hydroxyacyl coenzyme A dehydrogenase-binding protein from pig heart inner mitochondrial membrane. Kispal G, et al. **J Biol Chem** 1986 Oct 25;261(30):14209–13

Purified crystalloid endoplasmic reticulum from UT-1 cells contains multiple proteins in addition to 3-hydroxy-3-methylglutaryl coenzyme A reductase. Kochevar DT, et al. **J Biol Chem** 1987 Jul 25; 262(21):10321–6

A common spectrum of polypeptides occurs in secretion granule membranes of different exocrine glands. Cameron RS, et al. **J Cell Biol** 1986 Oct;103(4):1299–313

Membranes of sorting organelles display lateral heterogeneity in receptor distribution. Geuze HJ, et al. **J Cell Biol** 1987 Jun;104(6):1715–23

Purification and characterization of constitutive secretory vesicles from yeast. Walworth NC, et al. **J Cell Biol** 1987 Jul;105(1):163–74

A solid-phase radioimmunoassay using digitonin-permeabilized cells to screen surface or intracellular membrane-bound antigens. Pialot F, et al. **J Immunol Methods** 1987 Feb 26;97(1):141–6

DRUG EFFECTS

Toxic and protective effects of antioxidants in biomembranes. Kagan V, et al. **Arch Toxicol [Suppl]** 1986;9:302–5

Improvement of myocardial function after global hypoxia by protection of the inner mitochondrial membrane. Beyersdorf F, et al. **Arzneimittelforschung** 1987 Feb; 37(2):142–9

Membrane actions of male contraceptive gossypol tautomers. Reyes J, et al. **Biochim Biophys Acta** 1986 Dec 1;

863(1):101–9
Influence of cyclosporin A treatment on intracellular membranes of hepatocytes. Bäckman L, et al. **Exp Mol Pathol** 1986 Aug;45(1):31–43
Cell membrane changes induced by lonidamine in human erythrocytes and T lymphocytes, and Ehrlich ascites tumor cells. De Martino C, et al. **Exp Mol Pathol** 1987 Feb; 46(1):15–30
Light-evoked and kainic-acid-induced disc shedding by rod photoreceptors: differential sensitivity to extracellular calcium. Besharse JC, et al. **J Comp Neurol** 1986 Sep 8; 251(2):185–97
Mitochondrial alterations in the brain of the rat caused by chlorphentermine. Zychlinski L, et al. **Neuropharmacology** 1986 Oct;25(10):1111–7
[In vitro effects of E. coli endotoxin on the membrane permeability and substrate transport of isolated rat liver mitochondria] Kopprasch S, et al. **Biomed Biochim Acta** 1987;46(1):59–66 (Eng. Abstr.) **(Ger)**
[Phospholipid restoration of microsome membranes damaged by Fe2+—ascorbate-dependent lipid peroxidation] Borodin EA. **Biol Nauki** 1986;(7):30–5 (Eng. Abstr.) **(Rus)**
[Action of nonachlazine on the creatine phosphokinase and acid phosphatase activity and on the lysosomal membrane stability of the ischemic myocardium in rats after preliminary reserpinization] Sysoliatina NA. **Farmakol Toksikol** 1986 Jul-Aug;49(4):77–81 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Analytical study of kallikrein and kallikrein-like esterase activity in subfractions from rat kidney cortex microsomes and isolated subcellular membranes. Andersen KJ, et al. **Adv Exp Med Biol** 1986;198 Pt A:355–9
Subfractionation of the outer membrane of rat brain mitochondria: evidence for the existence of a domain containing the porin-hexokinase complex. Dorbani L, et al. **Arch Biochem Biophys** 1987 Jan;252(1):188–96
Neurotoxic esterase: characterization of the solubilized enzyme and the conditions for its solubilization from chicken brain microsomal membranes with ionic, zwitterionic, or nonionic detergents. Davis CS, et al. **Biochem Pharmacol** 1987 May 1;36(9):1393–9
Hydrodynamic properties of the chromaffin granule hydrogen ion pumping adenosinetriphosphatase. Dean GE, et al. **Biochemistry** 1987 Apr 21;26(8):2301–5
Characterization of native and reconstituted hydrogen ion pumping adenosinetriphosphatase of chromaffin granules. Dean GE, et al. **Biochemistry** 1986 Aug 26;25(17):4918–25
The localization of cholinephosphotransferase in the outer membrane of guinea-pig lung mitochondria. Sikpi MO, et al. **Biochim Biophys Acta** 1987 May 12;899(1):35–43
Mitochondrial glutathione transferases. The alkylation of mitochondrial membrane yields a catalyst with glutathione-transferase-like properties. Kraus P, et al. **Biol Chem Hoppe Seyler** 1986 Sep;367(9):937–41
The effects in the excess administration of prostaglandin E1 on the indicator enzymes of organella membrane in gastric mucosa. Ozeki T, et al. **Br J Exp Pathol** 1987 Apr; 68(2):209–14
The proton channel, CF0, in thylakoid membranes. Only a low proportion of CF1-lacking CF0 is active with a high unit conductance (169 fS). Lill H, et al. **Eur J Biochem** 1986 Nov 3;160(3):627–34
Effect of modulators on prostasome membrane-bound ATPase in human seminal plasma. Ronquist G. **Eur J Clin Invest** 1987 Jun;17(3):231–6
Accessibility of Trypanosoma brucei procyclic glycosomal enzymes to labeling agents of various sizes and charges. Patthey JP, et al. **FEBS Lett** 1987 Jan 5;210(2):137–41
Immunoelectron microscopical localization of ornithine transcarbamylase in hepatic parenchymal cells of the rat. Yokota S, et al. **Histochem J** 1986 Aug;18(8):451–7
Characterization of a protein fatty acylesterase present in microsomal membranes of diverse origin. Berger M, et al. **J Biol Chem** 1986 Nov 15;261(32):14912–8
A protein phosphatase associated with rat heavy gastric membranes enriched with (H+-K+)-ATPase influences membrane K+ transport activity. Im WB, et al. **J Biol Chem** 1987 Jul 15;262(20):9865–71
Subunit VII, the ubiquinone-binding protein, of the cytochrome b-c1 complex of yeast mitochondria is involved in electron transport at center o and faces the matrix side of the membrane. Japa S, et al. **J Biol Chem** 1987 Apr 25;262(12):5441–4
Interaction of cytoplasmic tyrosine hydroxylase with chromaffin granule. In vitro studies on association of soluble enzyme with granule membranes and alteration in enzyme activity. Morita K, et al. **J Biol Chem** 1987 Apr 25;262(12):5654–8
The purified ATPase from chromaffin granule membranes is an anion-dependent proton pump. Moriyama Y, et al. **J Biol Chem** 1987 Jul 5;262(19):9175–80
The effect of Ca2+ and acyl coenzyme A:lysophospholipid acyltransferase inhibitors on permeability properties of the liver mitochondrial inner membrane. Riley WW Jr, et al. **J Biol Chem** 1986 Oct 25;261(30):14018–24
Evidence for changes in the conformational status of rat liver microsomal glucose-6-phosphate:phosphohydrolase during detergent-dependent membrane modification. Effect of p-mercuribenzoate and organomercurial agarose gel on glucose-6-phosphatase of native and detergent-modified microsomes. Schulze HU, et al. **J Biol Chem** 1986 Dec 15;261(35):16571–8
Calcium-dependent protein kinase reactions associated with parotid gland secretory granule membranes. Dowd F, et al. **J Dent Res** 1987 Feb;66(2):557–63
Intracellular acetylcholinesterase of adult rat myofibers is more concentrated in endplate than non-endplate regions. Donoso JA, et al. **J Neurosci Res** 1987;17(2):146–53
Distribution of calmodulin and calmodulin-binding proteins in bovine pituitary: association of myosin light chain kinase with pituitary secretory granule membranes. Nelson TY, et al. **Mol Cell Biochem** 1987 Mar;74(1):83–94
Photo-oxidation effects on beta-hydroxybutyrate dehydrogenase: studies of membrane fragments and intact mitochondria. Robinson RS, et al. **Photochem Photobiol** 1987 Feb;45(2):231–4
Malonyl-CoA binding site and the overt carnitine palmitoyltransferase activity reside on the opposite sides of the outer mitochondrial membrane. Murthy MS, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):378–82
[Modification of the mitochondrial membrane from the rat liver by synthetic phospholipids] Tat'ianenko LV, et al. **Vopr Med Khim** 1986 Nov-Dec;32(6):86–9 (Eng. Abstr.) **(Rus)**
[Localization of Mg2+-ATPase in the membranes of the skeletal muscles and myocardium of the frog Rana temporaria] Mikhallova MV, et al. **Zh Evol Biokhim Fiziol** 1987 Mar-Apr;23(2):180–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Intracellular lipids in rabbit ear cartilage during tissue regeneration. Labandeira-Garcia J, et al. **Acta Anat (Basel)** 1986;127(4):249–54
Quantitative morphological and histochemical study of the xiphisternal cartilage and its intracellular lipids in the guinea-pig. Guerra-Seijas MJ, et al. **Acta Morphol Hung** 1986;34(3):177–86
31P-NMR in vivo measurement of renal intracellular pH: effects of acidosis and K+ depletion in rats. Adam WR, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F904–10
Fluctuations in intracellular pH associated with vasopressin stimulation. Brem AS, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F897–903
Intracellular pH regulation in frog skin: a 31P-nuclear magnetic resonance study. Civan MM, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F831–8
Intracellular chloride activity in intact rat liver: relationship to membrane potential and bile flow. Fitz JG, et al. **Am J Physiol** 1987 May;252(5 Pt 1):G699–706
Minimum intracellular PO2 for maximum cytochrome turnover in red muscle in situ. Gayeski TE, et al. **Am J Physiol** 1987 May;252(5 Pt 2):H906–15
Flow cytometric analysis of intracellular pH in 3T3 cells. Gillies RJ, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):C121–5
Electrically neutral Na+-H+ exchange in endosomes obtained from rabbit renal cortex. Gurich RW, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):F702–9
[Na]i modulates isoproterenol's effect on Ca permeability in cultured heart cells. Kim D, et al. **Am J Physiol** 1987 Aug; 253(2 Pt 1):C253–62
Measurement of intracellular Ca2+ activity in Necturus gallbladder. Palant CE, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):C309–15
Parathyroid hormone acutely elevates intracellular calcium in osteoblastlike cells. Reid IR, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):E45–51
Changes in intracellular ionized Ca concentration associated with muscle fiber type transformation. Sreter FA, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):C296–300
The effect of chronic ethanol consumption on the lipids in liver mitochondria. Cunningham CC, et al. **Ann NY Acad Sci** 1987;492:181–92
Partition of ethanol and other amphiphilic compounds modulated by chronic alcoholism. Rottenberg H. **Ann NY Acad Sci** 1987;492:112–24
Membrane structural alterations caused by chronic ethanol consumption: the molecular basis of membrane tolerance. Taraschi TF, et al. **Ann NY Acad Sci** 1987;492:171–80
Effects of ethanol on proteins of mitochondrial membranes. Thayer WS. **Ann NY Acad Sci** 1987;492:193–206
Composition and transport function of membranes of chromaffin granules. Established facts and unresolved topics. Winkler H. **Ann NY Acad Sci** 1987;493:252–8
Vanadate-dependent oxidation of pyridine nucleotides in rat liver microsomal membranes. Coulombe RA Jr, et al. **Arch Biochem Biophys** 1987 Jun;255(2):267–73
Protein and lipid disturbances in rat liver microsomal membranes after bile duct ligation. Bengochea L, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):980–5
Anti-lipoperoxidation action of food restriction. Laganiere S, et al. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1185–91
Origins of the phospholipids in animal mitochondria. McMurray WC. **Biochem Cell Biol** 1986 Nov; 64(11):1115–24 (61 ref.)
The entrapment of the Ca2+ indicator arsenazo III in the matrix space of rat liver mitochondria by permeabilization and resealing. Na+-dependent and -independent effluxes of Ca2+ in arsenazo III-loaded mitochondria. Al-Nasser I, et al. **Biochem J** 1986 Oct 1;239(1):31–40
The reversible Ca2+-induced permeabilization of rat liver mitochondria. Al-Nasser I, et al. **Biochem J** 1986 Oct 1; 239(1):19–29
Lipid alterations in liver and kidney induced by normobaric hyperoxia: correlations with changes in microsomal membrane fluidity. Casals C, et al. **Biochem Med Metab Biol** 1987 Jun;37(3):269–81
Aggregation and diffusion in the mitochondrial electron-transfer chain: role in electron flow and energy transfer. Ferguson-Miller S, et al. **Biochem Soc Trans** 1986 Oct;14(5):822–4
Lipid phase behaviour and lipid-protein interactions in the chloroplast photosynthetic membrane. Quinn PJ. **Biochem Soc Trans** 1987 Feb;15(1):86–91
Functional characterization of junctional terminal cisternae from mammalian fast skeletal muscle sarcoplasmic reticulum. Chu A, et al. **Biochemistry** 1986 Dec 16; 25(25):8315–24
Anthracycline binding to synthetic and natural membranes. A study using resonance energy transfer. Griffin EA, et al. **Biochemistry** 1986 Dec 2;25(24):7875–80
Molecular organization (topography) of cytochrome P-450(11)beta in mitochondrial membrane and phospholipid vesicles as studied by trypsinolysis. Lombardo A, et al. **Biochim Biophys Acta** 1986 Dec 1;863(1):71–81
Effects of phospholipases C and D on ordering of channel proteins in the mitochondrial outer membrane. Mannella CA. **Biochim Biophys Acta** 1986 Sep 25;861(1):67–73
Sedimentation characteristics of vesicles associated with insulin-sensitive intracellular glucose transporter from rat adipocytes. Shibata Y, et al. **Biochim Biophys Acta** 1987 Aug 7;902(1):154–8
Membrane transport of sugar donors to the glycosylation sites. Verbert A, et al. **Biochimie** 1987 Feb;69(2):91–9 (35 ref.)
Cytochrome c binds to lipid domains in arrays of mitochondrial outer membrane channels. Mannella CA, et al. **Biophys J** 1987 Feb;51(2):221–6
Filipin-cholesterol binding in CNS axons prior to myelination: evidence for microheterogeneity in premyelinated axolemma. Fields RD, et al. **Brain Res** 1987 Feb 24;404(1-2):21–32
Beta-adrenergic receptors of cerebellar astrocytes in culture: intact cells versus membrane preparation. Voisin PJ, et al. **Brain Res** 1987 Feb 24;404(1-2):65–79
Energization of mitochondrial inner membranes by L-malate under anaerobic condition is driven by energy derived at side I of phosphorylation. Tsuda M, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4327–30
Endothelial renin-angiotensin pathway: evidence for intracellular synthesis and secretion of angiotensins. Kifor I, et al. **Circ Res** 1987 Mar;60(3):422–8
Contributions of intracellular and extracellular Ca2+ pools to activation of myosin phosphorylation and stress in swine carotid media. Ratz PH, et al. **Circ Res** 1987 Mar; 60(3):410–21
Intracellular high-energy phosphate transfer in normal and hypertrophied myocardium. Bittl JA, et al. **Circulation** 1987 Jan;75(1 Pt 2):I96–101
Calcium transport by intracellular membrane structures in the myocardium of hypertrophied and failing hearts. Fizel A, et al. **Cor Vasa** 1986;28(5):373–83
Both ATP and an energized inner membrane are required to import a purified precursor protein into mitochondria. Eilers M, et al. **EMBO J** 1987 Apr;6(4):1073–7
Phosphatidylinositol is involved in the membrane attachment of NCAM-120, the smallest component of the neural cell adhesion molecule. He HT, et al. **EMBO J** 1986 Oct; 5(10):2489–94
Hepatic prolactin receptors in the rat: characterization using monoclonal antireceptor antibodies. Katoh M, et al. **Endocrinology** 1987 Feb;120(2):739–49
Effect of Ca2+, peroxides, SH reagents, phosphate and aging on the permeability of mitochondrial membranes. Rizzuto R, et al. **Eur J Biochem** 1987 Jan 15;162(2):239–49
Intracellular calcium in mammalian brain cells: fluorescence measurements with quin2. Morris ME, et al. **Exp Brain Res** 1987;65(3):520–6
Mechanism of UDP-sugar transport into intracellular vesicles. Occurrence of UDP-GlcNAc/UDP and UDP-Gal/UDP antiports. Cecchelli R, et al. **FEBS Lett** 1986 Nov 24;208(2):407–12
Regulation of mitochondrial proteolysis. Selective degradation of inner membrane polypeptides. Duque-Magalhães MC, et al. **FEBS Lett** 1987 Jan 5; 210(2):142–6
GTP-dependent ADP-ribosylation of a 22 kDa protein in the endoplasmic reticulum membrane. Robinson A, et al. **FEBS Lett** 1987 Jun 22;218(1):63–7
The fluorescence intensity of the lipophilic probe N-phenyl-1-naphthylamine responds to the oxidation-reduction state of the respiratory chain in everted membrane vesicles of Escherichia coli. Sedgwick EG, et al. **FEBS Lett** 1987 Jun 22;218(1):22–6
How proteins move across the endoplasmic reticulum membrane. Blobel G. **Hepatology** 1987 Jan-Feb;7(1 Suppl):26S–29S
Transfer of secretory proteins through the membrane of the endoplasmic reticulum. Hortsch M, et al. **Int Rev Cytol** 1986;102:215–42 (277 ref.)
Role of intracellular pH in muscle fatigue. Metzger JM, et al. **J Appl Physiol** 1987 Apr;62(4):1392–7

Effect of uncoupler on assembly pathway for pigment-binding protein of bacterial photosynthetic membranes. Dierstein R, et al. **J Bacteriol** 1986 Oct; 168(1):167–72

Characteristics of a lysosomal membrane transport system for tyrosine and other neutral amino acids in rat thyroid cells. Bernar J, et al. **J Biol Chem** 1986 Dec 25; 261(36):17107–12

Import of proteins into chloroplasts. Membrane integration of a thylakoid precursor protein reconstituted in chloroplast lysates. Cline K. **J Biol Chem** 1986 Nov 5;261(31):14804–10

Two different Ca2+ transport systems are associated with plasma and intracellular human platelet membranes. Enouf J, et al. **J Biol Chem** 1987 Jul 5;262(19):9293–7

Wild type and mutant signal peptides of Escherichia coli outer membrane lipoprotein interact with equal efficiency with mammalian signal recognition particle. Garcia PD, et al. **J Biol Chem** 1987 Jul 15;262(20):9463–8

Is movement of mannose 6-phosphate-specific receptor triggered by binding of lysosomal enzymes? Braulke T, et al. **J Cell Biol** 1987 Jun;104(6):1735–42

The NH2 terminus of preproinsulin directs the translocation and glycosylation of a bacterial cytoplasmic protein by mammalian microsomal membranes. Eskridge EM, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2263–72

Limited and selective transfer of plasma membrane glycoproteins to membrane of secondary lysosomes. Haylett T, et al. **J Cell Biol** 1986 Oct;103(4):1249–56

Characterization of translocation contact sites involved in the import of mitochondrial proteins. Schwaiger M, et al. **J Cell Biol** 1987 Jul;105(1):235–46

Cytoplasmic [Ca2+] and intracellular pH in lymphocytes. Role of membrane potential and volume-activated Na+/H+ exchange. Grinstein S, et al. **J Gen Physiol** 1987 Feb;89(2):185–213

Transduction persists in rod photoreceptors after depletion of intracellular calcium. Nicol GD, et al. **J Gen Physiol** 1987 Feb;89(2):297–319

Presence of intact intercellular lipid lamellae in the upper layers of the stratum corneum. Madison KC, et al. **J Invest Dermatol** 1987 Jun;88(6):714–8

Localization of phosphatidylethanolamine in microsomal membranes and regulation of its distribution by the fatty acid composition. Valtersson C, et al. **J Lipid Res** 1986 Jul;27(7):731–41

Na-K-2Cl cotransport in winter flounder intestine and bovine kidney outer medulla: [3H] bumetanide binding and effects of furosemide analogues. O'Grady SM, et al. **J Membr Biol** 1987;96(1):11–8

Triethyllead inhibits gamma-aminobutyric acid binding to uptake sites in synaptosomal membranes. Seidman BC, et al. **J Neurochem** 1987 Aug;49(2):415–20

Complex compartmentation of tyrosine sulfate-containing proteins undergoing fast axonal transport. Stone GC, et al. **J Neurochem** 1987 Jun;48(6):1736–44

Transient increase in intracellular concentration of adenosine 3':5'-cyclic monophosphate results in morphological and biochemical differentiation of C6 glioma cells in culture. Sharma SK, et al. **J Neurosci Res** 1987;17(2):135–41

Role of cyclic AMP and intracellular calcium concentration in seizure activity. Sugaya E. **Jpn J Psychiatry Neurol** 1986 Sep;40(3):353–6

Growth hormone and liver mitochondria: effects on phospholipid composition and fatty acyl distribution. Clejan S, et al. **Lipids** 1986 Nov;21(11):677–83

Sequences required for delivery and localization of the ADP/ATP translocator to the mitochondrial inner membrane. Adrian GS, et al. **Mol Cell Biol** 1986 Feb; 6(2):626–34

Phosphorylation of tubulin enhances its interaction with membranes. Hargreaves AJ, et al. **Nature** 1986 Oct 30–Nov 5;323(6091):827–8

Intracellular membrane flow: reconstitution of transition vesicle formation and function in a cell-free system. Nowack DD, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(17):6098–102

Chelation of intracellular calcium blocks insulin action in the adipocyte. Pershadsingh HA, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):1025–9

On the translocation of proteins across membranes. Singer SJ, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):1015–9

Porphyrins are endogenous ligands for the mitochondrial (peripheral-type) benzodiazepine receptor. Verma A, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2256–60

Acetylcholine-induced contraction in human isolated bronchial smooth muscle: role of an intracellular calcium store. Marthan R, et al. **Respir Physiol** 1987 Feb; 67(2):127–35

[Effect of changes in the membrane lipid composition on the activity of respiratory chain enzymes in rat liver mitochondria] Ishankhodzhaev TM, et al. **Biokhimiia** 1987 Feb;52(2):220–4 (Eng. Abstr.) **(Rus)**

[Mechanisms of biomembrane stabilization with alpha-tocopherol. The role of the isoprenoid chain in the inhibition of lipid peroxidation] Kagan VE, et al. **Dokl Akad Nauk SSSR** 1987;295(3):728–31 **(Rus)**

[Stimulation of mitoplast respiration by mitochondrial porin] Pronevich LA, et al. **Ukr Biokhim Zh** 1987 Jul-Aug; 59(4):82–4 (Eng. Abstr.) **(Rus)**

[Effect of the outer mitochondrial membrane fraction on mitoplast respiration] Pronevich LA, et al. **Ukr Biokhim Zh** 1986 Nov-Dec;58(6):47–50 (Eng. Abstr.) **(Rus)**

[Interaction of glucocorticoid hormones with mitochondrial membranes] Vol'skiĭ GG. **Ukr Biokhim Zh** 1987 Jan-Feb; 59(1):55–61 (Eng. Abstr.) **(Rus)**

[Changes in the phospholipid composition of liver mitochondrial membranes in rats treated with ethanol] Rakhimov MM, et al. **Vopr Med Khim** 1987 Mar-Apr; 33(2):93–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Optical monitoring of mitochondrial membrane potential in intact myocardium and its application to the development of tissue injury caused by calcium readmission to the isolated perfused heart. Hassinen I. **Adv Exp Med Biol** 1986; 200:531–8

Selective production of sealed plasma membrane vesicles from red beet (Beta vulgaris L.) storage tissue. Giannini JL, et al. **Arch Biochem Biophys** 1987 May 1;254(2):621–30

Evidence for the existence of an inner membrane anion channel in mitochondria. Garlid KD, et al. **Biochim Biophys Acta** 1986;853(3–4):187–204 (172 ref.)

Structure-activity relationship of gramicidin S analogues on membrane permeability. Katsu T, et al. **Biochim Biophys Acta** 1987 May 29;899(2):159–70

Biochemical aspects of the mechanism of action of antiarrhythmic drugs on mitochondria. VII. Effect on energy-linked reactions and on membrane potential. Klüppel ML, et al. **Cell Biochem Funct** 1986 Oct; 4(4):289–96

The trans-tubular network of the hepatocyte Golgi apparatus is part of the secretory pathway. Taatjes DJ, et al. **Eur J Cell Biol** 1986 Dec;42(2):344–50

Biological channels: focus on the outer mitochondrial membrane. **J Bioenerg Biomembr** 1987 Aug;19(4):305–407

Regulation of the mitochondrial outer membrane channel, VDAC. Colombini M. **J Bioenerg Biomembr** 1987 Aug; 19(4):309–20 (25 ref.)

Importance of the mitochondrial outer membrane channel as a model biological channel. Mannella CA, et al. **J Bioenerg Biomembr** 1987 Aug;19(4):305–8 (23 ref.)

Channels in the mitochondrial outer membrane: evidence from patch clamp studies. Tedeschi H, et al. **J Bioenerg Biomembr** 1987 Aug;19(4):321–7 (11 ref.)

Water movement during channel opening and closing. Zimmerberg J, et al. **J Bioenerg Biomembr** 1987 Aug; 19(4):351–8 (21 ref.)

Large cation-selective pores from rat liver peroxisomal membranes incorporated to planar lipid bilayers. Labarca P, et al. **J Membr Biol** 1986;94(3):285–91

Patch clamping the outer mitochondrial membrane. Tedeschi H, et al. **J Membr Biol** 1987;97(1):21–9

Intracellular electrical potentials in the rabbit collecting ducts perfused in vitro. Ishibashi K, et al. **Jpn J Physiol** 1986; 36(4):671–81

Exocytosis from large dense cored vesicles outside the active synaptic zones of terminals within the trigeminal subnucleus caudalis: a possible mechanism for neuropeptide release. Zhu PC, et al. **Neuroscience** 1986 Sep;19(1):43–54

RADIATION EFFECTS

[Structural and functional properties of irradiated nuclear membranes at the air-water phase interface] Pavlovskaia TE, et al. **Radiobiologiia** 1987 Mar-Apr;27(2):171–6 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Ultracytochemistry of intracellular membrane glycoconjugates. Neiss WF. **Adv Anat Embryol Cell Biol** 1986;99:1–92 (201 ref.)

Ultrastructural, histochemical, and freeze-fracture evaluation of multilamellated structures in human pulmonary alveolar proteinosis. Takemura T, et al. **Am J Anat** 1987 Jul; 179(3):258–68

Morphological studies on the forming processes and patterns of the platelet demarcation membrane system in the megakaryocytic series of embryonic rat livers. Kakuta S, et al. **Arch Histol Jpn** 1986 Jun;49(2):255–65

Properties of a GTP sensitive microdomain in rough microsomes. Paiement J, et al. **Biochim Biophys Acta** 1987 Mar 26;898(1):6–22

A quantitative evaluation of the extent of inner mitochondrial membrane destruction after freezing-thawing based on functional studies. Tsvetkov T, et al. **Cryobiology** 1986 Oct; 23(5):433–9

Lysosomal membrane stabilization by enfenamic acid. Rao AB, et al. **Indian J Exp Biol** 1986 Dec;24(12):771–2

Electron microscopy and image analysis of the mitochondrial outer membrane channel, VDAC. Mannella CA. **J Bioenerg Biomembr** 1987 Aug;19(4):329–40 (42 ref.)

A microtubule-binding protein associated with membranes of the Golgi apparatus. Allan VJ, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2229–39

Formation of a functional ribosome-membrane junction during translocation requires the participation of a GTP-binding protein. Connolly T, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2253–61

The effects of galactolipid depletion on the structure of a photosynthetic membrane. Jacob JS, et al. **J Cell Biol** 1986 Oct;103(4):1337–47

Macromolecular structure of axonal membrane during acute experimental allergic encephalomyelitis in rat and guinea pig spinal cord. Black JA, et al. **J Neuropathol Exp Neurol** 1987 Mar;46(2):167–84

Intracellular staining of neurons with nickel-lysine. Fredman SM. **J Neurosci Methods** 1987 Jul;20(3):181–94

Three-dimensional observation of intracellular membranous structures in dog heart muscle cells by scanning electron microscopy. Yoshikane H, et al. **J Submicrosc Cytol** 1986 Oct;18(4):629–36

Changes in physicochemical properties of mitochondrial membranes during the formation process of megamitochondria induced by hydrazine. Wakabayashi T, et al. **Toxicol Appl Pharmacol** 1987 Feb;87(2):235–48

The ribosome-lamellar complex: is it a normal structure? [letter] Seiler MW, et al. **Ultrastruct Pathol** 1987; 11(4):479–80

INTRACISTERNAL A-PARTICLE GENES see under **PROTO-ONCOGENES**

INTRACRANIAL ANEURYSM see **CEREBRAL ANEURYSM**

INTRACRANIAL ARTERIOVENOUS MALFORMATIONS see **CEREBRAL ARTERIOVENOUS MALFORMATIONS**

INTRACRANIAL HYPERTENSION, BENIGN see **PSEUDOTUMOR CEREBRI**

INTRACRANIAL PRESSURE

see related
PAPILLEDEMA

Elevations of neuropeptide Y-like immunoreactivity and catecholamines in plasma on increased intracranial pressure in the pig. Rudehill A, et al. **Acta Anaesthesiol Scand** 1987 Feb;31(2):132–8

Changes in cardiac metabolism, perfusion, ECG and plasma catecholamines during increased intracranial pressure in the pig. Rudehill A, et al. **Acta Anaesthesiol Scand** 1987 May; 31(4):265–72

Posttraumatic monitoring of intracranial pressure. Pontén U. **Acta Neurochir [Suppl] (Wien)** 1986;36:143–4

Clinical evaluation of a simple epidural pressure sensor. Kosteljanetz M, et al. **Acta Neurochir (Wien)** 1986; 83(3–4):108–11

ICP monitoring—current status and future directions. Miller JD. **Acta Neurochir (Wien)** 1987;85(3–4):80–6

Intracranial pressure: cerebrospinal fluid dynamics and pressure-volume relations. Kosteljanetz M. **Acta Neurol Scand [Suppl]** 1987;111:1–23

Changes in anterior fontanel pressure in preterm neonates during tracheal intubation. Friesen RH, et al. **Anesth Analg** 1987 Sep;66(9):874–8

Changes in anterior fontanel pressure during cardiopulmonary bypass and hypothermic circulatory arrest in infants. Friesen RH, et al. **Anesth Analg** 1987 Jan; 66(1):94–6

A Monte Carlo technique for signal level detection in implanted intracranial pressure monitoring. Avent RK, et al. **Ann Biomed Eng** 1987;15(1):79–89

The Cushing reflex in the absence of intracranial hypertension. Fox JL, et al. **Ann Clin Res** 1986;18 Suppl 47:9–16

Intracranial pressure estimation by palpation of the anterior fontanelle. Kaiser AM, et al. **Arch Dis Child** 1987 May; 62(5):516–7

New fontanometer for continuous estimation of intracranial pressure in the newborn. Rochefort MJ, et al. **Arch Dis Child** 1987 Feb;62(2):152–5

'New' fontanometer for estimation of intracranial pressure in the newborn [letter] Wright BM. **Arch Dis Child** 1987 Jul;62(7):762

Comparison of epidural pressure in live anesthetized and post-mortem primates. Nusholtz GS, et al. **Aviat Space Environ Med** 1987 Jan;58(1):9–17

Effect of application pressure and gestational age on transfontanel pressure in healthy neonates. Lacey L, et al. **Biol Neonate** 1986;50(3):136–40

The effect of raised intracranial pressure on intracochlear fluid pressure: three case studies. Marchbanks RJ, et al. **Br J Audiol** 1987 May;21(2):127–30

Management of raised ICP after severe head injury [letter] Williams B. **Br J Hosp Med** 1987 Jan;37(1):85

Reye's syndrome: assessment of intracranial monitoring. Jenkins JG, et al. **Br Med J** 1987 Feb 7;294(6568):337–8

Reye's syndrome: an assessment of intracranial monitoring [letter] Emond AM, et al. **Br Med J [Clin Res]** 1987 Mar 28;294(6575):837

Developmental changes in cerebrospinal fluid pressure and resistance to absorption in rats. Jones HC, et al. **Brain Res** 1987 May;430(1):23–30

The CSF pulse wave in hydrocephalus [letter] Portnoy HD. **Childs Nerv Syst** 1986;2(3):107–8

Oscillation of intracranial pressure and sleep. Ueno H, et al. **Clin Neurol Neurosurg** 1986;88(3):163–8

Near-drowning in children [letter] Marshall LF. **Crit Care Med** 1987 Apr;15(4):336

Effects of high-frequency jet ventilation on intracranial pressure and cerebral elastance in dogs. Rubio JJ, et al. **Crit Care Med** 1987 Jun;15(6):602–5

Non-invasive monitoring of intracranial pressure—fact or

fancy? Kaiser AM, et al. **Dev Med Child Neurol** 1987 Jun; 29(3):320–6

Value of intracranial pressure monitoring of asphyxiated newborn infants. Levene MI, et al. **Dev Med Child Neurol** 1987 Jun;29(3):311–9

Pressure in the hydrocephalic fetal head during the first stage of labor. Eskes TK, et al. **Eur J Obstet Gynecol Reprod Biol** 1975;4(5):171–6

Brain edema in rabbits with galactosamine-induced fulminant hepatitis. Regional differences and effects on intracranial pressure. Traber PG, et al. **Gastroenterology** 1986 Dec; 91(6):1347–56

The relationship between endotracheal suctioning and changes in intracranial pressure: a review of the literature. Rudy EB, et al. **Heart Lung** 1986 Sep;15(5):488–94 (32 ref.)

Bulging fontanel following DPT vaccine [letter] Shendurnikar N, et al. **Indian Pediatr** 1986 Nov;23(11):960

A simple system of intracranial pressure monitoring for use by non-neurosurgeons. Richards PG, et al. **Intensive Care Med** 1986;12(4):325–7

Intracranial pressure following cardiopulmonary resuscitation. Sakabe T, et al. **Intensive Care Med** 1987; 13(4):256–9

Reduction of cerebrospinal fluid pressure by hypocapnia: changes in cerebral blood volume, cerebrospinal fluid volume, and brain tissue water and electrolytes. Artru AA. **J Cereb Blood Flow Metab** 1987 Aug;7(4):471–9

The effects of elevated intracranial pressure on the canine electrocardiogram. Wallis DE, et al. **J Electrocardiol** 1987 Apr;20(2):154–61

Clinical and anatomical considerations of the Tobey-Ayer test in lateral sinus thrombosis. Albert DM, et al. **J Laryngol Otol** 1986 Nov;100(11):1311–3

Intracranial pressure: a review of clinical problems, measurement techniques and monitoring methods. Allen R. **J Med Eng Technol** 1986 Nov–Dec;10(6):299–320 (173 ref.)

Multiple plasmacytoma presenting as raised intracranial pressure [letter] Collier A, et al. **J Neurol Neurosurg Psychiatry** 1987 Apr;50(4):495–6

Spectral analysis of the CSF pulse wave at different locations in the craniospinal axis. Takizawa H, et al. **J Neurol Neurosurg Psychiatry** 1986 Oct;49(10):1135–41

Changes of frequency spectrum of the CSF pulse wave caused by supratentorial epidural brain compression. Takizawa H, et al. **J Neurol Neurosurg Psychiatry** 1986 Dec;49(12):1367–73

Intracranial pressure changes and family presence. Hendrickson SL. **J Neurosci Nurs** 1987 Feb;19(1):14–7

Effect of intracranial pressure on bridging veins in rats. Auer LM, et al. **J Neurosurg** 1987 Aug;67(2):263–8

Intracerebral hematoma from subarachnoid bolt [letter] Gonzalez-Arias S. **J Neurosurg** 1986 Nov;65(5):728

Pressure-volume index as a function of cerebral perfusion pressure. Part 2: The effects of low cerebral perfusion pressure and autoregulation. Gray WJ, et al. **J Neurosurg** 1987 Sep;67(3):377–80

Pressure-volume index as a function of cerebral perfusion pressure. Part 1: The effects of cerebral perfusion pressure changes and anesthesia. Gray WJ, et al. **J Neurosurg** 1987 Sep;67(3):369–76

Transmission characteristics of pulse waves in the intracranial cavity of dogs. Kasuga Y, et al. **J Neurosurg** 1987 Jun; 66(6):907–14

Contribution of CSF and vascular factors to elevation of ICP in severely head-injured patients. Marmarou A, et al. **J Neurosurg** 1987 Jun;66(6):883–90

Effect of stimulation of the medullary reticular formation on cerebral vasomotor tonus and intracranial pressure. Nagao S, et al. **J Neurosurg** 1987 Apr;66(4):548–54

Continuous monitoring of intracranial pressure with a miniaturized fiberoptic device. Ostrup RC, et al. **J Neurosurg** 1987 Aug;67(2):206–9

Cerebral perfusion pressure, intracranial pressure, and head elevation. Rosner MJ, et al. **J Neurosurg** 1986 Nov; 65(5):636–41

Progressive ventricular enlargement in cats in the absence of transmantle pressure gradients. Shapiro K, et al. **J Neurosurg** 1987 Jul;67(1):88–92

Experimental intracerebral hemorrhage: effects of a temporary mass lesion. Sinar EJ, et al. **J Neurosurg** 1987 Apr;66(4):568–76

Effects of increased ICP on brain phosphocreatine and lactate determined by simultaneous 1H and 31P NMR spectroscopy. Sutton LN, et al. **J Neurosurg** 1987 Sep; 67(3):381–6

Relationship of acute CBF and ICP findings to neuropsychological outcome in severe head injury. Uzzell BP, et al. **J Neurosurg** 1986 Nov;65(5):630–5

Effect of total parenteral nutrition upon intracranial pressure in severe head injury. Young B, et al. **J Neurosurg** 1987 Jul;67(1):76–80

ICP recording in non tumoral aqueductal stenosis. Carteri A, et al. **J Neurosurg Sci** 1986 Jan–Jun;30(1–2):17–8

Epidural pressure measurement in the rat. Giulioni M, et al. **J Neurosurg Sci** 1986 Oct–Dec;30(4):177–81

Normal pressure hydrocephalus: relationship among clinical picture, CT scan and intracranial pressure monitoring. Pappadà G, et al. **J Neurosurg Sci** 1986 Jul–Sep; 30(3):115–21

Direct noninvasive assessment of brain metabolism during increased intracranial pressure: potential therapeutic vistas. Cairns CB, et al. **J Trauma** 1986 Oct;26(10):863–8

Changes in intracranial pressure and arterial blood pressure following electric stimulation to restricted regions in the cat brainstem. Matsuura S, et al. **Jpn J Physiol** 1986; 36(5):857–69

Intracranial flow patterns at increasing intracranial pressure. Klingelhöfer J, et al. **Klin Wochenschr** 1987 Jul 15; 65(12):542–5

Cauda equina tumor causing increased intracranial pressure. Maeda M, et al. **Kobe J Med Sci** 1986 Jun;32(3):97–104

Intracranial pressure measurement in newborn infants with subependymal, intraventricular hemorrhage (SEH/IVH) and/or ventriculomegaly after IVH—a preliminary report. Ishibashi A, et al. **Kurume Med J** 1986;33(2):69–76

Haemofiltration in management of patients with acute renal failure complicated by raised intracranial pressure [letter] Davenport A, et al. **Lancet** 1987 Jan 24;1(8526):216

Brain damage in non-missile head injury secondary to high intracranial pressure. Graham DI, et al. **Neuropathol Appl Neurobiol** 1987 May–Jun;13(3):209–17

Intracranial compliance is time-dependent. Anile C, et al. **Neurosurgery** 1987 Mar;20(3):389–95

Intracranial pressure measurement from the anterior fontanelle utilizing a pneumoelectronic switch. Bunegin L, et al. **Neurosurgery** 1987 May;20(5):726–31

Hydrocephalus: increased intracranial pressure and brain stem auditory evoked responses in the hydrocephalic rabbit. Foltz EL, et al. **Neurosurgery** 1987 Feb;20(2):211–8

Changes in the cerebrospinal fluid pulse wave spectrum associated with raised intracranial pressure. Takizawa H, et al. **Neurosurgery** 1987 Mar;20(3):355–61

Cerebrospinal fluid pulse pressure and the pulsatile variation in cerebral blood volume: an experimental study in dogs. van Eijndhoven JH, et al. **Neurosurgery** 1986 Oct; 19(4):507–22

Dialysis dysequilibrium syndrome in neurosurgical patients. Yoshida S, et al. **Neurosurgery** 1987 May;20(5):716–21

Intracranial hypertension: influence of nursing care activities. Mitchell PH. **Nurs Clin North Am** 1986 Dec;21(4):563–76 (45 ref.)

Epidural blood patch in the treatment of spontaneous low CSF pressure headache. Gaukroger PB, et al. **Pain** 1987 Apr;29(1):119–22

Lumbar puncture in the presence of increased intracranial pressure: the real danger. Sharp CG, et al. **Pediatr Emerg Care** 1987 Mar;3(1):39–43

Cerebral perfusion pressure in the high-risk premature infant. Yordy M, et al. **Pediatr Neurosci** 1985–86;12(4–5):226–31

Intratracheal suctioning in sick preterm infants: prevention of intracranial hypertension and cerebral hypoperfusion by muscle paralysis. Fanconi S, et al. **Pediatrics** 1987 Apr; 79(4):538–43

The respiratory aspect of the treatment of brain injury associated with acute alcohol intoxication—results of an animal experiment. Pfenninger E, et al. **Resuscitation** 1987 Jun;15(2):125–33

Cerebral venous blood gas tensions in elevated intracranial pressure. Grady PA, et al. **Stroke** 1986 Sep–Oct; 17(5):946–52

Tension pneumocephalus following nasal polypectomy. Misra BK, et al. **Surg Neurol** 1987 Oct;28(4):307–10

[Clinical significance of papilledema with extensive fundus hemorrhages caused by raised intracranial pressure] Fan ZJ. **Chung Hua Yen Ko Tsa Chih** 1987 May;23(3):143–4 (Eng. Abstr.) **(Chi)**

[Cerebral protection during carotid endarterectomy] Chacornac R, et al. **Agressologie** 1986 Jun;27(7):605–7 (Eng. Abstr.) **(Fre)**

[Cerebral elastance test and evaluation of cerebral autoregulation capacity in the assessment of the ischemic risk] Perrin G, et al. **Agressologie** 1986 Jun;27(7):577–9 (Eng. Abstr.) **(Fre)**

[Experimental analog devices for automatic stabilization of intracranial pressure in patients with external drainage] Texier JJ, et al. **Agressologie** 1986 Nov;27(10):847–50 (Eng. Abstr.) **(Fre)**

[Idiopathic hypotension of the cerebrospinal fluid] Jedynak CP, et al. **Rev Neurol (Paris)** 1986;142(12):937–8 (Eng. Abstr.) **(Fre)**

[Intracranial pressure and circulatory parameters with positive end-expiratory pressure (PEEP). The possibility of drug modification] Hoffmann P, et al. **Anaesthesist** 1986 Dec;35(12):721–33 (Eng. Abstr.) **(Ger)**

[The behavior of intracranial pressure under spontaneous respiration or artificial respiration in hemorrhagic shock during volume substitution] Pfenninger E, et al. **Anaesthesist** 1986 Aug;35(8):485–90 (Eng. Abstr.) **(Ger)**

[Epidural intracranial measurement of pressure using conventional pressure transducers. Introduction of a new method] Alesch F. **Anasth Intensivther Notfallmed** 1987 Feb;22(1):26–9 (Eng. Abstr.) **(Ger)**

[Continuous registration of intracranial pressure using disposable transducers] Piek J, et al. **Anasth Intensivther Notfallmed** 1987 Feb;22(1):30–2 (Eng. Abstr.) **(Ger)**

[Brain infarct caused by trauma-induced intracranial pressure elevation. Clinical and computerized x-ray tomography findings] Agnoli A, et al. **Dtsch Med Wochenschr** 1987 Jan 2;112(1):8–12 (Eng. Abstr.) **(Ger)**

[Chronic intracranial pressure and SIDS (letter)] Maresch W. **Dtsch Med Wochenschr** 1987 Feb 6;112(6):239 **(Ger)**

[Neurogenic cardiac arrhythmias in acute intracranial increase in pressure (recurrent hemorrhage in subarachnoid hemorrhages)] Stober T, et al. **Fortschr Neurol Psychiatr** 1986 Sep;54(9):297–304 (Eng. Abstr.) **(Ger)**

[Increased intracranial pressure in newborn infants] Lütschg J. **Monatsschr Kinderheilkd** 1987 Jul;135(7):446–9 **(Ger)**

[Decompressive craniotomy in severe craniocerebral trauma following unsuccessful treatment with barbiturates] Karlen J, et al. **Neurochirurgia (Stuttg)** 1987 Mar;30(2):35–9 (Eng. Abstr.) **(Ger)**

[Fatal intracranial increase in pressure caused by a colloid cyst of the 3d ventricle not diagnosed intra vitam] Hochmeister M, et al. **Wien Klin Wochenschr** 1987 Mar 20;99(6):194–6 (Eng. Abstr.) **(Ger)**

[Hydrocephalus in infancy. Normal cerebrospinal fluid dynamics, hydrocephalus—causes—therapy—lethality—prognosis] Hemmer R. **Z Geburtshilfe Perinatol** 1986 Nov–Dec; 190(6):233–42 (Eng. Abstr.) **(Ger)**

[Relation between epidural pressure and cerebrospinal fluid pressure in dogs] Asano M, et al. **Masui** 1987 Jan; 36(1):89–93 (Eng. Abstr.) **(Jpn)**

[Changes of epidural pressure and cerebrospinal fluid pressure during abdominal surgery] Asano M, et al. **Masui** 1986 Nov;35(11):1694–700 (Eng. Abstr.) **(Jpn)**

[Non-invasive measurement of intracranial pressure via the anterior fontanelle. New method for fixation of the measuring apparatus] Anegawa S, et al. **Neurol Med Chir (Tokyo)** 1986 Apr;26(4):291–5 (Eng. Abstr.) **(Jpn)**

[What is comprehensible from the infusion test? Experimental analysis of the pressure-response curve after a bolus infusion] Kitami K, et al. **Neurol Med Chir (Tokyo)** 1986 Aug;26(8):608–14 (Eng. Abstr.) **(Jpn)**

[What is comprehensible from the infusion test? Experimental analysis of the intracranial volume-pressure relationship] Kitami K, et al. **Neurol Med Chir (Tokyo)** 1986 Aug; 26(8):615–20 (Eng Abstr.) **(Jpn)**

[Treatment of increased intracranial pressure by hyperbaric oxygenation] Ohta H, et al. **Neurol Med Chir (Tokyo)** 1986 May;26(5):385–91 (Eng. Abstr.) **(Jpn)**

[Analysis of intracranial pressure and operative procedures for craniosynostosis] Oi S, et al. **Neurol Med Chir (Tokyo)** 1987 Feb;27(2):110–6 (Eng. Abstr.) **(Jpn)**

[Intracranial pressure induced by "blow" and "fall"—an experimental study with a physical model of the head and neck] Fujiwara S, et al. **Nippon Hoigaku Zasshi** 1986 Jun; 40(3):323–34 (Eng. Abstr.) **(Jpn)**

[The effect of brain-stem vasomotor centers on the neurogenic control of cerebrovascular tonus—Part 3. The effects of destruction and stimulation of the brain-stem on intracranial pressure in acute subarachnoid hemorrhage] Nagao S, et al. **No Shinkei Geka** 1986 Sep;14(10):1215–20 (Eng. Abstr.) **(Jpn)**

[Case of pseudotumor cerebri associated with macrocephalus] Asano N, et al. **No To Hattatsu** 1987 Jan;19(1):68–9 **(Jpn)**

[Brain blood flow studies with single photon emission computed tomography in patients with plateau waves] Hayashi M, et al. **No To Shinkei** 1986 Jul;38(7):685–91 (Eng. Abstr.) **(Jpn)**

[Mathematical model of brain edema and optimal control of intracranial pressure] Kumagai Y. **No To Shinkei** 1986 Sep;38(9):885–91 (Eng. Abstr.) **(Jpn)**

[Tolerance and plasticity against the intracranial pressure in cases of chronic subdural hematoma in the aged brain] Ogashiwa M, et al. **No To Shinkei** 1987 Apr;39(4):325–9 (Eng. Abstr.) **(Jpn)**

[Effects of hyperoxia, glycerol and ventricular drainage on ICP and CBF in patients with increased ICP due to CSF circulatory-absorbance disturbance] Ohta H, et al. **No To Shinkei** 1987 Mar;39(3):273–9 (Eng. Abstr.) **(Jpn)**

[Waveform caused by raised intracranial pressure—application of spectral analysis in the study of waveform] Takizawa H. **No To Shinkei** 1987 Feb; 39(2):135–42 (Eng. Abstr.) **(Jpn)**

[Intracranial pressure measurement with the Leeds bolt] Harboe S, et al. **Tidsskr Nor Laegeforen** 1986 Aug 20; 106(23):1827–9, 1856 (Eng. Abstr.) **(Nor)**

[Evaluation of cerebral blood flow in postoperative increased intracranial pressure] Zderkiewicz E. **Neurol Neurochir Pol** 1986 Jul–Aug;20(4):341–6 (Eng. Abstr.) **(Pol)**

[Effect of artificial pulmonary ventilation by mask and tracheal intubation during induction anesthesia on cerebrospinal fluid pressure in neurosurgical patients] Stolkarts IZ. **Anesteziol Reanimatol** 1986 Sep–Oct;(5):3–5 (Eng. Abstr.) **(Rus)**

[Effect of an increase in intracranial pressure on transvascular fluid movement in the brain] Krasil'nikov VG, et al. **Fiziol Zh SSSR** 1987 Jun;73(6):756–64 (Eng. Abstr.) **(Rus)**

[Features of volume and pressure pulsations during changes in "reserve space" within the cranial cavity] Simonov LG, et al. **Kosm Biol Aviakosm Med** 1987 Jan–Feb;21(1):61–6 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of atracurium on intracranial pressure in man. Unni VK, et al. **Anaesthesia** 1986 Oct;41(10):1047–9

Changes in anterior fontanel pressure in preterm neonates

receiving isoflurane, halothane, fentanyl, or ketamine. Friesen RH, et al. **Anesth Analg** 1987 May;66(5):431–4

The effects of local intraparenchymal pentobarbital on intracranial hypertension following experimental subarachnoid hemorrhage. Hayashi M, et al. **Anesthesiology** 1987 Jun;66(6):758–65

"Defasciculation" with metocurine prevents succinylcholine-induced increases in intracranial pressure. Stirt JA, et al. **Anesthesiology** 1987 Jul;67(1):50–3

Resuscitation from hemorrhagic shock. Alterations of the intracranial pressure after normal saline, 3% saline and dextran-40. Gunnar WP, et al. **Ann Surg** 1986 Dec; 204(6):686–92

Does a bolus of mannitol initially aggravate intracranial hypertension? A study at various PaCO2 tensions in dogs. Abou-Madi M, et al. **Br J Anaesth** 1987 May;59(5):630–9

Influence of bolus doses of phenoperidine on intracranial pressure and systemic arterial pressure in traumatic coma. Bingham RM, et al. **Br J Anaesth** 1987 May;59(5):592–5

Intracranial pressure changes during infusions of adenosine triphosphate and sodium nitroprusside. Thiagarajah S, et al. **Bull NY Acad Med** 1987 Mar;63(2):186–92

Effect of diltiazem-induced hypotension on normal and increased intracranial pressure of cats. Thiagarajah S, et al. **Can Anaesth Soc J** 1986 Sep;33(5):578–82

Clinical pharmacokinetic considerations in the treatment of increased intracranial pressure. Heinemeyer G. **Clin Pharmacokinet** 1987 Jul;13(1):1–25 (198 ref.)

Pentobarbital pharmacokinetics in patients with severe head injury. Wermeling DP, et al. **Drug Intell Clin Pharm** 1987 May;21(5):459–63

Intracranial hypertension and cerebrospinal fluid production in dogs: effects of furosemide. Miller TB, et al. **Exp Neurol** 1986 Oct;94(1):66–80

The effect of nimodipine on intracranial pressure. Volume-pressure studies in a primate model. Hadley MN, et al. **J Neurosurg** 1987 Sep;67(3):387–93

ICP reduction with furosemide and mannitol [letter] Heifetz MD. **J Neurosurg** 1987 Sep;67(3):475

Comparison of mannitol regimens in patients with severe head injury undergoing intracranial monitoring. Smith HP, et al. **J Neurosurg** 1986 Dec;65(6):820–4

Mannitol-induced hyperosmolality and cerebrospinal fluid vasopressin in anesthetized cats [published erratum appears in Neurosci Lett 1987 May 6;76(2):255] Rosenberg GA, et al. **Neurosci Lett** 1987 Mar 20;75(1):60–4

Reduction of experimental intracranial hypertension by lidocaine. Evans DE, et al. **Neurosurgery** 1987 Apr; 20(4):542–7

[Modification of intracranial pressure by propofol (Disoprivan). Initial results] Hartung HJ. **Anaesthesist** 1987 Feb;36(2):66–8 (Eng. Abstr.) **(Ger)**

[Intracranial pressure in patients with craniocerebral trauma after administration of propofol and thiopental] Hartung HJ. **Anaesthesist** 1987 Jun;36(6):285–7 (Eng. Abstr.) **(Ger)**

[Effect of various types of artificial respiration on raised intracranial pressure, associated with acute alcoholic intoxication] Pfenninger E, et al. **Anasth Intensivther Notfallmed** 1986 Dec;21(6):318–23 (Eng. Abstr.) **(Ger)**

[Thiopental kinetics in high-dose use] Taeger K, et al. **Anasth Intensivther Notfallmed** 1986 Oct;21(5):237–44 (Eng. Abstr.) **(Ger)**

[Effects of a combination of alcohol and increased intracranial pressure on cerebral pressure and vital functions] Nowak R, et al. **Beitr Gerichtl Med** 1986; 44:203–10 (Eng. Abstr.) **(Ger)**

[Intracranial pressure-controlled treatment of brain edema with glycerin and sorbitol in intracerebral hemorrhage] Haass A, et al. **Nervenarzt** 1987 Jan;58(1):22–9 (Eng. Abstr.) **(Ger)**

[Long-term behavior of ventricular fluid pressure in automatically controlled infusion therapy with sorbitol and relation to clinical and paraclinical parameters] Brachmann J, et al. **Zentralbl Neurochir** 1987;48(1):9–17 (Eng. Abstr.) **(Ger)**

[Optimization of osmotherapy using an intracranial pressure-dependent automatic control system in the postoperative phase following cerebral interventions] Brachmann J, et al. **Zentralbl Neurochir** 1987;48(1):18–29 (Eng. Abstr.) **(Ger)**

[Effect of isoflurane on intracranial pressure. Observations in 5 patients with expansive intracranial lesions] Mulazzi D, et al. **Minerva Anestesiol** 1986 Nov;52(11):401–3 (Eng. Abstr.) **(Ita)**

[Effects of halothane and enflurane on intracranial pressure in dogs under nitrous oxide-oxygen anesthesia] Ohmori K, et al. **Masui** 1986 Nov;35(11):1668–73 (Eng. Abstr.) **(Jpn)**

[Effect of blocking bilateral jugular venous outflow on intracranial pressure, compliance and CSF outflow resistance with thiamylal and ketamine in cats] Sakuma Y. **Masui** 1986 Oct;35(10):1473–81 (Eng. Abstr.) **(Jpn)**

[Effect of hemosorption with regional administration of heparin and protamine sulfate on cerebrospinal fluid pressure in severe cranio-cerebral trauma] Isaev IuV, et al. **Vestn Khir** 1986 Aug;137(8):103–4 **(Rus)**

[Thiopental in acute traumatic brain injury] Pouso J. **Medicina (B Aires)** 1986;46(3):257–61 (Eng. Abstr.) **(Spa)**

INTRADERMAL TESTS see under **SKIN TESTS**

INTRAMEDULLARY NAILING see **FRACTURE FIXATION, INTRAMEDULLARY**

INTRAOCULAR PRESSURE

see related
GLAUCOMA
OCULAR HYPERTENSION
TONOMETRY

Intraocular pressure reduction after argon laser trabeculoplasty in open-angle glaucoma. A two-year follow-up. Bergeå B. **Acta Ophthalmol (Copenh)** 1986 Aug; 64(4):401–6

Swelling pressure in bovine cornea determined by dialysis method. Midelfart A. **Acta Ophthalmol (Copenh)** 1987 Apr; 65(2):153–8

Hypotony and choroidal detachment as late complications of trabeculectomy. Burney EN, et al. **Am J Ophthalmol** 1987 May 15;103(5):685–8

Ocular palpation in pseudophakia. Feldman RM, et al. **Am J Ophthalmol** 1987 Sep 15;104(3):307

Intraocular and episcleral venous pressure increase during inverted posture. Friberg TR, et al. **Am J Ophthalmol** 1987 Apr 15;103(4):523–6

Clinical evaluation of the Oculab Tono-Pen. Minckler DS, et al. **Am J Ophthalmol** 1987 Aug 15;104(2):168–73

Exercise conditioning and intraocular pressure. Passo MS, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):754–7

Diurnal variation of intraocular pressure and the overriding effects of sleep. Frampton P, et al. **Am J Optom Physiol Opt** 1987 Jan;64(1):54–61

Anaesthesia and intra-ocular pressure in young children. A study of three different techniques of anaesthesia. Dear GD, et al. **Anaesthesia** 1987 Mar;42(3):259–65

Intraocular pressure changes during muscular hyperactivity after general anesthesia. Mahajan RP, et al. **Anesthesiology** 1987 Mar;66(3):419–21

Intraocular pressure following panretinal photocoagulation for diabetic retinopathy. Diabetic Retinopathy Report No. 11. Kaufman SC, et al. **Arch Ophthalmol** 1987 Jun; 105(6):807–9

Increased diameter of the anterior ciliary artery with increased intraocular pressure. Nanba K, et al. **Arch Ophthalmol** 1986 Nov;104(11):1652–5

Intraocular pressure assessment in gas-filled eyes following vitrectomy. Poliner LS, et al. **Arch Ophthalmol** 1987 Feb; 105(2):200–2

Optic nerve dysfunction during gravity inversion. Visual field abnormalities. Sanborn GE, et al. **Arch Ophthalmol** 1987 Jun;105(6):774–6

Self-tonometry to manage patients with glaucoma and apparently controlled intraocular pressure. Wilensky JT, et al. **Arch Ophthalmol** 1987 Aug;105(8):1072–5

Automated regulation of fluid infusion pressure during vitrectomy. Witherspoon CD, et al. **Arch Ophthalmol** 1986 Oct;104(10):1551

The detection and management of the acute rise in intraocular pressure following laser trabeculoplasty. Leung KW, et al. **Aust N Z J Ophthalmol** 1986 Aug;14(3):259–62

Neodymium-YAG transscleral cyclocoagulation in rabbit eyes. Devenyi RG, et al. **Br J Ophthalmol** 1987 Jun; 71(6):441–4

Intraocular pressure during cardiopulmonary bypass. Larkin DF, et al. **Br J Ophthalmol** 1987 Mar;71(3):177–80

Intraocular pressure, systemic blood pressure, and age: a correlational study. Schulzer M, et al. **Br J Ophthalmol** 1987 Apr;71(4):245–9

Fall in intraocular pressure during acute hypocalcemia in patients with insulin dependent diabetes [letter] Larkin DF, et al. **Br Med J [Clin Res]** 1987 May 23;294(6583):1353–4

In vivo determination of Young's modulus for the human cornea. Sjøntoft E, et al. **Bull Math Biol** 1987;49(2):217–32

The interrelationship between intraocular pressure and Honan Intraocular Pressure Reducer pressure. Green K, et al. **Curr Eye Res** 1986 Aug;5(8):621–3

Retrograde axoplasmic transport in rat optic nerve in vivo. What causes blockage at increased intraocular pressure? Johansson JO. **Exp Eye Res** 1986 Oct;43(4):653–60

Sensory nerve responses elicited by experimental ocular hypertension. Zuazo A, et al. **Exp Eye Res** 1986 Nov; 43(5):759–69

The pattern of distribution of intraocular pressure in the albino rabbit. Bar-Ilan A. **Graefes Arch Clin Exp Ophthalmol** 1986;224(5):469–72

Hypotony and experimental rubeosis iridis in primate eyes. A clinicopathologic study. Peyman GA, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(5):435–42

Decreased intraocular pressure in dogs with one-kidney, one wrapped hypertension. Bell DR, et al. **Hypertension** 1987 Aug;10(2):152–6

Correlation between intraocular pressure and biochemical changes in experimental glaucoma. Gupta MC, et al. **Indian J Ophthalmol** 1985 Sep-Oct;33(5):309–12

Effect of body position on intraocular pressure and aqueous flow. Carlson KH, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1346–52

A prospective study of intraocular pressure four months after extracapsular cataract extraction with implantation of posterior chamber lenses. Hansen TE, et al. **J Cataract Refract Surg** 1987 Jan;13(1):35–8

Postural behaviour of intraocular pressure. Singh M, et al. **Med J Malaysia** 1986 Mar;41(1):38–43

Pattern and flash electroretinogram following increased intraocular pressure in pigeons. Blondeau P, et al. **Ophthalmic Res** 1986;18(4):224–9

An intraoperative intraocular pressure monitor. Parel JM, et al. **Ophthalmic Surg** 1987 May;18(5):371–4

Vitreoretinal changes associated with rise in intraocular pressure after Nd:YAG capsulotomy. Schubert HD. **Ophthalmic Surg** 1987 Jan;18(1):19–22

Long-term follow-up of pseudoexfoliation and the development of elevated intraocular pressure. Henry JC, et al. **Ophthalmology** 1987 May;94(5):545–52

Intraocular pressure and visual field defects after argon laser trabeculoplasty in chronic open-angle glaucoma. Schultz JS, et al. **Ophthalmology** 1987 May;94(5):553–7

Cardioperipheral vascular effects of inversion on humans. Souza SA. **Phys Ther** 1987 May;67(5):680–7

A red eye and high intraocular pressure [clinical conference] Keltner JL, et al. **Surv Ophthalmol** 1987 Mar-Apr; 31(5):328–36

Ocular hypotony. Pederson JE. **Trans Ophthalmol Soc UK** 1986;105 (Pt 2):220–6 (34 ref.)

[A comparative study of the effect of intraocular pressure elevation on ERG and VECP in the rabbit] Shou TD, et al. **Sheng Li Hsueh Pao** 1985 Dec;37(6):567–71 (Eng. Abstr.) **(Chi)**

[Intraocular pressure after 3 different types of incisions in intracapsular cataract extraction] Rozsival P, et al. **Cesk Oftalmol** 1987 Mar;43(2):121–9 (Eng. Abstr.) **(Cze)**

[Hypothermia and tonometric and electrophysiologic changes] Salgado M, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:355–8 **(Fre)**

[Ocular pressure and computerized perimetry after trabeculoretraction. Middle-term study] Lebrère JP, et al. **Bull Soc Ophtalmol Fr** 1987 May;87(5):683–6, 691 **(Fre)**

[Suspension of the ciliary body. Surgical treatment of cyclodialysis] Risse JF. **Bull Soc Ophtalmol Fr** 1985 Oct; 85(10):1019–22, 1025–6 (Eng. Abstr.) **(Fre)**

[Glaucoma and pseudophakia] Renard G. **J Fr Ophtalmol** 1986;9(11):763–72 (52 ref.) **(Fre)**

[Tonometry in Merle dogs] Klinckmann G, et al. **DTW** 1987 Jun 9;94(6):337–8 (Eng. Abstr.) **(Ger)**

[Results and complications in experimental cyclocryocoagulation] Weber U, et al. **Fortschr Ophthalmol** 1986;83(5):570–2 (Eng. Abstr.) **(Ger)**

[Automatic measurement of intraocular pressure with an electronic sensor tonometer] Draeger J, et al. **Klin Monatsbl Augenheilkd** 1987 Jun;190(6):539–41 (Eng. Abstr.) **(Ger)**

[Changes in the outflow facility following cyclocryocoagulation in primary glaucoma. A tonographic study] Duy TP, et al. **Klin Monatsbl Augenheilkd** 1987 Feb; 190(2):99–102 (Eng. Abstr.) **(Ger)**

[Site and depth of glaucomatous visual field defects in relation to the size of the neuroretinal edge zone of the optic disk in glaucoma without hypertension, simple glaucoma, pigmentary glaucoma. A clinical study with the Octopus perimeter 201 and the optic nerve head analyzer] Gramer E, et al. **Klin Monatsbl Augenheilkd** 1986 Sep; 189(3):190–8 (Eng. Abstr.) **(Ger)**

[Intraocular pulse fluctuations in pressure in neovascularization glaucoma in comparison to other forms of glaucoma (results of direct manometric measurements)] Jaeger W. **Klin Monatsbl Augenheilkd** 1986 Aug; 189(2):104–9 (Eng. Abstr.) **(Ger)**

[Weather influences on intraocular pressure in patients with chronic glaucoma or ocular hypertension] Jonas J, et al. **Klin Monatsbl Augenheilkd** 1986 Dec;189(6):445–9 (Eng. Abstr.) **(Ger)**

[Temporal arteritis with hypotension syndrome and necrosis of the scalp] Schwarze U, et al. **Klin Monatsbl Augenheilkd** 1987 Mar;190(3):188–91 (Eng. Abstr.) **(Ger)**

[Significance of the intolerance index in glaucoma] Vodovozov AM, et al. **Klin Monatsbl Augenheilkd** 1987 Mar;190(3):170–2 (Eng. Abstr.) **(Ger)**

[Individually consistent (tolerable) intraocular pressure in glaucoma] Vodovozov AM. **Klin Monatsbl Augenheilkd** 1986 Oct;189(4):267–9 (Eng. Abstr.) **(Ger)**

[Experiences with a modified, intraocular pressure-reducing excision of the ciliary body] Welge-Lüssen L, et al. **Klin Monatsbl Augenheilkd** 1986 Sep;189(3):199–203 (Eng. Abstr.) **(Ger)**

["TOMEX" monitoring of intraocular pressure under microG conditions] Draeger J, et al. **Naturwissenschaften** 1986 Jul; 73(7):450–2 **(Ger)**

[Factors affecting success and intraocular pressure elevation after argon laser trabeculoplasty] Takenaka Y, et al. **Nippon Ganka Gakkai Zasshi** 1987 Apr;91(4):430–6 (Eng. Abstr.) **(Jpn)**

[Studies on the clinical differences between low-tension glaucoma and high-tension glaucoma (preliminary report)] Tanihara H, et al. **Nippon Ganka Gakkai Zasshi** 1987 Jan; 91(1):174–80 (Eng. Abstr.) **(Jpn)**

[Low tension glaucoma. IV. Comparative ophthalmodynamometry] Czajkowski J. **Klin Oczna** 1986 May;88(5):155–6 (Eng. Abstr.) **(Pol)**

[Low-pressure glaucoma] Cernea P, et al. **Rev Chir [Oftalmol]** 1986 Jul-Sep;30(3):203–10 (Eng. Abstr.) **(Rum)**

[Features of the state of the hemodynamics and hydrodynamics of the eyes of patients with glaucoma and glaucoma associated with macular dystrophy] Cherkasov IS, et al. **Oftalmol Zh** 1986;(8):476–8 (Eng. Abstr.) **(Rus)**

[Relation between changes in intraocular pressure and ocular hydrodynamics in diabetes mellitus and the character of its course] Kashintseva LT, et al. **Oftalmol Zh** 1986;(6):343–6 (Eng. Abstr.) **(Rus)**

[Hypotensive effect of scleroplasty as 1 of the pathogenetic mechanisms of its therapeutic action in progressive myopia] Kondratenko IuN, et al. **Oftalmol Zh** 1987;(1):34–6 (Eng. Abstr.) **(Rus)**

[Ophthalmotonus and the gonioscopic picture in different types of clinical refraction] Kondratenko IuN, et al. **Oftalmol Zh** 1986;(8):478–81 (Eng. Abstr.) **(Rus)**

[Individual tolerant intraocular pressure and its evaluation in the early diagnosis of primary glaucoma] Novak VA. **Oftalmol Zh** 1987;(4):223–6 (Eng. Abstr.) **(Rus)**

[Ophthalmotonus, hydrodynamics and the anterior chamber angle in age–related cataract] Pan'kiv VM, et al. **Oftalmol Zh** 1986;(7):421–3 (Eng. Abstr.) **(Rus)**

[Indices of the intraocular pressure and hydrodynamics of healthy rabbits] Ponomarchuk VS. **Oftalmol Zh** 1987;(1):56–8 (Eng. Abstr.) **(Rus)**

[Local electrophoretic fluorometry in the determination of ocular hydrodynamics] Polunin GS, et al. **Vestn Oftalmol** 1987 Jan–Feb;103(1):54–6 (Eng. Abstr.) **(Rus)**

[Ophthalmotonus and the gonioscopic picture in progressive and stable myopia] Sergienko NM, et al. **Vestn Oftalmol** 1986 Nov–Dec;102(6):20–3 (Eng. Abstr.) **(Rus)**

[Influence of increases in intrathoracic pressure on ocular tonus] Gómez Herreras JI, et al. **Rev Esp Anestesiol Reanim** 1986 Sep–Oct;33(5):345–8 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Trabeculectomy with the use of sodium hyaluronate. A prospective study. Raitta C, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):407–13

The effect of acetylcholine on early postoperative intraocular pressure. Hollands RH, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):749–53

The effect of intracameral carbachol on intraocular pressure after cataract extraction. Hollands RH, et al. **Am J Ophthalmol** 1987 Sep 15;104(3):225–8

Management of increased intraocular pressure after cataract extraction [published erratum appears in Am J Ophthalmol 1987 Aug 15;104(2):195] Ruiz RS, et al. **Am J Ophthalmol** 1987 Apr 15;103(4):487–91

Management of increased intraocular pressure after cataract extraction [letter] Wood TO, et al. **Am J Ophthalmol** 1987 Aug 15;104(2):195

A comparison between the effects of fentanyl, droperidol with fentanyl, and halothane anaesthesia on intra–ocular pressure in adults. Feneck RO, et al. **Anaesthesia** 1987 Mar; 42(3):266–9

The effect of different methods of inducing anesthesia on intraocular pressure. Badrinath SK, et al. **Anesthesiology** 1986 Oct;65(4):431–5

Levobunolol compared with timolol for the control of elevated intraocular pressure. Geyer O, et al. **Ann Ophthalmol** 1986 Oct;18(10):289–90, 292

Prostaglandins. Old concepts and new perspectives. Bito LZ. **Arch Ophthalmol** 1987 Aug;105(8):1036–9

Pilocarpine antagonizes prostaglandin F2 alpha–induced ocular hypotension in monkeys. Evidence for enhancement of Uveoscleral outflow by prostaglandin F2 alpha. Crawford K, et al. **Arch Ophthalmol** 1987 Aug; 105(8):1112–6

A comparison of the efficacy and toxicity of and intraocular pressure response to viscous solutions in the anterior chamber. Glasser DB, et al. **Arch Ophthalmol** 1986 Dec; 104(12):1819–24

Intraocular pressure effects of multiple doses of drugs applied to glaucomatous monkey eyes. Lee PY, et al. **Arch Ophthalmol** 1987 Feb;105(2):249–52

Decrease of ocular pressure with oral metyrapone. A double–masked crossover trial. Levi L, et al. **Arch Ophthalmol** 1987 Jun;105(6):777–81

Effects of topical ALO 2145 (p–aminoclonidine hydrochloride) on the acute intraocular pressure rise after argon laser iridotomy. Robin AL, et al. **Arch Ophthalmol** 1987 Sep;105(9):1208–11

Preventing a high rise in intraocular pressure after laser trabeculoplasty. Brooks AM, et al. **Aust N Z J Ophthalmol** 1987 May;15(2):113–7

Betaxolol eye drops as a safe medication to lower intraocular pressure. Brooks AM, et al. **Aust N Z J Ophthalmol** 1987 May;15(2):125–9

Therapeutic response interactions between timolol maleate and dipivefrin hydrochloride. West RH, et al. **Aust N Z J Ophthalmol** 1987 May;15(2):131–4

Comparison of the effects of etomidate and thiopentone on intraocular pressure. Calla S, et al. **Br J Anaesth** 1987 Apr; 59(4):437–9

Propofol or thiopentone: effects on intraocular pressure associated with induction of anaesthesia and tracheal intubation (facilitated with suxamethonium). Mirakhur RK, et al. **Br J Anaesth** 1987 Apr;59(4):431–6

Effects of increasing enflurane concentrations on intraocular pressure. Zindel G, et al. **Br J Anaesth** 1987 Apr; 59(4):440–3

Atracurium and intraocular pressure [letter] Maharaj RJ. **Br J Ophthalmol** 1986 Dec;70(12):935–6

Prostaglandin metabolism and intraocular pressure. Naveh–Floman N, et al. **Br J Ophthalmol** 1987 Apr; 71(4):254–6

Fall in intraocular pressure during acute hypoglycaemia in patients with insulin dependent diabetes. Frier BM, et al. **Br Med J [Clin Res]** 1987 Mar 7;294(6572):610–1

Ocular responses after intravenous lidocaine [letter] Drenger B, et al. **Can J Anaesth** 1987 Mar;34(2):219

Double–blind comparison of lidocaine, tubocurarine and diazepam pretreatment in modifying intraocular pressure increases. Mahajan RP, et al. **Can J Anaesth** 1987 Jan; 34(1):41–5

The effects of forskolin on cyclic AMP, intraocular pressure and aqueous humor formation in rabbits. Bartels SP, et al. **Curr Eye Res** 1987 Feb;6(2):307–20

Water soluble high molecular weight components from plants with potent intraocular pressure lowering activity. Deutsch HM, et al. **Curr Eye Res** 1987 May;6(5):733–4

Water soluble high molecular weight components from plants with potent intraocular pressure lowering activity. Deutsch HM, et al. **Curr Eye Res** 1987 Jul;6(7):949–50

Central effects of vasoactive intestinal polypeptide on intraocular pressure and body temperature in rabbits. Moolchandani J, et al. **Curr Eye Res** 1987 Jul;6(7):935–41

Prevention of IOP–rise following Nd–YAG laser capsulotomy with pre–operative timolol eye–drops and 1 tablet acetazolamide 250 mg systematically. Boen–Tan TN, et al. **Doc Ophthalmol** 1986 Dec 30;64(1):59–67

Avoiding eye damage from topical corticosteroids. **Drug Ther Bull** 1987 Apr 21;25(8):29–30

Effect of pretreatment with propranolol on intra–ocular pressure changes during induction of anaesthesia. Cook JH, et al. **Eur J Anaesthesiol** 1986 Nov;3(6):449–57

Synthetic atrial natriuretic factor lowers rabbit intraocular pressure. Sugrue MF, et al. **Eur J Pharmacol** 1986 Nov 4;130(3):349–50

2–Substituted 1, 3, 4–thiadiazole–5–sulfonamides as carbonic anhydrase inhibitors: their effects on the transepithelial potential difference of the isolated rabbit ciliary body and on the intraocular pressure of the living rabbit eye. Kishida K, et al. **Exp Eye Res** 1986 Dec;43(6):981–95

Effects of vasoactive intestinal polypeptide (VIP) on intraocular pressure, facility of outflow and formation of aqueous humor in the monkey. Nilsson SF, et al. **Exp Eye Res** 1986 Nov;43(5):849–57

Topical corticosteroid and intraocular pressure in high myopia. I. Study of pressure response. Amba SK, et al. **Indian J Ophthalmol** 1973 Sep;21(3):102–7

Evaluation of effects of clofibrate, an antilipaemic agent on intraocular pressure in experimental glaucoma. Gupta MC, et al. **Indian J Ophthalmol** 1985 Sep–Oct;33(5):313–5

Topical corticosteroids and intraocular pressure in high myopia. II. Study relationship of pressure response to age, diopteric power, degenerative changes in eye and scleral rigidity. Jain IS, et al. **Indian J Ophthalmol** 1973 Sep; 21(3):108–11

Muscle relaxants in relation to intraocular tension (a clinical study). Khan TZ, et al. **Indian J Ophthalmol** 1985 May–Jun; 33(3):155–62

Effect of timolol on intra–ocular pressure in the presence of systemic propranolol in healthy subjects. Sud RN, et al. **Indian J Ophthalmol** 1985 Jul–Aug;33(4):225–7

Aqueous prostaglandin E2 and intraocular pressure after argon laser trabeculoplasty in glaucoma patients pretreated with topical piroxicam. Dorigo MT, et al. **Int J Tissue React** 1987;9(1):73–5

Multiple dosing of prostaglandin F2 alpha or epinephrine on cynomolgus monkey eyes. I. Aqueous humor dynamics. Camras CB, et al. **Invest Ophthalmol Vis Sci** 1987 Mar; 28(3):463–9

Chorionic gonadotropin decreases intraocular pressure and aqueous humor flow in rabbit eyes. Elman J, et al. **Invest Ophthalmol Vis Sci** 1987 Jan;28(1):197–200

Iloprost, a stable prostacyclin analog, reduces intraocular pressure. Hoyng PF, et al. **Invest Ophthalmol Vis Sci** 1987 Mar;28(3):470–6

Intraocular hypotensive effect of a topically applied cortisol metabolite: 3 alpha, 5 beta–tetrahydrocortisol. Southren AL, et al. **Invest Ophthalmol Vis Sci** 1987 May;28(5):901–3

Ocular pharmacology of methazolamide analogs: distribution in the eye and effects on pressure after topical application. Maren TH, et al. **J Pharmacol Exp Ther** 1987 Apr; 241(1):56–63

Vasoactive intestinal peptide and intraocular pressure: adenylate cyclase activation and binding sites for vasoactive intestinal peptide in membranes of ocular ciliary processes. Mittag TW, et al. **J Pharmacol Exp Ther** 1987 Apr;241(1):230–5

Comparison of the anti–inflammatory activity and effect on intraocular pressure of fluoromethalone, clobetasone butyrate and betamethasone phosphate eye drops. Kadom AH, et al. **Ophthalmic Physiol Opt** 1986;6(3):313–5

Water–soluble methochloride of RU 486 fails to reduce intraocular pressure in normal rabbits. Phillips CI, et al. **Ophthalmic Res** 1987;19(1):61–4

Effect of intravitreal silicone oil on intraocular pressure. de Corral LR, et al. **Ophthalmic Surg** 1987 Jun;18(6):446–9

The effects of forskolin eye drops on intra–ocular pressure. Meyer BH, et al. **S Afr Med J** 1987 May 2;71(9):570–1

Ocular hypotensive effect of haloperidol. Sheppard J, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(1):362–70

[Effects of propofol on intraocular pressure during the induction of anesthesia] Lévêque M, et al. **Ann Fr Anesth Reanim** 1987;6(4):306–8 (Eng. Abstr.) **(Fre)**

[Comparative study of the effect of muscle relaxants on the intraocular pressure] Jantzen JP, et al. **Anaesthesist** 1987 May;36(5):223–7 (Eng. Abstr.) **(Ger)**

[Comparative study of the behavior of intraocular pressure in anesthesia induction by diazepam and midazolam] Hirlinger WK, et al. **Anasth Intensivther Notfallmed** 1986 Dec;21(6):324–6 (Eng. Abstr.) **(Ger)**

[Effect of various beta blockers on intraocular pressure and ventilation] Bleckmann H, et al. **Fortschr Ophthalmol** 1986; 83(5):567–9 (Eng. Abstr.) **(Ger)**

[Behavior of postoperative intraocular pressure following iridectomy and capsulotomy using a neodymium:YAG laser with reference to the effect of indomethacin] Gabel VP, et al. **Fortschr Ophthalmol** 1987;84(1):76–9 (Eng. Abstr.) **(Ger)**

[Vascular effect and intraocular pressure–reducing effect of beta blockers] Merté HJ. **Klin Monatsbl Augenheilkd** 1986 Nov;189(5):396–7 (Eng. Abstr.) **(Ger)**

[The effect of alpha–human atrial natriuretic polypeptides (alpha–hANP) on intraocular pressure in albino rabbits. First report: In albino rabbits with normal intraocular pressure] Sasaki T, et al. **Nippon Ganka Gakkai Zasshi** 1986 Oct;90(10):1232–4 (Eng. Abstr.) **(Jpn)**

[Effect of nitroglycerin on intraocular pressure] Debowska–Weissowa J, et al. **Klin Oczna** 1986 May; 88(5):153–4 (Eng. Abstr.) **(Pol)**

[Effect of collagen–based solutions of adrenaline at different concentrations on intraocular pressure] Grusha OV, et al. **Oftalmol Zh** 1986;(5):309–11 (Eng. Abstr.) **(Rus)**

[Study of the possibilities of preventing glaucoma] Kryzhanovskiĭ GN, et al. **Oftalmol Zh** 1987;(4):233–6 (Eng. Abstr.) **(Rus)**

INTRAOPERATIVE CARE

Intraoperative sonography in spinal dysraphism and syringohydromyelia. Quencer RM, et al. **AJR** 1987 May; 148(5):1005–13

Gastrointestinal anastomotic healing during treatment with perioperative 5–fluorouracil. Lelcuk S, et al. **Am J Clin Oncol** 1987 Aug;10(4):317–9

Role of preoperative hemodynamic monitoring in intraoperative fluid management. Yang SC, et al. **Am Surg** 1986 Oct;52(10):536–40

Postoperative quadriplegia after spinal fusion for scoliosis with intraoperative awakening. Diaz JH, et al. **Anesth Analg** 1987 Oct;66(10):1039–42

Hemodialysis during cardiopulmonary bypass: report of twelve cases. Murkin JM, et al. **Anesth Analg** 1987 Sep; 66(9):899–901

Evaluation of intraoperative transesophageal two–dimensional echocardiography. Abel MD, et al. **Anesthesiology** 1987 Jan;66(1):64–8

Validation of quantitative intraoperative transesophageal echocardiography. Konstadt SN, et al. **Anesthesiology** 1986 Oct;65(4):418–21

A new method for maintaining body temperature in children [letter] Nightingale P, et al. **Anesthesiology** 1986 Oct; 65(4):447–8

Glucose concentrations for routine intravenous infusion in pediatric outpatient surgery. Welborn LG, et al. **Anesthesiology** 1987 Sep;67(3):427–30

Is a drip necessary for a cholecystectomy? [letter] **Ann R Coll Surg Engl** 1986 Sep;68(5):291–2

Delivery of intraoperative radiation therapy after pneumonectomy: experimental observations and early clinical results. Pass HI, et al. **Ann Thorac Surg** 1987 Jul; 44(1):14–20

Intraoperative transesophageal two–dimensional echocardiography in total hip replacement. Ulrich C, et al. **Arch Orthop Trauma Surg** 1986;105(5):274–8

A simple intraoperative assessment of saphenous vein arterial grafts [letter] Le Maitre GD. **Arch Surg** 1987 Jan;122(1):121

Anaesthesia for patients with cardiac disease. Intraoperative management. Ballard P. **Br J Hosp Med** 1987 May; 37(5):398–404, 407, 410

Persistent atrial activity during cardioplegic arrest: suppression by verapamil. Cherry DA, et al. **Can J Cardiol** 1986 Sep–Oct;2(5):282–4

Intraoperative atrial protection (reviewers comments) [editorial] Weisel RD, et al. **Can J Cardiol** 1986 Sep–Oct; 2(5):261–2

Intraoperative radiation therapy in patients with bladder cancer. A review of techniques allowing improved tumor doses and providing high cure rates without loss of bladder function. Shipley WU, et al. **Cancer** 1987 Oct 1;60(7):1485–8 (13 ref.)

Intra– and postoperative use of albumin. Clinical indications and results. Boutros A. **Curr Stud Hematol Blood Transfus** 1986;(53):180–5

Intraoperative high–flow antegrade irrigation [letter] Laura EA. **Dis Colon Rectum** 1987 Mar;30(3):227

Peroperative lavage of the obstructed left colon to allow safe primary anastomosis. Pollock AV, et al.

Dis Colon Rectum 1987 Mar;30(3):171–3
Intraoperative radiation therapy. Kirchner AB, et al. **J Med Assoc Ga** 1986 Aug;75(8):512–4
Ephedrine: a possible alternative for treatment of penile erection in connection with transurethral resection of prostatic or bladder tumors [letter] Sundien E, et al. **J Urol** 1987 Aug;138(2):411
A comparison of B-mode real-time imaging and arteriography in the intraoperative assessment of carotid endarterectomy. Dilley RB, et al. **J Vasc Surg** 1986 Nov; 4(5):457–63
Angioscopically monitored saphenous vein valvulotomy. Fleisher HL 3d, et al. **J Vasc Surg** 1986 Oct;4(4):360–4
An intraoperative intraocular pressure monitor. Parel JM, et al. **Ophthalmic Surg** 1987 May;18(5):371–4
Intraoperative radiotherapy. Taylor HF. **Radiol Technol** 1982 Sep–Oct;54(1):23–5
Is routine intra-operative cholangiography warranted? Karusseit VO, et al. **S Afr J Surg** 1987 Jun;25(2):54–5
Prognostic significance of pancreatic tumor regression after intraoperative radiotherapy. Nishimura A, et al. **Strahlenther Onkol** 1987 Jun;163(6):350–6
Second International Symposium on the Perioperative Care of Liver Transplant Recipients. September 13–14, 1986, Pittsburgh, Pennsylvania. Proceedings. **Transplant Proc** 1987 Aug;19(4 Suppl 3):1–75
[Acute myocardial changes during the surgical treatment of acquired and congenital cardiopathies under echocardiographic control] Prodanov A, et al. **Khirurgiia (Sofiia)** 1987;40(1):1–7 (Eng. Abstr.) **(Bul)**
[Coordination of the redressment of the single cardioventricle] Wang ZP, et al. **Chung Hua Hu Li Tsa Chih** 1986 Nov;21(8):350–1 **(Chi)**
[Intraoperative radiotherapy] Hoekstra HJ, et al. **Ned Tijdschr Geneeskd** 1986 Nov 15;130(46):2075–7 **(Dut)**
[Control of diabetes in the peroperative period using continuous intravenous insulin infusion with a pump] Mandart G, et al. **Acta Gastroenterol Belg** 1986 Mar–Apr; 49(2):240–4 (Eng. Abstr.) **(Fre)**
[Peroperative autotransfusion] Janvier G, et al. **Ann Fr Anesth Reanim** 1986;5(3):272–7 (Eng. Abstr.) **(Fre)**
[Peroperative radiotherapy. Initial experience at the Red Cross Hospital] De Laroche G, et al. **J Chir (Paris)** 1986 Nov;123(11):611–20 (Eng. Abstr.) **(Fre)**
[Cloxacillin concentration in suction fluid following flash antibiotic therapy during insertion of a hip prosthesis] Loulergue J, et al. **Pathol Biol (Paris)** 1986 May;34(5):521–4 (Eng. Abstr.) **(Fre)**
[Intraoperative radiotherapy] Hata K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1564–9 (Eng. Abstr.) **(Jpn)**
[Peroperative cholangiography in elective cholecystectomy] Jensen MH, et al. **Tidsskr Nor Laegeforen** 1986 Jun 30; 106(19–21):1559–61 (Eng. Abstr.) **(Nor)**
[Intraoperative ultrasonic study of the pancreas] Gavrilin AV, et al. **Klin Khir** 1986;(11):38–40 (Eng. Abstr.) **(Rus)**
[Ultrasonic and intraoperative diagnosis of diseases of the gallbladder and pancreas] Antonov OS, et al. **Klin Med (Mosk)** 1986 Oct;64(10):83–5 (Eng. Abstr.) **(Rus)**
[Comprehensive intraoperative bacteriological diagnosis of calculous pyelonephritis] Shabad AL, et al. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):17–22 (Eng. Abstr.) **(Rus)**
[Clinical trial of the use of the preparation Healon in surgery of the anterior segment of the eye] Egorova EV, et al. **Vestn Oftalmol** 1987 May–Jun;103(3):26–8 (Eng. Abstr.) **(Rus)**
[Intraoperative echography] Hernández N Jr. **Rev Fac Cien Med Univ Nac Cordoba** 1985;43(1):11–6 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

On using a self-tuning controller for blood pressure regulation during surgery in man. Millard RK, et al. **Comput Biol Med** 1987;17(1):1–18

METHODS

Intraoperative Doppler color flow mapping for assessment of valve repair for mitral regurgitation. Maurer G, et al. **Am J Cardiol** 1987 Aug 1;60(4):333–7
Outflow resistance measurement during infrainguinal arterial reconstructions: a reliable predictor of limb salvage. Ascer E, et al. **Am J Surg** 1987 Aug;154(2):185–8
Intraoperative carotid arteriography. A comparison of two techniques. Hans SS. **Am J Surg** 1987 Jun;153(6):525–9
Intraoperative transesophageal color flow mapping: initial experience. de Bruijn NP, et al. **Anesth Analg** 1987 May; 66(5):386–90
High-frequency jet ventilation for resection of congenital lobar emphysema. Goto H, et al. **Anesth Analg** 1987 Jul; 66(7):684–6
A simple way to monitor inspired oxygen concentration in nonrebreathing circuits [letter] Kataria B, et al. **Anesth Analg** 1987 Oct;66(10):1049
Detection of systemic to pulmonary shunt by end-tidal carbon dioxide concentration [letter] Means LJ, et al. **Anesth Analg** 1987 Oct;66(10):1055–6
Intraoperative, two-dimensional echocardiography-guided removal of retained intracardiac air. Diehl JT, et al. **Ann Thorac Surg** 1987 Jun;43(6):674–5
Intraoperative fine-needle aspiration and rapid diagnosis of thoracic lesions. Christ ML, et al. **Appl Pathol** 1986; 4(3):125–31
Insulin infusion (GIK) in the treatment of type 2 (non-insulin dependent) diabetes during the perioperative period. Thomas DJ, et al. **Br J Surg** 1986 Nov;73(11):898–901
Recent progress in myocardial protection during cardiac operations. Buckberg GD. **Cardiovasc Clin** 1987; 17(3):291–319 (84 ref.)
Intraoperative evaluation of mitral regurgitation by Doppler color flow mapping. Czer LS, et al. **Circulation** 1987 Sep; 76(3 Pt 2):III108–16
Identification of risk factors for spinal cord ischemia by the use of monitoring of somatosensory evoked potentials during coarctation repair. Dasmahapatra HK, et al. **Circulation** 1987 Sep;76(3 Pt 2):III14–8
Endocardial catheter mapping: wire skeleton technique for representation of computed arrhythmogenic sites compared with intraoperative mapping. Hauer RN, et al. **Circulation** 1986 Dec;74(6):1346–54
The effect of air embolization from the femoral canal on hemodynamic parameters during hip arthroplasty. Hofmann AA, et al. **Clin Orthop** 1987 May;(218):290–6
Surgery on patients with malignant hyperthermia. Lekas MD, et al. **Ear Nose Throat J** 1986 Sep;65(9):38–44
Papillitis: a critical appraisal based on intraoperative radiomanometric evaluation. Farinon AM, et al. **Ital J Surg Sci** 1987;17(1):31–6
Skin grafting: perioperative technique and management. Salasche SJ, et al. **J Dermatol Surg Oncol** 1987 Aug; 13(8):863–9
Use of the 90Sr applicator for intraoperative radiation therapy in a mouse tumor model. Hill HZ, et al. **J Surg Oncol** 1987 Apr;34(4):264–7
Combined femorotibial bypass and distal intraoperative transluminal angioplasty. Kugel RD, et al. **J Vasc Surg** 1986 Nov;4(5):533–5
Improved preservation of facial nerve function with use of electrical monitoring during removal of acoustic neuromas. Harner SG, et al. **Mayo Clin Proc** 1987 Feb;62(2):92–102
Hearing preservation after acoustic neuroma surgery with intraoperative direct eighth cranial nerve monitoring: Part II. A classification of results. Silverstein H, et al. **Otolaryngol Head Neck Surg** 1986 Oct;95(3 Pt 1):285–91
Intraoperative ultrasonic imaging of the carotid artery during carotid endarterectomy. Flanigan DP, et al. **Surgery** 1986 Nov;100(5):893–9
Anesthesia for pediatric hepatic transplantation: experience of 33 cases. Carlier M, et al. **Transplant Proc** 1987 Aug; 19(4):3333–7
Operative renal radiography. Roth D, et al. **Urology** 1987 May;:12–3
[Short-course acidification of gastric juice: a new method in preventing wound infection after esophageal and gastric operations] Li HM. **Chung Hua Wai Ko Tsa Chih** 1986 Jun;24(6):379–80, 384 (Eng. Abstr.) **(Chi)**
[Intraoperative monitoring with M-mode transesophageal echocardiography; monitoring of the cardiac function by aortic valve echograms] Suzuki A, et al. **Masui** 1987 Apr; 36(4):549–54 (Eng. Abstr.) **(Jpn)**
[Rapid diagnosis of tumors and tumor-like formations of the ovaries during surgery] Zorina NI, et al. **Akush Ginekol (Mosk)** 1986 Nov;(11):16–8 (Eng. Abstr.) **(Rus)**
[Comparative evaluation of different methods of electroacupuncture analgesia during operations on surgical patients] Ponomarenko TP, et al. **Anesteziol Reanimatol** 1987 Mar–Apr;(2):25–7 (Eng. Abstr.) **(Rus)**
[Visual angiotensometry in operations for acute intestinal obstruction and strangulated hernia] Rukhliada NV, et al. **Vestn Khir** 1987 Jan;138(1):33–6 (Eng. Abstr.) **(Rus)**

TRENDS

Intraoperative biliary diagnostic modalities: present and future. Berci G. **Ital J Surg Sci** 1987;17(1):67–70

INTRAOPERATIVE COMPLICATIONS

Evidence for brain engorgement as the initial cause of brain swelling following intraoperative aneurysm rupture in man after subarachnoid haemorrhage. Pickard JD, et al. **Acta Physiol Scand [Suppl]** 1986;552:94–5
Posterior ischemic optic neuropathy during general surgery. Rizzo JF 3d, et al. **Am J Ophthalmol** 1987 Jun 15; 103(6):808–11
Unusual presentation and novel solution for hemodynamic compromise during thoracic surgery. Wall RT, et al. **Anesthesiology** 1987 Apr;66(4):566–8
Macula hemorrhage during intraocular surgery. Tornambe PE. **Ann Ophthalmol** 1986 Oct;18(10):301–4
Air embolism: a potentially lethal surgical complication. Temple AP, et al. **AORN J** 1987 Feb;45(2):387–9, 392–9, 402
Quinine-induced thrombocytopenia complicating eyelid surgery. Case report. Shaw HE, et al. **Arch Ophthalmol** 1987 Sep;105(9):1176
Pneumothorax and pulmonary embolism complicating post-traumatic hip surgery. Oxorn DC, et al. **Can J Anaesth** 1987 Mar;34(2):174–7
Inadvertant atrial fixation of a Swan-Ganz catheter by suture and a method for its percutaneous removal. Wholey MH, et al. **Cardiovasc Intervent Radiol** 1987;10(3):171–4
Intraoperative anesthetic complications. Milam SB. **Dent Clin North Am** 1987 Jan;31(1):97–115
Effects of coronary artery revascularization and perioperative myocardial infarction on left ventricular wall motion. Melandri G, et al. **Int J Cardiol** 1987 Apr; 15(1):47–54
Cranial and cervical nerve injuries: local complications of carotid artery surgery. Weiss K, et al. **J Cardiovasc Surg (Torino)** 1987 Mar–Apr;28(2):171–5
Perioperative myocardial infarction. Lambert LA. **J Miss State Med Assoc** 1986 Oct;27(10):259–61
Intraoperative management of penile erection with intracorporeal phenylephrine during endoscopic surgery. Walther PJ, et al. **J Urol** 1987 Apr;137(4):738–9
Complications of a medical unit, self-contained transportable operating room adapted to fixed facility standards in the continental United States—the first 200 cases. LaPorta AJ, et al. **Milit Med** 1987 Jun;152(6):294–5
Risk factors for intraoperative complications in 1000 extracapsular cataract cases. Guzek JP, et al. **Ophthalmology** 1987 May;94(5):461–6
[Severe acute intravascular hemolysis in a surgical hemorrhagic context] Cloez O, et al. **Ann Fr Anesth Reanim** 1986;5(5):544–6 (Eng. Abstr.) **(Fre)**
[Blood sodium disorders] Caillard B, et al. **Cah Anesthesiol** 1986 Dec;34(8):691–6 (19 ref.) **(Fre)**
[Nonketotic hyperosmolar hyperglycemic coma in the early period of emergency CABG surgery] Mizutani A, et al. **Masui** 1987 Mar;36(3):427–32 (Eng. Abstr.) **(Jpn)**
[Peroperative and operative complications in aneurysms of the cerebral vessels] Nádvorník P, et al. **Cesk Neurol Neurochir** 1986 Sep;49(5):287–92 (Eng. Abstr.) **(Slo)**

BLOOD

Effects of progressive blood loss on coagulation as measured by thrombelastography. Tuman KJ, et al. **Anesth Analg** 1987 Sep;66(9):856–63
Monitoring of blood gas tensions and pH during surgical operations. Tice DA, et al. **Arch Surg** 1968 Feb; 96(2):247–51
[Isolated increase in the bleeding time: the hemorrhagic risk and therapeutic problems] Ranchère JY, et al. **Ann Fr Anesth Reanim** 1986;5(3):315–7 (Eng. Abstr.) **(Fre)**
[The eventration syndrome: prostacyclin liberation and acute hypoxemia due to eventration of the small intestine] Seeling W, et al. **Anaesthesist** 1986 Dec;35(12):738–43 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Histamine metabolism after adverse reactions due to d-tubocurarine administration. Oosting E, et al. **Agents Actions** 1987 Jun;21(1–2):54–61
Glucose: a reevaluation of its intraoperative use. Sieber FE, et al. **Anesthesiology** 1987 Jul;67(1):72–81

DIAGNOSIS

Myocardial ischaemia during non-cardiac surgery. A comparison of different lead systems using computerised ST segment analysis. Griffin RM, et al. **Anaesthesia** 1987 Feb;42(2):155–9
Intraoperative esophageal electrocardiography for dysrhythmia analysis and therapy in pediatric cardiac surgical patients. Greeley WJ, et al. **Anesthesiology** 1986 Dec;65(6):669–72
The detection of microemboli in the middle cerebral artery during cardiopulmonary bypass: a transcranial Doppler ultrasound investigation using membrane and bubble oxygenators. Padayachee TS, et al. **Ann Thorac Surg** 1987 Sep;44(3):298–302
Increased alveolar deadspace after closure of cardiac septal defects: pulmonary air embolism or failure of homeostasis? Fletcher R, et al. **Clin Physiol** 1986 Oct;6(5):423–30
Early detection and treatment of a leaking gastrojejunostomy following gastric bypass. Ovnat A, et al. **Isr J Med Sci** 1986 Jul–Aug;22(7–8):556–8
Do we monitor enough? We don't monitor enough. Block FE Jr. **J Clin Monit** 1986 Oct;2(4):267–9
Intraoperative spinal somatosensory evoked potential monitoring. Dinner DS, et al. **J Neurosurg** 1986 Dec; 65(6):807–14
[Symptoms of acute cerebral hernia following induction of anesthesia in hydrocephalus—malignant hyperthermia in reality] Sold M, et al. **Anaesthesist** 1986 Oct;35(10):634–8 (Eng. Abstr.) **(Ger)**
[Significance of intraoperative sonography] Sigel B, et al. **Chirurg** 1987 Apr;58(4):207–12 **(Ger)**
[Measurement of creatine-kinase isoenzymes during open heart surgery—elevation of CK-BB and organ failure] Natsuaki M, et al. **Kyobu Geka** 1986 Dec;39(12):949–52 (Eng. Abstr.) **(Jpn)**
[Unusual ECG changes occurring during the transvenous destruction of the atrioventricular junction simulating a myocardial infarct] Grigorov SS, et al. **Kardiologiia** 1986 Aug;26(8):99–101 **(Rus)**

DRUG THERAPY

[Atropine in intraoperative isorhythmic AV dissociation] Knüttgen D, et al. **Anasth Intensivther Notfallmed** 1987 Jun; 22(3):124–7 (Eng. Abstr.) **(Ger)**

[Treatment of hypertensive crises with nifedipine (Adalat) in patients at risk of infarct during interventions on the extracranial cerebral vessels] Müller C, et al. **Anasth Intensivther Notfallmed** 1987 Apr;22(2):78–83 (Eng. Abstr.) **(Ger)**

[A study on hemorrhage during and after operation of TURP (transurethral prostatic resection)—effect of morphine or buprenorphine for suppression of postoperative hemorrhage by epidural infusion] Kato H, et al. **Hinyokika Kiyo** 1986 Jun;32(6):827–33 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Perioperative autonomic hyperreflexia in high spinal cord lesions: a case report. Raeder JC, et al. **Acta Anaesthesiol Scand** 1986 Nov;30(8):672–3

Cerebral protection in carotid surgery [letter] Imparato AM. **Am J Surg** 1987 Jun;153(6):581

Respiratory obstruction following vocal cord injection. A complication on induction of anaesthesia. Bodenham A, et al. **Anaesthesia** 1987 Mar;42(3):289–92

Pyrexia associated with a retroperitoneal tumour [letter] Eddleston JM. **Anaesthesia** 1987 Feb;42(2):213–4

Buprenorphine, benzodiazepines and prolonged respiratory depression [letter] Sekar M, et al. **Anaesthesia** 1987 May; 42(5):567–8

Schwannoma of the vagus nerve. Wood BM, et al. **Anaesthesia** 1986 Nov;41(11):1130–2

Paradoxical air embolism during hip surgery [letter] Young C, et al. **Anaesthesia** 1986 Nov;41(11):1162–3

Esophageal intubation [letter] **Anesth Analg** 1987 May; 66(5):481–3

Inappropriate attachment of PEEP valve causing total obstruction of ventilation bag [letter] Arellano R, et al. **Anesth Analg** 1987 Oct;66(10):1050–1

Tonic–clonic activity after sufentanil [letter] Brian JE Jr, et al. **Anesth Analg** 1987 May;66(5):481

Pulmonary dysfunction during one–lung ventilation caused by HLA–specific antibodies against leukocytes. De Wolf AM, et al. **Anesth Analg** 1987 May;66(5):463–7

Tension pneumoperitoneum–pneumothorax during repair of congenital diaphragmatic hernia. Diaz JH. **Anesth Analg** 1987 Jun;66(6):577–80

Pericardial and subcutaneous air after maxillary surgery [letter] Orr DL 2d. **Anesth Analg** 1987 Sep;66(9):921

Nitrous oxide should not be used during laser endoscopic surgery [letter] Sosis M. **Anesth Analg** 1987 Oct; 66(10):1054–5

Accidental hyperthermia as a complication of extracorporeal shock–wave lithotripsy under general anesthesia. Higgins TL, et al. **Anesthesiology** 1987 Mar;66(3):389–91

Transient hypoxemia from a transient right–to–left shunt in a child during emergence from anesthesia. Moorthy SS, et al. **Anesthesiology** 1987 Feb;66(2):234–5

Corneal abrasion during induction [letter] Watson WJ, et al. **Anesthesiology** 1987 Mar;66(3):440

The effect of pericardial insulation on hypothermic phrenic nerve injury during open–heart surgery. Esposito RA, et al. **Ann Thorac Surg** 1987 Mar;43(3):303–8

Atheroembolic perioperative infarction during repeat coronary bypass surgery: angiographic documentation in a survivor. FitzGibbon GM, et al. **Ann Thorac Surg** 1987 Feb;43(2):218–9

Intraoperative cardiovascular crisis caused by glucagon. Schorr RT, et al. **Arch Surg** 1987 Jul;122(7):833–4

Cardiac arrest following i.v. verapamil combined with halothane anaesthesia [letter] Møller IW. **Br J Anaesth** 1987 Apr;59(4):522–3

Ventricular fibrillation during general anaesthesia in a seven–year–old patient with mitral valve prolapse. Casthely PA, et al. **Can Anaesth Soc J** 1986 Nov;33(6):795–8

Intraoperative cyanosis: a case of dapsone–induced methaemoglobinaemia. Mayo W, et al. **Can J Anaesth** 1987 Jan;34(1):79–82

Radial nerve damage as a complication of elbow arthroscopy. Thomas MA, et al. **Clin Orthop** 1987 Feb;(215):130–1

Perioperative stroke: the noncardiac surgery patient. Hindman BJ. **Int Anesthesiol Clin** 1986 Winter;24(4):101–34 (151 ref.)

Incidence of myocardial ischemia during carotid endarterectomy. Coriat P, et al. **Int Angiol** 1986 Jul–Sep; 5(3):203–6

Reconstruction of the ulnar collateral ligament in athletes [letter] Wittlinger AP. **J Bone Joint Surg [Am]** 1987 Jul; 69(6):953–4

Iatrogenic subtrochanteric fracture: a complication of Zickel nails. Yelton C, et al. **J Bone Joint Surg [Am]** 1986 Oct; 68(8):1237–40

Neonatal hyperglycemia during surgery [letter] Anand KJ. **J Pediatr** 1987 Jun;110(6):999

Retrograde air embolization in coronary operations. Robicsek F, et al. **J Thorac Cardiovasc Surg** 1987 Jul;94(1):110–4

Perioperative and postoperative complications from bilateral pelvic lymphadenectomy and radical retropubic prostatectomy. Igel TC, et al. **J Urol** 1987 Jun; 137(6):1189–91

Bilateral compartmental syndrome after prolonged surgery in the lithotomy position. Khalil IM. **J Vasc Surg** 1987 Jun;5(6):879–81

Ciliochoroidal detachment [editorial] Katz LJ. **Ophthalmic Surg** 1987 Mar;18(3):175

Unplugging of prolene IOL loops. Jonasson F, et al. **Ophthalmologica** 1987;194(1):9–11

Hazard of nasal oxygen during aesthetic facial operations [letter] Eade GG. **Plast Reconstr Surg** 1986 Oct;78(4):539

Postreperfusion syndrome: cardiovascular collapse following hepatic reperfusion during liver transplantation. Aggarwal S, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):54–5

Reperfusion coagulopathy during human liver transplantation. Bellani KG, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):71–2

Acid–base status during and after orthotopic liver transplantation. Fortunato FL Jr, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):59–60

[Operative bleeding tendency in patients with polycythemia in plateau regions] Liu YM, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Aug;24(8):461–3, 508–9 (Eng. Abstr.) **(Chi)**

[Comparative effect of halothane and isoflurane on peroperative cardiac arrhythmias] Courtinat C, et al. **Ann Fr Anesth Reanim** 1986;5(4):372–5 (Eng. Abstr.) **(Fre)**

[Arrhythmogenic right ventricular dysplasia revealed during anesthesia] Massen H, et al. **Ann Fr Anesth Reanim** 1986; 5(4):436–40 (Eng. Abstr.) **(Fre)**

[Mitral valve prolapse: a factor exacerbating peranesthetic anaphylactic shock] Moneret–Vautrin DA, et al. **Ann Fr Anesth Reanim** 1986;5(3):306–7 (Eng. Abstr.) **(Fre)**

[Disclosure of a fatal pheochromocytoma during general anesthesia] Riquier R, et al. **Ann Fr Anesth Reanim** 1987; 6(2):117–9 (Eng. Abstr.) **(Fre)**

[Tamponade due to pericardial perfusion. A peranesthetic complication in a child] Unal D, et al. **Ann Fr Anesth Reanim** 1986;5(4):445–6 (Eng. Abstr.) **(Fre)**

[Circulatory complications in anesthesia and surgery in relation to preoperative risk group and anesthesia procedure. 2. Hypertension] Jacobi K, et al. **Anaesthesiol Reanim** 1986;11(4):201–7 (Eng. Abstr.) **(Ger)**

[Pheochromocytoma as an unexpected anesthesia complication] Bauer G. **Anaesthesist** 1986 Oct; 35(10):628–33 (Eng. Abstr.) **(Ger)**

[The so–called venous air embolism: historical aspects and current diagnosis, prophylaxis and therapy] Panning B. **Anaesthesist** 1987 Mar;36(3):111–5 (53 ref.) (Eng. Abstr.) **(Ger)**

[A complication in gas surgery: injection of gas beneath the retina in a pseudophakic eye] Lincoff H, et al. **Klin Monatsbl Augenheilkd** 1987 Feb;190(2):127–30 (Eng. Abstr.) **(Ger)**

[Malformation of the inner ear. Cerebrospinal otorrhea in stapedectomy] Welleschik B, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Dec;65(12):688–90 (Eng. Abstr.) **(Ger)**

[Acute hemopericardium—a rare intraoperative complication of cardiac pacemaker therapy] Jocham G, et al. **Z Gesamte Inn Med** 1987 Feb 1;42(3):84–6 (Eng. Abstr.) **(Ger)**

[Injuries of the large vessels caused by laparoscopy] Zweigel D, et al. **Zentralbl Gynakol** 1987;109(10):673–8 (Eng. Abstr.) **(Ger)**

[Peroperative myocardial infarct: influence of collateral circulation] Romeo F, et al. **Cardiologia** 1986 Feb; 31(2):117–21 (Eng. Abstr.) **(Ita)**

[Intraoperative fracture of the femur during non–cemented arthroprosthesis of the hip] Baldini N, et al. **Chir Organi Mov** 1986 Oct–Dec;71(4):337–41 (Eng. Abstr.) **(Ita)**

[Complications of the surgical treatment of vulvar carcinoma] Lupi G, et al. **Minerva Ginecol** 1987 Apr;39(4):237–42 (Eng. Abstr.) **(Ita)**

[Complication during amputation of the extremity in a female patient with congenital arteriovenous fistulae] Mitrofanov EI, et al. **Klin Khir** 1987;(3):46–7 **(Rus)**

[Arterial hypoxemia during heart operations with artificial circulation] Meshcheriakov AV, et al. **Vestn Akad Med Nauk SSSR** 1987;(5):36–40 (Eng. Abstr.) **(Rus)**

[Anesthesia management in tumors of the anterior mediastinum. Apropos of a case] Aguado Gil E, et al. **Rev Esp Anestesiol Reanim** 1986 Jul–Aug;33(4):268–70 (Eng. Abstr.) **(Spa)**

[Capnography in pediatric anesthesia for strabismus surgery (published erratum appears in Rev Esp Anestesiol Reanim 1987 Jan–Feb;34(1):15)] González de Zárate Apiñaniz J, et al. **Rev Esp Anestesiol Reanim** 1986 Nov–Dec; 33(6):448–50 (Eng. Abstr.) **(Spa)**

[Rare respiratory obstruction during pneumonectomy] Manrique J, et al. **Rev Esp Anestesiol Reanim** 1987 Jan–Feb; 34(1):67–8 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Bronchospasm during anaesthesia. A computer–aided incidence study of 136,929 patients. Olsson GL. **Acta Anaesthesiol Scand** 1987 Apr;31(3):244–52

Complications encountered with the use of the Greenfield filter. Carabasi RA 3d, et al. **Am J Surg** 1987 Aug; 154(2):163–8

The risk of perioperative stroke in patients with asymptomatic carotid bruits undergoing peripheral vascular surgery. Gutierrez IZ, et al. **Am Surg** 1987 Sep;53(9):487–9

Intraoperative respiratory complications in patients with upper respiratory tract infections. Tait AR, et al. **Can J Anaesth** 1987 May;34(3 (Pt 1)):300–3

[Expulsive hemorrhage during eye operations] Neskreba EF, et al. **Vestn Oftalmol** 1987 May–Jun;103(3):28–30 (Eng. Abstr.) **(Rus)**

[Complications in surgery of cancer of the esophagus and cardia] Suárez A, et al. **Rev Esp Enferm Apar Dig** 1986 Nov;70(5):407–10 (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Intrathoracic textile foreign body. Apropos of 3 cases] Jamoussi M, et al. **Tunis Med** 1986 Jun–Jul;64(6–7):641–4 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

The use of brainstem auditory evoked potentials during posterior fossa surgery as a monitor of brainstem function. Kálmánchey R, et al. **Acta Neurochir (Wien)** 1986; 82(3–4):128–36

Full bladder [letter] Wells DG, et al. **Anaesth Intensive Care** 1987 May;15(2):250

Perioperative right heart failure: etiology and pathophysiology. Fisk RL, et al. **Cardiovasc Clin** 1987; 17(2):219–29

Right ventricular failure associated with left ventricular failure. Spence PA, et al. **Cardiovasc Clin** 1987;17(2):239–49

[Changes in respiratory mechanics, gas exchange and circulation during bronchospasm under general anesthesia] Tenchev P, et al. **Khirurgiia (Sofiia)** 1987;40(3):30–4 (Eng. Abstr.) **(Bul)**

[Increase in lung water following heart operations—indication of capillary injuries in the lung? Remarks on the work of St. Duma et al. Intraoperative changes in extravascular lung water (letter)] Peters J, et al. **Anaesthesist** 1986 Sep;35(9):567–9 **(Ger)**

[Monitoring the spinal cord by sensory evoked potentials (SEP) in interventions of the thoracic aorta] Stober R, et al. **Vasa** 1987;16(1):30–5 (Eng. Abstr.) **(Ger)**

[Intraoperative monitoring of the spinal cord. Personal results and an inventory of the current status] Schramm J, et al. **Z Orthop** 1986 Nov–Dec;124(6):726–31 (Eng. Abstr.) **(Ger)**

[Blood loss during transvesical prostatectomy] Longhi A, et al. **Minerva Anestesiol** 1986 Jun–Jul;52(6–7):217–20 (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

Peroperative hypothermia prevention. Bernard JM, et al. **Acta Anaesthesiol Scand** 1987 Aug;31(6):521–3

Prevention of intraoperative hypothermia during abdominal surgery. Joachimsson PO, et al. **Acta Anaesthesiol Scand** 1987 May;31(4):330–7

Trabeculectomy with the use of sodium hyaluronate. A prospective study. Raitta C, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):407–13

Bradycardia associated with the use of vecuronium. A comparative study with pancuronium with and without glycopyrronium. Cozanitis DA, et al. **Anaesthesia** 1987 Feb; 42(2):192–4

Sympathetic blockade and tourniquet pain in surgery of the upper extremity. Farah RS, et al. **Anesth Analg** 1987 Oct; 66(10):1033–5

Prevention of intraoperative myocardial ischemia during noncardiac surgery with intravenous diltiazem: a randomized trial versus placebo. Godet G, et al. **Anesthesiology** 1987 Feb;66(2):241–5

Prevention of surgically induced miosis by diclofenac eye drops. Bonomi L, et al. **Ann Ophthalmol** 1987 Apr; 19(4):142–3, 145

Preventing gastric regurgitation with a ballooned nasogastric tube. Lahiri SK. **Ann R Coll Surg Engl** 1987 May; 69(3):122–6

Hypothermic regional perfusion for protection of the spinal cord during periods of ischemia. Colon R, et al. **Ann Thorac Surg** 1987 Jun;43(6):639–43

Shunting during carotid endarterectomy [letter] Davenport J. **Arch Neurol** 1986 Dec;43(12):1222–3

Intraoperative transesophageal two–dimensional echocardiography in total hip replacement. Ulrich C, et al. **Arch Orthop Trauma Surg** 1986;105(5):274–8

Splenic protection in left upper quadrant operations. Hugh TB, et al. **Aust NZ J Surg** 1986 Dec;56(12):925–8

Traditional Chinese acupuncture: a potentially useful antiemetic? Dundee JW, et al. **Br Med J [Clin Res]** 1986 Sep 6;293(6547):583–4

Preventing endotracheal fires [letter] Casey KR. **Chest** 1987 Apr;91(4):637

Preoperative evaluation: the assessment and management of surgical risk. Kroenke K. **J Gen Intern Med** 1987 Jul–Aug; 2(4):257–69 (99 ref.)

Relief of blood–induced arterial vasospasm by pharmacologic solutions. Hou SM, et al. **J Reconstr Microsurg** 1987 Jan; 3(2):147–51

Reduction in myocardial acidosis using blood cardioplegia. Warner KG, et al. **J Surg Res** 1987 Mar;42(3):247–56

Endotracheal tube safety during laser surgery. Fontenot R

Jr, et al. **Laryngoscope** 1987 Aug;97(8 Pt 1):919–21
Liver transplantation: effect of washing bank blood on intraoperative control of hyperkalemia. Ellis R, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):73–4
Is major surgery in hemophiliac patients safe? Rudowski WJ, et al. **World J Surg** 1987 Jun;11(3):378–86
[Prevention of peroperative hypothermia (published erratum appears in Ann Fr Anesth Reanim 1987;6(2):145)] Bernard JM, et al. **Ann Fr Anesth Reanim** 1986;5(6):625–6 **(Fre)**
[Anesthesia for congenital diaphragmatic hernia] Lochbühler H. **Anaesthesist** 1987 Jun;36(6):280–4 (Eng. Abstr.) **(Ger)**
[Neural risk zones in rhytidectomy] Hinderer UT, et al. **Handchir Mikrochir Plast Chir** 1986 Nov;18(6):370–5 (Eng. Abstr.) **(Ger)**
[Brain protection in the surgical reconstruction of the supra-aortic arteries] Luther B, et al. **Zentralbl Chir** 1986; 111(21):1321–8 (Eng. Abstr.) **(Ger)**
[Ranitidine, cimetidine and magnesium silicate in the prevention of aspiration pneumonia] Tulli G, et al. **Minerva Anestesiol** 1986 Nov;52(11):375–83 (Eng. Abstr.) **(Ita)**
[Experimental study on the effectiveness of withdrawing the cerebrospinal fluid in preventing spinal cord ischemia during thoracic aortic occlusion] Oka Y, et al. **Kyobu Geka** 1986 Sep;39(9):671–8 (Eng. Abstr.) **(Jpn)**
[Clinico-anatomical basis of the mechanism of blunt trauma to the kidneys and the prevention of adrenal insufficiency during left-sided nephrectomy] Ibatullin IA, et al. **Vestn Khir** 1987 Apr;138(4):72–5 (Eng. Abstr.) **(Rus)**
[Steinert's disease and anesthesia (letter)] Rovira I, et al. **Rev Esp Anestesiol Reanim** 1987 May–Jun;34(3):227–8 **(Spa)**

RADIOGRAPHY

Towards a selective policy of operative cholangiography: a prospective clinical study. Simpson CJ, et al. **J R Coll Surg Edinb** 1987 Feb;32(1):15–8
[Intraoperative cholangiography in the diagnosis of choledocholithiasis] Raab M, et al. **Rontgenpraxis** 1987 Jan; 40(1):8–11 **(Ger)**

RADIONUCLIDE IMAGING

Recognition of reversible and irreversible myocardial injury by technetium pyrophosphate extraction kinetics. Silva R, et al. **J Thorac Cardiovasc Surg** 1987 Jul;94(1):104–9

SURGERY

Intraluminal shunting of operatively severed aortocoronary saphenous vein grafts. Robison RJ, et al. **Ann Thorac Surg** 1986 Oct;42(4):475–6
Salvaging the badly placed screw. A case report. Lichtblau S. **Bull Hosp Jt Dis Orthop Inst** 1987 Spring;47(1):84–6
Differential wound bleeding at laparotomy can be a sign of an aortocaval fistula. Phipps RF. **J R Coll Surg Edinb** 1987 Feb;32(1):55
Iatrogenic fenestration of a semicircular canal: a method of closure. Cullen JR, et al. **Laryngoscope** 1986 Oct; 96(10):1168–9
Replacement of lacerated superior vena cava with synthetic graft. Olearchyk AS. **NJ Med** 1985 Nov;82(11):881–4
Intratemporal operative paralysis of the facial nerve. Savić D, et al. **Rev Laryngol Otol Rhinol (Bord)** 1987; 108(3):239–44
Dacron "sock" repair for proximal corporeal perforation. Fritzler M, et al. **Urology** 1986 Dec;28(6):524–6
[Simultaneous interventions in abdominal surgery] Kern E. **Chirurg** 1987 Mar;58(3):135–9 **(Ger)**
[Simultaneous interventions in trauma surgery] Schmit-Neuerburg KP, et al. **Chirurg** 1987 Mar;58(3):140–8 **(Ger)**
[A bridging technic for bile duct lesions] Yoshida Y, et al. **Chirurg** 1987 Jun;58(6):435–6 **(Ger)**
[Kidney autotransplantation] López R, et al. **Z Urol Nephrol** 1987 Apr;80(4):203–7 (Eng. Abstr.) **(Ger)**
[Ureteral injuries in rectal surgery] Brühl P, et al. **Zentralbl Chir** 1986;111(18):1124–33 (Eng. Abstr.) **(Ger)**
[Iatrogenic inguinal injury of the spermatic cord from a treatment and forensic viewpoint] Matz M, et al. **Zentralbl Chir** 1987;112(4):250–5 (Eng. Abstr.) **(Ger)**
[A case of left ventricular-right atrial shunt following mitral valve replacement] Miyata Y, et al. **Kyobu Geka** 1987 Feb; 40(3):240–3 (Eng. Abstr.) **(Jpn)**

THERAPY

Autotransfusion of whole blood in massive bleeding. An experimental study in the pig. Solem JO, et al. **Acta Chir Scand** 1986 Jun–Jul;152:427–32
Venoarterial cerebral perfusion for treatment of massive arterial air embolism. Brown JW, et al. **Anesth Analg** 1987 Jul;66(7):673–4
Perioperative right heart failure: treatment. Gaines WE. **Cardiovasc Clin** 1987;17(2):231–8
[Calculation of the allowable blood loss before transfusion with a programmable pocket calculator] Lorentz A, et al. **Anaesthesist** 1987 Jun;36(6):306–12 (Eng. Abstr.) **(Ger)**
[Accidental perforation of the dura mater: blood patch immediately or later?] Rucci FS, et al. **Minerva Anestesiol** 1986 May;52(5):149–60 (Eng. Abstr.) **(Ita)**
[Coronary spasms during non-cardiac surgery] Yamanoue T, et al. **Masui** 1986 Jul;35(7):1119–25 (Eng. Abstr.) **(Jpn)**

VETERINARY

Recommended techniques in small animal anaesthesia. II. Intraoperative cardiac dysrhythmias and their treatment. Seeler DC, et al. **Br Vet J** 1987 Mar–Apr;143(2):97–111 (37 ref.)
Management of intraoperative and postoperative anesthetic complications in ruminants and swine. Riebold TW. **Vet Clin North Am [Food Anim Pract]** 1986 Nov; 2(3):665–76 (22 ref.)

INTRAOPERATIVE PERIOD see under **SURGERY, OPERATIVE**

INTRAPERITONEAL INFUSIONS see **INFUSIONS, PARENTERAL**

INTRASPINAL INJECTIONS see **INJECTIONS, SPINAL**

INTRATHECAL INJECTIONS see **INJECTIONS, SPINAL**

INTRAUTERINE CROSS-TRANSFUSION see **FETOFETAL TRANSFUSION**

INTRAUTERINE DEVICE EXPULSION

ADVERSE EFFECTS

[Migration of an intrauterine device after salpingectomy. Translocation of an in situ intrauterine device to the abdominal cavity after tubal pregnancy and salpingectomy] Trolle C, et al. **Tidsskr Nor Laegeforen** 1987 Apr 30; 107(12):1029, 1036 (Eng. Abstr.) **(Nor)**
[X-ray study in suspected expulsion of an intrauterine coil] Shchekalev AIu. **Akush Ginekol (Mosk)** 1986 Nov;(11):74 **(Rus)**

INTRAUTERINE DEVICES

Hysteroscopy necessary before IUD? Marty R. **Acta Eur Fertil** 1986 Nov–Dec;17(6):449–50
Hysteroscopic treatment of early pregnancy conceived despite intrauterine contraception. Van der Pas HF. **Acta Eur Fertil** 1986 Nov–Dec;17(6):481–3
How does the IUD influence subsequent fertility? Batár I. **Acta Med Hung** 1986;43(2):109–22
Efficiency and acceptability of intrauterine contraceptive devices. Trutko NS. **Acta Med Hung** 1986;43(2):103–8
Morphological characteristics of incrustates of intrauterine contraceptive devices. Patai K, et al. **Acta Morphol Hung** 1986;34(1–2):3–10
Fertility following ectopic pregnancy with special reference to previous use of an intra-uterine contraceptive device (IUCD). Sandvei R, et al. **Acta Obstet Gynecol Scand** 1987; 66(2):131–5
Postpartum IUD insertions in Manila, Philippines. Apelo RA, et al. **Adv Contracept** 1985 Dec;1(4):319–28
One-year results using a risk scoring system in a family planning clinic. Blum M. **Adv Contracept** 1986 Dec; 2(4):381–6
IUD insertion at cesarean section—the Chinese experience. Chi IC, et al. **Adv Contracept** 1986 Jun;2(2):145–53 (23 ref.)
Clinical experience with intrauterine devices in a private practice. Hasson HM. **Adv Contracept** 1985 Mar;1(1):51–61
The value of X-ray with uterine sound in the diagnosis of IUDs with missing tails. el Kady AA, et al. **Adv Contracept** 1986 Jun;2(2):161–7
Tailoring of Fincoid-350 insertions—experience with Hasson's Wing Sound 1 Cavimeter. Kaivola S. **Adv Contracept** 1986 Jun;2(2):177–83
Energy dispersive spectrophotometric and X-ray diffraction observations in IUDs. Keith LG, et al. **Adv Contracept** 1985 Jun;1(2):171–80
The Ljubljana IUDs: further observations on surface morphology. Keith LG, et al. **Adv Contracept** 1986 Mar; 2(1):37–54
Postabortion insertion of the Nova T and MLCu250: preliminary results of a comparative study. McCarthy T, et al. **Adv Contracept** 1985 Jun;1(2):161–5
Comparison of intramenstrual IUD insertion with insertion following menstrual regulation. Otolorin EO, et al. **Adv Contracept** 1985 Mar;1(1):45–9
Pregnancy after IUD use. Rioux JE, et al. **Adv Contracept** 1986 Jun;2(2):185–92
Fertility after intrauterine device discontinuation. Sandmire HF. **Adv Contracept** 1986 Dec;2(4):327–35
Pain relief at insertion and removal of an IUD: a simplified technique for paracervical block. Thiery M. **Adv Contracept** 1985 Jun;1(2):167–70
Immediate postpartum insertion: performance of the Nova-T-PP and randomized comparison with the Nova-T. Van Kets H, et al. **Adv Contracept** 1987 Mar; 3(1):63–9
Analysis of surface deposits on intrauterine contraceptive devices. Yuan W, et al. **Adv Contracept** 1986 Jun; 2(2):193–204
Observations on the mode of action of an intratubal device, the P-block. Brundin J. **Am J Obstet Gynecol** 1987 Apr; 156(4):997–1000
Significant bacteremia associated with replacement of intrauterine contraceptive device. Murray S, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):698–700
A prospective randomized comparative trial of the Gravigard, Latex Leaf, Dalkon Shield and Multiload Cu 250 IUDs. McCarthy TG, et al. **Aust NZ J Obstet Gynaecol** 1986 Aug;26(3):228–32
Management of translocated and incarcerated intrauterine contraceptive devices. Mittal S, et al. **Aust NZ J Obstet Gynaecol** 1986 Aug;26(3):232–4
Clinical performance of copper-T-200, multiload-250 and Nova-T: A comparative multicentre study. Fylling P. **Contraception** 1987 May;35(5):439–46
A randomized comparative clinical evaluation of the Steel Ring, the VCu200 and the TCu220c IUDs. Gao J, et al. **Contraception** 1986 May;33(5):443–54
The intrauterine contraceptive device and hydatidiform mole: a negative association. Honoré LH. **Contraception** 1986 Aug;34(2):213–9
The IUD after 20 years: a review. Hutchings JE, et al. **Fam Plann Perspect** 1985 Nov–Dec;17(6):244–7, 250–5 (119 ref.)
Urinary human chorionic gonadotropin among intrauterine device users: detection with a highly specific and sensitive assay. Wilcox AJ, et al. **Fertil Steril** 1987 Feb;47(2):265–9
Group B streptococci in IUCD users. Chaudhary U, et al. **Indian J Med Res** 1986 Oct;84:358–60
Time to conception after IUD removal: importance of duration of use, IUD type, pelvic inflammatory disease and age. Andolsek L, et al. **Int J Gynaecol Obstet** 1986 Jun; 24(3):217–23
Serum ovarian steroids, prolactin and prostaglandin metabolites in women using the inert intrauterine device. Shalev E, et al. **Int J Gynaecol Obstet** 1987 Apr; 25(2):139–44
Effect of intra-uterine devices on corpus luteum function. Hawk HW. **J Anim Sci** 1968;27 Suppl 1:119–38 (56 ref.)
Do plain plastic and copper bearing intrauterine contraceptive devices have a central mechanism of action? Goldstuck ND. **Med Hypotheses** 1987 Jun;23(2):125–30
Quantitative transcervical uterine cultures in asymptomatic women using an intrauterine contraceptive device [letter] Struthers BJ. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):429–30
Empty-bladder (hysterographic) view on US for evaluation of intrauterine devices. Work in progress. Carroll R, et al. **Radiology** 1987 Jun;163(3):822–3
Intrauterine contraceptive devices: MR imaging. Mark AS, et al. **Radiology** 1987 Feb;162(2):311–4
Satisfied IUD acceptors as family planning motivators in Sri Lanka. Fisher AA, et al. **Stud Fam Plann** 1986 Sep–Oct; 17(5):235–42
[Clinical study of three types of IUD] **Chung Hua Fu Chan Ko Tsa Chih** 1986 Jul;21(4):232–4, 253 (Eng. Abstr.) **(Chi)**
[An epidemiologic study on the effect of the stainless steel ring IUD in rural women of 12 provinces and municipalities in China. The Epidemiologic Collaborating Group of the Effect of IUD] **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Aug; 7(4):226–32 (Eng. Abstr.) **(Chi)**
[Ultrasonic determination of the position of a coil when pregnancy has occurred] Ulrich LG, et al. **Ugeskr Laeger** 1987 Apr 13;149(16):1058–9 (Eng. Abstr.) **(Dan)**
[Diagnosis and treatment of an occult intrauterine device] Burmucic R, et al. **Wien Med Wochenschr** 1987 Mar 31; 137(5–6):104–7 (Eng. Abstr.) **(Ger)**
[6-year analysis of the use of the intrauterine device] Hofmann R. **Z Arztl Fortbild (Jena)** 1987;81(6):281–4 **(Ger)**
[Allowable duration for using intrauterine polyethylene contraceptives] Petrov IuA, et al. **Akush Ginekol (Mosk)** 1986 Jul;(7):40–1 **(Rus)**
[Electrophysiological research on uterine and ovarian functions in women using intrauterine coils for contraception] Spektor AM, et al. **Akush Ginekol (Mosk)** 1986 Nov;(11):50–1 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Ovarian pregnancy associated with the intra-uterine contraceptive device. A survey of two decades. Sandvei R, et al. **Acta Obstet Gynecol Scand** 1987;66(2):137–41
Rare events occurring at insertion of an intrauterine device—a review of an international experience. Chi I, et al. **Adv Contracept** 1987 Mar;3(1):49–61
Pelvic inflammatory disease and the IUD. Edelman DA, et al. **Adv Contracept** 1986 Dec;2(4):313–25 (41 ref.)
The intrauterine device and ectopic pregnancy. Edelman DA, et al. **Adv Contracept** 1986 Mar;2(1):55–63
Pain reduction during and after insertion of an intrauterine contraceptive device. Goldstuck ND. **Adv Contracept** 1987 Mar;3(1):25–36
Persistent cervicovaginal actinomyces-like organisms following antibiotic therapy in an IUD user. Keith LG, et al. **Adv Contracept** 1986 Jun;2(2):123–30
Sexually transmitted disease, infertility, IUDs and epidemiology. Struthers BJ. **Adv Contracept** 1987 Jun; 3(2):82–96 (59 ref.)
Pelvic inflammatory disease, intrauterine contraception, and the conduct of epidemiologic studies. Struthers BJ. **Adv Contracept** 1985 Mar;1(1):63–76 (96 ref.)

IUD perforation leading to obstructive nephropathy necessitating nephrectomy: a rare complication. Timonen H, et al. **Adv Contracept** 1987 Mar;3(1):71–5

Uterine geometry and IUD–induced pain. Toppozada M, et al. **Adv Contracept** 1986 Jun;2(2):169–75

Postabortal insertion of IUD. Tuveng JM, et al. **Adv Contracept** 1986 Dec;2(4):387–92

Histologic and microbiologic findings in the fallopian tubes of IUD users. Vanlancker M, et al. **Adv Contracept** 1987 Jun;3(2):147–57

Contraceptive use, pelvic inflammatory disease, and fertility problems among American women: 1982. Aral SO, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):59–64

Short–term failure of IUD removal to alter bacterial flora in a patient with chronic anaerobic endometritis. Monif GR. **Am J Reprod Immunol Microbiol** 1986 Oct;12(2):55–7

Strangulating small bowel obstruction due to an intra–uterine contraceptive device. Reinbach D, et al. **Br J Surg** 1987 Feb;74(2):112

Action of a prostaglandin synthetase inhibitor on IUD associated uterine bleeding. Di Lieto A, et al. **Clin Exp Obstet Gynecol** 1987;14(1):41–4

Do insertion–related problems affect subsequent IUD performance? Chi IC, et al. **Contraception** 1986 Nov; 34(5):497–503

Severe pain at interval IUD insertion: a case–control analysis of patient risk factors. Chi IC, et al. **Contraception** 1986 Nov;34(5):483–95

Serum levels of pregnancy–specific beta 1–glycoprotein (SP1) and human chorionic gonadotropin (beta–hCG) in women using an intrauterine device. Tamsen L, et al. **Contraception** 1986 May;33(5):497–501

The "forgotten" intrauterine device.Abramovici H, et al. **Fertil Steril** 1987 Mar;47(3):519–21

Unknown intrauterine devices and infertility. Rowe T, et al. **Fertil Steril** 1987 Jun;47(6):1038–9

Removal of completely perforating IUDs by explorative laparotomy. Abramovici H, et al. **Int J Fertil** 1987 Jul–Aug; 32(4):279–82

Unusual case of IUD–associated postabortal sepsis complicated by an infected necrotic leiomyoma, suppurative pelvic thrombophlebitis, ovarian vein thrombosis, hemoperitoneum and drug fever. Wong TC, et al. **J Arkansas Med Soc** 1986 Aug;83(3):138–47

Leucocytes and infertility. Parr EL. **J Reprod Fertil [Suppl]** 1970;10:153–70 (60 ref.)

Psammoma bodies in a cervicovaginal smear associated with an intrauterine device. A case report. Barter JF, et al. **J Reprod Med** 1987 Feb;32(2):147–8

Actinomycosis involving the liver. Computed tomography/ultrasound correlation. Sheth S, et al. **J Ultrasound Med** 1987 Jun;6(6):329–31

Vesicouterine fistula with menouria: a complication from an intrauterine contraceptive device. Schwartzwald D, et al. **J Urol** 1986 Nov;136(5):1066–7

Quantitative transcervical uterine cultures in asymptomatic women using an intrauterine contraceptive device. Hill JA, et al. **Obstet Gynecol** 1986 Nov;68(5):700–4

Severe pneumococcal peritonitis complicating IUD: case report and review of the literature. Goldman JA, et al. **Obstet Gynecol Surv** 1986 Nov;41(11):672–4 (27 ref.)

Pelvic actinomycosis associated with the use of intrauterine devices. Diagnostic and therapeutic criteria. Surico N, et al. **Panminerva Med** 1987 Jan–Mar;29(1):57–60

Hysteroscopic retrieval of occult IUD. Surico N, et al. **Panminerva Med** 1987 Apr–Jun;29(2):131–3

Intrauterine device (IUD) associated pathology: a review of pathogenic mechanisms. Schmidt WA, et al. **Scan Electron Microsc** 1986;(Pt 2):735–56 (74 ref.)

Long term IUD user at menopause. The case of a woman who wore an IUD for 14 years. Smith DA. **SD J Med** 1987 Jan;40(1):5–6

Amniotic bands associated with early rupture of amnion due to an intrauterine device. Csécsei K, et al. **Zentralbl Gynakol** 1987;109(11):738–41

[Morphologic changes in the endometrium of the uterus of women who use intrauterine contraceptive pessaries] Ganchev S, et al. **Akush Ginekol (Sofiia)** 1986;25(4):56–9 (Eng. Abstr.) **(Bul)**

[Genital actinomycosis in the presence of intrauterine pessaries] Ganchev S. **Akush Ginekol (Sofiia)** 1986; 25(5):33–7 (Eng. Abstr.) **(Bul)**

[Rare case of an improperly inserted contraceptive device] Vasilev D, et al. **Akush Ginekol (Sofiia)** 1987;26(1):68–72 (Eng. Abstr.) **(Bul)**

[Epidemiologic study on ectopic pregnancy associated with IUD] Zhang ZM. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Jul;21(4):228–31, 253 (Eng. Abstr.) **(Chi)**

[Intra–abdominal migration of IUDs (apropos of 9 cases)] Rezgui M, et al. **Tunis Med** 1986 Aug–Sep;64(8–9):709–13 (Eng. Abstr.) **(Fre)**

[Acute pelveoperitonitis with an IUD in place] Farkas J, et al. **Zentralbl Gynakol** 1986;108(22):1365–9 (Eng. Abstr.) **(Ger)**

[Incrustation of marker threads of intrauterine devices in the uterine cavity and cervix uteri] Patai K, et al. **Zentralbl Gynakol** 1986;108(18):1135–9 (Eng. Abstr.) **(Ger)**

[Occult uterine perforation caused by an intrauterine device] Tapia JE, et al. **Zentralbl Gynakol** 1986;108(18):1146–9 (Eng. Abstr.) **(Ger)**

[The role of intrauterine contraceptive devices in the development of inflammatory processes in the small pelvis] Batar I. **Orv Hetil** 1986 Aug 10;127(32):1923–8 (Eng. Abstr.) **(Hun)**

[The risk of contraception with intrauterine devices] Mainenti M, et al. **Minerva Ginecol** 1987 May;39(5):367–70 (Eng. Abstr.) **(Ita)**

[Side effects and complications of intrauterine devices with special reference to pelvic infection] Marchino GL, et al. **Minerva Ginecol** 1986 Nov;38(11):953–7 (Eng. Abstr.) **(Ita)**

[IUD and gynecological infections] Marino L, et al. **Minerva Ginecol** 1987 Jan–Feb;39(1–2):47–55 (Eng. Abstr.) **(Ita)**

[Microbiologic culture findings on intrauterine devices] Maruotti T, et al. **Minerva Ginecol** 1987 May;39(5):361–5 (Eng. Abstr.) **(Ita)**

[The cytomorphological picture in IUD wearers] Oddi G, et al. **Minerva Ginecol** 1987 May;39(5):355–60 (Eng. Abstr.) **(Ita)**

[Perforation of the urinary bladder. A complication of the spiral IUD] Høie KE, et al. **Tidsskr Nor Laegeforen** 1987 Feb 28;107(6):545 **(Nor)**

[Migration of an intrauterine device after salpingectomy. Translocation of an in situ intrauterine device to the abdominal cavity after tubal pregnancy and salpingectomy] Trolle C, et al. **Tidsskr Nor Laegeforen** 1987 Apr 30; 107(12):1029, 1036 (Eng. Abstr.) **(Nor)**

[Ultrasonic diagnosis of complications of intrauterine contraception] Demidov VN. **Akush Ginekol (Mosk)** 1986 Sep;(9):47–9 (Eng. Abstr.) **(Rus)**

[Calcium lonazolac and blood loss in users of intrauterine devices. Preliminary report] Rubio Lotvin B, et al. **Ginecol Obstet Mex** 1986 Aug;54:221–4 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

Menstrual blood loss, haemoglobin and ferritin concentration of Beijing women wearing steel ring, VCu 200, and TCu 220c IUDs. Gao J, et al. **Contraception** 1986 Dec; 34(6):559–71

HISTORY

[To whom should fatherhood of the IUD be attributed?] Thiery M. **Verh K Acad Geneeskd Belg** 1987;49(2):101–9 (Eng. Abstr.) **(Dut)**

SUPPLY & DISTRIBUTION

The end of IUD marketing in the United States: what does it mean for American women? Forrest JD. **Fam Plann Perspect** 1986 Mar–Apr;18(2):52–7

UTILIZATION

The Chinese and IUDs [letter] Segal SJ. **Fam Plann Perspect** 1986 May–Jun;18(3):100–1

INTRAUTERINE DEVICES, COPPER

Acceptability of the IUD in a Jordanian community. Amr MF, et al. **Adv Contracept** 1985 Jun;1(2):157–9

Clinical experience with the MLCu250 IUD (eight–year results). Batár I. **Adv Contracept** 1985 Dec;1(4):329–35

The effect of copper ions in vivo on specific hormonal endometrial receptors. de Castro A, et al. **Adv Contracept** 1986 Dec;2(4):399–404

Comparative performance of two copper IUDs: Nova–T and MLCu375. de Castro A, et al. **Adv Contracept** 1986 Jun; 2(2):155–9

A randomized comparative trial of Nova–T and TCu200Ag in Yugoslavia. Kožuh M, et al. **Adv Contracept** 1986 Mar; 2(1):31–6

Does a gradually decreasing menstrual blood loss (MBL) in women wearing a Cu–IUD indicate a risk for an accidental pregnancy? Larsson B, et al. **Adv Contracept** 1987 Mar; 3(1):77–80

Postabortion insertion of the Nova T and MLCu250: preliminary results of a comparative study. McCarthy T, et al. **Adv Contracept** 1985 Jun;1(2):161–5

An IUD to fit any uterus. Merchant RN. **Adv Contracept** 1985 Jun;1(2):151–6

Comparison of three multiload IUDs: MLCu250, MLCu375 and MLAgCu250. Rhemrev PE, et al. **Adv Contracept** 1985 Mar;1(1):31–6

Return of fertility after use of IUDs (Nova–T, MLCu250 and MLCu375). Skjeldestad FE, et al. **Adv Contracept** 1987 Jun;3(2):139–45

The Dimélys IUD. Thiery M, et al. **Adv Contracept** 1987 Mar;3(1):43–7

A decade of experience with the TCu220C. Thiery M, et al. **Adv Contracept** 1985 Dec;1(4):313–8

The MLCu375 intrauterine contraceptive device. Thiery M, et al. **Adv Contracept** 1985 Mar;1(1):37–44

Experience with the MLCu250 IUD. Tsalikis T, et al. **Adv Contracept** 1986 Dec;2(4):393–8

The Ombrelle–380 IUD: a pilot study. van der Pas H, et al. **Adv Contracept** 1987 Mar;3(1):37–41

IUD insertion during cesarean section. Van Kets H, et al. **Adv Contracept** 1985 Dec;1(4):337–9

Antigenic and cytochemical characterization of cells adhering to intrauterine contraceptive devices. Ennas MG, et al. **Am J Reprod Immunol Microbiol** 1987 Mar;13(3):83–6

Recovery of fertility after use of the levonorgestrel 20 mcg/d or Copper T 380 Ag intrauterine device. Belhadj H, et al. **Contraception** 1986 Sep;34(3):261–7

Copper–containing IUDs are not associated with an increase of malondialdehyde levels in cervical mucus. Bull AW, et al. **Contraception** 1987 Jan;35(1):49–55

A comparative clinical trial of Copper T 220 C and Alza T IPCS 52 intrauterine devices in Thai women. Chompootaweep S, et al. **Contraception** 1986 May; 33(5):437–42

Clinical performance of copper–T–200, multiload–250 and Nova–T: A comparative multicentre study. Fylling P. **Contraception** 1987 May;35(5):439–46

A randomized comparative clinical evaluation of the Steel Ring, the VCu200 and the TCu220c IUDs. Gao J, et al. **Contraception** 1986 May;33(5):443–54

The effect of post–partum IUD insertion on post–partum bleeding. Pedrón N, et al. **Contraception** 1987 Apr; 35(4):345–51

Two years of intrauterine contraception with levonorgestrel and with copper: a randomized comparison of the TCu 380Ag and levonorgestrel 20 mcg/day devices. Sivin I, et al. **Contraception** 1987 Mar;35(3):245–55

The multisleeved copper T model TCu220C: effect of long–term use on corrosion and dissolution of copper. Thiery M, et al. **Contraception** 1987 Feb;35(2):163–70

A comparison between Nova T and Copper T 200 Ag in Hungary. Batar I, et al. **Int J Gynaecol Obstet** 1987 Feb; 25(1):59–63

Use of echosonography to monitor uterine placement of intrauterine devices after immediate postpartum insertions. Ortiz Mariscal JD, et al. **Int J Gynaecol Obstet** 1987 Feb; 25(1):53–7

The use effectiveness of the Copper T–200 in Matlab, Bangladesh. Rob U, et al. **Int J Gynaecol Obstet** 1987 Aug; 25(4):315–22

Do plain plastic and copper bearing intrauterine contraceptive devices have a central mechanism of action? Goldstuck ND. **Med Hypotheses** 1987 Jun;23(2):125–30

A prospective randomized study of the copper 7, Multiload Cu 250 and copper 220C IUDS in Singapore. McCarthy TG, et al. **Singapore Med J** 1986 Jun;27(3):220–4

[Experience with Multiload Cu 250 intrauterine device in general practice] Jørgensen HE. **Ugeskr Laeger** 1986 Dec 29;149(1):16–8 (Eng. Abstr.) **(Dan)**

[Role of radiology in intrauterine contraception] Dovy D, et al. **Rev Fr Gynecol Obstet** 1987 Apr;82(4):239–41 (Eng. Abstr.) **(Fre)**

[Removal of an occult intrauterine fragment of an intrauterine device under hysteroscopic control] Karbowski B, et al. **Gynakol Rundsch** 1986;26(4):210–4 (Eng. Abstr.) **(Ger)**

[Comparative study of 3 models of intrauterine contraceptives using probability tables] Fragiacomo E, et al. **Minerva Ginecol** 1987 Jan–Feb;39(1–2):57–62 (Eng. Abstr.) **(Ita)**

[A prospective randomized study of intrauterine devices] Bratt H, et al. **Tidsskr Nor Laegeforen** 1987 May 20; 107(14):1223–5 (Eng. Abstr.) **(Nor)**

[Ectopic pregnancy with a coexistent intrauterine contraceptive device] Szymański W, et al. **Ginekol Pol** 1986 Jul;57(7):485–7 (Eng. Abstr.) **(Pol)**

[Influence of Norplant contraceptive implants on lactation and infant growth] Díaz S, et al. **Rev Chil Obstet Ginecol** 1985;50(5):421–8 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Ovarian actinomycosis during first–trimester pregnancy. de Clercq AG, et al. **Adv Contracept** 1987 Jun;3(2):167–71

Appendicitis caused by an intrauterine contraceptive device. Serra I. **Br J Surg** 1986 Nov;73(11):927–8

Postpartum acute renal failure in a twin pregnancy with retained IUD [letter] Stratta P, et al. **Clin Nephrol** 1986 Sep;26(3):162

Perforation of the sigmoid colon by an intrauterine contraceptive device. Hays D, et al. **Contraception** 1986 Oct;34(4):413–6

Secondary cervical perforation by the Copper–T intrauterine device. Ovadia J, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Dec;9(6):403–4

Ovarian pregnancy in association with a Copper 7 intrauterine contraceptive device. Johnston B. **J R Army Med Corps** 1987 Jun;133(2):94–5

Autoerythrocyte sensitization worsened by a copper–containing IUD. Grossman RA. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):526–8

[Histological and chemical study of 26 cases of copper I.U.D. users] Chiarelli SM, et al. **Pathologica** 1986 Jan–Feb; 78(1053):35–50 (Eng. Abstr.) **(Ita)**

[Adnexal actinomycosis in a woman using an intrauterine contraceptive device (IUD)] Pawlina W, et al. **Ginekol Pol** 1987 Jan;58(1):26–30 (Eng. Abstr.) **(Pol)**

INTRAUTERINE DEVICES, MEDICATED

Experimental choice of plastic for bioactive intrauterine contraception. Houdek J, et al. **Acta Univ Carol [Med] (Praha)** 1985;31(5–6):379–84

Estradiol medicated IUDs: release and influence on menstruation pattern. Kleinhout J, et al. **Adv Contracept** 1987 Mar;3(1):19–23

Longterm use of the Today contraceptive sponge. North BB, et al. **Adv Contracept** 1986 Dec;2(4):355–61
Microdose intrauterine levonorgestrel for contraception. World Health Organization Special Programme of Research, Development and Research Training in Human Reproduction: Task Force on Intrauterine Devices for Fertility Regulation. **Contraception** 1987 Apr;35(4):363–79
Recovery of fertility after use of the levonorgestrel 20 mcg/d or Copper T 380 Ag intrauterine device. Belhadj H, et al. **Contraception** 1986 Sep;34(3):261–7
A comparative clinical trial of Copper T 220 C and Alza T IPCS 52 intrauterine devices in Thai women. Chompootaweep S, et al. **Contraception** 1986 May; 33(5):437–42
Two years of intrauterine contraception with levonorgestrel and with copper: a randomized comparison of the TCu 380Ag and levonorgestrel 20 mcg/day devices. Sivin I, et al. **Contraception** 1987 Mar;35(3):245–55
[The intrauterine system with progesterone and synthetic progestational hormones] Levrier M. **Rev Fr Gynecol Obstet** 1986 Jun–Jul;81(6–7):347–9 (Eng. Abstr.) **(Fre)**
[Clinical experiences with a hormone–releasing intrauterine device] Ulstein M, et al. **Tidsskr Nor Laegeforen** 1987 Jun 10;107(16):1452–4 (Eng. Abstr.) **(Nor)**

ADVERSE EFFECTS

Endometrial morphology during long–term use of levonorgestrel–releasing intrauterine devices. Silverberg SG, et al. **Int J Gynecol Pathol** 1986;5(3):235–41

INTRAUTERINE DIAGNOSIS see **PRENATAL DIAGNOSIS**

INTRAUTERINE GROWTH RETARDATION see **FETAL GROWTH RETARDATION**

INTRAUTERINE TRANSFUSION see **BLOOD TRANSFUSION, INTRAUTERINE**

INTRAVASCULAR AGGLUTINATION see **ERYTHROCYTE AGGREGATION, INTRAVASCULAR**

INTRAVENOUS DRIP see **INFUSIONS, INTRAVENOUS**

INTRAVENOUS DRUG DELIVERY SYSTEMS see **INFUSION PUMPS**

INTRAVENOUS FEEDING see **PARENTERAL FEEDING**

INTRAVENOUS HYPERALIMENTATION see **PARENTERAL HYPERALIMENTATION**

INTRAVENOUS INFUSIONS see **INFUSIONS, INTRAVENOUS**

INTRINSIC FACTOR

IMMUNOLOGY

Intrinsic factor antibodies in relation to disease. Conn DA. **Med Lab Sci** 1986 Jul;43(3):220–4

SECRETION

Somatostatin inhibition of intrinsic factor secretion from isolated guinea pig gastric glands. Oddsdottir M, et al. **Scand J Gastroenterol** 1987 Mar;22(2):233–8

INTRONS

Mitochondrial introns as mobile genetic elements: the role of intron–encoded proteins. Dujon B, et al. **Basic Life Sci** 1986;40:5–27
Mitochondrial gene expression in yeast: further studies of a self–splicing group II intron. Perlman PS, et al. **Basic Life Sci** 1986;40:39–55
A nuclear factor which interacts with an AT–cluster in the first intron of rat alpha 2–macroglobulin gene. Ito T, et al. **Biochem Biophys Res Commun** 1987 Sep 15; 147(2):824–30
Nuclear non–polyadenylated RNAs containing the first intervening sequence of the major late premessenger RNA from adenovirus–2: characterization and distribution in ribonucleoproteins. Gerst C, et al. **Biochim Biophys Acta** 1987 Apr 29;908(3):251–62
Isolation of actin genes in Bombyx mori: the coding sequence of a cytoplasmic actin gene expressed in the silk gland is interrupted by a single intron in an unusual position. Mounier N, et al. **Biochimie** 1986 Sep;68(9):1053–61
Binding and cleavage of pre–tRNA by the Xenopus splicing endonuclease: two separable steps of the intron excision reaction. Baldi MI, et al. **Cell** 1986 Dec 26;47(6):965–71
Multiple exon–binding sites in class II self–splicing introns. Jacquier A, et al. **Cell** 1987 Jul 3;50(1):17–29
Recognition of the TACTAAC box during mRNA splicing in yeast involves base pairing to the U2–like snRNA. Parker R, et al. **Cell** 1987 Apr 24;49(2):229–39
Accurate in vitro splicing of two pre–mRNA plant introns in a HeLa cell nuclear extract. Brown JW, et al. **EMBO J** 1986 Nov;5(11):2749–58
Two spliceosomes can form simultaneously and independently on synthetic double–intron messenger RNA precursors. Christofori G, et al. **EMBO J** 1987 Jun; 6(6):1747–55
Sequence conservation in the protein coding and intron regions of the engrailed transcription unit. Kassis JA, et al. **EMBO J** 1986 Dec 20;5(13):3583–9
Nuclear pre–mRNA splicing in the fission yeast Schizosaccharomyces pombe strictly requires an intron–contained, conserved sequence element. Mertins P, et al. **EMBO J** 1987 Jun;6(6):1757–63
Phylogenetic evidence for the acquisition of ribosomal RNA introns subsequent to the divergence of some of the major Tetrahymena groups. Sogin ML, et al. **EMBO J** 1986 Dec 20;5(13):3625–30
Self–splicing of a group II intron in yeast mitochondria: dependence on 5' exon sequences. van der Veen R, et al. **EMBO J** 1987 Apr;6(4):1079–84
A human and a plant intron–containing tRNATyr gene are both transcribed in a HeLa cell extract but spliced along different pathways. van Tol H, et al. **EMBO J** 1987 Jan; 6(1):35–41
Intron–dependent evolution: preferred types of exons and introns. Patthy L. **FEBS Lett** 1987 Apr 6;214(1):1–7 (77 ref.)
Heterogeneity of human C4 gene size. A large intron (6.5 kb) is present in all C4A genes and some C4B genes. Palsdottir A, et al. **Immunogenetics** 1987;25(5):299–304
Interrupted thymidylate synthase gene of bacteriophages T2 and T6 and other potential self–splicing introns in the T–even bacteriophages. Chu FK, et al. **J Bacteriol** 1987 Sep;169(9):4368–75
The molecular basis of a familial apoE deficiency. An acceptor splice site mutation in the third intron of the deficient apoE gene. Cladaras C, et al. **J Biol Chem** 1987 Feb 15;262(5):2310–5
Structure of the gene for mouse thymidylate synthase. Locations of introns and multiple transcriptional start sites. Deng TL, et al. **J Biol Chem** 1986 Dec 5;261(34):16000–5
Delineation of the intronless nature of the genes for the human and hamster beta 2–adrenergic receptor and their putative promoter regions. Kobilka BK, et al. **J Biol Chem** 1987 May 25;262(15):7321–7
Cloning and expression of an intron–deleted phage T4 td gene. West DK, et al. **J Biol Chem** 1986 Oct 15; 261(29):13446–50
Introns as relict retrotransposons: implications for the evolutionary origin of eukaryotic mRNA splicing mechanisms. Hickey DA, et al. **J Theor Biol** 1986 Aug 7;121(3):283–91
Three class I introns in the ND4L/ND5 transcriptional unit of Neurospora crassa mitochondria. Nelson MA, et al. **MGG** 1987 Feb;206(2):318–25
Effects on mRNA splicing of mutations in the 3' region of the Saccharomyces cerevisiae actin intron. Fouser LA, et al. **Mol Cell Biol** 1987 Jan;7(1):225–30
Anomalous placement of introns in a member of the intermediate filament multigene family: an evolutionary conundrum. Lewis SA, et al. **Mol Cell Biol** 1986 May; 6(5):1529–34
Expression of small cytoplasmic transcripts of the rat identifier element in vivo and in cultured cells. McKinnon RD, et al. **Mol Cell Biol** 1987 Jun;7(6):2148–54
Intron mutations affect splicing of Saccharomyces cerevisiae SUP53 precursor tRNA. Strobel MC, et al. **Mol Cell Biol** 1986 Jul;6(7):2674–83
Effect of intron mutations on processing and function of Saccharomyces cerevisiae SUP53 tRNA in vitro and in vivo. Strobel MC, et al. **Mol Cell Biol** 1986 Jul;6(7):2663–73
Effects of intron length on differential processing of mouse mu heavy–chain mRNA. Tsurushita N, et al. **Mol Cell Biol** 1987 Jul;7(7):2602–5
Effect of mutations at the lariat branch acceptor site on beta–globin pre–mRNA splicing in vitro. Hornig H, et al. **Nature** 1986 Dec 11–17;324(6097):589–91
Unusual intron in the immunoglobulin domain of the newly isolated murine CD4 (L3T4) gene. Littman DR, et al. **Nature** 1987 Jan 29–Feb 4;325(6103):453–5
A catalogue of splice junction and putative branch point sequences from plant introns. Brown JW. **Nucleic Acids Res** 1986 Dec 22;14(24):9549–59
The sequence of the first exon and part of the intron of the maize plastid encoded rpl 16 locus. McLaughlin WE, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5896
A chimeric mouse histone H4 gene containing either an intron or poly(A) addition signal behaves like a basal histone. Seiler–Tuyns A, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):8845–62
Homology between the splice–point region of mitochondrial group I introns and the viroid central conserved region. Wolf K. **Nucleic Acids Res** 1986 Dec 22;14(24):10119
The chicken carbonic anhydrase II gene: evidence for a recent shift in intron position. Yoshihara CM, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):753–70
Alternative processing of bovine growth hormone mRNA: nonsplicing of the final intron predicts a high molecular weight variant of bovine growth hormone. Hampson RK, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2673–7
Origin of noncoding DNA sequences: molecular fossils of genome evolution. Naora H, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6195–9
Preferential excision of the 5' proximal intron from mRNA precursors with two introns as mediated by the cap structure. Ohno M, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5187–91
Regulated production of mu m and mu s mRNA requires linkage of the poly(A) addition sites and is dependent on the length of the mu s–mu m intron. Peterson ML, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):8883–7
Identification of a cell–specific transcriptional enhancer in the first intron of the mouse alpha 2 (type I) collagen gene. Rossi P, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(16):5590–4
An intervening sequence in an unusual histone H1 gene of Tetrahymena thermophila. Wu M, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8674–8
Efficient trans–splicing of a yeast mitochondrial RNA group II intron implicates a strong 5' exon–intron interaction. Jacquier A, et al. **Science** 1986 Nov 28;234(4780):1099–104
Variable occurrence of the nrdB intron in the T–even phages suggests intron mobility. Pedersen–Lane J, et al. **Science** 1987 Jul 10;237(4811):182–4
[Molecular causes of thalassemia. IV. Cloning of the beta–globin gene in a patient with beta–thalassemia from Azerbaijan and determination of the point mutation in a minor intron] Limborskaia SA, et al. **Genetika** 1987 Feb; 23(2):228–38 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

5–Fluorouracil augmentation of dihydrofolate reductase RNA containing contiguous exon and intron sequences in KB7B cells. Will CL, et al. **J Biol Chem** 1987 Apr 25; 262(12):5433–6

INTROVERSION (PSYCHOLOGY)

Urinary phenylethylamine correlates positively with hypomania, and negatively with depression, paranoia, and social introversion on the MMPI. Moises HW, et al. **Eur Arch Psychiatry Neurol Sci** 1986;236(2):83–7
Motor potentials and motor performance associated with introverted and extraverted smokers. O'Connor K. **Neuropsychobiology** 1986;16(2–3):109–16
Introversion–extraversion and dimensions of olfactory perception. Filsinger EE, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 1):695–9

INTUBATION

Palliative surgical treatment of inoperable oesophageal and cardia tumours with prosthesis. Szabó LE, et al. **Acta Chir Hung** 1986;27(4):233–47
Blitz intubation—a useful synonym [letter] Baumgarten RK. **Anesth Analg** 1987 Oct;66(10):1050
Air leak in chest tubes [letter] Gribetz AR. **Chest** 1987 Sep; 92(3):577
Cuffed tubes in pediatric patients [letter] **Crit Care Med** 1987 Jun;15(6):626–7
Influence of smoking and esophageal intubation on esophageal pH–metry. Schindlbeck NE, et al. **Gastroenterology** 1987 Jun;92(6):1994–7
Transient elevation of serum alkaline phosphatase after choledochotomy and T–tube placement [letter] Cohen Z, et al. **J Clin Gastroenterol** 1986 Aug;8(4):495–6
Tube thoracostomy and trauma—antibiotics or not? LoCurto JJ Jr, et al. **J Trauma** 1986 Dec;26(12):1067–72
Morbidity and mortality in patients receiving the esophageal obturator airway and the endotracheal tube in prehospital cardiopulmonary arrest. Goldenberg IF, et al. **Minn Med** 1986 Dec;69(12):707–13
Lacrimal intubation in the primary repair of midfacial fractures. Harris GJ, et al. **Ophthalmology** 1987 Mar; 94(3):242–7
Inoperable oesophageal and cardia cancer. Benefits from Celestin intubation. Qvist N, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(1):61–3
[Palliative treatment of cancer of the esophagus using an endoluminal prosthesis] Touré CT, et al. **Can J Surg** 1987 Jan;30(1):32–4 (Eng. Abstr.) **(Fre)**
[Immediate and long–term results of 248 cases of endoscopic intubation in inoperable neoplasms of the esophagus and cardia] Gasparri G, et al. **Minerva Chir** 1986 Nov 15; 41(21):1777–82 (Eng. Abstr.) **(Ita)**
[Usefulness of esophageal prosthesis in inoperable esophageal cancer] Kano T, et al. **Gan No Rinsho** 1987 Jul;33(8):885–91 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Cardiac arrest from pulmonary outflow tract obstruction due to a double–lumen tube. Wells DG, et al. **Anesthesiology** 1987 Mar;66(3):422–3
A check–valve device for prevention of regurgitation after endoesophageal intubation. Wang PY, et al. **Ann Thorac Surg** 1986 Nov;42(5):565–7
Aspiration prevention [letter] Wetstein L, et al. **Ann Thorac Surg** 1987 Aug;44(2):224
Invagination of antireflux check valve [letter] Widmann WD. **Ann Thorac Surg** 1987 Sep;44(3):330–1
Dangers from dissolution of latex in Celestin endo–esophageal tube [letter] **Br Med J [Clin Res]** 1987 Apr 4;294(6576):899–900
Jaw dislocation during general anaesthesia. Sosis M, et al. **Can J Anaesth** 1987 Jul;34(4):407–8
Bilateral pneumothoraces and pneumoperitoneum following esophageal intubation [letter] Bilotta JJ, et al. **Crit Care Med** 1987 Mar;15(3):281–3

Complication of the anti-reflux valve modification of the Celestin tube. Diehl W, et al. **Milit Med** 1986 Oct; 151(10):547

Horner syndrome occurring as a complication of chest tube placement. Bertino RE, et al. **Radiology** 1987 Sep; 164(3):745

Preventing complications from lines and tubes. MacDonald MG, et al. **Semin Perinatol** 1986 Jul;10(3):224–33 (76 ref.)

INSTRUMENTATION

The use of bronchial stents in the management of bronchomalacia. Goddard JM, et al. **Anaesthesia** 1987 May; 42(5):534–5

Bronchial cuff pressure: comparison of carlens and polyvinylchloride (PVC) double lumen tubes [letter] Ruiz Neto PP. **Anesthesiology** 1987 Feb;66(2):255–6

Failure of double-lumen endobronchial tube placement: congenital tracheal stenosis in an adult. Saito S, et al. **Anesthesiology** 1987 Jan;66(1):83–5

The pharyngeo-tracheal lumen airway: an assessment of airway control in the setting of upper airway hemorrhage. Bartlett RL, et al. **Ann Emerg Med** 1987 Mar;16(3):343–6

The esophageal tracheal combitube: preliminary results with a new airway for CPR. Frass M, et al. **Ann Emerg Med** 1987 Jul;16(7):768–72

Dangers from dissolution of latex in Celestin endo-oesophageal tube. Hussain SA, et al. **Br Med J** 1987 Feb 14;294(6569):412–3

The role of the esophageal obturator airway in cardiopulmonary resuscitation. Michael TA. **Circulation** 1986 Dec;74(6 Pt 2):IV134–7 (16 ref.)

Evaluation of esophageal tracheal combitube in cardiopulmonary resuscitation. Frass M, et al. **Crit Care Med** 1987 Jun;15(6):609–11

Work of breathing through different sized endotracheal tubes. Shapiro M, et al. **Crit Care Med** 1986 Dec;14(12):1028–31

Palliative intubation of malignant esophagogastric obstruction. van den Brandt-Grädel V, et al. **J Clin Gastroenterol** 1987 Jun;9(3):290–7

Inadvertent misconnection of medical tubing: protective incompatibility [letter] Katz L. **JAMA** 1986 Nov 14; 256(18):2517–8

Simple system for central rewarming of hypothermic patients [letter] Kristensen G, et al. **Lancet** 1986 Dec 20–27; 2(8521–22):1467–8

A modified prosthetic oesophageal tube to manage malignant oesophago-respiratory fistula. Robertson CS, et al. **Lancet** 1986 Oct 25;2(8513):949–50

Treatment of cervical esophageal stenosis with a long-term indwelling prosthesis. Goode RL, et al. **Laryngoscope** 1987 Apr;97(4):477–82

New techniques in suture-aided tear duct intubation [published erratum appears in Ophthalmic Surg 1987 Jul;18(7):following 549] Hedges CC. **Ophthalmic Surg** 1987 Jan;18(1):45–6

[Endotracheal intubation employing a flexible fiberoptic bronchoscope] Berthelsen PG. **Ugeskr Laeger** 1986 Sep 22; 148(39):2471–3 (Eng. Abstr.) **(Dan)**

[The esophageal tracheal Combitube (ETC): animal experiment results with a new emergency tube] Frass M, et al. **Anasth Intensivther Notfallmed** 1987 Jun;22(3):142–4 (Eng. Abstr.) **(Ger)**

METHODS

Externalized silicone tube in single canalicular intubation. Braverman DE, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 1):335–6

A technique to aid blind nasotracheal intubation [letter] Donenfeld RF. **Anesth Analg** 1987 Mar;66(3):283–4

Easier chest tube insertion [letter] Davis LL. **Ann Thorac Surg** 1987 Jun;43(6):688

Simplified monocanalicular silicone intubation. Case report. Gonnering RS. **Arch Ophthalmol** 1987 Aug;105(8):1024

Prevention of prolapsed silicone stents in dacryocystorhinostomy surgery [letter] Jordan DR, et al. **Arch Ophthalmol** 1987 Apr;105(4):455

A method of securing double silicone tube intubation of the lacrimonasal system [letter] Romano PE. **Arch Ophthalmol** 1987 Jun;105(6):746–7

Surgery for refractory glaucoma. Results and complications with a modified Schocket technique. Sherwood MB, et al. **Arch Ophthalmol** 1987 Apr;105(4):562–9

Placement of double-lumen endobronchial tubes. Correlation between clinical impressions and bronchoscopic findings. Smith GB, et al. **Br J Anaesth** 1986 Nov;58(11):1317–20

Air insufflation test: a new method of assessing correct placement of a permanent endo-oesophageal tube. Vanker EA, et al. **Br J Surg** 1987 May;74(5):419

Fiberoptic esophagogastroscopy via nasal intubation. Johnson DA, et al. **Gastrointest Endosc** 1987 Feb;33(1):32–3

Effect of chest tube management on drainage after cardiac surgery. Duncan CR, et al. **Heart Lung** 1987 Jan;16(1):1–9

An ounce of prevention is worth a pound of cure [letter] Romano PE. **Ophthalmic Surg** 1987 Apr;18(4):318

Palliative intubation in malignant stricture of the oesophagus and cardia. Fjøsne HE, et al. **Scand J Thorac Cardiovasc Surg** 1986;20(3):237–40

[Obstructive sleep apnea syndrome treated with a nasopharyngeal tube] Andersen AP, et al. **Ugeskr Laeger** 1986 Nov 24;148(48):3213–5 (Eng. Abstr.) **(Dan)**

[Fiberoptic endotracheal intubation in children] Berthelsen PG. **Ugeskr Laeger** 1986 Sep 22;148(39):2477–8 (Eng. Abstr.) **(Dan)**

[The rhinofiberscope used in nasotracheal intubation. Description of a method] Eriksen S. **Ugeskr Laeger** 1986 Sep 22;148(39):2478–80 (Eng. Abstr.) **(Dan)**

[Comparison between endoscopic and surgical intubation in the palliative treatment of neoplastic stenosis of the esophagus] Garbarini A, et al. **Minerva Chir** 1987 Apr 30; 42(8):727–34 (Eng. Abstr.) **(Ita)**

[Operative or endoscopic intubation of malignant strictures of the lower part of the esophagus and cardia] Berstad T, et al. **Tidsskr Nor Laegeforen** 1986 Aug 20; 106(23):1807–9 (Eng. Abstr.) **(Nor)**

VETERINARY

Abomasal intubation of young calves. Chapman HW. **Can J Vet Res** 1986 Apr;50(2):291–2

INTUBATION, GASTROINTESTINAL

see related

ENTERAL FEEDING

Enteral feeding in very-low-birth-weight infants. A comparison of two nasogastric methods. Toce SS, et al. **Am J Dis Child** 1987 Apr;141(4):439–44

Endoscopic colonic decompression of toxic megacolon, placement of colonic tube, and steroid colonclysis. Banez AV, et al. **Am J Gastroenterol** 1987 Jul;82(7):692–4

Preventing gastric regurgitation with a ballooned nasogastric tube. Lahiri SK. **Ann R Coll Surg Engl** 1987 May; 69(3):122–6

Use of tubes and radiographs in the management of small bowel obstruction. Brolin RE, et al. **Ann Surg** 1987 Aug; 206(2):126–33

Comparison of noninvasive breath hydrogen test for gastric acid secretion to standard intubation test in infants and young children. Stephensen CB, et al. **Dig Dis Sci** 1987 Sep;32(9):978–84

Comparison of noninvasive breath hydrogen test for gastric acid secretion to standard intubation test in adults. Stephensen CB, et al. **Dig Dis Sci** 1987 Sep;32(9):973–7

Percutaneous endoscopic duodenostomy. Alberti-Flor JJ, et al. **Gastrointest Endosc** 1986 Oct;32(5):350–2

Percutaneous endoscopic gastrojejunostomy: a technique to facilitate passage of the jejunostomy tube [letter] DeRidder PH, et al. **Gastrointest Endosc** 1986 Oct;32(5):369–70

Simplified endoscopic placement of nasoenteral feeding tubes. Van Stiegmann G, et al. **Gastrointest Endosc** 1986 Oct;32(5):349–50

Medications for use in patients with enteral feeding tubes [letter] Zuerker JC, et al. **Gastrointest Endosc** 1987 Apr; 33(2):127

Anastomosis of intracolonic bypass tube by the use of EEA stapler. An experimental study [published erratum appears in Ital J Surg Sci 1986;16(4):328] Ravo B, et al. **Ital J Surg Sci** 1986;16(3):179–83

Prevention of hypoxaemia during upper-gastrointestinal endoscopy by means of oxygen via nasal cannulae. Bell GD, et al. **Lancet** 1987 May 2;1(8540):1022–4

[Iatrogenic pneumothorax following use of a nasogastric tube] Goeters C, et al. **Zentralbl Chir** 1987;112(7):447–50 (Ger)

[A transnasal decompression tube and medicamentous stimulation of intestinal motility in the treatment of diffuse appendicular peritonitis in young children] Gauens IaK, et al. **Vestn Khir** 1986 Sep;137(9):107–9 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Strangulation of the colon caused by an intestinal decompression tube: radiographic findings. Yoshino MT, et al. **AJR** 1987 Oct;149(4):735–6

Nasogastric intubation: morbidity in an asymptomatic patient. Gough D, et al. **Am J Emerg Med** 1986 Nov;4(6):511–3

Partial deployment of the Garren gastric bubble: a new complication. Fedotin MS, et al. **Am J Gastroenterol** 1987 May;82(5):470–1

Management of oral-gastric lavage tube impaction of the esophagus. Weiner BC. **Am J Gastroenterol** 1986 Dec; 81(12):1202–4

Dangers of placement of narrow bore nasogastric feeding tubes. Biggart M, et al. **Ann R Coll Surg Engl** 1987 May; 69(3):119–21

Inadvertent inflation of the balloon: a rare but serious complication of Miller-Abbott intubation. Cho SR, et al. **Br J Radiol** 1987 Jun;60(714):547–51

Bronchopleural complications of nasogastric feeding tubes. Hendry PJ, et al. **Crit Care Med** 1986 Oct;14(10):892–4

Prevention of suction-induced gastric mucosal damage in dogs. Van Way CW 3d. **Crit Care Med** 1987 Aug; 15(8):774–7

Nasogastric feeding tubes [letter] Widmann WD. **Crit Care Med** 1987 May;15(5):541

Hyperbaric therapy for the removal of an obstructing intestinal tube balloon. Lautin EM, et al. **Gastrointest Radiol** 1987;12(3):243–4

The successful surgical removal of intracranial nasogastric tubes. Fletcher SA, et al. **J Trauma** 1987 Aug;27(8):948–52

Inadvertent dislodgement of nasoenteral feeding tubes: incidence and prevention. Meer JA. **JPEN J Parenter Enteral Nutr** 1987 Mar-Apr;11(2):187–9

Perforation of the small bowel after insertion of feeding jejunostomy: a case report. Sorensen VJ, et al. **JPEN J Parenter Enteral Nutr** 1987 Mar-Apr;11(2):202–4

[Attempt at preventive treatment of esophagitis caused by intubation during intensive care] Baccino E, et al. **Gastroenterol Clin Biol** 1987 Jan;11(1):24–8 (Eng. Abstr.) **(Fre)**

[Upper gastrointestinal hemorrhage as a rare complication of stomach catheterization] Seidlmayer-Grimm E, et al. **Anaesthesist** 1987 Feb;36(2):73–5 (Eng. Abstr.) **(Ger)**

[Iatrogenic perforation of the esophagus in newborn infants] Töpke B, et al. **Kinderarztl Prax** 1986 Oct;54(10):583–6 (Eng. Abstr.) **(Ger)**

[A rare complication of nasogastric intubation (letter)] Parada AA, et al. **Rev Paul Med** 1986 Mar-Apr;104(2):109 **(Por)**

[Apropos of a case of mucosa dissection caused by nasal intubation (letter)] Tejada JJ, et al. **Rev Esp Anestesiol Reanim** 1986 Jul-Aug;33(4):277–8 **(Spa)**

INSTRUMENTATION

Small-bowel obstruction due to an intestinal balloon: treatment by percutaneous needle puncture. Sato Y, et al. **AJR** 1986 Nov;147(5):1019–20

A comparison of Levin and sump nasogastric tubes for postoperative gastrointestinal decompression. Ikard RW, et al. **Am Surg** 1987 Jan;53(1):50–3

Long tubes vs nasogastric tubes in the treatment of intestinal obstruction [letter] Brolin RE. **Arch Surg** 1987 Jan; 122(1):118

Speaking out on nasogastric feeding [letter] Freedman J. **Geriatr Nurs (New York)** 1987 Jan-Feb;8(1):7

Anti-reflux small bowel enema tube. Freson M, et al. **J Belge Radiol** 1987;70(1):49–51

Nursing management of the infant with an intraoral appliance. Budreau G, et al. **J Obstet Gynecol Neonatal Nurs** 1987 Jan-Feb;16(1):23–5

[Intrabronchial deviation of a stomach tube—a case report] Prenzel E, et al. **Anaesthesiol Reanim** 1987;12(2):115–7 (Eng. Abstr.) **(Ger)**

[Knotting of stomach and endotracheal tubes] Busch W, et al. **Anaesthesist** 1987 Apr;36(4):178–9 (Eng. Abstr.) **(Ger)**

[Difficulties in extubation—example of an extubation hindrance caused by a stomach tube] Kulka P, et al. **Anasth Intensivther Notfallmed** 1987 Feb;22(1):37–8 (Eng. Abstr.) **(Ger)**

[Small intestine drainage tube with a guide and ways of using it] Dorofeev VG, et al. **Khirurgiia (Mosk)** 1987 May; (5):129–32 **(Rus)**

METHODS

Nasogastric intubation caveat [letter] Hansel B. **Am J Emerg Med** 1987 Sep;5(5):468

Balloon occlusion of pharyngeal pouch as aid to nasoenteric intubation. Birchall IW, et al. **Br Med J [Clin Res]** 1987 Jun 6;294(6585):1464

Translaryngeal guided intubation for difficult intubation. King HK, et al. **Crit Care Med** 1987 Sep;15(9):869–71

Fluoroscopic placement of nasoenteric tubes [letter] Sax HC, et al. **Crit Care Med** 1987 Aug;15(8):802–3

Insertion of difficult nasogastric tubes through a nasoesophageally placed endotracheal tube. Siegel IB, et al. **Crit Care Med** 1987 Sep;15(9):876–7

Endoscopic placement of nasoenteral feeding tubes [letter] Gallo S. **Gastrointest Endosc** 1987 Apr;33(2):126–7

Efficacy of metoclopramide as an adjunct to duodenal placement of small-bore feeding tubes: a randomized, placebo-controlled, double-blind study. Kittinger JW, et al. **JPEN J Parenter Enteral Nutr** 1987 Jan-Feb;11(1):33–7

A technique for positioning nasoenteral feeding tubes. Raff MH, et al. **JPEN J Parenter Enteral Nutr** 1987 Mar-Apr; 11(2):210–3

Gavage tube insertion in the premature infant. Weibley TT, et al. **MCN** 1987 Jan-Feb;12(1):24–7

Avoidance of jejunostomy. A reliable method of naso-enteral tube placement after oesophageal surgery. Conlan AA, et al. **S Afr Med J** 1986 Nov 22;70(11):671–3

Endoscopic placement of a weighted tip feeding tube in complex surgical patients. Guice KS, et al. **Surg Gynecol Obstet** 1987 Mar;164(3):272–3

A method for securing nasogastric tubes in unco-operative patients. Sax HC, et al. **Surg Gynecol Obstet** 1987 May; 164(5):471–2

[Long-term decompression of the intestines in acute peritonitis and intestinal obstruction] Liubenko LA, et al. **Klin Khir** 1987;(4):30–2 (Eng. Abstr.) **(Rus)**

[Transanal intestinal intubation in acute intestinal obstruction and peritonitis] Petrenko EL. **Klin Khir** 1987;(4):67–8 **(Rus)**

[Problem of simultaneous decompression of different segments of the digestive tract] Tamazashvili TSh. **Klin Khir** 1986;(8):77–8 **(Rus)**

[Percutaneous endoscopic gastrostomy] Kirberg A, et al. **Rev Med Chil** 1986 Sep;114(9):832–6 (Eng. Abstr.) **(Spa)**

NURSING

[Care of severely burned patients with nasal feeding] Shi M. **Chung Hua Hu Li Tsa Chih** 1986 Dec;21(9):396–7 **(Chi)**

VETERINARY

Nasogastric intubation of the horse [letter] Pattison IH. **Vet Rec** 1987 Jun 13;120(24):584

INTUBATION, INTRATRACHEAL

Relationship between frequency of ventilation, airways and pulmonary artery pressures, cardiac output and tracheal tube deadspace. Chakrabarti MK, et al. **Acta Anaesthesiol Scand** 1986 Nov;30(8):678–84

Change in tracheal blood flow during endotracheal intubation. Joh S, et al. **Acta Anaesthesiol Scand** 1987 May; 31(4):300–4

Intubating conditions after vecuronium and atracurium given in divided doses (the priming technique). Mirakhur RK, et al. **Acta Anaesthesiol Scand** 1986 Jul;30(5):347–50

Effect of clonidine on haemodynamic responses to endotracheal intubation and on gastric acidity. Orko R, et al. **Acta Anaesthesiol Scand** 1987 May;31(4):325–9

Thoracolumbar epidural anaesthesia blocks the circulatory response to laryngoscopy and intubation. Wattwil M, et al. **Acta Anaesthesiol Scand** 1987 Aug;31(6):529–31

Instill ET tube drugs only with lock-on needle [letter] Music AT. **Am J Nurs** 1987 Mar;87(3):299

A rare cause of unexpected difficult intubation [letter] Chopra V. **Anaesthesia** 1986 Nov;41(11):1158

Severe upper airway obstruction and difficult intubation in cicatricial pemphigoid. Drenger B, et al. **Anaesthesia** 1986 Oct;41(10):1029–31

Topical nitroglycerin. A safeguard against pressor responses to tracheal intubation. Kamra S, et al. **Anaesthesia** 1986 Nov;41(11):1087–91

The effect of sufentanil on the cardiovascular responses to tracheal intubation. Kay B, et al. **Anaesthesia** 1987 Apr; 42(4):382–6

Unexpected difficult intubation. Asymptomatic epiglottic cysts as a cause of upper airway obstruction during anaesthesia. Mason DG, et al. **Anaesthesia** 1987 Apr; 42(4):407–10

Cardiovascular response to intubation [letter] Palkar NV. **Anaesthesia** 1986 Nov;41(11):1153–4

Difficult tracheal intubation: a retrospective study. Samsoon GL, et al. **Anaesthesia** 1987 May;42(5):487–90

Insertion of intratracheal stents. Anaesthetic management using high frequency jet ventilation or cardiopulmonary bypass. Sherry KM, et al. **Anaesthesia** 1987 Jan;42(1):61–6

Tracheopathia osteochondroplastica. A cause of unexpected difficulty in tracheal intubation. Smith DC, et al. **Anaesthesia** 1987 May;42(5):536–8

End-tidal PCO2 measurements sampled at the distal and proximal ends of the endotracheal tube in infants and children. Badgwell JM, et al. **Anesth Analg** 1987 Oct; 66(10):959–64

Changes in anterior fontanel pressure in preterm neonates during tracheal intubation. Friesen RH, et al. **Anesth Analg** 1987 Sep;66(9):874–8

Removal of endotracheal tube connectors [letter] Hayes SR, et al. **Anesth Analg** 1987 Oct;66(10):1059–60

The work of breathing [letter] Healy TE. **Anesth Analg** 1987 Aug;66(8):801

Deep neck abscesses in adults: management of a difficult airway. Heindel DJ. **Anesth Analg** 1987 Aug;66(8):774–6

Priming with atracurium: improving intubating conditions with additional doses of thiopental. Naguib M, et al. **Anesth Analg** 1986 Dec;65(12):1295–9

Intravenous lidocaine: optimal time of injection before tracheal intubation. Tam S, et al. **Anesth Analg** 1987 Oct; 66(10):1036–8

Changes in EEG spectral edge frequency correlate with the hemodynamic response to laryngoscopy and intubation. Rampil IJ, et al. **Anesthesiology** 1987 Jul;67(1):139–42

Preventing endotracheal tube fire during pharyngeal surgery [letter] Sommer RM. **Anesthesiology** 1987 Mar;66(3):439

The use of ketamine for the emergency intubation of patients with status asthmaticus. L'Hommedieu CS, et al. **Ann Emerg Med** 1987 May;16(5):568–71

The effect of dilution on plasma lidocaine levels with endotracheal administration. Mace SE. **Ann Emerg Med** 1987 May;16(5):522–6

Endotracheal resuscitation of preterm infants at birth. Hoskyns EW, et al. **Arch Dis Child** 1987 Jul;62(7):663–6

Endotracheal suction techniques in the neonate [letter] Watkinson M, et al. **Arch Dis Child** 1986 Nov;61(11):1147–8

The dangers of premature extubation after severe birth asphyxia. Fletcher J, et al. **Aust Paediatr J** 1987 Feb; 23(1):27–9

Effects of alfentanil on the pressor and catecholamine responses to tracheal intubation. Crawford DC, et al. **Br J Anaesth** 1987 Jun;59(6):707–12

Effect of topical lignocaine on the sympathoadrenal responses to tracheal intubation. Derbyshire DR, et al. **Br J Anaesth** 1987 Mar;59(3):300–4

Effect of nasotracheal intubation on nasal mucociliary clearance. Elwany S, et al. **Br J Anaesth** 1987 Jun; 59(6):755–9

Cardiovascular and catecholamine responses to laryngoscopy with and without tracheal intubation. Shribman AJ, et al. **Br J Anaesth** 1987 Mar;59(3):295–9

Effect of halothane on cardiovascular and plasma catecholamine responses to tracheal intubation. Turner DA, et al. **Br J Anaesth** 1986 Dec;58(12):1365–70

Measurement of total respiratory impedance via the endotracheal tube; a model study. Michels A, et al. **Bull Eur Physiopathol Respir** 1986 Nov–Dec;22(6):615–20

Neuromuscular blockade for rapid tracheal intubation in children: comparison of succinylcholine and pancuronium. Cunliffe M, et al. **Can Anaesth Soc J** 1986 Nov;33(6):760–4

Esmolol for control of increases in heart rate and blood pressure during tracheal intubation after thiopentone and succinylcholine. Liu PL, et al. **Can Anaesth Soc J** 1986 Sep;33(5):556–62

When to extubate the croup patient: the "leak" testAdderley RJ, et al. **Can J Anaesth** 1987 May;34(3 (Pt 1)):304–6

Ocular responses after intravenous lidocaine [letter] Drenger B, et al. **Can J Anaesth** 1987 Mar;34(2):219

The difficult tracheal intubation. McIntyre JW. **Can J Anaesth** 1987 Mar;34(2):204–13

Rapid tracheal intubation—atracurium may not be the answer [letter] McLeod ME, et al. **Can J Anaesth** 1987 Mar; 34(2):217–8

Elective oro-tracheal intubation to diagnose sleep apnea syndrome in children with Down's syndrome and ventricular septal defect. Kasian GF, et al. **Can J Cardiol** 1987 Jan–Feb;3(1):2–5

Endotracheal tube modification for therapy of right-sided pulmonary interstitial emphysema. DeWitte DB, et al. **Clin Pediatr (Phila)** 1986 Dec;25(12):626–8

Bacteriologic assessment of the lower respiratory tract in intubated patients. Baigelman W, et al. **Crit Care Med** 1986 Oct;14(10):864–8

Elective orotracheal intubation and aspiration for microbiologic diagnosis in children. Kasian GF, et al. **Crit Care Med** 1986 Oct;14(10):878–80

The effect of ketamine on the peripheral circulation: a possible sympathetic ganglion blocking effect. Nijboer JA, et al. **Eur J Anaesthesiol** 1986 Mar;3(2):143–51

Attenuation of pulse rate & blood pressure-response to laryngoscopy & intubation with verapamil. Puri GD, et al. **Indian J Med Res** 1986 Nov;84:548–51

Acute epiglottitis: management by short duration of intubation and hospitalisation. Gerber AC, et al. **Intensive Care Med** 1986;12(6):407–11

Turbinate destruction—a rare complication of nasotracheal intubation. Wilkinson JA, et al. **J Emerg Med** 1986; 4(3):209–12

A comparison of endotracheal intubation and tracheostomy in the management of acute epiglottitis in children in the tropics. Odetoyinbo O. **J Laryngol Otol** 1986 Nov; 100(11):1273–8

Palliative intubation of the tracheobronchial tree. Orlowski TM. **J Thorac Cardiovasc Surg** 1987 Sep;94(3):343–8

Facilitation of rapid endotracheal intubation and neuromuscular effect with priming dose of atracurium in pediatrics. Chen WS, et al. **Ma Tsui Hsueh Tsa Chi** 1985 Mar;23(1):27–32

Plasma beta-endorphin levels during laryngoscopy and tracheal intubation with and without using fentanyl preloading. Lee TK, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Jun;24(2):94–104

Controlled supplemental oxygenation during tracheobronchial hygiene. Walsh CM, et al. **Nurs Res** 1987 Jul–Aug;36(4):211–5

Sialolith lodged in an endotracheal tube? Greenman D. **Oral Surg Oral Med Oral Pathol** 1987 Jul;64(1):130

Duration of intubation in children with acute epiglottitis. Gonzalez C, et al. **Otolaryngol Head Neck Surg** 1986 Nov; 95(4):477–81

Severe upper airway obstruction. Kilham H, et al. **Pediatr Clin North Am** 1987 Feb;34(1):1–14

Succesful direct extubation of very low birth weight infants from low intermittent mandatory ventilation rate. Kim EH, et al. **Pediatrics** 1987 Sep;80(3):409–14

[Arterial oxygen saturation around the period of tracheal intubation—an assessment of oxygenation time] Chau SW, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Dec;24(4):263–70 (Eng. Abstr.) **(Chi)**

[Does the "priming" technic (pre-injection) allow the safe use of non-depolarizing curare-like agents for the intubation of patients at risk?] Duvaldestin P, et al. **Ann Fr Anesth Reanim** 1987;6(3):147–8 **(Fre)**

[Conditions of intubation with vecuronium using a priming principle] Schalck R, et al. **Ann Fr Anesth Reanim** 1987; 6(3):169–72 (Eng. Abstr.) **(Fre)**

[Indications for a bronchial separator in lung surgery] Coulon C, et al. **Cah Anesthesiol** 1986 Dec;34(8):687–90 **(Fre)**

[Blind nasotracheal intubation in the muscle-relaxed patient] Fassolt A. **Anaesthesist** 1986 Aug;35(8):504–8 (Eng. Abstr.) **(Ger)**

[Difficult intubation due to an unusual anomaly of the larynx] Gerig HJ, et al. **Anaesthesist** 1986 Aug;35(8):514–5 (Eng. Abstr.) **(Ger)**

[Aspiration and hypoxia after extubation] Keller UM. **Anaesthesist** 1987 Jan;36(1):39–45 (Eng. Abstr.) **(Ger)**

[Vecuronium in crash intubation] Tryba M, et al. **Anaesthesist** 1986 Aug;35(8):509–13 (Eng. Abstr.) **(Ger)**

[Incidence of maxillary sinusitis in intensive care patients with nasal intubation—ultrasonic diagnosis as a screening test] Bockmeyer M, et al. **HNO** 1987 Jul;35(7):282–5 (Eng. Abstr.) **(Ger)**

[Comparison of suxamethonium and atracurium in endotracheal intubation] Pini G, et al. **Minerva Anestesiol** 1986 May;52(5):143–8 (Eng. Abstr.) **(Ita)**

[Span plasty and internal tracheal tube fixation in a case of tracheobronchomalacia] Yamaguchi Y, et al. **Kyobu Geka** 1987 Jan;40(1):69–71 (Eng. Abstr.) **(Jpn)**

[Endotracheal intubation using vecuronium bromide during pentazocine-diazepam-N2O anesthesia] Itoh K, et al. **Masui** 1986 Oct;35(10):1556–64 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of tracheal anastomotic stenosis] Kikuchi K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Aug; 34(8):1169–73 (Eng. Abstr.) **(Jpn)**

[Effect of artificial pulmonary ventilation by mask and tracheal intubation during induction anesthesia on cerebrospinal fluid pressure in neurosurgical patients] Stolkarts IZ. **Anesteziol Reanimatol** 1986 Sep–Oct;(5):3–5 (Eng. Abstr.) **(Rus)**

[Conditions of intubation with vecuronium. Priming dose technic versus single bolus dose] Gómez Sainz JJ, et al. **Rev Esp Anestesiol Reanim** 1987 Mar–Apr;34(2):118–21 (Eng. Abstr.) **(Spa)**

[Comparative study between vecuronium bromide and pancuronium (letter)] Gómez Sainz JJ, et al. **Rev Esp Anestesiol Reanim** 1986 Nov–Dec;33(6):454 **(Spa)**

ADVERSE EFFECTS

Does the choice of the neuromuscular blocking agent affect the cardiovascular response to intubation? Lavery GG, et al. **Acta Anaesthesiol Scand** 1987 Apr;31(3):239–43

Palatal grooves in orally intubated newborns [letter] Ginther WH. **Am J Dis Child** 1986 Nov;140(11):1097

Possible statistical error in an endotracheal tube study [letter] Hill ES. **Am J Dis Child** 1986 Nov;140(11):1099–100

Pulmonary edema complicating relief of upper airway obstruction. Galvis AG. **Am J Emerg Med** 1987 Jul; 5(4):294–7

Airway complications in patients with closed-head injuries. Nowak P, et al. **Am J Otolaryngol** 1987 Mar–Apr;8(2):91–6

Diagnosis of nosocomial pneumonia in intubated, intensive care unit patients. Salata RA, et al. **Am Rev Respir Dis** 1987 Feb;135(2):426–32

Intubation in cervical spine injury [letter] deLacy JL. **Anaesth Intensive Care** 1987 Feb;15(1):120

Cuff pressures in prolonged intubation [letter] Lawrence JC. **Anaesth Intensive Care** 1986 Nov;14(4):466

Piriform fossa perforation during attempted tracheal intubation. a Wengen DF. **Anaesthesia** 1987 May; 42(5):519–21

A nasal adhesion following prolonged nasotracheal intubation. Sherry KM, et al. **Anaesthesia** 1987 Jun; 42(6):651–3

Cellulitis as a complication of difficult tracheal intubation [letter] Young PN, et al. **Anaesthesia** 1987 May;42(5):569

Esophageal intubation [letter] **Anesth Analg** 1987 May; 66(5):481–3

Bacteremia as a complication of nasotracheal intubation. Dinner M, et al. **Anesth Analg** 1987 May;66(5):460–2

Evaluation of esmolol in controlling increases in heart rate and blood pressure during endotracheal intubation in patients undergoing carotid endarterectomy. Cucchiara RF, et al. **Anesthesiology** 1986 Nov;65(5):528–31

Transient hypoxemia from a transient right-to-left shunt in a child during emergence from anesthesia. Moorthy SS, et al. **Anesthesiology** 1987 Feb;66(2):234–5

Endobronchial intubation: a preventable complication. Owen RL, et al. **Anesthesiology** 1987 Aug;67(2):255–7

Are we too dependent on "monitoring gadgets"? [letter] Stevens RE. **Anesthesiology** 1987 May;66(5):703–4

Correlation of endotracheal tube size with sore throat and hoarseness following general anesthesia. Stout DM, et al. **Anesthesiology** 1987 Sep;67(3):419–21

Orotracheal intubation and potential cervical spine injury [letter] Walls RM. **Ann Emerg Med** 1987 Mar;16(3):373–4

Risk factors for neonatal acquired subglottic stenosis. Dankle SK, et al. **Ann Otol Rhinol Laryngol** 1986 Nov–Dec;95(6 Pt 1):626–30

Pathogenesis of subglottic stenosis from endotracheal intubation. Hawkins DB. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb;96(1 Pt 1):116–7

Prolonged intubation of neonates. Dankle SK, et al. **Arch Otolaryngol Head Neck Surg** 1987 Aug;113(8):841–3

Use of steroids and a long-acting vasoconstrictor in the treatment of postintubation croup. A ferret model. Postma DS, et al. **Arch Otolaryngol Head Neck Surg** 1987 Aug; 113(8):844–9

Neonatal palatal deformity following oral intubation. Warwick-Brown MM. **Br Dent J** 1987 Apr 11;162(7):258–9

Paranasal sinusitis: a complication of nasotracheal intubation [letter] Kumar CM, et al. **Br J Anaesth** 1986 Oct; 58(10):1205

Laryngographic changes following endotracheal intubation in adults. Lesser TH, et al. **Br J Disord Commun** 1986 Aug; 21(2):239–44

Post-extubation pulmonary edema following anesthesia induced by upper airway obstruction. Are certain patients at increased risk? Lorch DG, et al. **Chest** 1986 Dec; 90(6):802–5

Aspiration of a nasotracheal tube. A complication of nasotracheal intubation and mechanism for retrieval. McGrath RB, et al. **Chest** 1987 Jan;91(1):148–9

Acute paranasal sinusitis related to nasotracheal intubation of head-injured patients. Grindlinger GA, et al. **Crit Care Med** 1987 Mar;15(3):214–7

Iatrogenic epithelial change caused by endotracheal intubation of neonates. Gau GS, et al. **Early Hum Dev** 1987

Jul;15(4):221–9
Cricoarytenoid subluxation, computed tomography, and electromyography findings. Close LG, et al. **Head Neck Surg** 1987 Jul–Aug;9(6):341–8
The relationship between endotracheal suctioning and changes in intracranial pressure: a review of the literature. Rudy EB, et al. **Heart Lung** 1986 Sep;15(5):488–94 (32 ref.)
A quantitative comparison of the early histopathological changes from tracheotomy and endotracheal intubation on the distal trachea in fetal lambs. Brodsky L, et al. **Int J Pediatr Otorhinolaryngol** 1987 Feb;12(3):273–82
Benzydamine for the prevention of pharyngo–laryngeal pathology following tracheal intubation. Mazzarella B, et al. **Int J Tissue React** 1987;9(2):121–9
Airway obstruction associated with an endotracheal tube. Støen R, et al. **Intensive Care Med** 1987;13(4):295–6
Prolonged endotracheal intubation in neonates with hyaline membrane disease. Weir N, et al. **J Otolaryngol** 1986 Dec; 15(6):351–4
Posterior tracheal wall disruption: a rare complication of pediatric tracheotomy and bronchoscopy. Crysdale WS, et al. **Laryngoscope** 1986 Nov;96(11):1279–82
Attenuation of circulatory response to laryngoscopy and tracheal intubation—a comparative study of different low doses of fentanyl with or without additional lidocaine in various regimens. Yang MW, et al. **Ma Tsui Hsueh Tsa Chi** 1985 Jun;23(2):54–60
Obstructed wire reinforced latex tubes—a report on five cases. Al-Shanableh JS. **Middle East J Anesthesiol** 1987 Jun;9(2):219–20
Bronchopleural fistula: pulmonary changes in a neonate. Plous RH, et al. **Mt Sinai J Med (NY)** 1986 Jun;53(6):485–8
A countermeasure for the vocal and tracheal disturbances caused by the long-term use of the endotracheal tube in about 56 cases. Kawai H, et al. **Panminerva Med** 1986 Oct–Dec;28(4):413–6
Postintubation tracheitis in the newborn. Rojas J, et al. **Pediatr Infect Dis** 1986 Nov–Dec;5(6):714–5
Subglottic stenosis in newborns after mechanical ventilation. Marcovich M, et al. **Prog Pediatr Surg** 1987;21:8–19
Reinforced endotracheal tube placement: radiographic misdiagnosis. Gorback MS, et al. **Radiology** 1987 Feb; 162(2):579
Unrecognized esophageal placement of endotracheal tubes. Adriani J. **South Med J** 1986 Dec;79(12):1591–3
[Compare the influence of blood pressure and heart rate response to laryngoscopy and tracheal intubation with lidocaine and fentanyl] Yang CY, et al. **Ma Tsui Hsueh Tsa Chi** 1985 Mar;23(1):22–6 (Eng. Abstr.) **(Chi)**
[Pathomorphologic findings in the larynx in small children after prolonged tracheal intubation] Bednaříková L, et al. **Cesk Otolaryngol** 1987 Jan;36(1):5–8 (Eng. Abstr.) **(Cze)**
[Acquired tracheal stenoses] Horáček J. **Cesk Patol** 1986 Aug; 22(3):169–75 (Eng. Abstr.) **(Cze)**
[Pulmonary edema after laryngospasm] Arnaud D, et al. **Ann Fr Anesth Reanim** 1987;6(1):42–4 (Eng. Abstr.) **(Fre)**
[Laryngeal complications of endotracheal intubation] Dutoit-Marco ML, et al. **Ann Fr Anesth Reanim** 1987; 6(3):182–94 (102 ref.) **(Fre)**
[Tracheal and laryngeal stenosis caused by tracheal intubation] H'Mida MJ, et al. **Can Anesthesiol** 1986 Nov; 34(7):581–5 **(Fre)**
[Reduction of circulatory reactions to intratracheal intubation—the effect of meptazinol] Kay B. **Anaesthesist** 1986 Aug;35(8):500–3 (Eng. Abstr.) **(Ger)**
[Long-term management of tracheoesophageal fistula—successful control by esophageal segmentation and stomach pull-up] Roscher R, et al. **Chirurg** 1986 Aug; 57(8):502–5 (Eng. Abstr.) **(Ger)**
[Iatrogenic perforation of the esophagus in newborn infants] Töpke B, et al. **Kinderarztl Prax** 1986 Oct;54(10):583–6 (Eng. Abstr.) **(Ger)**
[Therapy of ankylosis of the cricoarytenoid joint following intubation] Johannsen HS, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Feb;66(2):82–3 (Eng. Abstr.) **(Ger)**
[Laryngotracheal stenosis caused by intubation] Pia F, et al. **Acta Otorhinolaryngol Ital** 1986 Nov–Dec;6(6):631–40 (Eng. Abstr.) **(Ita)**
[Laryngotracheal complications of intubation in children (the causes and ways of prevention)] Aslanian GG. **Vestn Otorinolaringol** 1986 Sep–Oct;(5):55–60 (Eng. Abstr.) **(Rus)**
[Surgical treatment of post-intubation cicatricial stenoses of the larynx in young children] Shuster MA, et al. **Vestn Otorinolaringol** 1987 May–Jun;(3):53–8 (Eng. Abstr.) **(Rus)**
[Does racemic epinephrine prevent post-extubation atelectasis?] Echevarría-Ybargüengoitia JL, et al. **Bol Med Hosp Infant Mex** 1986 Dec;43(12):750–4 (Eng. Abstr.) **(Spa)**
[Post-intubation subglottic hematoma (letter)] Coromina Isern J, et al. **Rev Esp Anestesiol Reanim** 1986 Nov–Dec; 33(6):458–9 **(Spa)**
[Attenuation of the cardiovascular response to tracheal intubation] Gonçalves M, et al. **Rev Esp Anestesiol Reanim** 1986 Sep–Oct;33(5):298–302 (Eng. Abstr.) **(Spa)**
[Tracheo–carotid fistula in an immunosuppressed child during prolonged naso–tracheal intubation] Guadalix JI, et al. **Rev Esp Anestesiol Reanim** 1987 May–Jun;34(3):217–8 (Eng. Abstr.) **(Spa)**
[A complication of intratracheal intubation] Unzueta Merino MC, et al. **Rev Esp Anestesiol Reanim** 1987 Mar–Apr; 34(2):151–3 (Eng. Abstr.) **(Spa)**

ECONOMICS

Intubating by sense, not dollars [letter] Shapiro JD. **Anesth Analg** 1987 Apr;66(4):373

EDUCATION

Training in fibreoptic intubation [letter] Davies NJ, et al. **Anaesthesia** 1986 Dec;41(12):1265

HISTORY

[The history of endotracheal anesthesia, with special regard to the development of the endotracheal tube] Brandt L. **Anaesthesist** 1986 Sep;35(9):523–30 (Eng. Abstr.) **(Ger)**
[History of intubation] Luckhaupt H, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Sep;65(9):506–10 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Airway lesions caused by prolonged intubation with standard and with anatomically shaped tracheal tubes. A post–mortem study. Eckerbom B, et al. **Acta Anaesthesiol Scand** 1986 Jul;30(5):366–73
Modification of Macintosh laryngoscope for difficult intubation [letter] Callander CC, et al. **Anaesthesia** 1987 Jun;42(6):671–2
All that wheezes is not asthma—yet again [letter] Fletcher R. **Anaesthesia** 1987 Apr;42(4):441–2
Armoured tubes are necessary for neuroanaesthesia [letter] Kubota Y, et al. **Anaesthesia** 1986 Oct;41(10):1064–5
Nasotracheal intubation: a problem with another approach [letter] Kuwelker MD, et al. **Anaesthesia** 1987 Apr; 42(4):442
Difficulties with tracheal suction [letter] Prince GD, et al. **Anaesthesia** 1987 Jan;42(1):84
Magill versus Mallinckrodt tracheal tubes. A comparative study of postoperative sore throat. Sprague NB, et al. **Anaesthesia** 1987 Mar;42(3):306–11
Difficult extubation due to a kinked pilot tube [letter] Tanski J, et al. **Anaesthesia** 1986 Oct;41(10):1060
Difficulty in extubation [letter] Wood P. **Anaesthesia** 1987 Feb;42(2):220
A laryngoscope adaptor for difficult intubation. Yentis SM. **Anaesthesia** 1987 Jul;42(7):764–6
Use of a double-lumen endotracheal tube with independent lung ventilation for treatment of refractory atelectasis. Bochenek KJ, et al. **Anesth Analg** 1987 Oct;66(10):1014–7
A foam cuff endotracheal tube T-piece system for use with nitrous oxide anesthesia. Greene SJ, et al. **Anesth Analg** 1986 Dec;65(12):1359–60
"Training" of pediatric endotracheal tubes [letter] Lee CM. **Anesth Analg** 1987 Sep;66(9):920
A simple method for preventing kinking of 2.5-mm ID endotracheal tubes [letter] Yamashita M, et al. **Anesth Analg** 1987 Aug;66(8):803–4
Lighted stylet and endotracheal intubation [letter] **Anesthesiology** 1987 Jun;66(6):851–2
More on management of the difficult airway [letter] Coveler LA. **Anesthesiology** 1987 Jul;67(1):154
Flammability of endotracheal tubes during Nd-YAG laser application in the airway. Geffin B, et al. **Anesthesiology** 1986 Nov;65(5):511–5
Control of endotracheal tube cuff pressure using a simple device [letter] Kay J, et al. **Anesthesiology** 1987 Feb; 66(2):253
Fiberoptic assisted tracheal intubation under general anesthesia with IPPV [letter] McAlpine G, et al. **Anesthesiology** 1987 Jun;66(6):853
A tracheal divider for differential lung ventilation in dogs [letter] Muneyuki M, et al. **Anesthesiology** 1987 Jun; 66(6):856–7
An easily assembled device for transtracheal oxygenation [letter] Reich DL, et al. **Anesthesiology** 1987 Mar; 66(3):437–8
Management of cuff incompetence in an endotracheal tube [letter] Verborgh C, et al. **Anesthesiology** 1987 Mar; 66(3):441
Flammability of endotracheal tubes in oxygen and nitrous oxide enriched atmosphere. Wolf GL, et al. **Anesthesiology** 1987 Aug;67(2):236–9
Cricoid pressure with or without the "cricoid yoke" Lawes EG. **Br J Anaesth** 1986 Dec;58(12):1376–9
Estimation of nasotracheal tube length in infants and children [letter] Yates AP, et al. **Br J Anaesth** 1987 Apr;59(4):524–6
Fibreoptic bronchoscopy for tracheal and endobronchial intubation with a double-lumen tube. Shulman MS, et al. **Can J Anaesth** 1987 Mar;34(2):172–3
Preventing kinking of disposable preformed endotracheal tubes [letter] Yamashita M, et al. **Can J Anaesth** 1987 Jan; 34(1):103
Accidental misconnections to endotracheal and tracheostomy tubes. Katz L, et al. **Can Med Assoc J** 1986 Nov 15; 135(10):1149–51
Changes in tracheal cuff pressure during respiratory support. Badenhorst CH. **Crit Care Med** 1987 Apr;15(4):300–2
Evaluation of an emergency cricothyrotomy instrument. Bjoraker DG, et al. **Crit Care Med** 1987 Feb;15(2):157–60
Evaluation of Nu-trake [letter] Weiss S. **Crit Care Med** 1987 Feb;15(2):183–4
Endotracheal tube toxicity testing by subconjunctival & intramuscular implantation. Saxena A, et al. **Indian J Med Res** 1987 Apr;85:461–6
A simple manoeuvre for changing the tracheal tube [letter] Baraka A, et al. **Intensive Care Med** 1987;13(3):216–7
Nursing management of the infant with an intraoral appliance. Budreau G, et al. **J Obstet Gynecol Neonatal Nurs** 1987 Jan–Feb;16(1):23–5
Bilateral fixation of a nasotracheal tube by transfacial Kirschner wires. Bhaskar PB, et al. **J Oral Maxillofac Surg** 1987 Sep;45(9):805–7
Endotracheal tube safety during laser surgery. Fontenot R Jr, et al. **Laryngoscope** 1987 Aug;97(8 Pt 1):919–21
Selective bronchial intubation for one-lung ventilation in children. Baraka A. **Middle East J Anesthesiol** 1987 Feb; 9(1):9–11
Incendiary characteristics of a new laser-resistant endotracheal tube. Hayes DM, et al. **Otolaryngol Head Neck Surg** 1986 Jul;95(1):37–40
The implanted intratracheal oxygen catheter. Johnson LP, et al. **Surg Gynecol Obstet** 1987 Jul;165(1):74–6
Experiences with the silicone T-tube in man and dog. Edens ET, et al. **Vet Q** 1986 Oct;8(4):334–8
[Montgomery's tube in laryngotracheal stenoses in children (11 cases)] Morgon A, et al. **Ann Otolaryngol Chir Cervicofac** 1986;103(8):577–80 (Eng. Abstr.) **(Fre)**
[Knotting of stomach and endotracheal tubes] Busch W, et al. **Anaesthesist** 1987 Apr;36(4):178–9 (Eng. Abstr.) **(Ger)**
[The esophageal tracheal Combitube (ETC): animal experiment results with a new emergency tube] Frass M, et al. **Anasth Intensivther Notfallmed** 1987 Jun;22(3):142–4 (Eng. Abstr.) **(Ger)**
[Flow resistance in pediatric oro- and nasotracheal tubes] Hachenberg T, et al. **Anasth Intensivther Notfallmed** 1986 Oct;21(5):266–9 (Eng. Abstr.) **(Ger)**
[Fiber optic orotracheal intubation] Jantzen JP, et al. **Anasth Intensivther Notfallmed** 1987 Feb;22(1):14–6 (Eng. Abstr.) **(Ger)**
[Difficulties in extubation—example of an extubation hindrance caused by a stomach tube] Kulka P, et al. **Anasth Intensivther Notfallmed** 1987 Feb;22(1):37–8 (Eng. Abstr.) **(Ger)**
[A new prosthesis for intubation in the treatment of malignant esophago-respiratory fistulae] Kotsis L. **Orv Hetil** 1987 Mar 1;128(9):473–5 (Eng. Abstr.) **(Hun)**
[Endotracheal tube size and related problems in children] Fukatsu O, et al. **Masui** 1986 Aug;35(8):1260–7 (Eng. Abstr.) **(Jpn)**
[A new adapter for fiberoptic bronchoscopy-aided tracheal intubation under controlled ventilation] Imai M, et al. **Masui** 1987 Apr;36(4):629–31 **(Jpn)**
[Anesthesia for laryngomicroscopy and removal of tracheal foreign bodies in children using a special J tube] Taniguchi K, et al. **Masui** 1987 Apr;36(4):613–7 (Eng. Abstr.) **(Jpn)**
[An improved method of tracheal intubation using a guiding device] Obolentsev NI, et al. **Anesteziol Reanimatol** 1987 May–Jun;(3):59–61 (Eng. Abstr.) **(Rus)**

METHODS

Work practices relating to intubation in operating rooms in Sweden. Mehta S, et al. **Acta Anaesthesiol Scand** 1986 Aug; 30(6):480–3
Difficult airway management with neck swelling after carotid endarterectomy. O'Sullivan JC, et al. **Anaesth Intensive Care** 1986 Nov;14(4):460–4
A difficult nasal intubation [letter] Sansome AJ. **Anaesthesia** 1987 Feb;42(2):209–10
Emergency guided blind intubation [letter] Smith DC. **Anaesthesia** 1986 Dec;41(12):1264
Transillumination in fibreoptic intubation [letter] Whitlock JE, et al. **Anaesthesia** 1987 May;42(5):570
Nasotracheal intubation: another approach [letter] Wright PJ. **Anaesthesia** 1986 Oct;41(10):1057–8
Inflation of the endotracheal tube cuff as an aid to blind nasal endotracheal intubation [letter] Gorback MS. **Anesth Analg** 1987 Sep;66(9):916–7
Anesthetic management of a patient with reactive airway disease for carbon dioxide laser debulking of a laryngeal tumor. North C, et al. **Anesth Analg** 1986 Nov; 65(11):1225–6
The temporomandibular joint and tracheal intubation. Redick LF. **Anesth Analg** 1987 Jul;66(7):675–6
Difficult airway? [letter] Rupani G. **Anesth Analg** 1987 Feb; 66(2):198–9
Priming with atracurium. Sosis M, et al. **Anesth Analg** 1987 Apr;66(4):329–32
A jet-stylet endotracheal catheter for difficult airway management. Bedger RC Jr, et al. **Anesthesiology** 1987 Feb; 66(2):221–3
Percutaneous transtracheal high-frequency jet ventilation as an aid to fiberoptic intubation. Boucek CD, et al. **Anesthesiology** 1987 Aug;67(2):247–9
Comparison of intubation techniques in the awake patient: the Flexi-lum surgical light (lightwand) versus blind nasal approach. Fox DJ, et al. **Anesthesiology** 1987 Jan; 66(1):69–71

Using an ureteral catheter as a guide in difficult neonatal fiberoptic intubation [letter] Gouverneur JM, et al. **Anesthesiology** 1987 Mar;66(3):436–7
Guided orotracheal intubation in the operating room using a lighted stylet [letter] Mehta S. **Anesthesiology** 1987 Jan; 66(1):105
An additional use for the esophageal stethoscope [letter] Shah JB, et al. **Anesthesiology** 1986 Oct;65(4):453
A comparison of blind nasotracheal and succinylcholine-assisted intubation in the poisoned patient. Droesen SC, et al. **Ann Emerg Med** 1987 Jun;16(6):650–2
Retrograde intubation of the trachea. McNamara RM. **Ann Emerg Med** 1987 Jun;16(6):680–2
Neuromuscular blocking agents in the ED [letter] Poulton TJ. **Ann Emerg Med** 1987 Jun;16(6):727–9
Should a pillow be placed under the scapulae for intubation? [letter] Donnell MS. **AORN J** 1986 Dec;44(6):909
Cricoid pressure. How, when, and why. Fezer SJ 3d. **AORN J** 1987 Jun;45(6):1374–7
Endotracheal intubation following thyroidectomy. Hamilton NT, et al. **Aust NZ J Surg** 1987 May;57(5):295–8
Oral intubation v. nasal intubation in adult cardiac surgery. Depoix JP, et al. **Br J Anaesth** 1987 Feb;59(2):167–9
Further improvements in the technique of fiberoptic intubation [letter] Oxorn D, et al. **Can Anaesth Soc J** 1986 Nov;33(6):824–5
Use of the protected specimen brush in patients with endotracheal or tracheostomy tubes. Baughman RP, et al. **Chest** 1987 Feb;91(2):233–6
Considerations for managing the airway in the ENT patient. Prust RS, et al. **Contemp Anesth Pract** 1987;9:49–72 (46 ref.)
Management of acute epiglottitis [letter] Fisher GC. **Crit Care Med** 1987 Feb;15(2):182–3
Endotracheal intubation using translaryngeal guided intubation vs. percutaneous retrograde guidewire insertion [letter] King HK, et al. **Crit Care Med** 1987 Feb;15(2):183
Evaluation of two methods used to stabilize oral endotracheal tubes. Tasota FJ, et al. **Heart Lung** 1987 Mar;16(2):140–6
Fiberoptic endotracheal intubation in oral and maxillofacial surgery. Stella JP, et al. **J Oral Maxillofac Surg** 1986 Nov; 44(11):923–5
A practical approach for controlling circulatory responses during tracheal intubation. Wong KS, et al. **Ma Tsui Hsueh Tsa Chi** 1987 Mar;25(1):18–26
A technique for intubation of the difficult airway. Wolf C, et al. **Otolaryngol Head Neck Surg** 1987 Mar;96(3):278–81
Where is the endotracheal tube? [editorial] Murray WB, et al. **S Afr Med J** 1987 Apr 4;71(7):414–5
[Difficult intubations. Clinical pitfalls. Contribution of radiology] Masson M, et al. **J Belge Radiol** 1986;69(6):435–9 (Eng. Abstr.) **(Fre)**
[Intrabuccal fixation technic for oral intubation catheters] Richard P, et al. **Rev Stomatol Chir Maxillofac** 1986; 87(6):402–4 (Eng. Abstr.) **(Fre)**
[Endotracheal intubation and postoperative maintenance of the airways in a patient with thyroid carcinoma] Abe H, et al. **Masui** 1986 Jun;35(6):974–7 (Eng. Abstr.) **(Jpn)**
[Development and effectiveness of a slit type—fenestrated tracheostomy tube in patients with respiratory muscular disease] Dohi H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jul;24(7):729–34 (Eng. Abstr.) **(Jpn)**
[Tracheal stenosis. Palliative intubation] Lind O, et al. **Tidsskr Nor Laegeforen** 1986 Sep 20;106(26):2155–6 (Eng. Abstr.) **(Nor)**
[Blind endotracheal intubation via retrograde guide] Stordahl A, et al. **Tidsskr Nor Laegeforen** 1986 Jun 30; 106(19–21):1590–1 (Eng. Abstr.) **(Nor)**
[Use of the fiberoptic bronchoscope for intubation in maxillofacial surgery] Casals P, et al. **Rev Esp Anestesiol Reanim** 1987 Mar–Apr;34(2):138–40 (Eng. Abstr.) **(Spa)**
[Peculiarities of orotracheal intubation in the pig] de la Torre Gutiérrez SV, et al. **Rev Esp Anestesiol Reanim** 1986 Nov–Dec;33(6):405–7 (Eng. Abstr.) **(Spa)**

NURSING

Airway management for the critically ill patient. Hoffman LA, et al. **Am J Nurs** 1987 Jan;87(1):39–53
Anchoring endotracheal tubes on patients with facial burns. Review from Shriners Burns Institute, Galveston, Texas. Helvig B, et al. **J Burn Care Rehabil** 1987 May–Jun; 8(3):236–7
Anchoring endotracheal tubes on patients with facial burns Medical Center Hospital of Vermont. McDonald I. **J Burn Care Rehabil** 1987 May–Jun;8(3):233–4
Anchoring endotracheal tubes on patients with facial burns. Review from US Army Institute of Surgical Research Fort Sam Houston San Antonio, Texas. McManus WF, et al. **J Burn Care Rehabil** 1987 May–Jun;8(3):237
Anchoring endotracheal tubes on patients with facial burns. Review from Shriners Burns Institute, Cincinnati, Ohio. Schreckenhofer C, et al. **J Burn Care Rehabil** 1987 May–Jun;8(3):234–5
Anchoring endotracheal tubes on patients with facial burns. Review from Harborview Hospital Seattle, Washington. Schulte J. **J Burn Care Rehabil** 1987 May–Jun;8(3):235–6
Ineffective airway clearance related to artificial airway. Shekleton ME, et al. **Nurs Clin North Am** 1987 Mar; 22(1):167–78 (54 ref.)

STANDARDS

Work practices relating to intubation and associated procedures in intensive care units in Sweden. Mehta S, et al. **Acta Anaesthesiol Scand** 1986 Nov;30(8):637–41

VETERINARY

Laryngotracheal injury associated with nasotracheal intubation in the horse. Holland M, et al. **J Am Vet Med Assoc** 1986 Dec 1;189(11):1447–50
A simple technique for endotracheal intubation in rabbits. Fick TE, et al. **Lab Anim** 1987 Jul;21(3):265–6
Endotracheal intubation in guinea pigs by direct laryngoscopy. Blouin A, et al. **Lab Anim Sci** 1987 Apr; 37(2):244–5
Endotracheal intubation and manual ventilation of the rat. Tran DQ, et al. **Lab Anim Sci** 1986 Oct;36(5):540–1

INTUSSUSCEPTION

Neonatal intussusception associated with neonatal small left colon syndrome. Hall SL, et al. **Clin Pediatr (Phila)** 1987 Apr;26(4):191–3
[Idiopathic ileocolic intussusception] Mortensen PB, et al. **Ugeskr Laeger** 1987 Mar 16;149(12):786–7 (Eng. Abstr.) **(Dan)**

COMPLICATIONS

The significance of small bowel intussusception in acquired immune deficiency syndrome. Balthazar EJ, et al. **Am J Gastroenterol** 1986 Nov;81(11):1073–5
Jejunal atresia secondary to intrauterine intussusception, presenting as acute perforation. Reed DN Jr, et al. **Can J Surg** 1987 May;30(3):203–4
Hypertension and intussusception. Prichard JG, et al. **Clin Pediatr (Phila)** 1987 Apr;26(4):196–8
Intussusception presenting with lower gastrointestinal hemorrhage in a hemophiliac. Pauly MP, et al. **Gastrointest Endosc** 1987 Apr;33(2):115–8
Neurological dysfunction as a presentation of intussusception in an infant. Branski D, et al. **J Clin Gastroenterol** 1986 Oct;8(5):604–5
Retrograde jejunogastric intussusception: an unusual cause of hematemesis (a case report). Gupta S, et al. **J Postgrad Med** 1986 Apr;32(2):105–6
Congenital appendiceal–cutaneous fistula with appendiceal intussusception and herniation through an umbilical defect. Shija JK. **J R Coll Surg Edinb** 1986 Jun;31(3):184–5
Acute vomiting and abdominal pain in an infant. Swischuk LE. **Pediatr Emerg Care** 1986 Sep;2(3):201–2
Early coma in intussusception: endogenous opioid induced? Tenenbein M, et al. **Pediatr Emerg Care** 1987 Mar;3(1):22–3
Simultaneous intussusception and volvulus in an adult due to a congenital fibrous band. Robertson JF, et al. **Scott Med J** 1986 Oct;31(4):245–6
Spontaneous expulsion of lipoma per rectum occurring with colonic intussusception. Zamboni WA, et al. **Surgery** 1987 Jan;101(1):104–7
[Bean's syndrome (blue rubber-bleb nevus). Presentation of a case] Maldonado-Rayas J, et al. **Bol Med Hosp Infant Mex** 1987 Apr;44(4):230–4 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Computed tomography and sonography in small bowel intussusception: a case report. Abiri S, et al. **Am J Gastroenterol** 1986 Nov;81(11):1076–7
Intussusception in infants and older children: a comparison. Momoh JT. **Ann Trop Paediatr** 1987 Jun;7(2):118–21
Intussusception in babies under 4 months of age. Newman J, et al. **Can Med Assoc J** 1987 Feb 1;136(3):266–9
Intussusception in children 2 years of age or older. Schuh S, et al. **Can Med Assoc J** 1987 Feb 1;136(3):269–72
Intestinal obstruction in pregnancy. Ezem BU. **East Afr Med J** 1986 Jul;63(7):483–4
Sonography of appendiceal intussusception. Maglinte DD, et al. **Gastrointest Radiol** 1987;12(2):163–5
Caecal duplication cyst presenting as an intussusception in an infant. Yadav K, et al. **J Indian Med Assoc** 1987 Feb; 85(2):57–8
Isolated fetal–neonatal abdominal ascites: a sign of intrauterine intussusception. Woodall DL, et al. **J Pediatr Surg** 1987 Jun;22(6):506–7
Intussusception: a supplement to the mnemonic for coma. McCabe JB, et al. **Pediatr Emerg Care** 1987 Jun;3(2):118–9
The ultrasonic appearance of intussusception. Putkonen M, et al. **Rontgenblatter** 1986 Oct;39(10):291–3
Ultrasound diagnosis in intussusception of the bowel. A case report. Seider R, et al. **S Afr Med J** 1987 Jul 18;72(2):151–2
Distal duodenal carcinoma and intussusception. Sellke FW, et al. **South Med J** 1987 May;80(5):644–6
Intussusception in a premature infant simulating necrotising enterocolitis. Carman J, et al. **Z Kinderchir** 1987 Feb; 42(1):49–51
[Current picture of a classical disease] van der Werf SD, et al. **Ned Tijdschr Geneeskd** 1986 Nov 1;130(44):1969–70 **(Dut)**
[Value of ultrasonics in the diagnosis of acute intestinal invagination in infants and children. Apropos of a series of 60 cases] Arnaud O, et al. **Arch Fr Pediatr** 1986 Jun–Jul; 43(6):407–8 (Eng. Abstr.) **(Fre)**
[An unusual case of invagination] Behrens R, et al. **Monatsschr Kinderheilkd** 1986 Oct;134(10):748–50 (Eng. Abstr.) **(Ger)**
[Invagination ileus as an acute disease picture—also in the adult] Hothorn W. **Z Arztl Fortbild (Jena)** 1986; 80(19):815–8 **(Ger)**
[Intussusception of inverted Meckel's diverticulum: a case report] Saitoh O, et al. **Rinsho Hoshasen** 1987 Jan; 32(1):143–6 (Eng. Abstr.) **(Jpn)**
[Ultrasonic diagnosis of ileocolic intussusception] Skaane P. **Tidsskr Nor Laegeforen** 1987 Jun 30;107(19–21):1674–5 (Eng. Abstr.) **(Nor)**
[A case of leiomyoma of the small intestine with intussusception] Janczewska I, et al. **Pol Tyg Lek** 1987 Apr 13;42(15):446–8 (Eng. Abstr.) **(Pol)**
[Diagnosis and treatment of intestinal invagination in children over 1 year] Iudin IaB, et al. **Khirurgiia (Mosk)** 1986 Aug; (8):32–5 (Eng. Abstr.) **(Rus)**
[Rare disease of the small intestine] Kuznetsov VM, et al. **Khirurgiia (Mosk)** 1987 Mar;(3):112–4 **(Rus)**
[Intestinal blood flow in acute intestinal invagination in children] Podkamenev VV. **Khirurgiia (Mosk)** 1986 Aug; (8):35–8 (Eng. Abstr.) **(Rus)**
[Cecal invagination of the appendix] Moskvin VI, et al. **Klin Khir** 1987;(6):74–5 **(Rus)**
[Tumor-induced colonic invagination in adults—a condition difficult to diagnose] Malmgren N, et al. **Lakartidningen** 1986 Oct 15;83(42):3522–4 **(Swe)**

ETIOLOGY

Jejunogastric intussusception through the enteroanastomosis after gastric resection. Case report. Källén R, et al. **Acta Chir Scand** 1986 Oct;152:637–40
Ileocolic intussusception in large cell lymphoma of the terminal ileum. Report of a case. Greco A, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Nov–Dec;27(6):687–90
Adenomyomatous hamartoma of the small intestine: a rare cause of intussusception in an adult. Gal R, et al. **Am J Gastroenterol** 1986 Dec;81(12):1209–11
Small bowel intussusception due to metastatic renal carcinoma. Haynes IG, et al. **Br J Urol** 1986 Aug;58(4):460
Retrograde jejunogastric intussusception following gastric surgery. Menezes LT, et al. **J Indian Med Assoc** 1986 Oct; 84(10):310–1
Intussusception due to lymphoma. Ein SH, et al. **J Pediatr Surg** 1986 Sep;21(9):786–8
Chronic intussusception due to antral myoepithelioma. Lichtman S, et al. **J Pediatr Surg** 1986 Nov;21(11):955–6
Eosinophilic granulomatous polyp and intussusception (a case report). Dalvi AN, et al. **J Postgrad Med** 1986 Jul; 32(3):171–2, 170B
Peutz-Jeghers syndrome with unusual features (a case report). Saxena PK, et al. **J Postgrad Med** 1986 Oct; 32(4):236–8
Chronic secondary caeco-colic intussusception in a boy associated with primary malignant lymphoma of caecum (a case report). Yadav K, et al. **J Postgrad Med** 1986 Apr; 32(2):94–6
Postoperative intussusception in the paediatric patient. Brown RA, et al. **J R Coll Surg Edinb** 1986 Jun; 31(3):169–70
Adult intussusception in Trinidad. The TG, et al. **J R Coll Surg Edinb** 1987 Feb;32(1):22–3
Ureteral intussusception owing to a malignant ureteral polyp. Moretti KL, et al. **J Urol** 1987 Mar;137(3):493–4
Multiple myelomatosis: an unusual cause of small bowel intussusception. Hill SA, et al. **Postgrad Med J** 1986 Nov; 62(733):1043–4
[Carcinomatous invagination of the colon] Baev S, et al. **Khirurgiia (Sofiia)** 1986;39(5):39–43 (Eng. Abstr.) **(Bul)**
[A lymphatic cyst of the colon as an uncommon cause of invagination in adulthood] Strnad J, et al. **Rozhl Chir** 1986 Jul;65(7):476–9 (Eng. Abstr.) **(Cze)**
[A case of leiomyoma of the jejunum (letter)] De Sarro U. **Minerva Chir** 1987 Feb 28;42(4):351–2 **(Ita)**
[A case of intussusception due to intestinal metastasis of renal carcinoma] Yamada Y, et al. **Gan No Rinsho** 1986 Oct; 32(12):1604–9 (Eng. Abstr.) **(Jpn)**
[A case of enterogastric intussusception after gastrectomy] Brojakowska M, et al. **Wiad Lek** 1986 Jul 15;39(14):985–7 (Eng. Abstr.) **(Pol)**
[Invagination of the sigmoid caused by a tumor] Andrianov AV. **Khirurgiia (Mosk)** 1987 Apr;(4):131 **(Rus)**
[Ileocecal invagination due to non-Hodgkin's lymphoma (letter)] Ares Vidal J, et al. **Rev Esp Enferm Apar Dig** 1987 Feb;71(2):176–7 **(Spa)**
[Intestinal invagination in the adult: apropos of 2 cases] Codina Cazador A, et al. **Rev Esp Enferm Apar Dig** 1986 Oct;70(4):365–8 (Eng. Abstr.) **(Spa)**
[Submucous lipoma of the cecum as a cause of ileocolic invagination in adults. Apropos of 2 cases] Fernández Palacio E, et al. **Rev Esp Enferm Apar Dig** 1987 Jul; 72(1):65–8 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Intussusception in adults. Nagendran T, et al. **Ala Med** 1986 Nov;56(5):28–30
Intussusception of the appendix with a calcified fecalith. Itoh J, et al. **Jpn J Surg** 1987 May;17(3):195–8
[Cancer of the vermiform appendix with invagination] Akhadov MK, et al. **Sov Med** 1987;(4):117–9 **(Rus)**

PHYSIOPATHOLOGY

Intussusception in pregnancy. A case report. Holbert TR. **J Tenn Med Assoc** 1987 Jul;80(7):409–10

RADIOGRAPHY

Enteroenteric intussusception: CT findings in nine patients. Merine D, et al. **AJR** 1987 Jun;148(6):1129–32

Gastrogastric intussusception [letter] Javors BR, et al. **J Clin Gastroenterol** 1987 Feb;9(1):113–4

Computed tomography of intussusception due to colon lipoma. Hodgman CG, et al. **J Comput Assist Tomogr** 1987 Jul–Aug;11(4):740–1

Children intestinal intussusception. Dalle K, et al. **J Med Liban** 1986;36(3):145–8

[Appendicular–cecal invagination. Presentation of a case] Schiavon F, et al. **Radiol Med (Torino)** 1986 Nov; 72(11):856–8 **(Ita)**

[Reliability of the new criteria on abdomiral plain film diagnosis in infancy and early childhood with suspected intussusception] Fukuda M. **Fukuoka Igaku Zasshi** 1986 Aug;77(8):401–7 (Eng. Abstr.) **(Jpn)**

SURGERY

Intussusception in pregnancy. Case report and review of the literature. Watson R, et al. **Br J Obstet Gynaecol** 1986 Oct; 93(10):1093–6

[Isolated invagination of the vermiform appendix] Weydig HJ, et al. **Zentralbl Chir** 1986;111(13):807–10 **(Ger)**

[Treatment of intestinal invagination in children 24 hours after onset] Novokreshchenov LB, et al. **Klin Khir** 1987; (6):31–3 (Eng. Abstr.) **(Rus)**

[Benign mesenchymoma of the terminal portion of the small intestine with tumor invagination into the cecum] Pshukov SI, et al. **Vestn Khir** 1987 Apr;138(4):60–1 **(Rus)**

[Means of reducing postoperative mortality in acute intestinal obstruction in children] Urusov VA, et al. **Vestn Khir** 1986 Aug;137(8):84–8 (Eng. Abstr.) **(Rus)**

[Intestinal invagination in an adult. Analysis of 5 cases] Aguilar Luque J, et al. **Rev Esp Enferm Apar Dig** 1987 Mar;71(3):244–6 (Eng. Abstr.) **(Spa)**

THERAPY

Recurrent intussusception: barium or surgery? Beasley SW, et al. **Aust NZ J Surg** 1987 Jan;57(1):11–4

Intussusception in children: a review of 91 cases. Mackay AJ, et al. **Aust NZ J Surg** 1987 Jan;57(1):15–7

The management of infancy and childhood intussusception in a department of general surgery. Negro P, et al. **Ital J Surg Sci** 1986;16(3):197–203

Hydrostatic reduction of intussusceptions caused by lead points. Ein SH, et al. **J Pediatr Surg** 1986 Oct;21(10):883–6

Results of air pressure enema reduction of intussusception: 6,396 cases in 13 years. Guo JZ, et al. **J Pediatr Surg** 1986 Dec;21(12):1201–3

Barium enema reduction of intussusception in children. Goon Hong Kooi. **Med J Malaysia** 1986 Jun;41(2):166–9

Ileocolic intussusception: hydrostatic reduction in the presence of the dissection sign. Johnson JF, et al. **Pediatr Radiol** 1986;16(6):514–5

Analgesic premedication in the management of ileocolic intussusception. Touloukian RJ, et al. **Pediatrics** 1987 Mar; 79(3):432–4

[Acute intestinal invagination in the infant. Diagnostic and therapeutic problems] Lamesch AJ. **Bull Soc Sci Med Grand Duche Luxemb** 1987;124 Spec No:123–30 **(Fre)**

[Reduction of acute intussusception in infants under ultrasonic control (letter)] Weil D, et al. **Presse Med** 1986 Sep 20;15(30):1423 **(Fre)**

[Therapy of invagination ileus in early childhood] Kupatz B, et al. **Kinderarztl Prax** 1987 Mar;55(3):123–32 (Eng. Abstr.) **(Ger)**

[Comparative evaluation of conservative and operative methods in the treatment of intestinal invagination in children] Berezhnoi VI, et al. **Klin Khir** 1987;(6):73–4 **(Rus)**

[Intestinal invagination: a childhood pathology amenable to conservative treatment] Barrio Gómez de Agüero MI, et al. **An Esp Pediatr** 1987 Jan;26(1):30–2 (Eng. Abstr.) **(Spa)**

VETERINARY

Small colon intussusception in a mare managed with a diverting colostomy. Bailey GD, et al. **Aust Vet J** 1987 Apr;64(4):114–5

Surgical management of intussusception in the horse. Edwards GB. **Equine Vet J** 1986 Jul;18(4):313–21

Ileocecocolic intussusception as a sequel to jejunocecostomy in a mare. Schumacher J, et al. **J Am Vet Med Assoc** 1987 Feb 1;190(3):303–4

INULIN

ANALOGS & DERIVATIVES

Demonstration of a transcellular vesicle pathway for biliary excretion of inulin in rat liver. Lorenzini I, et al. **Gastroenterology** 1986 Nov;91(5):1278–88

ANALYSIS

Enzymatic method for determination of inulin. Degenaar CP, et al. **Clin Chem** 1987 Jun;33(6):1070–1

DIAGNOSTIC USE

Use of inulin dilution to determine fetal swallowing [letter] Ross MG. **Am J Obstet Gynecol** 1987 Jun;156(6):1556–7

Dissociation between apparent volumes of distribution for inulin and sodium by salt adaptation in ducks. Gray DA, et al. **Pflugers Arch** 1987 Aug;409(4–5):422–6

METABOLISM

Effect of phenothiazines, disodium ethylenediaminetetraacetic acid and diethyl maleate on in vitro rat colonic transport of cefmetazole and inulin. Suzuka T, et al. **J Pharmacobiodyn** 1987 Feb;10(2):63–71

Comparison between the renal clearance of endogenous creatinine and inulin in the sheep. Farningham DA. **Res Vet Sci** 1986 Nov;41(3):410–1

PHARMACODYNAMICS

Insulin negatively regulates albumin mRNA at the transcriptional and post-transcriptional level in rat hepatoma cells. Straus DS, et al. **J Biol Chem** 1987 Feb 15;262(5):1955–60

Anti-complementary action of polymorphic "solubility forms" of particulate inulin. Cooper PD, et al. **Mol Immunol** 1986 Aug;23(8):895–901

INV ALLOTYPES see **IMMUNOGLOBULIN INV ALLOTYPES**

INVASIVENESS, NEOPLASM see **NEOPLASM INVASIVENESS**

INVENTORIES, HOSPITAL see under **MATERIALS MANAGEMENT, HOSPITAL**

INVERSION (GENETICS)

Observations on the distribution of the Anopheles gambiae complex in Tanzania. Mnzava AE, et al. **Acta Trop (Basel)** 1986 Sep;43(3):277–82

Paracentric inversions in man. A French collaborative study. Groupe de Cytogénéticiens Français. **Ann Genet (Paris)** 1986;29(3):169–76

Pericentric inversions in man. A French collaborative study. Groupe de Cytogénéticiens Français. **Ann Genet (Paris)** 1986;29(3):129–68 (19 ref.)

Acquired inversions in human leucocytes. Aurias A, et al. **Ann Genet (Paris)** 1986;29(3):203–6

Inversions in evolution of man and closely related species. Dutrillaux B, et al. **Ann Genet (Paris)** 1986;29(3):195–202 (19 ref.)

Theoretical study of inversions affecting human chromosomes. Dutrillaux B, et al. **Ann Genet (Paris)** 1986; 29(3):184–8

Six cases of partial duplication–deficiency 21 syndrome: 21(dupq22delp23) due to maternal pericentric inversion: inv(21)(p12;q22). A family study. Fraisse J, et al. **Ann Genet (Paris)** 1986;29(3):177–80

Meiotic behaviour of familial pericentric inversions of chromosomes 1 and 9. Guichaoua MR, et al. **Ann Genet (Paris)** 1986;29(3):207–14

Two Down syndrome patients with rec(21),dupq,inv(21)(p11;q2109) from a familial pericentric inversion. Léonard C, et al. **Ann Genet (Paris)** 1986; 29(3):181–3

Therapy-related acute nonlymphocytic leukemia with inversion of chromosome 16 and a sustained remission. Baglin TP, et al. **Cancer Genet Cytogenet** 1987 Jul; 27(1):167–9

Constitutional interstitial deletion of 11p11 and pericentric inversion of chromosome 9 in a patient with Wiedemann–Beckwith syndrome and hepatoblastoma. Haas OA, et al. **Cancer Genet Cytogenet** 1986 Oct; 23(2):95–104

Inversions of chromosome 12 in human malignancies. Larripa I, et al. **Cancer Genet Cytogenet** 1987 Sep;28(1):113–8

Nonrandom additional chromosome changes in acute nonlymphocytic leukemia with inv(16)(p13q22). Maseki N, et al. **Cancer Genet Cytogenet** 1987 Jun;26(2):309–15

Heritable fragile sites and cancer: fra(16)(q22) in lymphocytes of an acute nonlymphocytic leukemia patient with inv(16)(p13q22). Murata M, et al. **Cancer Genet Cytogenet** 1987 Mar;25(1):81–6

Inv(16) occurring in a case of acute biphenotypic leukemia lacking monocytic markers: multiple but short remissions [letter] Paietta E, et al. **Cancer Genet Cytogenet** 1987 Apr; 25(2):367–8

Inversion (16)(p13q22) in tumor cells of sigmoid colon. Shabtai F, et al. **Cancer Genet Cytogenet** 1987 Jul; 27(1):171–5

Karyotypic evolution in acute myelomonocytic leukemia with pericentric inversion of chromosome 16. Taniwaki M, et al. **Cancer Genet Cytogenet** 1987 Feb;24(2):257–62

The mechanism of chromosome 14 inversion in a human T cell lymphoma. Baer R, et al. **Cell** 1987 Jul 3;50(1):97–105

An inversion that disrupts the Antennapedia gene causes abnormal structure and localization of RNAs. Frischer LE, et al. **Cell** 1986 Dec 26;47(6):1017–23

A large inverted duplication allows homologous recombination between chromosomes heterozygous for the proximal t complex inversion. Herrmann BG, et al. **Cell** 1987 Mar 13;48(5):813–25

Extrachromosomal DNA substrates in pre-B cells undergo inversion or deletion at immunoglobulin V-(D)-J joining signals. Hesse JE, et al. **Cell** 1987 Jun 19;49(6):775–83

Heterosynapsis and suppression of chiasmata within heterozygous pericentric inversions of the Sitka deer mouse. Hale DW. **Chromosoma** 1986;94(6):425–32

Trisomy of the short arm of chromosome 5: autopsy data in a malformed newborn with inv dup (5) (p13.1——p15.3). Kleczkowska A, et al. **Clin Genet** 1987 Jul;32(1):49–56

Segregation analysis of balanced pericentric inversions in pedigree data. Sherman SL, et al. **Clin Genet** 1986 Aug; 30(2):87–94

Comments on methods and results in: Sherman et al., "Segregation analysis of balanced pericentric inversions in pedigree data". Stene J. **Clin Genet** 1986 Aug;30(2):95–107

Electron microscopic investigations of synaptonemal complexes in an infertile human male carrier of a pericentric inversion inv(1)(p32q42). Regular loop formation but defective synapsis including a possible interchromosomal effect. Batanian J, et al. **Hum Genet** 1987 May;76(1):81–9

Inverted Y chromosome polymorphism in the Gujerati Muslim Indian population of South Africa. Bernstein R, et al. **Hum Genet** 1986 Nov;74(3):223–9

Partial trisomy 20p resulting from a recombination of a familial pericentric inversion. Bown N, et al. **Hum Genet** 1986 Dec;74(4):417–9

A new case of familial paracentric inversion of chromosome 2. Donti E, et al. **Hum Genet** 1987 Feb;75(2):195

Pericentric inversions in man: personal experience and review of the literature. Kleczkowska A, et al. **Hum Genet** 1987 Apr;75(4):333–8

Paracentric inversion in a female with multiple miscarriages (7inv)(q2.13;q3.13). Lamberti L, et al. **Hum Genet** 1987 Apr;75(4):391

Familial paracentric inversions inv(2)(q31q35) and inv(8)(q22.3q24.13) ascertained through reproductive abnormalities. Lin CC, et al. **Hum Genet** 1987 Jan; 75(1):84–7

Homozygous paracentric inversion 12 in a mentally retarded boy: a case report and review of the literature. Price HA, et al. **Hum Genet** 1987 Feb;75(2):101–8 (73 ref.)

Paracentric inversions in human chromosome 7. Schmid M, et al. **Hum Genet** 1986 Oct;74(2):197–9

Prenatal diagnosis of a 46,XX,inv(12)pat/47,XX,i(Xq),inv(12)pat. Varela M, et al. **Hum Genet** 1987 Jan;75(1):93–4

On the significance of pericentric inversions of chromosome 2 [letter] Wahlström J, et al. **Hum Genet** 1986 Nov; 74(3):328–9

Metastable regulation of type 1 piliation in Escherichia coli and isolation and characterization of a phenotypically stable mutant. Spears PA, et al. **J Bacteriol** 1986 Oct; 168(1):179–85

Purification and properties of the Escherichia coli host factor required for inversion of the G segment in bacteriophage Mu. Koch C, et al. **J Biol Chem** 1986 Nov 25; 261(33):15673–8

Purification and properties of the DNA invertase gin encoded by bacteriophage Mu. Mertens G, et al. **J Biol Chem** 1986 Nov 25;261(33):15668–72

Pericentric inversions of the X chromosome. A new observation and review of the published cases. Pfeiffer RA, et al. **J Genet Hum** 1986 Aug;34(3–4):331–7

A pericentric inversion in an X chromosome in the cow. Switoński M. **J Hered** 1987 Jan–Feb;78(1):58–9

Pericentric inversion in human chromosome 1 and the risk for male sterility. Chandley AC, et al. **J Med Genet** 1987 Jun;24(6):325–34

De novo inv(5)(p15q22), del(5)(p15) in a boy with cri du chat syndrome. Rivera H, et al. **J Med Genet** 1987 Mar; 24(3):186

Inverted insertion (9)(q34.3q22.3q21.2) and its recombination product: duplication 9q21.2q22.3 . Kajii T, et al. **Jinrui Idengaku Zasshi** 1987 Mar;32(1):45–50

DNA inversion mediated by the r-determinant of plasmid NR1: evidence for the intramolecular replicative transposition of a 23 kb IS1-flanked transposon? Iida S, et al. **MGG** 1986 Dec;205(3):572–4

A naturally occurring large chromosomal inversion in Escherichia coli K12. Xia XM, et al. **MGG** 1986 Nov; 205(2):376–9

Inverted duplication of chromosome 15: inv dup (15). Enzenauer RW, et al. **Milit Med** 1986 Aug;151(8):440–1

Inversion of chromosome 16 with abnormal marrow eosinophils in acute myelomonocytic leukemia: a case report of a 9-month-old infant. Ohga S, et al. **Nippon Ketsueki Gakkai Zasshi** 1987 Feb;50(1):114–8

Shufflon: multi-inversion of four contiguous DNA segments of plasmid R64 creates seven different open reading frames. Komano T, et al. **Nucleic Acids Res** 1987 Feb 11; 15(3):1165–72

Antenatal diagnosis of a de novo paracentric inversion of chromosome 11. Grass FS, et al. **Prenat Diagn** 1987;7(1):1–5

Effect of gamma rays at the dihydrofolate reductase locus: deletions and inversions. Urlaub G, et al. **Somatic Cell Mol Genet** 1986 Nov;12(6):555–66

Inversion of chromosome 16 in acute myelomonocytic

leukemia with abnormal eosinophils. Tien HF, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 May;86(5):484–9

Following movements of resistant populations of Simulium soubrense/sanctipauli (Diptera: Simuliidae) by means of chromosome inversions. Meredith SE, et al. **Trop Med Parasitol** 1986 Sep;37(3):290–4

[Cytogenetic changes in 48 cases of schizophrenia] Hong ML. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1986 Jun; 19(3):188–91 (Eng. Abstr.) **(Chi)**

[Acute myelomonocytic leukemia with bone marrow hypereosinophilia and chromosome 16 inversion. Primary or secondary chromosomal abnormalities? [letter]] Jonveaux P, et al. **Presse Med** 1986 Nov 15;15(40):2022 **(Fre)**

[A case of pericentric inversion of chromosome 5 in a subject with papillary carcinoma of the thyroid and primary amenorrhea] Ponzio G, et al. **Minerva Endocrinol** 1986 Oct–Dec;11(4):261–5 (Eng. Abstr.) **(Ita)**

[A childhood case of acute myelomonocytic leukemia with bone marrow eosinophilia associated with pericentric inversion 16] Ishimoto K, et al. **Rinsho Ketsueki** 1986 Aug; 27(8):1388–93 (Eng. Abstr.) **(Jpn)**

[Chemical reactions in double-stranded nucleic acids. III. Synthesis of terminal inverted repeats of the IS1 element] Shabarova ZA, et al. **Bioorg Khim** 1987 May;13(5):628–42 (Eng. Abstr.) **(Rus)**

[Inversion of the metE–oriC–rpsE chromosome segment in Escherichia coli K12] Kulakauskas ST, et al. **Genetika** 1986 Nov;22(11):2649–57 (Eng. Abstr.) **(Rus)**

[Chromosome inversions] Volna J, et al. **Bratisl Lek Listy** 1987 Jan;87(1):37–50 (Eng. Abstr.) **(Slo)**

[Prune belly syndrome with associated anomalies and chromosome changes (20 p+)] Picardo López C, et al. **An Esp Pediatr** 1987 Apr;26(4):291–4 (Eng. Abstr.) **(Spa)**

[Pericentric inversion of chromosome 7 associated with 45,X Turner syndrome] Carnevale A, et al. **Rev Invest Clin** 1986 Oct–Dec;38(4):425–8 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Radiation induced inversions in human somatic cells. Dutrillaux B, et al. **Ann Genet (Paris)** 1986;29(3):189–94

INVERTEBRATE HORMONES

The molecular structure of insecticyanin from the tobacco hornworm Manduca sexta L. at 2.6 A resolution. Holden HM, et al. **EMBO J** 1987 Jun;6(6):1565–70

Preliminary characterization of crystals of the protein insecticyanin from the tobacco hornworm Manduca sexta L. Petratos K, et al. **J Mol Biol** 1986 Jun 20;189(4):727

Protein structure. One fold among many [news] Sawyer L. **Nature** 1987 Jun 25–Jul 1;327(6124):659

ANALYSIS

Analytical studies on the active constituents in crude drugs. III. High-speed liquid chromatographic determination of ecdysterone and inokosterone in Achyranthis radix. Ogawa S, et al. **Chem Pharm Bull (Tokyo)** 1977 May;25(5):904–8

Primary structure of an analog of crustacean pigment-dispersing hormone from the lubber grasshopper Romalea microptera. Rao KR, et al. **J Biol Chem** 1987 Feb 25;262(6):2672–5

Echinococcus granulosus: occurrence of ecdysteroids in protoscoleces and hydatid cyst fluid. Mercer JG, et al. **Mol Biochem Parasitol** 1987 Jun;24(2):203–14

Multiple forms of cerebral peptides with steroidogenic functions in pupal and adult brains of the yellow fever mosquito, Aedes aegypti. Whisenton LR, et al. **Mol Cell Endocrinol** 1987 Mar;50(1–2):3–14

BIOSYNTHESIS

Calcium and protein kinase C inhibit biosynthesis of Aplysia egg-laying hormone. Berry RW. **Brain Res** 1986 Nov; 387(2):185–7

The ecdysoneless (ecd1ts) mutation disrupts ecdysteroid synthesis autonomously in the ring gland of Drosophila melanogaster. Henrich VC, et al. **Dev Biol** 1987 Mar; 120(1):50–5

Evidence of ecdysteroid production by tick (Acari: Ixodidae) fat-body tissues in vitro. Schriefer ME, et al. **J Med Entomol** 1987 May;24(3):295–302

Demonstration of protein kinase C activity in crustacean Y-organs, and partial definition of its role in regulation of ecdysteroidogenesis. Mattson MP, et al. **Mol Cell Endocrinol** 1987 Feb;49(2–3):159–71

CHEMICAL SYNTHESIS

Position 3 analogues of a crustacean pigment-dispersing hormone: synthesis and biological activity. Jorenby WH, et al. **Biochem Biophys Res Commun** 1987 Mar 13; 143(2):652–7

GENETICS

Genes encoding molluscan gonadotropic hormones. Jackson JF, et al. **Biochem Soc Symp** 1986;52:83–90

Sequences of two genomic fragments containing an identical coding region for a putative egg-shell precursor protein of Schistosoma mansoni. Kunz W, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5894

ISOLATION & PURIFICATION

Purification of an antibody-like protein from the sea star Asterias rubens (L.). Delmotte F, et al. **Eur J Immunol** 1986 Nov;16(11):1325–30

Purification and amino acid composition of a peptide with molt-inhibiting activity from the lobster, Homarus americanus. Chang ES, et al. **Gen Comp Endocrinol** 1987 Jan;65(1):56–64

Isolation and characterization of antistasin. An inhibitor of metastasis and coagulation. Tuszynski GP, et al. **J Biol Chem** 1987 Jul 15;262(20):9718–23

Capillary gas chromatography–mass spectrometry of ecdysteroids. Evershed RP, et al. **J Chromatogr** 1987 Mar 25;390(2):357–69

A common precursor to two major crab neurosecretory peptides. Stuenkel EL. **Peptides** 1986 May–Jun; 7(3):397–406

METABOLISM

Demonstration of substances immunologically related to the identified arthropod neuropeptides AKH/RPCH in the CNS of several invertebrate species. Schooneveld H, et al. **Brain Res** 1987 Mar 17;406(1–2):224–32

Ecdysteroid titers during the molt cycle of Orchestia cavimana (Crustacea, Amphipoda). Graf F, et al. **Gen Comp Endocrinol** 1987 Jan;65(1):23–33

Ecdysteroid levels during embryogenesis in the shrimp, Palaemon serratus (Crustacea Decapoda): quantitative and qualitative changes. Spindler KD, et al. **Gen Comp Endocrinol** 1987 Apr;66(1):116–22

Ecdysteroid levels during the larval development of the spider crab Hyas araneus. Spindler KD, et al. **Gen Comp Endocrinol** 1986 Oct;64(1):122–8

Development of the prepupal Verson's gland of the tobacco hornworm, Manduca sexta, and its hormonal control. Lane S, et al. **J Exp Zool** 1986 Oct;240(1):83–94

Proteolytic processing of the Aplysia egg-laying hormone and R3–14 neuropeptide precursors. Newcomb R, et al. **J Neurosci** 1987 Mar;7(3):854–63

Coexistence of egg-laying hormone and alpha-bag cell peptide in bag cell neurons of Aplysia indicates that they are a peptidergic multitransmitter system. Pulst SM, et al. **Neurosci Lett** 1986 Sep 25;70(1):40–5

PHARMACODYNAMICS

The clam embryo protein cyclin A induces entry into M phase and the resumption of meiosis in Xenopus oocytes. Swenson KI, et al. **Cell** 1986 Dec 26;47(6):861–70

Interleukin inhibition by a parasite proteinase inhibitor, taeniaestatin. Leid RW, et al. **J Immunol** 1986 Oct 15; 137(8):2700–2

Inhibition of equine neutrophil chemotaxis and chemokinesis by a Taenia taeniaeformis proteinase inhibitor, taeniaestatin. Leid RW, et al. **Parasite Immunol** 1987 Mar;9(2):195–204

PHYSIOLOGY

Role of ecdysone and eyestalk factors in regulating regeneration in larval crustaceans. McConaugha JR, et al. **Gen Comp Endocrinol** 1987 Jun;66(3):387–93

Regulation of ecdysone biosynthesis in the tobacco hornworm, Manduca sexta: titre of the haemolymph stimulatory factor during the last larval instar. Watson RD, et al. **J Exp Biol** 1987 Mar;128:159–73

Augmentation of bursting pacemaker activity by egg-laying hormone in Aplysia neuron R15 is mediated by a cyclic AMP-dependent increase in Ca2+ and K+ currents. Levitan ES, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(17):6307–11

INVERTEBRATES

Toxicity of five shale oils to fish and aquatic invertebrates. Woodward DF, et al. **Arch Environ Contam Toxicol** 1987 Mar;16(2):239–46

Benthic invertebrates as indicators of urban and motorway discharges. Davis JB, et al. **Sci Total Environ** 1987 Jan; 59:291–302

ANATOMY & HISTOLOGY

The blood–brain interface in invertebrates. Abbott NJ, et al. **Ann NY Acad Sci** 1986;481:20–42

Invertebrate spermatozoa—structure and spermatogenesis. Hodgson AN. **Arch Androl** 1986;17(2):105–14 (17 ref.)

The lack of a structured blood–brain barrier in the onychophoran Peripatus acacioi. Lane NJ, et al. **J Neurocytol** 1987 Feb;16(1):93–104

EMBRYOLOGY

16th annual UCLA symposium. Abstracts: Molecular biology of invertebrate development. **J Cell Biochem [Suppl]** 1987; 11C:1–31

ENZYMOLOGY

Invertebrate red blood cell carbonic anhydrase. Henry RP. **J Exp Zool** 1987 Apr;242(1):113–6

GENETICS

The hemoglobin of Urechis caupo. The cDNA-derived amino acid sequence. Garey JR, et al. **J Biol Chem** 1986 Dec 15;261(35):16446–50

IMMUNOLOGY

Molecular aspects of invertebrate immunology. ISDCI-Conference 1986. 28th–30th September 1986, Berlin (West). Program and abstracts. **Dev Comp Immunol** 1986 Fall;10(4):611–50

[Host defense mechanisms of invertebrates from the phylogenetic viewpoint] Wago H. **Tanpakushitsu Kakusan Koso** 1986 Jul;31(9 Suppl):886–903 **(Jpn)**

METABOLISM

Expression of a cholecystokinin precursor-related peptide in vertebrate and invertebrate tissues. Schneider BS, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):E707–14

Demonstration of substances immunologically related to the identified arthropod neuropeptides AKH/RPCH in the CNS of several invertebrate species. Schooneveld H, et al. **Brain Res** 1987 Mar 17;406(1–2):224–32

Distribution of selenium in marine animals: relationship to diet. Maher WA. **Comp Biochem Physiol [C]** 1987; 86(1):131–3

Immunological localization of the GTP-binding protein Go in different tissues of vertebrates and invertebrates. Homburger V, et al. **Mol Pharmacol** 1987 Apr;31(4):313–9

Comparative neurobiology of opioids in invertebrates with special attention to senescent alterations. Leung MK, et al. **Prog Neurobiol** 1987;28(2):131–59 (225 ref.)

[Nickel: elements in the aquatic environment. I. Biotic and abiotic systems] Atri FR. **Schriftenr Ver Wasser Boden Lufthyg** 1987;73:1–316 (300 ref.) **(Ger)**

PHYSIOLOGY

Comparative toxicity of methanol and N,N-dimethylformamide to freshwater fish and invertebrates. Poirier SH, et al. **Bull Environ Contam Toxicol** 1986 Oct;37(4):615–21

FMRFamide-like immunoreactivity and arylamidase activity in turbellarians and nemerteans—evidence for a novel neurovascular coordinating system in nemerteans. Jennings JB, et al. **Comp Biochem Physiol [C]** 1987;86(2):425–30

ULTRASTRUCTURE

Massive actin bundle couples macrocilia to muscles in the ctenophore Beroë. Tamm SL, et al. **Cell Motil Cytoskeleton** 1987;7(2):116–28

INVESTMENTS

Your accounts. The case for unit trusts. Hepburn PF. **Br J Hosp Med** 1986 Oct;36(4):297–8

The propensity to save among the elderly. Stoller EP, et al. **Gerontologist** 1987 Jun;27(3):314–20

Questioning the adequacy of long-term care IRAs. Smallwood DE, et al. **Health Aff (Millwood)** 1987 Summer; 6(2):132–43

Fund helps hospitals to maximize investments. Traska MR. **Hospitals** 1986 Oct 20;60(20):52, 54

Employee stock ownership and employee attitudes: a test of three models. Klein KJ. **J Appl Psychol** 1987 May; 72(2):319–32

Tracking the stock market. Pearson WR. **MD Comput** 1984; 1(3):46–55, 68

LEGISLATION & JURISPRUDENCE

Legality of physician referral of patients to health care facilities owned by the referring physician. Register JM, et al. **J Fla Med Assoc** 1986 Sep;73(9):701–5

Investing after tax reform. Greene RL. **Mich Med** 1987 Feb; 86(2):51–4

TRENDS

Tax day ends first quarter bond interest rates. Traska MR. **Hospitals** 1987 May 20;61(10):30, 33

Lower ratings won't hinder "smart" bond buys.Traska MR. **Hospitals** 1987 Jun 20;61(12):FB50

Market rebound triples first-half '86 bond volume. Traska MR. **Hospitals** 1986 Nov 20;60(22):56–7

INVOLUNTARY COMMITMENT see **COMMITMENT OF MENTALLY ILL**

IOCETAMIC ACID see under **IODOBENZENES**

IODAMIDE see under **IODOBENZOATES**

IODAMOEBIASIS see **AMEBIASIS**

IODATES see under **IODINE**

IODIDE PEROXIDASE

ANALYSIS

Stimulation of liver iodothyronine monodeiodinases is not direct action of TSH. Wu SY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Oct;85(10):941–6

[Immunohistochemical and electron microscopic study of thyroid peroxidase in endemic goiter] He HL. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Dec;15(4):267–70 (Eng. Abstr.) **(Chi)**

ANTAGONISTS & INHIBITORS

The effect of free radicals on hepatic 5'-monodeiodination of thyroxine and 3,3',5'-triiodothyronine. Huang TS, et al. **Endocrinology** 1987 Aug;121(2):498–503

Comparison of kidney and brown adipose tissue iodothyronine 5'-deiodinases. Silva JE, et al. **Endocrinology** 1987 Aug;121(2):650–6

BIOSYNTHESIS

Stimulation of thyroidal iodothyronine 5'-monodeiodinase by long-acting thyroid stimulator (LATS). Wu SY, et al. **Acta Endocrinol (Copenh)** 1987 Feb;114(2):193–200

DEFICIENCY

Evolution of hypothyroidism in familial goitre due to deiodinase deficiency: report of a family and review of the literature. Hirsch HJ, et al. **Postgrad Med J** 1986 Jun; 62(728):477–80

GENETICS

Complete nucleotide sequence of the human thyroperoxidase-microsomal antigen cDNA. Libert F, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6735

Human thyroid peroxidase: complete cDNA and protein sequence, chromosome mapping, and identification of two alternately spliced mRNAs. Kimura S, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5555–9

IMMUNOLOGY

Thyroid peroxidase is the organ-specific 'microsomal' autoantigen involved in thyroid autoimmunity. Ruf J, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:49–56

Autoantibodies to thyroid peroxidase in patients with chronic thyroiditis: effect of antibody binding on enzyme activities. Kohno Y, et al. **Clin Exp Immunol** 1986 Sep;65(3):534–41

Immunoglobulin G subclasses of anti-thyroid peroxidase autoantibodies in human autoimmune thyroid diseases. Kotani T, et al. **Endocrinol Jpn** 1986 Aug;33(4):505–10

ISOLATION & PURIFICATION

Purification of human thyroid peroxidase using ion exchange liquid chromatography. Gustafsson J, et al. **J Clin Lab Immunol** 1987 Jun;23(2):57–61

METABOLISM

Cellular localization of the microsomal antigen and the thyroid peroxidase antigen. Pinchera A, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:57–62

Hormonal regulation of iodothyronine 5'-deiodinase in rat brown adipose tissue. Silva JE, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):E639–43

Cold-induced increase in brown fat thyroxine 5'-monodeiodinase is attenuated in Zucker obese rat. Wu SY, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):E63–7

Thyroid toxicity and iodothyronine deiodination. Jones CA, et al. **Arch Toxicol [Suppl]** 1987;11:250–2

Insulin stimulation of iodothyronine 5'-deiodinase in rat brown adipocytes. Mills I, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):81–6

NADPH-dependent generation of a cytosolic dithiol which activates hepatic iodothyronine 5'-deiodinase. Demonstration by alkylation with iodoacetamide. Das AK, et al. **Biochem J** 1986 Dec 1;240(2):559–66

Intermediate Mr cytosolic components potentiate hepatic 5'-deiodinase activation by thiols. Sawada K, et al. **Biochem J** 1986 Sep 15;238(3):787–91

Iodothyronine 5'-deiodinase activity in rat brown adipose tissue during development. Iglesias R, et al. **Biochim Biophys Acta** 1987 Feb 20;923(2):233–40

Requirement of gene transcription and protein synthesis for cold- and norepinephrine-induced stimulation of thyroxine deiodinase in rat brown adipose tissue. Jones R, et al. **Biochim Biophys Acta** 1986 Dec 19;889(3):366–73

Avian hepatic T3 generation by 5'-monodeiodination: characterization of two enzymatic pathways and the effects of goitrogens. McNabb FM, et al. **Comp Biochem Physiol [A]** 1986;85(2):249–55

The role of glucocorticoids in the stress-induced reduction of extrathyroidal 3,5,3'-triiodothyronine generation in rats. Bianco AC, et al. **Endocrinology** 1987 Mar;120(3):1033–8

The ontogeny of the enzyme systems for the 5'- and 5-deiodination of thyroid hormones in chick embryo liver. Galton VA, et al. **Endocrinology** 1987 Jun;120(6):2604–10

Hepatic iodothyronine 5-deiodinase activity in Rana catesbeiana tadpoles at different stages of the life cycle. Galton VA, et al. **Endocrinology** 1987 Jul;121(1):42–7

The role of 3,3',5'-triiodothyronine in the regulation of type II iodothyronine 5'-deiodinase in the rat cerebral cortex. Obregon MJ, et al. **Endocrinology** 1986 Nov;119(5):2186–92

Catecholamine stimulation of iodothyronine 5'-deiodinase activity in rat dispersed brown adipocytes. Obregon MJ, et al. **Endocrinology** 1987 Mar;120(3):1069–72

Rhythmicity of triiodothyronine generation by type II thyroxine 5'-deiodinase in rat pineal is mediated by a beta-adrenergic mechanism. Tanaka K, et al. **Endocrinology** 1987 Jul;121(1):74–7

Decrease of rat-liver-T4-5'-deiodinase activity during chronical isoprenaline beta-action in vivo. Porta S, et al. **Exp Pathol** 1987;31(3):179–83

Comparison of type I 5'-deiodination of thyroxine and of reverse-triiodothyronine in rat and chicken liver homogenates. Rudas P. **Gen Comp Endocrinol** 1986 Sep; 63(3):400–7

Acute changes of the conversion of thyroxine to triiodothyronine in hypophysectomized and thyroidectomized chickens exposed to mild cold (10 degrees). Rudas P, et al. **Gen Comp Endocrinol** 1986 Sep; 63(3):408–13

Thyroxine 5'-monodeiodinase activity in hepatocytes of rainbow trout, Salmo gairdneri: distribution, effects of starvation, and exogenous inhibitors. Shields CA, et al. **Gen Comp Endocrinol** 1986 Sep;63(3):334–43

Growth hormone stimulates the peripheral conversion of thyroxine into triiodothyronine by increasing the liver 5'-monodeiodinase activity in the fasted and normal fed chicken. Kühn ER, et al. **Horm Metab Res** 1987 Jul; 19(7):304–8

Characterization of one- and two-electron oxidations of glutathione coupled with lactoperoxidase and thyroid peroxidase reactions. Nakamura M, et al. **J Biol Chem** 1986 Oct 25;261(30):13923–7

In-vitro conversion of thyroxine to tri-iodothyronine by chicken hepatic 5'-deiodinase: kinetic studies. Lam SK, et al. **J Endocrinol** 1986 Sep;110(3):441–6

Iodothyronine 5'-deiodination in rats fed low protein diets: lack of correlation with energy balance. Hillgartner FB, et al. **J Nutr** 1987 Feb;117(2):368–75

Characterization of type-II thyroxine 5'-deiodinase activity in rat Harderian gland. Guerrero JM, et al. **Life Sci** 1987 Aug 31;41(9):1179–85

Serum concentrations of thyroid hormones and extrathyroidal thyroxine-5'-monodeiodinase activity during lactation in the rat. Kahl S, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):144–50

[Amiodarone does not inhibit pituitary 5'-deiodinase activity in hypothyroid rats] Valenzuela M de los A, et al. **Rev Med Chil** 1987 Feb;115(2):103–7 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Macromolecular binding of the thyroid carcinogen 3-amino-1,2,4-triazole (amitrole) catalyzed by prostaglandin H synthase, lactoperoxidase and thyroid peroxidase. Krauss RS, et al. **Carcinogenesis** 1987 May; 8(5):659–64

IODIDES

ADVERSE EFFECTS

"Iodide mumps" following parotid sialography. Case reports. Katz J, et al. **J Oral Med** 1986 Jul-Sep;41(3):149–51

[Tuberous iododerma due to solutan] Raznatovskiĭ IM, et al. **Vestn Dermatol Venerol** 1986;(10):71–3 (Eng. Abstr.) **(Rus)**

ANALYSIS

Determination of iodide and thiosulfate by paired-ion, reversed-phase high-performance liquid chromatography with ultraviolet absorbance, electrochemical, and conductimetric detection. Lookabaugh M, et al. **J Chromatogr** 1987 Jan 30;387:301–12

Radiolytic breakdown of sodium iodide (131I) in sodium iodide (131I) capsules. Bonnyman J, et al. **Nucl Med Commun** 1986 Nov;7(11):839–43

ANTAGONISTS & INHIBITORS

[Effect of alpha-tocopherol on the development of experimental toxic tabetoretinal dystrophy] Kryzhanovskiĭ GN, et al. **Oftalmol Zh** 1986;(6):366–8 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Acrylamide and iodide fluorescence quenching as a structural probe of tryptophan microenvironment in bovine lens crystallins. Phillips SR, et al. **Curr Eye Res** 1986 Aug; 5(8):611–9

HISTORY

"When it rains it pours": endemic goiter, iodized salt, and David Murray Cowie, MD. Markel H. **Am J Public Health** 1987 Feb;77(2):219–29

METABOLISM

Peripheral metabolism of thyroid hormones and iodide in healthy and hyperthyroid cats. Broome MR, et al. **Am J Vet Res** 1987 Aug;48(8):1286–9

Role of pertussis toxin sensitive G proteins in the alpha 1 adrenergic receptor but not in the thyrotropin receptor mediated activation of membrane phospholipases and iodide fluxes in FRTL-5 thyroid cells. Corda D, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1000–6

Irreversible inactivation of lactoperoxidase in the course of iodide oxidation. Jenzer H, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):552–8

BAY-K-8644, a calcium channel agonist, induces a rise in cytoplasmic free calcium and iodide discharge in thyroid cells. Takasu N, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):1107–11

Assessment of the biopotency of anti-thyroid drugs using porcine thyroid cells. Reader SC, et al. **Biochem Pharmacol** 1987 Jun 1;36(11):1825–8

The nature of thyrotropin stimulation of thyroid function in Japanese quail: prolonged thyrotropin exposure is necessary to increase thyroidal 125I uptake. McNabb FM, et al. **Comp Biochem Physiol [A]** 1986;85(3):459–63

Regulation of differentiated thyroid function by iodide: preferential inhibitory effect of excess iodide on thyroid hormone secretion in sheep thyroid cell cultures. Becks GP, et al. **Endocrinology** 1987 Jun;120(6):2569–75

Norepinephrine and thyrotropin stimulation of iodide efflux in FRTL-5 thyroid cells involves metabolites of arachidonic acid and is associated with the iodination of thyroglobulin. Marcocci C, et al. **Endocrinology** 1987 Mar; 120(3):1127–33

Autoregulation of iodide transport in the rabbit: absence of autoregulation in fetal tissue and comparison of maternal and fetal thyroid iodination products. Price DJ, et al. **Endocrinology** 1986 Dec;119(6):2547–52

Autoregulation of thyroid iodide transport: evidence for the mediation of protein synthesis in iodide-induced suppression of iodide transport. Sherwin JR, et al. **Endocrinology** 1986 Dec;119(6):2553–9

Mechanistic aspects of ingested chlorine dioxide on thyroid function: impact of oxidants on iodide metabolism. Bercz JP, et al. **Environ Health Perspect** 1986 Nov;69:249–54

Complete iodide trapping defect in two cases with congenital hypothyroidism: adaptation of thyroid to huge iodide supplementation. Leger FA, et al. **Eur J Clin Invest** 1987 Jun;17(3):249–55

Recombinant gamma-interferon stimulates iodide uptake and cyclic AMP production by the FTRL5 thyroid cell line. Weetman AP. **FEBS Lett** 1987 Aug 31;221(1):91–4

Proton nuclear magnetic resonance studies on the iodide binding by horseradish peroxidase. Sakurada J, et al. **J Biol Chem** 1987 Mar 25;262(9):4007–10

Differential modulation by Ca2+ of iodide transport processes in a cultured rat thyroid cell strain. Bidey SP, et al. **J Endocrinol** 1987 Jan;112(1):51–6

Effects of 4,4'-di-isothiocyano-2,2'-stilbene disulphonate on iodide uptake by primary cultures of turtle thyroid follicular cells. Chow SY, et al. **J Endocrinol** 1987 Jun; 113(3):403–12

Role of sodium influx in thyrotrophin action: effects of the sodium channel agonist veratridine and thyrotrophin on radioiodine turnover and membrane potential in cultured porcine thyroid cells. Manley SW, et al. **J Endocrinol** 1986 Sep;110(3):459–66

Iodination of nutrients in the presence of chlorine based disinfectants used in drinking water treatment. Bercz JP, et al. **Toxicol Lett** 1986 Dec;34(2-3):141–7

PHARMACODYNAMICS

Effect of iodine intake and methimazole on lymphocytic thyroiditis in the BB/W rat. Braverman LE, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:70–6

Artifact associated with the use of strong iodine solution (Lugol's) in cone biopsies. Benda JA, et al. **Am J Surg Pathol** 1987 May;11(5):367–74

A growth stimulatory effect of iodide is suggested by its effects on c-myc messenger ribonucleic acid levels, [3H]thymidine incorporation, and mitotic activity of porcine follicle cells in suspension culture. Heldin NE, et al. **Endocrinology** 1987 Aug;121(2):757–64

Relationship of dietary iodide and drinking water disinfectants to thyroid function in experimental animals. Revis NW, et al. **Environ Health Perspect** 1986 Nov; 69:243–8

Involution of hyperplastic goitre in the adult male rat. Tissue compartment process with early iodide effect: a stereological and biochemical study. Rognoni JB, et al. **Virchows Arch [B]** 1987;53(3):166–75

SECRETION

Sodium, chloride and bicarbonate dependence of iodide secretion in rat mid-small intestine. Aguirrezabal AV, et al. **Rev Esp Fisiol** 1987 Mar;43(1):123–4

THERAPEUTIC USE

Endoscopic sclerotherapy for oesophageal varices. Current status in Nigeria. Arigbabu AO, et al. **Trop Doct** 1987 Jul; 17(3):111–3

[Treatment of goiter with thyroid hormones or iodine?] Gärtner R. **Dtsch Med Wochenschr** 1987 Jun 19; 112(25):987–9 (20 ref.) **(Ger)**

TOXICITY

Thyrotoxic effect of high iodine doses on xenotransplanted autoimmune thyroid tissue in athymic nude mice. Schumm-Draeger PM, et al.
Acta Endocrinol [Suppl] (Copenh) 1987;281:118-21

The injurious effect of eosinophil peroxidase, hydrogen peroxide, and halides on pneumocytes in vitro. Agosti JM, et al. **J Allergy Clin Immunol** 1987 Mar;79(3):496-504

URINE

Measurement of iodide in urine using the iodide-selective ion electrode. Yabu Y, et al. **Endocrinol Jpn** 1986 Dec; 33(6):905-11

IODINASE see **IODIDE PEROXIDASE**

IODINATED HYDROCARBONS see **HYDROCARBONS, IODINATED**

IODINE

A flow-calorimetric study of the binding of iodine to amylodextrin fractions. Ohnishi M, et al. **Carbohydr Res** 1987 Apr 1;161(2):257-63

The use of iodine staining for the quantitative analysis of lipids separated by thin layer chromatography. Palumbo G, et al. **Lipids** 1987 Mar;22(3):201-5

Iodinated derivatives of the vasoactive intestinal polypeptide (VIP) are agonists at the cat pancreas and the rat submandibular salivary gland. Hallden G, et al.
Regul Pept 1986 Dec 22;16(2):183-8

[Local iodine-novocaine block in the treatment of interspinal ligamentoses] Selivanov VP. **Khirurgiia (Mosk)** 1986 Nov; (11):45-51 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Changing iodine intake and the effect on thyroid disease [editorial] Hall R, et al. **Br Med J [Clin Res]** 1987 Mar 21;294(6574):721-2

Iodine intake and excretion in two British towns: aspects of questionnaire validation. Nelson M, et al.
Hum Nutr Appl Nutr 1987 Jun;41(3):187-92

Insufficiency of goiter prophylaxis by means of the iodinated salt actually available and under a voluntary basis [letter] Costa A, et al. **J Endocrinol Invest** 1986 Dec;9(6):529

[Study on thyroids, cerebral cortices and bones of therapeutically aborted fetuses from endemic goiter regions after a 5-year supplement of iodized salt] Liu JL.
Chung-hua Ping Li Hsueh Tsa Chih 1986 Dec;15(4):271-3 (Eng. Abstr.) **(Chi)**

[Iodized salt consumption and sodium chloride metabolism] Weber P, et al. **Dtsch Med Wochenschr** 1986 Dec 12; 111(50):1916-21 (Eng. Abstr.) **(Ger)**

[Significance of iodized table salt on the iodine supply of adults and children] Weber P, et al.
Monatsschr Kinderheilkd 1987 Mar;135(3):137-42 (Eng. Abstr.) **(Ger)**

[Prevention of iodine deficiency in routine care at a public health office] Frick W. **Off Gesundheitswes** 1987 May; 49(5):264-5 (Eng. Abstr.) **(Ger)**

[Preventive use of iodine] Scriba PC, et al.
Verh Dtsch Ges Inn Med 1986;92:263-70 **(Ger)**

[Status of goiter prevention in East Germany from an interdisciplinary viewpoint] Bauch K, et al.
Z Gesamte Inn Med 1986 Oct 1;41(19):524-7 (Eng. Abstr.) **(Ger)**

[Weight of the thyroid gland in the Brandenburg district before introduction of iodized salt] Fischer D, et al.
Z Gesamte Inn Med 1987 Jun 15;42(12):325-8 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Remission rates with antithyroid drug therapy: continuing influence of iodine intake? Solomon BL, et al.
Ann Intern Med 1987 Oct;107(4):510-2

Transient congenital hypothyroidism after topical iodine in pregnancy and lactation. Danziger Y, et al.
Arch Dis Child 1987 Mar;62(3):295-6

Amiodarone: a common source of iodine-induced thyrotoxicosis. Martino E, et al. **Horm Res** 1987; 26(1-4):158-71

Anaphylactoid reactions to iodinated contrast media. Hildreth EA. **Hosp Pract [Off]** 1987 May 30;22(5A):77-85, 89-90, 95

Oral mouthwash and erythema multiforme. Tal H, et al.
J Oral Med 1986 Jul-Sep;41(3):147-8, 209

[The detrimental effect of iodine as an intra-uterine instillation in mares] van Dyk E, et al.
J S Afr Vet Assoc 1986 Dec;57(4):205-10 (Eng. Abstr.) **(Afr)**

[Iodine-induced thyrotoxicosis] Jensen IW. **Ugeskr Laeger** 1986 Nov 3;148(45):2901-3 (Eng. Abstr.) **(Dan)**

[Carbimazole administered alone can be effective in the treatment of hyperthyroidism induced by iodine (letter)] Codaccioni JL, et al. **Presse Med** 1987 Feb 21;16(6):312 **(Fre)**

[Iodine-induced hyperthyroid crises] Schulz F, et al.
Fortschr Med 1987 Jan 30;105(3):48-51 (Eng. Abstr.) **(Ger)**

[Iodine-induced hyperthyroidism] Bottermann P.
Med Klin 1986 Nov 11;81(23):753-7 **(Ger)**

[Iodine-induced T3 hyperthyroidism in metastatic follicular thyroid cancer] Ehrenheim C, et al. **Nuklearmedizin** 1986 Oct;25(5):201-4 (Eng. Abstr.) **(Ger)**

[Adverse effect of iodine contrast media] Komeda Y, et al.
Hinyokika Kiyo 1987 Feb;33(2):183-6 (Eng. Abstr.) **(Jpn)**

[Effect of water-soluble iodinated contrast media on red cell shape and blood viscosity] Asahi R.
Nippon Ika Daigaku Zasshi 1987 Apr;54(2):162-72 (Eng. Abstr.) **(Jpn)**

[Exacerbation of Duhring's herpetiform dermatitis in a nursing infant undergoing angina treatment with an iodine preparation] Gol'dshtein LM, et al.
Vestn Dermatol Venerol 1987;(4):60-1 (Eng. Abstr.) **(Rus)**

ANALYSIS

A preliminary investigation of endemic iodine goiter on the inclined plain in front of the Tianshan Mountains in Kuitun-Usum area. Wang LF, et al. **Chin Med J [Engl]** 1986 Aug;99(8):673-8

Serial thyroid content in hyperthyroid patients treated with radioiodine [letter] Jonckheer MH. **Clin Nucl Med** 1986 Sep;11(9):672

Serial thyroid iodine content in hyperthyroid patients treated with radioiodine. Lee GS, et al. **Clin Nucl Med** 1986 Feb; 11(2):115-8

Standardisation of methods for the estimation of thiocyanate and iodine in foodstuff. Basu SK, et al.
Indian J Physiol Pharmacol 1986 Jul-Sep;30(3):241-7

Titrimetric determination of iodine-bromine numbers of some edible oils using three N-chloroimides. Jayasree N, et al.
J Assoc Off Anal Chem 1987 Jul-Aug;70(4):762-3

Analysis of fluorine and iodine derivatives of tyrosine. Carne TJ, et al. **J Chromatogr** 1986 Oct 3;367(2):393-403

Iodine content of various meals currently consumed by urban Japanese. Katamine S, et al.
J Nutr Sci Vitaminol (Tokyo) 1986 Oct;32(5):487-95

[Determination of organic-iodine compounds with a gold-coated quartz piezoelectric crystal] Nie LH, et al.
Yao Hsueh Hsueh Pao 1986 Aug;21(8):605-12 (Eng. Abstr.) **(Chi)**

[A procedure for taking into account scattered radiation and scattered light in the densitometric determination of intravascular iodine content] Schüller H, et al. **ROFO** 1987 Aug;147(2):207-12 (Eng. Abstr.) **(Ger)**

[A method for determining iodine levels in the thyroid gland] Vasil'tsov MK, et al. **Arkh Anat Gistol Embriol** 1987 Apr; 92(4):102-4 **(Rus)**

[Program against endemic goiter in Extremadura. I. Iodine concentration in the public water supply] Gimeno Ortiz A, et al. **Rev Sanid Hig Publica (Madr)** 1986 Sep-Oct; 60(9-10):929-37 (Eng. Abstr.) **(Spa)**

BLOOD

Rapid method for the direct determination of inorganic iodine in plasma using ion-exchange chromatography and the Sandell and Kolthoff reaction. Aumont G, et al.
Analyst 1987 Jun;112(6):875-8

Effect of multiple intravenous injections of diatrizoate on iodine concentrations and osmolality. An experimental study in rabbits. Rubin DI, et al. **Invest Radiol** 1987 Mar; 22(3):223-6

Iodine absorption after topical administration. Dela Cruz F, et al. **West J Med** 1987 Jan;146(1):43-5

DEFICIENCY

Physiological aspects of the thyroid trapping function and its suppression in iodine deficiency using 99mTc pertechnetate. Bähre M, et al. **Acta Endocrinol (Copenh)** 1987 Jun;115(2):175-82

The role of iodine in carcinogenesis. Ward JM, et al.
Adv Exp Med Biol 1986;206:529-42

Regional variations of iodine nutrition and thyroid function during the neonatal period in Europe. Delange F, et al.
Biol Neonate 1986;49(6):322-30

Iodine deficiency and neonatal hypothyroidism. Kochupillai N, et al. **Bull WHO** 1986;64(4):547-51

Effects of maternal iodine deficiency on thyroid hormone economy of lactating dams and pups: maintenance of normal cerebral 3,5,3'-triiodo-L-thyronine concentrations in pups during major phases of brain development. Escobar del Rey F, et al. **Endocrinology** 1987 Aug;121(2):803-11

Adaptation of male and female rats to iodine deficiency. Bagchi N, et al. **Horm Metab Res** 1986 Dec;18(12):811-3

Iodine deficiency [letter] Kapil U. **Indian Pediatr** 1986 Aug; 23(8):655

Fetal brain development in response to iodine deficiency in a primate model (Callithrix jacchus jacchus). Mano MT, et al. **J Neurol Sci** 1987 Jul;79(3):287-300

Progress in the prevention and control of iodine-deficiency disorders. Hetzel BS. **Lancet** 1987 Aug 1;2(8553):266

Some aspects of iodine deficiency in Nepal. Achard T.
Trop Doct 1987 Jan;17(1):5-7

[A clinical survey of endemic cretinism in Jixian Village] Li JQ, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Aug; 25(8):479-82, 510-1 (Eng. Abstr.) **(Chi)**

[Prevention of iodine deficiency in routine care at a public health office] Frick W. **Off Gesundheitswes** 1987 May; 49(5):264-5 (Eng. Abstr.) **(Ger)**

[Thyroid function in persons with hyperplasia of the thyroid gland in the presence of iodine deficiency] Fabri ZI, et al. **Probl Endokrinol (Mosk)** 1987 Mar-Apr;33(2):33-6 (Eng. Abstr.) **(Rus)**

[Endemic goiter in school children of Salta Province, Argentina] Morón C, et al. **Arch Latinoam Nutr** 1985 Sep; 35(3):383-93 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

Erbium filtration in iodine contrast studies. Previtte RG Jr.
Radiol Technol 1982 Mar-Apr;53(5):399-405

Rapid infusion intravenous contrast-enhanced computed tomography in the diagnosis of intraspinal malignant schwannoma. Cazenave C, et al. **Spine** 1987 May; 12(4):416-8

[A new method of vital staining of the conduction system during open heart surgery--a clinical study] Ishii K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Oct; 34(10):1811-5 (Eng. Abstr.) **(Jpn)**

HISTORY

The history of the discovery of iodine and its many uses. Chapman EM. **Ala J Med Sci** 1987 Apr;24(2):216-9

METABOLISM

3,4-Dihydroxypyridine: a potential antithyroid drug. Hallengren B, et al. **Acta Endocrinol (Copenh)** 1987 Feb; 114(2):305-7

Iodine status in Scandinavia. Frey H.
Acta Pharmacol Toxicol (Copenh) 1986;59 Suppl 7:111-5

The electrogenic, Na+-dependent I- transport system in plasma membrane vesicles from thyroid glands. O'Neill B, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):263-74

The incorporation of dietary iodine into thyroglobulin increases its immunogenicity. Sundick RS, et al.
Endocrinology 1987 May;120(5):2078-84

Clinical usefulness of thyroid imaging by means of X-ray fluorescence. Jonckheer MH. **Horm Res** 1987;26(1-4):42-7 (11 ref.)

The iodination sites of bovine thyrotropin. Stanton PG, et al. **J Biol Chem** 1987 Feb 5;262(4):1623-32

Abnormal H2O2 supply in the thyroid of a patient with goiter and iodine organification defect. Niepomniszcze H, et al.
J Clin Endocrinol Metab 1987 Aug;65(2):344-8

Autonomy of growth and of iodine metabolism in hyperthyroid feline goiters transplanted onto nude mice. Peter HJ, et al. **J Clin Invest** 1987 Aug;80(2):491-8

Ionic mechanisms regulating thyroidal secretion: effects of ouabain and medium sodium concentration on radioiodine release from cultured porcine thyroid cells. Manley SW, et al. **J Endocrinol** 1987 Mar;112(3):399-405

Chronic subdural hematomas. Time-density curve and iodine concentration in enhanced CT. Karasawa H, et al.
Neuroradiology 1987;29(1):36-9

Nutritional modification of trace element metabolism. Kimura S, et al. **Sangyo Ika Daigaku Zasshi** 1987 Mar 20; 9 Suppl:73-83

Effect of glutaurine on the rat thyroid. Electron-microscopic morphological and autoradiographic analysis. Feuer L, et al. **Z Mikrosk Anat Forsch** 1986;100(5):699-710

[Effect of functional stimulators of the thyroid and excess iodine on xenotransplanted human tissue in patients with autoimmune thyroid diseases] Schumm-Draeger PM, et al.
Med Klin 1987 Jan 30;82(2):62-6 (Eng. Abstr.) **(Ger)**

[Thyroid hormonogenesis in experimental and human tumors] Monaco F. **Minerva Med** 1986 Nov 17;77(44):2031-3 **(Ita)**

[Study on iodine intake by the Japanese. Report 1. Digestibility of iodine from the seaweed Undaria pinnatifida] Yamada Y, et al. **Nippon Eiseigaku Zasshi** 1986 Dec;41(5):817-21 (Eng. Abstr.) **(Jpn)**

[Iodine concentration by the fungus Penicillium chrysogenum inhabiting soils of the nonchernozem zone] Letunova SV, et al. **Biol Nauki** 1986;(10):94-8 (Eng. Abstr.) **(Rus)**

[Iodine metabolism and thyroid hormones in the normal state and in pathology] Turakulov IaKh.
Probl Endokrinol (Mosk) 1986 Sep-Oct;32(5):78-85 (95 ref.) **(Rus)**

[Intrathyroid deiodination of thyroxine: the effect of thyrotropic hormone and denervation of the thyroid] Turakulov IaKh, et al. **Probl Endokrinol (Mosk)** 1986 Sep-Oct;32(5):72-6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Iodinated contrast agents as "radiosensitizers"Dawson P, et al. **Br J Radiol** 1987 Feb;60(710):201-3

Negative effect of iodide on the survival of newly divided epithelial cells in chronically stimulated rat thyroid. Rognoni JB, et al. **Cell Tissue Kinet** 1986 Jul;19(4):449-53

Nutritional implications of high-iodine egg diet in rats: effects on lipid metabolism and thyroid function. Katamine S, et al. **Drugs Exp Clin Res** 1987;13(1):1-4

Effect of chronic dietary nitrate and different iodine supply on porcine thyroid function, somatomedin-C-level and growth. Jahreis G, et al. **Exp Clin Endocrinol** 1986 Dec; 88(2):242-8

Ultrastructure of Sporothrix schenckii treated with iodine-potassium iodide solution. Hiruma M, et al.
Mycopathologia 1987 Feb;97(2):121-7

Effect of intrauterine iodine infusion on luteal function and blood PGF2a concentration in cycling goats. Barnes DA,

et al. **Prostaglandins** 1987 May;33(5):743–55

[Effectiveness of various concentrations of iodophors in artificially contaminated excised teats] Späth HM, et al. **Schweiz Arch Tierheilkd** 1986 Dec;128(12):623–31 (Eng. Abstr.) **(Ger)**

[Germicidal experiments with aqueous PVP–iodine–containing disinfecting solutions: effect of the content of free iodine on the bactericidal action against Staphylococcus aureus] Gottardi W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Jul; 182(4):372–80 (Eng. Abstr.) **(Ger)**

[Use of iodine microdoses in the prevention of contamination in mechanical ventilators] Dias MD, et al. **AMB** 1986 Sep–Oct;32(9–10):162–4 (Eng. Abstr.) **(Por)**

POISONING

Continuous povidone–iodine irrigation [letter] Ponn RB. **Ann Thorac Surg** 1987 Feb;43(2):239

Iodine toxicity [letter] Rothwell KG. **Ann Thorac Surg** 1986 Oct;42(4):481

Endemic goitre in central China caused by excessive iodine intake. Li M, et al. **Lancet** 1987 Aug 1;2(8553):257–9

[Changes induced by zinc and docosahexenoic acid in acute NaIO3 poisoning] Scorolli L, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:312–8 **(Fre)**

THERAPEUTIC USE

A study of the effect of cadexomer iodine in the treatment of venous leg ulcers. Harcup JW, et al. **Br J Clin Pract** 1986 Sep;40(9):360–4

Iodine vs thyroxine. A changing concept of therapy in endemic goiter? Hintze G, et al. **Klin Wochenschr** 1987 Jul 1;65(13):583–9

Unexpected lesson from Chernobyl [letter] Tatò L, et al. **Lancet** 1987 Apr 4;1(8536):803

[Antiarrhythmic effects of iodium–heterocycle compounds] Cao W, et al. **Yao Hsueh Hsueh Pao** 1986 Mar;21(3):161–4 (Eng. Abstr.) **(Chi)**

[Cancer of the thyroid in an area of endemic goiter. "Papillarization" with prophylactic iodization]Rolon PA. **Ann Pathol** 1986;6(3):170–5 (Eng. Abstr.) **(Fre)**

[A few initial truths and the practical value of cadexomer iodine in the ambulatory treatment of leg ulcers] Frileux C. **Phlebologie** 1986 Oct–Dec;39(4):1005–9 **(Fre)**

[Thyroid function of burned patients: effect of iodine therapy] Kuhn JM, et al. **Rev Med Interne** 1987 Jan–Feb;8(1):21–6 (Eng. Abstr.) **(Fre)**

[Prevention of endemic goiter in Italy with iodine: an urgent problem to be solved] Pinchero A, et al. **J Endocrinol Invest** 1986 Jun;9(3):261–3 **(Ita)**

[Effects of iodine–enriched egg (IE–egg) on nasal allergy: basic and clinical investigations] Kohno H, et al. **Nippon Yakurigaku Zasshi** 1986 Sep;88(3):223–8 (Eng. Abstr.) **(Jpn)**

[Effect of iodobromide mineral waters on uterine electrical activity in chronic inflammatory diseases of the female genitalia] Keshokova MP, et al. **Akush Ginekol (Mosk)** 1987 Mar;(3):68–9 **(Rus)**

[Endemic goiter in school children of Salta Province, Argentina] Morón C, et al. **Arch Latinoam Nutr** 1985 Sep; 35(3):383–93 (Eng. Abstr.) **(Spa)**

TOXICITY

Iodine–induced thyroiditis and hypothyroidism in the hemithyroidectomized BB/W rat. Allen EM, et al. **Endocrinology** 1987 Aug;121(2):481–5

Evidence of in vivo iodine–induced hyperthyroidism in hyperfunctional autoimmune and autonomous human thyroid tissue xenotransplanted to nude mice. Schumm–Draeger PM, et al. **Klin Wochenschr** 1987 Feb 16;65(4):197–201

[The effect of iodophors with an amino–oxide base on mammalian chromosomes] Karasová M, et al. **Bratisl Lek Listy** 1987 Feb;87(2):204–9 (Eng. Abstr.) **(Slo)**

URINE

[Significance of iodized table salt on the iodine supply of adults and children] Weber P, et al. **Monatsschr Kinderheilkd** 1987 Mar;135(3):137–42 (Eng. Abstr.) **(Ger)**

[Urinary iodine excretion in Austria and the effect of iodine balneotherapy] Buchberger W, et al. **Wien Klin Wochenschr** 1987 Mar 20;99(6):189–92 (Eng. Abstr.) **(Ger)**

[Excretion of iodine in the urine. A study from 6 different Norwegian districts in 1985] Kapelrud H, et al. **Tidsskr Nor Laegeforen** 1987 May 30;107(15):1320–1, 1317 (Eng. Abstr.) **(Nor)**

[Values of urinary iodine in population samples of different zones of the province of Cordoba in relation to endemic goiter] Diserio G, et al. **Medicina (B Aires)** 1986; 46(6):669–76 (Eng. Abstr.) **(Spa)**

IODINE ISOTOPES

THERAPEUTIC USE

[The role of radioactive iodine in the treatment of hyperthyroidism] Hennemann G, et al. **Ned Tijdschr Geneeskd** 1986 Oct 25;130(43):1930–5 (Eng. Abstr.) **(Dut)**

IODINE RADIOISOTOPES

Evidence of C–cell destruction in the thyroid gland of mice exposed to high 131I doses. Feinstein RE, et al. **Acta Radiol [Oncol]** 1986 May–Jun;25(3):199–202

Effect of high 131I doses to the thyroid gland on tumorigenicity of 90Sr and 90Y in mice. Gimeno EJ, et al. **Acta Radiol [Oncol]** 1986 Jul–Dec;25(4–6):261–7

Effect of high 131I doses on the bone uptake and retention of 90Sr and 90Y. Walinder G, et al. **Acta Radiol [Oncol]** 1986 Jul–Dec;25(4–6):255–60

Effects of different batches of 125iodine on properties of 125I–hFSH and characteristics of radioligand–receptor assays. Melson BE, et al. **Anal Biochem** 1987 Feb 1; 160(2):434–9

Radioiodination of proteins by reductive alkylation. Panuska JR, et al. **Anal Biochem** 1987 Jan;160(1):192–201

Oxidative radioiodination damage to human lactoferrin. Rosenmund A, et al. **Biochem J** 1986 Nov 15;240(1):239–45

Radioiodinated surface proteins of rabbit trophectoderm cells. Ricketts AP, et al. **Cell Tissue Res** 1986;246(3):667–71

A linear method for determining specific activity of tracers in radioimmunoassays. Chiang CS. **Clin Chem** 1987 Jul; 33(7):1245–7

Electrophoretic purification of radioiodinated follicle–stimulating hormone for radioligand receptor assay and radioimmunoassay. Schneyer AL, et al. **Endocrinology** 1986 Oct;119(4):1446–53

A 122Xe–122I generator for remote radio–iodinations. Mathis CA, et al. **Int J Rad Appl Instrum [A]** 1986;37(3):258–60

Comparative evaluation of electrophilic aromatic iododemetallation techniques for labeling radiopharmaceuticals with iodine–122. Moerlein SM, et al. **Int J Rad Appl Instrum [A]** 1987;38(2):85–90

omega–Iodophenyl fatty acids: a convenient method of radioiodination. Otto CA, et al. **Int J Rad Appl Instrum [A]** 1986;37(3):205–10

Synthesis and biodistribution of [125I]iodo– and [75Se]seleno–ergoline derivatives. Sadek S, et al. **Int J Rad Appl Instrum [A]** 1987;38(5):391–7

A new radioiodine exchange labeling technique. Sinn HJ, et al. **Int J Rad Appl Instrum [A]** 1986;37(1):17–21

Simple quantitative radioiodination of (E)–5–(2–iodovinyl)–2'–deoxyuridine (IVDU) by exchange labelling. Verbruggen A, et al. **Int J Rad Appl Instrum [A]** 1986;37(4):355–7

Fast high–yield labelling and quality control of [123I]– and [131I]MIBG. Verbruggen RF. **Int J Rad Appl Instrum [A]** 1987;38(4):303–4

Iodine radiochemistry and radiopharmaceutical product labeling. Bourdoiseau M. **Int J Rad Appl Instrum [B]** 1986; 13(2):83–8

Autoradiolysis of iodinated monoclonal antibody preparations. Kishore R, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):457–9

Dose distributions of model 6702 I–125 seeds in water. Schell MC, et al. **Int J Radiat Oncol Biol Phys** 1987 May; 13(5):795–9

A radiation–hygienic appraisal of biosphere contamination with 129I. Vasilenko IYa. **J Hyg Epidemiol Microbiol Immunol** 1986;30(3):243–8 (29 ref.)

Evaluation of the lung uptake of iodine–131 HIPDM by the single–pass multiple indicator dilution technique in a rabbit model. Abrams DN, et al. **J Nucl Med** 1987 Apr; 28(4):487–94

Iodination of monoclonal antibodies for diagnosis and radiotherapy using a convenient one vial method. Haisma HJ, et al. **J Nucl Med** 1986 Dec;27(12):1890–5

Radioactive iodine exchange reaction of HIPDM: kinetics and mechanism. Lui B, et al. **J Nucl Med** 1987 Mar; 28(3):360–5

High efficiency iodination of monoclonal antibodies for radiotherapy. Mather SJ, et al. **J Nucl Med** 1987 Jun; 28(6):1034–6

Reduction of 131I content in leafy vegetables and seaweed by cooking. Hisamatsu S, et al. **J Radiat Res (Tokyo)** 1987 Mar;28(1):135–40

Regioselective A–ring iodination of estradiol diacetates. Ali H, et al. **J Steroid Biochem** 1987 Jul;28(1):21–3

Characterisation of monoclonal and polyclonal antibodies to 19–linked conjugates of testosterone with corresponding radioligands. Crosby SR, et al. **J Steroid Biochem** 1986 Dec; 25(6):957–62

Aggregation of encephalomyocarditis virus induced by radio–iodination. Burness AT, et al. **J Virol Methods** 1986 Sep;14(2):167–76

Comparison of two radiolabeled quinuclidinyl benzilate ligands for the characterization of the human peripheral lung muscarinic receptor. Joad JP, et al. **Life Sci** 1987 Sep 28;41(13):1577–84

Revisions to radial dose function data for 125I and 131Cs. Dale RG. **Med Phys** 1986 Nov–Dec;13(6):963–4

Radiolabeling of human immune interferon with 125I–labeled Bolton–Hunter reagent. Anderson P. **Methods Enzymol** 1986;119:281–3

Radioiodination of human alpha interferons by the chloramine T method. Mogensen KE, et al. **Methods Enzymol** 1986;119:267–76

Radiolabeling of human leukocyte and immune interferons with 125I and lactoperoxidase. Sarkar FH, et al. **Methods Enzymol** 1986;119:263–7

Radiolabeling of human interferon alphas with 125I–labeled Bolton–Hunter reagent. Zur Nedden DL, et al. **Methods Enzymol** 1986;119:276–81

A simplified method for the iodination of prostanoids for radioimmunoassay. Uderman HD, et al. **Prostaglandins Leukotrienes Med** 1986 Sep;24(1):69–73

Auger–electron cascades, charge potential and microdosimetry of iodine–125. Booz J, et al. **Radiat Environ Biophys** 1987;26(2):151–62

Amplification of oncogenes and integrated SV40 sequences in mammalian cells by the decay of incorporated iodine–125. Ehrfeld A, et al. **Radiat Res** 1986 Oct; 108(1):43–51

Labeling of sarcoma associated monoclonal antibody with 111In, 67Ga and 125I. Lavie E, et al. **Radiother Oncol** 1987 Feb;8(2):129–35

[Practical experiences with radioiodine labeling of antibodies—a review] Schmidt HE, et al. **Radiobiol Radiother (Berl)** 1986;27(4):373–85 (72 ref.) (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

A technique for accurate placement of episcleral iodine–125 plaques. Robertson DM, et al. **Am J Ophthalmol** 1987 Jan 15;103(1):63–5

Experimental radioimmunotherapy of murine lymphoma with 131I–labeled anti–T–cell antibodies. Badger CC, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6223–8

High or low dose radioiodine ablation of thyroid remnants? Creutzig H. **Eur J Nucl Med** 1987;12(10):500–2

131I labeled diphosphonates for the palliative treatment of bone metastases—IV. Syntheses of benzylidenediphosphonates and their organ distribution in rats. Eisenhut M, et al. **Int J Rad Appl Instrum [A]** 1987; 38(7):535–40

125Iodine implantation after lymphadenectomy in early carcinoma of the prostate. Giles GM, et al. **Int J Radiat Oncol Biol Phys** 1986 Dec;12(12):2117–25

Antibody–guided radiation therapy via the CSF for malignant meningitis [letter] Coakham HB, et al. **Lancet** 1986 Oct 11;2(8511):860–1

Dose distribution for 125I implants due to anisotropic radiation emission and unknown seed orientation. Prasad SC, et al. **Med Phys** 1987 Mar–Apr;14(2):296–8

Radioimmunotherapy of xenografts of human pancreatic carcinomas—intravenous and intratumoral application of 131I–labelled monoclonal antibodies. Klapdor R, et al. **Nuklearmedizin** 1986 Dec;25(6):235–8

Simple, accurate, safe, and cost–effective percutaneous transperineal template technique for permanent 125iodine interstitial brachytherapy of prostate cancer. Kumar PP, et al. **Strahlenther Onkol** 1986 Nov;162(11):713–9

[Combination of bilateral pelvic lymphadenectomy, permanent iodine–125 implantation and percutaneous irradiation of localized prostate carcinoma. 1: Methods and results] Thiel HJ, et al. **Strahlenther Onkol** 1987 Mar; 163(3):164–75 (Eng. Abstr.) **(Ger)**

[Combination of bilateral pelvic lymphadenectomy, permanent iodine–125 implantation and percutaneous irradiation of localized prostate carcinoma. 2: Discussion and conclusions] Thiel HJ, et al. **Strahlenther Onkol** 1987 Mar;163(3):176–84 (Eng. Abstr.) **(Ger)**

[Radionuclide research on liver and kidney function in thyroid cancer after radioiodine therapy] Vasil'ev LIa, et al. **Med Radiol (Mosk)** 1987 Mar;32(3):38–41 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Serum thyroid autoantibodies as a risk factor for development of hypothyroidism after radioactive iodine therapy for single thyroid 'hot' nodule. Mariotti S, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):500–7

Safety of 125iodine and 192iridium implants to the canine carotid artery. Long–term results. Fee WE Jr, et al. **Acta Otolaryngol (Stockh)** 1987 May–Jun;103(5–6):514–8

Effect of radioactive iodine therapy on parotid gland function. Maier H, et al. **Acta Otolaryngol (Stockh)** 1987 Mar–Apr;103(3–4):318–24

Radioiodine treatment of Graves' disease. An assessment of its potential risks. Graham GD, et al. **Ann Intern Med** 1986 Dec;105(6):900–5

Carcinogenic effects of 131I, 132I and 125I on rat thyroids. A comparative pathological study. Liu ZH, et al. **Chin Med J [Engl]** 1987 Feb;100(2):92–6

A rat model of the 131I–induced changes in thyroid function. Reilly CP, et al. **J Endocrinol Invest** 1986 Oct;9(5):367–70

Side effects of "rational dose" iodine–131 therapy for metastatic well–differentiated thyroid carcinoma. Van Nostrand D, et al. **J Nucl Med** 1986 Oct;27(10):1519–27

Preleukemia following large dose radioiodide therapy for metastatic thyroid carcinoma. Yoosufani Z, et al. **J Nucl Med** 1987 Aug;28(8):1348–50

Hypothyroidism following radioiodine treatment of thyrotoxicosis. Staffurth JS. **J R Coll Physicians Lond** 1987 Jan;21(1):55–7

Reactor accidents. Public health strategies and their medical implications. Becker DV. **JAMA** 1987 Aug 7;258(5):649–54

Thyroid cancer after 131I treatment [letter] Bodansky HJ. **Lancet** 1986 Sep 27;2(8509):755–6

Thyroid radiation dose in Britain arising from the Chernobyl accident [letter] Tucker A. **Lancet** 1986 Nov 22; 2(8517):1220–1

Radiotoxicity of 125I in mammalian cells. Kassis AI, et al. **Radiat Res** 1987 Aug;111(2):305–18

Study on late effects of radioiodine on rats. Liu ZH, et al. **Sci Sin [B]** 1986 Oct;29(10):1039–53

Long–term effect of radioiodine therapy on the thyroid antibodies in the patients of Graves' disease with postirradiation hypothyroidism. Chang TC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Dec;85(12):1177–82

Comparison of chromosome aberration frequency before and after administration of 131I in two groups of thyroid cancer patients. Ardito G, et al. **Tumori** 1987 Jun 30;73(3):257–62

[Long–term hematologic changes caused by radioiodine treatment of thyroid cancer. II. Bone marrow changes including leukemia] Günter HH, et al. **Strahlenther Onkol** 1987 Jul;163(7):475–85 (Eng. Abstr.) **(Ger)**

[Long–term hematologic changes caused by radioiodine treatment of thyroid cancer. I. Peripheral blood changes] Schober O, et al. **Strahlenther Onkol** 1987 Jul;163(7):464–74 (Eng. Abstr.) **(Ger)**

[Rapid development of hypothyroidism following treatment of the "hot" thyroid node with 131–I]Górowski T. **Pol Tyg Lek** 1986 Aug 11;41(32):1007–8 (Eng. Abstr.) **(Pol)**

[Hygienic assessment of iodine radioisotopes] Vasilenko IIa. **Gig Sanit** 1987 May;(5):64–7 (14 ref.) **(Rus)**

[Disorders of immunologic homeostasis as affected by radioactive iodine preparations] Anokhin IuN, et al. **Med Radiol (Mosk)** 1986 Nov;31(11):55–8 (Eng. Abstr.) **(Rus)**

[Comparative biological effectiveness of 125I and 131I] Dedov VI, et al. **Med Radiol (Mosk)** 1987 Feb;32(2):45–9 (Eng. Abstr.) **(Rus)**

[Genetic action of 131I and 125I on the germ cells of male mice] Shevchenko VA, et al. **Radiobiologiia** 1986 Nov–Dec;26(6):771–7 (Eng. Abstr.) **(Rus)**

[Transient hypothyroidism after iodine radioisotope: myth or reality?] Aguayo J, et al. **Rev Med Chil** 1986 Feb; 114(2):114–7 (Eng. Abstr.) **(Spa)**

ANALYSIS

Evaluation of external monitoring versus urine assay for determining post–therapy body retention of 131I. Ponto JA, et al. **Health Phys** 1987 Jun;52(6):819–21

Transport of the radioisotopes iodine–131, cesium–134, and cesium–137 from the fallout following the accident at the Chernobyl nuclear reactor into cheesemaking products. Assimakopoulos PA, et al. **J Dairy Sci** 1987 Jul; 70(7):1338–43

Iodine–131 thyroid burdens of European travellers returning to Boston after the Chernobyl accident [letter] Castronovo FP Jr. **N Engl J Med** 1986 Dec 25;315(26):1679–80

131I in milk and rain after Chernobyl [letter] Nishizawa K, et al. **Nature** 1986 Nov 27–Dec 3;324(6095):308

Alimentary restrictions and 131I in human thyroids [letter] Orlando P, et al. **Nature** 1986 Nov 6–12;324(6092):23

Radiolytic breakdown of sodium iodide (131I) in sodium iodide (131I) capsules. Bonnyman J, et al. **Nucl Med Commun** 1986 Nov;7(11):839–43

BLOOD

Kinetics of radioiodine released from prelabelled thyroid gland in vivo: influence of propylthiouracil. Ahrén B, et al. **Pharmacol Toxicol** 1987 Jul;61(1):69–71

[Measurement of the 125I and 14C radioactivity in double–labeled blood samples] Kolomiltseva Gla, et al. **Biol Nauki** 1986;(9):107–9 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Efficacy of thyroid scintigraphy in the diagnosis of intrathoracic goiter. Park HM, et al. **AJR** 1987 Mar; 148(3):527–9

Diagnostic imaging of gynecologic tumors with the monoclonal antibody 791T/36. Powell MC, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):28–34

Fate of labeled albumin and erythrocytes following injection into amniotic cavity of sheep. Tomoda S, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):R781–6

A micromethod for the determination of an unbound radioactive iodine in radiolabeled glycoproteins by means of uranyl acetate. Boratyński J. **Anal Biochem** 1987 Jan; 160(1):35–8

Ligand blotting with 125I–fluoresceinamine–heparin. Smith JW, et al. **Anal Biochem** 1987 Jan;160(1):105–14

Incorporation and intracellular hydrolysis of 131 I–albumin injected in rat testis. Bertini F, et al. **Andrologia** 1986 Sep–Oct;18(5):489–94

False positive 125I fibrinogen test. Poulose KP, et al. **Angiology** 1976 Apr;27(4):258–61

New techniques for iodine–125 radiotherapy of intraocular tumors. Packer S, et al. **Ann Ophthalmol** 1987 Jan; 19(1):26–30

123I BSP scanning in neonatal jaundice. Carty H, et al. **Ann Radiol (Paris)** 1986;29(8):647–50

Early and delayed SPECT using N–isopropyl p–iodoamphetamine iodine 123 in cerebral ischemia. A prognostic index for clinical recovery. Defer G, et al. **Arch Neurol** 1987 Jul;44(7):715–8

Cerebral perfusion imaging in Alzheimer's disease. Use of single photon emission computed tomography and iofetamine hydrochloride I 123. Johnson KA, et al. **Arch Neurol** 1987 Feb;44(2):165–8

Intraoperative probe–directed immunodetection using a monoclonal antibody. O'Dwyer PJ, et al. **Arch Surg** 1986 Dec;121(12):1391–4

Imaging and treatment of disseminated neuroblastoma with 131I–meta–iodobenzylguanidine. Gerrard M, et al. **Br J Radiol** 1987 Apr;60(712):393–5

Immunoscintigraphy of metastases with radiolabelled human antibodies [letter] Ballantyne KC, et al. **Br Med J [Clin Res]** 1987 Apr 4;294(6576):906

Localization of radioiodine conjugated to the monoclonal antibody HMFG2 in human ovarian carcinoma: assessment of intravenous and intraperitoneal routes of administration. Ward BG, et al. **Cancer Res** 1987 Sep 1;47(17):4719–23

Functional brain imaging with I123–amphetamine. First experience in the Netherlands. de Bruïne JF, et al. **Clin Neurol Neurosurg** 1986;88(4):253–61

Visualization of adrenocortical carcinoma lung metastases with iodine–131 labeled 6B–iodomethylnorcholesterol (NP–59). Chow CK, et al. **Clin Nucl Med** 1987 Jun; 12(6):468–70

A simplified method for the routine determination of effective renal plasma flow. Floyd JL, et al. **Clin Nucl Med** 1986 Nov;11(11):758–9

SPECT with N–isopropyl–p iodoamphetamine in occlusive cerebrovascular diseases. Higa T, et al. **Clin Nucl Med** 1986 Dec;11(12):855–9

A follow–up study using iodine–131 metaiodobenzylguanidine imaging in a patient with neuroblastoma. Ikekubo K, et al. **Clin Nucl Med** 1986 Nov; 11(11):777–80

Caudate nucleus infarction demonstrated by N–isopropyl–p iodoamphetamine SPECT imaging using a rotating gamma camera. Polak JF, et al. **Clin Nucl Med** 1986 Oct; 11(10):718–20

Primary extra–adrenal pheochromocytoma: positive I–123 MIBG imaging with negative I–131 MIBG imaging. Shulkin BL, et al. **Clin Nucl Med** 1986 Dec;11(12):851–4

CT, magnetic resonance imaging, and SPECT iodine–123 iodoamphetamine imaging of a patient with progressive cognitive deterioration. Tikofsky RS, et al. **Clin Nucl Med** 1987 Jun;12(6):463–5

Clinical ramifications of iodine. Akber SF. **Compr Ther** 1987 Mar;13(3):19–25

Comparative imaging and biodistribution studies with an anti–CEA monoclonal antibody and its F(ab)2 and Fab fragments in mice with colon carcinoma xenografts. Andrew SM, et al. **Eur J Nucl Med** 1986;12(4):168–75

Effect of glucose and insulin infusion on the myocardial extraction of a radioiodinated methyl–substituted fatty acid. Bianco JA, et al. **Eur J Nucl Med** 1986;12(3):120–4

Visualization of a ganglioneuroma by means of scintigraphy with 131–I–MIBG. Caballero O, et al. **Eur J Nucl Med** 1986;12(7):351–2

Structurally modified fatty acids: clinical potential as tracers of metabolism. Dudczak R, et al. **Eur J Nucl Med** 1986; 12 Suppl:S45–8

Dynamic 123I–HDA myocardial scintigraphy after aortocoronary bypass grafting. Fridrich L, et al. **Eur J Nucl Med** 1986;12 Suppl:S24–6

The role of I–131–MIBG in the diagnosis and therapy of carcinoids. Hoefnagel CA, et al. **Eur J Nucl Med** 1987; 13(4):187–91

New radioiodinated methyl–branched fatty acids for cardiac studies. Knapp FF Jr, et al. **Eur J Nucl Med** 1986;12 Suppl:S39–44

Application of lectins to tumor imaging radiopharmaceuticals. Kojima S, et al. **Eur J Nucl Med** 1986;12(8):385–9

Localization of melanoma with radiolabelled monoclonal antibody fragments and iodoamphetamine. Liewendahl K, et al. **Eur J Nucl Med** 1986;12(7):359–62

Labeling of monoclonal antibodies with a 67Ga–phenolic aminocarboxylic acid chelate. Part II. Comparison of immunoreactivity and biodistribution of monoclonal antibodies labeled with the 67Ga–chelate or with 131I. Matzku S, et al. **Eur J Nucl Med** 1986;12(8):405–12

New high yield Cu(I) assisted 123I radioiodination of 15(p–I–phenyl)–9–methyl pentadecanoic acid, a potential myocardial tracer. Mertens J, et al. **Eur J Nucl Med** 1987; 13(3):159–60

Myocardial scintigraphy with I–123 heptadecanoic acid as a test for coronary heart disease. Railton R, et al. **Eur J Nucl Med** 1987;13(2):63–6

Effect of myocardial perfusion and metabolic interventions on cardiac kinetics of phenylpentadecanoic acid (IPPA) I 123. Reske SN, et al. **Eur J Nucl Med** 1986;12 Suppl:S27–31

Radioimmunolocalization of human brain tumours: biodistribution of radiolabelled monoclonal antibody UJ13A. Richardson RB, et al. **Eur J Nucl Med** 1986; 12(7):313–20

I–123 heptadecanoic acid—value and limitations in comparison with C–11 palmitate. Schön HR. **Eur J Nucl Med** 1986;12 Suppl:S16–9

Imaging of human atherosclerotic lesions using 123I–low–density lipoprotein. Sinzinger H, et al. **Eur J Nucl Med** 1986;12(5–6):291–2

Prognostic value of 123–IODO–heptadecanoic acid imaging in patients with acute myocardial infarction. Stoddart PG, et al. **Eur J Nucl Med** 1987;12(11):525–8

Assessment of percutaneous transluminal coronary angioplasty with 123IODO–heptadecanoic acid. Stoddart PG, et al. **Eur J Nucl Med** 1987;12(12):605–8

90–minute 99mTc–MDP scintigraphy and 131I–hippuran renography in recently allotransplanted kidneys: evaluation of renal ischemia. Thomsen HS, et al. **Eur J Nucl Med** 1986;12(3):110–4

Radioiodinated free fatty acids; can we measure myocardial metabolism? Visser FC, et al. **Eur J Nucl Med** 1986;12 Suppl:S20–3

VMA–negative, MIBG scan–positive neuroblastoma in children [letter] Miceli A, et al. **Eur J Pediatr** 1986 Sep; 145(4):325

123I radiolabeling of monoclonal antibodies for in vivo procedures. Mills SL, et al. **Hybridoma** 1986 Winter; 5(4):265–75

Antibody protein dose and radioimmunodetection of GW–39 human colon tumor xenografts. Sharkey RM, et al. **Int J Cancer** 1987 May 15;39(5):611–7

[123I]iodoamphetamine SPECT imaging. Cohen MB, et al. **Int J Rad Appl Instrum [A]** 1986;37(8):749–63 (82 ref.)

Iodine–labelled monoclonal antibodies for cell labelling: principles and prospects. Danpure HJ, et al. **Int J Rad Appl Instrum [A]** 1986;37(8):735–9

Radioiodinated iodobenzylguanidines for diagnosis and therapy. McEwan AJ, et al. **Int J Rad Appl Instrum [A]** 1986;37(8):765–75 (60 ref.)

Radioiodinated fatty acids for cardiological diagnosis. Machulla HJ, et al. **Int J Rad Appl Instrum [A]** 1986; 37(8):777–88 (82 ref.)

Radioiodinated monoclonal antibodies: a critical review. Mather SJ. **Int J Rad Appl Instrum [A]** 1986;37(8):727–33 (73 ref.)

Potential application of labeled antibodies for thrombus detection. Ezekowitz MD, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):407–11

Radioimmunodetection of human tumor xenografts by monoclonal antibody F(ab')2 fragments. Herlyn D, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):401–5

Synthesis and biodistribution of 125I labeled bivalent analogs of practolol as potential myocardial imaging agents. Kizuka H, et al. **Int J Rad Appl Instrum [B]** 1986;13(5):551–5

Synthesis and in vivo evaluation of 122I– and 131I–labelled iodoperidol, a potential agent for the tomographic assessment of cerebral perfusion. Moerlein SM, et al. **Int J Rad Appl Instrum [B]** 1987;14(2):91–8

Comparative studies using 125I– and 111In–labeled monoclonal antibodies. Otsuka FL, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):325–34

Breast milk content of 131I in a hypothyroid patient. Spencer RP, et al. **Int J Rad Appl Instrum [B]** 1986;13(5):585

Characterization of liposomes containing iodine–125–labeled radiographic contrast agents. Zalutsky MR, et al. **Invest Radiol** 1987 Feb;22(2):141–7

Experience with I–131–metaiodobenzylguanidine (MIBG): a retrospective study. Chan R, et al. **J Can Assoc Radiol** 1987 Mar;38(1):35–9

Comparison of single–photon emission computed tomography with [123I]iodoamphetamine and xenon–enhanced computed tomography for assessing regional cerebral blood flow. Hellman RS, et al. **J Cereb Blood Flow Metab** 1986 Dec;6(6):747–55

Utility of [16 alpha–125I] iodoestradiol for autoradiography for the study of cellular and regional distribution of receptors. Stumpf WE, et al. **J Histochem Cytochem** 1987 Jan;35(1):87–92

Phenylpiperazine–based radiopharmaceuticals for brain imaging. 3. Synthesis and evaluation of radioiodinated 1–alkyl–4–phenylpiperazines. Hanson RN, et al. **J Med Chem** 1987 Jan;30(1):29–34

Potential tumor– or organ–imaging agents. 27. Polyiodinated 1,3–disubstituted and 1,2,3–trisubstituted triacylglycerols. Weichert JP, et al. **J Med Chem** 1986 Dec;29(12):2457–65

Blood flow and glucose utilization of experimental brain tumors measured simultaneously with a double tracer method [letter] Mies G. **J Neurooncol** 1987;4(4):417–9

Problem with mouse neuroblastoma for iodine–131 MIBG studies [letter] Aboul–Enein HY. **J Nucl Med** 1987 Feb; 28(2):255–6

Determination of iodine–131 diagnostic dose for imaging metastatic thyroid cancer. Arnstein NB, et al. **J Nucl Med** 1986 Nov;27(11):1764–9

Uptake of iodine–123 MIBG by pheochromocytomas, paragangliomas, and neuroblastomas: a histopathological comparison. Bomanji J, et al. **J Nucl Med** 1987 Jun; 28(6):973–8

Quantitation of iodine–123 MIBG uptake by normal adrenal medulla in hypertensive patients. Bomanji J, et al. **J Nucl Med** 1987 Mar;28(3):319–24

Indium–111 T101 monoclonal antibody is superior to iodine–131 T101 in imaging of cutaneous T–cell lymphoma. Carrasquillo JA, et al. **J Nucl Med** 1987 Mar;28(3):281–7

Reevaluation of the newborn thyroid dose from radioiodines. Hedrick WR, et al. **J Nucl Med** 1987 Jul;28(7):1208–9

17–Iodine–123 iodoheptadecanoic acid for metabolic liver studies in humans. Höck A, et al. **J Nucl Med** 1986 Oct; 27(10):1533–9

Radionuclide diagnosis and therapy of neural crest tumors using iodine–131 metaiodobenzylguanidine. Hoefnagel CA, et al. **J Nucl Med** 1987 Mar;28(3):308–14

Localization and treatment of familial malignant nonfunctional paraganglioma with iodine-131 MIBG: report of two cases. Khafagi F, et al. **J Nucl Med** 1987 Apr;28(4):528–31

Iodine-131 accumulation in a pericardial effusion [letter] Maslack MM, et al. **J Nucl Med** 1987 Jan;28(1):133

Preliminary studies of monoclonal antibody lymphoscintigraphy in malignant melanoma. Nelp WB, et al. **J Nucl Med** 1987 Jan;28(1):34–41

Localization of human osteogenic sarcoma xenografts in nude mice by a monoclonal antibody labeled with radioiodine and indium-111. Sakahara H, et al. **J Nucl Med** 1987 Mar; 28(3):342–8

Iodine-131 MIBG scintigraphy of the extremities in metastatic pheochromocytoma and neuroblastoma. Shulkin BL, et al. **J Nucl Med** 1987 Mar;28(3):315–8

Evaluation of [iodine-125]N,N,N'-trimethyl-N'-[2-hydroxy-3-methyl-5-iodobenzyl]-1,3- propanediamine lung uptake using an isolated-perfused lung model. Slosman DO, et al. **J Nucl Med** 1987 Feb;28(2):203–8

Failure of iodine-131 MIBG imaging in small cell lung carcinoma [letter] Vincent MD, et al. **J Nucl Med** 1987 Jul;28(7):1230

Iodine-131 MIBG scintigraphy of neuroendocrine tumors other than pheochromocytoma and neuroblastoma. Von Moll L, et al. **J Nucl Med** 1987 Jun;28(6):979–88

Hepatic visualization on iodine-131 whole-body thyroid cancer scans. Ziessman HA, et al. **J Nucl Med** 1987 Sep; 28(9):1408–11

Preoperative parathyroid localization by superimposed iodine-131 toluidine blue and technetium-99m pertechnetate imaging. Zwas ST, et al. **J Nucl Med** 1987 Mar;28(3):298–307

Radiolabeled antibody: iodine versus radiometal chelates. Anderson WT, et al. **NCI Monogr** 1987;(3):149–51

Human sarcoma-associated murine monoclonal antibody labeled with indium-111, gallium-67, and iodine-125. Bartal AH, et al. **NCI Monogr** 1987;(3):153–5

Radioimmunodetection of implanted tumors with gamma probe. Hinkle GH, et al. **NCI Monogr** 1987;(3):83–7

Penetration of the brain by nonionic water soluble tri- and hexaiodinated contrast media. Experimental autoradiographic study of two contrast media: Iotrol and Iopamidol labelled with iodine 125. Castel JC, et al. **Neuroradiology** 1987;29(2):206–10

A radioimmunoassay using 125I-protein A for the determination of red cell RH1 (Rh0, D) antigen. Fukushima H, et al. **Nippon Hoigaku Zasshi** 1986 Aug;40(4):366–9

15-(ortho-123I-phenyl)-pentadecanoic acid, a new myocardial imaging agent for clinical use. Antar MA, et al. **Nucl Med Commun** 1986 Sep;7(9):683–96

SPECT imaging of 131I (364 keV): importance of collimation. Clarke LP, et al. **Nucl Med Commun** 1985 Jan; 6(1):41–7

Radio-iodine-labelled 5-iodo-2-thiouracil: a potential radiopharmaceutical for establishing the viability of ocular melanoma after radiation therapy. Franken NA, et al. **Nucl Med Commun** 1986 Nov;7(11):797–809

In vivo tuberculoma creation and its radioimmunoimaging. Hazra DK, et al. **Nucl Med Commun** 1987 Mar;8(3):139–42

Imaging of inflammatory and infectious lesions after injection of radioiodinated monoclonal anti-granulocytes antibodies. Locher JT, et al. **Nucl Med Commun** 1986 Sep;7(9):659–70

Enterohepatic circulation and distribution of 131I-6 beta-iodomethyl-19-norcholesterol (NP-59). Lynn MD, et al. **Nucl Med Commun** 1986 Aug;7(8):625–30

Radioiodinated Rhodamine-123: a potential cationic hepatobiliary imaging agent. Moonen P, et al. **Nucl Med Commun** 1987 Feb;8(2):99–104

131I and 111In-labelled monoclonal antibody imaging of primary lung carcinoma. Perkins AC, et al. **Nucl Med Commun** 1986 Oct;7(10):729–39

The implications of decreased performance of new generation gamma-cameras on the interpretation of 131I-Hippuran renal images. Zuckier LS, et al. **Nucl Med Commun** 1987 Jan;8(1):49–61

Immunoscintigraphy in medullary thyroid cancer using an 123I- or 111In-labelled monoclonal anti-CEA antibody fragment. Reiners C, et al. **Nuklearmedizin** 1986 Dec; 25(6):227–31

131I-meta-iodobenzylguanidine scintigraphy in patients with neuroblastoma. Hibi S, et al. **Pediatr Radiol** 1987; 17(4):308–13

N-isopropyl I-123 p-iodoamphetamine brain scans with single photon emission computed tomography: mental sweating and EEG abnormality. Momose T, et al. **Radiat Med** 1986 Apr-Jun;4(2):46–50

Experimental study on the collimator for increasing the resolution of N-isopropyl-p-(123I)iodoamphetamine (IMP) SPECT imaging of the brain. Oyamada H, et al. **Radioisotopes** 1986 Jun;35(6):303–10

Carcinoid tumors: CT and I-131 meta-iodo-benzylguanidine scintigraphy. Adolph JM, et al. **Radiology** 1987 Jul; 164(1):199–203

Brain phantom: high-resolution imaging with SPECT and I-123. Floyd CE Jr, et al. **Radiology** 1987 Jul;164(1):279–81

Intracranial tumors: unexpected uptake of I-123 HIPDM. McVeigh MC, et al. **Radiology** 1986 Nov;161(2):409–11

Distribution of iodized oil within the liver after hepatic arterial injection [letter] Park CH, et al. **Radiology** 1987 Aug;164(2):585–6

Iodine-131-labeled lipiodol retention within hepatic cavernous hemangioma [letter] Park CH, et al. **Radiology** 1987 Apr;163(1):283–4

Pheochromocytoma and paraganglioma: comparison of MR imaging with CT and I-131 MIBG scintigraphy. Quint LE, et al. **Radiology** 1987 Oct;165(1):89–93

Aged venous thrombi: radioimmunoimaging with fibrin-specific monoclonal antibody. Rosebrough SF, et al. **Radiology** 1987 Feb;162(2):575–7

Evaluation of a new adrenomedullary imaging agent: 131I-meta-iodobenzylguanidine (131I-MIBG). I: Experimental studies on animals. Troncone L, et al. **Rays** 1985 May-Aug;10(2):117–24

N-isopropyl-p[123I]iodoamphetamine, a new agent for lung imaging studies. Van Zandwijk N, et al. **Thorax** 1986 Oct; 41(10):801–3

Comparison between 131I and 111In as radiolabels for monoclonal antibodies in immunoscintigraphy of tumor bearing nude mice. Thedrez P, et al. **Tumour Biol** 1986; 7(2-3):137–45

Paraganglioma of urinary bladder, visualization with 131I-MIBG scintigraphy. Sakashita S, et al. **Urol Int** 1987; 42(3):237–40

[Dissociation between absorption of 131I-19-iodocholesterol and hormonal activity in corticosteroma patients] Burliev G, et al. **Vutr Boles** 1987;26(3):88–91 (Eng. Abstr.) **(Bul)**

[Labelling of DNA by iodination and its application on the detection of EBV-DNA] Gu SY. **Chung Hua Chung Liu Tsa Chih** 1986 Mar;8(2):107–11 (Eng. Abstr.) **(Chi)**

[The liquid phase C1q binding assay and its clinical application] Cheng PZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1987 Feb; 9(1):69–71 (Eng. Abstr.) **(Chi)**

[Scintigraphic diagnosis of pheochromocytoma] Nielsen SL, et al. **Ugeskr Laeger** 1986 Nov 17;148(47):3146–7 (Eng. Abstr.) **(Dan)**

[Comparison of MIBG scintigraphy and computerized tomography in the localization of pheochromocytomas] Charbonnel B, et al. **Arch Mal Coeur** 1986 Jun;79(6):980–4 (Eng. Abstr.) **(Fre)**

[Results of scintigraphy with m-[123I]iodobenzylguanidine in neuroblastoma in children] Ythier H, et al. **Int J Rad Appl Instrum [B]** 1987;14(2):107–12 (Eng. Abstr.) **(Fre)**

[Detection by scintigraphy with meta-iodobenzylguanidine of a subclinical tumoral thyroid nodule in Sipple's syndrome (letter)] Gallet M, et al. **Presse Med** 1986 Jul 5–12;15(27):1282 **(Fre)**

[131I-accumulating pulmonary and bone metastases of differentiated thyroid cancer with low serum thyroglobulin levels—an exception in tumor follow-up?] Arning G, et al. **Nuklearmedizin** 1987 Jun;26(3):139–42 (Eng. Abstr.) **(Ger)**

[Scintigraphic studies with J123 miniplasmin in patients with suspected deep venous thrombosis of the leg: comparison of the diagnostic value of J123 miniplasmin scintigraphy and Tc99m plasmin test] Siostrzonek P, et al. **Vasa** 1987; 16(2):140–8 (Eng. Abstr.) **(Ger)**

[Diagnosis, monitoring and therapy of neuroblastoma using I-131 meta-iodobenzylguanidine] Melino G, et al. **Minerva Pediatr** 1986 Dec 31;38(23-24):1083–93 (Eng. Abstr.) **(Ita)**

[Evaluation using radioisotopes (I125) of the airtightness of root canal obturation obtained with lateral and vertical condensation technics] De Fazio P, et al. **Minerva Stomatol** 1987 Mar;36(3):175–8 (Eng. Abstr.) **(Ita)**

[Dynamic sequential scintigraphy using I-123-IMP in patients with intracranial mass lesions, a comparison with the Xe-133 method] Hoshi H, et al. **Kaku Igaku** 1986 Jun; 23(6):819–24 (Eng. Abstr.) **(Jpn)**

[A new liver function test using the asialoglycoprotein-receptor system on the liver cell membrane: II. Quantitative evaluation of labeled neoglycoprotein clearance] Kawa S, et al. **Kaku Igaku** 1986 Jul;23(7):907–16 (Eng. Abstr.) **(Jpn)**

[I-123 IMP brain scintigraphies in asphyxiated neonates] Maeda H, et al. **Kaku Igaku** 1987 Jan;24(1):1–6 (Eng. Abstr.) **(Jpn)**

[N-isopropyl (I-123) p-iodoamphetamine brain scintigraphies in chronic hemiplegic patients after acute infantile hemiplegia (AIH)] Maeda H, et al. **Kaku Igaku** 1986 Aug;23(8):1063–6 (Eng. Abstr.) **(Jpn)**

[Improvement of the rotating gamma camera SPECT image with I-123—a study of a adequate collimator and rotation radius] Murata H, et al. **Kaku Igaku** 1986 Jul;23(7):937–44 (Eng. Abstr.) **(Jpn)**

[Value of regional cerebral perfusion SPECT with N-isopropyl-(I-123)p-iodoamphetamine (IMP) in brain tumors] Nishizawa S, et al. **Kaku Igaku** 1987 Jan; 24(1):15–25 (Eng. Abstr.) **(Jpn)**

[An interesting case of mitochondrial encephalomyopathy with lactic acidosis and stroke-like episodes (MELAS) showing an unusual accumulation pattern of 123I-N-isopropyl-p-iodoamphetamine] Ono S, et al. **Kaku Igaku** 1986 Nov;23(11):1639–45 **(Jpn)**

[Diagnostic efficacy of m-[131I] iodobenzylguanidine (I-131 MIBG) scintigraphy in locating pheochromocytoma: comparison with computed tomography and ultrasonography] Sakai M, et al. **Kaku Igaku** 1987 Jan; 24(1):7–14 (Eng. Abstr.) **(Jpn)**

[Scintigraphy of cerebral blood flow with N-isopropyl-p-(I-123)-iodoamphetamine in brain tumors] Sawada A, et al. **Kaku Igaku** 1986 Nov;23(11):1633–8 **(Jpn)**

[Clinical experience of N-isopropyl-p-[123I] iodoamphetamine imaging in a case of brain death] Taguchi M, et al. **Kaku Igaku** 1986 Oct;23(10):1473–8 **(Jpn)**

[Correlation between tumor blood flow and sequential 123-I-IMP images in brain tumors] Tsuchiya T, et al. **Kaku Igaku** 1987 Mar;24(3):309–13 (Eng. Abstr.) **(Jpn)**

[Clinical experience of scintigraphy with I-131-metaiodobenzylguanidine in neuroblastoma] Tsukamoto E, et al. **Kaku Igaku** 1986 Jul;23(7):959–65 **(Jpn)**

[Diagnosis of pheochromocytoma by I-131-metaiodobenzylguanidine (I-131-MIBG) scintigraphy] Tsukamoto E, et al. **Kaku Igaku** 1986 Aug; 23(8):1055–62 (Eng. Abstr.) **(Jpn)**

[Biodistribution of N-isopropyl-p-iodoamphetamine] Hoshi H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Mar 25;47(3):497–514 (Eng. Abstr.) **(Jpn)**

[Visualization of adrenocortical carcinoma with 131I-adosterol] Maruoka S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Jan 25; 47(1):57–63 (Eng. Abstr.) **(Jpn)**

[Regional cerebral blood flow measurement by N-isopropyl-p-[123I] iodoamphetamine: a comparison with X-ray CT findings in hemiplegic patients] Konishi Y, et al. **No To Hattatsu** 1987 May;19(3):198–203 (Eng. Abstr.) **(Jpn)**

[Brain imaging with emission computed tomography and N-isopropyl-p-[123I]-iodoamphetamine; technical aspects] Jia SW, et al. **Radioisotopes** 1986 Jul;35(7):383–6 **(Jpn)**

[Study of a two-dimensional filter in SPECT cerebral blood flow imaging using N-isopropyl-p-[123I]-iodoamphetamine] Yanagimoto S, et al. **Radioisotopes** 1986 Jul;35(7):387–90 **(Jpn)**

[Brain imaging with N-isopropyl-p-[123 I] iodoamphetamine] Kusakabe K, et al. **Rinsho Hoshasen** 1986 Jun;31(6):677–83 (Eng. Abstr.) **(Jpn)**

[131I-meta-iodobenzylguanidine (MIBG) for the detection and therapy of pheochromocytoma and neuroblastoma] Nakajo M, et al. **Rinsho Hoshasen** 1987 Apr;32(4):461–70 (Eng. Abstr.) **(Jpn)**

[Dynamic scintigraphy of the liver using 131I-rose bengal and the bile acid content of the blood following gastrectomy for cancer] Lekhtman AM, et al. **Med Radiol (Mosk)** 1987 Mar;32(3):35–8 (Eng. Abstr.) **(Rus)**

[Kidney function of amyloidosis patients studied by radioisotope renography using 131I-hippuran] Mukharliamova LIu, et al. **Ter Arkh** 1986;58(8):55–7 (Eng. Abstr.) **(Rus)**

[Importance of gammagraphy using 131I-metaiodobenzylguanidine in the follow-up of neuroblastomas. Apropos of a case] Ferris Tortajada J, et al. **An Esp Pediatr** 1986 Sep;25(3):209–11 **(Spa)**

[131I-metaiodobenzylguanidine: diagnostic and therapeutic value] Simó R, et al. **Med Clin (Barc)** 1986 Nov 1; 87(14):597–601 **(Spa)**

METABOLISM

Rapid enzymatic degradation of [125I] (Tyr 10) FGF (1–10) by serum in vitro and involvement in the determination of circulating FGF by RIA. Gauthier T, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):775–81

Photolabeling of protein components in the pactamycin binding site of rat liver ribosomes. Synetos D, et al. **Biochim Biophys Acta** 1986 Dec 18;868(4):249–53

Effect of reserpine on salivary gland radioiodine uptake in thyroid cancer. Levy HA, et al. **Clin Nucl Med** 1987 Apr; 12(4):303–7

Thyrotoxicosis caused by functioning metastatic thyroid carcinoma. A rare and elusive cause of hyperthyroidism with low radioactive iodine uptake. Ober KP, et al. **Clin Nucl Med** 1987 May;12(5):345–8

Elimination of 131I in meadow voles (Microtus pennsylvanicus) measured by whole-body gamma spectrometry. Levy CK, et al. **Health Phys** 1987 Apr; 52(4):481–3

Changing pattern of normal thyroid radioiodine uptake in Delhi. Prakash R, et al. **Indian J Med Res** 1986 Jun; 83:587–90

Procurement of radioiodinated glucose derivative and its biological character. Magata Y, et al. **Int J Rad Appl Instrum [B]** 1987;14(1):7–13

Radiation dosimetry from breast milk excretion of iodine-123 [letter] Blue PW, et al. **J Nucl Med** 1987 Apr;28(4):544–5

Iodine-131 thyroid uptake results in travelers returning from Europe after the Chernobyl accident. Castronovo FP Jr. **J Nucl Med** 1987 Apr;28(4):535–41

Radiation dosimetry from breast milk excretion of radioiodine and pertechnetate. Hedrick WR, et al. **J Nucl Med** 1986 Oct;27(10):1569–71

Suppression by perchlorate of technetium-99m and iodine-123 secretion in milk of lactating goats. Mountford PJ, et al. **J Nucl Med** 1987 Jul;28(7):1187–91

Transfer of gaseous iodine to rice plants. Nakamura Y, et al. **J Radiat Res (Tokyo)** 1986 Jun;27(2):171–82

Kinetics of uptake, retention, and radiotoxicity of 125IUdR in mammalian cells: implications of localized energy

deposition by Auger processes. Kassis AI, et al. **Radiat Res** 1987 Jan;109(1):78–89

Characterization of radioactivity in plasma after intraduodenal administration of 131I-labelled human cationic trypsin. Bobe M, et al. **Scand J Gastroenterol [Suppl]** 1986;126:21–4

[Iodine 131: biokinetics, radiation exposure and risk assessment with reference to the reactor accident at Chernobyl] Moser E, et al. **ROFO** 1987 Jun;146(6):711–6 (Eng. Abstr.) **(Ger)**

[Dosimetric characteristics of internal irradiation with radioactive nuclides of iodine] Stepanenko VF, et al. **Med Radiol (Mosk)** 1987 Jun;32(6):45–9 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

HLA-DR3 and DRw6: prognostic factors for the incidence of hypothyroidism in Graves' disease after radioiodine treatment. Althaus B, et al. **Acta Endocrinol (Copenh)** 1986 Nov;113(3):323–8

Compensated 131I-therapy of solitary autonomous thyroid nodules: effect on thyroid size and early hypothyroidism. Hegedüs L, et al. **Acta Endocrinol (Copenh)** 1986 Oct; 113(2):226–32

Is preoperative computed tomography necessary in the management of patients treated for carcinoma of the prostate by 125iodine interstitial implantation and bilateral pelvic lymphadenectomy? Nobler MP, et al. **Am J Clin Oncol** 1987 Feb;10(1):50–4

Effect of intrahepatic arterial infusion of 131I-labelled lipiodol on hepatocellular carcinoma of rat. Tsai C, et al. **Ann Acad Med Singapore** 1986 Oct;15(4):521–4

Radioiodine for Graves' disease [letter] Glinoer D. **Ann Intern Med** 1987 Apr;106(4):637

Selection of iodine 125 for the Collaborative Ocular Melanoma Study. Earle J, et al. **Arch Ophthalmol** 1987 Jun; 105(6):763–4

Thyroid suppression and medical ablation for differentiated thyroid cancer. Dunn JT. **Arch Otolaryngol Head Neck Surg** 1986 Nov; 112(11):1207–9

Thyroid suppression and radioiodine treatment for differentiated thyroid cancer [letter] Rösler H. **Arch Otolaryngol Head Neck Surg** 1987 Jul;113(7):778–9

Metastatic differentiated carcinoma of the thyroid and radioiodine. Andrews JT, et al. **Australas Radiol** 1987 Feb; 31(1):41–6

The evaluation of radioiodine therapy for thyroid patients using a fixed-dose regime. Ratcliffe GE, et al. **Br J Radiol** 1986 Nov;59(707):1105–7

Limitations to the killing of tumours using radiolabelled antibodies. Vaughan AT, et al. **Br J Radiol** 1987 Jun; 60(714):567–72

Malignant struma ovarii treated by ovariectomy, thyroidectomy, and 131I administration. Willemse PH, et al. **Cancer** 1987 Jul 15;60(2):178–82

Serial thyroid iodine content in hyperthyroid patients treated with radioiodine. Lee GS, et al. **Clin Nucl Med** 1986 Feb; 11(2):115–8

Radioiodine therapy of hyperthyroidism precludes thallium-201 myocardial scintigraphy. Orzel JA, et al. **Clin Nucl Med** 1987 Feb;12(2):110–2

Murine model for intracellular therapeutic radiation of metastatic melanoma. Hill AS, et al. **Curr Surg** 1987 Mar-Apr;44(2):132–4

131-Metaiodobenzylguanedine therapy of neuroblastoma in childhood. One year of therapeutic experience. Schwabe D, et al. **Eur J Pediatr** 1987 May;146(3):246–50

Iodine-131-labeled diphosphonates for the palliative treatment of bone metastases—III. Considerations of interaction, binding and absorbed dose. Eisenhut M, et al. **Int J Rad Appl Instrum [A]** 1986;37(8):741–7

Influence of initial large dose on subsequent uptake of therapeutic radioiodine in thyroid cancer patients. Jeevanram RK, et al. **Int J Rad Appl Instrum [B]** 1986; 13(3):277–9

Changes of the blood lymphocyte population following 131I treatment for nodular goiter. Blomgren H, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb;13(2):209–15

Preoperative irradiation, lymphadenectomy, and 125iodine implantation for patients with localized carcinoma of the prostate. DeLaney TF, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1779–85

Multi-modality treatment of primary nonresectable intrahepatic cholangiocarcinoma with 131I anti-CEA—a Radiation Therapy Oncology Group Study. Stillwagon GB, et al. **Int J Radiat Oncol Biol Phys** 1987 May; 13(5):687–95

Radioimmunodetection and radioimmunotherapy of cutaneous T cell lymphomas using an 131I-labeled monoclonal antibody: an Illinois Cancer Council Study. Rosen ST, et al. **J Clin Oncol** 1987 Apr;5(4):562–73

On a method of dosimetry planning and implantation of 125I for interstitial irradiation of malignant gliomas. Eddy MS, et al. **J Neurooncol** 1986;4(2):131–9

Prostate biopsy after definitive treatment by interstitial 125iodine implant or external beam radiation therapy. Schellhammer PF, et al. **J Urol** 1987 May;137(5):897–901

Monte Carlo simulation of the dose distribution around 125I seeds. Burns GS, et al. **Med Phys** 1987 May-Jun; 14(3):420–4

Use of iodine-131-labeled anti-immune response-associated monoclonal antibody as preparative regimen prior to bone marrow transplantation: initial dosimetry. Appelbaum FR, et al. **NCI Monogr** 1987;(3):67–71

Brachytherapy of recurrent tumors of the skull base and spine with iodine-125 sources. Gutin PH, et al. **Neurosurgery** 1987 Jun;20(6):938–45

Postradiation biopsy and histological effects in early-stage prostatic cancer treated with 125iodine implants. Kandzari SJ, et al. **Prostate** 1986;9(4):319–26

Lung tumors: percutaneous implantation of I-125 sources with CT treatment planning. Heelan RT, et al. **Radiology** 1987 Sep;164(3):735–40

Which RBE for iodine 125 in clinical applications? Scalliet P, et al. **Radiother Oncol** 1987 Jul;9(3):221–30 (39 ref.)

A computer program for I-125 seed implant. Heikkonen J, et al. **Strahlenther Onkol** 1987 Jan;163(1):29–31

The late effect of subtotal thyroidectomy and radioactive iodine therapy on calcitonin secretion and bone mineral density in women treated for Graves' disease. Lowery WD, et al. **Surgery** 1986 Dec;100(6):1142–9

[Comparison of 30mCi and higher doses of iodine-131 for postoperative thyroid remnant ablation] Liu RT, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 May;86(5):524–8 (Eng. Abstr.) **(Chi)**

[Treatment of hyperthyroidism: who is afraid of radioactive iodine?] Doorenbos H. **Ned Tijdschr Geneeskd** 1986 Oct 25;130(43):1923–6 **(Dut)**

[Iodine-131 therapy of autonomous adenoma of the thyroid. 7-year results] Heinze HG, et al. **Dtsch Med Wochenschr** 1987 Jul 3;112(27):1073–9 (Eng. Abstr.) **(Ger)**

[Metastases of a medullary carcinoma of the thyroid (follicular variant). Diagnosis and therapy using radioiodine] Ruhlmann J, et al. **Dtsch Med Wochenschr** 1987 Jul 24;112(30):1170–2 (Eng. Abstr.) **(Ger)**

[Radioactivity levels of the air inhaled by personnel of a radioiodine therapy unit] Krześniak JW, et al. **Nuklearmedizin** 1987 Jun;26(3):143–6 (Eng. Abstr.) **(Ger)**

[Radioiodine therapy in hyperthyroidism: reliability of a long-term follow-up scheme for the diagnosis and treatment of hyperthyroidism based on the family physician and on a central registry] Wyler B, et al. **Schweiz Med Wochenschr** 1986 Sep 6;116(36):1198–204 (Eng. Abstr.) **(Ger)**

[Interstitial brachycurietherapy of ENT tumors] Thiel HJ, et al. **Sonderb Strahlenther Onkol** 1987;81:69–89 **(Ger)**

[Dosimetry of the hematopoietic system in radioiodine therapy of thyroid cancer] Günter HH, et al. **Strahlenther Onkol** 1987 Mar;163(3):185–91 (Eng. Abstr.) **(Ger)**

[131I antiferritin in the treatment of hepatoma and Hodgkin's disease (editorial)] Cohen Y, et al. **Harefuah** 1986 Dec 1; 111(11):398–9 **(Heb)**

[Metabolic therapy with radioiodine of differentiated thyroid tumor] Bestagno M, et al. **Minerva Med** 1986 Nov 17; 77(44):2113–6 **(Ita)**

[Advanced thyroid carcinoma—possible induction of the host's antitumor immunological response by 131I therapy] Sugenoya A, et al. **Gan No Rinsho** 1986 Dec;32(15):1981–4 (Eng. Abstr.) **(Jpn)**

[Clinical experience with radioiodine treatment of differentiated thyroid carcinoma] Ikekubo K, et al. **Kaku Igaku** 1986 Nov;23(11):1625–32 **(Jpn)**

[Effective I-131 therapy in metastasis of thyroid cancer to the cervical vertebrae; a case report] Fujiwara K, et al. **Rinsho Hoshasen** 1986 Sep;31(9):1045–8 (Eng. Abstr.) **(Jpn)**

[Use of I-131-meta-iodobenzylguanidine in the treatment of malignant pheochromocytoma. Description of 2 cases] Jakubowski W, et al. **Pol Tyg Lek** 1986 Oct 27; 41(43):1386–8 **(Pol)**

[Parotid gland function following radioiodine therapy of thyroid cancer based on data from radionuclide sialoscintigraphy] Sorokin IN, et al. **Stomatologiia (Mosk)** 1987 Mar-Apr;66(2):50–2 (Eng. Abstr.) **(Rus)**

[Diffuse toxic goiter treated with 131I. 30 years' experience] Rosas Guzmán J, et al. **Rev Invest Clin** 1987 Jan-Mar; 39(1):11–8 (Eng. Abstr.) **(Spa)**

[Absence of fetal hypothyroidism despite the therapeutic use of 131I during pregnancy] Becker P, et al. **Rev Med Chil** 1986 Apr;114(4):343–5 (Eng. Abstr.) **(Spa)**

[The autonomous thyroid nodule: results of treatment with radioiodine] Schachter D, et al. **Rev Med Chil** 1986 Mar; 114(3):228–31 (Eng. Abstr.) **(Spa)**

TOXICITY

Genealogical memory to perinatal iodine-131 exposure in rats: I. Alteration in natural immunity. Stevens RH, et al. **Anticancer Res** 1986 Sep-Oct;6(5):925–30

IODIPAMIDE

ANALOGS & DERIVATIVES

Computed tomographic enhancement of liver and spleen in the dog with iodipamide ethyl ester particulate suspensions. Sands MS, et al. **Invest Radiol** 1987 May;22(5):408–16

IODIZED OILS

Intraarterial injection of anti-tumor drugs dispersed in lipid contrast medium: a choice for initially unresectable hepatoblastoma in infants. Ogita S, et al. **J Pediatr Surg** 1987 May;22(5):412–4

ADMINISTRATION & DOSAGE

Reduction of hepatic metastases in rabbits by administration of an oily anticancer agent into the portal vein. Yamasaki K, et al. **Cancer Res** 1987 Feb 1;47(3):852–5

Distribution of iodized oil within the liver after hepatic arterial injection. Miller DL, et al. **Radiology** 1987 Mar; 162(3):849–52

Hepatocellular carcinoma: treatment with intraarterial iodized oil with and without chemotherapeutic agents. Takayasu K, et al. **Radiology** 1987 May;163(2):345–51

[Targeting chemotherapy of hepatocellular carcinoma by arterial administration of anticancer agents dissolved in lipiodol] Konno T. **Gan To Kagaku Ryoho** 1987 Feb; 14(2):373–80 (Eng. Abstr.) **(Jpn)**

[Oily chemoembolization of hepatoma] Nakamura H, et al. **Gan To Kagaku Ryoho** 1987 Feb;14(2):381–7 (Eng. Abstr.) **(Jpn)**

[Prevention of hepatic metastases in rabbits by administration of an oily anticancer agent into the portal vein] Yamasaki K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1224–8 (Eng. Abstr.) **(Jpn)**

[Chemoembolization therapy with cisplatin.lipiodol (CDDP.lipiodol) in primary liver cancer—with special reference to hepatocellular carcinoma] Yodono H, et al. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3476–82 (Eng. Abstr.) **(Jpn)**

[Effect of arterial injection of lipiodol-adriamycin emulsion on hepatocellular carcinoma] Sonoyama T, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 May 20;21(4):773–9 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

[Pulmonary microlithiasis following iodine lipiodol lymphography?] Tiedjen KU, et al. **Radiologe** 1986 Oct; 26(10):460–3 (Eng. Abstr.) **(Ger)**

[High resolution CT of the lung after lymphangiography] Sasai K, et al. **Rinsho Hoshasen** 1987 Jan;32(1):45–9 **(Jpn)**

[Myelopathy due to intercostal artery embolization with lipiodol: a case report] Uchino A, et al. **Rinsho Hoshasen** 1987 Apr;32(4):531–3 (Eng. Abstr.) **(Jpn)**

[Stevens-Johnson syndrome as a complication of bronchography] Pogozhev MIu. **Klin Med (Mosk)** 1986 Dec;64(12):113–5 **(Rus)**

DIAGNOSTIC USE

Iodine-131-labeled lipiodol retention within hepatic cavernous hemangioma [letter] Park CH, et al. **Radiology** 1987 Apr;163(1):283–4

[Hepatic arterial lipiodolization and x-ray computed tomography diagnosis of malignant liver tumors. Experience apropos of 33 cases] Puech JL, et al. **Ann Radiol (Paris)** 1987;30(3):193–201 (Eng. Abstr.) **(Fre)**

[Lipiodolized angiography in hepatocellular carcinomas. Contribution of iodine-131-labelled lipiodol] Raoul JL, et al. **J Radiol** 1986 Nov;67(11):797–801 (Eng. Abstr.) **(Fre)**

[Diagnostic value of CT with hepatic arterial infusion of lipiodol (Lp-CT) for detection of daughter nodules of hepatocellular carcinoma—comparison with CT during arterial portography] Ohishi H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Jul 25; 46(7):903–5 (Eng. Abstr.) **(Jpn)**

METABOLISM

[Distribution, accumulation and excretion of Lipiodol Ultra-Fluid (LUF) following intra-arterial administration into the tumor-free liver. A computed tomography study] Hoevels J. **Rontgenpraxis** 1987 Jun;40(6):215–9 **(Ger)**

THERAPEUTIC USE

Effect of intrahepatic arterial infusion of 131I-labelled lipiodol on hepatocellular carcinoma of rat. Tsai C, et al. **Ann Acad Med Singapore** 1986 Oct;15(4):521–4

Long-term effect of iodized oil on serum thyroglobulin levels in endemic goitre patients. Lima N, et al. **Clin Endocrinol (Oxf)** 1986 Jun;24(6):635–41

A controlled trial of iodinated oil for the prevention of endemic cretinism: a long-term follow-up. Pharoah PO, et al. **Int J Epidemiol** 1987 Mar;16(1):68–73

Iodized oil treatment for endemic goiter does not induce the surge of positive serum concentrations of anti-thyroglobulin or anti-microsomal autoantibodies. Knobel M, et al. **J Endocrinol Invest** 1986 Aug;9(4):321–4

IODOACETAMIDE see under **IODOACETATES**

IODOACETATES

The excimer fluorescence of N-(1-pyrenyl)iodoacetamide labeled to myosin and its subfragment 1. Ikkai T, et al.

FEBS Lett 1986 Oct 20;207(1):177–80

METABOLISM

Chemical modification and fluorescence labeling study of Ca2+,Mg2+-adenosine triphosphatase of sarcoplasmic reticulum using iodoacetamide and its N-substituted derivatives. Baba A, et al. **J Biochem (Tokyo)** 1986 Nov; 100(5):1137–47

Reactive sulfhydryl groups of sarcoplasmic reticulum ATPase. II. Site of labeling with iodoacetamide and its fluorescent derivative. Yamashita T, et al. **J Biochem (Tokyo)** 1987 Feb;101(2):377–85

PHARMACODYNAMICS

Effects of metabolic inhibitors on hormone release, cyclic AMP levels, and oxygen consumption in rat pituitary cells in culture. Sletholt K, et al. **Acta Endocrinol (Copenh)** 1987 May;115(1):96–104

Translational repression by chemical inducers of the stress response occurs by different pathways. Duncan RF, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):651–61

NADPH-dependent generation of a cytosolic dithiol which activates hepatic iodothyronine 5'-deiodinase. Demonstration by alkylation with iodoacetamide. Das AK, et al. **Biochem J** 1986 Dec 1;240(2):559–66

Active site modifications quench intrinsic fluorescence of rhodanese by different mechanisms. Cannella C, et al. **Biochemistry** 1986 Nov 18;25(23):7319–23

Nucleotide-induced change of the interaction between the 20- and 26-kilodalton heavy-chain segments of myosin adenosinetriphosphatase revealed by chemical cross-linking via the reactive thiol SH2. Hiratsuka T. **Biochemistry** 1987 Jun 2;26(11):3168–73

Peroxidative membrane damage in human erythrocytes induced by a concerted action of iodoacetate, vanadate and ferricyanide. Heller KB, et al. **Biochim Biophys Acta** 1987 Jul 10;901(1):67–77

L-[3H]lysine binding to rat retinal membrane: II. Effect of kainic acid, D,L-alpha-aminoadipic acid, iodoacetic acid, and modification by dark-exposure. Piccoli F, et al. **Neurochem Res** 1986 Dec;11(12):1719–26

IODOBENZENES

Hydrophobic labelling of spectrin in erythrocytes using arylisothiocyanates. Sikorski AF, et al. **Biomed Biochim Acta** 1987;46(1):75–82

[Biomimetic oxidation of Antergan by iodylbenzene] Barret R, et al. **Pharmazie** 1987 Feb;42(2):132 **(Fre)**

ANALYSIS

[Improvement of the solubility behavior of problem drugs. 9. In vitro absorption studies using melting solidification products of iomeglamic acid] Fahr F, et al. **Pharmazie** 1986 Dec;41(12):855–6 (Eng. Abstr.) **(Ger)**

[Improvement of the dissolution behavior of problem drugs. 11. DTA iomeglamic-PVP 25 copreciptates] Fahr F, et al. **Pharmazie** 1986 Jul;41(7):517 **(Ger)**

CHEMICAL SYNTHESIS

Synthesis of 15-(p-iodophenyl) pentadecanoic acid labelled with carbon-14. Le Bars D, et al. **Int J Rad Appl Instrum [A]** 1986;37(3):256–7

Fast high-yield labelling and quality control of [123I]- and [131I]MIBG. Verbruggen RF. **Int J Rad Appl Instrum [A]** 1987;38(4):303–4

Procurement of radioiodinated glucose derivative and its biological character. Magata Y, et al. **Int J Rad Appl Instrum [B]** 1987;14(1):7–13

Radioactive iodine exchange reaction of HIPDM: kinetics and mechanism. Lui B, et al. **J Nucl Med** 1987 Mar; 28(3):360–5

DIAGNOSTIC USE

The behavior of Pantopaque on MR: in vivo and in vitro analysis. Braun IF, et al. **AJNR** 1986 Nov–Dec; 7(6):997–1001

Pantopaque on MR [letter] Mamourian AC, et al. **AJNR** 1987 May–Jun;8(3):571–2

Single photon emission tomographic brain images in dementia of the Alzheimer type [letter] Hendrie HC, et al. **Am J Psychiatry** 1987 Mar;144(3):387–8

Iodine 123-phenylpentadecanoic acid myocardial scintigraphy: usefulness in the identification of myocardial ischemia. Kennedy PL, et al. **Circulation** 1986 Nov; 74(5):1007–15

A follow-up study using iodine-131 metaiodobenzylguanidine imaging in a patient with neuroblastoma. Ikekubo K, et al. **Clin Nucl Med** 1986 Nov; 11(11):777–80

Demonstration of pulmonary mass defect by iodine-123 N,N,N trimethyl-N [2-hydroxy-3-methyl-5-iodobenzyl]-1,3-propanediamine lung imaging. Shih WJ, et al. **Clin Nucl Med** 1986 Sep;11(9):632–3

Primary extra-adrenal pheochromocytoma: positive I-123 MIBG imaging with negative I-131 MIBG imaging. Shulkin BL, et al. **Clin Nucl Med** 1986 Dec;11(12):851–4

Imaging and uptake mechanism of 131I-meta-iodobenzylguanidine in medullary thyroid carcinoma. Oishi S, et al. **Endocrinol Jpn** 1986 Jun; 33(3):309–15

Evaluation of the metabolism in rat hearts of two new radioiodinated 3-methyl-branched fatty acid myocardial imaging agents. Ambrose KR, et al. **Eur J Nucl Med** 1987; 12(10):486–91

Visualization of a ganglioneuroma by means of scintigraphy with 131-I-MIBG. Caballero O, et al. **Eur J Nucl Med** 1986;12(7):351–2

Structurally modified fatty acids: clinical potential as tracers of metabolism. Dudczak R, et al. **Eur J Nucl Med** 1986; 12 Suppl:S45–8

The role of I-131-MIBG in the diagnosis and therapy of carcinoids. Hoefnagel CA, et al. **Eur J Nucl Med** 1987; 13(4):187–91

New radioiodinated methyl-branched fatty acids for cardiac studies. Knapp FF Jr, et al. **Eur J Nucl Med** 1986;12 Suppl:S39–44

New high yield Cu(I) assisted 123I radioiodination of 15(p-I-phenyl)-9-methyl pentadecanoic acid, a potential myocardial tracer. Mertens J, et al. **Eur J Nucl Med** 1987; 13(3):159–60

Effect of myocardial perfusion and metabolic interventions on cardiac kinetics of phenylpentadecanoic acid (IPPA) I 123. Reske SN, et al. **Eur J Nucl Med** 1986;12 Suppl:S27–31

VMA-negative, MIBG scan-positive neuroblastoma in children [letter] Miceli A, et al. **Eur J Pediatr** 1986 Sep; 145(4):325

Crossed cerebellar diaschisis in patients with cerebral ischemia assessed by SPECT and 123I-HIPDM. Pantano P, et al. **Eur Neurol** 1987;27(3):142–8

Radioiodinated iodobenzylguanidines for diagnosis and therapy. McEwan AJ, et al. **Int J Rad Appl Instrum [A]** 1986;37(8):765–75 (60 ref.)

Experience with I-131-metaiodobenzylguanidine (MIBG): a retrospective study. Chan R, et al. **J Can Assoc Radiol** 1987 Mar;38(1):35–9

Imaging of medullary thyroid carcinoma and hyperfunctioning adrenal medulla using iodine-131 metaiodobenzylguanidine. Ansari AN, et al. **J Nucl Med** 1986 Dec;27(12):1858–60

Quantitation of iodine-123 MIBG uptake by normal adrenal medulla in hypertensive patients. Bomanji J, et al. **J Nucl Med** 1987 Mar;28(3):319–24

Acetazolamide enhancement of HIPDM brain flow distribution imaging. Burt RW, et al. **J Nucl Med** 1986 Oct;27(10):1627–31

Iodine-131 metaiodobenzylguanidine scintigraphy of carcinoid tumors. Feldman JM, et al. **J Nucl Med** 1986 Nov;27(11):1691–6

Radionuclide diagnosis and therapy of neural crest tumors using iodine-131 metaiodobenzylguanidine. Hoefnagel CA, et al. **J Nucl Med** 1987 Mar;28(3):308–14

Localization and treatment of familial malignant nonfunctional paraganglioma with iodine-131 MIBG: report of two cases. Khafagi F, et al. **J Nucl Med** 1987 Apr;28(4):528–31

Technetium-99m-d, l-HM-PAO: a new radiopharmaceutical for imaging regional brain perfusion using SPECT—a comparison with iodine-123 HIPDM. Leonard JP, et al. **J Nucl Med** 1986 Dec;27(12):1819–23

Iodine-131 MIBG uptake in a small cell carcinoma of the lung [letter] Nakajo M, et al. **J Nucl Med** 1986 Nov; 27(11):1785–6

Iodine-123 HIPDM brain imaging findings in subacute spongiform encephalopathy (Creutzfeldt-Jakob disease). Shih WJ, et al. **J Nucl Med** 1987 Sep;28(9):1484–7

Iodine-131 MIBG scintigraphy of the extremities in metastatic pheochromocytoma and neuroblastoma. Shulkin BL, et al. **J Nucl Med** 1987 Mar;28(3):315–8

Failure of iodine-131 MIBG imaging in small cell lung carcinoma [letter] Vincent MD, et al. **J Nucl Med** 1987 Jul;28(7):1230

Iodine-131 MIBG scintigraphy of neuroendocrine tumors other than pheochromocytoma and neuroblastoma. Von Moll L, et al. **J Nucl Med** 1987 Jun;28(6):979–88

131I-MIBG uptake in a pelvic metastasis of sporadic thyroid medullary cancer. Modigliani U, et al. **J Nucl Med Allied Sci** 1987 Apr-Jun;31(2):223–5

Single photon emission computed tomography (SPECT) brain imaging using N,N,N'-trimethyl-N'-(2 hydroxy-3-methyl-5-123I-iodobenzyl)-1,3-propanediamine 2 HCl (HIPDM): intractable complex partial seizures. Lee BI, et al. **Neurology** 1986 Nov; 36(11):1471–7

15-(ortho-123I-phenyl)-pentadecanoic acid, a new myocardial imaging agent for clinical use. Antar MA, et al. **Nucl Med Commun** 1986 Sep;7(9):683–96

Imaging of metastatic medullary carcinoma of the thyroid with 131I-meta-iodobenzyl guanidine [letter] Roland J, et al. **Nucl Med Commun** 1986 Oct;7(10):791–2

131I-meta-iodobenzylguanidine scintigraphy in patients with neuroblastoma. Hibi S, et al. **Pediatr Radiol** 1987; 17(4):308–13

Carcinoid tumors: CT and I-131 meta-iodo-benzylguanidine scintigraphy. Adolph JM, et al. **Radiology** 1987 Jul; 164(1):199–203

Intracranial tumors: unexpected uptake of I-123 HIPDM. McVeigh MC, et al. **Radiology** 1986 Nov;161(2):409–11

Pheochromocytoma and paraganglioma: comparison of MR imaging with CT and I-131 MIBG scintigraphy. Quint LE, et al. **Radiology** 1987 Oct;165(1):89–93

Evaluation of a new adrenomedullary imaging agent: 131I-meta-iodobenzylguanidine (131I-MIBG). I: Experimental studies on animals. Troncone L, et al. **Rays** 1985 May-Aug;10(2):117–24

Paraganglioma of urinary bladder, visualization with 131I-MIBG scintigraphy. Sakashita S, et al. **Urol Int** 1987; 42(3):237–40

[Scintigraphic diagnosis of pheochromocytoma] Nielsen SL, et al. **Ugeskr Laeger** 1986 Nov 17;148(47):3146–7 (Eng. Abstr.) **(Dan)**

[131meta-iodobenzyl-guanidine scintigraphy of neuroblastomas] Schmiegelow K, et al. **Ugeskr Laeger** 1987 Jun 8;149(24):1605–8 (Eng. Abstr.) **(Dan)**

[Comparison of MIBG scintigraphy and computerized tomography in the localization of pheochromocytomas] Charbonnel B, et al. **Arch Mal Coeur** 1986 Jun;79(6):980–4 (Eng. Abstr.) **(Fre)**

[Results of scintigraphy with m-[123I]iodobenzylguanidine in neuroblastoma in children] Ythier H, et al. **Int J Rad Appl Instrum [B]** 1987;14(2):107–12 (Eng. Abstr.) **(Fre)**

[Detection by scintigraphy with meta-iodobenzylguanidine of a subclinical tumoral thyroid nodule in Sipple's syndrome (letter)] Gallet M, et al. **Presse Med** 1986 Jul 5–12;15(27):1282 **(Fre)**

[Use of scintigraphy with m-iodobenzylguanidine in the diagnosis and localization of pheochromocytomas] Derèse C, et al. **Rev Med Liege** 1987 Apr 1;42(7):275–84 **(Fre)**

[Diagnosis, monitoring and therapy of neuroblastoma using I-131 meta-iodobenzylguanidine] Melino G, et al. **Minerva Pediatr** 1986 Dec 31;38(23-24):1083–93 (Eng. Abstr.) **(Ita)**

[Possibility of using 131I-meta-iodobenzylguanidine in the diagnosis of neuroendocrine tumors differing from pheochromocytomas] Troncone L, et al. **Radiol Med (Torino)** 1986 Dec;72(12):963–8 (Eng. Abstr.) **(Ita)**

[Diagnostic efficacy of m-[131I] iodobenzylguanidine (I-131 MIBG) scintigraphy in locating pheochromocytoma: comparison with computed tomography and ultrasonography] Sakai M, et al. **Kaku Igaku** 1987 Jan; 24(1):7–14 (Eng. Abstr.) **(Jpn)**

[Clinical experience of scintigraphy with I-131-metaiodobenzylguanidine in neuroblastoma] Tsukamoto E, et al. **Kaku Igaku** 1986 Jul;23(7):959–65 **(Jpn)**

[Diagnosis of pheochromocytoma by I-131-metaiodobenzylguanidine (I-131-MIBG) scintigraphy] Tsukamoto E, et al. **Kaku Igaku** 1986 Aug; 23(8):1055–62 (Eng. Abstr.) **(Jpn)**

[131I-metaiodobenzylguanidine scintigraphy for the detection of pheochromocytoma] Koizumi M, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Jul 25; 46(7):946–52 (Eng. Abstr.) **(Jpn)**

[A case of multiple extra-adrenal pheochromocytoma diagnosed by [131I] meta-iodobenzylguanidine [(131I] MIBG) scintigraphy and nuclear magnetic resonance (NMR)] Sasaki J, et al. **Nippon Naika Gakkai Zasshi** 1986 Aug;75(8):1102–8 **(Jpn)**

[131I-meta-iodobenzylguanidine (MIBG) for the detection and therapy of pheochromocytoma and neuroblastoma] Nakajo M, et al. **Rinsho Hoshasen** 1987 Apr;32(4):461–70 (Eng. Abstr.) **(Jpn)**

[Morphofunctional characteristics of the liver in arterial hepatography with maiodil] Ganichkin AM, et al. **Farmakol Toksikol** 1987 Mar-Apr;50(2):76–8 (Eng. Abstr.) **(Rus)**

[131I-MIBG-meta-iodobencylguanidine (131I-MIBG) in the study of neuroblastoma] Ferris J, et al. **An Esp Pediatr** 1987 Mar;26(3):164–70 (Eng. Abstr.) **(Spa)**

[Importance of gammagraphy using 131I-metaiodobenzylguanidine in the follow-up of neuroblastomas. Apropos of a case] Ferris Tortajada J, et al. **An Esp Pediatr** 1986 Sep;25(3):209–11 **(Spa)**

[Use of 131-metaiodobenzylguanidine in the diagnosis and treatment of malignant pheochromocytomas] Carreño Hernández MC, et al. **Med Clin (Barc)** 1986 Sep 20; 87(8):330–3 (Eng. Abstr.) **(Spa)**

[131I-metaiodobenzylguanidine: diagnostic and therapeutic value] Simó R, et al. **Med Clin (Barc)** 1986 Nov 1; 87(14):597–601 **(Spa)**

[131-I-MIBG and sporadic medullary carcinoma of the thyroid (letter)] Estopiñán V, et al. **Rev Clin Esp** 1987 Feb; 180(3):174–5 **(Spa)**

[Unsuspected pheochromocytoma and m-iodobenzylguanidine. Correlation between the levels of catecholamines and arterial hypertension (letter)] Gilsanz F. **Rev Esp Anestesiol Reanim** 1987 Mar-Apr;34(2):161–2 **(Spa)**

METABOLISM

Sodium dependency of uptake of norepinephrine and m-iodobenzylguanidine into cultured human pheochromocytoma cells: evidence for uptake-one. Jaques S Jr, et al. **Cancer Res** 1987 Aug 1;47(15):3920–8

Problem with mouse neuroblastoma for iodine-131 MIBG studies [letter] Aboul-Enein HY. **J Nucl Med** 1987 Feb; 28(2):255–6

Evaluation of the lung uptake of iodine-131 HIPDM by the single-pass multiple indicator dilution technique in a rabbit model. Abrams DN, et al. **J Nucl Med** 1987 Apr; 28(4):487–94

Uptake of iodine-123 MIBG by pheochromocytomas, paragangliomas, and neuroblastomas: a histopathological comparison. Bomanji J, et al. **J Nucl Med** 1987 Jun; 28(6):973–8

Evaluation of [iodine-125]N,N,N'-trimethyl-N'-[2-hydroxy-3-methyl-5-iodobenzyl]-1,3- propanediamine lung uptake using an isolated-perfused lung model. Slosman DO, et al. **J Nucl Med** 1987 Feb;28(2):203–8

THERAPEUTIC USE

Prolonged treatment of hyperthyroidism with sodium tyropanoate, an oral cholecystographic agent: a re-evaluation of its clinical utility. Noguchi K, et al. **Clin Endocrinol (Oxf)** 1986 Sep;25(3):293–301

Cerebral arterial spasm after subarachnoid hemorrhage. A case report with SPECT and iodine-123 HIPDM. Di Piero V, et al. **Clin Nucl Med** 1987 May;12(5):395–8

131-Metaiodobenzylguanedine therapy of neuroblastoma in childhood. One year of therapeutic experience. Schwabe D, et al. **Eur J Pediatr** 1987 May;146(3):246–50

IODOBENZOATES

ADVERSE EFFECTS

Abnormal nephrogram pattern as an adverse reaction to contrast material. Case report. van Weelde BJ, et al. **Eur J Radiol** 1987 Feb;7(1):70–1

BLOOD

[Changes in plasma binding of ortho-iodobenzoate and ortho-iodohippuran in patients with kidney and liver diseases] Lázníček M, et al. **Cesk Farm** 1987 Apr; 36(3):97–102 (Eng. Abstr.) **(Cze)**

DIAGNOSTIC USE

Knee arthrography: a comparison of iohexol, ioxaglate sodium meglumine, and metrizoate. Obermann WR, et al. **Radiology** 1987 Mar;162(3):729–33

Blood kinetics of a low dose of iodoxamate. Arditi M, et al. **Rays** 1985 Jan–Apr;10(1):81–7

Urography in children with renal failure using different contrast media. Sarperi M, et al. **Rays** 1985 Jan–Apr; 10(1):23–30

[Clinical experience of iotrolan] Ishikawa M, et al. **Nippon Geka Hokan** 1986 May 1;55(3):485–9 (Eng. Abstr.) **(Jpn)**

[CT cisternography and CT ventriculography with iotrolan—diagnostic value and side effects of iotrolan] Tabata H, et al. **Rinsho Hoshasen** 1986 Oct;31(10):1091–6 (Eng. Abstr.) **(Jpn)**

METABOLISM

Reductive dechlorination of 2,4-dichlorobenzoate to 4-chlorobenzoate and hydrolytic dehalogenation of 4-chloro-, 4-bromo-, and 4-iodobenzoate by Alcaligenes denitrificans NTB-1. van den Tweel WJ, et al. **Appl Environ Microbiol** 1987 Apr;53(4):810–5

Characterization of liposomes containing iodine-125-labeled radiographic contrast agents. Zalutsky MR, et al. **Invest Radiol** 1987 Feb;22(2):141–7

Penetration of the brain by nonionic water soluble tri- and hexaiodinated contrast media. Experimental autoradiographic study of two contrast media: Iotrol and Iopamidol labelled with iodine 125. Castel JC, et al. **Neuroradiology** 1987;29(2):206–10

Influence of the spread and period of retention of Iotrolan in the subarachnoid space on the side effects rate in myelography. Hoffmann B, et al. **Neuroradiology** 1987; 29(4):380–4

PHARMACODYNAMICS

Iodinated contrast agents as "radiosensitizers"Dawson P, et al. **Br J Radiol** 1987 Feb;60(710):201–3

Effects of iodine contrast media on the bone marrow colony forming units (CFUs) following X-ray irradiation in mice. Joshima H, et al. **J Radiat Res (Tokyo)** 1986 Sep; 27(3):319–23

TOXICITY

Increased nephrotoxicity caused by combined cholecystography? (Animal experiment). Bor K, et al. **Rays** 1985 Sep–Dec;10(3):61–5

IODOBENZOYLGLYCINE see **IODOHIPPURIC ACID**

IODOCHLORHYDROXYQUIN see under **HYDROXYQUINOLINES**

19-IODOCHOLESTEROL see under **CHOLESTEROL**

IODODEOXYURIDINE see **IDOXURIDINE**

5-IODO-2-DEOXYURIDINE see **IDOXURIDINE**

IODOGORGOIC ACID see **DIIODOTYROSINE**

IODOHIPPURIC ACID

ADMINISTRATION & DOSAGE

Target organ directed drug delivery: evaluation of renal infusion of chromium-51 ethylenediaminetetraacetate and sodium o-[125I]iodohippurate in the Wistar Kyoto rat. Daemen MJ, et al. **J Pharm Sci** 1986 Dec;75(12):1137–40

ANALOGS & DERIVATIVES

N-hydroxysuccinimide-hippuran ester: application for radiolabeling of macro-molecules. Bhargava KK, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):323–8

BLOOD

[Changes in plasma binding of ortho-iodobenzoate and ortho-iodohippuran in patients with kidney and liver diseases] Lázníček M, et al. **Cesk Farm** 1987 Apr; 36(3):97–102 (Eng. Abstr.) **(Cze)**

DIAGNOSTIC USE

Gamma camera renography with 99Tcm-MDP and 131I-Hippuran. Thomsen F, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Sep–Oct;27(5):565–8

A comparison of technetium-99m-thiodiglycolic acid and iodine-123-hippuran in the evaluation of equivocal upper urinary tract obstruction. Bevis CR, et al. **Br J Radiol** 1987 Jul;60(715):661–6

A simplified method for the routine determination of effective renal plasma flow. Floyd JL, et al. **Clin Nucl Med** 1986 Nov;11(11):758–9

Flip-flop phenomenon in radiohippuran renal imaging. A sign of obstructive nephropathy. Shih WJ, et al. **Clin Nucl Med** 1986 Oct;11(10):707–12

Reliability of radionuclide angiography and renography to detect varying degrees of impaired renal artery flow. An animal study. Alazraki N, et al. **Contrib Nephrol** 1987; 56:82–6

Quantitative assessment of the diuresis renogram. Kletter K, et al. **Contrib Nephrol** 1987;56:261–6

Ischemic injury to renal allografts studied by gamma camera technique using 123I-hippuran. Magnusson G, et al. **Contrib Nephrol** 1987;56:178–85

Evaluation of separate renal function with 123I-hippuran in children with reflux uropathy before and after surgery. Produit S, et al. **Contrib Nephrol** 1987;56:243–9

Experimental studies on the renal transfer function for 131I-hippuran and 99mTc-DTPA. Szabó Z, et al. **Contrib Nephrol** 1987;56:71–6

Assessment of renal function and scarring: is a DMSA scan always necessary? Wujanto R, et al. **Contrib Nephrol** 1987; 56:250–5

The sensitivity and specificity of Hippuran renography as a diagnostic investigation of renal transplant rejection. Jørgensen JI, et al. **Dan Med Bull** 1987 Mar;34(1):50–2

The influence of ischemia on 131I-Hippuran renograms performed after kidney transplantation and its prognostic value. Jørgensen JI, et al. **Dan Med Bull** 1987 Mar; 34(1):52–7

Quantitative evaluation of functional renal volume in normal children based on [123I]hippuran gamma camera renography. Carlsen O, et al. **Int J Biomed Comput** 1986 Sep;19(2):119–36

The implications of decreased performance of new generation gamma-cameras on the interpretation of 131I-Hippuran renal images. Zuckier LS, et al. **Nucl Med Commun** 1987 Jan;8(1):49–61

Prognosis of renal transplant function by renography with radioactive hippuran. Riccabona G, et al. **Urologia Invest** 1985–86;9(2):281–5

[Determination of the urinary secretion of beta 2-microglobulin combined with sequential renal scintigraphy using H123 for the early diagnosis of pyelonephritis in children] Di Pietro A, et al. **Pediatr Med Chir** 1986 Jul–Aug;8(4):511–3 (Eng. Abstr.) **(Ita)**

[Importance of radioisotope renography with 131I-hippuran as a screening method in the 1st stage of the dispensary care of patients with high and stable arterial hypertension of unknown origin] Iurenev AP, et al. **Kardiologiia** 1987 Apr;27(4):100–1 **(Rus)**

[Kidney function of amyloidosis patients studied by radioisotope renography using 131I-hippuran] Mukharliamova LIu, et al. **Ter Arkh** 1986;58(8):55–7 (Eng. Abstr.) **(Rus)**

[Radioisotope uroflowmetry] Gotovac J, et al. **Acta Chir Iugosl** 1986;33(1):67–73 (Eng. Abstr.) **(Scr)**

[Regional renal function using dynamic scintigraphy with 131 I-hippuran in children with vesicoureteral reflux] Batinić D, et al. **Lijec Vjesn** 1987 Apr–May;109(4–5):138–42 (Eng. Abstr.) **(Scr)**

METABOLISM

Renal fraction of cardiac output cleared of radioactive indicator in 123iodine-hippuran gamma camera renography. Carlsen O, et al. **Clin Physiol** 1987 Apr; 7(2):165–71

Preliminary evaluation of 99mTc mercaptoacetyltriglycine as a replacement for 131I OIH. Taylor A Jr, et al. **Contrib Nephrol** 1987;56:38–43

123I-hippuran accumulation in renal transplants during azathioprine and low dose ciclosporin therapy. Willommet L, et al. **Contrib Nephrol** 1987;56:174–7

[Biochemistry of amino acid derivatives of [103Ru] ruthenocene. Comparison with 131I hippuran] Wenzel M, et al. **Int J Rad Appl Instrum [A]** 1986;37(6):491–5 (Eng. Abstr.) **(Ger)**

IODOPANOIC ACID see **IOPANOIC ACID**

IODOPHORS see under **IODINE**

IODOPROTEINS

see related
SERUM ALBUMIN, RADIO-IODINATED

ANALYSIS

Some characteristics of soluble thyroid proteins in human fetus during morphogenesis of follicular structure. Sinadinović J, et al. **Exp Clin Endocrinol** 1986 Dec; 88(3):346–54

METABOLISM

Why do total-body decay curves of iodine-labeled proteins begin with a delay? Regoeczi E. **Am J Physiol** 1987 Sep; 253(3 Pt 2):R383–8

IODOPYRACET

PHARMACODYNAMICS

[Characteristics of the granules formed in nucleated erythrocytes as affected by cardiotrast] Veselkina MN, et al. **Tsitologiia** 1987 Mar;29(3):309–14 (Eng. Abstr.) **(Rus)**

IODOPYRIDONES

TOXICITY

Intraperitoneal toxicity of Hytrast: an experimental study. Ginai AZ, et al. **Br J Radiol** 1986 Nov;59(707):1079–82

IODOTYROSINE DEIODASE see **IODIDE PEROXIDASE**

IOGLYCAMIC ACID see under **IODOBENZOATES**

IOHEXOL

Clearing media for the eye. Maurice DM. **Br J Ophthalmol** 1987 Jun;71(6):470–2

Comparative trial of Hexabrix (320 mg iodine/ml), iohexol (300 mg iodine/ml) and iopamiron (300 mg iodine/ml) in cerebral and spinal angiography: a preliminary report. Doyon D, et al. **Br J Radiol** 1987 Jul;60(715):671–5

A comparison of iohexol and iopamidol for lumbar myelography. Hoe JW, et al. **Clin Radiol** 1986 Sep; 37(5):505–7

Side effects after diagnostic lumbar puncture and lumbar iohexol myelography. Sand T, et al. **Neuroradiology** 1987; 29(4):385–8

ADMINISTRATION & DOSAGE

High-dose iohexol myelography. Simon JH, et al. **Radiology** 1987 May;163(2):455–8

ADVERSE EFFECTS

Adverse reactions following two separate intravascular injections of contrast media in the same patient. A comparison between iohexol and monomeric ionic media. Sogn EE, et al. **Acta Radiol** 1987 Jan–Feb;28(1):93–7

Adverse reactions after iohexol lumbar myelography: influence of postprocedural positioning. Kuuliala IK, et al. **AJR** 1987 Aug;149(2):389–90

Late reaction following iohexol [letter] Brown IW, et al. **Br J Radiol** 1985 Aug;58(692):785

Timing of disc surgery after iohexol myelography and its effect on the incidence of postoperative problems. Riley D, et al. **Br Med J [Clin Res]** 1986 Sep 6;293(6547):595

The effect of intrathecal iohexol on visual evoked response latency: a comparison including incidence of headache with iopamidol and metrizamide in myeloradiculography. Broadbridge AT, et al. **Clin Radiol** 1987 Jan;38(1):71–4

The frequency of hyperamylasemia after ERCP with diatrizoate and iohexol. Mäkelä P, et al. **Eur J Radiol** 1986 Nov;6(4):303–4

Hypotensive shock associated with bradycardia after intravenous injection of contrast medium. Poulsen J, et al. **Radiology** 1987 Jul;164(1):275–6

Tolerance of iohexol, iopamidol, and metrizamide in lumbar myelography. Elkin CM, et al. **Surg Neurol** 1986 Dec; 26(6):542–6

[Use of nonionic contrast media in computerized tomography] Langer M, et al. **Digitale Bilddiagn** 1987 Mar; 7(1):25–9 (Eng. Abstr.) **(Ger)**

[Contrast medium reaction to iohexol (Omnipaque) with monocyte activation demonstrated in vivo] Bolz KD, et al. **ROFO** 1987 Mar;146(3):347–9 (Eng. Abstr.) **(Ger)**

[Image quality and systemic reactions in phlebography using iohexol with various concentrations of iodine] Langer M, et al. **Rontgenpraxis** 1987 Feb;40(2):72–7 **(Ger)**

[Severe contrast medium reaction after iohexol (Omnipaque)

with in vivo proven monocyte stimulation] Bolz KD, et al. **Tidsskr Nor Laegeforen** 1986 Oct 30;106(30):2493–4 (Eng. Abstr.) **(Nor)**

DIAGNOSTIC USE

Low dose urography. A clinical comparison of three low osmolar (ratio 3) contrast media. Björk L, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Sep–Oct;27(5):557–9

Iohexol versus iopamidol for cervical myelography: a randomised double blind study. Macpherson P, et al. **Br J Radiol** 1985 Sep;58(693):849–51

Comparison of low-osmolar contrast media in paediatric cardiac angiography. Rubin CM, et al. **Br J Radiol** 1987 Feb;60(710):133–5

Intravenous digital subtraction angiography with iohexol (Omnipaque) and sodium meglumin diatrizoate (Urografin). Karle A, et al. **Diagn Imag Clin Med** 1986;55(6):352–9

Myelography using iohexol (Omnipaque). Peeters F. **Diagn Imag Clin Med** 1986;55(6):348–51

A comparative trial of the diagnostic quality of and tolerance for two low concentration low osmolality contrast media for phlebography. Bowles JN, et al. **Eur J Radiol** 1986 Nov;6(4):301–2

Use of Iohexol in the radiographic diagnosis of ischemic bowel [letter] Erpicum P, et al. **J Pediatr Surg** 1987 May; 22(5):476–7

New contrast media. **Med Lett Drugs Ther** 1987 Apr 24; 29(738):43–4

Lumbar myelography with Omnipaque (iohexol). Lilleås F, et al. **Neuroradiology** 1986;28(4):344–6

Iohexol 300 mg I/ml versus Iopamidol 300 mg I/ml for cervical myelography double blind trial. Valk J, et al. **Neuroradiology** 1987;29(2):202–5

Excretory urography with iohexol: evaluation in children. Magill HL, et al. **Radiology** 1986 Dec;161(3):625–30

Knee arthrography: a comparison of iohexol, ioxaglate sodium meglumine, and metrizoate. Obermann WR, et al. **Radiology** 1987 Mar;162(3):729–33

Comparison of two strengths of iohexol and iothalamate in urography. Davies P, et al. **Urol Radiol** 1987;9(1):30–5

[Significance of diskography and contrast medium/enzyme interaction] Pon A, et al. **Neurochirurgia (Stuttg)** 1986 Sep; 29 Suppl 1:134–7 (Eng. Abstr.) **(Ger)**

[Quality control in urography with iopamidol and iohexol. A parallel comparison] Stacul F, et al. **Radiol Med (Torino)** 1987 Mar;73(3):196–8 (Eng. Abstr.) **(Ita)**

[CT–cisternography and cervical myelography with iohexol and metrizamide: a comparative multicenter study in Japan] Kobayashi N, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Apr 25; 47(4):590–601 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical studies of non–ionic isoosmolality contrast medium (iohexol 140)—II. IADSA in clinical practice] Tajima N. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Apr 25; 46(4):541–52 (Eng. Abstr.) **(Jpn)**

[Use of iohexol for myelography] Sviridov NK. **Zh Vopr Neirokhir** 1987 Mar–Apr;(2):50–2 (32 ref.) **(Rus)**

PHARMACODYNAMICS

The immediate effects of iohexol on coronary blood flow and myocardial function in vivo. Friedman HZ, et al. **Circulation** 1986 Dec;74(6):1416–23

TOXICITY

Cardiovascular responses to the intracarotid injections of ionic contrast media and iohexol in the dog. Hayakawa K, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Nov–Dec; 27(6):729–33

Incidence of ventricular fibrillation during coronary arteriography in the rabbit. A comparative study of isotonic ioxaglate and iohexol. Donadieu AM, et al. **Invest Radiol** 1987 Feb;22(2):106–10

ION CHANNELS

see related

CALCIUM CHANNEL BLOCKERS

A symposium: The calcium ion, cardiac myocyte and vascular smooth muscle in hypertension and its treatment. March 27–29, Nassau, the Bahamas. **Am J Cardiol** 1987 Jan 23;59(2):1A–121A

Future directions in sodium channel research. Levinson SR, et al. **Ann NY Acad Sci** 1986;479:439–45

The voltage-dependent sodium channel is co–localized with the acetylcholine receptor at the vertebrate neuromuscular junction. Dreyfus P, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):196–201

Structure of planar membrane formed from liposomes. Kolomytkin OV. **Biochim Biophys Acta** 1987 Jun 12; 900(1):145–56

Uniformly oriented gramicidin channels embedded in thick monodomain lecithin multilayers. Huang HW, et al. **Biophys J** 1987 Jun;51(6):989–92

Molecular characterization of Shaker, a Drosophila gene that encodes a potassium channel. Kamb A, et al. **Cell** 1987 Jul 31;50(3):405–13

Pore formation by Staphylococcus aureus alpha–toxin in lipid bilayers. Dependence upon temperature and toxin concentration. Belmonte G, et al. **Eur Biophys J** 1987; 14(6):349–58

Purification of Ca2+–activated K+ channel protein on calmodulin affinity columns after detergent solubilization of luminal membranes from outer renal medulla. Klaerke DA, et al. **FEBS Lett** 1987 Jun 1;216(2):211–6

Is flexoelectricity the coupling factor between chemical energy and osmotic work in the pump? A model of pump. Petrov AG, et al. **Gen Physiol Biophys** 1986 Aug; 5(4):391–403

Nucleotide sequence of the colicin B activity gene cba: consensus pentapeptide among TonB–dependent colicins and receptors. Schramm E, et al. **J Bacteriol** 1987 Jul; 169(7):3350–7

Chemical modification of the two histidine and single cysteine residues in the channel–forming domain of colicin E1. Bishop LJ, et al. **J Membr Biol** 1986;92(3):237–45

Gating of a voltage–dependent channel (colicin E1) in planar lipid bilayers: translocation of regions outside the channel–forming domain. Raymond L, et al. **J Membr Biol** 1986;92(3):255–68

Gating of a voltage–dependent channel (colicin E1) in planar lipid bilayers: the role of protein translocation. Slatin SL, et al. **J Membr Biol** 1986;92(3):247–54

Identification and characterization of major ionic currents in isolated smooth muscle cells using the voltage–clamp technique. Walsh JV Jr, et al. **Pflugers Arch** 1987 Feb; 408(2):83–97

Parallel packing of alpha–helices in crystals of the zervamicin IIA analog Boc–Trp–Ile–Ala–Aib–Ile–Val–Aib–Leu–Aib–Pro–OMe.2H2O. Karle IL, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9284–8

Localization of sodium channels in axon hillocks and initial segments of retinal ganglion cells. Wollner DA, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8424–8

Cloning of genomic and complementary DNA from Shaker, a putative potassium channel gene from Drosophila. Papazian DM, et al. **Science** 1987 Aug 14;237(4816):749–53

Genomic organization and deduced amino acid sequence of a putative sodium channel gene in Drosophila. Salkoff L, et al. **Science** 1987 Aug 14;237(4816):744–9

Sequence of a probable potassium channel component encoded at Shaker locus of Drosophila. Tempel BL, et al. **Science** 1987 Aug 14;237(4816):770–5

Topological mapping and the ionic channel in an acetylcholine receptor. Stroud RM. **Soc Gen Physiol Ser** 1987;41:67–75

[Calcium channels, calcium pumps and calcium antagonists] Schaub MC. **Schweiz Rundsch Med Prax** 1987 Feb 10; 76(7):165–70 **(Ger)**

ANALYSIS

A membrane protein with a K+ and a Cl– channel. Cherksey BD, et al. **Acta Physiol Scand** 1987 Jan;129(1):137–8

Ca2+ channels from brain microsomal membranes reconstituted in patch–clamped bilayers. Vassilev PM, et al. **Biochim Biophys Acta** 1987 Feb 26;897(2):324–30

A Raman spectroscopic study on the interaction of an ion–channel protein with a phospholipid in a model membrane system (gramicidin A/L–alpha–lysophosphatidylcholine). Aslanian D, et al. **Eur J Biochem** 1986 Oct 15;160(2):395–400

6–Hydroxydopamine treatment increases beta–adrenoceptors and Ca2+ channels in rat heart. Skattebøl A, et al. **Eur J Pharmacol** 1986 Aug 15;127(3):287–9

Monoclonal antibodies against the 1,4–dihydropyridine receptor associated with voltage–sensitive Ca2+ channels detect similar polypeptides from a variety of tissues and species. Norman RI, et al. **FEBS Lett** 1987 Feb 9; 212(1):127–32

Monoclonal antibody identifies a 200–kDa subunit of the dihydropyridine–sensitive calcium channel. Morton ME, et al. **J Biol Chem** 1987 Sep 5;262(25):11904–7

Localization of sodium channel subtypes in adult rat skeletal muscle using channel–specific monoclonal antibodies. Haimovich B, et al. **J Neurosci** 1987 Sep;7(9):2957–66

Acetylcholine receptors and sodium channels in denervated and botulinum–toxin–treated adult rat muscle. Bambrick L, et al. **J Physiol (Lond)** 1987 Jan;382:69–86

Purification and characterization of the amiloride–sensitive sodium channel from A6 cultured cells and bovine renal papilla. Benos DJ, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8525–9

Identification of an alpha subunit of dihydropyridine–sensitive brain calcium channels. Takahashi M, et al. **Science** 1987 Apr 3;236(4797):88–91

[Purification of a soluble tetrodotoxin–sensitive protein from the cytoplasmic fraction of bovine brain tissue] Malysheva MK, et al. **Neirofiziologiia** 1987;19(2):202–9 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Two types of single inward rectifying potassium channels in rat myocardial cells. Burnashev NA, et al. **Gen Physiol Biophys** 1986 Oct;5(5):495–504

Calcium channel types in cardiac myocytes: modulation by dihydropyridines and beta–adrenergic stimulation. Hess P, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 9:S11–21

The Conus toxin geographutoxin IL distinguishes two functional sodium channel subtypes in rat muscle cells developing in vitro. Gonoi T, et al. **J Neurosci** 1987 Jun; 7(6):1728–31

Two channels reduced to one [news] Mayer M. **Nature** 1987 Feb 5–11;325(6104):480–1

The "small" conductance chloride channel in the luminal membrane of the rectal gland of the dogfish (Squalus acanthias). Gögelein H, et al. **Pflugers Arch** 1987 Jun; 409(1–2):122–5

DRUG EFFECTS

Effect of the blocked inactivation of sodium channels on intracellular and extracellular action potentials from isolated frog muscle fibres. Radicheva N. **Acta Physiol Pharmacol Bulg** 1986;12(3):27–31

Amiloride–sensitive sodium channels and expression of sodium appetite in rats. Bernstein IL, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):R371–4

La3+, Mn2+, and Ni2+ effects on Ca2+ pump and on Na+–Ca2+ exchange in bullfrog ventricle. Brommundt G, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):C45–51

Pituitary Ca2+ channels: blockade by conventional and novel Ca2+ antagonists. Enyeart JJ, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):C162–70

Blocking agents of Ca2+–activated K+ channels in cultured medullary thick ascending limb cells. Guggino SE, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):C128–37

Ryanodine modifies conductance and gating behavior of single Ca2+ release channel. Rousseau E, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):C364–8

Modeling ion channel blockade at guarded binding sites: application to tertiary drugs. Starmer CF, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):H848–56

An integrated view of the molecular toxinology of sodium channel gating in excitable cells. Strichartz G, et al. **Annu Rev Neurosci** 1987;10:237–67 (163 ref.)

Enhancement and suppression of currents related to calcium–overload by different concentrations of methylxanthines. Hasegawa J, et al. **Arch Int Pharmacodyn Ther** 1986 Jul;282(1):68–81

Neurochemical effects of DDT in rat brain in vivo. Hong JS, et al. **Arch Toxicol [Suppl]** 1986;9:14–26

Nerve membrane ionic channels as the target of toxicants. Narahashi T. **Arch Toxicol [Suppl]** 1986;9:3–13 (42 ref.)

Effects of a calcium entry promoting 1,4,5,7–tetrahydro–furo[3,4–b] pyridine derivative on Na+–, Ca2+– and Mg2+–dependent bioelectrical activity of Purkinje fibres and papillary muscles. Gerster P, et al. **Arzneimittelforschung** 1987 Mar;37(3):309–15

The contribution of Na channel block to the negative inotropic effect of antiarrhythmic drugs. Honerjäger P. **Basic Res Cardiol** 1986;81 Suppl 1:33–7

Effect of heparin–binding growth factors on monovalent cation transport in Balb/C 3T3 cells. Halperin JA, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):115–22

Membrane–directed effects of the plant hormones abscisic acid, indole–3–acetic acid and 2,4–dichlorophenoxyacetic acid. Schauf CL, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):1085–91

Stereospecific action of diltiazem on the mitochondrial Na–Ca exchange system and on sarcolemmal Ca–channels. Chiesi M, et al. **Biochem Pharmacol** 1987 Sep 1; 36(17):2735–40

Differential sensitivity of calcium channels to dihydropyridines. The modulated receptor hypothesis. Chin JH. **Biochem Pharmacol** 1986 Dec 1;35(23):4115–20 (53 ref.)

The acute in vitro effect of ethanol, its metabolites and other toxic alcohols on ion flux in isolated human leucocytes and erythrocytes. Green RJ, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3457–64

Interaction of ionophore A23187 with a "masked" Ca2+ binding site in pig and pigeon red cells. Henley JM. **Biochem Pharmacol** 1986 Oct 1;35(19):3401–3

Inhibition of liver endoplasmic reticulum calcium pump by CCl4 and release of a sequestered calcium pool. Long RM, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4131–7

Neuronal calcium channel antagonists. Discrimination between calcium channel subtypes using omega–conotoxin from Conus magus venom. Olivera BM, et al. **Biochemistry** 1987 Apr 21;26(8):2086–90

A mechanistic interpretation of the action of toxin II from Anemonia sulcata on the cardiac sodium channel. Schreibmayer W, et al. **Biochim Biophys Acta** 1987 Jul 23; 901(2):273–82

Voltage–activation of high–conductance K+ channel in the insulin–secreting cell line RINm5F is dependent on local extracellular Ca2+ concentration. Velasco JM, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):305–10

Electrophysiological studies of the effects of the general anaesthetic etomidate on frog myelinated nerve fibre. Benoit E, et al. **Br J Pharmacol** 1987 Jan;90(1):7–14

A kinetic analysis of the endplate ion channel blocking action of disopyramide and its optical isomers. Dempster J, et al. **Br J Pharmacol** 1987 Feb;90(2):299–307

Effect of somatostatin on 45Ca fluxes in guinea–pig isolated atria. Díez J, et al. **Br J Pharmacol** 1987 Feb;90(2):309–14

Anti–anginal arylalkylamines and sodium channels: [3H]–batrachotoxinin–A 20–alpha–benzoate and [3H]–tetracaine binding. Grima M, et al. **Br J Pharmacol** 1986 Dec;89(4):641–6

Role of ion conductance changes and of the sodium–pump in adrenaline–induced hyperpolarization of rat diaphragm

muscle fibres. Kuba K, et al. **Br J Pharmacol** 1987 Jul; 91(3):671–81

Barbiturates increase the rate of voltage-dependent inactivation of the calcium current in snail neurones. Nishi K, et al. **Br J Pharmacol** 1983 Dec;80(4):761–5

The action of pentobarbitone on stimulus–secretion coupling in adrenal chromaffin cells. Pocock G, et al. **Br J Pharmacol** 1987 Jan;90(1):71–80

Effects of gamma-aminobutyric acid and (–)-baclofen on calcium and potassium currents in cat dorsal root ganglion neurones in vitro. Robertson B, et al. **Br J Pharmacol** 1986 Dec;89(4):661–72

Interaction of phorbol esters with Ca2+ channels in smooth muscle. Spedding M. **Br J Pharmacol** 1987 Jun;91(2):377–84

Reversible inhibition of leucocyte sodium pumps by a serum factor in essential hypertension [letter] Oh VM, et al. **Br Med J [Clin Res]** 1986 Oct 25;293(6554):1101–2

Conductance properties of GABA-activated chloride currents recorded from cultured hippocampal neurons. Allen CN, et al. **Brain Res** 1987 Apr 28;410(1):159–63

Sodium depletion in the periaxonal space of the squid axon treated with pyrethroids. de Weille JR, et al. **Brain Res** 1986 Oct 29;386(1–2):169–74

Dihydropyridine chirality at the chromaffin cell calcium channel. Fonteriz RI, et al. **Brain Res** 1987 Apr 7; 408(1–2):359–62

Kainate reduces two voltage-dependent potassium conductances in rat hippocampal neurons in vitro. Gho M, et al. **Brain Res** 1986 Oct 22;385(2):411–4

Interaction of calmodulin inhibitors and protein kinase C inhibitors with voltage-dependent calcium channels. Greenberg DA, et al. **Brain Res** 1987 Feb 24;404(1–2):401–4

Ethanol-induced component of 45Ca2+ uptake in PC12 cells is sensitive to Ca2+ channel modulating drugs. Greenberg DA, et al. **Brain Res** 1987 Apr 28;410(1):143–6

Chloride channels activated by gamma-aminobutyric acid in normal bovine lactotrophs. Inenaga K, et al. **Brain Res** 1987 Mar 3;405(1):159–64

Differential effects of calcium entry blockers on pre- and postsynaptic influx of calcium in the rat hippocampus in vitro. Jones RS, et al. **Brain Res** 1987 Jul 28;416(2):257–66

gamma-Aminobutyric acid opens Cl-channels in cultured astrocytes. Kettenmann H, et al. **Brain Res** 1987 Feb 24; 404(1–2):1–9

Inhibition of electrically induced seizures by a dihydropyridine calcium channel blocker. Meyer FB, et al. **Brain Res** 1986 Oct 1;384(1):180–3

Actions of convulsants, 4-aminopyridine and pentylenetetrazole, on the transient outward current of single isolated nodose ganglion neurons. Oyama Y. **Brain Res** 1987 Apr 21;409(2):243–9

D-600 blocks open Ca2+ channels more profoundly than closed ones. Oyama Y, et al. **Brain Res** 1987 Aug 4; 417(1):143–7

Zonisamide enhances slow sodium inactivation in Myxicola. Schauf CL. **Brain Res** 1987 Jun 9;413(1):185–8

Maitotoxin and Bay-K-8644: two putative calcium channel activators with different effects on endogenous dopamine release from tuberoinfundibular neurons. Taglialatela M, et al. **Brain Res** 1986 Sep 3;381(2):356–8

GABA receptors induced in Xenopus oocytes by chick brain mRNA: evaluation of TBPS as a use-dependent channel-blocker. Van Renterghem C, et al. **Brain Res** 1987 Apr;388(1):21–31

Ionic conductances related to GABA action on secretory and biosynthetic activity of pars intermedia cells. Taleb O, et al. **Brain Res Bull** 1986 Nov;17(5):725–30

Ca2+ channel ligand sensitive responses to the phorbol ester 12-O-tetradecanoylphorbol 13-acetate in vascular smooth muscle. Wei XY, et al. **Can J Physiol Pharmacol** 1986 Dec; 64(12):1489–96

Effects of 4-aminopyridine on the action potential and the after-hyperpolarization of cat spinal motoneurons. Zhang L, et al. **Can J Physiol Pharmacol** 1986 Nov;64(11):1402–6

Autologous mixed-lymphocyte reaction in man. XVII. In vitro effect of ion channel-blocking agents on the autologous mixed-lymphocyte response. Gupta S. **Cell Immunol** 1987 Feb;104(2):290–5

Ethanol effects on voltage-dependent membrane conductances: comparative sensitivity of channel populations in Aplysia neurons. Camacho-Nasi P, et al. **Cell Mol Neurobiol** 1986 Sep;6(3):263–79

Diazepam action on gamma-aminobutyric acid–activated chloride currents in internally perfused frog sensory neurons. Hattori K, et al. **Cell Mol Neurobiol** 1986 Sep; 6(3):307–23

Reduction of the voltage-dependent calcium current in Aplysia neurons by pentobarbital. Ikemoto Y, et al. **Cell Mol Neurobiol** 1986 Sep;6(3):293–305

Membrane electrical properties of vesicular Na–Ca exchange inhibitors in single atrial myocytes. Bielefeld DR, et al. **Circ Res** 1986 Oct;59(4):381–9

Relations among sodium pump inhibition, Na–Ca and Na–H exchange activities, and Ca–H interaction in cultured chick heart cells. Kim D, et al. **Circ Res** 1987 Feb;60(2):185–93

Effect of norepinephrine and cyclic AMP on intracellular sodium ion activity and contractile force in canine cardiac Purkinje fibers. Pecker MS, et al. **Circ Res** 1986 Oct; 59(4):390–7

Diphenylhydantoin blocks cardiac calcium channels and binds to the dihydropyridine receptor. Yatani A, et al. **Circ Res** 1986 Sep;59(3):356–61

Antiarrhythmic agents: modulated receptor applications. Hondeghem LM. **Circulation** 1987 Mar;75(3):514–20

Flunitrazepam action on the GABA–Cl ionophore complex in rat cortical neurons in culture: a patch–clamp study. Vicini S, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:395–7

Effects of changes in dietary sodium intake on aortic sodium pump activity in the rat. Bradlaugh R, et al. **Clin Sci** 1987 Jan;72(1):143–6

Insulin and glyburide increase cytosolic free-Ca2+ concentration in isolated rat adipocytes. Draznin B, et al. **Diabetes** 1987 Feb;36(2):174–8

Use-dependent blockade of sodium channels by local anaesthetics and antiarrhythmic drugs. Effects of chloramine-T and calcium ions. Khodorov BI, et al. **Drugs Exp Clin Res** 1986;12(9–10):743–52

Excitation–secretion coupling: ionic currents in glomerulosa cells: effects of adrenocorticotropin and K+ channel blockers. Payet MD, et al. **Endocrinology** 1987 Sep; 121(3):875–82

Nerve membrane ion channels as the target site of environmental toxicants. Narahashi T. **Environ Health Perspect** 1987 Apr;71:25–9 (18 ref.)

Common anticonvulsants inhibit Ca2+ uptake and amino acid neurotransmitter release in vitro. Crowder JM, et al. **Epilepsia** 1987 Jul–Aug;28(4):378–82

Effects of calcium on the gramicidin A single channel in phosphatidylserine membranes. Screening and blocking. Gambale F, et al. **Eur Biophys J** 1987;14(6):369–74

The action of procainamide and quinidine on the alpha 1-receptor-operated channels in smooth muscle cells of guinea-pig taenia caeci. Den Hertog A, et al. **Eur J Pharmacol** 1987 Jun 4;137(2–3):233–9

Modification of alpha 1-receptor-operated channels by mebeverine in smooth muscle cells of guinea-pig taenia caeci. Den Hertog A, et al. **Eur J Pharmacol** 1987 Jun 26;138(3):367–74

Can maximum ouabain-sensitive 86Rb+ uptake rate be obtained by increasing Na+ influx? Kennedy RH, et al. **Eur J Pharmacol** 1986 Sep 23;129(1–2):77–85

Tiapamil reduces the calcium inward current of isolated smooth muscle cells. Dependence on holding potential and pulse frequency. Klöckner U, et al. **Eur J Pharmacol** 1986 Aug 15;127(3):165–71

Inhibition of Ca2+ inward current in rabbit sinoatrial node by bunazosin, an alpha-adrenoceptor antagonist. Kotake H, et al. **Eur J Pharmacol** 1987 Apr 7;136(1):113–7

Histamine-operated calcium channels in intestinal smooth muscle of the guinea-pig. Morel N, et al. **Eur J Pharmacol** 1987 Mar 3;135(1):69–75

Inhibition of evoked acetylcholine release: two different mechanisms in the Torpedo electric organ. Muller D, et al. **Eur J Pharmacol** 1987 Jan 13;133(2):225–34

Histamine increases the Ca current in guinea-pig ventricular myocytes. Muramatsu I, et al. **Eur J Pharmacol** 1987 Jun 19;138(2):269–72

1-Oleoyl-2-acetyl-glycerol and phorbol diester stimulate Ca2+ influx through Ca2+ channels in neuroblastoma x glioma hybrid NG108-15 cells. Osugi T, et al. **Eur J Pharmacol** 1986 Jul 15;126(1–2):47–51

TPP+ accumulation in rat brain synaptosomes as a probe for Na+ channels. Pauwels PJ, et al. **Eur J Pharmacol** 1986 Dec 16;132(2–3):289–93

Antamanide antagonizes the phalloidin-induced negative inotropic effect and blocks voltage dependently the fast outward K+ current in voltage-clamped frog muscle fibres. Raymond G, et al. **Eur J Pharmacol** 1987 Jun 12; 138(1):21–7

A patch clamp study of the action of ethacyzine on the rapid inward sodium current in single rat heart muscle cells. Schubert B, et al. **Eur J Pharmacol** 1986 Jul 31; 126(3):309–12

ATP-sensitive K+ channels in human isolated pancreatic B-cells. Ashcroft FM, et al. **FEBS Lett** 1987 May 4; 215(1):9–12

Internal perfusion of guinea-pig hepatocytes with buffered Ca2+ or inositol 1,4,5-trisphosphate mimics noradrenaline activation of K+ and Cl- conductances. Capiod T, et al. **FEBS Lett** 1987 Jun 15;217(2):247–52

Hormonal regulation of pituitary GH3 cell K+ channels by Gk is mediated by its alpha-subunit. Codina J, et al. **FEBS Lett** 1987 May 25;216(1):104–6

Omega Conus geographus toxin: a peptide that blocks calcium channels. Feldman DH, et al. **FEBS Lett** 1987 Apr 20;214(2):295–300

Bradykinin inhibits potassium (M) currents in N1E-115 neuroblastoma cells. Responses resemble those in NG108-15 neuroblastoma x glioma hybrid cells. Higashida H, et al. **FEBS Lett** 1987 Aug 17;220(2):302–6

Inhibition of a calcium-activated, non-selective cation channel, in a rat insulinoma cell line, by adenine derivatives. Sturgess NC, et al. **FEBS Lett** 1986 Nov 24;208(2):397–400

Field stimulation responses of rat urinary bladder detrusor smooth-muscle. Dependence upon slow calcium channel activity determined by K+ depolarization and calcium antagonists. Huddart H, et al. **Gen Pharmacol** 1986; 17(6):695–703

Effects of calcium entry blockers not connected with calcium channels inhibition. Raddino R, et al. **Gen Pharmacol** 1987; 18(4):431–6

A study of properties of batrachotoxin modified sodium channels. Mozhayeva GN, et al. **Gen Physiol Biophys** 1986 Feb;5(1):17–46

Modification of Na channels by synthetic dihydrobatrachotoxinin A–20 alpha–benzoate. Mozhayeva GN, et al. **Gen Physiol Biophys** 1986 Apr;5(2):153–8

Properties of aconitine-modified sodium channels in single cells of mouse ventricular myocardium. Nilius B, et al. **Gen Physiol Biophys** 1986 Oct;5(5):473–84

Possible existence of transient TTX-sensitive chloride current in the membrane of isolated cardiomyocytes. Pidoplichko VI, et al. **Gen Physiol Biophys** 1987 Jun; 6(3):223–35

Two different tetrodotoxin-separable inward sodium currents in the membrane of isolated cardiomyocytes. Pidoplichko VI. **Gen Physiol Biophys** 1986 Dec;5(6):593–604

Effects of KC 3791 on sodium and potassium channels in frog node of Ranvier. Zaborovskaya LD, et al. **Gen Physiol Biophys** 1986 Dec;5(6):605–15

Acute effects of dexamethasone on cation transport in colonic epithelium. Sandle GI, et al. **Gut** 1987 Jun;28(6):701–6

Exaggerated renal vasodilator response to calcium entry blockade in first-degree relatives of essential hypertensive subjects. Blackshear JL, et al. **Hypertension** 1987 Apr; 9(4):384–9

Effects of diltiazem on cation transport across erythrocyte membranes of hypertensive humans. Khalil-Manesh F, et al. **Hypertension** 1987 Jan;9(1):18–23

The influence of nitroheterocyclic radiosensitizers on the membrane of red blood cells. Rybczynska M, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Sep;24(9):468–73

Modulation of the Na+–Ca2+ antiport by its ionic environment: the effect of lithium. Hermoni M, et al. **Isr J Med Sci** 1987 Jan–Feb;23(1–2):44–8

New perspectives in cardiovascular medicine: the calcium channel blocking drugs. Allert JA, et al. **J Am Vet Med Assoc** 1987 Mar 1;190(5):573–8 (34 ref.)

Dihydropyridine modulators of voltage-sensitive Ca2+ channels specifically regulate prolactin production by GH4C1 pituitary tumor cells. Enyeart JJ, et al. **J Biol Chem** 1987 Mar 5;262(7):3154–9

Cyclic-AMP-dependent phosphorylation of voltage-sensitive sodium channels in primary cultures of rat brain neurons. Rossie S, et al. **J Biol Chem** 1987 Sep 15;262(26):12735–44

Protective effect of verapamil on the cardiac and circulatory alterations induced by platelet-activating factor. Alloatti G, et al. **J Cardiovasc Pharmacol** 1987 Feb;9(2):181–6

Sodium channel block by a potent, new antiarrhythmic agent, transcainide, in guinea pig ventricular myocytes. Bennett PB, et al. **J Cardiovasc Pharmacol** 1987 Jun;9(6):661–7

Effects of drugs that activate or inhibit calcium channels on contraction of the aorta from hypertensive rabbits. Dong YJ, et al. **J Cardiovasc Pharmacol** 1986 Nov–Dec; 8(6):1176–84

Felodipine actions on vascular muscle Ca2+ channels. Hermsmeyer K, et al. **J Cardiovasc Pharmacol** 1987;10 Suppl 1:S40–3

Inhibition of the fast Na+ inward current by the Ca2+ channel blocker tiapamil. Osterrieder W. **J Cardiovasc Pharmacol** 1986 Nov–Dec;8(6):1101–6

Effects of intracoronary Bay k 8644, a calcium channel agonist, in anesthetized dogs. Pelc LR, et al. **J Cardiovasc Pharmacol** 1986 Nov–Dec;8(6):1223–8

Dihydropyridine calcium antagonists and agonists in the isolated perfused Dahl rat kidney. Steele TH, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 1:S44–8

Effect of thyroid hormone on slow calcium channel function in cultured chick ventricular cells. Kim D, et al. **J Clin Invest** 1987 Jul;80(1):88–94

Removal of rapid sensory adaptation from an insect mechanoreceptor neuron by oxidizing agents which affect sodium channel inactivation. French AS. **J Comp Physiol [A]** 1987 Aug;161(2):275–82

Abnormal 45Ca fluxes in dispersed submandibular acini of rats treated with reserpine. Müller RM, et al. **J Dent Res** 1987 Aug;66(8):1294–9

Parathyroid hormone stimulation of the Na+/K+ pump in rat clonal osteosarcoma cells. De Luise M, et al. **J Endocrinol** 1986 Oct;111(1):61–6

Effects of Chinese herbal medicine "kanbaku-taiso-to" on transmembrane ionic currents and its local anesthetic action. Tsuda T, et al. **J Ethnopharmacol** 1986 Sep; 17(3):257–61

Mitogen induction of ion channels in murine T lymphocytes. Decoursey TE, et al. **J Gen Physiol** 1987 Mar;89(3):405–20

Guanidine block of single channel currents activated by acetylcholine. Dwyer TM. **J Gen Physiol** 1986 Nov; 88(5):635–50

Single Na+ channels activated by veratridine and batrachotoxin. Garber SS, et al. **J Gen Physiol** 1987 Mar; 89(3):459–80

Batrachotoxin-modified sodium channels in planar lipid bilayers. Ion permeation and block. Green WN, et al. **J Gen Physiol** 1987 Jun;89(6):841–72

Batrachotoxin-modified sodium channels in planar lipid bilayers. Characterization of saxitoxin- and tetrodotoxin-induced channel closures. Green WN, et al. **J Gen Physiol** 1987 Jun;89(6):873–903

Charybdotoxin selectively blocks small Ca-activated K channels in Aplysia neurons. Hermann A, et al. **J Gen Physiol** 1987 Jul;90(1):27–47

Modification of K conductance of the squid axon membrane by SITS. Inoue I. **J Gen Physiol** 1986 Oct;88(4):507–20

Electrophysiological comparison of insecticide and alkaloid

agonists of Na channels. Leibowitz MD, et al. **J Gen Physiol** 1987 Jul;90(1):75–93

Neuroleptics antagonize a calcium-activated potassium channel in airway smooth muscle. McCann JD, et al. **J Gen Physiol** 1987 Feb;89(2):339–52

Inhibition of sodium currents by local anesthetics in chloramine-T-treated squid axons. The role of channel activation. Wang GK, et al. **J Gen Physiol** 1987 Apr; 89(4):645–67

Effects of norepinephrine on 86Rb-uptake by arteries from spontaneously hypertensive and Wistar-Kyoto rats. Cox RH. **J Hypertens [Suppl]** 1986 Dec;4(5):S52–4

Effects of 6-iodo-amiloride, a sodium channel blocker, on cardiovascular parameters in spontaneously hypertensive and Wistar-Kyoto rats. Pamnani MB, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S491–3

Exaggerated Dahl salt-sensitive kidney response to calcium channel agonist isomer of Bay k 8644, but not to calcium channel antagonist isomer of Bay k 8644. Steele TH, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S135–7

Inhibition of human natural killer (NK) activity by calcium channel modulators and a calmodulin antagonist. Solovera JJ, et al. **J Immunol** 1987 Aug 1;139(3):876–80

Effects of a dihydropyridine calcium antagonist and agonist on human basophil histamine release. Busse WW, et al. **J Lab Clin Med** 1987 Apr;109(4):422–8

Stereospecificity of the chloride ion channel: the action of chiral clofibric acid analogues. Bettoni G, et al. **J Med Chem** 1987 Aug;30(8):1267–70

Competitive blocking of epithelial sodium channels by organic cations: the relationship between macroscopic and microscopic inhibition constants. Li JH, et al. **J Membr Biol** 1983;76(3):235–51

Calcium-agonists. Bechem M, et al. **J Mol Cell Cardiol** 1987 May;19 Suppl 2:63–75 (34 ref.)

Block of activated and inactivated sodium channels by class-I antiarrhythmic drugs studied by using the maximum upstroke velocity (Vmax) of action potential in guinea-pig cardiac muscles. Kodama I, et al. **J Mol Cell Cardiol** 1987 Apr;19(4):367–77

The effect of ethanol and acetaldehyde on Na pump function in cultured rat heart cells. McCall D, et al. **J Mol Cell Cardiol** 1987 May;19(5):453–63

Studies on mechanisms of calcium channel modulators. Schwartz A. **J Mol Cell Cardiol** 1987 May;19 Suppl 2:49–62 (56 ref.)

Electrophysiology of calcium antagonists. Sperelakis N. **J Mol Cell Cardiol** 1987 May;19 Suppl 2:19–47 (80 ref.)

Characterization of the actions of toxins II-9.2.2 and II-10 from the venom of the scorpion Centruroides noxius on transmitter release from mouse brain synaptosomes. Sitges M, et al. **J Neurochem** 1987 Jun;48(6):1745–52

A TTX-resistant propagating calcium action potential. Stockbridge LL, et al. **J Neurophysiol** 1986 Dec; 56(6):1669–79

Blockade of Ca2+ and K+ currents in bag cell neurons of Aplysia californica by dihydropyridine Ca2+ antagonists. Nerbonne JM, et al. **J Neurosci** 1987 Mar; 7(3):882–93

Nerve growth factor increases the number of functional Na channels and induces TTX-resistant Na channels in PC12 pheochromocytoma cells. Rudy B, et al. **J Neurosci** 1987 Jun;7(6):1613–25

Competitive inhibition of cardiac sodium channels by aprindine and lidocaine studied using a maximum upstroke velocity of action potential in guinea pig ventricular muscles. Kodama I, et al. **J Pharmacol Exp Ther** 1987 Jun; 241(3):1065–71

Do calcium antagonists act directly on calcium channels to alter baroreceptor function? Kunze DL, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):303–10

Inhibitory effects of calcium channel agonists on renin release from rat kidney cortical slices. Matsumura Y, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):1000–5

Actions of ethanol on voltage-sensitive sodium channels: effects of acute and chronic ethanol treatment. Mullin MJ, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):541–7

Mechanism of sodium channel block in crayfish giant axons by 711389-S, a new antiarrhythmic drug. Muramatsu I, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):269–76

Ryanodine: antithetical calcium channel effects in skeletal muscle sarcoplasmic reticulum. Nelson TE. **J Pharmacol Exp Ther** 1987 Jul;242(1):56–61

Geographutoxin II, a novel peptide inhibitor of Na channels of skeletal muscles and autonomic nerves. Ohizumi Y, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):243–8

Dendrotoxin blocks potassium channels and slows sodium inactivation in Myxicola giant axons. Schauf CL. **J Pharmacol Exp Ther** 1987 Jun;241(3):793–6

'Concentration-clamp' study of gamma-aminobutyric-acid-induced chloride current kinetics in frog sensory neurones. Akaike N, et al. **J Physiol (Lond)** 1986 Oct;379:171–85

Dissociation between force and intracellular sodium activity with strophanthidin in isolated sheep Purkinje fibres. Boyett MR, et al. **J Physiol (Lond)** 1986 Dec;381:311–31

Modulation of potassium conductances by an endogenous neuropeptide in neurones of Aplysia californica. Brezina V, et al. **J Physiol (Lond)** 1987 Jan;382:267–90

An enzymatic mechanism for calcium current inactivation in dialysed Helix neurones. Chad JE, et al. **J Physiol (Lond)** 1986 Sep;378:31–51

Stabilization of sodium channel states by deltamethrin in mouse neuroblastoma cells. Chinn K, et al. **J Physiol (Lond)** 1986 Nov;380:191–207

Mechanism of action of acetylcholine on calcium current in single cells from frog ventricle. Fischmeister R, et al. **J Physiol (Lond)** 1986 Jul;376:183–202

Noradrenaline modulates calcium channels in avian dorsal root ganglion cells through tight receptor-channel coupling. Forscher P, et al. **J Physiol (Lond)** 1986 Oct; 379:131–44

The involvement of basolateral potassium channels in the intestinal response to secretagogues in the rat. Hardcastle J, et al. **J Physiol (Lond)** 1986 Oct;379:331–45

Inactivation of calcium channel current in rat uterine smooth muscle: evidence for calcium- and voltage-mediated mechanisms. Jmari K, et al. **J Physiol (Lond)** 1986 Nov; 380:111–26

Acetylcholine modulation of the conductance of intercellular junctions between rat lacrimal cells. Neyton J, et al. **J Physiol (Lond)** 1986 Aug;377:283–95

The effects of rubidium ions on components of the potassium conductance in the frog node of Ranvier. Plant TD. **J Physiol (Lond)** 1986 Jun;375:81–105

The order of addition of sodium and release of potassium at the inside of the sodium pump of the human red cell. Sachs JR. **J Physiol (Lond)** 1986 Dec;381:149–68

Glycolysis and oxidative phosphorylation during activation of the sodium pump in the taenia from guinea-pig caecum. Takai A, et al. **J Physiol (Lond)** 1986 Dec;381:65–75

Lidocaine blockage of basolateral potassium channels in the amphibian urinary bladder. Van Driessche W. **J Physiol (Lond)** 1986 Dec;381:575–93

Effects of harmaline on ion transport and oxygen consumption by the bovine tracheal epithelium. Schoenenweid F, et al. **J Physiol (Paris)** 1986;81(1):19–25

Wedensky phenomenon by d-tubocurarine or prostigmine in the isolated rat diaphragm. Effects of the medium cooling and of changes in the Ca++-concentration. Aragno R, et al. **J Sports Med Phys Fitness** 1986 Dec;26(4):390–7

Calcium channel blockade and contractile responses in the isolated human vas deferens. Fovaeus M, et al. **J Urol** 1987 Sep;138(3):654–8

Comparison of calcium antagonist properties of antispasmotic agents. Malkowicz SB, et al. **J Urol** 1987 Sep;138(3):667–70

Open and inactivated sodium channel block by class-I antiarrhythmic drugs. Kodama I, et al. **Jpn Heart J** 1986 Nov;27 Suppl 1:83–9

The voltage-dependent effect of 1,4-dihydropyridine enantiomers on Ca channels in cardiac cells. Kokubun S, et al. **Jpn Heart J** 1986 Nov;27 Suppl 1:57–63

Beta-adrenergic modulation of the slow gating process of cardiac calcium channels. Ochi R, et al. **Jpn Heart J** 1986 Nov;27 Suppl 1:51–5

Phasic contractions of canine and human coronary arteries induced by potassium channel blockers. Uchida Y, et al. **Jpn Heart J** 1986 Sep;27(5):727–40

Effects of Bay K 8644 on the electrically evoked and KCl-evoked norepinephrine release and the corresponding contraction in isolated canine saphenous veins. Takata Y, et al. **Jpn J Pharmacol** 1987 Apr;43(4):458–61

Effects of standard diuretics and RPH 2823 on transepithelial Na+ transport in isolated frog skin. Kipnowski J, et al. **Klin Wochenschr** 1986 Aug 15;64(16):750–9

Sodium pump inhibitor in the serum of patients with essential hypertension and its partial purification from hemofiltrate. Kuske R, et al. **Klin Wochenschr** 1987;65 Suppl 8:53–9

gamma-Aminobutyric acid (GABA)- and barbiturate-mediated 36Cl- uptake in rat brain synaptoneurosomes: evidence for rapid desensitization of the GABA receptor-coupled chloride ion channel. Schwartz RD, et al. **Mol Pharmacol** 1986 Nov;30(5):419–26

Single apamin-blocked Ca-activated K+ channels of small conductance in cultured rat skeletal muscle. Blatz AL, et al. **Nature** 1986 Oct 23–29;323(6090):718–20

Multiple-conductance channels activated by excitatory amino acids in cerebellar neurons. Cull-Candy SG, et al. **Nature** 1987 Feb 5–11;325(6104):525–8

Glutamate activates multiple single channel conductances in hippocampal neurons. Jahr CE, et al. **Nature** 1987 Feb 5–11; 325(6104):522–5

Glycine potentiates the NMDA response in cultured mouse brain neurons. Johnson JW, et al. **Nature** 1987 Feb 5–11; 325(6104):529–31

Inhibition of ion transport in Ehrlich cells by muzolimine. Geck P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jul;333(3):323–9

Removal of inactivation and blockade of cardiac Na+ channels by DPI 201-106: different voltage-dependencies of the drug actions. Kohlhardt M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Feb; 335(2):183–8

Quinidine inhibition of the muscarine receptor-activated K+ channel current in atrial cells of guinea pig. Kurachi Y, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Feb; 335(2):216–8

Direct and indirect effects of ciguatoxin on guinea-pig atria and papillary muscles. Lewis RJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Nov; 334(3):313–22

Blockage of the fast sodium current by dimethindene in frog auricular fibres. Mészáros J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Mar; 335(3):321–5

Voltage-dependent effects of YC-170, a dihydropyridine calcium channel modulator, in cardiovascular tissues. Nakaya H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Aug; 333(4):421–30

Effects of two dihydropyridine calcium channel blockers on cerebral metabolism and blood flow in traumatized rat brain. Archer DP, et al. **Neurochem Pathol** 1986 Oct; 5(2):117–30

Increased dihydropyridine-sensitive calcium channels in rat brain may underlie ethanol physical dependence. Dolin S, et al. **Neuropharmacology** 1987 Feb-Mar;26(2–3):275–9

A pyridazinyl derivative of gamma-aminobutyric acid (GABA), SR 95531, is a potent antagonist of Cl- channel opening regulated by GABAA receptors. Mienville JM, et al. **Neuropharmacology** 1987 Jul;26(7A):779–83

Excitatory action of BAYK8644 on hippocampal pyramidal neurones of the guinea pig in vitro. Docherty RJ, et al. **Neurosci Lett** 1986 Oct 8;70(2):239–44

Interaction of 1,4-dihydropyridines with somatic Ca currents in hippocampal CA1 neurones of the guinea pig in vitro. Docherty RJ, et al. **Neurosci Lett** 1986 Sep 25;70(1):110–5

Relative sensitivities of chromaffin cell calcium channels to organic and inorganic calcium antagonists. Gandia L, et al. **Neurosci Lett** 1987 Jun 26;77(3):333–8

Noradrenaline blocks potassium conductance in rat dentate granule cells in vitro. Haas HL, et al. **Neurosci Lett** 1987 Jul 22;78(2):171–4

Chlormethiazole acts on chloride channels in cultured spinal cord neurons. Hedlund B, et al. **Neurosci Lett** 1987 Jul 22;78(2):217–21

Acetylcholine modulates two types of presynaptic potassium channels in vertebrate motor nerve terminals. Hevron E, et al. **Neurosci Lett** 1986 Dec 3;72(1):87–92

4-aminopyridine activates a cholinergic chloride conductance in isolated Helix neurons. Ikemoto Y, et al. **Neurosci Lett** 1987 Apr 23;76(1):42–6

A study of amino acid-activated currents recorded from frog motoneurones in vitro. King AE, et al. **Neurosci Lett** 1987 May 6;76(2):179–84

Functional differences between 4-aminopyridine and tetraethylammonium-sensitive potassium channels in myelinated axons. Kocsis JD, et al. **Neurosci Lett** 1987 Mar 31;75(2):193–8

Inactivation of TTX-sensitive and TTX-insensitive sodium channels of rat myoballs. Ruppersberg JP, et al. **Neurosci Lett** 1987 Jul 22;78(2):166–70

Evidence for a magnesium-insensitive membrane resistance increase during NMDA-induced depolarizations in rat neocortical neurons in vitro. Sutor B, et al. **Neurosci Lett** 1987 Apr 10;75(3):317–22

Differential blocking action of synthetic omega-conotoxin on components of Ca2+ channel current in clonal GH3 cells. Suzuki N, et al. **Neurosci Lett** 1987 Mar 31; 75(2):235–9

A long-lasting inward current induced by intracellular injection of calcium ions in identified neurons of Helix pomatia. Walden J, et al. **Neurosci Lett** 1987 Apr 23; 76(1):53–7

Forskolin interaction with voltage-dependent K channels in Helix is not mediated by cyclic nucleotides. Watanabe K, et al. **Neurosci Lett** 1987 Jul 22;78(2):211–6

Dual actions of phorbol esters to decrease calcium and potassium conductances of mouse neurons. Werz MA, et al. **Neurosci Lett** 1987 Jul 9;78(1):101–6

Presynaptic Ca-antagonist omega-conotoxin irreversibly blocks N-type Ca-channels in chick sensory neurons. Kasai H, et al. **Neurosci Res** 1987 Feb;4(3):228–35

Membrane properties and intracellular biochemical processes during vasopressin-induced bursting activity in snail neurons. Onozuka M, et al. **Neurosci Res** 1986 Nov; 4(1):37–50

Calcium activated potassium channels in cultured astrocytes. Quandt FN, et al. **Neuroscience** 1986 Sep;19(1):29–41

Increased chloride permeability of amphibian epithelia treated with aldosterone. Beauwens R, et al. **Pflugers Arch** 1986 Dec;407(6):620–4

Changes of membrane currents in cardiac cells induced by long whole-cell recordings and tolbutamide. Belles B, et al. **Pflugers Arch** 1987 Aug;409(6):582–8

Characterization of human sweat duct chloride conductance by chloride channel blockers. Bijman J, et al. **Pflugers Arch** 1987 May;408(5):511–4

Blocking of the squid axon K+ channel by noxiustoxin: a toxin from the venom of the scorpion Centruroides noxius. Carbone E, et al. **Pflugers Arch** 1987 May;408(5):423–31

Dihydroouabain, a reversible inhibitor of the sodium pump in frog skin. Cox TC, et al. **Pflugers Arch** 1987 Jul; 409(3):323–7

Effect of adrenergic agonists on Ca2+-channel currents in single vascular smooth muscle cells. Droogmans G, et al. **Pflugers Arch** 1987 Jun;409(1–2):7–12

Local anaesthetic effects of benzene and structurally related molecules, including benzocaine, on the squid giant axon. Elliott JR, et al. **Pflugers Arch** 1987 Aug;409(6):589–95

The mechanisms of sodium current inhibition by benzocaine in the squid giant axon. Elliott JR, et al. **Pflugers Arch** 1987 Aug;409(6):596–600

Epinephrine activates outward rectifying K channel in Madin-Darby canine kidney cells. Kolb HA, et al. **Pflugers Arch** 1987 May;408(6):584–91

Action of benzocaine on sodium channels of frog nodes of Ranvier treated with chloramine-T. Meeder T, et al. **Pflugers Arch** 1987 Jul;409(3):265–73

Adenosine triphosphate-activated inward current in isolated smooth muscle cells from rat vas deferens. Nakazawa K, et al. **Pflugers Arch** 1987 Aug;409(6):644–6

Modified gating behaviour of aconitine treated single sodium channels from adult cardiac myocytes. Nilius B, et al. **Pflugers Arch** 1986 Dec;407(6):691–3

Dual effects of ATP on K+ currents of mouse pancreatic beta-cells. Ohno-Shosaku T, et al. **Pflugers Arch** 1987 Feb; 408(2):133–8

Modulation of ionic currents in smooth muscle balls of the rabbit intestine by intracellularly perfused ATP and cyclic AMP. Ohya Y, et al. **Pflugers Arch** 1987 May;408(5):465–73

D600 blocks the Ca2+ channel from the outer surface of smooth muscle cell membrane of the rabbit intestine and portal vein. Ohya Y, et al. **Pflugers Arch** 1987 Jan; 408(1):80–2

Dendrotoxin: a selective blocker of a non-inactivating potassium current in guinea-pig dorsal root ganglion neurones. Penner R, et al. **Pflugers Arch** 1986 Oct; 407(4):365–9

Electrophysiological studies in principal cells of rat cortical collecting tubules. ADH increases the apical membrane Na+-conductance. Schlatter E, et al. **Pflugers Arch** 1987 Jun;409(1–2):81–92

Effect of menthol on two types of Ca currents in cultured sensory neurons of vertebrates. Swandulla D, et al. **Pflugers Arch** 1987 Jun;409(1–2):52–9

Blocking actions of Ca2+ antagonists on the Ca2+ channels in the smooth muscle cell membrane of rabbit small intestine. Terada K, et al. **Pflugers Arch** 1987 May; 408(6):552–7

Suppression of charge movement by calcium antagonists is not related to calcium channel block. Walsh KB, et al. **Pflugers Arch** 1987 Jun;409(1–2):217–9

Cl(-)-channel blockers in the thick ascending limb of the loop of Henle. Structure activity relationship. Wangemann P, et al. **Pflugers Arch** 1986;407 Suppl 2:S128–41

Tetraethylammonium blockade of calcium-activated potassium channels in clonal anterior pituitary cells. Wong BS, et al. **Pflugers Arch** 1986 Sep;407(3):279–84

Calcium antagonism and calcium entry blockade. Godfraind T, et al. **Pharmacol Rev** 1986 Dec;38(4):321–416 (1190 ref.)

Dendrotoxins: snake toxins that block potassium channels and facilitate neurotransmitter release. Harvey AL, et al. **Pharmacol Ther** 1985;31(1–2):33–55 (69 ref.)

Arachidonate has a positive effect on the electrogenic sodium-potassium pump in the mouse diaphragm. Vyskočil P, et al. **Physiol Bohemoslov** 1987;36(2):167–9

Dynorphin A selectively reduces a large transient (N-type) calcium current of mouse dorsal root ganglion neurons in cell culture. Gross RA, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5469–73

Mevinolin, an inhibitor of cholesterol biosynthesis, drastically depresses Ca2+ channel activity and uncouples excitation from contraction in cardiac cells in culture. Renaud JF, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):8007–11

Regulation by cell metabolism and adenine nucleotides of a K channel in insulin-secreting B cells (RIN m5F). Ribalet B, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1721–5

Expression of an omega-conotoxin-sensitive calcium channel in Xenopus oocytes injected with mRNA from Torpedo electric lobe. Umbach JA, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5464–8

The potassium current activated by 2-nicotinamidoethyl nitrate (nicorandil) in single ventricular cells of guinea pigs. Kakei M, et al. **Proc R Soc Lond [Biol]** 1986 Dec 22; 229(1256):331–43

Inositol trisphosphate activates a voltage-dependent calcium influx in Xenopus oocytes. Parker I, et al. **Proc R Soc Lond [Biol]** 1987 Jun 22;231(1262):27–36

The actions of halogenated ethers on the ionic currents of the squid giant axon. Urban BW, et al. **Proc R Soc Lond [Biol]** 1987 Jun 22;231(1262):13–26

Red blood cell Ca2+ pump ATPase: inhibition by compound 48/80. Hinds TR, et al. **Proc West Pharmacol Soc** 1987; 30:93–5

Blockade of slow calcium channels in skeletal muscle by opioid drugs. Kokate TG, et al. **Proc West Pharmacol Soc** 1987;30:161

Pharmacological differentiation of potassium conductances in the mammalian motor nerve terminal. Saint DA, et al. **Proc West Pharmacol Soc** 1987;30:201–3

Drug associated sodium channels inactivate and reactivate at more negative potentials than drug-free channels. Snyders DJ, et al. **Proc West Pharmacol Soc** 1987;30:149–51

The electrophysiology of potassium channels. Carlen PL. **Recent Dev Alcohol** 1987;5:347–56 (59 ref.)

Calcium channels. Interactions with ethanol and other sedative-hypnotic drugs. Leslie SW. **Recent Dev Alcohol** 1987;5:289–302 (83 ref.)

Effects of ethanol on the functional properties of sodium channels in brain synaptosomes. Mullin MJ, et al. **Recent Dev Alcohol** 1987;5:303–11 (32 ref.)

The effects of ethanol on the electrophysiology of calcium channels. Pozos RS, et al. **Recent Dev Alcohol** 1987; 5:327–45 (64 ref.)

The effects of sodium channel ligands on muscarinic receptor binding in mouse forebrain. Mack JE, et al. **Res Commun Chem Pathol Pharmacol** 1986 Oct;54(1):13–21

A transient calcium influx into airway smooth muscle cells induced by immunization. Souhrada M, et al. **Respir Physiol** 1987 Mar;67(3):323–34

Cyclic AMP-modulated potassium channels in murine B cells and their precursors. Choquet D, et al. **Science** 1987 Mar 6;235(4793):1211–4

State-dependent modification of sodium channels by lipid-soluble agonists. Hille B, et al. **Soc Gen Physiol Ser** 1987;41:109–24

Effects of permeant ions and blockers on properties of single calcium channels from brains. Nelson MT. **Soc Gen Physiol Ser** 1987;41:215–30

Activity of tralomethrin to modify the nerve membrane sodium channel. Brown LD, et al. **Toxicol Appl Pharmacol** 1987 Jul;89(3):305–13

Effects of ozone on airway epithelial permeability and ion transport. Stutts MJ, et al. **Toxicol Lett** 1987 Feb; 35(2–3):315–9

Inaction of saxitoxin-oximes on the sodium channel of frog skeletal muscle fibers. Hu SL, et al. **Toxicon** 1987; 25(2):159–65

Blockage of resting potassium conductance in frog muscle fibers by a toxin isolated from the sponge Haliclona viridis. Sevcik C, et al. **Toxicon** 1986;24(8):851–60

Effects of vanadate on cellular Ca2+ movements in guinea pig papillary muscles. Suh CK, et al. **Yonsei Med J** 1987; 28(1):23–30

[Research progress on a new potassium channel-blocking agent—4-aminopyridine] Zheng W, et al. **Sheng Li Ko Hsueh Chin Chan** 1986 Jul;17(3):254–8 (50 ref.) **(Chi)**

[Mechanisms of cellular action of anti-arrhythmia drugs] Motté G, et al. **Arch Mal Coeur** 1987 Jan;80(1):97–102 (8 ref.) **(Fre)**

[Calcium channels and calcium antagonists] Triggle DJ, et al. **Med Monatsschr Pharm** 1986 Dec;9(12):363–4 **(Ger)**

[Protective effect on the brain of ion-blockers in experimental head injury] Sasaki M, et al. **No Shinkei Geka** 1987 Feb; 15(2):151–6 (Eng. Abstr.) **(Jpn)**

[Fluctuation in the electric conductivity of lipid bilayers after one-sided application of polyene antibiotics] Bezrukov SM, et al. **Biofizika** 1987 May-Jun;32(3):526–8 (Eng. Abstr.) **(Rus)**

[Synchronization of calcium channel activity in mollusk neurons after treatment with ferricyanide and barium ions] Geletiuk VI, et al. **Biofizika** 1987 Jan-Feb;32(1):73–8 (Eng. Abstr.) **(Rus)**

[Interaction of local anesthetics with bilayer phospholipid membranes] Khashaev ZKh, et al. **Biofizika** 1987 Mar-Apr; 32(2):347–8 (Eng. Abstr.) **(Rus)**

[Structural-functional characteristics of argiopine—the ion channel blockers from the spider Argiope lobat- venom] Grishin EV, et al. **Bioorg Khim** 1986 Aug;12(a):1121–4 (Eng. Abstr.) **(Rus)**

[Dipyroxime as a blocker of ion channels activated by acetylcholine in rat skeletal muscle] Giniatullin RA, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):690–2 (Eng. Abstr.) **(Rus)**

[Blockade of thrombocyte calcium channels by cardiotropic compounds] Men'shikov MIu, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1986;9(2):25–30 (Eng. Abstr.) **(Rus)**

[Effect of ethmozin on the electrophysiologic parameters of Purkinje cells in the sheep heart. The frequency-dependent blockade of sodium channels] Undrovinas AI, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1986;9(2):8–15 (Eng. Abstr.) **(Rus)**

[Effect of phospholipase C on the voltage-dependent Ca-currents in the neuronal membrane] Chemeris NK, et al. **Dokl Akad Nauk SSSR** 1986;290(3):765–8 **(Rus)**

[Average characteristics of chlorine channels in the neuronal membrane activated by various n-cholinomimetics] Ivanova TT, et al. **Dokl Akad Nauk SSSR** 1986; 290(5):1264–7 **(Rus)**

[Modulation of calcium current by dopamine: the role of intracellular calcium] Safronova VG, et al. **Dokl Akad Nauk SSSR** 1987;294(6):1513–6 **(Rus)**

[Blocking of Ca-dependent K-conductivity—a possible common link in the mechanism of action of antimalaria agents] Sakharov DA, et al. **Dokl Akad Nauk SSSR** 1986 Nov-Dec;291(1):246–9 **(Rus)**

[Physicochemical characteristics of the inactivating potassium channels in the somatic membrane] Magura IS. **Fiziol Zh** 1986 Nov-Dec;32(6):656–64 (Eng. Abstr.) **(Rus)**

[Blockade of the open ion channel as the mechanism of the selective blocking of synaptic transmission] Skok VI. **Fiziol Zh** 1986 Nov-Dec;32(6):646–56 (55 ref.) (Eng. Abstr.) **(Rus)**

[Effect of insulin on the calcium current of the frog myocardium] Nakipova OV, et al. **Fiziol Zh SSSR** 1987 Apr;73(4):492–8 (Eng. Abstr.) **(Rus)**

[Ionophore-induced oscillations in erythrocytes. A kinetic model] Gol'dshtein BN, et al. **Mol Biol (Mosk)** 1987 Jan-Feb;21(1):132–9 (Eng. Abstr.) **(Rus)**

[L-glutamate-activated membrane conductance of spinal cord nerve cells during the early embryogenesis of the chicken] Baev KV, et al. **Neirofiziologiia** 1987;19(2):251–8 (Eng. Abstr.) **(Rus)**

[Changes in the density of L-glutamate- and glycine-activated currents in the membranes of spinal cord nerve cells in the early stages of chick embryo development] Baev KV, et al. **Neirofiziologiia** 1987; 19(3):406–13 (Eng. Abstr.) **(Rus)**

[ATP-activated ion conductance in isolated smooth muscle cells of the urinary bladder of the guinea pig] Marchenko SM, et al. **Neirofiziologiia** 1987;19(1):95–100 (Eng. Abstr.) **(Rus)**

[Effect of extracellular potassium ions on the potassium outward current which depends on extracellular calcium ions] Martyniuk AE. **Neirofiziologiia** 1987;19(3):351–6 (Eng. Abstr.) **(Rus)**

[Blocking action of calmidazolium and chlorpromazine on the potassium outward current which depends on intracellular calcium ions] Martyniuk AE. **Neirofiziologiia** 1987;19(3):356–61 (Eng. Abstr.) **(Rus)**

[Effect of glutaraldehyde on the activation and inactivation of sodium channels in frog nerve fibers] Mozhaeva GN, et al. **Neirofiziologiia** 1986;18(5):579–86 (Eng. Abstr.) **(Rus)**

[Effect of a water-soluble carbodiimide on the gating mechanism of "fast" sodium channels of the sensory neuron membrane of the rat] Naumov AP, et al. **Neirofiziologiia** 1987;19(1):46–53 (Eng. Abstr.) **(Rus)**

[Effect of Woodward's reagent K on tetrodotoxin-sensitive sodium channels of spinal ganglion neurons of the rat] Neguliaev IuA, et al. **Neirofiziologiia** 1986;18(6):839–42 (Eng. Abstr.) **(Rus)**

[Double action potentials in the command neurons of Helix pomatia in response to the action of cobalt ions] Palikhova TA, et al. **Neirofiziologiia** 1987;19(2):264–7 (Eng. Abstr.) **(Rus)**

[Effect of tetrodotoxin in low concentrations on the ion currents of trigeminal ganglion neurons in the rat] Pidoplichko VI. **Neirofiziologiia** 1986;18(6):723–9 (Eng. Abstr.) **(Rus)**

[Glycine-activated membrane conductance of spinal cord nerve cells of the 6—11-day old chick embryo] Rusin KI. **Neirofiziologiia** 1987;19(3):418–20 (Eng. Abstr.) **(Rus)**

[Effect of quinine on the calcium currents of mollusk neurons] Solntseva EI. **Neirofiziologiia** 1987;19(3):413–7 (Eng. Abstr.) **(Rus)**

[GABA-activated conductance of mammalian cerebellar neurons] Valeev AE, et al. **Neirofiziologiia** 1986;18(6):836–9 (Eng. Abstr.) **(Rus)**

[Relation between the modulating effect of estradiol on the secretion of the pituitary luteinizing hormone and calcium ions in ovariectomized animals] Sidneva LN, et al. **Probl Endokrinol (Mosk)** 1987 Jan-Feb;33(1):67–70 (Eng. Abstr.) **(Rus)**

[Cation transport and content in serum-stimulated CHO-773 cells. II. Late changes in rubidium influx and intracellular potassium content] Marakhova II, et al. **Tsitologiia** 1987 Feb;29(2):202–7 (Eng. Abstr.) **(Rus)**

[Changes in the currents across sodium channels as affected by blood serum on cultured neuroblastoma cells] Zubov AN, et al. **Tsitologiia** 1986 Dec;28(12):1336–44 (Eng. Abstr.) **(Rus)**

[Calcium permeability of synaptosomes induced by alpha-latrotoxin] Gimmel'reikh NG, et al. **Ukr Biokhim Zh** 1987 Mar-Apr;59(2):39–44 (Eng. Abstr.) **(Rus)**

[Interaction of alpha-latrotoxin with synaptosomes; metabolic control of the induction of calcium channels] Gimmel'reikh NG, et al. **Ukr Biokhim Zh** 1987 May-Jun; 59(3):29–34 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Regulation of the cardiac calcium channel by protein phosphatases. Hescheler J, et al. **Eur J Biochem** 1987 Jun 1;165(2):261–6

[Detection by thermal denaturation of damages to the Na pump in the myocardial sarcolemma in stress and the role of lipid peroxidation in this process] Sazontova TG. **Biull Eksp Biol Med** 1986 Dec;102(12):685–7 (Eng. Abstr.) **(Rus)**

GENETICS

Messenger RNA coding for only the alpha subunit of the rat brain Na channel is sufficient for expression of functional channels in Xenopus oocytes. Goldin AL, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7503–7

IMMUNOLOGY

Distribution and possible abnormality in antigenic composition of sodium channels in peripheral axons of dystrophic mice. Meiri H, et al. **Brain Res** 1986 Oct 8; 384(2):355–61

Monoclonal antibodies against the voltage-sensitive sodium channel from rat skeletal muscle: mapping antibody binding sites. Casadei JM, et al. **J Neurochem** 1987 Mar;48(3):773–8

METABOLISM

Receptor pharmacology of calcium entry blocking agents. Vaghy PL, et al. **Am J Cardiol** 1987 Jan 23;59(2):9A–17A

Calcium metabolism, renin activity, and the antihypertensive effects of calcium channel blockade. Resnick L. **Am J Med** 1986 Dec 15;81(6A):6–14

Ca-activated K channels in apical membrane of mammalian CCT, and their role in K secretion. Frindt G, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F458–67

Pig coronary artery smooth muscle: substrate and pH

dependence of the two calcium pumps. Grover AK, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):C529–34

Coupling of Na–H exchange and Na–K pump activity in cultured rat proximal tubule cells. Harris RC, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):C815–24

Na+–K+ pump in chronic renal failure. Kaji D, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F785–93 (86 ref.)

Biochemistry of sodium channels from mammalian muscle. Barchi RL. **Ann NY Acad Sci** 1986;479:179–85

Dihydropyridine–sensitive Ca2+ channels and inositol phospholipid metabolism in ethanol physical dependence. Hudspith MJ, et al. **Ann NY Acad Sci** 1987;492:156–70

High–STX–affinity vs. low–STX–affinity Na+ channel subtypes in nerve, heart, and skeletal muscle. Rogart RB. **Ann NY Acad Sci** 1986;479:402–30

Transmembrane ion distribution and insulin secretion. Ronner P. **Ann NY Acad Sci** 1986;488:341–55

On the mechanism by which saxitoxin binds to and blocks sodium channels. Strichartz G, et al. **Ann NY Acad Sci** 1986;479:96–112

Biosynthesis of electroplax sodium channels. Thornhill WB, et al. **Ann NY Acad Sci** 1986;479:356–63

Proton–translocating ATPases. Al–Awqati Q. **Annu Rev Cell Biol** 1986;2:179–99 (72 ref.)

Recent advances in bacterial ion transport. Rosen BP. **Annu Rev Microbiol** 1986;40:263–86 (107 ref.)

Penetration of beta–lactams through Pseudomonas aeruginosa porin channels. Godfrey AJ, et al. **Antimicrob Agents Chemother** 1987 Aug;31(8):1216–21

Cytochemical studies of Ca++–ATPase activity in the vestibular epithelia of the guinea pig. Yoshihara T, et al. **Arch Otorhinolaryngol** 1987;243(6):417–23

Cytochemical localization of Ca++–ATPase activity in the lateral cochlear wall of the guinea pig. Yoshihara T, et al. **Arch Otorhinolaryngol** 1987;243(6):395–400

Point–mutated p21ras couples a muscarinic receptor to calcium channels and polyphosphoinositide hydrolysis. Chiarugi VP, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):591–9

Modulation of depolarization stimulated 45Ca2+ uptake in cultured neuronal cells by calcium channel activators and antagonists. Creba JA, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):581–9

Evidence for a junctional feet–ryanodine receptor complex from sarcoplasmic reticulum. Lai FA, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):704–9

Intestinal basolateral membrane Ca–ATPase activity with properties distinct from those of the Ca–pump. Moy TC, et al. **Biochem Biophys Res Commun** 1986 Dec 30; 141(3):979–85

Antibodies reveal the cytolocalization and subunit structure of the 1,4–dihydropyridine component of the neuronal Ca2+ channel. Schmid A, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):996–1002

The antidiabetic sulfonylurea glibenclamide is a potent blocker of the ATP–modulated K+ channel in insulin secreting cells. Schmid–Antomarchi H, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):21–5

Heterogeneity of presynaptic calcium channels revealed by species differences in the sensitivity of synaptosomal 45Ca entry to omega–conotoxin. Suszkiw JB, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1283–6

Looking for probes of gated channels: studies of the inhibition of glucose and choline transport in erythrocytes. Krupka RM, et al. **Biochem Cell Biol** 1986 Nov;64(11):1099–107

The effect of nerve growth factor on the development of sodium channels in PC12 cells. Reed JK, et al. **Biochem Cell Biol** 1986 Nov;64(11):1153–9

Photoaffinity labelling of the cardiac calcium channel. (–)–[3H]azidopine labels a 165 kDa polypeptide, and evidence against a [3H]–1,4–dihydropyridine–isothiocyanate being a calcium–channel–specific affinity ligand. Ferry DR, et al. **Biochem J** 1987 Apr 1;243(1):127–35

Calcium channels in normal and dystrophic hamster cardiac muscle. [3H]nitrendipine binding studies. Howlett SE, et al. **Biochem Pharmacol** 1987 Aug 15;36(16):2653–9

Use of antibodies specific to defined regions of scorpion alpha–toxin to study its interaction with its receptor site on the sodium channel. el Ayeb M, et al. **Biochemistry** 1986 Oct 21;25(21):6671–8

Characterization of the omega–conotoxin target. Evidence for tissue–specific heterogeneity in calcium channel types. Cruz LJ, et al. **Biochemistry** 1987 Feb 10;26(3):820–4

Membrane channel forming polypeptides. Molecular conformation and mitochondrial uncoupling activity of antiamoebin, an alpha–aminoisobutyric acid containing peptide. Das MK, et al. **Biochemistry** 1986 Nov 4; 25(22):7110–7

Monoclonal antibodies that coimmunoprecipitate the 1,4–dihydropyridine and phenylalkylamine receptors and reveal the Ca2+ channel structure. Vandaele S, et al. **Biochemistry** 1987 Jan 13;26(1):5–9

Anemone toxin II receptor site of the lobster nerve sodium channel. Studies in membrane vesicles and in proteoliposomes. Correa AM, et al. **Biochim Biophys Acta** 1987 Mar 12;897(3):406–22

Fluctuations of the Ca2+–activated K+ current in Aplysia neurones. Hartung K, et al. **Biochim Biophys Acta** 1987 Feb 12;897(1):201–5

Activation of anion channels by zymosan particles in membranes of peritoneal macrophages. Kolb HA, et al. **Biochim Biophys Acta** 1987 May 29;899(2):239–46

Fractal model of ion–channel kinetics. Liebovitch LS, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):173–80

Effects of phospholipases C and D on ordering of channel proteins in the mitochondrial outer membrane. Mannella CA. **Biochim Biophys Acta** 1986 Sep 25;861(1):67–73

Ion–transporting properties and ATPase activity of (Na+ + K+)–ATPase large subunit incorporated into bilayer lipid membranes. Mironova GD, et al. **Biochim Biophys Acta** 1986 Oct 9;861(2):224–36

Characterization of (Na+ + K+)–ATPase–liposomes. III. Controlled activation and inhibition of symmetric pumps by timed asymmetric ATP, RbCl, and cardiac glycoside addition. Rey HG, et al. **Biochim Biophys Acta** 1987 Jun 12;900(1):27–37

Cholesterol depletion affects the Ca2+ influx but not the Ca2+ pump in human erythrocytes. Rosier F, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):253–63

Modulation of Ca2+– and voltage–activated K+ channels by internal Mg2+ in salivary acinar cells. Squire LG, et al. **Biochim Biophys Acta** 1987 May 29;899(2):171–5

Voltage–dependent block by tetrodotoxin of the sodium channel in rabbit cardiac Purkinje fibers. Carmeliet E. **Biophys J** 1987 Jan;51(1):109–14

Statistical methods for model discrimination. Applications to gating kinetics and permeation of the acetylcholine receptor channel. Horn R. **Biophys J** 1987 Feb;51(2):255–63

Nerve membrane sodium channels as the target site of brevetoxins at neuromuscular junctions. Atchison WD, et al. **Br J Pharmacol** 1986 Dec;89(4):731–8

Relationship between beta–adrenoceptors and calcium channels in human ventricular myocardium. Ferry DR, et al. **Br J Pharmacol** 1987 Mar;90(3):447–57

Reversible inhibition of leucocyte sodium pumps by a circulating serum factor in essential hypertension [letter] Finotti P. **Br Med J [Clin Res]** 1986 Sep 13;293(6548):697

Reversible inhibition of leucocyte sodium pumps by circulating serum factor in essential hypertension [letter] Poston L, et al. **Br Med J [Clin Res]** 1986 Oct 18; 293(6553):1029

Regulation of voltage–dependent Ca2+ channels of neuronal cells by chronic changes in membrane potential. Delorme EM, et al. **Brain Res** 1986 Nov 5;397(1):189–92

Early appearance of cells bearing Na+ channels in developing mouse brain. A quantitative analysis using light microscopic autoradiography. Martin–Moutot N, et al. **Brain Res** 1987 Mar;429(1):43–51

Autoradiographic analysis in rat brain of the postnatal ontogeny of voltage–dependent Na+ channels, Ca2+–dependent K+ channels and slow Ca2+ channels identified as receptors for tetrodotoxin, apamin and (–)–desmethoxyverapamil. Mourre C, et al. **Brain Res** 1987 Aug 4;417(1):21–32

Acute stress enhances the activity of the GABA receptor–gated chloride ion channel in brain. Schwartz RD, et al. **Brain Res** 1987 May 12;411(1):151–5

Detection and photoaffinity labeling of the Ca2+–activated K+ channel–associated apamin receptor in cultured astrocytes from rat brain. Seagar MJ, et al. **Brain Res** 1987 May 19;411(2):226–30

Potassium channels in mouse neonate dorsal root ganglion cells: a patch–clamp study. Simonneau M, et al. **Brain Res** 1987 Jun 2;412(2):224–32

Culture environment and channel–mediated potassium fluxes in astrocytes. Walz W, et al. **Brain Res** 1987 Jun 2; 412(2):405–8

Hypothalamic regulation of sodium–potassium pump activity in skeletal muscle. Yoshimatsu H, et al. **Brain Res** 1986 Oct 1;384(1):17–22

Stimulation of Na+ pump in cardiac myocytes and intact ventricles by low doses of digitaloids is independent of beta–adrenergic stimulation. Bihler I, et al. **Can J Cardiol** 1986 Jul–Aug;2(4):230–5

Enhancement of voltage–gated Na+ channel current associated with multidrug resistance in human leukemia cells. Yamashita N, et al. **Cancer Res** 1987 Jul 15; 47(14):3736–41

Mechanisms of closure of cardiac sodium channels in rabbit ventricular myocytes: single–channel analysis. Grant AO, et al. **Circ Res** 1987 Jun;60(6):897–913

Intra– and extracellular actions of proton on the calcium current of isolated guinea pig ventricular cells. Irisawa H, et al. **Circ Res** 1986 Sep;59(3):348–55

The leucocyte sodium pump in healthy and obese subjects: the association of insulin with its activity. Ng LL, et al. **Clin Endocrinol (Oxf)** 1986 Oct;25(4):383–92

Differences in erythrocyte cation (sodium) transport between Chinese and non Chinese males. Arumanayagam M, et al. **Clin Exp Hypertens [A]** 1987;9(4):719–39

Irreversible changes in rat erythrocyte Na+ transport systems with progesterone and estradiol administration. Grichois ML, et al. **Clin Exp Hypertens [A]** 1986; 8(8):1295–311

Sodium pump parameters of red blood cells in men, women and women taking oral contraceptives. Smith JB, et al. **Clin Exp Hypertens [A]** 1986;8(7):1189–209

Cimetidine and ranitidine: a study of competitive and ion–channel blockade in the toad isolated rectus abdominis muscle. Gwee MC, et al. **Clin Exp Pharmacol Physiol** 1986 Aug;13(8):613–8

Normal calcium–activated potassium channel in red cells in type 2 diabetes. Burnett MA, et al. **Diabetes Res** 1987 May; 5(1):19–21

Ionic flux and mucosal ultrastructure in the rat bile–pancreatic duct. Effect of bile salt perfusion on duct integrity. Armstrong CP, et al. **Dig Dis Sci** 1987 Aug; 32(8):861–71

Jump rates for anisotropic particles. Model calculations for the transport of water molecules through membrane channels. Schröder H. **Eur Biophys J** 1987;14(6):321–8

A 50–kDa fragment from the NH2–terminus of the heavy subunit of Clostridium botulinum type A neurotoxin forms channels in lipid vesicles. Shone CC, et al. **Eur J Biochem** 1987 Aug 17;167(1):175–80

The 165–kDa peptide of the purified skeletal muscle dihydropyridine receptor contains the known regulatory sites of the calcium channel. Sieber M, et al. **Eur J Biochem** 1987 Aug 17;167(1):117–22

Stereoselective photoaffinity labelling of the purified 1,4–dihydropyridine receptor of the voltage–dependent calcium channel. Striessnig J, et al. **Eur J Biochem** 1986 Dec 15;161(3):603–9

Morphological alterations and changes in cellular cations induced by Clostridium perfringens type A enterotoxin in tissue culture cells. Sugimoto N, et al. **Eur J Epidemiol** 1985 Dec;1(4):264–73

Pharmacological characteristics of receptor–operated and potential–operated Ca2+ channels in rat aorta. Chiu AT, et al. **Eur J Pharmacol** 1986 Aug 7;127(1–2):1–8

Different target sizes of the voltage–dependent Ca2+ channel and the [3H]nitrendipine binding site in rat brain. Gredal O, et al. **Eur J Pharmacol** 1987 Apr 7;136(1):75–80

Calcium translocation during activation of alpha 1–adrenoceptor and voltage–operated channels in smooth muscle cells. Nelemans A, et al. **Eur J Pharmacol** 1987 Aug 4;140(1):39–46

Benzodiazepine interactions at neuronal and smooth muscle Ca2+ channels. Rampe D, et al. **Eur J Pharmacol** 1987 Feb 10;134(2):189–97

Selective modification of sodium channel gating by solvents and drugs. Schauf CL. **Eur J Pharmacol** 1987 Apr 7; 136(1):89–95

Characterization of the Na, K–ATPase pump in cultured bovine corneal endothelial cells. Savion N, et al. **Exp Eye Res** 1986 Sep;43(3):355–63

Prevention by calcitonin of the pathological modifications of the rabbit arterial wall induced by immunization with elastin peptides: effect on vascular smooth muscle permeability to ions. Jacob MP, et al. **Exp Mol Pathol** 1987 Jun;46(3):345–56

Two desensitization processes of GABA receptor from rat brain. Rapid measurements of chloride ion flux using quench–flow techniques. Cash DJ, et al. **FEBS Lett** 1987 Jun 8;217(1):129–33

Ciguatoxin and brevetoxins share a common receptor site on the neuronal voltage–dependent Na+ channel. Lombet A, et al. **FEBS Lett** 1987 Jul 27;219(2):355–9

Are Ca2+ channels in neutrophils activated by a rise in cytosolic free Ca2+? Nasmith PE, et al. **FEBS Lett** 1987 Aug 31;221(1):95–100

The neurotoxin histrionicotoxin interacts with the putative ion channel of the nicotinic acetylcholine receptors in the central nervous system. Rapier C, et al. **FEBS Lett** 1987 Feb 23;212(2):292–6

A modified nicotinic acetylcholine receptor lacking the 'ion channel amphipathic helices'. Roth B, et al. **FEBS Lett** 1987 Aug 31;221(1):172–8

Photoaffinity labelling of the phenylalkylamine receptor of the skeletal muscle transverse–tubule calcium channel. Striessnig J, et al. **FEBS Lett** 1987 Feb 23;212(2):247–53

Ion transport in human cecum, transverse colon, and sigmoid colon in vitro. Baseline and response to electrical stimulation of intrinsic nerves. Hubel KA, et al. **Gastroenterology** 1987 Feb;92(2):501–7

Impaired intestinal sodium and chloride transport in the blind loop syndrome of the rat. Schulzke JD, et al. **Gastroenterology** 1987 Mar;92(3):693–8

Simulation of molecular dynamics of water movement in ion channels. Aityan SK, et al. **Gen Physiol Biophys** 1986 Jun; 5(3):213–29

Effect of temperature on the inward rectifier and gramicidin A–induced channels in the membrane of frog skeletal muscle fibres. Caffier G, et al. **Gen Physiol Biophys** 1986 Feb;5(1):47–51

Modelling of the effects of Na+ and Ca2+ ions on the generation of action potentials by rabbit heart true pacemaker cells. Golovko VA, et al. **Gen Physiol Biophys** 1986 Dec;5(6):617–24

Some predictions concerning the calcium channel model with different conformational states. Kostyuk PG, et al. **Gen Physiol Biophys** 1986 Dec;5(6):649–54

TEA–insensitive K–channels in the crab giant axon. Soria B, et al. **Gen Physiol Biophys** 1986 Dec;5(6):575–80

Mouse soleus muscle Na–K pump activity: direct correlation with in vitro and in vivo oxygen consumption. Saddlier S, et al. **Horm Metab Res** 1986 Nov;18(11):757–60

Difference between human red blood cell Na+–Li+ countertransport and renal Na+–H+ exchange. Kahn AM. **Hypertension** 1987 Jan;9(1):7–12

Effect of cold pressor test–induced stress on leukocyte sodium transport and norepinephrine. Riozzi A, et al. **Hypertension** 1987 Jan;9(1):13–7

Sodium pump activity and calcium relaxation in vascular smooth muscle of deoxycorticosterone acetate–salt rats.

Soltis EE, et al. **Hypertension** 1986 Nov;8(11):1032–9
Kinetic analysis of erythrocyte Na+–K+ pump and cotransport in essential hypertension. Tuck ML, et al. **Hypertension** 1987 Aug;10(2):204–11
Sodium–lithium countertransport in ambulatory hypertensive and normotensive patients. Turner ST, et al. **Hypertension** 1987 Jan;9(1):24–34
Role of porins in outer membrane permeability. Hancock RE. **J Bacteriol** 1987 Mar;169(3):929–33 (49 ref.)
Sodium/proton antiporter in Streptococcus faecalis. Kakinuma Y. **J Bacteriol** 1987 Sep;169(9):3886–90
Lipopolysaccharide tightly bound to porin monomers and trimers from Escherichia coli K–12. Rocque WJ, et al. **J Bacteriol** 1987 Sep;169(9):4003–10
Ion permeability of ciliary membrane vesicles isolated from Tetrahymena. Single–channel recording study on the membrane reconstituted into a planar lipid bilayer. Kawahara S, et al. **J Biochem (Tokyo)** 1986 Dec; 100(6):1569–73
The influence of calcium pump coupling on the Arrhenius behavior of sarcoplasmic reticulum Ca2+–ATPase. King MD, et al. **J Bioenerg Biomembr** 1987 Feb;19(1):45–52
Identification of the receptor for omega–conotoxin in brain. Probable components of the calcium channel. Abe T, et al. **J Biol Chem** 1987 Jul 15;262(20):9877–82
Chromaffin cell calcium channel kinetics measured isotopically through fast calcium, strontium, and barium fluxes. Artalejo CR, et al. **J Biol Chem** 1987 Jan 15; 262(2):915–26
The epithelial sodium channel. Subunit number and location of the amiloride binding site. Benos DJ, et al. **J Biol Chem** 1987 Aug 5;262(22):10613–8
Identification and characterization of the high affinity [3H]ryanodine receptor of the junctional sarcoplasmic reticulum Ca2+ release channel. Campbell KP, et al. **J Biol Chem** 1987 May 15;262(14):6460–3
Solubilization and functional reconstitution of the cGMP–dependent cation channel from bovine rod outer segments. Cook NJ, et al. **J Biol Chem** 1986 Dec 25; 261(36):17033–9
Purification and characterization of the dihydropyridine–sensitive voltage–dependent calcium channel from cardiac tissue [published erratum appears in J Biol Chem 1987 Mar 15;262(8):3927] Cooper CL, et al. **J Biol Chem** 1987 Jan 15;262(2):509–12
Voltage–dependent activation and inactivation of calcium channels in PC12 cells. Correlation with neurotransmitter release. Di Virgilio F, et al. **J Biol Chem** 1987 Jul 5; 262(19):9189–95
Coupling factor B is a component of the Fo proton channel of mitochondrial H+–ATPase. Huang Y, et al. **J Biol Chem** 1987 Mar 5;262(7):3007–10
Phosphorylation of the 1,4–dihydropyridine receptor of the voltage–dependent Ca2+ channel by an intrinsic protein kinase in isolated triads from rabbit skeletal muscle. Imagawa T, et al. **J Biol Chem** 1987 Jun 15;262(17):8333–9
Control of cardiac sodium pump by long–chain acyl coenzymes A. Kakar SS, et al. **J Biol Chem** 1987 Jan 5; 262(1):42–5
Structural characterization of the 1,4–dihydropyridine receptor of the voltage–dependent Ca2+ channel from rabbit skeletal muscle. Evidence for two distinct high molecular weight subunits. Leung AT, et al. **J Biol Chem** 1987 Jun 15;262(17):7943–6
Functional properties of rat brain sodium channels lacking the beta 1 or beta 2 subunit. Messner DJ, et al. **J Biol Chem** 1986 Nov 15;261(32):14882–90
Purification of putative Ca2+ channel protein from rabbit skeletal muscle. Determination of the amino–terminal sequence. Nakayama N, et al. **J Biol Chem** 1987 May 15; 262(14):6572–6
Drug–induced Ca2+ release from isolated sarcoplasmic reticulum. II. Releases involving a Ca2+–induced Ca2+ release channel. Palade P. **J Biol Chem** 1987 May 5; 262(13):6142–8
The voltage–sensitive sodium channel from rabbit skeletal muscle. Chemical characterization of subunits. Roberts RH, et al. **J Biol Chem** 1987 Feb 15;262(5):2298–303
Purification of charybdotoxin, a specific inhibitor of the high–conductance Ca2+–activated K+ channel. Smith C, et al. **J Biol Chem** 1986 Nov 5;261(31):14607–13
Manoalide, a natural sesterterpenoid that inhibits calcium channels. Wheeler LA, et al. **J Biol Chem** 1987 May 15; 262(14):6531–8
Parathyroid hormone–activated calcium channels in an osteoblast–like clonal osteosarcoma cell line. cAMP–dependent and cAMP–independent calcium channels. Yamaguchi DT, et al. **J Biol Chem** 1987 Jun 5; 262(16):7711–8
Dihydropyridine–sensitive Ca2+ channels: molecular properties of interaction with Ca2+ channel blockers, purification, subunit structure, and differentiation. Lazdunski M, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 8:S13–9
Calcium channel receptor binding studies for diltiazem and its major metabolites: functional correlation to inhibition of portal vein myogenic activity. Schoemaker H, et al. **J Cardiovasc Pharmacol** 1987 Feb;9(2):173–80
Stimulation of beta–adrenoceptors inhibits calcium–dependent potassium–channels in mouse macrophages. Rosati C, et al. **J Cell Physiol** 1986 Dec; 129(3):310–4
Properties of the Na+–K+ pump in human red cells with increased number of pump sites. Halperin JA, et al. **J Clin Invest** 1987 Jul;80(1):128–37
Subcellular distribution of Ca2+ pumping sites in human neutrophils. Krause KH, et al. **J Clin Invest** 1987 Jul; 80(1):107–16
Cholinergic receptor–regulation of potassium channels and potassium transport in human submandibular acinar cells. Morris AP, et al. **J Dent Res** 1987 Feb;66(2):541–6
Effects of ion transport inhibition on rat mandibular gland secretion. Young JA, et al. **J Dent Res** 1987 Feb;66(2):531–6
Sodium transport and the cellular sodium transport pool of colonic epithelium: effects of sodium loading, aldosterone and lithium. Edmonds CJ, et al. **J Endocrinol** 1987 Feb; 112(2):247–52
Role of sodium influx in thyrotrophin action: effects of the sodium channel agonist veratridine and thyrotrophin on radioiodine turnover and membrane potential in cultured porcine thyroid cells. Manley SW, et al. **J Endocrinol** 1986 Sep;110(3):459–66
Allosteric effects of Mg2+ on the gating of Ca2+–activated K+ channels from mammalian skeletal muscle. Golowasch J, et al. **J Exp Biol** 1986 Sep;124:5–13
Changes in the expression of potassium channels during mouse T cell development. McKinnon D, et al. **J Exp Med** 1986 Dec 1;164(6):1846–61
Mechanism of ion transport through the anion–selective channel of the Pseudomonas aeruginosa outer membrane. Benz R, et al. **J Gen Physiol** 1987 Feb;89(2):275–95
Monovalent and divalent cation permeation in acetylcholine receptor channels. Ion transport related to structure. Dani JA, et al. **J Gen Physiol** 1987 Jun;89(6):959–83
On the mechanism of stimulation of the Na/K pump of LK sheep erythrocytes by anti–L antibody. Dunham P, et al. **J Gen Physiol** 1987 Jul;90(1):3–25
Single channel properties of newly synthesized acetylcholine receptors following denervation of mammalian skeletal muscle. Henderson LP, et al. **J Gen Physiol** 1987 Jun; 89(6):999–1014
Patch–clamp studies of isolated mouse olfactory receptor neurons. Maue RA, et al. **J Gen Physiol** 1987 Jul; 90(1):95–125
A comparison of calcium–activated potassium channel currents in cell–attached and excised patches. Pallotta BS, et al. **J Gen Physiol** 1987 Jun;89(6):985–97
Single channel measurements of the calcium release channel from skeletal muscle sarcoplasmic reticulum. Activation by Ca2+ and ATP and modulation by Mg2+. Smith JS, et al. **J Gen Physiol** 1986 Nov;88(5):573–88
Endogenous lignans—a potential endogenous digitalis. Braquet P, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S161–4
Structural and functional alterations of the cell membrane in the prehypertensive rat of the Okamoto Aoki strain. David–Dufilho M, et al. **J Hypertens [Suppl]** 1986 Oct; 4(3):S263–5
Measurement of circulating sodium–pump inhibitory activity in uraemia and essential hypertension. Stokes GS, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S376–8
Characterization of a Ca–dependent maxi K channel in the apical membrane of a cultured renal epithelium (JTC–12.P3). Kolb HA, et al. **J Membr Biol** 1986; 92(3):207–15
Single–channel analysis of the potassium permeability in HeLa cancer cells: evidence for a calcium–activated potassium channel of small unitary conductance. Sauvé R, et al. **J Membr Biol** 1986;92(3):269–82
Quantitative structure/activity relations based on use–dependent block and repriming kinetics in myocardium. Courtney KR. **J Mol Cell Cardiol** 1987 Mar; 19(3):319–30 (39 ref.)
Skeletal muscle Ca2+ channels. Avila–Sakar AJ, et al. **J Muscle Res Cell Motil** 1986 Aug;7(4):291–8
Isolation of membrane fractions with sodium channels sensitive to veratridine and tetrodotoxin from the electric organ of the eel Electrophorus electricus. Barnola FV, et al. **J Neurochem** 1987 Mar;48(3):846–52
Development of sodium channel protein during chemically induced differentiation of neuroblastoma cells. Baumgold J, et al. **J Neurochem** 1987 Apr;48(4):1264–9
Evidence that the peripheral–type benzodiazepine receptor ligand Ro 5–4864 inhibits beta–endorphin release from AtT–20 cells by blockade of voltage–dependent calcium channels. Bisserbe JC, et al. **J Neurochem** 1986 Nov; 47(5):1419–24
Insulin enhances development of functional voltage–dependent Ca2+ channels in aneurally cultured human muscle. Desnuelle C, et al. **J Neurochem** 1987 Oct; 49(4):1133–8
The effect of antibodies to gangliosides on Ca2+ channel–linked release of gamma–aminobutyric acid in rat brain slices. Frieder B, et al. **J Neurochem** 1987 Apr; 48(4):1048–52
Lectin–induced enhancement of voltage–dependent calcium flux and calcium channel antagonist binding. Greenberg DA, et al. **J Neurochem** 1987 Mar;48(3):888–94
Identification of neurotensin receptors associated with calcium channels and prolactin release in rat pituitary. Memo M, et al. **J Neurochem** 1986 Dec;47(6):1682–8
Evidence for a selective localization of voltage–sensitive Ca2+ channels in nerve cell bodies of corpus striatum. Sanna E, et al. **J Neurochem** 1986 Nov;47(5):1552–7
Lead enters bovine adrenal medullary cells through calcium channels. Simons TJ, et al. **J Neurochem** 1987 Feb; 48(2):383–9
Stress–induced changes in t–[35S]butylbicyclophosphorothionate binding to gamma–aminobutyric acid–gated chloride channels are mimicked by in vitro occupation of benzodiazepine receptors. Trullas R, et al. **J Neurochem** 1987 Sep; 49(3):968–74
Intracellular fluoride alters the kinetic properties of calcium currents facilitating the investigation of synaptic events in hippocampal neurons. Kay AR, et al. **J Neurosci** 1986 Oct; 6(10):2915–20
Ca channels induced in Xenopus oocytes by rat brain mRNA. Leonard JP, et al. **J Neurosci** 1987 Mar;7(3):875–81
Sodium channels in normal and regenerated feline ventral spinal roots. Querfurth HW, et al. **J Neurosci** 1987 Jun; 7(6):1705–16
Solubilization of the apamin receptor associated with a calcium–activated potassium channel from rat brain. Seagar MJ, et al. **J Neurosci** 1987 Feb;7(2):565–70
m–Azido–phencyclidine covalently labels the rat brain PCP receptor, a putative K channel. Sorensen RG, et al. **J Neurosci** 1986 Dec;6(12):3676–81
Mu–conotoxins share a common binding site with tetrodotoxin/saxitoxin on eel electroplax Na channels. Yanagawa Y, et al. **J Neurosci** 1987 May;7(5):1498–502
Influence of Mg++ on the effect of diltiazem to increase dihydropyridine binding to receptors on Ca++–channels in chick cardiac and skeletal muscle membranes. Maan AC, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):768–74
Actions of ethanol on voltage–sensitive sodium channels: effects on neurotoxin binding. Mullin MJ, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):536–40
Noncompetitive blockade of the nicotinic acetylcholine receptor–ion channel complex by an irreversible cholinesterase inhibitor. Rao KS, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):337–44
The reaction of ouabain with the sodium pump of guinea–pig myocardium in relation to its inotropic effect. Ebner F, et al. **J Physiol (Lond)** 1986 Oct;379:187–203
Transcellular sodium fluxes and pump activity in Necturus gall–bladder epithelial cells. Hill AE, et al. **J Physiol (Lond)** 1987 Jan;382:35–49
Regulation of the nicotinic acetylcholine receptor by protein phosphorylation. Huganir RL. **J Recept Res** 1987; 7(1–4):241–56
Structure and function of sodium channel. Noda M, et al. **J Recept Res** 1987;7(1–4):467–97
Stochastic description of the three–state model of the Na channel. Ashida H. **J Theor Biol** 1986 Jul 7;121(1):45–57
Exploration of apical sodium transport mechanisms in an epithelial model by network thermodynamic simulation of the effect of mucosal sodium depletion: I. Comparison of three different apical sodium permeability expressions. Mintz E, et al. **J Theor Biol** 1986 Nov 7;123(1):1–19
Exploration of apical sodium transport mechanisms in an epithelial model by network thermodynamic simulation of the effect of mucosal sodium depletion: II. An apical sodium channel and amiloride blocking. Mintz E, et al. **J Theor Biol** 1986 Nov 7;123(1):21–34
A theory of the saturable ohmic channel. Pickard WF. **J Theor Biol** 1986 Sep 7;122(1):1–6
Developmental changes in reperfusion injury. A comparison of intracellular cation accumulation in the newborn, neonatal, and adult heart. Pridjian AK, et al. **J Thorac Cardiovasc Surg** 1987 Mar;93(3):428–33
Cellular calcium metabolism in primary hypertension. Zidek W, et al. **Klin Wochenschr** 1987 Feb 16;65(4):155–60
Sodium–channel inhibitors produced by enteropathogenic Vibrio cholerae and Aeromonas hydrophila [letter] Tamplin ML, et al. **Lancet** 1987 Apr 25;1(8539):975
Correlation of changes in cardiac calcium channels with hemodynamics in Syrian hamster cardiomyopathy and heart failure. Finkel MS, et al. **Life Sci** 1987 Jul 13; 41(2):153–9
Photoaffinity labelling of a 33–35,000 dalton protein in cardiac, skeletal and smooth muscle membranes using a new 125I–labelled 1,4–dihydropyridine calcium channel antagonist. Sarmiento JG, et al. **Life Sci** 1986 Dec 22; 39(25):2401–9
Localizing cobalt in brain tissue: implications for the study of calcium channels. Meyer MA. **Med Hypotheses** 1986 Sep;21(1):117–8
Activation of calcium channels by maitotoxin. Login IS, et al. **Methods Enzymol** 1987;141:63–79
The relationship between the binding site of [3H]–d–cis–diltiazem and that of other non–dihydropyridine calcium entry blockers in cardiac sarcolemma. Balwierczak JL, et al. **Mol Pharmacol** 1987 Feb;31(2):175–9
Dihydropyridine binding and calcium channel function in clonal rat adrenal medullary tumor cells. Kunze DL, et al. **Mol Pharmacol** 1987 Apr;31(4):401–9
Ca2+–activated ryanodine binding: mechanisms of sensitivity and intensity modulation by Mg2+, caffeine, and adenine nucleotides. Pessah IN, et al. **Mol Pharmacol** 1987 Mar;31(3):232–8
Allosteric modulation of neurotoxin binding to voltage–sensitive sodium channels by Ptychodiscus brevis toxin 2. Sharkey RG, et al. **Mol Pharmacol** 1987 Mar; 31(3):273–8
Binding of [3H]batrachotoxinin A benzoate to specific sites

on rat cardiac sodium channels. Sheldon RS, et al. **Mol Pharmacol** 1986 Dec;30(6):617–23

Potassium channel blockers and impulse propagation in murine motor endplate disease. Bournaud R, et al. **Muscle Nerve** 1987 Jan;10(1):1–5

Sodium channel kinetics in normal and denervated rabbit muscle membrane. Kirsch GE, et al. **Muscle Nerve** 1986 Oct;9(8):738–47

G protein opening of K+ channels [letter] Birnbaumer L, et al. **Nature** 1987 May 7–13;327(6117):21–2

Direct measurement of proton transfer rates to a group controlling the dihydropyridine–sensitive Ca2+ channel. Prod'hom B, et al. **Nature** 1987 Sep 17–23;329(6136):243–6

Prostanoid synthesis by the rat urinary bladder: evidence for stimulation through muscarine receptor–linked calcium channels. Jeremy JY, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):463–7

Interaction of gephyrotoxin and indolizidine alkaloids with the nicotinic acetylcholine receptor–ion channel complex of Torpedo electroplax. Aronstam RS, et al. **Neurochem Res** 1986 Aug;11(8):1227–40

Inactivation of depolarization–induced calcium uptake in rat brain synaptosomes. Hoss W, et al. **Neurochem Res** 1986 Sep;11(9):1361–72

Benzodiazepine receptor modulation of [35S]TBPS binding to the chloride channel. Noncompetitive inhibition of classical benzodiazepines and competitive inhibition of the partial agonist, CGS 9895, by CGS 8216. Loo P, et al. **Neuropharmacology** 1987 Jul;26(7A):775–8

Binding of omega–conotoxin to receptor sites associated with the voltage–sensitive calcium channel. Abe T, et al. **Neurosci Lett** 1986 Nov 11;71(2):203–8

Phencyclidine and related drugs bind to the activated N–methyl–D–aspartate receptor–channel complex in rat brain membranes. Fagg GE. **Neurosci Lett** 1987 May 6; 76(2):221–7

Adrenaline–induced K+ efflux results in sodium pump stimulation in a sympathetic ganglion. Smith PA, et al. **Neurosci Lett** 1986 Oct 30;71(1):72–6

A low threshold calcium current recorded at physiological Ca concentrations in single frog atrial cells. Bonvallet R. **Pflugers Arch** 1987 May;408(5):540–2

Slow inactivation of the sodium current in rabbit cardiac Purkinje fibres. Carmeliet E. **Pflugers Arch** 1987 Jan; 408(1):18–26

Single glutamate–gated synaptic channels at the crayfish neuromuscular junction. II. Dependence of channel open time on glutamate concentration. Dudel J, et al. **Pflugers Arch** 1987 Mar;408(3):307–14

GTP and GDP activation of K+ channels that can be inhibited by ATP. Dunne MJ, et al. **Pflugers Arch** 1986 Nov;407(5):564–5

Single glutamate–gated synaptic channels at the crayfish neuromuscular junction. I. The effect of enzyme treatment. Franke C, et al. **Pflugers Arch** 1987 Mar;408(3):300–6

Net ion fluxes and zero flux limiting concentrations in rat upper colon and rectum during anaesthesia–induced aldosterone liberation. Fromm M, et al. **Pflugers Arch** 1987 Feb;408(2):185–93

Two distinct calcium–activated potassium currents in larval muscle fibres of Drosophila melanogaster. Gho M, et al. **Pflugers Arch** 1986 Nov;407(5):526–33

High–conductance K+ channel in apical membranes of principal cells cultured from rabbit renal cortical collecting duct anlagen. Gitter AH, et al. **Pflugers Arch** 1987 Mar; 408(3):282–90

Role of intracellular Mg2+ in the activation of muscarinic K+ channel in cardiac atrial cell membrane. Kurachi Y, et al. **Pflugers Arch** 1986 Nov;407(5):572–4

Evidence for two distinct calcium channels in rat vascular smooth muscle cells in short–term primary culture. Loirand G, et al. **Pflugers Arch** 1986 Nov;407(5):566–8

Non–selective cationic channel in primary cultured cells of brown adipose tissue. Siemen D, et al. **Pflugers Arch** 1987 May;408(5):534–6

Ca2+ and K+ current in cultured vascular smooth muscle cells from rat aorta. Toro L, et al. **Pflugers Arch** 1987 Apr; 408(4):417–9

Opposite effects of tolbutamide and diazoxide on the ATP–dependent K+ channel in mouse pancreatic beta–cells. Trube G, et al. **Pflugers Arch** 1986 Nov; 407(5):493–9

Hyperactivity of Ca channels in vasa deferentia smooth muscle of diabetic rats. Sakai Y, et al. **Pharmacol Biochem Behav** 1987 Jun;27(2):227–9

Muscarinic receptors activate calcium channels and calcium dependent potassium channels in NIE–115 neuroblastoma cells. Hedlund B, et al. **Pharmacol Toxicol** 1987 Feb; 60(2):156–60

Computer modeling of Ca2+ pump function of Ca2+–Mg2+–ATPase of sarcoplasmic reticulum. Haynes DH, et al. **Physiol Rev** 1987 Jan;67(1):244–84

Purification and subunit structure of the [3H]phenamil receptor associated with the renal apical Na+ channel. Barbry P, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(14):4836–40

Reconstituted voltage–sensitive sodium channel from Electrophorus electricus: chemical modifications that alter regulation of ion permeability. Cooper EC, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6282–6

The permeability of gamma–aminobutyric acid–gated chloride channels is described by the binding of a "cage" convulsant, t–butylbicyclophosphoro[35S]thionate. Havoundjian H, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(23):9241–4

Monoclonal antibody specific for the transverse tubular membrane of skeletal muscle activates the dihydropyridine–sensitive Ca2+ channel. Malouf NN, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5019–23

Mapping a region associated with Na channel inactivation using antibodies to a synthetic peptide corresponding to a part of the channel. Meiri H, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5058–62

Mu and delta receptors belong to a family of receptors that are coupled to potassium channels. North RA, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5487–91

Identification of two calcium channel receptor sites for [3H]nitrendipine in mammalian cardiac and smooth muscle membrane. Rogart RB, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7452–6

Rat brain serotonin receptors in Xenopus oocytes are coupled by intracellular calcium to endogenous channels. Takahashi T, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5063–7

Oxytocin and cAMP stimulate monovalent cation movements through a Ca2+–sensitive, amiloride–insensitive channel in the apical membrane of toad urinary bladder. Van Driessche W, et al. **Proc Natl Acad Sci USA** 1987 Jan; 84(1):313–7

Altered Ca–dependent fluxes of 42K in rat aorta during aldosterone–salt hypertension. Jones AW, et al. **Prog Clin Biol Res** 1986;219:265–79 (23 ref.)

Muscarinic, benzodiazepine, GABA, chloride channel and other binding sites in frontal cortex in hepatic coma in man. Lal S, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):243–50

Ultrastructural evidence in rabbit ear arteries that barium enters smooth muscle cells through calcium channels. Gilmore RS, et al. **Q J Exp Physiol** 1986 Jul;71(3):417–22

Effect of serum on sodium pump activity at various concentrations of internal and external sodium in mouse (3T3) and human (HeLa) cells. Lamb JF, et al. **Q J Exp Physiol** 1986 Jul;71(3):381–9

Involvement of neuronal chloride channels in ethanol intoxication, tolerance, and dependence. Allan AM, et al. **Recent Dev Alcohol** 1987;5:313–25 (65 ref.)

A G protein couples serotonin and GABAB receptors to the same channels in hippocampus. Andrade R, et al. **Science** 1986 Dec 5;234(4781):1261–5

Xenopus oocytes injected with rat uterine RNA express very slowly activating potassium currents. Boyle MB, et al. **Science** 1987 Mar 6;235(4793):1221–4

Increased numbers of ion channels promoted by an intracellular second messenger. Gunning R. **Science** 1987 Jan 2;235(4784):80–2

Single–channel and genetic analyses reveal two distinct A–type potassium channels in Drosophila. Solc CK, et al. **Science** 1987 May 29;236(4805):1094–8

[Ion transport in the erythrocytic membrane in uremia] Shen WT. **Chung Hua I Hsueh Tsa Chih** 1987 Jan;67(1):34–6 **(Chi)**

[Multiplicity of calcium permeabilities] Feltz A. **J Physiol (Paris)** 1986;81(3):162–7 (49 ref.) (Eng. Abstr.) **(Fre)**

[Biochemical and pharmacologic properties of the Ca2+ channel of skeletal muscle: appearance during myogenesis and the relation between its structure and function] Renaud JF, et al. **J Physiol (Paris)** 1986;81(3):177–84 (43 ref.) (Eng. Abstr.) **(Fre)**

[Analysis of sensory transducer processes of peripheral cold receptors] Schäfer K, et al. **DTW** 1987 Jan 8;94(1):27–30 (Eng. Abstr.) **(Ger)**

[Intracellular calcium: regulation and function] Kurtz A. **Schweiz Rundsch Med Prax** 1987 Feb 10;76(7):171–4 (Eng. Abstr.) **(Ger)**

[Neurogenic control of chloride secretion of the ileal mucosa] Schulzke JD, et al. **Z Gastroenterol** 1986 Sep;24 Suppl 3:62–9 **(Ger)**

[Mechanism of secretion of ion fluid in exocrine gland cells] Maruyama Y, et al. **Nippon Rinsho** 1986 Jul;44(7):1500–3 (11 ref.) **(Jpn)**

[Relation between gramicidin D and valinomycin–induced conductivity of lipid bilayer and cholesterol levels] Hianik T, et al. **Biofizika** 1987 May–Jun;32(3):458–61 (Eng. Abstr.) **(Rus)**

[Analysis of long–lived substates of the conductivity of single ion channels] Kazachenko VN, et al. **Biofizika** 1987 May–Jun;32(3):462–5 (Eng. Abstr.) **(Rus)**

[Cation–anion selectivity of staphylococcal channels in the lipid bilayer] Krasil'nikov OV, et al. **Biofizika** 1986 Jul–Aug;31(4):606–10 (Eng. Abstr.) **(Rus)**

[Channel–forming membrane protein (32 kD) from brown fat mitochondria] Mirzabekov TA, et al. **Biofizika** 1987 Mar–Apr;32(2):345–6 (Eng. Abstr.) **(Rus)**

[Interpretation of the phenomenon of K+ transport activation in Escherichia coli during transition to anaerobiosis] Puchkov EO, et al. **Biokhimiia** 1987 Mar; 52(3):452–8 (Eng. Abstr.) **(Rus)**

[Characteristics of the Na+–K+–cotransport system in the erythrocyte membrane of patients with hypertension and symptomatic (renal) hypertension] Kavtaradze VG, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):542–3 (Eng. Abstr.) **(Rus)**

[Aqueous pores of the protein globule in the sodium channel associated with its gating mechanism] Chizhmakov IV, et al. **Dokl Akad Nauk SSSR** 1987;292(4):989–92 **(Rus)**

[Effect of extracellular pH on the elementary characteristics of chloride channels in cholinergic membranes] Ivanova TT, et al. **Dokl Akad Nauk SSSR** 1986;291(3):712–5 **(Rus)**

[Alteration of the principle of independence of ion flux during movement of 2 types of ions through the gramicidin channel] Shchagina LV, et al. **Dokl Akad Nauk SSSR** 1987; 292(5):1257–60 **(Rus)**

[Kinetic pattern of a model of a calcium channel with 2 conformational states] Kostiuk PG, et al. **Neirofiziologiia** 1986;18(5):705–7 (Eng. Abstr.) **(Rus)**

[Cation transport and content in serum–stimulated CHO–773 cells. I. Rapid changes in rubidium and lithium influxes and intracellular sodium content] Marakhova II, et al. **Tsitologiia** 1987 Jan;29(1):59–65 (Eng. Abstr.) **(Rus)**

[Passive transport of Ca2+ in vesiculated preparations of myocardial sarcolemma] Marchenko SN, et al. **Ukr Biokhim Zh** 1986 Nov–Dec;58(6):70–3 (Eng. Abstr.) **(Rus)**

[Study of channel–forming properties of latrotoxin in liposomes] Trikash IO, et al. **Ukr Biokhim Zh** 1986 Nov–Dec;58(6):50–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Intracellular and extracellular action potentials in frog muscle fibre upon blocking the potassium conductivity. Radicheva N. **Acta Physiol Pharmacol Bulg** 1986;12(2):35–9

A patch–clamp study of excitatory amino acid activated channels. Ascher P, et al. **Adv Exp Med Biol** 1986; 203:507–11

A potassium channel modulated by glucose metabolism in rat pancreatic beta–cells. Ashcroft FM, et al. **Adv Exp Med Biol** 1986;211:53–62

K–channels in an insulin–secreting cell line: effects of ATP and sulphonylureas. Ashford ML, et al. **Adv Exp Med Biol** 1986;211:69–76

Ion channels in T lymphocytes. Cahalan MD, et al. **Adv Exp Med Biol** 1987;213:85–101

Glucose suppresses ATP–inhibited K–channels in pancreatic beta–cells. Cook DL, et al. **Adv Exp Med Biol** 1986; 211:63–7

Amino acid activated receptor–channels at peripheral and central synapses. Cull–Candy SG. **Adv Exp Med Biol** 1986; 203:513–23

Voltage–activated Ca2+ and K+ currents in an insulin–secreting cell line (RINm5F). Findlay I, et al. **Adv Exp Med Biol** 1986;211:177–87

Pharmacological properties of the chromaffin cell calcium channel. Garcia AG, et al. **Adv Exp Med Biol** 1986; 211:139–57

Potassium channels in adrenocortical and parathyroid cells. Lopez–Barneo J, et al. **Adv Exp Med Biol** 1986;211:125–37

Inhibition of K–channels in insulin secreting cells. Petersen OH, et al. **Adv Exp Med Biol** 1986;211:77–82

Electrophysiological measurements show marked differences in the properties of the pancreatic beta–cell K–channels from albino mice and a strain of ob/ob (obese) mice. Rosario LM. **Adv Exp Med Biol** 1986;211:95–107

Single K–channel activity in fish islet cells. Santos RM, et al. **Adv Exp Med Biol** 1986;211:109–23

Voltage–gated Ca current in pancreatic islet beta–cells. Satin LS, et al. **Adv Exp Med Biol** 1986;211:189–93

Calcium and potassium currents recorded from pancreatic beta–cells under voltage clamp control. Trube G, et al. **Adv Exp Med Biol** 1986;211:167–75

Mechanisms of calcium homeostasis in the polymorphonuclear leucocyte. Westwick J, et al. **Agents Actions** 1986 Oct;19(1–2):80–6 (66 ref.)

Calcium regulation in vascular smooth muscle contractility. Johns A, et al. **Am J Cardiol** 1987 Jan 23;59(2):18A–23A (46 ref.)

Type II PTH receptor–operated calcium channel and its importance for PTH peptide elevations in coronary artery disease. Hesch RD, et al. **Am J Nephrol** 1986;6 Suppl 1:155–61

Voltage–dependent Ba2+ block of K+ channels in apical membrane of frog skin. De Wolf I, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):C696–706

Calcium pump activity of sarcoplasmic reticulum in diabetic rat skeletal muscle. Ganguly PK, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):E515–23

Ca2+–activated K+ channels in cultured medullary thick ascending limb cells. Guggino SE, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):C121–7

Rectification of muscarinic K+ current by magnesium ion in guinea pig atrial cells. Horie M, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):H210–4

Regulation of single potassium ion channels from apical membrane of rabbit collecting tubule. Hunter M, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):F725–33

Voltage– and time–dependent block of iK1 underlying Ba2+–induced ventricular automaticity. Imoto Y, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):H325–33

Potassium channels in Necturus proximal tubule. Kawahara K, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F488–94

Developmental changes in the response of cardiac Purkinje fibers to SC–72–14. Morikawa Y, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):H771–6

Effects of cell Ca and pH on Na channels from rat cortical

collecting tubule. Palmer LG, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F333–9

Voltage-activated Na+ currents and their suppression by phorbol ester in clonal insulin-producing RINm5F cells. Rorsman P, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):C912–9

Basolateral potassium channels in renal proximal tubule. Sackin H, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F476–87

Changes in adrenergic pressor responses by calcium channel modulation in conscious dogs. Wynsen JC, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):H531–9

Calcium channels and calcium channel antagonists. Greenberg DA. **Ann Neurol** 1987 Apr;21(4):317–30 (203 ref.)

Tetrodotoxin, saxitoxin, and the molecular biology of the sodium channel. **Ann NY Acad Sci** 1986;479:1–445

The structure and function of the voltage-sensitive Na channel. Agnew WS, et al. **Ann NY Acad Sci** 1986; 479:238–56

Spatial relations of the neurotoxin binding sites on the sodium channel. Angelides K, et al. **Ann NY Acad Sci** 1986; 479:221–37

Distribution of sodium channels in muscle. Caldwell JH. **Ann NY Acad Sci** 1986;479:364–76

Structure and biosynthesis of neuronal sodium channels. Catterall WA, et al. **Ann NY Acad Sci** 1986;479:186–203

Analysis of mutations affecting sodium channels in Drosophila. Ganetzky B, et al. **Ann NY Acad Sci** 1986; 479:325–37

Genetic variants of voltage-sensitive sodium channels. Hall LM. **Ann NY Acad Sci** 1986;479:313–24

Functional reconstitution of purified sodium channels from brain in planar lipid bilayers. Hartshorne RP, et al. **Ann NY Acad Sci** 1986;479:293–305

Structure-activity relations of tetrodotoxin, saxitoxin, and analogues. Kao CY. **Ann NY Acad Sci** 1986;479:52–67

Properties of the sodium gating current in the squid giant axon. Keynes RD. **Ann NY Acad Sci** 1986;479:431–8

Block of sodium channels in planar lipid bilayers by guanidium toxins and calcium. Are the mechanisms of voltage dependence the same? Krueger BK, et al. **Ann NY Acad Sci** 1986;479:257–68

Polypeptide toxins as tools to study voltage-sensitive Na+ channels. Lazdunski M, et al. **Ann NY Acad Sci** 1986; 479:204–20

The sodium channel from Electrophorus electricus. Levinson SR, et al. **Ann NY Acad Sci** 1986;479:162–78

Interactions of scorpion toxins with the sodium channel. Meves H, et al. **Ann NY Acad Sci** 1986;479:113–32

Isochannels and blocking modes of voltage-dependent sodium channels. Moczydlowski E, et al. **Ann NY Acad Sci** 1986;479:269–92

Toxins that modulate the sodium channel gating mechanism. Narahashi T. **Ann NY Acad Sci** 1986;479:133–51

Regional specialization of the membrane of retinal glial cells and its importance to K+ spatial buffering. Newman EA. **Ann NY Acad Sci** 1986;481:273–86

Molecular structure of sodium channels. Numa S, et al. **Ann NY Acad Sci** 1986;479:338–55

Distribution and mobility of voltage-gated ion channels in skeletal muscle. Roberts WM, et al. **Ann NY Acad Sci** 1986; 479:377–84

Use- and voltage-dependent block of the sodium channel by saxitoxin. Salgado VL, et al. **Ann NY Acad Sci** 1986; 479:84–95

Kinetics of TTX-STX block of sodium channels. Ulbricht W, et al. **Ann NY Acad Sci** 1986;479:68–83

Single-channel studies of TTX-sensitive and TTX-resistant sodium channels in developing rat muscle reveal different open channel properties. Weiss RE, et al. **Ann NY Acad Sci** 1986;479:152–61

Molecular properties of ion permeation through sodium channels. Begenisich T. **Annu Rev Biophys Biophys Chem** 1987;16:247–63 (75 ref.)

Calcium channels: mechanisms of selectivity, permeation, and block. Tsien RW, et al. **Annu Rev Biophys Biophys Chem** 1987;16:265–90 (108 ref.)

Permeation in potassium channels: implications for channel structure. Yellen G. **Annu Rev Biophys Biophys Chem** 1987; 16:227–46 (80 ref.)

Three types of ion channels are present on the plasma membrane of Friend erythroleukemia cells. Arcangeli A, et al. **Biochem Biophys Res Commun** 1987 Aug 14; 146(3):1450–7

Acetylcholine blocks Ca++-induced closure of outward K+ currents in isolated patches of canine atrial myocyte sarcolemma. Bubien JK, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):1039–45

Effects of abscisic acid on K+ channels in Vicia faba guard cell protoplasts. Schauf CL, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):284–90

Cyclic AMP regulates the life time of acetylcholine-activated channels in cultured myotubes. Zani BM, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):243–9

Effects of angiotensin I converting enzyme inhibition and calcium channel blockade on plasma levels of active and inactive renin in conscious rabbits. Eisen V, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2331–5

Molecular basis for the function of ionic channels. Numa S. **Biochem Soc Symp** 1986;52:119–43 (68 ref.)

The surface compartment model: a theory of ion transport focused on ionic processes in the electrical double layers at membrane protein surfaces. Blank M. **Biochim Biophys Acta** 1987 Jun 24;906(2):277–94 (46 ref.)

Biochemical characterization of a genetically altered calmodulin in Paramecium. Burgess-Cassler A, et al. **Biochim Biophys Acta** 1987 Jul 7;913(3):321–8

Evidence for the existence of an inner membrane anion channel in mitochondria. Garlid KD, et al. **Biochim Biophys Acta** 1986;853(3–4):187–204 (172 ref.)

Temperature dependence of Ca2+-activated K+ currents in the membrane of human erythrocytes. Grygorczyk R. **Biochim Biophys Acta** 1987 Aug 20;902(2):159–68

Tryptophan interactions of gramicidin A' channels in lipids: a time-resolved fluorescence study. Masotti L, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):265–72

Channels produced by spider venoms in bilayer lipid membrane: mechanisms of ion transport and toxic action. Mironov SL, et al. **Biochim Biophys Acta** 1986 Nov 6; 862(1):185–98

Delayed activation of calcium pump during transient increases in cellular Ca2+ concentration and K+ conductance in hyperpolarizing human red cells. Scharff O, et al. **Biochim Biophys Acta** 1986 Oct 23;861(3):471–9

On the mechanism of channel-length dependence of gramicidin single-channel conductance. Urry DW, et al. **Biochim Biophys Acta** 1987 Aug 7;902(1):137–44

Recent advances in the characterization of epithelial ionic channels. Wills NK, et al. **Biochim Biophys Acta** 1987 Apr 27;906(1):1–31 (185 ref.)

Channel-closing activity of porins from Escherichia coli in bilayer lipid membranes. Xu GZ, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):57–64

Possible functional significance of a novel type of cardiac Ca channel. Nilius B. **Biomed Biochim Acta** 1986; 45(8):K37–45

Conformations of gramicidin A and its 9,11,13,15-phenylalanyl analog in dimethyl sulfoxide and chloroform. Heitz F, et al. **Biophys Chem** 1986 Jul; 24(2):149–60

Analysis of the ion transfer through the channel of 9,11,13,15-phenylalanylgramicidin A. Heitz F, et al. **Biophys Chem** 1986 Jul;24(2):143–8

The effects of n-pentane on voltage-clamped squid nerve sodium currents. A reinterpretation using kinetics of ordered systems. Rubinson KA. **Biophys Chem** 1986 Nov; 25(1):43–55

Closed channel-open channel equilibrium of the sodium channel of nerve. Simple models of macromolecular equilibria. Rubinson KA. **Biophys Chem** 1986 Nov; 25(1):57–72

The interaction of Cl- with a gramicidin-like channel. Sung SS, et al. **Biophys Chem** 1987 Jul;27(1):1–6

Electrostatic modeling of ion pores. Multipolar sources. Vayl IS, et al. **Biophys Chem** 1987 Jul;27(1):7–13

Supercharging: a method for improving patch-clamp performance. Armstrong CM, et al. **Biophys J** 1987 Jul; 52(1):133–6

Voltage-dependent block by tetrodotoxin of the sodium channel in rabbit cardiac Purkinje fibers. Carmeliet E. **Biophys J** 1987 Jan;51(1):109–14

Is the K permeability of the resting membrane controlled by the excitable K channel? Chang DC. **Biophys J** 1986 Dec;50(6):1095–100

On the effect of the intracellular calcium-sensitive K+ channel in the bursting pancreatic beta-cell. Chay TR. **Biophys J** 1986 Nov;50(5):765–77

Monovalent ion current through single calcium channels of skeletal muscle transverse tubules. Coronado R, et al. **Biophys J** 1987 Mar;51(3):497–502

Multi-ion conduction and selectivity in the high-conductance Ca++-activated K+ channel from skeletal muscle. Eisenman G, et al. **Biophys J** 1986 Dec; 50(6):1025–34

Gating current harmonics. IV. Dynamic properties of secondary activation kinetics in sodium channel gating. Fohlmeister JF, et al. **Biophys J** 1987 Feb;51(2):335–8

Reaction kinetic parameters for ion transport from steady-state current-voltage curves. Gradmann D, et al. **Biophys J** 1987 Apr;51(4):569–85

Gramicidin-mediated currents at very low permeant ion concentrations. Hainsworth AH, et al. **Biophys J** 1987 Jul; 52(1):109–13

Uniformly oriented gramicidin channels embedded in thick monodomain lecithin multilayers. Huang HW, et al. **Biophys J** 1987 Jun;51(6):989–92

Deformation free energy of bilayer membrane and its effect on gramicidin channel lifetime. Huang HW. **Biophys J** 1986 Dec;50(6):1061–70

Evidence for interactions between batrachotoxin-modified channels in hybrid neuroblastoma cells. Iwasa K, et al. **Biophys J** 1986 Sep;50(3):531–7

Stochastic theory of ion movement in channels with single-ion occupancy. Application to sodium permeation of gramicidin channels. Jakobsson E, et al. **Biophys J** 1987 Jul;52(1):33–45

How pore mouth charge distributions alter the permeability of transmembrane ionic channels. Jordan PC. **Biophys J** 1987 Feb;51(2):297–311

Modulation of aminopyridine block of potassium currents in squid axon. Kirsch GE, et al. **Biophys J** 1986 Oct; 50(4):637–44

Na channel kinetics during the spontaneous heart beat in embryonic chick ventricle cells. Mazzanti M, et al. **Biophys J** 1987 Jul;52(1):95–100

Regulation of the Na-conducting Ca channel during the cardiac action potential. Mazzanti M, et al. **Biophys J** 1987 Jan;51(1):115–21

Trapping single ions inside single ion channels. Miller C. **Biophys J** 1987 Jul;52(1):123–6

Effects of some chemical reagents on sodium current inactivation in myelinated nerve fibers of the frog. Rack M, et al. **Biophys J** 1986 Oct;50(4):557–64

Single channel and 45Ca2+ flux measurements of the cardiac sarcoplasmic reticulum calcium channel. Rousseau E, et al. **Biophys J** 1986 Nov;50(5):1009–14

Effects of benzocaine on the kinetics of normal and batrachotoxin-modified Na channels in frog node of Ranvier. Schneider MF, et al. **Biophys J** 1986 Sep; 50(3):523–30

External [K+] and the block of the K+ inward rectifier by external Cs+ in frog skeletal muscle. Senyk O. **Biophys J** 1986 Oct;50(4):677–83

Open sodium channel properties of single canine cardiac Purkinje cells. Sheets MF, et al. **Biophys J** 1987 Jul; 52(1):13–22

Simulation of voltage-driven hydrated cation transport through narrow transmembrane channels. Skerra A, et al. **Biophys J** 1987 Jun;51(6):977–83

Structure and dynamics of one-dimensional ionic solutions in biological transmembrane channels. Skerra A, et al. **Biophys J** 1987 Jun;51(6):969–76

Single-channel calcium and barium currents of large and small conductance from sarcoplasmic reticulum. Smith JS, et al. **Biophys J** 1986 Nov;50(5):921–8

Single-channel observations on the mu-opioid receptor. Smuda JW, et al. **Biophys J** 1986 Oct;50(4):759–60

Frequencies of paired open-closed durations of ion channels. Method of evaluation from single-channel recordings. Steinberg IZ. **Biophys J** 1987 Jul;52(1):47–55

Why is gramicidin valence selective? A theoretical study. Sung SS, et al. **Biophys J** 1987 Apr;51(4):661–72

Molecular and structural basis of resting and use-dependent block of sodium current defined using disopyramide analogues. Yeh JZ, et al. **Biophys J** 1987 Jan;51(1):123–35

Structural investigation of poly-L,D-proline, a synthetic ion channel across bilayer membranes: crystal structure and molecular conformation of two tetra-D,L-proline derivatives. Colapietro M, et al. **Biopolymers** 1986 Dec; 25(12):2227–36

Physiological properties of regenerated rat sciatic nerve following lesions at different postnatal ages. Bowe CM, et al. **Brain Res** 1987 Jul;431(1):123–31

Whole cell voltage clamp recordings from cultured neurons of the supraoptic area of neonatal rat hypothalamus. Cobbett P, et al. **Brain Res** 1987 Apr 14;409(1):175–80

Glutamate and aspartate activated channels and inhibitory synaptic currents in large cerebellar neurons grown in culture. Cull-Candy SG, et al. **Brain Res** 1987 Jan 27; 402(1):182–7

Involvement of a GTP-binding protein in mediation of serotonin and acetylcholine responses in Xenopus oocytes injected with rat brain messenger RNA. Dascal N, et al. **Brain Res** 1986 Dec;387(3):201–9

Potassium channel blockade induces rhythmic activity in a conditional burster neuron. Harris-Warrick RM, et al. **Brain Res** 1987 Jul 28;416(2):381–6

Different actions of intracellular free calcium on resting and GABA-gated chloride conductances. Inoue M, et al. **Brain Res** 1987 Feb 24;404(1–2):301–3

Calcium channel components of action potential in chick skeletal muscle cells developing in culture. Kano M, et al. **Brain Res** 1987 Apr;429(2):233–40

Mammalian optic nerve fibers display two pharmacologically distinct potassium channels. Kocsis JD, et al. **Brain Res** 1986 Sep 24;383(1–2):357–61

Single ion channel activity in peptidergic nerve terminals of the isolated rat neurohypophysis related to stimulation of neural stalk axons. Mason WT, et al. **Brain Res** 1986 Sep 24;383(1–2):279–86

Three types of muscarinic conductance changes in sympathetic neurons discriminately evoked by the different concentrations of acetylcholine. Mochida S, et al. **Brain Res** 1986 Sep 24;383(1–2):299–304

Variation of gap junction sensitivity to H ions with time of day. Moreno AP, et al. **Brain Res** 1987 Jan 1;400(1):181–4

Anomalous rectification in rat locus coeruleus neurons. Osmanović SS, et al. **Brain Res** 1987 Aug 4;417(1):161–6

Probable Ca2+-mediated inactivation of Ca2+ currents in mammalian brain neurons. Pitler TA, et al. **Brain Res** 1987 Apr 28;410(1):147–53

Regulation of single potassium channels by serotonin in the cell bodies of the tail mechanosensory neurons of Aplysia californica. Pollock JD, et al. **Brain Res** 1987 May 5; 410(2):367–70

Inactivating and non-inactivating outward current channels in cell-attached patches of Helix neurons. Ram JL, et al. **Brain Res** 1987 Mar 3;405(1):16–25

Spontaneous miniature outward currents in cultured bullfrog neurons. Satin LS, et al. **Brain Res** 1987 Jan 20;401(2):331–9

Activation of enkephalin receptors reduces calcium conductance in neuroblastoma cells. Shimahara T, et al. **Brain Res** 1987 Jul 14;415(2):357–61

Simultaneous measurements of Ca2+ currents and intracellular Ca2+ concentrations in single skeletal muscle fibers of the frog. Brum G, et al.

Can J Physiol Pharmacol 1987 Apr;65(4):681–5
Modification of sodium channel currents by lanthanum and lanthanide ions in human heart cells. Bustamante JO.
Can J Physiol Pharmacol 1987 Apr;65(4):591–7
Calmodulin antagonists inhibit dihydropyridine calcium channel activator (BAY–K–8644) induced cGMP synthesis in pituitary tumor cells. Heisler S.
Can J Physiol Pharmacol 1986 Jun;64(6):760–3
Potassium loss from hypoxic myocardium: influence of external K concentration. Leblanc N, et al.
Can J Physiol Pharmacol 1987 May;65(5):861–6
Ability of the Ca2+–selective microelectrodes to measure fast and local Ca2+ transients in nerve cells. Levy S, et al. **Can J Physiol Pharmacol** 1987 May;65(5):904–14 (75 ref.)
Effects of intracellular pH and calcium activity on ion currents in internally perfused neurons of the snail Lymnaea stagnalis. Moody WJ, et al. **Can J Physiol Pharmacol** 1987 May;65(5):994–1000
Properties of single Na+ channels in cut-open Myxicola giant axons. Schauf CL. **Can J Physiol Pharmacol** 1987 Apr;65(4):568–73
Anticonvulsants modify inactivation but not activation processes of sodium channels in Myxicola axons. Schauf CL. **Can J Physiol Pharmacol** 1987 Jun;65(6):1220–5
Single voltage-dependent K+ and Cl- channels in cultured rat astrocytes. Sonnhof U. **Can J Physiol Pharmacol** 1987 May;65(5):1043–50
Cationic membrane conductances induced by intracellularly elevated cAMP and Ca2+: measurements with ion-selective microelectrodes. Swandulla D.
Can J Physiol Pharmacol 1987 May;65(5):898–903
Changes in calcium channel activity in membranes from cis-diammine-dichloroplatinum(II)-resistant and -sensitive L1210 cells. Vassilev PM, et al. **Cancer Res** 1987 Jan 15; 47(2):519–22
Single- and multi-channel currents recorded with patch electrodes in mouse eggs. Peres A, et al.
Cell Biol Int Rep 1987 Jun;11(6):487–93
Axonal contribution to subthreshold currents in Aplysia bursting pacemaker neurons. Kramer RH.
Cell Mol Neurobiol 1986 Sep;6(3):239–53
Voltage-dependent mechanisms for raising intracellular free calcium concentration: calcium channels. Reuter H.
Ciba Found Symp 1986;122:5–22
Mechanism of early contractile failure during hypoxia in intact ferret heart: evidence for modulation of maximal Ca2+-activated force by inorganic phosphate. Kusuoka H, et al. **Circ Res** 1986 Sep;59(3):270–82
Analysis of the properties of binding of calcium-channel activators and inhibitors to dihydropyridine receptors in chick heart membranes. Maan AC, et al. **Circ Res** 1987 Sep;61(3):379–88
Maximal Ca2+-activated force elicited by tetanization of ferret papillary muscle and whole heart: mechanism and characteristics of steady contractile activation in intact myocardium. Marban E, et al. **Circ Res** 1986 Sep; 59(3):262–9
Voltage-tension relations in single frog atrial cardiac cells. Tarr M, et al. **Circ Res** 1986 Oct;59(4):447–55
Whole-cell and single-channel calcium currents of isolated smooth muscle cells from saphenous vein. Yatani A, et al. **Circ Res** 1987 Apr;60(4):523–33
Electrophysiology of single GABA receptor chloride channels. Bormann J. **Clin Neuropharmacol** 1986;9 Suppl 4:386–8
Factors modulating the sensitivity of the GABA receptor-gated chloride ion channel. Schwartz RD, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:389–91
Transcriptional and translational requirements for developmental alterations in acetylcholine receptor channel function in Xenopus myotomal muscle. Brehm P, et al. **Dev Biol** 1987 Sep;123(1):222–30
Acetylcholine receptor channels are present in undifferentiated satellite cells but not in embryonic myoblasts in culture. Cossu G, et al. **Dev Biol** 1987 Sep; 123(1):43–50
Patch clamp study of single glutamate channels during development in insect muscle. Saito M, et al. **Dev Biol** 1987 May;121(1):90–6
Cholinergic receptors, ion channels, neurotransmitter synthesis, and neurite outgrowth are independently regulated during the in vitro differentiation of a human neuroblastoma cell line. Gotti C, et al. **Differentiation** 1987; 34(2):144–55
Involvement of sodium channels and two types of calcium channels in the regulation of adrenocorticotropin release. Childs GV, et al. **Endocrinology** 1987 May;120(5):2059–69
Single chloride-permeable channels of large conductance in cultured cardiac cells of new-born rats. Coulombe A, et al. **Eur Biophys J** 1987;14(3):155–62
A physical model of sodium channel gating. Edmonds DT. **Eur Biophys J** 1987;14(4):195–201
Patch clamp characterization of sodium channels expressed from rat brain cDNA. Stühmer W, et al.
Eur Biophys J 1987;14(3):131–8
Lack of involvement of Ca2+ conductance change in ATP-induced depolarization of the guinea-pig vas deferens. Wakui M, et al. **Eur J Pharmacol** 1987 Apr 29; 136(3):287–94
Paroxysmal neuronal depolarizations in the rat motorcortex in vivo: intracellular injection of the calcium agonist BAY K 8644. Walden J, et al. **Exp Brain Res** 1986;64(3):607–9
Single acetylcholine-activated channels in cultured rhabdomyoblasts. Grassi F, et al. **Exp Cell Res** 1987 Aug; 171(2):498–502
A possible role for K+ channels in tumor cell injury. Membrane vesicle shedding and nuclear DNA fragmentation. Liepins A, et al. **Exp Cell Res** 1987 Apr; 169(2):385–94
Pathways of Ca2+ influx at the plasma membrane: voltage-, receptor-, and second messenger-operated channels. Meldolesi J, et al. **Exp Cell Res** 1987 Aug;171(2):271–83 (92 ref.)
Differential sensitivity of amphibian nodal and paranodal K+ channels to 4-aminopyridine and TEA. Schauf CL.
Experientia 1987 Apr 15;43(4):405–8
Identification of two toxins from scorpion (Leiurus quinquestriatus) venom which block distinct classes of calcium-activated potassium channel. Castle NA, et al.
FEBS Lett 1986 Dec 1;209(1):117–21
Intracellular ADP activates K+ channels that are inhibited by ATP in an insulin-secreting cell line. Dunne MJ, et al. **FEBS Lett** 1986 Nov 10;208(1):59–62
Single-channel activity in sea urchin sperm revealed by the patch-clamp technique. Guerrero A, et al. **FEBS Lett** 1987 Aug 17;220(2):295–8
Membrane current responses to intracellular injections of inositol 1,3,4,5-tetrakisphosphate and inositol 1,3,4-trisphosphate in NG108-15 hybrid cells. Higashida H, et al. **FEBS Lett** 1986 Nov 24;208(2):283–6
The ATP-sensitivity of K+ channels in rat pancreatic B-cells is modulated by ADP. Kakei M, et al.
FEBS Lett 1986 Nov 10;208(1):63–6
Voltage gating in porin channels. Lakey JH. **FEBS Lett** 1987 Jan 19;211(1):1–4
Scorpion venom inhibits selectively Ca2+-activated K+ channels in situ. Leneveu E, et al. **FEBS Lett** 1986 Dec 15;209(2):165–8
A large conductance, voltage- and calcium-activated K+ channel in the basolateral membrane of rat enterocytes. Morris AP, et al. **FEBS Lett** 1986 Sep 29;206(1):87–92
Chloride channel regulation in secretory epithelia. Frizzell RA, et al. **Fed Proc** 1986 Nov;45(12):2727–31
Regulation of single sodium channels in renal tissue: a role in sodium homeostasis. Hamilton KL, et al. **Fed Proc** 1986 Nov;45(12):2713–7
Potassium channels along the nephron. Hunter M, et al.
Fed Proc 1986 Nov;45(12):2723–6
Epithelial sodium channels: characterization by using the patch-clamp technique. Palmer LG, et al. **Fed Proc** 1986 Nov;45(12):2708–12
Potassium channels from chick lens epithelium. Rae JL.
Fed Proc 1986 Nov;45(12):2718–22
The patch clamp is more useful than anyone had expected. Sigworth FJ. **Fed Proc** 1986 Nov;45(12):2673–7 (26 ref.)
Spreading depression: metabolic and ionic implications. Gorio A. **Funct Neurol** 1986 Apr–Jun;1(2):203–5 (11 ref.)
Intrinsic neuronal electroresponsiveness and its possible role in epileptogenesis. Llinás RR. **Funct Neurol** 1986 Oct–Dec; 1(4):333–7
Electrophysiology of the GABAergic synapses. Strata P.
Funct Neurol 1986 Oct–Dec;1(4):339–44
The involvement of fast calcium channel activity in the selective activation of phasic contractions by partial depolarization in rat vas deferens smooth muscle. Langton PD, et al. **Gen Pharmacol** 1987;18(1):47–55
Stochastic description of sodium channel gating. Poledna J. **Gen Physiol Biophys** 1986 Apr;5(2):159–71
Reduced electrogenic sodium-potassium pump in arterioles during renovascular hypertension. Lombard JH, et al.
Hypertension 1987 Jun;9(6 Pt 2):III86–90
Reduced sodium concentration and increased sodium-potassium pump activity of erythrocytes in human hypertension. Simon G, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III13–8
Transmembrane ion fluxes during activation of human T lymphocytes: role of Ca2+, Na+/H+ exchange and phospholipid turnover. Gelfand EW, et al.
Immunol Rev 1987 Feb;95:59–87 (80 ref.)
The calcium paradox and the blood pressure. Singh RB.
Indian Heart J 1986 May–Jun;38(3):237–40
Calcium channels and histamine release from mast cells. West GB. **Int Arch Allergy Appl Immunol** 1987;84(1):101–2
Voltage-gated anion channel of the electric organ of Narke japonica incorporated into planar bilayers. Kanemasa T, et al. **J Biochem (Tokyo)** 1987 Apr;101(4):1025–32
Biological channels: focus on the outer mitochondrial membrane. **J Bioenerg Biomembr** 1987 Aug;19(4):305–407
Importance of the mitochondrial outer membrane channel as a model biological channel. Mannella CA, et al.
J Bioenerg Biomembr 1987 Aug;19(4):305–8 (23 ref.)
Channels in the mitochondrial outer membrane: evidence from patch clamp studies. Tedeschi H, et al.
J Bioenerg Biomembr 1987 Aug;19(4):321–7 (11 ref.)
Water movement during channel opening and closing. Zimmerberg J, et al. **J Bioenerg Biomembr** 1987 Aug; 19(4):351–8 (21 ref.)
Inhibition of ATP-regulated K+ channels precedes depolarization-induced increase in cytoplasmic free Ca2+ concentration in pancreatic beta-cells. Arkhammar P, et al. **J Biol Chem** 1987 Apr 25;262(12):5448–54
Regulation of calcium channels in aortic muscle cells by protein kinase C activators (diacylglycerol and phorbol esters) and by peptides (vasopressin and bombesin) that stimulate phosphoinositide breakdown. Galizzi JP, et al.
J Biol Chem 1987 May 25;262(15):6947–50
Involvement of ion channels in the induction of proenkephalin A gene expression by nicotine and cAMP in bovine chromaffin cells. Kley N, et al. **J Biol Chem** 1987 Mar 25;262(9):4083–9
Hydrophobic properties of the beta 1 and beta 2 subunits of the rat brain sodium channel. Reber BF, et al.
J Biol Chem 1987 Aug 15;262(23):11369–74
Ionic channels in murine macrophages. Randriamampita C, et al. **J Cell Biol** 1987 Aug;105(2):761–9
Elevation of a potassium current in differentiating human leukemic (HL-60) cells. Wieland SJ, et al.
J Cell Physiol 1987 Aug;132(2):371–5
Cation depletion by the sodium pump in red cells with pathologic cation leaks. Sickle cells and xerocytes. Joiner CH, et al. **J Clin Invest** 1986 Dec;78(6):1487–96
K+ and Ca++ in the receptor lymph of arthropod cuticular mechanoreceptors. Grünert U, et al.
J Comp Physiol [A] 1987 Aug;161(2):329–33
Ion channels and receptors. Titisee, 9–14 March 1986.
J Exp Biol 1986 Sep;124:1–392
Regulation of ion channels by inositol trisphosphate and diacylglycerol. Berridge MJ. **J Exp Biol** 1986 Sep; 124:323–35
Receptors and ion channels. Evans PD, et al. **J Exp Biol** 1986 Sep;124:1–4
Phorbol esters, protein phosphorylation and the regulation of neuronal ion channels. Kaczmarek LK. **J Exp Biol** 1986 Sep;124:375–92
Ionic channels and hormone release from peptidergic nerve terminals [published erratum appears in J Exp Biol 1987 Mar;128:preceding 1] Lemos JR, et al. **J Exp Biol** 1986 Sep;124:53–72
Fine tuning of neuronal electrical activity: modulation of several ion channels by intracellular messengers in a single identified nerve cell. Lotshaw DP, et al. **J Exp Biol** 1986 Sep;124:307–22
Different types of calcium channels. McCleskey EW, et al.
J Exp Biol 1986 Sep;124:177–90
Muscarinic response in rat lacrimal glands. Marty A, et al.
J Exp Biol 1986 Sep;124:15–32
Ionic signalling by growth factor receptors. Moolenaar WH, et al. **J Exp Biol** 1986 Sep;124:359–73
Messenger-mediated control of potassium channels in secretory cells. Petersen OH, et al. **J Exp Biol** 1986 Sep; 124:33–52
Properties and modulation of cardiac calcium channels. Reuter H, et al. **J Exp Biol** 1986 Sep;124:191–201
Modulation of the serotonin-sensitive potassium channel in Aplysia sensory neurone cell body and growth cone. Siegelbaum SA, et al. **J Exp Biol** 1986 Sep;124:287–306
Two types of potassium channels in murine T lymphocytes. Decoursey TE, et al. **J Gen Physiol** 1987 Mar;89(3):379–404
Characterization of the basolateral membrane conductance of Necturus urinary bladder. Demarest JR, et al.
J Gen Physiol 1987 Apr;89(4):541–62
Interaction between the basolateral K+ and apical Na+ conductances in Necturus urinary bladder. Demarest JR, et al. **J Gen Physiol** 1987 Apr;89(4):563–80
Gating of Na channels. Inactivation modifiers discriminate among models. Gonoi T, et al. **J Gen Physiol** 1987 Feb; 89(2):253–74
Calcium channel selectivity for divalent and monovalent cations. Voltage and concentration dependence of single channel current in ventricular heart cells. Hess P, et al.
J Gen Physiol 1986 Sep;88(3):293–319
A time- and voltage-dependent K+ current in single cardiac cells from bullfrog atrium. Hume JR, et al.
J Gen Physiol 1986 Dec;88(6):777–98
Negative surface charge density near heart calcium channels. Relevance to block by dihydropyridines. Kass RS, et al.
J Gen Physiol 1987 Apr;89(4):629–44
Temperature dependence of Na currents in rabbit and frog muscle membranes. Kirsch GE, et al. **J Gen Physiol** 1987 Feb;89(2):239–51
Blockade of current through single calcium channels by Cd2+, Mg2+, and Ca2+. Voltage and concentration dependence of calcium entry into the pore. Lansman JB, et al. **J Gen Physiol** 1986 Sep;88(3):321–47
A patch-clamp study of histamine-secreting cells. Lindau M, et al. **J Gen Physiol** 1986 Sep;88(3):349–68
Ionic conductances of squid giant fiber lobe neurons. Llano I, et al. **J Gen Physiol** 1986 Oct;88(4):543–69
Contraction in voltage-clamped, internally perfused single heart cells. London B, et al. **J Gen Physiol** 1986 Oct; 88(4):475–505
Voltage-dependent modulation of Ca channel current in heart cells by Bay K8644. Sanguinetti MC, et al.
J Gen Physiol 1986 Sep;88(3):369–92
A time-dependent and voltage-sensitive K+ current in single cells from frog atrium. Simmons MA, et al.
J Gen Physiol 1986 Dec;88(6):739–55
Sodium channel gating currents. Origin of the rising phase. Stimers JR, et al. **J Gen Physiol** 1987 Apr;89(4):521–40
Rapid voltage-dependent dissociation of scorpion alpha-toxins coupled to Na channel inactivation in amphibian myelinated nerves. Strichartz GR, et al.
J Gen Physiol 1986 Sep;88(3):413–35
Alpha 1-adrenoceptor-mediated responses in the vascular smooth muscle of spontaneously hypertensive rats. Bhalla

RC, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S65–7

Single-channel analysis of the conductance fluctuations induced in lipid bilayer membranes by complement proteins C5b–9. Benz R, et al. **J Membr Biol** 1986;94(1):37–45

Voltage and Ca2+–activated K+ channel in cultured epithelial cells (MDCK). Bolivar JJ, et al. **J Membr Biol** 1987;97(1):43–51

A Ca–dependent K channel in "luminal" membranes from the renal outer medulla. Burnham C, et al. **J Membr Biol** 1986; 93(2):177–86

Nonselective ionic channels in Aplysia neurones. Chesnoy–Marchais D, et al. **J Membr Biol** 1986;93(1):75–83

A cation channel in frog lens epithelia responsive to pressure and calcium. Cooper KE, et al. **J Membr Biol** 1986; 93(3):259–69

Calcium and barium permeable channels from Aplysia nervous system reconstituted in lipid bilayers. Coyne MD, et al. **J Membr Biol** 1987;97(3):205–13

ATP–sensitive K+ channels in an insulin–secreting cell line are inhibited by D–glyceraldehyde and activated by membrane permeabilization. Dunne MJ, et al. **J Membr Biol** 1986;93(3):271–9

Ionic selectivity revisited: the role of kinetic and equilibrium processes in ion permeation through channels. Eisenman G, et al. **J Membr Biol** 1983;76(3):197–225 (128 ref.)

Ion channel subconductance states. Fox JA. **J Membr Biol** 1987;97(1):1–8 (75 ref.)

Direct inhibition of epithelial Na+ channels by a pH–dependent interaction with calcium, and by other divalent ions. Garty H, et al. **J Membr Biol** 1987; 95(2):151–62

Ionic channels and membrane hyperpolarization in human macrophages. Ince C, et al. **J Membr Biol** 1987;97(3):251–8

Inwardly rectifying single–channel and whole cell K+ currents in rat ventricular myocytes. Josephson IR, et al. **J Membr Biol** 1986;94(1):19–35

Reconstitution in phospholipid vesicles of calcium–activated potassium channel from outer renal medulla. Klaerke DA, et al. **J Membr Biol** 1987;95(2):105–12

Structure–activity relationship of amiloride analogs as blockers of epithelial Na channels: II. Side–chain modifications. Li JH, et al. **J Membr Biol** 1987;95(2):171–85

Potassium–selective ion channels in a transformed insulin–secreting cell line. Light DB, et al. **J Membr Biol** 1987;95(1):63–72

Ion channels in human macrophages compared with the U–937 cell line. McCann FV, et al. **J Membr Biol** 1987; 96(1):57–64

Voltage–dependent channel formation by rods of helical polypeptides. Menestrina G, et al. **J Membr Biol** 1986; 93(2):111–32

Evidence for multiple open states of sodium channels in neuroblastoma cells. Nagy K. **J Membr Biol** 1987; 96(3):251–62

Evidence for the involvement of calmodulin in the operation of Ca–activated K channels in mouse fibroblasts. Okada Y, et al. **J Membr Biol** 1987;96(2):121–8

Ion selectivity of epithelial Na channels. Palmer LG. **J Membr Biol** 1987;96(2):97–106 (50 ref.)

Single–channel current recordings of acetylcholine receptors in electroplax isolated from the Electrophorus electricus Main and Sachs' electric organs. Pasquale EB, et al. **J Membr Biol** 1986;93(2):195–204

Properties of an anion–selective channel from rat colonic enterocyte plasma membranes reconstituted into planar phospholipid bilayers. Reinhardt R, et al. **J Membr Biol** 1987;95(1):47–54

Oscillatory activation of calcium–dependent potassium channels in HeLa cells induced by histamine H1 receptor stimulation: a single–channel study. Sauvé R, et al. **J Membr Biol** 1987;96(3):199–208

On the equivalent pore radius. Solomon AK. **J Membr Biol** 1986;94(3):227–32

Regulation of K+ channels in the basolateral membrane of Necturus oxyntic cells. Ueda S, et al. **J Membr Biol** 1987; 97(1):31–41

Role of Ca2+ channel in development of tension in heart muscle. Morad M, et al. **J Mol Cell Cardiol** 1987 Jun; 19(6):527–53 (95 ref.)

Studies on mechanisms of calcium channel modulators. Schwartz A. **J Mol Cell Cardiol** 1987 May;19 Suppl 2:49–62 (56 ref.)

In vitro characterization of neurons in the ventral part of the nucleus tractus solitarius. II. Ionic basis for repetitive firing patterns. Dekin MS, et al. **J Neurophysiol** 1987 Jul; 58(1):215–29

Conductance changes underlying a late synaptic hyperpolarization in hippocampal CA3 neurons. Hablitz JJ, et al. **J Neurophysiol** 1987 Jul;58(1):160–79

Transient and delayed potassium currents in the Retzius cell of the leech, Macrobdella decora. Johansen J, et al. **J Neurophysiol** 1986 Sep;56(3):812–22

Sodium–potassium pump inhibitors increase neuronal excitability in the rat hippocampal slice: role of a Ca2+–dependent conductance. McCarren M, et al. **J Neurophysiol** 1987 Feb;57(2):496–509

Single voltage–dependent potassium channels in cultured rat hippocampal neurons. Rogawski MA. **J Neurophysiol** 1986 Aug;56(2):481–93

Voltage–dependent gating of single sodium channels from mammalian neuroblastoma cells. Aldrich RW, et al. **J Neurosci** 1987 Feb;7(2):418–31

Voltage–dependence of glycine–activated Cl– channels: a potentiometer for inhibition? Faber DS, et al. **J Neurosci** 1987 Mar;7(3):807–11

Immunocytochemical and electrophysiological differentiation of rat cerebellar granule cells in explant cultures. Hockberger PE, et al. **J Neurosci** 1987 May; 7(5):1370–83

Large depolarization induces long openings of voltage–dependent calcium channels in adrenal chromaffin cells. Hoshi T, et al. **J Neurosci** 1987 Feb;7(2):571–80

Membrane currents in identified lactotrophs of rat anterior pituitary. Lingle CJ, et al. **J Neurosci** 1986 Oct; 6(10):2995–3005

Distribution of potassium conductance in mammalian Müller (glial) cells: a comparative study. Newman EA. **J Neurosci** 1987 Aug;7(8):2423–32

Ionic channels in mouse astrocytes in culture. Nowak L, et al. **J Neurosci** 1987 Jan;7(1):101–9

Ionic mechanism of the outward current induced by intracellular injection of inositol trisphosphate into Aplysia neurons. Sawada M, et al. **J Neurosci** 1987 May; 7(5):1470–83

Gene dosage and complementation analysis of the Shaker locus in Drosophila. Timpe LC, et al. **J Neurosci** 1987 May; 7(5):1307–17

A preparation for patch clamp studies of labelled, identified neurones from guinea pig spinal cord. Gibb AJ, et al. **J Neurosci Methods** 1987 May;20(1):35–44

Acquisition and analysis of fast single channel kinetic data on an Apple IIe microcomputer. Kits KS, et al. **J Neurosci Methods** 1987 May;20(1):57–71

A computer method for the acquisition and analysis of patch–clamp single–channel currents. McCann FV, et al. **J Neurosci Methods** 1987 May;20(1):45–55

The role of NADPH– and reduced glutathione–dependent enzymes in the norepinephrine modulation of the ATP–dependent, hepatic microsomal calcium pump: a new pathway for the noradrenergic regulation of cytosolic calcium in the hepatocyte. Erickson RR, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):472–7

Concentration–dependent effects of prostacyclin on the response of the isolated guinea pig heart to ischemia and reperfusion: possible involvement of the slow inward current. Moffat MP. **J Pharmacol Exp Ther** 1987 Jul; 242(1):292–9

Heterogeneous kinetic properties of acetylcholine receptor channels in Xenopus myocytes. Auerbach A, et al. **J Physiol (Lond)** 1986 Sep;378:119–40

Ion activities and potassium uptake mechanisms of glial cells in guinea–pig olfactory cortex slices. Ballanyi K, et al. **J Physiol (Lond)** 1987 Jan;382:159–74

The conductance and density of sodium channels in the cut–open squid giant axon. Bekkers JM, et al. **J Physiol (Lond)** 1986 Aug;377:463–86

A quantitative description of the sodium current in the rat sympathetic neurone. Belluzzi O, et al. **J Physiol (Lond)** 1986 Nov;380:275–91

Quantitative description of three modes of activity of fast chloride channels from rat skeletal muscle. Blatz AL, et al. **J Physiol (Lond)** 1986 Sep;378:141–74

Inactivation of the low–threshold transient calcium current in rat sensory neurones: evidence for a dual process. Bossu JL, et al. **J Physiol (Lond)** 1986 Jul;376:341–57

Mucosal plexus and electrolyte transport across the rat colonic mucosa. Bridges RJ, et al. **J Physiol (Lond)** 1986 Jul;376:531–42

Membrane currents of internally perfused neurones of the snail, Lymnaea stagnalis, at low intracellular pH. Byerly L, et al. **J Physiol (Lond)** 1986 Jul;376:477–91

Activation of acetylcholine receptor channels by covalently bound agonists in cultured rat myoballs. Chabala LD, et al. **J Physiol (Lond)** 1986 Oct;379:83–108

Voltage dependence of two inward currents carried by calcium and barium in the ciliate Stylonychia mytilus. Deitmer JW. **J Physiol (Lond)** 1986 Nov;380:551–74

Properties of the hyperpolarizing–activated current (if) in cells isolated from the rabbit sino–atrial node. DiFrancesco D, et al. **J Physiol (Lond)** 1986 Aug;377:61–88

Transmembrane ion balance in slowly and rapidly adapting lobster stretch receptor neurones. Edman A, et al. **J Physiol (Lond)** 1986 Aug;377:171–91

Potential–dependent calcium inward current in a single isolated smooth muscle cell of the guinea–pig taenia caeci. Ganitkevich VYa, et al. **J Physiol (Lond)** 1986 Nov; 380:1–16

Properties of potassium and sodium channels in frog internode. Grissmer S. **J Physiol (Lond)** 1986 Dec; 381:119–34

Development of dendritic calcium currents in ganglion cells of the rat lower lumbar sympathetic chain. Hirst GD, et al. **J Physiol (Lond)** 1986 Aug;377:349–68

The transduction channel of hair cells from the bull–frog characterized by noise analysis. Holton T, et al. **J Physiol (Lond)** 1986 Jun;375:195–227

Different properties of two voltage–dependent inward currents of the ciliate Stylonychia mytilus. Ivens I. **J Physiol (Lond)** 1986 Dec;381:1–15

A comparison of sodium currents in rat and frog myelinated nerve: normal and modified sodium inactivation. Neumcke B, et al. **J Physiol (Lond)** 1987 Jan;382:175–91

Apparent acetylcholine receptor channel conversion at individual rat soleus end–plates in vitro. Schuetze SM, et al. **J Physiol (Lond)** 1986 Jun;375:153–67

Slow membrane currents in bursting pace–maker neurones of Tritonia. Smith SJ, et al. **J Physiol (Lond)** 1987 Jan; 382:425–48

Studies of the unitary properties of adenosine–5'–triphosphate–regulated potassium channels of frog skeletal muscle. Spruce AE, et al. **J Physiol (Lond)** 1987 Jan;382:213–36

Ion pump ATPase inhibitors block the fertilization of zona–free mouse oocytes by acrosome–reacted spermatozoa. Talansky BE, et al. **J Reprod Fertil** 1987 Mar; 79(2):447–55

Sodium/calcium exchange and calcium buffering in mammalian ventricular muscle. Blatter LA, et al. **Jpn Heart J** 1986 Nov;27 Suppl 1:93–107

Effects of pH on the Na–Ca exchange current in single ventricular cells of the guinea pig. Earm YE, et al. **Jpn Heart J** 1986 Nov;27 Suppl 1:153–8

Reconstruction of transport currents during repolarization: biochemical basis. Kootsey JM, et al. **Jpn Heart J** 1986 Nov;27 Suppl 1:109–26

Ionic mechanisms underlying the negative slope formation of the inward–rectifying potassium background current in ventricular cell of guinea–pig heart. Kurachi Y. **Jpn Heart J** 1986 Nov;27 Suppl 1:65–72

Ionic mechanisms controlling the action potential duration and the timing of repolarization. Noble D. **Jpn Heart J** 1986 Nov;27 Suppl 1:3–19 (38 ref.)

Intracellular control of calcium and potassium currents in cardiac cells. Trautwein W, et al. **Jpn Heart J** 1986 Nov; 27 Suppl 1:31–50

Reconstruction of electrocardiogram using ionic current models for heart muscles. Yamanaka A, et al. **Jpn Heart J** 1986 Nov;27 Suppl 1:185–93

Some properties of Na channel inactivation in isolated ventricular cells of frog, Rana catesbeiana. Yamaoka K, et al. **Jpn Heart J** 1986 Nov;27 Suppl 1:21–30

Ion channels in in situ rod of the frog retina as revealed by intracellular current injection. Takahashi K. **Keio J Med** 1986 Jul;35(3):162–79

Role of K+ conductive pathways in the nephron. Greger R, et al. **Kidney Int** 1987 May;31(5):1055–64 (100 ref.)

Intracellular calcium ions as regulators of renal tubular sodium transport. Windhager E, et al. **Klin Wochenschr** 1986 Sep 15;64(18):847–52

Sodium pump activity in young and adult salt hypertensive Dahl rats. Zicha J, et al. **Klin Wochenschr** 1987;65 Suppl 8:76–81

Comparison of the inhibitory effects of mexiletine and lidocaine on the calcium current of single ventricular cells. Ono K, et al. **Life Sci** 1986 Oct 20;39(16):1465–70

Transmembrane Ca2+ signaling and a new class of inhibitors. Hidaka H, et al. **Methods Enzymol** 1987;139:570–82

Studies on Ca channels in intact cardiac cells: voltage–dependent effects and cooperative interactions of dihydropyridine enantiomers. Kokubun S, et al. **Mol Pharmacol** 1986 Dec;30(6):571–84

Widespread distribution of dihydropyridine–sensitive calcium channels in the central nervous system. Thayer SA, et al. **Mol Pharmacol** 1986 Dec;30(6):505–9

Ionic channels: I. The biophysical basis for ion passage and channel gating. Ruff RL. **Muscle Nerve** 1986 Oct; 9(8):675–99 (271 ref.)

Ionic channels: II. Voltage– and agonist–gated and agonist–modified channel properties and structure. Ruff RL. **Muscle Nerve** 1986 Nov–Dec;9(9):767–86 (261 ref.)

Neurosensory signalling. Biochemical puzzles about the cyclic–GMP–dependent channel [news] Applebury ML. **Nature** 1987 Apr 9–15;326(6113):546–7

Neuronal inhibition by the peptide FMRFamide involves opening of S K+ channels. Belardetti F, et al. **Nature** 1987 Jan 8–14;325(7000):153–6

A novel receptor–operated Ca2+–permeable channel activated by ATP in smooth muscle. Benham CD, et al. **Nature** 1987 Jul 16–22;328(6127):275–8

'Wrong' subunit regulates cardiac potassium channels [news] Bourne HR. **Nature** 1987 Jan 22–28;325(6102):296–7

Endfeet of retinal glial cells have higher densities of ion channels that mediate K+ buffering. Brew H, et al. **Nature** 1986 Dec 4–10;324(6096):466–8

Molecular neurobiology. A new type of ion–channel block [news] Colquhoun D. **Nature** 1987 Sep 17–23; 329(6136):204–5

An isoprenaline activated sodium–dependent inward current in ventricular myocytes. Egan TM, et al. **Nature** 1987 Aug 13–19;328(6131):634–7

Noradrenaline and beta–adrenoceptor agonists increase activity of voltage–dependent calcium channels in hippocampal neurons. Gray R, et al. **Nature** 1987 Jun 18–24;327(6123):620–2

Cholecystokinin induces a decrease in Ca2+ current in snail neurons that appears to be mediated by protein kinase C. Hammond C, et al. **Nature** 1987 Feb 26–Mar 4; 325(6107):809–11

The GTP–binding protein, Go, regulates neuronal calcium channels. Hescheler J, et al. **Nature** 1987 Jan 29–Feb 4; 325(6103):445–7

Two polyphosphatidylinositide metabolites control two K+ currents in a neuronal cell. Higashida H, et al. **Nature** 1986 Sep 25–Oct 1;323(6086):333–5

Multi–barrelled K channels in renal tubules. Hunter M, et al. **Nature** 1987 Jun 11–17;327(6122):522–4

Location of a delta-subunit region determining ion transport through the acetylcholine receptor channel. Imoto K, et al. **Nature** 1986 Dec 18-31;324(6098):670-4

Single-channel and whole-cell recordings of mitogen-regulated inward currents in human cloned helper T lymphocytes. Kuno M, et al. **Nature** 1986 Sep 18-24; 323(6085):269-73

Ion channels activated by inositol 1,4,5-trisphosphate in plasma membrane of human T-lymphocytes. Kuno M, et al. **Nature** 1987 Mar 19-25;326(6110):301-4

Single stretch-activated ion channels in vascular endothelial cells as mechanotransducers? Lansman JB, et al. **Nature** 1987 Feb 26-Mar 4;325(6107):811-3

The beta gamma subunits of GTP-binding proteins activate the muscarinic K+ channel in heart. Logothetis DE, et al. **Nature** 1987 Jan 22-28;325(6102):321-6

cGMP-dependent cation channel of retinal rod outer segments. Matesic D, et al. **Nature** 1987 Apr 9-15; 326(6113):600-3

Ohmic conductance through the inwardly rectifying K channel and blocking by internal Mg2+. Matsuda H, et al. **Nature** 1987 Jan 8-14;325(7000):156-9

Receptor-operated Ca channels [news] Neher E. **Nature** 1987 Mar 19-25;326(6110):242

A single GTP-binding protein regulates K+-channels coupled with dopamine, histamine and acetylcholine receptors. Sasaki K, et al. **Nature** 1987 Jan 15-21; 325(6101):259-62

Molecular neurobiology. Channel families in the brain [news] Stevens CF. **Nature** 1987 Jul 16-22;328(6127):198-9

Stimulation of protein kinase C recruits covert calcium channels in Aplysia bag cell neurons. Strong JA, et al. **Nature** 1987 Feb 19-25;325(6106):714-7

Ion channels in human neutrophils activated by a rise in free cytosolic calcium concentration. von Tscharner V, et al. **Nature** 1986 Nov 27-Dec 3;324(6095):369-72

The role of calcium channel in the effect of nicotine on contractility in isolated toad ventricle. Koley J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jan; 335(1):86-90

Role of Ca channel in the renal autoregulatory vascular response analysed by the use of BAY K 8644. Ogawa N, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Feb; 335(2):189-93

Two types of neurons differing in plastic properties: study of ionic mechanisms. D'yakonova TL. **Neurosci Behav Physiol** 1986 Jul-Aug;16(4):277-84

Calcium channels in the cell membrane. Kostyuk PG. **Neurosci Behav Physiol** 1986 Sep-Oct;16(5):401-10 (71 ref.)

Voltage-dependent chloride channels with several substates in excised patches from mouse neuroblastoma cells. Bolotina V, et al. **Neurosci Lett** 1987 Jun 26;77(3):298-302

Time course of Ca and Ca-dependent K currents during molluscan nerve cell action potentials. Gola M, et al. **Neurosci Lett** 1986 Oct 20;70(3):354-9

Taste receptors in crayfish: recording of single nicotinamide-activated channels. Hatt H, et al. **Neurosci Lett** 1987 Jan 14;73(2):137-42

A muscarine-resistant M-current in C cells of bullfrog sympathetic ganglia. Jones SW. **Neurosci Lett** 1987 Mar 9;74(3):309-14

Voltage activated ionic currents in gonadotrophs of the ovine pars tuberalis. Sikdar SK, et al. **Neurosci Lett** 1986 Oct 30;71(1):95-100

Spreading depression in the olfactory bulb of rats: reliable initiation and boundaries of propagation. Amemori T, et al. **Neuroscience** 1987 Jul;22(1):29-36

An inward calcium current underlying regenerative calcium potentials in rat striatal neurons in vitro enhanced by Bay K 8644. Cherubini E, et al. **Neuroscience** 1987 Jun; 21(3):997-1005

Frequency-dependent decay of calcium spikes in cultured spinal cord neurons. MacDonald JF, et al. **Neuroscience** 1986 Dec;19(4):1335-47

Two types of transient outward currents in cardiac ventricular cells of mice. Benndorf K, et al. **Pflugers Arch** 1987 Aug;409(6):641-3

Chloride channels activated by hyperpolarization in Aplysia neurones. Chesnoy-Marchais D, et al. **Pflugers Arch** 1986 Dec;407(6):694-6

Maxi K+ channels in leaky epithelia are regulated by intracellular Ca2+, pH and membrane potential. Christensen O, et al. **Pflugers Arch** 1987 Mar;408(3):249-59

Dissociation of acetylcholine- and cyclic GMP-induced currents in Xenopus oocytes. Dascal N, et al. **Pflugers Arch** 1987 Aug;409(4-5):521-7

Ca2+-movements in muscle modulated by the state of K+-channels in the sarcoplasmic reticulum membranes. Fink RH, et al. **Pflugers Arch** 1987 Aug;409(4-5):374-80

Appropriate conditions to record activation of fast Ca2+ channels in frog skeletal muscle (Rana pipiens). García J, et al. **Pflugers Arch** 1987 May;408(6):646-8

Potassium channels in the basolateral membrane of the rectal gland of Squalus acanthias. Regulation and inhibitors. Gögelein H, et al. **Pflugers Arch** 1987 Jun;409(1-2):107-13

A voltage-dependent ionic channel in the basolateral membrane of late proximal tubules of the rabbit kidney. Gögelein H, et al. **Pflugers Arch** 1986;407 Suppl 2:S142-8

Chloride channels in the luminal membrane of the rectal gland of the dogfish (Squalus acanthias). Properties of the "larger" conductance channel.Greger R, et al. **Pflugers Arch** 1987 Jun;409(1-2):114-21

Potassium channels in the basolateral membrane of the rectal gland of the dogfish (Squalus acanthias). Greger R, et al. **Pflugers Arch** 1987 Jun;409(1-2):100-6

A microflow superfusion system for use with excised membrane patches. Kakei M, et al. **Pflugers Arch** 1987 Jul; 409(3):337-41

The protein-specific phosphatase 1 antagonizes the beta-adrenergic increase of the cardiac Ca current. Kameyama M, et al. **Pflugers Arch** 1986 Oct;407(4):461-3

Relaxation induced by KCl, NaCl and sucrose in rabbit coronary arteries. Keef KD, et al. **Pflugers Arch** 1987 Jul; 409(3):308-13

On the mechanism of activation of muscarinic K+ channels by adenosine in isolated atrial cells: involvement of GTP-binding proteins. Kurachi Y, et al. **Pflugers Arch** 1986 Sep;407(3):264-74

Calcium current in growth balls from isolated Helix aspersa neuronal growth cones. Marom S, et al. **Pflugers Arch** 1987 Aug;409(6):578-81

Sodium conductance in calcium channels of guinea-pig ventricular cells induced by removal of external calcium ions. Matsuda H. **Pflugers Arch** 1986 Nov;407(5):465-75

Transient Ca2+-channel current characterized by a low-threshold voltage in zona glomerulosa cells of rat adrenal cortex. Matsunaga H, et al. **Pflugers Arch** 1987 Apr; 408(4):351-5

Patch clamp measurements on Xenopus laevis oocytes: currents through endogenous channels and implanted acetylcholine receptor and sodium channels. Methfessel C, et al. **Pflugers Arch** 1986 Dec;407(6):577-88

Gating current experiments on frog nodes of Ranvier treated with Centruroides sculpturatus toxins or aconitine. Meves H, et al. **Pflugers Arch** 1987 Aug;409(4-5):381-93

Intracellular pH in the rat mandibular salivary gland: the role of Na-H and Cl-HCO3 antiports in secretion. Pirani D, et al. **Pflugers Arch** 1987 Feb;408(2):178-84

Dihydropyridine inhibition of neuronal calcium current and substance P release. Rane SG, et al. **Pflugers Arch** 1987 Aug;409(4-5):361-6

Na currents and action potentials in rat myelinated nerve fibres at 20 and 37 degrees C. Schwarz JR, et al. **Pflugers Arch** 1987 Aug;409(6):569-77

A quantitative analysis of the acetylcholine-activated potassium current in single cells from frog atrium. Simmons MA, et al. **Pflugers Arch** 1987 Aug;409(4-5):454-61

Characterization of calcium-activated potassium channels in single smooth muscle cells using the patch-clamp technique. Singer JJ, et al. **Pflugers Arch** 1987 Feb; 408(2):98-111

Calcium and ATP regulate the activity of a non-selective cation channel in a rat insulinoma cell line. Sturgess NC, et al. **Pflugers Arch** 1987 Aug;409(6):607-15

Spontaneous and GABA-evoked chloride channels on pituitary intermediate lobe cells and their internal Ca requirements. Taleb O, et al. **Pflugers Arch** 1987 Aug; 409(6):620-31

Solubilisation and reconstitution of the rabbit skeletal muscle sarcoplasmic reticulum K+ channel into liposomes suitable for patch clamp studies. Tomlins B, et al. **Pflugers Arch** 1986 Sep;407(3):341-7

A patch-clamp analysis of membrane currents in salamander olfactory receptor cells. Trotier D. **Pflugers Arch** 1986 Dec; 407(6):589-95

An automated technique for analysis of current transitions in multilevel single-channel recordings. Vivaudou MB, et al. **Pflugers Arch** 1986 Oct;407(4):355-64

Single apical membrane anion channels in primary cultures of canine tracheal epithelium. Welsh MJ. **Pflugers Arch** 1986;407 Suppl 2:S116-22

Current-noise analysis of the basolateral route for K+ ions across a K+-secreting insect midgut epithelium (Manduca sexta). Zeiske W, et al. **Pflugers Arch** 1986 Dec; 407(6):657-63

Muscle chloride channels. Bretag AH. **Physiol Rev** 1987 Apr; 67(2):618-724 (580 ref.)

Electrophysiology of the pancreas. Petersen OH, et al. **Physiol Rev** 1987 Jul;67(3):1054-116 (288 ref.)

Voltage-activated calcium channels that must be phosphorylated to respond to membrane depolarization. Armstrong D, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2518-22

Site-directed mutagenesis of the COOH-terminal region of colicin A: effect on secretion and voltage-dependent channel activity. Baty D, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1152-6

Acetylcholine receptor channels on adult mouse skeletal muscle are functionally identical in synaptic and nonsynaptic membrane. Brehm P, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2550-4

Acetylcholine increases voltage-activated Ca2+ current in freshly dissociated smooth muscle cells. Clapp LH, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):2092-6

Identification, purification, and functional reconstitution of the cyclic GMP-dependent channel from rod photoreceptors. Cook NJ, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):585-9

A Drosophila mutation that eliminates a calcium-dependent potassium current. Elkins T, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8415-9

Topographical localization of the C-terminal region of the voltage-dependent sodium channel from Electrophorus electricus using antibodies raised against a synthetic peptide. Gordon RD, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):308-12

Activation of a potassium current by rapid photochemically generated step increases of intracellular calcium in rat sympathetic neurons. Gurney AM, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3496-500

Single acetylcholine receptor channel currents recorded at high hydrostatic pressures. Heinemann SH, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3229-33

Potentiation of the calcium-channel currents of internally perfused mammalian heart cells by repetitive depolarization. Lee KS. **Proc Natl Acad Sci USA** 1987 Jun; 84(11):3941-5

A guanine nucleotide-binding protein mediates the inhibition of voltage-dependent calcium current by somatostatin in a pituitary cell line. Lewis DL, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9035-9

Omega-conotoxin: direct and persistent blockade of specific types of calcium channels in neurons but not muscle. McCleskey EW, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(12):4327-31

Ultrasteep voltage dependence in a membrane channel. Mangan PS, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(14):4896-900

Pressure-sensitive ion channel in Escherichia coli. Martinac B, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2297-301

Single-channel recordings demonstrate that cGMP opens the light-sensitive ion channel of the rod photoreceptor. Matthews G. **Proc Natl Acad Sci USA** 1987 Jan; 84(1):299-302

Specific modulation of sodium channels in mammalian nerve by monoclonal antibodies. Meiri H, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8385-9

Brain voltage-sensitive calcium channel subtypes differentiated by omega-conotoxin fraction GVIA. Reynolds IJ, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8804-7

Both barium and calcium activate neuronal potassium currents. Ribera AB, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6577-81

Na+ channels as sites of action of the cardioactive agent DPI 201-106 with agonist and antagonist enantiomers. Romey G, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(3):896-900

A mutant Paramecium with a defective calcium-dependent potassium conductance has an altered calmodulin: a nonlethal selective alteration in calmodulin regulation. Schaefer WH, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(11):3931-5

Single calcium channels in native sarcoplasmic reticulum membranes from skeletal muscle. Suarez-Isla BA, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7741-5

Block of calcium channels by enkephalin and somatostatin in neuroblastoma-glioma hybrid NG108-15 cells. Tsunoo A, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9832-6

Inward rectification of a potassium channel in cardiac ventricular cells depends on internal magnesium ions. Vandenberg CA. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2560-4

Activation of a muscarinic receptor selectively inhibits a rapidly inactivated Ca2+ current in rat sympathetic neurons. Wanke E, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4313-7

Hormonal activation of ionic currents in follicle-enclosed Xenopus oocytes. Woodward RM, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4135-9

Site of anticonvulsant action on sodium channels: autoradiographic and electrophysiological studies in rat brain. Worley PF, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):3051-5

A note on correlations in single ion channel records. Colquhoun D, et al. **Proc R Soc Lond [Biol]** 1987 Feb 23; 230(1258):15-52

Distribution of fertilization channels in ascidian oocyte membranes. DeFelice LJ, et al. **Proc R Soc Lond [Biol]** 1986 Nov 22;229(1255):209-14

Acetylcholine and the mammalian 'slow inward' current: a computer investigation. Egan TM, et al. **Proc R Soc Lond [Biol]** 1987 Apr 22;230(1260):315-37

The control of calcium current reactivation by catecholamines and acetylcholine in single guinea-pig ventricular myocytes. Shimoni Y, et al. **Proc R Soc Lond [Biol]** 1987 Apr 22;230(1260):267-78

Blockage of chloride channels by HEPES buffer. Yamamoto D, et al. **Proc R Soc Lond [Biol]** 1987 Feb 23; 230(1258):93-100

Gap junction channel modulation--a physiological viewpoint. Ramón F, et al. **Prog Biophys Mol Biol** 1986; 48(3):127-53 (175 ref.)

Ionic channel organization of normal and regenerating mammalian axons. Kocsis JD, et al. **Prog Brain Res** 1987; 71:89-101

Activation of calcium-dependent potassium channels in deoxygenated sickled red cells. Bookchin RM, et al. **Prog Clin Biol Res** 1987;240:193-200

Calcium and vascular smooth muscle membrane in hypertension. Furspan PB, et al. **Prog Clin Biol Res** 1986; 219:225-43 (39 ref.)

Regulation of calcium slow channels of cardiac and smooth muscles by adenine nucleotides. Sperelakis N. **Prog Clin Biol Res** 1987;230:135-93

Regulation of cytoplasmic Ca2+ in vascular smooth muscle.

van Breemen C, et al. **Prog Clin Biol Res** 1986;219:157–68 (34 ref.)
The Sharpey-Schafer lecture. Ion channels and signal processing in the outer retina. Attwell D. **Q J Exp Physiol** 1986 Oct;71(4):497–536
A high-conductance calcium-dependent chloride channel in Ascaris suum muscle. Thorn P, et al. **Q J Exp Physiol** 1987 Jan;72(1):31–49
External calcium ions are required for potassium channel gating in squid neurons. Armstrong CM, et al. **Science** 1987 May 8;236(4802):712–4
Neurosciences advance in basic and clinical realms [news] Barnes DM. **Science** 1986 Dec 12;234(4782):1324–6
Mitogens and oncogenes can block the induction of specific voltage-gated ion channels. Caffrey JM, et al. **Science** 1987 May 1;236(4801):570–3
The alpha subunit of the GTP binding protein Gk opens atrial potassium channels. Codina J, et al. **Science** 1987 Apr 24;236(4800):442–5
Multiple calcium channels and neuronal function. Miller RJ. **Science** 1987 Jan 2;235(4784):46–52 (67 ref.)
Development of two types of calcium channels in cultured mammalian hippocampal neurons. Yaari Y, et al. **Science** 1987 Feb 6;235(4789):680–2
Direct activation of mammalian atrial muscarinic potassium channels by GTP regulatory protein Gk. Yatani A, et al. **Science** 1987 Jan 9;235(4785):207–11
Voltage-sensitive sodium channels: an evolving molecular view. Barchi RL, et al. **Soc Gen Physiol Ser** 1987;41:125–48 (42 ref.)
Molecular properties of voltage-sensitive calcium channels. Catterall WA, et al. **Soc Gen Physiol Ser** 1987;41:201–13
Functional sites and transient states of the nicotinic acetylcholine receptor. Karlin A, et al. **Soc Gen Physiol Ser** 1987;41:43–65 (97 ref.)
Studies on sodium channels reconstituted in lipid bilayers: inferences about molecular mechanisms derived from single-channel recordings. Montal M, et al. **Soc Gen Physiol Ser** 1987;41:149–65
Voltage-dependent binding and action of 1,4-dihydropyridine enantiomers in intact cardiac cells. Reuter H, et al. **Soc Gen Physiol Ser** 1987;41:189–99
Function of nicotinic acetylcholine receptors. Steinbach JH, et al. **Soc Gen Physiol Ser** 1987;41:19–42 (51 ref.)
Sodium channel structure-function relations. Stevens CF. **Soc Gen Physiol Ser** 1987;41:99–108
Multiple types of calcium channel in excitable cells. Tsien RW, et al. **Soc Gen Physiol Ser** 1987;41:167–87 (89 ref.)
Evidence for the receptor-operated calcium channels in human platelet plasma membrane. Avdonin PV, et al. **Thromb Res** 1987 Apr 1;46(1):29–37
Regulation of calcium channels in brain: implications for the clinical neurosciences. Taft WC, et al. **Yale J Biol Med** 1987 Mar-Apr;60(2):99–106
Analysis of single channel currents with a microprocessor based device. Schreibmayer W, et al. **Z Naturforsch [C]** 1987 Mar;42(3):173–7
[Voltage-dependest ionic currents in sympathetic postganglionic neurons] Ma RC, et al. **Sheng Li Ko Hsueh Chin Chan** 1987 Jan;18(1):58–61 (23 ref.) (Chi)
[Demonstration of a large-conduction ion channel in subcellular fractions of the adrenal medulla] Thieffry M, et al. **C R Acad Sci [III]** 1987;305(6):193–7 (Eng. Abstr.) (Fre)
[Two components of calcium-dependent potassium permeability coexist in the membrane of frog skeletal muscle] Traoré F, et al. **C R Acad Sci [III]** 1987; 305(3):69–72 (Eng. Abstr.) (Fre)
[Calcium channels in smooth muscle cells] Jmari K, et al. **J Physiol (Paris)** 1986;81(3):168–76 (49 ref.) (Eng. Abstr.) (Fre)
[The calcium channel: electrophysiological findings in cardiac cells] Vassort G. **J Physiol (Paris)** 1986; 81(3):149–61 (63 ref.) (Eng. Abstr.) (Fre)
[Methodologic aspects of measuring the potential differences in the gastrointestinal tract: effect of electrode placement and electrolyte concentration of the measuring electrode on the magnitude of the transepithelial potential difference] König A, et al. **Z Gastroenterol** 1987 Jun;25(6):301–5 (Eng. Abstr.) (Ger)
[Ion channels and electric potentials in cell membranes: a biophysical view for clinicians] de Araujo Filho JP. **AMB** 1986 Sep-Oct;32(9–10):155–61 (Por)
[Discrete parameters of current oscillation in single ion channels] Geletiuk VI, et al. **Biofizika** 1987 Mar-Apr; 32(2):269–72 (Eng. Abstr.) (Rus)
[The absence of channel structures in the photoreceptor membrane of the rod disc] Rebrik TI, et al. **Biofizika** 1986 Nov-Dec;31(6):985–9 (Eng. Abstr.) (Rus)
[Effect of opiate peptides on denervation changes in the acetylcholine-sensitive and potential-dependent sodium channels in rat muscle fibers] Chikin AV, et al. **Dokl Akad Nauk SSSR** 1987;294(5):1264–6 (Rus)
[Blocking of the counter-K+ fluxes through the single Ca2+-activated K+-channel. Cluster organization of ion channels] Kazachenko VN, et al. **Dokl Akad Nauk SSSR** 1987;293(4):990–3 (Rus)
[Development of potential-dependent calcium channels in skeletal muscles during frog ontogenesis] Nasledov GA, et al. **Dokl Akad Nauk SSSR** 1987 Jan-Feb;292(1):253–6 (Rus)
[2-component nature of the sodium current in the membrane of isolated cardiomyocytes] Verkhratskiĭ AN, et al. **Fiziol Zh** 1987 Jul-Aug;33(4):44–8 (Eng. Abstr.) (Rus)
[Effect of disruption of chloride conductance on the development of denervation changes in muscle fiber membranes of the rat] Chikin AV, et al. **Fiziol Zh SSSR** 1987 Jan;73(1):51–5 (Eng. Abstr.) (Rus)
[Analysis of fluctuations in the membrane current of the isolated mollusk neuron] Skliarov AI. **Fiziol Zh SSSR** 1986 Nov;72(11):1575–8 (Rus)
[Temperature-independence of the effect of osmotic pressure on the inward sodium current in the membrane of isolated spinal ganglion neurons of the rat] Chizhmakov IV, et al. **Neirofiziologiia** 1986;18(4):518–25 (Eng. Abstr.) (Rus)
[Potential-dependent ion currents in the membrane of the striated muscle of the lamprey] Derke Sh, et al. **Neirofiziologiia** 1986;18(5):629–36 (Eng. Abstr.) (Rus)
[Changes in the ionic mechanisms of the electro-excitability of the somatic membrane of rat sensory neurons during ontogenesis. Density ratios of inward currents] Fedulova SA, et al. **Neirofiziologiia** 1986;18(6):820–7 (Eng. Abstr.) (Rus)
[Changes in the ionic mechanisms of the electro-excitability of the somatic membrane of rat sensory neurons during ontogenesis. Distribution of ion channels of the inward current] Kostiuk PG, et al. **Neirofiziologiia** 1986; 18(6):813–20 (Eng. Abstr.) (Rus)
[2 types of calcium-dependent outward potassium currents in the somatic membrane of Helix pomatia neurons] Martyniuk AE. **Neirofiziologiia** 1987;19(2):185–91 (Eng. Abstr.) (Rus)
[Modulation of calcium conductance of the somatic membrane of sensory neurons of the rat upon activation of the adenylate cyclase system] Nalivaĭko ED. **Neirofiziologiia** 1986;18(4):557–60 (Eng. Abstr.) (Rus)
[Changes in the density of sodium currents in the membranes of spinal cord nerve cells during early stages in the development of the chick embryo] Rusin KI, et al. **Neirofiziologiia** 1987;19(2):274–8 (Eng. Abstr.) (Rus)
[Changes in the ionic mechanisms of the electro-excitability of the somatic membrane of rat sensory neurons during ontogenesis. Relation between calcium channels and intracellular metabolism] Veselovskiĭ NS, et al. **Neirofiziologiia** 1986;18(6):827–32 (Eng. Abstr.) (Rus)
[Relation between the passive transport of calcium into vesicles of the myocardial sarcolemma and membrane potential] Kocherga VI, et al. **Ukr Biokhim Zh** 1987 Jan-Feb;59(1):61–6 (Eng. Abstr.) (Rus)
[Ion currents in the membrane of isolated heart cells] Verkhratskiĭ AN, et al. **Usp Fiziol Nauk** 1987 Jan-Mar; 18(1):23–42 (170 ref.) (Rus)
[Calcium ion modulation of short-term plasticity of the cholinoreceptor membrane of the mollusk neuron] Pivovarov AS, et al. **Zh Vyssh Nerv Deiat** 1986 Sep-Oct; 36(5):947–55 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

Tryptophan photolysis is responsible for gramicidin-channel inactivation by ultraviolet light. Jones D, et al. **Biochim Biophys Acta** 1986 Sep 25;861(1):62–6
Effects of ionizing radiation on artificial (planar) lipid membranes. I. Radiation inactivation of the ion channel gramicidin A. Strässle M, et al. **Int J Radiat Biol** 1987 Feb;51(2):265–86

ULTRASTRUCTURE

An introduction to molecular architecture and permeability of ion channels. Eisenman G, et al. **Annu Rev Biophys Biophys Chem** 1987;16:205–26 (181 ref.)
Electron microscopy and image analysis of the mitochondrial outer membrane channel, VDAC. Mannella CA. **J Bioenerg Biomembr** 1987 Aug;19(4):329–40 (42 ref.)
Nucleated cell killing by complement: effects of C5b-9 channel size and extracellular Ca2+ on the lytic process. Kim SH, et al. **J Immunol** 1987 Mar 1;138(5):1530–6
Subunit structure of dihydropyridine-sensitive calcium channels from skeletal muscle. Takahashi M, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5478–82

ION EXCHANGE

Pretreatment equipment guidelines for ion exchange demineralization systems. Coulter BL, et al. **J Parenter Sci Technol** 1986 Jul-Aug;40(4):122–34

ION EXCHANGE RESINS

Effect of solvent on solid-supported reactions on styrene/divinylbenzene copolymeric macroreticular resin. Rosenfeld JM, et al. **Anal Chem** 1986 Dec;58(14):3044–7
Connective tissue responses to some heavy metals. I. Sodium loaded ion exchange beads as a control: histology and ultrastructure. Ellender G, et al. **Br J Exp Pathol** 1987 Jun;68(3):277–89
A comparison of the utility of Dowex resin and polybenzimidazole Aurorez resin in the determination of urinary porphobilinogen concentrations. Galbraith RA, et al. **Clin Chim Acta** 1987 Apr 30;164(2):235–9
Removal of unconjugated bilirubin by macroreticular resin in hemoperfusion. Chen CZ, et al. **Int J Artif Organs** 1986 Sep;9(5):323–6
Potential sorbents for medical and some related applications. Piskin E. **Int J Artif Organs** 1986 Nov;9(6):401–4
Resin hemoperfusion for drug intoxication—an update. Raja RM. **Int J Artif Organs** 1986 Sep;9(5):319–22
Lauroyl sarcosine: a weak cation-exchange reagent for on-column modification of reversed-phase material. Mefford IN. **J Chromatogr** 1987 May 1;393(3):441–6
Preparation of agarose with low net negative charge density using an inexpensive anion exchanger. Polson A, et al. **Prep Biochem** 1986;16(4):309–19

ADVERSE EFFECTS

[A cause of alkalosis in children under hemodialysis: combined administration of magnesium hydroxide and polystyrene sodium sulfonate (letter)] Nassif F, et al. **Presse Med** 1987 May 30;16(20):1003 (Fre)
[Nosocomial Pseudomonas pickettii infection. Danger of the use of ion-exchange resins] Poty F, et al. **Presse Med** 1987 Jun 20;16(24):1185–7 (Eng. Abstr.) (Fre)

METABOLISM

Immunochemical characterization of a band 3-like anion exchanger in collecting duct of human kidney. Wagner S, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F213–21

PHARMACODYNAMICS

Activation of the classical complement pathway by BioRex-70. Vandenberg RJ, et al. **Immunol Lett** 1987 Jan; 14(2):155–8
[Mechanism of the antibacterial action of monocarboxycellulose and other ion-exchange derivatives of cellulose] Abaev IuK, et al. **Antibiot Med Biotekhnol** 1986 Aug;31(8):624–8 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

The effectiveness of a cation resin (Kayexalate) as an adsorbent of paraquat: experimental and clinical studies. Yamashita M, et al. **Hum Toxicol** 1987 Jan;6(1):89–90
[Morphological aspects of using an ion-exchange resin for treating deep caries] Komnova ZD, et al. **Stomatologiia (Mosk)** 1986 Nov-Dec;65(6):67–9 (Eng. Abstr.) (Rus)

IONOPHORES

Ca2+ ionophoretic activity of oligomers of prostaglandin B1 with isolated hepatocytes. Uribe S, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):1024–9
Design of ionophores for ion-selective microsensors. Ammann D, et al. **Can J Physiol Pharmacol** 1987 May; 65(5):879–84 (28 ref.)
Pr3+ transport across phosphatidylcholine vesicles mediated by open crown synthetic ionophores. Grandjean J. **Chem Phys Lipids** 1986 Oct-Nov;41(3–4):309–14
Siderophore mediated iron(III) uptake in Gliocladium virens. 2. Role of ferric mono- and dihydroxamates as iron transport agents. Jalal MA, et al. **J Inorg Biochem** 1987; 29(4):259–67

ISOLATION & PURIFICATION

Structure of pseudobactin A214, a siderophore from a bean-deleterious Pseudomonas. Buyer JS, et al. **Biochemistry** 1986 Sep 23;25(19):5492–9

METABOLISM

Induction of siderophore activity in Anabaena spp. and its moderation of copper toxicity. Clarke SE, et al. **Appl Environ Microbiol** 1987 May;53(5):917–22
Equilibrium cation binding selectivity of the carboxylic ionophore narasin A: a comparison with transport selectivities reported in two biological test systems. Caughey B, et al. **Biochem Pharmacol** 1986 Nov 15; 35(22):4103–5
Iron and the outcome of infection [editorial] Brock JH. **Br Med J [Clin Res]** 1986 Aug 30;293(6546):518–20
GABA-dependent modulation of the Cl- ionophore by steroids in rat brain. Gee KW, et al. **Eur J Pharmacol** 1987 Apr 29;136(3):419–23
Evidence for the role of a siderophore in promoting Vibrio anguillarum infections. Wolf MK, et al. **J Gen Microbiol** 1986 Oct;132 (Pt 10):2949–52
gamma-Aminobutyric acid receptor ionophore complexes: differential effects of deltamethrin, dichlorodiphenyltrichloroethane, and some novel insecticides in a rat brain membrane preparation. Lummis SC, et al. **J Neurochem** 1987 Mar;48(3):689–94
Mechanism of ionophoric transport of indium-111 cations through a lipid bilayer membrane. Choi HO, et al. **J Nucl Med** 1987 Jan;28(1):91–6
[Kinetics of the excretion of a membrane-active macroheterocycle from the body in mice] Plotnikova EK, et al. **Farmakol Toksikol** 1986 Jul-Aug;49(4):64–7 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Accessibility of cell surface thiols in human lymphocytes is altered by ionophores or OKT-3 antibody. Balázs M, et al. **Biochem Biophys Res Commun** 1986 Nov 14; 140(3):999–1006
Alterations in intracellular calcium activity and contractility

of isolated perfused rabbit hearts by ionophores and adrenergic agents. Lattanzio FA Jr, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):816–21

Calcium ionophoretic activity of chemically synthesized oligomeric derivatives of prostaglandin B1. Uribe S, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):87–98

Effect of salinomycin supplementation on characteristics of digestion and feedlot performance of cattle. Zinn RA. **J Anim Sci** 1986 Dec;63(6):1996–2004

Influence of forage level on response of feedlot steers to salinomycin supplementation. Zinn RA. **J Anim Sci** 1986 Dec;63(6):2005–12

Novel polyether antibiotics X–14873A, G and H produced by a Streptomyces: taxonomy of the producing culture, fermentation, biological and ionophorous properties of the antibiotics. Liu CM, et al. **J Antibiot (Tokyo)** 1986 Dec; 39(12):1712–8

Potassium transport in the rabbit renal proximal tubule: effects of barium, ouabain, valinomycin, and other ionophores. Soltoff SP, et al. **J Membr Biol** 1986; 94(2):153–61

Effects of a K ionophore, lonomycin A, on the action potential in canine cardiac Purkinje fibers. Tsuchida K, et al. **Jpn J Pharmacol** 1986 Jul;41(3):353–61

In vitro effects of ionophores and inhibitors of main sodium and calcium movements on tyrosine and tryptophan transport by human erythrocytes. Widmer J, et al. **Neuropsychobiology** 1986;16(4):175–80

Membrane lipid layers vs. polarized water dominated by fixed ions: a comparative study of the effects of three macrocyclic ionophores on the K+ permeability of frog skeletal muscle, frog ovarian eggs, and human erythrocytes. Ling GN, et al. **Physiol Chem Phys Med NMR** 1986; 18(2):109–24

Influence of salinomycin on the performance of broiler chicks. Harms RH, et al. **Poult Sci** 1987 Jan;66(1):51–4

[In vitro study of ionophore antibiotics and various derivatives. I. Action on fermentation products in the rumen] Caffarel-Mendez S, et al. **Reprod Nutr Dev** 1986; 26(6):1295–303 (Eng. Abstr.) **(Fre)**

[Ionophore-induced oscillations in erythrocytes. A kinetic model] Gol'dshtein BN, et al. **Mol Biol (Mosk)** 1987 Jan–Feb;21(1):132–9 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Efficacy of ionophorous anticoccidial drugs against coccidia in farm-reared pheasants (Phasianus colchicus) from Illinois. McQuistion TE. **Avian Dis** 1987 Apr–Jun; 31(2):327–31

Use of 'ionophores' as coccidiostats [letter] Miller DJ. **Vet Rec** 1986 Nov 8;119(19):484

IONS

Method for determination of sodium, potassium, calcium, magnesium, chloride, and phosphate in the rat choroid plexus by flame atomic absorption and visible spectroscopy. Murphy VA. **Anal Biochem** 1987 Feb 15;161(1):144–51

Ionic association in water: from atoms to enzymes. McCammon JA, et al. **Ann NY Acad Sci** 1986;482:210–21

Ionization of clusters. III. Evaluation of interaction parameters from binding data. Saroff HA. **Arch Biochem Biophys** 1987 Jul;256(1):110–30

Heavy ion effects on cellular DNA: strand break induction and repair in cultured diploid lens epithelial cells. Aufderheide E, et al. **Int J Radiat Biol** 1987 May; 51(5):779–90

Induction and repair of DNA lesions in cultured human melanoma cells exposed to a nitrogen-ion beam. Eguchi K, et al. **Int J Radiat Biol** 1987 Jul;52(1):115–23

NMR studies of ion binding in biological systems. Forsén S, et al. **Q Rev Biophys** 1987 Feb;19(1–2):83–114

ANALYSIS

Computer-based mass measurement of fragment ion spectra from tandem magnetic sector mass spectrometers with an electrically floated collision cell. Boyd RK, et al. **Anal Chem** 1987 Jan 1;59(1):189–93

Ion mobility spectrometry after supercritical fluid chromatography. Rokushika S, et al. **Anal Chem** 1987 Jan 1;59(1):8–12

Design of ionophores for ion-selective microsensors. Ammann D, et al. **Can J Physiol Pharmacol** 1987 May; 65(5):879–84 (28 ref.)

Thirty years of ion-selective microelectrodes: disappointments and successes. Hinke JA. **Can J Physiol Pharmacol** 1987 May;65(5):873–8

Cell contamination due to the use of carrier-based microelectrodes. Oesch U, et al. **Can J Physiol Pharmacol** 1987 May;65(5):885–8

Ion-selective microelectrodes and excitable tissue. Somjen GG. **Can J Physiol Pharmacol** 1987 May;65(5):868–72 **(Eng, Fre)**

BLOOD

Comparative measurements for determination of alkali ions in human blood serum by ion-chromatography. Hajós P, et al. **Clin Chem** 1987 Apr;33(4):617–8

METABOLISM

Beta-adrenergic stimulation of ion transport in primary cultures of avian salt glands. Lowy RJ, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):C670–6

Ion transport mechanisms in renal tubular cell membranes. Frömter E. **Boll Soc Ital Biol Sper** 1987 Jan 31;63(1):2–17 (29 ref.)

Further studies on the mechanism of the absorption of ion pair complex from the rat small intestine. Nakamura J, et al. **Chem Pharm Bull (Tokyo)** 1977 May;25(5):851–8

Bacterial pneumonia stimulates macromolecule secretion and ion and water fluxes in sheep trachea. Phipps RJ, et al. **J Appl Physiol** 1987 Jun;62(6):2388–97

Effects of raised osmolarity on canine tracheal epithelial ion transport function. Yankaskas JR, et al. **J Appl Physiol** 1987 Jun;62(6):2241–5

Acetylcholine receptor–controlled ion translocation caused by phenyltrimethylammonium and nereistoxin: simple estimation of equilibrium constants of the minimal model. Aoshima H, et al. **J Biochem (Tokyo)** 1987 Feb; 101(2):347–55

Ion transport and electrophysiology of the early proximal colon of rabbit. Clauss W, et al. **Pflugers Arch** 1987 May; 408(6):592–9

Effect of methacholine on ionic permeability of basal membrane of the eccrine secretory cell. Sato K. **Pflugers Arch** 1986;407 Suppl 2:S100–6

Ion transport by rabbit nonciliated bronchiolar epithelial cells (Clara cells) in culture. Van Scott MR, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5496–500

PHARMACODYNAMICS

Momentum balance equation for ion mediated transport. Gałdzicki Z, et al. **Gen Physiol Biophys** 1986 Feb; 5(1):99–103

IONTOPHORESIS

Treatment of hyperhidrosis [editorial] Dobson RL. **Arch Dermatol** 1987 Jul;123(7):883–4

Treatment of excess sweating of the palms by iontophoresis. Stolman LP. **Arch Dermatol** 1987 Jul;123(7):893–6

Iontophoresis in dermatology. A review. Sloan JB, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):671–84 (108 ref.)

Silver iontophoresis in chronic osteomyelitis. Satyanand, et al. **J Indian Med Assoc** 1986 May;84(5):134–6

The influence of zinc iontophoresis on in vitro adherence of fibroblasts to periodontally-diseased cementum. Kataoka M, et al. **J Periodont Res** 1987 Jul;22(4):296–9

Noninvasive delivery of a novel inotropic catecholamine: iontophoretic versus intravenous infusion in dogs. Sanderson JE, et al. **J Pharm Sci** 1987 Mar;76(3):215–8

[New developments in the treatment of keratoconus] Puchkowskaya NA, et al. **Klin Monatsbl Augenheilkd** 1986 Jul;189(1):11–4 (Eng. Abstr.) **(Ger)**

[Iontophoresis in dental practice. I. General features] Re G, et al. **Minerva Stomatol** 1986 Dec;35(12):1171–4 (32 ref.) (Eng. Abstr.) **(Ita)**

[Iontophoresis in the treatment of hyperhidrosis] Mørk C, et al. **Tidsskr Nor Laegeforen** 1987 Jun 10;107(16):1468–9 (Eng. Abstr.) **(Nor)**

[Experimental substantiation of the phonophoresis of RNA hydrolysate (ENKAD) and its effect on cytochemical indicators in the retina] Marmur RK, et al. **Oftalmol Zh** 1986;(4):211–6 (Eng. Abstr.) **(Rus)**

[Interstitial electrophoresis in acute pleuropulmonary suppurations] Alekseenko AV, et al. **Sov Med** 1986; (10):73–5 **(Rus)**

[Treatment of chronic urethritis in women by ultrasonic phonophoresis] Kan DV, et al. **Urol Nefrol (Mosk)** 1986 Nov–Dec;(6):25–7 (Eng. Abstr.) **(Rus)**

[Diadynamophoresis of chemical and biologically active substances in the treatment of suppurative and inflammatory diseases in diabetes mellitus] Gostishchev VK, et al. **Vestn Khir** 1986 Aug;137(8):63–6 (Eng. Abstr.) **(Rus)**

[Reaction of the acoustic analyzer to endaural phonophoresis in patients with toxic cochlear neuritis] Pal'chun VT, et al. **Vestn Otorinolaringol** 1986 Nov–Dec;(6):18–22 (Eng. Abstr.) **(Rus)**

[Efficacy of transcutaneous electrophoresis of pharmaceutical preparations in the treatment of chronic tonsillitis patients] Vatrasov VI, et al. **Vestn Otorinolaringol** 1987 Mar–Apr; (2):83 **(Rus)**

[Use of vitamin U electrophoresis with duodenal peptic ulcer patients] Khachatrian OTs, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Sep–Oct; (5):19–23 (Eng. Abstr.) **(Rus)**

[Drug electrophoresis and sulfide balneotherapy in active rheumatism in children] Shestialtynova OV. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Mar–Apr; (2):22–5 (Eng. Abstr.) **(Rus)**

[Deficiencies and errors in the research and use of drug electrophoresis] Ulashchik VS. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 May–Jun; (3):5–10 (50 ref.) **(Rus)**

[Kurantil electrophoresis in treating patients who had a myocardial infarct] Tondil LD, et al. **Vrach Delo** 1986 Aug; (8):19–22 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Microiontophoresis of biogenic amines on cortical neurons: amounts of NA, DA and 5-HT ejected, compared with tissue content. Reader TA. **Acta Physiol Lat Am** 1980; 30(4):291–304

A sputtered gold microelectrode in combination with a multibarrelled micropipette: a low impedance extracellular recording electrode with the facility of iontophoresis. Goodchild CS, et al. **Electroencephalogr Clin Neurophysiol** 1987 Jul;67(1):91–4

Micropipette holders: vented types are preferable to closed types. Raynauld JP, et al. **J Neurosci Methods** 1987 Mar; 19(3):243–7

Electrical current for excessive sweating. **Med Lett Drugs Ther** 1986 Nov 7;28(726):109

METHODS

Tapwater iontophoresis in the treatment of hyperhidrosis. Use of the Drionic device. Elgart ML, et al. **Int J Dermatol** 1987 Apr;26(3):194–7

Transscleral iontophoresis of gentamicin in monkeys. Barza M, et al. **Invest Ophthalmol Vis Sci** 1987 Jun;28(6):1033–6

[Use of lysozyme electrophoresis for treating chronic forms of periodontitis] Denisova IA, et al. **Stomatologiia (Mosk)** 1987 May–Jun;66(3):28–30 **(Rus)**

[Rationale for using rheopolyglucin electrophoresis in eye diseases] Pil'ganchuk VV. **Vestn Oftalmol** 1987 May–Jun; 103(3):59–62 (Eng. Abstr.) **(Rus)**

[Sinusoidal modulated current phoresis of trypsin in the combined treatment of patients with traumatic peripheral nerve lesions] Chilingarian RA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Jul–Aug;(4):23–5 **(Rus)**

[Lithium electrophoresis in treating neurocirculatory asthenia patients] Krasil'nikova RG. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 May–Jun; (3):39–42 (Eng. Abstr.) **(Rus)**

[Benzohexonium electrophoresis using sinusoidal modulated currents in treating neural amyotrophy patients] Lobzin VS, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 May–Jun;(3):61–2 **(Rus)**

[Use of intal electrophoresis in the combined treatment of patients with vasomotor rhinitis] Mitrofanova GF, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Mar–Apr; (2):45–6 **(Rus)**

[Validation of the use of protease inhibitor electrophoresis with sinusoidal modulated currents] Vygidner EB, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Jul–Aug;(4):8–11 **(Rus)**

[Use of intraorganic electrophoresis in the combined treatment of chronic bronchitis patients] Pliuiko ME, et al. **Vrach Delo** 1987 Apr;(4):9–10 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Efficacy of the Drionic unit in the treatment of hyperhidrosis. Akins DL, et al. **J Am Acad Dermatol** 1987 Apr; 16(4):828–32

IOPAMIDOL

Comparative trial of Hexabrix (320 mg iodine/ml), iohexol (300 mg iodine/ml) and iopamiron (300 mg iodine/ml) in cerebral and spinal angiography: a preliminary report. Doyon D, et al. **Br J Radiol** 1987 Jul;60(715):671–5

Iopamidol in the diagnosis of suspected upper gastro-intestinal perforation. Bell KE, et al. **Clin Radiol** 1987 Mar;38(2):165–8

A comparison of iohexol and iopamidol for lumbar myelography. Hoe JW, et al. **Clin Radiol** 1986 Sep; 37(5):505–7

Clinical intravenous urography: comparative trial of ioxaglate and iopamidol. Loughran CF. **Radiology** 1986 Nov; 161(2):455–8

ADMINISTRATION & DOSAGE

Limb muscle compression: an alternative technique for intravenous digital subtraction angiography. Thomas ML, et al. **Br J Radiol** 1987 Feb;60(710):123–5

ADVERSE EFFECTS

The effect of intrathecal iohexol on visual evoked response latency: a comparison including incidence of headache with iopamidol and metrizamide in myeloradiculography. Broadbridge AT, et al. **Clin Radiol** 1987 Jan;38(1):71–4

Tolerance of iohexol, iopamidol, and metrizamide in lumbar myelography. Elkin CM, et al. **Surg Neurol** 1986 Dec; 26(6):542–6

[Cerebral seizure following lumbar myelography with iopamidol] Grunert P, et al. **Radiologe** 1986 Nov; 26(11):526–7 (Eng. Abstr.) **(Ger)**

[Transvenous DSA: ECG-controlled cardiac effects and venous complications in pre-trial injection of nonionic contrast media] Arlart IP, et al. **Rontgenpraxis** 1986 Sep; 39(9):293–9 **(Ger)**

[Modification of prostaglandin metabolism (increased susceptibility to thrombosis?) by roentgen contrast media in arteriography] Krause FJ. **Rontgenpraxis** 1987 Jan; 40(1):15–8 **(Ger)**

[Tolerance of contrast media in double injections] Tschakert H. **Rontgenpraxis** 1986 Sep;39(9):287–92 **(Ger)**

[Hemodynamic side effects of an ionic and a nonionic roentgen contrast medium in patients with heart valve diseases and pulmonary hypertension] Schräder R, et al. **Z Kardiol** 1986 Sep;75(9):528–35 (Eng. Abstr.) **(Ger)**

[Complications during cardioangiography using 2 different contrast media] Carosio G, et al. **Minerva Cardioangiol** 1986 Dec;34(12):763–6 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

Low dose urography. A clinical comparison of three low osmolar (ratio 3) contrast media. Björk L, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Sep–Oct;27(5):557–9

Iohexol versus iopamidol for cervical myelography: a randomised double blind study. Macpherson P, et al. **Br J Radiol** 1985 Sep;58(693):849–51

Comparison of low-osmolar contrast media in paediatric cardiac angiography. Rubin CM, et al. **Br J Radiol** 1987 Feb;60(710):133–5

New contrast media. **Med Lett Drugs Ther** 1987 Apr 24; 29(738):43–4

CT iopamidol cisternographic diagnosis of coexisting partial empty sella and pituitary adenoma. Report of two cases. Pompili A, et al. **Neuroradiology** 1987;29(1):93–4

Iohexol 300 mg I/ml versus Iopamidol 300 mg I/ml for cervical myelography double blind trial. Valk J, et al. **Neuroradiology** 1987;29(2):202–5

Contrast venography of the leg: diagnostic efficacy, tolerance, and complication rates with ionic and nonionic contrast media. Bettmann MA, et al. **Radiology** 1987 Oct; 165(1):113–6

The use of iopamidol, a non-ionic contrast medium, in retrograde cholangiopancreatography: a comparative evaluation. Camellini U, et al. **Rays** 1985 Jan–Apr; 10(1):53–9

Urography in children with renal failure using different contrast media. Sarperi M, et al. **Rays** 1985 Jan–Apr; 10(1):23–30

[Quality control in urography with iopamidol and iohexol. A parallel comparison] Stacul F, et al. **Radiol Med (Torino)** 1987 Mar;73(3):196–8 (Eng. Abstr.) **(Ita)**

[The quality of urography with iopamidol and various diuretic agents] Stacul F, et al. **Radiol Med (Torino)** 1987 Jul–Aug;74(1–2):93–6 (Eng. Abstr.) **(Ita)**

[A formulation of iopamidol for the radiologic examination of the gastrointestinal tract. Preclinical studies] Tirone P, et al. **Radiol Med (Torino)** 1987 Mar;73(3):188–95 (Eng. Abstr.) **(Ita)**

[Clinical studies with a new non-ionic contrast medium (iopamidol) in intravenous pyelography in aged patients] Miyakawa M, et al. **Hinyokika Kiyo** 1987 Mar;33(3):465–70 (Eng. Abstr.) **(Jpn)**

[Time course of changes in left ventricular function in systole and diastole after left ventriculography—a comparison between diatrizoate and iopamidol] Tani M, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Aug 25; 46(8):1017–22 (Eng. Abstr.) **(Jpn)**

[Iopamidol for excretory urography in children] Kawanami T, et al. **Rinsho Hoshasen** 1987 Feb;32(2):355–8 **(Jpn)**

METABOLISM

Pharmacokinetics of Iopamidol after intrathecal administration in humans. Duchin KL, et al. **AJNR** 1986 Sep–Oct;7(5):895–8

Penetration of the brain by nonionic water soluble tri- and hexaiodinated contrast media. Experimental autoradiographic study of two contrast media: Iotrol and Iopamidol labelled with iodine 125. Castel JC, et al. **Neuroradiology** 1987;29(2):206–10

Rate of clearance of intrathecal iopamidol in the dog. Wilcox J, et al. **Neuroradiology** 1986;28(4):359–61

PHARMACODYNAMICS

Direct cardiac effects of an ionic and a non-ionic contrast medium in dogs. Palik I, et al. **Eur J Radiol** 1986 Nov; 6(4):296–300

Iopamidol and neural tissue metabolism. A comparative in vitro study. Ekholm SE, et al. **Invest Radiol** 1986 Oct; 21(10):798–801

Acute systemic and renal hemodynamic effects of meglumine/sodium diatrizoate 76% and iopamidol in euvolemic and dehydrated dogs. Katzberg RW, et al. **Invest Radiol** 1986 Oct;21(10):793–7

Contrast media and renal function in the immature kidney. Newman B, et al. **Invest Radiol** 1987 Jul;22(7):608–12

Comparative effects of nonionic (iopamidol) and ionic (sodium and meglumine diatrizoate) contrast media for urography on urinary excretion of water and solutes. Garibotto G, et al. **Urol Radiol** 1986;8(4):199–203

TOXICITY

Effects of contrast media on rheological parameters. In vitro study. Acciavatti A, et al. **Rays** 1985 Jan–Apr;10(1):31–7

Cardiovascular effects of ionic and non-ionic contrast media during and after rapid sequence urography. Muto R, et al. **Rays** 1985 Sep–Dec;10(3):49–53

IOPANOIC ACID

ADVERSE EFFECTS

Iododerma occurring after orally administered iopanoic acid. Boudoulas O, et al. **Arch Dermatol** 1987 Mar;123(3):387–8

PHARMACODYNAMICS

Effects of iopanoic acid on thyroid hormone receptor, growth hormone production, and triiodothyronine generation from thyroxine in pituitary GH1 cells. Pascual A, et al. **Endocrinology** 1987 Mar;120(3):1089–96

Inhibition of the response of thyrotrophin to thyrotrophin-releasing hormone by thyroxine in hypothyroid rats treated with iopanoic acid: evidence suggesting an intrinsic biological activity of thyroxine without prior conversion to 3,5,3'-tri-iodothyronine. Boado RJ, et al. **J Endocrinol** 1987 Jun;113(3):349–54

TOXICITY

Increased nephrotoxicity caused by combined cholecystography? (Animal experiment). Bor K, et al. **Rays** 1985 Sep–Dec;10(3):61–5

IOPHENDYLATE see under **IODOBENZENES**

IOPODATE see **IPODATE**

IOTALAMATE MEGLUMINE see **IOTHALAMATE MEGLUMINE**

IOTALAMIC ACID see **IOTHALAMIC ACID**

IOTHALAMATE MEGLUMINE

ADVERSE EFFECTS

A comparison of the incidence of cardiac arrhythmias produced by two intravenous contrast media in coronary artery disease. Foster CJ, et al. **Clin Radiol** 1987 Jul; 38(4):399–401

DIAGNOSTIC USE

Chronic subdural hematomas. Time–density curve and iodine concentration in enhanced CT. Karasawa H, et al. **Neuroradiology** 1987;29(1):36–9

Preheated contrast media: the advantage of intravenous injection. Fader MI. **Radiol Technol** 1986 Nov–Dec; 58(2):117–9

Contrast venography of the leg: diagnostic efficacy, tolerance, and complication rates with ionic and nonionic contrast media. Bettmann MA, et al. **Radiology** 1987 Oct; 165(1):113–6

Comparison of two strengths of iohexol and iothalamate in urography. Davies P, et al. **Urol Radiol** 1987;9(1):30–5

PHARMACODYNAMICS

[Comparative study between a new contrast medium of low sodium concentration, AG 64-03 (meglumine ioxithalamate and sodium) and iothalamate meglumine and sodium] Lessa I da S, et al. **Arq Bras Cardiol** 1986 Apr;46(4):291–4 (Eng. Abstr.) **(Por)**

THERAPEUTIC USE

Contrast-enhanced computed tomography of the normal and abnormal gallbladder. Whitehouse RW, et al. **Br J Radiol** 1986 Nov;59(707):1083–5

TOXICITY

Contrast media viscosity: a contributing factor in blood–brain barrier damage following intracarotid contrast injection? Wycherley AG, et al. **Australas Radiol** 1986 May;30(2):96–8

IOTHALAMIC ACID

ADMINISTRATION & DOSAGE

Radiation dose enhancement therapy with iodine in rabbit VX-2 brain tumors. Iwamoto KS, et al. **Radiother Oncol** 1987 Feb;8(2):161–70

ADVERSE EFFECTS

[Biochemical aspects of the adverse reaction of contrast media—sequential changes in the amount of kininogen in dog plasma after injection of various amounts of contrast media] Kunihara G, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Sep 25; 46(9):1112–24 (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

Unusual neurological complications of lumbar myelography with dimeglumine iocarmate (Dimer X). Açikgöz B, et al. **Paraplegia** 1986 Nov–Dec;24(6):379–82

Anticoagulant activity of ioglicinic acid, a new ionic contrast medium. De Caterina M, et al. **Rays** 1986 May–Aug; 11(2):25–9

Morphological and functional abnormalities in platelets exposed in vitro to ioglicinic acid, a new ionic contrast medium. De Caterina M, et al. **Ric Clin Lab** 1987 Apr–Jun; 17(2):143–7

[Tolerance of contrast media in double injections] Tschakert H. **Rontgenpraxis** 1986 Sep;39(9):287–92 **(Ger)**

METABOLISM

Absorption of iothalamate after oral administration: a preliminary study in humans and interspecies differences. Prueksaritanont T, et al. **Biopharm Drug Dispos** 1987 Jan–Feb;8(1):99–101

Renal and non-renal clearances of iothalamate. Prueksaritanont T, et al. **Biopharm Drug Dispos** 1986 Jul–Aug;7(4):347–55

Absorption of iothalamate after oral administration and absorption enhancement by amino acids in dogs and rats. Prueksaritanont T, et al. **Biopharm Drug Dispos** 1986 Sep–Oct;7(5):463–78

IOTHALAMIC ACID METHYLGLUCAMINE see **IOTHALAMATE MEGLUMINE**

IOXAGLATE see **IOXAGLIC ACID**

IOXAGLATE, MEGLUMINE see **IOXAGLIC ACID**

IOXAGLATE, SODIUM see **IOXAGLIC ACID**

IOXAGLIC ACID

Comparative trial of Hexabrix (320 mg iodine/ml), iohexol (300 mg iodine/ml) and iopamiron (300 mg iodine/ml) in cerebral and spinal angiography: a preliminary report. Doyon D, et al. **Br J Radiol** 1987 Jul;60(715):671–5

Clinical intravenous urography: comparative trial of ioxaglate and iopamidol. Loughran CF. **Radiology** 1986 Nov; 161(2):455–8

High-dose clinical urography with the low-osmolality contrast agent Hexabrix: comparison with a conventional contrast agent. Spataro RF, et al. **Radiology** 1987 Jan;162(1 Pt 1):9–14

ADVERSE EFFECTS

A comparison of the incidence of cardiac arrhythmias produced by two intravenous contrast media in coronary artery disease. Foster CJ, et al. **Clin Radiol** 1987 Jul; 38(4):399–401

Pain during angiography: a randomized double-blind trial comparing ioxaglate and diatrizoate. Pathria M, et al. **J Can Assoc Radiol** 1987 Mar;38(1):32–4

Focal epileptic activity following intravenous contrast material injection in patients with metastatic brain disease. Avrahami E, et al. **J Neurol Neurosurg Psychiatry** 1987 Feb;50(2):221–3

Incompatibility of Hexabrix and papaverine in peripheral arteriography. Shah SJ, et al. **Radiology** 1987 Mar; 162(3):619–20

Pulmonary arteriography: comparison of cough stimulation effects of diatrizoate and ioxaglate. Smith DC, et al. **Radiology** 1987 Mar;162(3):617–8

[Evaluation of cardiac tolerance of intravenous digital angiography] Baudouy P, et al. **J Mal Vasc** 1987; 12(2):208–12 (Eng. Abstr.) **(Fre)**

BLOOD

Pharmacokinetic study of ioxaglate, a low osmolality contrast medium, in patients with renal failure. Bourin M, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Nov;24(11):614–21

DIAGNOSTIC USE

Low dose urography. A clinical comparison of three low osmolar (ratio 3) contrast media. Björk L, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Sep–Oct;27(5):557–9

Vascular enhancement during incremental body computed tomography. A simple and reliable technique. Nyman U, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Nov–Dec; 27(6):667–73

Incompatibility of Hexabrix and papaverine [letter] Delcour C. **AJR** 1986 Nov;147(5):1096

Clinical use of Hexabrix for radiological evaluation of leakage from the upper gastrointestinal tract based on experimental study. Ginai AZ. **Br J Radiol** 1987 Apr;60(712):343–6

A comparative trial of the diagnostic quality of and tolerance for two low concentration low osmolality contrast media for phlebography. Bowles JN, et al. **Eur J Radiol** 1986 Nov;6(4):301–2

Safety and efficacy of sodium and meglumine ioxaglate (Hexabrix) and Hypaque M60% in contrast-enhanced computed cranial tomographic scanning. A double-blind clinical study. Ramsey RG, et al. **Invest Radiol** 1987 Jan; 22(1):56–61

New contrast media. **Med Lett Drugs Ther** 1987 Apr 24; 29(738):43–4

Knee arthrography: a comparison of iohexol, ioxaglate sodium meglumine, and metrizoate. Obermann WR, et al. **Radiology** 1987 Mar;162(3):729–33

TOXICITY

Incidence of ventricular fibrillation during coronary arteriography in the rabbit. A comparative study of isotonic ioxaglate and iohexol. Donadieu AM, et al. **Invest Radiol** 1987 Feb;22(2):106–10

Pulmonary arteriography: comparison of cough stimulation effects of diatrizoate and ioxaglate [letter] Seyferth W, et al. **Radiology** 1987 Sep;164(3):875–6

IPECAC

Ipecac abuse: a serious complication in bulimia. Friedman AG, et al. **Gen Hosp Psychiatry** 1987 May;9(3):225–8

ADMINISTRATION & DOSAGE

Effect of fluid volume on ipecac-induced emesis. Grbcich PA, et al. **J Pediatr** 1987 Jun;110(6):970-2
Effect of milk on ipecac-induced emesis. Grbcich PA, et al. **J Pediatr** 1987 Jun;110(6):973-5

ADVERSE EFFECTS

Gastric rupture and death caused by ipecac syrup. Knight KM, et al. **South Med J** 1987 Jun;80(6):786-7
Myopathy from surreptitious ipecac ingestion. Rosenberg NL, et al. **West J Med** 1986 Sep;145(3):386-8

ANALYSIS

Determination of the potency of outdated ipecac using high pressure liquid chromatography and its clinical significance. Hornfeldt CS, et al. **Vet Hum Toxicol** 1987 Jun;29(3):254-6
Old vs fresh syrup of ipecac [letter] Huff MR, et al. **Vet Hum Toxicol** 1986 Oct;28(5):433-4

SUPPLY & DISTRIBUTION

Patterns of calling time and ipecac availability among poison center callers. Amitai Y, et al. **Am J Dis Child** 1987 Jun; 141(6):622-5

THERAPEUTIC USE

A clinical trial using syrup of ipecac and activated charcoal concurrently. Freedman GE, et al. **Ann Emerg Med** 1987 Feb;16(2):164-6
Efficacy of ipecac-induced emesis, orogastric lavage, and activated charcoal for acute drug overdose. Tenenbein M, et al. **Ann Emerg Med** 1987 Aug;16(8):838-41
Syrup of ipecacuanha: is it really useful? [letter] **Br Med J** 1987 Jan 24;294(6566):247
Syrup of ipecacuanha: is it really useful? [editorial] Vale JA, et al. **Br Med J [Clin Res]** 1986 Nov 22;293(6558):1321-2
Ipecac-induced emesis and reduction of plasma concentrations of drugs following accidental overdose in children. Amitai Y, et al. **Pediatrics** 1987 Sep;80(3):364-7
Expired ipecac syrup efficacy. Grbcich PA, et al. **Pediatrics** 1986 Dec;78(6):1085-9
Syrup of ipecac induced emesis: impact of fluids versus no fluids on time until emesis. Bobbink S, et al. **Vet Hum Toxicol** 1986 Dec;28(6):580
[Efficiency and safety of ipecac syrup in the treatment of acute poisoning] Nogué S, et al. **Med Clin (Barc)** 1987 May 23;88(20):795-7 (Eng. Abstr.) **(Spa)**

IPECINE see **EMETINE**

IPODATE

PHARMACODYNAMICS

The effects of sodium ipodate (ORAgrafin) on thyroid function in rainbow trout, Salmo gairdneri. Cyr DG, et al. **Gen Comp Endocrinol** 1986 Jul;63(1):86-92

THERAPEUTIC USE

Treatment of neonatal hyperthyroidism due to Graves' disease with sodium ipodate. Karpman BA, et al. **J Clin Endocrinol Metab** 1987 Jan;64(1):119-23
Effect of sodium ipodate and iodide on free T4 and free T3 concentrations in patients with Graves' disease. Robuschi G, et al. **J Endocrinol Invest** 1986 Aug;9(4):287-91

IPRINDOLE see under **INDOLES**

IPRONAL see under **BARBITURATES**

IPRONIAZID

ADVERSE EFFECTS

[Hyperthermia and rhabdomyolysis caused by a monoamine oxidase inhibitor (letter)] Marruecos Sant L, et al. **Med Clin (Barc)** 1987 Feb 21;88(7):301 **(Spa)**

METABOLISM

Spin trapping of free radical intermediates produced during the metabolism of isoniazid and iproniazid in isolated hepatocytes. Albano E, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):2913-20

PHARMACODYNAMICS

[Inhibition of the formation of desmosine cross-links in elastin] Wimmerová J, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1985;28(5):539-48 (Eng. Abstr.) **(Cze)**
[Changes in the protein level in rat hippocampal neurons during development of the alimentary conditioned reflex under normal conditions and after treatment with iproniazid] Segal OL, et al. **Biol Nauki** 1987;(4):55-60 (Eng. Abstr.) **(Rus)**
[Changes in the dry mass of neurons of the motor cortex in rats during the development of the general conditioned motor-digestive reflex in normal states and under the effect of iproniazid] Mats VN, et al. **Izv Akad Nauk SSSR [Biol]** 1987 May-Jun;(3):430-6 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

A comparative trial of a MAOI, iproniazide, and a polycyclic agent, mianserine, for the search of the most rapidly and frequently active treatment of depressive syndromes in an oncology service. Mathé G, et al. **Biomed Pharmacother** 1987;41(1):13-26

IPRONIDAZOLE see under **NITROIMIDAZOLES**

IPROVERATRIL see **VERAPAMIL**

IPSID see **IMMUNOPROLIFERATIVE SMALL INTESTINAL DISEASE**

IR GENES see **GENES, IMMUNE RESPONSE**

IRIDIUM

An autoclavable transport container for guide-wires containing iridium 192. Deans T, et al. **Br J Radiol** 1986 Dec;59(708):1223-4
The use of simulator-based computed tomography in iridium-192 dosimetry. Kotre CJ, et al. **Br J Radiol** 1986 Oct;59(706):1035-6
The development of an 191Os——191mIr generator using an osmium chelate parent complex—I. Trans-dioxobismalonatoosmate(VI). Packard AB, et al. **Int J Rad Appl Instrum [B]** 1986;13(5):519-22

ADMINISTRATION & DOSAGE

Safety of 125iodine and 192iridium implants to the canine carotid artery. Long-term results. Fee WE Jr, et al. **Acta Otolaryngol (Stockh)** 1987 May-Jun;103(5-6):514-8
High-activity intraluminal 192iridium endocurietherapy for treatment of esophageal cancer. Kumar PP, et al. **Radiat Med** 1986 Apr-Jun;4(2):54-9
[Curietherapy of palpebral epithelioma with iridium-192. Method and results apropos of 192 cases treated at the Claudius-Regaud Center] de Lafontan B, et al. **J Fr Ophtalmol** 1986;9(6-7):471-9 (Eng. Abstr.) **(Fre)**
[Clinical evaluation of afterloading an Ir-192 source in the treatment of tongue cancer] Horiuchi J, et al. **Rinsho Hoshasen** 1986 Nov;31(12):1435-40 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Occupational radiodermatitis from Ir192 exposure. Condé-Salazar L, et al. **Contact Dermatitis** 1986 Oct; 15(4):202-4

THERAPEUTIC USE

The role of interstitial irradiation (brachytherapy) with iridium-192 in the treatment of head and neck cancers. Schmid AP, et al. **Arch Otorhinolaryngol** 1987;244(1):15-9
The cost of interstitial curietherapy using iridium pins and needles [letter] Denham JW, et al. **Australas Radiol** 1987 Feb;31(1):93-4
New methods for implanting plastic tubes for 192iridium brachytherapy using steel needles. Colthart RS, et al. **Clin Radiol** 1987 May;38(3):275-6
An integrated system for interstitial 192Ir implants. Bourland JD, et al. **Int J Radiat Oncol Biol Phys** 1987 Mar; 13(3):455-63
Salvage irradiation of oropharyngeal cancers using iridium 192 wire implants: 5-year results of 70 cases. Mazeron JJ, et al. **Int J Radiat Oncol Biol Phys** 1987 Jul;13(7):957-62
Radiation therapy for carcinoma of the pinna using iridium 192 wires: a series of 70 patients. Mazeron JJ, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1757-63
A surface mold using iridium-192 seeds. Rosen I, et al. **Int J Radiat Oncol Biol Phys** 1986 Dec;12(12):2203-7
Re: Preliminary observations on the results of combined temporary 192iridium implantation and external beam irradiation for carcinoma of the prostate [letter] Klein FA, et al. **J Urol** 1987 May;137(5):1010-1
Interstitial radiobrachytherapy of malignant cerebral neoplasms: rationale, methodology, prospects. Apuzzo ML, et al. **Neurol Res** 1987 Jun;9(2):91-100
Stereotactic biopsy and brachytherapy of brain tumours. Dyck P, et al. **Neurol Res** 1987 Jun;9(2):69-90
Radiation control in the intensive care unit for high intensity iridium-192 brain implants. Sewchand W, et al. **Neurosurgery** 1987 Apr;20(4):584-8
Intraluminal endocurietherapy of inoperable Klatskin's tumor with high-activity 192iridium. Kumar PP, et al. **Radiat Med** 1986 Jan-Mar;4(1):21-6
Malignant biliary obstruction: intracavitary treatment with a high-dose-rate remote afterloading device. Haffty BG, et al. **Radiology** 1987 Aug;164(2):574-6
Brachytherapy implants with differently spaced Ir-192 seeds: a dosimetric study. Muller-Runkel R, et al. **Radiology** 1987 Oct;165(1):271-4
Template-guided interstitial implants: Cs-137 reusable sources as a substitute for Ir-192. Williamson JF, et al. **Radiology** 1987 Oct;165(1):265-9
Carcinoma of the female urethra: combined iridium Ir 192 interstitial and external beam radiotherapy. Klein FA, et al. **South Med J** 1987 Sep;80(9):1129-32
Statistical evaluation of a total dose-dose rate relationship in oral tongue cancer 192 Ir implants. Feroldi P, et al. **Strahlenther Onkol** 1986 Sep;162(9):561-4
[192Ir afterloading machine for intracavitary radiotherapy—first unit installed in China] Yu GR, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Jul;8(4):300-2 (Eng. Abstr.) **(Chi)**
[Curietherapy of the eustachian tube with Ir-192] Peynègre R, et al. **Ann Otolaryngol Chir Cervicofac** 1987; 104(3):187-94 (Eng. Abstr.) **(Fre)**
[First results of high-dose-rate 192-Iridium afterloading method applied alone or associated with laser therapy in tumors of the respiratory and digestive tracts] Ries G, et al. **Strahlenther Onkol** 1986 Sep;162(9):555-60 (Eng. Abstr.) **(Ger)**
[Interstitial irradiation by 192Ir seed assemblies in fixed cervical lymph node metastases] Tsujii H, et al. **Gan No Rinsho** 1987 Apr;33(4):352-60 (Eng. Abstr.) **(Jpn)**
[Measurement of radiation exposures to the radiotherapists in the brachytherapy—comparison of the iridium and cesium therapy] Matsuoka Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Aug 25; 46(8):1035-40 (Eng. Abstr.) **(Jpn)**
[Treatment of stages I and II of breast cancer by limited surgery and radiation boost to the tumor bed using iridium-192. Experience in 92 patients controlled during 4 years] Guix B, et al. **Med Clin (Barc)** 1987 Mar 28; 88(12):481-5 (Eng. Abstr.) **(Spa)**

IRIDOCYCLITIS see **UVEITIS, ANTERIOR**

IRIDOVIRIDAE

ANALYSIS

Proteins synthesized in African swine fever virus-infected cells analyzed by two-dimensional gel electrophoresis. Urzainqui A, et al. **Virology** 1987 Sep;160(1):286-91

DRUG EFFECTS

Comparative efficacy of broad-spectrum antiviral agents as inhibitors of African swine fever virus replication in vitro. Gil-Fernández C, et al. **Antiviral Res** 1987 Mar;7(3):151-60

ENZYMOLOGY

Single-stranded deoxyribonucleic acid nuclease induced by African swine fever virus and associated to the virion. Barros MF, et al. **Virology** 1986 Nov;155(1):183-91
Infection with frog virus 3 allows transcription of DNA methylated at cytosine but not adenine residues. Thompson JP, et al. **Virology** 1987 Sep;160(1):275-7

GENETICS

Hairpin loop structure of African swine fever virus DNA. González A, et al. **Nucleic Acids Res** 1986 Sep 11; 14(17):6835-44
Trans-activation of a methylated adenovirus promoter by a frog virus 3 protein. Thompson JP, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7688-92
Molecular cloning and physical mapping of the genome of insect iridescent virus type 6: further evidence for circular permutation of the viral genome. Schnitzler P, et al. **Virology** 1987 Sep;160(1):66-74

GROWTH & DEVELOPMENT

Cytopathogenic effect of African swine fever virus for pig monocytes: characterization and use in microassay. Knudsen RC, et al. **Vet Microbiol** 1987 May;14(1):15-24

IMMUNOLOGY

AIDS and African swine fever virus [letter] Feorino P, et al. **Lancet** 1986 Oct 4;2(8510):815
In vivo and in vitro effects of moderately virulent African swine fever virus on mitogenesis of pig lymphocytes. Knudsen RC, et al. **Vet Immunol Immunopathol** 1987 Jul; 15(4):323-36

ISOLATION & PURIFICATION

Identification of African swine fever viral antigens in the hemolymph of soft ticks (Argasidae: Ornithodoros) by the immunodot blot test. Geering G, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):1027-34
Detection of DNA viruses by radioactive and non radioactive DNA probes: application to African swine fever virus. Tabarés E. **Arch Virol** 1987;92(3-4):233-42
A hemolymph test for the detection of African swine fever virus in Ornithodoros coriaceus (Acari: Argasidae). Endris RG, et al. **J Med Entomol** 1987 Mar;24(2):192-7

METABOLISM

Proteins specified by African swine fever virus: V. Identification of immediate early, early and late proteins. Escribano JM, et al. **Arch Virol** 1987;92(3-4):221-32
African swine fever virus-induced polypeptides in Vero cells. Santarén JF, et al. **Virus Res** 1986 Sep;5(4):391-405

PHYSIOLOGY

Glycosylated components induced in African swine fever (ASF) virus-infected Vero cells. del Val M, et al. **Virus Res** 1987 Jun;7(4):297-308

IRIS

Iris metastasis from squamous cell carcinoma of the uterine cervix. Case report. Kurosawa A, et al. **Arch Ophthalmol** 1987 May;105(5):618

Neovascular glaucoma associated with an iris melanoma. A clinicopathologic report. Shields MB, et al. **Arch Ophthalmol** 1987 May;105(5):672–4

Muscle tone and drug sensitivity of isolated bovine iris sphincter are enhanced at low temperatures. Suzuki R, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(2):137–40

Iridocyclitis masquerade syndrome [clinical conference] Michelson JB, et al. **Surv Ophthalmol** 1986 Sep–Oct; 31(2):125–30

[A new iris retractor for the implantation of a posterior chamber lens with a tight pupil] Rutschke M, et al. **Klin Monatsbl Augenheilkd** 1986 Jul;189(1):63 (Eng. Abstr.) **(Ger)**

ABNORMALITIES

Ring chromosome 6: report of a patient and literature review. Chitayat D, et al. **Am J Med Genet** 1987 Jan;26(1):145–51 (24 ref.)

Aniridia, congenital glaucoma, and hydrocephalus in a male infant with ring chromosome 6. Levin H, et al. **Am J Med Genet** 1986 Oct;25(2):281–7

Histopathologic study of ocular changes in a syndrome of multiple congenital anomalies. Duvall J, et al. **Am J Ophthalmol** 1987 May 15;103(5):701–5

Ocular coloboma and hypothalamic hypogonadism. Case report. Shenkman L. **Arch Ophthalmol** 1987 Aug; 105(8):1023–4

Specular microscopy in aniridia. Weiss JS, et al. **Cornea** 1987; 6(1):27–31

Regional localization of DNA probes on the short arm of chromosome 11 using aniridia–Wilms' tumor–associated deletions. Mannens M, et al. **Hum Genet** 1987 Feb; 75(2):180–7

Aniridia and Wilms' tumor in a child constitutionally mosaic for 11p–;12q+: a new chromosomal change also present in Wilms' tumor cells of the blastema type. Trigg ME, et al. **Hum Pathol** 1986 Oct;17(10):1074–7

G and R banding of 11p deletions in aniridia—Wilms' tumour. Howell RT, et al. **J Med Genet** 1987 Feb;24(2):114–5

Bilateral aniridia with Marfan's syndrome and dental anomalies—a new association. Sachdev MS, et al. **Jpn J Ophthalmol** 1986;30(4):360–6

Aniridia, atypical iris defects, optic pit and the morning glory disc anomaly in a family. Traboulsi EI, et al. **Ophthalmic Paediatr Genet** 1986 Aug;7(2):131–5

Corneal changes in familial iris coloboma [letter] Traboulsi EI. **Ophthalmology** 1986 Oct;93(10):1369–70

Aniridic glaucoma: the results of gonio-surgery to prevent and treat this problem. Walton DS. **Trans Am Ophthalmol Soc** 1986;84:59–70

[Terminal renal failure in aniridia–Wilms syndrome] Wilms H, et al. **Klin Wochenschr** 1986 Sep 1;64(17):800–3 (Eng. Abstr.) **(Ger)**

[A case of aniridia–Wilms' tumor syndrome] Ogura A, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Feb;78(2):341–5 (Eng. Abstr.) **(Jpn)**

[Peters' anomaly with developmental changes in the iris of the other eye] Bieganowski L, et al. **Klin Oczna** 1986 Mar; 88(3):96–7 (Eng. Abstr.) **(Pol)**

[Various types of persistent pupillary membrane] Bryk E. **Klin Oczna** 1986 May;88(5):164–6 (Eng. Abstr.) **(Pol)**

[On congenital colobomas of the iris and aniridia] Bryk E. **Klin Oczna** 1986 Jul;88(7):255–7 (Eng. Abstr.) **(Pol)**

[Congenital cataract, iris hypoplasia and microphthalmos] Enache D. **Rev Chir [Oftalmol]** 1986 Oct–Dec;30(4):295–8 (Eng. Abstr.) **(Rum)**

[Corectopia, microphthalmos and facial hemiatrophy] Manea E. **Rev Chir [Oftalmol]** 1986 Oct–Dec;30(4):291–4 (Eng. Abstr.) **(Rum)**

ANALYSIS

Levels of neurokinin A, neurokinin B and substance P in rabbit iris sphincter muscle. Taniguchi T, et al. **Jpn J Pharmacol** 1986 Dec;42(4):590–3

BLOOD SUPPLY

Radiation retinopathy as an experimental model for ischemic proliferative retinopathy and rubeosis iridis. Irvine AR, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):790–7

Ocular signs of cocaine intoxication in neonates. Isenberg SJ, et al. **Am J Ophthalmol** 1987 Feb 15;103(2):211–4

Changes in the iris vasculature and corneal endothelium in chronic cyclitis. Brooks AM, et al. **Aust N Z J Ophthalmol** 1986 Aug;14(3):189–97

Arteriovenous communication of the iris. Prost M. **Br J Ophthalmol** 1986 Nov;70(11):856–9

Luminal vesicles in endothelial cells of retinal and iridial vessels of the rat. Lin WL, et al. **Curr Eye Res** 1987 Jun; 6(6):785–92

Hypotony and experimental rubeosis iridis in primate eyes. A clinicopathologic study. Peyman GA, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(5):435–42

Congenital glaucoma with neovascularisation of iris–managed by a new silicone drainage implant. Alexander TA, et al. **Indian J Ophthalmol** 1985 Jul–Aug; 33(4):245–7

Central retinal artery occlusion with an irido-embolus following carotid endarterectomy. Etre JM, et al. **J Am Optom Assoc** 1987 May;58(5):419–22

Neovascular glaucoma as a complication of the Wyburn–Mason syndrome. Effron L, et al. **J Clin Neuro Ophthalmol** 1985 Jun;5(2):95–8

New clinical classification for iris neovascularization. Tauber J, et al. **Ophthalmology** 1987 May;94(5):542–4

[Scanning electron microscopy of the corrosion cast of the blood vessels of the uvea: I. Angioarchitecture of the iris and ciliary body] Zhang HR. **Chung Hua Yen Ko Tsa Chih** 1987 Mar;23(2):104–7 (Eng. Abstr.) **(Chi)**

[Fluorescein angiography of the iris in patients with diabetes] Mašek P, et al. **Cesk Oftalmol** 1986 Jul;42(4):275–8 **(Cze)**

[Photocoagulation in diabetic rubeosis iridis and neovascular glaucoma] Pauleikhoff D, et al. **Klin Monatsbl Augenheilkd** 1987 Jan;190(1):11–6 (Eng. Abstr.) **(Ger)**

[Experiences with a modified, intraocular pressure–reducing excision of the ciliary body] Welge-Lüssen L, et al. **Klin Monatsbl Augenheilkd** 1986 Sep;189(3):199–203 (Eng. Abstr.) **(Ger)**

[Microcirculatory disorders of the iris in different stages of diabetic retinopathy] Kishkina VIa, et al. **Oftalmol Zh** 1986; (5):296–9 (Eng. Abstr.) **(Rus)**

[Fluorescence iridoangiography in assessing iris microcirculation with the implantation of intraocular lenses made of silicon and polymethylmethacrylate] Fedorov SN, et al. **Vestn Oftalmol** 1987 May–Jun;103(3):18–21 (Eng. Abstr.) **(Rus)**

[Microcirculation of the iris during YAG–laser dissection of the posterior capsule of the lens in patients with artificial lens implants using a neodynium laser on aluminum–yttrium garnet] Kishkina VIa, et al. **Vestn Oftalmol** 1986 Nov–Dec; 102(6):34–6 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Age–related changes of iris stromal melanocytes in human eyes. Sugita A, et al. **Jpn J Ophthalmol** 1986;30(2):174–9

DRUG EFFECTS

Phorbol ester–induced protein phosphorylation and contraction in sphincter smooth muscle of rabbit iris. Howe PH, et al. **FEBS Lett** 1987 May 11;215(2):279–84

Correlative studies on the effect of carbachol on myo–inositol trisphosphate accumulation, myosin light chain phosphorylation and contraction in sphincter smooth muscle of rabbit iris. Howe PH, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):574–83

Effects of neurokinin A, substance P and electrical stimulation on the rabbit iris sphincter muscle. Ueda N, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):494–9

A difference in mode of antagonism between optical isomers of a potent selective alpha 1–adrenoceptor blocker (YM–12617) and norepinephrine in isolated rabbit iris dilator and aorta. Takayanagi I, et al. **Jpn J Pharmacol** 1986 Dec;42(4):579–82

[Effects of substance P, substance K and VIP on the mammalian iris sphincter muscles] Suzuki R, et al. **Nippon Ganka Gakkai Zasshi** 1986 Aug;90(8):1039–43 (Eng. Abstr.) **(Jpn)**

EMBRYOLOGY

Embryonic origin of skeletal muscle cells in the iris of the duck and quail. Yamashita T, et al. **Cell Tissue Res** 1987 Jul;249(1):31–7

ENZYMOLOGY

Enzymatic activities in the iris–ciliary body of the rabbit eye during experimentally induced acute ocular inflammation. Phylactos AC, et al. **Curr Eye Res** 1987 Jul;6(7):865–83

Delta 1–pyrroline–5–carboxylate dehydrogenase in the bovine ciliary body and iris. Shiono T, et al. **Invest Ophthalmol Vis Sci** 1987 Mar;28(3):459–62

[Delta 1–pyrroline–5–carboxylate dehydrogenase in the bovine ciliary body and iris] Shiono T, et al. **Nippon Ganka Gakkai Zasshi** 1986 Jul;90(7):988–90 (Eng. Abstr.) **(Jpn)**

GROWTH & DEVELOPMENT

Aging of cholinergic synapses in the avian iris. Part I—Biochemical studies. Giacobini E, et al. **Neurobiol Aging** 1987 Mar–Apr;8(2):123–9

INNERVATION

Quantitation of noradrenaline nerve density in mouse iris by computer–assisted image analysis. Luthman J, et al. **Acta Physiol Scand** 1986 Oct;128(2):167–74

Developmental time course of the sympathetic postganglionic innervation of the rat eye. Vidovic M, et al. **Brain Res** 1987 Mar;429(1):133–8

Morphological changes of sensory CGRP–immunoreactive and sympathetic nerves in peripheral tissues following chronic denervation. Terenghi G, et al. **Histochemistry** 1986;86(1):89–95

Distribution and properties of beta–adrenergic receptors in human iris–ciliary body. Wax MB, et al. **Invest Ophthalmol Vis Sci** 1987 Mar;28(3):420–30

Alpha 1–adrenergic receptor induced subsensitivity and supersensitivity in rabbit iris–ciliary body. Effects on myo–inositol trisphosphate accumulation, arachidonate release, and prostaglandin synthesis. Yousufzai SY, et al. **Invest Ophthalmol Vis Sci** 1987 Mar;28(3):409–19

Innervation of the iris by individual parasympathetic axons in the adult mouse. Jackson PC. **J Physiol (Lond)** 1986 Sep;378:485–95

Multiple tachykinin pools in sensory nerve fibres in the rabbit iris. Håkanson R, et al. **Neuroscience** 1987 Jun;21(3):943–50

METABOLISM

The pharmacokinetics of ocularly applied timolol in rabbits. Huupponen R, et al. **Acta Ophthalmol (Copenh)** 1987 Feb; 65(1):63–6

Characterization of serotonin receptors in the iris + ciliary body of the albino rabbit. Mallorga P, et al. **Curr Eye Res** 1987 Mar;6(3):527–32

Cellular localization of nerve growth factor synthesis by in situ hybridization. Bandtlow CE, et al. **EMBO J** 1987 Apr; 6(4):891–9

Cyclic nucleotide levels of the photosensitive irises of Bufo marinus and Lophius. Rubin LJ, et al. **Exp Eye Res** 1986 Nov;43(5):771–9

The neuronal and extraneuronal uptake and metabolism of 3H–(–)–noradrenaline in the rabbit iris. Fleig HA, et al. **Int Ophthalmol** 1987 Feb;10(1):15–22

Binding sites for a peripheral type benzodiazepine antagonist ([3H]PK 11195) in human iris. Valtier D, et al. **Neuropharmacology** 1987 Jun;26(6):549–52

Eicosapentaenoic acid metabolism in human and rabbit anterior uvea. Kulkarni PS, et al. **Prostaglandins** 1986 Jun; 31(6):1159–64

[Active transport of a beta–blocker in the anterior uvea of albino rabbits] Matsumoto S, et al. **Nippon Ganka Gakkai Zasshi** 1986 Jul;90(7):991–7 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Nephropathic cystinosis: immunohistochemical and histopathologic studies of cornea, conjunctiva and iris. Kaiser–Kupfer MI, et al. **Curr Eye Res** 1987 Apr; 6(4):617–22

Iris pigment loss and hyphema secondary to anteriorly tucked posterior chamber intraocular lens loops [letter] Khaw PT, et al. **J Cataract Refract Surg** 1987 Jul;13(4):453–4

Clinical, electron microscopic, and monoclonal antibody studies of intraocular epithelial downgrowth. Rodrigues MM, et al. **Trans Am Ophthalmol Soc** 1986;84:146–69

[Acute iridoatrophying mydriasis. Status of the matter at the present time] Urrets–Zavalia A. **Bull Mem Soc Fr Ophtalmol** 1986;97:166–8 **(Fre)**

[Irido–corneal endothelial syndrome apropos of a case of essential atrophy of the iris] Lavat P, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1123–5 **(Fre)**

PHYSIOLOGY

A quantitative model of myosin phosphorylation and the photomechanical response of the isolated sphincter pupillae of the frog iris. Barr L, et al. **Biophys J** 1987 Jun; 51(6):895–904

Total iridectomy does not alter outflow facility responses to cyclic AMP in cynomolgus monkeys. Kaufman PL. **Exp Eye Res** 1986 Sep;43(3):441–7

Iris–ciliary complex inhibits protein synthesis by organ cultured mammalian ocular lens cells. Bagchi M, et al. **Invest Ophthalmol Vis Sci** 1987 Apr;28(4):759–62

Comparison of the responses to the sensory neuropeptides, substance P, neurokinin A, neurokinin B and calcitonin gene–related peptide and to trigeminal nerve stimulation in the iris sphincter muscle of the rabbit. Muramatsu I, et al. **Jpn J Pharmacol** 1987 May;44(1):85–92

Model for a possible non–visual function of the iris, lens and peripheral retina. Waniek D. **Med Hypotheses** 1987 Jul; 23(3):309–12

Characterization of postsynaptic alpha 1–adrenoceptors in the rabbit iris dilator smooth muscle. Konno F, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jul; 333(3):271–6

PHYSIOPATHOLOGY

Czarnecki's sign as the initial finding in acquired oculomotor synkinesis. Cox TA. **Am J Ophthalmol** 1986 Oct 15; 102(4):543

Sympathetic iris function in amyotrophic lateral sclerosis. Bogucki A, et al. **J Neurol** 1987 Apr;234(3):185–6

[Epidemiologic characteristics of chronic gastritis. Studies of the iris in mass screening of the population] Alekseev VF. **Vutr Boles** 1986;25(5):27–9 **(Bul)**

SECRETION

Alpha–2 adrenergic modulation of norepinephrine secretion in the perfused rabbit iris–ciliary body. Jumblatt JE, et al. **Curr Eye Res** 1987 Jun;6(6):767–77

SURGERY

Autopsy eye model for laser trabeculoplasty and iridectomy. Shammas AV, et al. **Am J Ophthalmol** 1986 Nov 15; 102(5):664–5

Neodymium:YAG laser iridotomy as a possible contribution

to lens dislocation. Melamed S, et al. **Ann Ophthalmol** 1986 Oct;18(10):281–2

Lens clarity after argon and neodymium–YAG laser iridotomy in the rabbit. Higginbotham EJ, et al. **Arch Ophthalmol** 1987 Apr;105(4):540–1

Effects of topical ALO 2145 (p–aminoclonidine hydrochloride) on the acute intraocular pressure rise after argon laser iridotomy. Robin AL, et al. **Arch Ophthalmol** 1987 Sep;105(9):1208–11

Nanophthalmic eyes and neodymium–YAG laser iridectomies [letter] Singh OS, et al. **Arch Ophthalmol** 1987 Apr;105(4):455–6

Neodymium–YAG laser iridotomy in the treatment and prevention of angle closure glaucoma. A review of 373 eyes. Tomey KF, et al. **Arch Ophthalmol** 1987 Apr; 105(4):476–81

Persistent symptoms after peripheral iridectomy for angle–closure glaucoma. Lowe RF. **Aust N Z J Ophthalmol** 1987 Feb;15(1):83–7

Laser iridotomy. Richardson P, et al. **Aust N Z J Ophthalmol** 1987 May;15(2):119–23

Basal iridectomy at 6 o'clock in the aphakic eye treated with silicone oil: prevention of keratopathy and secondary glaucoma. Beekhuis WH, et al. **Br J Ophthalmol** 1987 Mar; 71(3):197–200

Role of sphincterotomy in extracapsular cataract surgery. Cole MD, et al. **Br J Ophthalmol** 1986 Sep;70(9):692–5

Histological study on transient ocular hypertension after laser iridotomy in rabbits. Tawara A, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(2):114–22

Evaluation of scleral cautery with peripheral iridectomy (Scheie's operation) for glaucomas. Seal GN, et al. **Indian J Ophthalmol** 1973 Sep;21(3):117–20

Study of the first hundred phakic eyes treated by peripheral iridotomy using the N.D. Yag laser. Haut J, et al. **Int Ophthalmol** 1986 Dec;9(4):227–35

Prolapse of a rigid anterior chamber lens through an iridectomy: report of ten cases. Beehler CC. **J Cataract Refract Surg** 1987 Jul;13(4):436–8

Neodymium–YAG laser iridotomy. Brazier DJ. **J R Soc Med** 1986 Nov;79(11):658–60

Correction: Competing technologies: implications for the costs and complexity of medical care [letter] Petitti DB. **N Engl J Med** 1987 May 14;316(20):1279

Classic ideas. A retrievable suture idea for anterior uveal problems. By Malcolm A. McCannel 1976. **Ophthalmic Surg** 1986 Nov;17(11):739–41

Iridectomy technique in trabeculectomy. Freedman J. **Ophthalmic Surg** 1978 Apr;9(2):45–7

"New ideas" section is a good section but is iridoplasty for pigmentary glaucoma? [letter] Jackson DJ. **Ophthalmic Surg** 1987 Mar;18(3):236

Transscleral iridotomy using a neodymium: YAG laser operated both with standard equipment and an optical fiber system—a preliminary report: Part I—Optical system and biomicroscopic results. Rol P, et al. **Ophthalmic Surg** 1987 Mar;18(3):176–82

Transscleral iridotomy using a neodymium: YAG laser operated both with standard equipment and an optical fiber system—a preliminary report: Part II—Light and electron microscopic findings. van der Zypen E, et al. **Ophthalmic Surg** 1987 May;18(5):337–41

A suggested role for argon laser iridoplasty in management of pigmentary glaucoma. Walker JD. **Ophthalmic Surg** 1986 Nov;17(11):762–3

Large iridotomies by the linear incision technique using the neodymium:YAG laser at low energy levels. A study using cynomolgus monkeys. Wise JB. **Ophthalmology** 1987 Jan; 94(1):82–6

Neodymium YAG and dye laser iridotomy—a comparative study. Wishart PK, et al. **Trans Ophthalmol Soc UK** 1986; 105 (Pt 5):521–40

Corneal endothelial changes following short pulsed laser iridotomy and surgical iridectomy. Wishart PK, et al. **Trans Ophthalmol Soc UK** 1986;105 (Pt 5):541–8

[Technic and complications of the argon laser in the treatment of angle–closure glaucoma] Jin JC. **Chung Hua Yen Ko Tsa Chih** 1987 Jan;23(1):1–6 (Eng. Abstr.) **(Chi)**

[Disruption of the blood–aqueous barrier after dye–laser iridectomy] Wang L. **Chung Hua Yen Ko Tsa Chih** 1987 Jan;23(1):34–8 (Eng. Abstr.) **(Chi)**

[Value of the combined Yag picosecond + argon laser in peripheral iridectomies] Blondeau F. **Bull Soc Ophtalmol Fr** 1986 Dec;86(12):1525–6 (Eng. Abstr.) **(Fre)**

[Argon laser iridotomy: is it always harmless?] Durand L, et al. **Bull Soc Ophtalmol Fr** 1987 May;87(5):681–2 **(Fre)**

[The combined trabeculectomy–iridencleisis intervention] Gastaud P, et al. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):51–4 (Eng. Abstr.) **(Fre)**

[Analysis of the first 100 cases of iridotomy with Yag laser: preliminary note] Haut J, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep;86(8–9):991 **(Fre)**

[Value of lower iridotomy using the argon laser in the treatment of various complications of internal tamponade with silicone oil in the aphakic patient] Limon S, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1357–8 **(Fre)**

[Limitations of iris photocoagulation with argon laser in various indications] Malthieu D, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1287–8, 1293–4 **(Fre)**

[Gonioplasty: indications and technic] Sellem E. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):85–6, 89–90 **(Fre)**

[Pupilloplasty with a mobile laser ray (letter)] Theodossiadis GP. **J Fr Ophtalmol** 1986;9(3):249 **(Fre)**

[Behavior of postoperative intraocular pressure following iridectomy and capsulotomy using a neodymium:YAG laser with reference to the effect of indomethacin] Gabel VP, et al. **Fortschr Ophthalmol** 1987;84(1):76–9 (Eng. Abstr.) **(Ger)**

[Neodymium YAG laser iridotomy in glaucoma with narrow chamber angle and pupillary block glaucoma] Schrems W, et al. **Fortschr Ophthalmol** 1987;84(1):72–5 (Eng. Abstr.) **(Ger)**

[Fluorophotometric studies of hydrodynamics following YAG laser iridotomy] Schrems W, et al. **Fortschr Ophthalmol** 1986;83(5):575–8 (Eng. Abstr.) **(Ger)**

[Long–term results of Nd–YAG laser iridotomy and indications deriving from it] Büchner M, et al. **Klin Monatsbl Augenheilkd** 1986 Jun;188(6):565–7 (Eng. Abstr.) **(Ger)**

[Direct optic nerve and retinal injury caused by retrobulbar injections] Meythaler FH, et al. **Klin Monatsbl Augenheilkd** 1987 Mar;190(3):201–4 (Eng. Abstr.) **(Ger)**

[YAG laser iris hole at 6 o'clock in the periphery in the treatment or prevention of closed angle glaucoma and plateau iris and in pupillary block (posterior iris surface–blocking mechanism)] Payer H. **Klin Monatsbl Augenheilkd** 1986 Nov;189(5):404–6 (Eng. Abstr.) **(Ger)**

[Is YAG laser iridotomy suitable for the prevention of glaucoma attacks?] Schrems W, et al. **Klin Monatsbl Augenheilkd** 1986 Nov;189(5):402–3 (Eng. Abstr.) **(Ger)**

[The effects of prostaglandin E2 and substance P on photocoagulation of the rabbit iris] Katayama T, et al. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1611–6 (Eng. Abstr.) **(Jpn)**

[Artificial lens implant with cerclage of the pupil] Radian AB. **Rev Chir [Oftalmol]** 1986 Oct–Dec;30(4):279–81 (Eng. Abstr.) **(Rum)**

[Experimental basis for the use of auto–conjunctiva in iridoplasty] Surkova VK, et al. **Oftalmol Zh** 1987;(2):113–5 (Eng. Abstr.) **(Rus)**

[Single–pulse laser iridectomy in the treatment of postoperative pupil block] Il'ina TS, et al. **Vestn Oftalmol** 1986 Nov–Dec;102(6):11–3 (Eng. Abstr.) **(Rus)**

[Iridoplasty in cataract extraction in primary glaucoma patients] Kvasova MD, et al. **Vestn Oftalmol** 1987 May–Jun;103(3):14–6 (Eng. Abstr.) **(Rus)**

[Iridectomy of eyes with laser–resistant irises] Shurkin VI. **Vestn Oftalmol** 1986 Sep–Oct;102(5):15–7 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

[Experimental intracorneal implantation of the iris] Kecik T, et al. **Klin Oczna** 1986 Jul;88(7):245–6 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

[Ultrastructure of the iris in stationary traumatic cataracts] Zhuravlev VS, et al. **Vestn Oftalmol** 1986 Jul–Aug; 102(4):57–61 (Eng. Abstr.) **(Rus)**

IRIS DISEASES

COMPLICATIONS

[Importance of the Krupin–Denver valve in irido–endothelial syndromes] Boudet C, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1247–52 **(Fre)**

CONGENITAL

Congenital iris cysts. Grutzmacher RD, et al. **Br J Ophthalmol** 1987 Mar;71(3):227–34

Bilaterally symmetrical isolated corectopia: a case report. Gangadharan M, et al. **Jpn J Ophthalmol** 1986;30(3):266–8

DIAGNOSIS

Sarcoid granuloma simulating amelanotic melanoma of the iris. Cohen SB, et al. **Ann Ophthalmol** 1986 Dec; 18(12):343–5

Ophthalmic manifestations of neurofibromatosis. Huson S, et al. **Br J Ophthalmol** 1987 Mar;71(3):235–8

Iris hamartomata as diagnostic criterion in neurofibromatosis. Flüeler U, et al. **Neuropediatrics** 1986 Nov;17(4):183–5

Pseudomelanoma of the iris in herpes simplex keratoiritis. Gupta K, et al. **Ophthalmology** 1986 Dec;93(12):1524–7

[The clinical approach to anisocoria. An update] Safran AB. **Bull Mem Soc Fr Ophtalmol** 1986;97:338–42 **(Fre)**

[Leiomyoma of the iris (apropos of 3 cases)] Hochart G, et al. **Bull Soc Ophtalmol Fr** 1986 Feb;86(2):161–2 (Eng. Abstr.) **(Fre)**

[Various localizations of adenomas of the eyeball: iris, ciliary body, retina] Turut P, et al. **Bull Soc Ophtalmol Fr** 1986 Feb;86(2):163–6, 171 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

[Diseases of the iris and choroid] Völker B. **Med Monatsschr Pharm** 1986 Oct;9(10):290–2 **(Ger)**

ETIOLOGY

Management of fibrin pupillary–block glaucoma after pars plana vitrectomy with intravitreal gas injection. Lewis H, et al. **Am J Ophthalmol** 1987 Feb 15;103(2):180–2

Pupillary block with posterior chamber intraocular lenses. Samples JR, et al. **Arch Ophthalmol** 1987 Mar;105(3):335–7

Pathogenesis of pupillary capture after posterior chamber intraocular lens implantation. Lavin M, et al. **Br J Ophthalmol** 1986 Dec;70(12):886–9

Posterior synechiae after glaucoma operations: aggravation by shallow anterior chamber and pilocarpine. Phillips CI, et al. **Br J Ophthalmol** 1987 Jun;71(6):428–32

Ocular and orbital metastasis of cutaneous melanomas. Oosterhuis JA, et al. **Int Ophthalmol** 1987 Jun;10(3):175–84

Peripheral anterior synechiae [letter] Murphy GE. **Ophthalmic Surg** 1987 Jul;18(7):549–50

[Late hypertension as a result of pigment dispersion after artificial lens implantation] Baikoff G, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:378–81 **(Fre)**

[Septic metastasis of the iris. Apropos of a case] Girard D, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep;86(8–9):953–6 (Eng. Abstr.) **(Fre)**

[Tumor pseudohypopyon disclosing malignant histiocytosis] Lepori JC, et al. **Bull Soc Ophtalmol Fr** 1986 Mar; 86(3):363–5 (Eng. Abstr.) **(Fre)**

[Iris metastasis from cancer of the esophagus] Segal A, et al. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):137–9 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Are Lisch nodules an ocular marker of the neurofibromatosis gene in otherwise unaffected family members? Toonstra J, et al. **Dermatologica** 1987;174(5):232–5

Familial iridoplegia. Hersh JH, et al. **J Pediatr Ophthalmol Strabismus** 1987 Jan–Feb;24(1):49–50

A family with iridoschisis, narrow anterior chamber angle, and presenile cataract. Mansour AM. **Ophthalmic Paediatr Genet** 1986 Dec;7(3):145–9

PATHOLOGY

Radiation retinopathy as an experimental model for ischemic proliferative retinopathy and rubeosis iridis. Irvine AR, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):790–7

Bilateral melanosis of the iris. Traboulsi EI, et al. **Am J Ophthalmol** 1987 Jan 15;103(1):115–6

Iris manifestations of bacterial endocarditis. Chalmers BE, et al. **Arch Ophthalmol** 1986 Oct;104(10):1548–9

Leiomyoepithelioma of iris pigment epithelium. Li ZY, et al. **Arch Ophthalmol** 1987 Jun;105(6):819–24

Stages in the microscopic diagnosis of iris epithelium adenoma ("benign epithelioma").Simu G, et al. **Morphol Embryol (Bucur)** 1987 Apr–Jun;33(2):137–9

[Acute iridoatrophying mydriasis. Status of the matter at the present time] Urrets–Zavalia A. **Bull Mem Soc Fr Ophtalmol** 1986;97:166–8 **(Fre)**

[Results of specular microscopy in 5 cases of the iridocorneal endothelial syndrome] Harada T, et al. **J Fr Ophtalmol** 1986;9(4):311–5 (Eng. Abstr.) **(Fre)**

[A new iridocorneal endothelial syndrome] Slezak H, et al. **Klin Monatsbl Augenheilkd** 1987 Jun;190(6):514–6 (Eng. Abstr.) **(Ger)**

[Malignant pigmentary epithelioma (adenoma)] Philips R, et al. **Klin Oczna** 1986 Jul;88(7):253–4 (Eng. Abstr.) **(Pol)**

[Fuchs's heterochromia iridis] Cernea P, et al. **Rev Chir [Oftalmol]** 1987 Apr–Jun;31(2):149–54 **(Rum)**

[Morphologic and biologic features of neoplasms of the melanogenous system of the iris] Vit VV. **Oftalmol Zh** 1987; (3):191–2 **(Rus)**

RADIOTHERAPY

[Radiotherapy in juvenile xanthogranuloma of the iris] Müller RP, et al. **Klin Monatsbl Augenheilkd** 1986 Jul;189(1):15–8 (Eng. Abstr.) **(Ger)**

SURGERY

Treatment of iris melanoma by photocoagulation: a case report. Cleasby GW, et al. **Ophthalmic Surg** 1987 Jan; 18(1):42–4

Neodymium: YAG laser treatment of persistent pupillary membrane. Vega LF, et al. **Ophthalmic Surg** 1987 Jun; 18(6):452–4

[Limitations of iris photocoagulation with argon laser in various indications] Malthieu D, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1287–8, 1293–4 **(Fre)**

[Cryocoagulation of a prolapsed iris in hypertensive uveitis] Strasser G, et al. **Klin Monatsbl Augenheilkd** 1987 Mar; 190(3):199–200 (Eng. Abstr.) **(Ger)**

[Single–pulse laser iridectomy in the treatment of postoperative pupil block] Il'ina TS, et al. **Vestn Oftalmol** 1986 Nov–Dec;102(6):11–3 (Eng. Abstr.) **(Rus)**

THERAPY

Management of complete iridocorneal apposition after

vitrectomy. Han DP, et al. **Am J Ophthalmol** 1987 Jan 15;103(1):108–9

VETERINARY

Bilateral melanoma of the iris in a horse. Matthews AG, et al. **Equine Vet J** 1987 Jul;19(4):358–60

Leiomyoma of the iris in a Sprague–Dawley rat. Owen RA, et al. **J Comp Pathol** 1987 Mar;97(2):227–9

IRITIS

CHEMICALLY INDUCED

Intraocular inflammation from accidental instillation of doxorubicin [letter] Wertenbaker C. **Cancer Treat Rep** 1987 Feb;71(2):221–2

[Acute granulomatous interstitial nephritis with iritis. Possible induction by non–steroidal antiphlogistics] Koeppen–Hagemann I, et al. **Dtsch Med Wochenschr** 1987 Feb 13;112(7):259–61 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

[Iritis and optic nerve meningitis—initial symptoms of latent syphilis] Barthelmess–Mösler S, et al. **Klin Monatsbl Augenheilkd** 1987 Mar;190(3):196–8 (Eng. Abstr.) **(Ger)**

[Fluorescein angiography in iritis] Bryk E. **Klin Oczna** 1986 Dec;88(12):428–30 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Efficacy of medrysone as anti–inflammatory agent. Rastogi RK, et al. **Indian J Ophthalmol** 1985 Sep–Oct;33(5):295–7

Ocular penetration and efficacy of chloroethyldeoxyuridine against herpetic keratouveitis. Maudgal PC, et al. **Invest Ophthalmol Vis Sci** 1986 Oct;27(10):1453–8

ETIOLOGY

Pseudomelanoma of the iris in herpes simplex keratoiritis. Gupta K, et al. **Ophthalmology** 1986 Dec;93(12):1524–7

SURGERY

Laser photocoagulation in the acute retinal necrosis syndrome. Han DP, et al. **Arch Ophthalmol** 1987 Aug; 105(8):1051–4

IRON

see related
FERRITIN
HEMOSIDERIN
TRANSFERRIN

Respirable dust control in grinding gray iron castings. O'Brien D, et al. **Am Ind Hyg Assoc J** 1987 Feb;48(2):181–7

Radical driven Fenton reactions—evidence from paraquat radical studies for production of tetravalent iron in the presence and absence of ethylenediaminetetraacetic acid. Sutton HC, et al. **Arch Biochem Biophys** 1987 Aug 1; 256(2):462–71

Fine anionic iron colloid and its use in light and electron microscopic detection of cationic sites in the rat kidney. Ohtsuka A, et al. **Arch Histol Jpn** 1986 Dec;49(5):543–52

Polycyclic aromatic hydrocarbons cause hepatic porphyria in iron–loaded C57BL/10 mice: comparison of uroporphyrinogen decarboxylase inhibition with induction of alkoxyphenoxazone dealkylations. Francis JE, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):13–20

Targeted cleavage of polynucleotides by complementary oligonucleotides covalently linked to iron–porphyrins. Le Doan T, et al. **Biochemistry** 1986 Nov 4;25(22):6736–9

Subunit iron spin heterogeneity in human aquomethemoglobin A. Okonjo KO, et al. **Biochim Biophys Acta** 1986 Sep 26;873(2):304–7

Biosynthesis of D–glucaric acid in mammals: a free–radical mechanism? Marsh CA. **Carbohydr Res** 1986 Sep 15; 153(1):119–31

Oxygenation of biphenyl by the reagent system Fe(MeCN)6(2+)–H2O2–Ac2O: an implication to the mechanism in mammalian metabolism. Kotani E, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):916–9

Heavy metal pollution of the mid–canal of Kandy: an environmental case study from Sri Lanka. Dissanayake CB, et al. **Environ Res** 1987 Feb;42(1):24–35

A longitudinal study of symptoms and respiratory function tests in iron miners. Pham QT, et al. **Eur J Respir Dis** 1986 Nov;69(5):346–54

The primary structure of iron superoxide dismutase from Escherichia coli. Schininà ME, et al. **FEBS Lett** 1987 Aug 31;221(1):87–90

A study of neutron leakage through an Fe shield at an accelerator. Elwyn AJ, et al. **Health Phys** 1986 Dec; 51(6):723–35

Ultrastructural cytochemistry of oxytalan fibres in monkey periodontal ligaments with the high iron diamine method. Takagi M, et al. **Histochem J** 1987 Feb;19(2):75–84

Preparation and characterization of magnetic hen egg white beads containing coimmobilized glucose oxidase, magnetite and MnO2. Kubal BS, et al. **Indian J Biochem Biophys** 1986 Aug;23(4):240–1

Silicosis in the iron–ore mine in Kiruna, Sweden, and the future need for silicosis control. Jörgensen HS. **Int Arch Occup Environ Health** 1986;58(4):251–7

Preparation of [99mTc(DMPE)2Cl2]+ for myocardial imaging by using Fe–(DMPE) complexes. Berger R, et al. **Int J Rad Appl Instrum [A]** 1986;37(3):197–200

Studies of the reactivity of trolox with Mn3+/Fe3+ complexes by pulse radiolysis. Cabelli DE, et al. **J Free Radic Biol Med** 1986;2(1):71–5

Citrate binding of Al3+ and Fe3+. Martin RB. **J Inorg Biochem** 1986 Oct–Nov;28(2–3):181–7

Measurement of iron bioavailability using the hemoglobin regeneration–anemic rat assay [letter] Hazell T. **J Nutr** 1987 Jan;117(1):223–4

Dietary iron supply in meningococcal disease patients and controls. Solvoll K, et al. **NIPH Ann** 1986 Dec;9(2):43–50

Local Fe site structure in the tense–to–relaxed transition in carp deoxyhemoglobin: a XANES (x–ray absorption near edge structure) study. Bianconi A, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7736–40

Iron and immunity. Brock JH, et al. **Proc Nutr Soc** 1986 Sep;45(3):305–15

Vitamin, selenium, zinc and copper interactions in free radical protection against ill–placed iron. Willson RL. **Proc Nutr Soc** 1987 Feb;46(1):27–34

Some complexes of cobalt(III) and iron(III) are radiosensitizers of hypoxic EMT6 cells. Teicher BA, et al. **Radiat Res** 1987 Jan;109(1):36–46

Hazards of ferrous materials in MRI: a case report. Malott JC. **Radiol Technol** 1987 Jan–Feb;58(3):233–5

Reactions of theophylline, theobromine and caffeine with Fenton's reagent—simulation of hepatic metabolism. Zbaida S, et al. **Xenobiotica** 1987 May;17(5):617–21

[Therapeutical procedures for iron foreign bodies in the orbit] Gerkowicz K, et al. **Klin Oczna** 1987 Jan;89(1):19–21 (Eng. Abstr.) **(Pol)**

[Experimental study of the effect of dust formed during the secondary reprocessing of ferrous metals] Mikhailovskaia TN, et al. **Gig Tr Prof Zabol** 1986 Nov;(11):40–2 (Eng. Abstr.) **(Rus)**

[Morbidity with temporary loss of work capacity among iron ore miners using trinitrotoluene–based explosives] Vysochin VI, et al. **Gig Tr Prof Zabol** 1986 Aug;(8):46–7 **(Rus)**

ADMINISTRATION & DOSAGE

Iron balances in infant nutrition. Schulz–Lell G, et al. **Acta Paediatr Scand** 1987 Jul;76(4):585–91

Recommended dietary intakes (RDI) of iron in humans. Herbert V. **Am J Clin Nutr** 1987 Apr;45(4):679–86

Curry powder as a vehicle for iron fortification: effects on iron absorption. Lamparelli RD, et al. **Am J Clin Nutr** 1987 Aug;46(2):335–40

Determination of iron in stools as a method to monitor consumption of iron–fortified products in infants. Pizarro F, et al. **Am J Clin Nutr** 1987 Feb;45(2):484–7

Ferritin synthesis by monocyte–derived macrophages in thalassemic patients with intrinsic iron overload. Saab GA, et al. **Eur J Haematol** 1987 Feb;38(2):105–10

Hemochromatosis: gene frequency and Fe feeding [letter] Needles CF. **Hosp Pract [Off]** 1987 May 15;22(5):25

Diets of Asian pregnant women in Harrow: iron and vitamins. Abraham R, et al. **Hum Nutr Appl Nutr** 1987 Jun; 41(3):164–73

Adult dietary characteristics affecting iron intake: a comparison based on iron density. Farley MA, et al. **J Am Diet Assoc** 1987 Feb;87(2):184–9

Bifidobacterium, Bacteroides, and Clostridium spp. in fecal samples from breast–fed and bottle–fed infants with and without iron supplement. Mevissen–Verhage EA, et al. **J Clin Microbiol** 1987 Feb;25(2):285–9

Iron, a new aid in the treatment of Parkinson patients. Birkmayer W, et al. **J Neural Transm** 1986;67(3–4):287–92

Protection of maternal iron stores in pregnancy. Dawson EB, et al. **J Reprod Med** 1987 Jun;32(6 Suppl):478–87

Protection of maternal iron stores in pregnancy. Panel discussion. McGanity WJ, et al. **J Reprod Med** 1987 Jun; 32(6 Suppl):488–96

Protection of maternal iron stores in pregnancy. McGanity WJ. **J Reprod Med** 1987 Jun;32(6 Suppl):475–7

Regulation of erythropoiesis in suckling rabbits with and without postnatal anemia: partial suppression of production/release of erythropoiesis stimulating factor(s) by iron supplements. Holter H, et al. **Pediatr Res** 1987 Jan; 21(1):1–4

Key issues in nutrition. Supplementation through adulthood and old age. Fahey PJ, et al. **Postgrad Med** 1987 May 1; 81(6):123–5, 128

Enhanced teratogenicity of orally administered lead in hamsters fed diets deficient in calcium or iron. Carpenter SJ. **Toxicology** 1982;24(3–4):259–71

Carbonyl iron for short–term supplementation in female blood donors. Gordeuk VR, et al. **Transfusion** 1987 Jan–Feb;27(1):80–5

[Nutritional iron status of infants fed according to current recommendations] Pietschnig B, et al. **Klin Padiatr** 1986 Nov–Dec;198(6):484–8 (Eng. Abstr.) **(Ger)**

[Effect of vitamins and iron on performance and recovery in humans and in sports anemia] Keul J, et al. **Z Ernahrungswiss** 1987 Mar;26(1):21–42 (Eng. Abstr.) **(Ger)**

[Effect of the administration of large doses of iron on the morphologic picture of various internal organs of piglets] Katkiewicz M, et al. **Pol Arch Weter** 1986;25(4):75–84 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Are iron–folate supplements harmful? Simmer K, et al. **Am J Clin Nutr** 1987 Jan;45(1):122–5

Iron overload: causes and consequences. Gordeuk VR, et al. **Annu Rev Nutr** 1987;7:485–508 (116 ref.)

The role of iron overload in Yersinia enterocolitica and Yersinia pseudotuberculosis bacteremia in hemodialysis patients. Boelaert JR, et al. **J Infect Dis** 1987 Aug; 156(2):384–7

Yersinia hepatic abscesses subsequent to long–term iron therapy. Leighton PM, et al. **JAMA** 1987 Feb 20; 257(7):964–5

Effects of molybdenum or iron induced copper deficiency on the viability and function of neutrophils from cattle. Boyne R, et al. **Res Vet Sci** 1986 Nov;41(3):417–9

Toxicity from aluminum and iron: recognition, treatment, and prevention. Proceedings of a symposium. April 10, 1986, New Orleans. **Semin Nephrol** 1986 Dec;6(4 Suppl 1):1–41

Management of iron overload in dialysis patients. Winchester JF. **Semin Nephrol** 1986 Dec;6(4 Suppl 1):22–6 (39 ref.)

Iron supplementation increases prevalence and effects of malaria: report on clinical studies in Papua New Guinea. Oppenheimer SJ, et al. **Trans R Soc Trop Med Hyg** 1986; 80(4):603–12

Loss of myocardial viability following hypothermic perfusion storage from contaminating trace elements in the perfusate. Wicomb WN, et al. **Transplantation** 1987 Jan;43(1):23–9

[Effect of iron preparations on the development of hyperbilirubinemia in newborn infants] Grzechocińska B, et al. **Ginekol Pol** 1986 Sep;57(9):596–9 (Eng. Abstr.) **(Pol)**

ANALYSIS

Study of movement disorders and brain iron by MR. Rutledge JN, et al. **AJR** 1987 Aug;149(2):365–79

Size distribution of airborne dust in Labrador iron mines. Knight G, et al. **Am Ind Hyg Assoc J** 1987 Feb;48(2):150–4

Stainable iron in gastric and duodenal mucosa of primary hemochromatosis patients and alcoholics. Conte D, et al. **Am J Gastroenterol** 1987 Mar;82(3):237–40

A micromethod for the determination of iron and total iron–binding capacity in intraocular fluids and plasma using electrothermal atomic absorption spectroscopy. McGahan MC, et al. **Anal Biochem** 1986 Aug 1;156(2):397–402

Effects of gallium chloride oral administration on transplanted C3HBA mammary adenocarcinoma: Ga, Mg, Ca and Fe concentration and anatomopathological characteristics. Collery P, et al. **Anticancer Res** 1986 Sep–Oct;6(5):1085–7

Uniformity of liver density and nonheme (storage) iron distribution. Overmoyer BA, et al. **Arch Pathol Lab Med** 1987 Jun;111(6):549–54

Morphological demonstration of non–heme iron and iron–binding proteins in placentas from cases of congenital nephrotic syndrome of Finnish type. Barresi G, et al. **Basic Appl Histochem** 1987;31(2):199–206

Analysis of the Cu, Fe_n and Zn contents in cytochrome C oxidases from different species and tissues by proton–induced X–ray emission (PIXE). Bombelka E, et al. **Biochem Biophys Res Commun** 1986 Nov 14; 140(3):1007–14

Low–spin sulfite reductases: a new homologous group of non–heme iron–siroheme proteins in anaerobic bacteria. Moura I, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1032–41

Seasonal variation in the form of iron in the liver of Spitsbergen reindeer: a Mössbauer spectroscopic study. Dickson DP, et al. **Biochim Biophys Acta** 1987 Jun 22; 924(3):442–6

A Mössbauer spectroscopic study of the form of iron in iron overload. St. Pierre TG, et al. **Biochim Biophys Acta** 1987 Jun 22;924(3):447–51

In vitro estimation of iron availability from a range of plant foods: influence of phytate, ascorbate and citrate. Hazell T, et al. **Br J Nutr** 1987 Mar;57(2):223–33

Dialysis arthropathy: amyloid or iron? Cary NR, et al. **Br Med J [Clin Res]** 1986 Nov 29;293(6559):1392–4

TCDD, dietary iron and hepatic iron distribution in female rats. Al–Bayati ZA, et al. **Bull Environ Contam Toxicol** 1987 Feb;38(2):300–7

The iron content of finger–nails in iron deficient patients. Djaldetti M, et al. **Clin Sci** 1987 Jun;72(6):669–72

Iron binding to nutrients containing fiber and phenytoin. Garzón P, et al. **Gen Pharmacol** 1986;17(6):661–4

Determination of iron to phosphorus ratios of iron storage compounds in patients with iron overload: a chemical and electron probe X–ray microanalysis. Cleton MI, et al. **Hepatology** 1986 Sep–Oct;6(5):848–51

Iron, copper, and zinc concentrations in normal skin and in various nonmalignant and malignant lesions. Gorodetsky R, et al. **Int J Dermatol** 1986 Sep;25(7):440–5

Iron density and food intake [letter] Farkas CS. **J Am Diet Assoc** 1987 Aug;87(8):1102–3

A modified ferrozine method for the measurement of enzyme–bound iron. Davis MD, et al. **J Biochem Biophys Methods** 1986 Aug;13(1):39–45

Purification and characterization of carbon monoxide dehydrogenase, a nickel, zinc, iron–sulfur protein, from

Rhodospirillum rubrum. Bonam D, et al. **J Biol Chem** 1987 Mar 5;262(7):2980–7

Isolation and characterization of a second nitrogenase Fe–protein from Azotobacter vinelandii [published erratum appears in J Biol Chem 1987 Mar 15;262(8):3927] Hales BJ, et al. **J Biol Chem** 1986 Nov 15;261(32):15301–6

Iron–containing cells in the honey–bee (Apis mellifera). I. Adult morphology and physiology. Kuterbach DA, et al. **J Exp Biol** 1986 Nov;126:375–87

Iron–containing cells in the honey–bee (Apis mellifera). II. accumulation during development. Kuterbach DA, et al. **J Exp Biol** 1986 Nov;126:389–401

Bioavailability of supplemental iron in commercially prepared dry infant cereals. Fomon SJ. **J Pediatr** 1987 Apr; 110(4):660–1

In vivo determination of body iron stores by natural–abundance deuterium magnetic resonance spectroscopy. Irving MG, et al. **Magn Reson Med** 1987 Jan;4(1):88–92

Examination of the iron, copper and zinc contents in the daily menu of teen–agers. Nagy L. **Nahrung** 1987;31(1):3–10

Histochemistry of colloidal iron stained crystal associated material in urinary stones and experimentally induced intrarenal deposits in rats. Khan SR, et al. **Scan Electron Microsc** 1986;(Pt 2):761–5

Atmospheric pollution in the Venice area. II. Iron, manganese, lead, vanadium and cadmium in suspended particulate. Bertolaccini MA, et al. **Sci Total Environ** 1986 Dec 1;57:7–17

Laser microprobe mass analysis (LAMMA) to verify the aluminon staining of bone. Verbueken AH, et al. **Stain Technol** 1986 Sep;61(5):287–95

[Effect of reserpine on the lactose, iron and lactoferrin content of the milk of lactating rabbits] Mutafchiev D. **Eksp Med Morfol** 1987;26(2):35–9 (Eng. Abstr.) **(Bul)**

[Fe, Cu and Zn content of 3 sections of the brain, the myocardium, musculus gracilis, liver, kidneys, lungs and spleen of calves and young cattle] Schmidt A, et al. **Arch Exp Veterinarmed** 1987 Mar;41(2):222–30 (Eng. Abstr.) **(Ger)**

[Salicylhydroxamic acid and its compounds as a chelatometric indicator for the determination of iron in drugs] Horňáčková M, et al. **Pharmazie** 1986 Aug; 41(8):599–600 **(Ger)**

[Distribution of cytoplasmic ferroproteins and iron in human kidney tumors] Prokopenko PG, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):221–4 (Eng. Abstr.) **(Rus)**

[Manganese, copper, iron and molybdenum in the early secretion of human colostrum] Vega–Franco L, et al. **Bol Med Hosp Infant Mex** 1987 Feb;44(2):86–91 (Eng. Abstr.) **(Spa)**

BLOOD

Hematologic and iron–related measurements in rheumatoid arthritis. Baynes RD, et al. **Am J Clin Pathol** 1987 Feb; 87(2):196–200

Noninvasive assessment of tissue iron stores. Charache S, et al. **Am J Clin Pathol** 1987 Sep;88(3):333–7

Use of capillary blood for the evaluation of iron status. Lu Y, et al. **Am J Hematol** 1987 Apr;24(4):365–74

Iron status of beta thalassemia carriers. Mehta BC, et al. **Am J Hematol** 1987 Feb;24(2):137–41

Hemochromatosis heterozygotes may have significant iron overload when they also have hereditary spherocytosis. Mohler DN, et al. **Am J Med Sci** 1986 Nov;292(5):320–4

Increased levels of carboxyhemoglobin and serum iron as an indicator of increased red cell turnover in preeclampsia. Entman SS, et al. **Am J Obstet Gynecol** 1987 May; 156(5):1169–73

The origin of increased serum iron in pregnancy–induced hypertension. Samuels P, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):721–5

Interleukin 1–induced depression of iron and zinc: role of granulocytes and lactoferrin. Goldblum SE, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):E27–32

Antimicrobial alternatives for calf diarrhea: sera trace element responses to Escherichia coli–, deferoxamine–, or gallium–induced diarrhea. Fettman MJ, et al. **Am J Vet Res** 1987 Apr;48(4):703–11

Relationship between rabbit transferrin electrophoretic patterns and plasma iron concentrations. Zaragoza P, et al. **Anim Genet** 1987;18(1):51–62

Diagnostic methods for iron status. Cavill I, et al. **Ann Clin Biochem** 1986 Mar;23 (Pt 2):168–71

Ankylosing spondylitis: a chronic inflammatory disease with iron overload in granulocytes and platelets. Feltelius N, et al. **Ann Rheum Dis** 1986 Oct;45(10):827–31

The membrane effect of 1–anilino–8–naphthalene sulfonate on transferrin and iron uptake by rabbit reticulocytes. Chan RY, et al. **Biochem Int** 1986 Sep;13(3):409–15

Coated pit formation: a membrane function involved in the regulation of cellular iron uptake. Egyed A, et al. **Br J Haematol** 1986 Oct;64(2):263–9

Non–transferrin plasma iron [editorial] Hershko C, et al. **Br J Haematol** 1987 Jun;66(2):149–51

Erythrokinetics and iron status in heterozygous beta thalassaemia, and the effect of interaction with alpha thalassaemia. Pippard MJ, et al. **Br J Haematol** 1987 May; 66(1):123–7

Serum iron: a tumour marker in renal carcinoma. Loughlin KR, et al. **Br J Urol** 1986 Dec;58(6):617–20

Changes in serum iron levels following very high–dose cisplatin. Pollera CF, et al. **Cancer Chemother Pharmacol** 1987;19(3):257–60

Effect of supplementation on iron status of geriatric subjects. Atukorala TM, et al. **Ceylon Med J** 1986 Mar;31(1):15–20

Plasma iron and transferrin iron–binding capacity evaluated by colorimetric and immunoprecipitation methods. Huebers HA, et al. **Clin Chem** 1987 Feb;33(2 Pt 1):273–7

Transferrin binding of Al3+ and Fe3+. Martin RB, et al. **Clin Chem** 1987 Mar;33(3):405–7

Interpreting results of coulometry and immunoprecipitation in diagnosing iron disorders. Rettmer RL, et al. **Clin Chem** 1987 Jul;33(7):1215–6

A commercial electrochemical method evaluated for measurement of iron status. Skikne BS. **Clin Chem** 1987 Sep;33(9):1645–7

Serum iron, serum ferritin and tissue ferritin during development in ducks. Diez JM, et al. **Comp Biochem Physiol [A]** 1987;86(2):389–93

Chronobiology of serum iron concentration in subjects of different ages at different geographic locations. Nicolau GY, et al. **Endocrinologie** 1987 Apr–Jun;25(2):63–82

Association of erythrocyte protoporphyrin with blood lead level and iron status in the second National Health and Nutrition Examination Survey, 1976–1980. Mahaffey KR, et al. **Environ Res** 1986 Oct;41(1):327–38

Transferrin receptors and transferrin iron uptake by cultured human blood monocytes. Baynes R, et al. **Eur J Cell Biol** 1987 Jun;43(3):372–6

Iron metabolism and placental transfer of iron in the term rhesus monkey (Macaca mulatta): a compartmental analysis. van Dijk JP. **Eur J Obstet Gynecol Reprod Biol** 1977;7(3):127–39

Effect of different treatments of the endotoxin–induced modifications in serum iron levels. Cremades A, et al. **Gen Pharmacol** 1986;17(5):573–6

Relationship between maternal and infant iron stores: 1. Full term infants. Német K, et al. **Haematologia (Budap)** 1986; 19(3):197–205

Effect of consumption of iron–fortified salt on iron status in young girls. Jain M, et al. **Hum Nutr Appl Nutr** 1987 Jun;41(3):174–9

Nontransferrin–bound serum iron in thalassemia and sickle cell patients. Ahmed NK, et al. **Int J Biochem** 1986; 18(10):953–6

Anemia in swimmers: fact or fiction? Study of hematologic and iron status in male and female top–level swimmers. Pelliccia A, et al. **Int J Sports Med** 1987 Jun;8(3):227–30

Dietary determinants of the iron status in menstruating women. Soustre Y, et al. **Int J Vitam Nutr Res** 1986; 56(3):281–6

Iron, folate, vitamin B–12, zinc, and copper status in outpatients with Crohn's disease: effect of diet counseling. Imes S, et al. **J Am Diet Assoc** 1987 Jul;87(7):928–30

Food stamps and the iron status of the U.S. elderly poor. Lopez LM, et al. **J Am Diet Assoc** 1987 May;87(5):598–603

Hematologic, iron–related, and acute–phase protein responses to sustained strenuous exercise. Taylor C, et al. **J Appl Physiol** 1987 Feb;62(2):464–9

The determination of Al, Cr, Co, Fe, and Ni in whole blood by electrothermal atomic absorption spectrophotometry. Lugowski S, et al. **J Biomed Mater Res** 1987 May; 21(5):657–74

The value of serum iron studies as a test for iron–deficiency anemia in a county hospital. Psaty BM, et al. **J Gen Intern Med** 1987 May–Jun;2(3):160–7

Hyperferremia in immunosuppressed patients with acute nonlymphocytic leukemia and the risk of infection. Gordeuk VR, et al. **J Lab Clin Med** 1986 Nov; 108(5):466–72

A study on the mechanism of the postoperative fall in serum iron concentration. Paterson IM. **J Surg Res** 1986 Dec; 41(6):587–92

Low serum iron status and akathisia. Brown KW, et al. **Lancet** 1987 May 30;1(8544):1234–6

Microelements in the circulation of coccidiosis–infected chicks. Turk DE. **Poult Sci** 1986 Nov;65(11):2098–103

Presence of acute phase changes in zinc, iron, and copper metabolism in turkey embryos. Klasing KC, et al. **Proc Soc Exp Biol Med** 1987 Jan;184(1):7–13

Determination of iron and iron–binding capacity in serum without blank sample. Brivio G, et al. **Ric Clin Lab** 1986 Oct–Dec;16(4):523–32

The non–immune inflammatory response: serial changes in plasma iron, iron–binding capacity, lactoferrin, ferritin and C–reactive protein. Baynes R, et al. **Scand J Clin Lab Invest** 1986 Nov;46(7):695–704

Iron and folate metabolism in renal failure. Hutchins L, et al. **Semin Nephrol** 1985 Jun;5(2):142–6

Iron status and the effect of iron supplementation in Thai male blood donors in northern Thailand. Linpisarn S, et al. **Southeast Asian J Trop Med Public Health** 1986 Jun; 17(2):177–83

Evaluation of iron status in women identified by copper sulfate screening as ineligible to donate blood. Morse EE, et al. **Transfusion** 1987 May–Jun;27(3):238–41

Inflammation–induced changes in serum iron analytes and ceruloplasmin of Shetland ponies. Smith JE, et al. **Vet Pathol** 1987 Jul;24(4):354–6

[Capacity of iron fixation by the serum or immunochemical determination of transferrin?] Dézier JF. **Ann Biol Clin (Paris)** 1986;44(6):583–5 **(Fre)**

[A manual method for the direct determination of serum iron using a new chromogen: chromazurol B] Paris M, et al. **Ann Biol Clin (Paris)** 1986;44(5):511–6 (Eng. Abstr.) **(Fre)**

[Attempt to adapt measurement of serum iron levels to the Centrifichem with a direct method using bathophenanthroline sulfonate–guanidine. Value and limits] Plomteux G, et al. **Ann Biol Clin (Paris)** 1987;45(1):52–6 (Eng. Abstr.) **(Fre)**

[The hemoglobin content and hematocrit value of the blood and levels of Fe, Fe–binding capacity and copper in the blood plasma of sows and piglets upon supplementary feeding of FeSO4 to lactating sows] Kolb E, et al. **Arch Exp Veterinarmed** 1987 Jan;41(1):28–36 (Eng. Abstr.) **(Ger)**

[Changed intraluminal conditions in hemochromatosis] Mucke W, et al. **Z Gesamte Inn Med** 1986 Aug 15; 41(16):441–6 (Eng. Abstr.) **(Ger)**

[Humoral markers of iron status in patients on maintenance hemodialysis] Valenti M, et al. **Minerva Med** 1986 Sep 22; 77(36):1605–10 (Eng. Abstr.) **(Ita)**

[Diet and iron balance. Epidemiological research in the second trimester of life] Oggero R, et al. **Minerva Pediatr** 1987 Feb 28;39(3–4):91–4 (Eng. Abstr.) **(Ita)**

[Iron and copper in blood serum of patients chronically exposed to the effects of toluene] Cieślińska A, et al. **Pol Tyg Lek** 1969 Dec 1;24(48):1848–50 (Eng. Abstr.) **(Pol)**

[Plasma indicators of iron metabolism in persons occupationally exposed to organic solvents with normal and increased levels of protoporphyrin IX in erythrocytes] Stankiewicz A, et al. **Pol Tyg Lek** 1986 Jul 7;41(27):851–4 (Eng. Abstr.) **(Pol)**

[Iron and transferrin metabolism in physiologic pregnancy and pregnancy complicated by anemia] Dzhabbarova IuK, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):13–5 **(Rus)**

[Effect of physico–chemical factors and species specificity on the structure of dinitrosyl iron complexes] Mordvintsev PI, et al. **Biofizika** 1986 Sep–Oct;31(5):877–81 (Eng. Abstr.) **(Rus)**

[Effect of blood transfusions on the indices of immunity and iron metabolism in patients with different forms of thalassemia] Ragimov AA, et al. **Gematol Transfuziol** 1986 Nov;31(11):14–8 (Eng. Abstr.) **(Rus)**

[Determination of blood serum iron and its diagnostic significance] Chevari S, et al. **Lab Delo** 1987;(4):252–5 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation, its relation to levels serum non–heminic iron and circulatory function of the liver in hepatitis B] Diadik VP. **Vrach Delo** 1986 Aug;(8):118–21 (Eng. Abstr.) **(Rus)**

[Role of iron in Yersinia pestis multiplication in normal mammalian blood sera] Kravtsov AN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Mar;(3):12–6 (Eng. Abstr.) **(Rus)**

[Serum and erythrocyte folate in infants: influence of iron nutrition] Olivares M, et al. **Rev Chil Pediatr** 1986 Jul–Aug; 57(4):342–4 (Eng. Abstr.) **(Spa)**

[Evaluation of iron deposits in blood donors by determining serum ferritin using radioimmunoassay] Cordovilla JJ, et al. **Rev Clin Esp** 1987 Jun;181(2):75–8 (Eng. Abstr.) **(Spa)**

[Iron and ferritin in acute myocardial infarcts (letter)] Frade García R, et al. **Rev Esp Cardiol** 1986 Jul–Aug;39(4):324–5 **(Spa)**

DEFICIENCY

Vitamin and iron status in new vegetarians. Helman AD, et al. **Am J Clin Nutr** 1987 Apr;45(4):785–9

Deferoxamine–enhanced fecal losses of aluminum and iron in a patient undergoing continuous ambulatory peritoneal dialysis. McCarthy JT, et al. **Am J Med** 1987 Feb; 82(2):367–70

Alteration of intracellular synthesis of surface membrane glycoproteins in small intestine of iron–deficient rats. Buts JP, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):G737–43

Iron deficiency in cystic fibrosis. Ehrhardt P, et al. **Arch Dis Child** 1987 Feb;62(2):185–7

Screening for haematinic deficiencies in patients with recurrent aphthous stomatitis. Rogers RS 3d, et al. **Australas J Dermatol** 1986 Dec;27(3):98–103

The liabilities of iron deficiency. Cook JD, et al. **Blood** 1986 Oct;68(4):803–9 (57 ref.)

Iron deficiency and neutrophil function: different rates of correction of the depressions in oxidative burst and myeloperoxidase activity after iron treatment. Murakawa H, et al. **Blood** 1987 May;69(5):1464–8

Prevalence of iron deficiency among Chinese children aged 6 to 36 months in Montreal. Chan–Yip A, et al. **Can Med Assoc J** 1987 Feb 15;136(4):373–8

Iron deficiency. Misunderstood, misdiagnosed and mistreated. Arthur CK, et al. **Drugs** 1987 Feb;33(2):171–82

Iron deficiency in ethnic minorities: associations with dietary fibre and phytate. D'Souza SW, et al. **Early Hum Dev** 1987 Mar;15(2):103–11

Effect of severe iron deficiency on T3 generation by rat liver homogenates. Kalk WJ, et al. **Horm Metab Res** 1987 Jul; 19(7):342–3

Relationship between anaemia, iron and folacin deficiency, haemoglobinopathies and parasitic infection. Hercberg S, et al. **Hum Nutr Clin Nutr** 1986 Sep;40(5):371–9

Erythrocyte protoporphyrin and blood lead levels of children from Jammu and Srinagar and papier mache trainees. Kaul PS, et al. **Indian J Pediatr** 1986 Sep–Oct;53(5):641–6

Acute hypoferraemia following fractures. Zdravkovic D. **Injury** 1986 Mar;17(2):75–7

Minimal brain damage induced by early iron deficiency: modified dopaminergic neurotransmission. Youdim MB, et al. **Isr J Med Sci** 1987 Jan–Feb;23(1–2):19–25

Iron deficiency among incarcerated juvenile delinquents [letter] DuRant RH. **J Adolesc Health Care** 1987 Mar; 8(2):225

Iron deficiency in adolescent endurance athletes. Rowland TW, et al. **J Adolesc Health Care** 1987 Jul;8(4):322–6

Effects of iron deficiency and training on mitochondrial enzymes in skeletal muscle. Willis WT, et al. **J Appl Physiol** 1987 Jun;62(6):2442–6

Perturbation of mitochondrial composition in muscle by iron deficiency. Implications regarding regulation of mitochondrial assembly. Cartier LJ, et al. **J Biol Chem** 1986 Oct 15;261(29):13827–32

Postweaning carnitine supplementation of iron–deficient rats. Bartholmey SJ, et al. **J Nutr** 1986 Nov;116(11):2190–200

Impaired ketogenesis in iron–deficient rat pups. Bartholmey SJ, et al. **J Nutr** 1986 Nov;116(11):2180–9

Influence of sucrose and starch on the development of anemia in copper– and iron–deficient rats. Johnson MA, et al. **J Nutr** 1986 Dec;116(12):2443–52

Macrophage function as studied by the clearance of 125I–labeled polyvinylpyrrolidone in iron–deficient and iron–replete mice. Kuvibidila S, et al. **J Nutr** 1987 Jan; 117(1):170–6

Iron deficiency impairs protein synthesis in immune tissues of rat pups. Rosch LM, et al. **J Nutr** 1987 Aug; 117(8):1475–81

Impaired natural killer cell activity in iron–deficient rat pups. Sherman AR, et al. **J Nutr** 1987 Mar;117(3):567–71

Blue sclerae and iron deficiency in general practice [letter] [published erratum appears in Lancet 1987 Mar 28;1(8535):760] Kalra L, et al. **Lancet** 1987 Feb 7; 1(8528):335

Sex, iron, and heart disease [letter] Sullivan JL. **Lancet** 1986 Nov 15;2(8516):1162

Restless legs syndrome [letter] **Neurology** 1987 Aug; 37(8):1436–7

Iron–binding proteins for the diagnosis and therapy of iron deficiency states. Saito H, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Dec;49(8):1660–8

Iron and learning [letter] Birkbeck JA. **NZ Med J** 1986 Dec 10;99(815):963

Iron deficiency and hearing loss. Experimental study in growing rats. Sun AH, et al. **ORL J Otorhinolaryngol Relat Spec** 1987;49(3):118–22

[Latent sideropenia in adolescence] Hamanová J, et al. **Cesk Pediatr** 1987 Jan;42(1):9–14 (Eng. Abstr.) **(Cze)**

[Status of mineral nutrition of children with phenylketonuria treated with a low–phenylalanine diet. I. Iron and copper] Cabalska B, et al. **Pediatr Pol** 1986 Mar;61(3):160–6 (Eng. Abstr.) **(Pol)**

[Iron deficiency in donors] Kaplan MA, et al. **Gematol Transfuziol** 1987 Apr;32(4):50–2 **(Rus)**

[Population genetics research on the parameters of erythropoiesis and iron–deficiency states in the native population of the northern Ob River region] Sukhova ND, et al. **Gematol Transfuziol** 1987 Apr;32(4):18–22 (Eng. Abstr.) **(Rus)**

[Prevention of iron deficiency as a measure for decreasing morbidity in children] Tetiukhina LN, et al. **Pediatriia** 1987; (4):72–3 **(Rus)**

[Iron deficiency in childhood: a public health problem] Bello A. **Bol Med Hosp Infant Mex** 1987 Jun;44(6):307–8 **(Spa)**

[Consumption, food habits and nutritional status of the Reus population: VI. Risk of micronutrient malnutrition] Salas J, et al. **Med Clin (Barc)** 1987 Mar 14;88(10):405–10 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

Magnetite albumin suspension: a superparamagnetic oral MR contrast agent. Widder DJ, et al. **AJR** 1987 Oct; 149(4):839–43

Magnetite albumin microspheres: a new MR contrast material. Widder DJ, et al. **AJR** 1987 Feb;148(2):399–404

Rapid identification of proteins on flat surfaces, using antibody–coated metal oxide suspensions. Vroman L, et al. **J Immunol Methods** 1986 Nov 6;93(2):213–6

Hepatobiliary MR contrast agents: 5–substituted iron–EHPG derivatives. Lauffer RB, et al. **Magn Reson Med** 1987 Jun; 4(6):582–90

[A test for the identification of Hafnia alvei bacteria by the color reaction with a complex of 5–nitro–8–hydroxyquinoline + iron ions] Sivolodskiĭ EP. **Lab Delo** 1986;(7):445–7 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

A method for removal of trace iron contamination from biological buffers. Gutteridge JM. **FEBS Lett** 1987 Apr 20;214(2):362–4

METABOLISM

Bone marrow disturbances of iron utilisation: cytomorphological diagnostic in chronic alcohol abuse. Boewer C. **Acta Haematol (Basel)** 1986;76(2–3):141–5

Effects of transferrin genetic phenotypes on total iron–binding capacity. Wong CT, et al. **Acta Haematol (Basel)** 1986;75(4):215–8

A new hydroxamate siderophore for iron supply of Salmonella. Rabsch W, et al. **Acta Microbiol Hung** 1987; 34(1):85–92

Mucormycosis in diabetic ketoacidosis. Role of unbound iron binding capacity of transferrin. Abe F, et al. **Acta Pathol Jpn** 1986 Oct;36(10):1507–12

Nutritional Cu, Fe interrelation affected by energy levels? The effect of iron and thyroxine on pigs given extra copper. Astrup HN, et al. **Acta Pharmacol Toxicol (Copenh)** 1986; 59 Suppl 7:152–5

The effect of chronic ethanol consumption on iron absorption in rats. Mazzanti R, et al. **Alcohol Alcohol** 1987;22(1):47–52

Transendothelial transport (transcytosis) of iron–transferrin complex in the rat liver. Kishimoto T, et al. **Am J Anat** 1987 Mar;178(3):241–9

Phytates and the inhibitory effect of bran on iron absorption in man. Hallberg L, et al. **Am J Clin Nutr** 1987 May; 45(5):988–96

The cadmium effect on iron absorption. Huebers HA, et al. **Am J Clin Nutr** 1987 May;45(5):1007–12

No single peripheral blood parameter was predictive of iron status [letter] Hambley H, et al. **Am J Clin Pathol** 1987 Feb;87(2):294–5

Apotransferrin receptors and the delivery of iron from cultured human blood monocytes. Baynes RD, et al. **Am J Hematol** 1987 Aug;25(4):417–25

Endurance swimming, intravascular hemolysis, anemia, and iron depletion. New perspective on athlete's anemia. Selby GB, et al. **Am J Med** 1986 Nov;81(5):791–4

Transferrin–mediated cellular iron uptake. Irie S, et al. **Am J Med Sci** 1987 Feb;293(2):103–11 (103 ref.)

Perinatal hemochromatosis. Clinical, morphologic, and quantitative iron studies. Silver MM, et al. **Am J Pathol** 1987 Sep;128(3):538–54

Effect of iron chelators on placental uptake and transfer of iron in rat. Wong CT, et al. **Am J Physiol** 1987 May;252(5 Pt 1):C477–82

Antioxidant activity of serum ceruloplasmin and transferrin available iron–binding capacity in smokers and nonsmokers. Galdston M, et al. **Am Rev Respir Dis** 1987 Apr; 135(4):783–7

Universal chemical assay for the detection and determination of siderophores. Schwyn B, et al. **Anal Biochem** 1987 Jan; 160(1):47–56

Relationship between absorption of inorganic and food iron in field studies. Baynes RD, et al. **Ann Nutr Metab** 1987; 31(2):109–16

Is there a physiological role of vitamin C in iron absorption? Hallberg L, et al. **Ann NY Acad Sci** 1987;498:324–32 (20 ref.)

Macrophage ferritin and iron deposition in the rat air pouch model of inflammatory synovitis. Morris CJ, et al. **Ann Rheum Dis** 1987 Apr;46(4):334–8

Microorganisms in reclamation of metals. Hutchins SR, et al. **Annu Rev Microbiol** 1986;40:311–36 (174 ref.)

E–0702, a new cephalosporin, is incorporated into Escherichia coli cells via the tonB–dependent iron transport system. Watanabe NA, et al. **Antimicrob Agents Chemother** 1987 Apr;31(4):497–504

Iron–dependent uptake of ascorbate into isolated microsomes. Peterkofsky B, et al. **Arch Biochem Biophys** 1987 Apr; 254(1):282–9

Blocking of iron absorption by a preliminary oral dose of iron. O'Neil–Cutting MA, et al. **Arch Intern Med** 1987 Mar; 147(3):489–91

No evidence for lysophospholipid formation during peroxidation of phospholipids by NADPH–cytochrome P–450 reductase and iron ions. Kostrucha J, et al. **Arch Toxicol** 1987;60(1–3):170–3

Intraarticular ferritin–bound iron in rheumatoid arthritis. A factor that increases oxygen free radical–induced tissue destruction. Biemond P, et al. **Arthritis Rheum** 1986 Oct; 29(10):1187–93

Bioavailability of bi– and trivalent oral iron preparations. Investigations of iron absorption by postabsorption serum iron concentrations curves. Dietzfelbinger H. **Arzneimittelforschung** 1987 Jan;37(1A):107–12

Absorption of di– and trivalent iron. Experimental evidence. Forth W, et al. **Arzneimittelforschung** 1987 Jan; 37(1A):96–100

Equivalent bioavailability of iron from ferrous salts and a ferric polymaltose complex. Clinical and experimental studies. Jacobs P. **Arzneimittelforschung** 1987 Jan; 37(1A):113–6

Bioavailability and therapeutic efficacy of bivalent and trivalent iron preparations. Kaltwasser JP, et al. **Arzneimittelforschung** 1987 Jan;37(1A):122–9

The fate of iron compounds in the gastrointestinal tract. Coordination–chemical facts. Schneider W. **Arzneimittelforschung** 1987 Jan;37(1A):92–5

Judgement of measured values of intestinal iron absorption. Werner E, et al. **Arzneimittelforschung** 1987 Jan; 37(1A):116–21

Iron and exercise interactions. Puhl J. **ASDC J Dent Child** 1987 Jul–Aug;54(4):273–6

A comparison of two procedures used for complexing Fe(III) with human apotransferrin. II. Uptake of Fe(III) by K–562 cells from 55Fe . transferrins and Fe . [3H]transferrins. Hatton MW, et al. **Biochem Cell Biol** 1987 Apr;65(4):271–9

Release of iron from ferritin by xanthine oxidase. Role of the superoxide radical. Bolann BJ, et al. **Biochem J** 1987 Apr 1;243(1):55–9

Comparative study of iron mobilization from haemosiderin, ferritin and iron(III) precipitates by chelators. Kontoghiorghes GJ, et al. **Biochem J** 1987 Jan 1; 241(1):87–92

Mobilization of ferritin–iron by the anticancer agent bleomycin. Nørskov–Lauritsen N, et al. **Biochem Pharmacol** 1987 Aug 15;36(16):2685–6

Exchange of iron by gallium in siderophores. Emery T. **Biochemistry** 1986 Aug 12;25(16):4629–33

Iron(II)–substituted metallothionein: evidence for the existence of iron–thiolate clusters. Good M, et al. **Biochemistry** 1986 Dec 30;25(26):8353–6

Iron(III) clusters bound to horse spleen apoferritin: an X–ray absorption and Mössbauer spectroscopy study that shows that iron nuclei can form on the protein. Yang CY, et al. **Biochemistry** 1987 Jan 27;26(2):497–503

2–Hydroxypyridine–N–oxides: effective new chelators in iron mobilisation. Kontoghiorghes GJ. **Biochim Biophys Acta** 1987 Apr 16;924(1):13–8

Comparison of 59Fe3+ uptake in vitro and in vivo by mouse duodenum. Raja KB, et al. **Biochim Biophys Acta** 1987 Jul 10;901(1):52–60

Transport of Fe2+ across lipid bilayers: possible role of free fatty acids. Simpson RJ, et al. **Biochim Biophys Acta** 1987 Apr 9;898(2):187–95

Iron–binding lipids of rabbit duodenal brush–border membrane. Simpson RJ, et al. **Biochim Biophys Acta** 1987 Apr 9;898(2):181–6

Magnetic resonance studies of Mn(II)–, Mn(III)–, and Fe(III)–conalbumin complexes. Villafranca JJ, et al. **Bioinorg Chem** 1976;6(3):233–45

Iron uptake and transferrin endocytosis in undifferentiated and differentiated erythroid cells. Hradilek A, et al. **Biomed Biochim Acta** 1987;46(2–3):S141–5

Anemia of the Belgrade rat: evidence for defective membrane transport of iron. Bowen BJ, et al. **Blood** 1987 Jul; 70(1):38–44

Decreased bone marrow iron in chronic granulocytic leukaemia: a consistent finding not reflecting iron deficiency. Cervantes F, et al. **Blut** 1986 Oct;53(4):305–8

Independence of in vitro iron absorption from mucosal transferrin content in rat jejunal and ileal segments. Schümann K, et al. **Blut** 1986 Nov;53(5):391–400

Lactoferrin uptake and iron processing into macrophages: a study in familial haemochromatosis. Moguilevsky N, et al. **Br J Haematol** 1987 May;66(1):129–36

The role of mucosal transferrin in intestinal iron absorption [editorial] Osterloh KR, et al. **Br J Haematol** 1987 Jan; 65(1):1–3

The effects of fruit juices and fruits on the absorption of iron from a rice meal. Ballot D, et al. **Br J Nutr** 1987 May; 57(3):331–43

Factors influencing the absorption of iron from soya–bean protein products. Derman DP, et al. **Br J Nutr** 1987 May; 57(3):345–53

The effect of prolonged dietary supplementation with guar gum on subsequent iron absorption and retention in rats. Swindell TE, et al. **Br J Nutr** 1987 Mar;57(2):245–53

Iron and the outcome of infection [editorial] Brock JH. **Br Med J [Clin Res]** 1986 Aug 30;293(6546):518–20

Influence of laying on iron metabolism in quail. Garcia F, et al. **Br Poult Sci** 1986 Dec;27(4):585–92

Iron, ferritin, hepatitis B surface and core antigens in the livers of Chinese patients with hepatocellular carcinoma. Zhou XD, et al. **Cancer** 1987 Apr 15;59(8):1430–7

11q–chromosome is associated with abnormal iron stores in myelodysplastic syndromes. Mecucci C, et al. **Cancer Genet Cytogenet** 1987 Jul;27(1):39–44

Iron metabolism during infection and neoplasia. Letendre ED. **Cancer Metastasis Rev** 1987;6(1):41–53 (112 ref.)

In vitro measurement and adaptive response of Fe3+ uptake by mouse intestine. Raja KB, et al. **Cell Biochem Funct** 1987 Jan;5(1):69–76

The effect of 2,4–dihydroxypyridine–N–oxide, a new orally active iron chelator, on iron excretion in mice. Kontoghiorghes GJ. **Clin Chim Acta** 1987 Mar 16; 163(2):137–41

Vinblastine but not other microtubule inhibitors block transferrin endocytosis and iron uptake by reticulocytes. Morgan EH, et al. **Clin Exp Pharmacol Physiol** 1987 Feb; 14(2):119–26

Effect of food on the availability of iron from three multivitamin/mineral supplements during pregnancy. Rubel HR, et al. **Clin Ther** 1987;9(3):311–7

Plasma ferritin and other parameters related to iron metabolism in piglets. Calvo JJ, et al. **Comp Biochem Physiol [A]** 1986;85(3):471–6

Iron metabolism in iron–deficient male quail. García F, et al. **Comp Biochem Physiol [A]** 1987;87(4):947–50

Iron metabolism during lactation and suckling in a marsupial, the quokka (Setonix brachyurus). Kaldor I, et al. **Comp Biochem Physiol [A]** 1986;84(4):691–4

The uptake and storage of iron and lead in cells of the crayfish (Orconectes propinquus) hepatopancreas and antennal gland. Roldan BM, et al. **Comp Biochem Physiol [C]** 1987;86(1):201–14

Regulation of iron uptake in erythroid and non–erythroid cells. Neuwirt J, et al. **Czech Med** 1987;10(1):54–60

Chronic liver iron overload in the baboon by ferric nitrilotriacetate. Morphologic and functional changes with special reference to collagen synthesis enzymes. Brissot P, et al. **Dig Dis Sci** 1987 Jun;32(6):620–7

Involvement of iron and iron–catalyzed free radical production in ethanol metabolism and toxicity. Nordmann R, et al. **Enzyme** 1987;37(1–2):57–69 (55 ref.)

Iron transport and storage. Crichton RR, et al. **Eur J Biochem** 1987 May 4;164(3):485–506 (338 ref.)

Metabolic utilization of 57Fe–labeled coprogen in Neurospora crassa. An in vivo Mössbauer study. Matzanke BF, et al. **Eur J Biochem** 1987 Feb 2;162(3):643–50

Iron uptake by rat duodenal microvillous membrane vesicles: evidence for a carrier mediated transport system. Stremmel W, et al. **Eur J Clin Invest** 1987 Apr;17(2):136–45

Diminished acquisition of iron by reticulocytes from mice with hemoglobin deficit. Garrick LM, et al. **Exp Hematol** 1987 Jul;15(6):671–5

Iron transfer from ferritin to transferrin. Effect of serum factors. Jin Y, et al. **FEBS Lett** 1987 May 4;215(1):41–6

Iron uptake and metabolism by hepatocytes. Morgan EH, et al. **Fed Proc** 1986 Nov;45(12):2810–6 (37 ref.)

Role of iron in adriamycin biochemistry. Myers C, et al. **Fed Proc** 1986 Nov;45(12):2792–7 (31 ref.)

Distribution of iron in pig placenta (Sus scrofa dom. L.). Bielańska–Osuchowska Z, et al. **Folia Histochem Cytobiol** 1987;25(1):29–43

Gastric mucosal injury in the rat. Role of iron and xanthine oxidase. Smith SM, et al. **Gastroenterology** 1987 Apr; 92(4):950–6

Regulation of iron absorption. Wheby MS. **Gastroenterology** 1966 Jun;50(6):888–92 (24 ref.)

The mechanisms of iron uptake by fetal rat hepatocytes in culture. Trinder D, et al. **Hepatology** 1986 Sep–Oct; 6(5):852–8

Effect of tea and coffee consumption on non–haem iron absorption: some questions about milk. Farkas CS, et al. **Hum Nutr Clin Nutr** 1987 Mar;41(2):161–3

Effects of serum carrier proteins on the growth of pathogenic neisseriae with heme–bound iron. Dyer DW, et al. **Infect Immun** 1987 Sep;55(9):2171–5

Influence of iron on growth, morphology, outer membrane protein composition, and synthesis of siderophores in Campylobacter jejuni. Field LH, et al. **Infect Immun** 1986 Oct;54(1):126–32

Virulence of iron transport mutants of Shigella flexneri and utilization of host iron compounds. Lawlor KM, et al. **Infect Immun** 1987 Mar;55(3):594–9

Resistance to pesticin, storage of iron, and invasion of HeLa cells by Yersiniae. Sikkema DJ, et al. **Infect Immun** 1987 Mar;55(3):572–8

Surface expression of ferripyochelin–binding protein is required for virulence of Pseudomonas aeruginosa. Sokol PA. **Infect Immun** 1987 Sep;55(9):2021–5

Release of iron from endosomes is an early step in the transferrin cycle. Bakkeren DL, et al. **Int J Biochem** 1987; 19(2):179–86

Iron mobilization from isolated hepatocytes. Mostert LJ, et al. **Int J Biochem** 1986;18(11):1061–4

Non–ferritin, non–heme iron pools in rat tissues. Mulligan M, et al. **Int J Biochem** 1986;18(9):791–8

Effects of dietary vitamin E and high level of ascorbic acid on iron distribution in rat tissues. Chen LH, et al. **Int J Vitam Nutr Res** 1986;56(3):253–8

The effect of different dietary levels of vitamin A on metabolism of copper iron and zinc in the chick. Sklan D, et al. **Int J Vitam Nutr Res** 1987;57(1):11–8

Effect of desferrioxamine on salivary iron in thalassemic children [letter] Greif Z, et al. **Isr J Med Sci** 1986 Jun; 22(6):482–3

Estimation of iron bioavailability in adolescents' meals and snacks. Viglietti GC, et al. **J Am Diet Assoc** 1987 Jul; 87(7):903–8

Transferrin–mediated transcellular transport of 59Fe across confluent epithelial sheets of Sertoli cells grown in bicameral cell culture chambers. Djakiew D, et al. **J Androl** 1986 Nov–Dec;7(6):355–66

Iron uptake in Mycelia sterilia EP–76. Adjimani JP, et al. **J Bacteriol** 1987 Aug;169(8):3664–8

Outer membrane protein mediating iron uptake via pyoverdinpss, the fluorescent siderophore produced by Pseudomonas syringae pv. syringae. Cody YS, et al. **J Bacteriol** 1987 May;169(5):2207–14

Operator sequences of the aerobactin operon of plasmid ColV–K30 binding the ferric uptake regulation (fur) repressor. de Lorenzo V, et al. **J Bacteriol** 1987 Jun; 169(6):2624–30

Iron incorporation into apoferritin. The role of apoferritin as a ferroxidase. Bakker GR, et al. **J Biol Chem** 1986 Oct 5;261(28):13182–5

The effects of ascorbic acid on the intracellular metabolism of iron and ferritin. Bridges KR, et al. **J Biol Chem** 1986 Oct 25;261(30):14273–7

Absence of iron transfer from uteroferrin to transferrin. Doi K, et al. **J Biol Chem** 1986 Nov 15;261(32):14936–8

Reductive release of iron from ferritin by cation free radicals of paraquat and other bipyridyls. Thomas CE, et al. **J Biol Chem** 1986 Oct 5;261(28):13064–70

The influence of uncoordinated histidines on iron release from transferrin. A chemical modification study. Thompson CP, et al. **J Biol Chem** 1986 Oct 5;261(28):13128–34

Iron metabolism in BeWo chorion carcinoma cells. Transferrin–mediated uptake and release of iron. van der Ende A, et al. **J Biol Chem** 1987 Jun 25;262(18):8910–6

Targeted inhibition of transferrin–mediated iron uptake in Hep G2 hepatoma cells. Wu GY, et al. **J Biol Chem** 1986 Dec 25;261(36):16834–7

Control of heme synthesis during Friend cell differentiation: role of iron and transferrin. Laskey JD, et al. **J Cell Physiol** 1986 Nov;129(2):185–92

Transferrin receptor numbers and transferrin and iron uptake in cultured chick muscle cells at different stages of development. Sorokin LM, et al. **J Cell Physiol** 1987 Jun; 131(3):342–53

Effects of different transferrin forms on transferrin receptor expression, iron uptake, and cellular proliferation of human leukemic HL60 cells. Mechanisms responsible for the specific cytotoxicity of transferrin–gallium. Chitambar CR, et al. **J Clin Invest** 1986 Dec;78(6):1538–46

Media for study of growth kinetics and envelope properties of iron–deprived bacteria. Kadurugamuwa JL, et al. **J Clin Microbiol** 1987 May;25(5):849–55

Transferrin–receptor interaction and iron uptake by reticulocytes of vertebrate animals—a comparative study. Lim BC, et al. **J Comp Physiol [B]** 1987;157(3):363–71

Bioavailability of iron in goat milk compared with cow milk fed to anemic rats. Park YW, et al. **J Dairy Sci** 1986 Oct; 69(10):2608–15

A study of the relationship between placental non–haem iron and iron transfer in the guinea pig: the maturation of the transfer process. van Dijk JP, et al. **J Dev Physiol** 1986 Oct;8(5):347–54

Purification and characterization of the major iron–regulated protein expressed by pathogenic Neisseriae. Mietzner TA, et al. **J Exp Med** 1987 Apr 1;165(4):1041–57

Iron regulated outer membrane proteins of Escherichia coli: variations in expression due to the chelator used to restrict the availability of iron. Chart H, et al. **J Gen Microbiol** 1986 May;132 (Pt 5):1373–8

Effect of aerosolized Escherichia coli and Staphylococcus aureus on iron and iron–binding proteins in lung lavage fluid. LaForce FM, et al. **J Infect Dis** 1986 Dec; 154(6):959–65

Kinetics of pyrophosphate induced iron release from diferric ovotransferrin. Cheuk MS, et al. **J Inorg Biochem** 1987; 29(4):301–11

The effect of pH on the kinetics of iron release from diferric ovotransferrin induced by pyrophosphate. Cheuk MS, et al. **J Inorg Biochem** 1987 Jun;30(2):121–31

Iron binding by phosvitins: variable mechanism of iron release by phosvitins of diverse species characterized by different degrees of phosphorylation. Grogan J, et al. **J Inorg Biochem** 1987 Jan;29(1):33–47

Siderophore mediated iron(III) uptake in Gliocladium virens. 2. Role of ferric mono– and dihydroxamates as iron transport agents. Jalal MA, et al. **J Inorg Biochem** 1987; 29(4):259–67

Siderophore mediated iron(III) uptake in Gliocladium virens. 1. Properties of cis–fusarinine, trans–fusarinine, dimerum acid, and their ferric complexes. Jalal MA, et al. **J Inorg Biochem** 1986 Dec;28(4):417–30

Modification of iron uptake and lipid peroxidation by hypoxia, ascorbic acid, and alpha–tocopherol in iron–loaded rat myocardial cell cultures. Hershko C, et al. **J Lab Clin Med** 1987 Sep;110(3):355–61

Absorption of carbonyl iron. Huebers HA, et al. **J Lab Clin Med** 1986 Nov;108(5):473–8

Iron binding, internalization, and fate in human alveolar macrophages. McGowan SE, et al. **J Lab Clin Med** 1986 Dec;108(6):587–95

Iron release from transferrin: synergistic interaction between adenosine triphosphate and an ammonium sulfate fraction of hemolysate. Pollack S, et al. **J Lab Clin Med** 1986 Nov; 108(5):411–4

Bioavailability to rats of iron in six varieties of wheat grain intrinsically labeled with radioiron. House WA, et al. **J Nutr** 1987 Mar;117(3):476–80

Heme, ferritin and vegetable iron absorption in humans from meals denatured of heme iron during the cooking of beef. Martínez–Torres C, et al. **J Nutr** 1986 Sep;116(9):1720–5

Computer simulation of iron absorption: regulation of mucosal and systemic iron kinetics in dogs. Nathanson MH, et al. **J Nutr** 1987 Jun;117(6):1067–75

A study of maternofetal iron transfer in the riboflavin–deficient rat. Powers HJ. **J Nutr** 1987 May; 117(5):852–6

Effects of starvation and refeeding on tissue zinc, copper and iron in turkey poults. Richards MP, et al. **J Nutr** 1987 Mar;117(3):481–9

Effects of the pyrones, maltol and ethyl maltol, on iron absorption from the rat small intestine. Barrand MA, et al. **J Pharm Pharmacol** 1987 Mar;39(3):203–11

Effects of iron–, manganese–, or magnesium–deficiency on the growth and morphology of Euglena gracilis. Hilt KL, et al. **J Protozool** 1987 May;34(2):192–8

Source of iron in neutrophil–mediated killing of endothelial cells. Gannon DE, et al. **Lab Invest** 1987 Jul;57(1):37–44

Yersinia and iron [letter] Hughes RT, et al. **Lancet** 1987 Apr 18;1(8538):929

Iron, akathisia, and antipsychotic drugs [letter] Pall HS, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1469

Mechanism of exacerbation of rheumatoid synovitis by total–dose iron–dextran infusion: in–vivo demonstration of iron–promoted oxidant stress. Winyard PG, et al. **Lancet** 1987 Jan 10;1(8524):69–72

Monokine mediated release of intracellular iron in tumor target cells in vitro. Klostergaard J. **Lymphokine Res** 1987 Winter;6(1):19–28

Ferrokinetic studies with stable isotopes as tracers. Cantone MC, et al. **Med Phys** 1987 Mar–Apr;14(2):223–7

Intestinal iron absorption during turpentine sterile inflammation in the rat. Influences of isoproterenol and propranolol. Gutnisky A, et al. **Methods Find Exp Clin Pharmacol** 1987 Jan;9(1):23–6

Iron hydroxamate transport of Escherichia coli: nucleotide sequence of the fhuB gene and identification of the protein. Köster W, et al. **MGG** 1986 Sep;204(3):435–42

Orally active alpha–ketohydroxypyridine iron chelators: studies in mice. Kontoghiorghes GJ. **Mol Pharmacol** 1986 Dec;30(6):670–3

Antimalarial activity of selected aromatic chelators. IV. Cation uptake by Plasmodium falciparum in the presence of oxines and siderochromes. Scheibel LW, et al. **Mol Pharmacol** 1986 Oct;30(4):364–9

Iron–mediated induction of sister–chromatid exchanges by hydrogen peroxide and superoxide anion. Larramendy M, et al. **Mutat Res** 1987 May;178(1):57–63

Experimental iron overload using ferric nitrilotriacetate (Fe3+–NTA): a proposal model of the diseases in man caused by iron overload. Awai M. **Nippon Ketsueki Gakkai Zasshi** 1986 Dec;49(8):1650–9

Iron absorption: molecular aspects and its regulation. Huebers HA. **Nippon Ketsueki Gakkai Zasshi** 1986 Dec; 49(8):1528–35 (55 ref.)

Significance of iron and iron binding protein in abnormal iron metabolism—iron overload. Matsuda S, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Dec;49(8):1669–76

Trends in research of iron binding proteins. Urushizaki I. **Nippon Ketsueki Gakkai Zasshi** 1986 Dec;49(8):1620–6

Interaction of iron, copper, and zinc. **Nutr Rev** 1987 Jun; 45(6):167–9 (5 ref.)

Vitamin C stabilizes ferritin: new insights into iron–ascorbate interactions. **Nutr Rev** 1987 Jul;45(7):217–8 (8 ref.)

Chemical evolution of iron containing enzymes: mixed ligand complexes of iron as intermediary steps. Kamaluddin, et al. **Orig Life Evol Biosph** 1986;17(1):59–68

Bioavailability of iron in soy–based formula and its effect on iron nutriture in infancy. Hertrampf E, et al. **Pediatrics** 1986 Oct;78(4):640–5

American Academy of Pediatrics Committee on Nutrition: Report needs clarification [letter] Kafka HL. **Pediatrics** 1978 Jan;61(1):153–4

Retinopathy of prematurity and iron: a modification of the oxygen hypothesis [letter] Sullivan JL. **Pediatrics** 1986 Dec; 78(6):1171–2

Iron deficiency in children. Update on an old problem. Ritchey AK. **Postgrad Med** 1987 Aug;82(2):59–63, 67–9

Tissue distribution and clearance kinetics of non–transferrin–bound iron in the hypotransferrinemic mouse: a rodent model for hemochromatosis. Craven CM, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3457–61

Iron content and distribution in Japanese quail. Sánchez J, et al. **Q J Exp Physiol** 1987 Jan;72(1):21–9

The incorporation of iron into chicken apoferritin in the presence of ceruloplasmin. Herraez A, et al. **Rev Esp Fisiol** 1987 Mar;43(1):95–9

Relationship between serum ferritin, iron stores and disease activity in rheumatoid arthritis. Palermo C, et al. **Ric Clin Lab** 1986 Jul–Sep;16(3):463–9

Wheat fiber, phytates and iron absorption. Hallberg L. **Scand J Gastroenterol [Suppl]** 1987;129:73–9

Effect of dietary fiber on iron absorption in man. Rossander L. **Scand J Gastroenterol [Suppl]** 1987;129:68–72

The influence of subcutaneously administered lead(II) acetate on the concentrations of copper, iron, and zinc in the blood, kidney, liver, and spleen of rats. Gasiorowski K, et al. **Sci Total Environ** 1987 Jun;64(1–2):117–23

The role of dietary iron in pigment gallstone formation. Roslyn JJ, et al. **Surgery** 1987 Aug;102(2):327–33

Carbonyl iron for short–term supplementation in female blood donors. Gordeuk VR, et al. **Transfusion** 1987 Jan–Feb;27(1):80–5

Extractable iron in experimental hematomas. Laiho K. **Z Rechtsmed** 1987;98(1):11–7

Participation of iron on the growth inhibition of pathogenic strains of mycobacterium avium and M. paratuberculosis in serum. Barclay R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Aug; 262(2):189–94

[Changes in the iron content, erythrocytes and hemoglobin in the blood of poultry with acute experimental fowl typhoid] Kokosharov T, et al. **Vet Med Nauki** 1987; 24(5):70–4 (Eng. Abstr.) **(Bul)**

[Serum ferritin in blood donors—an evaluation of iron reserves] Milman N, et al. **Nord Med** 1987;102(3):84–6 (Eng. Abstr.) **(Dan)**

[New central, epithelial iron deposit following epikeratophakia in high–grade myopia] Grabner G. **Klin Monatsbl Augenheilkd** 1987 May;190(5):424–7 (Eng. Abstr.) **(Ger)**

[Iron and the supply of iron in warm–blooded animals] Forth W. **Naturwissenschaften** 1987 Apr;74(4):175–80 (Eng. Abstr.) **(Ger)**

[The effect of hormonal contraceptives and pregnancy on iron metabolism, plasma lactoferrin levels and granulocyte count in women] Rosenmund A, et al.

Schweiz Med Wochenschr 1986 Oct 11;116(41):1411–4 (Eng. Abstr.) (Ger)
[Dietary protein and resorption of minerals and trace elements, especially iron] Hallberg L. Verh Dtsch Ges Inn Med 1986;92:743–9 (Ger)
[Iron transport compounds (siderophores) in microorganisms] Mucke W, et al. Z Gesamte Hyg 1987 Mar;33(3):122–6 (Eng. Abstr.) (Ger)
[Cytomorphologic diagnosis of iron utilization disturbance in chronic alcohol abuse] Boewer C. Zentralbl Allg Pathol 1986;131(6):507–16 (Eng. Abstr.) (Ger)
[Characteristics of iron metabolism in children with gastrointestinal diseases] Kovács JB, et al. Orv Hetil 1986 Aug 24;127(34):2053–7 (Eng. Abstr.) (Hun)
[Survey of iron nutrition in adult women with reference to physical and clinical examinations and food analyses] Kurosaki S. Nippon Ika Daigaku Zasshi 1986 Oct; 53(5):433–42 (Eng. Abstr.) (Jpn)
[Iron release from rat peritoneal macrophages erythrophagocytosed in vitro and in vivo] Nishisato T, et al. Nippon Ketsueki Gakkai Zasshi 1986 Aug;49(5):1001–12 (Eng. Abstr.) (Jpn)
[Hemochromatosis] Kohgo Y, et al. Nippon Rinsho 1986 Aug; 44(8):1879–91 (32 ref.) (Jpn)
[New method for the temperature controlled resin embedding and its application to the metal-chelate induced experimental osteomalacia] Toda Y, et al. Rinsho Byori 1986 Dec;34(12):1431–6 (Jpn)
[Erythroblasts at the ultrastructural level in cirrhotics with abnormal iron metabolism] Shimizu S, et al. Rinsho Ketsueki 1987 May;28(5):687–94 (Eng. Abstr.) (Jpn)
[Iron and copper levels in pregnant women, newborn infants and children] Muszyńska-Zimna E, et al. Pediatr Pol 1987 Jan;62(1):66–71 (Pol)
[Circadian changes in small intestine absorption in patients after various types of gastrectomy. II. Absorption of xylose and iron] Boldys H. Pol Arch Med Wewn 1986 Apr; 75(4):240–7 (Eng. Abstr.) (Pol)
[Use of potassium ferrate as an orthophosphate analog in the modification of the active centers of proteins] Steczko J. Postepy Biochem 1985;31(3–4):569–84 (51 ref.) (Pol)
[Various indices of iron metabolism in the mother–fetus–amniotic fluid–placenta system of healthy parturients and parturients with rheumatic heart lesions] Avakian ZA, et al. Akush Ginekol (Mosk) 1987 Feb;(2):61–2 (Rus)
[Transformation of ferromagnetic suspensions in the animal body] Tsapin AI, et al. Biofizika 1986 Nov–Dec; 31(6):1023–6 (Eng. Abstr.) (Rus)
[Lipid peroxidation and free Fe2+ during ischemia and reoxygenation of the liver] Kozlov AV, et al. Biull Eksp Biol Med 1987 Aug;104(8):165–7 (Eng. Abstr.) (Rus)
[Transferrin: its role in iron metabolism and various clinical aspects] Bakhramov SM, et al. Gematol Transfuziol 1987 Mar;32(3):39–42 (23 ref.) (Rus)
[Mechanism of action and clinical manifestations of overload of the body with iron in hereditary hemochromatosis] Tokarev IuN, et al. Gematol Transfuziol 1987 Feb; 32(2):51–7 (51 ref.) (Rus)
[Genetic control of iron absorption systems in bacterial cells: mechanisms of the process and its role in pathogenicity] Smirnov GB. Mol Gen Mikrobiol Virusol 1986 Jul;(7):3–14 (58 ref.) (Eng. Abstr.) (Rus)
[Role of iron in the pathogenesis of free radical processes induced by UV–irradiation of guinea pig skin] Akimov VG. Vestn Dermatol Venerol 1987;(2):7–10 (Eng. Abstr.) (Rus)
[Effect of alcohol on iron, aluminum and zinc balance] Nasolodin VV, et al. Vopr Pitan 1987 Jan–Feb;(1):23–6 (Eng. Abstr.) (Rus)
[Effect of manganese poisoning on the levels of manganese and iron in rat viscera] López-Muñiz A, et al. Rev Esp Fisiol 1986 Dec;42(4):415–9 (Eng. Abstr.) (Spa)
[Iron balance in the adolescent] Foradori A, et al. Rev Med Chil 1987 Jan;115(1):3–9 (Eng. Abstr.) (Spa)
[Iron metabolism during pubertal development] Muñoz Villa A, et al. Sangre (Barc) 1987;32(2):175–85 (Eng. Abstr.) (Spa)

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Catalytic and immunochemical properties of arylsulphatase A from urine, modified by potassium ferrate. Laidler PM, et al. Acta Biochim Pol 1986;33(2):101–8
Toxicologic implications of the iron-dependent activation of bleomycin A2 by mouse lung microsomes. Trush MA, et al. Adv Exp Med Biol 1986;197:291–300
Cytotoxin (leukotoxin) production by Pasteurella haemolytica: requirement for an iron-containing compound. Gentry MJ, et al. Am J Vet Res 1986 Sep; 47(9):1919–23
Biological effect of transferrin on mast cell mediator release during the passive cutaneous anaphylaxis reaction: a possible inhibition mechanism involving iron. Mécheri S, et al. Ann Inst Pasteur Immunol 1987 Mar–Apr; 138(2):213–21
Microsomal generation of hydroxyl radicals: its role in microsomal ethanol oxidizing system (MEOS) activity and requirement for iron. Cederbaum AI. Ann NY Acad Sci 1987;492:35–49
Effects of iron–limitation of Escherichia coli on growth, the respiratory chains and gallium uptake. Hubbard JA, et al. Arch Microbiol 1986 Oct;146(1):80–6
Stabilization of ascorbate solution by chelating agents that block redox cycling of metal ions. Nishikimi M, et al. Biochem Int 1987 Jan;14(1):111–7
Superoxide–dependent and ascorbate–dependent formation of hydroxyl radicals from hydrogen peroxide in the presence of iron. Are lactoferrin and transferrin promoters of hydroxyl–radical generation? Aruoma OI, et al. Biochem J 1987 Jan 1;241(1):273–8
Mechanistic studies of the inhibition of hepatic uroporphyrinogen decarboxylase in C57BL/10 mice by iron–hexachlorobenzene synergism. Smith AG, et al. Biochem J 1986 Sep 15;238(3):871–8
Euglena gracilis chromatin: comparison of effects of zinc, iron, magnesium, or manganese deficiency and cold shock. Falchuk KH, et al. Biochemistry 1986 Sep 23; 25(19):5388–91
Effects of iron and desferrioxamine on the growth of Plasmodium falciparum in vitro [letter] Pollack S. Br J Haematol 1987 Feb;65(2):256–7
Effects of divalent metal ions on the uptake of glutamate and GABA from synaptosomal fractions. Gabrielsson B, et al. Brain Res 1986 Oct 8;384(2):218–23
Effect of iron upon cadmium–manganese and cadmium–iron interaction. Gruden N, et al. Bull Environ Contam Toxicol 1987 Jun;38(6):969–74
Iron supports myogenic cell differentiation to the same degree as does iron–bound transferrin. Hagiwara Y, et al. Dev Biol 1987 Mar;120(1):236–44
Influence of copper and iron on subacute cadmium intoxication in protein–malnourished rats. Tewari PC, et al. Environ Res 1986 Oct;41(1):53–60
Human placental lipid peroxidation—II. NADPH and iron dependent stimulation of microsomal lipid peroxidation by paraquat. Kenel MF, et al. Gen Pharmacol 1987;18(4):373–8
Distribution, excretion and in–vivo metabolism of 14C–hexachlorobenzene and the influence of iron overload in C57BL/10 mice. Khanna RN, et al. IARC Sci Publ 1986; (77):319–21
Genetic, iron status and sex factors of porphyria induced by hexachlorobenzene. Smith AG, et al. IARC Sci Publ 1986;(77):433–9
Importance of diet of dam and colostrum to the biological antioxidant status and parenteral iron tolerance of the pig. Loudenslager MJ, et al. J Anim Sci 1986 Dec;63(6):1905–14
The quantification of the neutralization of the action of antibiotics by cationic iron. Miles AA, et al. J Antimicrob Chemother 1986 Aug;18(2):185–93
Effect of iron on accumulation of exotoxin A–specific mRNA in Pseudomonas aeruginosa. Lory S. J Bacteriol 1986 Dec; 168(3):1451–6
Ferrate oxidation of Escherichia coli DNA polymerase–I. Identification of a methionine residue that is essential for DNA binding. Basu A, et al. J Biol Chem 1987 Jul 15; 262(20):9601–7
Novel 21–amino steroids as potent inhibitors of iron–dependent lipid peroxidation. Braughler JM, et al. J Biol Chem 1987 Aug 5;262(22):10438–40
Stimulated human neutrophils limit iron–catalyzed hydroxyl radical formation as detected by spin–trapping techniques. Britigan BE, et al. J Biol Chem 1986 Dec 25; 261(36):17026–32
Iron–transferrin–induced increase in protein kinase C activity in CCRF–CEM cells. Phillips JL, et al. J Cell Physiol 1987 Aug;132(2):349–53
Differences in effect of Mn(II), Fe(III), Co(II), and Zn(II) ions on trypsinogen activation. Vajda T, et al. J Inorg Biochem 1987 Jan;29(1):49–57
Effects of level and saturation of fat and iron level and type in the diet on iron absorption and utilization by the rat. Johnson PE, et al. J Nutr 1987 Mar;117(3):501–7
Iron, zinc and copper interactions: chronic versus acute responses of rats. Storey ML, et al. J Nutr 1987 Aug; 117(8):1434–42
Effect of iron fortification of infant formula on trace mineral absorption. Haschke F, et al. J Pediatr Gastroenterol Nutr 1986 Sep–Oct;5(5):768–73
Effect of iron–fortified formula on SIgA of gastrointestinal tract in early infancy. Koutras AK, et al. J Pediatr Gastroenterol Nutr 1986 Nov–Dec;5(6):926–30
Comparison of the effects of Fe2+ and Cu2+ on prostaglandin synthesis in rabbit kidney medulla slices. Fujita T, et al. J Pharm Pharmacol 1987 Mar;39(3):230–3
Differential regulation of transferrin receptor gene expression in human hemopoietic cells: molecular and cellular aspects. Testa U, et al. J Recept Res 1987;7(1–4):355–75
Transcriptional regulation by iron of the gene for the transferrin receptor. Rao K, et al. Mol Cell Biol 1986 Jan; 6(1):236–40
Translation of ferritin light and heavy subunit mRNAs is regulated by intracellular chelatable iron levels in rat hepatoma cells. Rogers J, et al. Proc Natl Acad Sci USA 1987 Apr;84(8):2277–81
Iron–induced accumulation of hepatic metallothionein: the lack of glucocorticoid involvement. McCormick CC. Proc Soc Exp Biol Med 1987 Sep;185(4):413–9
MPTP potentiates iron–induced lipid peroxidation without the involvement of free radicals derived from oxygen. Poirier J, et al. Res Commun Chem Pathol Pharmacol 1987 Jun;56(3):387–99
Influence of iron on plutonium absorption by the adult and neonatal rat. Sullivan MF, et al. Toxicol Appl Pharmacol 1986 Sep 15;85(2):239–47
The role of iron in 2,3,7,8–tetrachlorodibenzo–p–dioxin–induced lipid peroxidation by rat liver microsomes. Al-Bayati ZA, et al. Toxicol Lett 1987 Sep;38(1–2):115–21
[Inhibition of platelet aggregation by dinitrosyl iron complexes with low molecular weight ligands] Mordvintsev PI, et al. Biokhimiia 1986 Nov;51(11):1851–7 (Eng. Abstr.) (Rus)
[Blood serum chemiluminescence in the presence of divalent iron during prolonged artificial circulation] Novokshonov AI, et al. Biull Eksp Biol Med 1987 Jul;104(7):104–6 (Rus)

PHYSIOLOGY

A role for iron in oxidant–mediated ischemic injury to intestinal microvasculature. Hernandez LA, et al. Am J Physiol 1987 Jul;253(1 Pt 1):G49–53
The role of iron in the activation of mannonic and altronic acid hydratases, two Fe–requiring hydro–lyases. Dreyer JL. Eur J Biochem 1987 Aug 3;166(3):623–30
Studies on the role of iron in the alterations observed in hexachlorobenzene–induced porphyria. Wainstok de Calmanovici R, et al. IARC Sci Publ 1986;(77):497–503
Expression of iron–regulated proteins in Yersinia species and their relation to virulence. Carniel E, et al. Infect Immun 1987 Jan;55(1):277–80
Lactoferrin effects of phagocytic cell function. II. The presence of iron is required for the lactoferrin molecule to stimulate intracellular killing by macrophages but not to enhance the uptake of particles and microorganisms. Lima MF, et al. J Immunol 1987 Sep 1;139(5):1647–51
The immunoregulatory nature of iron. II. Lymphocyte surface marker expression. Bryan CF, et al. J Leukocyte Biol 1986 Nov;40(5):589–600
Estimation of the dietary iron requirement for the weanling puppy and kitten. Chausow DG, et al. J Nutr 1987 May; 117(5):928–32
Blood–letting, iron homeostasis, and human health. Weinberg RJ, et al. Med Hypotheses 1986 Dec;21(4):441–3
Role of iron in the proliferation of the established human tumor cell lines U–937 and K–562: effects of suramin and a lipophilic iron chelator (PIH). Forsbeck K, et al. Scand J Haematol 1986 Nov;37(5):429–37
[Iron and iron–binding proteins in inflammation and tumors] Fereberger W. Wien Med Wochenschr [Suppl] 1984;79:1–18 (111 ref.) (Eng. Abstr.) (Ger)

POISONING

Whole bowel irrigation for iron overdose [letter] Bock GW, et al. Ann Emerg Med 1987 Jan;16(1):137–8
Acute iron intoxication: treatment controversies. Engle JP, et al. Drug Intell Clin Pharm 1987 Feb;21(2):153–9 (33 ref.)
Yersiniae and iron intoxication [letter] Stein ZL, et al. Drug Intell Clin Pharm 1987 Jul–Aug;21(7–8):661
Applicability of early indicators of iron toxicity. Knasel AL, et al. J Natl Med Assoc 1986 Nov;78(11):1037–40
Whole bowel irrigation in iron poisoning. Tenenbein M. J Pediatr 1987 Jul;111(1):142–5
In vivo effectiveness of oral complexation agents in the management of iron poisoning. Dean BS, et al. J Toxicol Clin Toxicol 1987;25(3):221–30
Unusual case of iron intoxication [letter] Rodgers GP, et al. J Toxicol Clin Toxicol 1987;25(3):251–3
Yersinia hepatic abscesses and iron overload [letter] Chiesa C, et al. JAMA 1987 Jun 19;257(23):3230–1
1,2–Dimethyl–3–hydroxypyrid–4–one, an orally active chelator for treatment of iron overload. Kontoghiorghes GJ, et al. Lancet 1987 Jun 6;1(8545):1294–5
Management of acute iron poisoning. Proudfoot AT, et al. Med Toxicol 1986 Mar–Apr;1(2):83–100
Mucormycosis—a new risk of deferoxamine therapy in dialysis patients with aluminum or iron overload? [letter] Goodill JJ, et al. N Engl J Med 1987 Jul 2;317(1):54
Iron sepsis: Yersinia enterocolitica septicemia possibly caused by an overdose of iron [letter] Mofenson HC, et al. N Engl J Med 1987 Apr 23;316(17):1092–3
[Acute accidental oral iron poisoning of drug origin in pediatrics] Pierron H, et al. Ann Pediatr (Paris) 1987 Apr; 34(4):333–5 (Eng. Abstr.) (Fre)
[Metabolic bone diseases: osteomalacia due to Fe or Al poisoning] Shiraki M. Nippon Rinsho 1986 Nov; 44(11):2493–8 (48 ref.) (Jpn)

SECRETION

Tumoricidal effector mechanisms of murine Bacillus Calmette–Guérin–activated macrophages: mediation of cytolysis, mitochondrial respiration inhibition, and release of intracellular iron by distinct mechanisms. Klostergaard J, et al. Cancer Res 1987 Apr 15;47(8):2014–9

THERAPEUTIC USE

Effect of iron therapy on phagocytosis and bactericidal activity in neutrophils of iron–deficient infants. Walter T, et al. Am J Clin Nutr 1986 Dec;44(6):877–82
Treatment with iron increases weight gain and psychomotor development. Aukett MA, et al. Arch Dis Child 1986 Sep; 61(9):849–57

Treatment with iron increases weight gain and psychomotor development [letter] Poulton J. **Arch Dis Child** 1987 Feb; 62(2):213

Attitudes to prescribing iron supplements in general practice. Waller DG, et al. **Br Med J [Clin Res]** 1987 Jan 10; 294(6564):94–6

Use of iron supplements in infancy: a field trial. Palti H, et al. **Bull WHO** 1987;65(1):87–94

Evaluation of iron-deficiency anemia by an iron supplementation trial in children living at a 2,800-m altitude. Estrella R, et al. **Clin Chim Acta** 1987 Apr 15; 164(1):1–6

The effect of iron and folate therapy on maximal exercise performance in female marathon runners with iron and folate deficiency. Matter M, et al. **Clin Sci** 1987 Apr; 72(4):415–22

Idiopathic thrombocytopenic purpura presenting as iron-responsive thrombocytopenia. Michaeli J, et al. **Haemostasis** 1987;17(1–2):105–8

Iron supplementation in infancy. Emami A. **Indian J Pediatr** 1987 May–Jun;54(3):285–7

Prescribing iron to combat deprivation [letter] Jacobs A. **Lancet** 1987 Feb 14;1(8529):388

Nutrition classics. The Journal of Biological Chemistry, Vol. LXXVII, 1928: Iron in nutrition. VII. Copper as a supplement to iron for hemoglobin building in the rat. By E.B. Hart, H. Steenbock, J. Waddell, and C.A. Elvehjem. **Nutr Rev** 1987 Jun;45(6):181–3

Acute effects of iron therapy on zinc status during pregnancy. Hambidge KM, et al. **Obstet Gynecol** 1987 Oct;70(4):593–6

Three-year follow-up after withdrawal of iron therapy in uremic patients on regular dialytic treatment. Thea A, et al. **Ric Clin Lab** 1986 Oct–Dec;16(4):517–22

Total dose iron infusion, malaria and pregnancy in Papua New Guinea. Oppenheimer SJ, et al. **Trans R Soc Trop Med Hyg** 1986;80(5):818–22

Effect of iron prophylaxis on morbidity due to infectious disease: report on clinical studies in Papua New Guinea. Oppenheimer SJ, et al. **Trans R Soc Trop Med Hyg** 1986; 80(4):596–602

[Possibilities and limitations of iron-deficiency therapy] Hausmann K. **Dtsch Med Wochenschr** 1987 Jun 5; 112(23):931–3 **(Ger)**

[Diagnosis and therapy of iron deficiency anemia in pregnancy] Peiker G, et al. **Zentralbl Gynakol** 1986; 108(24):1487–92 (Eng. Abstr.) **(Ger)**

[Iron administration in pregnancy—general prevention or indicated therapy] Winkler UH. **Zentralbl Gynakol** 1987; 109(6):369–72 (Eng. Abstr.) **(Ger)**

[Correction of iron deficiency in patients with various laryngologic diseases] Horoch A, et al. **Otolaryngol Pol** 1986;40(5):377–81 (Eng. Abstr.) **(Pol)**

[Are any drug admixtures except iron preparations required in the treatment of iron deficiency anemia?] Mandel baum Ala. **Ter Arkh** 1987;59(6):119–24 (Eng. Abstr.) **(Rus)**

[Iron deficiency anemia in unweaned infants: a prospective study] Jiménez E, et al. **Bol Med Hosp Infant Mex** 1987 Jun;44(6):309–15 (Eng. Abstr.) **(Spa)**

[Routine iron therapy in anemia can be dangerous for the patient] Anderberg B, et al. **Lakartidningen** 1986 Oct 15; 83(42):3521 **(Swe)**

TOXICITY

Effects of lead oxide and iron on glucose fermentation by Clostridium sp. Francis AJ, et al. **Arch Environ Contam Toxicol** 1987 Jul;16(4):491–7

Some biological properties of respirable iron ore dust. Keast D, et al. **Environ Res** 1987 Apr;42(2):455–68

Pulmonary alveolar lipoproteinosis in rats following intratracheal injection of pyrite particles. Governa M, et al. **J Toxicol Environ Health** 1986;19(3):403–12

URINE

Hemosiderosis in rodents and the effect of acetohydroxamic acid on urinary iron excretion. Corden BJ. **Exp Hematol** 1986 Nov;14(10):971–4

[Iron-creatinine ratio in basal urine. Its usefulness as a nutritional status indicator with relation to iron] Zeni S, et al. **Medicina (B Aires)** 1986;46(1):64–8 (Eng. Abstr.) **(Spa)**

IRON CHELATES

Interactions of T7 RNA polymerase with T7 late promoters measured by footprinting with methidiumpropyl-EDTA-iron(II). Gunderson SI, et al. **Biochemistry** 1987 Mar 24;26(6):1539–46

Siderophore mediated iron(III) uptake in Gliocladium virens. 2. Role of ferric mono- and dihydroxamates as iron transport agents. Jalal MA, et al. **J Inorg Biochem** 1987; 29(4):259–67

[Siderophores. I. Structural and physico-chemical studies] Pierre JL, et al. **Ann Pharm Fr** 1986;44(4):255–68 (98 ref.) (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Effectiveness of oral iron chelators assayed in the rat. Kim BK, et al. **Am J Hematol** 1987 Mar;24(3):277–84

1,2-Dimethyl-3-hydroxypyrid-4-one, an orally active chelator for treatment of iron overload. Kontoghiorghes GJ, et al. **Lancet** 1987 Jun 6;1(8545):1294–5

Dose response studies using desferrioxamine and orally active chelators in a mouse model. Kontoghiorghes GJ. **Scand J Haematol** 1986 Jul;37(1):63–70

ANALYSIS

Universal chemical assay for the detection and determination of siderophores. Schwyn B, et al. **Anal Biochem** 1987 Jan; 160(1):47–56

Characterization of 2,3-dihydroxybenzoic acid from Nocardia asteroides GUH-2. Feistner GJ, et al. **J Bacteriol** 1987 Sep;169(9):3982–7

BIOSYNTHESIS

Influence of iron on growth, morphology, outer membrane protein composition, and synthesis of siderophores in Campylobacter jejuni. Field LH, et al. **Infect Immun** 1986 Oct;54(1):126–32

Siderophore production by Pasteurella multocida. Hu SP, et al. **Infect Immun** 1986 Dec;54(3):804–10

CHEMICAL SYNTHESIS

Esters and lactones of phenolic amino carboxylic acids: prodrugs for iron chelation. Pitt CG, et al. **J Med Chem** 1986 Jul;29(7):1231–7

DIAGNOSTIC USE

Hepatobiliary MR contrast agents: 5-substituted iron-EHPG derivatives. Lauffer RB, et al. **Magn Reson Med** 1987 Jun; 4(6):582–90

Metal chelates as urographic contrast agents for magnetic resonance imaging. A comparative study. Marotti M, et al. **ROFO** 1987 Jan;146(1):89–93

METABOLISM

A new hydroxamate siderophore for iron supply of Salmonella. Rabsch W, et al. **Acta Microbiol Hung** 1987; 34(1):85–92

Induction of siderophore activity in Anabaena spp. and its moderation of copper toxicity. Clarke SE, et al. **Appl Environ Microbiol** 1987 May;53(5):917–22

Comparative study of iron mobilization from haemosiderin, ferritin and iron(III) precipitates by chelators. Kontoghiorghes GJ, et al. **Biochem J** 1987 Jan 1; 241(1):87–92

Exchange of iron by gallium in siderophores. Emery T. **Biochemistry** 1986 Aug 12;25(16):4629–33

Iron and the outcome of infection [editorial] Brock JH. **Br Med J [Clin Res]** 1986 Aug 30;293(6546):518–20

Replacement of transferrin in serum-free cultures of mitogen-stimulated mouse lymphocytes by a lipophilic iron chelator. Brock JH, et al. **Immunol Lett** 1987 May; 15(1):23–5

Cluster of genes controlling synthesis and activation of 2,3-dihydroxybenzoic acid in production of enterobactin in Escherichia coli. Nahlik MS, et al. **J Bacteriol** 1987 Sep; 169(9):4163–70

Aerobactin utilization by Neisseria gonorrhoeae and cloning of a genomic DNA fragment that complements Escherichia coli fhuB mutations. West SE, et al. **J Bacteriol** 1987 Aug; 169(8):3414–21

Evidence for the role of a siderophore in promoting Vibrio anguillarum infections. Wolf MK, et al. **J Gen Microbiol** 1986 Oct;132 (Pt 10):2949–52

Siderophore mediated iron(III) uptake in Gliocladium virens. 1. Properties of cis-fusarinine, trans-fusarinine, dimerum acid, and their ferric complexes. Jalal MA, et al. **J Inorg Biochem** 1986 Dec;28(4):417–30

Utilization of siderophores by Candida albicans. Ismail A, et al. **Mycopathologia** 1986 Nov;96(2):109–13

[Iron transport compounds (siderophores) in microorganisms] Mucke W, et al. **Z Gesamte Hyg** 1987 Mar;33(3):122–6 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effect of iron chelators on placental uptake and transfer of iron in rat. Wong CT, et al. **Am J Physiol** 1987 May;252(5 Pt 1):C477–82

The effect of EDTA-Fe(III) complexes with different chemical structure on the lipid peroxidation in brain microsomes. Marton A, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):211–7

Potentiation of hydroxyurea cytotoxicity by iron-chelating agent in murine tumor models in vitro. Satyamoorthy K, et al. **Cancer Drug Deliv** 1986 Summer;3(3):173–82

Plasmodium falciparum: inhibition in vitro with lactoferrin, desferriferrithiocin, and desferricrocin. Fritsch G, et al. **Exp Parasitol** 1987 Feb;63(1):1–9

Cytotoxic and DNA-inhibitory effects of iron chelators on human leukaemic cell lines. Kontoghiorghes GJ, et al. **Hematol Oncol** 1986 Jul–Sep;4(3):195–204

Effect of an iron chelator on the onset of hexachlorobenzene-induced porphyria in rats. Wainstok de Calmanovici R, et al. **IARC Sci Publ** 1986;(77):507–11

Iron chelation studies using desferrioxamine and the potential oral chelator, 1,2-dimethyl-3-hydroxypyrid-4-one, in normal and iron loaded rats. Kontoghiorghes GJ, et al. **J Clin Pathol** 1987 Apr;40(4):404–8

1,10 phenanthroline, a metal chelator, protects against alloxan- but not streptozotocin-induced diabetes. Eizirik DL, et al. **J Free Radic Biol Med** 1986;2(3):189–92

Orally active alpha-ketohydroxypyridine iron chelators: studies in mice. Kontoghiorghes GJ. **Mol Pharmacol** 1986 Dec;30(6):670–3

Antimalarial activity of selected aromatic chelators. IV. Cation uptake by Plasmodium falciparum in the presence of oxines and siderochromes. Scheibel LW, et al. **Mol Pharmacol** 1986 Oct;30(4):364–9

Role of iron in the proliferation of the established human tumor cell lines U-937 and K-562: effects of suramin and a lipophilic iron chelator (PIH). Forsbeck K, et al. **Scand J Haematol** 1986 Nov;37(5):429–37

PHYSIOLOGY

[Siderophores. II. Their biological role and value in human pathology and treatment] Favier A, et al. **Ann Pharm Fr** 1986;44(5):329–38 (30 ref.) (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Failure of deferoxamine, an iron chelator, to improve neurologic outcome following complete cerebral ischemia in dogs. Fleischer JE, et al. **Stroke** 1987 Jan–Feb; 18(1):124–7

IRON DEFICIENCY ANEMIA see **ANEMIA, HYPOCHROMIC**

IRON-DEXTRAN COMPLEX

ADMINISTRATION & DOSAGE

[Therapy of iron deficiency (letter)] Kaufmann T. **Dtsch Med Wochenschr** 1987 Aug 14;112(33):1277–8 **(Ger)**

ADVERSE EFFECTS

Exacerbation of rheumatoid synovitis by iron-dextran infusion [letter] Roberts D, et al. **Lancet** 1987 Feb 14; 1(8529):391

Mechanism of exacerbation of rheumatoid synovitis by total-dose iron-dextran infusion: in-vivo demonstration of iron-promoted oxidant stress. Winyard PG, et al. **Lancet** 1987 Jan 10;1(8524):69–72

DIAGNOSTIC USE

Ligand-free, protein-bound technetium-99m iron-dextran enhancement of technetium pyrophosphate uptake in tumours. Pojer PM, et al. **Nucl Med Commun** 1985 Jun; 6(6):359–63

METABOLISM

Structural variations in soluble iron complexes of models for ferritin: an x-ray absorption and Mössbauer spectroscopy comparison of horse spleen ferritin to Blutal (iron-chondroitin sulfate) and Imferon (iron-dextran). Yang CY, et al. **J Inorg Biochem** 1986 Dec;28(4):393–405

Accumulation and metabolism of iron-dextran by hepatocytes, Kupffer cells and endothelial cells in the neonatal pig liver. Caperna TJ, et al. **J Nutr** 1987 Feb; 117(2):312–20

PHARMACODYNAMICS

[Pharmaco-physiologic correlations of iron-dextran complexes in laboratory animals] Dilov P. **Vet Med Nauki** 1986;23(9):35–44 (Eng. Abstr.) **(Bul)**

THERAPEUTIC USE

[The effect of a single oral dose of iron-dextran for the prevention of anemia in suckling pigs] Glawischnig E, et al. **DTW** 1987 May 7;94(5):260–1 (Eng. Abstr.) **(Ger)**

IRON-SULFUR PROTEINS see under **METALLOPROTEINS**

IRRIGATION

Growth of four microorganisms in polyethylene glycol-electrolyte lavage solution. Akly TS, et al. **Am J Hosp Pharm** 1986 Dec;43(12):3013–6

Bronchoalveolar lavage in allergic asthmatics. Fick RB Jr, et al. **Am Rev Respir Dis** 1987 May;135(5):1204–9 (43 ref.)

Bronchoalveolar lavage does not alter airway responsiveness in asthmatic subjects. Kirby JG, et al. **Am Rev Respir Dis** 1987 Mar;135(3):554–6

Polyethylene glycol electrolyte lavage solution (PEG-ELS). A rapid, safe mechanical bowel preparation for colorectal surgery. Bowden TA Jr, et al. **Am Surg** 1987 Jan;53(1):34–6

Effect of bisacodyl on gut lavage cleansing for colonoscopy. Brady CE 3d, et al. **Ann Clin Res** 1987;19(1):34–8

Whole bowel irrigation for iron overdose [letter] Bock GW, et al. **Ann Emerg Med** 1987 Jan;16(1):137–8

Diagnostic peritoneal lavage vs CT [letter] Henneman PL, et al. **Ann Emerg Med** 1986 Dec;15(12):1509–10

Whole bowel irrigation as a decontamination procedure after acute drug overdose. Tenenbein M, et al. **Arch Intern Med** 1987 May;147(5):905–7

The treatment of generalized peritonitis by closed postoperative peritoneal lavage. A critical review of the literature. Leiboff AR, et al. **Arch Surg** 1987 Sep;

122(9):1005–10 (63 ref.)
Bronchoalveolar lavage in the asthmatic. Godard P, et al. **Bull Eur Physiopathol Respir** 1987 Jan–Feb;23(1):73–83 **(Eng, Fre)**
Abdominopelvic computerized tomography and open peritoneal lavage in patients with blunt abdominal trauma: a prospective study. Pagliarello G, et al. **Can J Surg** 1987 Jan;30(1):10–3
Bronchoalveolar lavage can be clinically useful [editorial] Baughman RP, et al. **Chest** 1986 Dec;90(6):791–2
Detection of pulmonary lymphoma by bronchoalveolar lavage. Davis WB, et al. **Chest** 1987 May;91(5):787–90
Patients with collagen vascular disease and dyspnea. The value of gallium scanning and bronchoalveolar lavage in predicting response to steroid therapy and clinical outcome. Greene NB, et al. **Chest** 1987 May;91(5):698–703
Diagnosis of parenchymal Hodgkin's disease using bronchoalveolar lavage. Morales FM, et al. **Chest** 1987 May;91(5):785–7
Bronchoalveolar lavage in the diagnosis of pulmonary lymphomas [editorial] Myers JL, et al. **Chest** 1987 May; 91(5):642–3
Effect of water irrigations on human colonic mucosa structure after sigmoidostomy. Galliani I, et al. **Dis Colon Rectum** 1987 Jun;30(6):453–6
Effects of intraocular perfusion with two alternating irrigation solutions on the simultaneously recorded electroretinogram of albino rabbits. Textorius O, et al. **Doc Ophthalmol** 1986 Nov 15;63(4):349–58
Pulmonary clearance of inhaled 99mTc-DTPA: effects of surfactant depletion by lung lavage. Evander E, et al. **J Appl Physiol** 1987 Apr;62(4):1611–4
Sodium hyaluronate exchange in posterior chamber lens implantation. Davison JA. **J Cataract Refract Surg** 1986 Nov;12(6):674–7
Particulate and microbial contamination of intraocular irrigation solutions. Neumann AC. **J Cataract Refract Surg** 1986 Sep;12(5):485–8
Poststernotomy mediastinitis treated by omental transfer without postoperative irrigation or drainage. Heath BJ, et al. **J Thorac Cardiovasc Surg** 1987 Sep;94(3):355–60
Selective peritoneal lavage in the management of comatose blunt trauma patients [letter] Trott A. **J Trauma** 1986 Oct; 26(10):950
Twenty-five-year follow-up of a patient treated with lung lavage for pulmonary alveolar proteinosis [letter] Green D, et al. **N Engl J Med** 1987 Sep 24;317(13):839–40
Timing of initial probing and irrigation in congenital nasolacrimal duct obstruction. Katowitz JA, et al. **Ophthalmology** 1987 Jun;94(6):698–705
The effects of pulsed fluid irrigation on bony ingrowth in porous polyethylene implants. Ritter MA, et al. **Orthopedics** 1987 Feb;10(2):285–8
Commentary for "Salvage of infected cardiac pacemaker pockets using a closed irrigation system" [editorial] Goldman BS. **PACE** 1986 Nov;9(6 Pt 1):915–6
Bronchial lavage in patients with cystic fibrosis: a critical review of current knowledge. Sherman JM. **Pediatr Pulmonol** 1986 Jul–Aug;2(4):244–6 (18 ref.)
Bronchoalveolar lavage: radiographic manifestations. Gurney JW, et al. **Radiology** 1987 Apr;163(1):71–4
Experimental whole gut irrigation in the rat. Ruijs GJ, et al. **Scand J Infect Dis** 1986;18(5):469–75
A prospective randomized study of continuous peritoneal lavage postoperatively in the treatment of purulent peritonitis. Hallerbäck B, et al. **Surg Gynecol Obstet** 1986 Nov;163(5):433–6
[Cleansing of the colon prior to double-contrast examination] Bellstrøm T, et al. **Ugeskr Laeger** 1987 May 11; 149(20):1309–10 (Eng. Abstr.) **(Dan)**
[Value of joint irrigation following puncture of hemarthrosis] Machan FG, et al. **Z Aratl Fortbild (Jena)** 1987;81(6):261–3 **(Ger)**
[Periodic irrigation and coloscopy in patients with colostomy] Sciallero S, et al. **Minerva Chir** 1987 Mar 15; 42(5):391–4 (Eng. Abstr.) **(Ita)**
[Analysis of the host defense mechanism of the broncho-alveolar system, and pathogenesis of chronic airway disease by the lavage methods with special reference to local specificity] Yasuoka S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Nov; 24(11):1216–20 (Eng. Abstr.) **(Jpn)**
[Bronchoalveolar lavage in the diagnosis of miliary tuberculosis (letter)] Nigro C, et al. **Medicina (B Aires)** 1986;46(1):122–3 **(Spa)**

ADVERSE EFFECTS

Hydropneumothorax—an unusual complication of lung lavage. Hudes ET, et al. **Can Anaesth Soc J** 1986 Sep; 33(5):662–5
Hepatitis B antigen in joint irrigation fluid. A hazard for hospital personnel. Koornneef M, et al. **J Bone Joint Surg [Br]** 1987 Aug;69(4):662–3
Bacteremia during bronchoalveolar lavage. Balk RA, et al. **South Med J** 1986 Dec;79(12):1496–8
[Effect of osmolality of the irrigation fluid on water intoxication during transurethral resection of the prostate] Takenaka T, et al. **Masui** 1986 Nov;35(11):1722–6 (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

Experimental measurement of impact pressures delivered by oral water irrigation devices. Kesavan SK, et al. **IEEE Trans Biomed Eng** 1986 Sep;33(9):898–900
The Swiss cannula—a new type of irrigation/aspiration cannula. Gruber H, et al. **J Cataract Refract Surg** 1986 Sep;12(5):542
The Wiet/Meikle suction irrigation system. Wiet RJ, et al. **Otolaryngol Head Neck Surg** 1986 Sep;95(2):249–50
Surgical drill irrigation [letter] Izaguirre H, et al. **Plast Reconstr Surg** 1986 Nov;78(5):695–6
A new abdominal drain for overflowing lavage in instances of severe pancreatitis with persistent peritoneal contamination. Meyer P, et al. **Surg Gynecol Obstet** 1987 Sep;165(3):271–3
Disposable Frazier neurosurgery suction tip as intrarenal stone irrigator. Gelbard MK. **Urology** 1987 May;:44
Pumpball irrigation device for three-way Foley catheter. Rich M, et al. **Urology** 1987 Jul;30(1):77–8

METHODS

An evaluation of the bladder wash-out test and the anti-body-coated bacteria test for the localization of a urinary tract infection in patients with and without a neurogenic bladder. Wyndaele JJ, et al. **Acta Urol Belg** 1986;54(4):471–6
Wound infection following high-pressure syringe and needle irrigation [letter] Longmire AW, et al. **Am J Emerg Med** 1987 Mar;5(2):179–81
Management of diffuse peritonitis by prolonged postoperative peritoneal lavage. O'Brien PE, et al. **Aust NZ J Surg** 1987 Mar;57(3):181–4
Speeding up colonic lavage. Bradnock B. **Br J Surg** 1987 Jun;74(6):464
Notes on "on table" lavage.Donaldson DR, et al. **Br J Surg** 1987 Jun;74(6):465
Technical modifications making on-table washout easier. Simpson AH, et al. **Br J Surg** 1987 Jun;74(6):464
A technique for isolated airway segment lavage. Eschenbacher WL, et al. **Chest** 1987 Jul;92(1):105–9
Continuous catheter irrigation for the treatment of suppurative flexor tenosynovitis. Delsignore JL, et al. **Conn Med** 1986 Aug;50(8):503–6
Comparison of oral lavage methods for preoperative colonic cleansing. Beck DE, et al. **Dis Colon Rectum** 1986 Nov; 29(11):699–703
Preparation for elective colorectal surgery. A randomized, blinded comparison between oral colonic lavage and whole-gut irrigation. Dueholm S, et al. **Dis Colon Rectum** 1987 May;30(5):360–4
Intraoperative high-flow antegrade irrigation [letter] Laura EA. **Dis Colon Rectum** 1987 Mar;30(3):227
Role of transoral irrigation in mediastinitis due to hypopharyngeal perforation. Santos GH, et al. **Head Neck Surg** 1986 Nov–Dec;9(2):116–21
Justification of closed intermittent urinary catheter irrigation/instillation: a review of current research and practice. Burgener S. **J Adv Nurs** 1987 Mar;12(2):229–34
An improved method for recovery of secretory immunoglobulins and lymphocytes from the nasal mucosa. Holmes MJ, et al. **J Immunol Methods** 1987 Apr 16; 98(2):183–7
Continuous irrigation of the breast [letter] Nigro DM. **Plast Reconstr Surg** 1987 Feb;79(2):305–6
The utility of platelet washing using an automated procedure for severe platelet allergic reactions. Buck SA, et al. **Transfusion** 1987 Sep–Oct;27(5):391–3
[Peroral irrigation compared with rectal intestinal irrigation. A prospective study on patients before surgery] Tønnesen H, et al. **Ugeskr Laeger** 1987 Jan 26;149(5):285–6 (Eng. Abstr.) **(Dan)**
[Whole bowel irrigation as preparation for colorectal surgery] Beaurang J, et al. **Acta Chir Belg** 1986 Nov–Dec; 86(6):329–32 (Eng. Abstr.) **(Dut)**
[The value of maxillary sinus irrigation in children with maxillary sinusitis using the Waters film] Maes JJ, et al. **Acta Otorhinolaryngol Belg** 1986;40(4):570–81 (Eng. Abstr.) **(Dut)**
[Peritoneal lavage fr diagnosing intra-abdominal lesions in patients with multiple trauma (letter)] Hoynck van Papendrecht HP. **Ned Tijdschr Geneeskd** 1987 Jul 18; 131(29):1281 **(Dut)**
[Antegrade lavage during surgery for disorders of the left colon (letter)] Schagen van Leeuwen J. **Ned Tijdschr Geneeskd** 1986 Nov 29;130(48):2191 **(Dut)**
[Peritoneal lavage for the diagnosis of intra-abdominal lesions in multiple-trauma patients] van der Werken C, et al. **Ned Tijdschr Geneeskd** 1987 May 2;131(18):762–5 (Eng. Abstr.) **(Dut)**
[Technic and method of broncho-alveolar lavage in interstitial lung diseases] Costabel U. **Schweiz Med Wochenschr** 1986 Sep 13;116(37):1238–44 (Eng. Abstr.) **(Ger)**
[Some observations on fluid movement in a model of closed irrigation drainage] Turčić J, et al. **Unfallchirurg** 1987 Mar; 90(3):139–43 (Eng. Abstr.) **(Ger)**

IRRITABLE BOWEL SYNDROME see **COLONIC DISEASES, FUNCTIONAL**

IRRITABLE MOOD see under **EMOTIONS**

IRRITANTS

Irritation and staining by dithranol (anthralin) and butantrone (10-butyryl dithranol): further short contact and tape stripping experiments. Göransson A. **Acta Derm Venereol (Stockh)** 1987;67(1):72–6
Formaldehyde-related health complaints of residents living in mobile and conventional homes. Ritchie IM, et al. **Am J Public Health** 1987 Mar;77(3):323–8
Stimulation of C fibers by ammonia vapor triggers mucociliary defense reflex. Lindberg S, et al. **Am Rev Respir Dis** 1987 May;135(5):1093–8
Irritancy and anti-inflammatory activity of bis(eta 5-cyclopentadienyl)titanium(IV) complexes in rats. Fairlie DP, et al. **Chem Biol Interact** 1987 Mar;61(3):277–91
Animal model for assessment of skin irritancy. Anderson C, et al. **Contact Dermatitis** 1986 Sep;15(3):143–51
Irritation, sensitization, photoirritation and photosensitization assays with a glyphosate herbicide. Maibach HI. **Contact Dermatitis** 1986 Sep;15(3):152–6
Is benzoyl peroxide an irritant or sensitizer? Mora Morillas I, et al. **Contact Dermatitis** 1987 Apr;16(4):232–3
Differentiation of allergic and irritant reactions by transepidermal water loss. Serup J, et al. **Contact Dermatitis** 1987 Mar;16(3):129–32
Irritant potential of dithranol. Haustein UF, et al. **Dermatologica** 1986;173(6):288–93
Prediction of ocular irritation by corneal pachymetry. Morgan RL, et al. **Food Chem Toxicol** 1987 Aug; 25(8):609–13
A hierarchical approach to the assessment of dermal and ocular irritancy: a report by the British Toxicology Society Working Party on Irritancy. Fielder RJ, et al. **Hum Toxicol** 1987 Jul;6(4):269–78
Irritancy testing under review [editorial] Zbinden G. **Hum Toxicol** 1987 Jul;6(4):263–4
Sensory irritation of methylisocyanate vapor. James JT, et al. **J Appl Toxicol** 1987 Apr;7(2):147–8
[Personal experiences in naturopathy. The proven value of bandages and compresses. Plant externa (I): Phlogistic agents] Zimmermann W. **Fortschr Med** 1987 Aug 10; 105(23):23–4 **(Ger)**
[The irritative potency of disinfectants] Bandemir B. **Pharmazie** 1986 Jul;41(7):506–8 (Eng. Abstr.) **(Ger)**
[Toxicological studies on sophorolipid derivatives. (I). Acute toxicity, eye irritation, primary skin irritation, skin sensitization, phototoxicity, photosensitization, mutagenicity of polyoxypropylene (12) [(2'-0-beta-D-glucopyranosyl-beta-D-glucopyranosyl)= oxy-] fatty acid ester-] Ikeda Y, et al. **J Toxicol Sci** 1986 Aug;11(3):197–211 (Eng. Abstr.) **(Jpn)**
[Toxicological studies on sophorolipid derivatives. (II). Subacute toxicity study of polyoxypropylene (12) [2'-0-beta-D-glucopyranosyl-beta-D-glucopyranosyl) oxy-] fatty acid ester-] Ikeda Y, et al. **J Toxicol Sci** 1986 Aug;11(3):213–24 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Respiratory symptoms and bronchial reactivity [letter] Howell JB, et al. **Br Med J [Clin Res]** 1986 Dec 13; 293(6561):1568–9
Prevention of irritant dermatitis. Fischer T. **State Art Rev Occup Med** 1986 Apr–Jun;1(2):335–42 (13 ref.)
The role of atopy in occupational skin diseases. Shmunes E. **State Art Rev Occup Med** 1986 Apr–Jun;1(2):219–28 (37 ref.)

ANALYSIS

Eye and respiratory irritants in jet engine exhaust. Miyamoto Y. **Aviat Space Environ Med** 1986 Nov;57(11):1104–8

ANTAGONISTS & INHIBITORS

Acetylsalicylic acid inhibits non-immunologic contact urticaria. Lahti A, et al. **Contact Dermatitis** 1987 Mar; 16(3):133–5

ISOLATION & PURIFICATION

On the active principles of the Euphorbiaceae, XII. Highly unsaturated irritant diterpene esters from Euphorbia tirucalli originating from Madagascar. Fürstenberger G, et al. **J Nat Prod** 1986 May–Jun;49(3):386–97

PHARMACODYNAMICS

Protection by mild irritants against indomethacin-induced gastric mucosal damage in the rat: role of prostaglandin synthesis. Ligumsky M, et al. **Isr J Med Sci** 1986 Nov; 22(11):807–11
Transport of Eimeria necatrix sporozoites in the chicken: effects of irritants injected intraperitoneally. Al-Attar MA, et al. **J Parasitol** 1987 Jun;73(3):494–502
Enhancement of responses to sequential presentation of oral chemical irritants. Stevens DA, et al. **Physiol Behav** 1987; 39(1):63–5
[Naloxone does not modify the anti-inflammatory effect of counter-irritation with turpentine] Seghaye R, et al. **C R Soc Biol (Paris)** 1986;180(3):386–9 (Eng. Abstr.) **(Fre)**
[Effect of eicosapentaenoic acid and arachidonic acid on mouse peritoneal exudate cells and its characteristics]

Kurata M, et al. **Yakugaku Zasshi** 1986 Nov;106(11):1040–4 (Eng. Abstr.) **(Jpn)**

POISONING

[Treatment of lesions of the respiratory organs and the eyes in inhalational poisoning by irritants] Savvaitova NI, et al. **Sov Med** 1986;(8):81–3 **(Rus)**

TOXICITY

Predictive value of ocular irritation tests. Duprat P, et al. **Adv Vet Sci Comp Med** 1987;31:173–95 (72 ref.)

Tumor-producing and skin-irritating activity of dithranol (anthralin) and its 10-acyl analogues in SENCAR mice. Viluksela M, et al. **Carcinogenesis** 1986 Oct;7(10):1755–60

The acute toxicity and primary irritancy of 2,4-pentanedione. Ballantyne B, et al. **Drug Chem Toxicol** 1986;9(2):133–46

The chorioallantoic membrane in irritation testing. Lawrence RS, et al. **Food Chem Toxicol** 1986 Jun–Jul;24(6–7):497–502

An in vitro skin corrosivity test—modifications and validation. Oliver GJ, et al. **Food Chem Toxicol** 1986 Jun–Jul;24(6–7):507–12

Evaluation of in vitro predictive tests for irritation and allergic sensitization. Parish WE. **Food Chem Toxicol** 1986 Jun–Jul;24(6–7):481–94 (77 ref.)

Influence of phagocyte-derived active oxygen species in tissue responses to tumour promoters and irritants. Phillips BJ, et al. **Food Chem Toxicol** 1986 Jun–Jul;24(6–7):681–3

An in vitro model for assessing muscle irritation due to parenteral antibiotics. Williams PD, et al. **Fundam Appl Toxicol** 1987 Jul;9(1):10–7

Keratinocyte expression of MHC class II antigens in allergic sensitization and challenge reactions and in irritant contact dermatitis. Gawkrodger DJ, et al. **J Invest Dermatol** 1987 Jan;88(1):11–6

Corneal epithelial wound closure in tissue culture: an in vitro model of ocular irritancy. Simmons SJ, et al. **Toxicol Appl Pharmacol** 1987 Mar 30;88(1):13–23

A composite model for multiple assays of skin irritation. Cruzan G, et al. **Toxicol Ind Health** 1986 Sep;2(3):309–20

[Rapid establishment of the MPEL of complex mixtures having selective irritant action] Ivanov NG, et al. **Gig Tr Prof Zabol** 1986 Aug;(8):5–9 (Eng. Abstr.) **(Rus)**

IS ELEMENTS see **DNA INSERTION ELEMENTS**

ISATIN see under **INDOLES**

ISCHEMIA

Vasodilator prostaglandins (PG) prevent renal damage after ischemia. Kaufman RP Jr, et al. **Ann Surg** 1987 Feb; 205(2):195–8

Identification of risk factors for spinal cord ischemia by the use of monitoring of somatosensory evoked potentials during coarctation repair. Dasmahapatra HK, et al. **Circulation** 1987 Sep;76(3 Pt 2):III14–8

Preconditioning with ischemia: a delay of lethal cell injury in ischemic myocardium. Murry CE, et al. **Circulation** 1986 Nov;74(5):1124–36

Ciclosporin and ischemia time in renal transplant. Vegeto A, et al. **Contrib Nephrol** 1986;51:137–9

Prevention and treatment of ischemia of the liver. Hasselgren PO. **Surg Gynecol Obstet** 1987 Feb;164(2):187–96 (117 ref.)

Safety of hemihepatic vascular occlusion during resection of the liver. Makuuchi M, et al. **Surg Gynecol Obstet** 1987 Feb;164(2):155–8

Limiting factors in successful preservation of cadaveric kidneys with ischemia time exceeding 50 hours. Abouna GM, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2051–5

The effect of cyclosporine on the early postoperative function of allografted kidneys with warm ischemic damage. Ohshima S, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2081–4

BLOOD

Delayed skin oxygenation following distal tibial revascularization (DTR). Implications for wound healing in late amputations. Rhodes GR, et al. **Am Surg** 1986 Oct; 52(10):519–25

Myoadenylate deaminase deficiency and forearm ischemic exercise testing. Valen PA, et al. **Arthritis Rheum** 1987 Jun; 30(6):661–8

Oxygen inhalation induced changes in the skin as measured by transcutaneous oxymetry. McCollum PT, et al. **Br J Surg** 1986 Nov;73(11):882–5

Leukocytes and the risk of ischemic diseases. Ernst E, et al. **JAMA** 1987 May 1;257(17):2318–24 (82 ref.)

Contribution of pancreatic edema and short-term ischemia to experimental acute pancreatitis in the rat. II. Behaviour of serum parameters. Sokolowski A, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(6):331–9

[Changes in biochemical parameters of the blood after experimental devitalization of the intestines] Fortýn K, et al. **Cas Lek Cesk** 1987 Mar 6;126(10):303–5 (Eng. Abstr.) **(Cze)**

[Determination of the amputation level by transcutaneous PO2 measurement and distal arterial systolic pressure] Depairon M, et al. **J Mal Vasc** 1986;11(3):229–34 (Eng. Abstr.) **(Fre)**

[Hyperlactacidemia in intestinal ischemia. I. Theoretical considerations] Nutz V, et al. **Langenbecks Arch Chir** 1987; 370(2):63–8 (Eng. Abstr.) **(Ger)**

[Hyperlactacidemia in intestinal ischemia. II. Experimental principles] Nutz V, et al. **Langenbecks Arch Chir** 1987; 370(2):69–78 (Eng. Abstr.) **(Ger)**

[Induced platelet aggregation in patients with healthy vessels and patients with stage II chronic arterial occlusive disease] Staiger J, et al. **Vasa** 1986;15(4):387–91 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Ischaemic colitis in a patient treated with glypressin for bleeding oesophageal varices. Schmitt W, et al. **Hepatogastroenterology** 1987 Jun;34(3):134–6

Ischemic optic neuropathy secondary to intracarotid infusion of BCNU. Pickrell L, et al. **J Clin Neuro Ophthalmol** 1987 Jun;7(2):87–92

Retinal toxicity secondary to intraocular gentamicin injection. McDonald HR, et al. **Ophthalmology** 1986 Jul; 93(7):871–7

Intestinal ischemia and infarction associated with oral contraceptives. Schneiderman DJ, et al. **West J Med** 1986 Sep;145(3):350–5

[Disorders of the blood supply in the femur following the cementing of endoprostheses—a study in dogs] Lüthi UK, et al. **Aktuel Probl Chir Orthop** 1987;31:184–7 **(Ger)**

[Risk of arterial vasospasms caused by the administration of dihydroergotamine (Dihytamin)—a case report] Lange T. **Anaesthesiol Reanim** 1987;12(3):177–81 (Eng. Abstr.) **(Ger)**

[Arterial vasospasm as a complication of the prevention of thromboembolism with heparin-dihydroergotamine and its treatment] Schott G, et al. **Zentralbl Chir** 1986; 111(21):1354–7 **(Ger)**

[Apropos of a case of severe ischemia of the legs caused by ergotamine tartrate] Basilico V, et al. **Minerva Chir** 1987 Mar 31;42(6):503–6 (Eng. Abstr.) **(Ita)**

[Remestyp Spofa and ischemic liver damage] Olejník J, et al. **Rozhl Chir** 1987 Jun;66(6):413–6 (Eng. Abstr.) **(Slo)**

[Acute ischemia of the extremities: apropos of a case of ergotamine tartrate poisoning] Ibáñez Esquembre V, et al. **Angiologia** 1986 Nov–Dec;38(6):315–9 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

[Clinical classification of ischemia of the digestive organs] Sedov VM. **Klin Med (Mosk)** 1987 May;65(5):81–5 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Liver susceptibility to ischaemia in spontaneously hypertensive rats. Wennberg E, et al. **Acta Anaesthesiol Scand** 1986 Jul;30(5):361–5

Lack of casual relationship between medullary blood congestion and tubular necrosis in postischaemic kidney damage. Andersson G, et al. **Acta Physiol Scand** 1987 Jul; 130(3):429–32

Renal capillary permeability and intravascular red cell aggregation after ischaemia. I. Effects of xanthine oxidase activity. Ojteg G, et al. **Acta Physiol Scand** 1987 Mar; 129(3):295–304

Ischemic injury to the spinal cord as a cause of transient paraplegia. Howell JM, et al. **Am J Emerg Med** 1987 May; 5(3):217–9

Low fractional excretion of sodium in acute renal failure: role of timing of the test and ischemia. Brosius FC, et al. **Am J Nephrol** 1986;6(6):450–7

Posterior ischemic optic neuropathy during general surgery. Rizzo JF 3d, et al. **Am J Ophthalmol** 1987 Jun 15; 103(6):808–11

The influence of sepsis and ischemia on the natural history of the diabetic foot. Klamer TW, et al. **Am Surg** 1987 Sep; 53(9):490–4

Ischaemic dilatation of the colon. Carr ND, et al. **Ann R Coll Surg Engl** 1986 Sep;68(5):264–6

Successful treatment of osteomyelitis and soft tissue infections in ischemic diabetic legs by local antibiotic injections and the end-diastolic pneumatic compression boot. Dillon RS. **Ann Surg** 1986 Dec;204(6):643–9

Crush syndrome due to limb compression. Kikta MJ, et al. **Arch Surg** 1987 Sep;122(9):1078–81

Dextrose administration exacerbates acute renal ischemic damage in anesthetized dogs. Moursi M, et al. **Arch Surg** 1987 Jul;122(7):790–4

Perforated colon from ischaemia complicating a normal pregnancy [letter] Woo J. **Aust NZ J Obstet Gynaecol** 1986 May;26(2):163

Ischaemic optic neuropathy complicating cardiopulmonary bypass. Larkin DF, et al. **Br J Ophthalmol** 1987 May; 71(5):344–7

Spontaneous passage of a colon 'cast' in a patient with ischaemic colitis. Gregory PJ, et al. **Br J Surg** 1987 May; 74(5):436

The influence of ischemia on 131I-Hippuran renograms performed after kidney transplantation and its prognostic value. Jørgensen JI, et al. **Dan Med Bull** 1987 Mar; 34(1):52–7

Inflammatory polyposis two years after ischemic colon injury. Levine DS, et al. **Dig Dis Sci** 1986 Oct; 31(10):1159–67

Surgical management of late post-traumatic and ischemic neuropathies involving the lower extremities: classification and results of therapy. Lusskin R, et al. **Foot Ankle** 1986 Oct;7(2):95–104

Chronic ischemic gastritis reversed after revascularization operation. Højgaard L, et al. **Gastroenterology** 1987 Jan; 92(1):226–8

Oxygen-induced retinopathy in newborn kittens. A model for ischemic vasoproliferative retinopathy. Kremer I, et al. **Invest Ophthalmol Vis Sci** 1987 Jan;28(1):126–30

Pathophysiology and pathogenesis of stunned myocardium. Depressed Ca2+ activation of contraction as a consequence of reperfusion-induced cellular calcium overload in ferret hearts. Kusuoka H, et al. **J Clin Invest** 1987 Mar;79(3):950–61

In vitro and in vivo protective effect of atriopeptin III on ischemic acute renal failure. Nakamoto M, et al. **J Clin Invest** 1987 Sep;80(3):698–705

Pseudohemangioma of the optic disc following ischemic optic neuropathy. Smith JL. **J Clin Neuro Ophthalmol** 1985 Jun;5(2):81–9

Fracture and ischemic necrosis of the immature scaphoid. Larson B, et al. **J Hand Surg [Am]** 1987 Jan;12(1):122–7

Dietary protein prior to renal ischemia dramatically affects postischemic kidney function. Andrews PM, et al. **Kidney Int** 1986 Sep;30(3):299–303

Impaired renal acidification following acute renal ischemia in the dog. Winaver J, et al. **Kidney Int** 1986 Dec; 30(6):906–13

Angiotensin converting enzyme inhibition and acute tubular necrosis. Burke TJ, et al. **Kidney Int [Suppl]** 1987 May; 20:S143–7 (39 ref.)

Contiguous development of idiopathic osteonecrosis and osteoarthrosis in ischemia of a femoral head (radiological and morphological study). Jacqueline F, et al. **Pathol Res Pract** 1986 Aug;181(4):456–63

Cryofibrinogenaemia and acute gangrene in systemic sclerosis. Barrett MC, et al. **Postgrad Med J** 1986 Oct; 62(732):935–6

Case report 430: Ischemic necrosis of osteochondroma of tibia. Unger EC, et al. **Skeletal Radiol** 1987;16(5):416–21

The effect of operative ischemia in murine cardiac transplantation: isograft control studies. Smith JA, et al. **Surgery** 1987 Jan;101(1):86–90

Study of ischemic effect on canine pancreas. Lin SL, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Mar;86(3):307–13

Renal morphology and function and urine electrolytes in experimental acute renal failure produced by cyclosporine and ischemia. Kone BC, et al. **Uremia Invest** 1985–86; 9(2):119–26

Contribution of pancreatic edema and short-term ischemia to experimental acute pancreatitis in the rat. I. Procedure and pathomorphological investigations. Spormann H, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(6):323–30

[Ischemic colitis] Verkerk GG, et al. **Ned Tijdschr Geneeskd** 1987 Mar 7;131(10):391–4 **(Dut)**

[Cranial nerve vascular syndromes caused by ischemia, cerebral trunk excepted] Lapresle J, et al. **Bull Acad Natl Med (Paris)** 1986 Jun;170(6):797–802 (Eng. Abstr.) **(Fre)**

[Eales' syndrome. Clinical aspects, therapeutic indications and course of 29 cases] Moyenin P, et al. **J Fr Ophtalmol** 1987;10(2):123–8 (Eng. Abstr.) **(Fre)**

[Subacute ischemia of the lower limbs in a patient with Klinefelter's syndrome (letter)] Saupin V, et al. **Presse Med** 1987 Jun 6;16(21):1056–7 **(Fre)**

[Does pure-tone audiometry provide inferences for a vascular cause of sudden deafness?] Welleschik B, et al. **HNO** 1987 Mar;35(3):119–27 (Eng. Abstr.) **(Ger)**

[Gangrene of the forefoot in disseminated lupus erythematosus with involvement of the large arteries of the extremity] Meske S, et al. **Med Klin** 1986 Oct 31; 81(22):726–30 **(Ger)**

[Hemorrhagic colitis, gastritis, hematuria and rhabdomyolysis in a jogger: a global ischemia syndrome?] Heer M, et al. **Schweiz Rundsch Med Prax** 1986 Dec 9;75(50):1538–40 (Eng. Abstr.) **(Ger)**

[Ulcerative colitis accompanied by ischemic colitis: a report of 2 cases] Usui Y, et al. **Rinsho Hoshasen** 1986 Dec; 31(13):1561–4 (Eng. Abstr.) **(Jpn)**

[Treatment of peripheral arterial disease with prostacyclin. I. Effect of prostacyclin on the healing of ischemic ulcers of the lower extremities] Niżankowski R. **Kardiol Pol** 1986; 29(3):209–17 (Eng. Abstr.) **(Pol)**

[Ischemic enterocolitis—diagnostic difficulties] Hartleb M, et al. **Pol Tyg Lek** 1987 Apr 13;42(15):439–42 (Eng. Abstr.) **(Pol)**

[Treatment of ischemic ulcers of the extremities with intravenous intermittent infusions of prostacycline] Niżankowski R, et al. **Pol Tyg Lek** 1986 Dec 15; 41(50):1582–4 **(Pol)**

[Reconsideration of the vascular factor in gastric and duodenal ulcer] Panaitescu G, et al. **Rev Med Interna [Med Interna]** 1987 Jan–Mar;39(1):1–6 (30 ref.) (Eng. Abstr.) **(Rum)**

[Redistribution of erythrocytes in the rat mesenteric microcirculation during reperfusion following short-term ischemia] Khugaeva VK. **Biull Eksp Biol Med** 1986 Nov; 102(11):539–42 (Eng. Abstr.) **(Rus)**

[Specific indicators of damage to muscle tissue and nonspecific criteria of endogenous intoxication in patients with acute arterial ischemia of the extremities] Golikov PP, et al. **Lab Delo** 1987;(6):454–7 (Eng. Abstr.) **(Rus)**

[Diagnosis of compression stenosis of the celiac trunk in

ischemic ulcers of the stomach and duodenum] Potashov LV, et al. **Vestn Rentgenol Radiol** 1986 Sep-Oct;(5):19-22 (Eng. Abstr.) **(Rus)**

[Chronic ischemic ulcer secondary to African anemia. Presentation of a case] Enrique Ochoa J, et al. **Bol Med Hosp Infant Mex** 1987 May;44(5):278-82 (Eng. Abstr.) **(Spa)**

[Early endoscopic diagnosis of ischemic colitis] Lima Montero A, et al. **Rev Esp Enferm Apar Dig** 1986 Oct; 70(4):317-9 (Eng. Abstr.) **(Spa)**

CONGENITAL

Ischaemic gangrene of leg due to ring constriction: a case report. Thambi Dorai CR. **Med J Malaysia** 1986 Jun; 41(2):173-5

DIAGNOSIS

Peripheral arterial disease--natural outcome. Lassila R, et al. **Acta Med Scand** 1986;220(4):295-301

Colonic ischemia after aorto-iliac surgery. Cormier JM. **Ann Gastroenterol Hepatol (Paris)** 1986 Nov;22(6):321-5 **(Eng, Fre)**

Ischemic pathology of the colon. Rampal P, et al. **Ann Gastroenterol Hepatol (Paris)** 1986 Nov;22(6):327-31 **(Eng, Fre)**

The use of infrared photoplethysmography in identifying early intestinal ischemia. Pearce WH, et al. **Arch Surg** 1987 Mar;122(3):308-10

Acute superior mesenteric ischaemia. Wilson C, et al. **Br J Surg** 1987 Apr;74(4):279-81

Persistent mesenteric ischaemia in a young woman [letter] Hartnell GG. **Br Med J [Clin Res]** 1987 Jul 11; 295(6590):121

Sporadic hemorrhagic colitis associated with Escherichia coli, type O157:H7: unusual presentation mimicking ischemic colitis. Dalal BI, et al. **Can J Surg** 1987 May; 30(3):207-8

Ischemic injury to renal allografts studied by gamma camera technique using 123I-hippuran. Magnusson G, et al. **Contrib Nephrol** 1987;56:178-85

Acute occlusive intestinal ischemia studied by phosphorus-31 nuclear magnetic resonance. Blum H, et al. **Curr Surg** 1986 Nov-Dec;43(6):482-5

Extraluminal and intraluminal PCO2 levels in the ischemic intestines of rabbits [correction of rats]. Cunningham JA, et al. **Curr Surg** 1987 May-Jun;44(3):229-32

The use of tonometry in the early diagnosis of mesenteric ischemia. Poole JW, et al. **Curr Surg** 1987 Jan-Feb; 44(1):21-4

Noninvasive determination of skin perfusion pressure using a laser Doppler. Castronuovo JJ Jr, et al. **J Cardiovasc Surg (Torino)** 1987 May-Jun;28(3):253-7

Gastrocnemius compression sign in arterial insufficiency of the leg. Mozes M, et al. **J Cardiovasc Surg (Torino)** 1987 May-Jun;28(3):277-8

Digital subtraction angiography versus noninvasive testing in the vascular assessment of the ischemic foot. Silver K, et al. **J Foot Surg** 1987 May-Jun;26(3):217-21

Pulmonary metabolic function can serve as a monitor for lung preservation. Hammond GL, et al. **J Heart Transplant** 1986 Jan-Feb;5(1):23-8

The value of laser Doppler velocimetry and transcutaneous oxygen tension determination in predicting healing of ischemic forefoot ulcerations and amputations in diabetic and nondiabetic patients. Karanfilian RG, et al. **J Vasc Surg** 1986 Nov;4(5):511-6

Chronic intestinal ischemia: diagnosis and therapy. Stanton PE Jr, et al. **J Vasc Surg** 1986 Oct;4(4):338-44

Magnetic resonance spectroscopy in ischaemic feet [letter] Hands LJ, et al. **Lancet** 1986 Dec 13;2(8520):1391

Non-invasive assessment of lower limb ischaemia by blood velocity wave-form analysis. Capper WL, et al. **S Afr Med J** 1987 Jun 6;71(11):695-8

Assessment of small-bowel ischemia by laser Doppler flowmetry. Some case reports. Johansson K, et al. **Scand J Gastroenterol** 1986 Nov;21(9):1147-52

[Severe algodystrophy of the foot simulating ischemic arteriopathy. Spectacular cure by regional sympathetic block with guanethidine] Doury P, et al. **Ann Med Interne (Paris)** 1987;138(1):45-8 (Eng. Abstr.) **(Fre)**

[Localized hepatic ischemia (letter)] Gayraud M, et al. **Ann Med Interne (Paris)** 1987;138(3):220 **(Fre)**

[Ischemic ophthalmopathy] Jungmann P, et al. **Fortschr Ophthalmol** 1987;84(3):273-4 (Eng. Abstr.) **(Ger)**

[Pathogenesis, clinical aspects and noninvasive diagnosis of acute hepatic ischemia in shock conditions] Wegener M, et al. **Med Klin** 1986 Dec 12;81(25-26):832-5 (Eng. Abstr.) **(Ger)**

[Diagnosis, prognosis and functional evaluation of arterial vascular diseases] Schoop W. **Off Gesundheitswes** 1986 Nov;48(11):627-9 (Eng. Abstr.) **(Ger)**

[Pedal ergometry--an efficient method of angiologic functional diagnosis] Hänsgen K, et al. **Z Gesamte Inn Med** 1986 Oct 1;41(19):537-9 (Eng. Abstr.) **(Ger)**

[Hemorheologic studies for evaluating microcirculation in patients with peripheral arterial circulatory disorders and diabetes mellitus] Sternitzky R, et al. **Z Gesamte Inn Med** 1986 Oct 1;41(19):539-42 (Eng. Abstr.) **(Ger)**

[Characteristics of the clinical course and differential diagnosis of chronic abdominal ischemia] Gavrilenko AV. **Klin Med (Mosk)** 1987 May;65(5):85-8 (Eng. Abstr.) **(Rus)**

[Luminescence laparoscopy in abdominal surgery] Brovkin VA. **Vestn Khir** 1987 Mar;138(3):24-7 (Eng. Abstr.) **(Rus)**

[Visual angiotensometry in operations for acute intestinal obstruction and strangulated hernia] Rukhliada NV, et al. **Vestn Khir** 1987 Jan;138(1):33-6 (Eng. Abstr.) **(Rus)**

[Diagnosis of vascular cholecystitis by sequential analysis] Sorokin AS. **Vestn Khir** 1986 Jul;137(7):37-41 (Eng. Abstr.) **(Rus)**

[Dopplerography in anterior ischemic ophthalmic neuropathy] Kruzhkova GV, et al. **Vestn Oftalmol** 1987 Mar-Apr;103(2):38-40 (Eng. Abstr.) **(Rus)**

[Differential diagnosis of arterial and venous spondylogenic lumbosacral radiculomyeloischemia] Zablotskil NU, et al. **Zh Nevropatol Psikhiatr** 1987;87(4):507-11 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Amelioration of the ischemic damage of the dog kidney subjected to 90 minutes of warm ischemia by lidocaine pretreatment and low-dose dopamine infusion on revascularization. Rowinski W, et al. **Adv Exp Med Biol** 1987;212:291-6

Pentoxifylline for mesenteric ischemia [letter] Mavrelis PG, et al. **Am J Gastroenterol** 1987 Feb;82(2):175

Treatment of complications of peripheral obstructive arterial disease with prostaglandin E1. Killion DD, et al. **Angiology** 1987 Jul;38(7):507-13

Hemodynamics and metabolic effects of fructose 1-6 diphosphate in ischemia and shock--experimental and clinical observations. Markov AK. **Ann Emerg Med** 1986 Dec;15(12):1470-7

Long term follow-up of in loco-fibrinolytic therapy in acute ischemia of lower limbs. Vandenbosch G, et al. **Ann Radiol (Paris)** 1987;30(2):147-50

Thrombolysis in the treatment of peripheral arterial vascular occlusions. Koltun WA, et al. **Arch Surg** 1987 Aug; 122(8):901-5

Early results of low dose intra-arterial streptokinase therapy in acute and subacute lower limb arterial ischaemia. Earnshaw JJ, et al. **Br J Surg** 1987 Jun;74(6):504-7

Comparison of the protective effects by human and bovine superoxide dismutase against ischemia- and reperfusion-induced impairment of kidney function in anesthetized rats. Schneider J, et al. **Free Radic Biol Med** 1987;3(1):21-6

Indications and technique of loco-regional fibrinolysis in the treatment of an acute ischaemic limb. Report of a series of 22 patients. Dereume JP, et al. **Haemostasis** 1986;16 Suppl 3:75-8

Is a combination of urokinase and Lys-plasminogen by regional infusion indicated in ischaemia due to popliteal or infra-popliteal thrombosis? Giraud C, et al. **Haemostasis** 1986;16 Suppl 3:79-82

The use of urokinase in ischemic replanted extremities in rats. Zdeblick TA, et al. **J Bone Joint Surg [Am]** 1987 Mar; 69(3):442-9

Intra-arterial prostacyclin compared to Praxilene in the management of severe lower limb ischaemia: a double blind trial. Negus D, et al. **J Cardiovasc Surg (Torino)** 1987 Mar-Apr;28(2):196-9

Effect of a calcium channel blocker on posttraumatic spinal cord blood flow. Guha A, et al. **J Neurosurg** 1987 Mar; 66(3):423-30

Quantitative analysis of the effect of ATP-MgCl2 and adenosine-MgCl2 on the extent of necrosis in rat liver after ischemia. Freqeriks WM, et al. **J Surg Res** 1986 Nov; 41(5):518-23

Failure of oxygen-free radical scavengers to improve postischemic liver function. McEnroe CS, et al. **J Trauma** 1986 Oct;26(10):892-6

Use and limitations of thrombolytic therapy in the treatment of peripheral arterial ischemia: results of a multi-institutional questionnaire. Ricotta JJ, et al. **J Vasc Surg** 1987 Jul;6(1):45-50

Protective effect of fibronectin in temporary liver ischemia: an experimental study. Raute-Kreinsen U, et al. **Klin Wochenschr** 1986;64 Suppl 7:54-8

Intra-arterial thrombolysis for acute limb ischemia: a three-year experience. Battey PM, et al. **South Med J** 1987 Apr;80(4):479-82

[Effect of inosine in the protection of ischemia of the liver] Zhang XG, et al. **Chung Hua Wai Ko Tsa Chih** 1987 Mar; 25(3):133-5, 188 (Eng. Abstr.) **(Chi)**

[The effect of betalytics on blood circulation in the extremities of patients with lower extremity ischemic disease] Spáčil J. **Cas Lek Cesk** 1987 May 8;126(19):600-4 (Eng. Abstr.) **(Cze)**

[Indication and technic of regional fibrinolysis in the treatment of acute ischemia of the limbs. Apropos of a series of 22 patients] Dereume JP, et al. **Haemostasis** 1986; 16 Suppl 4:79-82 **(Fre)**

[Is it permissible to use the combination urokinase-plasminogen by local administration in ischemias caused by popliteal or sub-popliteal thrombosis?] Giraud C, et al. **Haemostasis** 1986;16 Suppl 4:83-6 **(Fre)**

[Experimental studies in acute ischemic renal failure] Tsuji Y. **Nippon Hinyokika Gakkai Zasshi** 1987 Feb;78(2):281-91 (Eng. Abstr.) **(Jpn)**

[Usefulness of transcutaneous oxygen pressure determination in evaluating the pharmacologic treatment of chronic ischemia of the lower extremities] Wróblewski T, et al. **Pol Tyg Lek** 1986 Sep 22;41(38):1209-11 (Eng. Abstr.) **(Pol)**

[Subcellular manifestations of the corrective effect of alpha-tocopherol on postischemic changes in the liver parenchyma of rats] Sokirchenko IA, et al. **Biull Eksp Biol Med** 1987 Feb;103(2):226-9 (Eng. Abstr.) **(Rus)**

[Possibilities of using weak solutions of hydrogen peroxide in the treatment of experimental ischemia of the lower extremities] Gusak VK, et al. **Klin Khir** 1986;(7):31-3 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Xanthine oxidase and neutrophil infiltration in intestinal ischemia. Grisham MB, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):G567-74

Hepatic microsomal adenosine triphosphatase and mitochondrial function. Response to cold and warm ischemia. Townsend MC, et al. **Arch Surg** 1987 Jul; 122(7):813-6

Ischaemia and tissue pyruvate dehydrogenase activities in the rat: a comparison of the effects of cervical dislocation and pentobarbital anaesthesia. French TJ, et al. **Biochem Int** 1986 Nov;13(5):843-52

Conversion of xanthine dehydrogenase to oxidase in ischemic rat tissues. Engerson TD, et al. **J Clin Invest** 1987 Jun; 79(6):1564-70

Enzyme-histochemical study of the liver ligated portal vein--in view of acid phosphatase(ACP) activity. Kanamaru T. **Kobe J Med Sci** 1987 Feb;33(1):35-51

Increase of serum angiotensin-converting enzyme following venous stasis of the forearm in man. Porta M, et al. **Panminerva Med** 1987 Jan-Mar;29(1):45-7

[Studies on gamma-glutamyltranspeptidase in warm ischaemic kidneys of rats] Shirahama T. **Nippon Hinyokika Gakkai Zasshi** 1986 Nov;77(11):1726-32 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Superoxide radicals (SR) in the pathophysiology of ischemic acute renal failure (ARF). Faedda R, et al. **Adv Exp Med Biol** 1987;212:69-74

Thrombosed aorta resulting in spinal cord ischemia and paraplegia in ischemic cardiomyopathy. Kochar G, et al. **Am Heart J** 1987 Jun;113(6):1510-3

Anterior segment ischemia after strabismus surgery in a child. Elsas FJ, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):833-4

Protection of the small intestine from nonocclusive mesenteric ischemic injury due to cardiogenic shock. Bailey RW, et al. **Am J Surg** 1987 Jan;153(1):108-16

Recognition and treatment of vascular steal secondary to hemodialysis prostheses. Mattson WJ. **Am J Surg** 1987 Aug; 154(2):198-201

Temporary paraplegia following spinal anesthesia in a patient with a spinal cord arteriovenous malformation. Warner DO, et al. **Anesthesiology** 1987 Feb;66(2):236-7

Ischemic optic neuropathy secondary to intestinal hemorrhage [letter] Coyle JT. **Ann Ophthalmol** 1986 Apr; 18(4):149, 153

Disseminated intravascular coagulation, antiphospholipid antibodies, and ischaemic necrosis of extremities. Bird AG, et al. **Ann Rheum Dis** 1987 Mar;46(3):251-5

Digital ischemia as a manifestation of malignancy. Taylor LM Jr, et al. **Ann Surg** 1987 Jul;206(1):62-8

Spinal cord ischemia following operation for traumatic aortic transection. Marvasti MA, et al. **Ann Thorac Surg** 1986 Oct;42(4):425-8

Ischemic forms of acute venous thrombosis. Hirschmann JV. **Arch Dermatol** 1987 Jul;123(7):933-6 (40 ref.)

Further observations on cerebral or retinal ischemia in patients with right-left intracardiac shunts. Biller J, et al. **Arch Neurol** 1987 Jul;44(7):740-3

Blindness as a complication of rhinoplasty. Cheney ML, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jul;113(7):768-9

Sigmoid intramural pH for prediction of ischemic colitis during aortic surgery. A comparison with risk factors and inferior mesenteric artery stump pressures. Schiedler MG, et al. **Arch Surg** 1987 Aug;122(8):881-6

Late ischaemic sequelae after umbilical artery catheterization. Bergqvist D, et al. **Br J Surg** 1987 Jul;74(7):628-9

Digital ischaemia and palpable pedal pulses. Comerford JA, et al. **Br J Surg** 1987 Jun;74(6):493-5

Acute mesenteric ischaemia caused by Schistosoma mansoni infection. Anayi S, et al. **Br Med J [Clin Res]** 1987 May 9;294(6581):1197

Occlusion of the aortofemoral prosthetic graft. Downs AR. **Can J Surg** 1986 Sep;29(5):342-4

Post-traumatic spinal cord ischemia: relationship to injury severity and physiological parameters. Hall ED, et al. **Cent Nerv Syst Trauma** 1987 Spring;4(1):15-25

Transient episodes of sigmoid ischemia and their relation to infection from intestinal organisms after abdominal aortic operations. Fiddian-Green RG, et al. **Crit Care Med** 1987 Sep;15(9):835-9

Nonocclusive ischemic colitis secondary to hemorrhagic shock. Byrd RL, et al. **Dis Colon Rectum** 1987 Feb;

30(2):116–8

The influence of uremia and immunosuppression on an animal model for ischemic colitis. Gomella LG, et al. **Dis Colon Rectum** 1986 Nov;29(11):724–7

Inflatable splints: do they cause tissue ischaemia? [published erratum appears in Injury 1986 Nov;17(6):428] Christensen KS, et al. **Injury** 1986 May;17(3):167–70

Incidence and management of limb ischemia with percutaneous wire-guided intraaortic balloon catheters. Alderman JD, et al. **J Am Coll Cardiol** 1987 Mar; 9(3):524–30

Management of extremity ischemia secondary to radiation therapy. Rosenfeld JC, et al. **J Cardiovasc Surg (Torino)** 1987 May–Jun;28(3):266–9

Anterior ischemic optic neuropathy following ocular pneumoplethysmography [letter] Arnold AC. **J Clin Neuro Ophthalmol** 1987 Mar;7(1):58–9

Acute vascular compromise after avulsion of the distal phalanx with the flexor digitorum profundus tendon. Gordon L, et al. **J Hand Surg [Am]** 1987 Mar;12(2):259–61

Monitoring of somatosensory evoked potentials during surgical procedures on the thoracoabdominal aorta. IV. Clinical observations and results. Cunningham JN Jr, et al. **J Thorac Cardiovasc Surg** 1987 Aug;94(2):275–85

Monitoring of somatosensory evoked potentials during surgical procedures on the thoracoabdominal aorta. I. Relationship of aortic cross-clamp duration, changes in somatosensory evoked potentials, and incidence of neurologic dysfunction. Laschinger JC, et al. **J Thorac Cardiovasc Surg** 1987 Aug;94(2):260–5

Immunology of pyelonephritis. VIII. E. coli causes granulocytic aggregation and renal ischemia. Kaack MB, et al. **J Urol** 1986 Nov;136(5):1117–22

Sciatic artery aneurysms: report of three cases and review of the literature. Martin KW, et al. **J Vasc Surg** 1986 Oct; 4(4):365–71

The role of external carotid revascularization in the treatment of ocular ischemia. Street DL, et al. **J Vasc Surg** 1987 Sep; 6(3):280–2

Leukocytes and the risk of ischemic diseases [letter] Fava M. **JAMA** 1987 Aug 21;258(7):907–8

Anterior segment ischemia following extraocular muscle surgery. Prakash P, et al. **Jpn J Ophthalmol** 1986; 30(3):251–6

Fatty acids, cholesterol, and their roles in ischemia. Lewis CA. **Med Hypotheses** 1987 Jul;23(3):233–6

Progression of nonischemic central retinal vein obstruction to the ischemic variant. Minturn J, et al. **Ophthalmology** 1986 Sep;93(9):1158–62

Post-surgical ischaemic myelopathy. Stutesman JL, et al. **Paraplegia** 1987 Feb;25(1):23–6

Intestinal ischemic injury following mild hypothermic stress in the neonatal piglet. Schneider PA, et al. **Pediatr Res** 1987 Apr;21(4):422–5

Ischemia/reperfusion injury in the kidney. Ratych RE, et al. **Prog Clin Biol Res** 1986;224:263–89 (83 ref.)

Cystic degeneration of the popliteal artery in a female patient—case report. Simpson CJ, et al. **Scott Med J** 1986 Jul;31(3):187–8

Hemodynamics of aortic cross-clamping: experimental observations and clinical applications. Svensson LG, et al. **Surg Annu** 1987;19:41–65 (113 ref.)

Carcinoma of the lung presenting with digital ischaemia. Field J, et al. **Thorax** 1986 Jul;41(7):573–4

The ocular ischemic syndrome and neovascularization. Brown GC, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(1):302–6

[Bloodless fields in the extremities. Sequelae of using a tourniquet] Jørgensen HR. **Ugeskr Laeger** 1987 May 18; 149(21):1375–7 (Eng. Abstr.) (Dan)

[Muscle damage after bloodless fields in the extremities. Myoglobin production as an indicator of the effect of a tourniquet on striated muscle] Jørgensen HR. **Ugeskr Laeger** 1987 May 18;149(21):1377–9 (Eng. Abstr.) (Dan)

[Involvement of arterial trunks of the upper limbs in giant cell arteritis. Apropos of 7 cases] Ninet J, et al. **Ann Med Interne (Paris)** 1987;138(3):178–84 (Eng. Abstr.) (Fre)

[Definitive monocular deficit after ophthalmic migraine] Pelosse B, et al. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):19–21 (Eng. Abstr.) (Fre)

[Ischemic complications of the surgical treatment of aneurysms of the large vessels] Velebit V. **Helv Chir Acta** 1987 Feb;53(4):447–50 (Eng. Abstr.) (Fre)

[Acute ischemia of the optic nerve after retrobulbar injection] Lodato G, et al. **J Fr Ophtalmol** 1986;9(6–7):431–3 (Eng. Abstr.) (Fre)

[An unusual compartment syndrome] Janbon C, et al. **Phlebologie** 1987 Apr–Jun;40(2):309–14 (Fre)

[Lesion of the triceps surae after sclerosing injection in the territory of the external saphenous vein] Natali J. **Phlebologie** 1987 Apr–Jun;40(2):315–24 (Eng. Abstr.) (Fre)

[The vascular risk in surgery of the forefoot] Reynier A, et al. **Phlebologie** 1987 Apr–Jun;40(2):325–30 (Fre)

[Ischemic colitis and disseminated lupus erythematosus. Value of corticosteroid treatment (letter)] Einhorn S, et al. **Rev Rhum Mal Osteoartic** 1986 Nov;53(11):669 (Fre)

[Circulatory disorders of the lower extremities caused by benign bone tumors of rare sites] Mike G, et al. **Beitr Orthop Traumatol** 1986 Sep;33(9):448–51 (Eng. Abstr.) (Ger)

[Intraocular ischemic infarcts in injections into the lid and parabulbar region (without perforation of the eye)] Meythaler FH, et al. **Klin Monatsbl Augenheilkd** 1987 Jun; 190(6):474–7 (Eng. Abstr.) (Ger)

[Mesenterial anemia as a cause of jogging anemia?] Kehl O, et al. **Schweiz Med Wochenschr** 1986 Jul 19;116(29):974–6 (Eng. Abstr.) (Ger)

[Ischemic damage to the liver and kidney by IABP—report of a case with a rare complication] Itoh Y, et al. **Kyobu Geka** 1987 Feb;40(2):162–5 (Eng. Abstr.) (Jpn)

[Acute intestinal ischemia] Ancyparowicz S, et al. **Pol Tyg Lek** 1986 Aug 18;41(33):1030–3 (Pol)

[Acute intestinal ischemia of vascular origin: its pathomechanism and diagnostic possibilities] Hartleb M. **Pol Tyg Lek** 1986 Aug 18;41(33):1027–9 (Eng. Abstr.) (Pol)

[Assessment of risk factors and the clinical state of patients with atherosclerotic ischemia of the lower extremities] Skóra K, et al. **Pol Tyg Lek** 1987 Mar 23–30; 42(12–13):350–3 (Eng. Abstr.) (Pol)

[Etiologic factors in anterior ischemic optic neuropathy] Buzná E, et al. **Rev Chir [Oftalmol]** 1986 Jul–Sep; 30(3):211–5 (Eng. Abstr.) (Rum)

[Various problems of the clinical course and pathogenesis of abdominal angina in arteriosclerosis] Abulov MKh, et al. **Klin Med (Mosk)** 1987 Jan;65(1):76–81 (Eng. Abstr.) (Rus)

[Clinical picture and diagnosis of spondylogenic-venous lumbosacral radiculomyeloischemia] Zablotskiĭ NU, et al. **Klin Med (Mosk)** 1986 Sep;64(9):57–61 (Eng. Abstr.) (Rus)

[Free-radical oxidation and its role in the pathogenesis of inflammation, ischemia and stress] Petrovich IuA, et al. **Patol Fiziol Eksp Ter** 1986 Sep–Oct;(5):85–92 (97 ref.) (Rus)

[Discogenic lumbosacral radiculomyeloischemia] Zablotskiĭ NU, et al. **Zh Vopr Neirokhir** 1987 May–Jun;(3):40–5 (Eng. Abstr.) (Rus)

[Malignant histiocytosis. Review of the entity apropos of 2 cases with seldom seen clinical manifestations] Falguera M, et al. **Med Clin (Barc)** 1987 Jun 13;89(3):115–8 (Eng. Abstr.) (Spa)

[Diffuse digital ischemia caused by vasculitis in a heroin addict (letter)] Plaza S, et al. **Med Clin (Barc)** 1986 Nov 22;87(17):737 (Spa)

[Anterior spinal artery syndrome and intradural anesthesia] Arbonés Arán E, et al. **Rev Esp Anestesiol Reanim** 1987 May–Jun;34(3):221–4 (Eng. Abstr.) (Spa)

IMMUNOLOGY

Immunocytochemical localisation of the antibody which breaches the blood–testis barrier in sympathetic orchiopathia. Lewis-Jones DI, et al. **Br J Urol** 1987 May; 59(5):452–7

Post-ischemia immunosuppression in a miniature swine model. Miller CL, et al. **Lab Anim Sci** 1986 Aug; 36(4):375–80

Inflammatory mediators in patients with ischemic limbs. Bengtson A, et al. **Prog Clin Biol Res** 1987;236A:11–8

[Serum immunoglobulin level and local immune response of ischemic colitis and antibiotic associated colitis] Miyahara T. **Nippon Shokakibyo Gakkai Zasshi** 1987 Mar;84(3):661–9 (Eng. Abstr.) (Jpn)

METABOLISM

High energy phosphates, phospholipids, and calcium in ischemic renal tubular cell injury. Humes HD, et al. **Adv Exp Med Biol** 1986;208:3–7 (32 ref.)

Skeletal muscle adenosine, inosine and hypoxanthine release following ischaemic forearm exercise in myoadenylate deaminase deficiency and McArdle's disease. Sinkeler S, et al. **Adv Exp Med Biol** 1986;195 Pt B:517–23

Ethane production as a measure of lipid peroxidation after renal ischemia. Paller MS, et al. **Am J Physiol** 1986 Nov; 251(5 Pt 2):F839–43

An investigation of arterial insufficiency in the rat hindlimb. Correlation of skeletal muscle bloodflow and glucose utilization in vivo. Challiss RA, et al. **Biochem J** 1986 Dec 1;240(2):395–401

Enhanced 2-deoxyglucose incorporation in peripheral nerve during ischemia. Sladky JT, et al. **Brain Res** 1987 Jun 30; 414(2):323–9

Movement of albumin between plasma and tissues after limb ischaemia in the rat. Barton RN. **Circ Shock** 1987; 22(3):241–9

Desferrioxamine reduces susceptibility to lipid peroxidation in rabbit kidneys subjected to warm ischaemia and reperfusion. Green CJ, et al. **Comp Biochem Physiol [B]** 1986;85(1):113–7

Liver adenine nucleotide metabolism during ischemia and reperfusion of mice livers studied by phosphorous-31 nuclear magnetic resonance. Lee RG, et al. **Invest Radiol** 1987 Jun;22(6):479–83

Myositis ossificans after total hip replacement and perioperative muscle ischemia. Ahrengart L, et al. **J Arthroplasty** 1987;2(1):65–9

Enhanced ability of skeletal muscle containing cyclocreatine phosphate to sustain ATP levels during ischemia following beta-adrenergic stimulation. Turner DM, et al. **J Biol Chem** 1987 May 15;262(14):6605–9

Ischemia induces surface membrane dysfunction. Mechanism of altered Na+–dependent glucose transport. Molitoris BA, et al. **J Clin Invest** 1987 Sep;80(3):647–54

Effects of diltiazem on the energy metabolism of the isolated rat heart submitted to ischaemia: a 31P NMR study. Lavanchy N, et al. **J Mol Cell Cardiol** 1986 Sep; 18(9):931–41

Enhanced prostaglandin synthesis due to phospholipid breakdown in ischemic-reperfused myocardium. Control of its production by a phospholipase inhibitor or free radical scavengers. Otani H, et al. **J Mol Cell Cardiol** 1986 Sep; 18(9):953–61

Effects of ischemia-like conditions on cultured neurons: protection by low Na+, low Ca2+ solutions. Goldberg WJ, et al. **J Neurosci** 1986 Nov;6(11):3144–51

Glial fibrillary acidic protein immunohistochemistry of spinal cord astrocytes after induction of ischemia or anoxia in culture. Goldberg WJ, et al. **J Neurosci Res** 1987; 17(2):168–75

Bile flow—an index of ischemic injury. Bowers BA, et al. **J Surg Res** 1987 May;42(5):565–9

Amino acids and indoleamines in the brain after infusion of branched-chain amino acids to rats with liver ischemia. Bugge M, et al. **JPEN J Parenter Enteral Nutr** 1986 Sep–Oct;10(5):474–8

Change in energy reserves in different segments of the nephron during brief ischemia. Bastin J, et al. **Kidney Int** 1987 Jun;31(6):1239–47

Adenine nucleotide levels and regional distribution of ATP in rabbit spinal cord after ischemia and recirculation. Danielisová V, et al. **Neurochem Res** 1987 Mar;12(3):241–5

Intestinal repair in chronically undernourished rabbits. Guzman C, et al. **Pediatr Res** 1986 Dec;20(12):1301–4

Effect of ischaemia on protein synthesis in vitro. Burda J, et al. **Physiol Bohemoslov** 1987;36(2):161–6

Increased thromboxane A2 and 5-HETE production following spinal cord ischemia in the rabbit. Shohami E, et al. **Prostaglandins Leukotrienes Med** 1987 Jul; 28(2):169–81

The effect of liver ischaemia on brain monoamine synthesis in the rat. Bugge M, et al. **Res Exp Med (Berl)** 1987; 187(2):119–30

Some applications of the indium-113m-transferrin technique for gamma-radiation detection of microvascular effects of serotonin and ischemia. Hultkvist U, et al. **Res Exp Med (Berl)** 1987;187(1):49–54

Inhibition of lipid peroxidation by superoxide dismutase following regional intestinal ischemia and reperfusion. Younes M, et al. **Res Exp Med (Berl)** 1987;187(1):9–17

Lysophosphatidylcholine potentiates the increase in mucosal permeability after small-intestinal ischaemia. Otamiri T, et al. **Scand J Gastroenterol** 1986 Nov;21(9):1131–6

In vivo noninvasive observation of acute mesenteric ischemia in rats. Blum H, et al. **Surg Gynecol Obstet** 1987 May; 164(5):409–14

Levels of purine compounds in a perfusate as a biochemical marker of ischemic injury of cold-preserved liver. Nishida T, et al. **Transplantation** 1987 Jul;44(1):16–21

[Eicosanoic acids and arteriopathies of the legs] Jouve R. **Cardiologia** 1986 Jun;31(6):399–401 (Ita)

[Effect of coenzyme Q10 on DNA synthesis of the ischemic lobe after partial hepatectomy in partial liver ischemia] Shimura T, et al. **Nippon Geka Gakkai Zasshi** 1986 Dec; 87(12):1588 (Jpn)

[Free radicals, ischemia and inflammation] Langer B. **Rev Paul Med** 1986 Nov–Dec;104(6):305–10 (Por)

[Lipid peroxidation and free Fe2+ during ischemia and reoxygenation of the liver] Kozlov AV, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):165–7 (Eng. Abstr.) (Rus)

[Disordered functioning of the superoxide radical–superoxide dismutase system in rat liver ischemia] Rashba IuE, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):559–61 (Eng. Abstr.) (Rus)

[Glycolysis in the rat kidney shortly after ischemia and administration of calmodulin inhibitors, AMP and NAD] Tamarina NZ, et al. **Ukr Biokhim Zh** 1986 Nov–Dec; 58(6):42–6 (Eng. Abstr.) (Rus)

[Changes in and pharmacological correction of oxidative phosphorylation in regional kidney ischemia] Chumakov VN, et al. **Vopr Med Khim** 1986 Jul–Aug;32(4):86–90 (Eng. Abstr.) (Rus)

MORTALITY

[Can the prognosis of acute ischemia of the extremities be improved?] Plate G, et al. **Lakartidningen** 1986 Sep 3; 83(36):2912–6 (Swe)

PATHOLOGY

The arrangement of endoplasmic reticulum and proteosynthesis in spinal ganglia neurons of dog after ischemia. Orendáčová J, et al. **Act Nerv Super (Praha)** 1987 Mar;29(1):23–9

Transient ischemic colitis. Case report. Andersson R, et al. **Acta Chir Scand** 1987 Feb;153(2):151–3

Effect of repeated normothermic ischaemia on normal liver parenchyma. An experimental study in pigs. Stridbeck H, et al. **Acta Radiol** 1987 Mar–Apr;28(2):215–9

Radiation retinopathy as an experimental model for ischemic proliferative retinopathy and rubeosis iridis. Irvine AR, et

al. **Am J Ophthalmol** 1987 Jun 15;103(6):790–7
A role for iron in oxidant-mediated ischemic injury to intestinal microvasculature. Hernandez LA, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):G49–53
Gastric injury induced by hemorrhage, local ischemia, and oxygen radical generation. Wadhwa SS, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):G129–33
Microvascular transport and endothelial cell alterations preceding skeletal muscle damage in ischemia and reperfusion injury. Suval WD, et al. **Am J Surg** 1987 Aug; 154(2):211–8
Ocular ischemic syndrome: long-term ocular complications. Ros MA, et al. **Ann Ophthalmol** 1987 Jul;19(7):270–2
Temporary bone tissue ischemia in the hind limb of the rabbit. A vital microscopic study. Kälebo P, et al. **Arch Orthop Trauma Surg** 1986;105(6):321–5
Non-invasive femoropopliteal assessment: is that angiogram really necessary? Shearman CP, et al. **Br Med J [Clin Res]** 1986 Oct 25;293(6554):1086–9
Actin and myosinlike structure induced in the growth cartilage by acute ischemia. Aziz A, et al. **Calcif Tissue Int** 1987 Jan;40(1):16–20
The impact of reperfusion after varying degrees of ischemia in postinjury proteolysis. Bishop J, et al. **Curr Surg** 1987 Mar–Apr;44(2):108–11
Triphenyl tetrazolium chloride as a histochemical marker of skeletal muscle ischemia and reperfusion injury. Blebea J, et al. **Curr Surg** 1987 Mar–Apr;44(2):134–6
Doppler ultrasound in the diagnosis of intestinal ischemia. Hartnell GG, et al. **Gastrointest Radiol** 1987;12(4):285–8
Angiodysplasia of the colon: an expression of occlusive vascular disease. Heer M, et al. **Hepatogastroenterology** 1987 Jun;34(3):127–31
Myofibrillar degeneration and necrosis of the visceral smooth musculature: an ischemic visceral myopathy. Salinas-Madrigal L, et al. **Hum Pathol** 1987 Aug; 18(8):815–23
Morphology of regressive changes in the kidney following experimental ischaemia. Fortyn K, et al. **Int Urol Nephrol** 1987;19(1):9–19
Protective effect of verapamil on ischaemic renal injury in dogs. Sobh MA, et al. **Int Urol Nephrol** 1987;19(1):21–6
Warm ischemic damage to the epiphyseal growth plate: a rabbit model. Stark RH, et al. **J Hand Surg [Am]** 1987 Jan; 12(1):54–61
The extent and distribution of skeletal muscle necrosis after graded periods of complete ischemia. Labbe R, et al. **J Vasc Surg** 1987 Aug;6(2):152–7
Ischemia: profile of an enemy. Reperfusion injury of skeletal muscle. Perry MO, et al. **J Vasc Surg** 1987 Sep;6(3):231–4
Remarkable resistance of the nerve to ischemia [letter] Gieron MA, et al. **Muscle Nerve** 1987 Jan;10(1):85
Acquired resistance to acute renal failure in ischemic and uranium-induced renal failure of rabbits. Yonemura K. **Nippon Jinzo Gakkai Shi** 1986 Sep;28(9):1221–7
Perinatal hypoxic/ischemic spinal cord injury. Sladky JT, et al. **Pediatr Pathol** 1986;6(1):87–101
Quantitative vascular casting of the post-ischemic hydronephrotic kidney. Gattone VH 2d, et al. **Scan Electron Microsc** 1986;(Pt 2):549–56
Tobramycin and renal ischemia. Wilson JA, et al. **Urology** 1986 Nov;28(5):409–12
Ultrastructural changes in the rat liver during Euro-Collins storage, compared with hypothermic in vitro ischemia. Myagkaya GL, et al. **Virchows Arch [B]** 1987;53(3):176–82
Qualitative and quantitative study of satellite cells changes after occlusion of the abdominal aorta in dog. Ferčáková A, et al. **Z Mikrosk Anat Forsch** 1986;100(5):692–8
[Ultrastructural study of striated muscle repair after ischemia] Chen LE. **Chung Hua Wai Ko Tsa Chih** 1986 May; 24(5):274–5, 316 (Eng. Abstr.) **(Chi)**
[Significance of parodontal circulatory disorders for reconstruction and possible parodontal damage in the course of orthodontic treatment] Göz G, et al. **Fortschr Kieferorthop** 1987 Feb;48(1):34–40 (Eng. Abstr.) **(Ger)**
[Ischemic colitis of the rectum] Becker V. **Fortschr Med** 1986 Sep 18;104(35):657–8 (Eng. Abstr.) **(Ger)**
[Experimental studies of the effect of an arteriovenous fistula on postischemic skeletal muscle] Dippe B, et al. **Handchir Mikrochir Plast Chir** 1987 Jul;19(4):221–5 (Eng. Abstr.) **(Ger)**
[Eye changes in stenoses of the internal carotid artery—histologic and clinical findings] Steuhl KP, et al. **Klin Monatsbl Augenheilkd** 1986 Oct;189(4):302–7 (Eng. Abstr.) **(Ger)**
[Studies on microcirculation injury of skeletal muscle due to tourniquet-induced ischemia] Ikemoto Y. **Nippon Seikeigeka Gakkai Zasshi** 1987 Apr;61(4):361–71 (Eng. Abstr.) **(Jpn)**
[Ductal and vascular factors in the etiology of experimentally induced pancreatic fibrosis and fat replacement in dogs] Maeda H. **Nippon Shokakibyo Gakkai Zasshi** 1986 Dec; 83(12):2580–7 (Eng. Abstr.) **(Jpn)**
[A case report of ischemic colitis, gangrene type] Michi N, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep; 83(9):2067–71 **(Jpn)**
[Ultrastructural changes in the microcirculatory bed and filtration-reabsorption barrier of the kidney during temporary ischemia after unilateral nephrectomy] Shakhlamov VA, et al. **Arkh Anat Gistol Embriol** 1986 Oct; 91(10):76–81 (Eng. Abstr.) **(Rus)**
[Morphologic features of the extraembryonic organs after ischemic damage to the yolk sac] Sklianov IuI. **Arkh Anat Gistol Embriol** 1987 Jan;92(1):23–7 (Eng. Abstr.) **(Rus)**
[Effect of experimental acute ischemia on capillary-neuro-muscular relations] Goncher' MG, et al. **Arkh Patol** 1986;48(11):52–7 (Eng. Abstr.) **(Rus)**
[Structural and functional changes in the kidneys in experimental vasorenal hypertension and means of correcting them] Petrun' NM, et al. **Urol Nefrol (Mosk)** 1987 May–Jun;(3):32–8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

An experimental model for studying reversible intestinal ischemia. Otamiri T, et al. **Acta Chir Scand** 1987 Jan; 153(1):51–6
Effect of tourniquet-induced ischemia on cutaneous thermal thresholds. Kojo I, et al. **Acta Neurol Scand** 1986 Nov; 74(5):383–6
Differential effect of ischemia on spontaneous and sinusoidal-evoked activity in semicircular canal afferents in the bullfrog. Sitko S, et al. **Acta Otolaryngol (Stockh)** 1986 Sep–Oct;102(3–4):179–85
Ischaemia-induced release of noradrenaline and creatine kinase in the isolated, working rat heart. Carlsson L, et al. **Acta Physiol Scand** 1987 May;130(1):83–93
Terbutaline and budesonide as inhibitors of postischaemic permeability increase. Persson NH, et al. **Acta Physiol Scand** 1987 Apr;129(4):517–24
Cyclosporine nephrotoxicity in rats with an acute reduction of renal function. Provoost AP. **Am J Kidney Dis** 1986 Nov;8(5):314–8
Postischemic hemodynamics and recovery of renal adenosine triphosphate. Gaudio KM, et al. **Am J Physiol** 1986 Oct; 251(4 Pt 2):F603–9
Role of neutrophils in ischemia-reperfusion-induced microvascular injury. Hernandez LA, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):H699–703
Interaction between myocardial depressant factor and vasoactive mediators with ischemia and shock. Lefer AM. **Am J Physiol** 1987 Feb;252(2 Pt 2):R193–205 (110 ref.)
Hypoxia, bradykinin, and prostaglandins stimulate ischemically sensitive visceral afferents. Longhurst JC, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):H556–67
Comparison of effects of ATP-MgCl2 and adenosine-MgCl2 on renal function following ischemia. Sumpio BE, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R388–93
Escherichia coli endotoxin injections potentiate experimental ischemic renal injury. Zager RA. **Am J Physiol** 1986 Dec; 251(6 Pt 2):F988–94
Reperfusion of ischemic dog lung results in fever, leukopenia, and lung edema. Bishop MJ, et al. **Am Rev Respir Dis** 1986 Oct;134(4):752–6
Pulmonary oxygen toxicity and ischemia-reperfusion injury. A mechanism in common involving xanthine oxidase and neutrophils. Repine JE, et al. **Am Rev Respir Dis** 1987 Aug; 136(2):483–5
A new method for the quantitative assessment of arterial insufficiency of the limbs: cutaneous postischemic hyperemia test by laser Doppler. Leonardo G, et al. **Angiology** 1987 May;38(5):378–85
The influence of sympathetic nerves on transcutaneous oxygen tension in normal and ischemic lower extremities. Rooke TW, et al. **Angiology** 1987 May;38(5):400–10
Reperfusion of skeletal muscle after warm ischemia. Eriksson E, et al. **Ann Plast Surg** 1987 Mar;18(3):224–9
Pulmonary leukosequestration induced by hind limb ischemia. Anner H, et al. **Ann Surg** 1987 Aug;206(2):162–7
Pressure compliance of the optic nerve head in low tension glaucoma. Pillunat LE, et al. **Br J Ophthalmol** 1987 Mar; 71(3):181–7
Effects of ischemic nerve block on the early and late components of the stretch reflex in the human forearm. Hayashi R, et al. **Brain Res** 1987 Feb 17;403(2):341–4
The post-injury responses in trauma and ischemia: secondary injury or protective mechanisms? Young W. **Cent Nerv Syst Trauma** 1987 Spring;4(1):27–51 (148 ref.)
Acute alterations in diastolic left ventricular chamber distensibility: mechanistic differences between hypoxemia and ischemia in isolated perfused rabbit and rat hearts. Wexler LF, et al. **Circ Res** 1986 Nov;59(5):515–28
Local renal ischemia during burn shock in rat effected by thromboxane A2 and serotonin. Haugan A, et al. **Circ Shock** 1986;20(1):13–23
Laser Doppler assessment of skin blood flow in arteriopathic limbs. Allen PI, et al. **Clin Phys Physiol Meas** 1987 May; 8(2):179–82
The transcapillary exchange of sodium fluorescein in ischaemic limbs measured by fluorescein flowmetry. Perbeck L, et al. **Clin Physiol** 1987 Apr;7(2):95–103
Unilateral renal ischaemia in the rat: effect of method of occlusion of the blood supply on function of ipsilateral and contralateral kidneys. Ferwana OS, et al. **Clin Sci** 1987 Jul;73(1):11–7
Kidney protection by pretreatment with free radical scavengers and allopurinol: renal function at recirculation after warm ischaemia in rabbits. Hansson R, et al. **Clin Sci** 1986 Sep;71(3):245–51
Enhancement of cardiac vagal action during ischaemia of the sino-atrial node. Potter EK, et al. **Clin Sci** 1986 Oct; 71(4):449–51
31P nuclear magnetic resonance in the investigation of renal ischemia during hypotension. Ratcliffe PJ, et al. **Contrib Nephrol** 1987;56:152–8
Hemodynamic changes during reperfusion in two canine models of hind-limb ischemia. Franco CD, et al. **Curr Surg** 1987 Jan–Feb;44(1):34–7
The role of leukocyte depletion in reducing injury to the lung after hypothermic ischemia. Hall TS, et al. **Curr Surg** 1987 Mar–Apr;44(2):137–9
Tolerance of rat testis to graded periods of total ischemia. Lui RC, et al. **Curr Surg** 1986 Sep–Oct;43(5):403–6
Effect of ischemia on peripheral nerve function in diabetes mellitus. Kuriya N, et al. **Diabetes Res Clin Pract** 1986 Sep–Oct;2(5):277–82
Rod–cone differences in response to retinal ischemia in rabbit. Brunette JR, et al. **Doc Ophthalmol** 1986 Nov 15; 63(4):359–65
Diabetic neuropathy. Topography, general electrophysiologic features, effect of ischaemia on nerve evoked potential, and frequency of the entrapment neuropathy. Cruz Martínez A. **Electromyogr Clin Neurophysiol** 1986 Jun–Jul;26(4):283–95
Relationship between average muscle fibre conduction velocity and EMG power spectra during isometric contraction, recovery and applied ischemia. Zwarts MJ, et al. **Eur J Appl Physiol** 1987;56(2):212–6
For how long can the liver tolerate ischaemia? Kahn D, et al. **Eur Surg Res** 1986;18(5):277–82
Influence of ischemia on noradrenergic nerves in the terminal colon of humans and rats. Toyohara T, et al. **Eur Surg Res** 1986;18(6):349–55
Discharge rate and reflex responses of fusimotor neurons during muscle ischemia. Anastasijević R, et al. **Exp Neurol** 1987 Aug;97(2):340–4
Effects of ischemia on lysosomes. Wattiaux R, et al. **Int Rev Exp Pathol** 1984;26:85–106 (45 ref.)
Non-linearities in the focal ERG evoked by pattern and uniform-field stimulation. Their variation in retinal and optic nerve dysfunction. Porciatti V. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1306–13
Edema and the lack of blood perfusion produce opposite effects on the magnetic resonance characteristics of acutely ischemic rat kidneys. Terrier F, et al. **Invest Radiol** 1987 Feb;22(2):118–25
O2 radicals mediate reperfusion lung injury in ischemic O2-ventilated canine pulmonary lobe. Koyama I, et al. **J Appl Physiol** 1987 Jul;63(1):111–5
Free-radical-mediated postischemic reperfusion injury in the kidney. Ratych RE, et al. **J Free Radic Biol Med** 1986; 2(5–6):311–9 (34 ref.)
Effects of aldose reductase inhibitor on the peripheral nerve function during ischemia in diabetics. Kuriya N, et al. **J Med Assoc Thai** 1987 Mar;70 Suppl 2:168–72
Effect of ischaemia on somatosensory evoked potentials in diabetic patients. López-Alburquerque T, et al. **J Neurol Neurosurg Psychiatry** 1987 Apr;50(4):428–34
Quantitative myoelectric determination of bowel viability. Brolin RE, et al. **J Surg Res** 1986 Dec;41(6):557–62
The effect of ischemia on canine carotid endothelial permeability. Finck S, et al. **J Surg Res** 1986 Oct; 41(4):419–24
A nonheparinized muscle model for studies of ischemia-reperfusion injury. Rocko JM, et al. **J Surg Res** 1986 Dec;41(6):574–9
Assessment of ischemia reperfusion injury in skeletal muscle by macromolecular clearance. Suval WD, et al. **J Surg Res** 1987 May;42(5):550–9
The contribution of vascular obstruction to the functional defect that follows renal ischemia. Mason J, et al. **Kidney Int** 1987 Jan;31(1):65–71
Low molecular weight proteinuria exacerbates experimental ischemic renal injury. Zager RA, et al. **Lab Invest** 1987 Feb;56(2):180–8
Local percutaneous nitroglycerine therapy for "burning feet" syndrome [letter] Lewis GB. **Med J Aust** 1987 Jan 5; 146(1):56
Evaluation of postischemic hyperemia on the skin using laser Doppler velocimetry: study on patients with claudicatio intermittens. del Guercio R, et al. **Microvasc Res** 1986 Nov; 32(3):289–99
Remarkable resistance of the nerve to ischemia: a reply [letter] Parry GJ, et al. **Muscle Nerve** 1987 Feb;10(2):183
Motor evoked potentials in the dog: effects of global ischemia on spinal cord and peripheral nerve signals. Konrad PE, et al. **Neurosurgery** 1987 Jan;20(1):117–24
Seven-digit replantation: digit survival after 39 hours of cold ischemia. May JW Jr, et al. **Plast Reconstr Surg** 1986 Oct; 78(4):522–5
Primary and secondary critical ischemia times of myocutaneous flaps. Zelt RG, et al. **Plast Reconstr Surg** 1986 Oct;78(4):498–503
A pitfall in the measurement of arterial blood pressure in the ischaemic limb during elevation. Bülow J, et al. **Scand J Clin Lab Invest** 1987 Jun;47(4):379–82
Deteriorating stroke model: histopathology, edema, and eicosanoid changes following spinal cord ischemia in rabbits. Jacobs TP, et al. **Stroke** 1987 Jul–Aug;18(4):741–50
Myoelectric assessment of bowel viability. Brolin RE, et al. **Surgery** 1987 Jul;102(1):32–8
The idling retina: reversible visual loss in central retinal artery obstruction. Magargal LE, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(1):324–9
Early indices of warm ischemic damage in autotransplanted

canine kidneys preserved by simple hypothermic storage. Gregg CM, et al. **Transplantation** 1986 Nov;42(5):458–62

Post-ischemic renal function after kidney protection with the HTK-solution of Bretschneider. Kallerhoff M, et al. **Urol Res** 1986;14(5):271–7

[Effects of transient ischemia on inguinal flaps of the rat. Study of cutaneous microvascularization and the effects of vasodilator agents] Alnot JY, et al. **Ann Chir Plast Esthet** 1986;31(3):283–90 (Eng. Abstr.) **(Fre)**

[Physiopathology of ischemia of the upper extremities] Boismare F. **Phlebologie** 1987 Apr–Jun;40(2):441–3 **(Fre)**

[Vascular spasms in microsurgery] Bruch HP, et al. **Handchir Mikrochir Plast Chir** 1987 Jul;19(4):186–90 (Eng. Abstr.) **(Ger)**

[Kidney function parameters following ischemia stress using the Euro–Collins solution or the Bretschneider cardioplegic HTK solution] Kallerhoff M, et al. **Urologe [A]** 1987 Mar; 26(2):96–103 (Eng. Abstr.) **(Ger)**

[Temporary threshold shift in noise exposure and overhead work] Schultz K, et al. **Z Gesamte Hyg** 1987 Apr; 33(4):200–2 (Eng. Abstr.) **(Ger)**

[Abstracts of the 53d annual meeting of the German Society for Cardiovascular Research. 24–26 April 1987, Mannheim. Tolerance to ischemia and possible restoration of the viability of the heart, brain and kidney] **Z Kardiol** 1987 Apr;76 Suppl 1:1–128 **(Ger)**

[Changes in renal blood distribution and catecholamine content in the kidney after clamping renal artery] Kawai H. **Nippon Jinzo Gakkai Shi** 1986 Aug;28(8):1151–60 (Eng. Abstr.) **(Jpn)**

[Functional evaluation of the ischemic lung with six hours cooling] Kawahara K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jul;34(7):977–85 (Eng. Abstr.) **(Jpn)**

[Reactions of the microcirculatory bed to transient ischemia] Aleksandrov PN, et al. **Fiziol Zh SSSR** 1986 Sep; 72(9):1237–43 (Eng. Abstr.) **(Rus)**

[Reflex changes in pulmonary ventilation after stimulation of tissue receptors with solutions modeling metabolic acidosis] Iartsuev VN. **Fiziol Zh SSSR** 1987 Mar; 73(3):412–7 (Eng. Abstr.) **(Rus)**

[Blood flow and hematocrit in the microvessels during ischemia] Khugaeva VK, et al. **Kardiologiia** 1987 Feb; 27(2):85–8 (Eng. Abstr.) **(Rus)**

[Changes in CO2 end-expiratory fraction after ischemia release in orthopedic surgery] González de Zárate J, et al. **Rev Esp Anestesiol Reanim** 1986 Jul–Aug;33(4):230–3 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Improved ischemic island skin flap survival with continuous intraarterial infusion of adenosine triphosphate—magnesium chloride and superoxide dismutase: a rat model. Zimmerman TJ, et al. **Ann Plast Surg** 1987 Mar;18(3):218–23

Hypothermic regional perfusion for protection of the spinal cord during periods of ischemia. Colon R, et al. **Ann Thorac Surg** 1987 Jun;43(6):639–43

Temporary extracorporeal perfusion of the splanchnic circulation dependent on the Riolan anastomosis. Neglén P, et al. **J Cardiovasc Surg (Torino)** 1987 May–Jun; 28(3):249–52

Protective effects of hydralazine in a renal ischemia model in the rat. Vergona RA, et al. **Life Sci** 1987 Aug 3; 41(5):563–9

Effect of 24-hour preservation with oxygen free radical scavengers on isolated-perfused canine heart-lungs. Hajjar G, et al. **P R Health Sci J** 1986 Apr;5(1):19–25

Beneficial effects of ibuprofen on experimental microvascular free flaps: pharmacologic alteration of the no-reflow phenomenon. Douglas B, et al. **Plast Reconstr Surg** 1987 Mar;79(3):366–74

Salvage of ischemic rabbit ear by BW-755C and steroids, but not by indomethacin. Hayden B, et al. **Prostaglandins** 1987 Jan;33(1):63–73

Effect of dimethyl sulfoxide on the function and structure of the intact and ischemic canine ileum. Mirkovitch V, et al. **Res Exp Med (Berl)** 1987;187(4):295–302

Omission of donor–recipient crossmatching to minimize cold ischemia time in cadaveric renal transplantation. Fehrman I, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):808–10

[Blood pressure-dependent, process-controlled hemostasis to minimize tourniquet syndrome] Egkher E, et al. **Unfallchirurgie** 1986 Aug;12(4):200–3 (Eng. Abstr.) **(Ger)**

[Reimplantation of the inferior mesenteric artery—a sensible measure in aneurysm surgery?] Kristen R, et al. **Vasa** 1987; 16(2):168–72 (Eng. Abstr.) **(Ger)**

[Experimental study on the effectiveness of withdrawing the cerebrospinal fluid in preventing spinal cord ischemia during thoracic aortic occlusion] Oka Y, et al. **Kyobu Geka** 1986 Sep;39(9):671–8 (Eng. Abstr.) **(Jpn)**

[The prevention of spinal cord ischemia during the operation on the thoracic aorta utilizing the evoked spinal cord potential (ESP)] Matsui Y. **Nippon Geka Gakkai Zasshi** 1986 Oct;87(10):1344–51 (Eng. Abstr.) **(Jpn)**

[Prevention of damages to the microsomal monooxygenases in thermal ischemia of the liver by the separate and combined use of alpha-tocopherol, lidocaine and kontrikal] Sharapov VI, et al. **Farmakol Toksikol** 1987 Mar–Apr; 50(2):107–11 (Eng. Abstr.) **(Rus)**

[Prolongation of the viability of ischemic tissues of the extremities after injuries of major blood vessels] Babosha VA, et al. **Khirurgiia (Mosk)** 1987 Jun;(6):116–20 **(Rus)**

[Prevention of the development of revascularization syndrome after injuries of major arteries of the extremities] Gonchar' MG, et al. **Klin Khir** 1986;(7):45–7 (Eng. Abstr.) **(Rus)**

[Effect of local hyper- and hypothermia on hemodynamics and viability of the ischemic intestine] Urakov AL, et al. **Vestn Khir** 1987 Mar;138(3):43–5 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

A comparison of techniques for improved visualization of the arteries of the distal lower extremity. Cohen MI, et al. **AJR** 1986 Nov;147(5):1021–4

Persistent mesenteric ischemia in a young woman. Scolding NJ, et al. **Br Med J [Clin Res]** 1987 May 30; 294(6584):1384–5

Localized colonic ischemia simulating annular carcinoma. Nguyen KT, et al. **J Can Assoc Radiol** 1987 Jun;38(2):141–2

Clinical features of nongangrenous ischemic colitis. A comparison of stricturing and transient forms. Iida M, et al. **J Clin Gastroenterol** 1986 Dec;8(6):635–9

Computed tomography of intramural intestinal hemorrhage and bowel ischemia. Balthazar EJ, et al. **J Comput Assist Tomogr** 1987 Jan–Feb;11(1):67–72

Use of Iohexol in the radiographic diagnosis of ischemic bowel [letter] Erpicum P, et al. **J Pediatr Surg** 1987 May; 22(5):476–7

Small intestine ischemia simulating primary colonic disease. Glick SN, et al. **Radiology** 1987 Jul;164(1):43–6

Ischemic colitis: serial changes in double-contrast barium enema examination [letter] Reeders JW, et al. **Radiology** 1987 Feb;162(2):583

[Segmental ischemic lesions of the mesenteric small intestine] Maurano A, et al. **Radiol Med (Torino)** 1987 Jan–Feb; 73(1–2):35–8 (Eng. Abstr.) **(Ita)**

[The study of x-ray findings in experimental ischemic enteritis—with special reference to deformity of the intestinal canal and its pathogenesis] Tsukasa S, et al. **Rinsho Hoshasen** 1987 Apr;32(4):485–93 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Non-invasive investigation of lower limb revascularisation using resting thallium peripheral perfusion imaging. Earnshaw JJ, et al. **Eur J Nucl Med** 1986;12(9):443–6

Increased extremity uptake on three-phase bone scans caused by peripherally induced ischemia prior to injection. Lecklitner ML, et al. **J Nucl Med** 1987 Jan;28(1):108–11

Subcutaneous adipose tissue blood flow in the forefoot during 24 hours. Labeling pattern and reproducibility. Jelnes R, et al. **Scand J Clin Lab Invest** 1987 May;47(3):223–7

[Detection of ischemic muscle necroses using 99mTc perfusion scintigraphy of traumatized extremities] Tittel K, et al. **Unfallchirurgie** 1987 Apr;13(2):55–9 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

[Effect of helium-neon laser radiation on restoration of the structure of the microcirculatory bed and neurocytes of the small intestine following experimental ischemia] Mel'man EP, et al. **Arkh Anat Gistol Embriol** 1987 May; 92(5):39–45 (Eng. Abstr.) **(Rus)**

SURGERY

Morphological changes in femoropopliteal venous grafts. Majewski W, et al. **Acta Chir Belg** 1986 Nov–Dec; 86(6):340–4

Outflow resistance measurement during infrainguinal arterial reconstructions: a reliable predictor of limb salvage. Ascer E, et al. **Am J Surg** 1987 Aug;154(2):185–8

Prospective comparison of noninvasive techniques for amputation level selection. Malone JM, et al. **Am J Surg** 1987 Aug;154(2):179–84

Popliteal-to-tibial in situ saphenous vein bypass for limb salvage in diabetic patients. Rhodes GR, et al. **Am J Surg** 1987 Aug;154(2):245–7

Use of the short saphenous vein in situ for popliteal-to-distal artery bypass. Shandall AA, et al. **Am J Surg** 1987 Aug; 154(2):240–4

Autogenous reversed vein bypass for lower extremity ischemia in patients with absent or inadequate greater saphenous vein. Taylor LM Jr, et al. **Am J Surg** 1987 May; 153(5):505–10

Preservation of compromised intestine after ischemic injury. Bellenis IP, et al. **Am Surg** 1987 May;53(5):260–3

Distal bypass for limb salvage in very elderly patients. O'Mara CS, et al. **Am Surg** 1987 Feb;53(2):66–70

Reversed vein bypass to infrapopliteal arteries. Modern results are superior to or equivalent to in-situ bypass for patency and for vein utilization. Taylor LM Jr, et al. **Ann Surg** 1987 Jan;205(1):90–7

Sequential femoro-popliteal-tibial bypass grafting: operative technique and results. Lamberth WC Jr, et al. **Ann Thorac Surg** 1986 Dec;42(6 Suppl):S31–5

Totally autogenous venovenous composite bypass grafts. Salvage of the almost irretrievable extremity. Harris RW, et al. **Arch Surg** 1986 Oct;121(10):1128–32

The management of early in situ saphenous vein bypass occlusions. Shoenfeld NA, et al. **Arch Surg** 1987 Aug; 122(8):871–5

Direct arterial pressure measurements during operation to assess adequacy of arterial reconstruction in lower limb ischaemia. Tweedie JH, et al. **Br J Surg** 1986 Nov; 73(11):879–81

Coagulation responses to heparin in the ischemic limb: assessment of thrombin and platelet activation during vascular surgery. Sobel M, et al. **Circulation** 1987 Sep;76(3 Pt 2):III8–13

Vascular evaluation and treatment of the diabetic. Gibbons GW, et al. **Clin Podiatr Med Surg** 1987 Apr;4(2):377–81

Importance of the preoperative haemoglobin concentration in arterial surgery. Matrai A, et al. **Eur Surg Res** 1987; 19(1):1–5

Extended femoro-distal bypasses for limb salvage: are they worthwhile? Doerrler J, et al. **Int Angiol** 1986 Jul–Sep; 5(3):131–5

Profunda femoris revascularization in limb salvage. Miksic K, et al. **J Cardiovasc Surg (Torino)** 1986 Sep–Oct; 27(5):544–52

The reoperative potential of infrainguinal bypass: long-term limb and patient survival. Bartlett ST, et al. **J Vasc Surg** 1987 Jan;5(1):170–9

Supraceliac aortomesenteric bypass for intestinal ischemia. Beebe HG, et al. **J Vasc Surg** 1987 May;5(5):749–54

A comparison of in situ and reversed saphenous vein grafts for infrainguinal reconstruction. Fogle MA, et al. **J Vasc Surg** 1987 Jan;5(1):46–52

Lower extremity amputation: the control series. Keagy BA, et al. **J Vasc Surg** 1986 Oct;4(4):321–6

Renal revascularization in patients with a single functioning ischemic kidney. McCready RA, et al. **J Vasc Surg** 1987 Aug;6(2):185–90

Acute limb ischemia: thromboembolism. Tawes RL Jr, et al. **J Vasc Surg** 1987 Jun;5(6):901–3

Carotid artery occlusion and ocular ischemia: therapy control with evoked potentials. Mehdorn HM, et al. **Neurosurgery** 1986 Dec;19(6):1031–4

Alternative autogenous vein grafts to the inadequate saphenous vein. Harris RW, et al. **Surgery** 1986 Nov; 100(5):822–7

Relationship between transcutaneous oxygen tension, ankle blood pressure, and clinical outcome of vascular surgery in diabetic and nondiabetic patients. Wyss CR, et al. **Surgery** 1987 Jan;101(1):56–62

Prognostic factors contributing to the long-term failure of femorotibial grafts. Harjola PT, et al. **Vasa** 1987;16(1):45–9

Femoro-brachial bypass: unusual positioning of an extra-anatomic graft. Ketterhagen JP. **Wis Med J** 1987 May;86(5):28–9

Unusual finger tip injury in children. Gupta R, et al. **Z Kinderchir** 1987 Feb;42(1):55–6

[Staged arteriovenous reversal in the treatment of severely ischemic lower extremities] Sun JM, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Nov;24(11):664–7, 699 (Eng. Abstr.) **(Chi)**

[Risk factors in patients after reconstructive vascular operations and their significance in the postoperative course] Bartoš J, et al. **Rozhl Chir** 1986 Aug;65(8–9):552–60 (Eng. Abstr.) **(Cze)**

[Indications for argon laser treatment of diabetic ischemic retinopathy] Haut J, et al. **Bull Soc Ophtalmol Fr** 1986 Nov; 86(11):1375–6 **(Fre)**

[Panretinal photocoagulation in ischemic diabetic retinopathy and the fate of visual function] Malbrel C, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1377–8, 1383 **(Fre)**

[Results of 5 years' photocoagulation of ischemic diabetic retinopathy] Segal A, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1393–8 (Eng. Abstr.) **(Fre)**

[Failure of laser photocoagulation in ischemic retinopathy associated with carotid occlusion] Turut P, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1297–9 **(Fre)**

[Selection of the amputation site in end-stage arterial occlusive disease] Becker HM, et al. **Langenbecks Arch Chir** 1987;370(3):197–205 **(Ger)**

[Amputations] Marquardt E, et al. **Z Orthop** 1986 Jul–Aug; 124(4):422–5 **(Ger)**

[Femoro-femoral bypass associated with thromboembolectomy with the Fogarty catheter in acute ischemia of the legs] Cortese F, et al. **Minerva Chir** 1987 Jun 15;42(11):941–3 (Eng. Abstr.) **(Ita)**

[Acute intestinal ischemia. A clinical review of a surgical case record] Cortese F, et al. **Minerva Chir** 1986 Jul 31; 41(13–14):1215–21 (Eng. Abstr.) **(Ita)**

[Value of transcutaneous measurements of oxygen pressure in determining the level of amputation in patients with chronic occlusion of arteries of the lower extremities] Noszczyk W, et al. **Chir Narzadow Ruchu Ortop Pol** 1986; 51(3):169–73 (Eng. Abstr.) **(Pol)**

[Early results of treatment of atherosclerotic ischemia of the lower extremities by means of lumbar sympathectomy] Dziki A, et al. **Pol Tyg Lek** 1987 Mar 23–30; 42(12–13):371–2 (Eng. Abstr.) **(Pol)**

[Evaluation of surgical treatment of peripheral ischemia of the lower extremities of atherosclerotic origin] Górski P, et al. **Pol Tyg Lek** 1987 Mar 23–30;42(12–13):368–70 (Eng. Abstr.) **(Pol)**

[Postoperative mortality rate in patients undergoing surgery for atherosclerotic ischemia of the lower extremities] Kulicki M, et al. **Pol Tyg Lek** 1987 Mar 23–30; 42(12–13):382–6 (Eng. Abstr.) **(Pol)**

[Reoperations in patients with atherosclerotic ischemia of the lower extremities] Skóra K, et al. **Pol Tyg Lek** 1987 Mar 23–30;42(12–13):379–81 (Eng. Abstr.) **(Pol)**

[Sympathectomy as a supplementary reconstructive surgery in multilevel atherosclerosis of the lower extremities] Trenkner M. **Pol Tyg Lek** 1987 Mar 23–30;42(12–13):373–4 (Eng. Abstr.) **(Pol)**

[Lateral approach in reconstruction of the tibial arteries] Volodos' NL, et al. **Khirurgiia (Mosk)** 1987 Jun;(6):55–8 (Eng. Abstr.) **(Rus)**

[Rheohepatography in the complex surgical treatment of diabetic angiopathies of the lower extremities] Shevchuk MG, et al. **Klin Khir** 1986;(7):54–6 (Eng. Abstr.) **(Rus)**

[Levels and methods of amputation in patients with chronic arterial ischemia] Sanin VG, et al. **Ortop Travmatol Protez** 1986 Dec;(12):23–8 (Eng. Abstr.) **(Rus)**

[Surgical management of thrombosis and embolism of major arteries with prolonged ischemia of the extremities] Dotsenko AP, et al. **Sov Med** 1987;(6):99–102 **(Rus)**

[Choice of the surgical intervention method in patients with chronic abdominal ischemia] Gavrilenko AV, et al. **Vestn Khir** 1987 Jan;138(1):13–7 (Eng. Abstr.) **(Rus)**

[Surgical treatment of chronic ischemia of the digestive organs] Ignashov AM, et al. **Vestn Khir** 1986 Nov; 137(11):141–5 (45 ref.) **(Rus)**

[Use of the human umbilical vein in arterial surgery of the lower extremities] Stepanov GA, et al. **Vestn Khir** 1986 Jul;137(7):82–6 (Eng. Abstr.) **(Rus)**

[Kinesiotherapy of ischemic disease of the lower extremities in patients after reconstructive arterial surgery] Gavornik P, et al. **Cas Lek Cesk** 1986 Aug 8;125(32):1000–3 (Eng. Abstr.) **(Slo)**

[Femoropopliteal venous bypass in situ] Palkan J. **Rozhl Chir** 1986 Aug;65(8–9):612–6 (Eng. Abstr.) **(Slo)**

[Intestinal revascularization] Gutiérrez Carreño R, et al. **Angiologia** 1987 Jul Aug;39(4):166–70 (Eng. Abstr.) **(Spa)**

THERAPY

Clinical salvage of an ischemic flap with diode laser irradiation. Maruyama Y, et al. **Acta Chir Plast** 1986; 28(4):232–7

Tissue ischemia and hyperbaric oxygen treatment: an experimental study. Nylander G. **Acta Chir Scand [Suppl]** 1986;533:1–109

Treatment of intestinal ischemia with oxygenated intraluminal perfluorocarbons. Oldham KT, et al. **Am J Surg** 1987 Mar;153(3):291–4

Intestinal circulation, enteral nutrition, and inoperable abdominal angina [letter] van der Heide JJ, et al. **Ann Intern Med** 1987 Oct;107(4):592

Below knee femoropopliteal bypass in severe ischaemia: results using EXS Dacron and human umbilical vein. Clifford PC, et al. **Ann R Coll Surg Engl** 1986 Nov; 68(6):319–22

Extending the limits of limb salvage. Abbott WM, et al. **Annu Rev Med** 1987;38:341–50 (18 ref.)

New developments in therapy of refractory traumatic shock. Fine J, et al. **Arch Surg** 1968 Feb;96(2):163–75

Self-regulation treatment of post-polio cold limb. Dietvorst TF, et al. **Biofeedback Self Regul** 1986 Jun;11(2):157–61

The place of percutaneous transluminal angioplasty in the treatment of patients having angiography for ischaemic disease of the lower limb. McLean L, et al. **Clin Radiol** 1987 Mar;38(2):157–60

The acute management of severe limb ischaemia. Yeo C, et al. **Ir Med J** 1986 Oct;79(10):285–7

Topical cocaine prior to treatment of penile tourniquet syndrome. Mariani PJ, et al. **J Emerg Med** 1986;4(3):205–7

Femorofemoral grafts for lower limb ischemia caused by intra-aortic balloon pump. Friedell ML, et al. **J Vasc Surg** 1987 Jan;5(1):180–6

Metabolic effects of hyperbaric oxygen in postischemic muscle. Nylander G, et al. **Plast Reconstr Surg** 1987 Jan; 79(1):91–7

Vascular perfusion of the ischemic small intestine. Juhász M, et al. **Prog Clin Biol Res** 1987;236A:503–8

Beneficial effects of transplantation of liver tissue fragments on acute ischemic liver injury in dogs. Asano T, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):595–7

[Prevention of infections with antibiotics in leg amputations for ischemia] Sosne-Holm S, et al. **Ugeskr Laeger** 1987 Feb 9;149(7):436–8 (Eng. Abstr.) **(Dan)**

[Treatment of acute ischemia of the hand] Van der Stricht J. **Phlebologie** 1987 Apr–Jun;40(2):511–5 (Eng. Abstr.) **(Fre)**

[Peripheral arterial circulatory disorders. Mechanism of the effect and value of various therapeutic procedures] Pöhlmann G. **Forsch Med** 1987 May 20;105(15):293–6 (Eng. Abstr.) **(Ger)**

[Individual therapy of problem patients with chronic retinal and chorioretinal circulatory disorders of various origins] Brunner R, et al. **Fortschr Ophthalmol** 1986;83(6):684–6 (Eng. Abstr.) **(Ger)**

[Percutaneous transluminal angioplasty as an alternative to surgical intervention in angina abdominalis] Werner W, et al. **Vasa** 1987;16(2):186–9 (Eng. Abstr.) **(Ger)**

[Low molecular weight dextrans (Rheomacrodex) in the therapy of inner ear hearing loss] Erlach A, et al. **Wien Med Wochenschr** 1986 Sep 30;136(18):473–6 (Eng. Abstr.) **(Ger)**

[Assumptions, aims, and research methods on the results of treatment of atherosclerotic ischemia of the lower extremities] Noszczyk W, et al. **Pol Tyg Lek** 1987 Mar 23–30;42(12–13):347–9 **(Pol)**

[Effectiveness of hyperbaric oxygenation in ischemia of the lower extremities] Belov KV, et al. **Khirurgiia (Mosk)** 1986 Dec;(12):69–73 (Eng. Abstr.) **(Rus)**

VETERINARY

Surface oximetry of healthy and ischemic equine intestine. Snyder JR, et al. **Am J Vet Res** 1986 Dec;47(12):2530–5

Multifocal ischaemic encephalomyelopathy associated with fibrocartilaginous emboli in the lamb. Jeffrey M, et al. **Neuropathol Appl Neurobiol** 1986 Jul–Aug;12(4):415–24

ISCHEMIC HEART DISEASE see **CORONARY DISEASE**

ISCHIUM

ANATOMY & HISTOLOGY

The sciatic notch/acetabular index as a discriminator of sex in European skeletal remains. MacLaughlin SM, et al. **J Forensic Sci** 1986 Oct;31(4):1380–90

INJURIES

Apophyseolysis and osteochondrosis of the ischial tuberosity. Criteria of differential diagnosis. Cossi CG, et al. **Ital J Orthop Traumatol** 1986 Dec;12(4):515–24

Sciatica caused by an avulsion fracture of the ischial tuberosity. A case report. Miller A, et al. **J Bone Joint Surg [Am]** 1987 Jan;69(1):143–5

[Apophyseal rupture of ischial bone tuberosity] Lindner HO, et al. **Zentralbl Chir** 1987;112(2):109–14 (Eng. Abstr.) **(Ger)**

[Avulsion of the ischial tuberosity] Soudry M, et al. **Harefuah** 1985 Mar 15;108(6):291–2 (Eng. Abstr.) **(Heb)**

[Obturator dislocation after abduction treatment of congenital hip dislocation] Zwierzchowska D, et al. **Chir Narzadow Ruchu Ortop Pol** 1986;51(6):486–9 (Eng. Abstr.) **(Pol)**

PATHOLOGY

[Probable degeneration of a hyperparathyroid brown tumor] Schiano A, et al. **Rev Rhum Mal Osteoartic** 1987 Apr; 54(4):325–8 **(Fre)**

PHYSIOLOGY

Pressure distribution under the ischium of normal subjects. Bader DL, et al. **J Biomed Eng** 1986 Oct;8(4):353–7

RADIOGRAPHY

[Iconographic rubric. Ischiopubic osteochondrosis] Bernard C, et al. **Arch Fr Pediatr** 1986 Aug–Sep;43(7):505–6 **(Fre)**

[Pelvic pain following osteomyelitis of the middle foot] Erlemann R, et al. **Radiologe** 1987 Mar;27(3):141–2 **(Ger)**

[Ossification of muscle-tendon insertions on the ischiadic tubercle and pubic bone in a truck-driver] Bolz KD, et al. **Tidsskr Nor Laegeforen** 1986 Sep 20;106(26):2157–8 (Eng. Abstr.) **(Nor)**

SURGERY

The gluteal approach to the ischium. Bruns J, et al. **Arch Orthop Trauma Surg** 1986;105(6):369–72

Urethral complications following ischiectomy in spinal cord injury patients: a urethral pressure study. Hackler RH, et al. **J Urol** 1987 Feb;137(2):253–5

ISETHIONIC ACID see under **ALKYL SULFONATES**

ISLAM

Pain: points of view of Islamic theology. Al-Jeilani M. **Acta Neurochir [Suppl] (Wien)** 1987;38:132–5

Muslim parents' perception of and attitude towards cancer. Bahakim HM. **Ann Trop Paediatr** 1987 Mar;7(1):22–6

Meal frequency and nutritional intake during Ramadan: a pilot study. Frost G, et al. **Hum Nutr Appl Nutr** 1987 Feb; 41(1):47–50

Compliance and drug therapy in fasting Moslem patients. Aslam M, et al. **J Clin Hosp Pharm** 1986 Oct;11(5):321–5

The response of Islamic jurisprudence to ectopic pregnancies, frozen embryo implantation and euthanasia. Ghanem I. **Med Sci Law** 1987 Jul;27(3):187–90

Impact of cultural pressures on self-reports of actual and approved hand use. Payne MA. **Neuropsychologia** 1987; 25(1B):247–58

[Complications of ritual circumcision] Kaczmarek A. **Wiad Lek** 1987 Feb 1;40(3):171–4 (Eng. Abstr.) **(Pol)**

HISTORY

Insanity and its treatment in Islamic society. Dols MW. **Med Hist** 1987 Jan;31(1):1–14

Paediatric urology 1000 years ago. Abdel-Halim RE. **Prog Pediatr Surg** 1986;20:256–64

Pediatric surgery in Islamic medicine from the Middle Ages to the Renaissance. Montagnani CA. **Prog Pediatr Surg** 1986;20:39–51

ISLAND FLAPS see **SURGICAL FLAPS**

ISLANDS OF LANGERHANS

Nesidioblastosis: diagnosis and treatment. Schenk DE, et al. **J La State Med Soc** 1987 Feb;139(2):22–4, 29

Maintenance of fetal human pancreatic beta cells in tissue culture. McEvoy RC, et al. **Med Biol** 1986;64(5):271–6

Cryopreservation of mouse pancreatic islets. Effects of fast cooling on islet B cell function and on the outcome of islet transplantation. Sandler S, et al. **Transplantation** 1986 Dec;42(6):588–93

ANALYSIS

Modifications of the pancreatic beta-cell function after lowering their potassium content. Bergsten P, et al. **Acta Physiol Scand** 1986 Dec;128(4):619–28

The insulin secretory granule: features and functions in common with other endocrine granules. Hutton JC, et al. **Adv Exp Med Biol** 1986;211:385–96

Immunocytochemical studies on the pancreatic islets of the ratfish Chimaera monstrosa. Yui R, et al. **Arch Histol Jpn** 1986 Aug;49(3):369–77

Structure of a peptide from coho salmon endocrine pancreas with homology to neuropeptide Y. Kimmel JR, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1084–91

A novel peptide in the calcitonin gene related peptide family as an amyloid fibril protein in the endocrine pancreas. Westermark P, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):827–31

Proton microprobe analysis of 15 elements in pancreatic B cells and exocrine pancreas in diabetic Chinese hamsters. Juntti-Berggren L, et al. **Biosci Rep** 1987 Jan;7(1):33–41

Increase in cAMP levels in beta-cell line potentiates insulin secretion without altering cytosolic free-calcium concentration. Hill RS, et al. **Diabetes** 1987 Apr;36(4):440–6

Quantitative analysis of pancreatic proinsulin mRNA in genetically diabetic (db/db) mice. Orland MJ, et al. **Diabetes** 1987 Mar;36(3):341–7

Evidence for presence of proinsulin-immunoreactive glycoprotein(s) in fetal bovine pancreatic extracts. Tung AK, et al. **Diabetes** 1987 Apr;36(4):491–9

Ultrastructural localization of gamma amino butyric acid immunoreactivity in B cells of the rat pancreas. Garry DJ, et al. **Diabetologia** 1987 Feb;30(2):115–9

High-performance liquid chromatography (HPLC): a rapid, flexible and sensitive method for separating islet proinsulin and insulin. Halban PA, et al. **Diabetologia** 1986 Dec; 29(12):893–6

Gastric inhibitory polypeptide receptor in hamster pancreatic beta cells. Direct cross-linking, solubilization and characterization as a glycoprotein. Amiranoff B, et al. **Eur J Biochem** 1986 Sep 1;159(2):353–8

Primary structures of three fragments of proglucagon from the pancreatic islets of the daddy Sculpin (Cottus scorpius). Conlon JM, et al. **Eur J Biochem** 1987 Apr 1;164(1):117–22

The amino-acid sequences of sculpin islet somatostatin-28 and peptide YY. Cutfield SM, et al. **FEBS Lett** 1987 Apr 6;214(1):57–61

Characterization of coho salmon (Oncorhynchus kisutch) islet somatostatins [published erratum appears in Gen Comp Endocrinol 1987 Jan;65(1):166] Plisetskaya EM, et al. **Gen Comp Endocrinol** 1986 Aug;63(2):252–63

Immunolocalization of insulin, glucagon, pancreatic polypeptide, and somatostatin in the pancreatic islets of the possum, Trichosurus vulpecula. Reddy S, et al. **Gen Comp Endocrinol** 1986 Oct;64(1):157–62

Chromogranin A (CGA) in the gastro-entero-pancreatic (GEP) endocrine system. I. CGA in the mammalian endocrine pancreas. Grube D, et al. **Histochemistry** 1986; 85(6):441–52

Immunological characterization of chromogranins A and B and secretogranin II in the bovine pancreatic islet. Yoshie S, et al. **Histochemistry** 1987;87(2):99–106

Islet amyloid formed from diabetes-associated peptide may be pathogenic in type-2 diabetes. Clark A, et al. **Lancet** 1987 Aug 1;2(8553):231–4

Islet amyloid polypeptide [letter] Westermark P, et al. **Lancet** 1987 Sep 12;2(8559):623

HPLC analysis of nucleotide profiles in glucose-stimulated perifused rat islets. Hoenig M, et al. **Metabolism** 1987 Mar; 36(3):295–301

Immunohistochemical study of islet amyloid in diabetes mellitus. Fang TY, et al. **Pancreas** 1986;1(4):293–300

The offspring of the female diabetic "nonobese diabetic" (NOD) mouse are large for gestational age and have elevated pancreatic insulin content: a new animal model of human diabetic pregnancy. Formby B, et al. **Proc Soc Exp Biol Med** 1987 Mar;184(3):291–4

Immunocytochemistry of normal pancreatic islets and spontaneous islet cell tumors in dogs. Hawkins KL, et al. **Vet Pathol** 1987 Mar;24(2):170–9

[Immunohistochemical localization of pancreatic endocrine cells in the hamster] Furukawa F, et al. **Elsei Shikenjo Hokoku** 1986;(104):77–82 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

The long-term culture of encapsulated pancreatic islets.

Braun K, et al. **Exp Clin Endocrinol** 1986 Aug;87(3):313–8

BLOOD SUPPLY

Glucose-induced changes in pancreatic islet blood flow mediated by central nervous system. Jansson L, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):E644–7

Vital microscopy of islet blood flow: catecholamine effects in normal and ob/ob mice. Rooth P, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):E130–5

Hormone release from pancreatic islets perfused from venous side. Kawai K, et al. **Diabetes** 1987 Mar;36(3):256–60

The blood flow to the islets of Langerhans in different regions of the rat pancreas. Jansson L, et al. **Proc Soc Exp Biol Med** 1987 Sep;185(4):474–7

[Vascular architecture of the islands of Langerhans studied by the corrosion method] Roşca G, et al. **Morphol Embryol (Bucur)** 1986 Jul–Sep;32(3):155–8 **(Fre)**

CYTOLOGY

Somatostatin-containing and other endocrine cells in the pancreas of the spectacled caiman. Rhoten WB. **Acta Anat (Basel)** 1987;129(4):257–61

Islet cell population changes induced by short term ovariectomy. Semino MC, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(4):439–45

Distribution of cell types of the islets of Langerhans throughout the pancreas of the Chacma baboon. Wolfe-Coote SA, et al. **Anat Rec** 1987 Feb;217(2):172–7

Immunostaining of a cell type in the islets of Langerhans of the monkey Macaca irus by antibodies against S-100 protein. Girod C, et al. **Cell Tissue Res** 1987 Jan;247(1):11–6

Insulin-, glucagon- and somatostatin-like immunoreactivity in the endocrine pancreas of the lungfish, Neoceratodus forsteri. Hansen GN, et al. **Cell Tissue Res** 1987 Apr; 248(1):181–5

Oxytocin-like immunoreactive nerves are associated with insulin-containing cells in pancreatic islets of anglerfish (Lophius americanus). McDonald JK, et al. **Cell Tissue Res** 1987 Jul;249(1):7–12

Differentiation of prospective mouse pancreatic islet cells during development in vitro and during regeneration. Teitelman G, et al. **Dev Biol** 1987 Apr;120(2):425–33

Immunohistochemical colocalization of GABA and insulin in beta-cells of rat islet. Garry DJ, et al. **Diabetes** 1986 Oct;35(10):1090–5

Spontaneous reassociation of dispersed adult rat pancreatic islet cells into aggregates with three-dimensional architecture typical of native islets. Halban PA, et al. **Diabetes** 1987 Jul;36(7):783–90

Islet cytotoxicity of interleukin 1. Influence of culture conditions and islet donor characteristics. Mandrup-Poulsen T, et al. **Diabetes** 1987 May;36(5):641–7

Microencapsulation of pancreatic islets. A technique and its application to culture and transplantation. Hamaguchi K, et al. **Diabetes Res Clin Pract** 1986 Nov–Dec;2(6):337–45

Resistance of the insulin crystal to lysosomal proteases: implications for pancreatic B-cell crinophagy. Halban PA, et al. **Diabetologia** 1987 May;30(5):348–53

Regulation of pancreatic islet cell replication: an inquiry into the controversy regarding the effects of steroid hormones. Khatim MS, et al. **Endocrinology** 1986 Dec;119(6):2455–60

An immunocytochemical and ultrastructural study of the endocrine pancreas of Sparus auratus L. (Teleostei). Abad ME, et al. **Gen Comp Endocrinol** 1986 Oct;64(1):1–12

Maintenance of pancreatic endocrine cells of the neonatal rat: Part IX--Reversal of 2-deoxyglucose effects by mannose. Kagawa S, et al. **Indian J Biochem Biophys** 1986 Dec;23(6):344–7

Chromogranin A in the pancreatic islet: cellular and subcellular distribution. Ehrhart M, et al. **J Histochem Cytochem** 1986 Dec;34(12):1673–82

Separate cell types that express two different forms of somatostatin in anglerfish islets can be immunohistochemically differentiated. McDonald JK, et al. **J Histochem Cytochem** 1987 Feb;35(2):155–62

Computer automated cell size and shape analysis in cryomicroscopy. Diller KR, et al. **J Microsc** 1987 May;146 (Pt 2):209–19

Presence of endocrine cells in pancreatic ducts. Bendayan M. **Pancreas** 1987;2(4):393–7

A culture method for the isolation of pancreatic islet cells from young rats. Ishizuka J, et al. **Pancreas** 1986;1(6):494–7

Giemsa stain applied to deplasticized sections to identify pancreatic islet cells. Díaz de Rada O, et al. **Stain Technol** 1986 Nov;61(6):367–73

A simple methodological principle for large scale extraction and purification of collagenase-digested islets. Müller-Ruchholtz W, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):911–5

Isolation of viable islets of Langerhans from collagenase-perfused canine and human pancreata. Rajotte RV, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):918–22

Bovine serum albumin density gradient isolation of rat pancreatic islets. Lake SP, et al. **Transplantation** 1987 Jun; 43(6):805–8

Isolation of rat pancreatic islets by ductal injection of collagenase [published erratum appears in Transplantation 1987 Apr;43(4):608] Sutton R, et al. **Transplantation** 1986 Dec;42(6):689–91

Survival of cryopreserved isolated adult human pancreatic islets of Langerhans. Warnock GL, et al. **Transplantation** 1987 Jul;44(1):75–82

[Specific lectin binding on pancreatic tissue and its applicability in the isolation of islet cells] Petersen P, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986; 19(4):262–6 **(Ger)**

[A new purification method of the insulin secreting cells by applying affinity chromatography] Saito F. **Nippon Ika Daigaku Zasshi** 1986 Oct;53(5):454–9 (Eng. Abstr.) **(Jpn)**

[Exocrine acinar cells in the islets of Langerhans] Suda K, et al. **Rinsho Byori** 1986 Oct;34(10):1203–7 **(Jpn)**

DRUG EFFECTS

The characterization of phenazine methosulfate stimulated insulin secretion. Akpan JO, et al. **Acta Diabetol Lat** 1987 Jan-Mar;24(1):65–78

Synthetic analogs of cholecystokinin terminal tetrapeptide that stimulate insulin but not glucagon release from pancreatic islets. Khalid P, et al. **Acta Diabetol Lat** 1986 Jul-Sep;23(3):239–42

Diabetogenic action of streptozotocin: essential role of membrane permeability. Beppu H, et al. **Acta Endocrinol (Copenh)** 1987 Jan;114(1):90–5

Glucose, beta adrenergic effects, and pancreatic endocrine function in the isolated perfused duck pancreas. Gross R, et al. **Acta Endocrinol (Copenh)** 1987 May;115(1):105–11

Characterization of growth hormone-releasing hormone stimulation of the endocrine pancreas: studies with alpha- and beta-adrenergic and cholinergic antagonists. Hermansen K, et al. **Acta Endocrinol (Copenh)** 1987 Apr; 114(4):589–94

Ultrastructural studies of time-course and cellular specificity of interleukin-1 mediated islet cytotoxicity. Mandrup-Poulsen T, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1987 Apr; 95(2):55–63

Effects of tetracaine on insulin release and calcium handling by rat pancreatic islets. el Motal SM, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):E727–33

Asperlicin antagonizes stimulatory effects of cholecystokinin on isolated islets. Zawalich WS, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):E370–4

Effects of maitotoxin on ionic and secretory events in rat pancreatic islets. Lebrun P, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):172–7

Effects of dehydrouramil on protein phosphorylation and insulin secretion in rat islets of Langerhans. Harrison DE, et al. **Biochem J** 1986 Jul 1;237(1):191–6

The coupling of metabolic to secretory events in pancreatic islets: inhibition by 2-cyclohexene-1-one of the secretory response to cyclic AMP and cytochalasin B. Malaisse WJ, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3709–17

The coupling of metabolic to secretory events in pancreatic islets: effects of 2-cyclohexene-1-one upon GSH content and secretory behaviour. Sener A, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3701–8

Glucose-induced changes in cytosolic ATP content in pancreatic islets. Malaisse WJ, et al. **Biochim Biophys Acta** 1987 Feb 18;927(2):190–5

Cadmium-induced insulin release does not involve changes in intracellular handling of calcium. Nilsson T, et al. **Biochim Biophys Acta** 1987 Jun 15;929(1):81–7

Glucose-induced reduction of the sodium content in beta-cell-rich pancreatic islets. Wesslén N, et al. **Biosci Rep** 1986 Nov;6(11):967–72

A comparison of the effects of streptozotocin, N-methylnitrosourea and alloxan on isolated islets of Langerhans. Akpan JO, et al. **Diabete Metab** 1987 Apr; 13(2):122–8

Effect of two periods with intensified insulin treatment on B-cell function during the first 18 months of type 1 (insulin-dependent) diabetes mellitus. Krarup T, et al. **Diabete Metab** 1986 Oct;12(5):256–60

Role of cyclosporin A in macromolecular synthesis of beta-cells. Eun HM, et al. **Diabetes** 1987 Aug;36(8):952–8

Selective unresponsiveness of pancreatic beta-cells to acute sulfonylurea stimulation during sulfonylurea therapy in NIDDM [published erratum appears in Diabetes 1987 Mar;36(3):following 406] Karam JH, et al. **Diabetes** 1986 Dec;35(12):1314–20

Fuel-stimulated insulin secretion by clonal hamster beta-cell line HIT T-15. Meglasson MD, et al. **Diabetes** 1987 Apr; 36(4):477–84

Receptor-mediated adenylate cyclase-coupled mechanism for PGE2 inhibition of insulin secretion in HIT cells. Robertson RP, et al. **Diabetes** 1987 Sep;36(9):1047–53

Growth hormone regulation of somatomedin C/insulin-like growth factor I production and DNA replication in fetal rat islets in tissue culture. Swenne I, et al. **Diabetes** 1987 Mar;36(3):288–94

Prior cholecystokinin exposure sensitizes islets of Langerhans to glucose stimulation. Zawalich WS, et al. **Diabetes** 1987 Jan;36(1):118–22

Interaction between D-glucose and Ca2+ in the priming of the pancreatic B-cell. Malaisse WJ, et al. **Diabetes Res** 1987 Jan;4(1):5–8

Reproducibility of the glucagon test. Arnold-Larsen S, et al. **Diabetic Med** 1987 Jul-Aug;4(4):299–303

Effects of calcitonin gene-related peptide (CGRP) on islet hormone secretion in the pig. Ahrén B, et al. **Diabetologia** 1987 May;30(5):354–9

Dihydroergotamine, but not naloxone, counteracts lithium as an inhibitor of glucose-induced insulin release in isolated rat islets in vitro. Fontela T, et al. **Diabetologia** 1987 Mar; 30(3):183–7

Reversibility of the acute toxic effect of cyclosporin A on pancreatic B cells of Wistar rats. Hahn HJ, et al. **Diabetologia** 1986 Aug;29(8):489–94

Effect of a hypoglycaemic agent M&B 39890A on glucagon secretion in isolated rat islets of Langerhans. Tadayyon M, et al. **Diabetologia** 1987 Jan;30(1):41–3

Catecholamine inhibition of Ca2+-induced insulin secretion from electrically permeabilised islets of Langerhans. Jones PM, et al. **FEBS Lett** 1987 Jul 13;219(1):139–44

Alpha 2-adrenergic inhibition of pancreatic islet glucose utilization is mediated by an inhibitory guanine nucleotide regulatory protein. Laychock SG, et al. **FEBS Lett** 1987 Jun 22;218(1):7–10

Glucose stimulates the biosynthesis of rat I and II insulin to an equal extent in isolated pancreatic islets. Rhodes CJ, et al. **FEBS Lett** 1987 May 4;215(1):179–82

Morphology of the chronic toxicity of busulfan on the islets of Langerhans in the rat. Kaduk B, et al. **Hepatogastroenterology** 1987 Jun;34(3):108–12

The effect of artificial sweetener on insulin secretion. II. Stimulation of insulin release from isolated rat islets by Acesulfame K (in vitro experiments). Liang Y, et al. **Horm Metab Res** 1987 Jul;19(7):285–9

Maintenance of pancreatic endocrine B cells of neonatal rat. Part XI. Effect of 2-deoxyglucose-6-phosphate. Kagawa S, et al. **Indian J Biochem Biophys** 1987 Feb;24(1):39–42

Increased cytosolic calcium. A signal for sulfonylurea-stimulated insulin release from beta cells. Nelson TY, et al. **J Biol Chem** 1987 Feb 25;262(6):2608–12

Stimulation of growth hormone synthesis by glucose in islets of Langerhans isolated from transgenic mice. Welsh M, et al. **J Biol Chem** 1986 Oct 5;261(28):12915–7

Protective effect of 4,6-O-ethylidene glucose against the cytotoxicity of streptozotocin in pancreatic beta cells in vivo: indirect evidence for the presence of a glucose transporter in beta cells. Kawada J, et al. **J Endocrinol** 1987 Mar;112(3):375–8

Ethanol influence on calcium uptake and insulin release by rat islets. Pullen GL, et al. **J Endocrinol Invest** 1987 Feb; 10(1):9–14

Cyclic adenosine monophosphate differently affects the response of mouse pancreatic beta-cells to various amino acids. Henquin JC, et al. **J Physiol (Lond)** 1986 Dec; 381:77–93

Diabetogenic effect of pentamidine [letter] Yurdakök M. **JAMA** 1987 Mar 6;257(9):1177

Glucagon-like peptide-1 and the entero-insular axis in obese hyperglycaemic (ob/ob) mice. Bailey CJ, et al. **Life Sci** 1987 Feb 9;40(6):521–5

Effects of highly potent octapeptide analogs of somatostatin on growth hormone, insulin and glucagon release. Karashima T, et al. **Life Sci** 1987 Aug 24;41(8):1011–9

Effect of porcine gastric inhibitory polypeptide on beta-cell function in type I and type II diabetes mellitus. Krarup T, et al. **Metabolism** 1987 Jul;36(7):677–82

Effect of glibenclamide on pancreatic hormone release from isolated perifused islets of normal and cysteamine-treated rats. Sako Y, et al. **Metabolism** 1986 Oct;35(10):944–9

Effects of disopyramide on insulin secretion in the perfusion of isolated rat pancreas in situ. Kimura F, et al. **Nippon Ika Daigaku Zasshi** 1987 Jun;54(3):339–45

Responses of pancreatic b cells to alloxan and streptozotocin in the guinea pig. Gorray KC, et al. **Pancreas** 1986; 1(2):130–8

Sensitivity to pentamidine but resistance to streptozotocin of tumoral insulin-producing cells (RINm5F line). Sener A, et al. **Pancreas** 1986;1(6):550–5

Decreased glucose stimulation threshold, enhanced insulin secretion, and increased beta cell coupling in islets of prolactin-treated rats. Sorenson RL, et al. **Pancreas** 1987; 2(3):283–8

The effect of gastrin-releasing peptide on the endocrine pancreas. Knuhtsen S, et al. **Regul Pept** 1987 May; 17(5):269–76

Cytoplasmic vacuolation of pancreatic beta cells of rats after oral administration of a derivative of isoquinoline. Kast A, et al. **Toxicol Appl Pharmacol** 1986 Sep 15;85(2):274–85

The effect of cysteamine on the somatostatin content of guinea-pig islets. Petersson B. **Ups J Med Sci** 1987; 92(1):85–8

Ultrastructural aspects of streptozotocin cytotoxicity on rat pancreatic islets in vitro. Test of a protective effect of zinc. Flament P, et al. **Virchows Arch [B]** 1987;53(2):107–12

Influence of an absorbable alpha-glucosidase inhibitor (Bay o 1248) on the endocrine and exocrine pancreas of the rat. Göke B, et al. **Z Gastroenterol** 1986 Dec;24(12):758–66

[Preventive effect of somatostatin on the secretory function of islet B-cells against the damage produced by streptozotocin] Tu YH, et al. **Sheng Li Hsueh Pao** 1987 Feb;39(1):92–7 (Eng. Abstr.) **(Chi)**

[Cytoprotective effect of prostaglandin E2 on pancreatic islet beta-cells of alloxan-induced diabetic rats] Wang JL, et al. **Sheng Li Hsueh Pao** 1986 Apr;38(2):191–201 (Eng. Abstr.) **(Chi)**

[Effect of glucocorticoids on the endocrine system of the pancreas of the pigeon and rat after a food load] Poliakova TI, et al. **Arkh Anat Gistol Embriol** 1987 Jun;92(6):27–32 (Eng. Abstr.) **(Rus)**

[Effect of taurine on the functional status of the insular

apparatus and adrenal cortex of the rat with experimental diabetes] Mizina TIu, et al. **Probl Endokrinol (Mosk)** 1987 Mar–Apr;33(2):63–6 (Eng. Abstr.) **(Rus)**

[Role of the time factor in the pancreatic and extrapancreatic mechanisms of action of glibenclamide] Tikhonova EP, et al. **Probl Endokrinol (Mosk)** 1987 Mar–Apr;33(2):29–33 (Eng. Abstr.) **(Rus)**

[Effect of atropine on the mechanisms of intestinoinsular interaction] Zelenin VN. **Probl Endokrinol (Mosk)** 1986 Sep–Oct;32(5):59–61 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Cell lineage analysis of pancreatic islet development: glucagon and insulin cells arise from catecholaminergic precursors present in the pancreatic duct. Teitelman G, et al. **Dev Biol** 1987 Jun;121(2):454–66

Somatomedin–C in human fetal pancreas. Cellular localization and release during organ culture. Hill DJ, et al. **Diabetes** 1987 Apr;36(4):465–71

Effect of phorbol and glucose on insulin secretion from the human fetal pancreas. Tuch BE, et al. **Life Sci** 1987 Apr 6;40(14):1405–10

Immunocytochemical studies on the development of the pancreatic islet cells in the domestic fowl. Mikami S, et al. **Nippon Juigaku Zasshi** 1986 Aug;48(4):769–80

ENZYMOLOGY

Glucokinase in pancreatic B–cells and its inhibition by alloxan. Lenzen S, et al. **Acta Endocrinol (Copenh)** 1987 May;115(1):21–9

Potentiation of insulin release in response to amino acid methyl esters correlates to activation of islet glutamate dehydrogenase activity. Kofod H, et al. **Acta Physiol Scand** 1986 Nov;128(3):335–40

Protein carboxyl methylation in rat pancreatic islets: possible role in beta–cell function. Campillo JE, et al. **Adv Exp Med Biol** 1986;211:431–42

Muscarinic–agonist and guanine nucleotide activation of polyphosphoinositide phosphodiesterase in isolated islet–cell membranes. Dunlop ME, et al. **Biochem J** 1986 Dec 15;240(3):731–7

Aromatic–L–amino–acid decarboxylase activity in mouse pancreatic islets. Lindström P. **Biochim Biophys Acta** 1986 Nov 19;884(2):276–81

Presence of ATP–pyrophosphohydrolase in mouse pancreatic islets. Capito K, et al. **Diabetes** 1986 Oct; 35(10):1096–100

Identification of glucokinase as an alloxan–sensitive glucose sensor of the pancreatic beta–cell. Meglasson MD, et al. **Diabetes** 1986 Oct;35(10):1163–73

Stimulation by glucose and carbamylcholine of phospholipase A2 in pancreatic islets [letter] Jeremy JY, et al. **Diabetes Res** 1986 Jul;3(6):327

Polyamine–enhanced casein kinase II in mouse pancreatic islets. Thams P, et al. **Diabetologia** 1986 Dec;29(12):888–92

Characterization of an islet carboxypeptidase B involved in prohormone processing. Mackin RB, et al. **Endocrinology** 1987 Feb;120(2):457–68

Remarkable localization of ornithine decarboxylase in rat pancreas. Dorn A, et al. **Eur J Cell Biol** 1986 Jun; 41(1):127–9

Peptidyl–glycine alpha–amidating monooxygenase is present in islet secretory granules of the anglerfish, Lophius americanus. Mackin RB, et al. **Gen Comp Endocrinol** 1987 Aug;67(2):263–9

Phosphatidylinositol kinase in rat pancreatic islets: subcellular distribution and sensitivity to calcium. Rana RS, et al. **Horm Metab Res** 1986 Oct;18(10):659–62

Direct evidence for two distinct prosomatostatin converting enzymes. Detection using a rapid, sensitive, and specific assay for propeptide converting enzymes. Mackin RB, et al. **J Biol Chem** 1987 May 15;262(14):6453–6

Enzymes of phospholipid metabolism in rat pancreatic islets: subcellular distribution and the effect of glucose and calcium. Rana RS, et al. **J Cell Biochem** 1986;32(2):143–50

Glucokinase in B–cell–depleted islets of Langerhans. Bedoya FJ, et al. **J Histochem Cytochem** 1987 Oct;35(10):1089–93

Immunoreactive GABA transaminase within the pancreatic islet is localized in mitochondria of the B–cell. Garry DJ, et al. **J Histochem Cytochem** 1987 Aug;35(8):831–6

Hexose metabolism in pancreatic islets. Absence of glucose–6–phosphatase in rat islet cells. Giroix MH, et al. **Mol Cell Endocrinol** 1987 Feb;49(2–3):219–25

Unresponsiveness of phospholipase C to the regulatory proteins Ns and Ni in pancreatic islets. Blachier F, et al. **Res Commun Chem Pathol Pharmacol** 1987 Mar; 55(3):335–55

[Histochemical study of enzyme activity of the exocrine and endocrine pancreas at different glucocorticoid levels in animal body] Mozhelko LA. **Probl Endokrinol (Mosk)** 1986 Nov–Dec;32(6):59–62 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

The development and function of the endocrine pancreas of fetuses and infants born to normal and diabetic mothers. Grasso S, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986; 277:130–5 (55 ref.)

Islet cell growth and function. A reappraisal of the role of progesterone and prednisolone. Khatim MS, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2795–8

Islet neoformation in tissue culture. Popiela H, et al. **Mol Cell Endocrinol** 1986 Nov;48(1):11–20

IMMUNOLOGY

Effect of antithyroid autoantibodies on pancreatic islet–cell function. Kitano N, et al. **Acta Diabetol Lat** 1987 Jan–Mar; 24(1):9–15

Can desensitization of the B–cell to D–glucose be simulated in cultured pancreatic islets? Malaisse–Lagae F, et al. **Acta Diabetol Lat** 1987 Jan–Mar;24(1):17–25

On the pathogenesis of human type I diabetes: where do we stand? Bottazzo GF, et al. **Ann Inst Pasteur Immunol** 1987 Jan–Feb;138(1):117–23

Binding of islet cell cytoplasmic antibody from insulin–dependent diabetes mellitus patients and plant lectin (Maclura pomifera agglutinin) to pancreas islet cells. Tsuji T, et al. **Arerugi** 1986 Sep;35(9):988–92

Differential expression and regulation of MHC products in the endocrine and exocrine cells of the human pancreas. Pujol–Borrell R, et al. **Clin Exp Immunol** 1986 Jul; 65(1):128–39

Expression of cytoplasmic islet cell antigens by rat pancreas. Dib SA, et al. **Diabetes** 1987 Aug;36(8):982–5

Aberrant expression of HLA–DR antigens by insulin–containing beta–cells in recent–onset type I diabetes mellitus. Foulis AK, et al. **Diabetes** 1986 Nov; 35(11):1215–24

Progress toward standardization of cytoplasmic islet cell–antibody assay. Gleichmann H, et al. **Diabetes** 1987 May;36(5):578–84

Treatment with anti–T–lymphocyte antibodies prevents induction of insulitis in mice given multiple doses of streptozocin. Herold KC, et al. **Diabetes** 1987 Jul; 36(7):796–801

Time course of islet cell antibodies and beta–cell function in non–insulin–dependent stage of type I diabetes. Kobayashi T, et al. **Diabetes** 1987 Apr;36(4):510–7

Major histocompatibility complex restriction of T–lymphocyte responses to islet cell antigens in IDDM rats. Prud'homme GJ, et al. **Diabetes** 1987 Feb;36(2):237–9

Interferon–mediated induction of Ia antigen expression on isolated murine whole islets and dispersed islet cells. Wright JR Jr, et al. **Diabetes** 1986 Oct;35(10):1174–7

Demonstration of islet cell surface antibodies in sera of New Zealand black mice and inhibitory effect on insulin release. Yamada K, et al. **Diabetes** 1986 Nov;35(11):1262–7

Prolonged sera incubation to improve sensitivity of double–immunofluorescent monoclonal BISL–32 FITC–protein A assay [letter] Karp M, et al. **Diabetes Care** 1987 Jul–Aug;10(4):535–6

Persistent negativity of ICAs during preclinical period and at acute onset in 2 cases of IDDM [letter] Pagano G, et al. **Diabetes Care** 1987 May–Jun;10(3):381–2

Cytotoxic islet cell autoantibodies in newly diagnosed insulin–dependent diabetes mellitus: lack of correlation to age, residual beta cell function, HLA antigens and Coxsackie B virus antibodies. Hehmke B, et al. **Diabetes Res** 1987 Feb;4(2):73–7

Detection of islet cell autoantibodies in newly diagnosed diabetic patients using insulin–producing Syrian hamster cells. Matsuba I, et al. **Diabetes Res** 1987 Mar;4(3):103–7

Human islet cell antibodies: immunoglobulin class and subclass distribution defined by monoclonal antibodies. Omar MA, et al. **Diabetes Res** 1987 Apr;4(4):155–7

Cytotoxic activity of sera from diabetic BB rats against BB rat islet—a functional study. Ziegler B, et al. **Diabetes Res** 1987 Feb;4(2):67–72

Non–selective inhibition of insulin and glucagon release by xenogeneic islet cell surface antibodies. Iwashima Y, et al. **Diabetes Res Clin Pract** 1987 May–Jun;3(3):143–51

IgG subclasses of islet cell surface antibodies and their cytotoxic activity against pancreatic islet cells. Suzuki M, et al. **Diabetes Res Clin Pract** 1987 Jul–Aug;3(4):215–20

Islet cell antibodies. Lernmark A. **Diabetic Med** 1987 Jul–Aug;4(4):285–92 (73 ref.)

Islet cell and insulin autoantibodies in organ–specific autoimmune patients. Their behaviour and predictive value for the development of type 1 (insulin–dependent) diabetes mellitus. A 10–year follow–up study. Betterle C, et al. **Diabetologia** 1987 May;30(5):292–7

Multiple immunological abnormalities in patients with type 1 (insulin–dependent) diabetes mellitus. Drell DW, et al. **Diabetologia** 1987 Mar;30(3):132–43 (164 ref.)

Aberrant expression of class II major histocompatibility complex molecules by B cells and hyperexpression of class I major histocompatibility complex molecules by insulin containing islets in type 1 (insulin–dependent) diabetes mellitus. Foulis AK, et al. **Diabetologia** 1987 May; 30(5):333–43

Expression of class II major histocompatibility complex antigens on pancreatic B cells in the NOD mouse. Hanafusa T, et al. **Diabetologia** 1987 Feb;30(2):104–8

Prolonged incubation in the two–colour immunofluorescence test increases the prevalence and titres of islet cell antibodies in type 1 (insulin–dependent) diabetes mellitus. Olsson ML, et al. **Diabetologia** 1987 May;30(5):327–32

Induction of class II MHC antigens in vitro on pancreatic B cells isolated from BB/E rats. Walker R, et al. **Diabetologia** 1986 Oct;29(10):749–51

Monoclonal antibodies to a human islet cell surface glycoprotein: 4F2 and LC7–2. Srikanta S, et al. **Endocrinology** 1987 Jun;120(6):2240–4

The frequency of islet cell surface antibodies in newly diagnosed diabetics from Ethiopia. Peters WH, et al. **Exp Clin Endocrinol** 1986 Aug;87(3):326–32

Antibodies to a 64,000 Mr human islet cell antigen precede the clinical onset of insulin–dependent diabetes. Baekkeskov S, et al. **J Clin Invest** 1987 Mar;79(3):926–34

Pancreatic islet cell surface glycoproteins containing Gal beta 1–4GlcNAc–R identified by a cytotoxic monoclonal autoantibody. Uchigata Y, et al. **J Exp Med** 1987 Jan 1; 165(1):124–39

Islet cell and 64K autoantibodies are associated with plasma IgG in newly diagnosed insulin–dependent diabetic children. Gerling I, et al. **J Immunol** 1986 Dec 15; 137(12):3782–5

Cell surface antigens on rat islet tumors. Thomas JW, et al. **J Immunol** 1987 May 1;138(9):2896–901

A simple assay for the detection of antibodies to endocrine islet cell surface antigens. Contreas G, et al. **J Immunol Methods** 1986 Dec 4;95(1):135–9

Cell–mediated autoimmunity at the onset of insulin–dependent diabetes mellitus (IDDM). Ziegler AG, et al. **Klin Wochenschr** 1987 Jul 15;65(12):546–50

Islet–cell antibodies and insulin autoantibodies in association with common viral infections. Bodansky HJ, et al. **Lancet** 1986 Dec 13;2(8520):1351–3

Type I diabetes mellitus [letter] Pigrau C, et al. **N Engl J Med** 1986 Dec 11;315(24):1552

Non–tolerance and autoantibodies to a transgenic self antigen expressed in pancreatic beta cells. Adams TE, et al. **Nature** 1987 Jan 15–21;325(6101):223–8

Prevention of autoimmune insulitis by expression of I–E molecules in NOD mice. Nishimoto H, et al. **Nature** 1987 Jul 30–Aug 5;328(6129):432–4

HLA class II induction in human islet cells by interferon–gamma plus tumour necrosis factor or lymphotoxin. Pujol–Borrell R, et al. **Nature** 1987 Mar 19–25;326(6110):304–6

Gamma interferon induces novel expression of Ia antigens by rat pancreatic islet endocrine cells. Markmann JF, et al. **Pancreas** 1987;2(3):258–61

Influence of postdiabetic onset time and immunosuppressive treatment on islet grafts in the spontaneous diabetic BB/W rat. Königsberger H, et al. **Transplantation** 1987 Sep; 44(3):358–62

Analysis of differential survival of syngeneic islets transplanted into hyperglycemic C57BL/6J versus C57BL/KsJ mice. Leiter EH. **Transplantation** 1987 Sep; 44(3):401–6

Inhibition of rat mixed lymphocyte pancreatic islet cultures with anti–Ia immunotoxin. Shizuru JA, et al. **Transplantation** 1986 Dec;42(6):660–6

[Study of antibodies in diabetics. A comparison of methods] Synek M. **Cas Lek Cesk** 1986 Nov 21;125(47):1455–7 **(Cze)**

[Immune modulation therapy in type I diabetes mellitus] Schmeidl R, et al. **Fortschr Med** 1986 Dec 4;104(45):879–83 (Eng. Abstr.) **(Ger)**

[Diagnosis of autoimmune insulitis before the clinical manifestation of type I diabetes mellitus] Scherbaum WA, et al. **Med Klin** 1987 Jun 5;82(12–13):443–6 **(Ger)**

[Presence and manipulation of MHC class II antigens on isolated island of Langerhans cells] Ulrichs K, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(4):247–9 **(Ger)**

[Diabetes mellitus as a primary and secondary metabolic disease] Lohmann D. **Z Gesamte Inn Med** 1986 Oct 15; 41(20):565–7 (Eng. Abstr.) **(Ger)**

[Experience with the determination of antibodies against islet cells] Pánczél P, et al. **Orv Hetil** 1986 Nov 2; 127(44):2677–80 (Eng. Abstr.) **(Hun)**

[An analysis of islet cell surface antigen defined by monoclonal islet cell surface antibody 5C12] Amano K. **Nippon Naibunpi Gakkai Zasshi** 1986 Nov 20; 62(11):1244–58 (Eng. Abstr.) **(Jpn)**

[A case of insulin autoimmune syndrome with transient islet cell surface antibodies accompanied by liver cirrhosis] Harigaya Y, et al. **Nippon Naika Gakkai Zasshi** 1986 Sep; 75(9):1250–5 **(Jpn)**

[A case of relapsing polychondritis with islet cell antibody positive NIDDM: with special reference to a therapeutic trial with colchicine] Wakamatsu N, et al. **Nippon Naika Gakkai Zasshi** 1986 Oct;75(10):1457–62 **(Jpn)**

[Immunoenzyme detection of autoantibodies to the surface of pancreatic islet cells in diabetes mellitus and in increased risk of its development] Kondrat'ev IuIu, et al. **Probl Endokrinol (Mosk)** 1987 Mar–Apr;33(2):3–6 (Eng. Abstr.) **(Rus)**

[Various immunologic indices of children and adolescents with type I diabetes mellitus] Uriarté A, et al. **Probl Endokrinol (Mosk)** 1987 Mar–Apr;33(2):22–5 (Eng. Abstr.) **(Rus)**

[Toward the standardization of pancreatic islet cell antibodies] Pujol Borrell R. **Med Clin (Barc)** 1986 Nov 8; 87(15):633–4 **(Spa)**

INNERVATION

Do B cells and peri–insular acinar cells of canine pancreas have nerves in common? Radke R, et al. **Acta Anat (Basel)** 1986;127(1):65–8

Effect of the order of application of neural inputs on insulin secretion. Campfield LA, et al. **Adv Exp Med Biol** 1986; 211:343–9

Fine structure of the neuro-insular complex type II in the cat. Böck P. **Arch Histol Jpn** 1986 Jun;49(2):189–97

Are the islets of Langerhans neuro-paraneuronal control centers of the exocrine pancreas? Radke R, et al. **Arch Histol Jpn** 1986 Oct;49(4):411–20

Morphologic and functional changes in sympathetic nerve relationships with pancreatic alpha-cells after destruction of beta-cells in rats. Tominaga M, et al. **Diabetes** 1987 Mar; 36(3):365–73

Neuropeptidergic versus cholinergic and adrenergic regulation of islet hormone secretion. Ahrén B, et al. **Diabetologia** 1986 Dec;29(12):827–36 (70 ref.)

Autonomic nervous control of the endocrine secretion from the isolated, perfused pig pancreas. Holst JJ, et al. **J Auton Nerv Syst** 1986 Sep;17(1):71–84

[Bisynaptic connection in an insulin-producing B-cell] Radke R, et al. **J Hirnforsch** 1986;27(5):537–8 (Eng. Abstr.) **(Ger)**

METABOLISM

Branched-chain amino and keto acid metabolism in pancreatic islets. Malaisse WJ. **Adv Enzyme Regul** 1986; 25:203–17 (34 ref.)

Mobilization of different pools of glucose-incorporated calcium in pancreatic beta-cells after muscarinic receptor activation. Hellman B, et al. **Adv Exp Med Biol** 1986; 211:325–41

Pharmacological control of 86Rb efflux from mouse pancreatic islets. Henquin JC, et al. **Adv Exp Med Biol** 1986;211:83–93

Interdependency of Ca2+ availability and cyclic AMP generation in the pancreatic beta-cell. Valverde I, et al. **Adv Exp Med Biol** 1986;211:403–7

Relationship between extracellular Na+ and the total ionized Ca2+ content of rat pancreatic islets. Wolters GH, et al. **Adv Exp Med Biol** 1986;211:319–23

Quantitative immunocytochemical analysis of the endocrine pancreas of the Nile crocodile. Rhoten WB. **Am J Anat** 1987 Feb;178(2):103–15

Islet amyloid in type 2 human diabetes mellitus and adult diabetic cats contains a novel putative polypeptide hormone. Westermark P, et al. **Am J Pathol** 1987 Jun; 127(3):414–7

1,25-Dihydroxyvitamin D3 target cells in immature pancreatic islets. Clark SA, et al. **Am J Physiol** 1987 Jul; 253(1 Pt 1):E99–105

The morphology of proinsulin processing. Orci L. **Ann NY Acad Sci** 1986;488:292–316 (41 ref.)

Hexose metabolism in pancreatic islets: compartmentation of hexokinase in islet cells. Sener A, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):61–7

Calmodulin inhibits inositol trisphosphate-induced Ca2+ mobilization from the endoplasmic reticulum of islets. Wolf BA, et al. **Biochem Biophys Res Commun** 1986 Dec 15; 141(2):418–25

NADP-linked dismutation and concentrations of citrate, cytosolic free Ca2+ and phosphoenolpyruvate in islet B-cells stimulated with glucose. Boquist L. **Biochem Int** 1987 Mar;14(3):531–8

Inositol 1,4,5-trisphosphate mobilizes glucose-incorporated calcium from pancreatic islets. Hellman B, et al. **Biochem Int** 1986 Aug;13(2):383–9

A role for calcium in the breakdown of inositol phospholipids in intact and digitonin-permeabilized pancreatic islets. Best L. **Biochem J** 1986 Sep 15;238(3):773–9

Active transport of myo-inositol in rat pancreatic islets. Biden TJ, et al. **Biochem J** 1986 Jun 15;236(3):889–93

Abnormal regulation of insulin secretion in the genetically obese (ob/ob) mouse. Black M, et al. **Biochem J** 1986 Sep 15;238(3):863–9

Cytosolic ratios of free [NADPH]/[NADP+] and [NADH]/[NAD+] in mouse pancreatic islets, and nutrient-induced insulin secretion. Hedeskov CJ, et al. **Biochem J** 1987 Jan 1;241(1):161–7

Localization and biosynthesis of polyamines in insulin-producing cells. Hougaard DM, et al. **Biochem J** 1986 Aug 15;238(1):43–7

Effect of intracellular alkalinization on pancreatic islet calcium uptake and insulin secretion. Lindström P, et al. **Biochem J** 1986 Oct 1;239(1):199–204

Metabolism of lysophospholipids in intact rat islets. The insulin secretagogue p-hydroxymercuribenzoic acid impairs lysophosphatidylcholine catabolism and permits its accumulation. Metz SA. **Biochem J** 1987 Feb 1; 241(3):863–9

An inhibitory role for polyamines in protein kinase C activation and insulin secretion in mouse pancreatic islets. Thams P, et al. **Biochem J** 1986 Jul 1;237(1):131–8

Glucose-induced accumulation of inositol trisphosphates in isolated pancreatic islets. Predominance of the 1,3,4-isomer. Turk J, et al. **Biochem J** 1986 Jul 1;237(1):259–63

GTP mobilization of Ca2+ from the endoplasmic reticulum of islets. Comparison with myo-inositol 1,4,5-trisphosphate. Wolf BA, et al. **Biochem J** 1987 Feb 15;242(1):137–41

Production of inositol trisphosphates and inositol tetrakisphosphate in stimulated pancreatic islets. Best L, et al. **Biochim Biophys Acta** 1987 Jan 19;927(1):112–6

Accumulation of cadmium in pancreatic beta cells is similar to that of calcium in being stimulated by both glucose and high potassium. Nilsson T, et al. **Biochim Biophys Acta** 1986 Oct 10;888(3):270–7

Glucose-induced phospholipid hydrolysis in isolated pancreatic islets: quantitative effects on the phospholipid content of arachidonate and other fatty acids. Turk J, et al. **Biochim Biophys Acta** 1986 Dec 5;879(3):399–409

The determination of alpha-adrenergic receptor concentration on rat pancreatic islet cells. Fyles JM, et al. **Biosci Rep** 1987 Jan;7(1):17–22

Evidence for voltage-dependent C1- permeability in mouse pancreatic beta-cells. Sehlin J. **Biosci Rep** 1987 Jan; 7(1):67–72

Effects of transplantation and resection of a radiation-induced rat insulinoma on glucose homeostasis and the endocrine pancreas. Flatt PR, et al. **Br J Cancer** 1986 Oct;54(4):685–92

Endocrine cells in pancreatic islets of Langerhans are immunoreactive to antibody against guanine nucleotide-binding protein (Go) purified from rat brain. Terashima T, et al. **Brain Res** 1987 Aug 4;417(1):190–4

Effect of cytochalasin B on glucose uptake, utilization, oxidation and insulinotropic action in tumoral insulin-producing cells. Malaisse WJ, et al. **Cell Biochem Funct** 1987 Jul;5(3):183–7

Effect of thioloxidant diazene dicarboxylic acid bis-(N'-methylpiperazide) (DIP) on 45Ca2+ net uptake into rat pancreatic islets. Ammon HP, et al. **Cell Calcium** 1986 Aug;7(4):221–31

Artefactual and true uptake of labelled sucrose by rat pancreatic islet cells. Giroix MH, et al. **Comp Biochem Physiol [A]** 1986;85(2):289–96

Prolongation of islet xenograft survival by cryopreservation. Coulombe MG, et al. **Diabetes** 1987 Sep;36(9):1086–8

Abnormalities in glucose-stimulated insulin release, 45Ca uptake, and 86Rb efflux in diabetic Chinese hamster islets. Frankel BJ, et al. **Diabetes** 1987 May;36(5):648–53

Glucose transport by radiation-induced insulinoma and clonal pancreatic beta-cells. Meglasson MD, et al. **Diabetes** 1986 Dec;35(12):1340–4

Presence of pancreatic hormones in islet cells with MHC-class II antigen expression. Pipelleers DG, et al. **Diabetes** 1987 Jul;36(7):872–6

Cytosolic free-calcium concentrations in normal pancreatic islet cells. Effect of secretagogues and somatostatin. Sussman KE, et al. **Diabetes** 1987 May;36(5):571–7

Interaction of cooling rate, warming rate, and extent of permeation of cryoprotectant in determining survival of isolated rat islets of Langerhans during cryopreservation. Taylor MJ, et al. **Diabetes** 1987 Jan;36(1):59–65

Altered beta-endorphin, Met- and Leu-enkephalins, and enkephalin-containing peptides in pancreas and pituitary of genetically obese diabetic (db/db) mice during development of diabetic syndrome. Timmers K, et al. **Diabetes** 1986 Oct;35(10):1143–51

Interactions of cholecystokinin and glucose in rat pancreatic islets. Zawalich W, et al. **Diabetes** 1987 Apr;36(4):426–33

Lysosomes and pancreatic islet function: intracellular insulin degradation and lysosomal transformations. Borg LA, et al. **Diabetes Res** 1986 Jul;3(6):277–85

Different effect of two immunomodulating agents cyclosporin A and ciamexon on the insulin metabolism of cultured mouse islets. Linn T, et al. **Diabetes Res** 1987 Mar; 4(3):121–3

Regulation of energy metabolism in pancreatic islets by glucose and tolbutamide. Panten U, et al. **Diabetologia** 1986 Sep;29(9):648–54

Transport of horseradish peroxidase from the cell surface to the Golgi in insulin-secreting cells: preferential labelling of cisternae located in an intermediate position in the stack. Orci L, et al. **EMBO J** 1986 Sep;5(9):2097–101

Early O-glycosidic glycosylation of proglucagon in pancreatic islets: an unusual type of prohormonal modification. Patzelt C, et al. **EMBO J** 1986 Sep; 5(9):2103–8

Maintenance of pancreatic endocrine cells of the neonatal rat: VII. The effect of 3-amino-3-deoxyglucose on insulin secretion from perifused B cells. Nakao K, et al. **Endocrinol Jpn** 1986 Oct;33(5):561–73

Fluctuations of alpha cell calcium, potassium and sodium during amino acid perifusion of rat pancreatic islets. Kalkhoff RK, et al. **Endocrinology** 1987 Jul;121(1):429–31

Effects of guanosine 3',5'-monophosphate on glucose utilization in isolated islets of Langerhans. Laychock SG. **Endocrinology** 1987 Feb;120(2):517–24

Direct effects of glucose on proinsulin synthesis and processing during desensitization. Nagamatsu S, et al. **Endocrinology** 1987 Apr;120(4):1225–31

Somatostatin-14-like antigenic sites in fixed islet D-cells are unaltered by cysteamine: a quantitative electron microscopic immunocytochemical evaluation. Patel YC, et al. **Endocrinology** 1987 Apr;120(4):1663–7

Proglucagon processing in a rat islet cell line resembles phenotype of intestine rather than pancreas. Philippe J, et al. **Endocrinology** 1986 Dec;119(6):2833–9

Elevated somatostatin in pancreatic islets of adrenalectomized dogs. Rastogi KS, et al. **Endocrinology** 1987 Feb;120(2):544–8

Evidence for an inhibitory A1 subtype adenosine receptor on pancreatic insulin-secreting cells. Hillaire-Buys D, et al. **Eur J Pharmacol** 1987 Apr 7;136(1):109–12

Progress in pancreatic oestrogen receptors. Pettersen A, et al. **Eur J Surg Oncol** 1986 Dec;12(4):321–4

Regulation of biosynthesis, release and degradation of insulin in cultured rat islets. Chatterjee AK, et al. **Exp Clin Endocrinol** 1987 Mar;89(1):77–83

ATP-sensitive K+ channels in human isolated pancreatic B-cells. Ashcroft FM, et al. **FEBS Lett** 1987 May 4; 215(1):9–12

Cyclic AMP raises cytosolic Ca2+ and promotes Ca2+ influx in a clonal pancreatic beta-cell line (HIT T-15). Prentki M, et al. **FEBS Lett** 1987 Aug 10;220(1):103–7

Biosynthesis of pancreatic islet hormones. Goodman RH, et al. **Hepatology** 1987 Jan-Feb;7(1 Suppl):36S–41S

Immunocytochemical characterization of glucagon-immunoreactive cells using monoclonal antibodies to pancreatic glucagon. Buchan AM, et al. **Histochemistry** 1987;87(1):79–83

Coexistence of pancreatic polypeptide (PP)-and glucagon-immunoreactivity in pancreatic endocrine cells of mouse. Rombout JH, et al. **Histochemistry** 1987;87(1):1–6

Epidermal growth factor stimulates (pro-)insulin biosynthesis and 3H-thymidine incorporation in isolated pancreatic rat islets. Chatterjee AK, et al. **Horm Metab Res** 1986 Dec; 18(12):873–4

Mechanisms involved in the depleting effect of cysteamine on pancreatic somatostatin. Hashimoto N, et al. **Horm Metab Res** 1987 Jan;19(1):11–4

Inhibition of ATP-regulated K+ channels precedes depolarization-induced increase in cytoplasmic free Ca2+ concentration in pancreatic beta-cells. Arkhammar P, et al. **J Biol Chem** 1987 Apr 25;262(12):5448–54

Ca2+-mediated generation of inositol 1,4,5-trisphosphate and inositol 1,3,4,5-tetrakisphosphate in pancreatic islets. Studies with K+, glucose, and carbamylcholine. Biden TJ, et al. **J Biol Chem** 1987 Mar 15;262(8):3567–71

Novel expression of the angiotensinogen gene in a rat pancreatic islet cell line. Transcriptional regulation by glucocorticoids. Brasier AR, et al. **J Biol Chem** 1986 Dec 5;261(34):16148–54

Metabolic concomitants in pure, pancreatic beta cells during glucose-stimulated insulin secretion. Matschinsky FM, et al. **J Biol Chem** 1986 Oct 25;261(30):14057–61

Glucagon gene transcription in an islet cell line is regulated via a protein kinase C-activated pathway. Philippe J, et al. **J Biol Chem** 1987 Feb 5;262(4):1823–8

Calcium mobilization by inositol 1,4,5-trisphosphate during activation of islet, pituitary, and myeloid cells. Wollheim CB, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 8:S65–70

Cotranslational and posttranslational proteolytic processing of preprosomatostatin-I in intact islet tissue. Noe BD, et al. **J Cell Biol** 1986 Oct;103(4):1205–11

Conversion of proinsulin to insulin occurs coordinately with acidification of maturing secretory vesicles. Orci L, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2273–81

Lactation-induced changes in calcium handling by rat pancreatic islets. Hubinont CJ, et al. **J Dev Physiol** 1987 Feb;9(1):31–9

The characteristics of beta-adrenergic binding sites on pancreatic islets of Langerhans. Fyles JM, et al. **J Endocrinol** 1986 Nov;111(2):263–70

Acetylcholine stimulates glucose metabolism by pancreatic islets. Meglasson MD, et al. **Life Sci** 1986 Nov 10; 39(19):1745–50

Autoradiographic localization of [3H]-guanidinoethylmercaptosuccinic acid binding sites in rat islets of Langerhans. Powell AM, et al. **Life Sci** 1987 Jun 29;40(26):2511–3

Glucose utilization in islets of hyperglycemic rat models with impaired glucose-induced insulin secretion. Colella RM, et al. **Metabolism** 1987 Apr;36(4):335–7

Abnormal calcium handling by perifused pancreatic islets from neonatal streptozotocin diabetic model rats. Hashimoto N, et al. **Metabolism** 1987 Sep;36(9):827–33

Transcriptional regulation of genes encoding insulin, glucagon, and angiotensinogen by sodium butyrate in a rat islet cell line. Philippe J, et al. **Mol Cell Biol** 1987 Jan; 7(1):560–3

Alpha 2-adrenoceptor stimulation affects total glucose utilization in isolated islets of Langerhans. Laychock SG. **Mol Pharmacol** 1987 Aug;32(1):241–8

Effects of propylthiouracil and methylthiouracil on cyclic AMP and ion movements in rat pancreatic islets. Mark M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Feb; 335(2):194–9

Localization of progestin receptors in the islets of Langerhans. Winborn WB, et al. **Pancreas** 1987;2(3):289–94

Copper deficiency in rats increases pancreatic enkephalin-containing peptides and insulin. Recant L, et al. **Peptides** 1986 Nov-Dec;7(6):1061–9

GTP and GDP activation of K+ channels that can be inhibited by ATP. Dunne MJ, et al. **Pflugers Arch** 1986 Nov;407(5):564–5

Dual effects of ATP on K+ currents of mouse pancreatic beta-cells. Ohno-Shosaku T, et al. **Pflugers Arch** 1987 Feb; 408(2):133–8

Opposite effects of tolbutamide and diazoxide on the ATP-dependent K+ channel in mouse pancreatic beta-cells. Trube G, et al. **Pflugers Arch** 1986 Nov; 407(5):493–9

Glucagon-like peptide I stimulates insulin gene expression and increases cyclic AMP levels in a rat islet cell line. Drucker DJ, et al. **Proc Natl Acad Sci USA** 1987 May; 84(10):3434–8

Regulation by cell metabolism and adenine nucleotides of a K channel in insulin-secreting B cells (RIN m5F). Ribalet B, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1721–5

Suppression of pancreatic beta cell function by cyclosporin [letter] du Toit DF. **S Afr Med J** 1987 Aug 1;72(3):226

Glucocorticoid and thyroid hormone regulation of angiotensinogen gene expression in a pancreatic islet cell line. Brasier AR, et al. **Trans Assoc Am Physicians** 1986; 99:13–9

[Effect of PGE2 on alloxan-induced inhibition of insulin release in isolated neonatal rat pancreatic islets] Wang JL, et al. **Sheng Li Hsueh Pao** 1986 Dec;38(6):643–9 (Eng. Abstr.) **(Chi)**

[Effect of PGE2 on the cyclic nucleotide content of isolated neonatal rat pancreatic islets treated with alloxan] Wang JL, et al. **Sheng Li Hsueh Pao** 1986 Aug;38(4):403–8 (Eng. Abstr.) **(Chi)**

[Demonstration of VIP receptors in B cells of the pancreas by quantitative ultrastructural autoradiography] Anteunis A, et al. **C R Acad Sci [III]** 1986;303(9):357–60 (Eng. Abstr.) **(Fre)**

[Immunohistochemical studies of fetal and maternal endocrine pancreases during pregnancy and the puerperium in streptozotocin-induced diabetic rats] Tanaka Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Nov; 38(11):1989–97 (Eng. Abstr.) **(Jpn)**

[Hemosiderin deposition in the islets of Langerhans] Suda K, et al. **Rinsho Byori** 1987 Jan;35(1):98–100 **(Jpn)**

[Glucokinase and insulin secretion] Miwa I, et al. **Seikagaku** 1986 Dec;58(12):1483–8 (33 ref.) **(Jpn)**

[Evaluation of the hormone-producing function of the pancreas in chronic alcoholism] Makhov VM, et al. **Lab Delo** 1987;(1):16–9 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Pre-diabetes in the spontaneously diabetic BB/E rat: pancreatic infiltration and islet cell proliferation. Bone AJ, et al. **Acta Endocrinol (Copenh)** 1987 Aug;115(4):447–54

Spontaneous diabetes mellitus-islet amyloid complex in adult cats. Johnson KH, et al. **Am J Pathol** 1986 Nov; 125(2):416–9

Obliterative segmental sclerosis of pancreatic islets. A possible consequence of hypotensive shock in young BB rats. Seemayer TA, et al. **Am J Pathol** 1986 Nov; 125(2):327–31

Endocrine pancreatic morphology and function in exocrine insufficiency in rats. Göke B, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):G139–45

Further evidence for the presence of intermediate and mixed endocrine cells in the human pancreas undergoing nesidioblastosis. Bani D, et al. **Arch Ital Anat Embriol** 1986 Jan–Apr;91(1):71–82

Treatment of malignant endocrine pancreatic tumors with human leukocyte interferon. Eriksson B, et al. **Cancer Treat Rep** 1987 Jan;71(1):31–7

Localization of thyrotropin-releasing hormone- and insulin-immunoreactivity in the pancreas of neonatal rats after injection of streptozotocin at birth. Leduque P, et al. **Cell Tissue Res** 1987 Apr;248(1):89–94

Influence of lactation on morphometric and secretory variables in pancreatic beta-cell of mildly diabetic rats. Marynissen G, et al. **Diabetes** 1987 Aug;36(8):883–91

Neonatal islet cell adenoma: a distinct type of islet cell tumor? Bordi C, et al. **Diabetes Care** 1982 Mar–Apr;5(2):122–5

Destruction of pancreatic beta cells in rats by complete Freund's adjuvant combined with non-diabetogenic doses of streptozotocin. Kohnert KD, et al. **Diabetes Res** 1987 May;5(1):1–11

Lawrence lecture. Death of a beta cell: homicide or suicide? Bottazzo GF. **Diabetic Med** 1986 Mar;3(2):119–30

The haemochromatotic human pancreas: a quantitative immunohistochemical and ultrastructural study. Rahier J, et al. **Diabetologia** 1987 Jan;30(1):5–12

Hyperplastic and neoplastic endocrine cells of the pancreas in aspiration biopsy. Nguyen GK, et al. **Diagn Cytopathol** 1986 Sep;2(3):204–11

Effect of adrenalectomy on the pancreas of db/db mice. Spear GS, et al. **Horm Metab Res** 1986 Nov;18(11):743–5

The islets of Langerhans in uremic patients receiving chronic hemodialysis. Suda K, et al. **Nephron** 1987;46(2):134–6

Pancreatic islets in older patients with cystic fibrosis with and without diabetes mellitus: morphometric and immunocytologic studies. Soejima K, et al. **Pediatr Pathol** 1986;6(1):25–46

Amyloid fibrils in human insulinoma and islets of Langerhans of the diabetic cat are derived from a neuropeptide-like protein also present in normal islet cells. Westermark P, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3881–5

Alloxan-induced diabetes in the mouse: time course of pancreatic B-cell destruction as reflected in an increased islet vascular permeability. Jansson L, et al. **Virchows Arch [A]** 1986;410(1):17–21

Ultrastructure of the islets of Langerhans after long-term occlusion of the pancreatic duct system. Lauer E, et al. **Z Gastroenterol** 1986 Nov;24(11):700–8

PHYSIOLOGY

Endocrine and exocrine pancreatic functions following partial pancreatectomy + partial hepatectomy. Tenmoku S, et al. **Acta Chir Scand** 1986 Nov;152:675–9

Potassium and chloride fluxes are involved in volume regulation in mouse pancreatic islet cells. Lindström P, et al. **Acta Physiol Scand** 1986 Dec;128(4):541–6

Biophysics of the pancreatic beta-cell. **Adv Exp Med Biol** 1986;211:1–494

A potassium channel modulated by glucose metabolism in rat pancreatic beta-cells. Ashcroft FM, et al. **Adv Exp Med Biol** 1986;211:53–62

Modelling the beta-cell electrical activity. Bangham JA, et al. **Adv Exp Med Biol** 1986;211:265–78

Glucose suppresses ATP-inhibited K-channels in pancreatic beta-cells. Cook DL, et al. **Adv Exp Med Biol** 1986; 211:63–7

Contribution of isotope flux studies to understanding the mechanism of the beta-cell membrane. Croghan PC, et al. **Adv Exp Med Biol** 1986;211:207–23

Insulin release and K+-induced depolarization in mouse pancreatic beta-cells. Joost S, et al. **Adv Exp Med Biol** 1986;211:159–66

Electrophysiological evidence for histaminergic modulation of pancreatic beta-cell function. Marques A, et al. **Adv Exp Med Biol** 1986;211:359–65

Muscarinic receptors and the control of glucose-induced electrical activity in the pancreatic beta-cell. Palafox I, et al. **Adv Exp Med Biol** 1986;211:351–8

Glucose-evoked changes in [K+] and [Ca2+] in the intercellular spaces of the mouse islet of Langerhans. Perez-Armendariz E, et al. **Adv Exp Med Biol** 1986; 211:31–51

Prediction of the glucose-induced changes in membrane ionic permeability and cytosolic Ca2+ by mathematical modeling. Rinzel J, et al. **Adv Exp Med Biol** 1986; 211:247–63

Electrophysiological measurements show marked differences in the properties of the pancreatic beta-cell K-channels from albino mice and a strain of ob/ob (obese) mice. Rosario LM. **Adv Exp Med Biol** 1986;211:95–107

Pulsatile insulin release and electrical activity from single ob/ob mouse islets of Langerhans. Rosario LM, et al. **Adv Exp Med Biol** 1986;211:413–25

Single K-channel activity in fish islet cells. Santos RM, et al. **Adv Exp Med Biol** 1986;211:109–23

Voltage-gated Ca current in pancreatic islet beta-cells. Satin LS, et al. **Adv Exp Med Biol** 1986;211:189–93

Graded spike electrogenesis in mouse pancreatic beta-cells. Soria B, et al. **Adv Exp Med Biol** 1986;211:235–46

Calcium and potassium currents recorded from pancreatic beta-cells under voltage clamp control. Trube G, et al. **Adv Exp Med Biol** 1986;211:167–75

Effects of verapamil and nifedipine on glucose-induced electrical activity in pancreatic beta-cells. Vasseur M, et al. **Adv Exp Med Biol** 1986;211:195–200

The pancreatic-adrenocortical-pituitary clamp technique for study of counterregulation in humans. De Feo P, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):E565–70

Transmembrane ion distribution and insulin secretion. Ronner P. **Ann NY Acad Sci** 1986;488:341–55

The actions of arginine and glucose on glucagon secretion are mediated by opposite effects on cytoplasmic Ca2+. Johansson H, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):309–14

Unmasking of arachidonate-induced insulin release by removal of extracellular calcium. Arachidonic acid mobilizes cellular calcium in rat islets of Langerhans. Metz SA, et al. **Biochem Biophys Res Commun** 1987 Jan 15; 142(1):251–8

On the effect of the intracellular calcium-sensitive K+ channel in the bursting pancreatic beta-cell. Chay TR. **Biophys J** 1986 Nov;50(5):765–77

Theoretical studies on the electrical activity of pancreatic beta-cells as a function of glucose. Himmel DM, et al. **Biophys J** 1987 Jan;51(1):89–107

Vitrification of mouse islets of Langerhans: comparison with a more conventional freezing method. Jutte NH, et al. **Cryobiology** 1987 Aug;24(4):292–302

Cryopreservation of mouse pancreatic islets: effects of different glucose concentrations in the post-thaw culture medium on islet recovery. Sandler S, et al. **Cryobiology** 1987 Aug;24(4):285–91

Disturbances in the regulation of glycaemia in rabbits following pancreatic duct ligation. Biochemical and immunocytochemical studies. Catala J, et al. **Diabete Metab** 1986 Aug;12(4):203–11

The biosociology of pancreatic B cells. Pipeleers D. **Diabetologia** 1987 May;30(5):277–91 (103 ref.)

The ionic, electrical, and secretory effects of protein kinase C activation in mouse pancreatic B-cells: studies with a phorbol ester. Bozem M, et al. **Endocrinology** 1987 Sep; 121(3):1025–33

Modulation of the effect of acetylcholine on insulin release by the membrane potential of B cells. Hermans MP, et al. **Endocrinology** 1987 May;120(5):1765–73

Effect of substitution of a permeable weak acid for the permissive role of glucose in amino acid–induced electrical activity in B-cells. Pace CS, et al. **Endocrinology** 1986 Dec; 119(6):2433–8

CNS–endocrine pancreas system. V. The paraventriculo-vagal concept on regulation of the endocrine pancreas. Akmayev IG. **Exp Clin Endocrinol** 1986 Dec;88(2):129–41 (123 ref.)

The ATP-sensitivity of K+ channels in rat pancreatic B-cells is modulated by ADP. Kakei M, et al. **FEBS Lett** 1986 Nov 10;208(1):63–6

Evidence for modulation of cell-to-cell electrical coupling by cAMP in mouse islets of Langerhans. Santos RM, et al. **FEBS Lett** 1987 Aug 17;220(2):342–6

Relationship of maternal glycosylated hemoglobin and fetal beta-cell activity with birth weight. Cano A, et al. **Gynecol Obstet Invest** 1986;22(2):91–6

Selective in situ pancreatic perfusion via chronic in vivo celiac artery catheterization. Kubota M, et al. **Metabolism** 1987 Sep;36(9):846–50

Electrophysiology of excitable endocrine cells. Ozawa S, et al. **Physiol Rev** 1986 Oct;66(4):887–952 (384 ref.)

Electrophysiology of the pancreas. Petersen OH, et al. **Physiol Rev** 1987 Jul;67(3):1054–116 (288 ref.)

Effects of proglumide on pancreatic endocrine and exocrine function in healthy humans. Funakoshi A, et al. **Regul Pept** 1987 Jun;17(6):311–8

Significance of Ca2+, Rb+ fluxes, of cAMP and cGMP for the CCK8-modulated insulin release. Verspohl EJ, et al. **Regul Pept** 1987 Apr;17(4):229–41

The endocrine pancreas aspects of beta-cell function in relation to morphology, insulin secretion and insulin content. Bonnevie-Nielsen V. **Scand J Clin Lab Invest [Suppl]** 1986;183:1–47

Endocrine function of canine segmental pancreatic grafts in relation to venous drainage site and duct management. Florack G, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1019–22

[Role of ion movements and changes in membrane potential in beta cells for the control of insulin secretion] Henquin JC. **Journ Annu Diabetol Hotel Dieu** 1986;:271–84 (61 ref.) **(Fre)**

[Seasonal rhythms of the functional activity of the hypophysis and insular apparatus in healthy children 8 to 15 years old] Mikadze DS. **Pediatriia** 1987;(3):23–5 (Eng. Abstr.) **(Rus)**

[Mechanism of glucose tolerance disorders in tumors located in the sellar-diencephalic area] Tenedieva VD, et al. **Zh Vopr Neirokhir** 1986 Sep–Oct;(5):14–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Residual B-cell function in insulin-dependent (type I) diabetics with and without retinopathy. Sberna P, et al. **Acta Diabetol Lat** 1986 Oct–Dec;23(4):339–44

Endocrine pancreatic function in insulin-dependent diabetic pregnant women. Fiore R, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:31–6

Endocrine pancreatic function in women with gestational diabetes. Kühl C, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:19–23

Evidence of beta cell dysfunction which does not lead on to diabetes: a study of identical twins of insulin dependent diabetics. Heaton DA, et al. **Br Med J [Clin Res]** 1987 Jan 17;294(6565):145–6

Estimation of B-cell function by the urinary excretion rate of C-peptide in diabetic patients: comparison with C-peptide response to glucagon and to a mixed meal. Pasquali R, et al. **Diabete Metab** 1987 Feb;13(1):44–51

Pancreatic beta cell response in insulin treated NIDDM patients limitations of a random C-peptide measurement. Snehalatha C, et al. **Diabete Metab** 1987 Feb;13(1):27–30

Lack of influence of residual beta-cell function on the glucagon and pancreatic polypeptide secretion in type I (insulin-dependent) diabetic patients [letter] Tronier B, et al. **Diabete Metab** 1987 Apr;13(2):141–3

Remission in IDDM: prospective study of basal C-peptide and insulin dose in 268 consecutive patients. Agner T, et al. **Diabetes Care** 1987 Mar–Apr;10(2):164–9

Residual beta-cell function in children with IDDM: reproducibility of testing and factors influencing insulin secretory reserve. Clarson C, et al. **Diabetes Care** 1987 Jan–Feb;10(1):33–8

Correlations between fasting plasma C-peptide, glucagon-stimulated plasma C-peptide, and urinary C-peptide in insulin-treated diabetics. Gjessing HJ, et al. **Diabetes Care** 1987 Jul–Aug;10(4):487–90

Beta cell function in the preclinical period of insulin-dependent diabetes. McCulloch DK, et al. **Diabetes Metab Rev** 1987 Jan;3(1):27–43

Pancreatic islet amyloid and elevated proinsulin secretion in familial maturity-onset diabetes. Clark A, et al. **Diabetes Res** 1987 Feb;4(2):51–5

The effect of residual beta-cell function on the development of diabetic retinopathy. Madsbad S, et al. **Diabetic Med** 1986 Jan;3(1):42–5

Relationship between B-cell function and HLA antigens in patients with type 2 (non-insulin-dependent) diabetes. Groop L, et al. **Diabetologia** 1986 Nov;29(11):757–60

Insulin sensitivity and beta-cell function assessed by C-peptide in young adults with cystic fibrosis. Davis TM, et al. **Eur J Clin Invest** 1987 Feb;17(1):12–5

Effects of age, duration and treatment of insulin-dependent diabetes mellitus on residual beta-cell function: observations during eligibility testing for the Diabetes Control and Complications Trial (DCCT). The DCCT Research Group. **J Clin Endocrinol Metab** 1987 Jul; 65(1):30–6

Relationship of islet function to insulin action in human obesity. Beard JC, et al. **J Clin Endocrinol Metab** 1987 Jul;65(1):59–64

A standardized meal stimulation test of the endocrine pancreas for early detection of pancreatic endocrine tumors in multiple endocrine neoplasia type 1 syndrome: five years experience. Skogseid B, et al. **J Clin Endocriaol Metab** 1987 Jun;64(6):1233–40

Plasma amino acid values and pancreatic beta-cell function in phenylketonuria. Antonozzi I, et al. **J Inherited Metab Dis** 1987;10(1):66–72

Maternal residual beta-cell function and the outcome of diabetic pregnancy. Pirttiaho HI, et al. **J Perinat Med** 1987; 15(1):83–9

Beta cell function in insulin-treated non-insulin-dependent diabetic patients. Ramachandran A, et al. **Pancreas** 1986; 1(5):411–4

Plasma somatostatin and plasma glucagon in long-term IDDM without residual B-cell function. No effect of different long-term metabolic control. Skare S, et al. **Scand J Clin Lab Invest** 1986 Nov;46(7):635–8

[Defects in the beta cells of non-insulin-dependent diabetics] Cerasi E, et al. **Journ Annu Diabetol Hotel Dieu** 1987; :255–66 (56 ref.) **(Fre)**

[Hormonal function of the pancreatic insular apparatus in patients with chronic alcoholism] Abrikosova SIu, et al. **Klin Med (Mosk)** 1986 Oct;64(10):123–6 (Eng. Abstr.) **(Rus)**

[Endocrine function of the pancreas in patients with chronic pancreatitis and its relation to exocrine function] Gidaistov AA, et al. **Klin Med (Mosk)** 1987 May;65(5):91–5 (Eng. Abstr.) **(Rus)**

[Functional status of the rat insular apparatus and adrenal cortex at early periods after irradiation] Mizina TIu, et al. **Radiobiologiia** 1986 Sep–Oct;26(5):708–10 (Eng. Abstr.) **(Rus)**

[Functional study of the endocrine pancreas in healthy people with a family history of insulin-dependent diabetes mellitus] Miralles García JM, et al. **Med Clin (Barc)** 1987 Mar 28;88(12):494–6 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Effects of constant magnetic fields on the B-cells and insulin target cells in the rat. Sutter BC, et al. **Aviat Space Environ Med** 1987 Jun;58(6):537–40

SECRETION

Demonstration of glucose inhibition of insulin release in the presence of diazoxide. Bergsten P, et al. **Acta Endocrinol (Copenh)** 1987 Jun;115(2):170–4

Low concentrations of interleukin-1 stimulate and high concentrations inhibit insulin release from isolated rat islets of Langerhans. Spinas GA, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):551–8

The effect of secretin on the glucose-induced insulin release from isolated pancreatic islets in mice. Florholmen J, et al. **Acta Physiol Scand** 1987 Jun;130(2):237–41

Dissociation of phosphatidylinositol hydrolysis and insulin secretion of cultured mouse pancreatic islets. Hallberg A. **Acta Physiol Scand** 1986 Oct;128(2):267–76

Induction of the glucokinase-glucose sensor in pancreatic islets of insulinoma-bearing rats following tumor removal. Bedoya FJ, et al. **Adv Exp Med Biol** 1986;211:447–57

The role of cytosolic calcium in insulin secretion from a hamster beta cell line. Boyd AE 3d, et al. **Adv Exp Med Biol** 1986;211:305–16

Role of transglutaminase in proinsulin conversion and insulin release. Gomis R, et al. **Adv Exp Med Biol** 1986;211:443–6

Insulin secretion studied in islets permeabilised by high voltage discharge. Jones PM, et al. **Adv Exp Med Biol** 1986; 211:279–91

Effects of monensin on glucose-induced insulin release and 45Ca2+ outflow. Kanatsuka A, et al. **Adv Exp Med Biol** 1986;211:397–401

Stimulation of insulin release by organic calcium-agonists. Malaisse-Lagae F, et al. **Adv Exp Med Biol** 1986;211:201–5

Biochemical design features of the pancreatic islet cell glucose-sensory system. Matschinsky FM, et al. **Adv Exp Med Biol** 1986;211:459–69

Influence of inorganic phosphate on glucose-induced insulin release in vitro. Osuna JI, et al. **Adv Exp Med Biol** 1986; 208:509–15

Cyclic AMP-antagonist, a second messenger for insulin action, inhibits glucose-stimulated insulin secretion in isolated islets of Chinese hamsters. Partke HJ, et al. **Adv Exp Med Biol** 1986;211:409–12

Calcium regulation of membrane fusion during hormone secretion. Pollard HB, et al. **Adv Exp Med Biol** 1986; 211:369–83

The role of anions in the regulation of insulin secretion. Sehlin J. **Adv Exp Med Biol** 1986;211:227–33

Regulation of insulin release independent of changes of cytosolic Ca2+ concentration. Tamagawa T, et al. **Adv Exp Med Biol** 1986;211:293–303

Secretion and degradation of insulin and glucagon in carbon tetrachloride-induced liver injury rats. Ikeda T, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):E660–3

Signal transduction in insulin secretion: comparison between fuel stimuli and receptor agonists. Wollheim CB, et al. **Ann NY Acad Sci** 1986;488:317–33 (84 ref.)

Insulin release from a cloned hamster B-cell line (HIT-T15). The effects of glucose, amino acids, sulphonylureas and colchicine. Lambert DG, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):616–25

Chemiosmotic lysis and insulin secretion: studies of isolated granules, intact and permeabilised rat islets of Langerhans. Jones PM, et al. **Biochim Biophys Acta** 1987 Jul 29; 929(3):302–10

Neuropeptide Y: intrapancreatic neuronal localization and effects on insulin secretion in the mouse. Pettersson M, et al. **Cell Tissue Res** 1987 Apr;248(1):43–8

Streptozotocin treated bullfrogs fail to develop insulin deficiency. Kerns KC, et al. **Comp Biochem Physiol [A]** 1986;85(4):765–9

Adrenergic modulation of pancreatic glucagon and insulin secretion in goats. Oda S, et al. **Comp Biochem Physiol [A]** 1986;84(4):723–8

Interleukin 1 is potent modulator of insulin secretion from isolated rat islets of Langerhans. Comens PG, et al. **Diabetes** 1987 Aug;36(8):963–70

Beta-cell function and insulin sensitivity in nondiabetic HLA-identical siblings of insulin-dependent diabetics. Johnston C, et al. **Diabetes** 1987 Jul;36(7):829–37

High K+ rapidly stimulates Ca2+-dependent phosphorylation of three proteins concomitant with insulin secretion from HIT cells. Oberwetter JM, et al. **Diabetes** 1987 Jul;36(7):864–71

Interleukin 1 inhibits insulin secretion from isolated perifused rat islets. Zawalich WS, et al. **Diabetes** 1986 Oct; 35(10):1119–23

Urinary C-peptide: unsuitable parameter of beta-cell secretion in pancreas transplantation [letter] Esmatjes E, et al. **Diabetes Care** 1987 May-Jun;10(3):384–5

Effect of glipizide on insulin secretion from cultured human fetal pancreatic islets [letter] Peterson CM, et al. **Diabetes Care** 1986 Sep–Oct;9(5):556–7

Effects of duration of cold storage and gestational age on the insulin secretory capacity of human fetal pancreatic islets. Formby B, et al. **Diabetes Res** 1987 Mar;4(3):113–6

Insulin secretion and lysosomal enzyme activities in isolated mouse islets. Effects of glucose, diazoxide and isobutylmethylxanthine. Skoglund G, et al. **Diabetes Res** 1986 Oct;3(8):411–5

Alpha-adrenergic system in the modulation of pancreatic A and B cell function in normal rats. Filipponi P, et al. **Diabetes Res Clin Pract** 1986 Nov-Dec;2(6):325–36

Insulin deficiency in non-insulin-dependent diabetics. Scott RS, et al. **Diabetes Res Clin Pract** 1986 Nov-Dec; 2(6):359–64

Comparison of oral glucose loading and intravenous glucagon injection as stimuli to C-peptide secretion in normal men. Small M, et al. **Diabetic Med** 1985 May; 2(3):181–3

Insulin secretory responses of a clonal cell line of simian virus 40-transformed B cells. Ashcroft SJ, et al. **Diabetologia** 1986 Oct;29(10):727–33

Phosphoinositides turnover and insulin secretion in pancreatic islets. Cheng PY, et al. **Endocrinol Jpn** 1987 Apr; 34(2):189–202

Protection by thymidine, an inhibitor of polyadenosine diphosphate ribosylation, of streptozotocin inhibition of insulin secretion. Bolaffi JL, et al. **Endocrinology** 1987 May; 120(5):2117–22

Phasic effects of glucose, phospholipase A2, and lysophospholipids on insulin secretion. Fujimoto WY, et al. **Endocrinology** 1987 May;120(5):1750–7

Greater in vivo than in vitro pulsatility of insulin secretion with synchronized insulin and somatostatin secretory pulses. Matthews DR, et al. **Endocrinology** 1987 Jun; 120(6):2272–8

Further characterization of insulin secretion from the perfused duodenum-pancreas of chicken: a comparison of insulin release in chickens selected for high and low abdominal fat content. Rideau N, et al. **Endocrinology** 1986 Dec;119(6):2635–41

Influence of the oral hypoglycemic agent linogliride (McN-3935) on insulin secretion from isolated rat islets of Langerhans. Zawalich WS, et al. **Endocrinology** 1987 Mar;120(3):880–5

Effect of sparteine sulphate upon basal and nutrient-induced insulin and glucagon secretion in normal man. Sgambato S, et al. **Eur J Clin Pharmacol** 1987;32(5):477–80

Phentolamine reverses NPY-induced inhibition of insulin secretion in isolated rat islets. Alwmark A, et al. **Eur J Pharmacol** 1987 Mar 31;135(3):307–11

Lack of influence of vitamin D deficiency on insulin release from the isolated pancreatic islets of rats. chan JC, et al. **Experientia** 1986 Dec 1;42(11–12):1253–4

Beta cell response to the hyperglycaemic clamp in three patients with insulinoma: a study using a hyperglycaemic glucose clamp. García López JM, et al. **Horm Metab Res** 1987 Apr;19(4):160–3

Characteristics of insulin and glucagon release from the perfused pancreas, intact isolated islets, and dispersed islet cells. Weir GC, et al. **Horm Res** 1986;24(1):62–72

Newly synthesized proinsulin/insulin and stored insulin are released from pancreatic B cells predominantly via a regulated, rather than a constitutive, pathway. Rhodes CJ, et al. **J Cell Biol** 1987 Jul;105(1):145–53

Effects of vitamin A deficiency and repletion on rat insulin secretion in vivo and in vitro from isolated islets. Chertow BS, et al. **J Clin Invest** 1987 Jan;79(1):163–9

Insulinotropin: glucagon-like peptide I (7–37) co-encoded in the glucagon gene is a potent stimulator of insulin release in the perfused rat pancreas. Mojsov S, et al. **J Clin Invest** 1987 Feb;79(2):616–9

Lack of direct inhibition of insulin secretion by exogenous insulin in the canine pancreas. Stagner J, et al. **J Clin Invest** 1986 Nov;78(5):1193–8

Stimulation of insulin secretion reveals heterogeneity of pancreatic B cells in vivo. Stefan Y, et al. **J Clin Invest** 1987 Jul;80(1):175–83

Insulin release from a cloned precursor beta cell line. Ng KW, et al. **J Endocrinol** 1987 Apr;113(1):3–10

Effects of beta non-selective and beta 1 selective adrenergic blocking agents on glucagon secretion from isolated perfused rat pancreas. Gregorio F, et al. **J Endocrinol Invest** 1986 Jun;9(3):209–15

Early postoperative pancreatic endocrine function after segmental and pancreaticoduodenal allotransplantation in nonimmunosuppressed primates. Du Toit DF, et al. **J Surg Oncol** 1987 Apr;34(4):272–7

Diminished A-cell secretion in the early phase of type I diabetes mellitus. Ganda OP, et al. **Metabolism** 1986 Nov; 35(11):1074–7

Pancreatic beta-cell secretion after oral glucose and intravenous glucagon: different responses to dietary control of plasma glucose in newly diagnosed patients with NIDDM. Hsieh SD, et al. **Metabolism** 1987 Apr; 36(4):384–7

Role of second messengers in the regulation of glucagon secretion from isolated rat islets of Langerhans. Hii CS, et al. **Mol Cell Endocrinol** 1987 Mar;50(1–2):37–44

Restoration of the A cell response to glucose in isolated rat islets of Langerhans. Hii CS, et al. **Mol Cell Endocrinol** 1986 Dec;48(2–3):199–204

Potentiators of insulin secretion modulate Ca2+ sensitivity in rat pancreatic islets. Hughes SJ, et al. **Mol Cell Endocrinol** 1987 Apr;50(3):231–6

Aromatic amino acids and pancreatic islet function: a comparison of L-tryptophan and L-5-hydroxytryptophan. Lindström P, et al. **Mol Cell Endocrinol** 1986 Dec; 48(2–3):121–6

The "secret" of the islets: a footnote to historyMorgenstern L. **Mt Sinai J Med (NY)** 1987 Mar;54(3):197

Pancreastatin, a novel pancreatic peptide that inhibits insulin secretion. Tatemoto K, et al. **Nature** 1986 Dec 4–10; 324(6096):476–8

Enhancement of insulin and glucagon secretion by arginine after hepatic vagotomy. Tanaka K, et al. **Neurosci Lett** 1986 Dec 3;72(1):74–8

Nutrition classics. The Journal of Laboratory and Clinical Medicine, Vol. VII, 1922: The internal secretion of the pancreas. By F. G. Banting, and C. H. Best. **Nutr Rev** 1987 Feb;45(2):55–7

Effect of copper on insulin release by the intact rat pancreas and the perfused rat pancreas. Cohen AM, et al. **Pancreas** 1986;1(4):309–16

Increased insulin secretion in response to glucose in isolated islets of Langerhans from bile duct-occluded rats. Holmberg JT, et al. **Pancreas** 1986;1(6):498–500

Paradoxical potentiation of stimulated insulin release by dantrolene in rat pancreatic islets. Pian-Smith MC, et al. **Pancreas** 1986;1(6):501–8

Stimulation of insulin release and suppression of feeding by hepatic portal glucagon infusion in rats. Weick BG, et al. **Physiol Behav** 1986 Oct;38(4):531–6

Secretin N-terminal hexapeptide potentiates insulin release in mouse islets. Kofod H. **Regul Pept** 1986 Oct;15(3):229–37

Assays of pancreatic B cell secretory products: utility in investigative and clinical diabetology. Malmquist J, et al. **Scand J Clin Lab Invest** 1986 Dec;46(8):705–13 (64 ref.)

Glucose-induced responses of insulin and gastric inhibitory polypeptide in various animal models. Ohneda A, et al. **Tohoku J Exp Med** 1987 Jan;151(1):97–104

[Extracellular ATP potentiates the secretion of insulin induced by tolbutamide] Selles P, et al. **C R Soc Biol (Paris)** 1986;180(5):564–7 (Eng. Abstr.) **(Fre)**

[Regulation of endocrine pancreas secretions (insulin and glucagon) during the periodic lethargy-waking cycle of the hibernating mammal] Castex C, et al. **Diabete Metab** 1987 Jun;13(3):176–81 (Eng. Abstr.) **(Fre)**

[Current data on insulin secretion and its regulation] Loubatières-Mariani MM. **J Pharmacol** 1986;17 Suppl 2:83–103 (Eng. Abstr.) **(Fre)**

[Opioid peptides. Their role in the physiopathology of the endocrine pancreas function] Giugliano D. **Minerva Endocrinol** 1986 Apr–Jun;11(2):77–87 (Eng. Abstr.) **(Ita)**

[Studies on kinetics of insulin secretion in perifused pancreatic islets of hamster. I. Characteristics of insulin secretory response to various secretagogues] Kikuchi M. **Fukuoka Igaku Zasshi** 1987 Feb;78(2):39–45 (Eng. Abstr.) **(Jpn)**

[Studies on kinetics of insulin secretion in perifused pancreatic islets of hamster. II. An inhibitory effect of sulfonylureas on a subsequent glucose-stimulated insulin secretion] Kikuchi M. **Fukuoka Igaku Zasshi** 1987 Feb; 78(2):46–54 (Eng. Abstr.) **(Jpn)**

[Endocrine function of the pancreas in physiologic pregnancy] Polozhenkova LA, et al. **Akush Ginekol (Mosk)** 1987 Feb;(2):64 **(Rus)**

[Effect of fluothane, sodium hydroxybutyrate, ketamine, viadril and althesin on the insulin-producing function of the pancreas and insulin transport and utilization in children with congenital heart defects] Tsyganil AA, et al. **Anesteziol Reanimatol** 1987 Jan–Feb;(1):7–10 (Eng. Abstr.) **(Rus)**

[Participation of intestinal hormones in the development of the pancreatic B-cell reactivity of rat fetuses to the action of glucose] Sapronova AIa. **Biull Eksp Biol Med** 1987 Feb; 103(2):139–41 (Eng. Abstr.) **(Rus)**

[Pancreatic incretory function in the hypothalamic puberty syndrome] Kaiusheva IV, et al. **Klin Med (Mosk)** 1986 Aug; 64(8):95–100 (Eng. Abstr.) **(Rus)**

[Carbohydrate metabolism of patients with polycythemia vera and symptomatic polycythemia] Kotsiubinskiĭ NN, et al. **Klin Med (Mosk)** 1986 Sep;64(9):95–8 (Eng. Abstr.) **(Rus)**

[Characteristics of the endocrine function of the pancreas in diffuse toxic goiter in children] Abdullaeva ZhM, et al. **Probl Endokrinol (Mosk)** 1987 Jan–Feb;33(1):11–5 (Eng. Abstr.) **(Rus)**

[Radioimmunologic study of the endo- and exocrine functions of the pancreas in patients with atopic dermatitis] Glukhen'kiĭ BT, et al. **Vestn Dermatol Venerol** 1987; (6):18–20 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Diabetes mellitus in the BB/W rat. Insulitis in pancreatic islet grafts after transplantation in diabetic recipients. Weringer EJ, et al. **Am J Pathol** 1986 Oct;125(1):107–12

Insulin and islet cell transplants: effects on diabetic rat cardiac myofibril ATPase. MacLean IM, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):E244–7

Capsules for transplanted islet cells. **Am Pharm** 1986 Nov; NS26(11):16

Comparison of whole pancreas and pancreatic islet transplantation in controlling nephropathy and metabolic disorders of diabetes. Orloff MJ, et al. **Ann Surg** 1987 Sep; 206(3):324–34

Perinephric and subhepatic abscesses associated with renal subcapsular islet cell transplantation. Toledo-Pereyra LH, et al. **Bol Asoc Med PR** 1986 Nov;78(11):483–5

Successful autotransplantation of isolated islets of Langerhans in the cynomolgus monkey. Gray DW, et al. **Br J Surg** 1986 Oct;73(10):850–3

Comparison of harvesting methods for islet transplantation. Griffin SM, et al. **Br J Surg** 1986 Sep;73(9):712–5

Islet transplantation. Lacy PE. **Clin Chem** 1986 Oct;32(10 Suppl):B76–82 (64 ref.)

Prevention of diabetic retinal capillary pericyte degeneration and loss by pancreatic islet allograft. Chakrabarti S, et al. **Curr Eye Res** 1987 May;6(5):649–58

Effect of anti-Ia antibodies, culture, and cyclosporin on prolongation of canine islet allograft survival. Alejandro R, et al. **Diabetes** 1987 Mar;36(3):269–73

Hormone release, islet yield, and transplantation of fetal and neonatal rat dorsal and ventral pancreatic islets. Hayek A, et al. **Diabetes** 1986 Nov;35(11):1189–92

Comparison of two methods of islet preparation and transplantation in dogs. Hesse U, et al. **Diabetes** 1986 Oct; 35(10):1109–18

Allotransplantation of islet endocrine aggregates. Kakizaki K, et al. **Diabetes** 1987 Mar;36(3):315–9

Combined treatment with nicotinamide and desferrioxamine prevents islet allograft destruction in NOD mice. Nomikos IN, et al. **Diabetes** 1986 Nov;35(11):1302–4

Extended survival of MHC-compatible islet grafts from diabetes-resistant donors in spontaneously diabetic BB/W rat. Selawry H, et al. **Diabetes** 1987 Sep;36(9):1061–7

Reversal of diabetes in outbred mice by islet allotransplantation. Simeonovic CJ, et al. **Diabetes** 1986 Dec;35(12):1345–9

Effect of diet on islet cell transplantation. Rajotte RV, et al. **Diabetes Res** 1987 Mar;4(3):125–30

Effects of intratesticular islet transplantation on hepatic glycogen metabolism in the rat. Margolis RN, et al. **Diabetes Res Clin Pract** 1986 Sep–Oct;2(5):291–9

Can molecular and cell biology offer a cure for diabetes? Steel CM. **Diabetic Med** 1987 Jan–Feb;4(1):9–12 (33 ref.)

Long-term survival of human fetal pancreatic tissue transplanted into an insulin-dependent diabetic patient. Tuch BE, et al. **Diabetic Med** 1986 Jan;3(1):24–8

Prolongation of rat pancreatic islet allograft survival by treatment of recipient rats with monoclonal anti-interleukin-2 receptor antibody and cyclosporin. Hahn HJ, et al. **Diabetologia** 1987 Jan;30(1):44–6

The renal subcapsular site offers better growth conditions for transplanted mouse pancreatic islet cells than the liver or spleen. Mellgren A, et al. **Diabetologia** 1986 Sep; 29(9):670–2

Renal subcapsular versus portal vein site for islet transplantation in mice [letter] Stock PG, et al. **Diabetologia** 1987 Mar;30(3):193

Prolongation of graft survival in allogeneic islet transplantation by (-) 15-deoxyspergualin in the rat. Walter PK, et al. **Diabetologia** 1987 Jan;30(1):38–40

Islet transplantation in experimental diabetes of the rat. XI: In vitro tests on artificial membrane applied in islet transplantation. Zekorn T, et al. **Horm Metab Res** 1987 Feb;19(2):87–8

Natural history of intrahepatic canine islet cell autografts. Alejandro R, et al. **J Clin Invest** 1986 Nov;78(5):1339–48

Blood flow measurements in autotransplanted pancreatic islets of the rat. Impairment of the blood perfusion of the graft during hyperglycemia. Sandler S, et al. **J Clin Invest** 1987 Jul;80(1):17–21

Donor-specific antigen and cyclosporine in rat islet allograft. Kakizaki K, et al. **J Surg Res** 1987 May; 42(5):494–7

Cryopreservation of mouse, monkey and human islets of Langerhans for transplantation purposes. Jutte NH, et al. **Neth J Surg** 1987 Feb;39(1):15–8

Treatment of type 1 diabetes mellitus in non-obese diabetic mice by transplantation of allogeneic bone marrow and pancreatic tissue. Yasumizu R, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6555–7

Islet allograft survival after a single course of treatment of recipient with antibody to L3T4. Shizuru JA, et al. **Science** 1987 Jul 17;237(4812):278–80

Canine islet autografts with and without administration of cyclosporine. Gores PF, et al. **Surgery** 1987 May; 101(5):557–61

Neural regulation of heterotopic islets of Langerhans. Kakizaki K, et al. **Surgery** 1986 Dec;100(6):997–1002

Xenotransplantation of microencapsulated canine islets in diabetic mice. Calafiore R, et al. **Trans Assoc Am Physicians** 1986;99:28–33

The effect of multiple-organ donation on the degree of preservation of isolated pancreas islets. Abri O, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 4):99–102

Effect of skin grafts on pancreatic islet cell allografts in the renal subcapsular space. Amiel J, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2368–71

Studies on the two-signal model for T cell activation in vivo. Babcock SK, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):303–6

Rat fetal pancreas allograft survival is enhanced following donor tissue organ culture and host immunosuppression. Bowen KM, et al. **Transplant Proc** 1987 Apr;19(2):2926–9

Synergy of ALS and UV-B in prolongation of primate-to-mouse islet xenograft survival. Chabot J, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1160–5

The effect of murine fetal islet transplants on renal and retinal capillary basement membrane thickness. Cuthbertson RA, et al. **Transplant Proc** 1987 Apr;19(2):2919–21

The effect of islet transplantation on diabetic retinal endothelial cell proliferation. Cuthbertson RA, et al. **Transplant Proc** 1987 Apr;19(2):2913–5

Cryopreservation purifies canine pancreatic microfragments. Evans MG, et al. **Transplant Proc** 1987 Aug;19(4):3471–7

Prolonged survival of endocrine allografts with preoperative cyclosporine A. Gebel HM, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):946–9

Transplanted fetal pancreas allografts regulate blood glucose to donor-strain levels. Georgiou HM, et al. **Transplant Proc** 1987 Apr;19(2):2922–5

The isolation and purification of human pancreatic islets. Kneteman NM, et al. **Transplant Proc** 1987 Aug; 19(4):3469–70

Xenogeneic pancreatic islet transplantation using a millipore diffusion chamber. Kojima Y, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):981–3

The effect of chronic diabetes and continuous pretransplantation insulin infusion on the function of organ-cultured fetal islet isografts. Mandel TE, et al. **Transplant Proc** 1987 Apr;19(2):2916–8

Effect of hybrid artificial pancreas on glucose regulation in diabetic dogs. Segawa M, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 2):985–8

Clinical pancreas and islet transplantation. Sutherland DE, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):113–20

Isolation of islets of Langerhans following cold storage of human pancreas. Warnock GL, et al. **Transplant Proc** 1987 Aug;19(4):3466–8

Oral glucose tolerance and response to mixed meals in dogs bearing long-term transplanted islets of Langerhans. Warnock GL, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):969–73

Isolation and quantification of canine islet tissue for transplantation. Alderson D, et al. **Transplantation** 1987 Apr;43(4):579–81

Lack of tolerance to donor-strain skin grafts in mice with established islet allografts. Gores DF, et al. **Transplantation** 1987 May;43(5):749–50

Prolonged survival of intraportal versus subrenal capsular transplanted islet allografts. Gores PF, et al. **Transplantation** 1987 May;43(5):747–9

Immunological characteristics of purified pancreatic islet grafts. Gotoh M, et al. **Transplantation** 1986 Oct; 42(4):387–90

Developments in isolated pancreatic islet transplantation. Gray DW, et al. **Transplantation** 1987 Mar;43(3):321–31 (173 ref.)

Effect of cyclosporine on islet xenograft survival in the BB/W rat. Selawry H, et al. **Transplantation** 1986 Nov; 42(5):568–70

Canine islet cell transplantation under the kidney capsule [letter] Toledo-Pereyra LH. **Transplantation** 1986 Oct; 42(4):443

The endocrine function of heterotopic islets of Langerhans. Merrell R, et al. **World J Surg** 1986 Oct;10(5):770–5

[Perspectives in the clinical application of pancreas transplantation in the diabetic] du Toit DF, et al. **S Afr Med J** 1986 Dec 20;70(13):822–6 (53 ref.) (Eng. Abstr.) **(Afr)**

[Autotransplantation of islets of Langerhans in the rat using a new method of isolating the islets] Houry S, et al. **J Chir (Paris)** 1986 Oct;123(10):551–4 (Eng. Abstr.) **(Fre)**

[Transplantation of purified cells from the islands of Langerhans] Pipeleers D, et al. **Journ Annu Diabetol Hotel Dieu** 1987;:91–4 **(Fre)**

[Development of bioartificial pancreases] Reach G. **Journ Annu Diabetol Hotel Dieu** 1987;:303–11 **(Fre)**

[Islet cell transplantation and diabetes mellitus] Bretzel RG. **Fortschr Med** 1987 Apr 25;105(12):237–8 **(Ger)**

[Pancreas and islands of Langerhans transplantation in diabetes mellitus] Bretzel RG, et al. **Internist (Berlin)** 1987 Apr;28(4):254–61 **(Ger)**

[Relation of implanted beta cell mass and metabolic status following transplantation of pancreatic fragments in the dog] Hesse UJ. **Langenbecks Arch Chir** 1987;370(4):211–21 (Eng. Abstr.) **(Ger)**

[Islet cell transplantation--facts and development] Bretzel RG. **Med Klin** 1987 Jun 19;82(14):495–8 **(Ger)**

[Experimental and clinical organ transplantation. Charité-Symposium 1985. Berlin, East Germany, 16–20 September 1985] **Z Exp Chir Transplant Kunstliche Organe** 1986; 19(4):199–266 **(Ger)**

[Surgical experiences with segmental pancreatic transplantation in type I diabetes] Abendroth D, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(4):234–6 **(Ger)**

[Transplantation of pancreatic islets in dogs--a new method] Amiel JA, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(4):253–5 **(Ger)**

[Our experiences with pancreas transplantation in diabetic patients] Bartoš V, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(4):236–8 **(Ger)**

[Experimental and clinical islet transplantation] Bretzel RG, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986; 19(4):243–6 **(Ger)**

[Immunogenetic aspects of the transplantation of isolated islands of Langerhans] Klöting I, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(4):252–3 **(Ger)**

[Release of pancreatic polypeptide and insulin after autotransplantation of the pancreas in dogs] Köhler H, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986; 19(4):259–62 **(Ger)**

[Influence of the pancreas transplantation technic on islet morphology, long-term function and the rejection process in inbred rats] Schang T, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(4):238–42 **(Ger)**

[Prolongation of the survival time of islet allografts in the Lewis rat system by culture technics or PUVA pretreatment of the isolated islets] Wilke B, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(4):249–51 **(Ger)**

[Developments of islet cell transplantation] Federlin K, et al. **Z Gastroenterol [Verh]** 1987 Apr;22:78–85 (16 ref.) **(Ger)**

[Microencapsulation of living cells and tissues. Theoretical and practical aspects] Calafiore R, et al. **Recenti Prog Med** 1987 Feb;78(2):87–90 (Eng. Abstr.) **(Ita)**

[Control of diabetes by transplants of islands of Langerhans prepared without the use of enzymatic digestion: experimental study in the rat] Macedo CS, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Mar–Apr; 41(2):55–60 (Eng. Abstr.) **(Por)**

[Experience with the treatment of children with diabetes mellitus using allo- and xenografts of cultures of pancreatic islet cells] Benikova EA, et al. **Probl Endokrinol (Mosk)** 1987 Mar–Apr;33(2):19–22 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Quantitative ultrastructural changes induced by glucose in pancreatic B cells. Semino MC, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(4):447–61

Morphology and endocrine production of cells in the islets of Langerhans of the Chacma baboon. Wolfe-Coote SA, et al. **Anat Rec** 1987 May;218(1):56–65

Electron microscopic observation of the primary cilium in the pancreatic islets. Yamamoto M, et al. **Arch Histol Jpn** 1986 Oct;49(4):449–57

Somatostatin-containing D cells exhibit immunoreactivity for rat somatostatin cryptic peptide in six mammalian species. An electron-microscopical study. Varndell IM, et al. **Cell Tissue Res** 1986;246(1):197–204

Morphometric studies of secretory granule distribution and association with microtubules in beta-cells of rat islets during glucose stimulation. Yorde DE, et al. **Diabetes** 1987 Aug;36(8):905–13

Use of osmium etching procedures for studying the ultrastructure of isolated rat islets of Langerhans. Howell SL, et al. **Diabetes Res** 1987 May;5(1):13–8

Stimulation by ATP of proinsulin to insulin conversion in isolated rat pancreatic islet secretory granules. Association with the ATP-dependent proton pump. Rhodes CJ, et al. **J Biol Chem** 1987 Aug 5;262(22):10712–7

Localization of glycoproteins in insulin secretory granules by ultrastructural autoradiography. Haddad A, et al. **J Histochem Cytochem** 1987 Oct;35(10):1059–62

Correlation of rhythmic variations in subcellular structures of rat hepatocytes, pancreatic acinar cells, and islet B cells. Uchiyama Y, et al. **Prog Clin Biol Res** 1987;227A:153–62

Dissociation of Langerhans islets in the rabbit after pancreatic duct ligation. Immunocytochemical and ultrastructural studies. Catala J, et al. **Virchows Arch [B]** 1987;52(6):539–51

Scanning electron microscopic study on isolated islets. I. A new isolation method of pancreatic islets. Yoshinaga T,

et al. **Z Mikrosk Anat Forsch** 1986;100(4):639–44
[Electron microscopic studies of the islands of Langerhans in the rat. The B cell and the capillaries] Xiong XK. **J Tongji Med Univ** 1986;6(4):241–5 (Eng. Abstr.) **(Ger)**
[Morphological changes in islands of Langerhans following occlusion of the pancreatic duct in dogs] Tihanyi T, et al. **Morphol Igazsagugyi Orv Sz** 1986 Oct;26(4):256–63 (Eng. Abstr.) **(Hun)**
[Ultrastructure of cells from the liver–endocrine pancreas system in hibernating animals] Adodina LV, et al. **Arkh Anat Gistol Embriol** 1987 Apr;92(4):78–86 (Eng. Abstr.) **(Rus)**
[Ultrastructural features of pancreatic islet cells during prolonged glucose administration] Khidoiatov BA, et al. **Probl Endokrinol (Mosk)** 1987 Mar–Apr;33(2):72–5 (Eng. Abstr.) **(Rus)**

ISLET-ACTIVATING PROTEIN see **PERTUSSIS TOXINS**

ISLET CELL TUMOR

Insulinoma and glucagonoma. Boden G. **Semin Oncol** 1987 Sep;14(3):253–62 (33 ref.)
VIPoma syndrome. Mekhjian HS, et al. **Semin Oncol** 1987 Sep;14(3):282–91 (110 ref.)
Somatostatinomas, PPomas, neurotensinomas. Vinik AI, et al. **Semin Oncol** 1987 Sep;14(3):263–81 (119 ref.)
[Endocrine cancers of the pancreas] Bosquet F, et al. **Ann Med Interne (Paris)** 1987;138(1):61–9 (84 ref.) **(Fre)**

ANALYSIS

Synaptophysin. A new marker for pancreatic neuroendocrine tumors. Chejfec G, et al. **Am J Surg Pathol** 1987 Apr; 11(4):241–7
Identification in rat brain of a 19-kDa protein that comigrates on two-dimensional electrophoresis with p19, a hormonally regulated phosphoprotein of insulinoma cells. Schubart UK, et al. **Biochem Biophys Res Commun** 1987 Jul 31; 146(2):410–5
Proinsulin radioimmunoassay in the evaluation of insulinomas and familial hyperproinsulinemia. Cohen RM, et al. **Metabolism** 1986 Dec;35(12):1137–46

BLOOD

Hormonal modification of the growth and metabolic effects of a transplantable rat insulinoma. Flatt PR, et al. **Acta Endocrinol (Copenh)** 1986 Sep;113(1):82–7
Alpha-fetoprotein associated with islet cell tumors. Lokich JJ, et al. **Am J Clin Oncol** 1987 Apr;10(2):133–5
Lack of suppression of insulin secretion by hyperinsulinemia in a patient with an insulinoma. Cohen P, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1411–3
The effect of exogenous hyperinsulinemia on proinsulin secretion in normal man, obese subjects, and patients with insulinoma. Koivisto VA, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1117–20
Peptide histidine-methionine immunoreactivity in plasma and tissue from patients with vasoactive intestinal peptide-secreting tumors and watery diarrhea syndrome. Yiangou Y, et al. **J Clin Endocrinol Metab** 1987 Jan; 64(1):131–9

CHEMICALLY INDUCED

Chemically induced microencapsulated rat insuloma as a bioartificial endocrine pancreas. Horányi J, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(4):255–9

COMPLICATIONS

Insulinoma producing progressive neurological deterioration over 30 years [letter] Leys D, et al. **Br Med J [Clin Res]** 1986 Oct 11;293(6552):955
On the use of a new somatostatin analogue in the treatment of hypoglycaemia in patients with insulinoma. Verschoor L, et al. **Clin Endocrinol (Oxf)** 1986 Nov;25(5):555–60
Successful treatment of glucagonoma-related necrolytic migratory erythema with dacarbazine. van der Loos TL, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 2):468–72
Nonfunctioning islet cell tumor presenting as gastrointestinal bleeding [letter] Stalnikowicz R, et al. **J Clin Gastroenterol** 1986 Dec;8(6):699–700
Left-sided portal hypertension from malignant islet cell tumour of the pancrease: review with a case report. Chellappa M, et al. **J R Coll Surg Edinb** 1986 Aug; 31(4):251–2
A glucagon-secreting pancreatic alpha islet cell tumor presenting as spinal cord compression. Staren ED, et al. **J Surg Oncol** 1987 Aug;35(4):249–52
Getting up groggy. Giannetto LA, et al. **NC Med J** 1986 Dec;47(12):563–5
[Glucagonoma syndrome. Unusual histologic image] Poiares Baptista A, et al. **Ann Dermatol Venereol** 1987;114(1):55–8 **(Fre)**
[Hypoglycemia in the adult caused by a tumor or endocrine hyperplasia of the pancreas] Besson A. **Rev Med Suisse Romande** 1986 Aug;106(8):685–96 **(Fre)**
[A case of glucagonoma presenting with epigastric and back pain as an initial manifestation] Hazaki R, et al. **Nippon Naika Gakkai Zasshi** 1987 Apr;76(4):592–3 **(Jpn)**
[Nesidioblastosis and insulinoma. An infrequent association] Madeira MD, et al. **Acta Med Port** 1986 Jul–Aug; 7(4):165–70 (Eng. Abstr.) **(Por)**
[Insuloma of the pancreas in a diabetic] Lifshits IuZ, et al. **Klin Khir** 1987;(5):47–8 **(Rus)**
[Insulinoma, complex partial seizures and diphenylhydantoin (letter)] Lamas Barreiro JM, et al. **Rev Clin Esp** 1987 Jun; 181(1):56–7 **(Spa)**

CONGENITAL

Neonatal islet cell adenoma: a distinct type of islet cell tumor? Bordi C, et al. **Diabetes Care** 1982 Mar–Apr;5(2):122–5

DIAGNOSIS

Clinical observation of 3 patients with glucagonoma. Lawecki J, et al. **Acta Med Pol** 1986;27(1–2):57–65
Structure enhancement by subtraction in magnetic resonance imaging. Hemmingsson A, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jul–Aug;27(4):459–61
Benign pancreatic insulinoma: preoperative and intraoperative sonographic localization. Gorman B, et al. **AJR** 1986 Nov;147(5):929–34
Glucagonoma syndrome. Bloom SR, et al. **Am J Med** 1987 May 29;82(5B):25–36 (44 ref.)
VIPoma syndrome. Krejs GJ. **Am J Med** 1987 May 29; 82(5B):37–48 (120 ref.)
Use of the glucose clamp technique for confirmation of insulinoma autonomous hyperinsulinism. Gin H, et al. **Arch Intern Med** 1987 May;147(5):985–7
Carcinoid and neuroendocrine tumours of the liver. Hodgson HJ, et al. **Baillieres Clin Gastroenterol** 1987 Jan;1(1):35–61 (68 ref.)
Pancreatic endocrine tumours [editorial] Carter DC. **Br Med J [Clin Res]** 1987 Mar 7;294(6572):593–4
Insulinoma unmasked by the Cambridge diet. Labib M, et al. **Br Med J [Clin Res]** 1987 May 30;294(6584):1383–4
Factitious hypoglycemia due to administration of human synthetic insulin: new diagnostic challenge [letter] Johnson RG Jr, et al. **Diabetes Care** 1987 Mar–Apr;10(2):253–5
Factitious hypoglycemia mimicking insulinoma [letter] Ziegler O, et al. **Diabetes Care** 1987 May–Jun;10(3):377–8
Hyperplastic and neoplastic endocrine cells of the pancreas in aspiration biopsy. Nguyen GK, et al. **Diagn Cytopathol** 1986 Sep;2(3):204–11
Fine-needle aspiration cytology in pancreatic endocrine tumors [published erratum appears in Diagn Cytopathol 1987 Jun;3(2):176] Sneige N, et al. **Diagn Cytopathol** 1987 Mar;3(1):35–40
Comparative diagnostic value of the calcium-pentagastrin test versus the tolbutamide test in a patient with a somatostatinoma. Budmiger H, et al. **Gastroenterology** 1987 Mar;92(3):800–4
Intraoperative ultrasonography in endocrine pancreatic surgery: preliminary results in 6 cases of insulinoma. Gigot JF, et al. **J Belge Radiol** 1986;69(1):57–62
A standardized meal stimulation test of the endocrine pancreas for early detection of pancreatic endocrine tumors in multiple endocrine neoplasia type 1 syndrome: five years experience. Skogseid B, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1233–40
Preoperative localization and intraoperative glucose monitoring in the management of patients with pancreatic insulinoma. Katz LB, et al. **Surg Gynecol Obstet** 1986 Dec; 163(6):509–12
Transhepatic portal sampling for preoperative localization of insulinomas. Pedrazzoli S, et al. **Surg Gynecol Obstet** 1987 Aug;165(2):101–6
Pancreatic apudomas. Joffe SN. **Trop Gastroenterol** 1987 Jan–Mar;8(1):34–45 (19 ref.)
Applying information technology to clinical medicine [letter] Yager NB. **West J Med** 1986 Oct;145(4):521–2
[Carcinoid of ectopic pancreas tissue—islet cell tumor] Chen LZ, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Jul; 8(4):312–3 (Eng. Abstr.) **(Chi)**
[9 case reports of insulinoma. Proposals for a current therapeutic strategy] Bouttier S, et al. **Ann Chir** 1987 Feb; 41(1):24–33 (Eng. Abstr.) **(Fre)**
[Diagnosis of vipoma] Fried M, et al. **Dtsch Med Wochenschr** 1986 Nov 14;111(46):1766–8 (17 ref.) **(Ger)**
[Studies on the diagnosis of insulinoma] Kurihara Y. **Hokkaido Igaku Zasshi** 1987 Jan;62(1):5–19 (Eng. Abstr.) **(Jpn)**
[Clinical observation of 3 patients with glucagon-secreting pancreatic tumors] Lawecki J, et al. **Pol Arch Med Wewn** 1986 Sep;76(3):182–9 (Eng. Abstr.) **(Pol)**
[Glucagonoma syndrome] Antonov AV. **Probl Endokrinol (Mosk)** 1987 Jan–Feb;33(1):70–8 (115 ref.) **(Rus)**
[Hormonally active tumors of the pancreas] Shalimov AA, et al. **Sov Med** 1986;(8):40–4 (Eng. Abstr.) **(Rus)**
[Localization of 2 insulinomas by blood insulin gradients obtained by transparietal hepatic catheterization of the portal system (letter)] López de la Torre M, et al. **Med Clin (Barc)** 1986 Dec 6;87(19):824–5 **(Spa)**
[Tumors producer of hormones in the digestive system. Vasoactive intestinal polypeptide (VIP). Carcinoid] Anzures López ME. **Rev Gastroenterol Mex** 1986 Jul–Sep; 51(3):177–9 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Chemotherapy of metastatic carcinoid and islet cell tumors. A review. Kvols LK, et al. **Am J Med** 1987 May 29; 82(5B):77–83 (59 ref.)
Pseudopancreatic cholera syndrome: effect of a synthetic somatostatin analogue, SMS 201-995. Santangelo WC, et al. **Am J Med** 1987 May 29;82(5B):84–7
Treatment of metastatic islet cell carcinoma with a somatostatin analogue (SMS 201-995). Kvols LK, et al. **Ann Intern Med** 1987 Aug;107(2):162–8
Phase II trial of etoposide in APUD tumors. Kelsen D, et al. **Cancer Treat Rep** 1987 Mar;71(3):305–7
Escape of the response to a long-acting somatostatin analogue (SMS 201-995) in patients with VIPoma. Koelz A, et al. **Gastroenterology** 1987 Feb;92(2):527–31
Use of a somatostatin analog (SMS 201-995) in the glucagonoma syndrome. Altimari AF, et al. **Surgery** 1986 Dec;100(6):989–96

ENZYMOLOGY

Defective regulation of glucokinase in rat pancreatic islet cell tumours. Lenzen S, et al. **Acta Endocrinol (Copenh)** 1987 Aug;115(4):514–20
Phospholipase C activation via a GTP-binding protein in tumoral islet cells stimulated by carbamylcholine. Blachier F, et al. **Experientia** 1987 Jun 15;43(6):601–2

FAMILIAL & GENETIC

Hexokinase isoenzymes of RIN-m5F insulinoma cells. Expression of glucokinase gene in insulin-producing cells. Vischer U, et al. **Biochem J** 1987 Jan 1;241(1):249–55
Novel gene activated in rat insulinomas. Takasawa S, et al. **Diabetes** 1986 Oct;35(10):1178–80
[Multiple endocrine neoplasms (MEN I): experience with 15 cases] Herrera Pombo JL, et al. **Med Clin (Barc)** 1987 May 16;88(19):754–9 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Suppressed colony formation of peripheral blood lymphocytes in a patient with somatostatinoma. Vehmeyer K, et al. **Clin Immunol Immunopathol** 1986 Nov;41(2):290–4
Expression of class I MHC proteins on RIN-m5F cells is increased by interferon-gamma and lymphokine-conditioned medium. Campbell IL, et al. **Diabetes** 1986 Nov;35(11):1225–8
Presence of complement-dependent cytotoxic activity against clonally-derived rat islet tumour cells in sera from type 1 (insulin-dependent) diabetic patients and control subjects. Cavender DE, et al. **Diabetologia** 1986 Sep; 29(9):616–22
Cell surface antigens on rat islet tumors. Thomas JW, et al. **J Immunol** 1987 May 1;138(9):2896–901
Interferon-gamma: pleiotropic effects on a rat pancreatic beta cell line. Campbell IL, et al. **Mol Cell Endocrinol** 1987 Jul; 52(1–2):161–7
Carbohydrate antigen (CA 19.9) and malignant glucagonoma [letter] Archambeaud-Mouveroux F, et al. **N Engl J Med** 1986 Dec 11;315(24):1555
Recombinant gamma interferon induces class II major histocompatibility complex antigens on insulinoma cells. van Vliet E, et al. **Tissue Antigens** 1987 Apr;29(4):195–200

METABOLISM

D-glucose transport and concentration in tumoral insulin-producing cells. Giroix MH, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):C847–51
3-O-methyl-D-glucose transport in tumoral insulin-producing cells. Malaisse WJ, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):C841–6
Glucose stimulates insulin release without altering cyclic AMP production or inositolphospholipid turnover in freshly obtained human insulinoma cells. Chiba T, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):263–8
Characterization of glucose transport in an insulin-secreting cell line. Trautmann ME, et al. **Biochem J** 1987 Mar 15; 242(3):625–30
Effects of transplantation and resection of a radiation-induced rat insulinoma on glucose homeostasis and the endocrine pancreas. Flatt PR, et al. **Br J Cancer** 1986 Oct;54(4):685–92
Cushing's syndrome due to ectopic proopiomelanocortin gene expression by islet cell carcinoma of the pancreas. Melmed S, et al. **Cancer** 1987 Feb 15;59(4):772–8
Effect of cytochalasin B on glucose uptake, utilization, oxidation and insulinotropic action in tumoral insulin-producing cells. Malaisse WJ, et al. **Cell Biochem Funct** 1987 Jul;5(3):183–7
Glucose transport by radiation-induced insulinoma and clonal pancreatic beta-cells. Meglasson MD, et al. **Diabetes** 1986 Dec;35(12):1340–4
Glucose turnover in insulinoma—a case report. Hanna AK, et al. **Diabetes Res Clin Pract** 1987 Mar–Apr;3(2):111–4
Galanin receptors in a hamster pancreatic beta-cell tumor: identification and molecular characterization. Amiranoff B, et al. **Endocrinology** 1987 Jul;121(1):284–9
Effects of cytotoxic drugs and inhibitors of insulin secretion on a serially transplantable rat insulinoma and cultured rat insulinoma cells. Flatt PR, et al. **Gen Pharmacol** 1987; 18(3):293–7
Beta cell response to the hyperglycaemic clamp in three patients with insulinoma: a study using a hyperglycaemic glucose clamp. García López JM, et al. **Horm Metab Res** 1987 Apr;19(4):160–3

Thyrotropin-releasing hormone and insulin in chemically induced pancreatic islet cell tumors in rats. Kazumi T, et al. **Horm Metab Res** 1986 Sep;18(9):584–6

Channeling of alpha-D-glucose 6-phosphate in tumoral islet cells exposed to D-galactose. Malaisse WJ, et al. **J Biol Chem** 1987 Aug 25;262(24):11746–51

In vitro study of cultured human insulinoma cells: evidence of abnormal sensitivity to glucose. Yasunami Y, et al. **J Clin Endocrinol Metab** 1987 Jul;65(1):110–5

Multipotential phenotypic expression of genes encoding peptide hormones in rat insulinoma cell lines. Philippe J, et al. **J Clin Invest** 1987 Feb;79(2):351–8

Free amino acid levels in muscle and liver of a patient with glucagonoma syndrome. Roth E, et al. **Metabolism** 1987 Jan;36(1):7–13

Metabolic and secretory response of tumoral-insulin producing cells to D-fructose and D-galactose. Giroix MH, et al. **Mol Cell Biochem** 1987 Apr;74(2):163–71

Regulation of insulin mRNA abundance and adenylation: dependence on hormones and matrix substrata. Muschel R, et al. **Mol Cell Biol** 1986 Jan;6(1):337–41

Calcium and ATP regulate the activity of a non-selective cation channel in a rat insulinoma cell line. Sturgess NC, et al. **Pflugers Arch** 1987 Aug;409(6):607–15

[Metabolic control of insulinoma with a prolonged-action somatostatin agonist (letter)] Kaloustian E. **Presse Med** 1986 Oct 25;15(37):1881–2 **(Fre)**

MICROBIOLOGY

Evidence for the presence of virus in clonal insulin-producing RINm5F cells. Hoftiezer V, et al. **Experientia** 1987 Apr 15;43(4):420–1

Association of BK virus with human brain tumors and tumors of pancreatic islets. Corallini A, et al. **Int J Cancer** 1987 Jan 15;39(1):60–7

PATHOLOGY

Cytologic features of islet-cell tumors. Bell DA. **Acta Cytol** 1987 Jul–Aug;31(4):485–92

Isolated peliosis of pancreatic islet cell adenoma [letter] Pernicone PJ, et al. **Arch Pathol Lab Med** 1987 Aug; 111(8):690–1

Somatostatinoma of Vater's papilla and of the minor papilla. Stömmer PE, et al. **Cancer** 1987 Jul 15;60(2):232–5

Biological differences in a rat insulinoma cell line obtained from different laboratories do not affect binding of human anti-islet immunoglobulins. McElvoy RC, et al. **Diabetes Res** 1986 Sep;3(7):339–44

Reversible morphological and functional abnormalities of RINm5F cells cultured on polystyrene sulfonate beads. Aubert N, et al. **J Biomed Mater Res** 1987 May; 21(5):585–601

Cloned cell lines from a transplantable islet cell tumor are heterogeneous and express cholecystokinin in addition to islet hormones. Madsen OD, et al. **J Cell Biol** 1986 Nov; 103(5):2025–34

Somatostatinoma: a case report and review of the literature. Harris GJ, et al. **J Surg Oncol** 1987 Sep;36(1):8–16

Amyloid fibrils in human insulinoma and islets of Langerhans of the diabetic cat are derived from a neuropeptide-like protein also present in normal islet cells. Westermark P, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3881–5

On the origin of induced pancreatic islet tumors: a radioautographic study. Michels JE, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):218–24

Nonfunctioning malignant neuroendocrine tumors of the pancreas. Eckhauser FE, et al. **Surgery** 1986 Dec; 100(6):978–88

[Morphologic and functional study of a human insulin-secreting cell line] Thivolet C, et al. **C R Acad Sci [III]** 1986;303(10):381–6 (Eng. Abstr.) **(Fre)**

[Endocrine pancreas tumor as a cause of exocrine pancreas insufficiency: problems of immunologic tumor diagnosis and classification] Willemer S, et al. **Z Gastroenterol** 1987 May;25(5):279–86 (Eng. Abstr.) **(Ger)**

[Papillary adenocarcinoma of the thyroid followed by manifestation of multiple endocrine neoplasia (MEN) type I: a retrospective study of patient's data in the past 11 years and histological studies of the thyroid, parathyroid, and pancreatic islet] Aoki N, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Dec 20;21(10):2384–93 (Eng. Abstr.) **(Jpn)**

[Combined gastrinoma of the duodenum and glucagonoma of the pancreas] Pruglo IuV, et al. **Arkh Patol** 1987; 49(2):65–70 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Voltage-activated Na+ currents and their suppression by phorbol ester in clonal insulin-producing RINm5F cells. Rorsman P, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):C912–9

A bioartificial pancreas prevents chronic complications of diabetes in rats. Altman JJ, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):145–7

Metabolic effects and secretory properties of a radiation-induced transplantable rat insulinoma. Flatt PR, et al. **Comp Biochem Physiol [A]** 1987;87(1):175–81

Metabolic effects of radiation induced rat insulinoma at pancreatic, hepatic and subscapular transplantation sites. Flatt PR, et al. **Comp Biochem Physiol [A]** 1986;85(1):183–6

Inhibition of a calcium-activated, non-selective cation channel, in a rat insulinoma cell line, by adenine derivatives. Sturgess NC, et al. **FEBS Lett** 1986 Nov 24;208(2):397–400

Defective diurnal changes of food intake, plasma glucose and insulin in rats with a transplantable islet cell tumour. Flatt PR, et al. **Horm Res** 1987;27(1):47–52

Potassium-selective ion channels in a transformed insulin-secreting cell line. Light DB, et al. **J Membr Biol** 1987;95(1):63–72

Follow-up of a patient with somatostatinoma [letter] Krejs GJ, et al. **N Engl J Med** 1986 Nov 13;315(20):1295

RADIOGRAPHY

Neglected radiologic signs of the glucagonoma syndrome. Lax E, et al. **Diagn Imag Clin Med** 1986;55(6):321–6

Pancreas islet cell carcinoma with complete fatty replacement: CT characteristics. Cohen DJ, et al. **J Comput Assist Tomogr** 1986 Nov–Dec;10(6):1050–1

[Glucagonoma and an associated dermatological syndrome] Mespreuve M, et al. **J Belge Radiol** 1986;69(5):359–62 (Eng. Abstr.) **(Dut)**

RADIONUCLIDE IMAGING

Uptake of 99mTc-methylene diphosphonate by pancreatic insulinoma. Price J, et al. **AJR** 1987 Jul;149(1):69–70

RADIOTHERAPY

Radiotherapy in the management of pancreatic islet cell tumors. Torrisi JR, et al. **Cancer** 1987 Sep 15;60(6):1226–31

SECONDARY

Forced diuresis to reduce nephrotoxicity of streptozotocin in the treatment of advanced metastatic insulinoma. Tobin MV, et al. **Br Med J [Clin Res]** 1987 May 2;294(6580):1128

[A 42-year-old patient with a metastasizing insulinoma] Sedlmayr P, et al. **Wien Med Wochenschr** 1987 Jun 30; 137(12):275–7 (Eng. Abstr.) **(Ger)**

SECRETION

Reduction of pituitary size by the somatostatin analogue SMS 201–995 in a patient with an islet cell tumour secreting growth hormone releasing factor. Wilson DM, et al. **Acta Endocrinol (Copenh)** 1986 Sep;113(1):23–8

Multiple endocrine neoplasia, type I, with pancreatic cholera. Namihira Y, et al. **Am J Gastroenterol** 1987 Aug; 82(8):794–7

Pancreatic islet-cell neoplasia, with secretion of a parathormone-like substance and hypercalcemia. Vair DB, et al. **Can J Surg** 1987 Mar;30(2):108–10

Metastatic islet cell tumor with ACTH, gastrin, and glucagon secretion. Clinical and pathologic studies with multiple therapies. Lokich J, et al. **Cancer** 1987 Jun 15;59(12):2053–8

Reversal of diabetes by syngeneic transplantation of a radiation-induced rat insulinoma. Flatt PR, et al. **Diabetes Res Clin Pract** 1987 Mar–Apr;3(2):63–9

Glucose induces insulin release and a rise in cytosolic calcium concentration in a transplantable rat insulinoma. Hoenig M, et al. **Endocrinology** 1986 Dec;119(6):2502–7

Characterization of somatostatin receptors which mediate inhibition of insulin secretion in RINm5F insulinoma cells. Sullivan SJ, et al. **Endocrinology** 1987 Aug;121(2):544–52

ACTH-producing apudoma metastatic to the liver. Long SI. **J Natl Med Assoc** 1987 Jan;79(1):122–3

Vasoactive intestinal peptide producing tumour contains high density of somatostatin receptors [letter] Reubi JC, et al. **Lancet** 1987 Mar 28;1(8535):741–2

Watery diarrhea syndrome caused by multihormonal malignant pancreatic islet cell tumor secreting somatostatin, vasoactive intestinal peptide, serotonin, and prostaglandin E—a clinicopathological, biochemical, immunohistochemical, and ultrastructural study. Chen YF, et al. **Pancreas** 1986;1(1):80–9

[A case of alpha fetoprotein-producing nonfunctioning islet cell carcinoma] Kato I, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Dec;83(12):2630–4 **(Jpn)**

SURGERY

Induction of the glucokinase-glucose sensor in pancreatic islets of insulinoma-bearing rats following tumor removal. Bedoya FJ, et al. **Adv Exp Med Biol** 1986;211:447–57

Insulinoma and gastrinoma in Wermer's disease (MEN I). Sardi A, et al. **Arch Surg** 1987 Jul;122(7):835–6

Insulinoma—a review of six cases. Kapur MM, et al. **Indian J Cancer** 1985 Dec;22(4):303–7

Resection of a vipoma of the pancreas in a 15-year-old girl. Brenner RW, et al. **J Pediatr Surg** 1986 Nov;21(11):983–5

Perioperative use of long-acting somatostatin analog (SMS 201–995) in patients with endocrine tumors of the gastroenteropancreatic axis. Tsai ST, et al. **Surgery** 1986 Oct;100(4):788–95

A case of multiple endocrine adenomatosis type 1. Kobayashi H, et al. **Zentralbl Neurochir** 1986;47(3):207–10

[Experience in the diagnosis and surgical treatment of 110 cases of insulinoma] Zeng XJ, et al. **Chung Hua Wai Ko Tsa Chih** 1987 Mar;25(3):129–32, 188 (Eng. Abstr.) **(Chi)**

[Anesthesia for surgery of insulinoma] Steib A, et al. **Ann Fr Anesth Reanim** 1986;5(6):608–11 (Eng. Abstr.) **(Fre)**

[Insulinomas and rare endocrine tumors] Rothmund M, et al. **Chirurg** 1986 Sep;57(9):541–51 **(Ger)**

[Islet cell carcinoma] Lörincz I, et al. **Orv Hetil** 1987 Aug 2;128(31):1623–6 (Eng. Abstr.) **(Hun)**

[A case of insulinoma who underwent spleen preserving distal pancreatectomy] Katsumi M, et al. **Nippon Geka Hokan** 1987 Mar 1;56(2):212–6 (Eng. Abstr.) **(Jpn)**

[A case report of malignant glucagonoma with a profile of immunoreactive glucagon before and after the operation] Ohtsuka K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct;83(10):2223–6 **(Jpn)**

[Insulin-secreting pancreatic islet cell tumor (insulinoma) treated with diltiazem and surgery] Gasińska T, et al. **Wiad Lek** 1986 Nov 1;39(21):1503–6 (Eng. Abstr.) **(Pol)**

[Non-functioning pancreatic islet cell tumor treated by total pancreatectomy (letter)] Pera M, et al. **Rev Clin Esp** 1987 Feb;180(3):177–8 **(Spa)**

THERAPY

Glucagonoma syndrome. Rapid response following arterial embolization of glucagonoma metastatic to the liver. Assaad SN, et al. **Am J Med** 1987 Mar;82(3):533–5

Treatment of malignant endocrine pancreatic tumours with human leucocyte interferon [letter] Anderson JV, et al. **Lancet** 1987 Jan 10;1(8524):97

Pancreatic islet cell tumors [letter] Shetty MR. **Surgery** 1987 Mar;101(3):380

[Therapy of vipoma] Fried M, et al. **Dtsch Med Wochenschr** 1986 Nov 14;111(46):1768–9 (18 ref.) **(Ger)**

ULTRASTRUCTURE

Calcitonin-producing insulinoma. An immunohistochemical and electron microscopic study. Ooi A, et al. **Acta Pathol Jpn** 1986 Dec;36(12):1897–903

VETERINARY

Final comments on amended insulin-glucose ratio [letter] **J Am Vet Med Assoc** 1986 Aug 15;189(4):408–9

Insulinoma in a ferret. Luttgen PJ, et al. **J Am Vet Med Assoc** 1986 Oct 15;189(8):920–1

Immunocytochemistry of normal pancreatic islets and spontaneous islet cell tumors in dogs. Hawkins KL, et al. **Vet Pathol** 1987 Mar;24(2):170–9

Hypoglycaemia due to a functional pancreatic islet cell tumour (insulinoma) in a ferret (Mustela putorius furo). Lumeij JT, et al. **Vet Rec** 1987 Feb 7;120(6):129–30

ISLET CELL TUMOR, ULCEROGENIC see **ZOLLINGER-ELLISON SYNDROME**

ISOAMYLASE see under **GLYCOSIDE HYDROLASES**

ISOANTIBODIES

see related
BLOOD GROUPS

Induction of "innocent bystander" cytotoxicity in nonimmune mice by adoptive transfer of L3T4+ Lyt-1+2- mammary tumor immune T-cells. Paul RD, et al. **Cancer Res** 1987 Feb 15;47(4):1105–10

Gene deletions correlate with the development of alloantibodies in von Willebrand disease. Shelton-Inloes BB, et al. **J Clin Invest** 1987 May;79(5):1439–65

Glomerulonephritis induced by monoclonal anti-Thy 1.1 antibodies. A sequential histological and ultrastructural study in the rat. Bagchus WM, et al. **Lab Invest** 1986 Dec; 55(6):680–7

Thy-1-mediated T-cell activation requires co-expression of CD3/Ti complex. Gunter KC, et al. **Nature** 1987 Apr 2–8; 326(6112):505–7

Effect of beta-propiolactone on human red cell antigens and antibodies [letter] Kalish RI, et al. **Transfusion** 1987 Mar–Apr;27(2):214–5

[Alloimmune neonatal neutropenia in homozygotic female twins] Boutté P, et al. **Presse Med** 1986 Nov 8; 15(39):1965–6 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Rhesus immune globulin therapy following mismatched blood transfusion in a neonate. Etches PC, et al. **Acta Paediatr Scand** 1987 May;76(3):528–9

The antileukemic efficacy of an immunotoxin composed of a monoclonal anti-Thy-1 antibody disulfide linked to the ribosome-inactivating protein gelonin. Scott CF Jr, et al. **Cancer Immunol Immunother** 1987;25(1):31–40

Monoclonal anti-I-A antibody reverses chronic paralysis and demyelination in Theiler's virus-infected mice: critical importance of timing of treatment. Friedmann A, et al. **J Virol** 1987 Mar;61(3):898–903

Induction of suppressor T cells by intravenous administration of monoclonal anti-I-A antibody. Aoki I, et al. **Transplantation** 1987 Sep;44(3):421–5

Release of platelet-activating factor from rabbit heart perfused in vitro by sera with transplantation alloantibodies. Camussi G, et al. **Transplantation** 1987 Jul;44(1):113–8

ANALYSIS

Prolonged neonatal alloimmune thrombocytopenic purpura associated with anti-Bak(a). Two cases in siblings

[published erratum appears in Am J Perinatol 1987 Apr;4(2):177] Miller DT, et al. **Am J Perinatol** 1987 Jan; 4(1):55–8

Identification of class II HLA alloantibodies in placenta-eluted gamma globulins used for treating rheumatoid arthritis. Moynier M, et al. **Arthritis Rheum** 1987 Apr;30(4):375–81

The effect of naturally occurring Rh antibodies on the survival of serologically incompatible red cells. Contreras M, et al. **Br J Haematol** 1987 Apr;65(4):475–8

A microplate ELISA for the detection of platelet alloantibodies: comparison with the platelet immunofluorescence test. Sintnicolaas K, et al. **Br J Haematol** 1987 Jul;66(3):363–7

Blood group antibody screening tests during pregnancy. Bowell PJ, et al. **Br J Obstet Gynaecol** 1986 Oct; 93(10):1038–43

Red cell antibodies [editorial] Palmer A. **Br Med J [Clin Res]** 1987 Jun 20;294(6587):1568–9

Anti-platelet opsonic activity in alloimmune and autoimmune thrombocytopenia. Lucas GF, et al. **Clin Lab Haematol** 1987;9(1):59–66

The evaluation of maternal anti-D concentrations during pregnancy. Filbey D, et al. **Early Hum Dev** 1987 Jan; 15(1):1–9

Maternal humoral immune response to incompatibility at multiple minor histocompatibility loci in mice. Heyner S, et al. **J Reprod Immunol** 1987 Jan;10(1):43–54

Prenatal screening for irregular blood group antibodies [editorial] **Lancet** 1986 Dec 13;2(8520):1369–70

Massive acute hemolysis secondary to Clostridium perfringens sepsis in a recently transfused oncology patient with multiple alloantibodies. Felix CA, et al. **Med Pediatr Oncol** 1987;15(1):42–4

Incidence of alloantibodies and immune complexes in bronchial secretions of lung cancer patients. Górny MK, et al. **Neoplasma** 1987;34(2):189–98

Feline red blood cell groups detected by naturally occurring isoantibody. Ejiima H, et al. **Nippon Juigaku Zasshi** 1986 Oct;48(5):971–6

The resolution of platelet serologic problems using Western blotting. Herman JH, et al. **Tissue Antigens** 1986 Nov; 28(5):257–68

Computerized selection of donors for inclusion in red cell antibody panels. AuBuchon JP, et al. **Transfusion** 1987 Jan–Feb;27(1):69–74

Multiple transfusion fail to provoke antibodies against blood cell antigens in human infants. Floss AM, et al. **Transfusion** 1986 Sep–Oct;26(5):419–22

Comparison of a commercial hexadimethrine bromide method and low-ionic-strength solution for antibody detection with special reference to anti-K. Letendre PL, et al. **Transfusion** 1987 Mar–Apr;27(2):138–41

Red cell survival studies in patients with alloanti-I [letter] Ramsey G. **Transfusion** 1986 Sep–Oct;26(5):487–8

Changes in anti-HLA antibody levels associated with immunosuppression. Gonwa TA, et al. **Transplant Proc** 1986 Dec;18(6):1865–7

Pretransplant blood transfusions in patients with previous pregnancies. Scornik JC, et al. **Transplantation** 1987 Mar; 43(3):449–50

Blocking antibodies and T cell subsets in long-term survivors of renal allografts. Shohat B, et al. **Transplantation** 1987 Jul;44(1):34–7

Standardization of bromelin for use in routine one-stage antibody screening. Mazda T, et al. **Vox Sang** 1987; 52(1–2):63–6

[The Irregular Agglutinin Test and transfusion safety] Favre JP, et al. **Cah Anesthesiol** 1987 Jan–Feb;35(1):59–61 **(Fre)**

[Intracerebral hemorrhage at 2 different times in neonatal alloimmune thrombocytopenia] Mühler E, et al. **Monatsschr Kinderheilkd** 1987 Jun;135(6):336–9 (Eng. Abstr.) **(Ger)**

[Optical immunofluorescence detection of alloantibodies as a supplement to classical crossmatching within the scope of organ transplantation] Lanzer G, et al. **Wien Med Wochenschr** 1986 Nov 30;136(21–22):554–6 (Eng. Abstr.) **(Ger)**

[Alloantibody to proteoglycan induced by osteochondral homotransplantation in rabbits] Watanabe S. **Nippon Seikeigeka Gakkai Zasshi** 1987 Feb;61(2):233–43 (Eng. Abstr.) **(Jpn)**

[Immunocytochemical diagnosis of megakaryoblastic leukemia using secondary antibody conjugated with colloidal gold] Nakagawa KI, et al. **Rinsho Byori** 1987 Jan; 35(1):67–72 **(Jpn)**

[Methods for detecting erythrocyte isoantigens and isoantibodies by using positively charged polymers] Sakharov RS, et al. **Lab Delo** 1986;(11):666–70 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Clinical survey of antibodies against red blood cells in horses after homologous blood transfusion. Wong PL, et al. **Am J Vet Res** 1986 Dec;47(12):2566–71

Induction of H-2-specific antibodies by injection of syngeneic Sendai virus-coated cells. Kievits F, et al. **Eur J Immunol** 1987 Jan;17(1):27–35

Maternal alloantibody responses during early pregnancy detected by a cellular enzyme-linked immunospecific assay. Cunningham C, et al. **Hum Immunol** 1987 May;19(1):7–16

Human lymphoblastoid cell lines secreting antibodies with restricted HLA specificity. Pistillo MP, et al. **Immunogenetics** 1987;25(3):145–51

H-2-specific antibodies induced by injection of syngeneic leukemia cells. Schmidt W. **Immunogenetics** 1987; 25(4):215–21

Alloimmunization following platelet transfusions in patients with acute nonlymphocytic leukemia. Nozaki H, et al. **Tokai J Exp Clin Med** 1986 Aug;11(3):201–4

Posttransplant antidonor lymphocytotoxic antibody production in relation to graft outcome. Martin S, et al. **Transplantation** 1987 Jul;44(1):50–3

Alloimmunization to red cell antigens in thalassemia: comparative study of usual versus better-match transfusion programmes. Michail-Merianou V, et al. **Vox Sang** 1987; 52(1–2):95–8

CLASSIFICATION

Sensitive methods for determining subclasses of IgG anti-A and anti-B in sera of blood-group-O women with a blood-group-A or -B child. Brouwers HA, et al. **Br J Haematol** 1987 Jun;66(2):267–70

IgG subclass distribution of anti-Rh, anti-Kell and anti-Duffy antibodies measured by sensitive haemagglutination assays. Michaelsen TE, et al. **Clin Exp Immunol** 1987 Mar;67(3):637–45

Immunoglobulin class and specificity of antibodies causing positive T cell crossmatches. Relationship to renal transplant outcome. Chapman JR, et al. **Transplantation** 1986 Dec;42(6):608–13

IMMUNOLOGY

Predictive value of enzyme-linked immunoassay platelet crossmatching for transfusion of platelet concentrates to alloimmunized recipients. Brubaker DB, et al. **Am J Hematol** 1987 Apr;24(4):375–87

Effect of IgG anti-Rho(D) in adult patients with chronic autoimmune thrombocytopenia [letter] Smith WC. **Am J Hematol** 1987 Apr;24(4):461, 463–4

Pulmonary dysfunction during one-lung ventilation caused by HLA-specific antibodies against leukocytes. De Wolf AM, et al. **Anesth Analg** 1987 May;66(5):463–7

Murine/bovine hybridomas producing monoclonal alloantibodies to bovine red cell antigens. Tucker EM, et al. **Anim Genet** 1987;18(1):29–39

Spontaneous formation of an anti-S alloantibody in association with mixed connective tissue disease. Pepkowitz SH, et al. **Ann Clin Lab Sci** 1987 Jan–Feb;17(1):60–2

Evaluation of human blood monocytes in erythrophagocytosis assay with anti-Rh antibodies. Brojer E, et al. **Arch Immunol Ther Exp (Warsz)** 1986; 34(5–6):553–60

Targeting of anti-Thy 1.1 monoclonal antibody conjugated liposomes in Thy 1.1 mice after intravenous administration. Debs RJ, et al. **Biochim Biophys Acta** 1987 Jul 23; 901(2):183–90

Antiidiotypic IgG crossreactive with Rh alloantibodies in red cell autoimmunity. Masouredis SP, et al. **Blood** 1987 Sep;70(3):710–5

Rh blood group-specific antibodies in immune hemolytic anemia induced by nomifensine. Salama A, et al. **Blood** 1986 Dec;68(6):1285–8

Alloantibody-induced platelet serotonin release is blocked by antibody to the platelet PLA1 antigen. Duncan JR, et al. **Br J Haematol** 1986 Oct;64(2):331–8

The significance of anti-c alloimmunization in pregnancy. Bowell PJ, et al. **Br J Obstet Gynaecol** 1986 Oct; 93(10):1044–8

Why women are not receiving anti-Rh prophylaxis [letter] Contreras M, et al. **Br Med J [Clin Res]** 1986 Nov 22; 293(6558):1373

Antibody bipolar bridging: isotype-dependent signals given to guinea pig alveolar macrophages by anti-MHC alloantibodies. Benichou G, et al. **Cell Immunol** 1987 May; 106(2):304–17

Interactions between liver allografts and lymphocytotoxic alloantibodies in inbred rats. Houssin D, et al. **Hepatology** 1986 Sep–Oct;6(5):994–8

A novel HLA class II alloantigen detected by an alloantiserum TK2. Matsuki K, et al. **Hum Immunol** 1987 Mar;18(3):247–56

Alloimmunization against the platelet specific Zwa antigen associated with HLA-DRw52 and/or DRw6? [letter] Mueller-Eckhardt G, et al. **Hum Immunol** 1987 Feb; 18(2):181–3

HLA-A2 epitopes recognized by alloantibodies from broadly sensitized patients. Scornik JC. **Hum Immunol** 1987 Apr; 18(4):277–85

Modulation in vivo of Lyt 2 antigen expression on T cells by anti-Lyt 2 antibody: effects on Con A-induced unresponsiveness. MacDonald TT, et al. **Immunology** 1986 Oct;59(2):181–6

Polymorphism of lymphocyte function-associated antigen-1 demonstrated by a lupus patient's alloantiserum. Pischel KD, et al. **J Clin Invest** 1987 Jun;79(6):1607–14

Transfer of antibodies directed to paternal major histocompatibility class I antigens from pregnant mice to the developing fetus. Adeniyi-Jones SC, et al. **J Immunol** 1987 Mar 1;138(5):1408–15

The effects of an anti-I-Ab antibody on murine host resistance to Listeria monocytogenes. Kurlander RJ, et al. **J Immunol** 1987 Apr 15;138(8):2679–86

Effects of monoclonal anti-H-2Ld and anti-H-2Dd alloantibodies in the immunological enhancement of skin grafts and neonatal heart grafts in the mouse. Lems SP, et al. **J Immunol** 1987 Apr 1;138(7):2082–7

Assays using red cell-labelled antibodies. Coombs RR, et al. **J Immunol Methods** 1987 Jul 16;101(1):1–14 (90 ref.)

Antibody isotype produced by pregnant mice immunised with fetal allogeneic lymphocytes is mainly IgG1. Chen RE, et al. **J Reprod Immunol** 1987 Mar;10(3):189–99

Suppression of overt diabetes in NOD mice by anti-thymocyte serum or anti-Thy 1, 2 antibody. Harada M, et al. **Jikken Dobutsu** 1986 Oct;35(4):501–4

Adjuvant-free IgG responses induced with antigen coupled to antibodies against class II MHC. Carayanniotis G, et al. **Nature** 1987 May 7–13;327(6117):59–61

Incidence and recurrence rate of abruptio placentae in Sweden [letter] Grossman RA, et al. **Obstet Gynecol** 1987 Feb;69(2):280–1

Destructive and protective effects of antibody on transplants in humans: practical and theoretical considerations. Baldwin WM 3d, et al. **Prog Clin Biol Res** 1986;224:41–67 (86 ref.)

An alloantibody against a class II antigen subtypic to HLA-DR4 and strongly associated with the cellularly defined Dw14 determinant. Jakobsen BK, et al. **Tissue Antigens** 1986 Nov;28(5):313–7

Case report, anti-Jra [letter] Bacon J, et al. **Transfusion** 1986 Nov–Dec;26(6):543–4

Intravenous immune globulin for patients alloimmunized to random donor platelet transfusion. Lee EJ, et al. **Transfusion** 1987 May–Jun;27(3):245–7

Red cell alloantibodies produced after bone marrow transplantation. Ting A, et al. **Transfusion** 1987 Mar–Apr; 27(2):145–7

Effect of Lyt-2 mAb on murine skin graft survivals. Ichikawa T, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):579–81

Prolongation of murine cardiac allografts following treatment of graft recipients with monoclonal anti-L3T4 and Ly-2 antibodies. Mottram PL, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 1):582–5

Polyclonal activation of rat T lymphocytes by RT6 alloantisera. Wonigeit K, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 1):296–9

Correlation between high-molecular-weight Fc gamma-receptor-blocking factors in serum and renal allograft survival. Forwell MA, et al. **Transplantation** 1987 Aug;44(2):227–33

Immunological competence and host-specific tolerance of antibody-facilitated bone marrow chimeras. McCarthy SA, et al. **Transplantation** 1987 Jul;44(1):97–105

Antiidiotypic antibodies to human major histocompatibility complex class I and II antibodies in hepatic transplantation and their role in allograft survival. Mohanakumar T, et al. **Transplantation** 1987 Jul;44(1):54–8

Identification of the IA hybrid molecule affecting anti-Thy-1 responsiveness. Quackenbush LJ, et al. **Transplantation** 1987 Jun;43(6):925–8

Preoperative preparation of high-risk, specifically hyperimmunized canine renal allograft recipients with total-lymphoid irradiation and cyclosporine. Rapaport FT, et al. **Transplantation** 1987 Aug;44(2):185–95

Comparison of monoclonal antisera with conventional antisera for Lewis blood group antigen determination. Cowles JW, et al. **Vox Sang** 1987;52(1–2):83–4

Allo-anti-Chido in a Ch-positive patient. Giles CM, et al. **Vox Sang** 1987;52(1–2):129–33

Reduced survival of isotope-labelled Rh(D)-negative donor red cells in a patient with anti-LWab. Herron R, et al. **Vox Sang** 1986;51(4):314–7

Immune haemolysis in a renal transplant recipient due to antibodies with anti-c specificity. Herron R, et al. **Vox Sang** 1986;51(3):226–7

Further investigation of nonspecific biological substance in anti-Rh(D) preparations. Petri IB, et al. **Vox Sang** 1986; 51(4):287–91

Lymphocyte killer activity in individuals sensitized against antigen-D assessed by direct ADCC lysis of O,Rh-positive erythrocytes. Sándor J, et al. **Vox Sang** 1986;51(4):310–3

Gm allotyping to determine the origin of red cell antibodies in recipients of solid organ transplants. Swanson JL, et al. **Vox Sang** 1987;52(1–2):75–8

Finnish En(a-) propositus with anti-EnaFS and anti-EnaFR: in vitro and in vivo characteristics. Walker PS, et al. **Vox Sang** 1987;52(1–2):103–6

[What can be done for mother and infant in the case of irregular antibodies in pregnant Jehovah's witnesses?] van Roosmalen J, et al. **Ned Tijdschr Geneeskd** 1987 May 23; 131(21):889–91 **(Dut)**

[Immunoadsorption of anti-B antibodies as preparation for an ABO-incompatible kidney transplantation] Aeschbacher B, et al. **Schweiz Med Wochenschr** 1987 May 9; 117(19):716–22 (Eng. Abstr.) **(Ger)**

[Transfusional hemolytic reactions of an alloantibody not determinable by standard methods of compatibility] Talarico E, et al. **Acta Biomed Ateneo Parmense** 1986; 57(3–4):73–7 (Eng. Abstr.) **(Ita)**

[A case of hemolytic disease of the newborn due to anti-Dib antibody] Goto M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Feb;39(2):323–6 **(Jpn)**

[Analysis of antigens against anti-platelet antibody detected

in patients with EDTA-dependent pseudothrombocytopenia] Saigo K, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1305-9 (Eng. Abstr.) **(Jpn)**

[The role of factors influencing the hemagglutination reaction in the preparation of highly active typing anti-erythrocyte sera and detection of alloantibodies] Klimova KN, et al. **Gematol Transfuziol** 1986 Dec;31(12):40-6 (79 ref.) **(Rus)**

ISOLATION & PURIFICATION

Anti-MHC immunity detected prior to intentional alloimmunization. IV. Natural monoclonal H-2-specific antibodies. Cerny-Provaznik R, et al. **J Immunogenet** 1986 Apr-Jun;13(2-3):287-97

Is serum the optimal source for HLA antibodies? Gardell D, et al. **Vox Sang** 1987;52(1-2):89-94

[An improved method of antibody elution from erythrocytes] Ceizelová L, et al. **Vnitr Lek** 1986 Aug;32(8):762-7 (Eng. Abstr.) **(Slo)**

PHARMACODYNAMICS

Effects of thymocytes on hemopoietic progenitor cells: studies employing anti Thy 1 and anti Lyt antibodies. Ohkubo T, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Sep; 49(6):1291-6

THERAPEUTIC USE

Therapy of autoimmune diseases with antibody to immune response gene products or to T-cell surface markers. Steinman L, et al. **Ann NY Acad Sci** 1986;475:274-84

Experimental radioimmunotherapy of murine lymphoma with 131I-labeled anti-T-cell antibodies. Badger CC, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6223-8

Effect of chemical deglycosylation of ricin A chain on the in vivo fate and cytotoxic activity of an immunotoxin composed of ricin A chain and anti-Thy 1.1 antibody. Blakey DC, et al. **Cancer Res** 1987 Feb 15;47(4):947-52

Haplotype-specific suppression of experimental allergic encephalomyelitis with anti-IA antibodies. Sriram S, et al. **J Immunol** 1987 Sep 1;139(5):1485-9

Efficacy of astatine-211-labeled monoclonal antibody in treatment of murine T-cell lymphoma. Harrison A, et al. **NCI Monogr** 1987;(3):157-8

ISOANTIGENS

see related

BLOOD GROUPS

Joint report of the Fourth International Workshop on Lymphocyte Alloantigens of the Horse, Lexington, Kentucky, 12-22 October 1985. **Anim Genet** 1987; 18(1):81-93

Joint report of the Third International Workshop on Lymphocyte Alloantigens of the Horse, Kennett Square, Pennsylvania, 25-27 April 1984. Antczak DF, et al. **Anim Genet** 1986;17(4):363-73

Effect of beta-propiolactone on human red cell antigens and antibodies [letter] Kalish RI, et al. **Transfusion** 1987 Mar-Apr;27(2):214-5

Alloantigenic systems in the rat. Sixth International Workshop. Rotterdam, The Netherlands, July 29 to August 1, 1986. **Transplant Proc** 1987 Jun;19(3):2979-3227

ADMINISTRATION & DOSAGE

Insulin secretion induced by allogeneic lymphocytes in genetically diabetic mice C57BL/KsJ mdb. García JB, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(3):277-87

Increase in insulin secretion induced by plasma from mice injected with allogeneic lymphocytes. García JB, et al. **Horm Metab Res** 1987 Jul;19(7):290-4

Tolerance induction of alloreactivity by portal venous inoculation with allogeneic cells followed by the injection of cyclophosphamide. I. Specific suppression of alloreactive cytotoxic and delayed-type hypersensitivity responses as well as allograft rejection. Qian JH, et al. **Transplantation** 1987 Apr;43(4):538-43

ANALYSIS

Simple immunofluorescent method for identification of blood group in human tissues. II. Detection of A and B tissue isoantigens in paraffin sections. Bayer A, et al. **Acta Histochem (Jena)** 1987;81(2):237-8

Quantitative analysis of tissue distribution of Ly10-like murine alloantigen(s) with antisera and monoclonal antibodies. Kuśnierczyk P, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(4):409-19

Inhibition of early events in the human T-lymphocyte response to mitogens and alloantigens by hydrogen peroxide. Freed BM, et al. **Arch Surg** 1987 Jan; 122(1):99-104

The blood group U antigen is not located on glycophorin B. Ballas SK, et al. **Biochim Biophys Acta** 1986 Nov 19; 884(2):337-43

High-frequency antigens of human erythrocyte membrane sialoglycoproteins, IV. Molecular properties of the U antigen. Dahr W, et al. **Biol Chem Hoppe Seyler** 1987 Jun; 368(6):659-67

The platelet alloantigen Zwa or PlA1 is expressed by cultured endothelial cells. Leeksma OC, et al. **Br J Haematol** 1987 Jul;66(3):369-73

Characterization of platelet-specific alloantigens by immunoblotting: localization of Zw and Bak antigens. van der Schoot CE, et al. **Br J Haematol** 1986 Dec;64(4):715-23

Liver-specific F antigen in the serum of patients with liver diseases and the detection of early stage hepatocellular carcinoma. Mori Y, et al. **Clin Chim Acta** 1987 Apr 30; 164(2):127-37

Studies in cobra venom factor treated rats of antibody coated erythrocyte clearance by the spleen: differential influence of red blood cell antigen number on the inhibitory effects of immune complexes on Fc dependent clearance. Yousaf N, et al. **Clin Exp Immunol** 1986 Dec;66(3):654-60

The phylogenetic distribution of the liver protein F antigen. Oliveira DB, et al. **Comp Biochem Physiol [B]** 1987; 87(1):87-90

Cardiac transplantation: immune mechanisms and alloantigens involved in graft rejection. Cramer DV. **CRC Crit Rev Immunol** 1987;7(1):1-30 (185 ref.)

Recognition of alloantigens and induction of experimental allergic encephalomyelitis by a murine encephalitogenic T cell clone. Sakai K, et al. **Eur J Immunol** 1987 Jul; 17(7):955-60

Two alloantigens on human monocytes: a diallelic system? Jager MJ, et al. **Hum Immunol** 1987 Jul;19(3):215-24

Qa alloantigen expression on functional T lymphocytes from spleen and thymus. Rabinowitz R, et al. **Immunogenetics** 1986;24(6):391-401

Biochemical characterization of the T-cell alloantigen RT-6.2. Thiele HG, et al. **Immunology** 1986 Oct; 59(2):195-201

Expression of Ly-6.2 and Thy-1 antigens on NIH 3T3 cells suppressed after transformation with activated human ras-oncogenes. Ivanyi D, et al. **Int J Cancer** 1986 Oct 15; 38(4):575-80

A monoclonal surface immunoglobulin (IgM/D-L) with specificity for surface antigen of ox red blood cells in a patient with leukemic lymphosarcoma. Shimizu S, et al. **J Clin Immunol** 1986 Sep;6(5):397-401

Release of the rat T cell alloantigen RT-6.2 from cell membranes by phosphatidylinositol-specific phospholipase C. Koch F, et al. **J Exp Med** 1986 Oct 1;164(4):1338-43

T-cryptantigen exposure in neonatal necrotizing enterocolitis. Klein RL, et al. **J Pediatr Surg** 1986 Dec; 21(12):1155-8

Genetic monitoring of inbred strains of mice using monoclonal antibodies to major histocompatibility haplotypes and lymphocyte alloantigens. Fernandez JL, et al. **Lab Anim** 1986 Oct;20(4):293-7

Non-secretion of ABO blood group antigens predisposing to infection by Haemophilus influenzae [letter] Blackwell CC, et al. **Lancet** 1986 Sep 20;2(8508):687

Cellular location of 'liver-specific' antigen F. Forster M, et al. **Scand J Immunol** 1986 Dec;24(6):745-50

ABH isoantigens in bladder carcinoma patients grouped according to DNA changes over time. Borgström E, et al. **Scand J Urol Nephrol** 1987;21(2):125-30

Emm. A red cell antigen of very high frequency. Daniels GL, et al. **Transfusion** 1987 Jul-Aug;27(4):319-21

HLA antigens on red cells [letter] Pamphilon DH. **Transfusion** 1987 Mar-Apr;27(2):214

Frequency of PLA1 in blacks. Ramsey G, et al. **Transfusion** 1986 Nov-Dec;26(6):531-2

Early disappearance of donor-specific immunofluorescence in spontaneously tolerated liver allografts in inbred rats. Baudot P, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):200-4

Analysis of alloantigen-specific suppressor T cells. Aoki I, et al. **Transplantation** 1987 Jun;43(6):888-92

RASM, a "new" low-frequency blood group antigen.Brown A, et al. **Vox Sang** 1986;51(2):133-5

[Immunohistological observation of blood group-related antigen A in lung adenocarcinomas using monoclonal antibodies] Fukushima K, et al. **Gan No Rinsho** 1987 Feb; 33(2):167-71 (Eng. Abstr.) **(Jpn)**

[Studies on multiple mucosal biopsy in patients with bladder cancer. 4. Evaluation of Thomsen-Friedenreich antigen in multiple mucosal biopsy and transitional cell carcinoma of the bladder] Igawa M. **Hinyokika Kiyo** 1986 Nov; 32(11):1663-76 (Eng. Abstr.) **(Jpn)**

[Isoantigens ABH in bladder tumors as an indicator of malignant potential. Criteria for the loss of BGA based on the staining pattern by the PAP method and its correlation with CEA and fibronectin] Nasu Y. **Nippon Hinyokika Gakkai Zasshi** 1986 Jun;77(6):977-87 (Eng. Abstr.) **(Jpn)**

[Isoantigens ABH in bladder tumors as an indicator of malignant potential. IV. Correlation with Thomsen-Friedenreich antigen and CEA] Nasu Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep;77(9):1511-8 (Eng. Abstr.) **(Jpn)**

[Differentiation of group ABSe semen from mixtures of group ASe and BSe semens by enzyme-linked immunosorbent assay (ELISA)] Sato M, et al. **Nippon Hoigaku Zasshi** 1986 Jun;40(3):293-8 (Eng. Abstr.) **(Jpn)**

[Characterization of human liver-specific antigen 1 (HLSA1) defined by the murine monoclonal antibody H2] Saito H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Mar; 84(3):675-83 (Eng. Abstr.) **(Jpn)**

[Analysis of antigens against anti-platelet antibody detected in patients with EDTA-dependent pseudothrombocytopenia] Saigo K, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1305-9 (Eng. Abstr.) **(Jpn)**

[Thomsen's antigen in the leukocytes of leukemia patients] Berdinskikh MS, et al. **Biull Eksp Biol Med** 1987 Mar; 103(3):334-6 (Eng. Abstr.) **(Rus)**

[Distribution of rhesus system antigens (Rh-Hr) in the Azerbaijan population] Ragimov AA. **Gematol Transfuziol** 1987 Jan;32(1):36-9 (Eng. Abstr.) **(Rus)**

[Erythrocyte and leukocyte alloantigens of donors immunized with staphylococcal toxoid] Zaĭtseva GA, et al. **Gematol Transfuziol** 1987 Jan;32(1):59-62 **(Rus)**

[Methods for detecting erythrocyte isoantigens and isoantibodies by using positively charged polymers] Sakharov RS, et al. **Lab Delo** 1986;(11):666-70 (Eng. Abstr.) **(Rus)**

[Isoantigenic differentiation by the ABO system of mixed human and livestock blood stains] Burago IuI, et al. **Sud Med Ekspert** 1986 Jul-Sep;29(3):36-7 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Differential expression of class II alloantigens by keratinocytes in disease. Volc-Platzer B, et al. **J Invest Dermatol** 1987 Jul;89(1):64-8

DEFICIENCY

Hematological aspect of Rh deficiency syndrome: a case report and a review of the literature. Nash R, et al. **Am J Hematol** 1987 Mar;24(3):267-75

GENETICS

Genetic linkage between loci for a red cell alloantigen (U) and serum protease inhibitor (Pi) in the horse. Bowling AT. **Anim Genet** 1986;17(3):217-23

Molecular diversity of HLA-DQ. DQ alpha and beta chain isoelectric point differences and their relation to serologically defined HLA-DQ allospecificities. Bontrop RE, et al. **Immunogenetics** 1987;25(5):305-12

Resistance to natural and controlled exposures to Eimeria tenella: genetic variation and alloantigen systems. Martin A, et al. **Poult Sci** 1986 Oct;65(10):1847-52

Murine Ly-6 multigene family is located on chromosome 15. LeClair KP, et al. **Proc Natl Acad Sci USA** 1987 Mar; 84(6):1638-43

Human red cell antigens. IV. The abnormal sialoglycoprotein of Gerbich-negative red cells. Telen MJ, et al. **Transfusion** 1987 Jul-Aug;27(4):309-14

Regulation of alloantigen expression in different tissues. Fabre JW, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):45-9

Recognition and response to alloantigens. Möller E. **Transplant Proc** 1987 Feb;19(1 Pt 1):40-4

Genetics of ABO, H, Lewis, X and related antigens. Oriol R, et al. **Vox Sang** 1986;51(3):161-71 (59 ref.)

[Pregnancy monitoring and labor planning in PLA1-induced neonatal alloimmunothrombocytopenia] Schnaidt M, et al. **Z Geburtshilfe Perinatol** 1986 Jul-Aug;190(4):158-61 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Loss of blood isoantigens in exfoliated cells during the progression of CIN demonstrated by monoclonal antibody staining. Himes TR, et al. **Acta Cytol (Baltimore)** 1986 Sep-Oct;30(5):461-9

Severe acute thrombocytopenia following infusion of plasma containing anti P1A1. Nijjar TS, et al. **Am J Hematol** 1987 Jun;25(2):219-21

Prolonged neonatal alloimmune thrombocytopenic purpura associated with anti-Bak(a). Two cases in siblings [published erratum appears in Am J Perinatol 1987 Apr;4(2):177] Miller DT, et al. **Am J Perinatol** 1987 Jan; 4(1):55-8

Response to isoantigens and mitogens in the cat: effects of cyclosporin A. Gregory CR, et al. **Am J Vet Res** 1987 Jan;48(1):126-30

Monoclonal antibody CC3C195, which detects cancer-associated antigens in serum, binds to the human Lea blood group antigen and to its sialylated derivative. Fukuta S, et al. **Arch Biochem Biophys** 1987 May 15; 255(1):214-6

Prevention of platelet alloimmunization in dogs with systemic cyclosporine and by UV-irradiation or cyclosporine-loading of donor platelets. Slichter SJ, et al. **Blood** 1987 Feb;69(2):414-8

Post-transfusion purpura secondary to passive transfer of anti-P1A1 by blood transfusion. Ballem PJ, et al. **Br J Haematol** 1987 May;66(1):113-4

Alloantibody-induced platelet serotonin release is blocked by antibody to the platelet PLA1 antigen. Duncan JR, et al. **Br J Haematol** 1986 Oct;64(2):331-8

Post-transfusion purpura (PTP) due to anti-Zwb (-PlA2): the significance of IgG3 antibodies in PTP. Taaning E, et al. **Br J Haematol** 1986 Oct;64(2):217-25

Induction and persistence of suppression of contact hypersensitivity against bystander haptens and alloantigens in rats. Prop J, et al. **Cell Immunol** 1986 Apr 15;99(1):85-94

Aliphatic aldehydes inhibit the proliferative response of human peripheral blood lymphocytes to phytohemagglutinin and alloantigens. Tessitore L, et al. **Chem Biol Interact** 1987;62(3):217-26

Human T cell clones can induce in vitro IgE synthesis in normal B cells regardless of alloantigen recognition or

specificity for peculiar antigens. Del Prete G, et al. **Eur J Immunol** 1986 Dec;16(12):1509–14

Use of V beta.8 genes in splenic Lyt–2+ cytotoxic lymphocyte precursors reactive to bm1 or bm14 alloantigen in individual C57BL/6 mice. Reimann J, et al. **Eur J Immunol** 1986 Dec;16(12):1597–602

Immunochemical analysis of a cell transfected with an HLA–DR gene reveals a new alloantigenic specificity within HLA–DRw52. Tosi R, et al. **Eur J Immunol** 1986 Dec;16(12):1603–8

Immunopathology of guinea pig autoimmune enterocolitis induced by alloimmunisation with an intestinal protein. Némirovsky MS, et al. **Gut** 1986 Dec;27(12):1434–42

Alloimmunization against the platelet specific Zwa antigen associated with HLA–DRw52 and/or DRw6? [letter] Mueller–Eckhardt G, et al. **Hum Immunol** 1987 Feb; 18(2):181–3

The detection of human minor alloantigens following restriction determinant implantation. Zier KS, et al. **Hum Immunol** 1987 May;19(1):17–27

Mechanism of action of a Db–specific helper clone and factor in cytotoxic responses to alloantigens. Kwong PC, et al. **Immunology** 1987 Jun;61(2):151–7

Characterization of a Db–specific helper factor required for the induction of cytotoxic responses to alloantigens with the use of monoclonal antibodies specific for the helper factor or the T–cell antigen receptor. Kwong PC, et al. **Immunology** 1987 Jun;61(2):143–50

Inhibition of the induction of alloreactivity with mitoxantrone. Wang BS, et al. **Int J Immunopharmacol** 1986;8(8):967–73

Alloantigen persistence in induction and maintenance of transplantation tolerance. Morecki S, et al. **J Exp Med** 1987 Jun 1;165(6):1468–80

Effect of antioxidants on primary alloantigen–induced T cell activation and proliferation. Chaudhri G, et al. **J Immunol** 1986 Oct 15;137(8):2646–52

Nonresponsiveness to Mlsd in F1 hybrid mice carrying Mlsa and Mlsc genes. Click RE, et al. **J Immunol** 1987 Jul 15; 139(2):321–5

Characterization of dual–reactive H–2Kb–restricted anti–vesicular stomatitus virus and alloreactive cytotoxic T cells. Sheil JM, et al. **J Immunol** 1987 Jun 1; 138(11):3654–60

Antibody isotype produced by pregnant mice immunised with fetal allogeneic lymphocytes is mainly IgG1. Chen RE, et al. **J Reprod Immunol** 1987 Mar;10(3):189–99

Augmentation of lymphoproliferative activity of tumor–bearing BALB/c mice to soluble tumor antigens by surgical manipulation: the possible role of macrophages. Laing CA, et al. **J Surg Oncol** 1987 May;35(1):1–6

Correlation between stable E–rosette formation and induction of alloantigen specific MLR suppressor cells in human mixed lymphocyte culture. Yahata H, et al. **Jpn J Exp Med** 1986 Dec;56(6):257–64

Immunogenetic analysis of tolerance induction in anti–alloantigen delayed type hypersensitivity responses by portal venous pre–inoculation with allogeneic cells. Shimizu J, et al. **Microbiol Immunol** 1987;31(4):367–74

Association of Marek's disease with Ea–B and immune response genes in subline and F2 populations of the Iowa State S1 Leghorn line. Steadham EM, et al. **Poult Sci** 1987 Apr;66(4):571–5

Effect of pentoxifylline on Wrb antigen. Tweedy CJ, et al. **Transfusion** 1987 Jul–Aug;27(4):325–9

Effect of Langerhans' cells on cytotoxic T lymphocyte responses to major and minor alloantigens expressed on heterotopic corneal allografts. Peeler JS, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):316–9

Establishment of an alloantigen–specific human suppressor T cell clone generated from one–way mixed lymphocyte culture. Yahata H, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):540–3

Relative antigen–specific suppression in vitro of alloresponding human leukocytes by cellular delivery of cyclosporine. Christiaansen JE, et al. **Transplantation** 1987 Jul;44(1):119–22

The effect of cyclosporine on humoral and cellular alloreactivity to allogeneic pregnancy in rats. Cunningham C, et al. **Transplantation** 1986 Oct;42(4):400–3

Post–transfusion purpura associated with anti–Baka and anti–PIA2 platelet antibodies and delayed haemolytic transfusion reaction. Chapman JF, et al. **Vox Sang** 1987; 52(4):313–7

The Haakestad antigen is identical with the Hov antigen. Kornstad L, et al. **Vox Sang** 1987;52(1–2):120–2

[Posttransfusion purpura caused by ant–Zw b (P1(A2)] Ovesen H, et al. **Ugeskr Laeger** 1986 Oct 20; 148(43):2769–70 (Eng. Abstr.) **(Dan)**

[Immunization against the ZWa (PLA1) platelet antigen: group at risk, prevention of complications. Apropos of 132 cases] Reznikoff–Etievant MF, et al. **Pathol Biol (Paris)** 1986 Jun;34(6):783–7 (Eng. Abstr.) **(Fre)**

[Intracerebral hemorrhage at 2 different times in neonatal alloimmune thrombocytopenia] Mühler E, et al. **Monatsschr Kinderheilkd** 1987 Jun;135(6):336–9 (Eng. Abstr.) **(Ger)**

[The distribution of ABO–(H) isoantigens in tumors of the bladder] Baranyay F, et al. **Morphol Igazsagugyi Orv Sz** 1987 Apr;27(2):123–7 (Eng. Abstr.) **(Hun)**

[Post–transfusion thrombocytopenic purpura associated with alloimmunization with Zw alpha (PlA1) platelet antigen] Mašlanka K, et al. **Acta Haematol Pol** 1986 Jan–Jun; 17(1–2):44–55 (Eng. Abstr.) **(Pol)**

[Characteristics of placental antigen isosensitization in the mother–fetus system in late pregnancy toxicosis] Fazleeva LK. **Akush Ginekol (Mosk)** 1987 Apr;(4):19–21 **(Rus)**

ISOLATION & PURIFICATION

High frequency antigens of human erythrocyte membrane sialoglycoproteins, III. Studies on the EnaFR, Wrb and Wra antigens. Dahr W, et al. **Biol Chem Hoppe Seyler** 1986 Oct;367(10):1033–45

Purification and characterization of a liver cell membrane specific antigen. Morichika S, et al. **Gastroenterol Jpn** 1986 Oct;21(5):471–8

Analysis of normal human tonsil class II antigen glycosylation by lectin affinity chromatography. Zacheis M, et al. **J Biol Chem** 1986 Dec 25;261(36):17004–10

[Immunologic characteristics of rhesus system antigen RhO (D) isolated from human erythrocytes] Danilova TN, et al. **Gematol Transfuziol** 1987 Jan;32(1):33–6 (Eng. Abstr.) **(Rus)**

ISOBUTRAZINE see **TRIMEPRAZINE**

ISOCARBOXAZID

THERAPEUTIC USE

Isocarboxazid in the treatment of bulimia [letter] Kennedy S, et al. **Am J Psychiatry** 1986 Nov;143(11):1495–6

ISOCITRATE DEHYDROGENASE

ANALYSIS

Isolation of the glutamyl peptide labeled by the nucleotide analogue 2–(4–bromo–2,3–dioxobutylthio)–1,N(6)–ethenoadenosine 2',5'–biphosphate in the active site of NADP+–specific isocitrate dehydrogenase. Bailey JM, et al. **J Biol Chem** 1987 Sep 15;262(26):12620–6

ANTAGONISTS & INHIBITORS

Inactivation of isocitrate dehydrogenase by phosphorylation is mediated by the negative charge of the phosphate. Thorsness PE, et al. **J Biol Chem** 1987 Aug 5; 262(22):10422–5

BLOOD

Serum isocitrate dehydrogenase activity in Reye's syndrome. Deshmukh DR, et al. **Biochem Med Metab Biol** 1987 Apr; 37(2):255–7

Serum isocitrate dehydrogenase during polybrominated biphenyl toxicosis in dairy cattle. Schanbacher FL, et al. **J Anim Sci** 1987 Feb;64(2):467–73

Local myotoxicity of ketamine hydrochloride in the marmoset. Davy CW, et al. **Lab Anim** 1987 Jan;21(1):60–7

[Glucose utilization and activity of glucose–6–phosphate dehydrogenase, isocitrate dehydrogenase and malate dehydrogenase in rat erythrocytes after treatment with tuberculostatic agents] Storozhuk PG, et al. **Vopr Med Khim** 1986 Sep–Oct;32(5):32–5 (Eng. Abstr.) **(Rus)**

GENETICS

Electrophoretic polymorphism and sexual dimorphism in the freshwater and anadromous threespine sticklebacks (Gasterosteus aculeatus) of the Little Campbell River, British Columbia. Withler RE, et al. **Biochem Genet** 1986 Oct;24(9–10):701–13

Genetic polymorphism, mapping, and characterization of isocitrate dehydrogenase in Anopheles quadrimaculatus. Kim SS, et al. **J Hered** 1987 May–Jun;78(3):187–90

Four independent electrophoretic markers in spadefoot toads. Simovich MA, et al. **J Hered** 1986 Nov–Dec;77(6):410–4

ISOLATION & PURIFICATION

Interaction between NAD–dependent isocitrate dehydrogenase, alpha–ketoglutarate dehydrogenase complex, and NADH:ubiquinone oxidoreductase. Porpaczy Z, et al. **J Biol Chem** 1987 Jul 15;262(20):9509–14

[Purification and properties of NADP–dependent isocitrate dehydrogenase from the bovine adrenal cortex] Taranda NI, et al. **Ukr Biokhim Zh** 1987 Jan–Feb;59(1):24–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Activities of NAD–and NADP–specific isocitrate dehydrogenases in kidney mitochondria of rachitic rat. Treves C, et al. **Biochem Cell Biol** 1986 Dec;64(12):1310–6

Placental oxidative enzymes in pregnancy anaemia. Singla PN, et al. **Indian J Med Res** 1987 Feb;85:176–80

Characterization of an active site peptide modified by the substrate analogue 3–bromo–2–ketoglutarate on a single chain of dimeric NADP+–dependent isocitrate dehydrogenase. Ehrlich RS, et al. **J Biol Chem** 1987 Sep 15;262(26):12614–9

Inactivation of NAD–dependent isocitrate dehydrogenase by affinity labeling of the allosteric ADP site by 2–(4–bromo–2,3–dioxobutylthio)adenosine 5'–diphosphate. Huang YC, et al. **J Biol Chem** 1986 Oct 25;261(30):14100–7

Role of the isocitrate dehydrogenases and other Krebs cycle enzymes in lactating bovine mammary gland. Farrell HM Jr, et al. **J Dairy Sci** 1987 Apr;70(4):781–8

[Kinetic properties of NADP–specific isocitrate dehydrogenase from bovine adrenals] Strumilo SA, et al. **Biokhimiia** 1987 May;52(5):724–30 (Eng. Abstr.) **(Rus)**

ISOCITRATE HYDRO–LYASE see **ACONITATE HYDRATASE**

ISOCITRATE LYASE see under **KETOACID–LYASES**

ISOCITRATES

ANALYSIS

Enzymatic determination of isocitrate by amperometric monitoring of the rate of oxygen consumption. Abrahám M, et al. **Acta Biochim Biophys Hung** 1986;21(3):225–8

PHARMACODYNAMICS

The effect of citrate and other compounds on PMN incubated in vitro: further studies on the site and mechanism of action of citrate. Pfister RR, et al. **Cornea** 1984–85;3(4):240–9

ISODESMOSINE see under **AMINO ACIDS**

ISOELECTRIC FOCUSING

Enzyme immuno assay of the estrogen receptor in breast cancer biopsy samples. A comparison with isoelectric focusing. Fernö M, et al. **Acta Radiol [Oncol]** 1986 May–Jun;25(3):171–5

Theoretical and experimental study of high–performance electrophoretic mobilization of isoelectrically focused protein zones. Hjertén S, et al. **J Chromatogr** 1987 Jan 30; 387:127–38

Isoelectric focusing patterns of some mammalian keratins. Carracedo A, et al. **J Forensic Sci** 1987 Jan;32(1):93–9

Affinity immunoblotting. High resolution isoelectric focusing analysis of antibody clonotype distribution. Knisley KA, et al. **J Immunol Methods** 1986 Dec 4;95(1):79–87

Ox spleen ferritin: an isoelectrofocusing and crossed immunoelectrofocusing study. Calvo JJ, et al. **Rev Esp Fisiol** 1986 Sep;42(3):335–9

The polymorphism of plasminogen (PLG) by ultrathin–layer isoelectric focusing. Distribution in the Veneto population (Italy). Cortivo P, et al. **Z Rechtsmed** 1986;96(4):275–8

DIA3 phenotyping in human semen and seminal stains by isoelectric focusing. Kido A, et al. **Z Rechtsmed** 1987; 98(3):207–12

Polymorphism of EsD by isoelectric focusing: phenotyping in human tissues, dental pulps, hair roots, and semen. Komatsu N. **Z Rechtsmed** 1986;97(3):147–55

A comparative study of immuno–blotting techniques for the detection of Gc–subtypes after isoelectric focusing on agarose and polyacrylamide gels. Rand S, et al. **Z Rechtsmed** 1987;98(3):175–80

New detection method for uropepsinogen (PGA) using isoelectric focusing and immunoblotting techniques. Yasuda T, et al. **Z Rechtsmed** 1987;98(3):147–53

[Differentiation of Sarcocystis muris and S. dispersa infections of the mouse using isoelectric focusing and immune assays] Reiter I, et al. **DTW** 1986 Oct 8;93(9):433–7 (Eng. Abstr.) **(Ger)**

[Detection of lipoprotein–X subfractions by isoelectric focusing on agarose gel] Suehira S, et al. **Rinsho Byori** 1987 Jan;35(1):80–5 **(Jpn)**

INSTRUMENTATION

Isoelectric focusing using non–amphoteric buffers in free solution: II. Apparatus and measures of pH stability. Wenger P, et al. **J Biochem Biophys Methods** 1986 Nov; 13(4–5):275–87

METHODS

Demonstration of intrapleural immunoglobulin synthesis by agarose gel isoelectric focusing. A new specific method for the diagnosis of pleural effusions of inflammatory origin? Rosström B, et al. **Am Rev Respir Dis** 1986 Nov; 134(5):1036–9

A procedure for the immunoblotting of proteins separated on isoelectric focusing gels. Otey CA, et al. **Anal Biochem** 1986 Aug 15;157(1):71–6

Isoelectric focusing of proteins in rewetted ultrathin polyacrylamide gel layers. Sippel TO. **Anal Biochem** 1986 Dec;159(2):349–57

A thin–gel isoelectric focusing method for quantitation of protein S–thiolation. Thomas JA, et al. **Anal Biochem** 1986 Aug 15;157(1):32–8

Selection of chemical spacers to improve isoelectric focusing resolving power: implications for use in two–dimensional electrophoresis. Tindall SH. **Anal Biochem** 1986 Dec; 159(2):287–94

Isoelectric focusing of the cytosolic human creatine kinase isoenzymes. Nealon DA. **Clin Chim Acta** 1987 Jun 30; 166(1):73–8

A comparison of the sensitivity of typing group–specific component (Gc) and the phosphoglucomutase (PGM1) locus in control and casework bloodstains by three

isoelectric focusing methods. Nelson L, et al. **Forensic Sci Int** 1986 Oct;32(2):121–30

pH measurements in ultranarrow immobilized pH gradients. Gelfi C, et al. **J Biochem Biophys Methods** 1986 Sep; 13(2):113–24

Direct recovery of proteins into a free-liquid phase after preparative isoelectric focusing in immobilized pH gradients. Righetti PG, et al. **J Biochem Biophys Methods** 1986 Oct;13(3):151–9

Isoelectric focusing using non-amphoteric buffers in free solution: III. Separation of amino acids. Wenger P, et al. **J Biochem Biophys Methods** 1986 Nov;13(4–5):289–303

Isoelectric focusing using non-amphoteric buffers in free solution: I. Determination of stable concentration profiles. Wenger P, et al. **J Biochem Biophys Methods** 1986 Nov; 13(4–5):259–73

A rapid micromethod for apolipoprotein E phenotyping directly in serum. Havekes LM, et al. **J Lipid Res** 1987 Apr;28(4):455–63

Isoelectric focusing in immobilized pH gradients: theory and newer methodology. Righetti PG, et al. **Methods Biochem Anal** 1987;32:215–78 (72 ref.)

[Recent electrophoretic methods in the analysis of blood stains] Berghaus G, et al. **Beitr Gerichtl Med** 1986;44:63–6 (Eng. Abstr.) (Ger)

[PGM1 isoelectric focusing of sperm traces: elution conditions, age of the traces, concentration in the stain] Scheithauer R, et al. **Beitr Gerichtl Med** 1986;44:101–7 (Eng. Abstr.) (Ger)

ISOELECTRIC POINT see under **HYDROGEN-ION CONCENTRATION**

ISOENZYMES

Low- and ultralow-temperature magnetic circular dichroism studies of reduced cytochromes P-450–LM2 and P-420–LM2 and of photo-products of their co-complexes. The spin-state and axial ligation of heme iron. Sharonov YuA, et al. **Biochem Biophys Res Commun** 1987 Jul 15; 146(1):165–72

Nature of the subunits of the 6-phosphofructo-1-kinase isoenzymes from rat tissues. Dunaway GA, et al. **Biochem J** 1987 Mar 15;242(3):667–71

Comparison of the primary structures of ribonuclease U2 isoforms. Kanaya S, et al. **Biochem J** 1986 Nov 15; 240(1):163–70

Homology within the N-terminal extension of cysteine proteinases. North MJ. **Biochem J** 1986 Sep 1;238(2):623–4

Human liver glutathione S-transferase psi. Chemical characterization and secondary-structure comparison with other mammalian glutathione S-transferases. Singh SV, et al. **Biochem J** 1987 Apr 1;243(1):61–7

Multiple forms of acid and alkaline phosphatases: genetics, expression and tissue-specific modification. Moss DW. **Clin Chim Acta** 1986 Dec 15;161(2):123–35 (64 ref.)

Computer-graphics interpretations of residue exchanges between the alpha, beta and gamma subunits of human-liver alcohol dehydrogenase class I isozymes. Eklund H, et al. **Eur J Biochem** 1987 Sep 1;167(2):185–93

The primary structure of iron superoxide dismutase from Escherichia coli. Schininà ME, et al. **FEBS Lett** 1987 Aug 31;221(1):87–90

Carbonic anhydrases. Deutsch HF. **Int J Biochem** 1987; 19(2):101–13 (138 ref.)

Proceedings of the 5th International Congress on Isozymes. Kos, Greece, May 26–29, 1986. I. Molecular and cellular biology. **Isozymes Curr Top Biol Med Res** 1987;14:1–276

Alpha and beta forms of cytochrome c oxidase observed in rat heart myocytes by low temperature Fourier transform infrared spectroscopy. Fiamingo FG, et al. **J Biol Chem** 1986 Oct 5;261(28):12976–87

An investigation of hydrogenase I and hydrogenase II from Clostridium pasteurianum by resonance Raman spectroscopy. Evidence for a [2Fe–2S] cluster in hydrogenase I. Macor KA, et al. **J Biol Chem** 1987 Jul 25;262(21):9945–7

Inhibition of Plasmodium knowlesi isoenzyme bands using antibody produced by lymphocyte hybridoma technique. Pasha ST, et al. **J Commun Dis** 1986 Sep;18(3):198–202

Comparison of amino terminal region of three isoenzymes of phospholipases A2 (TFV PL-Ia, TFV PL-Ib, TFV PL-X) from Trimeresurus flavoviridis (habu snake) venom and the complete amino acid sequence of the basic phospholipase, TFV PL-X. Kini RM, et al. **Toxicon** 1986; 24(11–12):1117–29

[Peroxidase activity of catalase modified by progesterone] Artemchik VD, et al. **Biokhimiia** 1986 Aug;51(8):1355–61 (Eng. Abstr.) (Rus)

ANALYSIS

Amylase in thyroid tissues from normal and various thyroid diseases. Biochemical and immunohistochemical study. Mizukami Y, et al. **Acta Pathol Jpn** 1987 Feb;37(2):253–60

Deficient fumarase activity in an infant with fumaricaciduria and its distribution between the different forms of the enzyme seen on isoelectric focusing. Petrova-Benedict R, et al. **Am J Hum Genet** 1987 Mar;40(3):257–66

Quantitation of aspartate aminotransferase isoenzymes after electrophoretic separation. Nealon DA, et al. **Anal Biochem** 1987 Feb 15;161(1):64–9

Chromosomal characterization and isoenzyme pattern of non-malignant and malignant human urothelial cell lines. Debiec-Rychter M, et al. **Anticancer Res** 1986 Sep–Oct; 6(5):1237–44

Rat liver mitochondria contain two immunologically distinct dihydrolipoamide dehydrogenases. Carothers DJ, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):597–605

Alteration of isoenzyme patterns of a cloned culture of non pathogenic Entamoeba histolytica upon changes in growth conditions. Mirelman D, et al. **Arch Invest Med (Mex)** 1986; 17 Suppl 1:187–93

Evidence that the alpha and alpha (+)isoforms of the catalytic subunit of (Na+, K+)-ATPase reside in distinct ciliary epithelial cells of the mammalian eye. Coca-Prados M, et al. **Biochem Biophys Res Commun** 1987 May 29; 145(1):460–6

Amino acid sequence homology between yeast hexokinases and rat hexokinase C. Marcus F, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):714–9

Evidence for isoforms of the phosphorylatable myosin light chain in rat uterus. Bárány K, et al. **Biochim Biophys Acta** 1987 Feb 25;911(3):369–71

Variations in the glutathione S-transferase subunits expressed in human livers. Hussey AJ, et al. **Biochim Biophys Acta** 1986 Nov 7;874(1):1–12

Primary structure analysis proves that protein phosphatases 2C1 and 2C2 are isozymes. McGowan CH, et al. **Biochim Biophys Acta** 1987 Sep 14;930(2):279–82

Separate enzymatic microassays for aspartate aminotransferase isoenzymes. Parli JA, et al. **Biochim Biophys Acta** 1987 Aug 13;925(2):175–84

Zymograms of Kurloff cell acid phosphatases. Thin layer isoelectric focusing and native polyacrylamide 4–15% gradient gel electrophoresis. Landemore G, et al. **Biol Cell** 1987;59(1):97–100

Characterization of acetylcholinesterase isoforms in septal and hippocampal cultures and cocultures. Schegg KM, et al. **Brain Res** 1986 Dec;395(2):221–30

Alkaline phosphatase as a marker of osteoinductive cells. Wlodarski KH, et al. **Calcif Tissue Int** 1986 Dec;39(6):382–5

Occurrence of particular isoenzymes in fresh and cultured leukemia-lymphoma cells. III. Esterase isoenzyme in monocytes. Drexler HG, et al. **Cancer** 1987 Jan 1; 59(1):77–82

Identification of testicular atypical germ cells by an immunohistochemical technique for placental alkaline phosphatase. Koide O, et al. **Cancer** 1987 Sep 15; 60(6):1325–30

Changes in isoenzyme profiles during induction of differentiation in human myelomonocytic leukemia cell lines. Drexler HG, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6078–82

Comparison of cell-associated and soluble galactosyltransferase isoenzymes from a human bladder transitional cell carcinoma line. Gmeiner B, et al. **Cancer Res** 1987 May 1;47(9):2311–6

Levels of alkaline phosphatase isozymes in human seminoma tissue. Hirano K, et al. **Cancer Res** 1987 May 15; 47(10):2543–6

Further analysis of multiple forms of rabbit hepatic glutathione S-transferase. Miyaura S, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):2919–25

The physical characteristics and enzymatic modification of fetal intestinal alkaline phosphatase in amniotic fluid. Moss DW, et al. **Clin Biochem** 1987 Feb;20(1):9–12

Differential assay of salivary and pancreatic alpha-amylase in serum and urine, with use of monoclonal antibody to human salivary amylase immobilized on bacterial cell wall. Hiroishi S, et al. **Clin Chem** 1987 Jul;33(7):1235–6

Mathematical treatment of data for calculating activities of alpha-amylase isoenzymes. Redondo FL. **Clin Chem** 1987 May;33(5):689–91

Isoelectric focusing of neuraminidase-treated alkaline phosphatase isoenzymes on agarose gel. Root CF Jr, et al. **Clin Chem** 1987 Jun;33(6):830–2

Interference by platelets in the electrophoretic determination of enolase isoenzymes in plasma. Viallard JL, et al. **Clin Chem** 1987 Jan;33(1):164–7

Specific assays for human alkaline phosphatase isozymes. Hirano K, et al. **Clin Chim Acta** 1987 Jul 15;166(2–3):265–73

Quantitative analysis of the mitochondrial cytochrome P-450-linked monooxygenase system: NADPH-hepatoredoxin reductase, hepatoredoxin, and cytochrome P-450x27 in livers of patients with cerebrotendinous xanthomatosis. Miki H, et al. **Clin Chim Acta** 1986 Nov 15;160(3):255–63

A novel alkaline phosphatase isozyme in human adipose tissue. Okochi T, et al. **Clin Chim Acta** 1987 Jan 15; 162(1):19–27

Multiple forms of immunoreactive renin in human adrenocortical tumour tissue from patients with primary aldosteronism. Mizuno K, et al. **Clin Sci** 1987 Jun; 72(6):699–704

Characterization by electrophoretic zymograms of 19 Trypanosoma cruzi clones derived from two chronic chagasic patients. Montamat EE, et al. **Comp Biochem Physiol [B]** 1987;87(2):417–22

beta-Glucosidase isoenzymes in Epstein-Barr virus-transformed lymphoid cell lines from normal subjects and patients with type 1 Gaucher disease. Maret A, et al. **Enzyme** 1987;37(4):208–17

Characteristics of alcohol/polyol dehydrogenases. The zinc-containing long-chain alcohol dehydrogenases. Jörnvall H, et al. **Eur J Biochem** 1987 Sep 1;167(2):195–201

Characterization of three isoenzymes of rat alcohol dehydrogenase. Tissue distribution and physical and enzymatic properties. Julià P, et al. **Eur J Biochem** 1987 Jan 2;162(1):179–89

Nickel-[iron-sulfur]-selenium-containing hydrogenases from Desulfovibrio baculatus (DSM 1743). Redox centers and catalytic properties. Teixeira M, et al. **Eur J Biochem** 1987 Aug 17;167(1):47–58

The elucidation of the microheterogeneity of highly purified p-hydroxybenzoate hydroxylase from Pseudomonas fluorescens by various biochemical techniques. Van Berkel WJ, et al. **Eur J Biochem** 1987 Aug 17;167(1):35–46

Ocular NAD-dependent alcohol dehydrogenase and aldehyde dehydrogenase in the baboon. Holmes RS, et al. **Exp Eye Res** 1986 Sep;43(3):383–96

Aging modifies the expression of hepatic microsomal cytochromes P-450 after pretreatment of rats with beta-naphthoflavone or phenobarbital. Sun JQ, et al. **Exp Gerontol** 1986;21(2):65–73

Polyclonal and monoclonal antibodies as probes of rat hepatic cytochrome P-450 isozymes. Thomas PE, et al. **Fed Proc** 1987 Jun;46(8):2563–6 (18 ref.)

Antigen reversion of glycogen phosphorylase isoenzyme in carcinoma and proliferative zone of intestinal metaplasia of the human stomach. An immunohistochemical study. Shimada S, et al. **Gastroenterology** 1987 Jul;93(1):35–40

Changes in isoenzyme patterns of a cloned culture of nonpathogenic Entamoeba histolytica during axenization. Mirelman D, et al. **Infect Immun** 1986 Dec;54(3):827–32

Liver specific pyruvate kinase in pheasants Phasianus colchicus. Guderley H, et al. **Int J Biochem** 1987; 19(6):561–4

Low Mr tropomyosin isoforms from chicken brain and intestinal epithelium have distinct actin-binding properties. Broschat KO, et al. **J Biol Chem** 1986 Oct 5; 261(28):13350–9

Identification of two isoforms of the catalytic subunit of Na,K-ATPase in myocytes from adult rat heart. Charlemagne D, et al. **J Biol Chem** 1987 Jul 5; 262(19):8941–3

Amino acid sequence of rhizopuspepsin isozyme pI 5. Delaney R, et al. **J Biol Chem** 1987 Feb 5;262(4):1461–7

Immunochemical analysis of mammalian RNA polymerase II subspecies. Stability and relative in vivo concentration. Kim WY, et al. **J Biol Chem** 1986 Oct 25;261(30):14219–25

A human hepatoma cell line expresses a single-chain form of gamma-glutamyl transpeptidase. Tate SS, et al. **J Biol Chem** 1987 Aug 25;262(24):11403–6

Sugar-chain heterogeneity of human alkaline phosphatases: differences between normal and tumour-associated isozymes. Koyama I, et al. **J Chromatogr** 1987 Jan 23; 413:65–78

Nonspecific esterase isozymes that focus at identical isoelectric points are kinetically analogous. Choudhury SR. **J Histochem Cytochem** 1987 Feb;35(2):275–6

Diagnosis by isozyme methods of two cryptic species, Psychodopygus carrerai and P. yucumensis (Diptera: Psychodidae). Caillard T, et al. **J Med Entomol** 1986 Sep 19;23(5):489–92

Electrophoretic comparisons of isozymes from selected populations of Stomoxys calcitrans (Diptera: Muscidae). Jones CJ, et al. **J Med Entomol** 1987 Jan;24(1):54–60

Comparison of contractile state and myosin isozymes of rat right and left ventricular myocardium. Brooks WW, et al. **J Mol Cell Cardiol** 1987 May;19(5):433–40

Human gamma gamma-enolase: two-site immunoradiometric assay with a single monoclonal antibody. Soler-Federspiel BS, et al. **J Neurochem** 1987 Jan;48(1):22–8

Immunohistochemical demonstration of pyloric gland-type cells with low-pepsinogen isozyme I in preneoplastic and neoplastic tissues of rat stomachs treated with N-methyl-N'-nitro-N-nitrosoguanidine. Tatematsu M, et al. **JNCI** 1987 Apr;78(4):771–7

Quantitative enzyme determination; a parameter for leukemic cell differentiation. Wijermans PW, et al. **Leuk Res** 1987; 11(7):641–8

Tropomyosin isoform switching in tumorigenic human fibroblasts. Leavitt J, et al. **Mol Cell Biol** 1986 Jul; 6(7):2721–6

Tissue- and species-dependent expression of multiple forms of mammalian microsomal flavin-containing monooxygenase. Tynes RE, et al. **Mol Pharmacol** 1987 Jun; 31(6):569–74

Hexokinase isoenzymes in the diagnosis of gastric and esophageal neoplasms. Bassalyk LS, et al. **Neoplasma** 1987; 34(3):319–24

Radioimmunoassay of placental alkaline phosphatase in ovarian cancer sera and tissues. Mano H, et al. **Obstet Gynecol** 1986 Dec;68(6):759–64

Comparative studies on soluble protein profiles and isozyme patterns of seven Trichinella isolates. Fukumoto S, et al. **Parasitol Res** 1987;73(4):352–7

Enzyme polymorphism and the identity of Trypanosoma brucei gambiense. Godfrey DG, et al. **Parasitology** 1987 Apr;94 (Pt 2):337–47

Isoenzyme characterization of trypanosomes of the subgenus Herpetosoma. Mohamed HA, et al. **Parasitology** 1987 Feb; 94 (Pt 1):39–48

Isozymic forms of rat brain Ca2+-activated and phospholipid-dependent protein kinase. Huang KP, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8535–9

Distinct cellular and regional localization of immunoreactive protein kinase C in rat brain. Mochly-Rosen D, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4660-4

Immunohistochemical study on AFP, HCG and PLAP in primary intracranial germ cell tumors. Washiyama K, et al. **Prog Exp Tumor Res** 1987;30:296-306

Persistent isolated hyperphosphatasemia. Lewis JM. **South Med J** 1987 Jun;80(6):788-90

Isoenzyme changes during the life cycle of Trypanosoma cruzi. Bogliolo AR, et al. **Trans R Soc Trop Med Hyg** 1987; 81(2):222-9

Characterization of Simulium (Edwardsellum) damnosum s.l. populations from six river systems in Kenya by cellulose acetate electrophoresis. Mebrahtu Y, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):914-22

Two episodes of cutaneous leishmaniasis in man caused by different zymodemes of Leishmania infantum s.l. [letter] Rioux JA, et al. **Trans R Soc Trop Med Hyg** 1986; 80(6):1004-5

Isoenzyme studies on Leishmania stocks from Peru by ultrathin-layer isoelectrofocusing. Ebert F. **Trop Med Parasitol** 1987 Mar;38(1):37-40

Isoenzymes of Trypanosoma rangeli stocks and their relation to other trypanosomes transmitted by triatomine bugs. Ebert F. **Trop Med Parasitol** 1986 Sep;37(3):251-4

Isoenzymatic typing of 23 Trichinella isolates. Pozio E. **Trop Med Parasitol** 1987 Jun;38(2):111-6

Immunohistochemically demonstrated increase in glutathione S-transferase species in propylnitrosamine-induced focal proliferative and neoplastic Syrian hamster pancreatic lesions. Moore MA, et al. **Virchows Arch [B]** 1987; 52(6):479-88

[Level of cyclic AMP-dependent protein kinase isozyme in normal liver and hepatoma tissue and the effect of sodium selenite] Liu QY, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Sep;8(5):339-41 (Eng. Abstr.) **(Chi)**

[Chemicotaxonomic study of the genus Echinostoma: comparison of a strain isolated in the Cameroon (E. sp.) and 2 African species (E. caproni and E. togoensis)] Voltz A, et al. **Ann Parasitol Hum Comp** 1986;61(6):617-23 (Eng. Abstr.) **(Fre)**

[Specific precipitation assay of bone and liver isoenzymes of serum alkaline phosphatase] Desoize B, et al. **Bull Cancer (Paris)** 1987;74(1):13-22 (Eng. Abstr.) **(Fre)**

[Immunohistochemical study of placental alkaline phosphatase in seminoma] Shiramizu M, et al. **Hinyokika Kiyo** 1986 Dec;32(12):1843-8 (Eng. Abstr.) **(Jpn)**

[Thymidine kinase isozyme in cancer of the colon—correlation to pathology and prognosis] Tsukada K, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Oct 20; 21(9):2216-20 (Eng. Abstr.) **(Jpn)**

[Linear dichroism of aspartate-aminotransferase isoenzymes oriented in polyacrylamide gel] Rozenberg MV, et al. **Dokl Akad Nauk SSSR** 1987;294(2):492-6 **(Rus)**

[Isoenzyme characterization of strains of leishmaniae using electrophoresis on acetate-cellulose slabs] Alieva KhKh, et al. **Med Parazitol (Mosk)** 1987 Mar-Apr;(2):54-9 **(Rus)**

[Concentration of neuron- and non-neuron-specific enolase isoenzymes in different structures of the brains of mentally healthy subjects and schizophrenic patients] Burbaeva GSh, et al. **Zh Nevropatol Psikhiatr** 1987;87(1):104-9 (Eng. Abstr.) **(Rus)**

[Behavior of prostate-specific antigen (PSA) in prostate tissue: correlation with prostatic acid phosphatase (PAP)] Morote Robles J, et al. **Actas Urol Esp** 1987 Mar-Apr; 11(2):180-3 (Eng. Abstr.) **(Spa)**

[Clinical correlation of the zymodeme of Entamoeba histolytica in patients in a psychiatric hospital] Amador F, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:331-4 (Eng. Abstr.) **(Spa)**

[Comparative study of zymodemes of Entamoeba histolytica and the genus Entamoeba in polyacrylamide gels] Antonio-Meraz M, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:43-9 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

Pyruvate kinase inhibition in the diagnosis of gliomas with an intermediate degree of malignancy. Mostert HW, et al. **Acta Neuropathol (Berl)** 1986;70(3-4):296-301

Inhibition studies of three classes of Desulfovibrio hydrogenase: application to the further characterization of the multiple hydrogenases found in Desulfovibrio vulgaris Hildenborough. Berlier Y, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):147-53

Stereoselective product inhibition of glutathione S-transferase. Chen WJ, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):892-7

Differential inhibition of rat and human glutathione S-transferase isoenzymes by plant phenols. Das M, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1170-6

Decreased level of calpain inhibitor activity in kidney from Milan hypertensive rats. Pontremoli S, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1287-94

Effect of starvation and diabetes on the sensitivity of carnitine palmitoyltransferase I to inhibition by 4-hydroxyphenylglyoxylate. Stephens TW, et al. **Biochem J** 1987 Apr 15;243(2):405-12

Oxidation and enzyme-activated irreversible inhibition of rat liver monoamine oxidase-B by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP). Tipton KF, et al. **Biochem J** 1986 Dec 1;240(2):379-83

Irreversible inhibition of hexosaminidase C by medium-chain monocarboxylic acids and Triton X-100. Hardy M, et al. **Biochim Biophys Acta** 1987 Jun 22;924(3):557-61

Action of surfactants on porcine heart malate dehydrogenase isoenzymes and a simple method for the differential assay of these isoenzymes. Smith K, et al. **Biochim Biophys Acta** 1986 Oct 29;884(1):109-18

Orthovanadate inhibition of rat epididymal neutral alpha-mannosidase isoenzymes. Dutta P, et al. **Indian J Biochem Biophys** 1986 Jun;23(3):140-2

Isozyme-specific enzyme inhibitors. 14. 5'(R)-C-[(L-homocystein-S-yl)methyl]adenosine 5'-(beta,gamma-imidotriphosphate), a potent inhibitor of rat methionine adenosyltransferases. Kappler F, et al. **J Med Chem** 1987 Sep;30(9):1599-603

Isozyme-specific enzyme inhibitors. 13. S-[5'(R)-[(N-triphosphoamino)methyl]adenosyl]-L-homocysteine, a potent inhibitor of rat methionine adenosyltransferases. Vrudhula VM, et al. **J Med Chem** 1987 May;30(5):888-94

Quinolinic acid: an endogenous inhibitor specific for type B monoamine oxidase in human brain synaptosomes. Naoi M, et al. **Neurosci Lett** 1987 Feb 24;74(2):232-6

[Effect of acrylates on the level and isozyme composition of cytochrome P-450 in rat liver microsomes] Kotlovskiĭ IuV, et al. **Vopr Med Khim** 1987 Jan-Feb;33(1):96-100 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Multiple inducible cytochromes P-450 in yeast. Bronzetti G, et al. **Basic Life Sci** 1986;39:343-8

The induction of a specific form of cytochrome P-450 (P-450j) by fasting. Hong JY, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):1077-83

Induction of rat hepatic cytochromes P-450 by environmental nitropolycyclic aromatic hydrocarbons. Chou MW, et al. **Biochem Pharmacol** 1987 Aug 1; 36(15):2449-54

Testosterone metabolite profiles reveal differences in the spectrum of cytochrome P-450 isozymes induced by phenobarbitone, 2-acetylaminofluorene and 3-methylcholanthrene in the chick embryo liver. Darby NJ, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):4073-6

Total cytochrome P-450, but not the major phenobarbitone or 3-methylcholanthrene induced isoenzyme, is differentially induced in the lobes of the rat liver. Sumner IG, et al. **Biochem Pharmacol** 1987 Feb 1;36(3):391-3

Effects of induction of rat liver cytosolic aldehyde dehydrogenase on the oxidation of biogenic aldehydes. Tank AW, et al. **Biochem Pharmacol** 1986 Dec 15; 35(24):4563-9

Studies on ethanol-inducible cytochrome P-450 in rabbit liver, lungs and kidneys. Ueng TH, et al. **Biochem Pharmacol** 1987 Aug 15;36(16):2689-91

Characterization of the intracellular processing and secretion of hepatic lipase in FU5AH rat hepatoma cells. Cisar LA, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):305-14

Phenotypic modulation of chronic lymphocytic, prolymphocytic, and lymphoplasmacytic leukemia cells by TPA: induction of TRAP isoenzyme 5 and HD6 (CD22) antigen and enhancement of IgM messenger RNA. Thiel E, et al. **Blood Cells** 1987;12(2):365-83

Induction of mammary cytochromes P-450: an essential first step in the metabolism of 7,12-dimethylbenz[a]anthracene by rat mammary epithelial cells. Christou M, et al. **Carcinogenesis** 1987 Jan;8(1):73-80

Regioselective metabolism of phenanthrene in Atlantic cod (Gadus morhua): studies on the effects of monooxygenase inducers and role of cytochromes P-450. Goksøyr A, et al. **Chem Biol Interact** 1986 Dec;60(3):247-63

Heterogeneity of hepatic microsomal UDP-glucuronosyltransferases activities: use and comparison of differential inductions in some mammalian species. Boutin JA, et al. **Comp Biochem Physiol [B]** 1987; 87(3):513-22

Identification of 69-kd and 100-kd forms of 2-5A synthetase in interferon-treated human cells by specific monoclonal antibodies. Hovanessian AG, et al. **EMBO J** 1987 May; 6(5):1273-80

Induction of new carbonic anhydrase II following treatment with acetazolamide in DBA and C57 mice. Banks DA, et al. **Epilepsia** 1986 Sep-Oct;27(5):510-5

Relationship between thymus ontogeny and DNA ligase expression in the chicken. Jotereau F, et al. **Eur J Immunol** 1987 Jan;17(1):85-9

Developmental expression of the muscle-specific isozyme of phosphoglycerate mutase in human muscle cultured in monolayer and innervated by fetal rat spinal cord. Martinuzzi A, et al. **Exp Neurol** 1987 May;96(2):365-75

Effects of electrical stimulation and tetrodotoxin paralysis on expression of muscle-specific isozymes of four enzymes in aneurally cultured embryonic rat muscle. Rösler KM, et al. **Exp Neurol** 1987 Sep;97(3):739-45

Immunoquantitation of cytochrome b5 and methylcholanthrene-induced cytochromes P-450. Shires TK, et al. **Fed Proc** 1987 Jun;46(8):2567-74 (23 ref.)

Structure-activity relationships of chlorinated benzenes as inducers of hepatic cytochrome P-450 isozymes in the rat. Goldstein JA, et al. **IARC Sci Publ** 1986;(77):519-26

Induction of superoxide dismutase isozymes in rabbit lung due to aniline exposure. Kakkar P, et al. **J Appl Toxicol** 1987 Feb;7(1):7-13

Four different forms of interferon-induced 2',5'-oligo(A) synthetase identified by immunoblotting in human cells. Chebath J, et al. **J Biol Chem** 1987 Mar 15;262(8):3852-7

Effects of sodium butyrate on human colonic adenocarcinoma cells. Induction of placental-like alkaline phosphatase. Gum JR, et al. **J Biol Chem** 1987 Jan 25; 262(3):1092-7

Determination of the membrane topology of the phenobarbital-inducible rat liver cytochrome P-450 isoenzyme PB-4 using site-specific antibodies. De Lemos-Chiarandini C, et al. **J Cell Biol** 1987 Feb; 104(2):209-19

Expression of muscle-gene-specific isozymes of phosphorylase and creatine kinase in innervated cultured human muscle. Martinuzzi A, et al. **J Cell Biol** 1986 Oct; 103(4):1423-9

On the ontogeny and interactions of glyceraldehyde-3-phosphate dehydrogenase. Reid S, et al. **Mech Ageing Dev** 1986 Aug;35(3):209-19

Co-induction of cytochrome P-450 isozymes in rat liver by 2,4,5,2',4',5'-hexachlorobiphenyl or 3-methoxy-4-aminoazobenzene. Kelley M, et al. **Mol Pharmacol** 1987 Aug;32(1):206-11

Species-dependent expression and induction of homologues of rabbit cytochrome P-450 isozyme 5 in liver and lung. Vanderslice RR, et al. **Mol Pharmacol** 1987 Apr;31(4):320-5

Expression of active, membrane-bound human placental alkaline phosphatase by transfected simian cells. Berger J, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4885-9

Evidence for sequential expression of multiple AMP deaminase isoforms during skeletal muscle development. Marquetant R, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2345-9

Localization of phenobarbital- and 3-methylcholanthrene-inducible cytochromes P-450 in mouse lung with monoclonal antibodies. Forkert PG, et al. **Res Commun Chem Pathol Pharmacol** 1986 Aug; 53(2):147-57

Induction of the placental form of glutathione S-transferase by lead nitrate administration in rat liver. Roomi MW, et al. **Toxicol Pathol** 1987;15(2):202-5

Differential induction of cytochrome P-450 catalyzed activities by polychlorinated biphenyls and benzo [a]pyrene in B6C3F1 mouse liver and lung. Mitchell CE, et al. **Toxicology** 1987 Mar;43(3):315-23

[Identification and characteristics of mRNA for cytochrome P-450 in the rat liver induced by phenobarbital and 3-methylcholanthrene] Kabishev AA, et al. **Biokhimiia** 1986 Nov;51(11):1821-8 (Eng. Abstr.) **(Rus)**

[The level and activity of molecular forms of monooxygenase P-450b and P-450c during their separate and consecutive induction in the liver] Tsyrlov IB, et al. **Biokhimiia** 1987 Apr;52(4):607-14 (Eng. Abstr.) **(Rus)**

[Production of placental-type alkaline phosphatase isoenzyme in periapical granuloma] Freidin LI, et al. **Stomatologiia (Mosk)** 1987 Jan-Feb;66(1):16-8 (Eng. Abstr.) **(Rus)**

BLOOD

Giant neutrophils with increased peroxidase activity. Another evidence of dysgranulopoiesis in AIDS. d'Onofrio G, et al. **Am J Clin Pathol** 1987 May;87(5):584-91

Alkaline phosphatase isoenzymes and osteocalcin in serum of normal subjects. Steinberg KK, et al. **Ann Clin Lab Sci** 1987 Jul-Aug;17(4):241-50

Evidence for two uroporphyrinogen decarboxylase isoenzymes in human erythrocytes. Mukerji SK, et al. **Biochem Biophys Res Commun** 1987 Aug 14; 146(3):1196-203

Heparin-induced release of extracellular superoxide dismutase to human blood plasma. Karlsson K, et al. **Biochem J** 1987 Feb 15;242(1):55-9

Characterization of multiple forms of phosphoinositide-specific phospholipase C purified from human platelets. Low MG, et al. **Biochem J** 1986 Jul 1; 237(1):139-45

Isoenzyme patterns of glutathione transferases from mammalian erythrocytes. Del Boccio G, et al. **Biochem Med Metab Biol** 1986 Dec;36(3):306-12

Alteration of beta-hexosaminidase activity and isoenzymes in human leukemic cells. Orlacchio A, et al. **Biochem Med Metab Biol** 1986 Dec;36(3):283-92

A new acylphosphatase isoenzyme from human erythrocytes: purification, characterization, and primary structure. Liguri G, et al. **Biochemistry** 1986 Dec 2;25(24):8089-94

Differences in nonspecific esterase from normal and leukemic monocytes. Cohn PD, et al. **Blood** 1987 Jun;69(6):1574-9

Independent expression in serum of three tumour-associated antigens: CA 125, placental alkaline phosphatase and HMFG2 in ovarian carcinoma. Ward BG, et al. **Br J Obstet Gynaecol** 1987 Jul;94(7):696-8

Clinical significance of pepsinogen A isozymogens, serum pepsinogen A and C levels, and serum gastrin levels. Westerveld BD, et al. **Cancer** 1987 Mar 1;59(5):952-8

Distinct alpha-L-fucosidase isoenzyme profiles in human leukemic cells. Orlacchio A, et al. **Cancer Invest** 1987; 5(2):95-100

Clinical appraisal of serum isozymes of LDH and GOT in the diagnosis of hepatobiliary diseases. Meng XY, et al. **Chin Med J [Engl]** 1987 Feb;100(2):146-8

Macroamylase: prevalence, distribution of age, sex, amylase activity, and electrophoretic mobility. Forsman RW. **Clin Biochem** 1986 Aug;19(4):250-3

Quantification of bone alkaline phosphatase in serum by precipitation with wheat-germ lectin: a simplified method and its clinical plausibility. Behr W, et al. **Clin Chem** 1986 Oct;32(10):1960-6

Characterization and assay of tartrate-resistant acid phosphatase activity in serum: potential use to assess bone resorption. Lau KH, et al. **Clin Chem** 1987 Apr;33(4):458-62

Salivary amylase and pancreatic enzymes in Sjögren's syndrome. Pal B, et al. **Clin Chem** 1987 Feb;33(2 Pt 1):305-7

Activity of serum aspartate aminotransferase isoenzymes in patients with acute myocardial infarction. Panteghini M, et al. **Clin Chem** 1987 Jan;33(1):67-71

Simplified wheat germ lectin precipitation method for alkaline phosphatase isoenzyme [letter] Rosalki SB, et al. **Clin Chem** 1986 Nov;32(11):2118

Lactate dehydrogenase isoenzymes in serum during recent acute myocardial infarction. Rotenberg Z, et al. **Clin Chem** 1987 Aug;33(8):1419-20

Activity of phospholipase A compared in serum of patients with pancreatic and nonpancreatic diseases. Schmidt D, et al. **Clin Chem** 1987 Apr;33(4):594-6

"Fragmented" isoenzymes of alkaline phosphatase in the diagnosis of transient hyperphosphatasemia. Schoenau E, et al. **Clin Chem** 1986 Dec;32(12):2211-3

Transient hyperphosphatasemia of infancy and early childhood: clinical and biochemical features of 21 cases and literature review. Stein P, et al. **Clin Chem** 1987 Feb; 33(2 Pt 1):313-8

Hepatic damage in the rat following administration of thyroxine or triiodothyronine, assessed by measurement of plasma glutathione S-transferase YaYa concentrations. Beckett GJ, et al. **Clin Chim Acta** 1986 Nov 30;161(1):69-79

Impaired hepatocellular integrity during general anaesthesia, as assessed by measurement of plasma glutathione S-transferase. Hussey AJ, et al. **Clin Chim Acta** 1986 Nov 30;161(1):19-28

Human erythrocyte transketolase: no evidence for variants. Kaufmann A, et al. **Clin Chim Acta** 1987 Jan 30; 162(2):215-9

5'-Nucleotide phosphodiesterase isoenzymes in human serum: quantitative measurement and some biochemical properties. Lüthje J, et al. **Clin Chim Acta** 1987 May 15; 164(3):275-84

Use of amylase isoenzymes in laboratory evaluation of hyperamylasemia. Jensen DM, et al. **Dig Dis Sci** 1987 Jun; 32(6):561-8

Characterization of alkaline phosphatase in canine serum. Amacher DE, et al. **Enzyme** 1987;37(3):141-9

Characterization of serum cholinesterase in familial hyper-cholinesterasemia associated with an isozyme variant band. Yamamoto K, et al. **Gastroenterol Jpn** 1987 Apr;22(2):187-93

A case of familial hyper-cholinesterasemia associated with isozyme variant band. Yamamoto K, et al. **Gastroenterol Jpn** 1986 Aug;21(4):379-84

LDH isoenzymes in blast crisis of chronic granulocytic leukemia [letter] Pozzato G, et al. **Haematologica (Pavia)** 1987 Mar-Apr;72(2):184

Isozymes as host-donor blood cell "tracers" in bone marrow transplantation. Meera Khan P, et al. **Isozymes Curr Top Biol Med Res** 1987;16:125-44

Enolase isoenzymes as tumour markers. Gerbitz KD, et al. **J Clin Chem Clin Biochem** 1986 Dec;24(12):1009-16

Clinical relevance of alkaline phosphatase isoenzyme determinations by high performance liquid chromatography. Schönau E, et al. **J Clin Chem Clin Biochem** 1986 Sep;24(9):641-6

Serum osteocalcin levels and bone alkaline phosphatase isoenzyme after oophorectomy and in primary hyperparathyroidism. Stěpán JJ, et al. **J Clin Endocrinol Metab** 1987 May;64(5):1079-82

Identification of bone and liver metastases from breast cancer by measurement of plasma alkaline phosphatase isoenzyme activity. Mayne PD, et al. **J Clin Pathol** 1987 Apr; 40(4):398-403

Serum alkaline phosphatase isoenzymes [letter] Parker SG, et al. **J Clin Pathol** 1987 Apr;40(4):471-3

Quantitative method for determining serum alkaline phosphatase isoenzyme activity I. Guanidine hydrochloride: new reagent for selectively inhibiting major serum isoenzymes of alkaline phosphatase. Shephard MD, et al. **J Clin Pathol** 1986 Sep;39(9):1025-30

Quantitative method for determining serum alkaline phosphatase isoenzyme activity II. Development and clinical application of method for measuring four serum alkaline phosphatase isoenzymes. Shephard MD, et al. **J Clin Pathol** 1986 Sep;39(9):1031-8

The effect of neuraminidase on the molecular weight and the isoelectric point of the steroid induced alkaline phosphatase of dogs. Eckersall PD, et al. **J Comp Pathol** 1986 Sep;96(5):587-91

Identification and inheritance of inbred hamster N-acetyltransferase isozymes in peripheral blood. Hein DW, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):823-8

Analysis of hyperamylasemia in patients with severe head injury. Vitale GC, et al. **J Surg Res** 1987 Sep;43(3):226-33

Diagnostic and prognostic value of serum elastase 1 in acute pancreatitis. Büchler M, et al. **Klin Wochenschr** 1986 Nov 17;64(22):1186-91

Properties of Caucasian type red cell acid phosphatase phenotypes CA and CB found in Japanese. Minakata K, et al. **Nippon Hoigaku Zasshi** 1986 Jun;40(3):335-8

Placental alkaline phosphatase as a tumor marker in ovarian cancer. Vergote I, et al. **Obstet Gynecol** 1987 Feb; 69(2):228-32

Separation of isoenzymes of glucose-6-phosphate dehydrogenase from human erythrocytes by two-dimensional gel electrophoresis. Liu MS, et al. **Proc Natl Sci Counc Repub China [B]** 1984 Apr;8(2):155-60

Formaldehyde dehydrogenase from human erythrocytes: purification, some properties and evidence for multiple forms. Uotila L, et al. **Prog Clin Biol Res** 1987;232:165-77

Characterization of serum alkaline phosphatase isoenzymes by affinity electrophoresis in agarose gel containing lectin combined with agar gel electrophoresis. Onica D, et al. **Scand J Clin Lab Invest** 1987 May;47(3):239-45

Persistent hyperamylasemia in a patient with ascites. Hudson DA, et al. **South Med J** 1987 Jun;80(6):791-2

Alkaline phosphatase isoenzymes in the differential diagnosis of cholestasis. Jain AK, et al. **Trop Gastroenterol** 1986 Apr-May;7(2):65-70

Comparison of CA 125 and placental alkaline phosphatase as ovarian tumor markers. Heinonen PK, et al. **Tumori** 1987 Jun 30;73(3):301-2

[Gamma-glutamyltransferase isoenzymes in healthy pregnant women] Petrova V, et al. **Akush Ginekol (Sofiia)** 1987; 26(2):7-9 (Eng. Abstr.) **(Bul)**

[Serum enzymes in hypothyroidism] Petkova M, et al. **Vutr Boles** 1987;26(2):73-9 (Eng. Abstr.) **(Bul)**

[Assessment of the diagnostic value of gamma-GT isoenzyme in hepatocellular carcinoma] Sun HY, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Jun;25(6):341-3, 381 (Eng. Abstr.) **(Chi)**

[Effects of soman, VX and 5-(1,3,3-trimethyl)indolinyl-N,N-dimethyl carbamate on cholinesterase isoenzymes in mouse plasma] Hao XY, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jul;7(4):303-7 (Eng. Abstr.) **(Chi)**

[The effect of intravenous infusion of glucose, amino acids and calcium on the activity of serum amylase isoenzymes] Skrha J, et al. **Cas Lek Cesk** 1986 Oct 3;125(40):1244-8 (Eng. Abstr.) **(Cze)**

[Simultaneous staining of the isoenzymes of adenylate kinase, adenosine deaminase and 6-phosphogluconate dehydrogenase] Droese B, et al. **Z Med Lab Diagn** 1987; 28(1):58-60 **(Ger)**

[Use of immunologic isoenzyme diagnosis and its limits] Pfleiderer G. **Z Med Lab Diagn** 1986;27(8):420-5 **(Ger)**

[Isoenzyme determinations as aids in the identification of biological traces] Oya M, et al. **Z Rechtsmed** 1986; 96(4):309-12 (Eng. Abstr.) **(Ger)**

[Transient hyperphosphatasemia in childhood. 4 new cases and review of the literature] Bosio M, et al. **Pediatr Med Chir** 1986 Mar-Apr;8(2):221-4 (Eng. Abstr.) **(Ita)**

[Evaluation of gamma-enolase as a tumor marker for lung cancer] Fujita K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 May; 24(5):513-21 (Eng. Abstr.) **(Jpn)**

[Clinical tests for the diagnosis of bone metastasis of prostatic cancer. B. Serum alkaline phosphatase and its isoenzymes] Iino S. **Rinsho Byori** 1986 Jul;34 Spec No 68:136-46 **(Jpn)**

[Clinical significance of glycylproline dipeptidyl aminopeptidase activity and isoenzyme patterns in the sera of patients with liver diseases] Matsuda Y, et al. **Rinsho Byori** 1986 Aug;34(8):981-5 **(Jpn)**

[Enzyme activity and isozymes] Nagamine M. **Rinsho Byori** 1987 Jan;35(1):17-25 **(Jpn)**

[Clinical evaluation and measurement of plasma prostatic acid phosphatase by solid phase enzyme immunoassay] Okabe H, et al. **Rinsho Byori** 1986 Jul;34(7):805-10 **(Jpn)**

[Liver function tests: analysis of serum isoenzymes—GOT, LDH, ALP, gamma-GTP and ChE] Suzuki H. **Rinsho Byori** 1986 Jun;34 Spec No 67:51-7 (10 ref.) **(Jpn)**

[Effect of coal dust on serum urocaninase and aspartate aminotransferase isoenzyme activity] Altynbekov BE, et al. **Gig Tr Prof Zabol** 1986 Sep;(9):47-8 **(Rus)**

[Criteria for assessing the adequacy of a hypotensive effect by data on the lactate dehydrogenase and cytochrome oxidase isoenzyme spectra of patients with different forms of arterial hypertension] Kulichenko LL, et al. **Kardiologiia** 1987 Apr;27(4):86-9 (Eng. Abstr.) **(Rus)**

[Serum amylase isoenzymes: their sources and clinical value of their determination (review of the literature)] Gromashevskaia LL, et al. **Lab Delo** 1986;(8):451-7 (59 ref.) **(Rus)**

[Thermostable placental alkaline phosphatase in the clinical evaluation of processes of regeneration] Miroshnikov VM, et al. **Lab Delo** 1986;(9):528-31 (Eng. Abstr.) **(Rus)**

[Type A aldolase activity of the serum of myocardial infarct patients] Stepanova NG, et al. **Lab Delo** 1987;(3):192-6 (Eng. Abstr.) **(Rus)**

[Alkaline phosphatase isoenzymes of patients with suppurative-inflammatory diseases of the maxillofacial region] Kulikova VS, et al. **Stomatologiia (Mosk)** 1987 Jan-Feb;66(1):40-1 (Eng. Abstr.) **(Rus)**

[Separation of glycogen phosphorylase isoenzymes using electrophoresis in acetate cellulose] Filippov IK, et al. **Vopr Med Khim** 1986 Sep-Oct;32(5):134-6 (Eng. Abstr.) **(Rus)**

[Evaluation of the specificity of specificity of prostate-specific antigen (PSA) and prostatic acid phosphatase (PAP) in prostate pathology] Morote Robles J, et al. **Actas Urol Esp** 1987 Mar-Apr;11(2):176-9 (Eng. Abstr.) **(Spa)**

[Benign familial hyperphosphatasemia: apropos of a case (letter)] Rico H, et al. **Rev Clin Esp** 1987 May;180(8):465-6 **(Spa)**

CEREBROSPINAL FLUID

Acetylcholinesterase activity in cerebrospinal fluid of patients with Alzheimer's disease and senile dementia. Nakano S, et al. **J Neurol Sci** 1986 Sep;75(2):213-23

CSF brain creatine kinase levels and lactic acidosis in severe head injury. Rabow L, et al. **J Neurosurg** 1986 Nov; 65(5):625-9

DEFICIENCY

13C-ethanol and 13C-acetate breath tests in normal and aldehyde dehydrogenase deficient individuals. Lehmann WD, et al. **Alcohol** 1986 Jul-Aug;3(4):227-31

The molecular basis of the inherited deficiency of androsterone UDP-glucuronyltransferase in Wistar rats. Corser RB, et al. **FEBS Lett** 1987 Mar 23;213(2):448-52

Defective induction of phenol glucuronidation by 3-methylcholanthrene in Gunn rats is due to the absence of a specific UDP-glucuronosyltransferase isoenzyme. Coughtrie MW, et al. **Mol Pharmacol** 1987 Jun;31(6):585-91

Aryl sulphatase isoenzymes of chorionic villi: implications for prenatal diagnosis. Giles L, et al. **Prenat Diagn** 1987 May;7(4):245-52

DIAGNOSTIC USE

Long-term storage of peroxidase-labelled immunoglobulins for use in enzyme immunoassay. Montoya A, et al. **J Immunol Methods** 1987 May 4;99(1):13-20

GENETICS

Two new variants of glucose-6-phosphate dehydrogenase associated with hereditary non-spherocytic hemolytic anemia: G6PD Wayne and G6PD Huron. Ravindranath Y, et al. **Am J Hematol** 1987 Apr;24(4):357-63

Tissue-specific expression of human arylsulfatase-C isozymes and steroid sulfatase. Munroe DG, et al. **Am J Hum Genet** 1987 Feb;40(2):102-14

Divergent isoenzyme profiles of sylvatic and domiciliary Trypanosoma cruzi in the eastern plains, piedmont, and highlands of Colombia. Saravia NG, et al. **Am J Trop Med Hyg** 1987 Jan;36(1):59-69

Differential expression of the genes for the mitochondrial and cytosolic forms of phosphoenolpyruvate carboxykinase. Hod Y, et al. **Ann NY Acad Sci** 1986; 478:31-45 (102 ref.)

A regulatory polymorphism for rat hepatic cytochrome P-450g. Rampersaud A, et al. **Arch Biochem Biophys** 1987 Jan;252(1):145-51

6-PGD types in the Polish population. Halasa J, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(2):139-42

AK phenotypic changes observed in some hematologic diseases. Schlesinger D, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(2):175-81

Allozyme genotypes of Drosophila buzzatii: feeding and oviposition preferences for microbial species, and habitat selection. Barker JS, et al. **Aust J Biol Sci** 1986;39(1):47-58

The human beta 3 alcohol dehydrogenase subunit differs from beta 1 by a Cys for Arg-369 substitution which decreases NAD(H) binding. Burnell JC, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1127-33

Transcriptional control of the inducible nitrate reductase isoform from soybeans. Smarrelli J Jr, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1160-5

Tissue distribution of mRNAs encoding the alpha isoforms and beta subunit of rat Na+,K+-ATPase. Young RM, et al. **Biochem Biophys Res Commun** 1987 May 29; 145(1):52-8

Historical effective size and the level of genetic diversity in Drosophila melanogaster and Drosophila pseudoobscura. Choudhary M, et al. **Biochem Genet** 1987 Feb;25(1-2):41-51

Molecular cloning of two cysteine proteinases from paw-paw (Carica papaya). McKee RA, et al. **Biochem J** 1986 Jul 1;237(1):105-10

The W and L allelic forms of phenylalanine hydroxylase in the rat differ by a threonine to isoleucine substitution. Mercer JF, et al. **Biochem J** 1986 Jun 15;236(3):679-83

The cloning and expression of the aroL gene from Escherichia coli K12. Purification and complete amino acid sequence of shikimate kinase II, the aroL-gene product. Millar G, et al. **Biochem J** 1986 Jul 15;237(2):427-37

A novel approach to study of the structural basis of enzyme polymorphism. Analysis of carboxylesterase B of Escherichia coli as model. Picard B, et al. **Biochem J** 1987 Feb 1;241(3):877-81

Hexokinase isoenzymes of RIN-m5F insulinoma cells. Expression of glucokinase gene in insulin-producing cells. Vischer U, et al. **Biochem J** 1987 Jan 1;241(1):249-55

Molecular cloning of three distinct forms of the Na+,K+-ATPase alpha-subunit from rat brain. Shull GE, et al. **Biochemistry** 1986 Dec 16;25(25):8125-32

Mephenytoin-type polymorphism of drug oxidation:

purification and characterization of a human liver cytochrome P-450 isozyme catalyzing microsomal mephenytoin hydroxylation. Gut J, et al. **Biochim Biophys Acta** 1986 Dec 10;884(3):435-47

Genetic identification of rat liver carboxylesterases isolated in different laboratories. Mentlein R, et al. **Biochim Biophys Acta** 1987 May 27;913(1):27-38

The complete amino acid sequence of the human aldolase C isozyme derived from genomic clones. Rottmann WH, et al. **Biochimie** 1987 Feb;69(2):137-45

Variability in the effect of alcohol on alcohol metabolizing enzymes may determine relative sensitivity to alcohols: a new hypothesis. Singh SM. **Can J Genet Cytol** 1986 Oct; 28(5):789-95

Isozymes of glucosephosphate isomerase (PGI) in fishes of the subclass actinopterygii. Coppes Z. **Comp Biochem Physiol [B]** 1986;84(4):575-88

The gene for human carbonic anhydrase II (CA2) is located at chromosome 8q22. Nakai H, et al. **Cytogenet Cell Genet** 1987;44(4):234-5

Tissue-specific expression of porphobilinogen deaminase. Two isoenzymes from a single gene. Grandchamp B, et al. **Eur J Biochem** 1987 Jan 2;162(1):105-10

Dietary and hormonal regulation of L-type pyruvate kinase gene expression in rat small intestine. Ogier H, et al. **Eur J Biochem** 1987 Jul 15;166(2):365-70

alpha-L-fucosidase phenotyping in human tissues, dental pulps and hair roots. Kido A, et al. **Forensic Sci Int** 1987 Jan;33(1):53-9

Genetic analysis of liver neuraminidase isozymes in Rattus norvegicus: independent control of NEU-1 and NEU-2 phenotypes. Samollow PB, et al. **Genetics** 1986 Sep; 114(1):247-58

The cloning and mapping of ADR6, a gene required for sporulation and for expression of the alcohol dehydrogenase II isozyme from Saccharomyces cerevisiae. Taguchi AK, et al. **Genetics** 1987 Aug;116(4):531-40

The identification and characterization of ADR6, a gene required for sporulation and for expression of the alcohol dehydrogenase II isozyme from Saccharomyces cerevisiae. Taguchi AK, et al. **Genetics** 1987 Aug;116(4):523-30

Three new G6PD variants, G6PD Adana, G6PD Samandağ, and G6PD Balcali in Cukurova, Turkey. Aksoy K, et al. **Hum Genet** 1987 Jun;76(2):199-201

PGI*3(Israel), a new, unstable allele in the phosphoglucose isomerase system. Bonné-Tamir B, et al. **Hum Genet** 1987 Sep;77(1):76-9

Molecular gene mapping of human aldolase A (ALDOA) gene to chromosome 16. Kukita A, et al. **Hum Genet** 1987 May;76(1):20-6

A null allele of esterase D is a marker for genetic events in retinoblastoma formation. Lee WH, et al. **Hum Genet** 1987 May;76(1):33-6

Proceedings of the 5th International Congress on Isozymes. Kos, Greece, May 26-29, 1986. 2. Genetics, development, and evolution. **Isozymes Curr Top Biol Med Res** 1987; 15:1-282

Agriculture, physiology, and medicine. Proceedings of the 5th International Congress on Isozymes. 3. Kos, Greece, May 26-29, 1986. **Isozymes Curr Top Biol Med Res** 1987; 16:1-281

Human aldehyde dehydrogenase isozymes and alcohol sensitivity. Agarwal DP, et al. **Isozymes Curr Top Biol Med Res** 1987;16:21-48

Isozyme and HSP gene expression during male gametophyte development in maize. Frova C, et al. **Isozymes Curr Top Biol Med Res** 1987;15:97-120

Glyoxysomal and mitochondrial malate dehydrogenase in watermelon cotyledons. Gietl C, et al. **Isozymes Curr Top Biol Med Res** 1987;16:175-92

Baboon alcohol dehydrogenase isozymes: phenotypic changes in liver following chronic consumption of alcohol. Holmes RS, et al. **Isozymes Curr Top Biol Med Res** 1987; 16:1-20

Structure and expression of human and rat aldolase isozyme genes: multiple mRNA species of aldolase A produced from a single gene. Hori K, et al. **Isozymes Curr Top Biol Med Res** 1987;14:153-75 (35 ref.)

Recent improvements in handling allelic isozyme data for tree construction. Krimbas CB, et al. **Isozymes Curr Top Biol Med Res** 1987;15:49-62

Comparison of chloroplast and cytosolic Cu/Zn superoxide dismutase isozymes from tomato in relation to superoxide dismutase evolution. Kwiatowski J. **Isozymes Curr Top Biol Med Res** 1987;15:121-39 (64 ref.)

The use of isozyme loci as markers in transferring genes for disease resistance in plants. McMillin DE, et al. **Isozymes Curr Top Biol Med Res** 1987;16:145-55

Isozymes and the regulatory structure of the genome. Markert CL. **Isozymes Curr Top Biol Med Res** 1987;14:1-17 (41 ref.)

Isozymes in the ciliated protozoan Tetrahymena. Meyer EB, et al. **Isozymes Curr Top Biol Med Res** 1987;13:61-101

Genetics, expression, and modification in the human alkaline phosphatases. Moss DW. **Isozymes Curr Top Biol Med Res** 1987;16:67-80

Plant genetic resources: prediction by isozyme markers and ecology. Nevo E. **Isozymes Curr Top Biol Med Res** 1987; 16:247-67

Mapping of isozyme and protein loci in barley. Nielsen G, et al. **Isozymes Curr Top Biol Med Res** 1987;15:77-95 (60 ref.)

Regulation and structure of isozymes of sugar phosphate metabolism in plants. Schnarrenberger C. **Isozymes Curr Top Biol Med Res** 1987;16:223-40

Genetic map of the American mink: gene conservation and organization of chromosomes. Serov OL, et al. **Isozymes Curr Top Biol Med Res** 1987;15:179-215 (67 ref.)

Isozymes in plant breeding. Tsaftaris AS. **Isozymes Curr Top Biol Med Res** 1987;13:103-25

F1 heterosis and heterozygosity for isozymic structural loci in maize. Tsaftaris AS, et al. **Isozymes Curr Top Biol Med Res** 1987;16:157-74

Tissue-specific and developmentally specific controls involved in rat aldolase B gene expression. Tsutsumi K, et al. **Isozymes Curr Top Biol Med Res** 1987;14:177-93 (29 ref.)

X-linked gene expression and X-chromosome inactivation: marsupials, mouse, and man compared. VandeBerg JL, et al. **Isozymes Curr Top Biol Med Res** 1987;15:225-53 (82 ref.)

Molecular genetics of carbonic anhydrase isozymes. Venta PJ, et al. **Isozymes Curr Top Biol Med Res** 1987;14:59-72 (27 ref.)

The effect of heavy metals on isozyme gene expression in Silene cucubalus. Verkleij JA, et al. **Isozymes Curr Top Biol Med Res** 1987;16:209-21

Allelic isozymes as probes of the evolution of metabolic organization. Watt WB, et al. **Isozymes Curr Top Biol Med Res** 1987;15:27-47 (59 ref.)

Sensitive techniques for the detection of genetic variation in human isozymes. Whitehouse DB, et al. **Isozymes Curr Top Biol Med Res** 1987;16:101-24

Species differences in isozyme tissue patterns: their utility for systematic and evolutionary analyses. Whitt GS. **Isozymes Curr Top Biol Med Res** 1987;15:1-26 (69 ref.)

The use of allelic isozyme variation for the study of heterosis. Zouros E, et al. **Isozymes Curr Top Biol Med Res** 1987; 13:1-59

On the relation between heterozygosity and heterosis: an evaluation of the evidence from marine mollusks. Zouros E. **Isozymes Curr Top Biol Med Res** 1987;15:255-70 (29 ref.)

Organization of phosphoribulokinase and ribulose bisphosphate carboxylase/oxygenase genes in Rhodopseudomonas (Rhodobacter) sphaeroides. Gibson JL, et al. **J Bacteriol** 1987 Aug;169(8):3685-90

Control of sensitivity to inactivation by H2O2 and broad-spectrum near-UV radiation by the Escherichia coli katF locus. Sammartano LJ, et al. **J Bacteriol** 1986 Oct; 168(1):13-21

DNA methylation and the regulation of aldolase B gene expression. Daimon M, et al. **J Biochem (Tokyo)** 1986 Nov; 100(5):1279-86

Adult forms of the Ca2+ATPase of sarcoplasmic reticulum. Expression in developing skeletal muscle. Brandl CJ, et al. **J Biol Chem** 1987 Mar 15;262(8):3768-74

Cloning and characterization of cDNA encoding 3-methylcholanthrene inducible rat mRNA for UDP-glucuronosyltransferase. Iyanagi T, et al. **J Biol Chem** 1986 Nov 25;261(33):15607-14

A cDNA encoding protein kinase C identifies two species of mRNA in brain and GH3 cells. Makowske M, et al. **J Biol Chem** 1986 Oct 15;261(29):13389-92

The M1- and M2-type isozymes of rat pyruvate kinase are produced from the same gene by alternative RNA splicing. Noguchi T, et al. **J Biol Chem** 1986 Oct 15; 261(29):13807-12

Cloning and sequence analysis of mRNA for mouse aspartate aminotransferase isoenzymes [published erratum appears in J Biol Chem 1987 Apr 15;262(11):5431] Obaru K, et al. **J Biol Chem** 1986 Dec 25;261(36):16976-83

Mapping of genes for cytochromes P-450b, P-450e, P-450g, and P-450h in the rat. Demonstration of two gene clusters with P450-b,e localized on chromosome 1. Rampersaud A, et al. **J Biol Chem** 1987 Apr 25;262(12):5649-53

Evidence for a second isoform of the catalytic subunit of cAMP-dependent protein kinase [published erratum appears in J Biol Chem 1987 Apr 15;262(11):5431] Uhler MD, et al. **J Biol Chem** 1986 Nov 25;261(33):15360-3

Mitochondrial and cytoplasmic fumarases in Saccharomyces cerevisiae are encoded by a single nuclear gene FUM1. Wu M, et al. **J Biol Chem** 1987 Sep 5;262(25):12275-82

Structural analysis and specific expression of microsomal cytochrome P-450(M-1) mRNA in male rat livers [published erratm appears in J Biol Chem 1986 Jun 15;262(17):8438] Yoshioka H, et al. **J Biol Chem** 1987 Feb 5;262(4):1706-11

Inheritance and linkage of isozyme variants in incense-cedar. Harry DE. **J Hered** 1986 Jul-Aug;77(4):261-6

Re-evaluation of LG V of the rat and assignment of 12 carboxylesterases to two gene clusters. Hedrich HJ, et al. **J Hered** 1987 Mar-Apr;78(2):92-6

Cytogenetic and isozyme profile of Sabethes cyaneus: a mosquito of the neotropical canopy. Munstermann LE, et al. **J Hered** 1986 Jul-Aug;77(4):241-8

Gene mapping of isozyme loci in chum salmon. Seeb JE, et al. **J Hered** 1986 Nov-Dec;77(6):399-402

The complete amino acid sequences of cytosolic and mitochondrial aspartate aminotransferases from horse heart, and inferences on evolution of the isoenzymes. Doonan S, et al. **J Mol Evol** 1986;23(4):328-35

Developmental changes in levels of translatable mRNAs for enolase isozymes in chicken brain. Tanaka M, et al. **J Neurochem** 1986 Nov;47(5):1523-6

Genotype frequency differences in Halipegus occidualis-infected and uninfected Helisoma anceps. Mulvey M, et al. **J Parasitol** 1987 Aug;73(4):757-61

Gene frequencies of S-formylglutathione hydrolase isozyme in a Japanese population. Akiyama K, et al. **Jinrui Idengaku Zasshi** 1986 Dec;31(4):353-6

Cloning of the ARO3 gene of Saccharomyces cerevisiae and its regulation. Teshiba S, et al. **MGG** 1986 Nov;205(2):353-7

Alternative RNA splicing generates transcripts encoding a thorax-specific isoform of Drosophila melanogaster myosin heavy chain. Bernstein SI, et al. **Mol Cell Biol** 1986 Jul; 6(7):2511-9

Simultaneous expression of salivary and pancreatic amylase genes in cultured mouse hepatoma cells. Darlington GJ, et al. **Mol Cell Biol** 1986 Apr;6(4):969-75

Pregnenolone 16 alpha-carbonitrile-inducible P-450 gene family: gene conversion and differential regulation. Gonzalez FJ, et al. **Mol Cell Biol** 1986 Aug;6(8):2969-76

Tissue-specific expression of the mouse dioxin-inducible P(1)450 and P(3)450 genes: differential transcriptional activation and mRNA stability in liver and extrahepatic tissues. Kimura S, et al. **Mol Cell Biol** 1986 May;6(5):1471-7

Primary structure requirements for correct sorting of the yeast mitochondrial protein ADH III to the yeast mitochondrial matrix space. Pilgrim D, et al. **Mol Cell Biol** 1987 Jan;7(1):294-304

Effect of irradiation and mutagenic chemicals on the generation of ADH2-constitutive mutants in yeast. Significance for the inducibility of Ty transposition. Morawetz C. **Mutat Res** 1987 Mar;177(1):53-60

Development of DNA probes to investigate genetic variation of alcohol metabolizing enzymes. Smith M, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;66:50-6

Localization of neuron-specific enolase (NSE) mRNA in human brain. Schmechel DE, et al. **Neurosci Lett** 1987 May 6;76(2):233-8

Isolation of a cDNA clone and localization of human glutathione S-transferase 2 genes to chromosome band 6p12. Board PG, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2377-81

Mammalian alcohol dehydrogenases of separate classes: intermediates between different enzymes and intraclass isozymes. Jörnvall H, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2580-4

cDNA and derived amino acid sequence of ethanol-inducible rabbit liver cytochrome P-450 isozyme 3a (P-450ALC). Khani SC, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(3):638-42

Molecular cloning of a brain-specific calcium/calmodulin-dependent protein kinase. Lin CR, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5962-6

Epitopes of human testis-specific lactate dehydrogenase deduced from a cDNA sequence. Millan JL, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5311-5

Genetic variation in alcohol metabolizing enzymes: implications in alcohol use and abuse. Agarwal DP, et al. **Prog Clin Biol Res** 1987;241:121-39

Biochemistry and genetics of enzymes of alcohol metabolism. The mouse animal model. Holmes RS. **Prog Clin Biol Res** 1987;241:141-57

Neuronal pp60c-src contains a six-amino acid insertion relative to its non-neuronal counterpart. Martinez R, et al. **Science** 1987 Jul 24;237(4813):411-5

Regional localization of carbonic anhydrase genes CA1 and CA3 on human chromosome 8. Davis MB, et al. **Somatic Cell Mol Genet** 1987 Mar;13(2):173-8

Leishmania in the Old World: 3. The distribution of L. aethiopica zymodemes. Le Blancq SM, et al. **Trans R Soc Trop Med Hyg** 1986;80(3):360-6

Leishmania in the Old World: 4. The distribution of L. donovani sensu lato zymodemes. Le Blancq SM, et al. **Trans R Soc Trop Med Hyg** 1986;80(3):367-77

Trypanosoma cruzi: zymodemes associated with acute and chronic Chagas' disease in central Brazil. Luquetti AO, et al. **Trans R Soc Trop Med Hyg** 1986;80(3):462-70

Additional data on Trypanosoma cruzi isozymic strains encountered in Bolivian domestic transmission cycles. Tibayrenc M, et al. **Trans R Soc Trop Med Hyg** 1986; 80(3):442-7

[High correlation between isoenzyme classification and kinetoplast DNA variability in Trypanosoma cruzi] Tibayrenc M, et al. **C R Acad Sci [III]** 1987;304(4):89-92 (Eng. Abstr.) (Fre)

[Population-genetic study of Drosophila melanogaster from the Seychelles: frequency of alleles of allozyme loci and morpho-physiological traits] Bashkirov VN, et al. **Dokl Akad Nauk SSSR** 1987 Jan-Feb;292(1):215-20 (Rus)

[Biotransformation of sparteine in the Cuna American Indians of Panama] Arias TD, et al. **Rev Med Panama** 1986 Sep; 11(3):199-209 (Eng. Abstr.) (Spa)

IMMUNOLOGY

Placental alkaline phosphatase immunoreactivity in testicular germ-cell neoplasms. Manivel JC, et al. **Am J Surg Pathol** 1987 Jan;11(1):21-9

Human monoclonal antibody recognizing liver-type aldolase B. Hibi N, et al. **Biochem J** 1986 Dec 15;240(3):847-56

Immunological properties of myosin light-chain kinases. de Lanerolle P, et al. **Biochim Biophys Acta** 1987 Jul 24; 914(1):74-82

Human erythrocyte pyruvate kinase (L'/R-PK): production and characterization of a monoclonal antibody. Heinrichs M, et al. **Biomed Biochim Acta** 1987;46(2-3):S223-8

A monoclonal antibody that specifically inhibits human salivary alpha-amylase. Gerber M, et al. **Clin Chem** 1987 Jul;33(7):1158-62

Sandwich electroimmunofixation (SEIF) for the assessment of isoenzyme specificities of immunoglobulins isolated from enzyme-immunoglobulin complexes. Kanemitsu F, et al. **Clin Chim Acta** 1986 Oct 15;160(1):27-35

Characterization of immunoglobulin A kappa autoantibodies to human lactate dehydrogenase isoenzyme-3. Weijers RN, et al. **Clin Immunol Immunopathol** 1987 Jan;42(1):110-22

Relationship between the two immunologically distinguishable forms of glucocerebrosidase in tissue extracts. Aerts JM, et al. **Eur J Biochem** 1987 Mar 16; 163(3):583-9

Expression of FMC7 antigen and tartrate-resistant acid phosphatase isoenzyme in cases of B-lymphoproliferative diseases. Drexler HG, et al. **Eur J Cancer Clin Oncol** 1987 Jan;23(1):61-8

Cloning and nucleotide sequence of heavy- and light-chain cDNAs from a creatine-kinase-specific monoclonal antibody. Buckel P, et al. **Gene** 1987;51(1):13-9

A simple, non-chromatographic purification procedure for monoclonal antibodies. Isolation of monoclonal antibodies against cytochrome P450 isozymes. Reik LM, et al. **J Immunol Methods** 1987 Jun 26;100(1-2):123-30

A hidden antigenic determinant on membrane-bound human placental alkaline phosphatase. Stigbrand T, et al. **Tumour Biol** 1987;8(1):34-44

ISOLATION & PURIFICATION

Purification of human liver aldehyde dehydrogenase by high-performance liquid chromatography and identification of isoenzymes by immunoblotting. Johnson CT, et al. **Alcoholism (NY)** 1987 Feb;11(1):60-5

Isoenzyme patterns of Entamoeba histolytica isolates from asymptomatic carriers: use of gradient acrylamide gels. Meza I, et al. **Am J Trop Med Hyg** 1986 Nov;35(6):1134-9

Identification of different molecular forms of human airway lysozyme. Jacquot J, et al. **Anal Biochem** 1987 Jan; 160(1):227-32

Separation of human from mouse and monkey adenosine deaminase by ion-exchange chromatography following retroviral-mediated gene transfer. McLachlin JR, et al. **Anal Biochem** 1987 May 15;163(1):143-50

Purification and characterization of the dog hepatic cytochrome P-450 isozyme responsible for the metabolism of 2,2',4,4',5,5'-hexachlorobiphenyl. Duignan DB, et al. **Arch Biochem Biophys** 1987 Jun;255(2):290-303

The purification and characterization of glutathione S-transferase from the hepatopancreas of the blue crab, Callinectes sapidus. Keeran WS, et al. **Arch Biochem Biophys** 1987 Jun;255(2):233-43

Rat alkaline phosphatase. II. Structural similarities between the osteosarcoma, bone, kidney, and placenta isoenzymes. Nair BC, et al. **Arch Biochem Biophys** 1987 Apr; 254(1):28-34

Separation of two isozymes of polyamine oxidase from murine L1210 leukemia cells. Libby PR, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):528-35

Purification and characterization of catalase HPII from Escherichia coli K12. Loewen PC, et al. **Biochem Cell Biol** 1986 Jul;64(7):638-46

Fractionation and purification of hepatic microsomal cytochrome P-450 isoenzymes from phenobarbital-pretreated rats by h.p.l.c. A convenient tool for screening of isoenzymes inactivated by allylisopropylacetamide. Bornheim LM, et al. **Biochem J** 1986 Nov 1;239(3):661-9

Demonstration of RNA polymerase multiplicity in Trypanosoma brucei. Characterization and purification of alpha-amanitin-resistant and -sensitive enzymes. Earnshaw DL, et al. **Biochem J** 1987 Feb 1;241(3):649-55

Anomalous electrophoretic behaviour of the glutathione S-transferase Ya and Yk subunits isolated from man and rodents. A potential pitfall for nomenclature. Hayes JD, et al. **Biochem J** 1986 Aug 1;237(3):731-40

Isolation of two differentially glycosylated forms of peptidyl-dipeptidase A (angiotensin converting enzyme) from pig brain: a re-evaluation of their role in neuropeptide metabolism. Hooper NM, et al. **Biochem J** 1987 Feb 1; 241(3):625-33

Purification of the phosphorylated night form and dephosphorylated day form of phosphoenolpyruvate carboxylase from Bryophyllum fedtschenkoi. Nimmo GA, et al. **Biochem J** 1986 Oct 1;239(1):213-20

H.p.l.c. separation and study of the charge isomers of human placental glutathione transferase. Radulovic LL, et al. **Biochem J** 1986 Oct 1;239(1):53-7

Purification and characterization of alpha-amylase from rat pancreatic acinar carcinoma. Comparison with pancreatic alpha-amylase. Reddy MK, et al. **Biochem J** 1987 Mar 15; 242(3):681-7

Purification procedure and N-terminal amino acid sequence of yeast malate dehydrogenase isoenzymes. Kopetzki E, et al. **Biochim Biophys Acta** 1987 Apr 30;912(3):398-403

Purification and properties of two multiple forms of dihydrodiol dehydrogenase from guinea-pig testis. Matsuura K, et al. **Biochim Biophys Acta** 1987 Apr 8; 912(2):270-7

Purification and characterization of two forms of glyoxalase II from the liver and brain of Wistar rats. Principato GB, et al. **Biochim Biophys Acta** 1987 Feb 25;911(3):349-55

Isolation of two forms of carboxylester lipase (cholesterol esterase) from porcine pancreas. Rudd EA, et al. **Biochim Biophys Acta** 1987 Apr 3;918(2):106-14

Bovine cytochrome c oxidases, purified from heart, skeletal muscle, liver and kidney, differ in the small subunits but show the same reaction kinetics with cytochrome c. Sinjorgo KM, et al. **Biochim Biophys Acta** 1987 Sep 10; 893(2):251-8

Human cytochrome c oxidase isoenzymes from heart and skeletal muscle; purification and properties. Sinjorgo KM, et al. **Biochim Biophys Acta** 1987 Feb 11;890(2):144-50

Existence of multiple forms of cytochrome P-450sce purified from bovine adrenocortical mitochondria. Tsubaki M, et al. **Biochim Biophys Acta** 1987 Aug 21;914(3):246-58

Structural characterization of the isoenzymatic forms of human myeloperoxidase. Wright J, et al. **Biochim Biophys Acta** 1987 Sep 2;915(1):68-76

Characterization of the isozymes of bovine adrenal medullary phenylethanolamine N-methyltransferase. Wong DL, et al. **Brain Res** 1987 Apr 28;410(1):32-44

Serum alkaline phosphatase isoenzymes in hepatobiliary disorders resolved by use of immobilized pH gradients. Sorroche P, et al. **Clin Chem** 1987 May;33(5):653-7

Microheterogeneity of Kasahara isozyme. Hada T, et al. **Clin Chim Acta** 1986 Aug 30;159(1):37-43

Placental alkaline phosphatase in an omental tumor. Miura M, et al. **Clin Chim Acta** 1986 Aug 30;159(1):83-8

beta-N-acetyl-D-glucosaminidase isoenzymes from human amnionic membranes. Orlacchio A, et al. **Clin Chim Acta** 1986 Sep 30;159(3):279-89

Isolation and characterization of the two active fractions from porcine brain phosphofructokinase purified by affinity chromatography. Hachimori A, et al. **Comp Biochem Physiol [B]** 1986;85(1):105-11

Catfish liver acid phosphatases: differently glycosylated enzyme molecules with altered kinetic properties. Janska H, et al. **Comp Biochem Physiol [B]** 1986;85(4):753-8

Metabolism of glycerate 2,3-P2--XII. Characterization of the 2,3-bisphosphoglycerate synthase-phosphatase and of the hybrid phosphoglycerate mutase/2,3-bisphosphoglycerate synthase-phosphatase from pig brain. Tauler A, et al. **Comp Biochem Physiol [B]** 1987;87(1):117-24

Cytochrome P-450 isozymes 2 and 5 in rabbit lung and liver. Comparisons of structure and inducibility. Parandoosh Z, et al. **Drug Metab Dispos** 1987 Jan-Feb;15(1):59-67

Purification, characterization and origin of rat gastric peroxidase. De SK, et al. **Eur J Biochem** 1986 Oct 15; 160(2):319-25

Identification of two isoenzymes of protein phosphatase 2C in both rabbit skeletal muscle and liver. McGowan CH, et al. **Eur J Biochem** 1987 Aug 3;166(3):713-21

The phosphoglycerate kinases from Trypanosoma brucei. A comparison of the glycosomal and the cytosolic isoenzymes and their sensitivity towards suramin. Misset O, et al. **Eur J Biochem** 1987 Feb 2;162(3):493-500

Glyceraldehyde-phosphate dehydrogenase from Trypanosoma brucei. Comparison of the glycosomal and cytosolic isoenzymes. Misset O, et al. **Eur J Biochem** 1987 Feb 2;162(3):501-7

Identification of protein phosphatases-1 and 2A and inhibitor-2 in oocytes of the starfish Asterias rubens and Marthasterias glacialis. Pondaven P, et al. **Eur J Biochem** 1987 Aug 17;167(1):135-40

EcoR124 and EcoR124/3: the first members of a new family of type I restriction and modification systems. Price C, et al. **Eur J Biochem** 1987 Aug 17;167(1):111-5

Calmodulin-dependent multifunctional protein kinase. Evidence for isoenzyme forms in mammalian tissues. Shenolikar S, et al. **Eur J Biochem** 1986 Dec 15; 161(3):739-47

Purification of the bovine lens isozymes which reduce fructose diphosphate to sorbitol diphosphate. Srivastava SK, et al. **Exp Eye Res** 1986 Oct;43(4):669-77

Identification of the structures of multiple subspecies of protein kinase C expressed in rat brain. Kikkawa U, et al. **FEBS Lett** 1987 Jun 15;217(2):227-31

Superoxide dismutase isozymes of rat lung. Kakkar P, et al. **Indian J Biochem Biophys** 1986 Dec;23(6):339-43

Microheterogeneity of melanosome-bound tyrosinase from the Harding-Passey murine melanoma. Ferrini U, et al. **Int J Biochem** 1987;19(3):227-34

Heterogeneity of acid beta-galactosidase from rabbit kidney. Páez de la Cadena M, et al. **Int J Biochem** 1987;19(8):685-91

Subcellular localization of high- and low-molecular weight acid phosphatases from chicken liver. Panara F, et al. **Int J Biochem** 1986;18(11):1057-9

Purification and properties of two isozymes of pyruvate kinase from Mucor racemosus. Hohn TM, et al. **J Bacteriol** 1987 Aug;169(8):3525-30

Pulmonary microsomal cytochrome P-450 from 3-methylcholanthrene-treated hamsters: purification, characterization, and metabolism of benzo(a)pyrene. Sagami I, et al. **J Biochem (Tokyo)** 1986 Aug;100(2):449-57

Isozymes of S-adenosylmethionine synthetase from rat liver: isolation and characterization. Suma Y, et al. **J Biochem (Tokyo)** 1986 Jul;100(1):67-75

Purification and characterization of the beta-adrenergic receptor kinase. Benovic JL, et al. **J Biol Chem** 1987 Jul 5;262(19):9026-32

Ganglioside-modulated protein phosphorylation. Partial purification and characterization of a ganglioside-stimulated protein kinase in brain. Chan KF. **J Biol Chem** 1987 Apr 15;262(11):5248-55

Actinomycin synthetases. Multifunctional enzymes responsible for the synthesis of the peptide chains of actinomycin. Keller U. **J Biol Chem** 1987 Apr 25; 262(12):5852-6

Purification and characterization of a high molecular weight type 1 phosphoprotein phosphatase from the human erythrocyte. Kiener PA, et al. **J Biol Chem** 1987 Feb 15; 262(5):2016-24

Purification and characterization of human salivary carbonic anhydrase. Murakami H, et al. **J Biol Chem** 1987 Jan 25; 262(3):1382-8

Immunological distinction between calmodulin-sensitive and calmodulin-insensitive adenylate cyclases. Rosenberg GB, et al. **J Biol Chem** 1987 Jun 5;262(16):7623-8

Purification and characterization of two immunologically distinct phosphoinositide-specific phospholipases C from bovine brain. Ryu SH, et al. **J Biol Chem** 1987 Sep 15; 262(26):12511-8

Isolation and catalytic activity of cytochrome P-450 from ventral prostate of control rats. Sundin M, et al. **J Biol Chem** 1987 Sep 5;262(25):12293-7

Multiple forms of rat liver cysteinesulfinate decarboxylase. Weinstein CL, et al. **J Biol Chem** 1987 May 25; 262(15):7254-63

Isolation and characterization of two distinct forms of protein kinase C. Woodgett JR, et al. **J Biol Chem** 1987 Apr 5; 262(10):4836-43

Cytoplasmic myosin from Drosophila melanogaster. Kiehart DP, et al. **J Cell Biol** 1986 Oct;103(4):1517-25

Rapid chromatographic purification of the mitochondrial isoenzyme of beef heart malate dehydrogenase. Skabrahová Z, et al. **J Chromatogr** 1986 Nov 21;369(2):426-30

Isolation of multiple normal and functionally defective forms of uridine diphosphate-glucuronosyltransferase from inbred Gunn rats. Roy Chowdhury N, et al. **J Clin Invest** 1987 Feb;79(2):327-34

Separation and characterization of four forms of beta-N-acetylhexosaminidase from chicken brain. Rodríguez-Hernández JA, et al. **J Neurochem** 1987 May; 48(5):1340-5

Isoelectric focusing of human platelet phospholipase C: evidence for multimolecular forms. Ebstein RP, et al. **Life Sci** 1987 Jan 12;40(2):161-7

Arylformamidase from Streptomyces parvulus. Katz E, et al. **Methods Enzymol** 1987;142:225-34

Preparation of the flavin-containing aromatic amine oxidases of human placenta and beef liver. Salach JI, et al. **Methods Enzymol** 1987;142:627-37

Purification and properties of tryptophan side chain oxidase types I and II from Pseudomonas. Takai K, et al. **Methods Enzymol** 1987;142:195-217

Immunological evidence for two physiological forms of protein kinase C. Woodgett JR, et al. **Mol Cell Biol** 1987 Jan;7(1):85-96

Purification of placental alkaline phosphatase and its monoclonal antibody. Mano H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Sep; 38(9):1639-46

Polyol dehydrogenase: purification. Evidence for multiple forms and some properties of the dominant variant of the horse liver enzyme. Porter GF, et al. **Prep Biochem** 1987; 17(2):143-55

Purification and characterization of three types of protein kinase C from rabbit brain cytosol. Jaken S, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4418-22

Purification to homogeneity and enzymological characterization of a functional covalent complex composed of cytochromes P-450 isozyme 2 and b5 from rabbit liver. Tamburini PP, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):11-5

Multiple molecular forms of rat liver pantothenate kinase. Halvorsen O, et al. **Scand J Clin Lab Invest [Suppl]** 1986; 184:67-70

[Isolation and purification of human neutrophil elastase] Zhang XH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Oct; 8(5):376-81 (Eng. Abstr.) **(Chi)**

[Separation and visualization of the multiple forms of alcohol dehydrogenase] Peisker K. **Nahrung** 1986;30(10):1051-3 **(Ger)**

[A basic study on human hepatic glutathione S-transferase isozymes] Sugimoto M. **Nippon Shokakibyo Gakkai Zasshi** 1987 Mar;84(3):698-705 (Eng. Abstr.) **(Jpn)**

[Partial separation of allelic forms of N-acetyltransferase from the rabbit liver using a new method of enzyme purification] Kabishev AA, et al. **Biokhimiia** 1987 May; 52(5):761-71 (Eng. Abstr.) **(Rus)**

[Separation and analysis of immunochemical properties of multiple forms of cytochrome P-450 from the rat liver] Nechaev VN, et al. **Biokhimiia** 1986 Nov;51(11):1811-20 (Eng. Abstr.) **(Rus)**

[Peroxidase of propionic acid bacteria] Vorob'eva LI, et al. **Mikrobiologiia** 1986 Sep-Oct;55(5):750-3 (Eng. Abstr.) **(Rus)**

METABOLISM

Biochemical and immunological relationships of prostatic and leukocytic acid phosphatases and their subcellular localization. Zwirner A, et al. **Acta Biochim Pol** 1986; 33(2):127–31

The effect of submaxillariectomy on the uterine peroxidase activity and [14C]phenylalanine incorporation into uterine protein in rats. Banerjee PN, et al. **Acta Endocrinol (Copenh)** 1987 Feb;114(2):208–13

Superoxide dismutase isoenzymes, glutathione peroxidase and selenium in blood from HLA–B27–positive and –negative subjects. Marklund SL, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1987 Jun; 95(3):107–11

Phenobarbital enhances the aldehyde dehydrogenase activity of rat hepatocytes in vitro and in vivo. Marselos M, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Nov;59(5):403–9

An isoelectric focusing study of acid phosphatase heterogeneity in rat liver. Twardowski J, et al. **Acta Physiol Hung** 1987;69(1):85–94

Oncotrophoblast gene expression: placental alkaline phosphatase. Fishman WH. **Adv Cancer Res** 1987;48:1–35 (210 ref.)

Mechanism of synthesis and localization of mitochondrial and cytosolic fumarases in rat liver. Tuboi S, et al. **Adv Enzyme Regul** 1986;25:461–84

The formation of N–glucuronides catalyzed by purified hepatic 17 beta–hydroxysteroid and 3 alpha–hydroxysteroid UDP–glucuronyltransferases. Green MD, et al. **Adv Exp Med Biol** 1986;197:399–405

Further evidence for a role of isozymes of P450 in the metabolism and toxicity of carbon disulfide (CS2). Rubin RJ, et al. **Adv Exp Med Biol** 1986;197:237–42

Age and sex differences in constitutive forms of cytochrome P–450 of rat liver microsomes. Schenkman JB, et al. **Adv Exp Med Biol** 1986;197:107–17

Antibodies as probes of cytochrome P450 isozymes. Thomas PE, et al. **Adv Exp Med Biol** 1986;197:95–106

Multiplicity of cytochrome P–450 in Morris hepatoma. Watanabe M, et al. **Adv Exp Med Biol** 1986;197:203–12

Stereoselectivity of rat liver cytochrome P–450 isozymes: direct determination of enantiomeric composition of K–region epoxides formed in the metabolism of benz[a]anthracene and 7,12–dimethylbenz[a]anthracene. Yang SK, et al. **Adv Exp Med Biol** 1986;197:809–18

Localization of MAO–A and MAO–B in human brain: a step in understanding the therapeutic action of L–deprenyl. Riederer P, et al. **Adv Neurol** 1987;45:111–8

Altered calcium signal transduction after chronic ethanol consumption. Rius RA, et al. **Alcohol** 1986 Jul–Aug; 3(4):233–8

Alcohol dehydrogenase isozymes in baboons: tissue distribution, catalytic properties, and variant phenotypes in liver, kidney, stomach, and testis. Holmes RS, et al. **Alcoholism (NY)** 1986 Dec;10(6):623–30

Enolase isozymes in renal tubules and renal cell carcinoma. Haimoto H, et al. **Am J Pathol** 1986 Sep;124(3):488–95

Uptake of human eosinophil peroxidase by human neutrophils. Zabucchi G, et al. **Am J Pathol** 1986 Sep; 124(3):510–8

Coordinated changes in contractility, energetics, and isomyosins after aortic stenosis. Lecarpentier Y, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):H275–82

Two classes of ouabain binding sites in ferret heart and two forms of Na+–K+–ATPase. Ng YC, et al. **Am J Physiol** 1987 May;252(5 Pt 2):H1016–22

Reversible MM–creatine kinase binding to cardiac myofibrils. Ventura–Clapier R, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):C444–55

High–performance liquid chromatographic assays for bufuralol 1'–hydroxylase, debrisoquine 4–hydroxylase, and dextromethorphan O–demethylase in microsomes and purified cytochrome P–450 isozymes of human liver. Kronbach T, et al. **Anal Biochem** 1987 Apr;162(1):24–32

Nerve–related 3S acetylcholinesterase in murine thymus. Bulloch K, et al. **Ann NY Acad Sci** 1987;496:338–45

Distribution and properties of human alcohol dehydrogenase isoenzymes. Li TK, et al. **Ann NY Acad Sci** 1987;492:1–10

Superoxide dismutase isoenzymes of the synovial fluid in rheumatoid arthritis and in reactive arthritides. Marklund SL, et al. **Ann Rheum Dis** 1986 Oct;45(10):847–51

Studies on the rate–determining factor in testosterone hydroxylation by rat liver microsomal cytochrome P–450: evidence against cytochrome P–450 isozyme:isozyme interactions. Dutton DR, et al. **Arch Biochem Biophys** 1987 Jun;255(2):316–28

Differential expression of cytochrome P–450 1 and related forms in rabbit liver and kidney. Finlayson MJ, et al. **Arch Biochem Biophys** 1987 Jan;252(1):113–20

Post–translational modifications of chloroperoxidase from Caldariomyces fumago. Kenigsberg P, et al. **Arch Biochem Biophys** 1987 May 1;254(2):409–15

The pressure–induced inactivation of mammalian enolases is accompanied by dissociation of the dimeric enzyme. Kornblatt MJ, et al. **Arch Biochem Biophys** 1987 Jan; 252(1):277–83

Dietary regulation of aldolase isozyme expression in rat intestinal mucosa. Sato J, et al. **Arch Biochem Biophys** 1987 Apr;254(1):116–23

Differential expression and function of three closely related phenobarbital–inducible cytochrome P–450 isozymes in untreated rat liver. Wilson NM, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):407–20

Regulation of aspartate aminotransferase isoenzymes by hydrocortisone in the liver of aging rats. Sharma R, et al. **Arch Gerontol Geriatr** 1987 Apr;6(1):27–32

Changes in alkaline–phosphatase isoenzymes of hard tissue origin during facial development in the rat. Granström G, et al. **Arch Oral Biol** 1986;31(8):513–9

Glutathione S–transferase subunits in the mouse and their catalytic activities towards reactive electrophiles. Hayes JD, et al. **Arch Toxicol [Suppl]** 1987;10:136–46

Stability of isolated hepatic aldehyde dehydrogenases from rats in vitro. Schreiner E, et al. **Arzneimittelforschung** 1987 Feb;37(2):181–3

Trehalase isozymes in amniotic fluid. Honda K, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec;12(4):563–8

The influence of myosin isoenzyme pattern on increase in myocardial oxygen consumption induced by catecholamines. Kissling G, et al. **Basic Res Cardiol** 1986; 81 Suppl 1:103–15

Correlation between total catecholamine content and redistribution of myosin isoenzymes in pressure loaded ventricular myocardium of the spontaneously hypertensive rat. Rupp H, et al. **Basic Res Cardiol** 1986;81 Suppl 1:147–55

Effect of phosphorylation by different protein kinases on the behaviour of glycogen synthase as a substrate for hepatic synthase phosphatases. Bollen M, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1033–9

Characterization of two heme oxygenase isoforms in rat spleen: comparison with the hematin–induced and constitutive isoforms of the liver. Braggins PE, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):528–33

Human alcohol dehydrogenases and serotonin metabolism. Consalvi V, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1009–16

Distinct specificities of repressible acid phosphatase from yeast toward phosphoseryl and phosphotyrosyl phosphopeptides. Donella–Deana A, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1202–9

Biochemical and genetic evidence for distinct membrane–bound and cytosolic sialic acid O–acetyl–esterases: serine–active–site enzymes. Higa HH, et al. **Biochem Biophys Res Commun** 1987 May 14; 144(3):1099–108

Phosphorylation of protein tyrosine by human erythrocyte casein kinase A. Lu PW, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):855–60

The rabbit differs from other mammalian in the tissue distribution of alkaline phosphatase isoenzymes. Noguchi T, et al. **Biochem Biophys Res Commun** 1987 Feb 27; 143(1):15–9

Isoenzyme–specific phosphorylation of cytochromes P–450 and other drug metabolizing enzymes. Pyerin W, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):885–92

Identification of a characteristic cytosolic polypeptide of rat preneoplastic hepatocyte nodules as placental glutathione S–transferase. Rushmore TH, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):98–103

Phosphorylation of liver pyruvate kinase by Ca++/calmodulin–dependent protein kinase: characterization of two phosphorylation sites. Soderling TR, et al. **Biochem Biophys Res Commun** 1986 Sep 30; 139(3):1017–23

Cleavage site specificity of vertebrate collagenases. Weingarten H, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1184–7

cAMP–dependent protein kinase isozymes with preference for histone H2B as substrate in mitochondria of bovine heart. Burgess JW, et al. **Biochem Cell Biol** 1987 Feb; 65(2):137–43

Multiple forms of ribonuclease II in mouse liver: relative sizes, subcellular distributions, and pH–activity profiles. Kimball SR, et al. **Biochem Cell Biol** 1987 Jan;65(1):27–34

Distinction between substrate– and enzyme–directed effects of modifiers of rabbit liver phosphorylase a phosphatases. Monanu MO, et al. **Biochem Cell Biol** 1987 Apr; 65(4):293–301

Regulation of cAMP concentration by calmodulin–dependent cyclic nucleotide phosphodiesterase. Sharma RK, et al. **Biochem Cell Biol** 1986 Nov;64(11):1072–80

A survey of tissue–specific isozyme expressions during chicken ontogeny. Lougheed SC, et al. **Biochem Genet** 1987 Apr;25(3–4):275–86

Comparison of the processes involved in reduction by the substrate for two homologous flavocytochromes b2 from different species of yeast. Capeillère–Blandin C, et al. **Biochem J** 1986 Sep 15;238(3):745–56

Species–dependent isoenzyme subtypes of membrane–bound cyclic AMP–dependent protein kinase in highly purified cardiac sarcolemma. Church JG, et al. **Biochem J** 1986 Sep 1;238(2):341–4

Mechanistic origin of the sigmoidal rate behaviour of rat liver hexokinase D ('glucokinase'). Cornish–Bowden A, et al. **Biochem J** 1986 Nov 15;240(1):293–6

Are the rat tissue/organ proportions of 6–phosphofructo–1–kinase subunits strain–specific? Dunaway GA, et al. **Biochem J** 1986 Jul 1;237(1):157–61

Substrate specificity and characterization of rat liver p–nitrophenol, 3 alpha–hydroxysteroid and 17 beta–hydroxysteroid UDP–glucuronosyltransferases. Falany CN, et al. **Biochem J** 1986 Aug 15;238(1):65–73

Studies of the development of basic, neutral and acidic isoenzymes of glutathione S–transferase in human liver, adrenal, kidney and spleen. Faulder CG, et al. **Biochem J** 1987 Jan 1;241(1):221–8

Purification and kinetic properties of pyruvate kinase isoenzymes of Salmonella typhimurium. Garcia–Olalla C, et al. **Biochem J** 1987 Jan 15;241(2):573–81

Changes in skeletal–muscle myosin isoenzymes with hypertrophy and exercise [published erratum appears in Biochem J 1986 Dec 15;240(3):following 933] Gregory P, et al. **Biochem J** 1986 Aug 15;238(1):55–63

Increase in a specific cytochrome P–450 isoenzyme in the liver of congenitally jaundiced Gunn rats. Kapitulnik J, et al. **Biochem J** 1987 Feb 15;242(1):297–300

Purification, biochemical properties and active sites of N–acetyl–beta–D–hexosaminidases from human seminal plasma. Kapur DK, et al. **Biochem J** 1986 May 15; 236(1):103–9

Carboxy groups as essential residues in beta–lactamases. Little C, et al. **Biochem J** 1986 Nov 15;240(1):215–9

Conversion of human placental alkaline phosphatase from a high Mr form to a low Mr form during butanol extraction. An investigation of the role of endogenous phosphoinositide–specific phospholipases. Malik AS, et al. **Biochem J** 1986 Dec 1;240(2):519–27

Species variants of cathepsin L and their immunological identification. Mason RW. **Biochem J** 1986 Nov 15; 240(1):285–8

Resolution, purification and some properties of the multiple forms of cellobiose quinone dehydrogenase from the white–rot fungus Sporotrichum pulverulentum. Morpeth FF, et al. **Biochem J** 1986 May 15;236(1):221–6

Hexokinase isoenzymes from the Novikoff hepatoma. Purification, kinetic and structural characterization, with emphasis on hexokinase C. Radojković J, et al. **Biochem J** 1987 Mar 15;242(3):895–903

Regulatory properties of AMP deaminase isoenzymes from rabbit red muscle. Raggi A, et al. **Biochem J** 1987 Mar 15;242(3):875–9

Effect of diabetes on acid and neutral triacylglycerol lipase and on lipoprotein lipase activities in isolated myocardial cells from rat heart. Ramírez I, et al. **Biochem J** 1986 Aug 15;238(1):233–8

The identification of a new cyclic nucleotide phosphodiesterase activity in human and guinea–pig cardiac ventricle. Implications for the mechanism of action of selective phosphodiesterase inhibitors. Reeves ML, et al. **Biochem J** 1987 Jan 15;241(2):535–41

Glutathione S–transferases of mouse lung. Selective binding of benzo[a]pyrene metabolites by the subunits which are preferentially induced by t–butylated hydroxyanisole. Singh SV, et al. **Biochem J** 1987 Apr 15;243(2):351–8

Cellular localization and substrate specificity of isoelectric forms of human liver neuraminidase activity. Spaltro J, et al. **Biochem J** 1987 Jan 1;241(1):137–43

Multiple forms of cytochrome P–450 related to forms induced marginally by phenobarbital. Differences in structure and in the metabolism of alkoxyresorufins. Wolf CR, et al. **Biochem J** 1986 Nov 15;240(1):27–33

Dot immunodetection for sphingomyelinase with monoclonal antibody. Machira F, et al. **Biochem Med Metab Biol** 1987 Feb;37(1):5–15

Studies on the ontogenesis of the different isoenzymes of Na+, K+–ATPase in rat brain in vivo and in vitro in relation to their regulation and cellular localisation. Atterwill CK, et al. **Biochem Pharmacol** 1987 Aug 15; 36(16):2679–83

Human liver phenol sulfotransferase: assay conditions, biochemical properties and partial purification of isozymes of the thermostable form. Campbell NR, et al. **Biochem Pharmacol** 1987 May 1;36(9):1435–46

Significance of cytochrome P–450 (P–450 HFLa) of human fetal livers in the steroid and drug oxidations. Kitada M, et al. **Biochem Pharmacol** 1987 Feb 15;36(4):453–6

Hepatic cytochrome P–450 system in experimental hepatosplenic schistosomiasis. Presence of an artifact in spectrophotometric analysis. el Mouelhi M, et al. **Biochem Pharmacol** 1987 Aug 15;36(16):2621–6

New heterocyclic modifiers of oxidative drug metabolism—II. Steric factors in the interaction of isomeric 2–(naphthyl)methylbenzimidazoles with rat hepatic microsomal cytochrome P–450 and monooxygenase activities. Murray M. **Biochem Pharmacol** 1987 Feb 15; 36(4):463–8

Kinetic studies on benzene metabolism in rat liver—possible presence of three forms of benzene metabolizing enzymes in the liver. Nakajima T, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2799–804

Studies on the metabolism of aminopyrine, antipyrine and theophylline using monoclonal antibodies to cytochrome P–450 isozymes purified from rat liver. Slusher LB, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2359–67

Rat liver cytochrome P–450 isozymes as catalysts of aldrin epoxidation in reconstituted monooxygenase systems and microsomes. Wolff T, et al. **Biochem Pharmacol** 1987 Aug 15;36(16):2581–8

Selective deamidation and enzymatic methylation of seminal ribonuclease. Di Donato A, et al. **Biochemistry** 1986 Dec 30;25(26):8361–8

Kinetic reaction mechanism for magnesium binding to membrane–bound and soluble catechol O–methyltransferase. Jeffery DR, et al. **Biochemistry** 1987 May 19;26(10):2955–8

Specific interactions of the alkali light chain 1 in skeletal myosin heads probed by chemical cross-linking. Labbé JP, et al. **Biochemistry** 1986 Dec 16;25(25):8325–30

Human class I alcohol dehydrogenases catalyze the interconversion of alcohols and aldehydes in the metabolism of dopamine. Mårdh G, et al. **Biochemistry** 1986 Nov 18;25(23):7279–82

Properties of two forms of DNA polymerase delta from calf thymus. Wahl AF, et al. **Biochemistry** 1986 Dec 2; 25(24):7821–7

The stereoselectivity of four hepatic glutathione S-transferases purified from a marine elasmobranch (Raja erinacea) with several K-region polycyclic arene oxide substrates. Foureman GL, et al. **Biochim Biophys Acta** 1987 Aug 5;914(2):127–35

Muscle adenylate kinase in Duchenne muscular dystrophy. Fröhlich T, et al. **Biochim Biophys Acta** 1986 Oct 1; 883(3):598–603

The existence of apotyrosinase in the cytosol of Harding-Passey mouse melanoma melanocytes and characteristics of enzyme reconstitution by Cu(II). Martínez JH, et al. **Biochim Biophys Acta** 1987 Mar 19; 923(3):413–20

Acyl-chain specificity and properties of cholesterol esterases from normal and Wolman lymphoid cell lines. Nègre A, et al. **Biochim Biophys Acta** 1987 Mar 13;918(1):76–82

Demonstration of a heterogeneous distribution of glycolytic enzymes and of pyruvate kinase isoenzymes types M1 and M2 in unfertilized hen eggs. Noda S, et al. **Biochim Biophys Acta** 1986 Dec 10;884(3):395–401

Deconjugation of glucuronides catalysed by UDPglucuronyltransferase. Peters WH, et al. **Biochim Biophys Acta** 1986 Sep 26;873(2):252–9

The substrate specificity of the protein kinase induced in cells infected with herpesviruses: studies with synthetic substrates [corrected] indicate structural requirements distinct from other protein kinases [published erratum appears in Biochem Biophys Acta 1987 Feb 18;927(2):303] Purves FC, et al. **Biochim Biophys Acta** 1986 Nov 28; 889(2):208–15

Substrate specificity of the carbon monoxide-dependent cytochrome P-450 kinetics. Schröder U, et al. **Biochim Biophys Acta** 1987 Jun 17;913(2):185–94

Molecular forms of acetylcholinesterase in mammalian smooth muscles. Taxi J, et al. **Biol Cell** 1986;57(1):23–32

T-leukemia cell lines CCRF-CEM, HPB-ALL, JM and MOLT-4: changes in isoenzyme profiles during induction of differentiation. Drexler HG, et al. **Blut** 1987 Feb; 54(2):79–87

Placental-type alkaline phosphatase in cervical neoplasia. McLaughlin PJ, et al. **Br J Cancer** 1987 Feb;55(2):197–201

Immunocytochemical localizations of cytosolic and mitochondrial glutamic oxaloacetic transaminase isozymes in rat primary sensory neurons as a marker for the glutamate neuronal system. Inagaki N, et al. **Brain Res** 1987 Jan 27;402(1):197–200

Tyrosine hydroxylase and monoamine oxidase-A activity increases in differentiating human neuroblastoma after elimination of dividing cells. Ino M, et al. **Brain Res** 1986 Nov;395(1):120–3

Serotonin metabolism and the nature of monoamine oxidase in squid central nervous system. Youdim MB, et al. **Brain Res** 1986 Sep 3;381(2):300–4

Partial characterization of two (Ca+2 + Mg+2)-dependent ATPase activities from bovine brain synaptic membrane homogenates. Chambers JP, et al. **Brain Res Bull** 1987 Jan; 18(1):99–107

Beta-adrenergic regulation of cardiac myosin. Winegrad S, et al. **Can J Physiol Pharmacol** 1987 Apr;65(4):606–9

Alteration of glutathione transferase isoenzyme concentrations in human renal carcinoma. Di Ilio C, et al. **Carcinogenesis** 1987 Jun;8(6):861–4

Effect of amiodarone on rat heart myosin isoenzymes. Bagchi N, et al. **Circ Res** 1987 Apr;60(4):621–5

Development changes in the human cardiac isomyosin distribution: an immunohistochemical study using monoclonal antibodies. Bouvagnet P, et al. **Circ Res** 1987 Sep;61(3):329–36

Changes in myosin isoenzymes, ATPase activity, and contraction duration in rat cardiac muscle with aging can be modulated by thyroxine. Effron MB, et al. **Circ Res** 1987 Feb;60(2):238–45

Transitions in cardiac isomyosin expression during differentiation of the embryonic chick heart. Sweeney LJ, et al. **Circ Res** 1987 Aug;61(2):287–95

Isozyme specific modification of myosin ATPase by cAMP in rat heart. Winegrad S, et al. **Circ Res** 1987 Mar; 60(3):384–92

Postsynthetic modification of human enolase isoenzymes. Rigiani NR, et al. **Clin Chem** 1987 Jun;33(6):757–60

In vitro studies upon the release of gamma-glutamyltransferase from human liver. Wenham PR, et al. **Clin Chim Acta** 1986 Nov 15;160(3):223–33

Chlorpropamide-alcohol flush reaction and isoenzyme profiles of alcohol dehydrogenase and aldehyde dehydrogenase. Johnston C, et al. **Clin Sci** 1986 Nov; 71(5):513–7

Metabolism of glycerate 2,3-P2—XI. Essential amino acids of pig phosphoglycerate mutase isozymes. Berrocal F, et al. **Comp Biochem Physiol [B]** 1987;86(3):547–54

Multiple forms of juvenile hormone esterase active sites in the hemolymph of larvae of Trichoplusia ni. Jones D, et al. **Comp Biochem Physiol [B]** 1986;85(4):773–81

Comparative studies on the isoenzymes of glutathione S-transferase of rat brain and other tissues. Singh SV, et al. **Comp Biochem Physiol [B]** 1987;86(1):73–81

Comparative biochemical study of alkaline phosphatase isozymes in fish, amphibians, reptiles, birds and mammals. Yora T, et al. **Comp Biochem Physiol [B]** 1986;85(3):649–58

Lactate dehydrogenase activity and its isoenzymes in concentric layers of adult bovine and calf lenses. Sempol D, et al. **Curr Eye Res** 1987 Apr;6(4):555–60

Identification of the enzymes catalyzing metabolism of methoxyflurane. Waskell L, et al. **Drug Metab Dispos** 1986 Nov-Dec;14(6):643–8

N-acetyl-beta-D-glucosaminidase (NAG) levels in amniotic fluid or urine in prenatal and postnatal life. Agosti S, et al. **Early Hum Dev** 1986 Dec;14(3–4):229–32

Cytochrome P-450scc a review of the specificity and properties of the cholesterol binding site. Lambeth JD. **Endocr Res** 1986;12(4):371–92 (51 ref.)

1,25-Dihydroxyvitamin D3 exerts opposite effects on the regulation of human embryonic and nonembryonic alkaline phosphatase isoenzymes. Mulkins MA, et al. **Endocrinology** 1987 Jan;120(1):416–25

The role of 3,3',5'-triiodothyronine in the regulation of type II iodothyronine 5'-deiodinase in the rat cerebral cortex. Obregon MJ, et al. **Endocrinology** 1986 Nov;119(5):2186–92

Catalytic properties of human liver alcohol dehydrogenase isoenzymes. Bosron WF, et al. **Enzyme** 1987;37(1–2):19–28

Metabolism of the human serum beta-hexosaminidase isoenzymes in the rat: an in vivo and in vitro study. Isaksson A, et al. **Enzyme** 1986;35(3):154–60

Are calcium-dependent protein kinases involved in the regulation of glycolytic/gluconeogenetic enzymes? Studies with Ca2+/calmodulin-dependent protein kinase and protein kinase C. Mieskes G, et al. **Eur J Biochem** 1987 Sep 1;167(2):383–9

Hexokinase PII from Saccharomyces cerevisiae is regulated by changes in the cytosolic Mg2+-free ATP concentration. Moreno F, et al. **Eur J Biochem** 1986 Dec 15;161(3):565–9

Properties of human hepatic UDP-glucuronosyltransferases. Relationship to other inducible enzymes in patients with cholestasis. Dragacci S, et al. **Eur J Clin Pharmacol** 1987; 32(5):485–91

Developmental forms of human skeletal muscle AMP-deaminase. Kaletha K, et al. **Experientia** 1987 Apr 15;43(4):440–3

Immunoquantitation of some cytochrome P-450 isozymes in liver microsomes from streptozotocin-diabetic rats. Rouer E, et al. **Experientia** 1986 Oct 15;42(10):1162–3

Thymine hydroperoxide, a substrate for rat Se-dependent glutathione peroxidase and glutathione transferase isoenzymes. Tan KH, et al. **FEBS Lett** 1986 Oct 27; 207(2):231–3

Placental-type alkaline phosphatase in human seminal plasma from fertile and infertile men. McLaughlin PJ, et al. **Fertil Steril** 1986 Nov;46(5):934–7

Role of different cytochrome P-450 isozymes in the demethylation of various substrates. Hietanen E, et al. **Gen Pharmacol** 1986;17(5):565–8

Placental-like alkaline phosphatase reactivity in human tumors: an immunohistochemical study of 520 cases. Wick MR, et al. **Hum Pathol** 1987 Sep;18(9):946–54

Differential estimation of amylase isoenzymes using a specific pancreatic amylase inhibitor. Nagaraj RH, et al. **Indian J Med Res** 1986 Jul;84:89–92

Purification and characterization of camel liver glutathione S-transferase. Hunaiti AA, et al. **Int J Biochem** 1987; 19(1):71–7

Characterization of acid and neutral alpha-mannosidases in bull semen and reproductive organs. Jauhiainen A, et al. **Int J Biochem** 1987;19(3):267–74

On the ontogeny and interactions of phosphofructokinase in mouse tissues. Reid S, et al. **Int J Biochem** 1986; 18(12):1097–105

Kinetic studies of four enzyme forms of beta-N-acetylhexosaminidase from embryonic chicken brain. Rodríguez-Hernández JA, et al. **Int J Biochem** 1987; 19(5):449–53

Reactions of Drosophila enzymes to temperature. Potential adaptive regimes. Alahiotis SN, et al. **Isozymes Curr Top Biol Med Res** 1987;15:153–77 (59 ref.)

Human arginase isozymes. Grody WW, et al. **Isozymes Curr Top Biol Med Res** 1987;13:181–214

Structure and function of adenylate kinase isozymes in normal humans and muscular dystrophy patients. Hamada M, et al. **Isozymes Curr Top Biol Med Res** 1987;16:81–99

Lipoxygenase isozymes in higher plants: biochemical properties and physiological role. Mack AJ, et al. **Isozymes Curr Top Biol Med Res** 1987;13:127–54

Isozymes and the micro-organization of the glycolytic sequence. Masters C, et al. **Isozymes Curr Top Biol Med Res** 1987;14:45–58 (14 ref.)

Peanut peroxidase: a model system for peroxidase analysis. van Huystee RB, et al. **Isozymes Curr Top Biol Med Res** 1987;13:155–79

Plant peroxidases. van Huystee RB. **Isozymes Curr Top Biol Med Res** 1987;16:241–5

Interaction of compensatory overload and hindlimb suspension on myosin isoform expression. Tsika RW, et al. **J Appl Physiol** 1987 Jun;62(6):2180–6

Multiplicity of bovine liver GM1 ganglioside beta-galactosidase. Hiraiwa M, et al. **J Biochem (Tokyo)** 1986 Jul;100(1):255–8

Evidence for two activated forms of pyruvate kinase from Bacillus stearothermophilus in the presence of ribose 5-phosphate. Sakai H, et al. **J Biochem (Tokyo)** 1987 Mar; 101(3):633–42

RNA contacts subunits IIo and IIc in HeLa RNA polymerase II transcription complexes. Bartholomew B, et al. **J Biol Chem** 1986 Oct 25;261(30):14226–31

Association of steroid sulfatase with one of the arylsulfatase C isozymes in human fibroblasts. Chang PL, et al. **J Biol Chem** 1986 Nov 5;261(31):14443–7

An insulin-stimulated ribosomal protein S6 kinase in 3T3-L1 cells. Cobb MH. **J Biol Chem** 1986 Oct 5;261(28):12994–9

Protein kinases of the thylakoid membrane. Coughlan SJ, et al. **J Biol Chem** 1986 Oct 25;261(30):14062–8

Alteration of 6-phosphofructo-1-kinase isozyme pools during heart development and aging. Dunaway GA, et al. **J Biol Chem** 1986 Dec 25;261(36):17170–3

Steady-state kinetic studies of superoxide dismutases. Saturative behavior of the copper- and zinc-containing protein. Fee JA, et al. **J Biol Chem** 1986 Oct 5; 261(28):13000–5

Kinetic characterization of yeast alcohol dehydrogenases. Amino acid residue 294 and substrate specificity. Ganzhorn AJ, et al. **J Biol Chem** 1987 Mar 15;262(8):3754–61

Effects of gentamicin on sphingomyelinase activity in cultured human renal proximal tubular cells. Ghosh P, et al. **J Biol Chem** 1987 Sep 15;262(26):12550–6

Hydride transfer stereospecificity of rat liver aldehyde dehydrogenases. Jones KH, et al. **J Biol Chem** 1987 Aug 15;262(23):10911–3

Tyrosinase isozyme heterogeneity in differentiating B16/C3 melanoma. Laskin JD, et al. **J Biol Chem** 1986 Dec 15; 261(35):16226–35

Direct evidence for two distinct prosomatostatin converting enzymes. Detection using a rapid, sensitive, and specific assay for propeptide converting enzymes. Mackin RB, et al. **J Biol Chem** 1987 May 15;262(14):6453–6

Two Na,K-ATPase isoenzymes in canine cardiac myocytes. Molecular basis of inotropic and toxic effects of digitalis. Maixent JM, et al. **J Biol Chem** 1987 May 15;262(14):6842–8

Purification and characterization of two distinct complexes of assembly polypeptides from calf brain coated vesicles that differ in their polypeptide composition and kinase activities. Manfredi JJ, et al. **J Biol Chem** 1987 Sep 5; 262(25):12182–8

Two chitin synthases in Saccharomyces cerevisiae. Orlean P. **J Biol Chem** 1987 Apr 25;262(12):5732–9

Mitogen-activated S6 kinase is stimulated via protein kinase C-dependent and independent pathways in Swiss 3T3 cells. Pelech SL, et al. **J Biol Chem** 1987 Aug 25; 262(24):11598–606

Characterization of the isolated rat flexor digitorum brevis for the study of skeletal muscle phosphorylase kinase phosphorylation. Pickett-Gies CA, et al. **J Biol Chem** 1987 Mar 5;262(7):3227–38

Glutamine synthetase isozymes in elasmobranch brain and liver tissues. Smith DD Jr, et al. **J Biol Chem** 1987 Jan 5;262(1):198–202

Differential expression of isoforms of the regulatory subunit of type II cAMP-dependent protein kinase in rat neurons, astrocytes, and oligodendrocytes. Stein JC, et al. **J Biol Chem** 1987 Mar 5;262(7):3002–6

Phosphorylation of nerve growth factor receptor proteins in sympathetic neurons and PC12 cells. In vitro phosphorylation by the cAMP-independent protein kinase FA/GSK-3. Taniuchi M, et al. **J Biol Chem** 1986 Oct 5; 261(28):13342–9

The use of a specific fluorescence probe to study the interaction of adrenodoxin with adrenodoxin reductase and cytochrome P-450scc. Tuls J, et al. **J Biol Chem** 1987 Jul 25;262(21):10020–5

Substrate specificities of rat kidney lysosomal and cytosolic alpha-D-mannosidases and effects of swainsonine suggest a role of the cytosolic enzyme in glycoprotein catabolism. Tulsiani DR, et al. **J Biol Chem** 1987 May 15; 262(14):6506–14

Liver isozyme of rabbit glycogen synthase. Amino acid sequences surrounding phosphorylation sites recognized by cyclic AMP-dependent protein kinase. Wang YH, et al. **J Biol Chem** 1986 Dec 25;261(36):16909–15

Catalytic properties of the F1-adenosine triphosphatase from Escherichia coli K-12 and its genetic variants as revealed by 18O exchanges. Wood JM, et al. **J Biol Chem** 1987 Feb 15;262(5):2180–6

Regulation of inositol 1,4,5-trisphosphate kinase activity after stimulation of human T cell antigen receptor. Imboden JB, et al. **J Clin Invest** 1987 May;79(5):1538–41

Distribution of activities of aspartate aminotransferase isoenzymes and malate dehydrogenase in guinea pig retinal layers. Ross CD, et al. **J Histochem Cytochem** 1987 Jun; 35(6):669–74

Recombination of carbon monoxide to ferrous horseradish peroxidase types A and C. Doster W, et al. **J Mol Biol** 1987 Mar 20;194(2):299–312

Selenium independent glutathione peroxidase activity associated with cationic forms of glutathione transferase in human heart. Di Ilio C, et al. **J Mol Cell Cardiol** 1986 Sep;18(9):983–91

Molecular forms of acetylcholinesterase and butyrylcholinesterase in human plasma and cerebrospinal

fluid. Atack JR, et al. **J Neurochem** 1987 Jun;48(6):1845–50
Molecular forms of butyrylcholinesterase in the human neocortex during development and degeneration of the cortical cholinergic system. Atack JR, et al. **J Neurochem** 1987 Jun;48(6):1687–92
Neuromelanogenic and cytotoxic properties of canine brainstem peroxidase. Grisham MB, et al. **J Neurochem** 1987 Mar;48(3):876–82
Cyclic AMP-dependent protein phosphorylation in chemosensory neurons: identification of cyclic nucleotide-regulated phosphoproteins in olfactory cilia. Heldman J, et al. **J Neurochem** 1986 Nov;47(5):1527–33
2',3'-cyclic nucleotide 3'-phosphodiesterase in CNS and PNS myelin: two molecular forms [letter] Matthieu JM. **J Neurochem** 1986 Dec;47(6):1963
Distribution of the two forms of monoamine oxidase within monoaminergic neurons of the guinea pig brain. Ross SB. **J Neurochem** 1987 Feb;48(2):609–14
The distribution of (Na+ + K+)ATPase is continuous along the axolemma of unensheathed axons from spinal roots of 'dystrophic' mice. Ariyasu RG, et al. **J Neurocytol** 1987 Apr;16(2):239–48
Cyclic nucleotide phosphodiesterase isozymes in neuroblastoma cells. Watz MA, et al. **J Neurosci Res** 1987; 17(3):291–7
Evidence of keratin and peroxidase activity in adult Dirofilaria immitis. Ferl JE, et al. **J Parasitol** 1987 Aug; 73(4):864–5
SR 95191, a selective inhibitor of type A monoamine oxidase with dopaminergic properties. II. Biochemical characterization of monoamine oxidase inhibition. Kan JP, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):251–8
Hepatic metabolism of tolbutamide: characterization of the form of cytochrome P-450 involved in methyl hydroxylation and relationship to in vivo disposition. Knodell RG, et al. **J Pharmacol Exp Ther** 1987 Jun; 241(3):1112–9
Postnatal differentiation and endocrine control of esterase isozymes in the mouse epididymis. Abou-Haila A, et al. **J Reprod Fertil** 1987 Mar;79(2):437–46
Effects of polychlorinated biphenyls on porphyrin synthesis and cytochrome P-450-dependent monooxygenases in small intestine and liver of Japanese quail. Miranda CL, et al. **J Toxicol Environ Health** 1987;20(1–2):27–35
Alteration of acid phosphatase isoenzyme in a human prostatic cancer cell line. Lin CT, et al. **Lab Invest** 1986 Dec;55(6):666–72
Accumulation of CK-MM is impaired in innervated and contracting cultured muscle fibers of Duchenne muscular dystrophy patients. Askanas V, et al. **Life Sci** 1987 Aug 24;41(8):927–33
Monoamine oxidase A and B from human liver and brain. Abell CW. **Methods Enzymol** 1987;142:638–50
Activation of low and null activity isozymes of maize alcohol dehydrogenase by antibodies. Irish EE, et al. **MGG** 1987 Jun;208(1–2):271–8
Temperature modulation of growth rates and glucosephosphate isomerase isozyme activity in Trypanosoma cruzi. Widmer G, et al. **Mol Biochem Parasitol** 1987 Feb;23(1):55–62
Multiplicity and regulation of hepatic microsomal carboxylesterases in rats. Hosokawa M, et al. **Mol Pharmacol** 1987 Jun;31(6):579–84
Stereoselective formations of K-region and non-K-region epoxides in the metabolism of chrysene by rat liver microsomal cytochrome P-450 isozymes. Yang SK, et al. **Mol Pharmacol** 1987 Jul;32(1):73–80
Patterns of epoxide metabolism by epoxide hydrolase and glutathione S-transferase associated with age and genotype in Drosophila melanogaster. Ottea JA, et al. **Mutat Res** 1987 Apr;177(2):247–54
cGMP-dependent protein kinase enhances Ca2+ current and potentiates the serotonin-induced Ca2+ current increase in snail neurones. Paupardin-Tritsch D, et al. **Nature** 1986 Oct 30–Nov 5;323(6091):812–4
Some properties of adenosine 3',5'-cyclic monophosphate phosphodiesterase in the superior cervical ganglion of the guinea pig. Capuzzo A, et al. **Neurochem Res** 1986 Oct; 11(10):1425–37
Changes of cerebral gamma glutamyltransferase activities after treatment with exogenous inducers. Ghersi-Egea JF, et al. **Neurochem Res** 1987 Apr;12(4):357–9
Properties of the 3'-phosphoadenosine-5'-phosphosulfate (PAPS) synthesizing systems of brain and liver. Matsuo K, et al. **Neurochem Res** 1987 Apr;12(4):345–9
1,4-Benzoquinone as a new inhibitor of monoamine oxidase. Naoi M, et al. **Neurosci Lett** 1987 Jun 15;77(2):215–20
Distributions of the activities of aspartate aminotransferase isoenzymes in rat retinal layers. Ross CD, et al. **Neurosci Lett** 1987 Feb 24;74(2):205–10
Angiotensin converting enzyme immunohistochemistry in rat brain and pituitary gland: correlation of isozyme type with cellular localization. Strittmatter SM, et al. **Neuroscience** 1987 May;21(2):407–20
Effect of perinatal methimazole exposure on enolase isozymes in the developing rat. Roginski ET, et al. **Neurotoxicology** 1986 Fall;7(3):181–5
Exercise training induces transitions of myosin isoform subunits within histochemically typed human muscle fibres. Baumann H, et al. **Pflugers Arch** 1987 Aug;409(4–5):349–60
Ca2+/calmodulin-dependent protein kinase II: identification of autophosphorylation sites responsible for generation of Ca2+/calmodulin-independence. Lai Y, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5710–4
The roles of human aldehyde dehydrogenase isoenzymes in ethanol metabolism. Harrington MC, et al. **Prog Clin Biol Res** 1987;232:111–25
Kinetic properties and physiological significance of the ADH-1 isoenzyme of rat stomach alcohol dehydrogenase. Julià P, et al. **Prog Clin Biol Res** 1987;232:189–201
Structure and function in yeast alcohol dehydrogenases. Plapp BV, et al. **Prog Clin Biol Res** 1987;232:227–36
Structure and expression of mouse liver alcohol dehydrogenase isoenzymes. Rex DK, et al. **Prog Clin Biol Res** 1987;232:237–43
Coagulant versus amidolytic properties of human and bovine thrombins: implications in standardization and diagnostic usage. Fareed J, et al. **Semin Thromb Hemost** 1986 Oct; 12(4):310–7
Reduction of irreversible binding of diethylstilbestrol in hamster renal cortex by inhibitors of cytochrome P-450. Adams SP, et al. **Toxicol Appl Pharmacol** 1987 Mar 30; 88(1):113–22
The influence of chirality on the delayed neuropathic potential of some organophosphorus esters: neuropathic and prophylactic effects of stereoisomeric esters of ethyl phenylphosphonic acid (EPN oxon and EPN) correlate with quantities of aged and unaged neuropathy target esterase in vivo. Johnson MK, et al. **Toxicol Appl Pharmacol** 1987 Aug;90(1):103–15
Leishmania in the Old World: 5. Numerical analysis of isoenzyme data. Le Blancq SM, et al. **Trans R Soc Trop Med Hyg** 1986;80(4):517–24
Novel cholinesterase expression in the HuH-7 cell line. Hada T, et al. **Tumour Biol** 1987;8(1):3–8
Acetylator phenotype among individuals with glucose 6-phosphate dehydrogenase variants. Jeyakumar LH, et al. **Xenobiotica** 1986 Dec;16(12):1129–32
Re-investigation of the protein structure of coenzyme B12-dependent diol dehydrase. Tanizawa K, et al. **Z Naturforsch [C]** 1987 Apr;42(4):353–9
[Relation of amylase isoenzymes to total amylase in the serum and urine and its clinical significance] Št'astná R, et al. **Vnitr Lek** 1986 Oct;32(10):948–55 (Eng. Abstr.) **(Cze)**
[Detectability of PGM3 types in human body tissues and the stored placenta] Oya M, et al. **Beitr Gerichtl Med** 1986; 44:543–8 (Eng. Abstr.) **(Ger)**
[PGM1 isoelectric focusing of sperm traces: elution conditions, age of the traces, concentration in the stain] Scheithauer R, et al. **Beitr Gerichtl Med** 1986;44:101–7 (Eng. Abstr.) **(Ger)**
[Effect of various liver diseases on the activity of 2 subtypes of cytochrome P-450] Balogh A, et al. **Dtsch Z Verdau Stoffwechselkr** 1987;47(1):1–13 (Eng. Abstr.) **(Ger)**
[Isoenzymes] Pfleiderer G. **Naturwissenschaften** 1986 Nov; 73(11):643–50 (Eng. Abstr.) **(Ger)**
[Inhibition of growth of human melanoma cells and enhancement of alkaline phosphatase activity by butyric acid] Nordenberg J, et al. **Harefuah** 1986 Jul;111(1–2):21–3 (Eng. Abstr.) **(Heb)**
[Clinical significance of plasma N-acetyl-beta-D-glucosaminidase (NAG) activity in acute myocardial infarction] Yanada Y, et al. **Nippon Naika Gakkai Zasshi** 1987 Apr;76(4):501–9 **(Jpn)**
[Adenosine deaminase activity and isozymes in pleural effusion: an aid to differential diagnosis between carcinomatous and tuberculous pleurisy] Kurata N, et al. **Rinsho Byori** 1987 Feb;35(2):192–6 **(Jpn)**
[Pyruvate kinase] Jedrzejak J. **Postepy Hig Med Dosw** 1986 May–Jun;40(3):289–330 (243 ref.) (Eng. Abstr.) **(Pol)**
[Comparative biochemical studies on the pathogenic and non-pathogenic amebae of the genus Naegleria] Hadaś E, et al. **Wiad Parazytol** 1987;33(1):25–38 (Eng. Abstr.) **(Pol)**
[Inhibition of the dealkylating activity of cytochrome P-450 isoforms in rat liver microsomes by the products of phospholipase A2-induced phospholipid hydrolysis] Viner RI, et al. **Biokhimiia** 1987 Mar;52(3):459–68 (Eng. Abstr.) **(Rus)**
[Polymorphism of enteric enzymes during growth, maturation and aging] Sabirova ElIu, et al. **Dokl Akad Nauk SSSR** 1987;293(3):760–2 **(Rus)**
[Regulation of the activity of brain aspartate aminotransferase isoenzymes by catecholamines] Pikulev AT, et al. **Nerv Sist** 1986;25:22–31 **(Rus)**
[Comparative study of the activity of arginase isoenzymes in brain tumors of humans and experimental animals] Trapeznikova SS, et al. **Vopr Med Khim** 1986 Nov–Dec; 32(6):29–34 (Eng. Abstr.) **(Rus)**
[Neurospecific and neuron-specific enolase levels in human nerve tissue at early stages of embryogenesis] Zaĭko SD, et al. **Zh Evol Biokhim Fiziol** 1987 Jan–Feb;23(1):48–52 (Eng. Abstr.) **(Rus)**
[Metabolism and bioelectric activity of individual brain structures in response to the neuropeptide taftsine] Lovedova EL, et al. **Zh Nevropatol Psikhiatr** 1986; 86(7):1025–8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

A phospholipase A2 isoenzyme provokes lipoxin B formation from endogenous sources of arachidonic acid in porcine leukocytes. Lam BK, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):123–31
The oxidation of alpha-beta unsaturated aldehydic products of lipid peroxidation by rat liver aldehyde dehydrogenases. Mitchell DY, et al. **Toxicol Appl Pharmacol** 1987 Mar 15; 87(3):403–10

PHYSIOLOGY

Suppression of mating behaviour in the male rat by intracerebroventricular infusions of N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine. Sirinathsinghji DJ. **Brain Res** 1987 Mar 31;407(2):364–8
Infantile hypophosphatasia fibroblasts proliferate normally in culture: evidence against a role for alkaline phosphatase (tissue nonspecific isoenzyme) in the regulation of cell growth and differentiation. Whyte MP, et al. **Calcif Tissue Int** 1987 Jan;40(1):1–7
Evolution of the functional properties of pyruvate kinase isozymes: pyruvate kinase L from Rana pipiens. Fournier P, et al. **J Comp Physiol [B]** 1986;156(5):691–9
Identification, properties and effect of hormones on rat preputial gland peroxidase. De PK, et al. **J Endocrinol** 1987 Feb;112(2):239–45
Induction of microsomal cytochrome P-450 enzymes: the first Bernard B. Brodie lecture at Pennsylvania State University. Conney AH. **Life Sci** 1986 Dec 29; 39(26):2493–518 (135 ref.)

SECRETION

Peroxidase release from rat submandibular salivary acinar cells in vitro. Anderson LC. **Arch Oral Biol** 1986; 31(7):501–3
Multiple forms of acid phosphatase and their differential secretion during stalk formation under submerged monolayer incubation of Dictyostelium discoideum. Oohata AA. **Cell Differ** 1986 Dec;19(4):271–9

THERAPEUTIC USE

Enhancement of cardioplegic protection with the free-radical scavenger peroxidase. Menasche P, et al. **Circulation** 1986 Nov;74(5 Pt 2):III138–44

URINE

Isoenzymes of urinary N-acetyl-beta-D-glucosaminidase (NAG) in patients with renal transplants. Yuen CT, et al. **Clin Chim Acta** 1987 May 15;164(3):339–50
Analysis of urinary N-acetyl-beta-D-glucosaminidase isozyme in patients treated with gentamicin or cis-diammine dichloroplatinum (II). Aikawa A, et al. **Dev Toxicol Environ Sci** 1986;14:183–6
Automated separation and measurement of urinary isoenzymes and protein by ion-exchange liquid chromatography. Matsukura H, et al. **J Chromatogr** 1987 Feb 20;414(1):47–54
Excretion of urinary N-acetyl-beta-D-glucosaminidase isoenzymes after renal transplantation in the rat. Bourbouze R, et al. **J Clin Chem Clin Biochem** 1987 Feb;25(2):71–6
[An early and specific indicator of aminoglycoside nephrotoxicity: isoenzyme B of urinary N-acetyl-beta-D-glucosaminidase (NAG)] Gibey R, et al. **Pathol Biol (Paris)** 1986 May;34(5):342–5 (Eng. Abstr.) **(Fre)**

ISOEPHEDRINE see **EPHEDRINE**

ISOETHARINE see under **AMINO ALCOHOLS**

ISOFLAVONES see under **FLAVONES**

ISOFLURANE

Halothane, enflurane and isoflurane anaesthesia for adenoidectomy in children, using two different premedications. Johannesson GP, et al. **Acta Anaesthesiol Scand** 1987 Apr;31(3):233–8
Pulmonary ventilation and gas exchange in children anaesthetized with halothane, enflurane and isoflurane. Johannesson GP, et al. **Acta Anaesthesiol Scand** 1987 Jul; 31(5):375–80
Recovery from sufentanil anaesthesia for outpatient arthroscopy: a comparison with isoflurane. Zuurmond WW, et al. **Acta Anaesthesiol Scand** 1987 Feb;31(2):154–6
Ketamine and the arrhythmogenic dose of epinephrine in cats anesthetized with halothane and isoflurane. Bednarski RM, et al. **Am J Vet Res** 1986 Oct;47(10):2122–5
A comparison of propofol and methohexitone as induction agents for day case isoflurane anaesthesia. O'Toole DP, et al. **Anaesthesia** 1987 Apr;42(4):373–6
Rates of awakening from anesthesia with I-653, halothane, isoflurane, and sevoflurane: a test of the effect of anesthetic concentration and duration in rats. Eger EI 2d, et al. **Anesth Analg** 1987 Oct;66(10):977–82
Changes in anterior fontanel pressure in preterm neonates receiving isoflurane, halothane, fentanyl, or ketamine. Friesen RH, et al. **Anesth Analg** 1987 May;66(5):431–4
Hepatic circulation during surgical stress and anesthesia with halothane, isoflurane, or fentanyl. Gelman S, et al. **Anesth Analg** 1987 Oct;66(10):936–43
Effect of spontaneous sighs on arterial oxygenation during isoflurane anesthesia in humans. Grim PS, et al. **Anesth Analg** 1987 Sep;66(9):839–42
Nitrous oxide does not increase the incidence of nausea and vomiting after isoflurane anesthesia. Korttila K, et al.

Anesth Analg 1987 Aug;66(8):761–5

Hemodynamic and metabolic effects of two anesthetic techniques in children undergoing surgical repair of acyanotic congenital heart disease. Morgan P, et al. **Anesth Analg** 1987 Oct;66(10):1028–30

Isoflurane has a greater margin of safety than halothane in swine with and without major surgery or critical coronary stenosis. Roberts SL, et al. **Anesth Analg** 1987 Jun; 66(6):485–91

Induction of anesthesia with isoflurane in children [letter] Wren WS, et al. **Anesth Analg** 1986 Dec;65(12):1365–6

Naloxone therapy in spinal trauma: anesthetic effects. Benthuysen JL. **Anesthesiology** 1987 Feb;66(2):238–40

Hypoxia-induced pulmonary vasoconstriction in the human lung. The effect of isoflurane anesthesia. Carlsson AJ, et al. **Anesthesiology** 1987 Mar;66(3):312–6

Near catastrophic oxygenator failure [letter] Cooper S, et al. **Anesthesiology** 1987 Jan;66(1):101–2

Anesthesia and hypertension: the effect of clonidine on perioperative hemodynamics and isoflurane requirements. Ghignone M, et al. **Anesthesiology** 1987 Jul;67(1):3–10

The effect of isoflurane on cerebral blood flow and metabolism in humans during craniotomy for small supratentorial cerebral tumors. Madsen JB, et al. **Anesthesiology** 1987 Mar;66(3):332–6

Amrinone and verapamil–propranolol induced cardiac depression during isoflurane anesthesia in dogs. Makela VH, et al. **Anesthesiology** 1987 Jun;66(6):792–7

Isoflurane-induced failure of the Bentley-10 oxygenator [letter] Maltry DE, et al. **Anesthesiology** 1987 Jan; 66(1):100–1

Correlation of regional cerebral blood flow (rCBF) with EEG changes during isoflurane anesthesia for carotid endarterectomy: critical rCBF. Messick JM Jr, et al. **Anesthesiology** 1987 Mar;66(3):344–9

The detrimental effect of lidocaine on cerebral metabolism measured in dogs anesthetized with isoflurane. Milde LN, et al. **Anesthesiology** 1987 Aug;67(2):180–4

Effects of halothane, enflurane, and isoflurane on somatosensory evoked potentials during nitrous oxide anesthesia. Pathak KS, et al. **Anesthesiology** 1987 Jun; 66(6):753–7

The hemodynamic response to isoflurane is altered in genetically hypertensive (SHR), as compared with normotensive (WKY), rats. Seyde WC, et al. **Anesthesiology** 1987 Jun;66(6):798–804

Inhalational sedation with isoflurane: an alternative to nitrous oxide sedation in dentistry. Parbrook GD, et al. **Br Dent J** 1987 Aug 8;163(3):88–92

Isoflurane in dental anaesthesia for children [letter] Black GW. **Br J Anaesth** 1987 Apr;59(4):522

Naloxone does not influence breathing during isoflurane anaesthesia. Drummond GB, et al. **Br J Anaesth** 1987 Apr; 59(4):444–8

Laparoscopy: blood–gas values and minor sequelae associated with three techniques based on isoflurane. Kenefick JP, et al. **Br J Anaesth** 1987 Feb;59(2):189–94

Isoflurane: its use to induce hypotension in neurosurgical patients. Campkin TV, et al. **Eur J Anaesthesiol** 1986 Sep; 3(5):395–401

Ventilatory changes during nitrous oxide isoflurane anaesthesia in children. Murat I, et al. **Eur J Anaesthesiol** 1986 Sep;3(5):403–11

[Comparison of recovery characteristics between halothane and isoflurane anesthesia in pediatric outpatients] Chung CH, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Mar;24(1):50–5 (Eng. Abstr.) **(Chi)**

[Plasma fluorine during anesthesia with enflurane or isoflurane for kidney transplantation] Richard JP, et al. **Ann Fr Anesth Reanim** 1986;5(4):458–9 **(Fre)**

[Closed-circuit anesthesia with isoflurane in neurosurgery] Neidhardt A, et al. **Cah Anesthesiol** 1986 Dec;34(8):671–3 **(Fre)**

[The use of isoflurane in brief anesthesia for voluntary interruption of pregnancy] Schoeffler P, et al. **Cah Anesthesiol** 1987 Mar–Apr;35(2):83–6 **(Fre)**

[Endocrine stress response in halothane, enflurane and isoflurane anesthesia in surgical interventions] Adams HA, et al. **Anaesthesist** 1987 Apr;36(4):159–65 (Eng. Abstr.) **(Ger)**

[Clinical use of isoflurane in otorhinolaryngoiatric surgery] Monica M, et al. **Acta Biomed Ateneo Parmense** 1986; 57(5–6):203–6 (Eng. Abstr.) **(Ita)**

[Liver function in man after general anesthesia with isoflurane. Clinical experience] D'Eramo C. **Minerva Anestesiol** 1986 Jun–Jul;52(6–7):203–7 (Eng. Abstr.) **(Ita)**

[Isoflurane/enflurane: a comparative assessment of the postoperative course] Rodolà F, et al. **Minerva Anestesiol** 1986 Jun–Jul;52(6–7):183–8 (Eng. Abstr.) **(Ita)**

[Hepatic function after general anesthesia with compound 469 (isoflurane)] Chuliá Campos V, et al. **Rev Esp Anestesiol Reanim** 1987 Jan–Feb;34(1):16–9 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

The minimum alveolar concentration (MAC) of isoflurane in preterm neonates. LeDez KM, et al. **Anesthesiology** 1987 Sep;67(3):301–7

Rapid calculation of isoflurane unit doses for closed-circuit anesthesia [letter] Lee VC. **Anesthesiology** 1987 Aug; 67(2):283–4

Quantitative EEG analysis during anaesthesia with isoflurane in nitrous oxide at 1.3 and 1.5 MAC. Schwilden H, et al. **Br J Anaesth** 1987 Jun;59(6):738–45

[Clinical study of low-flow anesthesia with isoflurane. III. Dose requirement, time necessary for the reaching surgical level of anesthesia and awaking time] Chau SW, et al. **Ma Tsui Hsueh Tsa Chi** 1987 Mar;25(1):11–7 (Eng. Abstr.) **(Chi)**

[Use of isoflurane in a closed–circuit. Economic advantages] Boulogne P, et al. **Ann Fr Anesth Reanim** 1987;6(1):54–6 (Eng. Abstr.) **(Fre)**

[Congenital long–QT syndrome and isoflurane (letter)] Poussel JF, et al. **Ann Fr Anesth Reanim** 1986;5(5):559 **(Fre)**

ADVERSE EFFECTS

Malignant hyperthermia during isoflurane anaesthesia. A case report. Johannesson G, et al. **Acta Anaesthesiol Scand** 1987 Apr;31(3):231–2

A comparison of the incidence and nature of cardiac dysrhythmias occurring during enflurane and isoflurane anaesthesia for dental surgery. Rodrigo MR, et al. **Anaesth Intensive Care** 1987 May;15(2):179–84

Isoflurane for anaesthesia in the dental chair. a comparison of the incidence of cardiac dysrhythmias during anaesthesia with halothane and isoflurane. Cripps TP, et al. **Anaesthesia** 1987 Feb;42(2):189–91

Seizures after anesthesia: identifying the causes [letter] Frost EA. **Anesth Analg** 1987 Oct;66(10):1053–4

Postoperative seizures after isoflurane anesthesia. Harrison JL. **Anesth Analg** 1986 Nov;65(11):1235–6

Hepatic dysfunction after isoflurane anesthesia. Stoelting RK, et al. **Anesth Analg** 1987 Feb;66(2):147–53

Is isoflurane dangerous for the patient with coronary artery disease? [letter] **Anesthesiology** 1987 Aug;67(2):284–8

Does isoflurane aggravate regional cerebral ischemia? [editorial] Michenfelder JD. **Anesthesiology** 1987 Apr; 66(4):451–2

Isoflurane and postoperative hepatic dysfunction [editorial] Stoelting RK. **Can J Anaesth** 1987 May;34(3 (Pt 1)):223–6 **(Eng, Fre)**

Acute hepatitis in a patient with mild factor IX deficiency after anesthesia with isoflurane. Grégoire S, et al. **Can Med Assoc J** 1986 Sep 15;135(6):645–6

Acute hepatitis after isoflurane anesthesia [letter] Webster JA. **Can Med Assoc J** 1986 Dec 15;135(12):1343–4

Hepatic glutathione S-transferase release after halothane anaesthesia: open randomised comparison with isoflurane. Allan LG, et al. **Lancet** 1987 Apr 4;1(8536):771–4

Minimal hepatic and renal function changes after isoflurane anesthesia. Luu KC, et al. **Ma Tsui Hsueh Tsa Chi** 1985 Sep;23(3):100–3

[Comparative effect of halothane and isoflurane on peroperative cardiac arrhythmias] Courtinat C, et al. **Ann Fr Anesth Reanim** 1986;5(4):372–5 (Eng. Abstr.) **(Fre)**

[Comparative echocardiographic studies on the negative inotropic effect of halothane, enflurane and isoflurane] Heinrich H, et al. **Anaesthesist** 1986 Aug;35(8):465–72 (Eng. Abstr.) **(Ger)**

[Effect of isoflurane on intracranial pressure. Observations in 5 patients with expansive intracranial lesions] Mulazzi D, et al. **Minerva Anestesiol** 1986 Nov;52(11):401–3 (Eng. Abstr.) **(Ita)**

[Effects of verapamil on recovery of postischemic cardiac function under 2 MAC enflurane and isoflurane anesthesia in the isolated rat heart] Nozaki F, et al. **Masui** 1986 Jul; 35(7):1026–34 (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

Rates of awakening from anesthesia with I–653, halothane, isoflurane, and sevoflurane: a test of the effect of anesthetic concentration and duration in rats. Eger EI 2d, et al. **Anesth Analg** 1987 Oct;66(10):977–82

MAC of I–653 in rats, including a test of the effect of body temperature and anesthetic duration. Eger EI 2d, et al. **Anesth Analg** 1987 Oct;66(10):974–6

Partition coefficients of I–653 in human blood, saline, and olive oil. Eger EI 2d. **Anesth Analg** 1987 Oct;66(10):971–3

Stability of I–653 in soda lime. Eger EI 3d. **Anesth Analg** 1987 Oct;66(10):983–5

ANALYSIS

[NORMAC—a simple instrument to measure the inspiratory and end– expiratory concentrations of halothane, enflurane, and isoflurane. Clinical use and laboratory investigations] Baer B. **Anaesthesist** 1987 May;36(5):242–5 (Eng. Abstr.) **(Ger)**

METABOLISM

Serum fluoride levels in morbidly obese patients: enflurane compared with isoflurane anaesthesia. Strube PJ, et al. **Anaesthesia** 1987 Jul;42(7):685–9

An in vivo 19F nuclear magnetic resonance study of isoflurane elimination from the rabbit brain. Mills P, et al. **Anesthesiology** 1987 Aug;67(2):169–73

In vivo 19F–NMR study of isoflurane elimination from brain. Wyrwicz AM, et al. **Biochim Biophys Acta** 1987 Jan 19; 927(1):86–91

Elimination of anesthetics from rabbit brain. Strum DP, et al. **Science** 1986 Dec 19;234(4783):1586–8

PHARMACODYNAMICS

Dose-related effects of isoflurane on superior mesenteric vasoconstriction induced by endotoxemia in the rat. Biber B, et al. **Acta Anaesthesiol Scand** 1987 Jul;31(5):430–7

Auditory evoked potentials during isoflurane anaesthesia. Schmidt JF, et al. **Acta Anaesthesiol Scand** 1986 Jul; 30(5):378–80

Isoflurane hyperpolarizes neurones in rat and human cerebral cortex. Berg-Johnsen J, et al. **Acta Physiol Scand** 1987 Aug; 130(4):679–85

Isoflurane effects in rat hippocampal cortex: a quantitative evaluation of different cellular sites of action. Berg-Johnsen J, et al. **Acta Physiol Scand** 1986 Dec;128(4):613–8

Temporal effects of halothane and isoflurane in laterally recumbent ventilated male horses. Dunlop CI, et al. **Am J Vet Res** 1987 Aug;48(8):1250–5

Skeletal muscle perfusion during prolonged 2.03% end–tidal isoflurane–O2 anesthesia in isocapnic ponies. Manohar M, et al. **Am J Vet Res** 1987 Jun;48(6):946–51

Cardiovascular and respiratory measurements in awake and isoflurane–anesthetized horses. Steffey EP, et al. **Am J Vet Res** 1987 Jan;48(1):7–12

The respiratory effects of isoflurane, enflurane and halothane in spontaneously breathing children. Murat I, et al. **Anaesthesia** 1987 Jul;42(7):711–8

The in vitro and in vivo effects of isoflurane and nitrous oxide on platelet aggregation. Fauss BG, et al. **Anesth Analg** 1986 Nov;65(11):1170–4

Isoflurane decreases the cortisol response to cardiopulmonary bypass. Flezzani P, et al. **Anesth Analg** 1986 Nov; 65(11):1117–22

Negative inotropic effects of halothane, enflurane, and isoflurane in papillary muscles from diabetic rats. Hattori Y, et al. **Anesth Analg** 1987 Jan;66(1):23–8

Negative inotropic effects of isoflurane and halothane in rabbit papillary muscles. Komai H, et al. **Anesth Analg** 1987 Jan;66(1):29–33

Comparison of halothane and isoflurane for rapid anesthetic induction. Loper K, et al. **Anesth Analg** 1987 Aug; 66(8):766–8

Comparison of direct blood pressure measurements at the radial and dorsalis pedis arteries during sodium nitroprusside– and isoflurane–induced hypotension. Abou–Madi M, et al. **Anesthesiology** 1986 Dec;65(6):692–5

Cerebral metabolism and EEG during combination of hypocapnia and isoflurane–induced hypotension in dogs. Artru AA. **Anesthesiology** 1986 Dec;65(6):602–8

Halothane relaxes previously constricted isolated porcine coronary artery segments more than isoflurane. Bollen BA, et al. **Anesthesiology** 1987 Jun;66(6):748–52

The cardiovascular effects of isoflurane in lambs. Brett CM, et al. **Anesthesiology** 1987 Jul;67(1):60–5

A comparison of the direct cerebral vasodilating potencies of halothane and isoflurane in the New Zealand white rabbit. Drummond JC, et al. **Anesthesiology** 1986 Nov; 65(5):462–7

Cardiovascular effects of and interaction between calcium blocking drugs and anesthetics in chronically instrumented dogs. III. Nicardipine and isoflurane. Hysing ES, et al. **Anesthesiology** 1986 Oct;65(4):385–91

Comparison of the effects of volatile anesthetics on brain glucose metabolism in rats. Kofke WA, et al. **Anesthesiology** 1987 Jun;66(6):810–3

Cardiovascular effects of and interaction between calcium blocking drugs and anesthetics in chronically instrumented dogs. IV. Chronically administered oral verapamil and halothane, enflurane, and isoflurane. Merin RG, et al. **Anesthesiology** 1987 Feb;66(2):140–6

Isoflurane when compared to enflurane and halothane decreases the frequency of cerebral ischemia during carotid endarterectomy. Michenfelder JD, et al. **Anesthesiology** 1987 Sep;67(3):336–40

Pulsed Doppler and two–dimensional echocardiography: comparison of halothane and isoflurane on cardiac function in infants and small children. Murray D, et al. **Anesthesiology** 1987 Aug;67(2):211–7

Myocardial circulatory and metabolic effects of isoflurane and sufentanil during coronary artery surgery. O'Young J, et al. **Anesthesiology** 1987 May;66(5):653–8

Cardiovascular and electrophysiologic interactions between diltiazem and isoflurane in the dog. Priebe HJ, et al. **Anesthesiology** 1987 Feb;66(2):114–21

Differential effects of isoflurane on human median nerve somatosensory evoked potentials. Samra SK, et al. **Anesthesiology** 1987 Jan;66(1):29–35

Pharmacologic EEG suppression during cardiopulmonary bypass: cerebral hemodynamic and metabolic effects of thiopental or isoflurane during hypothermia and normothermia. Woodcock TE, et al. **Anesthesiology** 1987 Aug;67(2):218–24

Effect of inhalation anesthetics on antipyrine pharmacokinetics of mice. Van Dyke RA, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):1023–7

Interaction of isoflurane with the binding of drugs to proteins in serum and liver cell cytosol. An in vitro study. Dale O, et al. **Br J Anaesth** 1986 Sep;58(9):1022–6

Isoflurane does not reduce aortic peak flow velocity in children. Gallagher TM, et al. **Br J Anaesth** 1986 Oct; 58(10):1116–21

Effect of isoflurane on the auditory evoked response in man. Heneghan CP, et al. **Br J Anaesth** 1987 Mar;59(3):277–82
Respiratory effects of nitrous oxide during isoflurane anaesthesia in children. Murat I, et al. **Br J Anaesth** 1986 Oct;58(10):1122–9
Effects of halothane, isoflurane and enflurane on ventilation in children. Wren WS, et al. **Br J Anaesth** 1987 Apr; 59(4):399–409
Anesthetic protection against anoxic damage in the rat hippocampal slice. Bendo AA, et al. **Brain Res** 1987 Feb 10;403(1):136–41
Systemic haemodynamic and metabolic effects of deliberate hypotension with isoflurane anaesthesia or sodium nitroprusside during total hip arthroplasty. Bernard JM, et al. **Can J Anaesth** 1987 Mar;34(2):135–40
Effect of halothane, enflurane and isoflurane on the end-systolic pressure–length relationship. Coetzee A, et al. **Can J Anaesth** 1987 Jul;34(4):351–7
Differential inotropic effects of halothane and isoflurane in dog ventricular tissues. Luk HN, et al. **Eur J Pharmacol** 1987 Apr 29;136(3):409–13
Evaluation of the mutagenic potential of enflurane and isoflurane by sister chromatid exchange. Trudnowski RJ, et al. **J Med Clin Exp Theor** 1987;18(1):55–60
Role of isoflurane on hemodynamic properties and disposition of nicardipine. Chelly JE, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):899–906
Haemodynamic changes in cardiac surgical patients during induction of anesthesia with isoflurane, pancuronium and lidocaine. Kang SM, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Sep;24(3):166–71
Haemodynamic effects of isoflurane in Chinese patients with ischemic heart disease. Luciana S, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Mar;24(1):25–30
Haemodynamic response to isoflurane anesthesia in patients with rheumatic heart disease. Luciana S, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Mar;24(1):14–24
Effects of chronic nifedipine administration on epinephrine-induced arrhythmias during isoflurane anesthesia in dogs. Lui PW, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Dec;24(4):237–42
Cardiovascular effects of isoflurane in patients with poor left ventricular function undergoing coronary bypass grafting. Wu KS, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Sep;24(3):172–8
Is isoflurane best for the cerebral circulation? Frost EA. **Mt Sinai J Med (NY)** 1987 May;54(4):283–9
Comparison of nitroprusside, nitroglycerin, and deep isoflurane anesthesia for induced hypotension. Maktabi M, et al. **Neurosurgery** 1986 Sep;19(3):350–5
Isoflurane effect on isolated non-pregnant human myometrium. Calvello DC, et al. **Proc West Pharmacol Soc** 1987;30:179–80
Isoflurane, halothane and survival time in hypoxic mice. Doss NW, et al. **Proc West Pharmacol Soc** 1987;30:339–41
[Clinical study of low-flow anesthesia with isoflurane. II. Respiratory effects of isoflurane in low-flow anesthesia and interaction of isoflurane and muscle relaxants] Chau SW, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Mar;24(1):2–13 (Eng. Abstr.) **(Chi)**
[Clinical study of low-flow anesthesia with isoflurane. I. Cardiovascular effects of isoflurane in low-flow anesthesia] Chau SW, et al. **Ma Tsui Hsueh Tsa Chi** 1985 Sep; 23(3):149–60 (Eng. Abstr.) **(Chi)**
[Hypometabolism induced by isoflurane and moderate hypothermia in aneurysm surgery with hypotension: evaluation by EEG] Lajoix M, et al. **Agressologie** 1987 Mar; 28(3):325–7 (Eng. Abstr.) **(Fre)**
[Propofol in the surgery of the aortic bifurcation. Comparison with isoflurane] Chauvreau C, et al. **Ann Fr Anesth Reanim** 1987;6(4):254–7 (Eng. Abstr.) **(Fre)**
[Direct observation of microcirculation in isoflurane anesthesia] Böhrer H, et al. **Anasth Intensivther Notfallmed** 1987 Apr;22(2):84–9 (Eng. Abstr.) **(Ger)**
[Effect of isoflurane, fentanyl and noxious stimuli on ischemic myocardium in dogs] Chinzei M, et al. **Masui** 1987 Apr; 36(4):509–26 (Eng. Abstr.) **(Jpn)**
[Effects of isoflurane anesthesia and surgery on the endocrine function in man] Iida T, et al. **Masui** 1987 Apr;36(5):568–75 (Eng. Abstr.) **(Jpn)**
[Effect of isoflurane anesthesia on hepatic circulation and hepatic oxygen metabolism] Matsumoto N, et al. **Masui** 1987 Apr;36(4):576–82 (Eng. Abstr.) **(Jpn)**
[Effects of isoflurane on renal function] Solares G, et al. **Rev Esp Anestesiol Reanim** 1987 Mar–Apr;34(2):115–7 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Isoflurane as an anesthetic for experimental animal surgery. Raper SE, et al. **Anat Rec** 1987 Jun;218(2):116–22
Status asthmaticus treated with isoflurane and enflurane. Parnass SM, et al. **Anesth Analg** 1987 Feb;66(2):193–5
A comparison of the cerebral protective effects of isoflurane and barbiturates during temporary focal ischemia in primates. Nehls DG, et al. **Anesthesiology** 1987 Apr; 66(4):453–64

TOXICITY

Cardiovascular and blood gas responses to inhaled anaesthetics in normoxic and hypoxic dogs. Naeije R, et al. **Acta Anaesthesiol Scand** 1986 Oct;30(7):538–44
Amrinone blunts cardiac depression caused by enflurane or isoflurane anesthesia in the dog. Makela VH, et al. **Anesth Analg** 1987 Mar;66(3):215–21
Is isoflurane dangerous for the patient with coronary artery disease? [editorial] Becker LC. **Anesthesiology** 1987 Mar; 66(3):259–61
Isoflurane induces coronary steal in a canine model of chronic coronary occlusion. Buffington CW, et al. **Anesthesiology** 1987 Mar;66(3):280–92
Hepatic oxygen supply and consumption in rats exposed to thiopental, halothane, enflurane, and isoflurane in the presence of hypoxia. Matsumoto N, et al. **Anesthesiology** 1987 Mar;66(3):337–43
Differential effects of isoflurane on regional right and left ventricular performances, and on coronary, systemic, and pulmonary hemodynamics in the dog. Priebe HJ. **Anesthesiology** 1987 Mar;66(3):262–72
Isoflurane causes regional myocardial dysfunction in dogs with critical coronary artery stenoses. Priebe HJ, et al. **Anesthesiology** 1987 Mar;66(3):293–300
Effects of isoflurane on coronary arteries and coronary arterioles in the intact dog. Sill JC, et al. **Anesthesiology** 1987 Mar;66(3):273–9

ISOFLUROPHATE

ADMINISTRATION & DOSAGE

Calcium or magnesium concentration affects the severity of organophosphate-induced neuromuscular block. Bradley RJ. **Eur J Pharmacol** 1986 Aug 15;127(3):275–8

ANTAGONISTS & INHIBITORS

Reversal of organophosphate-induced muscle block by neomycin. Bradley RJ. **Brain Res** 1986 Sep 3; 381(2):397–400
Studies on the efficacy of diethyxime as an antidote against organophosphorus intoxication in rats. Dube SN, et al. **Jpn J Pharmacol** 1986 Jul;41(3):267–71

METABOLISM

The catalytic center of lecithin:cholesterol acyltransferase: isolation and sequence of diisopropyl fluorophosphate-labeled peptides. Park YB, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):360–3
Complexes of heparin proteoglycans, chondroitin sulfate E proteoglycans, and [3H]diisopropyl fluorophosphate-binding proteins are exocytosed from activated mouse bone marrow-derived mast cells. Serafin WE, et al. **J Biol Chem** 1986 Nov 15;261(32):15017–21

PHARMACODYNAMICS

Regulation by serine esterase of histamine release from human leukocytes—I. Direct release of histamine by the serine esterase inhibitors diisopropyl fluorophosphate (DFP) and soman (GD). Meier HL, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4125–30
Effect of DFP on loading of fura 2/AM and quin 2/AM into single smooth muscle cells prepared from guinea pig taenia coli. Maruyama I, et al. **FEBS Lett** 1987 Aug 10; 220(1):89–92
Organophosphate and carbamate compounds have pre- and postjunctional effects at the insect glutamatergic synapse. Idriss MK, et al. **J Pharmacol Exp Ther** 1986 Oct; 239(1):279–85
Intracellular distribution of molecular forms of acetylcholinesterase in rat brain and changes after diisopropylfluorophosphate treatment. Sung SC, et al. **Neurochem Res** 1987 Jan;12(1):15–9
Cholinergic systems influence local cerebral glucose use in specific anatomical areas: diisopropyl phosphorofluoridate versus soman. Churchill L, et al. **Neuroscience** 1987 Jan; 20(1):329–39
Cross-tolerance between muscarinic agonists: role of muscarinic receptors. Collins AC, et al. **Pharmacol Biochem Behav** 1987 Jan;26(1):173–82
Quantitative assessment of tolerance development to diisopropylfluorophosphate. Lim DK, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):281–6
Dissociation of decreased numbers of muscarinic receptors from tolerance to DFP. Smolen TN, et al. **Pharmacol Biochem Behav** 1986 Dec;25(6):1293–301
Effects of chronic diisopropylfluorophosphate treatment on spatial learning in mice. Upchurch M, et al. **Pharmacol Biochem Behav** 1987 May;27(1):143–51
Effects of the organophosphate cholinesterase inhibitor (DFP) on hypothalamic acetylcholinesterase and pituitary-adrenal activity. Kokka N, et al. **Proc West Pharmacol Soc** 1987;30:219–21
Selective inactivation of influenza C esterase: a probe for detecting 9-O-acetylated sialic acids. Muchmore EA, et al. **Science** 1987 Jun 5;236(4806):1293–5
Differences in central and peripheral neural actions between soman and diisopropyl fluorophosphate, organophosphorus inhibitors of acetylcholinesterase. Misulis KE, et al. **Toxicol Appl Pharmacol** 1987 Jul;89(3):391–8
Di-isopropylfluorophosphate induced antinociception and its interactions with opioid drugs in the rat. Green PG, et al. **Toxicology** 1986 Dec 15;42(2–3):275–80

POISONING

Beneficial effect of carbamates against fluostigmine poisoning in rats. Das Gupta S, et al. **Pharmazie** 1987 Mar;42(3):206–7

TOXICITY

Alterations of high-energy phosphate compounds in the skeletal muscles of rats intoxicated with diisopropylphosphorofluoridate (DFP) and Soman. Gupta RC, et al. **Fundam Appl Toxicol** 1987 Apr;8(3):400–7
The effects of diisopropyl phosphorofluoridate (DFP) on inter-response time and circadian patterns of lever-pressing in rats. Raslear TG, et al. **Neurobehav Toxicol Teratol** 1986 Nov-Dec;8(6):655–8
Di-isopropyl-fluorophosphate (DFP): acute toxicity and sleep. Gnadt JW, et al. **Neurotoxicology** 1986 Fall; 7(3):165–71
Sex differences in the recovery of brain acetylcholinesterase activity following a single exposure to DFP. Smolen A, et al. **Pharmacol Biochem Behav** 1987 Apr;26(4):813–20
Interaction of cycloheximide and diisopropylphosphorofluoridate (DFP) during subchronic administration in rat. Gupta RC, et al. **Toxicol Appl Pharmacol** 1987 Aug;90(1):52–9
Central-peripheral delayed neuropathy caused by diisopropyl phosphorofluoridate (DFP): segregation of peripheral nerve and spinal cord effects using biochemical, clinical, and morphological criteria. Lotti M, et al. **Toxicol Appl Pharmacol** 1987 Mar 30;88(1):87–96

ISOFOSFAMIDE see **IFOSFAMIDE**

ISOHEPTANES see **HEPTANES**

ISOHEXANES see **HEXANES**

ISOIMMUNIZATION, RHESUS see **RH ISOIMMUNIZATION**

ISOLATION, PATIENT see **PATIENT ISOLATION**

ISOLATION PERFUSION THERAPY see **PERFUSION, REGIONAL**

ISOLATION, SOCIAL see **SOCIAL ISOLATION**

ISOLEUCINE

ADMINISTRATION & DOSAGE

Isoleucine requirement of young growing male guinea pigs. Ayers LS, et al. **J Nutr** 1987 Jun;117(6):1098–101

ANALOGS & DERIVATIVES

[Preparation of 99mTc-PI as a cholescintigraphic agent and its clinical applications] Guan CT, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Mar;17(1):67–70 (Eng. Abstr.) **(Chi)**

BIOSYNTHESIS

Acetohydroxy acid synthase I is required for isoleucine and valine biosynthesis by Salmonella typhimurium LT2 during growth on acetate or long-chain fatty acids. Dailey FE, et al. **J Bacteriol** 1987 Feb;169(2):917–9
The complete nucleotide sequence of the ilvGMEDA operon of Escherichia coli K-12. Lawther RP, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2137–55
Growth of Paracoccus denitrificans on [2,3-13C]succinate and [1,4-13C]succinate. II. Isoleucine biosynthesis. Dunstan RH, et al. **Proc R Soc Lond [Biol]** 1987 Aug 21; 231(1264):349–58

GENETICS

Common evolutionary origin of the ilvGMEDA attenuation locus and tRNA(1Leu) in Escherichia coli. Williamson RM, et al. **J Bacteriol** 1987 Jun;169(6):2893–5
Specificity of the attenuation response of the threonine operon of Escherichia coli is determined by the threonine and isoleucine codons in the leader transcript. Lynn SP, et al. **J Mol Biol** 1987 Mar 5;194(1):59–69

METABOLISM

Isoleucyl-tRNA synthetase from Escherichia coli MRE 600: discrimination between isoleucine and valine with modulated accuracy. Freist W, et al. **Biol Chem Hoppe Seyler** 1987 Mar;368(3):229–37
Branched-chain amino acid interactions in skeletal muscle: isoleucine and L-alloisoleucine. Downey RS, et al. **JPEN J Parenter Enteral Nutr** 1986 Sep-Oct;10(5):456–62
The proofreading of hydroxy analogues of leucine and isoleucine by leucyl-tRNA synthetases from E. coli and yeast. Englisch S, et al. **Nucleic Acids Res** 1986 Oct 10; 14(19):7529–39

PHARMACODYNAMICS

Decreased uptake of glucose by human forearm during infusion of leucine, isoleucine, or threonine. Schwenk WF, et al. **Diabetes** 1987 Feb;36(2):199–204

3-ISOLEUCINE,8-LEUCINE VASOPRESSIN see

OXYTOCIN

ISOLEUCYL, LEUCYL VASOPRESSIN see OXYTOCIN

ISOLEUCYL T RNA SYNTHETASE see under AMINO ACYL T RNA SYNTHETASES

3-ISOLEUCYL VASOPRESSIN see VASOTOCIN

ISOMALTOSE see under DISACCHARIDES

ISOMERASES

Crystal structure of muconate lactonizing enzyme at 3 A resolution. Goldman A, et al. **J Mol Biol** 1987 Mar 5; 194(1):143–53

ANALYSIS

A spectrophotometric assay for deacetoxycephalosporin C synthase. Baldwin JE, et al. **FEBS Lett** 1987 Apr 20; 214(2):357–61

Immunochemical and kinetic evidence for two different prostaglandin H-prostaglandin E isomerases in sheep vesicular gland microsomes. Tanaka Y, et al. **J Biol Chem** 1987 Jan 25;262(3):1374–81

ANTAGONISTS & INHIBITORS

Inhibition of cholesterol biosynthesis in 3T3 fibroblasts by 2-aza-2,3-dihydrosqualene, a rationally designed 2,3-oxidosqualene cyclase inhibitor. Gerst N, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4243–50

Detection of a transient enzyme-steroid complex during active-site-directed irreversible inhibition of 3-oxo-delta 5-steroid isomerase. Bevins CL, et al. **Biochemistry** 1986 Sep 9;25(18):5159–64

BIOSYNTHESIS

Biosynthesis of monoterpenes. Enantioselectivity in the enzymatic cyclization of (+)- and (-)-linalyl pyrophosphate to (+)- and (-)-bornyl pyrophosphate. Croteau R, et al. **J Biol Chem** 1986 Oct 15;261(29):13438–45

Glucose regulation of cephamycin biosynthesis in Streptomyces lactamdurans is exerted on the formation of alpha-aminoadipyl-cysteinyl-valine and deacetoxycephalosporin C synthase. Cortés J, et al. **J Gen Microbiol** 1986 Jul;132 (Pt 7):1805–14

DEFICIENCY

Immunochemical studies of fibroblasts from patients with methylmalonyl-CoA mutase apoenzyme deficiency: detection of a mutation interfering with mitochondrial import. Fenton WA, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1421–4

GENETICS

Sequence of membrane-associated thyroid hormone binding protein from bovine liver: its identity with protein disulphide isomerase. Yamauchi K, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1485–92

A C-terminal signal prevents secretion of luminal ER proteins. Munro S, et al. **Cell** 1987 Mar 13;48(5):899–907

Molecular cloning of the beta-subunit of human prolyl 4-hydroxylase. This subunit and protein disulphide isomerase are products of the same gene. Pihlajaniemi T, et al. **EMBO J** 1987 Mar;6(3):643–9

Cloning and complete nucleotide sequence determination of the catB gene encoding cis,cis-muconate lactonizing enzyme. Aldrich TL, et al. **Gene** 1987;52(2-3):185–95

Molecular cloning, characterization, and chromosomal localization of dapF, the Escherichia coli gene for diaminopimelate epimerase. Richaud C, et al. **J Bacteriol** 1987 Apr;169(4):1454–9

Molecular cloning and characterization of ARO7-OSM2, a single yeast gene necessary for chorismate mutase activity and growth in hypertonic medium. Ball SG, et al. **MGG** 1986 Nov;205(2):326–30

The ILV5 gene of Saccharomyces cerevisiae is highly expressed. Petersen JG, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):9631–51

Organization and nucleotide sequence determination of a gene cluster involved in 3-chlorocatechol degradation. Frantz B, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(13):4460–4

ISOLATION & PURIFICATION

A novel purification procedure for chalcone flavanone isomerase from Petunia hybrida and the use of its antibodies to characterize the Po mutation. Van Tunen AJ, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):85–91

Protein disulphide-isomerase from human placenta and rat liver. Purification and immunological characterization with monoclonal antibodies. Kaetzel CS, et al. **Biochem J** 1987 Jan 1;241(1):39–47

Copurification and characterization of deacetoxycephalosporin C synthetase/hydroxylase from Cephalosporium acremonium. Dotzlaf JE, et al. **J Bacteriol** 1987 Apr;169(4):1611–8

A single polypeptide acts both as the beta subunit of prolyl 4-hydroxylase and as a protein disulfide-isomerase. Koivu J, et al. **J Biol Chem** 1987 May 15;262(14):6447–9

Purification and properties of prostaglandin H-E isomerase from the cytosol of human brain: identification as anionic forms of glutathione S-transferase. Ogorochi T, et al. **J Neurochem** 1987 Mar;48(3):900–9

Purification and properties of testicular 3 beta-hydroxy-5-ene-steroid dehydrogenase and 5-ene-4-ene isomerase. Ishii-Ohba H, et al. **J Steroid Biochem** 1986 Oct;25(4):555–60

Chorismate mutase from Streptomyces aureofaciens. Görisch H. **Methods Enzymol** 1987;142:463–72

METABOLISM

Partial purification and characterization of pentalenene synthase. Cane DE, et al. **Arch Biochem Biophys** 1987 May 1;254(2):421–9

Enzymatic conversion of leukotriene B4 to 6-trans-leukotriene B4 by rat kidney homogenates. Breuer O, et al. **Biochem Biophys Res Commun** 1987 Feb 13; 142(3):667–73

Affinity alkylation of 3-oxo-delta 5-steroid isomerase by steroidal 3 beta-oxiranes: identification of the modified amino acid by reduction with hydroxyborohydride. Bounds PL, et al. **Biochemistry** 1987 Apr 21;26(8):2263–9

Protein disulfide-isomerase retains procollagen prolyl 4-hydroxylase structure in its native conformation. Koivu J, et al. **Biochemistry** 1986 Oct 7;25(20):5982–6

Mechanism of action of isopentenyl pyrophosphate isomerase: evidence for a carbonium ion intermediate. Reardon JE, et al. **Biochemistry** 1986 Sep 23;25(19):5609–16

Cobalamin-folate interrelations [letter] Parry TE. **Blood** 1987 Mar;69(3):974–5

The prephenate dehydrogenase component of the bifunctional T-protein in enteric bacteria can utilize L-arogenate. Ahmad S, et al. **FEBS Lett** 1987 May 25; 216(1):133–9

Beta-oxidation of polyunsaturated fatty acids in peroxisomes. Subcellular distribution of delta 3,delta 2-enoyl-CoA isomerase activity in rat liver. Kärki T, et al. **FEBS Lett** 1987 May 11;215(2):228–32

Alginate biosynthetic enzymes in mucoid and nonmucoid Pseudomonas aeruginosa: overproduction of phosphomannose isomerase, phosphomannomutase, and GDP-mannose pyrophosphorylase by overexpression of the phosphomannose isomerase (pmi) gene. Sá-Correia I, et al. **J Bacteriol** 1987 Jul;169(7):3224–31

Interchain disulfide bond formation in types I and II procollagen. Evidence for a protein disulfide isomerase catalyzing bond formation. Koivu J, et al. **J Biol Chem** 1987 May 5;262(13):6159–64

Monoterpene cyclases. Stereoelectronic requirements for substrate binding and ionization. Wheeler CJ, et al. **J Biol Chem** 1987 Jun 15;262(17):8213–9

Effect of ketoconazole on placental aromatase, 3 beta-hydroxysteroid dehydrogenase-isomerase and 17 beta-hydroxysteroid dehydrogenase. Ayub M, et al. **J Steroid Biochem** 1986 Dec;25(6):981–4

Protein chemistry. Folding into the right shape [news] Freedman R. **Nature** 1987 Sep 17-23;329(6136):196–7

Enzyme identity maintained [letter] Freedman RB. **Nature** 1987 Sep 24-30;329(6137):294–5

Protein folding. A case of mistaken identity [news] Pain RH. **Nature** 1987 Jul 23-29;328(6128):298

Direct demonstration of the isomerization component of the monoterpene cyclase reaction using a cyclopropylcarbinyl pyrophosphate substrate analog. Wheeler CJ, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4856–9

The visual cycle operates via an isomerase acting on all-trans retinol in the pigment epithelium. Bridges CD, et al. **Science** 1987 Jun 26;236(4809):1678–80

Effect of membrane lipid environment on the activity of bovine adrenal 3-oxo-delta 5-steroid isomerase. Wehrle JP, et al. **Steroids** 1986 Feb-Mar;47(2-3):115–30

[Inhibitory effect on delta 5-3 beta-hydroxysteroid dehydrogenase, delta 4-delta 5-isomerase and 17 alpha-hydroxylase activities of pig adrenal microsomes by various inhibitors of steroid metabolizing enzyme and steroids] Nishimura K, et al. **Yakugaku Zasshi** 1986 Sep; 106(9):818–24 (Eng. Abstr.) **(Jpn)**

ISOMERISM

Optical isomer separation by liquid chromatography. Armstrong DW. **Anal Chem** 1987 Jan 15;59(2):84A–91A

Acute and subchronic toxicity of tetramethylcyclohexanes. Johannsen FR, et al. **J Appl Toxicol** 1987 Aug;7(4):245–8

ISOMETRIC CONTRACTION see under MUSCLE CONTRACTION

ISONIAZID

Studies on organomercury(II) complexes of isoniazid. Bhatia S, et al. **J Inorg Biochem** 1987 Mar;29(3):181–6

A simple technique for entrapping rifampicin and isoniazid into liposomes. Wasserman M, et al. **Tubercle** 1986 Jun; 67(2):83–90

ADMINISTRATION & DOSAGE

The age threshold for isoniazid chemotherapy [letter] **JAMA** 1987 Apr 3;257(13):1728–9

The impact of MDT implementation in the Tanzania National TB-Leprosy Programme. Chum HJ. **Lepr Rev** 1986;57 Suppl 3:63–6

The Malta experience. Isoprodian-rifampicin combination treatment for leprosy. Depasquale G. **Lepr Rev** 1986;57 Suppl 3:29–37

Comparison of DDS with two combined chemotherapy regimens for multibacillary leprosy. Results after 3 years of treatment. A prospective randomized multicentre study. Dietrich M, et al. **Lepr Rev** 1986;57 Suppl 3:60–2

First assessment of the Malta Leprosy Eradication Project. Leiker DL. **Lepr Rev** 1986;57 Suppl 3:42–6

Applesauce and isoniazid [letter] Abernathy RS. **Pediatrics** 1987 Mar;79(3):483–4

[Long term results of short course chemotherapy in pulmonary tuberculosis--(1st study):twelve- and eighteen-month chemotherapy with rifampicin-isoniazid and ethambutol] Baba H, et al. **Kekkaku** 1986 Jul; 61(7):371–7 (Eng. Abstr.) **(Jpn)**

[Prognosis of isoniazid-resistant patients of pulmonary tuberculosis] Yoshida F, et al. **Kekkaku** 1987 Jan; 62(1):17–24 (Eng. Abstr.) **(Jpn)**

[Use of ultrasonic aerosols in phthisiology and pulmonology] Pilipchuk NS, et al. **Klin Med (Mosk)** 1986 Dec; 64(12):36–40 **(Rus)**

[Effect of antituberculosis therapy on the course of syphilitic infection] Glozman VN, et al. **Vestn Dermatol Venerol** 1986; (9):72–3 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Profound acidosis caused by isoniazid ingestion. Hankins DG, et al. **Am J Emerg Med** 1987 Mar;5(2):165–6

Severe febrile reaction to isoniazid. Gabrail NY. **Chest** 1987 Apr;91(4):620–1

Shoulder muscle amyotrophy following isoniazid therapy [letter] Tripathi K, et al. **J Assoc Physicians India** 1986 Jun;34(6):454–5

Isoniazid-induced valproic-acid toxicity, or vice versa [letter] Dockweiler U. **Lancet** 1987 Jul 18;2(8551):152

Side effects of isoniazid [letter] Dippenaar J, et al. **S Afr Med J** 1987 Jul 4;72(1):89

[Histamine-like reaction in tuberculosis patients eating fish containing much histamine under treatment with isoniazid in 277 cases] Diao YF. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Oct;9(5):267–9, 317–8 (Eng. Abstr.) **(Chi)**

[Drug-induced pellagroid erythema. A case of pellagroid erythema caused by isoniazide] Schmutz JL, et al. **Ann Dermatol Venereol** 1987;114(4):569–76 **(Fre)**

[Toxic bilateral optic neuropathy caused by ethambutol and isoniazid] Furia M, et al. **Bull Soc Ophtalmol Fr** 1986 Dec; 86(12):1421–2 (Eng. Abstr.) **(Fre)**

[Hepatotoxicity of isoniazid: influence of carbamazepine? (letter)] Barbare JC, et al. **Gastroenterol Clin Biol** 1986 Jun-Jul;10(6-7):523–4 **(Fre)**

ANALOGS & DERIVATIVES

Effect of rifampin, phenobarbital pretreatment, and acetylator phenotype on acetylisoniazid metabolism in the rabbit. Thomas BH, et al. **Can J Physiol Pharmacol** 1987 Mar; 65(3):419–23

Replacement of transferrin in serum-free cultures of mitogen-stimulated mouse lymphocytes by a lipophilic iron chelator. Brock JH, et al. **Immunol Lett** 1987 May; 15(1):23–5

Role of iron in the proliferation of the established human tumor cell lines U-937 and K-562: effects of suramin and a lipophilic iron chelator (PIH). Forsbeck K, et al. **Scand J Haematol** 1986 Nov;37(5):429–37

[Basic experiment on the action of isobutol in tuberculosis] Gao DZ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Dec;9(6):356–8, 383 (Eng. Abstr.) **(Chi)**

[Aldozone--a new derivative of isoniazid synthesized using a monomeric hydrocarbon matrix as the base] Prilmak AA, et al. **Probl Tuberk** 1987;(1):53–7 (Eng. Abstr.) **(Rus)**

ANALYSIS

Spectrophotometric estimation of rifampin-isoniazid mixture in dosage form. Sharma SC, et al. **J Assoc Off Anal Chem** 1987 Jul-Aug;70(4):679–81

BLOOD

A simple method for determining acetylator phenotype using isoniazid. Hutchings A, et al. **Br J Clin Pharmacol** 1986 Sep;22(3):343–5

Serum concentration of isoniazid following administration of the drug alone and in combination with rifampicin in patients of pulmonary tuberculosis [letter] Singhal KC, et al. **Indian J Physiol Pharmacol** 1986 Jan-Mar;30(1):115–7

METABOLISM

Spin trapping of free radical intermediates produced during the metabolism of isoniazid and iproniazid in isolated hepatocytes. Albano E, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):2913–20

Formation and persistence of isoniazid-DNA adducts in mouse tissues. Maru GB, et al. **Hum Toxicol** 1987 Mar; 6(2):153–8

Serum concentration and urinary excretion of ethambutol administered alone and in combination with isoniazid in patients of pulmonary tuberculosis. Singhal KC, et al.

Indian J Physiol Pharmacol 1985 Oct-Dec;29(4):223-6
Determination of the isoniazid metabolite monoacetylhydrazine in urine by high-performance liquid chromatography. Jenner PJ, et al. **J Chromatogr** 1987 Mar 20;415(1):188-96
[Indicators of INH inactivation determined using a biological method and its use in monitoring antitubercular treatment] Czaplińska-Jóźwiak E, et al. **Pneumonol Pol** 1986 Dec; 54(12):535-40 (Eng. Abstr.) **(Pol)**
[Acetylation phenotype and biotransformation of various drugs] Grygorowicz J, et al. **Wiad Lek** 1987 Mar 1; 40(5):319-23 (13 ref.) (Eng. Abstr.) **(Pol)**
[Isoniazid acetylation in hepatic cirrhosis] Pereira Filho RA, et al. **Rev Paul Med** 1985 Nov-Dec;103(6):276-9 (Eng. Abstr.) **(Por)**
[Pharmacokinetics of isoniazid in patients with pulmonary tuberculosis and alcoholism] Koriakin VA, et al. **Probl Tuberk** 1986;(12):43-6 (Eng. Abstr.) **(Rus)**
[Preliminary study of the phenotype for acetylation in Teribe Amerindians] Arias TD, et al. **Rev Med Panama** 1987 Jan; 12(1):30-6 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Effects of isoniazid and its metabolites on phenytoin biotransformation in isolated rat hepatocytes. Noda H, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan;35(1):277-81
Interaction between isoniazid and theophylline. Höglund P, et al. **Eur J Respir Dis** 1987 Feb;70(2):110-6
Effect of microinjections of gamma-vinyl GABA or isoniazid into substantia nigra on the development of amygdala kindling in rats. Löscher W, et al. **Exp Neurol** 1987 Mar; 95(3):622-38
Studies on somatic mutation induction in the mouse with isoniazid and hydrazine. Neuhäuser-Klaus A, et al. **Mutat Res** 1987 Jun;191(2):111-6
Halothane hepatotoxicity in Fischer 344 rats pretreated with isoniazid. Rice SA, et al. **Toxicol Appl Pharmacol** 1987 Mar 15;87(3):411-9
[Effect of rifampin, isoniazid and streptomycin on E receptors of T cells] Du BY, et al. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Dec;9(6):348-9, 382 (Eng. Abstr.) **(Chi)**
[Biological properties of drug-sensitive Mycobacterium tuberculosis] Ginzburg TS, et al. **Probl Tuberk** 1986; (7):58-60 (Eng. Abstr.) **(Rus)**
[Potentiating the specific activity of isoniazid and streptomycin by benzimidazole derivatives] Vishnevskiĭ BI. **Probl Tuberk** 1987;(2):58-61 (Eng. Abstr.) **(Rus)**

POISONING

Acute isoniazid toxicity--report of 2 cases and review of literature. Gilhotra R, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 May;25(5):259-61
Isoniazid overdose in the Cambodian population of Olmsted County, Minnesota. Blanchard PD, et al. **JAMA** 1986 Dec 12;256(22):3131-3
Emergency department management of children with acute isoniazid poisoning. Parish RA, et al. **Pediatr Emerg Care** 1986 Jun;2(2):88-90
Isoniazid poisoning. A report of 2 cases. Goldin JG, et al. **S Afr Med J** 1987 Aug 1;72(3):223-4
[Emergency nursing care of the patient with acute isoniazid poisoning] Liu XF. **Chung Hua Hu Li Tsa Chih** 1986 Aug; 21(5):206-7 **(Chi)**

THERAPEUTIC USE

Tuberculosis chemoprophylaxis in compromised host [letter] Aguado AG, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1379
Isoniazid prophylaxis in hepatitis B carriers. McGlynn KA, et al. **Am Rev Respir Dis** 1986 Oct;134(4):666-8
Implications of emerging isoniazid resistance in Mycobacterium tuberculosis in Korea. Berliner DS, et al. **Aviat Space Environ Med** 1987 Jan;58(1):83-5
Effects of recombinant interferon-gamma and chemotherapy with isoniazid and rifampicin on infections of mouse peritoneal macrophages with Listeria monocytogenes and Mycobacterium microti in vitro. Khor M, et al. **Br J Exp Pathol** 1986 Oct;67(5):707-17
Isoniazid-induced alteration of CSF neurotransmitter amino acids in Huntington's disease. Manyam BV, et al. **Brain Res** 1987 Apr 7;408(1-2):125-30
Pulmonary tuberculosis, cryoglobulinemia and immunecomplex glomerulonephritis [letter] Teruel JL, et al. **Clin Nephrol** 1987 Jan;27(1):48-9
Efficacy of rifampicin and isoniazid in cutaneous leishmaniasis. Livshin R, et al. **Int J Dermatol** 1987 Jan-Feb;26(1):55-9
Decision analysis for tuberculosis preventive treatment in nursing homes. Cooper JK. **J Am Geriatr Soc** 1986 Nov; 34(11):814-7
Decision analysis and INH therapy [letter] Murden RA. **J Am Geriatr Soc** 1987 Sep;35(9):887-8
From the Centers for Disease Control. Conference on new approaches for tuberculosis preventive therapy. Geiter LJ, et al. **J Infect Dis** 1987 Sep;156(3):536-7
A controlled trial of isoniazid therapy for action tremor in multiple sclerosis. Bozek CB, et al. **J Neurol** 1987 Jan; 234(1):36-9
Isoniazid prophylaxis [letter] **JAMA** 1987 Aug 21; 258(7):910-1
Prevention of tuberculosis among tuberculin reactors: maximizing benefits, minimizing risks [editorial] Comstock GW. **JAMA** 1986 Nov 21;256(19):2729-30
Discounting, isoniazid, and tuberculosis [letter] Rose DN, et al. **JAMA** 1987 Aug 21;258(7):910
The age threshold for isoniazid chemoprophylaxis. A decision analysis for low-risk tuberculin reactors. Rose DN, et al. **JAMA** 1986 Nov 21;256(19):2709-13
The use of rifampicin and isoniazid entrapped in liposomes for the treatment of Murine tuberculosis. Orozco LC, et al. **Tubercle** 1986 Jun;67(2):91-7
[Short-term clinical and histological evaluation of combination drug therapy of leprosy in Mayotte] Cnudde F, et al. **Acta Leprol (Geneve)** 1987 Apr-Jun;(105):115-24 (Eng. Abstr.) **(Fre)**
[Investigation on bacteriological relapses in cases of pulmonary tuberculosis treated with INH and RFP--report of the 27th B series of controlled trials of chemotherapy. Cooperative Study Unit of Chemotherapy of Tuberculosis of National Sanatoria in Japan (CSUCTNS)] Mochizuki K, et al. **Kekkaku** 1987 May;62(5):265-80 (Eng. Abstr.) **(Jpn)**

TOXICITY

[Antioxidant effectiveness in isoniazid-induced lesions of the liver] Skakun NP, et al. **Farmakol Toksikol** 1986 Jul-Aug; 49(4):86-9 (Eng. Abstr.) **(Rus)**

ISONICOTINIC ACID HYDRAZIDE see **ISONIAZID**

ISONICOTINIC ACIDS

ADMINISTRATION & DOSAGE

The impact of MDT implementation in the Tanzania National TB-Leprosy Programme. Chum HJ. **Lepr Rev** 1986;57 Suppl 3:63-6
The Malta experience. Isoprodian-rifampicin combination treatment for leprosy. Depasquale G. **Lepr Rev** 1986;57 Suppl 3:29-37
Comparison of DDS with two combined chemotherapy regimens for multibacillary leprosy. Results after 3 years of treatment. A prospective randomized multicentre study. Dietrich M, et al. **Lepr Rev** 1986;57 Suppl 3:60-2
First assessment of the Malta Leprosy Eradication Project. Leiker DL. **Lepr Rev** 1986;57 Suppl 3:42-6

BLOOD

Simultaneous and direct determination of pyridoxal, pyridoxal-5'-phosphate, and pyridoxic acid in serum by derivative synchronous fluorescence spectroscopy. Petidier A, et al. **Anal Biochem** 1986 Sep;157(2):212-20

CHEMICAL SYNTHESIS

Isonicotinates, nicotinates and clofibrates of N-methyl-N-(2-hydroxyethyl or 3-hydroxypropyl)--1,3,3-trimethylbicyclo [2.2.1]heptan-2-endo-amine with hypocholesterolemic and hypolipidemic activity. Bondavalli F, et al. **Farmaco [Sci]** 1987 Apr;42(4):251-7

METABOLISM

Plasma levels of ethionamide and prothionamide in a volunteer following intravenous and oral dosages. Jenner PJ, et al. **Lepr Rev** 1987 Mar;58(1):31-7

THERAPEUTIC USE

[Clinical and bacteriological assessment 8 years after triple-drug therapy for multibacillary leprosy in Senegal] Dousset-Faure I, et al. **Acta Leprol (Geneve)** 1986 Oct-Dec; (103):465-72 (Eng. Abstr.) **(Fre)**

URINE

Determination of urinary 4-pyridoxic acid levels as 4-pyridoxic acid lactone using high-performance liquid chromatography. Ubbink JB, et al. **Am J Clin Nutr** 1986 Nov;44(5):698-703

ISONIPECAIN see **MEPERIDINE**

ISONIPECOTIC ACIDS

ADMINISTRATION & DOSAGE

Patient-controlled analgesia with piritramid for the treatment of postoperative pain. Lehmann KA, et al. **Acta Anaesthesiol Belg** 1986;37(4):247-57

THERAPEUTIC USE

[Antiemetic effect of metopimazine measured by the apomorphine test] Cournot A, et al. **Therapie** 1987 Mar-Apr;42(2):183-6 (Eng. Abstr.) **(Fre)**

ISOOCTANES see **OCTANES**

ISOPENTANES see **PENTANES**

ISOPENTENYLADENOSINE see under **ADENOSINE**

ISOPHENYLEPHRINE see **METARAMINOL**

ISOPHOSPHAMIDE see **IFOSFAMIDE**

ISOPREGNENONE see **DYDROGESTERONE**

ISOPRENALINE see **ISOPROTERENOL**

ISOPRENOID PHOSPHATE SUGARS see **POLYISOPRENYL PHOSPHATE SUGARS**

ISOPRENOID PHOSPHATES see **POLYISOPRENYL PHOSPHATES**

ISOPRINOSINE see under **INOSINE**

ISOPROPAMIDE IODIDE

ADVERSE EFFECTS

Phenothiazine-induced oculogyric crisis. Skorin L Jr, et al. **J Am Optom Assoc** 1987 Apr;58(4):316-8

ISOLATION & PURIFICATION

Separation and determination of isopropamide iodide in pharmaceutical formulations by reversed-phase ion-pair high-performance liquid chromatography. De Schutter JA, et al. **J Chromatogr** 1986 Sep 24;366:321-8

ISOPROPANOL see **ALCOHOL, PROPYL**

ISOPROPYL ALCOHOL see **ALCOHOL, PROPYL**

ISOPROPYLARTERENOL see **ISOPROTERENOL**

N-ISOPROPYLATROPINE see under **ATROPINE DERIVATIVES**

2-ISOPROPYLMALATE SYNTHASE see under **KETOACID-LYASES**

ISOPROPYL THIOGALACTOSIDE see under **THIOGLYCOSIDES**

ISOPROTERENOL

Relation between graded, subcritical impairments of coronary flow reserve and regional myocardial dysfunction induced by isoproterenol infusion in dogs. Mancini GB, et al. **Am Heart J** 1987 Apr;113(4):906-16
Increased incidence of isoproterenol-induced ventricular fibrillation in aging rats. Guideri G, et al. **Can J Physiol Pharmacol** 1987 Apr;65(4):504-8
Antitachycardiac effect of OPC-8212, a novel cardiotonic agent, on tachycardiac responses of guinea pig isolated right atria to isoproterenol and histamine. Yanagisawa T, et al. **J Cardiovasc Pharmacol** 1987 Jul;10(1):47-54
[Significance of sarcolemma damage in the pathogenesis of myocardial ischemia induced by pituitrin-isadrin and its correction using the antioxidant dibunol] Konorev EA, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):532-4 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Massive propranolol overdose [letter] Hurwitz MD, et al. **Am J Med** 1986 Dec;81(6):1118
Multicenter study of bitolterol and isoproterenol nebulizer solutions in nonsteroid-using patients. Pinnas JL, et al. **J Allergy Clin Immunol** 1987 May;79(5):768-75
Influence of AQ-A39, a bradycardic agent, on cardiovascular responses to isoproterenol in the anesthetized dog. Wenger HC, et al. **J Cardiovasc Pharmacol** 1987 Feb;9(2):246-53

ADVERSE EFFECTS

Isoproterenol-associated myocardial dysfunction during status asthmaticus. Page R, et al. **Ann Allergy** 1986 Dec; 57(6):402-4, 429-30
Myocardial ischemia complicating therapy of status asthmaticus. Mikhail MS, et al. **Clin Pediatr (Phila)** 1987 Aug;26(8):419-21
Myocardial specific creatine phosphokinase isoenzyme elevation in children with asthma treated with intravenous isoproterenol. Maguire JF, et al. **J Allergy Clin Immunol** 1986 Oct;78(4 Pt 1):631-6

ANALOGS & DERIVATIVES

Conjugates of catecholamines. VII. Synthesis and beta-adrenergic activity of peptide catecholamine conjugates. Fukuda M, et al. **Int J Pept Protein Res** 1987 Mar;29(3):300-17
Pharmacokinetics and excretion of unique beta-adrenergic agonists. Ferraiolo BL, et al. **Pharmacology** 1987; 34(2-3):157-66

ANTAGONISTS & INHIBITORS

A single dose of three different ophthalmic beta-blockers antagonizes the chronotropic effect of isoproterenol in healthy volunteers. Berlin I, et al. **Clin Pharmacol Ther** 1987 Jun;41(6):622-6
Somatostatin inhibits VIP- and isoproterenol-stimulated cyclic AMP accumulation in rat prostatic epithelial cells. Carmena MJ, et al. **FEBS Lett** 1987 Jun 22;218(1):73-6

The protein-specific phosphatase 1 antagonizes the beta-adrenergic increase of the cardiac Ca current. Kameyama M, et al. **Pflugers Arch** 1986 Oct;407(4):461-3

[Influences of agents which affect ionic conductance on the tachycardiac effect of catecholamines: antitachycardiac effect] Yanagisawa T, et al. **Kokyu To Junkan** 1986 Nov; 34(11):1153-8 (Eng. Abstr.) **(Jpn)**

BLOOD

Noradrenaline and isoproterenol kinetics in diabetic patients with and without autonomic neuropathy. Dejgaard A, et al. **Diabetologia** 1986 Nov;29(11):773-7

DIAGNOSTIC USE

Isoproterenol infusion stress two-dimensional echocardiography in diagnosis of coronary artery disease in elderly patients. Comparison with the other stress testing methods. Fujita T, et al. **Jpn Heart J** 1986 May; 27(3):287-97

[The isoprenaline test in the diagnosis of coronary lesions in calcified aortic stenosis (letter)] Schurtz C, et al. **Presse Med** 1986 Oct 25;15(37):1883 **(Fre)**

[Catecholamine behavior, adrenoreceptor density of intact cells and sensitivity to catecholamines in a patient with orthostatic hypotension] Lehmann M, et al. **Klin Wochenschr** 1986 Dec 1;64(23):1249-54 (Eng. Abstr.) **(Ger)**

[Differentiation of ejection systolic and regurgitant murmurs with inhaled isoproterenol] Sánchez S, et al. **Arch Inst Cardiol Mex** 1987 Mar-Apr;57(2):151-4 (Eng. Abstr.) **(Spa)**

METABOLISM

O-methylation of isoproterenol by the endothelium of the rabbit thoracic aorta. Head RJ, et al. **Blood Vessels** 1986; 23(6):279-87

An investigation of the role of adrenergic innervation in the regulation of the extraneuronal uptake of [3H]-isoprenaline into rat vasa deferentia and atria. Morton AJ. **Br J Pharmacol** 1987 Jun;91(2):333-46

A role for corticosterone in the in vivo regulation of the extraneuronal uptake of [3H]-isoprenaline into rat atria. Morton AJ. **Br J Pharmacol** 1987 Jun;91(2):347-53

Comparison of noradrenaline and isoprenaline removal in the canine hindlimb and kidney. Zimlichman R, et al. **Clin Exp Pharmacol Physiol** 1986 Nov-Dec; 13(11-12):777-81

The inverse relationship between drug affinity and effectiveness: prediction under rate theory, paradox under occupancy theory. O'Brien DR. **Med Hypotheses** 1987 Jul; 23(3):327-33

Ligand binding to the beta-adrenergic receptor involves its rhodopsin-like core. Dixon RA, et al. **Nature** 1987 Mar 5-11;326(6108):73-7

Inhibition by K+ of uptake2 of 3H-(+/-)-isoprenaline in the perfused rat heart. Ludwig J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):393-6

Effects of antiarrhythmic drugs on the extraneuronal accumulation of isoprenaline in perfused rat hearts. Sono K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Oct; 334(2):145-8

The membrane potential of vascular smooth muscle appears to modulate uptake2 of 3H-isoprenaline. Trendelenburg U. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jul; 336(1):33-6

Modulation of uptake2 of 3H-(+/-)-isoprenaline by isoprenaline-induced depolarization of rat salivary gland cells. Trendelenburg U. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):388-92

PHARMACODYNAMICS

Variability of negative T wave in hypertrophic cardiomyopathy: possible role of beta-adrenergic function. Sugishita Y, et al. **Acta Cardiol (Brux)** 1987;42(2):115-33

Comparison of atriopeptins II and III, VIP and beta 2-adrenoceptor-evoked relaxations of the two layers of smooth muscle in the rat portal vein. Bråtveit M, et al. **Acta Physiol Scand** 1987 Aug;130(4):593-9

Comparison of VIP and beta 2-adrenoceptor-induced relaxations in the circular and longitudinal smooth muscle layers of the rat portal vein. Rydningen HT, et al. **Acta Physiol Scand** 1987 Aug;130(4):601-7

Pre-infusion heart rates and laboratory-induced panic anxiety. Yeragani VK, et al. **Acta Psychiatr Scand** 1987 Jan;75(1):51-4

Immunocytochemical localization of a developmentally regulated, isoproterenol-inducible protein (LM protein) in rat submandibular gland. Yagil C, et al. **Am J Anat** 1986 Sep;177(1):55-62

Usefulness of isoproterenol facilitation of ventricular tachycardia induction during extrastimulus testing in predicting effective chronic therapy with beta-adrenergic blockade. Olshansky B, et al. **Am J Cardiol** 1987 Mar 1; 59(6):573-7

Mitral valve prolapse with symptoms of beta-adrenergic hypersensitivity. Beta 2-adrenergic receptor supercoupling with desensitization on isoproterenol exposure. Davies AO, et al. **Am J Med** 1987 Feb;82(2):193-201

Central adrenergic mechanisms in hemorrhage-induced vasopressin secretion. Brooks DP, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):H1158-62

[Na]i modulates isoproterenol's effect on Ca permeability in cultured heart cells. Kim D, et al. **Am J Physiol** 1987 Aug; 253(2 Pt 1):C253-62

Vasoactive agents affect mesangial cell adhesion. Kreisberg JI, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):C505-11

Voltage-dependent effects of isoproterenol on cytosolic Ca concentration in rat heart. Sheu SS, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):H697-703

Blood and isoproterenol reduce capillary permeability in cat hindlimb. Watson PD, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):H47-53

Possible mechanism for increased beta-adrenergic dipsogenic response in food-deprived rats. Yeh LF, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):R1170-6

The effects of beta-adrenergic drugs on the human sperm motility in vitro. I. The effects of propranolol and isoprenaline. Semczuk M. **Andrologia** 1987 Jun;19 Spec No:256-61

Canine cardiovascular responses to endotracheally and intravenously administered atropine, isoproterenol, and propranolol. Scott B, et al. **Ann Emerg Med** 1987 Jan; 16(1):1-10

Evidence for dual modulation of pepsinogen secretion using isoproterenol, carbachol, CCK-8, forskolin, 8 bromo-cAMP, and A23187 probes. Ballantyne GH, et al. **Ann Surg** 1986 Nov;204(5):559-65

"Stable" effects of insulin and isoproterenol on adipocyte pyruvate dehydrogenase. Cheng K, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):699-702

Effects of cyclic nucleotide derivatives on acetylcholine-induced secretion from isolated, perfused rat submandibular salivary glands. Martinez JR, et al. **Arch Oral Biol** 1986;31(7):483-7

Myothermal economy of rat myocardium, chronic adaptation versus acute inotropism. Holubarsch C, et al. **Basic Res Cardiol** 1986;81 Suppl 1:95-102

Reduced sensitivity to catecholamine in Werner's syndrome fibroblasts. Bannai S, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):183-9

Alpha-lactalbumin acts as a bimodal regulator of rat parotid acinar cell growth. Humphreys-Beher MG, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):174-81

A disbalance between beta-adrenergic and muscarinic responses caused by hydrogen peroxide in rat airways in vitro. Kramer K, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):357-62

Additive effect of VIP or isoproterenol on forskolin-stimulated cyclic AMP accumulation in rat prostatic epithelial cells. Carmena MJ, et al. **Biochem Int** 1986 Sep;13(3):479-85

Activation of rat parotid low Km cyclic AMP phosphodiesterase by isoproterenol. Teo TS, et al. **Biochem Int** 1987 Feb;14(2):327-36

Adrenergic regulation of formation of inositol phosphates in rat submandibular acini. Doughney C, et al. **Biochem J** 1987 Feb 1;241(3):705-9

Effects of stimulation of muscarinic and of beta-catecholamine receptors on the intracellular distribution of protein kinase C in guinea pig exocrine glands. Machado-de Domenech E, et al. **Biochem J** 1987 Mar 15;242(3):749-54

Accumulation of N1-acetylspermidine in heart and spleen of isoprenaline-treated rats. Stefanelli C, et al. **Biochem J** 1986 Aug 1;237(3):931-4

Mechanism of the inhibitory effect of trifluoperazine on isoprenaline-evoked amylase secretion from isolated rat parotid glands. Arkle S, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4121-4

Elimination of isoproterenol-induced proline-rich protein biosynthesis in rat salivary glands after adult thyroidectomy. Humphreys-Beher MG. **Biochem Pharmacol** 1987 Jun 15;36(12):2013-8

Effects of isoproterenol on active force and Ca2+ X calmodulin-sensitive phosphodiesterase activity in porcine coronary artery. Miller JR, et al. **Biochem Pharmacol** 1987 Jun 1;36(11):1819-24

Down-regulation of surface beta-adrenoceptors on intact human mononuclear leukocytes. Time-course and isoproterenol concentration dependence. Sandnes D, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1303-11

Effects of adrenergic agonists and mitochondrial energy state on the Ca2+ transport systems of mitochondria. Goldstone TP, et al. **Biochemistry** 1987 Jan 13;26(1):246-54

Beta 2-adrenergic regulation of prostaglandin D2 receptor in rabbit platelets. Hanasaki K, et al. **Biochim Biophys Acta** 1987 Feb 18;927(2):261-8

Isoproterenol inhibition of horse serum cholinesterase is connected with subunit dissociation. Söylemez Z, et al. **Biol Chem Hoppe Seyler** 1986 Aug;367(8):705-13

Catecholamine stimulation of androgen production by rat Leydig cells. Interactions with luteinizing hormone and luteinizing hormone-releasing hormone. Anakwe OO, et al. **Biol Reprod** 1986 Nov;35(4):806-14

Modification of relaxation of isometrically contracting rabbit papillary muscle by calcium, isoprenaline, ouabain and amiloride. Günther J, et al. **Biomed Biochim Acta** 1986; 45(7):925-30

Metabolic effects of (-)-isoprenaline stimulation of adenylate cyclase in reticulocytes. Kostic MM, et al. **Biomed Biochim Acta** 1986;45(8):973-83

alpha- and beta-adrenergic control of thermogenin mRNA expression in brown adipose tissue. Jacobsson A, et al. **Biosci Rep** 1986 Jul;6(7):621-31

Regional variation in beta-adrenoceptor-mediated relaxation of canine veins. Furuta T, et al. **Blood Vessels** 1986; 23(4-5):236-45

Relationships between heart rate and PR interval during physiological and pharmacological interventions. Carruthers SG, et al. **Br J Clin Pharmacol** 1987 Mar; 23(3):259-65

A response to isoprenaline unrelated to alpha- and beta-adrenoceptor agonism. Bond RA, et al. **Br J Pharmacol** 1987 Jul;91(3):683-6

Effects of sympathetic stimulation and applied catecholamines on mechanical and electrical responses to stimulation of the vagus nerve in guinea-pig isolated trachea. McCaig DJ. **Br J Pharmacol** 1987 Jun;91(2):385-94

Water versus NaCl intake by rats administered certain dipsogens acutely. Fregly MJ, et al. **Brain Res Bull** 1987 Feb;18(2):245-51

Effects of age and isoproterenol on the cardiac output and regional blood flow in the rat. Le Blanc PR, et al. **Can J Cardiol** 1987 Jun-Aug;3(5):246-50

The effects of isoproterenol, UDCG 115, and caffeine on the heart related to excitation-contraction coupling in heart muscle. Blanchard EM, et al. **Can J Physiol Pharmacol** 1987 Apr;65(4):659-66

Regional contractile responses in pulmonary artery to alpha- and beta-adrenoceptor agonists. Kolbeck RC, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1165-70

Long-term isoprenaline administration produces an increase in capillarity in the soleus muscle of the rat. Sillau AH, et al. **Can J Physiol Pharmacol** 1987 Mar;65(3):303-6

Role of adenosine in mediating myocardial blood flow response to isoproterenol: observations in closed chest, sedated, domestic swine. Gewirtz H, et al. **Cardiovasc Res** 1986 Jul;20(7):504-11

Contractile properties of papillary muscle from young cardiomyopathic hamsters: effects of isoprenaline. Rossner KL, et al. **Cardiovasc Res** 1986 Aug;20(8):609-13

In vivo effects of catecholamines and glucocorticoids on mouse thymic cAMP content and thymolysis. Durant S. **Cell Immunol** 1986 Oct 1;102(1):136-43

Comparative effects of non-steroidal anti-inflammatory drugs, mefenamic acid, metiazinic acid and glucametacin on the inflammatory response induced by subcutaneous implantation of human dental plaque and on the mitotic activity of isoproterenol-stimulated parotid glands of rats. Akatsu T, et al. **Cell Mol Biol** 1986;32(5):619-26

Association of decreased myocardial beta-receptors and chronotropic response to isoproterenol and exercise in pigs following chronic dynamic exercise. Hammond HK, et al. **Circ Res** 1987 May;60(5):720-6

Mechanical determinants of maximum isotonic lengthening rate in rat left ventricular myocardium. Zile MR, et al. **Circ Res** 1987 Jun;60(6):815-23

Increased sensitivity of the denervated transplanted human heart to isoprenaline both before and after beta-adrenergic blockade. Yusuf S, et al. **Circulation** 1987 Apr; 75(4):696-704

Additive effect of theophylline on the cardiac response to isoproterenol. Cusack BJ, et al. **Clin Pharmacol Ther** 1987 Mar;41(3):289-96

Effects of forskolin, isoproterenol and lithium ions on leucophores of a teleost, Oryzias latipes: evidence for involvement of adenylate cyclase in pigment-dispersion response. Namoto S, et al. **Comp Biochem Physiol [C]** 1987; 86(1):91-5

Nyctohemeral rhythm in melatonin response to isoproterenol in vitro: comparison of rats and Syrian hamsters. Vaughan GM, et al. **Comp Biochem Physiol [C]** 1987;87(1):71-4

Temperature-dependence of maturation of chronotropic and inotropic responses to isoproterenol. Park MK, et al. **Dev Pharmacol Ther** 1987;10(2):133-44

Catecholamines and tumour promoting phorbolesters inhibit insulin receptor kinase and induce insulin resistance in isolated human adipocytes. Obermaier B, et al. **Diabetologia** 1987 Feb;30(2):93-9

Adrenergic regulation of beta-endorphin secretion from anterior pituitary in conscious rats: effects of thyroid state. Ishac EJ, et al. **Endocrinology** 1987 Mar;120(3):1073-8

The Syrian hamster pineal gland responds to isoproterenol in vivo at night. Vaughan GM, et al. **Endocrinology** 1987 Apr;120(4):1682-4

Effect of chronic secretagogue exposure on pro-adrenocorticotropin/endorphin production and secretion in primary cultures of rat anterior pituitary. Wand GS, et al. **Endocrinology** 1987 Mar;120(3):953-61

The relationship between beta-adrenoceptor regulation and beta-adrenergic responsiveness in hepatocytes. Studies on acquisition, desensitization and resensitization of isoproterenol-sensitive adenylate cyclase in primary culture. Refsnes M, et al. **Eur J Biochem** 1987 Mar 16; 163(3):457-66

Role of alpha-adrenoceptors for adipocyte size in man. Arner P, et al. **Eur J Clin Invest** 1987 Feb;17(1):58-62

Increased responsiveness to stimulation of alpha- but not beta-adrenoceptors in the hereditary cardiomyopathy of the Syrian hamster. Intact adenosine- and cholinoceptor-mediated isoprenaline antagonistic effect. Böhm M, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):195-203

Effect of repeated electroconvulsive shocks on isoprenaline-induced changes of the endogenous inhibitor of cAMP-dependent protein kinase in rat brain. Zawi!ska J, et al. **Eur J Pharmacol** 1986 Jul 31;126(3):273–9

Expression of the mitochondrial uncoupling protein in brown adipocytes. Absence in brown preadipocytes and BFC-1 cells. Modulation by isoproterenol in adipocytes. Forest C, et al. **Exp Cell Res** 1987 Jan;168(1):233–46

Decrease of rat-liver-T4-5'-deiodinase activity during chronical isoprenaline beta-action in vivo. Porta S, et al. **Exp Pathol** 1987;31(3):179–83

Effect of isoprinosine on haemopoietic stem cells (CFU) in bone marrow and spleen of mice. Vacek A, et al. **Folia Biol (Praha)** 1987;33(3):216–20

Effect of temperature on isoprenaline- and barium-induced slow action potentials in guinea-pig ventricular strips. Manzini S, et al. **Gen Pharmacol** 1986;17(5):559–63

Enhanced relaxation response of canine coronary artery to isoproterenol and salbutamol after removal of endothelial cells. White RE, et al. **Gen Pharmacol** 1986;17(4):497–9

Preserved cardiac beta-adrenergic sensitivity in early renovascular hypertension. Davidson WR Jr, et al. **Hypertension** 1987 May;9(5):467–72

Steroid potentiation of beta-adrenergic-sensitive adenylate cyclase in rabbit ciliary processes. Harris MA, et al. **Invest Ophthalmol Vis Sci** 1987 Jun;28(6):1024–7

Comparison of the bronchodilator effects of nebulized bitolterol mesylate and isoproterenol hydrochloride in steroid-dependent asthma. Nathan RA, et al. **J Allergy Clin Immunol** 1987 May;79(5):822–9

Immunohistochemical identification of lung cells responsive to beta-stimulation with a rise in cAMP. Casale TB, et al. **J Appl Physiol** 1987 Jul;63(1):434–9

Beta-adrenergic receptors and cAMP levels of rat parotid and submandibular glands during chronic isoproterenol treatment. Humphreys-Beher M, et al. **J Auton Nerv Syst** 1986 Dec;17(4):263–71

Induction of tissue-specific proline-rich protein multigene families in rat and mouse parotid glands by isoproterenol. Unusual strain differences of proline-rich protein mRNAs. Ann DK, et al. **J Biol Chem** 1987 Jan 15;262(2):899–904

Isoproterenol-mediated parotid gland hypertrophy is inhibited by effectors of 4 beta-galactosyltransferase. Humphreys-Beher MG, et al. **J Biol Chem** 1987 Aug 25; 262(24):11706–13

Activity and phosphorylation state of glucose transporters in plasma membranes from insulin-, isoproterenol-, and phorbol ester-treated rat adipose cells. Joost HG, et al. **J Biol Chem** 1987 Aug 15;262(23):11261–7

Induction of proline-rich proteins in hamster salivary glands by isoproterenol treatment and an unusual growth inhibition by tannins. Mehansho H, et al. **J Biol Chem** 1987 Sep 5;262(25):12344–50

Isoproterenol and insulin control the cellular localization of ATP citrate-lyase through its phosphorylation in adipocytes. Strålfors P. **J Biol Chem** 1987 Aug 25; 262(24):11486–9

Enhanced ability of skeletal muscle containing cyclocreatine phosphate to sustain ATP levels during ischemia following beta-adrenergic stimulation. Turner DM, et al. **J Biol Chem** 1987 May 15;262(14):6605–9

Cultured glomerular mesangial cells contain renin: influence of calcium and isoproterenol. Dzau VJ, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S6–10

Role of vascular angiotensin II released by beta-adrenergic stimulation in rats. Nakamaru M, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S1–5

Cyclic AMP inhibits the release of prostaglandins and arachidonic acid from cultures of mouse embryo palate mesenchyme cells. Chabot MC, et al. **J Craniofac Genet Dev Biol** 1986;6(3):223–34

Regulation of hormone-stimulated cyclic AMP accumulation in intact human mononuclear leukocytes by blood plasma. Motulsky HJ, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1986; 11(5):329–43

The effects of various secretagogues on the mucin content of pure submandibular salivas. Denny PC, et al. **J Dent Res** 1987 May;66(5):1011–5

Morphological changes of intercellular junctions in the rat submandibular gland treated by long-term repeated administration of isoproterenol. Inoue T, et al. **J Dent Res** 1987 Aug;66(8):1303–9

Intracellular ion concentrations in the frog cornea epithelium during stimulation and inhibition of Cl secretion. Rick R, et al. **J Membr Biol** 1987;95(3):229–40

Effect of isoproterenol on the metabolism of myocardial fatty acids. Al Makdessi S, et al. **J Mol Cell Cardiol** 1987 Feb; 19(2):141–9

Effect of isoproterenol on myocardial mechanical function and cyclic AMP content in the fetal rabbit. Okuda H, et al. **J Mol Cell Cardiol** 1987 Feb;19(2):151–7

The effect of ouabain on hearts of cardiomyopathic hamsters: potentiation by isoproterenol. Rossner KL, et al. **J Mol Cell Cardiol** 1987 Jun;19(6):627–32

Inhibition of day time, but not isoproterenol-stimulated pineal N-acetyltransferase activity by an unidentified pineal compound. Khoory R, et al. **J Neural Transm** 1986; 66(3–4):281–9

Agonist-induced regulation of adrenoceptor subtypes in cerebral cortical slices. Nukina I, et al. **J Neurochem** 1987 Aug;49(2):389–92

Differential response of rat splenic lymphocytes to short-term and long-term neuroendocrine challenges: possible desensitization of the cellular immune response to corticosteroids. Paciotti GF, et al. **J Neuroimmunol** 1987 Oct;16(2):253–9

The action of mitomycin C on the induction of cyclic AMP phosphodiesterase and the development of desensitization of adenylate cyclase by isoproterenol in rat ascites hepatoma AH130 cells. Matsunaga T, et al. **J Pharmacobiodyn** 1986 Sep;9(9):771–7

Enhancement of mitomycin C uptake by isoproterenol in rat ascites hepatoma. Miyamoto K, et al. **J Pharmacobiodyn** 1986 May;9(5):453–9

Direct versus reflex activation of cardiac beta-adrenoceptors in the chronotropic and inotropic effects of isoprenaline and prenalterol in the conscious dog. Berdeaux A, et al. **J Pharmacol** 1986 Jul-Sep;17(3):266–74

A re-evaluated role for cyclic AMP in uterine relaxation. Differential effect of isoproterenol and forskolin. Do Khac L, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):236–42

Role of the alpha agonist activity of dobutamine in mediating cardiac output: effects of prolonged isoproterenol infusion. Hayes JS, et al. **J Pharmacol Exp Ther** 1987 Jun; 241(3):861–9

Dopamine, noradrenaline and isoprenaline: secretory and electrophysiological effects in vitro on mouse pancreas. Berger Z, et al. **J Physiol (Lond)** 1986 Jul;376:359–75

Control of cell volume and ion transport by beta-adrenergic catecholamines in erythrocytes of rainbow trout, Salmo gairdneri. Borgese F, et al. **J Physiol (Lond)** 1987 Jan; 382:123–44

Ion movements and volume changes induced by catecholamines in erythrocytes of rainbow trout: effect of pH. Borgese F, et al. **J Physiol (Lond)** 1987 Jan;382:145–57

Response to isoproterenol infusion in pediatric patients following atrial repair of transposition of the great arteries. Kato H, et al. **Jpn Circ J** 1986 Oct;50(10):973–9

Cardiac function of patients with essential hypertension during exercise and isoproterenol infusion. Yasuda M, et al. **Jpn Circ J** 1987 Feb;51(2):125–37

Effects of isoproterenol pretreatment on phosphatidylinositol turnover in rat parotid gland. Miyamoto A, et al. **Jpn J Pharmacol** 1986 Sep;42(1):63–70

Quantitative method for the study of the morphological changes induced by vasoactive agents in single aortic myocytes grown in primary cultures. Travo P, et al. **Lab Invest** 1987 Mar;56(3):335–43

Comparative effects of forskolin and isoproterenol on the cyclic AMP content of human adipocytes. Burns TW, et al. **Life Sci** 1987 Jan 12;40(2):145–54

Pineal N-acetyltransferase, pineal and serum melatonin response to isoproterenol stimulation in underfed male rats. Chik CL, et al. **Life Sci** 1987 Apr 13;40(15):1451–7

Breakdown of phosphoinositides in airway smooth muscle: lack of influence of anti-asthmatic drugs. Grandordy BM, et al. **Life Sci** 1987 Sep 28;41(13):1621–7

Facilitation of nerve stimulation evoked noradrenaline overflow by isoprenaline but not by circulating adrenaline in the dog in vivo. Kahan T, et al. **Life Sci** 1987 May 4;40(18):1811–8

Altered tail-skin temperature responsiveness in streptozotocin-induced diabetic rats. Katovich MJ, et al. **Life Sci** 1987 Sep 21;41(12):1529–37

Elevated daytime rat pineal and serum melatonin levels induced by isoproterenol are depressed by swimming. Wu WT, et al. **Life Sci** 1987 Sep 21;41(12):1473–9

Intestinal iron absorption during turpentine sterile inflammation in the rat. Influences of isoproterenol and propranolol. Gutnisky A, et al. **Methods Find Exp Clin Pharmacol** 1987 Jan;9(1):23–6

Effects of pregnancy and lactation on lipolysis of ewe adipocytes induced by beta-adrenergic stimulation. Guesnet P, et al. **Mol Cell Endocrinol** 1987 Apr; 50(3):177–81

Adrenergic and serotonergic regulation of skeletal muscle metabolism in the rat: specificity of the serotonin- and isoproterenol-stimulable adenylyl cyclase in sarcolemma. Maillet CM, et al. **Mol Cell Endocrinol** 1986 Dec; 48(2–3):179–90

An isoprenaline activated sodium-dependent inward current in ventricular myocytes. Egan TM, et al. **Nature** 1987 Aug 13–19;328(6131):634–7

Noradrenaline and beta-adrenoceptor agonists increase activity of voltage-dependent calcium channels in hippocampal neurons. Gray R, et al. **Nature** 1987 Jun 18–24;327(6123):620–2

Effects of extraneuronal uptake inhibitors on the positive chronotropic response to isoprenaline and on the accumulation of isoprenaline in perfused rat heart after inhibition of catechol-O-methyl transferase. Magaribuchi T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Feb; 335(2):123–8

A unique presser response to isoprenaline in the pithed rat during triiodo-L-thyronine(T3)-induced hyperthyroidism. Tsujimoto G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Oct; 334(2):138–44

Norepinephrine or isoproterenol stimulation of pineal N-acetyltransferase activity and melatonin content in the Syrian hamster is restricted to the second half of the daily dark phase. Reiter RJ, et al. **Neuroendocrinology** 1987 Apr; 45(4):249–56

Noradrenaline blocks potassium conductance in rat dentate granule cells in vitro. Haas HL, et al. **Neurosci Lett** 1987 Jul 22;78(2):171–4

Effects of beta-adrenoceptor stimulation on intracellular Ca transients and tension in rat ventricular muscle. Kurihara S, et al. **Pflugers Arch** 1987 Aug;409(4–5):427–37

Effects of isoproterenol on rubidium transport in slow- and fast-twitch muscles from euthyroid and hyperthyroid rats. Molnár GM, et al. **Pflugers Arch** 1986 Oct;407(4):440–4

Influence of isoproterenol on plasma immunoreactive atrial natriuretic peptide and plasma vasopressin in the anesthetized rabbit. Rankin AJ, et al. **Pflugers Arch** 1987 Feb;408(2):124–8

Effect of acute administration of bromocriptine on isoproterenol- and angiotensin II-induced water intake in estrogen-treated rats. Fregly MJ. **Pharmacol Biochem Behav** 1987 Feb;26(2):431–4

Diphtheria toxin prevents catecholamine desensitization of A431 human epidermoid carcinoma cells. DeBernardi M, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2246–50

Beta-adrenergic agonists and cyclic AMP decrease intracellular resting free-calcium concentration in ileum smooth muscle. Parker I, et al. **Proc R Soc Lond [Biol]** 1987 Mar 23;230(1259):207–14

The control of calcium current reactivation by catecholamines and acetylcholine in single guinea-pig ventricular myocytes. Shimoni Y, et al. **Proc R Soc Lond [Biol]** 1987 Apr 22;230(1260):267–78

Nocturnal increase in the sensitivity of the Syrian hamster pineal gland to isoproterenol is darkness dependent. Reiter RJ, et al. **Proc Soc Exp Biol Med** 1987 Jun;185(2):219–22

Potentiation of isoproterenol-induced relaxation of isolated trachea by aminophylline: modulation by desensitization. Taylor SE. **Proc Soc Exp Biol Med** 1987 Sep;185(4):385–91

Effects of beta-adrenergic stimulation and blockade on cardiovascular reactivity, affect, and type A behavior. Krantz DS, et al. **Psychosom Med** 1987 Mar–Apr; 49(2):146–58

Beta-adrenergic stimulation of gastrin release mediated by gastrin-releasing peptide in rat antral mucosa. Wolfe MM, et al. **Regul Pept** 1987 Mar;17(3):133–42

The time course of changes in force and cyclic AMP levels produced by isoproterenol and forskolin in isolated rabbit detrusor muscle. Morita T, et al. **Tohoku J Exp Med** 1987 Feb;151(2):201–4

Short-term inhibition of cellular autophagy by isoproterenol in the submandibular gland. Bahro M, et al. **Virchows Arch [B]** 1987;53(1):32–6

[Comparison of the effects of angiotensin, thyreoidin, and isoprenaline on the tissue capture of 85Sr–microspheres, 86 Rb, and 125I-antipyrine in laboratory rats] Kapitola J, et al. **Cesk Fysiol** 1987;36(1):73–7 **(Cze)**

[Effect of strophanthin, digoxin and isoproterenol on heart contractility in hypoxia and hypercapnic acidosis] Yang GT, et al. **J Tongji Med Univ** 1986;6(4):199–205 **(Ger)**

[Effect of ganglionic blockade and subsequent i.v. infusion of catecholamines and angiotensin II on the formation and transport of lymph. Studies in anesthesized dogs and a review of the literature] Schad H, et al. **Z Lymphol** 1986 Dec;10(2):46–54 (Eng. Abstr.) **(Ger)**

[Effect of isoproterenol administration on glutathione status in cardiac muscle] Guarnieri C, et al. **Cardiologia** 1987 Feb; 32(2):189–92 (Eng. Abstr.) **(Ita)**

[Studies on the enhancing action of isoproterenol on the metabolism of mitomycin C] Matsunaga T, et al. **Yakugaku Zasshi** 1986 Nov;106(11):1057–63 (Eng. Abstr.) **(Jpn)**

[Age dependent quantitative evaluations of sensitivity changes in beta adrenergic receptors to isoprenaline and propranolol] Witkowska M. **Kardiol Pol** 1986;29(7):432–9 (Eng. Abstr.) **(Pol)**

[Behavior of intramyocardial oxygen during variations of the oxygen demand–consumption ratio in the heart. II. Effect of sympathomimetic drugs] Cicogna AC, et al. **Arq Bras Cardiol** 1986 Aug;47(2):77–81 (Eng. Abstr.) **(Por)**

[Decreased isoproterenol sensitivity of the salivary epithelium in mice with transplanted tumors] Muskhelishvili LV, et al. **Eksp Onkol** 1986;8(5):43–5 (Eng. Abstr.) **(Rus)**

[Regional changes in circulation in response to stimulation of beta-adrenergic receptors with isoproterenol] Kovalev OA, et al. **Fiziol Zh SSSR** 1987 Mar;73(3):396–402 (Eng. Abstr.) **(Rus)**

[Relation between neuronal uptake and beta-adrenoreactivity of the rat heart] Kozlov AG. **Fiziol Zh SSSR** 1986 Aug; 72(8):1101–6 (Eng. Abstr.) **(Rus)**

[Contractile reactions of the small intestine induced by stimulation of beta-adrenoreceptors] Pavlov OG, et al. **Fiziol Zh SSSR** 1987 Apr;73(4):517–23 (Eng. Abstr.) **(Rus)**

[Changes in the sensitivity of cardiovascular beta adrenergic receptors after sinoaortic denervation in rats] Marzán G, et al. **Medicina (B Aires)** 1986;46(2):186–90 (Eng. Abstr.) **(Spa)**

POISONING

Increase and regression of the protective effect of high altitude acclimatization on the isoprenaline-induced necrotic lesions in the rat myocardium. Faltová E, et al. **Physiol Bohemoslov** 1987;36(1):43–52

Cardioprotective effect of prostacyclin and 7-oxo-PGI2 in rats against chronic isoproterenol damage. Körmöczy PS,

et al. **Prostaglandins** 1987 Apr;33(4):505–16

THERAPEUTIC USE

Treatment of severe verapamil poisoning with combined amrinone–isoproterenol therapy. Goenen M, et al. **Am J Cardiol** 1986 Nov 15;58(11):1142–3

Comparison of hemodynamic responses to isoproterenol infusion and surgical stress in patients given cardioselective and noncardioselective beta-adrenergic antagonists. de Bruijn N, et al. **Anesth Analg** 1987 Jul;66(7):637–42

Outpatient management of asthma with regular nebulized beta agonists: comparison of bitolterol mesylate and isoproterenol. Kemp JP, et al. **Ann Allergy** 1987 Jul; 59(1):17–20

Treatment of canine pulmonary hypertension: effects of norepinephrine and isoproterenol on pulmonary vascular pressure–flow characteristics. Ducas J, et al. **Circulation** 1987 Jan;75(1):235–42

Comparative circulatory effects of isoproterenol, dopamine, and dobutamine in conscious lambs with and without aortopulmonary left-to-right shunts. Toorop GP, et al. **Circulation** 1987 Jun;75(6):1222–8

TOXICITY

Study of the factors influencing cardiac growth. II. Digitoxin treatment and isoproterenol-induced cardiac hypertrophy in the rat. Szabó J, et al. **Acta Biol Hung** 1985; 36(3–4):305–12

Protective effect of taurine against isoprenaline-induced myocardial damage. Ohta H, et al. **Basic Res Cardiol** 1986 Sep–Oct;81(5):473–81

Isoproterenol-induced myocardial alterations in alloxan-diabetic rabbits. Bhimji S, et al. **Can J Cardiol** 1986 Sep–Oct;2(5):313–9

The effect of oxidized isoprenaline on the chick embryonic heart. Janatová T, et al. **Can J Physiol Pharmacol** 1986 Jul;64(7):897–903

Isoproterenol induced myocardial necrosis is associated with stress protein synthesis in rat heart and thoracic aorta. White FP, et al. **Cardiovasc Res** 1986 Jul;20(7):512–5

The comparative study of cardiovascular toxins utilizing a sensitive indicator of sublethal toxic injury. Hysmith RH, et al. **In Vitro Cell Dev Biol** 1987 Feb;23(2):129–33

Sodium nitrite protects against isoproterenol-induced myocardial necrosis. Li ZH. **J Mol Cell Cardiol** 1986 Oct; 18(10):999–1001

ISOQUINOLINES

The use of disulfonatonaphthalimide fluorescent dyes for the fluorescence polarization immunoassay of steroids. Desfosses B, et al. **Anal Biochem** 1986 Nov 15;159(1):179–86

Specific neuronal staining by in vitro uptake of lucifer yellow. Zimmerman RP. **Brain Res** 1986 Sep 24;383(1–2):287–98

[Isoquinoline alkaloids and chlorformate-ethylester . Developmental lines from Gadamer through von Bruchhausen to the present] Wiegrebe W. **Pharm Unserer Zeit** 1987 May;16(3):69–76 **(Ger)**

ADVERSE EFFECTS

[Sterile, purulent meningitis and generalized vasculitis caused by a new drug for prevention of nidation in the dog] Kälin S, et al. **Schweiz Arch Tierheilkd** 1987 Jul;129(7):335–42 (Eng. Abstr.) **(Ger)**

ANALYSIS

Practical application of isotachophoresis in analysis of isoquinoline alkaloids. Walterová D, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;111:23–36

Tetrahydroisoquinoline and 1-methyl-tetrahydroisoquinoline as novel endogenous amines in rat brain. Kohno M, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):448–54

Presence of tetrahydroisoquinoline and 2-methyl-tetrahydroquinoline in parkinsonian and normal human brains. Niwa T, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):1084–9

BLOOD

Clinical experience and plasma laudanosine concentrations during the infusion of stracurium in the intensive therapy unit. Yate PM, et al. **Br J Anaesth** 1987 Feb;59(2):211–7

CHEMICAL SYNTHESIS

Synthesis of renierone, 7-methoxy-1,6-dimethyl-5,8-dihydroisoquinoline-5,8-dione and N-formyl-1,2-dihydrorenierone, antimicrobial metabolites from a marine sponge, Reniera sp. Kubo A, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4056–68

Synthesis and biological evaluation of irreversible inhibitors of aldose reductase. Ares JJ, et al. **J Med Chem** 1986 Nov; 29(11):2384–9

5-fluoro- and 8-fluorotrimetoquinol: selective beta 2-adrenoceptor agonists. Clark MT, et al. **J Med Chem** 1987 Jan;30(1):86–90

Synthesis of novel angiotensin converting enzyme inhibitor quinapril and related compounds. A divergence of structure–activity relationships for non-sulfhydryl and sulfhydryl types. Klutchko S, et al. **J Med Chem** 1986 Oct; 29(10):1953–61

Synthesis and pharmacological evaluation of some new tetrahydroisoquinoline derivatives inhibiting dopamine uptake and/or possessing a dopaminomimetic property. Zára-Kaczián E, et al. **J Med Chem** 1986 Jul;29(7):1189–95

[Tetrahydroisoquinolines as components of H2-antagonists. 27. H2-antihistaminics] Trumm KA, et al. **Arzneimittelforschung** 1986 Aug;36(8):1169–74 (Eng. Abstr.) **(Ger)**

[Isoquinoline derivatives. IV. Synthesis and properties of derivatives of 2-dialkylaminoalkyl and 4-phenylisoquinoline-1(2H)-one-3-carboxylic acid and corresponding intermediate structures] Santagati NA, et al. **Boll Chim Farm** 1986 Dec;125(12):437–40 (Eng. Abstr.) **(Ita)**

[Preparation and analgesic activity of tetrahydroquinolines and tetrahydroisoquinolines] Ferranti A, et al. **Farmaco [Sci]** 1987 Apr;42(4):237–49 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

Differences in the inhibitory effect of cimetidine on desipramine metabolism between rapid and slow debrisoquin hydroxylators. Steiner E, et al. **Clin Pharmacol Ther** 1987 Sep;42(3):278–82

The debrisoquin hydroxylation phenotype does not predict the metabolism of phenytoin. Steiner E, et al. **Clin Pharmacol Ther** 1987 Sep;42(3):326–33

Photoaffinity labeling of peripheral-type benzodiazepine-binding sites. Doble A, et al. **Mol Pharmacol** 1987 Jan;31(1):42–9

[Pharmacogenetics of antidepressant metabolism. Value of the debrisoquin test] Baumann P. **Encephale** 1986 Jul–Aug; 12(4):143–8 (Eng. Abstr.) **(Fre)**

[Inhibitory effect of tumor promoters on the intercellular metabolism of lucifer yellow in a culture of transformed Djungarian hamster fibroblasts] Budunova IV, et al. **Dokl Akad Nauk SSSR** 1986;290(5):1234–8 **(Rus)**

ISOLATION & PURIFICATION

Antineoplastic agents, 120. Pancratium littorale. Pettit GR, et al. **J Nat Prod** 1986 Nov–Dec;49(6):995–1002

METABOLISM

Smoking, cancer, and Parkinson's disease [letter] Golbe LI, et al. **Ann Neurol** 1987 May;21(5):513

Spatial relationship and conformational changes between the cardiac glycoside site and beta-subunit oligosaccharides in sodium plus potassium activated adenosinetriphosphatase. Lee JA, et al. **Biochemistry** 1986 Dec 16;25(25):8133–41

Quinidine: potent inhibition of sparteine and debrisoquine oxidation in vivo. Inaba T, et al. **Br J Clin Pharmacol** 1986 Aug;22(2):199–200

Quinidine and the identification of drugs whose elimination is impaired in subjects classified as poor metabolizers of debrisoquine. Speirs CJ, et al. **Br J Clin Pharmacol** 1986 Dec;22(6):739–43

A systematic regional study of brain salsolinol levels during and immediately following chronic ethanol ingestion in rats. Matsubara K, et al. **Brain Res** 1987 Jun 16; 413(2):336–43

Labelling of peripheral-type benzodiazepine binding sites in human brain with [3H]PK 11195: anatomical and subcellular distribution. Doble A, et al. **Brain Res Bull** 1987 Jan;18(1):49–61

Metoprolol and debrisoquin metabolism in Nigerians: lack of evidence for polymorphic oxidation. Iyun AO, et al. **Clin Pharmacol Ther** 1986 Oct;40(4):387–94

Effect of cirrhosis and debrisoquin phenotype on the disposition and effects of pinacidil. Shaheen O, et al. **Clin Pharmacol Ther** 1986 Dec;40(6):650–5

Hydroxylation of desmethylimipramine: dependence on the debrisoquin hydroxylation phenotype. Spina E, et al. **Clin Pharmacol Ther** 1987 Mar;41(3):314–9

The metabolic disposition of laudanosine in dog, rabbit, and man. Canfell PC, et al. **Drug Metab Dispos** 1986 Nov–Dec; 14(6):703–8

Steady-state concentrations of imipramine and its metabolites in relation to the sparteine/debrisoquine polymorphism. Brøsen K, et al. **Eur J Clin Pharmacol** 1986;30(6):679–84

Stereo- and regioselectivity of hepatic oxidation in man—effect of the debrisoquine/sparteine phenotype on bufuralol hydroxylation. Dayer P, et al. **Eur J Clin Pharmacol** 1986;31(3):313–8

Polymorphic debrisoquine and mephenytoin hydroxylation in patients with pulmonary hypertension of vascular origin after aminorex fumarate. Saner H, et al. **Eur J Clin Pharmacol** 1986;31(4):437–42

Drug hydroxylator phenotype in Hungary [letter] Szórády I, et al. **Eur J Clin Pharmacol** 1987;32(3):325

The pharmacokinetics, tissue distribution, and biotransformation of a new class of antitumor agents: mitonafide and pinafide. Rivera Cid P, et al. **Eur J Drug Metab Pharmacokinet** 1986 Oct–Dec; 11(4):255–67

Stereoselective inhibition of the binding of [3H]PK 11195 to peripheral-type benzodiazepine binding sites by a quinolinepropanamide derivative. Dubroeucq MC, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):269–72

Amitriptyline pharmacokinetics and clinical response: II. Metabolic polymorphism assessed by hydroxylation of debrisoquine and mephenytoin. Baumann P, et al. **Int Clin Psychopharmacol** 1986 Apr;1(2):102–12

Preservation of "peripheral" benzodiazepine receptors: differential effects of freezing on [3H]Ro 5-4864 and [3H]PK 11195 binding. Basile AS, et al. **J Pharmacol Methods** 1987 Apr;17(2):149–56

Partial purification and pharmacology of peripheral-type benzodiazepine receptors. Doble A, et al. **J Recept Res** 1987;7(1–4):55–70

Debrisoquine metabolism in parkinsonian patients treated with antihistamine drugs [letter] Poirier J, et al. **Lancet** 1987 Aug 15;2(8555):386

Identification and molecular characterization of the isoquinoline rat intestinal binding site using 6,7-dimethoxy-4-(4'-amino-3'-[125I]iodobenzyl) isoquinoline. Servin AL, et al. **Mol Pharmacol** 1986 Oct; 30(4):379–87

Binding sites for a peripheral type benzodiazepine antagonist ([3H]PK 11195) in human iris. Valtier D, et al. **Neuropharmacology** 1987 Jun;26(6):549–52

Metabolic characterization of human liver microsomal cytochromes P-450 involved in the oxidation of debrisoquine, bufuralol and the carcinogen 2-acetylaminofluorene. McManus ME. **Pharmacol Ther** 1987;33(1):47–53

Extensive metabolizers of debrisoquine become poor metabolizers during quinidine treatment. Brøsen K, et al. **Pharmacol Toxicol** 1987 Apr;60(4):312–4

Imaging of a glioma using peripheral benzodiazepine receptor ligands. Starosta-Rubinstein S, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):891–5

[Study of the absorption of a new peripheral vasodilator compound (CH-141) by in vitro and in vivo methods. 2. Pharmacokinetic study of the compound] Szemere L, et al. **Acta Pharm Hung** 1987 Mar;57(1–2):27–33 (Eng. Abstr.) **(Hun)**

[A survey of debrisoquin hydroxylation polymorphism] Gachályi B, et al. **Orv Hetil** 1986 Sep 21;127(38):2299–301 (Eng. Abstr.) **(Hun)**

PHARMACODYNAMICS

Benzodiazepines and PK 11195 exert immunomodulating activities by binding on a specific receptor on macrophages. Zavala F, et al. **Ann NY Acad Sci** 1987;496:240–9

Cerebral vasodilating and vasospasmolytic action of the cerebral circulation improver 6,7-dimethoxy-1-(3,4-dimethoxybenzyl)-4-([4-(2-methoxyphenyl)-1-piperazinyl]methyl)isoquinoline in experimental animals. Yajima T, et al. **Arzneimittelforschung** 1987 Apr;37(4):379–83

Spasmolytic action of the cerebral circulation improver 6,7-dimethoxy-1-(3,4-dimethoxybenzyl)-4-[(4-(2-methoxyphenyl)-1-piperazinyl]methyl) isoquinoline in isolated canine vessels. Yajima T, et al. **Arzneimittelforschung** 1987 May;37(5):498–502

The protein kinase C inhibitor H-7, inhibits antigen and IL-2-induced proliferation of murine T cell lines. Clark RB, et al. **Biochem Biophys Res Commun** 1987 Jun 15; 145(2):666–72

Inhibition by 1-(5-isoquinolinesulfonyl)-2-methylpiperazine, an inhibitor of protein kinase C, of enzyme induction by glucocorticoid and of nuclear translocation of glucocorticoid-receptor complexes. Kido H, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):152–9

Inhibitors of protein kinase C block activation of B lymphocytes by bacterial lipopolysaccharide. Rush JS, et al. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1315–20

Effects of the protein kinase C inhibitor H-7 and calmodulin antagonist W-7 on superoxide production in growing and resting human histiocytic leukemia cells (U937). Shibanuma M, et al. **Biochem Biophys Res Commun** 1987 May 14; 144(3):1317–23

Specific inhibition of phorbol ester and DiC8-induced histamine release from human basophils by the protein kinase C inhibitors, H-7 and H-9. Thueson DO, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):732–40

Inhibition of neutrophil superoxide formation by 1-(5-isoquinolinesulfonyl)-2-methylpiperazine (H-7), and inhibitor of protein kinase-C. Fujita I, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4555–62

Cardiovascular and neurological effects of laudanosine. Studies in mice and rats, and in conscious and anaesthetized dogs. Chapple DJ, et al. **Br J Anaesth** 1987 Feb; 59(2):218–25

Effect of a selective inhibitor of epinephrine synthesis, SK&F 64 139, on prolactin secretion in the rat. Castro-e-Silva E, et al. **Braz J Med Biol Res** 1986;19(3):389–94

Effects of N-hydroxy-N'-aminoguanidine derivatives on ribonucleotide reductase activity, nucleic acid synthesis, clonogenicity, and cell cycle of L1210 cells. Weckbecker G, et al. **Cancer Res** 1987 Feb 15;47(4):975–8

Convulsive effects and pharmacokinetics of laudanosine in the rat. Scheepstra GL, et al. **Eur J Anaesthesiol** 1986 Sep; 3(5):371–83

The acute haemodynamic effects of quinapril, a new non-sulfhydryl angiotensin converting enzyme inhibitor, in patients with severe congestive cardiac failure. Holt P, et al. **Eur J Clin Pharmacol** 1986;31(1):9–14

Pharmacological evaluation of the beta-adrenoceptor agonist and thromboxane antagonist properties of N-substituted trimetoquinol analogues. Fedyna JS, et al. **Eur J Pharmacol** 1987 Mar 17;135(2):161–71

The dopamine D-2 antagonist, Ro 22-1319, inhibits the persistent behavioral syndrome induced by

iminodipropionitrile (IDPN) in mice. Cadet JL, et al. **Exp Neurol** 1987 Jun;96(3):594–600

In vivo immunomodulating activity of PK 1195, a structurally unrelated ligand for "peripheral" benzodiazepine binding sites—I. Potentiation in mice of the humoral response to sheep red blood cells. Lenfant M, et al. **Int J Immunopharmacol** 1986;8(7):825–8

Inhibitory effect of tritoqualine on activation of latent polymorphonuclear leukocyte collagenase. Wojtecka-Lukasik E, et al. **Int J Tissue React** 1987; 9(1):69–72

Central alpha 1-adrenergic and opiate systems in the control of the vagal tone in normotensive and spontaneously hypertensive rats. Huchet AM, et al. **J Auton Nerv Syst** 1986 Nov;17(3):175–83

The effect of a protein kinase C inhibitor, H-7, on human neutrophil oxidative burst and degranulation. Berkow RL, et al. **J Leukocyte Biol** 1987 May;41(5):641–6

6,7-Dichloro-1-(3,4,5-trimethoxybenzyl)-1,2,3,4-tetrahydroisoquinoline . A structurally novel beta-adrenergic receptor blocking agent. Kaiser C, et al. **J Med Chem** 1986 Nov;29(11):2381–4

Pyrroloisoquinoline antidepressants. 2. In-depth exploration of structure-activity relationships. Maryanoff BE, et al. **J Med Chem** 1987 Aug;30(8):1433–54

Specific dopamine D-1 and DA1 properties of 4-(mono- and -dihydroxyphenyl)-1,2,3,4-tetrahydroisoquinoline and its tetrahydrothieno[2,3-c]pyridine analogue. Riggs RM, et al. **J Med Chem** 1987 Aug;30(8):1454–8

Assessment of central dopaminergic function using plasma-free homovanillic acid after debrisoquin administration. Riddle MA, et al. **J Neural Transm** 1986; 67(1-2):31–43

Preclinical evaluation of McN-5707 as a potential antidepressant. Shank RP, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):74–84

Comparison of the effects of a thromboxane synthase inhibitor or prostacyclin in combination with a phosphodiesterase inhibitor for prevention of experimental thrombosis and sudden death in rabbits. Smith EF 3d, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):855–60

2-(1,1'-Biphenyl-4-yl)- 1,2,4-triazole[5,1-a] isoquinoline (L 14105), a potential orally active contragestational agent for the bitch: studies in the rat, hamster and dog. Galliani G, et al. **J Vet Pharmacol Ther** 1986 Sep;9(3):246–53

Suppressive effect of tritoqualine on enzyme leakage induced by D-galactosamine in rat primary-cultured hepatocytes. Yuasa S, et al. **Jpn J Pharmacol** 1987 Mar;43(3):263–6

An inhibitor of protein kinase C, 1-(5-isoquinolinylsulfonyl)-2-methylpiperazine(H-7) inhibits TPA-induced reduction of vincristine uptake from P388 murine leukemic cell. Ido M, et al. **Leuk Res** 1986; 10(9):1063–9

Angiotensin I converting enzyme inhibitors containing unnatural alpha-amino acid analogues of phenylalanine. Miller KE, et al. **Life Sci** 1987 Jan 5;40(1):63–70

Effects of two structurally different angiotensin-converting enzyme inhibitors, captopril and quinapril (CI-906), in rats with one-kidney deoxycorticosterone-salt hypertension. Pörsti I, et al. **Methods Find Exp Clin Pharmacol** 1986 Sep; 8(9):543–6

Selective modulation of calcium-dependent myosin phosphorylation by novel protein kinase inhibitors, isoquinolinesulfonamide derivatives. Hagiwara M, et al. **Mol Pharmacol** 1987 Jul;32(1):7–12

Selective calmodulin inhibition toward myosin light chain kinase by a new cerebral circulation improver, Ro 22-4839. Nakajima T, et al. **Mol Pharmacol** 1987 Jul;32(1):140–6

Effects of the benzodiazepine antagonists RO 15-1788, CGS-8216 and PK-11195 on amygdaloid kindled seizures and the anticonvulsant efficacy of diazepam. Albertson TE, et al. **Neuropharmacology** 1986 Nov;25(11):1205–11

HR 375: a potential antipsychotic drug that interacts with dopamine D2 receptors and sigma-receptors in the brain. Su TP. **Neurosci Lett** 1986 Nov 11;71(2):224–8

Methoxyphenamine O-demethylase and 5-hydroxylase: a GLC-ECD assay to study their activities and their inhibition by debrisoquine and sparteine. Hawes EM, et al. **Pharmacol Ther** 1987;33(1):73–7

Antimicrobial activity of benzylisoquinoline alkaloids. Villar A, et al. **Pharmazie** 1987 Apr;42(4):248–50

Pharmacological actions of fumariline isolated from Fumaria indica seeds. Kumar A, et al. **Planta Med** 1986 Aug; (4):324–5

Antimitotic and cytotoxic activities of guattegaumerine, a bisbenzylisoquinoline alkaloid. Leclercq J, et al. **Planta Med** 1987 Feb;53(1):116–7

Psychopharmacological profile of salsolinol. Bulach C, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1986; 10(6):691–5

The effects of dauricine and verapamil as calcium channel blockers on the plasma concentration of 6-keto-prostaglandin F1 alpha and thromboxane B2 during cardiopulmonary bypass. Zhou JA, et al. **Thorac Cardiovasc Surg** 1987 Jun;35(3):172–5

[Anti-inflammatory effect of dauricine] Du ZH, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Sep;7(5):419–22 (Eng. Abstr.) **(Chi)**

[Effect of dauricine on myocardial contraction force and coronary circulation] Zhu JQ, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Nov;7(6):543–7 (Eng. Abstr.) **(Chi)**

[Antimicrobial activity of dauricines] Su F. **Chung Yao Tung Pao** 1986 Nov;11(11):52–4 **(Chi)**

[Hemodynamic effects of a new alpha-1 antagonist, AR-C 239 administrated in intravenous bolus, in patients with cardiac insufficiency] Colle JP, et al. **Arch Mal Coeur** 1987 Jan;80(1):84–91 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Potentiation of hypotensive effect of debrisoquine by insulin. Hume L. **Diabetic Med** 1985 Sep;2(5):390–1

Inhibition of induced acute lung edema by a novel protein kinase C inhibitor. Struhar D, et al. **FASEB J** 1987 Aug; 1(2):116–8

Improvement of symptoms in Tourette syndrome by piquindone, a novel dopamine-2 receptor antagonist. Uhr SB, et al. **Int Clin Psychopharmacol** 1986 Jul;1(3):216–20

Mechanism of action of a novel antivasospasm drug, HA1077. Asano T, et al. **J Pharmacol Exp Ther** 1987 Jun; 241(3):1033–40

TOXICITY

Toxicity of N-methyl-4-methoxynaphthalimide, a fluorescent whitening agent. Otake T, et al. **Arch Environ Contam Toxicol** 1987 Jan;16(1):119–27

Toxicity of 3-nitronaphthalimides to V79 379A Chinese hamster cells. Hodgkiss RJ, et al. **Biochem Pharmacol** 1987 May 1;36(9):1483–7

In vitro toxicity and DNA cleaving capacity of benzisoquinolinedione (nafidimide; NSC 308847) in human leukemia. Andersson BS, et al. **Cancer Res** 1987 Feb 15; 47(4):1040–4

Alcohol, acetaldehyde and salsolinol-induced alterations in function and metabolism of cerebral GABAergic and cholinergic neurons: possible involvements in alcohol dependence and withdrawal. Kuriyama K, et al. **Prog Clin Biol Res** 1987;241:271–82

Cytoplasmic vacuolation of pancreatic beta cells of rats after oral administration of a derivative of isoquinoline. Kast A, et al. **Toxicol Appl Pharmacol** 1986 Sep 15;85(2):274–85

URINE

Individual difference in urinary excretion of salsolinol in alcoholic patients. Adachi J, et al. **Alcohol** 1986 Nov-Dec; 3(6):371–5

Salsolinol in urine following chocolate consumption by social drinkers. Hirst M, et al. **Alcohol Drug Res** 1987; 7(5-6):493–501

ISOSORBIDE see under **SORBITOL**

ISOSORBIDE DINITRATE

ADMINISTRATION & DOSAGE

Isosorbide dinitrate oral spray in acute exacerbation of chronic congestive heart failure secondary to coronary artery disease. Marmor A, et al. **Am J Cardiol** 1987 May 1;59(12):1199–200

Potentiation of isosorbide dinitrate-induced coronary dilatation by captopril. van Gilst WH, et al. **J Cardiovasc Pharmacol** 1987 Feb;9(2):254–5

Effect of intervals between doses on the development of tolerance to isosorbide dinitrate. Parker JO, et al. **N Engl J Med** 1987 Jun 4;316(23):1440–4

Gastrointestinal therapeutic system delivering of a water insoluble drug: isosorbide dinitrate (ISDN). Janicki S, et al. **Pharmazie** 1987 Feb;42(2):95–6

Equal anti-ischemic properties of isosorbide dinitrate plus verapamil and isosorbide dinitrate plus propranolol. A randomized, double-blind and crossover study. Silber S, et al. **Z Kardiol** 1986;75 Suppl 3:100–5

[Dose-dependent serum concentration of ISDN and its metabolites following administration of ISDN-retard. Studies under steady-state conditions] Loew D, et al. **Dtsch Med Wochenschr** 1986 Nov 28;111(48):1834–7 (Eng. Abstr.) **(Ger)**

[Transdermal therapy of stable angina pectoris. Comparison of 2 different transdermal systems] Kramar M, et al. **Fortschr Med** 1987 Jun 10;105(17):340–2 (Eng. Abstr.) **(Ger)**

[Long term therapy of coronary heart disease with 120 mg slow release isosorbide dinitrate once a day. Study of duration of action and development of tolerance] Ohlmeier H, et al. **Z Kardiol** 1986;75 Suppl 3:50–6 (Eng. Abstr.) **(Ger)**

[Hemodynamics and coronary dynamics under ISDN long-term therapy] Wortmann A, et al. **Z Kardiol** 1986;75 Suppl 3:68–76 (Eng. Abstr.) **(Ger)**

[Hemodynamic and anti-angina effects of transdermal nitroglycerin after acute and chronic administration. Additive effect of sublingual isosorbide dinitrate] Scardi S, et al. **G Ital Cardiol** 1986 Nov;16(11):895–903 (Eng. Abstr.) **(Ita)**

[Effectiveness of sublingual isosorbide dinitrate in chest pain: coronary or esophageal angina?] Torre F, et al. **Minerva Cardioangiol** 1987 Jan-Feb;35(1-2):75–7 (Eng. Abstr.) **(Ita)**

[A case of primary pulmonary hypertension--acute and chronic effect of vasodilators] Funayama N, et al. **Kokyu To Junkan** 1987 Feb;35(2):217–22 (Eng. Abstr.) **(Jpn)**

[Effect of intra-arterial administration of isosorbide dinitrate on various hemodynamic parameters of pulmonary circulation and the right heart in patients with secondary pulmonary hypertension] Dubiel JP, et al. **Kardiol Pol** 1986; 29(11-12):724–31 (Eng. Abstr.) **(Pol)**

ANALOGS & DERIVATIVES

Acute and sustained effects of isosorbide 5-mononitrate in stable angina pectoris. Kohli RS, et al. **Am J Cardiol** 1986 Oct 1;58(9):727–31

Usefulness of twice-daily isosorbide-5-mononitrate in preventing development of tolerance in angina pectoris. Thadani U, et al. **Am J Cardiol** 1987 Sep 1;60(7):477–82

Duration of effects and tolerance of slow-release isosorbide-5-mononitrate for angina pectoris. Thadani U, et al. **Am J Cardiol** 1987 Apr 1;59(8):756–62

Medical treatment of patients with severe exertional and rest angina: double blind comparison of beta blocker, calcium antagonist, and nitrate. Quyyumi AA, et al. **Br Heart J** 1987 Jun;57(6):505–11

Isosorbide 5-mononitrate pharmacokinetics. Chasseaud LF. **Cardiology** 1987;74 Suppl 1:6–11 (33 ref.)

Oral isosorbide 5-mononitrate can protect from myocardial ischemia induced by ergonovine test and by isometric effort. Preliminary results from an echocardiographic acute study in anginal patients. Distante A, et al. **Cardiology** 1987; 74 Suppl 1:46–52

Controlled study of the haemodynamic effects of isosorbide 5-mononitrate in acute myocardial infarction. Foresti A, et al. **Cardiology** 1987;74 Suppl 1:60–4

Antianginal efficacy and tolerability of 50 mg sustained-release isosorbide 5-mononitrate in an open twelve-month observation study. Heepe W, et al. **Cardiology** 1987;74 Suppl 1:34–9

Calcium channel blocker and isosorbide 5-mononitrate in the management of chronic cardiac failure. Hutton I, et al. **Cardiology** 1987;74 Suppl 1:72–5

A comparison of intravenous elantan and frusemide in patients with chronic cardiac failure. Hutton I, et al. **Cardiology** 1987;74 Suppl 1:65–8

Dose-effect relationship amongst three different sustained-release forms of isosorbide 5-mononitrate in patients with coronary artery disease. Kenedi P, et al. **Cardiology** 1987;74 Suppl 1:29–33

Isosorbide 5-mononitrate in the treatment of left ventricular failure following acute myocardial infarction. Murray RG, et al. **Cardiology** 1987;74 Suppl 1:58–9

An evaluation of the effects of isosorbide 5-mononitrate in patients with angina on effort using dynamic electrocardiography and echocardiography. Novo S, et al. **Cardiology** 1987;74 Suppl 1:20–8

Acute and chronic use of isosorbide 5-mononitrate in patients with heart failure. Stephens JD, et al. **Cardiology** 1987;74 Suppl 1:69–71

Influence of isosorbide 5-mononitrate 20 mg, sustained-release 50 mg and sustained-release nifedipine 20 mg on ischaemic ST-segment changes during Holter monitoring. A double-blind cross-over study in patients with spontaneous angina pectoris. von Arnim T. **Cardiology** 1987;74 Suppl 1:40–5

Isosorbide-5-mononitrate in angina pectoris: plasma concentrations and duration of effects after acute therapy. Thadani U, et al. **Clin Pharmacol Ther** 1987 Jul;42(1):58–65

Experience of long term treatment and different dosage regimens of isosorbide 5-mononitrate. Meffert M, et al. **Drugs** 1987;33 Suppl 4:104–10

Abrupt withdrawal of isosorbide 5-mononitrate (Imdur) after long term treatment in stable angina pectoris. A preliminary report. Rehnqvist N, et al. **Drugs** 1987;33 Suppl 4:118–21

Mononitrates in combination with beta-blocker therapy in the treatment of severe angina pectoris. Svendsen JH, et al. **Drugs** 1987;33 Suppl 4:122–4

Long term efficacy of a controlled-release formulation of isosorbide 5-mononitrate (Imdur) in angina patients receiving beta-blockers. Uusitalo A. **Drugs** 1987;33 Suppl 4:111–7

The effect of isosorbide-5-mononitrate (5-ISMN) Durules on exercise tolerance in patients with exertional angina pectoris. A placebo controlled study. Nyberg G, et al. **Eur Heart J** 1986 Oct;7(10):835–42

Pharmacokinetics of isosorbide-5-nitrate during haemodialysis and peritoneal dialysis. Evers J, et al. **Eur J Clin Pharmacol** 1987;32(5):503–5

Oral isosorbide-5-mononitrate: pharmacokinetics and clinical efficacy. Kanto JH. **Int J Clin Pharmacol Ther Toxicol** 1987 Mar;25(3):129–35

Pituitary apoplexy following isosorbide administration [letter] Bevan JS, et al. **J Neurol Neurosurg Psychiatry** 1987 May; 50(5):636–7

In vitro evidence of an endothelial cell-dependent antiplatelet activity for isosorbide dinitrate, but not for its 2- and 5-mononitrate metabolites. Rolland PH, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):234–40

Influence of beta-blocker coadministration on the kinetics of isosorbide mononitrate and dinitrate. Ochs HR, et al. **Klin Wochenschr** 1986 Dec 1;64(23):1213–6

Dose-dependent effects of isosorbide-5-mononitrate on the venous, arterial and coronary arterial system of conscious dogs. Bassenge E, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Sep; 334(1):100–4

Enhanced platelet sensitivity to prostacyclin after

isosorbide-5-mononitrate in patients with stable angina pectoris. Davi G, et al. **Z Kardiol** 1986;75 Suppl 3:80-2
The therapeutic role of isosorbide-5-mononitrate + in stable and unstable angina pectoris. Distante A, et al. **Z Kardiol** 1986;75 Suppl 3:38-41 (15 ref.)
[Bioavailability of delayed-action and non-delayed-action preparations of isosorbide-5-nitrate] Heidemann R, et al. **Dtsch Med Wochenschr** 1987 May 1;112(18):719-22 (Eng. Abstr.) **(Ger)**
[Effect of 50 mg isosorbide-5-nitrate retard on the stress tolerance of patients with coronary heart disease] Eggeling T, et al. **Med Klin** 1986 Apr 11;81(8):275-80 (Eng. Abstr.) **(Ger)**
[Anti-angina action and tolerance of isosorbide-5-mononitrate or nifedipine in retard form] Eriemeier HH, et al. **Z Kardiol** 1986;75 Suppl 3:112-4 (Eng. Abstr.) **(Ger)**
[Intraindividual dose-response relationship of sustained-release Elantan] Kenedi P. **Z Kardiol** 1986;75 Suppl 3:77-9 (Eng. Abstr.) **(Ger)**
[Therapeutic effectiveness of isosorbide-5-mono nitrate in the treatment of exertion myocardial ischemia] Cassottana P, et al. **Minerva Cardioangiol** 1987 Jan-Feb;35(1-2):79-82 (Eng. Abstr.) **(Ita)**
[Studies on isosorbide dinitrate. II. Determination of isosorbide 5-mononitrate in human plasma and pharmacokinetics] Sugiyama T, et al. **Yakugaku Zasshi** 1987 Jan;107(1):65-9 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Thin-layer chromatography of isosorbide dinitrate, nitroglycerin and their degradation products. Carlson M, et al. **J Chromatogr** 1986 Oct 24;368(2):472-5

BLOOD

Comparative studies of the influence of dietary fat on plasma levels of isosorbide dinitrate from two sustained-release products. Tada H, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):2967-72
[Studies on isosorbide dinitrate. I. Determination of isosorbide dinitrate in human plasma by capillary column gas liquid chromatography] Sugiyama T, et al. **Yakugaku Zasshi** 1986 Nov;106(11):1017-20 (Eng. Abstr.) **(Jpn)**

METABOLISM

Determination of isosorbide dinitrate biotransformation in various tissues of the rabbit by capillary column gas-liquid chromatography. Tam GS, et al. **Biopharm Drug Dispos** 1987 Jan-Feb;8(1):37-45

PHARMACODYNAMICS

Acute effects of sublingual isosorbide dinitrate on global and regional left ventricular diastolic filling in normal persons. Yamagishi T, et al. **Am J Cardiol** 1986 Nov 15; 58(11):1061-6
The acute effect of sublingual nifedipine and isosorbide dinitrate on plasma viscosity in patients with acute myocardial infarction. Weinberger I, et al. **Clin Cardiol** 1986 Nov;9(11):556-60
Cardiovascular effects of isosorbide dinitrate infused intravenously into anaesthetized dogs. Kuromaru O, et al. **Clin Exp Pharmacol Physiol** 1986 Aug;13(8):619-28
Effect of slow-release ISDN on cardiac function in patients with coronary heart disease during bicycle ergometry. Pech HJ, et al. **Cor Vasa** 1986;28(4):257-65
Changes in distal esophageal function in response to cooling. Kaye MD, et al. **Dig Dis Sci** 1987 Jan;32(1):22-7
A comparison of the effects of isosorbide dinitrate on isolated rabbit aorta and vena cava: role of guanosine 3',5'-cyclic monophosphate in vascular smooth muscle relaxation. Matsuoka I, et al. **Fukushima J Med Sci** 1986 Jun; 32(1):29-37
Hemodynamic evaluation of isosorbide dinitrate in alcoholic cirrhosis. Pharmacokinetic-hemodynamic interactions. Blei AT, et al. **Gastroenterology** 1987 Sep;93(3):576-83
Comparative effects of captopril and isosorbide dinitrate on the arterial wall of hypertensive human brachial arteries. Safar ME, et al. **J Cardiovasc Pharmacol** 1986 Nov-Dec; 8(6):1257-61
In vitro evidence of an endothelial cell-dependent antiplatelet activity for isosorbide dinitrate, but not for its 2- and 5-mononitrate metabolites. Rolland PH, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):234-40
Inhalation of carbon dioxide enhances the coronary vasodilating action of isosorbide dinitrate in the dog. Nakamura J, et al. **Jpn J Pharmacol** 1987 Feb;43(2):221-5
[The effect of isosorbide dinitrate-VUFB using right-sided heart catheterization Kohout P, et al. **Cas Lek Cesk** 1986 Sep 26;125(38-39):1204-7 (Eng. Abstr.) **(Cze)**
[Dinitrosorbilong—a new Soviet anti-angina preparation. Its comparative pharmacodynamic, pharmacokinetic and clinical study] Metelitsa VI, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1986;9(2):20-4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Antihypertensive effect of sustained-release isosorbide dinitrate for isolated systolic systemic hypertension in the elderly. Duchier J, et al. **Am J Cardiol** 1987 Jul 1; 60(1):99-102
Comparison of nifedipine and isosorbide dinitrate when added to maximal propranolol therapy in stable angina pectoris. Nesto RW, et al. **Am J Cardiol** 1987 Aug 1; 60(4):256-61
The acute effects of intravenous isosorbide dinitrate during cardiac surgery. Parsons RS, et al. **Anaesthesia** 1987 May; 42(5):498-502
Hemodynamic changes associated with angina pectoris induced by maximal treadmill exercise: effect of sublingual isosorbide dinitrate on systolic time intervals. Thompson EJ, et al. **Angiology** 1976 May;27(5):269-79
The use of isosorbide in the treatment of severe, uncontrolled hypertension. Fontanet H, et al. **Arch Intern Med** 1987 Mar; 147(3):426-8
Adenosine, dipyridamole and isosorbide dinitrate are ineffective to prevent the sympathetic initiation of poststenotic myocardial ischemia. Heusch G, et al. **Arzneimittelforschung** 1986 Jul;36(7):1045-8
Preoperative myocardial ischaemia: its relation to perioperative infarction. Yousif H, et al. **Br Heart J** 1987 Jul;58(1):9-14
Hemodynamic effects of intravenous isosorbide dinitrate and nitroglycerine in acute myocardial infarction and elevated pulmonary artery wedge pressure. Roth A, et al. **Chest** 1987 Feb;91(2):190-6
Veterans Administration Cooperative Study on Vasodilator Therapy of Heart Failure: influence of prerandomization variables on the reduction of mortality by treatment with hydralazine and isosorbide dinitrate. Cohn JN, et al. **Circulation** 1987 May;75(5 Pt 2):IV49-54
Arterial dynamics, cardiac hypertrophy, and antihypertensive treatment. Safar ME, et al. **Circulation** 1987 Jan;75(1 Pt 2):I156-61
The haemodynamic and anti-ischaemic effects of a single tablet of 80 mg isosorbide dinitrate in slow-release formulation and a review of nitrate tolerance. Silber S, et al. **Drugs** 1987;33 Suppl 4:69-79
Isosorbide dinitrate and pulsatile arterial haemodynamic variables in hypertension. Levenson J, et al. **Eur Heart J** 1986 Oct;7(10):898-903
Conventional and slow release formulations of nifedipine and verapamil are more effective than slow release isosorbide dinitrate (ISDN) in preventing episodes of angina at rest [letter] Schneeweiss A. **Eur Heart J** 1987 Apr;8(4):435-6
Coronary vasodilation by nitrates is not mediated by the prostaglandin system: a quantitative cineangiographic study. Simonetti I, et al. **J Am Coll Cardiol** 1986 Dec; 8(6):1263-70
Effects of isosorbide dinitrate on portal hypertension in alcoholic cirrhosis. Merkel C, et al. **J Hepatol** 1987 Apr; 4(2):174-80
Antianginal effect of isosorbide dinitrate spray in patients with exercise-induced stable angina. Aärynen M, et al. **J Int Med Res** 1986;14(6):303-5
Recent developments in nitrate therapy of ischaemic heart disease. Horowitz JD, et al. **Med J Aust** 1987 Jan 19; 146(2):93-6
Vasodilator therapy in congestive heart failure [letter] **N Engl J Med** 1986 Nov 6;315(19):1227-8
[Hemodynamic changes during treatment with isodinit, sectral, stenopril and kratemon] Stankusheva G, et al. **Vutr Boles** 1987;26(2):33-8 **(Bul)**
[Vasodilator agents in the therapeutic arsenal of cardiac insufficiency] Lavitola P de L, et al. **Rev Paul Med** 1986 May-Jun;104(3):136-40 **(Por)**
[Use of transesophageal electrical stimulation of the left atrium for assessing the anti-ischemic effect of nitrosorbide] Mironova IIu, et al. **Kardiologiia** 1986 Nov;26(11):47-51 (Eng. Abstr.) **(Rus)**
[Comparative evaluation of the efficacy of nitrosorbide and nitroglycerin in acute myocardial infarct patients] Zharov EI, et al. **Kardiologiia** 1987 Feb;27(2):41-6 (Eng. Abstr.) **(Rus)**
[Effect of nitrosorbide on blood circulation in patients with heart failure] Koshlia VI. **Klin Med (Mosk)** 1986 Jul; 64(7):123-5 **(Rus)**
[Comparative evaluation of the effect of phentolamine and nitrosorbide on the central hemodynamics of children with chronic heart failure] Serbin VI, et al. **Pediatriia** 1986 Sep; (9):72-3 **(Rus)**
[Efficacy of erynite in angina pectoris] Martsevich SIu, et al. **Sov Med** 1987;(2):67-9 **(Rus)**
[Effect of nitrosorbide on the hemodynamics under physical loading in patients with ischemic heart disease] Kupchinskaia EG, et al. **Vrach Delo** 1986 Nov;(11):66-8 (Eng. Abstr.) **(Rus)**

ISOSPORA

CLASSIFICATION

Isospora elmahalensis n. sp. (Apicomplexa, Eimeriidae), a parasite of the white-cheeked bulbul (Pycnonotus leucogenys) in Saudi Arabia. Amoudi MA. **J Protozool** 1987 Feb;34(1):26-7

GROWTH & DEVELOPMENT

Reduced pre-patent period in experimental infection of piglets with the coccidium Isospora suis. Vítovec J, et al. **Folia Parasitol (Praha)** 1987;34(1):10
Development of Isospora suis from pigs in primary porcine and bovine cell cultures. Lindsay DS, et al. **Vet Parasitol** 1987 May;24(3-4):301-4

ISOLATION & PURIFICATION

Isospora manchacensis n. sp., an intranuclear coccidian from the Louisiana ground skink, Scincella lateralis (Say, 1823) (Lacertilia: Scincidae). Atkinson CT, et al. **J Parasitol** 1987 Aug;73(4):817-23
Coccidian parasites (Apicomplexa: Eimeriidae) from insectivores. III. Seven new species in shrews (Soricidae: Soricinae) from Canada, Japan, and the United States. Hertel LA, et al. **J Parasitol** 1987 Feb;73(1):172-83
Staining of Isospora belli oocysts. Bush JB, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):244

PHYSIOLOGY

The sporulation time of Isospora suis oocysts from different sources. Ernst JV, et al. **Vet Parasitol** 1986 Nov;22(1-2):1-8

ULTRASTRUCTURE

[Ultrastructure of chronic reticuloendothelial forms of Isospora of sparrows] Boulard Y, et al. **Ann Parasitol Hum Comp** 1987;62(2):181-4 (Eng. Abstr.) **(Fre)**

ISOSPORA INFECTIONS see **COCCIDIOSIS**

ISOTACHOPHORESIS see **ELECTROPHORESIS**

ISOTHIURONIUM see under **THIOUREA**

ISOTONIC CONTRACTION see under **MUSCLE CONTRACTION**

ISOTONIC SOLUTIONS

Temperature of i.v. solutions [letter] Thomas DV. **Anesth Analg** 1987 Mar;66(3):286
Irrigating solutions used in arthroscopy and their effect on articular cartilage. An in vivo study. Arciero RA, et al. **Orthopedics** 1986 Nov;9(11):1511-5
[Comparison of lactated Ringer's and 5% dextrose-saline mixture solutions as intra-operative hydrating agents] Ogawa R, et al. **Masui** 1987 Jan;36(1):94-100 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Hypotonic and isotonic aerosols increase bronchial reactivity in basenji-greyhound dogs. Osborne ML, et al. **Am Rev Respir Dis** 1987 Feb;135(2):345-9
Cardiovascular response to rapid infusion of lactated Ringer's. Haneda K, et al. **Tohoku J Exp Med** 1986 Aug; 149(4):397-406
Transperitoneal oxygenation with lactated Ringer's solution. Kim WO, et al. **Yonsei Med J** 1987;28(1):34-7

ADVERSE EFFECTS

Compound sodium lactate (Hartmann's) solution. Caution: risk of clotting. Edwards MP, et al. **Anaesthesia** 1986 Oct; 41(10):1053-4

ANALYSIS

Isolation of choline and choline esters from Krebs-Ringer solution for gas chromatographic determination. Budai D, et al. **Anal Biochem** 1986 Dec;159(2):260-6

METABOLISM

[Experimental analysis of mechanisms of substrate regulation of the structure of the small intestine] Ugolev AM, et al. **Fiziol Zh SSSR** 1987 Feb;73(2):149-54 **(Rus)**

PHARMACODYNAMICS

Characteristics of myocardial contractions activated under depolarizing conditions. Vassallo DV, et al. **Braz J Med Biol Res** 1986;19(3):439-49
Contractile responses to ouabain and potassium-free solution in vascular tissue from renal hypertensive rats. Myers JH, et al. **J Hypertens** 1987 Apr;5(2):161-71
Plasma expansion does not precipitate the fall in plasma vasopressin in humans drinking isotonic fluids. Cotter TP, et al. **J Physiol (Lond)** 1986 Jul;376:429-38
[Effects of lactate and sorbitol on blood lactate levels and acid base status] Sakata S, et al. **Masui** 1986 Sep; 35(9):1395-401 (Eng. Abstr.) **(Jpn)**
[Changes in the filtration-absorption equilibrium in the lungs in response to electrolyte hemodilution] Vasil'ev AIu, et al. **Fiziol Zh SSSR** 1986 Sep;72(9):1206-12 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

A prospective analysis of hypertonic lactated saline v. Ringer's lactate-colloid for the resuscitation of severely burned children. Bowser-Wallace BH, et al. **Burns Incl Therm Inj** 1986 Aug;12(6):402-9
Restoration of volume by crystalloid versus colloid after coronary artery bypass: hemodynamics, lung water, oxygenation, and outcome. Karanko MS, et al. **Crit Care Med** 1987 Jun;15(6):559-66

Effect of intravenous administration of Ringer's lactate on maternal capillary blood glucose before elective cesarean section. Chestnut DH, et al. **J Reprod Med** 1987 Mar; 32(3):191–3

Lack of prevention of adhesion formation following tubal microsurgery in the rabbit. Hadick CL, et al. **Millit Med** 1987 Mar;152(3):144–5

Comparative studies on lactate Ringer solution and lactate Ringer Dextrose solution in dogs during surgery. Orima H, et al. **Nippon Juigaku Zasshi** 1987 Feb;49(1):61–6

Fluid resuscitation in canine traumatic–hemorrhagic shock: long–term comparison of hydroxyethyl starch vs. Ringer's lactate. Brückner UB, et al. **Prog Clin Biol Res** 1987; 236B:197–204

Skin microvascular permeability after resuscitation with Ringer's lactate solution from endotoxin shock. Mullins RJ, et al. **Surg Gynecol Obstet** 1987 Jan;164(1):49–56

[Value of an amphoteric isotonic solution in the early treatment of corneoconjunctival alkali chemical burns: experimental and histological study] Josset P, et al. **Bull Soc Ophtalmol Fr** 1986 Jun–Jul;86(6–7):765–9 **(Fre)**

ISOTOPE LABELING

Direct determination of the specific activity of RNA uniformly labeled with 32P. Mueller DM, et al. **Anal Biochem** 1987 May 1;162(2):521–8

Proceedings of the British Institute of Radiology. Radioisotope labelling of circulating cells—techniques and clinical applications. Abstracts. London, November 22–23, 1984. **Br J Radiol** 1985 Sep;58(693):917–29

Pharmacokinetics of the monoclonal antibody B72.3 and its fragments labeled with either 125I or 111In. Brown BA, et al. **Cancer Res** 1987 Feb 15;47(4):1149–54

Radioiodinated surface proteins of rabbit trophectoderm cells. Ricketts AP, et al. **Cell Tissue Res** 1986;246(3):667–71

In vitro function of radiocolloid–labelled monocytes. Ensing GJ, et al. **Eur J Nucl Med** 1986;12(4):163–7

Preparation of [99mTc(DMPE)2Cl2]+ for myocardial imaging by using Fe–(DMPE) complexes. Berger R, et al. **Int J Rad Appl Instrum [A]** 1986;37(3):197–200

NCA 16 alpha–[18F]fluoroestradiol–17 beta: the effect of reaction vessel on fluorine–18 resolubilization, product yield, and effective specific activity. Brodack JW, et al. **Int J Rad Appl Instrum [A]** 1986;37(3):217–21

Synthesis and identification of [76As]arsenic trichloride. Emran AM, et al. **Int J Rad Appl Instrum [A]** 1986; 37(6):545–7

Carbon–11 labeled dialkylketones: synthesis of 9–[11C]heptadecan–9–one. Kothari PJ, et al. **Int J Rad Appl Instrum [A]** 1986;37(6):471–3

Synthesis of nitrogen–13 labeled alkylamines via amination of organoboranes. Kothari PJ, et al. **Int J Rad Appl Instrum [A]** 1986;37(6):469–70

Synthesis of 15–(p–iodophenyl) pentadecanoic acid labelled with carbon–14. Le Bars D, et al. **Int J Rad Appl Instrum [A]** 1986;37(3):256–7

The synthesis of the neuropeptide Met–enkephalin and two metabolic fragments labelled with 11C in the methionine methyl group. Någren K, et al. **Int J Rad Appl Instrum [A]** 1986;37(6):537–9

omega–Iodophenyl fatty acids: a convenient method of radioiodination. Otto CA, et al. **Int J Rad Appl Instrum [A]** 1986;37(3):205–10

Examination of the mechanism of sucrose synthetase by positional isotope exchange. Singh AN, et al. **J Biol Chem** 1987 Feb 25;262(6):2554–7

Synthesis and characterization of congeners of misonidazole for imaging hypoxia. Grunbaum Z, et al. **J Nucl Med** 1987 Jan;28(1):68–75

Fluorine–18 labeling of proteins. Kilbourn MR, et al. **J Nucl Med** 1987 Apr;28(4):462–70

Lymphocyte radiolabeling: a challenge to their survival [letter] Meignan M, et al. **J Nucl Med** 1987 Jul;28(7):1228–9

Different cell moieties and white blood cell (WBC) integrity in 111In labeled WBC preparations. Saha GB, et al. **J Nucl Med Allied Sci** 1987 Apr–Jun;31(2):201–5

Use of new heterobifunctional reagent for radiometallic labeling of antibodies. Wang TS, et al. **NCI Monogr** 1987; (3):145–8

Mass spectrometry of lipids labeled with stable isotopes. Rohwedder WK. **Prog Lipid Res** 1985;24(1):1–18 (65 ref.)

INSTRUMENTATION

A 122Xe–122I generator for remote radio–iodinations. Mathis CA, et al. **Int J Rad Appl Instrum [A]** 1986;37(3):258–60

METHODS

Should platelets be radiolabelled in plasma medium? Tsan MF, et al. **Am J Hematol** 1987 Jul;25(3):355–9

Improved preparation of semisynthetic PheB1–tritiated insulin. Grant KI, et al. **Biol Chem Hoppe Seyler** 1987 Mar; 368(3):239–48

Identification of factors affecting technetium 99m leucocyte labelling by phagocytic engulfment and development of an optimal technique. Hanna RW, et al. **Eur J Nucl Med** 1986;12(4):159–62

Isolation and labelling of human leukocytes with 99mTc. Kelbaek H. **Eur J Nucl Med** 1986;12(3):107–9

Synthesis of carbon–11 labelled glycine and the dipeptides L–phenylalanylglycine and L–leucylglycine. Bolster JM, et al. **Int J Rad Appl Instrum [A]** 1986;37(9):985–7

Optimization of [11C]HCN production and no–carrier–added [1–11C]amino acid synthesis. Iwata R, et al. **Int J Rad Appl Instrum [A]** 1987;38(2):97–102

Comparative evaluation of electrophilic aromatic iododemetallation techniques for labeling radiopharmaceuticals with iodine–122. Moerlein SM, et al. **Int J Rad Appl Instrum [A]** 1987;38(2):85–90

Rapid reductive–carboxylation of secondary amines, one pot synthesis of N'–(4–11C–methyl)imipramine. Ram S, et al. **Int J Rad Appl Instrum [A]** 1986;37(5):391–5

An automated high pressure reaction vessel for routine preparation of short–lived radiopharmaceuticals. Ropchan JR, et al. **Int J Rad Appl Instrum [A]** 1986;37(10):1063–8

A new radioiodine exchange labeling technique. Sinn HJ, et al. **Int J Rad Appl Instrum [A]** 1986;37(1):17–21

Reactor production and detection of radiolabeled cis–platinum. Sykes TR, et al. **Int J Rad Appl Instrum [A]** 1986;37(3):231–6

Preparation and immunoreactivity of high specific activity indium–111–DTPA labeled monoclonal antibody (MoAb) using ultrapure indium–111. Zoghbi SS, et al. **Invest Radiol** 1986 Oct;21(10):788–92

Biosynthetic labeling of hypusine in mammalian cells. Carbon–hydrogen bond fissions revealed by dual labeling. Park MH, et al. **J Biol Chem** 1986 Oct 25;261(30):14108–11

High yield synthesis of 6–[18F]fluoro–L–dopa by regioselective fluorination of protected L–dopa with [18F]acetylhypofluorite. Chaly T, et al. **J Nucl Med** 1986 Dec;27(12):1896–901

New method for the chelation of indium–111 to monoclonal antibodies: biodistribution and imaging of athymic mice bearing human colon carcinoma xenografts. Esteban JM, et al. **J Nucl Med** 1987 May;28(5):861–70

In vivo versus in vitro labeling of red blood cells in hepatic cavernous hemangioma [letter] Floyd JL, et al. **J Nucl Med** 1986 Dec;27(12):1940–1

Comparison of several indium–111 ligands in labeling blood cells: effect of diethylpyrocarbonate and CO2. Goedemans WT, et al. **J Nucl Med** 1987 Jun;28(6):1020–6

Iodination of monoclonal antibodies for diagnosis and radiotherapy using a convenient one vial method. Haisma HJ, et al. **J Nucl Med** 1986 Dec;27(12):1890–5

Acute toxicity to vehicle in commercial radiothyronines [letter] Hays MT, et al. **J Nucl Med** 1986 Dec;27(12):1942–3

Effects of chelates and incubation media on platelet labeling with indium–111. Hill–Zobel RL, et al. **J Nucl Med** 1987 Feb;28(2):223–8

Technetium–99m labeling of red blood cells: in vitro evaluation of a new approach. Kelbaek H. **J Nucl Med** 1986 Nov;27(11):1770–3

High efficiency iodination of monoclonal antibodies for radiotherapy. Mather SJ, et al. **J Nucl Med** 1987 Jun; 28(6):1034–6

Leukocyte labeling with technetium–99m tin colloids. Mock BH, et al. **J Nucl Med** 1987 Sep;28(9):1471–7

Technetium–99m radiopharmaceutical preparation by surface adsorbed stannous ions. Salehi N, et al. **J Nucl Med** 1987 Jun;28(6):1041–6

Toxicity of indium–111 on lymphocytes [letter] Signore A, et al. **J Nucl Med** 1987 Aug;28(8):1365

An improved method for the sterile preparation of indium–111–labeled platelets. Cella G, et al. **J Nucl Med Allied Sci** 1986 Apr–Sep;30(2–3):129–32

Validation of radioisotopic labelling techniques in gastric emptying studies. Corinaldesi R, et al. **J Nucl Med Allied Sci** 1987 Apr–Jun;31(2):207–12

Evaluation of three methods of platelet labelling. Mortelmans L, et al. **Nucl Med Commun** 1986 Jul;7(7):519–29

Evaluation of three methods of platelet labelling [letter] Peters AM, et al. **Nucl Med Commun** 1987 Mar;8(3):183–4

Labeling of sarcoma associated monoclonal antibody with 111In, 67Ga and 125I. Lavie E, et al. **Radiother Oncol** 1987 Feb;8(2):129–35

[Practical experiences with radioiodine labeling of antibodies—a review] Schmidt HE, et al. **Radiobiol Radiother (Berl)** 1986;27(4):373–85 (72 ref.) (Eng. Abstr.) **(Ger)**

[Scintigraphy with In–111 labeled leukocytes: simplified labeling and its clinical application] Itoh K, et al. **Kaku Igaku** 1987 Mar;24(3):341–51 **(Jpn)**

[The development of new tumor imaging 99mTc (V)–DMS kit: preparation and labeling condition studies] Yomoda I, et al. **Kaku Igaku** 1987 Jan;24(1):77–82 **(Jpn)**

[High–yield synthesis of 14C labeled alicyclic amino acids with high specific radioactivity using potassium (14C) cyanide] Shiba K, et al. **Radioisotopes** 1986 Jul;35(7):361–6 (Eng. Abstr.) **(Jpn)**

VETERINARY

Radiolabeling of equine platelets in plasma with 111In–(2–mercaptopyridine–N–oxide) and their in vivo survival. Coyne CP, et al. **Am J Vet Res** 1987 Mar; 48(3):385–91

ISOTOPES

Use of stable isotopes in the elucidation of drug biotransformation processes. Vandenheuvel WJ. **Xenobiotica** 1987 Mar;17(3):397–412 (33 ref.)

DIAGNOSTIC USE

Stable isotopes in clinical research. Keller U, et al. **Bull Schweiz Akad Med Wiss** 1985–86;:53–72

THERAPEUTIC USE

The Monte Carlo simulation of the biological effect of the 10B(n, alpha)7Li reaction in cells and tissue and its implication for boron neutron capture therapy. Gabel D, et al. **Radiat Res** 1987 Jul;111(1):14–25

ISOXAZOLES see under **OXAZOLES**

ISOXSUPRINE

PHARMACODYNAMICS

Cardiovascular and pharmacokinetic effects of isoxsuprine in the horse. Matthews NS, et al. **Am J Vet Res** 1986 Oct; 47(10):2130–3

Skin flap neovascularization by means of a vasodilator. Sastre N, et al. **J Reconstr Microsurg** 1987 Apr;3(3):265–8

THERAPEUTIC USE

A comparative study of intrauterine fetal resuscitation by beta–stimulant and O2 inhalation. Hidaka A, et al. **Asia Oceania J Obstet Gynaecol** 1987 Jun;13(2):195–200

ISPAGHULA see **PSYLLIUM**

ITAI–ITAI see **CADMIUM POISONING**

ITCHING see **PRURITUS**

ITO SYNDROME see **PIGMENTATION DISORDERS**

IUDR see **IDOXURIDINE**

IUGR see **FETAL GROWTH RETARDATION**

IVERMECTIN

ADMINISTRATION & DOSAGE

Controlled trial and dose–finding study of ivermectin for treatment of onchocerciasis. White AT, et al. **J Infect Dis** 1987 Sep;156(3):463–70

Dose–ranging study of ivermectin in treatment of filariasis due to Wuchereria bancrofti [letter] Diallo S, et al. **Lancet** 1987 May 2;1(8540):1030

Control of induced infestations of adult Amblyomma hebraeum with sustained release ivermectin. Soll MD, et al. **Onderstepoort J Vet Res** 1987 Mar;54(1):17–20

Dosage of ivermectin for birds [letter] Coles BH. **Vet Rec** 1987 Jun 20;120(25):604

ADVERSE EFFECTS

Ivermectin toxicosis in a dog. Houston DM, et al. **J Am Vet Med Assoc** 1987 Jul 1;191(1):78–80

Response to physostigmine administration in collie dogs exhibiting ivermectin toxicosis. Tranquilli WJ, et al. **J Vet Pharmacol Ther** 1987 Mar;10(1):96–100

ANALOGS & DERIVATIVES

Determination of ivermectin by fluorescence derivatization. Stong JD. **Anal Chem** 1987 Jan 15;59(2):266–70

"Streptomyces avermitilis" mutants defective in methylation of avermectins. Schulman MD, et al. **Antimicrob Agents Chemother** 1987 May;31(5):744–7

Methylation of demethylavermectins. Schulman MD, et al. **Antimicrob Agents Chemother** 1987 Jun;31(6):964–5

Differences in the action of avermectin B1a on the GABAA receptor complex of mouse and rat. Soderlund DM, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):692–8

Avermectins: action on target pest species. Wright DJ. **Biochem Soc Trans** 1987 Feb;15(1):65–7

The actions of avermectin on crayfish nerve and muscle. Chalmers AE, et al. **Eur J Pharmacol** 1986 Oct 7; 129(3):371–4

Chitin metabolism: not a target of avermectin/milbemycin activity in insects. Gordnier PM, et al. **J Antibiot (Tokyo)** 1987 Jan;40(1):110–2

Determination of 22,23–dihydroavermectin B1a in dog plasma using solid–phase extraction and high–performance liquid chromatography. Kojima K, et al. **J Chromatogr** 1987 Jan 23;413:326–31

ANALYSIS

Determination of ivermectin by fluorescence derivatization. Stong JD. **Anal Chem** 1987 Jan 15;59(2):266–70

Determination of ivermectin in human plasma and milk by high–performance liquid chromatography with fluorescence detection. Chiou R, et al. **J Chromatogr** 1987 Apr 24;416(1):196–202

BLOOD

Determination of 22,23–dihydroavermectin B1a in dog plasma using solid–phase extraction and high–performance liquid chromatography. Kojima K, et al. **J Chromatogr** 1987 Jan 23;413:326–31

A robotic sample preparation scheme for the high performance liquid chromatographic determination of ivermectin in animal plasma. Pivnichny JV, et al. **J Chromatogr Sci** 1987 May;25(5):181–6

METABOLISM

Metabolic disposition of ivermectin in tissues of cattle, sheep, and rats. Chiu SH, et al. **Drug Metab Dispos** 1986 Sep–Oct; 14(5):590–600

The pharmacokinetics of ivermectin after oral and subcutaneous administration to sheep and horses. Marriner SE, et al. **J Vet Pharmacol Ther** 1987 Jun;10(2):175–9

PHARMACODYNAMICS

DIDS, an anion transport blocker, modulates ivermectin-induced enhancement of benzodiazepine receptor binding in rat brain. Matsumoto K, et al. **Gen Pharmacol** 1986;17(5):519–23

Effect of ivermectin on survival and fecundity of horn flies and stable flies (Diptera: Muscidae). Miller JA, et al. **J Econ Entomol** 1986 Dec;79(6):1564–9

Studies of the growth-regulating effects of ivermectin on larval Onchocerca lienalis in vitro. Lok JB, et al. **J Parasitol** 1987 Feb;73(1):80–4

Environmental consequences of treating cattle with the antiparasitic drug ivermectin. Wall R, et al. **Nature** 1987 Jun 4–10;327(6121):418–21

Anticonvulsant effects of ivermectin in genetically-epileptic chickens. Crichlow EC, et al. **Neuropharmacology** 1986 Oct;25(10):1085–8

The actions of ivermectin on cultured chick spinal cord neurons. Matsumoto K, et al. **Neurosci Lett** 1986 Sep 12; 69(3):279–84

Effect of ivermectin on serum dependent cellular interactions to Dipetalonema viteae microfilariae. Rao UR, et al. **Trop Med Parasitol** 1987 Jun;38(2):123–7

Ivermectin effect on microfilariae of Onchocerca volvulus after a single oral dose in humans. Soboslay PT, et al. **Trop Med Parasitol** 1987 Mar;38(1):8–10

THERAPEUTIC USE

Efficacy of ivermectin in a topical formulation against induced gastrointestinal and pulmonary nematode infections, and naturally acquired grubs and lice in cattle. Alva-Valdes R, et al. **Am J Vet Res** 1986 Nov; 47(11):2389–92

Anthelmintic efficacy of ivermectin in naturally parasitized cats. Blagburn BL, et al. **Am J Vet Res** 1987 Apr; 48(4):670–2

Anthelmintic effect of levamisole hydrochloride or ivermectin on tissue toxocariasis of mice. Carrillo M, et al. **Am J Vet Res** 1987 Feb;48(2):281–3

Efficacy of dichlorvos, fenbendazole, and ivermectin in swine with induced intestinal nematode infections. Marchiondo AA, et al. **Am J Vet Res** 1987 Aug;48(8):1233–5

Infestivity of Psoroptes ovis on ivermectin-treated cattle. Strickland RK, et al. **Am J Vet Res** 1987 Mar;48(3):342–4

The chemotherapy of onchocerciasis. XI. A double-blind comparative study of ivermectin, diethylcarbamazine and placebo in human onchocerciasis in northern Ghana. Awadzi K, et al. **Ann Trop Med Parasitol** 1986 Aug; 80(4):433–42

Ocular findings in a double-blind study of ivermectin versus diethylcarbamazine versus placebo in the treatment of onchocerciasis. Dadzie KY, et al. **Br J Ophthalmol** 1987 Feb;71(2):78–85

Strongylus vulgaris in the tunica media of arteries of ponies and treatment with ivermectin. Slocombe JO, et al. **Can J Vet Res** 1987 Apr;51(2):232–5

Five cases of psoroptic mange in the domestic donkey (Equus asinus asinus) and treatment with ivermectin. Abu-Samra MT, et al. **Equine Vet J** 1987 Mar;19(2):143–4

Evaluation of ivermectin paste in the treatment of ponies for Parascaris equorum infections. DiPietro JA, et al. **J Am Vet Med Assoc** 1987 May 1;190(9):1181–3

Use of ivermectin in treatment of Aelurostrongylus abstrusus and Toxocara cati infection in a cat. Kirkpatrick CE, et al. **J Am Vet Med Assoc** 1987 May 15;190(10):1309–10

Ivermectin in the successful treatment of a patient with Mansonella ozzardi infection. Nutman TB, et al. **J Infect Dis** 1987 Oct;156(4):662–5

Efficacy of ivermectin against the pig mange mite Sarcoptes scabiei var. suis. Soll MD, et al. **J S Afr Vet Assoc** 1987 Mar;58(1):29–30

Comparison of treatments for Psorergates mites in stumptailed macaques (Macaca arctoides). Bowman TA, et al. **Lab Anim Sci** 1987 Feb;37(1):100–2

Prophylactic activity of ivermectin against Dirofilaria immitis infection in dogs: larvicidal activity of ivermectin against D. immitis larvae 30 days after infection. Ohishi I, et al. **Nippon Juigaku Zasshi** 1987 Feb;49(1):115–20

Prophylactic activity of ivermectin against Dirofilaria immitis infection in dogs: establishment of effective dose and administration schedule. Ohishi I, et al. **Nippon Juigaku Zasshi** 1987 Jun;49(3):439–45

A double-blind comparison of the efficacy and safety of ivermectin and diethylcarbamazine in a placebo controlled study of Senegalese patients with onchocerciasis. Diallo S, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):927–34

Control of cattle mange in southern Africa using ivermectin. Soll MD, et al. **Trop Anim Health Prod** 1987 May; 19(2):93–102

Effect of ivermectin in Dipetalonema viteae and Litomosoides carinii infections of Mastomys natalensis. Zahner H, et al. **Trop Med Parasitol** 1987 Jun;38(2):117–22

Treatment of inhibited Dictyocaulus viviparus in cattle with ivermectin. Barth D, et al. **Vet Parasitol** 1987 Jun; 25(1):61–6

Evaluation of the parasitological and production responses of a cow/calf operation to an anthelmintic program with ivermectin. Ciordia H, et al. **Vet Parasitol** 1987 Feb; 23(3–4):265–71

Prophylaxis of nematode infections in cattle with an indwelling rumino-reticular ivermectin sustained release bolus. Egerton JR, et al. **Vet Parasitol** 1986 Nov; 22(1–2):67–75

The prophylactic effect of ivermectin treatment of calves, three weeks after turnout, on gastro-intestinal helminthiasis. Eysker M. **Vet Parasitol** 1986 Nov; 22(1–2):95–103

Comparison of ivermectin and thiabendazole for treatment of naturally occurring nematode infections of goats in Kenya. Njanja JC, et al. **Vet Parasitol** 1987 Feb; 23(3–4):205–9

Systemic efficacy of ivermectin against Dermanyssus gallinae (De Geer, 1778) in fowls. Zeman P. **Vet Parasitol** 1987 Jan;23(1–2):141–6

Control of parasitic bronchitis and gastroenteritis in grazing cattle by strategic prophylaxis with ivermectin. Armour J, et al. **Vet Rec** 1987 Jul 4;121(1):5–8

Efficacy of four anthelmintics against benzimidazole-resistant cyathostomes of horses. Bürger HJ, et al. **Vet Rec** 1987 Mar 28;120(13):293–6

Use of ivermectin for guinea pig mange [letter] Harvey RG. **Vet Rec** 1987 Apr 4;120(14):351

Control of gastrointestinal nematodes in dairy heifers by two strategic treatments with ivermectin. Herd RP, et al. **Vet Rec** 1987 Apr 25;120(17):406–9

Early season parasitic gastroenteritis in calves and its prevention with ivermectin. Jacobs DE, et al. **Vet Rec** 1987 Jan 10;120(2):29–31

Comparison of the anthelmintic efficacy of oxfendazole or ivermectin administered orally and ivermectin administered subcutaneously to sheep during the periparturient period. McKellar QA, et al. **Vet Rec** 1987 Apr 18;120(16):383–6

Efficacy of ivermectin against goat warbles (Przhevalskiana silenus Brauer). Tassi P, et al. **Vet Rec** 1987 Apr 25; 120(17):421

Comparison of vaccination and ivermectin treatment in the prevention of bovine lungworm. Taylor SM, et al. **Vet Rec** 1986 Oct 11;119(15):370–2

[Ivermectin in the treatment and prevention of human onchocerciasis] Larivière M, et al. **Ann Med Interne (Paris)** 1987;138(1):49–51 (Eng. Abstr.) **(Fre)**

[Loaiasis and its therapeutic difficulties] Toufic N. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1986;63(1–2):145–51 **(Fre)**

[Effectiveness of ivermectin in Strongyloides westeri cases in foals] Köhler M, et al. **Angew Parasitol** 1986 Aug; 27(3):181–6 (Eng. Abstr.) **(Ger)**

[Treatment of sarcoptic mange in wild and domestic swine with ivermectin (Ivomec)] Kutzer E. **DTW** 1986 Oct 8; 93(9):426–9 (Eng. Abstr.) **(Ger)**

[Use of IVOMEC in swine with reference to economics] Koch W. **Schweiz Arch Tierheilkd** 1986 Nov;128(11):601–8 (Eng. Abstr.) **(Ger)**

[Oxyurid infestation of small laboratory animals and its control with ivermectin] Hasslinger MA, et al. **Tierarztl Prax** 1987;15(1):93–7 (Eng. Abstr.) **(Ger)**

[Experimental therapy in Chinese hamsters and rats infected with larval Echinococcus multilocularis by using mebendazole, albendazole and ivermectin with brief review of chemotherapy of human multilocular echinococcosis] Inaoka T, et al. **Hokkaido Igaku Zasshi** 1987 Jan; 62(1):54–67 (47 ref.) (Eng. Abstr.) **(Jpn)**

TOXICITY

Clinical observations in collies given ivermectin orally. Paul AJ, et al. **Am J Vet Res** 1987 Apr;48(4):684–5

Effect of ivermectin on the reproductive potential of breeding rams. Schröder J, et al. **J S Afr Vet Assoc** 1986 Dec; 57(4):211–3

J CHAINS see **IMMUNOGLOBULINS, J CHAIN**

JAAGSIEKTE see **PULMONARY ADENOMATOSIS, OVINE**

JACKSONIAN SEIZURE

CHEMICALLY INDUCED

[Partial motor epileptic seizures disclosing acute carbon monoxide poisoning (letter)] Remy P. **Presse Med** 1987 Jun 6;16(21):1055–6 **(Fre)**

JAKOB-CREUTZFELDT SYNDROME

COMPLICATIONS

Sleep abnormalities with REM disorder in experimental Creutzfeldt-Jakob disease in cats: a new pathological feature. Gourmelon P, et al. **Brain Res** 1987 May 19; 411(2):391–6

[Rapidly progressive presenile dementia and death (clinical conference)] Bille J, et al. **Schweiz Med Wochenschr** 1987 Jun 27;117(26):996–1001 **(Fre)**

DIAGNOSIS

Unusual EEG findings in a case of Creutzfeldt-Jakob disease. Malin JP, et al. **J Neurol** 1987 Jan;234(1):55–8

Rapid mental deterioration in a young man [clinical conference] Colebatch J, et al. **Med J Aust** 1986 Oct 20; 145(8):405–8

[Jakob-Creutzfeld disease—intra vitam diagnosis?] Pencz A, et al. **Dtsch Med Wochenschr** 1987 Aug 14;112(33):1257–60 (Eng. Abstr.) **(Ger)**

[Creutzfeldt-Jakob disease. Clinical aspects and diagnosis based on 2 cases] Holzner F, et al. **Wien Klin Wochenschr** 1987 Mar 20;99(6):184–9 (Eng. Abstr.) **(Ger)**

[Variability and specificity of EEG reports in Creutzfeldt-Jakob disease] Bravaccio F, et al. **Acta Neurol (Napoli)** 1986 Aug;8(4):375–81 (Eng. Abstr.) **(Ita)**

[Serial changes in periodic synchronous discharges (PSD) in Creutzfeldt-Jakob disease] Takizawa Y, et al. **Rinsho Byori** 1987 Apr;35(4):445–50 **(Jpn)**

[Differential diagnosis of subacute spongioform encephalopathy] Gogolák I, et al. **Bratisl Lek Listy** 1986 Aug;86(2):218–27 (Eng. Abstr.) **(Slo)**

ETIOLOGY

Pituitary growth hormone and Creutzfeldt-Jakob disease. Norrby E. **Acta Paediatr Scand [Suppl]** 1986;325:116–24

Prions causing degenerative neurological diseases. Prusiner SB. **Annu Rev Med** 1987;38:381–98 (95 ref.)

Prions are novel infectious pathogens causing scrapie and Creutzfeldt-Jakob disease. Prusiner SB. **Bioessays** 1986 Dec;5(6):281–6 (77 ref.)

Prion diseases and central nervous system degeneration. Prusiner SB. **Clin Res** 1987 Apr;35(3):177–91 (143 ref.)

Evidence suggesting that PrP is not the infectious agent in Creutzfeldt-Jakob disease. Manuelidis L, et al. **EMBO J** 1987 Feb;6(2):341–7

Epidemiologic implications of Creutzfeldt-Jakob disease in a 19 year-old girl. Brown P, et al. **Eur J Epidemiol** 1985 Mar;1(1):42–7

Human growth hormone treatment and Creutzfeldt-Jakob disease [letter] Sartorio A, et al. **J Endocrinol Invest** 1986 Oct;9(5):439

Transmissible virus dementia: evaluation of a zoonotic hypothesis. Davanipour Z, et al. **Neuroepidemiology** 1986; 5(4):194–206

[Slow-virus encephalitis in subjects treated with growth hormone extract: unexpected risks of substitute therapy] Butturini L. **G Clin Med** 1986 Feb;67(1):53 **(Ita)**

[The risk in using growth hormone obtained from human pituitary glands] Romer T. **Endokrynol Pol** 1986; 37(4):189–91 (8 ref.) **(Pol)**

[Transmissible spongiform encephalopathy. Natural diseases and experimental studies] Liberski PP. **Neuropatol Pol** 1986; 24(4):431–41 (Eng. Abstr.) **(Pol)**

[Is there a causative relation between infectious degenerative encephalopathy and the use of growth hormone?] Romer TE. **Pediatr Pol** 1986 Nov;51(11):740–4 **(Pol)**

FAMILIAL & GENETIC

Precautions in Creutzfeldt-Jakob disease [letter] Austin JH. **Ann Neurol** 1986 Dec;20(6):748

HLA study of Japanese patients with Creutzfeldt-Jakob disease: significant association with HLA-DQw3. Kuroda Y, et al. **Ann Neurol** 1986 Sep;20(3):356–9

Familial Creutzfeldt-Jakob disease in France: epidemiological implications. Baron H, et al. **Eur J Epidemiol** 1986 Dec;2(4):252–64

Astrocyte gene expression in Creutzfeldt-Jakob disease. Manuelidis L, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(16):5937–41

[An analysis of cases of familial Creutzfeldt-Jakob disease in Slovakia] Mitrová E, et al. **Bratisl Lek Listy** 1986 Aug; 86(2):202–10 (Eng. Abstr.) **(Slo)**

IMMUNOLOGY

The presence of complements in amyloid plaques of Creutzfeldt-Jakob disease and Gerstmann-Straussler-Scheinker disease. Ishii T, et al. **Appl Pathol** 1984;2(6):370–9

Lack of effect of thymus and spleen on the incubation period of Creutzfeldt-Jakob disease in mice. Mohri S, et al. **J Gen Virol** 1987 Apr;68 (Pt 4):1187–9

MICROBIOLOGY

Immunoblotting of Creutzfeldt-Jakob disease prion proteins: host species-specific epitopes. Bockman JM, et al. **Ann Neurol** 1987 Jun;21(6):589–95

Prions—infectious pathogens causing the spongiform encephalopathies. Prusiner SB, et al. **CRC Crit Rev Clin Neurobiol** 1985;1(3):181–200 (110 ref.)

Prion-protein immunoreactivity in human transmissible dementias [letter] Roberts GW, et al. **N Engl J Med** 1986 Nov 6;315(19):1231–3

Immortality of cell cultures derived from brains of mice and hamsters infected with Creutzfeldt–Jakob disease agent. **Manuelidis EE, et al. Proc Natl Acad Sci USA** 1987 Feb; 84(3):871–5

OCCURRENCE

The epidemiology of Creutzfeldt–Jakob disease: conclusion of a 15–year investigation in France and review of the world literature. Brown P, et al. **Neurology** 1987 Jun; 37(6):895–904

[Creutzfeldt–Jakob disease in Tenerife] González Hernández TH, et al. **Arch Neurobiol (Madr)** 1987 Mar–Apr; 50(2):101–5 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Dendritic and axonal spherules in the neocortex of a patient with Creutzfeldt–Jakob disease (CJD): Golgi and electron–microscopical investigation—neurobiological significance. Machado–Salas JP. **Clin Neuropathol** 1986 Jul–Aug;5(4):176–84

Status spongiosus in Creutzfeldt–Jakob disease. Miyakawa T, et al. **Clin Neuropathol** 1986 Jul–Aug;5(4):146–52

Unilateral Creutzfeldt–Jakob disease. Yamanouchi H, et al. **Neurology** 1986 Nov;36(11):1517–20

Intranuclear vacuoles in Creutzfeldt–Jakob disease. Cervos–Navarro J, et al. **Neuropathol Appl Neurobiol** 1986 Sep–Oct;12(5):477–82

Scrapie and its association with 'amyloid–like' fibrils and glycoproteins encoded by cellular genes: an animal model for human dementia. Goudsmit J, et al. **Prog Brain Res** 1986;70:391–8 (38 ref.)

[Creutzfeldt–Jakob disease—clinical and pathological study of 2 cases] Guo YP, et al.
Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao 1987 Apr; 9(2):152–4 (Eng. Abstr.) **(Chi)**

[Creutzfeldt–Jakob disease: report of a case] Kouyoumdjian JA, et al. **Arq Neuropsiquiatr** 1987 Mar;45(1):53–9 (Eng. Abstr.) **(Por)**

[Mental deterioration with sudden worsening and the development of myoclonus in a 72–year–old man (clinical conference)] **Rev Clin Esp** 1986 Jul;179(3):144–50 **(Spa)**

PHYSIOPATHOLOGY

Creutzfeldt–Jakob disease: clinical analysis of a consecutive series of 230 neuropathologically verified cases. Brown P, et al. **Ann Neurol** 1986 Nov;20(5):597–602

PREVENTION & CONTROL

Ophthalmological precautions in Creutzfeldt–Jakob disease [letter] Fross RD. **Ann Neurol** 1986 Dec;20(6):748

Decontamination of Creutzfeldt–Jakob disease agent [letter] Taylor DM. **Ann Neurol** 1986 Dec;20(6):749–50

RADIONUCLIDE IMAGING

Iodine–123 HIPDM brain imaging findings in subacute spongiform encephalopathy (Creutzfeldt–Jakob disease). Shih WJ, et al. **J Nucl Med** 1987 Sep;28(9):1484–7

TRANSMISSION

Is applanation tonometry a risk factor for transmission of Creutzfeldt–Jakob disease? [letter] Rizzo M, et al.
Arch Ophthalmol 1987 Mar;105(3):314

Creutzfeldt–Jakob disease with reference to the safety of pituitary growth hormone. Bannister BA, et al. **J Infect** 1987 Jan;14(1):7–12 (37 ref.)

Decontamination of formaldehyde–fixed tissues of Creutzfeldt–Jakob disease [letter] Taylor DM.
J Neuropathol Exp Neurol 1986 Nov;45(6):760–1

Jakob–Creutzfeldt disease associated with cadaveric dura [letter] **J Neurosurg** 1987 Jul;67(1):149–50

Leads from the MMWR. Update: Creutzfeldt–Jakob disease in a patient receiving a cadaveric dura mater graft.
JAMA 1987 Jul 17;258(3):309–10

Leads from the MMWR. Rapidly progressive dementia in a patient who received a cadaveric dura mater graft.
JAMA 1987 Feb 27;257(8):1036–7

Update: Creutzfeldt–Jakob disease in a patient receiving a cadaveric dura mater graft. **MMWR** 1987 Jun 5; 36(21):324–5

Rapidly progressive dementia in a patient who received a cadaveric dura mater graft. **MMWR** 1987 Feb 6; 36(4):49–50, 55

Transmission of Creutzfeldt–Jakob disease from formalin–fixed, paraffin–embedded human brain tissue [letter] Brown P, et al. **N Engl J Med** 1986 Dec 18; 315(25):1614–5

Iatrogenic Creutzfeldt–Jakob disease. Rappaport EB.
Neurology 1987 Sep;37(9):1520–2

Creutzfeldt–Jakob disease: implications for growth hormone deficient children. Preece MA.
Neuropathol Appl Neurobiol 1986 Sep–Oct;12(5):509–15

[Prions, Jakob–Creutzfeldt disease and human growth hormone] González PM.
Rev Hosp Clin Fac Med Sao Paulo 1986 Sep–Oct; 41(5):207–9 **(Por)**

JANSKY–BIELSCHOWSKY DISEASE see **NEURONAL CEROID–LIPOFUSCINOSIS**

JAPANESE AMERICANS see **ASIAN AMERICANS**

JAUNDICE

BLOOD

Investigations into negative interference by jaundiced plasma in kinetic Jaffé methods for plasma creatinine determination. Knapp ML, et al. **Ann Clin Biochem** 1987 Jan;24 (Pt 1):85–97

Measurement of operative plasma endotoxin levels in jaundiced and non–jaundiced patients. Pain JA, et al.
Eur Surg Res 1987;19(4):207–16

A study of Cu to Zn ratio in blood samples of liver patients using ENDXRF system. Rao BS, et al.
Indian J Med Sci 1986 Sep;40(9):225–30

A comparison of methods of removing inhibitors to the chromogenic Limulus assay in normal and jaundiced blood. Ingoldby CJ, et al. **Thromb Res** 1986 Oct 1;44(1):95–100

CHEMICALLY INDUCED

Pulmonary oedema, jaundice and renal impairment with naproxen [letter] Reeve PA, et al. **Br J Rheumatol** 1987 Feb;26(1):70–1

[Jaundice probably caused by josamycin (letter)] Furet Y, et al. **Arch Fr Pediatr** 1987 Feb;44(2):146 **(Fre)**

COMPLICATIONS

Polymicrobial sepsis and jaundice in a 46–year–old man [clinical conference] **Am J Med** 1986 Oct;81(4):649–54

Granulocytopenia, jaundice and hepatic coma with disseminated tuberculosis. Sarma PS, et al.
J Assoc Physicians India 1986 Aug;34(8):591–3

[Tuberculosis and jaundice. Study of 103 cases] Pilheu JA, et al. **Medicina (B Aires)** 1987;47(1):13–9 (Eng. Abstr.) **(Spa)**

CONGENITAL

Genetic deficiency of bilirubin glucuronidation in rats and humans. Burchell B, et al. **Mol Aspects Med** 1987; 9(5):429–55 (67 ref.)

DIAGNOSIS

An algorithm for differential diagnosis in jaundice and its applications. Malchow–Møller A.
Ann Med Interne (Paris) 1986;137(3):274–8

Diagnosis in jaundice: a contemporary approach. Matzen P.
Dig Dis 1986;4(4):220–30 (60 ref.)

Experiences with compiling a diagnostic data base on jaundice presenting to a general hospital. O'Beirn SF, et al. **Ir J Med Sci** 1987 Mar;156(3):93–7

Computer diagnosis in jaundice. Bayes' rule founded on 1002 consecutive cases. Malchow–Møller A, et al. **J Hepatol** 1986;3(2):154–63

Differential diagnosis of jaundice: applicability of the Copenhagen Pocket Chart proved in Stockholm patients. Lindberg G, et al. **Liver** 1987 Feb;7(1):43–9

Computer aided diagnosis of jaundice. A comparison of two data bases. Lindberg G, et al.
Scand J Gastroenterol [Suppl] 1987;128:180–9

Algorithmic diagnosis of jaundice. Malchow–Møller A, et al. **Scand J Gastroenterol [Suppl]** 1987;128:162–8

Transferability of a probabilistic algorithm in differential diagnosis of jaundice. Thomsen C, et al.
Scand J Gastroenterol [Suppl] 1987;128:170–2

Sonographic evaluation of jaundice in Benin–City, Nigeria. A preliminary report. Iko BO, et al. **Trop Geogr Med** 1987 Jan;39(1):43–8

[Determination of serum adenosine deaminase: its diagnostic value in jaundice and liver fibrosis] Wang JL, et al.
Chung Hua Nei Ko Tsa Chih 1986 Feb;25(2):79–81, 126 (Eng. Abstr.) **(Chi)**

[Intermittent icterus as the only symptom in beta–thalassemia minor] Friis H, et al. **Ugeskr Laeger** 1987 Apr 20; 149(17):1142 (Eng. Abstr.) **(Dan)**

[An algorithm for the differential diagnosis of icterus] Malchow–Møller A, et al. **Ugeskr Laeger** 1986 Nov 17; 148(47):3136–41 (Eng. Abstr.) **(Dan)**

[Differential diagnosis of jaundice in cancer patients] Bondarev LS, et al. **Sov Med** 1986;(8):97–9 **(Rus)**

[Method for diagnosing jaundice] Korotkiĭ VN, et al.
Vrach Delo 1986 Oct;(10):75–7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Effect of geniposide on acute jaundice in rats caused by ANIT poisoning] Cheng YY, et al.
Chung Kuo Yao Li Hsueh Pao 1986 Jan;7(1):69–72 (Eng. Abstr.) **(Chi)**

ENZYMOLOGY

Increase in a specific cytochrome P–450 isoenzyme in the liver of congenitally jaundiced Gunn rats. Kapitulnik J, et al. **Biochem J** 1987 Feb 15;242(1):297–300

Different behaviors among lysosomal enzymes in the cerebellum of jaundiced Gunn rats with cerebellar hypoplasia. Sato H, et al. **J Neurochem** 1987 Jun; 48(6):1823–5

ETIOLOGY

Mucobilia: an unusual cause of jaundice. Hadjis NS, et al.
Br J Surg 1987 Jan;74(1):48–9

A hospital employee with fluctuating jaundice. Villanueva SY. **Hosp Pract [Off]** 1986 Oct 30;21(10A):74, 77, 80

Differential diagnosis of jaundice. Zimmerman HJ, et al.
Hosp Pract [Off] 1987 May 15;22(5):99–103, 107–14, 119–22

Disseminated gonococcaemia with arthritis, tenosynovitis and moderately severe jaundice. Bhat A, et al.
J Assoc Physicians India 1986 Jul;34(7):519–20

Prevalence of different types of viral hepatitis in patients with jaundice. Mittal V, et al. **J Commun Dis** 1986 Jun; 18(2):142–3

Computer–aided diagnosis in jaundice and liver disease. McIntyre N. **J Hepatol** 1986;3(2):269–72

New clinical findings in breast milk jaundice [letter] Amato M, et al. **J Pediatr** 1987 Feb;110(2):329–30

Gastrostomy–tube jaundice [letter] Gross RA, et al.
N Engl J Med 1987 Jan 1;316(1):51–2

Causes of jaundice during hepatic artery infusion chemotherapy. Anderson SD, et al. **Radiology** 1986 Nov; 161(2):439–42

Fluctuating jaundice and intestinal bleeding in a 6–year–old girl with fascioliasis. Bannerman C, et al.
Trop Geogr Med 1986 Dec;38(4):429–31

[Hemorrhagic fever with renal syndrome: a case with jaundice (letter)] Ragnaud JM, et al.
Gastroenterol Clin Biol 1986 Oct;10(10):686 **(Fre)**

[Severe jaundice in Legionnaires' disease: a case with early hepatic biopsy] Verneau A, et al.
Gastroenterol Clin Biol 1987 Mar;11(3):254–7 (Eng. Abstr.) **(Fre)**

[Jaundice during acute cholecystitis: diagnostic and prognostic consequences] Bardi K, et al. **Tunis Med** 1986 Mar;64(3):233–6 (Eng. Abstr.) **(Fre)**

[Cough, fever and jaundice] Walger P, et al.
Schweiz Rundsch Med Prax 1987 Feb 3;76(6):141–4 (Eng. Abstr.) **(Ger)**

[Differential diagnosis of jaundice by combined noninvasive diagnostic means using a logistic discriminant analysis] Elfner R, et al. **Z Gastroenterol** 1986 Dec;24(12):745–52 (Eng. Abstr.) **(Ger)**

[Etiology of jaundice associated with small pancreatic neoplasms] Saisho H, et al. **Nippon Rinsho** 1986 Aug; 44(8):1735–9 **(Jpn)**

[Severe jaundice and hemophagocytic histiocytosis after autologous bone marrow transplantation in a patient with malignant lymphoma] Takagi S, et al. **Rinsho Ketsueki** 1987 Mar;28(3):446–50 (Eng. Abstr.) **(Jpn)**

[Jaundice of 1–month's development and cerebrovascular accident in a 66–year–old male (clinical conference)]
Rev Clin Esp 1987 Feb;180(2):104–11 **(Spa)**

PHYSIOPATHOLOGY

High frequency hearing in jaundiced rats. Lenhardt ML, et al. **J Aud Res** 1986 Jan;26(1):19–25

Preyer reflex in jaundiced rats: central auditory effects. Lenhardt ML. **J Aud Res** 1985 Jul;25(3):161–6

[Neuromuscular effect of atracurium on normal and jaundiced patients] Chen WS, et al.
Ma Tsui Hsueh Tsa Chi 1986 Mar;24(1):35–8 (Eng. Abstr.) **(Chi)**

[Clinical aspects of chronic pancreatitis in adults] Dobrilla G. **Minerva Med** 1977 Jun 16;68(30):2087–92 **(Ita)**

RADIOGRAPHY

[A further study on the nature of jaundice using ERCP] Jia YC. **Chung Hua Fang She Hsueh Tsa Chih** 1987 Feb; 21(1):34–6 (Eng. Abstr.) **(Chi)**

THERAPY

Investigation of bilirubin removal by NK–110 resin hemoperfusion in jaundiced dogs. Ji–Chang S, et al.
Int J Artif Organs 1986 Sep;9(5):327–30

Application of endoscopic papillotomy to carcinoma of the duodenal papilla: as jaundice–reducing treatment and as pre–treatment of laser irradiation. Katsuda H, et al.
Nippon Geka Hokan 1986 May 1;55(3):467–72

VETERINARY

Transfer of the heritable nonhemolytic jaundice trait from the Gunn rat to the Sprague–Dawley rat. Davis DR, et al. **Lab Anim Sci** 1987 Apr;37(2):172–5

JAUNDICE, CHOLESTATIC see **CHOLESTASIS**

JAUNDICE, CHOLESTATIC, EXTRAHEPATIC see **BILE DUCT OBSTRUCTION, EXTRAHEPATIC**

JAUNDICE, CHOLESTATIC, INTRAHEPATIC see **CHOLESTASIS, INTRAHEPATIC**

JAUNDICE, CHRONIC IDIOPATHIC

DIAGNOSIS

Congenital intrahepatic cholestasis with pigment deposits and abnormal bile acid metabolism. A variant of Dubin–Johnson's syndrome? Bremmelgaard A, et al.
Liver 1987 Feb;7(1):31–7

[Laparoscopy and biopsy studies in Dubin–Johnson syndrome] Brailski J, et al. **Rev Esp Enferm Apar Dig** 1987 Mar;71(3):235–41 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

[Rotor's syndrome. Apropos of a new familial case] Sarles J, et al. **Ann Pediatr (Paris)** 1987 Jun;34(6):439–42 (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Case of Dubin–Johnson syndrome] Triandaf I, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan–Mar;90(1):165–6 **(Rum)**

JAUNDICE, HEMOLYTIC see **ANEMIA, HEMOLYTIC**

JAUNDICE, NEONATAL

Cholestatic neonatal jaundice [letter] Ozsoylu S, et al. **Eur J Pediatr** 1986 Aug;145(3):242

Neonatal cholestasis. **Semin Liver Dis** 1987 May;7(2):61–167

BLOOD

Conjugating ability of bile acids in hepatic failure. Arisaka M, et al. **Acta Paediatr Scand** 1986 Sep;75(5):875–8

Serum vitamin E status in infants with neonatal hyperbilirubinemia. [letter] Sheriff DS, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1142–3

Unconjugated hyperbilirubinaemia in hypertrophic pyloric stenosis, an enigma. Etzioni A, et al. **Z Kinderchir** 1986 Oct;41(5):272–4

[Cord blood alpha–fetoprotein, gamma–glutamyl transpeptidase and neonatal jaundice] Huang CS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Apr;86(4):433–7 (Eng. Abstr.) **(Chi)**

[Effect of exchange transfusion on blood lead levels in newborn infants] Adamovich K. **Kinderarztl Prax** 1987 Apr;55(4):197–200 (Eng. Abstr.) **(Ger)**

[Decreased levels of thyrotropin (TSH) and thyroid hormones in the serum of newborn infants with hyperbilirubinemia] Andrzejewski A, et al. **Endokrynol Pol** 1986;37(3):99–109 (Eng. Abstr.) **(Pol)**

CEREBROSPINAL FLUID

Blood brain barrier in neonatal jaundice. Misra PK, et al. **Indian Pediatr** 1985 Aug;22(8):575–7

CHEMICALLY INDUCED

Aggregation of bilirubin in injectates and incubation media: its significance in experimental studies of CNS toxicity. Brodersen R, et al. **Neuropediatrics** 1987 Feb;18(1):34–6

[Effect of iron preparations on the development of hyperbilirubinemia in newborn infants] Grzechocińska B, et al. **Ginekol Pol** 1986 Sep;57(9):596–9 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Unusual case of green teeth resulting from neonatal hyperbilirubinemia. Herbert FL, et al. **ASDC J Dent Child** 1987 Jan–Feb;54(1):54–6

The effect of neonatal hyperbilirubinemia on the auditory brainstem response. Kuriyama M, et al. **Brain Dev** 1986; 8(3):240–5

Pigmented corneal rings in neonates with liver disease. Dunn LL, et al. **J Pediatr** 1987 May;110(5):771–6

Screening of jaundiced neonates for glucose–6–phosphate dehydrogenase deficiency. Leung AK. **South Med J** 1987 Feb;80(2):217–8

DIAGNOSIS

Umbilical cord bilirubin levels as a predictor of subsequent hyperbilirubinemia. Rosenfeld J. **J Fam Pract** 1986 Dec; 23(6):556–8

Sonographic evaluation of neonatal jaundice. Udompanich O, et al. **J Med Assoc Thai** 1986 Oct;69 Suppl 2:121–3

[Transcutaneous determination of bilirubin in the neonatal department: an analysis of its uses] Schubiger G, et al. **Helv Paediatr Acta** 1986 Aug;41(3):183–6 (Eng. Abstr.) **(Ger)**

[Arteriohepatic dysplasia (Alagille syndrome) with transitory pancreatic insufficiency] Richter T, et al. **Kinderarztl Prax** 1987 May;55(5):253–7 (Eng. Abstr.) **(Ger)**

[Transferrin/alpha–fetoprotein ratio as a predictive index in hyperbilirubinemia] Montagna O, et al. **Minerva Pediatr** 1987 May 15;39(9):361–3 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

Kallikrein and kininase activities excretion in newborns affected by jaundice. Mazzetti M, et al. **Adv Exp Med Biol** 1986;198 Pt B:471–5

Neonatal jaundice and glucose–6–phosphate dehydrogenase deficiency in Basrah. Al–Naama LM, et al. **Ann Trop Paediatr** 1987 Jun;7(2):134–8

ETHNOLOGY

Neonatal jaundice: its prevalence in Chinese babies and associating factors. Fok TF, et al. **Aust Paediatr J** 1986 Aug;22(3):215–9

ETIOLOGY

Evidence for amino acid induced cholestasis in very–low–birth–weight infants with increasing enteral protein intake. Senger H, et al. **Acta Paediatr Scand** 1986 Sep;75(5):724–8

Breast milk jaundice in premature infants. Lucas A, et al. **Arch Dis Child** 1986 Nov;61(11):1063–7

Breastfeeding and human milk: their association with jaundice in the neonate. Auerbach KG, et al. **Clin Perinatol** 1987 Mar;14(1):89–107 (77 ref.)

Oxytocin induction of labour: hyponatraemia and neonatal jaundice. D'Souza SW, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Sep;22(5–6):309–17

Hyperbilirubinemia due to massive cephalhematoma. Bansal A, et al. **Indian Pediatr** 1985 Aug;22(8):619–21

Congenital Wilms' tumor associated with consumption coagulopathy and hyperbilirubinemia. Procianoy RS, et al. **J Pediatr Surg** 1986 Nov;21(11):993–4

Vitamin E deficiency in the pathogenesis of haemolysis and hyperbilirubinaemia of neonatal jaundice. Ojo CO, et al. **J Trop Pediatr** 1986 Oct;32(5):251–4

Breast–feeding and jaundice [letter] Fleiss PM, et al. **Pediatrics** 1987 Aug;80(2):306–7

Systemic disorders associated with neonatal cholestasis. Felber S, et al. **Semin Liver Dis** 1987 May;7(2):108–18 (97 ref.)

Reovirus type 3 and neonatal cholestasis. Glaser JH, et al. **Semin Liver Dis** 1987 May;7(2):100–7

Role of G6PD, ABO incompatibility, low birth weight and infection in neonatal hyperbilirubinaemia. Madan N, et al. **Trop Geogr Med** 1987 Apr;39(2):163–8

[Persistent hyperbilirubinemia after intrauterine intraperitoneal transfusions in 4 newborn infants. Role of intraperitoneal red cells present at birth] Pochard J, et al. **Presse Med** 1987 May 2;16(16):756–8 (Eng. Abstr.) **(Fre)**

[Analysis of intrapartum causes of neonatal hyperbilirubinemia] Debski R. **Pol Tyg Lek** 1986 Aug 4; 41(31):972–5 (Eng. Abstr.) **(Pol)**

[The course of pregnancy and labor in mothers of newborn infants with neonatal jaundice] Prawecka M, et al. **Pol Tyg Lek** 1987 Mar 2;42(9):250–3 (Eng. Abstr.) **(Pol)**

[Neonatal hyperbilirubinemia and glucose–6–phosphate dehydrogenase deficiency] Nacheva M, et al. **Pediatriia** 1986 Jul;(7):25–7 **(Rus)**

FAMILIAL & GENETIC

Risk factors and sib correlation in physiological neonatal jaundice. Nielsen HE, et al. **Acta Paediatr Scand** 1987 May; 76(3):504–11

[Neonatal cholestatic jaundice associated with alpha–1–antitrypsin deficiency] Di Pietro P, et al. **Pathologica** 1985 Nov–Dec;77(1052):699–703 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Serum IgE in newborns undergoing exchange transfusion. La Rosa M, et al. **Ann Allergy** 1986 Oct;57(4):259–62

[Development of immunity in children with neonatal hyperbilirubinemia. II. Effect of neonatal hyperbilirubinemia on selected parameters of immunity] Lochman I, et al. **Cesk Pediatr** 1987 Feb;42(2):93–6 (Eng. Abstr.) **(Cze)**

[The development of immunity in children with neonatal hyperbilirubinemia. I. The effect of neonatal hyperbilirubinemia on morbidity in children] Wieczorková D, et al. **Cesk Pediatr** 1987 Jan;42(1):57–8 **(Cze)**

[Effect of hyperbilirubinemia on serum immunoglobulin levels in newborn infants with septicemia] Godula–Stuglik U. **Pediatr Pol** 1987 Jan;62(1):32–6 (Eng. Abstr.) **(Pol)**

METABOLISM

Metabolism of bilirubin and its photoisomers in newborn infants during phototherapy. Onishi S, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):789–95

Rapid clearance of a structural isomer of bilirubin during phototherapy. Ennever JF, et al. **J Clin Invest** 1987 Jun; 79(6):1674–8

OCCURRENCE

Vacuum extraction versus forceps delivery: indications and complications, 1979 to 1984. Broekhuizen FF, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):338–42

[The incidence of pathological neonatal icterus] Massa GG, et al. **Tijdschr Kindergeneeskd** 1987 Feb;55(1):15–24 (Eng. Abstr.) **(Dut)**

PSYCHOLOGY

Jaundice and behavioral organization in the full–term neonate. Escher–Gräub DC, et al. **Helv Paediatr Acta** 1986 Dec;41(5):425–35

RADIOGRAPHY

Is endoscopic cholangiopancreatography needed for the jaundiced infant? Ament M. **Gastrointest Endosc** 1987 Feb; 33(1):49–51

Endoscopic cholangiopancreatography in the infant: evaluation of a new prototype pediatric duodenoscope. Guelrud M, et al. **Gastrointest Endosc** 1987 Feb;33(1):4–8

RADIONUCLIDE IMAGING

Comparative imaging. Bile–plug syndrome. Sty JR, et al. **Clin Nucl Med** 1987 Jun;12(6):489–90

Septo–optic dysplasia: recognition of causes of false–positive hepatobiliary scintigraphy in neonatal jaundice. Kumura D, et al. **J Nucl Med** 1987 Jun;28(6):966–72

Diagnostic utility of hepatobiliary scintigraphy with 99mTc–DISIDA in neonatal cholestasis. Spivak W, et al. **J Pediatr** 1987 Jun;110(6):855–61

SURGERY

Neonatal cholestatic conditions requiring surgical reconstruction. Ryckman FC, et al. **Semin Liver Dis** 1987 May;7(2):134–54 (132 ref.)

THERAPY

Hospital routines in infants with hyperbilirubinemia influence the duration of breast feeding. Elander G, et al. **Acta Paediatr Scand** 1986 Sep;75(5):708–12

Bilirubin removal from a jaundiced premature infant by resin hemoperfusion. Brandes JM, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):68–70

Efficacy of phototherapy in non–haemolytic hyperbilirubinaemia. Tan KL, et al. **Br Med J [Clin Res]** 1986 Nov 22;293(6558):1361–3

Phototherapy for healthy term infants [letter] Dixon AS. **Can Med Assoc J** 1986 Sep 15;135(6):588

Activated charcoal as an adjunct to phototherapy for neonatal jaundice. Davis DR, et al. **Dev Pharmacol Ther** 1987;10(1):12–20

Interruption of breast–feeding versus phototherapy as treatment of hyperbilirubinemia in full–term infants. Amato M, et al. **Helv Paediatr Acta** 1985 Jul;40(2–3):127–31

The management of neonatal hyperbilirubinemia—Part I. Cashore WJ, et al. **Indian J Pediatr** 1986 Sep–Oct; 53(5):587–98

Current concepts in phototherapy. Ennever JF, et al. **Indian J Pediatr** 1986 Sep–Oct;53(5):599–605

Infant feeding and early neonatal jaundice. Narayanan I, et al. **Indian J Pediatr** 1987 Mar–Apr;54(2):257–60

Green light phototherapy [letter] Modi N. **J Pediatr** 1986 Nov;109(5):909–10

Neonatal jaundice: current concepts. Bolam DL, et al. **Nebr Med J** 1987 Jan;72(1):16–7

Phototherapy in the management of neonatal hyperbilirubinemia: efficacy with light sources emitting more than 500 nanometers. Sbrana G, et al. **Pediatrics** 1987 Sep;80(3):395–8

Analytical model of phototherapy for neonatal jaundice—I. The initial Z–E transient. Pratesi R, et al. **Photochem Photobiol** 1986 Nov;44(5):613–21

Neonatal cholestasis: lessons from the past, issues for the future. Balistreri WF. **Semin Liver Dis** 1987 May;7(2):61–6

Medical management of the infant or child with chronic liver disease. Sokol RJ. **Semin Liver Dis** 1987 May;7(2):155–67 (145 ref.)

[Mutagenicity of blue light. III. Effect of phototherapy on the rate of chromosome mutations in newborn infants] Schroeter C. **Padiatr Grenzgeb** 1986;25(4):311–5 (Eng. Abstr.) **(Ger)**

[Phototherapy in neonatal hyperbilirubinemia] Bratlid D. **Tidsskr Nor Laegeforen** 1986 Aug 20;106(23):1830–3 (Eng. Abstr.) **(Nor)**

[Light as therapy. Mechanism of action in phototherapy of hyperbilirubinemia in the neonatal period] Bratlid D, et al. **Tidsskr Nor Laegeforen** 1986 Aug 20;106(23):1823–6 (Eng. Abstr.) **(Nor)**

[Exchange transfusion in neonatal hyperbilirubinemia: complications and mortality] Vargas–Origel A, et al. **Bol Med Hosp Infant Mex** 1986 Nov;43(11):674–9 (Eng. Abstr.) **(Spa)**

URINE

Detection of photobilirubin in urine of jaundiced infants supporting the diagnosis of 'bronze baby syndrome'. Meisel P, et al. **Clin Chim Acta** 1987 Jun 30;166(1):61–5

JAUNDICE, OBSTRUCTIVE see **CHOLESTASIS**

JAUNDICE, OBSTRUCTIVE, EXTRAHEPATIC see **BILE DUCT OBSTRUCTION, EXTRAHEPATIC**

JAUNDICE, OBSTRUCTIVE, INTRAHEPATIC see **CHOLESTASIS, INTRAHEPATIC**

JAUNDICE, SPIROCHETAL see **WEIL'S DISEASE**

JAW

see related
DENTAL ARCH
TEMPOROMANDIBULAR JOINT

Pterygoid–levator synkinesis. The Marcus Gunn jaw–winking phenomenon. Eve FR. **J Clin Neuro Ophthalmol** 1987 Mar;7(1):61–2

The use of the hot glue gun for orthognathic model surgery. Cheng KK, et al. **J Oral Maxillofac Surg** 1987 Apr; 45(4):372

Hematopoiesis: another possible cause of jaw pain. Glass RT. **J Oral Med** 1986 Jul–Sep;41(3):189–92

Unexpected weight regain following successful jaw wiring. Farquhar DL, et al. **Scott Med J** 1986 Jul;31(3):180

ANALYSIS

A bone resorptive agent extracted from orthodontically-treated tissues of the rat. King GJ, et al. **Angle Orthod** 1986 Oct;56(4):299-308

ANATOMY & HISTOLOGY

Endosseous implants: the host-implant surface. Hobkirk JA. **Ann Acad Med Singapore** 1986 Jul;15(3):403-8 (96 ref.)

Occlusal changes during and after Herbst treatment: a cephalometric investigation. Pancherz H, et al. **Eur J Orthod** 1986 Nov;8(4):215-28

Efficiency as a predictor of human jaw design in the sagittal plane. Baragar FA, et al. **J Biomech** 1987;20(5):447-57

[Dento-skeletal study in J. Delaire's architectural and structural analysis. A complement adapted to orthodontic practice] Salagnac JM. **Rev Stomatol Chir Maxillofac** 1987; 88(1):48-55 (Eng. Abstr.) **(Fre)**

[The angular process of Monodelphis domestica (Didelphidae, Marsupialia) and its relation to the middle ear: an ontogenetic and evolutionary morphologic study] Maier W. **Gegenbaurs Morphol Jahrb** 1987;133(1):123-61 (Eng. Abstr.) **(Ger)**

INJURIES

The bimaxillary mouthguard: a preliminary report of use in contact sports. Chapman PJ. **Aust Dent J** 1986 Jun; 31(3):200-6

INNERVATION

Effects of thalamic sensory relay nucleus stimulation on the jaw-opening reflex in response to tooth-pulp stimulation in the cat. Tsubokawa T, et al. **Appl Neurophysiol** 1986; 49(4):229-36

Distribution of motoneurons involved in the prey-catching behavior in the Japanese toad, Bufo japonicus. Takei K, et al. **Brain Res** 1987 May 5;410(2):395-400

PHYSIOLOGY

Relationship between the mandibular condyle and the occlusal plane during hominid evolution: some of its effects on jaw mechanics. Osborn JW. **Am J Phys Anthropol** 1987 Jun;73(2):193-207

A comparative electromyographic and kinesiographic study of deliberate and habitual mastication in man. Stohler CS. **Arch Oral Biol** 1986;31(10):669-78

Suppression of the jaw-opening reflex by periaqueductal gray stimulation is decreased by paramedian brainstem lesions. Chung RY, et al. **Brain Res** 1987 Feb 10;403(1):172-6

An electromyographic analysis of jaw movements in man. Gay T, et al. **Electromyogr Clin Neurophysiol** 1986 Aug-Sep;26(5-6):365-84

Variant and invariant characteristics of speech movements. Gracco VL, et al. **Exp Brain Res** 1986;65(1):156-66

Articulatory movement characteristics of labial consonant productions by children and adults. Smith BL, et al. **J Acoust Soc Am** 1986 Nov;80(5):1321-8

Microcomputer methods for measuring the silent period of the masseter electromyogram after the jaw jerk reflex. Barker GR, et al. **J Dent** 1986 Apr;14(2):57-61

Brain-stem perturbations during cortically evoked rhythmical jaw movements: effects of activation of brain-stem loci on jaw muscle cycle characteristics. Chandler SH, et al. **J Neurosci** 1987 Feb;7(2):463-72

Movements of the upper and lower lips during speech: interactions between lips with the jaw fixed at different positions. Folkins JW, et al. **J Speech Hear Res** 1986 Sep; 29(3):348-56

Reflex responses in human jaw, lip, and tongue muscles elicited by mechanical stimulation. Weber CM, et al. **J Speech Hear Res** 1987 Mar;30(1):70-9

Alpha adrenoceptor modulation of the jaw-opening reflex. Curtis AL, et al. **Neuropharmacology** 1987 Jul; 26(7A):649-55

Suprahyoid biomechanics and head posture. An electromyographic, videofluorographic and dynamographic study of hyo-mandibular function in man. Winnberg A. **Swed Dent J [Suppl]** 1987;46:1-173

RADIOGRAPHY

Autosomal dominant type of endosteal hyperostosis with unusual manifestations of sclerosis of the jaw bones. Nakamura T, et al. **Skeletal Radiol** 1987;16(1):48-51

SURGERY

Applications of trigeminal somatosensory evoked potentials (TSEPs) in oral and maxillofacial surgery. Barker GR, et al. **Br J Oral Maxillofac Surg** 1987 Aug;25(4):308-13

Use of a pneumatic osteotome to simplify orthognathic surgery. Ellis E 3d, et al. **Int J Oral Maxillofac Surg** 1987 Apr;16(2):245-7

Reliability and feasibility of prediction tracing in orthognathic surgery. Pospisil OA. **J Craniomaxillofac Surg** 1987 Apr;15(2):79-83

Implantable prostheses and reconstructive materials in oral and maxillofacial surgery. Williams DF. **J Dent** 1986 Oct; 14(5):185-201 (95 ref.)

A removable orthognathic surgical splint. Block MS, et al. **J Oral Maxillofac Surg** 1987 Feb;45(2):195

Accuracy of cephalometric prediction in orthognathic surgery. Friede H, et al. **J Oral Maxillofac Surg** 1987 Sep; 45(9):754-60

Fiberoptic endotracheal intubation in oral and maxillofacial surgery. Stella JP, et al. **J Oral Maxillofac Surg** 1986 Nov; 44(11):923-5

An orthognathic surgical record form. Wood RS, et al. **J Oral Maxillofac Surg** 1987 Aug;45(8):739-41

[Maxillary surgery in cleft palate reconstruction. Surgical reconstruction of teeth, mouth and jaws in cleft lip and cleft palate] Hillerup S, et al. **Ugeskr Laeger** 1987 Jun 1; 149(23):1521-5 (Eng. Abstr.) **(Dan)**

[Motivation and the orthodontic-surgical management of patients] Göz G, et al. **Fortschr Kieferorthop** 1986 Aug; 47(4):295-303 (Eng. Abstr.) **(Ger)**

[Edema prevention with aprotinin in elective interventions in the area of the jaw and face (preliminary results)] Dumbach J. **Laryngol Rhinol Otol (Stuttg)** 1986 Oct; 65(10):545-8 (Eng. Abstr.) **(Ger)**

[Problems of temperature elevation during the treatment of bone with rotating instruments—a review of the literature] Grunder U, et al. **Schweiz Monatsschr Zahnmed** 1986 Aug; 96(8):956-69 (104 ref.) (Eng. Abstr.) **(Ger)**

[Use of bio-vitroceramic for alloplastic bone replacement in the maxillofacial area. 2. The initial clinical results] Thieme V, et al. **Zahn Mund Kieferheilkd** 1986;74(6):600-8 (Eng. Abstr.) **(Ger)**

[Efficacy of betamethasone in the prevention of edema in maxillofacial surgery. Preliminary clinical study] Nocini PF, et al. **Minerva Stomatol** 1987 Jan-Feb;36(1-2):105-7 (Eng. Abstr.) **(Ita)**

ULTRASTRUCTURE

Bone-metal interface in osseointegration. Albrektsson T, et al. **J Prosthet Dent** 1987 May;57(5):597-607 (51 ref.)

JAW ABNORMALITIES

DIAGNOSIS

Long face: new proposals for taxonomy, diagnosis, treatment. Merville LC, et al. **J Craniomaxillofac Surg** 1987 Apr; 15(2):84-93

[Oromandibular and limb malformation syndromes. Reflections on hypoglossia-hypodactyly] Boutsen M, et al. **Rev Stomatol Chir Maxillofac** 1987;88(3):168-78 (Eng. Abstr.) **(Fre)**

[Experience in the work of a medical genetics counseling service using dental profiles] Lil'in ET, et al. **Stomatologiia (Mosk)** 1987 May-Jun;66(3):72-3 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Popliteal pterygium syndrome. Steinberg B, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jan;63(1):17-20

PATHOLOGY

[Dimensions of the dentition and facial skeleton of adults with maxillodental deformities due to congenital nonunion in the maxillofacial area] Granchuk GN. **Stomatologiia (Mosk)** 1987 Mar-Apr;66(2):63-6 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Radiology in oral surgery—Part 2. Poswillo DE. **Radiography** 1986 Nov-Dec;52(606):303-8

REHABILITATION

[Possibilities and limitations for the correction of bony, dental and mucosal tissue loss in children using a maxillofacial prosthesis] Giffard M, et al. **Rev Stomatol Chir Maxillofac** 1986;87(3).157-61 (Eng. Abstr.) **(Fre)**

SURGERY

Surgical treatment of the jaw deformities in hemifacial microsomia. Ousterhout DK, et al. **Aust NZ J Surg** 1987 Feb;57(2):77-87

[Surgical treatment of post-cleft deformities of the jaw in adults] Kozák J, et al. **Rozhl Chir** 1986 Oct;65(10):663-9 (Eng. Abstr.) **(Cze)**

JAW CYSTS

PATHOLOGY

Co-existent aneurysmal bone cysts with ameloblastomas: a histological survey. Nadimi H, et al. **J Oral Med** 1986 Oct-Dec;41(4):242-3, 273

Clinicopathologic study of the postoperative maxillary cyst. Yamamoto H, et al. **Oral Surg Oral Med Oral Pathol** 1986 Nov;62(5):544-8

JAW DISEASES

COMPLICATIONS

Dental and bone abnormalities in patients with familial polyposis coli. Carl W, et al. **Semin Surg Oncol** 1987; 3(2):77-83

[Means of decreasing complications in patients with severe inflammatory diseases of the maxillofacial area] Zakharova GN, et al. **Stomatologiia (Mosk)** 1987 May-Jun;66(3):37-9 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Computer-aided diagnosis of odontogenic lesions. Wiener F, et al. **Int J Oral Maxillofac Surg** 1986 Oct;15(5):592-6

[Histiocytosis X of the jaws. Apropos 5 cases] Le Bescond Y, et al. **Rev Stomatol Chir Maxillofac** 1987;88(3):179-84 (Eng. Abstr.) **(Fre)**

[Imaging examination procedures in oromaxillofacial surgery. Frontobasal injuries—diagnosis and treatment] **Fortschr Kiefer Gesichtschir** 1987;32:1-241 **(Ger)**

[The dental and oral picture in a rare case of Morquio's syndrome] Luglié PF, et al. **Minerva Stomatol** 1986 Sep; 35(9):803-7 (Eng. Abstr.) **(Ita)**

[Phlegmons of the maxillofacial area in children] Baron VE. **Stomatologiia (Mosk)** 1986 Nov-Dec;65(6):43 (Eng. Abstr.) **(Rus)**

[Acute odontogenic osteomyelitis of the jaw bones in children in the North] Evstifeev ED, et al. **Stomatologiia (Mosk)** 1986 Nov-Dec;65(6):45-6 (Eng. Abstr.) **(Rus)**

[Alkaline phosphatase isoenzymes of patients with suppurative-inflammatory diseases of the maxillofacial region] Kulikova VS, et al. **Stomatologiia (Mosk)** 1987 Jan-Feb;66(1):40-1 (Eng. Abstr.) **(Rus)**

[Hematogenous osteomyelitis of the jaws in young children] Kungurtseva TG. **Stomatologiia (Mosk)** 1986 Nov-Dec; 65(6):44-5 (Eng. Abstr.) **(Rus)**

[Acute nonspecific lymphadenitis of the maxillofacial area in children] Simanovskaia ElIu, et al. **Stomatologiia (Mosk)** 1986 Nov-Dec;65(6):33-5 (Eng. Abstr.) **(Rus)**

[Crystallographic method of studying the saliva in inflammatory odontogenic jaw diseases] Timofeev AA. **Stomatologiia (Mosk)** 1987 May-Jun;66(3):15-7 (Eng. Abstr.) **(Rus)**

[Clinical picture and surgical procedure in Bacteroides infections of the maxillofacial area] Zakharov IuS. **Stomatologiia (Mosk)** 1987 May-Jun;66(3):43-5 (Eng. Abstr.) **(Rus)**

ETHNOLOGY

Odontogenic keratocyst: a study of 53 cases in Malaysia. Siar CH, et al. **Ann Dent** 1986 Winter;45(2):15-8

ETIOLOGY

[Pathogenesis and treatment of complicated forms of suppurative processes in the maxillofacial region] Shinbirev NA, et al. **Stomatologiia (Mosk)** 1987 Jan-Feb;66(1):44-6 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunoglobulin-producing cells in human odontogenic cysts. Smith G, et al. **J Oral Pathol** 1987 Jan;16(1):45-8

METABOLISM

Recognition of protein apparently specific to odontogenic keratocyst fluids. Douglas CW, et al. **J Clin Pathol** 1986 Oct;39(10):1108-15

MICROBIOLOGY

[Characteristics of the causative agents of various inflammatory processes in the maxillofacial area] Dmitrieva NA, et al. **Stomatologiia (Mosk)** 1987 Mar-Apr;66(2):29-31 (Eng. Abstr.) **(Rus)**

[Clinico-bacteriologic characteristics of phlegmons of the maxillofacial area] Zhdanova LP, et al. **Stomatologiia (Mosk)** 1986 Sep-Oct;65(5):39-42 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Osteoradionecrosis: a study of the incidence in the North West of England. Morton ME. **Br J Oral Maxillofac Surg** 1986 Oct;24(5):323-31

PATHOLOGY

Osteosarcoma mimicking fibrous dysplasia of the jaw. Yamashiro M, et al. **Int J Oral Maxillofac Surg** 1987 Feb; 16(1):112-5

Maxillofacial manifestations and management of arthrogryposis: literature review and case report. Epstein JB, et al. **J Oral Maxillofac Surg** 1987 Mar;45(3):274-9

Experimental extra-follicular histogenesis of follicular cysts. Altini M, et al. **J Oral Pathol** 1987 Feb;16(2):49-52

An immunocytochemical study of the inflammatory cell infiltrate and epithelial expression of HLA-DR in odontogenic cysts. Matthews JB, et al. **J Oral Pathol** 1987 Mar;16(3):112-7

PHYSIOPATHOLOGY

[Characteristics of regional blood flow and oxygen tension in acute inflammation] Volozhin AI, et al. **Patol Fiziol Eksp Ter** 1987 Mar-Apr;(2):40-3 (Eng. Abstr.)

(Rus)

PREVENTION & CONTROL

Preventive durapatite ridge augmentation for esthetic fixed prosthodontics. Bahhi TJ. **J Prosthet Dent** 1987 Sep; 58(3):266–70

RADIOGRAPHY

Orthopantomographic survey. Loh FC.
Ann Acad Med Singapore 1986 Jul;15(3):387–92

Occult radiopaque jaw lesions in familial adenomatous polyposis coli and hereditary nonpolyposis colorectal cancer. Offerhaus GJ, et al. **Gastroenterology** 1987 Sep; 93(3):490–7

Radiology in oral surgery—Part I. Poswillo DE, et al.
Radiography 1986 Sep–Oct;52(605):253–6

[Morphometric evaluation of orthopantomograms of jaw cysts] Rixecker H, et al. **Fortschr Kiefer Gesichtschir** 1987; 32:34–5 (Ger)

[Radiological manifestations of uremic osteodystrophy in the jaws: clinical implications] Tarello F, et al.
Minerva Stomatol 1987 Jan–Feb;36(1–2):109–18 (Eng. Abstr.) (Ita)

RADIONUCLIDE IMAGING

[Diagnosis and follow-up of osteomyelitis of the jaw using 4-phase and labeled leukocyte scintigraphy] Götzfried HF, et al. **Fortschr Kiefer Gesichtschir** 1987;32:172–[illegible] (Ger)

[Place and significance of leukocyte scintigraphy of osteomyelitic processes in the jaw region] Neukam FW, et al. **Fortschr Kiefer Gesichtschir** 1987;32:175–7 (Ger)

REHABILITATION

[Bases for rehabilitation in diseases and injuries of the maxillofacial area] Aleksandrov NM, et al.
Voen Med Zh 1986 Sep;(9):19–21 (Rus)

SURGERY

Application of sintered synthetic hydroxyapatite particles to maxillofacial bone defects. Abe H, et al.
J Nihon Univ Sch Dent 1986 Dec;28(4):272–86

Induced hypotension with labetalol for orthognathic surgery. McNulty S, et al. **J Oral Maxillofac Surg** 1987 Apr; 45(4):309–11

Multiple craniofacial surgical interventions during 25 years of follow-up in a case of giant fibrous dysplasia. Case report. Blomgren I, et al. **Scand J Plast Reconstr Surg** 1986; 20(3):327–30

THERAPY

The management of osteoradionecrosis of the jaws. Morton ME, et al. **Br J Oral Maxillofac Surg** 1986 Oct;24(5):332–41

[Organizational problems in the treatment and rehabilitation of children with diseases of the maxillofacial area] Bernadskiĭ IuI, et al. **Stomatologiia (Mosk)** 1987 May–Jun; 66(3):90–2 (Rus)

[Evaluation of the effectiveness of the combined treatment of perimaxillary phlegmons using hyperbaric oxygenation based on the body's nonspecific reactivity indices] Karapetian IS, et al. **Stomatologiia (Mosk)** 1986 Sep–Oct; 65(5):33–5 (Eng. Abstr.) (Rus)

VETERINARY

Vaccination against lumpy jaw and measurement of antibody response in wallabies (Macropus eugenii). Blanden DR, et al. **Vet Rec** 1987 Jul 18;121(3):60–2

Spontaneous pathology of the European hamster (Cricetus cricetus). Malocclusion, dysplastic and inflammatory processes on the jaws. Kunstýr I, et al.
Z Versuchstierkd 1987;29(3–4):171–80

[Hyperostosis of the mandibles in a West Highland white terrier] Gutteling J, et al. **Tijdschr Diergeneeskd** 1986 Dec 15;111(24):1246–8 (Eng. Abstr.) (Dut)

JAW, EDENTULOUS

Caries status at the moment of total tooth extraction in a rural and an urban area in the Netherlands. Bouma J, et al. **Community Dent Oral Epidemiol** 1986 Dec;14(6):345–8

Reproducibility of the border outline of working impressions of the edentulous mandible obtained by the Slack–Herbst method. Krysinski Z, et al. **J Nihon Univ Sch Dent** 1986 Jun;28(2):139–45

Tongue position in relation to edentulous mandibular impressions. Kotkin H, et al. **J Prosthet Dent** 1987 Apr; 57(4):458–62

COMPLICATIONS

Conservative management of a patient with a fractured atrophic mandible. Frame K. **Br Dent J** 1987 Jan 10; 162(1):27–8

The prevalence of temporomandibular joint dysfunction in edentulous non-denture wearing individuals. Wilding RJ, et al. **J Oral Rehabil** 1987 Mar;14(2):175–82

ETIOLOGY

Relative importance of periodontal disease for full mouth extractions in the Netherlands. Bouma J, et al.
Community Dent Oral Epidemiol 1987 Feb;15(1):41–5

Tobacco smoking: a major risk factor for loss of teeth in three 70-year-old cohorts. Osterberg T, et al.
Community Dent Oral Epidemiol 1986 Dec;14(6):367–70

IMMUNOLOGY

Salivary immunoglobulin concentrations in predentate and edentulous mouths. Grönblad EA, et al.
Scand J Dent Res 1987 Feb;95(1):27–31

METABOLISM

Intraoral hydrolysis of monofluorophosphate. Bruun C, et al. **Scand J Dent Res** 1987 Jun;95(3):202–4

OCCURRENCE

Tooth mortality in women in a 12-year follow-up of a population sample in Gothenburg, Sweden. Ahlqwist M, et al. **Community Dent Oral Epidemiol** 1986 Dec; 14(6):358–61

Pattern of tooth loss in a selected population in Greece. Anagnou-Varelzides A, et al.
Community Dent Oral Epidemiol 1986 Dec;14(6):349–52

Dental health and parity in three 70-year-old cohorts. Rundgren A, et al. **Community Dent Oral Epidemiol** 1987 Jun;15(3):134–6

Prosthetic epidemiology. Owall B. **Int Dent J** 1986 Dec; 36(4):230–4

Findings from the Dental Care Supplement of the National Health Interview Survey, 1983. Ismail AI, et al.
J Am Dent Assoc 1987 May;114(5):617–21

Prevalence of total tooth loss, dental caries, and periodontal disease in Mexican-American adults: results from the southwestern HHANES. Ismail AI, et al. **J Dent Res** 1987 Jun;66(6):1183–8

PATHOLOGY

The mandibular staple bone plate: a 5 1/2-year follow-up. Walker C, et al. **J Am Dent Assoc** 1987 Feb;114(2):189–92

Head angulation and variations in the maxillomandibular relationship. Part II: The effects on facial contour and lip support. Araki NG, et al. **J Prosthet Dent** 1987 Aug; 58(2):218–21

Determination of vertical dimension of rest. A comparative study. Babu CL, et al. **J Prosthet Dent** 1987 Aug; 58(2):238–45

Palatal mucosa under dentures: a qualitative histologic and histochemical analysis. Sharma AK, et al.
J Prosthet Dent 1986 Nov;56(5):574–82

[Dependence of the mucosal thickness on the degree of atrophy of the alveolar portion of the edentulous mandible] Markov BP. **Stomatologiia (Mosk)** 1987 Mar–Apr; 66(2):59–61 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Masticatory performance before and after mandibular vestibuloplasty. Watson CJ. **Br Dent J** 1987 Jun 6; 162(11):417–22

Ability of edentulous human beings to adapt to changes in vertical dimension. Hellsing G, et al. **J Oral Rehabil** 1987 Jul;14(4):379–83

Follow-up study of silent periods in complete denture wearers. Tallgren A, et al. **J Oral Rehabil** 1987 Jul; 14(4):345–53

The relationship of drug use to denture function and saliva flow rate in a geriatric population. Kreher JM, et al.
J Prosthet Dent 1987 May;57(5):631–8

PSYCHOLOGY

Dentists' and patients' opinions of the dental condition at moment of full clearance. Bouma J, et al.
Community Dent Oral Epidemiol 1987 Apr;15(2):79–84

RADIOGRAPHY

A radiographic interpretation of cranio-facial reference lines in relation to prosthodontic plane orientation. Ow RK, et al. **Aust Dent J** 1986 Oct;31(5):326–34

CT scan prior to installation of osseointegrated implants in the maxilla. Andersson L, et al.
Int J Oral Maxillofac Surg 1987 Feb;16(1):50–5

CT of the edentulous maxilla intended for osseo-integrated implants. Fjellström CA, et al. **J Craniomaxillofac Surg** 1987 Feb;15(1):45–6

Radiological findings in 1135 edentulous patients. Keur JJ, et al. **J Oral Rehabil** 1987 Mar;14(2):183–91

A tomographic study of the temporomandibular joint of edentulous patients. Hatjigiorgis CG, et al.
J Prosthet Dent 1987 Mar;57(3):354–8

Longitudinal study of the diagnostic yield of panoramic radiographs in aging edentulous men. Garcia RI, et al.
Oral Surg Oral Med Oral Pathol 1987 Apr;63(4):494–7

Radiographic screening of edentulous patients: sense or nonsense? A risk-benefit analysis. Keur JJ.
Oral Surg Oral Med Oral Pathol 1986 Oct;62(4):463–7

REHABILITATION

Periodontal considerations in preparation for fixed and removable prosthodontics. Seibert JS, et al.
Dent Clin North Am 1987 Jul;31(3):529–55

A cephalometric technique for prosthodontic diagnosis and treatment planning. Chaconas SJ, et al. **J Prosthet Dent** 1986 Nov;56(5):567–74

Alternative prosthodontic technique for tissue-integrated prostheses. Rasmussen EJ. **J Prosthet Dent** 1987 Feb; 57(2):198–204

Palatal lift prostheses for edentulous patients. Sato Y, et al.
J Prosthet Dent 1987 Aug;58(2):206–10

A prosthesis fabrication technique for the edentulous maxillary resection patient. Shifman A, et al.
J Prosthet Dent 1986 Nov;56(5):586–92

SURGERY

Major pre-prosthetic surgery. A review. Tideman H, et al.
Aust Dent J 1986 Dec;31(6):403–14 (38 ref.)

Autogenous bone grafts for atrophic edentulous mandibles: a final report. Curtis TA, et al. **J Prosthet Dent** 1987 Jan; 57(1):73–8

The mandibular staple bone plate: long term evaluation of 40 cases. Schaberg SJ, et al. **Milit Med** 1986 Nov; 151(11):596–602

[Vestibuloplasty with free mucosal grafts in implants in the edentulous mandible. Surgical method and preliminary results] Buser D. **Schweiz Monatsschr Zahnmed** 1987; 97(6):766–72 (Eng. Abstr.) (Ger)

JAW, EDENTULOUS, PARTIALLY

Proximal alveolar bone loss in a longitudinal radiographic investigation. IV. Smoking and some other factors influencing the progress in individuals with at least 20 remaining teeth. Bolin A, et al. **Acta Odontol Scand** 1986 Oct;44(5):263–9

COMPLICATIONS

Effects of experimental loss of teeth on the temporomandibular joint. Christensen LV, et al.
J Oral Rehabil 1986 Nov;13(6):587–98 (62 ref.)

ETIOLOGY

Tooth loss as related to dental caries and periodontal breakdown in adult Tanzanians. Baelum V, et al.
Community Dent Oral Epidemiol 1986 Dec;14(6):353–7

Tobacco smoking: a major risk factor for loss of teeth in three 70-year-old cohorts. Osterberg T, et al.
Community Dent Oral Epidemiol 1986 Dec;14(6):367–70

Tooth loss among Nigerians: causes and pattern of mortality. Odusanya SA. **Int J Oral Maxillofac Surg** 1987 Apr; 16(2):184–9

Tooth loss in maintenance patients in a private periodontal practice. Wilson TG Jr, et al. **J Periodontol** 1987 Apr; 58(4):231–5

IMMUNOLOGY

Salivary immunoglobulin concentrations in predentate and edentulous mouths. Grönblad EA, et al.
Scand J Dent Res 1987 Feb;95(1):27–31

OCCURRENCE

Tooth mortality in women in a 12-year follow-up of a population sample in Gothenburg, Sweden. Ahlqwist M, et al. **Community Dent Oral Epidemiol** 1986 Dec; 14(6):358–61

Pattern of tooth loss in a selected population in Greece. Anagnou-Varelzides A, et al.
Community Dent Oral Epidemiol 1986 Dec;14(6):349–52

Dental health and parity in three 70-year-old cohorts. Rundgren A, et al. **Community Dent Oral Epidemiol** 1987 Jun;15(3):134–6

Prosthetic epidemiology. Owall B. **Int Dent J** 1986 Dec; 36(4):230–4

Subjective need of removable denture treatment in Finnish adults. Nyyssönen V, et al. **J Oral Rehabil** 1987 Jul; 14(4):393–8

PATHOLOGY

Incidence of anterior ridge deformities in partially edentulous patients. Abrams H, et al. **J Prosthet Dent** 1987 Feb; 57(2):191–4

Periodontal status in relation to age of dentate middle aged women. A 12 year longitudinal and a cross-sectional population study. Halling A, et al. **Swed Dent J** 1986; 10(6):233–42

[Effect of the partially edentulous arch and age on the incidence of pathomorphologic changes in the temporomandibular joints] Pinkert R, et al.
Zahn Mund Kieferheilkd 1986;74(6):592–9 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Prevalence of types of temporomandibular joint clickings in subjects with missing posterior teeth. Barghi N, et al.
J Prosthet Dent 1987 May;57(5):617–20

[Reactive functional behavior of the partially edentulous arch from the viewpoint of clinical and experimental research] Kirschbaum E, et al. **Zahn Mund Kieferheilkd** 1987; 75(3):270–5 (Eng. Abstr.) (Ger)

[Changes in the Ca and P content of the human mandible in partial defects of dentition and the presence of bridge dentures] Semeniuk VM, et al. **Stomatologiia (Mosk)** 1987

Jan-Feb;66(1):24-5 (Eng. Abstr.) (Rus)

RADIOGRAPHY

[Diagnostic criteria of the x-ray manifestations of the maxillodental system following tooth extraction] Stepin VS, et al. **Sud Med Ekspert** 1987 Jan-Mar;30(1):28-30 (Eng. Abstr.) (Rus)

REHABILITATION

A conservative alternative to lower posterior bridges replacing mandibular first molars. Loh KW. **Ann Acad Med Singapore** 1986 Jul;15(3):448-50

Differential diagnosis. Fixed or removable prosthesis. Silverman SI. **Dent Clin North Am** 1987 Jul;31(3):347-62

Osseointegrated implants for partially edentulous patients. Interim considerations. Zarb GA, et al. **Dent Clin North Am** 1987 Jul;31(3):457-72

[Experience with anchoring of the subtotal prosthesis using the Ceka anchoring system] Palkovics G. **Fogorv Sz** 1987 May;80(5):153-8 (Eng. Abstr.) (Hun)

JAW FRACTURES

RADIOGRAPHY

Radiology in oral surgery—Part 2. Poswillo DE. **Radiography** 1986 Nov-Dec;52(606):303-8

SURGERY

[Barography using pressure-detecting sheets—an imaging procedure for pressure determination in biomechanical problems of jaw surgery] Randzio J, et al. **Fortschr Kiefer Gesichtschir** 1987;32:190-4 (Ger)

THERAPY

Embolization for traumatic epistaxis. Adjuvant therapy in severe maxillofacial fracture. Schilstra SH, et al. **J Craniomaxillofac Surg** 1987 Feb;15(1):28-30

[Analysis of 1127 jaw fractures, treated at the stomatology clinic in Hradci Králové and at the stomatology department of the hospital in Pardubice 1971-1980] Antalovská Z, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1984; 27(4):271-88 (Eng. Abstr.) (Cze)

VETERINARY

Restorative dentistry. Zetner K. **Tijdschr Diergeneeskd** 1987 Apr;112 Suppl 1:34S-36S

JAW NEOPLASMS

Adenomatoid odontogenic tumor: a survey of 44 new cases in Malaysia. Siar CH, et al. **Ann Dent** 1986 Winter; 45(2):11-4

[Cementifying fibroma of the jaws. Clinical contribution] Cossi R, et al. **Minerva Stomatol** 1987 Mar;36(3):131-40 (Eng. Abstr.) (Ita)

CLASSIFICATION

So called "fibro-osseous lesions" of tumorous origin. Biology confronts terminology. Makek MS. **J Craniomaxillofac Surg** 1987 Jun;15(3):154-67

DIAGNOSIS

Computer-aided diagnosis of odontogenic lesions. Wiener F, et al. **Int J Oral Maxillofac Surg** 1986 Oct;15(5):592-6

[The diagnostic value of echography in maxillofacial surgery] Piette E. **Acta Stomatol Belg** 1986 Oct;83(3):165-74 (Fre)

EMBRYOLOGY

Polyhydramnios caused by giant alveolar granular cell myoblastoma. Schwartz Z, et al. **Acta Obstet Gynecol Scand** 1986;65(5):519-21

ENZYMOLOGY

[Odontogenic myxoma. A histoenzymologic and ultrastructural study. Apropos of 5 cases] Auriol M, et al. **J Biol Buccale** 1986 Sep;14(3):215-22 (Eng. Abstr.) (Fre)

MICROBIOLOGY

Epstein-Barr virus and jaw tumors in North Nigeria. Shepherd J, et al. **Cancer** 1987 Mar 15;59(6):1150-3

OCCURRENCE

Burkitt's lymphoma of the jaws in Lagos. Ten-year review. Akinwande J, et al. **J Maxillofac Surg** 1986 Dec;14(6):323-8 (46 ref.)

Ameloblastoma: a survey of 199 cases in the University of College Hospital, Ibadan, Nigeria. Ajagbe HA, et al. **J Natl Med Assoc** 1987 Mar;79(3):324-7

PATHOLOGY

Calcifying odontogenic cysts in peninsular Malaysia. A report of 30 cases. Ng KH, et al. **Ann Dent** 1986 Winter; 45(2):19-22

Co-existent aneurysmal bone cysts with ameloblastomas: a histological survey. Nadimi H, et al. **J Oral Med** 1986 Oct-Dec;41(4):242-3, 273

A histopathologic study of 116 ameloblastomas with special reference to the desmoplastic variant. Waldron CA, et al. **Oral Surg Oral Med Oral Pathol** 1987 Apr;63(4):441-51

Adenomatoid odontogenic tumour: gross and histological examination of 45 cases. Siar CH, et al. **Singapore Med J** 1987 Apr;28(2):180-9

[Bone tumors of the jaw and face. Sources of error and problems in diagnosis and classification] Burkhardt A. **Pathologe** 1987 Jan;8(1):9-19 (Ger)

RADIOGRAPHY

An efficacy lesson for medical radiologists from our dental colleagues [editorial] Evens RG. **Radiology** 1987 Mar; 162(3):873

Dental radiography: efficacy in the assessment of intraosseous lesions of the face and jaws in asymptomatic patients. Zeichner SJ, et al. **Radiology** 1987 Mar;162(3):691-5

[Radiological pictures of benign tumors of the jaws] Debernardi G, et al. **Minerva Stomatol** 1986 Nov; 35(11):1107-17 (22 ref.) (Eng. Abstr.) (Ita)

[Radiologic aspects of myxoma of the jaws] Bianchi SD, et al. **Radiol Med (Torino)** 1987 May;73(5):403-6 (Eng. Abstr.) (Ita)

RADIONUCLIDE IMAGING

[Experiences with the scintigraphic assessment of tumorlike lesions in the jaw area] Hardt N, et al. **Schweiz Monatsschr Zahnmed** 1986 Sep;96(9):1036-45 (Eng. Abstr.) (Ger)

THERAPY

Osteogenic sarcoma of the mandible and maxilla. Maldonado AR, et al. **South Med J** 1986 Nov;79(11):1453-5

VETERINARY

Synovial sarcoma of the jaw in a dog. Griffith JW, et al. **J Comp Pathol** 1987 May;97(3):361-4

JAW RELATION RECORD

Classification of centric occlusion disturbances on the basis of intra-oral records. Kleinrok M. **J Dent** 1986 Apr; 14(2):65-9

A modified face-bow fork. Adkisson SR. **J Prosthet Dent** 1986 Aug;56(2):252-3

The occlusalgraph: a graphic representation of photocclusion data. Amsterdam M, et al. **J Prosthet Dent** 1987 Jan; 57(1):94-8

An in vitro study of an electronic pantograph. Anderson GC, et al. **J Prosthet Dent** 1987 May;57(5):577-80

A comparison of articulator settings to age and sex. Beard CC, et al. **J Prosthet Dent** 1986 Nov;56(5):551-4

Effect of clutch surface changes on the computerized pantographic reproducibility index and the Fischer angle. Dupas PH, et al. **J Prosthet Dent** 1987 May;57(5):625-30

New device for accurately recording centric relation. Woelfel JB. **J Prosthet Dent** 1986 Dec;56(6):716-27

[Long-term electrognathographic follow-up of destructive injuries of the temporomandibular joint] Fritzenmeier CU, et al. **Fortschr Kiefer Gesichtschir** 1987;32:194-6 (Ger)

[Clinical importance of bite registration in treating Angle class II with a functional regulator] Falck F. **Zahn Mund Kieferheilkd** 1987;75(2):162-6 (Eng. Abstr.) (Ger)

JC VIRUS see under **POLYOMAVIRUSES**

JEALOUSY

Pathological jealousy. Coen SJ. **Int J Psychoanal** 1987;68 (Pt 1):99-108

On envy and how to interpret it. Etchegoyen RH, et al. **Int J Psychoanal** 1987;68 (Pt 1):49-61

[The concept of passionate psychosis without delusions] Olié JP, et al. **Ann Med Psychol (Paris)** 1986 Jan;144(1):88-94 (Fre)

JEHOVAH'S WITNESSES see **CHRISTIANITY**

JEJUNAL DISEASES

[Diverticulosis of the jejunum] Ovesen OC, et al. **Ugeskr Laeger** 1987 May 18;149(21):1381-3 (Eng. Abstr.) (Dan)

[Multiple perforating stress ulcers after surgery for acute intestinal obstruction] Shapiro IaL, et al. **Klin Khir** 1987; (2):42-3 (Rus)

CHEMICALLY INDUCED

Jejunal perforation possibly induced by slow-release potassium in a patient with Crohn's disease. Brower RA. **Dig Dis Sci** 1986 Dec;31(12):1387-90

COMPLICATIONS

Nontropical sprue with several major complications. Caserta SJ. **Am J Gastroenterol** 1987 Jul;82(7):689-91

Intrauterine intestinal volvulus with hemoperitoneum presenting as fetal distress at 34 weeks' gestation. Witter FR, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1080-1

Jejunitis cystica profunda in a hamartomatous polyp. Report of a case. Spjut HJ, et al. **Am J Surg Pathol** 1987 Apr; 11(4):328-32

Jejunal atresia secondary to intrauterine intussusception, presenting as acute perforation. Reed DN Jr, et al. **Can J Surg** 1987 May;30(3):203-4

Multiple duodenum-jejunal diverticula in a case of scleroderma [letter] Milanes-Gonzalez A, et al. **Clin Exp Rheumatol** 1986 Jul-Sep;4(3):289-90

Free perforation of benign gastrojejunocolic and gastrocolic fistula. Report of two cases. Schein M. **Dis Colon Rectum** 1987 Sep;30(9):705-6

Migration of Angelchik prosthesis and small bowel obstruction. Arpayoglou A, et al. **J Arkansas Med Soc** 1987 Apr;83(11):437-8

Small bowel obstruction due to enterolith: CT appearance. Berry DF, et al. **J Comput Assist Tomogr** 1987 Jul-Aug; 11(4):707-8

Retrograde jejunogastric intussusception: an unusual cause of hematemesis (a case report). Gupta S, et al. **J Postgrad Med** 1986 Apr;32(2):105-6

[A case of gastrojejunocolic fistula complicating fatty liver similar to alcoholic hepatitis] Aramaki T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Aug;83(8):1530-4 (Jpn)

[Massive rectal hemorrhage and entero-mesenteric tuberculosis] Sanjuán Rodríguez S, et al. **An Esp Pediatr** 1987 Apr;26(4):311-2 (Spa)

DIAGNOSIS

Isolated fetal-neonatal abdominal ascites: a sign of intrauterine intussusception. Woodall DL, et al. **J Pediatr Surg** 1987 Jun;22(6):506-7

Gallstone ileus diagnosed preoperatively using ultrasonic tomography. Miyata T, et al. **Jpn J Surg** 1987 Mar; 17(2):136-9

DRUG THERAPY

Small bowel fistulas treated with somatostatin: preliminary results. Geerdsen JP, et al. **Surgery** 1986 Nov;100(5):811-4

ETIOLOGY

Jejunogastric intussusception through the enteroanastomosis after gastric resection. Case report. Källén R, et al. **Acta Chir Scand** 1986 Oct;152:637-40

Perforated jejunal ulcer and the Zollinger-Ellison syndrome. Watson CG, et al. **Arch Surg** 1968 Feb;96(2):274-6

Intestinal obstruction caused by a gastric bubble [letter] Kartsonis AP, et al. **Gastrointest Endosc** 1987 Jun;33(3):268

Retrograde jejunogastric intussusception following gastric surgery. Menezes LT, et al. **J Indian Med Assoc** 1986 Oct; 84(10):310-1

Intussusception due to lymphoma. Ein SH, et al. **J Pediatr Surg** 1986 Sep;21(9):786-8

Obstruction and gangrene of bowel with perforation due to a mesenteric cyst in a newborn. Kovalivker M, et al. **J Pediatr Surg** 1987 Apr;22(4):377-8

Multiple proximal jejunal perforations in gallstone ileus. Al-Fallouji MA. **J R Coll Surg Edinb** 1986 Aug;31(4):237

Jejunal entrapment of a gastric balloon [letter] Fleisher A, et al. **JAMA** 1987 Feb 20;257(7):930

Perforation of the small bowel after insertion of feeding jejunostomy: a case report. Sorensen VJ, et al. **JPEN J Parenter Enteral Nutr** 1987 Mar-Apr;11(2):202-4

[Acute intramural small intestinal hematoma in hemophilia A] Habscheid W, et al. **ROFO** 1987 Jun;146(6):722-3 (Ger)

[Collagenous sprue and ulcerative jejuno-ileitis in a patient with gluten-induced enteropathy] Güller R, et al. **Schweiz Med Wochenschr** 1986 Sep 27;116(39):1343-9 (Eng. Abstr.) (Ger)

[A case of leiomyoma of the jejunum (letter)] De Sarro U. **Minerva Chir** 1987 Feb 28;42(4):351-2 (Ita)

[Intestinal amyloidosis and perforation of the gastrointestinal tract—a case of jejunal perforation due to amyloidosis] Miyakawa T, et al. **Rinsho Byori** 1986 Jul;34(7):839-44 (Jpn)

[A case of enterogastric intussusception after gastrectomy] Brojakowska M, et al. **Wiad Lek** 1986 Jul 15;39(14):985-7 (Eng. Abstr.) (Pol)

[Recurrent intestinal obstruction caused by biliary calculi] Tereszczyk T, et al. **Wiad Lek** 1987 Feb 15;40(4):271-4 (Eng. Abstr.) (Pol)

[Incarcerated obturator hernia] Aksenov IV. **Khirurgiia (Mosk)** 1987 Mar;(3):116-7 (Rus)

MICROBIOLOGY

Spiral organisms in the human jejunum. Rolston DD, et al. **J Clin Gastroenterol** 1986 Dec;8(6):628-9

[Therapeutic possibilities in contaminated small intestine syndrome] Pollák R, et al. **Orv Hetil** 1987 Jul 19; 128(29):1515-7 (Eng. Abstr.) (Hun)

PATHOLOGY

Mastocytosis with malabsorption, myelofibrosis, and massive ascites. Reisberg IR, et al. **Am J Gastroenterol** 1987 Jan; 82(1):54-60

Selection of patients for jejunal biopsy [letter] Keshavarzian A, et al. **Dig Dis Sci** 1987 Jun;32(6):669

Unusual sites of upper gastrointestinal variceal bleeding. Manzione NC, et al. **J Clin Gastroenterol** 1987 Feb; 9(1):40–2

Retrogastric hernia through the lesser omentum: a rare complication of proctocolectomy. Ross AH, et al. **J R Coll Surg Edinb** 1987 Feb;32(1):53–4

[Histomorphological study of jejunal mucosa in 35 cases] Shi XZ. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Sep; 15(3):223–4 **(Chi)**

[Jejunal perforation as an initial symptom of Hodgkin's lymphogranulomatosis] Röckelein G. **Leber Magen Darm** 1986 Sep;16(5):312–5 **(Ger)**

[Acute massive gastrointestinal hemorrhage in jejunal diverticulosis] Wagner HE, et al. **Z Gastroenterol** 1987 May;25(5):287–92 (Eng. Abstr.) **(Ger)**

[Diverticulosis of the jejunum and ileum] Putzki H, et al. **Zentralbl Chir** 1987;112(11):696–702 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Hoofbeats of a zebra in the emergency room. Halle AA 3d, et al. **Hosp Pract [Off]** 1986 Oct 15;21(10):124H, 124J, 124L passim

[Acid-secretory function of the gastric stump in post-gastrectomy peptic ulcers of the jejunum] Bershadenko DD, et al. **Khirurgiia (Mosk)** 1987 Jan; (1):57–62 (Eng. Abstr.) **(Rus)**

SURGERY

New technique for pancreaticojejunostomy using a biological adhesive. Tashiro S, et al. **Br J Surg** 1987 May;74(5):392–4

[Extended surgical procedure for malignant colo-jejunal fistula] Ziv Y, et al. **Harefuah** 1985 Mar 15;108(6):288–9 (Eng. Abstr.) **(Heb)**

THERAPY

Treatment of iatrogenic biliary obstruction by balloon dilatation of a biliary jejunal fistula. Zajko AB, et al. **Cardiovasc Intervent Radiol** 1987;10(1):28–31

VETERINARY

Hemorrhagic fibrinonecrotic duodenitis-proximal jejunitis in horses: 20 cases (1977–1984). White NA 2d, et al. **J Am Vet Med Assoc** 1987 Feb 1;190(3):311–5

JEJUNAL NEOPLASMS

[Primary-multiple malignant tumors and their metastasis] Poluéktov IuA, et al. **Klin Khir** 1987;(5):45–6 **(Rus)**

[Intestinal melanomas. Current status] Ortega Bevià JM, et al. **Rev Esp Enferm Apar Dig** 1987 Apr;71(4):343–8 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

[Induction of tumors in the stomach and small intestine of mice by N-methyl-N'-nitro-N-nitrosoguanidine via intubation] Luo DY, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Sep;17(3):180–4 (Eng. Abstr.) **(Chi)**

COMPLICATIONS

Jejunal malignant lymphoma in a patient with adult-onset hypo-gamma-globulinemia and nodular lymphoid hyperplasia of the small bowel. Aguilar FP, et al. **Am J Gastroenterol** 1987 May;82(5):472–5

Protein-losing enteropathy in acquired immunodeficiency syndrome due to intestinal Kaposi's sarcoma. Laine L, et al. **Arch Intern Med** 1987 Jun;147(6):1174–5

[Anemia in the elderly subject secondary to jejunal vascular malformation. Apropos of 2 cases] Hubert D, et al. **Rev Med Interne** 1986 May;7(3):265–70 (Eng. Abstr.) **(Fre)**

[A case of leiomyoma of the jejunum (letter)] De Sarro U. **Minerva Chir** 1987 Feb 28;42(4):351–2 **(Ita)**

[A case of splenosis causing intestinal strangulation and extensive necrosis] Fibak J, et al. **Pol Tyg Lek** 1986 Aug 18;41(33):1049–50 (Eng. Abstr.) **(Pol)**

[Modification of the technic for creating a gastroenterostomy in the presence of an aberrant pancreas] Skripnichenko DF, et al. **Klin Khir** 1987;(2):56 **(Rus)**

[Ectopic pancreas as a cause of digestive hemorrhage] Celdrán Uriarte A, et al. **Rev Esp Enferm Apar Dig** 1987 Jul;72(1):71–2 (Eng. Abstr.) **(Spa)**

[Association of Peutz-Jeghers syndrome with 2 primary carcinomas: small intestine and breast. Report of a patient] Morales Benitez A, et al. **Rev Gastroenterol Mex** 1987 Apr-Jun ;52(2):127–31 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Primary malignant tumors of the small bowel. The Hartford Hospital experience, 1969–1983. Ciccarelli O, et al. **Am J Surg** 1987 Apr;153(4):350–4

Diagnostic value of upper intestinal fiber endoscopy in primary small intestinal lymphoma. A prospective study by the Tunisian-French Intestinal Lymphoma Group. Halphen M, et al. **Cancer** 1986 Nov 1;58(9):2140–5

[Adenocarcinoma of the duodenojejunal angle. Diagnostic and therapeutic problems] Sabiani P, et al. **J Chir (Paris)** 1987 Jan;124(1):30–4 (Eng. Abstr.) **(Fre)**

[Adenocarcinoma of the small intestine including the duodenum] Hachisuka K, et al. **Gan No Rinsho** 1986 Aug; 32(10):1279–85 (Eng. Abstr.) **(Jpn)**

[A case of large jejunal leiomyosarcoma with specific diagnostic images] Suwa A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct;83(10):2232–7 **(Jpn)**

[A case of leiomyoma of the small intestine with intussusception] Janczewska I, et al. **Pol Tyg Lek** 1987 Apr 13;42(15):446–8 (Eng. Abstr.) **(Pol)**

[Clinico-morphological characteristics of bleeding leiomyomas of the small intestine] Zaltsev VT, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):59–62 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Celiac disease as a risk factor for digestive neoplasms] Maurano A, et al. **Radiol Med (Torino)** 1987 Mar; 73(3):174–7 (Eng. Abstr.) **(Ita)**

[Celiac disease and intestinal adenocarcinoma] Hebrero San Martín J, et al. **Rev Esp Enferm Apar Dig** 1986 Nov; 70(5):449–52 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Adenomatosis of small intestine: case report. Nakamura T, et al. **J Clin Pathol** 1986 Sep;39(9):981–6

Tumours of the small intestine. Ellis H. **Semin Surg Oncol** 1987;3(1):12–21

[Study on the location of proximal small intestinal cancers in mice by N-methyl-N'-nitro-N-nitrosoguanidine] Luo DY, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Mar; 17(1):9–12 (Eng. Abstr.) **(Chi)**

[Multiple leiomyosarcoma of the small intestine] Dušková J. **Cesk Patol** 1986 Aug;22(3):165–8 (Eng. Abstr.) **(Cze)**

[Pseudodiverticular aspect of leiomyosarcoma of the small intestine: apropos of a case] Saad H, et al. **J Med Liban** 1986;36(4):151–3 **(Fre)**

[Jejunal perforation as an initial symptom of Hodgkin's lymphogranulomatosis] Röckelein G. **Leber Magen Darm** 1986 Sep;16(5):312–5 **(Ger)**

[Clinicopathologic conference. On malignant intestinal lymphoma and celiac disease: a 44-year-old patient with therapy-resistant disease] Balzer K, et al. **Med Klin** 1986 Aug 22;81(17):563–6 **(Ger)**

[Ovarian metastasis of cancer of the small intestine with simultaneous ovarian pregnancy] Rohde E, et al. **Zentralbl Gynakol** 1986;108(19):1184–8 (Eng. Abstr.) **(Ger)**

[Case report of familial juvenile polyposis of the stomach associated with gastrointestinal malignancy] Morimoto Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul; 83(7):1376–81 **(Jpn)**

[Cancer of the jejunum and Fraumeni syndrome] Glumov VIa, et al. **Arkh Patol** 1987;49(5):70–2 (Eng. Abstr.) **(Rus)**

[Cancer of the small intestine in Peutz-Jeghers syndrome] Kovalenko VL, et al. **Vopr Onkol** 1986;32(10):88–9 **(Rus)**

RADIOGRAPHY

Heterotopic gastric mucosa presenting as small-bowel obstruction. Lodge JP, et al. **Br J Radiol** 1987 Jul; 60(715):710–2

Cavernous haemangioma of the jejunum [letter] Schulman A. **S Afr Med J** 1987 Apr 18;71(8):538

RADIONUCLIDE IMAGING

Detection of small bowel leiomyosarcoma during a Meckel's scan. Moote D, et al. **Clin Nucl Med** 1987 Feb;12(2):152

SECONDARY

Metastasis of hepatocellular carcinoma to the proximal jejunum manifested by occult gastrointestinal bleeding. Yang PM, et al. **Am J Gastroenterol** 1987 Feb;82(2):165–7

Small bowel intussusception due to metastatic renal carcinoma. Haynes IG, et al. **Br J Urol** 1986 Aug;58(4):460

Small bowel metastases from primary carcinoma of the lung. McNeill PM, et al. **Cancer** 1987 Apr 15;59(8):1486–9

[An interesting case of metastasis to the bowel tract after removal of renal cell carcinoma] Iwao T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jun;83(6):1204–8 **(Jpn)**

SURGERY

Zollinger-Ellison syndrome. Cure by surgical resection of a jejunal gastrinoma containing growth hormone releasing factor. Antonioli DA, et al. **Gastroenterology** 1987 Mar; 92(3):814–23

[Leiomyosarcoma of the small intestine and colon in a child: double localization with an interval of 9 years] Ayoub J, et al. **Chir Pediatr** 1986:27(3):165–7 (Eng. Abstr.) **(Fre)**

[Rhabdomyosarcoma of the jejunum. Clinical case] Surfaro O, et al. **Minerva Chir** 1986 Nov 15;41(21):1835–9 (Eng. Abstr.) **(Ita)**

[Leiomyosarcoma of the small intestine] Oancea T, et al. **Rev Chir [Chir]** 1986 Jul-Aug;35(4):287–93 (Eng. Abstr.) **(Rum)**

ULTRASTRUCTURE

Jejunitis cystica profunda in a hamartomatous polyp. Report of a case. Spjut HJ, et al. **Am J Surg Pathol** 1987 Apr; 11(4):328–32

VETERINARY

Colic in two horses associated with smooth muscle intestinal tumours. Livesey MA, et al. **Equine Vet J** 1986 Jul; 18(4):334–7

JEJUNOILEAL BYPASS

Intestinal bypass operation and pregnancy outcome. Knudsen LB, et al. **Acta Obstet Gynecol Scand** 1986;65(8):831–4

The composition of plasma lipoproteins and erythrocyte membranes in cholesterol-fed pigs with partial ileal bypass. Schouten JA, et al. **Artery** 1987;14(3):165–89

High density lipoprotein, apoproteins A-I and A-II and postheparin plasma lipolytic enzymes after ileal bypass. Koivisto P, et al. **Atherosclerosis** 1987 Feb;63(2–3):181–6

Effects of partial ileal bypass on the progression of atherosclerotic lesions in WHHL rabbits. Van Niekerk JL, et al. **Atherosclerosis** 1987 Feb;63(2–3):225–30

Surgery of morbid obesity [editorial] Gazet JC, et al. **Br Med J [Clin Res]** 1987 Jul 11;295(6590):72–3

Fasting and meal-stimulated plasma levels of neurotensin in obese patients after jejunoileal bypass with 3:1 or 1:3 jejunoileal ratio. Pedersen JH, et al. **Scand J Gastroenterol** 1987 Jan;22(1):69–74

Gastric partition after reversal of jejunoileal bypass [letter] Rand CS, et al. **South Med J** 1987 Mar;80(3):407–8

Incidence of symptomatic gallstones after bariatric operations. Deitel M, et al. **Surg Gynecol Obstet** 1987 Jun; 164(6):549–52

Lipoprotein modification achieved by partial ileal bypass: five-year results of The Program on the Surgical Control of the Hyperlipidemias. Campos CT, et al. **Surgery** 1987 Aug;102(2):424–32

[Is jejuno-ileal bypass surgery still indicated in the treatment of severe obesity?] Rasmussen PC, et al. **Nord Med** 1986; 101(12):343–6 (Eng. Abstr.) **(Dan)**

[Functional status of the liver in patients with morbid obesity after combined anesthesia with ketalar and neuroleptanalgesia] Borovskikh NA. **Vestn Khir** 1986 Nov; 137(11):91–4 (Eng. Abstr.) **(Rus)**

[Predicting weight loss in patients with massive obesity after jejunoileal shunting] Koreshkin IA, et al. **Vestn Khir** 1986 Sep;137(9):30–2 (Eng. Abstr.) **(Rus)**

[Clinico-experimental substantiation of the operative exclusion of part of the small intestine in patients with pathologic obesity] Kutushev FKh, et al. **Vestn Khir** 1986 Sep;137(9):25–9 (Eng. Abstr.) **(Rus)**

[Morbid obesity: experience with jejunoileal bypass in 6 patients] González R, et al. **Rev Med Chil** 1986 Jan; 114(1):29–35 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Micronutrient deficiencies after gastric bypass for morbid obesity. Halverson JD. **Am Surg** 1986 Nov;52(11):594–8

Botulism in a patient with jejunoileal bypass. Freedman M, et al. **Ann Neurol** 1986 Nov;20(5):641–3

Jejunoileal bypass. A legacy of late complications. Kirkpatrick JR. **Arch Surg** 1987 May;122(5):610–4

Bypass induced liver disease: an experimental study of the effect of post-operative protein supplementation and metronidazole therapy in an animal model. Lewin MR, et al. **Br J Exp Pathol** 1987 Feb;68(1):15–23

Dysplasia of the colon after jejuno-ileal bypass. McFarland RJ, et al. **Br J Surg** 1987 Jan;74(1):21–2

Thyroxine malabsorption following intestinal bypass surgery. Bevan JS, et al. **Int J Obes** 1986;10(3):245–6

Bypass arthritis and the blind intestinal loop. Ross CB, et al. **South Med J** 1987 Jun;80(6):768–72

[Intestinal bypass dermatitis-arthritis syndrome. A rare complication in the surgical treatment of obesity] Jensen P. **Tidsskr Nor Laegeforen** 1986 Dec 10;106(34–36):2984 (Eng. Abstr.) **(Nor)**

[Complications of jejunoileal bypass which require its removal] Juhás S, et al. **Bratisl Lek Listy** 1986 Oct; 86(4):425–30 (Eng. Abstr.) **(Slo)**

[Bypass disease] Krahulec B, et al. **Cas Lek Cesk** 1987 Mar 6;126(10):312–4 (Eng. Abstr.) **(Slo)**

METHODS

Body composition after 'very-little-stomach' biliopancreatic bypass. Adami G, et al. **Eur Surg Res** 1987;19(2):91–7

[Experimental model for evaluating the possibility of the surgical treatment of pathologic obesity] Picardi N, et al. **Ann Ital Chir** 1986;58(2–4):221–34 **(Ita)**

[Antireflux mechanism in jejuno-ileal bypass in the surgical treatment of pathologic obesity. An experimental study] Picardi N, et al. **Ann Ital Chir** 1985;57(6):503–17 **(Ita)**

JEJUNUM

Jejunoscopies and ileoscopies in children [letter] Paterlini A, et al. **Endoscopy** 1987 Mar;19(2):90

Influence of a jejunal fistula on gastric emptying. Morrison PD, et al. **Eur Surg Res** 1987;19(4):241–5

A case of mucosal bridge over the gastric stroma with Billroth II gastrojejunostomy [letter] Chen PC. **Gastrointest Endosc** 1986 Oct;32(5):372

Percutaneous endoscopic gastrojejunostomy: a technique to

facilitate passage of the jejunostomy tube [letter] DeRidder PH, et al. **Gastrointest Endosc** 1986 Oct;32(5):369–70

Localized hyperthermia and X-irradiation of murine jejunum in situ: a new method. Peck JW, et al. **Int J Hyperthermia** 1986 Jul–Sep;2(3):277–98

[The role of jejunoscopy in the diagnosis of celiac disease and its complications] Debongnie JC, et al. **Acta Gastroenterol Belg** 1986 Jul–Aug;49(4):442–9 (Eng. Abstr.) **(Fre)**

[Post-jejunoscopy bacteremia caused by Klebsiella pneumoniae] Jemni L, et al. **Ann Gastroenterol Hepatol (Paris)** 1986 Dec;22(7):395–6 (Eng. Abstr.) **(Fre)**

ABNORMALITIES

Jejunal atresia secondary to intrauterine intussusception, presenting as acute perforation. Reed DN Jr, et al. **Can J Surg** 1987 May;30(3):203–4

Recurrent gastrointestinal bleeding from jejunal duplication. Papoff W, et al. **Clin Nucl Med** 1986 Nov;11(11):754–5

Apple peel jejunal atresia. Ahlgren LS. **J Pediatr Surg** 1987 May;22(5):451–3

High jejunal atresia with midgut deletion. Moore TC. **J Pediatr Surg** 1986 Nov;21(11):951–2

Familial small bowel atresia and stenosis. Young ID, et al. **J Pediatr Surg** 1986 Sep;21(9):792–3

Morbidity and mortality in small bowel atresia. Jejuno–ileal atresia. Danismend EN, et al. **Z Kinderchir** 1987 Feb; 42(1):17–8

[Seckel syndrome and multiple intestinal atresia] Ramírez-Gutiérrez V, et al. **Bol Med Hosp Infant Mex** 1987 Feb;44(2):108–11 (Eng. Abstr.) **(Spa)**

ANALYSIS

The variation of Romhányi's aldehyde–bisulfite–toluidine blue (ABT)–reaction: the aldehyde–bisulfite–1,9–dimethyl methylene blue (ABD)– and sialic acid specific topo–optical reaction. Makovitzky J. **Acta Histochem (Jena)** 1987;81(1):35–9

The subcellular distribution and levels of calmodulin in jejunal biopsies from control subjects and patients with coeliac disease. Macpherson AJ, et al. **Clin Chim Acta** 1986 Sep 15;159(2):133–8

Histochemical characterization of glycoproteins present in jejunal and colonic goblet cells of pigs on different diets. A biopsy study using chemical methods and peroxidase–labelled lectins. Moré J, et al. **Histochemistry** 1987;87(2):189–94

Bile acid concentrations in serum, bile, jejunal contents, and excreta of male broiler chicks during the first six weeks posthatch. Green J, et al. **Poult Sci** 1987 Mar;66(3):535–40

BLOOD SUPPLY

Effects of micellar oleic acid on canine jejunal blood flow and neurotensin release. Gallavan RH Jr, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):G649–55

Cardiac receptor modulation of blood flow and fluid transport in feline jejunum. Sjövall H, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):G116–23

Effect of collateral circulation on intestinal viability following segmental devascularization in the rat. Lee WP, et al. **Am Surg** 1986 Dec;52(12):630–5

Acute mesenteric ischaemia caused by Schistosoma mansoni infection. Anayi S, et al. **Br Med J [Clin Res]** 1987 May 9;294(6581):1197

Intestinal arteriolar responses to mucosal and serosal applications of adenosine analogues. Proctor KG. **Circ Res** 1987 Aug;61(2):187–93

Possible role for adenosine in local regulation of absorptive hyperemia in rat intestine. Proctor KG. **Circ Res** 1986 Oct; 59(4):474–81

[Anemia in the elderly subject secondary to jejunal vascular malformation. Apropos of 2 cases] Hubert D, et al. **Rev Med Interne** 1986 May;7(3):265–70 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Serotonin receptors influencing cell proliferation in the jejunal crypt epithelium and in colonic adenocarcinomas. Tutton PJ, et al. **Anticancer Res** 1986 Sep–Oct;6(5):1123–6

Histogenesis of the mouse jejunal mucosa, with special reference to proliferative cells and absorptive cells. Hirano S, et al. **Arch Histol Jpn** 1986 Aug;49(3):333–48

Cell proliferation in developing human jejunum. Arsenault P, et al. **Biol Neonate** 1987;51(6):297–304

Variations in crypt cell cycle time [letter] Maurer-Schultze B, et al. **Cell Tissue Kinet** 1987 Jan;20(1):121–2

Demonstration of microtubules in the terminal web of mature absorptive cells from the small intestine of the rat. Hagen SJ, et al. **Cell Tissue Res** 1987 Jun;248(3):709–11

Loss of microtubules and alteration of glycoprotein migration in organ cultures of mouse intestine exposed to nocodazole or colchicine. Hugon JS, et al. **Cell Tissue Res** 1987 Jun; 248(3):653–62

Relation between alpha–methyl–D–glucoside influx and brush border surface area in enterocytes from chicken cecum and jejunum. Planas JM, et al. **Pflugers Arch** 1987 May;408(5):515–8

Cell cycle distribution of proliferative and functional cells of the rat jejunum after treatment with oral E2 prostaglandins. Uribe A, et al. **Scand J Gastroenterol** 1987 Mar;22(2):177–84

DRUG EFFECTS

Mast cell degranulation after a single dose of gliadin in the jejunum of patients with coeliac disease. Horváth K, et al. **Acta Paediatr Hung** 1986;27(4):311–6

Mechanisms underlying the small intestinal fluid secretion caused by arachidonic acid, prostaglandin E1 and prostaglandin E2 in the rat in vivo. Brunsson I, et al. **Acta Physiol Scand** 1987 Aug;130(4):633–42

Influence of sodium deoxycholate on morphology, net fluid transport and motility in the small intestine of the rat. Karlström L, et al. **Acta Physiol Scand** 1987 Jun; 130(2):273–83

Effect of morphine on electrophysiological properties of circular and longitudinal muscles. Gilbert RJ, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):G333–8

Sensitivities of human jejunum, ileum, proximal colon, and gallbladder to cholecystokinin octapeptide. Kellow JE, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):G345–56

Effects of xylazine on equine intestinal vascular resistance, motility, compliance, and oxygen consumption. Stick JA, et al. **Am J Vet Res** 1987 Feb;48(2):198–203

Effect of secretin and caerulein on the absorption of water, electrolytes and glucose from the jejunum of dogs. Hirose S, et al. **Digestion** 1986;35(4):205–10

Effect of ethanol and other aliphatic alcohols on the intestinal transport of folates. Said HM, et al. **Digestion** 1986; 35(3):129–35

Heparin modulates human intestinal smooth muscle cell proliferation, protein synthesis, and lattice contraction. Graham MF, et al. **Gastroenterology** 1987 Oct;93(4):801–9

Effects of olsalazine in the jejunum of the rat. Mohsen AQ, et al. **Gut** 1987 Mar;28(3):346–52

Epidermal growth factor does not act as a primary cue for inducing developmental changes in suckling mouse jejunum. Ménard D, et al. **J Pediatr Gastroenterol Nutr** 1986 Nov–Dec;5(6):949–55

Chemically induced bowel denervation improves survival in short bowel syndrome. Sawchuk A, et al. **J Pediatr Surg** 1987 Jun;22(6):492–6

Effects of potential damaging agents on the microclimate–pH in the rat jejunum. Iwatsubo T, et al. **J Pharm Sci** 1986 Dec;75(12):1162–5

Functional significance of histologic alterations induced by Escherichia coli pig–specific, mouse–negative, heat–stable enterotoxin (STb). Whipp SC, et al. **Vet Res Commun** 1987; 11(1):41–55

[cAMP concentration, cAMP metabolism and fluid secretion in the jejunum, ileum and colon of the rat caused by cholera toxin] Loeschke K, et al. **Z Gastroenterol** 1986 Sep;24 Suppl 3:57–61 **(Ger)**

[Dilution of the toxic action of 5–fluorouracil on the mucosa of the small intestine in mice using the sap of plantain] Borovskaia TG, et al. **Vopr Onkol** 1987;33(7):60–4 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Organ culture of fetal rat small intestine for testing gluten toxicity: a reappraisal. Wood GM, et al. **Br J Exp Pathol** 1987 Feb;68(1):25–34

[Absorption of L–alanine in small intestine of human fetus (by using brush border membrane vesicles of jejunum)] Iioka H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul;39(7):1042–6 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Molecular forms of alkaline phosphatase in particular segments of the small intestine of adult rat. Separation of three enzyme forms from jejunum. Dupuis Y, et al. **Acta Biochim Pol** 1986;33(4):269–75

Stimulation of ornithine decarboxylase activity in digestive tract mucosa. Jain R, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):G303–7

Characterization of serum, liver, and intestinal sialyltransferases from rats treated with colchicine. Ratnam S, et al. **Biochem Cell Biol** 1987 Mar;65(3):183–7

Age dependence in capacity–limited jejunal decarboxylation of levodopa in rats. Iwamoto K, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2151–5

Substrate specificity in the stimulation of intestinal ornithine decarboxylase activity by refeeding after starvation. Baer AR, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):257–9

Inositol phosphatase in developing rat duodenum, jejunum and ileum. Rao RK, et al. **Biol Neonate** 1986;50(3):165–70

Allosteric properties of phosphofructokinase from the epithelial cells of thermally injured rat small intestine. Khoja SM, et al. **Comp Biochem Physiol [B]** 1987; 87(3):469–72

Modulation by thyroxine of the amount of lactase protein in the jejunum of adult rats. Nsi Emvo E, et al. **Enzyme** 1986;36(3):216–20

Postnatal development of disaccharidase activities in jejunal fluid of preterm neonates. Mayne AJ, et al. **Gut** 1986 Nov; 27(11):1357–61

Effect of a high–dextrose diet on sucrase and lactase activity in jejunum of obese mice (C57BL/6J obob). Flores CA, et al. **J Am Coll Nutr** 1986;5(6):565–75

Intracellular pteroylpolyglutamate hydrolase from human jejunal mucosa. Isolation and characterization. Wang TT, et al. **J Biol Chem** 1986 Oct 15;261(29):13551–5

Enzyme histochemistry on jejunal tissue embedded in resin. Hand NM. **J Clin Pathol** 1987 Mar;40(3):346–7

Response of activity of jejunal disaccharidases and pancreatic amylase in young and middle–aged rats to a high carbohydrate diet. Thornburg W, et al. **J Nutr** 1987 Jan; 117(1):63–9

Nucleotide and amino acid sequences of human intestinal alkaline phosphatase: close homology to placental alkaline phosphatase. Henthorn PS, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1234–8

[Action of bivalent cations on the alkaline phosphatase activity of intestinal microvilli. Influence of pH and substrate] Tardivel S, et al. **Reprod Nutr Dev** 1987; 27(3):641–8 (Eng. Abstr.) **(Fre)**

[A stepwise method of evaluating sugar substitutes—a preliminary study using enzymes. 3. Carbohydrases from the human jejunal mucosa] Ziesenitz SC. **Z Ernahrungswiss** 1986 Dec;25(4):253–8 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Expression of a subclass of human blood group A antigenicity in A+ rabbit jejunum: specific glycosylation of the glycocalyx and a 140 K brush border glycoprotein. Gorvel JP, et al. **Biol Cell** 1987;59(2):145–51

Examination of the low proliferative capacity of human jejunal intraepithelial lymphocytes. Ebert EC, et al. **Clin Exp Immunol** 1986 Jul;65(1):148–57

The distribution of gluten–sensitive lymphocytes in coeliac patients—is it related to dietary gluten? Howdle PD, et al. **Clin Exp Immunol** 1986 Nov;66(2):393–8

Production of secretory immunoglobulin A in rat self–filling blind loops. Local secretory immunoglobulin A immune response to luminal bacterial flora. Lichtman S, et al. **Gastroenterology** 1986 Dec;91(6):1495–502

Immunoglobulin production by coeliac biopsies in organ culture. Wood GM, et al. **Gut** 1986 Oct;27(10):1151–60

Experimental studies of immunologically mediated enteropathy. II. Role of natural killer cells in the intestinal phase of murine graft–versus–host reaction. Mowat AM, et al. **Immunology** 1987 Jun;61(2):179–83

Experimental studies of immunologically mediated enteropathy. III. Severe and progressive enteropathy during a graft–versus–host reaction in athymic mice. Mowat AM, et al. **Immunology** 1987 Jun;61(2):185–8

IgA class antibody against human jejunum in sera of children with dermatitis herpetiformis. Kárpáti S, et al. **J Invest Dermatol** 1986 Dec;87(6):703–6

Subcellular localization of class I (A,B,C) and class II (DR and DQ) MHC antigens in jejunal epithelium of children with coeliac disease. Sarles J, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan–Feb;6(1):51–6

INJURIES

Jejunal rupture in a football player. Murphy CP, et al. **Am J Sports Med** 1987 Mar–Apr;15(2):184–5

Ischemic jejunal stenosis and blind loop syndrome after blunt abdominal trauma. Isaacs P, et al. **J Clin Gastroenterol** 1987 Feb;9(1):96–8

Ruptured jejunum following Heimlich maneuver. Razaboni RM, et al. **J Emerg Med** 1986;4(2):95–8

[Lesions of the small intestine resulting from a blunt injury] Marschall B. **Ugeskr Laeger** 1987 Apr 6;149(15):987–8 (Eng. Abstr.) **(Dan)**

[Recent traumatic ruptures of the jejunoileal segment. Value and methods of early diagnosis. Apropos of 29 cases] Vichard P, et al. **Chirurgie** 1986;112(4):304–13 (Eng. Abstr.) **(Fre)**

[Rupture of the jejunum after closed abdominal trauma during skiing] de Gottrau P, et al. **Rev Med Suisse Romande** 1986 Aug;106(8):715–7 **(Fre)**

INNERVATION

Framework of the enteric nerve plexuses: an immunocytochemical study in the guinea pig jejunum using an antiserum to S–100 protein. Kobayashi S, et al. **Arch Histol Jpn** 1986 Jun;49(2):159–88

Effect of chemical ablation of myenteric neurons on neurotransmitter levels in the rat jejunum. Dahl JL, et al. **Gastroenterology** 1987 Feb;92(2):338–44

Investigation of the vagally induced changes in transmural potential difference in the ferret jejunum in vivo. Greenwood B, et al. **J Auton Nerv Syst** 1987 May; 19(2):113–8

Projections of peptide–containing neurons in rat small intestine. Ekblad E, et al. **Neuroscience** 1987 Jan; 20(1):169–88

[Status of the mucous membrane of the jejunum of the rat after desympathization] Sirotin AI. **Arkh Anat Gistol Embriol** 1986 Sep;91(9):86–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Mechanism of phosphate transport adaptation in rat intestinal and renal brush border membranes. Danisi G, et al. **Adv Exp Med Biol** 1986;208:223–6

Gut and whole body O2 deficit during and excess uptake after hypoxia. Dodd SL, et al. **Adv Exp Med Biol** 1986; 200:449–56

Mechanisms and regulation of intestinal phosphate transport. Lee DB. **Adv Exp Med Biol** 1986;208:207–12 (10 ref.)

Kinetics of transepithelial movement of heavy metals in rat jejunum. Foulkes EC, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):G134–8

Response of isolated rat jejunum to angiotensin peptides. Levens NR. **Am J Physiol** 1986 Oct;251(4 Pt 1):G559–66

Absence of a cAMP–mediated antiabsorptive effect in an undifferentiated jejunal epithelium. MacLeod RJ, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):G776–82

Jejunal epithelial glucose metabolism: effects of Na+ replacement. Mallet RT, et al. **Am J Physiol** 1986 Nov; 251(5 Pt 1):C803–9

Transport of acidic amino acids by human jejunal brush–border membrane vesicles. Rajendran VM, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):G33–9

Level of alimentation and line of breeding on oxygen uptake by ovine jejunal mucosa. Rompala RE, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R398–401

A carrier–mediated system for transport of biotin in rat intestine in vitro. Said HM, et al. **Am J Physiol** 1987 Jan; 252(1 Pt 1):G52–5

Sodium transport in basolateral membrane vesicles from rat enterocytes. Orsenigo MN, et al. **Arch Int Physiol Biochim** 1987 Mar;95(1):57–66

Investigation of the role of micellar phospholipid in the preferential uptake of cholesterol over sitosterol by dispersed rat jejunal villus cells. Child P, et al. **Biochem Cell Biol** 1986 Aug;64(8):847–53

Effect of gastroduodenostomy on intestinal vasoactive intestinal peptide (VIP) levels, and VIP binding and VIP stimulation of cyclic AMP in intestinal epithelial cells from rat. Carmena MJ, et al. **Biochem Med Metab Biol** 1987 Jun;37(3):307–13

Effects of vanadate on water and electrolyte transport in rat jejunum. Hajjar JJ, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):325–8

Inhibition of the intestinal transport of uracil by hexoses and amino acids. Katgely BW, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):429–34

Cholesterol regulates high–density lipoprotein interaction with isolated epithelial cells of human small intestine. Sviridov DD, et al. **Biochim Biophys Acta** 1987 Jun 23; 919(3):266–74

Independence of in vitro iron absorption from mucosal transferrin content in rat jejunal and ileal segments. Schümann K, et al. **Biol** 1986 Nov;53(5):391–400

Absorption of 5–fluorouracil and related pyrimidines in rat small intestine. Bronk JR, et al. **Clin Sci** 1987 Jun; 72(6):705–16

Effects of sodium replacement on uptake of the dipeptide glycylsarcosine by hamster jejunum in vitro. Burston D, et al. **Clin Sci** 1987 Jul;73(1):61–8

Glucose absorption from maltotriose and glucose oligomers in the human jejunum. Jones BJ, et al. **Clin Sci** 1987 Apr; 72(4):409–14

Effect of monensin and nocodazole on the intestinal lipid esterification in mouse jejunal organ culture. Carlier H, et al. **Comp Biochem Physiol [A]** 1986;84(4):655–9

Absorption of electrolytes and water by the jejunum and colon in milk–fed lambs. Scharrer E, et al. **Comp Biochem Physiol [A]** 1987;86(2):251–4

Jejunal and cecal 3–oxy–methyl–D–glucose absorption in chicken using a perfusion system in vivo. Vinardell MP, et al. **Comp Biochem Physiol [A]** 1987;86(4):625–7

Absorption of 3–oxy–methyl–D–glucose by chicken cecum and jejunum in vivo. Vinardell MP, et al. **Comp Biochem Physiol [A]** 1986;85(1):171–3

Intestinal transport of 5–methyltetrahydrofolate in streptozotocin–induced diabetes mellitus in the rat. Said HM, et al. **Diabetes Res** 1986 Sep;3(7):363–7

Intestinal permeability in diabetic diarrhoea. Cooper BT, et al. **Diabetic Med** 1987 Jan–Feb;4(1):49–52

Role of cholecystokinin in intestinal phase of human pancreatic secretion. Brugge WR, et al. **Dig Dis Sci** 1987 Feb;32(2):155–63

Food proteins and gut mucosal barrier. IV. Effects of acute and chronic ethanol administration on handling and uptake of bovine serum albumin by rat small intestine. Stern M, et al. **Dig Dis Sci** 1986 Nov;31(11):1242–8

Dietary fat content influences uptake of hexoses and lipids into rabbit jejunum following ileal resection. Thomson AB, et al. **Digestion** 1986;35(2):78–88

Selective photolabeling of high and low affinity binding sites for vasoactive intestinal peptide (VIP): evidence for two classes of covalent VIP–receptor complexes in intestinal cell membranes. Robichon A, et al. **Endocrinology** 1987 Mar;120(3):978–85

Effect of peptide chain length on absorption of egg protein hydrolysates in the normal human jejunum. Grimble GK, et al. **Gastroenterology** 1987 Jan;92(1):136–42

Intestinal uptake of IgG in suckling rats. Distinction between jejunal and ileal epithelial cells demonstrated by simultaneous ultrastructural localization of IgG and acid phosphatase. Hasegawa H, et al. **Gastroenterology** 1987 Jan; 92(1):186–91

Central nervous system influence of prostaglandin E2 on jejunal water and electrolyte transport in conscious dogs. Primi MP, et al. **Gastroenterology** 1986 Dec;91(6):1427–32

Influence of sham feeding on salt and water absorption in the human jejunum. Barclay GR, et al. **Gut** 1986 Oct; 27(10):1147–50

Jejunal water and electrolyte absorption from two proprietary enteral feeds in man: importance of sodium content. Spiller RC, et al. **Gut** 1987 Jun;28(6):681–7

Evaluation of structural and secretory glycoconjugates in normal human jejunum by means of lectin histochemistry. Vecchi M, et al. **Histochemistry** 1987;86(4):359–64

Kinetics of the intestinal brush border proline (Imino) carrier. Stevens BR, et al. **J Biol Chem** 1987 May 15; 262(14):6546–51

Epitopes of apolipoprotein B–100 and B–48 in both liver and intestine. Expression and evidence for local synthesis in recessive abetalipoproteinemia. Dullaart RP, et al. **J Clin Invest** 1986 Nov;78(5):1397–404

Inhibition of L–alanine uptake into bovine jejunal brush border membrane vesicles by L–amino acids. Crooker BA, et al. **J Dairy Sci** 1987 May;70(5):963–9

Water absorption in rat jejunal loops in only transiently stimulated by ORS. Kheroua O, et al. **J Diarrhoeal Dis Res** 1986 Sep;4(3):149–52

Hyperglucagonaemia: effects on active nutrient uptake by the rat jejunum. Thompson CS, et al. **J Endocrinol** 1986 Oct;111(1):37–42

Anaphylaxis–mediated epithelial Cl– secretion and parasite rejection in rat intestine. Harari Y, et al. **J Immunol** 1987 Feb 15;138(4):1250–5

Small bowel mucosa from celiac patients generates 15–hydroxyeicosatetraenoic acid (15–HETE) after in vitro challenge with gluten. Krilis SA, et al. **J Immunol** 1986 Dec 15;137(12):3768–71

A method for measuring apical glucose transporter site density in intact intestinal mucosa by means of phlorizin binding. Ferraris RP, et al. **J Membr Biol** 1986;94(1):65–75

Use of phlorizin binding to demonstrate induction of intestinal glucose transporters. Ferraris RP, et al. **J Membr Biol** 1986;94(1):77–82

Transport of methionine hydroxy analog across the brush border membrane of rat jejunum. Brachet P, et al. **J Nutr** 1987 Jul;117(7):1241–6

Effect of food on absorption of 450191–S, a 1H–1,2,4–triazolyl benzophenone derivative from rat small intestine. Koike M, et al. **J Pharmacobiodyn** 1986 May; 9(5):447–52

The transport of uric acid across mouse small intestine in vitro. Bronk JR, et al. **J Physiol (Lond)** 1986 Sep;378:229–39

Intracellular potassium as a possible inducer of amino acid transport across hamster jejunal enterocytes. Cremaschi D, et al. **J Physiol (Lond)** 1986 Jun;375:107–19

Analysis of absorptive cell occluding junction structure–function relationships in a state of enhanced junctional permeability. Marcial MA, et al. **Lab Invest** 1987 Apr;56(4):424–34

Jejunal phosphate transport is not regulated by the PTH–adenylate cyclase system. Further studies on the contrasting features between intestinal and renal phosphate transport mechanisms. Lee DB, et al. **Miner Electrolyte Metab** 1986;12(5–6):293–7

Binding of vasoactive intestinal polypeptide to dispersed enterocytes results in rapid removal of the NH2–terminal histidyl residue. Nau R, et al. **Mol Cell Endocrinol** 1987 Jul;52(1–2):97–103

Influence of dietary fiber and intraluminal pressure on absorption and pre–epithelial diffusion resistance (unstirred layer) in rat jejunum in situ. Holzheimer G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):514–24

Effects of nonischemic hypoxia on jejunal mucosal structure and function: study of an experimental model in dogs. Berant M, et al. **Pediatr Res** 1986 Nov;20(11):1143–6

Cystine fluxes across the isolated jejunal epithelium in cystinuria: increased efflux permeability at the luminal membrane. Desjeux JF, et al. **Pediatr Res** 1987 May; 21(5):477–81

Effect of vanadate on amino acid transport in rat jejunum. Hajjar JJ, et al. **Proc Soc Exp Biol Med** 1987 Apr; 184(4):403–9

The effects of mefenamic acid on postprandial intestinal carbohydrate metabolism. Gallavan RH Jr, et al. **Prostaglandins** 1986 Jun;31(6):1069–76

Preparation and properties of isolated epithelial intestinal cells from chicken cecum and jejunum. Ferrer R, et al. **Rev Esp Fisiol** 1986 Sep;42(3):341–8

Inhibition of sugar transport across rat jejunum, in vivo, by cupric ions. Rodríguez–Yoldi MJ, et al. **Rev Esp Fisiol** 1987 Mar;43(1):45–9

Uranyl action on sugar transport across rat jejunum. Rodríguez–Yoldi MJ, et al. **Rev Esp Fisiol** 1986 Sep; 42(3):359–64

The effect of luminal and hormonal factors on small intestinal water and electrolyte transport. Barbezat GO. **Schweiz Med Wochenschr** 1986 Jul 19;116(29):946–9

Electrical measurement of chloride secretion in the perfused human jejunum: effects of theophylline and prostaglandin E1. Masukawa H, et al. **Tohoku J Exp Med** 1986 Jul; 149(3):241–9

[Effect of testosterone propionate on jejunal and ileal zinc absorption in rats] Zhang GH. **Chung Hua I Hsueh Tsa Chih** 1986 Oct;66(10):608–10 **(Chi)**

[Effect of secretin, pancreozymin and caerulein on the jejunal absorption of water, electrolytes and glucose in dogs] Hirose S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul;83(7):1304–10 (Eng. Abstr.) **(Jpn)**

[Inhibition of meal–stimulated gastrin release by intrajejunal acidification in conscious dogs] Tanaka Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Apr;84(4):857–62 (Eng. Abstr.) **(Jpn)**

[Activation of serotonin release in a perfused in situ segment of the rat jejunum] Vasil'ev VP. **Biol Nauki** 1987;(2):48–51 (Eng. Abstr.) **(Rus)**

[Effect of cholera enterotoxin on carbohydrate metabolism of the liver and small intestine mucosa in the rabbit] Vengrov PR, et al. **Biull Eksp Biol Med** 1987 Apr; 103(4):410–3 (Eng. Abstr.) **(Rus)**

[Features of the hydrolysis and transport of nutrients in the proximal and distal portions of the jejunum] Liashchenko IuN. **Fiziol Zh SSSR** 1986 Nov;72(11):1559–63 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Microbial flora in the bypassed jejunum of patients with biliopancreatic bypass for obesity. Prakash G, et al. **Am J Clin Nutr** 1987 Aug;46(2):273–6

Bacteria and the mucus blanket in experimental small bowel bacterial overgrowth. Sherman P, et al. **Am J Pathol** 1987 Mar;126(3):527–34

Comparison of the 1–gram [14C]xylose, 10–gram lactulose–H2, and 80–gram glucose–H2 breath tests in patients with small intestine bacterial overgrowth. King CE, et al. **Gastroenterology** 1986 Dec;91(6):1447–51

Breath tests in small bowel bacterial overgrowth [letter] Modigliani R. **Gastroenterology** 1987 Jul;93(1):218

Spiral organisms in the human jejunum. Rolston DD, et al. **J Clin Gastroenterol** 1986 Dec;8(6):628–9

Jejunal bacterial overgrowth in acute and persistent infectious diarrhea. Klipstein FA. **J Pediatr Gastroenterol Nutr** 1986 Sep–Oct;5(5):683–7 (51 ref.)

Effects of dietary lactose and purified diet on intestinal microflora of rats. Morishita Y, et al. **Jpn J Med Sci Biol** 1987 Feb;40(1):15–26

[Bacterial flora in jejunal aspirates: study using culture examination, gas chromatography and H2 breath–test] Menozzi MG, et al. **Ann Ist Super Sanita** 1986;22(3):759–62 (Eng. Abstr.) **(Ita)**

[Jejunal microflora in children with flat mucosa and normal mucosa] Ciampolini M, et al. **Minerva Pediatr** 1986 Sep 30;38(17–18):759–67 (Eng. Abstr.) **(Ita)**

PARASITOLOGY

Intrinsic jejunal propulsion in the guinea pig during parasitism with Trichinella spiralis. Alizadeh H, et al. **Gastroenterology** 1987 Oct;93(4):784–90

PATHOLOGY

Diets alter jejunal morphology and brush border membrane composition in streptozotocin–diabetic rats. Keelan M, et al. **Can J Physiol Pharmacol** 1987 Feb;65(2):210–8

Sequential morphologic and biochemical studies of naturally occurring wheat–sensitive enteropathy in Irish setter dogs. Batt RM, et al. **Dig Dis Sci** 1987 Feb;32(2):184–94

Malabsorption, hypocholesterolemia, and fat–filled enterocytes with increased intestinal apoprotein B. Chylomicron retention disease. Roy CC, et al. **Gastroenterology** 1987 Feb;92(2):390–9

Small–bowel changes in recurrent ulceration of the mouth. Veloso FT, et al. **Hepatogastroenterology** 1987 Feb; 34(1):36–7

Timing of infiltration of T lymphocytes induced by gluten into the small intestine in coeliac disease. Freedman AR, et al. **J Clin Pathol** 1987 Jul;40(7):741–5

Abnormal intestinal permeability and jejunal morphometry. Juby LD, et al. **J Clin Pathol** 1987 Jul;40(7):714–8

[Histomorphological study of jejunal mucosa in 35 cases] Shi XZ. **Chung–hua Ping Li Hsueh Tsa Chih** 1986 Sep; 15(3):223–4 **(Chi)**

[Jejunum biopsy obtained via a duodenoscopy] Sørensen EV, et al. **Ugeskr Laeger** 1987 Feb 9;149(7):454–5 (Eng. Abstr.) **(Dan)**

[Atrophy of the duodeno–jejunal mucosa in cow's milk protein intolerance. Importance of cell–mediated immunologic factors] Balli F, et al. **Pediatr Med Chir** 1986 Sep–Oct;8(5):611–4 (Eng. Abstr.) **(Ita)**

[Qualitative and quantitative changes in APUD cells in celiac diseases in children and adults] Kaczmarski M, et al. **Pol Tyg Lek** 1987 Feb 16;42(7):179–83 **(Pol)**

[Effect of selenium and vitamin E on morphologic parameters and mucopolysaccharides of the jejunum in experimental trichinosis in mice] Houszka M. **Wiad Parazytol** 1986; 32(3):263–73 (Eng. Abstr.) **(Pol)**

[A proposal for the classification of intestinal complications in giardiasis] Fragoso T, et al. **Acta Gastroenterol Latinoam** 1986;16(1):27–31 (Eng. Abstr.) **(Spa)**

[Endoscopic biopsy of the jejunum] Kirberg A, et al. **Rev Chil Pediatr** 1986 Jan–Feb;57(1):31–4 (Eng. Abstr.) **(Spa)**

[Proposal for the classification of the intestinal impact of giardiasis] Fragoso Arbelo T, et al. **Rev Cubana Med Trop** 1986 May–Aug;38(2):223–8 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Antihistaminic and anticholinergic activity of amidine sulfides. Pandeya SN, et al. **Acta Pol Pharm** 1986; 43(5):420–7

Mechanisms of enhanced canine enteric absorption with intestinal pacing. Bjorck S, et al. **Am J Physiol** 1987 Apr; 252(4 Pt 1):G548–53

Distension pressure on subserosal and mesenteric lymph pressures of rat jejunum. Lee JS. **Am J Physiol** 1986 Nov; 251(5 Pt 1):G611–4

Effect of jejunal loop location on the activity of Escherichia coli heat-stable enterotoxin in 4- to 5-week-old pigs. Dove CR, et al. **Am J Vet Res** 1987 Apr;48(4):558–61

Effect of colchicine on some electrical properties of rat small intestine. Al-Balool FY. **Comp Biochem Physiol [A]** 1987; 86(4):667–71

Parental spleen cells accelerate the development of intestinal brush border structure and function in neonatal mice. Lund EK, et al. **Comp Biochem Physiol [A]** 1986;85(1):175–81

Myoelectric and contractile effects of motilin on dog small intestine in vivo. Lang IM, et al. **Dig Dis Sci** 1986 Oct; 31(10):1062–72

Regulatory peptide distribution in separated layers of the human jejunum. Ferri GL, et al. **Digestion** 1987;37(1):15–21

Central alpha 2-adrenergic control of the pattern of small intestinal motility in rats. Fargeas MJ, et al. **Gastroenterology** 1986 Dec;91(6):1470–5

Effect of transection and pacing on human jejunal pacesetter potentials. Richter HM 3d, et al. **Gastroenterology** 1986 Dec;91(6):1380–5

Myoelectric activity of gastric antrum and jejunum in anaesthetised guinea pigs. Krishnamurthy N, et al. **Indian J Physiol Pharmacol** 1986 Jul–Sep;30(3):210–4

Local control of jejunal absorption by the renin–angiotensin system. Levens NR. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S17–22

Ablation of the myenteric plexus impairs alpha but not beta adrenergic receptor-mediated mechanical responses of rat jejunal longitudinal muscle. Fox DA, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):9–14

[New methods of studying small intestine motility] Ehrlein HJ, et al. **DTW** 1987 Jan 8;94(1):23–7 (Eng. Abstr.) **(Ger)**

[Electromyographical study on motor function of residual intestine after massive resection of small intestine] Kitahara S. **Nippon Heikatsukin Gakkai Zasshi** 1986 Oct; 22(5):447–65 (Eng. Abstr.) **(Jpn)**

[Effect of vitamin A, D 3 and E on intestinal motility in rabbits in chronic experiments and in vitro] Nagórna-Stasiak B, et al. **Pol Arch Weter** 1984;24(2):215–27 (Eng. Abstr.) **(Pol)**

[Changes in hydrostatic pressure in the small intestine in the early postoperative period] Bondarenko VA, et al. **Klin Khir** 1987;(2):62–3 **(Rus)**

PHYSIOPATHOLOGY

Altered calcium-handling properties of jejunal smooth muscle from the nematode-infected rat. Fox-Robichaud AE, et al. **Gastroenterology** 1986 Dec;91(6):1462–9

Diagnosis of congenital glucose-galactose malabsorption by measuring sugar- and amino acid-evoked potential differences in jejunum in vivo. Igarashi Y, et al. **J Pediatr Gastroenterol Nutr** 1986 Nov–Dec;5(6):899–901

Measurement of jejunal surface pH in situ by plastic pH electrode in patients with coeliac disease. Rawlings JM, et al. **Scand J Gastroenterol** 1987 Apr;22(3):377–84

[Effect of emotional stress on the electrical activity of the jejunum in the dog] Pastukhov VA. **Fiziol Zh SSSR** 1986 Dec;72(12):1686–9 **(Rus)**

RADIATION EFFECTS

Jejunal crypt stem-cell survival after fractionated gamma-irradiation performed at different dose rates. Huczkowski J, et al. **Int J Radiat Biol** 1987 Jan;51(1):131–7

Morphological criteria for comparing effects of X-rays and neon ions on mouse small intestine. Carr KE, et al. **Scanning Microsc** 1987 Jun;1(2):799–809

RADIOGRAPHY

Physical and biological dosimetry at the barium sulphate–culture medium interface. Tokita N, et al. **Br J Radiol** 1986 Nov;59(707):1131–3

Bizarre trichobezoars. Saxena C, et al. **Indian Pediatr** 1986 Sep;23(9):734–7

[Criteria of the radiologic evaluation of the principal reconstructive methods after total gastrectomy] Spalluto F, et al. **Minerva Chir** 1986 Sep 30;41(17–18):1417–25 (Eng. Abstr.) **(Ita)**

SECRETION

Analysis of conjugated and unconjugated bile acids in serum and jejunal fluid of normal subjects. Tangerman A, et al. **Clin Chim Acta** 1986 Sep 15;159(2):123–32

Regulatory mechanisms in endoluminal release of serotonin and substance P from feline jejunum. Gronstad K, et al. **Dig Dis Sci** 1987 Apr;32(4):393–400

Absence of secretory response in jejunal biopsy samples from children with cystic fibrosis [letter] Boyd CA. **Lancet** 1987 Aug 15;2(8555):389

Absence of secretory response in jejunal biopsy samples from children with cystic fibrosis [letter] Taylor CJ, et al. **Lancet** 1987 Jul 11;2(8550):107–8

SURGERY

Long-term results of pancreatojejunostomy in patients with chronic pancreatitis. Bradley EL 3d. **Am J Surg** 1987 Feb; 153(2):207–13

Encouraging results with a modified Sawaguchi hepatoportoenterostomy for biliary atresia. Canty TG Sr. **Am J Surg** 1987 Jul;154(1):19–26

Immediate postoperative jejunostomy feeding. Clinical and metabolic results in a prospective trial. Daly JM, et al. **Am J Surg** 1987 Feb;153(2):198–206

Indications for needle catheter jejunostomy in elective abdominal surgery. Heberer M, et al. **Am J Surg** 1987 Jun; 153(6):545–52

Intestinalization of pancreatic fragments in dogs: improvement in survival rate after acute segmental pancreatitis. Senninger N, et al. **Am J Surg** 1987 Apr; 153(4):364–8

Biliary enteric bypass for benign and malignant disease. Aranha GV, et al. **Am Surg** 1987 Jul;53(7):403–6

Feeding jejunostomy (versus gastrostomy) passes the test of time. Burtch GD, et al. **Am Surg** 1987 Jan;53(1):54–7

Gastrointestinal anastomoses. Factors affecting early complications. Jex RK, et al. **Ann Surg** 1987 Aug; 206(2):138–41

A prospective, randomized trial of abdominal wound drainage in gastric bypass surgery. Shaffer D, et al. **Ann Surg** 1987 Aug;206(2):134–7

A randomized prospective trial of gastric bypass versus vertical banded gastroplasty for morbid obesity and their effects on sweets versus non-sweets eaters. Sugerman HJ, et al. **Ann Surg** 1987 Jun;205(6):613–24

Delayed gastric emptying after palliative gastrojejunostomy for carcinoma of the pancreas. Doberneck RC, et al. **Arch Surg** 1987 Jul;122(7):827–9

Duodenojejunostomy for pancreatitis secondary to periampullary duodenal diverticula [letter] Shallman RW, et al. **Arch Surg** 1987 Jul;122(7):850–1

Description of a continent jejunal gastrostomy. Waxman K, et al. **Arch Surg** 1986 Oct;121(10):1121–4

Modified hepaticojejunostomy for permanent biliary access. Krige JE, et al. **Br J Surg** 1987 Jul;74(7):612–3

Effects of nutrients on gastrointestinal motility and gastric emptying after distal gastrectomy with Roux-Y gastrojejunostomy in dogs. Ehrlein HJ, et al. **Dig Dis Sci** 1987 May;32(5):538–46

Calcium absorption following small bowel resection in man. Evidence for an adaptive response. Colette C, et al. **Eur J Clin Invest** 1986 Aug;16(4):271–6

Motility in Roux-en-Y patients [letter] Vogel SB, et al. **Gastroenterology** 1987 Apr;92(4):1097–8

Percutaneous creation of a hepaticojejunostomy. Laffey KJ, et al. **Gastrointest Radiol** 1987;12(4):304–6

Effects of ileal interposition on body weight and intestinal morphology in dogs. Smithy WB, et al. **Int J Obes** 1986; 10(6):453–60

Early detection and treatment of a leaking gastrojejunostomy following gastric bypass. Ovnat A, et al. **Isr J Med Sci** 1986 Jul–Aug;22(7–8):556–8

A new technique for mucosal graft in hepaticojejunostomy for benign lesions of common bile duct. Panzera G. **Ital J Surg Sci** 1986;16(2):123–5

Early closure of enterostomy after exteriorization of the small intestine for abdominal catastrophies. Festen C, et al. **J Pediatr Surg** 1987 Feb;22(2):144–5

Enterostomy in necrotizing enterocolitis: an analysis of techniques and timing of closure. Musemeche CA, et al. **J Pediatr Surg** 1987 Jun;22(6):479–83

A four-year experience with needle catheter jejunostomy. Kalfarentzos F, et al. **J R Coll Surg Edinb** 1986 Jun; 31(3):156–7

Gastric emptying, glucose tolerance, and insulin response after duodenojejunostomy. Itani KM, et al. **J Surg Res** 1987 May;42(5):521–7

Colon bypass from the oral cavity. Vanker EA. **J Thorac Cardiovasc Surg** 1987 Jan;93(1):142–4

Jejunostomy or gastrostomy? Why the choice is clear for the physically and mentally incapacitated. Bogedain W. **Postgrad Med** 1987 Mar;81(4):116, 119, 122

Percutaneous transjejunal catheterization of Roux-en-Y biliary-jejunal anastomoses. Maroney TP, et al. **Radiology** 1987 Jul;164(1):151–3

Gastric hemorrhage complicating percutaneous transgastric jejunostomy. Rose DB, et al. **Radiology** 1986 Dec; 161(3):835–6

Low-fat versus medium-fat enteral diets. Effects on bile salt excretion in jejunostomy patients. Bosaeus I, et al. **Scand J Gastroenterol** 1986 Sep;21(7):891–6

Gastric emptying rate after gastric bypass and gastroplasty. Näslund I, et al. **Scand J Gastroenterol** 1987 Mar; 22(2):193–201

Needle-catheter jejunostomy for postoperative nutritional support. Strickland GF, et al. **South Med J** 1986 Nov; 79(11):1389–92

Balloon dilation facilitates stapling in esophagojejunostomy. Chung SC, et al. **Surg Gynecol Obstet** 1987 Jan;164(1):85–6

Progress in reconstruction after resection of the head of the pancreas. Funovics JM, et al. **Surg Gynecol Obstet** 1987 Jun;164(6):545–8

One stage hepaticocholecystojejunostomy as an easy and long term effective bilioenteric bypass for unresectable carcinoma of the pancreas. Koga A, et al. **Surg Gynecol Obstet** 1987 Aug;165(2):177–9

A secured technique for pancreatojejunal anastomosis in pancreaticoduodenectomy. Manabe T, et al. **Surg Gynecol Obstet** 1986 Oct;163(4):378–80

A simple method for palliative diversion of the bile in patients with obstructive jaundice due to perihilar tumors. Wolloch Y, et al. **Surg Gynecol Obstet** 1987 May;164(5):466–7

Pancreaticojejunostomy after Whipple's operation—in vivo evaluation of long-term patency: a preliminary report. Lai EC, et al. **Surgery** 1987 May;101(5):544–8

Effect of ileo-jejunal transposition on intestinal adaptation after total colectomy in dogs. Sasaki I, et al. **Tohoku J Exp Med** 1987 Apr;151(4):419–28

A simple technique for anastomosis of the pancreatic duct to the jejunum in dogs: implications for pancreas transplantation. Mann M, et al. **Transplant Proc** 1987 Apr; 19(2):2956–8

[Massive biliary tract hemorrhage after Roux-en-Y cholechojejunostomy and its treatment] Zhang QZ, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Mar;24(3):156–7, 188 (Eng. Abstr.) **(Chi)**

[Heterotopic segmental autotransplantation of the pancreas with digestive system anastomosis in the dog] Duron JJ, et al. **J Chir (Paris)** 1986 Nov;123(11):639–43 (Eng. Abstr.) **(Fre)**

[Experiences with catheter jejunostomy] Schopohl J, et al. **Beitr Infusionther Klin Ernahr** 1986;14:52–60 **(Ger)**

[Esophagojejunostomy—how safe is manual suture today?] Bittner R, et al. **Chirurg** 1987 Jan;58(1):43–5 (Eng. Abstr.) **(Ger)**

[Enveloping esophagojejunostomy within the scope of gastrectomy] Eigler FW, et al. **Chirurg** 1987 Jan;58(1):47–9 **(Ger)**

[Modified Whipple surgical procedure] Schopohl J, et al. **Chirurg** 1986 Aug;57(8):517–21 **(Ger)**

[Mediastinal pancreatic pseudocyst—treatment by cystojejunostomy] Stenzl W, et al. **Chirurg** 1987 Apr; 58(4):296–8 **(Ger)**

[Esophagojejunostomy: problems of anastomosis insufficiency] Hassler H, et al. **Schweiz Rundsch Med Prax** 1987 Apr 14;76(16):420–3 (Eng. Abstr.) **(Ger)**

[Experience with early postoperative feeding through a needle-catheter jejunostomy] Bodoky G, et al. **Orv Hetil** 1986 Sep 14;127(37):2251–2, 2355–6 (Eng. Abstr.) **(Hun)**

[Complete esophago-jejunal-duodenal recanalization after total gastrectomy for early gastric cancer. Technical note and initial results] Uberti E, et al. **Ann Ital Chir** 1986; 58(1):47–58 (Eng. Abstr.) **(Ita)**

[Liver scintigraphy using 99mTc-HIDA in the study of biliary-digestive anastomosis] Di Mauro S, et al. **Chir Ital** 1986 Oct;38(5):502–10 (Eng. Abstr.) **(Ita)**

[Reinterventions on bilio-digestive anastomoses] Donini I, et al. **Minerva Chir** 1987 Jun 30;42(12):1017–22 (Eng. Abstr.) **(Ita)**

[Duodenocephalopancreatectomy: personal modifications of Child's technic] Landi G, et al. **Minerva Chir** 1987 Jun 30;42(12):1097–100 (Eng. Abstr.) **(Ita)**

[Jejunostomy: technical note] Viotto A. **Minerva Chir** 1987 Jan 31;42(1–2):31–2 (Eng. Abstr.) **(Ita)**

[Intrahepatic cholangio-jejunostomy in patients with unresectable carcinoma of the biliary tract and pancreas] Nakamura S, et al. **Nippon Geka Gakkai Zasshi** 1987 Feb; 88(2):186–90 (Eng. Abstr.) **(Jpn)**

[Effect of surgical exclusion of the terminal segment of the jejunum on plasma lipid level in rabbits after administration of a cholesterol-fat diet] Michalak J, et al. **Pol Arch Weter** 1986;25(4):57–66 (Eng. Abstr.) **(Pol)**

[Digestive hemorrhage—a late complication of hepaticojejunal Roux-en-Y anastomosis] Machado MC, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Sep–Oct; 41(5):246–8 (Eng. Abstr.) **(Por)**

[A compression method of forming an esophago-intestinal anastomosis] Umarov AU, et al. **Grudn Khir** 1986 Sep–Oct; (5):63–6 (Eng. Abstr.) **(Rus)**

[Results of the use of duodenojejunostomy in patients with chronic duodenal obstruction] Postolov PM, et al. **Khirurgiia (Mosk)** 1986 Oct;(10):57–63 (Eng. Abstr.) **(Rus)**

[Reconstructive jejuno-gastroplasty in the dumping syndrome] Volobuev NN, et al. **Khirurgiia (Mosk)** 1986 Oct;(10):52–7 (Eng. Abstr.) **(Rus)**

[Cholecysto-digestive anastomosisin cancer of the pancreas and pseudotumor pancreatitis] Iareshko VG. **Klin Khir** 1987;(2):68 **(Rus)**

[Percutaneous stomas guided by laparoscopy] Garnica E, et al. **GEN** 1986 Jan–Mar;40(1):42–6 (Eng. Abstr.) **(Spa)**

[Intestinal obstruction by a phytobezoar (letter)] Berenguer González J, et al. **Rev Esp Enferm Apar Dig** 1987 Jun; 71(6):552–3 **(Spa)**

[Study of bilio-digestive anastomosis using isotopic monitoring] Gómez Martínez JM, et al. **Rev Esp Enferm Apar Dig** 1986 Dec;70(6):523–8 (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

Effect of radiotherapy on the outcome of pharyngeal reconstruction using free jejunal transfer. McCaffrey TV, et al. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb;96(1 Pt

1):22–5
Jejunal interposition for benign esophageal disease. Technical considerations and long-term results. Wright C, et al. **Ann Surg** 1987 Jan;205(1):54–60
Experimental assessment of free jejunal and colonic grafts of the esophagus. Smith RW, et al. **Arch Otolaryngol Head Neck Surg** 1987 Feb;113(2):187–92
Pharyngolaryngectomy reconstruction by revascularized free jejunal graft. Theile DE, et al. **Aust NZ J Surg** 1986 Nov; 56(11):849–52
Jejunum versus colon for free oesophageal reconstruction: an experimental radiological assessment. Smith RW, et al. **Br J Plast Surg** 1987 Mar;40(2):181–7
Free jejunal graft for reconstructing the pharynx and cervical esophagus. Wang TD, et al. **Chin Med J [Engl]** 1986 Dec; 99(12):941–4
Radiographic evaluation of the free jejunal graft. Torres WE, et al. **Gastrointest Radiol** 1987;12(3):226–30
Fetal intestinal transplants in syngeneic rats: a developmental model of intestinal immunity. Kantak AG, et al. **J Immunol** 1987 May 15;138(10):3191–6
Vascularizing the ischemic jejunum by intra-seromuscular implantation of a gastroepiploic vascular pedicle—an application of experimental esophageal reconstruction. Hirayama R, et al. **Jpn J Surg** 1987 May;17(3):162–7
The effects of size and site of origin of intestinal grafts on small-bowel transplantation in the rat. Kimura K, et al. **Surgery** 1987 May;101(5):618–22
[Use of the jejunal loop in esophageal resection] Pafko P. **Rozhl Chir** 1987 Jan;66(1):9–11 (Eng. Abstr.) **(Cze)**
[Hepatoduodenostomy by a retrogastric interposed jejunal loop. Apropos of 24 cases] Tchang TH, et al. **Ann Chir** 1986 May;40(4):281–2 (Eng. Abstr.) **(Fre)**
[Reconstruction of the cervical esophagus by the free transfer of a jejunal loop. An experimental study in dogs] Mustoe TA, et al. **Ann Otolaryngol Chir Cervicofac** 1986; 103(4):227–33 (Eng. Abstr.) **(Fre)**
[Choice of the 3d portion of the jejunum for reconstruction of the pharynx in circular pharyngolaryngectomies. Indications and advantages] Trotoux J, et al. **Ann Otolaryngol Chir Cervicofac** 1986;103(7):455–63 (Eng. Abstr.) **(Fre)**
[A new method of surgical voice rehabilitation: microsurgical jejunum transplantation] Piza H, et al. **Handchir Mikrochir Plast Chir** 1986 Sep;18(5):291–4 (Eng. Abstr.) **(Ger)**
[Value of free, microvascular anastomosis of a small intestine transplant in reconstructive surgery following resection of T4 tumors of the upper aerodigestive tract] Ehrenberger K, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Nov; 65(11):643–5 (Eng. Abstr.) **(Ger)**
[Allogeneic transplantation of the small intestine—animal experiments and a clinical retrospect] Luther B, et al. **Zentralbl Chir** 1987;112(10):657–72 (Eng. Abstr.) **(Ger)**
[Gastrectomy and small intestine interposition in the treatment of gastric cancer—results] da Silva AL, et al. **AMB** 1986 Mar–Apr;32(3–4):65–9 (Eng. Abstr.) **(Por)**

ULTRASTRUCTURE

Folate binding and hydrolysis by pig intestinal brush-border membranes. Reisenauer AM, et al. **Am J Physiol** 1986 Oct; 251(4 Pt 1):G481–6
Scanning electron microscopic determination of quantitative parameters of villi in the rat jejunum. Ono K, et al. **Anat Anz** 1987;163(3):277–80
Isolation of purified brush-border membranes from rat jejunum containing a Ca2+-independent phospholipase A2 activity. Pind S, et al. **Biochim Biophys Acta** 1987 Jul 10; 901(1):78–87
The passive permeability properties of in vivo perfused rat jejunum. Westergaard H. **Biochim Biophys Acta** 1987 Jun 12;900(1):129–38
A freeze-fracture study of the enteropathy associated with dermatitis herpetiformis: a comparative investigation with coeliac disease. Contini D, et al. **J Cutan Pathol** 1986 Aug; 13(4):293–300
Tight junctions of jejunal surface and crypt cells in celiac disease: a freeze-fracture study. Kohl D, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan–Feb;6(1):57–65
Morphological study of chicken cecal and jejunal mucosa during epithelial cell isolation. Ferrer R, et al. **Rev Esp Fisiol** 1986 Sep;42(3):349–53
[Intestinal mode of action of Saccharomyces boulardii (letter)] Chapoy P. **Gastroenterol Clin Biol** 1986 Dec; 10(12):860–1 **(Fre)**

JELLYFISH see under **COELENTERATA**

JELLYFISH VENOMS see **COELENTERATE VENOMS**

JERNE'S PLAQUE TECHNIC see **HEMOLYTIC PLAQUE TECHNIC**

JERUSALEM ARTICHOKE see **HELIANTHUS**

JEWS

see related
JUDAISM

Incidence of idiopathic ulcerative colitis in Jewish population subgroups in the Beer Sheva region of Israel. Odes HS, et al. **Am J Gastroenterol** 1987 Sep;82(9):854–8
Sandhoff disease heterozygote detection: a component of population screening for Tay-Sachs disease carriers. II. Sandhoff disease gene frequencies in American Jewish and non-Jewish populations. Cantor RM, et al. **Am J Hum Genet** 1987 Jul;41(1):16–26
Mental illness in Jerusalem [letter] **Am J Psychiatry** 1987 Jun;144(6):835–7
Distribution of treated mental illness in the neighborhoods of Jerusalem. Rahav M, et al. **Am J Psychiatry** 1986 Oct; 143(10):1249–54
HLA-Dw clusters associated with DR4 in Israeli Jews and the definition of a new DR4 associated Dw subtype: Dw"SHA". Cohen N, et al. **Hum Immunol** 1987 Jul; 19(3):179–88
Does grand multiparity affect fetal outcome? Seidman DS, et al. **Int J Gynaecol Obstet** 1987 Feb;25(1):1–7
Hypertension in European immigrants to Israel—the possible effect of the holocaust. Aviram A, et al. **Isr J Med Sci** 1987 Apr;23(4):257–63
Incidence and prevalence of ulcerative colitis in the Jewish population of Jerusalem. Jacobsohn WZ, et al. **Isr J Med Sci** 1986 Jul–Aug;22(7–8):559–63
Pregnancy, diabetes, and Jewish dietary law: the challenge for the pregnant diabetic woman who keeps kosher. Nelson MS, et al. **J Am Diet Assoc** 1987 Aug;87(8):1054–7
Leukopenia in Ethiopian Jews [letter] Berrebi A, et al. **N Engl J Med** 1987 Feb 26;316(9):549
Hb Kokura alpha 2 47 (CE5) Asp——Gly beta 2 in a French Jewish family. Delanoé-Garin J, et al. **Nouv Rev Fr Hematol** 1986;28(5):321–2
Religious observance and plasma lipids and lipoproteins among 17-year-old Jewish residents of Jerusalem. Friedlander Y, et al. **Prev Med** 1987 Jan;16(1):70–9
Distributions of total cholesterol, triglycerides, and high-density lipoprotein cholesterol in Israeli Jewish children of different geographic-ethnic origins, ages 9–17 years. Zahavi I, et al. **Prev Med** 1987 Jan;16(1):35–51
Patterns of mortality and causes of death among Rhode Island Jews, 1979–1981. Goldstein A. **Soc Biol** 1986 Spring-Summer;33(1–2):87–101

CLASSIFICATION

Frequency of carriers of chronic (type I) Gaucher disease in Ashkenazi Jews. Matoth Y, et al. **Am J Med Genet** 1987 Jul;27(3):561–5

HISTORY

Genetic history: I. The Schneersons of Lubavich. Hecht F, et al. **Clin Genet** 1987 Jul;32(1):70–4
[Jewish physicians in Berlin. A medical history sketch for the 1987 Berlin anniversary] Berndt H, et al. **Z Arztl Fortbild (Jena)** 1987;81(1):37–41 **(Ger)**
[Martyrology of physicians in the city of Tomaszów Mazowiecki (1939–1945)] Wojniłowicz J. **Przegl Lek** 1987; 44(1):85–8 **(Pol)**

PSYCHOLOGY

Family environment, adjustment, and coping among children of Holocaust survivors: a comparative investigation. Rose SL, et al. **Am J Orthopsychiatry** 1987 Jul;57(3):332–44
Health beliefs and hypertension: a case-control study in a Moroccan Jewish community in Israel. Greenfield SF, et al. **Cult Med Psychiatry** 1987 Mar;11(1):79–95
Thoughts on meeting in Germany [letter] Kafka JS. **J Am Psychoanal Assoc** 1985;33(4):972–4
Aspects of identity development among nouveaux religious patients. Spero MH. **Psychoanal Study Child** 1986; 41:379–416
[From the National Socialist time] Bourgeon M. **Prax Kinderpsychol Kinderpsychiatr** 1986 Aug–Sep; 35(6):222–8 (Eng. Abstr.) **(Ger)**
[Psychoanalysis and anti-Semitism] Claussen D. **Psyche (Stuttg)** 1987 Jan;41(1):1–21 (Eng. Abstr.) **(Ger)**
[Sequelae of Nazi persecution in Jewish descendants of survivors in West Germany] Grünberg K. **Psyche (Stuttg)** 1987 Jun;41(6):492–507 (Eng. Abstr.) **(Ger)**

JIMSONWEED see **STRAMONIUM**

JIRD see **GERBILLINAE**

JOB APPLICATION see under **PERSONNEL MANAGEMENT**

JOB DESCRIPTION see under **PERSONNEL MANAGEMENT**

JOB SATISFACTION

see related
EMPLOYMENT

Work expectations and organizational attachment of hospital pharmacists. Stewart JE, et al. **Am J Hosp Pharm** 1987 May;44(5):1105–10
What keeps nurses in nursing? Huey FL. **Am J Nurs** 1987 Jun;87(6):809–12
Pharmacists in national associations more satisfied with work, Schering report shows. **Am Pharm** 1986 Nov; NS26(11):12,14
Women and gender in research on work and family stress. Baruch GK, et al. **Am Psychol** 1987 Feb;42(2):130–6
Factors affecting general job satisfaction of caregivers in nursing homes. Shimizu Y, et al. **Ann Acad Med Singapore** 1987 Jan;16(1):137–40
Specific occupational satisfaction and stresses that differentiate paid and volunteer EMTs. Allison EJ Jr, et al. **Ann Emerg Med** 1987 Jun;16(6):676–9
Satisfaction with practices: emergency physicians versus internists. Murphy JG, et al. **Ann Emerg Med** 1987 Mar; 16(3):277–83
Is academic otolaryngology fun? Meyers AD. **Arch Otolaryngol Head Neck Surg** 1987 Jun;113(6):601–2
Motivational factors that affect the retention of reserve nurses in eight aeromedical evacuation flights. Janelli LM, et al. **Aviat Space Environ Med** 1987 Apr;58(4):375–8
Job satisfaction, mental health, and job stressors among general dental practitioners in the UK. Cooper CL, et al. **Br Dent J** 1987 Jan 24;162(2):77–81
What stresses health professionals? A coding system for their answers. Firth J, et al. **Br J Clin Psychol** 1986 Nov;25 (Pt 4):309–10
Dimensions of occupational stress in West Indian secondary school teachers. Payne MA, et al. **Br J Educ Psychol** 1987 Jun;57 (Pt 2):141–50
Child abuse potential and work satisfaction in day-care employees. Atten DW, et al. **Child Abuse Negl** 1987; 11(1):117–23
Managers and staff improve quality of working life. McColl CM. **Dimens Health Serv** 1987 Feb;64(1):37–9
Characteristics and job satisfaction of family physicians in full-time teaching. Garr DR. **Fam Med** 1986 Sep–Oct; 18(5):269–73
Behavioral scientists: anticipations, satisfactions, and frustrations. Wolosin RJ. **Fam Med** 1987 Jul–Aug; 19(4):296–8
Effect of job satisfaction on stress, performance and health in self-paced repetitive work. Rahman M, et al. **Int Arch Occup Environ Health** 1987;59(2):115–21
The newly hired hospital staff nurse's professionalism, satisfaction and alienation. Ahmadi KS, et al. **Int J Nurs Stud** 1987;24(2):107–21
Job satisfaction and organizational change in a maternity hospital. Metcalf CA. **Int J Nurs Stud** 1986;23(4):285–98
Comparison of junior and senior dental hygiene students' anxiety and dental stressors. Cecchini JJ, et al. **Int J Psychosom** 1987;34(1):26–8
Job satisfaction among Jordanian registered nurses. Zuraikat N, et al. **Int Nurs Rev** 1986 Sep–Oct;33(5):143–7
The relationship between burnout and job satisfaction in nurses. Dolan N. **J Adv Nurs** 1987 Jan;12(1):3–12
Career satisfaction in optometry [editorial] Bartlett JD. **J Am Optom Assoc** 1986 Nov;57(11):799–800
Employee stock ownership and employee attitudes: a test of three models. Klein KJ. **J Appl Psychol** 1987 May; 72(2):319–32
Occupational stress: its causes and consequences for job performance. Motowidlo SJ, et al. **J Appl Psychol** 1986 Nov;71(4):618–29
Job-related stress, social support, and burnout among classroom teachers. Russell DW, et al. **J Appl Psychol** 1987 May;72(2):269–74
Work satisfaction and career aspirations of internists working in teaching hospital group practices. Linn LS, et al. **J Gen Intern Med** 1986 Mar–Apr;1(2):104–8
Production feedback and standards as determinants of worker productivity, satisfaction and job attitudes. Das B. **J Hum Ergol (Tokyo)** 1986 Dec;15(2):113–22
Performance, stress and strains in self-paced repetitive work. Rahman M. **J Hum Ergol (Tokyo)** 1986 Dec;15(2):123–30
The effect of social support and the work environment upon burnout among nurses. Constable JF, et al. **J Human Stress** 1986 Spring;12(1):20–6
Type A behavior and job performance: some suggestive findings. Jamal M. **J Human Stress** 1985 Summer;11(2):60–8
Blood pressure variations during a working day at age 28: effects of different types of work and blood pressure level at age 18. Theorell T, et al. **J Human Stress** 1985 Spring; 11(1):36–41
Comparison of mood changes and satisfaction among first-year medical residents in three programs. Gordon GH, et al. **J Med Educ** 1987 May;62(5):428–30
Innovative retention strategies for nursing staff. Hinshaw AS, et al. **J Nurs Adm** 1987 Jun;17(6):8–16
Relocation: the impact on staff nurses. Ireson CL, et al. **J Nurs Adm** 1987 May;17(5):15–20
The impact of expectations on faculty job satisfaction. Christian PL. **J Nurs Educ** 1986 Nov;25(9):378–83
Perceived role conflict, role ambiguity, and job satisfaction among nurse educators. Fain JA. **J Nurs Educ** 1987 Jun; 26(6):233–8
Job stress, mental health, and accidents among offshore workers in the oil and gas extraction industries. Cooper CL, et al. **J Occup Med** 1987 Feb;29(2):119–25
Type A behavior and occupational stress: a cross-cultural study of blue-collar workers. Evans GW, et al. **J Pers Soc Psychol** 1987 May;52(5):1002–7
Multiple roles, social networks, and women's well-being. Hirsch BJ, et al. **J Pers Soc Psychol** 1986 Dec;51(6):1237–47
Individual and common components of the social environment at work and psychological well-being. Repetti RL. **J Pers Soc Psychol** 1987 Apr;52(4):710–20
Faculty perceptions of organizational climate and expressed

job satisfaction in selected baccalaureate schools of nursing. Donohue JD. **J Prof Nurs** 1986 Nov–Dec;2(6):373–9
Type A behaviour, education and psychosocial work characteristics in relation to ischemic heart disease—a case control study of young survivors of myocardial infarction. Orth-Gomér K, et al. **J Psychosom Res** 1986;30(6):633–42
Characteristics of employment and job satisfaction in nontraditional dental hygiene practice settings. Cohen L, et al. **J Public Health Dent** 1987 Spring;47(2):88–93
Effect of stress on performance of high school principals. Ehiametalor ET, et al. **J R Soc Health** 1987 Apr; 107(2):68–9
Professional satisfaction and client outcomes. A reanalysis. Hays RD, et al. **Med Care** 1987 Mar;25(3):259–64
Stress, social support, and health of psychiatric technicians in a state facility. Browner CH, et al. **Ment Retard** 1987 Feb;25(1):31–8
Validation of a job satisfaction instrument for residential-care employees. Sluyter GV, et al. **Ment Retard** 1986 Aug; 24(4):223–7
Satisfactions and dissatisfactions of part-time faculty. Feldman RB, et al. **Nurs Outlook** 1987 Jan–Feb;35(1):16–9
Job satisfaction among academic coordinators of clinical education in physical therapy. Harris MJ, et al. **Phys Ther** 1987 Jun;67(6):958–63
Reliability of a multidimensional locus of control construct for older adults anticipating transitions in careers. Prichard KK, et al. **Psychol Rep** 1986 Oct;59(2 Pt 2):1007–12
Interests and specialty choice in medicine. Meir EI, et al. **Soc Sci Med** 1986;23(5):527–30
The worker's perspective. Rudolph L. **State Art Rev Occup Med** 1986 Jul–Sep;1(3):487–95 (18 ref.)
[Psychological aspects in the analysis and evaluation of work activities in occupational medicine] Meister W, et al. **Z Gesamte Hyg** 1986 Aug;32(8):486–8 (Eng. Abstr.) **(Ger)**
[Combined effect of selected parameters of climate and noise on job performance and stress] Rentzsch M, et al. **Z Gesamte Hyg** 1986 Aug;32(8):483–5 (Eng. Abstr.) **(Ger)**

JOB'S SYNDROME see under **PHAGOCYTE BACTERICIDAL DYSFUNCTION**

JOGGING see under **RUNNING**

JOHNE'S DISEASE see **PARATUBERCULOSIS**

JOINT COMMISSION ON ACCREDITATION OF HOSPITALS see under **ACCREDITATION**

JOINT DISEASES

BLOOD

Vitamin E content and lipid peroxidation of blood in some chronic inflammatory diseases. Mézes M, et al. **Acta Physiol Hung** 1987;69(1):133–8
Serum biochemistry in rheumatoid arthritis, seronegative arthropathies, osteoarthritis, SLE and normal subjects. Sitton NG, et al. **Br J Rheumatol** 1987 Apr;26(2):131–5

CHEMICALLY INDUCED

Nalidixic acid in children: retrospective matched controlled study for cartilage toxicity. Schaad UB, et al. **Infection** 1987 May–Jun;15(3):165–8
Severe arthralgias after wide fluctuation in corticosteroid dosage. Kahl L, et al. **J Rheumatol** 1986 Dec;13(6):1063–5
Skeletal fluorosis in humans: a review of recent progress in the understanding of the disease. Krishnamachari KA. **Prog Food Nutr Sci** 1986;10(3–4):279–314 (128 ref.)
[Chronic musculo-skeletal disorders in workers working with electrolytic extraction of aluminum] Jurić M, et al. **Arh Hig Rada Toksikol** 1986 Sep;37(3):347–51 (Eng. Abstr.) **(Scr)**

COMPLICATIONS

Infections of bones and joints in children. Fink CW, et al. **Arthritis Rheum** 1977 Mar;20(2 Suppl):578–83
Crystal shedding in septic arthritis: case reports and in vivo evidence in an animal model. Gordon TP, et al. **Aust NZ J Med** 1986 Jun;16(3):336–40
Clinical and echocardiographic assessment in juvenile-onset spondyloarthropathy [letter] Gerster JC, et al. **Br J Rheumatol** 1987 Apr;26(2):155–6
Jaccoud's arthropathy in adult dermatomyositis. Bradley JD. **Clin Exp Rheumatol** 1986 Jul–Sep;4(3):273–6 (22 ref.)
Diabetic retinopathy and its association with limited joint mobility. Haitas B, et al. **Horm Metab Res** 1986 Nov; 18(11):765–7
Pseudovisceral pain due to posterior joint pathology in the dorsolumbar spine. Mollica Q, et al. **Ital J Orthop Traumatol** 1986 Dec;12(4):467–71
Aggressive polyfibromatosis. Fenton DA, et al. **J R Soc Med** 1986 Aug;79(8):482–3
Diabetic microangiopathy and joint disorders [letter] Lindegård B. **Lancet** 1987 Sep 5;2(8558):576
[Treatment of tinnitus with the TENS stimulator in cervico-arthrosis patients. Preliminary results] Giordano C, et al. **Minerva Med** 1987 Jun 30;78(12):861–4 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Potential contrast agents for MR arthrography: in vitro evaluation and practical observations. Hajek PC, et al. **AJR** 1987 Jul;149(1):97–104
MR imaging of the musculoskeletal system: current and future status. Sartoris DJ, et al. **AJR** 1987 Sep; 149(3):457–67
Orthopaedic problems in the elderly. Clark DW, et al. **Ann Acad Med Singapore** 1987 Jan;16(1):58–65
Non-Hodgkin's lymphoma of the synovium simulating rheumatoid arthritis. Dorfman HD, et al. **Arthritis Rheum** 1987 Feb;30(2):155–61
Synovial fluid analysis for diagnosis of amyloid arthropathy. Lakhanpal S, et al. **Arthritis Rheum** 1987 Apr;30(4):419–23
Synovial hemangioma of the knee joint—a case report. Boe S. **Arthroscopy** 1986;2(3):178–80
Synovial haemangioma of the knee joint: diagnosis by arthroscopy. Paley D, et al. **Arthroscopy** 1986;2(3):174–7
Diagnostic criteria (new and old) for the spondylarthropathies [editorial] Calin A. **Clin Exp Rheumatol** 1987 Apr–Jun;5(2):101–2
The diagnostic potential of vibration arthrography. Kernohan WG, et al. **Clin Orthop** 1986 Sep;(210):106–12
Cytologic examination of synovial fluid. Villanueva TG, et al. **Diagn Cytopathol** 1987 Jun;3(2):141–7
Ultrasonography in the study of pathological conditions of the hip. Baratelli M, et al. **Ital J Orthop Traumatol** 1986 Jun;12(2):233–7
Accuracy of diagnostic arthroscopy of the ankle joint. Fallat LM. **J Foot Surg** 1987 Jan–Feb;26(1):26–32
Diabetic osteoarthropathy versus diabetic osteomyelitis. Hart TJ, et al. **J Foot Surg** 1986 Nov–Dec;25(6):464–8
Review of diagnostic arthroscopy of the foot and ankle. Lundeen RO. **J Foot Surg** 1987 Jan–Feb;26(1):33–6
Problems of the second metatarsophalangeal joint. Thompson FM, et al. **Orthopedics** 1987 Jan;10(1):83–9
Diseases of the developing hip joint. Chung SM. **Pediatr Clin North Am** 1986 Dec;33(6):1457–73
Knee problems in children. Smith JB. **Pediatr Clin North Am** 1986 Dec;33(6):1439–56
The patient with aches and pains. The general internist's approach. White RH. **Postgrad Med** 1987 Apr;81(5):216–22, 225–6
Infections of the musculoskeletal system: high-field-strength MR imaging. Beltran J, et al. **Radiology** 1987 Aug; 164(2):449–54
MR arthrography: anatomic-pathologic investigation. Hajek PC, et al. **Radiology** 1987 Apr;163(1):141–7
Magnetic resonance imaging: a review of rheumatologic applications. Steinbach L, et al. **Semin Arthritis Rheum** 1986 Nov;16(2):79–91 (14 ref.)
[Perspectives in nuclear magnetic resonance in osteoarticular pathology] Chevrot A, et al. **Presse Med** 1987 Jul 11–18; 16(27):1305–6 **(Fre)**
[Alizarin red staining of articular fluids. Comparison of the results with electron microscopy and clinical data] Bardin T, et al. **Rev Rhum Mal Osteoartic** 1987 Feb;54(2):149–54 (Eng. Abstr.) **(Fre)**
[Magnetic resonance imaging in rheumatology] Lavieille J, et al. **Rev Rhum Mal Osteoartic** 1986 Nov;53(11):631–8 (Eng. Abstr.) **(Fre)**
[The general practitioner facing a painful knee] Quadri P, et al. **Schweiz Rundsch Med Prax** 1986 Dec 2;75(49):1495–9 (Eng. Abstr.) **(Fre)**
[Analysis of the synovial fluid] Sinniger M. **Schweiz Rundsch Med Prax** 1987 Jan 13;76(3):35–6 **(Fre)**
[Joint changes in tumor diseases] Weinbergová O, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;111:275–9 **(Ger)**
[Initial experiences with sonography of the knee joint] Höhle M, et al. **Beitr Orthop Traumatol** 1986 Aug;33(8):394–402 (Eng. Abstr.) **(Ger)**
[Possibilities for using sonography for the locomotor system] Merk H. **Beitr Orthop Traumatol** 1986 Jul;33(7):347–54 (Eng. Abstr.) **(Ger)**
[The quality of primary care of rheumatic diseases in childhood] Hussein A, et al. **Dtsch Med Wochenschr** 1987 Feb 20;112(8):291–7 (Eng. Abstr.) **(Ger)**
[Diagnosis in inflammatory joint diseases] Wirth W. **Dtsch Med Wochenschr** 1987 Jun 12;112(24):967–9 **(Ger)**
[Importance of rapid gradient echo sequences for nuclear magnetic tomographic diagnosis of joint diseases] König H, et al. **ROFO** 1986 Sep;145(3):307–10 (Eng. Abstr.) **(Ger)**
[Impingement syndrome of the shoulder] Kujat R. **Unfallchirurg** 1986 Sep;89(9):409–17 (Eng. Abstr.) **(Ger)**
[The frozen shoulder—results of a 10-year study] Ankermann KJ, et al. **Z Arztl Fortbild (Jena)** 1986;80(23):975–80 **(Ger)**
[Brügger acromioclavicular joint syndrome] Taubert K, et al. **Z Arztl Fortbild (Jena)** 1987;81(5):237–8 **(Ger)**
[Pseudothrombophlebitic syndrome in arthropathies of the knee] Nervetti A, et al. **Recenti Prog Med** 1986 Oct; 77(10):481–5 (Eng. Abstr.) **(Ita)**
[Measurement of knee joint sounds by microphone] Inoue J, et al. **Sangyo Ika Daigaku Zasshi** 1986 Sep 1;8(3):307–16 (Eng. Abstr.) **(Jpn)**
[Ultrasound and orthopedics. Diagnostic aid] Terjesen T. **Tidsskr Nor Laegeforen** 1986 Aug 30;106(24):1953–6, 1946 (Eng. Abstr.) **(Nor)**
[Adrenal neuroblastoma masked by rheumatoid arthritis] Gemke GR, et al. **Klin Med (Mosk)** 1987 Feb;65(2):119–21 **(Rus)**
[Method of tremor goniography and its clinical information value] Efimov AP. **Ortop Travmatol Protez** 1986 Aug; (8):60–2 **(Rus)**
[Methodological bases for the telethermodiagnosis of diseases and injuries of the locomotor apparatus] Ternovol NK, et al. **Ortop Travmatol Protez** 1986 Sep;(9):16–21 **(Rus)**
[The tumor form of pigmented villonodular synovitis] Zatsepin ST, et al. **Ortop Travmatol Protez** 1987 Apr; (4):48–51 (Eng. Abstr.) **(Rus)**
[Telethermography and its use in thermography] Shadrin SA, et al. **Pediatriia** 1987;(2):72–6 **(Rus)**
[Characteristics of the course of osteoarthropathy in a diabetic patient] Perelygina AA, et al. **Probl Endokrinol (Mosk)** 1986 Jul–Aug;32(4):53–4 **(Rus)**
[Clinical features of different forms of yersinia infections] Novikov PL, et al. **Revmatologiia (Moskva)** 1986 Oct–Dec; (4):26–30 (Eng. Abstr.) **(Rus)**
[Blood serum proteinase inhibitors in joint diseases] Rudenko VG, et al. **Vrach Delo** 1986 Dec;(12):32–5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Treatment of bone, joint, and soft-tissue infections with oral ciprofloxacin. Greenberg RN, et al. **Antimicrob Agents Chemother** 1987 Feb;31(2):151–5
Paracetamol and diclofenac in the painful shoulder syndrome [letter] Ward MC, et al. **Br J Rheumatol** 1986 Nov;25(4):412
Coccidioides immitis infections in bones and joints. Bried JM, et al. **Clin Orthop** 1986 Oct;(211):235–43
Oxaprozin. A preliminary review of its pharmacodynamic and pharmacokinetic properties, and therapeutic efficacy. Todd PA, et al. **Drugs** 1986 Oct;32(4):291–312 (78 ref.)
Use of phenylbutazone in locomotor and vascular diseases. Udvardi G. **Ther Hung** 1984;32(3):130–3
[Cutaneous and articular sarcoidosis. Improvement by PUVA therapy (letter)] Courtois JM, et al. **Presse Med** 1987 Jul 11–18;16(27):1334–5 **(Fre)**
[Effect of Collagenan on joint disease associated with collagenous colitis (letter)] Maroy B. **Presse Med** 1986 Nov 8;15(39):1974 **(Fre)**
[Drug therapy of arthroses] Felder M, et al. **Orthopade** 1986 Sep;15(5):379–87 (57 ref.) (Eng. Abstr.) **(Ger)**
[Comparative clinical study of tiaprofenic acid and lysine acetylsalicylate in aged osteoarthrosis patients] Viara M, et al. **Minerva Med** 1987 Jun 30;78(12):865–70 (Eng. Abstr.) **(Ita)**
[Use of Kenalog-40 in treating degenerative-dystrophic diseases of the locomotor apparatus] Mizak ST, et al. **Vestn Khir** 1986 Jul;137(7):91–4 (Eng. Abstr.) **(Rus)**
[Treatment of osteoarticular brucellosis (letter)] Vesga Carasa JC, et al. **Rev Clin Esp** 1987 Feb;180(3):178 **(Spa)**

ENZYMOLOGY

Milwaukee shoulder—synovial fluid contains no active collagenase [letter] Cawston TE, et al. **Br J Rheumatol** 1987 Aug;26(4):311–2

ETIOLOGY

Histological and histochemical skin changes in insulin-dependent diabetic patients with and without limited joint mobility. Vera M, et al. **Acta Diabetol Lat** 1987 Apr–Jun;24(2):101–8
Arthropathy in haemodialysed patients. Löcsey L, et al. **Acta Med Hung** 1986;43(4):413–22
Synovial osteochondromatosis. Alexander JE, et al. **Am Fam Physician** 1987 Feb;35(2):157–61
Bone and joint changes in the wrists and elbows and their association with hand and arm vibration exposure. Malchaire J, et al. **Ann Occup Hyg** 1986;30(4):461–8
Amyloid arthropathy in patients with chronic renal failure [letter] Huaux JP, et al. **Ann Rheum Dis** 1986 Oct; 45(10):878–9
Amyloid arthropathy in haemodialysed patients [letter] Muñoz-Gomez J, et al. **Ann Rheum Dis** 1986 Oct; 45(10):879–80
Arthropathy and cutaneous calcinosis in hemodialysis oxalosis. Reginato AJ, et al. **Arthritis Rheum** 1986 Nov; 29(11):1387–96
Human parvovirus infection with arthropathy [letter] MacAulay JC. **Br J Dermatol** 1987 Jun;116(6):883–4
Synovial involvement in Hodgkin's disease. Barton A, et al. **Br J Rheumatol** 1986 Nov;25(4):391–2
Dialysis arthropathy: amyloid or iron? Cary NR, et al. **Br Med J [Clin Res]** 1986 Nov 29;293(6559):1392–4
Conversion of hip fusion to Charnley low-friction arthroplasty. Hardinge K, et al. **Clin Orthop** 1986 Oct; (211):173–9
Limited joint mobility and other rheumatological manifestations in diabetic patients. Sukenik S, et al. **Diabete Metab** 1987 Jun;13(3):187–92
Limited finger joint mobility in insulin-dependent and non-insulin-dependent Ethiopian diabetics. Mengistu M, et al. **Diabetic Med** 1985 Sep;2(5):387–9
Bone and joint disorders in the upper extremities of chipping and grinding operators. Bovenzi M, et al. **Int Arch Occup Environ Health** 1987;59(2):189–98
Factors associated with clinical reactions to rubella vaccination in women. Nakazono N, et al.

Int J Gynaecol Obstet 1987 Jun;25(3):207–16

The articular diversity of early haemochromatosis. de Jonge-Bok JM, et al. **J Bone Joint Surg [Br]** 1987 Jan; 69(1):41–4

Metatarsus primus elevatus and the etiology of hallux rigidus. Meyer JO, et al. **J Foot Surg** 1987 May–Jun;26(3):237–41

Destructive spondyloarthropathy in chronic haemodialysis patients. Current data and radiological aspects. Deramond H, et al. **J Neuroradiol** 1987;14(1):27–38 **(Eng, Fre)**

Arthralgia from parvovirus infection [letter] [published erratum appears in J R Coll Gen Pract 1986 Aug;36(289):386] Rowlands S. **J R Coll Gen Pract** 1986 Jun;36(287):288, 290

Acromegalic arthropathy: a reversible rheumatic disease [letter] Melo-Gomes JA, et al. **J Rheumatol** 1987 Apr; 14(2):393–4

Diabetic skin, joints, and eyes—how are they related? [editorial] **Lancet** 1987 Aug 8;2(8554):313–4

Germs and joints [letter] Van Bohemen CG, et al. **Lancet** 1986 Dec 13;2(8520):1400–1

Urinary tract sequelae: possible influence on joint infections following total joint replacement. Ritter MA, et al. **Orthopedics** 1987 Mar;10(3):467–9

Limited joint mobility in adults with diabetes mellitus. Shinabarger NI. **Phys Ther** 1987 Feb;67(2):215–8

Enteropathic arthropathies. Björkengren AG, et al. **Radiol Clin North Am** 1987 Jan;25(1):189–98

[Para-articular calcinosis of soft tissues in dialyzed patients] Janda J. **Cesk Patol** 1987 Mar;23(1):66–71 (Eng. Abstr.) **(Cze)**

[Old age and joint disease] d'Harcourt G, et al. **Biomed Pharmacother** 1987;41(3):126–31 (Eng. Abstr.) **(Fre)**

[Osteoarticular manifestations of thalassemia] Leleu JP, et al. **Bull Soc Pathol Exot Filiales** 1986;79(5 Pt 2):777–84 (Eng. Abstr.) **(Fre)**

[Spondyloepiphyseal dysplasia tarda with progressive arthropathy. Apropos of 3 cases] Miladi M, et al. **Int Orthop** 1987;11(3):271–5 (Eng. Abstr.) **(Fre)**

[Current aspects of the osteoarticular pathology of hemodialysis patients. Results and discussion of a rheumatological survey] Foissac-Gegoux P, et al. **Nephrologie** 1986;7(4):157–63 (Eng. Abstr.) **(Fre)**

[Arthropathies of patients on hemodialysis for more than 10 years: retrospective study] Vaca Diez Busch H, et al. **Nephrologie** 1986;7(4):165–9 (Eng. Abstr.) **(Fre)**

[The locomotor system and phlebology in the aged subject] Herlemont P. **Phlebologie** 1986 Oct-Dec;39(4):821–4 **(Fre)**

[Amyloidosis in hemodialysis patients] Bardin T, et al. **Presse Med** 1987 May 16;16(18):907–10 (38 ref.) (Eng. Abstr.) **(Fre)**

[Joint diseases in dialyzed patients] Benhamou CL. **Presse Med** 1987 Mar 7;16(8):373–4 **(Fre)**

[Arthropathies of the limbs in dialyzed renal failure patients] Benhamou CL, et al. **Presse Med** 1987 Jan 31;16(3):119–22 (Eng. Abstr.) **(Fre)**

[Acne-pustulosis-hyperostosis-osteitis syndrome. Results of a national survey. 85 cases] Chamot AM, et al. **Rev Rhum Mal Osteoartic** 1987 Mar;54(3):187–96 (Eng. Abstr.) **(Fre)**

[Arthralgias, cutaneous lesions and Raynaud's syndrome associated with myxoma of the left atrium] Crouzet J, et al. **Rev Rhum Mal Osteoartic** 1987 May;54(5):431–3 **(Fre)**

[Current aspects of osteoarticular pathology of hemodialyzed patients. Study of a population of 80 patients] Hardouin P, et al. **Rev Rhum Mal Osteoartic** 1987 Jun;54(6):469–73 (Eng. Abstr.) **(Fre)**

[Articular manifestations of Behçet's disease. Apropos of 65 cases] Imbert I, et al. **Rev Rhum Mal Osteoartic** 1987 Feb; 54(2):93–6 (Eng. Abstr.) **(Fre)**

[Articular and periarticular manifestations of chronic hemodialysis in the adult] Wendling D, et al. **Rev Rhum Mal Osteoartic** 1986 Dec;53(12):715–21 (58 ref.) **(Fre)**

[Osteoarticular manifestations of scleroderma. Apropos of 14 cases] Kchir MM, et al. **Tunis Med** 1986 Mar;64(3):221–4 (Eng. Abstr.) **(Fre)**

[Longitudinal study of the effect of physical stress on the locomotor system] Grube MR. **Z Gesamte Hyg** 1986 Sep; 32(9):564–5 (Eng. Abstr.) **(Ger)**

[Articular involvement during an outbreak of brucellosis] Weiner P, et al. **Harefuah** 1986 Oct;111(7–8):168–9 (Eng. Abstr.) **(Heb)**

[Schönlein-Henoch syndrome. Description of a rarely reported case of intestinal perforation and a case with possible sequelae of acute recurrent synovitis type] Bonenti G, et al. **Minerva Pediatr** 1986 Oct 15;38(19):867–71 (Eng. Abstr.) **(Ita)**

[Pain and disorders caused by mechanical stress] Alho A. **Tidsskr Nor Laegeforen** 1986 Nov 20;106(32):2712–4, 2711 (Eng. Abstr.) **(Nor)**

[Degenerative and dystrophic joint lesions in hemophilia patients] Skliarenko LE. **Ortop Travmatol Protez** 1986 Sep; (9):36–9 **(Rus)**

[Pulmonary histoplasmosis associated with osteoarticular manifestations. Apropos of a case and bibliographical review] Medina Varo F, et al. **Med Clin (Barc)** 1986 Dec 13;87(20):855–7 (Eng. Abstr.) **(Spa)**

[Amyloid arthropathy in hemodialysis patients (editorial)] Muñoz Gómez J. **Med Clin (Barc)** 1987 Feb 7;88(5):192–4 **(Spa)**

[Tumor calcinosis in chronic renal insufficiency] Caballero P, et al. **Rev Clin Esp** 1986 Jul;179(3):138–41 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

An autopsy case of a syndrome with muscular atrophy, decreased subcutaneous fat, skin eruption and hyper gamma-globulinemia: peculiar vascular changes and muscle fiber degeneration. Oyanagi K, et al. **Acta Neuropathol (Berl)** 1987;73(4):313–9

New syndrome: familial proportionate short stature, intrauterine growth retardation, and recurrent locking of the fingers. Eng CE, et al. **Am J Med Genet** 1987 Jan; 26(1):217–20

HLA antigens in human parvovirus arthropathy [letter] Dykmans BA, et al. **J Rheumatol** 1986 Dec;13(6):1192–3

[Muckle-Wells syndrome or association of joint pain attacks, urticarial outbreaks and sensory deafness?] Serratrice G, et al. **Rev Rhum Mal Osteoartic** 1987 Feb;54(2):105–8 (Eng. Abstr.) **(Fre)**

METABOLISM

High production of type VI collagen in multiple fibromatosis with multiple articular dysplasia. Murata K, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):275–81

Synovial-fluid beta 2-microglobulin levels in dialysis arthropathy [letter] Sethi D, et al. **N Engl J Med** 1986 Nov 27;315(22):1419–20

Proteoglycans of articular cartilage in Mseleni joint disease. Sweet MB, et al. **S Afr Med J** 1987 Mar 7;71(5):317–9

Synovial fluid lipid abnormalities in various disease states: review and classification. Wise CM, et al. **Semin Arthritis Rheum** 1987 Feb;16(3):222–30 (47 ref.)

[Deposition of pyrophosphate, chondrocalcinosis and chronic joint disease] Hansen SE. **Ugeskr Laeger** 1986 Nov 24; 148(48):3204–7 (29 ref.) (Eng. Abstr.) **(Dan)**

OCCURRENCE

Joint disorders at ages 70, 75 and 79 years—a cross-sectional comparison. Bergström G, et al. **Br J Rheumatol** 1986 Nov; 25(4):333–41

The first 500 patients seen at a rheumatology clinic in a public hospital. Sheppeard H. **NZ Med J** 1986 Sep 24; 99(810):716–8

[Working conditions and status of the osteoarticular system of excavator operators at open-pit mining operations] Grigorian EA, et al. **Gig Tr Prof Zabol** 1987 Mar;(3):50–2 **(Rus)**

[Diseases of the joints and spine as a cause of disability] Eremenko GS, et al. **Revmatologiia (Moskva)** 1986 Jul-Sep; (3):8–12 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Ochronotic arthropathy. A comparative scanning electron microscopic and light microscopic study of the synovium in ochronosis. Gaines JJ Jr. **Am J Clin Pathol** 1987 Jun; 87(6):762–5

Subacromial bursitis with rice bodies as a presenting feature of seronegative rheumatoid arthritis [letter] Thevenon A, et al. **Arthritis Rheum** 1987 Jun;30(6):715–6

Dialysis arthropathy: amyloid or iron? [letter] Cary NR, et al. **Br Med J [Clin Res]** 1987 Mar 7;294(6572):644–5

Synovial sarcoma: ultrastructural and immunohistochemical features of epithelial differentiation in monophasic and biphasic tumors. Fisher C. **Hum Pathol** 1986 Oct; 17(10):996–1008

Ankle: surface coil MR imaging at 1.5 T. Beltran J, et al. **Radiology** 1986 Oct;161(1):203–9

[Medial and lateral discoid menisci in the same knee. Apropos of a case] Husson JL, et al. **Bull Assoc Anat (Nancy)** 1985 Sep;69(206):201–8 (Eng. Abstr.) **(Fre)**

[Pathomorphologic aspects of the conservative therapy of arthroses] Mohr W. **Orthopade** 1986 Sep;15(5):366–78 (96 ref.) (Eng. Abstr.) **(Ger)**

[Sonography of the knee joint] Tran TK, et al. **Radiologe** 1987 Feb;27(2):57–63 (Eng. Abstr.) **(Ger)**

[Synovial chondrosis. Chondromatosis—osteochondromatosis] Seesko H, et al. **Z Orthop** 1987 Jan-Feb;125(1):94–8 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Joint and pulmonary changes in diabetes [letter] Madácsy L. **Am J Dis Child** 1987 Mar;141(3):244–5

Effects of joint pathology on muscle. Young A, et al. **Clin Orthop** 1987 Jun;(219):21–7

The physiology of articular stress: osteoarthrosis. Brandt KD, et al. **Hosp Pract [Off]** 1987 Jan 15;22(1):103–7, 110–2, 117–9 passim

Effect of simulated joint effusion on subchondral haemodynamics and metabolism. Kofoed H, et al. **Injury** 1986 Jul;17(4):274–6

Locking of the metacarpophalangeal joint. Rankin EA, et al. **J Hand Surg [Am]** 1986 Nov;11(6):868–71

[Movement patterns and recurrent blockages] Linden P, et al. **Acta Belg Med Phys** 1986 Jul-Sep;9(3):235–7 (Eng. Abstr.) **(Dut)**

[Pathophysiologic principles of kinesiotherapy in arthroses] Seyfried A, et al. **Orthopade** 1986 Sep;15(5):394–400 (Eng. Abstr.) **(Ger)**

[The concepts of "degenerative" and "functional"] Wolff HD. **Z Orthop** 1986 Jul-Aug;124(4):385–8 **(Ger)**

PREVENTION & CONTROL

Osteoarthrosis. What is known about prevention. Radin EL. **Clin Orthop** 1987 Sep;(222):60–5 (42 ref.)

RADIOGRAPHY

Pitfalls in the CT diagnosis of atlantoaxial rotary subluxation. Kowalski HM, et al. **AJR** 1987 Sep;149(3):595–600

Pleural-based mass in an elderly man with arthralgias. England DM, et al. **Chest** 1987 Apr;91(4):603–4

Computed tomography of meniscal cysts of the knee joint. Passariello R, et al. **Eur J Radiol** 1987 May;7(2):83–6

Computed tomography of podiatric disorders: a review. Sartoris DJ, et al. **J Foot Surg** 1986 Sep-Oct;25(5):394–403 (20 ref.)

Aging changes of the knee in the Thai population. Limpaphayom M, et al. **J Med Assoc Thai** 1986 Nov; 69(11):590–4

Acne-associated spondylarthropathy: radiographic features. Ellis BI, et al. **Radiology** 1987 Feb;162(2):541–5

Bone erosion in synovial chondromatosis. Norman A, et al. **Radiology** 1986 Dec;161(3):749–52

[Arthrographic studies of the femoropatellar joint] Reumuth HJ, et al. **Radiol Diagn (Berl)** 1986;27(6):791–9 (Eng. Abstr.) **(Ger)**

[Arthrography of the knee today] Otto H, et al. **Radiologe** 1987 Feb;27(2):64–70 (Eng. Abstr.) **(Ger)**

[Partial algodystrophy] Diethelm U, et al. **Schweiz Med Wochenschr** 1986 Nov 29;116(48):1674–80 (Eng. Abstr.) **(Ger)**

[Arthropathy of Paget's disease. Clinical and radiologic characteristics. Treatment with human calcitonin] Nicolazzo F, et al. **Clin Ter** 1986 Nov 15;119(3):193–203 (Eng. Abstr.) **(Ita)**

[Roentgenologic diagnosis of diabetic osteoarthropathy] Diankov L. **Vestn Rentgenol Radiol** 1986 Nov-Dec; (6):54–60 **(Rus)**

[Errors and untimely roentgen diagnosis of occupational diseases] Sokolik LI, et al. **Vrach Delo** 1987 May;(5):107–9 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Radionuclide imaging in internal derangements of the knee. Mooar P, et al. **Am J Sports Med** 1987 Mar-Apr; 15(2):132–7

[Contribution of indium-111 labelled polynuclear scintigraphy in the exploration of articular and bone infections] Martin A, et al. **Presse Med** 1987 Aug 29-Sep 5;16(28):1359–62 (Eng. Abstr.) **(Fre)**

RADIOTHERAPY

[The laser in physical medicine and rheumatology] Gritten C, et al. **Rev Med Liege** 1987 Mar 15;42(6):230–4 **(Fre)**

REHABILITATION

[Physical therapy of arthroses] Bischoff HP. **Orthopade** 1986 Sep;15(5):388–93 (24 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Synovial chondromatosis of the distal radio-ulnar joint. De Smet L, et al. **Acta Orthop Belg** 1987;53(1):106–8

Long-term follow-up of prosthetic joint replacement in hemophilia. Rana NA, et al. **Am J Hematol** 1986 Dec; 23(4):329–37

Arthroscopy of the ankle joint. Boe S. **Arch Orthop Trauma Surg** 1986;105(5):285–6

Anomalous ossicle in a lumbar facet joint. Kofod S, et al. **Arch Orthop Trauma Surg** 1987;106(5):333–4

Arthroscopy in total knee replacements. Campbell ED Jr. **Arthroscopy** 1987;3(1):31–5

Knee arthroscopy in the military population: an analysis of 600 knee arthroscopies. Fullerton LR Jr. **Arthroscopy** 1986; 2(4):259–61

Treatment of osteochondral defects of the distal femur with fresh osteochondral allografts: a preliminary report. Garrett JC. **Arthroscopy** 1986;2(4):222–6

Arthroscopy: the endoscopy of joints. Dandy DJ. **Br Med Bull** 1986 Jul;42(3):301–6 (18 ref.)

Tibial osteotomy in the treatment of genu recurvatum in the adult. Vicenzi G, et al. **Ital J Orthop Traumatol** 1986 Dec; 12(4):427–32

Pterygoid-levator synkinesis. The Marcus Gunn jaw-winking phenomenon. Eve FR. **J Clin Neuro Ophthalmol** 1987 Mar;7(1):61–2

The U.S. Army arthroscopic surgery experience. Fullerton LR Jr. **Milit Med** 1986 Dec;151(12):634–5

[Arthroscopic operations] Dong TX, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Oct;24(10):593–5, 638 (Eng. Abstr.) **(Chi)**

[Arthroscopic removal of loose body] Carlsen A. **Ugeskr Laeger** 1987 Feb 2;149(6):372–3 (Eng. Abstr.) **(Dan)**

[High tibial osteotomy in the treatment of primary gonarthrosis] Gottlieb J, et al. **Ugeskr Laeger** 1987 Feb 23;149(9):591–2 (Eng. Abstr.) **(Dan)**

[Preventive surgical indications in orthopedic surgery] Cotta H, et al. **Chirurg** 1987 May;58(5):322–7 **(Ger)**

[Arthroscopy of the pediatric knee joint] Behfar AS, et al.

Z Orthop 1986 Nov-Dec;124(6):751-4 (Eng. Abstr.) (Ger)

[Experience with 466 re-examined Wagner double-cup hip joint endoprostheses] Ferdini R, et al. Z Orthop 1986 Nov-Dec;124(6):740-2 (Eng. Abstr.) (Ger)

[Basic equipment for arthroscopic knee surgery] Kohn D, et al. Z Orthop 1987 Jan-Feb;125(1):63-7 (Eng. Abstr.) (Ger)

[The 59th annual meeting of the Japanese Orthopaedic Association. Tokyo, March 30-April 1, 1986. Abstracts] Nippon Seikeigeka Gakkai Zasshi 1986 Sep;60(9):S1-341 (Jpn)

[Surgical treatment of the impingement syndrome] Eri LM, et al. Tidsskr Nor Laegeforen 1987 Feb 28;107(6):543-4 (Nor)

[Acromionectomy in chronic shoulder pain] Nygaard OP, et al. Tidsskr Nor Laegeforen 1987 Feb 28;107(6):560-1 (Nor)

[Arthrosis of the 1st metatarsophalangeal joint] Arenberg AA, et al. Khirurgiia (Mosk) 1986 Nov;(11):27-31 (Eng. Abstr.) (Rus)

[Our experience with the treatment of hip joint pathology in children with epiphyseal chondrodysplasia] Tikhonenkov ES. Ortop Travmatol Protez 1986 Jul;(7):12-3 (Rus)

THERAPY

Radiographic evaluation of joints resurfaced with osteochondral shell allografts. Kusnick C, et al. AJR 1987 Oct;149(4):743-8

Cellular origin and evolution of neochondrogenesis in major full-thickness defects of a joint surface treated by free autogenous periosteal grafts and subjected to continuous passive motion in rabbits. Zarnett R, et al. Clin Orthop 1987 Sep;(222):267-74

Continuous passive motion--a podiatric overview. Stienstra JJ. J Foot Surg 1987 Jan-Feb;26(1):41-5 (34 ref.)

Evaluation of joint mobilization treatment. A method. Olson VL. Phys Ther 1987 Mar;67(3):351-6

Aspiration of joints and soft tissue injections. Leversee JH. Primary Care 1986 Sep;13(3):579-99 (5 ref.)

[Manual medicine: its neurophysiological basis and various generalities on examination, therapeutic approach, indications and contra-indications] Vyncke G, et al. Acta Belg Med Phys 1986 Jul-Sep;9(3):173-82 (Dut)

[Technical orthopedic aspects of the treatment of arthroses] Baumgartner R. Orthopade 1986 Sep;15(5):401-8 (Eng. Abstr.) (Ger)

[Skeletal infections--an interdisciplinary challenge] Täuber MG. Schweiz Rundsch Med Prax 1987 May 5;76(19):505 (Ger)

[Elastic orthoses in degenerative diseases--therapeutic effects of vibrostatic bandages] Girbardt R, et al. Z Orthop 1986 Jul-Aug;124(4):504-7 (Ger)

VETERINARY

Primary degenerative joint disease of the shoulder in a colony of beagles. Morgan JP, et al. J Am Vet Med Assoc 1987 Mar 1;190(5):531-40

Destructive cartilage loss in the joints of adult male broiler breeding fowls. Duff SR. J Comp Pathol 1987 May; 97(3):237-46

Degenerative osteoarthrosis in aged ICR mice. Yamasaki K. Jikken Dobutsu 1986 Oct;35(4):417-20

Chronic orthopaedic disease in adult male broiler breeding fowls. Duff SR, et al. Res Vet Sci 1986 Nov;41(3):340-8

Total hip replacement. Olmstead ML. Vet Clin North Am [Small Anim Pract] 1987 Jul; 17(4):943-55 (13 ref.)

Arthrodesis. Penwick RC. Vet Clin North Am [Small Anim Pract] 1987 Jul; 17(4):821-40 (26 ref.)

Brachygnathia superior and degenerative joint disease: a new lethal syndrome in Angus calves. Jayo M, et al. Vet Pathol 1987 Mar;24(2):148-55

[Examination and treatment of a loose medial coronoid process in dogs] Hazewinkel HA, et al. Tijdschr Diergeneeskd 1986 Dec 15;111(24):1234-45 (Eng. Abstr.) (Dut)

JOINT INSTABILITY

CHEMICALLY INDUCED

Articular mobility in systemic lupus erythematosus (SLE). Klemp P, et al. Clin Rheumatol 1987 Jun;6(2):202-7

CLASSIFICATION

Grade III injuries of the lateral ligaments of the ankle: the incidence and a simple stress test. Muwanga CL, et al. Arch Emerg Med 1986 Dec;3(4):247-51

COMPLICATIONS

Atlanto-axial subluxation and trisomy-21: another perioperative complication. Williams JP, et al. Anesthesiology 1987 Aug;67(2):253-4

Atlantoaxial instability in Down's syndrome [letter] Br Med J [Clin Res] 1987 Jun 13;294(6586):1549

Jaccoud's arthropathy and hypermobility syndrome in systemic lupus erythematosus [letter] Lioté F, et al. Clin Exp Rheumatol 1987 Apr-Jun;5(2):186-7

"Swan neck" deformity following carpal spasm in a patient with benign hypermobile joint syndrome. Tavoni A, et al. Clin Rheumatol 1986 Dec;5(4):509-11

Asymptomatic occipito-atlantal instability in Down syndrome (trisomy 21). Report of two cases in children. Brooke DC, et al. J Bone Joint Surg [Am] 1987 Feb; 69(2):293-5

Atlantoaxial instability in Down syndrome: roentgenographic, neurologic, and somatosensory evoked potential studies. Pueschel SM, et al. J Pediatr 1987 Apr; 110(4):515-21

Benign joint hypermobility with neuropathy: documentation and mechanism of tarsal tunnel syndrome. Francis H, et al. J Rheumatol 1987 Jun;14(3):577-81

Association of limited joint mobility with Dupuytren's contracture in diabetes mellitus. Pal B, et al. J Rheumatol 1987 Jun;14(3):582-5

Lumbar spine osteolysis: an entity caused by spinal instability. Bradford DS, et al. Spine 1986 Dec;11(10):1013-9

[Arthrosis of the knee in chronic anterior laxity] Dejour H, et al. Rev Chir Orthop 1987;73(3):157-70 (Eng. Abstr.) (Fre)

CONGENITAL

Hip joint instability in breech pregnancy. Luterkort M, et al. Acta Paediatr Scand 1986 Sep;75(5):860-3

[Congenital aplasia of the cruciate ligament] Benedetto KP. Unfallchirurg 1987 Apr;90(4):190-3 (Eng. Abstr.) (Ger)

DIAGNOSIS

Stenosing peroneal tenosynovitis symptomatically simulating ankle instability. Andersen E. Am J Sports Med 1987 May-Jun;15(3):258-9

Evaluation of residual instability after arthroscopic meniscectomy in anterior cruciate deficient knees. Shields CL Jr, et al. Am J Sports Med 1987 Mar-Apr;15(2):129-31

Hypermobility of joints. Lewkonia RM. Arch Dis Child 1987 Jan;62(1):1-2

Stability tests in knee ligament injuries. Sandberg R, et al. Arch Orthop Trauma Surg 1986;106(1):5-7

The voluntarily evoked posterolateral drawer sign in the knee with posterolateral instability. Shino K, et al. Clin Orthop 1987 Feb;(215):179-86

Arthroscopic determination of patellofemoral malalignment. Søjbjerg JO, et al. Clin Orthop 1987 Feb;(215):243-7

Instabilities of the wrist. Culver JE. Clin Sports Med 1986 Oct;5(4):725-40

Lateral stability of the proximal interphalangeal joint. Kiefhaber TR, et al. J Hand Surg [Am] 1986 Sep; 11(5):661-9

Accuracy and reproducibility of instrumented knee-drawer tests. Edixhoven P, et al. J Orthop Res 1987;5(3):378-87

New experimental procedures to evaluate the biomechanical properties of healing canine medial collateral ligaments. Woo SL, et al. J Orthop Res 1987;5(3):425-32

Clinical assessment of hip instability in the newborn by an orthopedic surgeon and a pediatrician. Bialik V, et al. J Pediatr Orthop 1986 Nov-Dec;6(6):703-5

Sonographic clarification of the problems of neonatal hip instability. Clarke NM. J Pediatr Orthop 1986 Sep-Oct; 6(5):527-32

Reliability of measuring anterior laxity of the knee joint using a knee ligament arthrometer. Hanten WP, et al. Phys Ther 1987 Mar;67(3):357-9

[Diagnosis of rupture of the ulnar collateral ligament of the metacarpophalangeal joint of the thumb. Presentation of a simple clinical and radiological test] Van Wetter P. Ann Chir Main 1986;5(2):135-8 (Eng. Abstr.) (Fre)

[Instrumental measurement of the anteroposterior laxity of the normal and lax knee] Christel M, et al. Rev Chir Orthop 1986;72 Suppl 2:115-8 (Fre)

[Diagnosis, therapy and results of acute instability of the syndesmosis of the upper ankle joint (isolated anterior rupture of the syndesmosis)] Frick H. Orthopade 1986 Nov; 15(6):423-6 (Eng. Abstr.) (Ger)

[Acute ligamentous injuries of the Chopart and Lisfranc joint line] Suren EG, et al. Orthopade 1986 Nov;15(6):479-86 (Eng. Abstr.) (Ger)

[Diagnosis and therapy of acute and chronic ligament instability of the lower ankle joint] Zwipp H, et al. Orthopade 1986 Nov;15(6):472-8 (Eng. Abstr.) (Ger)

[Diagnosis of insufficiency of the posterior cruciate ligament: value of posterior cruciate ligament phenomena in extension] Stäubli HU, et al. Z Unfallchir Versicherungsmed Berufskr 1986;79(2):85-8 (Ger)

[Diagnosis and course of chronic anterior laxities of the knee] Floareş G. Rev Med Chir Soc Med Nat Iasi 1986 Jul-Sep; 90(3):433-6 (Eng. Abstr.) (Rum)

[Device for the diagnosis of knee joint instability] Chernov AP, et al. Ortop Travmatol Protez 1987 Apr;(4):69-70 (Rus)

ETIOLOGY

Effect of the calcaneofibular ligament on hindfoot rotation in amputation specimens. Kjaersgaard-Andersen P, et al. Acta Orthop Scand 1987 Apr;58(2):135-8

Upper cervical instability in rheumatoid arthritis. Fehring TK, et al. Clin Orthop 1987 Aug;(221):137-48

Midcarpal instability following malunion of a fracture of the distal radius. A case report. Minami A, et al. Ital J Orthop Traumatol 1986 Dec;12(4):473-7

Excessive retroversion of the glenoid cavity. A cause of non-traumatic posterior instability of the shoulder [letter] Galinat BJ, et al. J Bone Joint Surg [Am] 1987 Apr; 69(4):632-3

Valgus deformity after proximal tibial fractures in children. Brougham DI, et al. J Bone Joint Surg [Br] 1987 May; 69(3):482

Double patella. A case of duplication in the coronal plane. Gasco J, et al. J Bone Joint Surg [Br] 1987 Aug;69(4):602-3

Volar intercalary carpal instability following a seemingly innocent wrist fracture. Brown IW. J Hand Surg [Br] 1987 Feb;12(1):54-6

Stability of the hip joint after reduction of late-diagnosed congenital dislocation of the hip. Dahlström H, et al. J Pediatr Orthop 1987 Jul-Aug;7(4):401-4

Traumatic carpal instability. Van Schil P, et al. J Trauma 1986 Oct;26(10):947-9

[Apropos of a badly reduced traumatic dislocation of the hip in a child (letter)] Llagonne B, et al. J Chir (Paris) 1987 Jan;124(1):57-8 (Fre)

[Spinal complications encountered in Larsen's syndrome. Apropos of 3 cases] Bellon JM, et al. Rev Chir Orthop 1987;73(1):57-62 (Eng. Abstr.) (Fre)

[Rotator defect and shoulder dislocation from the forensic viewpoint. Significance of degeneration and predisposition to instability] Probst J. Unfallchirurg 1986 Sep;89(9):436-9 (Eng. Abstr.) (Ger)

[Meniscus reinsertion in the surgical correction of fresh knee-joint instability] Kiss I, et al. Magy Traumatol Orthop Helyreallito Sebesz 1987; 30(3):179-84 (Eng. Abstr.) (Hun)

[Clinico-radiographic aspects of the post-traumatic instability of the radio-carpal joint] Carozzi S, et al. Chir Ital 1986 Jun;38(3):338-42 (Eng. Abstr.) (Ita)

FAMILIAL & GENETIC

Joint mobility with particular reference to racial variation and inherited connective tissue disorders. Wordsworth P, et al. Br J Rheumatol 1987 Feb;26(1):9-12

Ehlers-Danlos syndrome: yet another type? Viljoen D, et al. Clin Genet 1987 Sep;32(3):196-201

PATHOLOGY

[Anatomic studies of the extensor system of the knee joint and its clinical relevance] Scharf W, et al. Unfallchirurg 1986 Oct;89(10):456-62 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Comparison of joint degeneration models. Surgical instability and repetitive impulsive loading. Lukoschek M, et al. Acta Orthop Scand 1986 Aug;57(4):349-53

Anterior and posterior shoulder instability. A cadaver study. Ovesen J, et al. Acta Orthop Scand 1986 Aug;57(4):324-7

Posterior instability of the shoulder. A cadaver study. Ovesen J, et al. Acta Orthop Scand 1986 Oct;57(5):436-9

Treatment of the medial collateral ligament injury. I: The importance of anterior cruciate ligament on the varus-valgus knee laxity. Inoue M, et al. Am J Sports Med 1987 Jan-Feb;15(1):15-21

Experimental elbow instability after transection of the medial collateral ligament. Søjbjerg JO, et al. Clin Orthop 1987 May;(218):186-90

Lateral talocalcaneal instability following section of the calcaneofibular ligament: a kinesiologic study. Kjaersgaard-Andersen P, et al. Foot Ankle 1987 Jun; 7(6):355-61

Adult elbow dislocations: mechanism of instability. Tullos HS, et al. Instr Course Lect 1986;35:69-82

Pronator muscle weakness in functional instability of the ankle joint. Tropp H. Int J Sports Med 1986 Oct;7(5):291-4

Effect of muscular activity on valgus/varus laxity and stiffness of the knee. Olmstead TG, et al. J Biomech 1986; 19(8):565-77

Measurement of anterior instability of the knee. A new apparatus for clinical testing. Shino K, et al. J Bone Joint Surg [Br] 1987 Aug;69(4):608-13

Valgus stability of the elbow. Hotchkiss RN, et al. J Orthop Res 1987;5(3):372-7

Patellar instability in juvenile amputees. McIvor JB, et al. J Pediatr Orthop 1987 Sep-Oct;7(5):553-6

Spinal instability and the log-rolling maneuver. McGuire RA, et al. J Trauma 1987 May;27(5):525-31

[Hypermobility in the framework of vertigo and cervical vertebrae] Vyncke G, et al. Acta Belg Med Phys 1986 Jul-Sep;9(3):249-53 (Dut)

[Biomechanics and classification of knee instability] Müller W. Acta Orthop Belg 1986 Jul-Aug;52(4):429-36 (Eng. Abstr.) (Fre)

[The effect of aging on endoprostheses] Aldinger G, et al. Z Orthop 1986 Jul-Aug;124(4):392-5 (Ger)

RADIOGRAPHY

CT arthrographic patterns in recurrent glenohumeral instability. Singson RD, et al. AJR 1987 Oct;149(4):749-53

Screening for atlantoaxial instability [letter] Howells G. Br Med J [Clin Res] 1987 May 30;294(6584):1417

Clinical experience with double contrast medium computerised tomography (arthro-CT) in instability of the shoulder. Randelli M, et al. Ital J Orthop Traumatol 1986

Jun;12(2):151–8
Long-term inversion stability of the ankle after rupture of the lateral ligaments. Hommínga GN, et al. **Neth J Surg** 1986 Aug;38(4):103–5
Clinical and roentgenological studies on malalignment disorders of the patello-femoral joint. Part I: Classification of patello-femoral alignments using dynamic sky-line view arthrography with special consideration of the mechanism of the malalignment disorders. Imai N, et al. **Nippon Seikeigeka Gakkai Zasshi** 1987 Jan;61(1):1–15
Lumbar instability: a dynamic approach by traction-compression radiography. Friberg O. **Spine** 1987 Mar;12(2):119–29
[Visualization of the scapholunate space. Description of a simple radiologic image] Frot B, et al. **Ann Chir Main** 1986; 5(4):335–8 (Eng. Abstr.) (Fre)
[Gonylaxometric studies of knee stability—technic and use] Latosiewicz R, et al. **Beitr Orthop Traumatol** 1986 Sep; 33(9):420–4 (Eng. Abstr.) (Ger)
[Diagnosis of hyper- and hypomotility of the upper cervical spine using functional computerized tomography] Dvorak J, et al. **Orthopade** 1987 Feb;16(1):13–9 (Eng. Abstr.) (Ger)
[Post-traumatic arthrosis of the upper ankle joint in chronic insufficiency of the fibular ligament] Rieck B, et al. **Orthopade** 1986 Nov;15(6):466–71 (Eng. Abstr.) (Ger)
[Roentgen diagnosis of traumatic instability of the middle and lower cervical spine (C3–C7)] Wackenheim A, et al. **Orthopade** 1987 Feb;16(1):20–6 (Eng. Abstr.) (Ger)
[Micromelic dwarfism and ectromelia in combination with a deficiency of the capsule-ligament system of the joints] Tscherninkoff Z, et al. **Radiol Diagn (Berl)** 1987;28(1):69–73 (Eng. Abstr.) (Ger)
[Diagnosis of instability of the upper cervical spine by functional computed tomography] Dvorak J, et al. **ROFO** 1986 Nov;145(5):582–5 (Eng. Abstr.) (Ger)
[Comparison of the value of held images and arthrography of the proximal ankle joint in injuries of the lateral capsule ligament system] Mayer F, et al. **Unfallchirurg** 1987 Feb; 90(2):86–91 (Eng. Abstr.) (Ger)
[A new procedure for measuring displacement of the anterior ankle joint in the lateral projection] Biegler M, et al. **Unfallchirurgie** 1986 Oct;12(5):271–5 (Eng. Abstr.) (Ger)
[Reflections on the use of diagnostic aids in fresh injuries of the ligaments of the upper ankle joint] Rüegger R, et al. **Z Unfallchir Versicherungsmed Berufskr** 1986; 79(2):115–9 (Ger)

SURGERY

Extra-articular ligamentoplasty for chronic ACL insufficiency. Claes T, et al. **Acta Orthop Belg** 1986 Jul-Aug;52(4):515–25
The pes anserinus transfer. Hede A, et al. **Acta Orthop Belg** 1986;52(6):841–7
The intra-articular use of bio-degradable polymer coated carbon filament as an adjunct to repair or reconstruction of cruciate ligaments. Rusch RE, et al. **Acta Orthop Belg** 1986 Jul-Aug;52(4):564–73
Biomechanical evaluation of superficial transfer of the biceps femoris tendon. Brunet ME, et al. **Am J Sports Med** 1987 Mar-Apr;15(2):103–10
Treatment of lateral instability of the ankle—a new modification of the Evans repair. Andersen E, et al. **Arch Orthop Trauma Surg** 1986;106(1):15–7
Transposition of coracoacromial ligament to humerus in treatment of vertical shoulder joint instability. Clinical applicability of experimental technique. Ovesen J, et al. **Arch Orthop Trauma Surg** 1987;106(5):323–6
The stability of the elbow following excision of the radial head and transection of the annular ligament. An experimental study. Søjbjerg JO, et al. **Arch Orthop Trauma Surg** 1987;106(4):248–50
Ligament reconstruction for the painful "prearthritic" thumb carpometacarpal joint. Lane LB, et al. **Clin Orthop** 1987 Jul;(220):52–7
Surgical treatment of the symptomatic juvenile flexible flatfoot condition. Dockery GL. **Clin Podiatr Med Surg** 1987 Jan;4(1):99–117 (43 ref.)
Subtalar arthroereisis. Valente procedure. Langford JH, et al. **Clin Podiatr Med Surg** 1987 Jan;4(1):153–61
Evans calcaneal osteotomy for flexible pes valgus deformity. A preliminary study. Mahan KT, et al. **Clin Podiatr Med Surg** 1987 Jan;4(1):137–51
Reconstruction of the lateral ligamentous structures of the ankle with a modified Watson-Jones procedure. Barbari SG, et al. **Foot Ankle** 1987 Jun;7(6):362–8
Capsulodesis in reconstructive hand surgery. Dorsal capsulodesis for the unstable scaphoid and volar capsulodesis following excision of the distal ulna. Blatt G. **Hand Clin** 1987 Feb;3(1):81–102
Midcarpal instability. Brown DE, et al. **Hand Clin** 1987 Feb; 3(1):135–40
The distal radioulnar joint. Hagert CG. **Hand Clin** 1987 Feb; 3(1):41–50
Instabilities of the wrist. Watson HK, et al. **Hand Clin** 1987 Feb;3(1):103–11
Chronic anterior laxity of the knee: classification and coding of the results of surgical treatment. Puddu G, et al. **Ital J Orthop Traumatol** 1986 Jun;12(2):167–78
Occipito-atlantal instability in children. A report of five cases and review of the literature. Georgopoulos G, et al. **J Bone Joint Surg [Am]** 1987 Mar;69(3):429–36
Chronic capitolunate instability. Johnson RP, et al. **J Bone Joint Surg [Am]** 1986 Oct;68(8):1164–76
Intra-articular reconstruction of the anterior cruciate ligament with and without extra-articular supplementation by transfer of the biceps femoris tendon. Roth JH, et al. **J Bone Joint Surg [Am]** 1987 Feb;69(2):275–8
Occipitocervical fusion. Indications, technique, and long-term results in thirteen patients. Wertheim SB, et al. **J Bone Joint Surg [Am]** 1987 Jul;69(6):833–6
Rotatory malunion of the lateral malleolus corrected by osteotomy. Austin RT. **J Bone Joint Surg [Br]** 1987 May; 69(3):481
Stabilisation of the cervical spine [editorial] Evans DK. **J Bone Joint Surg [Br]** 1987 Jan;69(1):1–2
Bovine tendon lateral ankle stabilization procedure: xenograft bioprosthesis model GR 6 mm. Dockery GL. **J Foot Surg** 1986 Nov-Dec;25(6):469–71
Lateral ankle instability: a discussion of the Lee ankle stabilization. Hamilos DT, et al. **J Foot Surg** 1987 May-Jun; 26(3):222–7
The unstable paralytic hip: treatment by combined pelvic and femoral osteotomy and transiliac psoas transfer. Molloy MK. **J Pediatr Orthop** 1986 Sep-Oct;6(5):533–8
Operative treatment of persistent lateral instability of the ankle—is it worse to sprain the ankle than to break it? van Rappard JH, et al. **Neth J Surg** 1987 Apr;39(2):65–7
[Instability of the knee. Antwerp, 9–10 May 1985] **Acta Orthop Belg** 1986 Jul-Aug;52(4):427–584 (Fre)
[Combination intra- and extra-articular surgery or isolated extra-articular surgery in the treatment of anterolateral rotatory instability of the knee] Leyvraz PF, et al. **Acta Orthop Belg** 1986 Sep-Oct;52(5):621–36 (Eng. Abstr.) (Fre)
[Principles and treatment technics of knee instability] Müller W. **Acta Orthop Belg** 1986 Jul-Aug;52(4):542–53 (Eng. Abstr.) (Fre)
[Transplantar fixation in complex and unstable bi-malleolar fractures. Apropos of 23 cases] Christel P, et al. **Ann Chir** 1986 Sep;40(6):343–50 (Eng. Abstr.) (Fre)
[Treatment of anterior and internal instability of the knee by musculotendon transposition reinforced with carbon fibers. Apropos of 83 cases] Peyrou PL. **Chirurgie** 1987; 113(2):107–12 (Eng. Abstr.) (Fre)
[Use of Cotrel-Dubousset material in C1 C2 instabilities] Guyotat J, et al. **Neurochirurgie** 1987;33(3):236–8 (Eng. Abstr.) (Fre)
[Stabilization of the external condyle of the knee in chronic anterior laxity. Importance of the popliteal muscle] Bousquet G, et al. **Rev Chir Orthop** 1986;72(6):427–34 (Eng. Abstr.) (Fre)
[Severe sprains of the ankle in children and adolescents] Chaumien JP, et al. **Rev Chir Orthop** 1986;72 Suppl 2:56–62 (Fre)
[Pubic osteoarthropathy caused by symphyseal instability or chronic painful symphysiolysis: treatment by symphysiodesis. Apropos of a case and review of the literature] Delaunay C, et al. **Rev Chir Orthop** 1986; 72(8):573–7 (Eng. Abstr.) (Fre)
[Anterior recurrent luxation of the shoulder. Postoperative recurrences] Walch G, et al. **Rev Chir Orthop** 1986; 72(8):541–55 (Eng. Abstr.) (Fre)
[Rupture of the pes anserinus—a rare concomitant injury in anteromedial instability of the knee joint] Bruns J, et al. **Aktuel Traumatol** 1986 Dec;16(6):230–2 (Eng. Abstr.) (Ger)
[Primary plastic reconstruction of a lateral ligament injury of the upper ankle joint] Targonski J. **Aktuel Traumatol** 1987 Feb;17(1):35–7 (Eng. Abstr.) (Ger)
[Chronic posterior instabilities] Dejour H, et al. **Orthopade** 1987 Apr;16(2):149–56 (Eng. Abstr.) (Ger)
[Dorsal spondylodesis of the cervical spine using a hooked plate] Grob D, et al. **Orthopade** 1987 Feb;16(1):55–61 (Eng. Abstr.) (Ger)
[Indications, treatment and evaluation of chronic instability of the anterior cruciate ligament] Jakob RP. **Orthopade** 1987 Apr;16(2):130–9 (Eng. Abstr.) (Ger)
[Personal experiences in surgical treatment of chronic instability of the anterior knee joint] Kerschbaumer F, et al. **Orthopade** 1987 Apr;16(2):140–8 (Eng. Abstr.) (Ger)
[Surgical therapy of chronic instability of the upper ankle joint using periostal bridle-plasty] Kuner EH, et al. **Orthopade** 1986 Nov;15(6):454–60 (Eng. Abstr.) (Ger)
[Diagnosis and causal therapy of shoulder instabilities] Gerber C, et al. **Unfallchirurg** 1986 Sep;89(9):418–28 (Eng. Abstr.) (Ger)
[Post-traumatic chronic instability of the shoulder joint. Therapy and results] Schneppendahl G, et al. **Unfallchirurgie** 1987 Feb;13(1):19–21 (Eng. Abstr.) (Ger)
[Replacement of the anterior cruciate ligament combined with valgization osteotomy of the tibia in incipient medial gonarthrosis with anterior cruciate ligament insufficiency] Giger P, et al. **Z Orthop** 1987 Jan-Feb;125(1):68–72 (Eng. Abstr.) (Ger)
[Surgical treatment of patients with unstable hip joints as a sequela of poliomyelitis] Krasnov AF, et al. **Ortop Travmatol Protez** 1986 Nov;(11):1–5 (Eng. Abstr.) (Rus)
[New approach to restoring the elements of the bursa-ligament apparatus in chronic knee joint instability] Remizov VB. **Ortop Travmatol Protez** 1987 Apr;(4):38–41 (Eng. Abstr.) (Rus)

THERAPY

Electromyographic biofeedback in the treatment of voluntary posterior instability of the shoulder. Beall MS Jr, et al. **Am J Sports Med** 1987 Mar-Apr;15(2):175–8
Knee bracing and anterolateral rotatory instability. Coughlin L, et al. **Am J Sports Med** 1987 Mar-Apr;15(2):161–3
[Stabilizing aids in the early functional treatment of fibular ligament rupture. A comparative experimental study] Bruns J, et al. **Unfallchirurg** 1986 Dec;89(12):563–8 (Eng. Abstr.) (Ger)
[Medical gymnastics in the myotenoplastic stabilization of a paralytically unstable hip joint] Krasnov AF, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 May-Jun; (3):45–9 (Eng. Abstr.) (Rus)

JOINT LOOSE BODIES see under **JOINT DISEASES**

JOINT PROSTHESIS

Cup arthroplasty of the rheumatoid shoulder. Jónsson E, et al. **Acta Orthop Scand** 1986 Dec;57(6):542–6
Ultraclean air and antibiotics for prevention of postoperative infection. A multicenter study of 8,052 joint replacement operations. Lidwell OM, et al. **Acta Orthop Scand** 1987 Feb;58(1):4–13
Computed tomography of humeral head cup arthroplasties. A preliminary report. Egund N, et al. **Acta Radiol** 1987 Jan-Feb;28(1):71–3
Joint replacement surgery in juvenile rheumatoid arthritis. Sledge CB. **Arthritis Rheum** 1977 Mar;20(2 Suppl):567–72
Arthroplasty of the elbow. Experience with the Mark III GSB prosthesis. Bell S, et al. **Aust NZ J Surg** 1986 Nov; 56(11):823–7
Silastic implant as a part of temporomandibular joint arthroplasty. Evaluation of its efficacy. Kalamchi S, et al. **Br J Oral Maxillofac Surg** 1987 Jun;25(3):227–36
Is flap cover of exposed metalwork worthwhile? A review of 28 cases. Gault DT, et al. **Br J Plast Surg** 1986 Oct; 39(4):505–9
The pathogenicity of coagulase negative staphylococcus in the presence of silicone rubber implants. Wong PT, et al. **Br J Plast Surg** 1987 Jan;40(1):94–6
Cervical myelopathy complicating multiple joint replacement in rheumatoid disease. Kirk AP, et al. **Br J Rheumatol** 1987 Aug;26(4):275–8
Total arthroplasty of the thumb trapeziometacarpal joint. Cooney WP, et al. **Clin Orthop** 1987 Jul;(220):35–45
The elbow prosthesis [letter] del-Torto U. **Clin Orthop** 1987 Mar;(216):303–6
Biomechanical basis for elbow hinge-distractor design. Deland JT, et al. **Clin Orthop** 1987 Feb;(215):303–12
Results of total elbow arthroplasty as a salvage procedure for failed elbow reconstructive operations. Figgie HE 3d, et al. **Clin Orthop** 1987 Jun;(219):185–93
The early results of porous-coated total shoulder arthroplasty. McElwain JP, et al. **Clin Orthop** 1987 May; (218):217–24
Effects of repetitive loading on the integrity of porous coatings. Manley MT, et al. **Clin Orthop** 1987 Apr; (217):293–302
A humeral head cutting guide: instrument to secure correct humeral component retroversion in shoulder joint arthroplasty. Ovesen J, et al. **Clin Orthop** 1987 Mar; (216):193–4
Prosthetic replacement for chronic unreduced dislocations of the shoulder. Pritchett JW, et al. **Clin Orthop** 1987 Mar; (216):89–93
Patient-controlled analgesia in the total joint arthroplasty patient. Spetzler B, et al. **Clin Orthop** 1987 Feb;(215):122–5
Implant arthroplasty of the rheumatoid wrist. Ferlic DC. **Hand Clin** 1987 Feb;3(1):169–79
Clinical experience with total arthroplasty and hemiarthroplasty of the shoulder using the Neer prosthesis. Bell SN, et al. **Int Orthop** 1986;10(4):217–22
A comparison of systemic cefuroxime and cefuroxime loaded bone cement in the prevention of early infection after total joint replacement. McQueen M, et al. **Int Orthop** 1987; 11(3):241–3
Thermal effects of polymerization of methyl-methacrylate on small tubular bones. Schultz RJ, et al. **Int Orthop** 1987; 11(3):277–82
Metacarpophalangeal joint arthroplasty of the rheumatoid hand. Lynch A, et al. **Ir Med J** 1987 Feb;80(2):58–60
The LaPorta great toe implant. A preliminary study of its efficacy. Farnworth C, et al. **J Am Podiatr Med Assoc** 1986 Nov;76(11):625–30
Lawrence design first metatarsophalangeal joint prosthesis. Jarvis BD, et al. **J Am Podiatr Med Assoc** 1986 Nov; 76(11):617–24
Antibiotic prophylaxis in Silastic joint implantation. A retrospective study. Landry JR, et al. **J Am Podiatr Med Assoc** 1987 Apr;77(4):177–81
Silicone elastomer implant failure [letter] Lentz AJ. **J Am Podiatr Med Assoc** 1987 Jan;77(1):49–50
Survivorship analysis in the evaluation of joint replacement. Dorey F, et al. **J Arthroplasty** 1986;1(1):63–9
Biologic fixation. Evarts CM. **J Arthroplasty** 1986;1(4):293–6
A critical analysis of mechanical factors correlated with bone remodeling following total elbow arthroplasty. Figgie HE 3d, et al. **J Arthroplasty** 1986;1(3):175–82
A critical analysis of alignment factors influencing functional results following trispherical total wrist arthroplasty. Figgie

HE 3d, et al. **J Arthroplasty** 1986;1(3):149–56
A critical analysis of alignment factors affecting functional outcome in total elbow arthroplasty. Figgie HE 3d, et al. **J Arthroplasty** 1986;1(3):169–73
Total elbow arthroplasty in the face of significant bone stock or soft tissue losses. Preliminary results of custom-fit arthroplasty. Figgie HE 3d, et al. **J Arthroplasty** 1986;1(2):71–81
Autologous blood transfusion in total joint arthroplasty. Stanisavljevic S, et al. **J Arthroplasty** 1986;1(3):207–9
Molecular weight distribution of a bulk ultra-high molecular weight polyethylene product—impax 5M + UHMW-NAT. Kusy RP, et al. **J Biomed Mater Res** 1986 Nov–Dec;20(9):1373–89
The effect of conformity, thickness, and material on stresses in ultra-high molecular weight components for total joint replacement [letter] **J Bone Joint Surg [Am]** 1987 Mar; 69(3):471–4
Total shoulder arthroplasty. Barrett WP, et al. **J Bone Joint Surg [Am]** 1987 Jul;69(6):865–72
Trapeziometacarpal total joint replacement using the Steffee prosthesis. Ferrari B, et al. **J Bone Joint Surg [Am]** 1986 Oct;68(8):1177–84
Arthroplasty of the ipsilateral shoulder and elbow in patients who have rheumatoid arthritis. Friedman RJ, et al. **J Bone Joint Surg [Am]** 1987 Jun;69(5):661–6
Revision total elbow arthroplasty. Morrey BF, et al. **J Bone Joint Surg [Am]** 1987 Apr;69(4):523–32
The prevention of deep sepsis in joint replacement [editorial] Apley AG. **J Bone Joint Surg [Br]** 1987 Aug;69(4):517–8
Endoprosthetic replacement of the proximal humerus. Ross AC, et al. **J Bone Joint Surg [Br]** 1987 Aug;69(4):656–61
Endoprosthetic replacement of the humerus and elbow joint. Ross AC, et al. **J Bone Joint Surg [Br]** 1987 Aug; 69(4):652–5
MR imaging of a fractured temporomandibular disk prosthesis. Kneeland JB, et al. **J Comput Assist Tomogr** 1987 Jan–Feb;11(1):199–200
Consecutive bilateral failures of first metatarsophalangeal joint prostheses [letter] Carton C Jr. **J Foot Surg** 1986 Nov–Dec;25(6):512–4
Bovine tendon lateral ankle stabilization procedure: xenograft bioprosthesis model GR 6 mm. Dockery GL. **J Foot Surg** 1986 Nov–Dec;25(6):469–71
Lesser metatarsophalangeal joint implants. Fox IM, et al. **J Foot Surg** 1987 Mar–Apr;26(2):159–63
Silicone rubber implant arthroplasty of MP joint in rheumatoid arthritis [letter] Peimer CA. **J Hand Surg [Am]** 1987 Jan;12(1):154
Tendon ruptures and median nerve damage after Hamas total wrist arthroplasty. Siemionow M, et al. **J Hand Surg [Am]** 1987 May;12(3):374–7
A review of total elbow arthroplasty and an early assessment of the Liverpool elbow prosthesis. Sourmelis SG, et al. **J Hand Surg [Br]** 1986 Oct;11(3):407–13
Group G streptococcal infection of joints and joint prostheses. Gaunt PN, et al. **J Infect** 1986 Sep;13(2):115–23
CT evaluation of TMJ disc replacement with a Proplast-Teflon laminate. Heffez L, et al. **J Oral Maxillofac Surg** 1987 Aug;45(8):657–65
Silicone lymphadenopathy, synovitis and osteitis complicating big toe Silastic prostheses. Jasim KA, et al. **J R Coll Surg Edinb** 1987 Feb;32(1):29–33
Experimental study on gentamycin-loaded polymethylmethacrylate. Chen AM, et al. **J Tongji Med Univ** 1986;6(3):167–71
Anesthetic problems in joint replacement surgery. Hyderally H. **Mt Sinai J Med (NY)** 1987 May;54(4):313–6
Retained alloplastic temporomandibular joint disk implants: a retrospective study. Bronstein SL. **Oral Surg Oral Med Oral Pathol** 1987 Aug;64(2):135–45
Bacteria isolated from late prosthetic joint infections: dental treatment and chemoprophylaxis. Jacobson JJ, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jan;63(1):122–6
Wrist arthroplasty: a retrospective study. Cimino PM, et al. **Orthopedics** 1987 Feb;10(2):337–41
The effects of pulsed fluid irrigation on bony ingrowth in porous polyethylene implants. Ritter MA, et al. **Orthopedics** 1987 Feb;10(2):285–8
Total ankle arthroplasty using biological fixation components compared to ankle arthrodesis. Scholz KC. **Orthopedics** 1987 Jan;10(1):125–31
The prevention of infection in total joint replacement surgery. Nelson CL. **Rev Infect Dis** 1987 May–Jun; 9(3):613–8 (56 ref.)
Metacarpophalangeal joint replacement with osseointegrated endoprostheses. Hagert CG, et al. **Scand J Plast Reconstr Surg** 1986;20(2):207–18
[The need for total joint replacement in the treatment of osteoarthrosis and rheumatoid arthritis] Nordkild P, et al. **Nord Med** 1986;101(10):272–5 (Eng. Abstr.) **(Dan)**
[The use of silicone prostheses in comminutive fracture of the radial head] van Beek AJ, et al. **Ned Tijdschr Geneeskd** 1986 Oct 4;130(40):1797–800 (Eng. Abstr.) **(Dut)**
[Prosthetic arthroplasty in recent and old complex injuries of the shoulder] Huten D, et al. **Rev Chir Orthop** 1986; 72(8):517–29 (Eng. Abstr.) **(Fre)**
[Comparative evaluation of the effectiveness of various antibiotics in infected total endoprostheses] Dingeldein E. **Aktuel Probl Chir Orthop** 1987;31:217–20 **(Ger)**
[Failures in the use of Nebacetin-Sulfix 6] Dreyer J, et al. **Aktuel Probl Chir Orthop** 1987;31:259–61 **(Ger)**
[Tissue reaction to bone cement] Enderle A, et al. **Aktuel Probl Chir Orthop** 1987;31:159–62 **(Ger)**
[Pathogen spectrum in infections following total endoprostheses] Härle A. **Aktuel Probl Chir Orthop** 1987; 31:210–6 **(Ger)**
[Adhesive strength of metal/bone cement compounds and bone cement/spongioid bones] Klumpert R, et al. **Aktuel Probl Chir Orthop** 1987;31:125–8 **(Ger)**
[Can use of gentamycin–Palacos lead to the occurrence of a toxic serum gentamycin level? Drug monitoring with enzyme immunoassay] Markowski HP, et al. **Aktuel Probl Chir Orthop** 1987;31:257–8 **(Ger)**
[Destruction of cement casings] Willert HG. **Aktuel Probl Chir Orthop** 1987;31:326–33 **(Ger)**
[Detection of hospital infections in an orthopedic clinic] Kluge K, et al. **Beitr Orthop Traumatol** 1986 Jul;33(7):354–9 (Eng. Abstr.) **(Ger)**
[Replacement of the head of the radius with a silicone endoprosthesis] Mowschowitsch IA, et al. **Beitr Orthop Traumatol** 1987 Mar;34(3):131–4 (Eng. Abstr.) **(Ger)**
[Stress on the elbow joint following alloplastic joint replacement] Rohlmann A, et al. **Biomed Tech (Berlin)** 1986 Dec;31(12):293–302 (Eng. Abstr.) **(Ger)**
[Orthopedic surgery treatment of progressive chronic polyarthritis] Schwägerl W. **Fortschr Med** 1987 May 30; 105(16):301–4 (Eng. Abstr.) **(Ger)**
[Long-term results following resection arthroplasty and prosthesis implantation in idiopathic saddle joint arthrosis] Köhler L, et al. **Handchir Mikrochir Plast Chir** 1987 Jul; 19(4):206–9 (Eng. Abstr.) **(Ger)**
[Severe soft tissue and bone injuries of the distal lower leg and foot: indications for arthrodesis or joint replacement] Muhr G, et al. **Langenbecks Arch Chir** 1986;369:705–8 (Eng. Abstr.) **(Ger)**
[The current status of cementless endoprostheses] **Orthopade** 1987 Jun;16(3):169–257 **(Ger)**
[Bone fixation of tumor endoprostheses with cast-on spherules of a cobalt-base alloy] Gottsauner-Wolf F, et al. **Orthopade** 1987 Jun;16(3):252–7 (Eng. Abstr.) **(Ger)**
[Current knowledge and future perspectives of cementless endoprosthetics] Hungerford DS, et al. **Orthopade** 1987 Jun;16(3):220–4 (Eng. Abstr.) **(Ger)**
[Endoprosthetics in rheumatoid arthritis] Zippel H. **Z Arztl Fortbild (Jena)** 1987;81(9):451–7 **(Ger)**
[The effect of aging on endoprostheses] Aldinger G, et al. **Z Orthop** 1986 Jul–Aug;124(4):392–5 **(Ger)**
[Degenerative diseases of the upper extremities] Gschwend N. **Z Orthop** 1986 Jul–Aug;124(4):408–17 **(Ger)**
[Application of biomaterials in the treatment of osteosarcoma] Kotoura Y, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1423–9 (Eng. Abstr.) **(Jpn)**
[Friction properties of articular cartilage and various artificial materials] Romanovskaia AN, et al. **Ortop Travmatol Protez** 1986 Nov;(11):45–6 (Eng. Abstr.) **(Rus)**
[Bactericidal and bacteriostatic properties of Acryloxide copolymer in articular endoprosthesis] Plotkin GL, et al. **Vestn Khir** 1986 Oct;137(10):96–8 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Pulmonary marrow embolism: a dog model simulating dual component cemented arthroplasty. Byrick RJ, et al. **Can J Anaesth** 1987 Jul;34(4):336–42
Infections associated with prosthetic joints. Brause BD. **Clin Rheum Dis** 1986 Aug;12(2):523–36 (34 ref.)
Cracks emanating from a fluid filled void loaded in compression: application to the bone–implant interface. Santare MH, et al. **J Biomech Eng** 1987 Feb;109(1):55–9
Destructive lesions of the mandibular condyle following diskectomy with temporary silicone implant. Westesson PL, et al. **Oral Surg Oral Med Oral Pathol** 1987 Feb; 63(2):143–50
Failed temporomandibular joint prostheses: MR imaging. Kneeland JB, et al. **Radiology** 1987 Oct;165(1):179–81
Granulomatous pseudotumors in total joint replacement. Griffiths HJ, et al. **Skeletal Radiol** 1987;16(2):146–52
[Imaging of complications of arthroplasty of the hip and knee] Garcia J, et al. **Schweiz Med Wochenschr** 1987 Jun 6; 117(23):879–87 (Eng. Abstr.) **(Fre)**

HISTORY

Historical review of porous-coated implants. Spector M. **J Arthroplasty** 1987;2(2):163–77 (150 ref.)

TRENDS

Recent advances in total joint arthroplasty. Dalziel R. **Aust Fam Physician** 1986 Oct;15(10):1310–3
Future prospects in joint replacement surgery. Nade S. **Aust NZ J Surg** 1987 Jan;57(1):1–3

JOINT TUBERCULOSIS see TUBERCULOSIS, OSTEOARTICULAR

JOINTS

Mycobacterium kansasii septic arthritis complicating rheumatic disease: case report and review of the literature. Glickstein SL, et al. **Semin Arthritis Rheum** 1987 Feb; 16(3):231–5 (25 ref.)

ABNORMALITIES

[Pathogenesis of radiation-induced abnormalities of the bones and joints of white rat embryos] Kabak SL. **Arkh Anat Gistol Embriol** 1986 Dec;91(12):11–7 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

MR arthrography: anatomic-pathologic investigation. Hajek PC, et al. **Radiology** 1987 Apr;163(1):141–7
[The ear ossicle joints in the scanning electron microscopy image] Hüttenbrink KB, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Apr;66(4):176–9 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

The effect of a corticosteroid on the absorption of 131I-albumin from rabbit knee joint. Jakobsen J, et al. **Z Rheumatol** 1986 Jul–Aug;45(4):152–4
[Experimental study on the articular sac of the rabbit after an injection of aqueous extract of Plantago asiatica] Chen YH. **Chung Yao Tung Pao** 1986 Nov;11(11):46–7 **(Chi)**

EMBRYOLOGY

[Differentiation of joints in transplants developing on chorioallantois] Pavilonis S, et al. **Arkh Anat Gistol Embriol** 1987 Feb;92(2):83–9 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Enzyme histochemical reactions in unfixed and undecalcified cryostat sections of mouse knee joints with special reference to arthritic lesions. Van Noorden CJ, et al. **Histochemistry** 1986;86(2):127–33

IMMUNOLOGY

Synovial class II antigen expression and immune complex formation in rheumatoid arthritis. Klareskog L, et al. **Acta Med Scand [Suppl]** 1987;715:85–91 (46 ref.)
Immune complexes in synovial fluid and serum from patients with disseminated gonococcal infection: evidence for local immune complex formation within the joint. Shiel WC Jr, et al. **Ann Rheum Dis** 1986 Oct;45(10):816–20
Immune therapy of osteoarthritis: an open assessment of clinical results with heterologous antibodies to articular tissue (Serocytol). Piccione F, et al. **Pharmatherapeutica** 1986;4(9):577–84

INJURIES

Fracture-dislocation of manubriosternal joint: an unusual complication of seizures [published erratum appears in J Trauma 1987 Mar;27(3):329] Dastgeer GM, et al. **J Trauma** 1987 Jan;27(1):91–3
[Retrospective study of the possible role of injuries in the genesis of ankylosing spondylitis, Fiessinger-Leroy-Reiter syndrome and other reactive arthritis, unclassified B27 rheumatism in adults and chronic B27 arthritis in children] Alcalay M, et al. **Rev Rhum Mal Osteoartic** 1987 Mar; 54(3):235–41 (Eng. Abstr.) **(Fre)**
[Traumatologically and orthopedically important axes and angles of the arm skeleton] Wahl D. **Beitr Orthop Traumatol** 1986 Sep;33(9):413–9 (Eng. Abstr.) **(Ger)**
[Mobilat ointment in acute dislocation. Study of the effectiveness in a placebo-controlled double-blind study] Ambrus P, et al. **Fortschr Med** 1987 Apr 30;105(13):259–62 (Eng. Abstr.) **(Ger)**
[Claw plates—new implants for para-articular osteosynthesis] Berentey G, et al. **Unfallchirurgie** 1986 Dec;12(6):327–31 (Eng. Abstr.) **(Ger)**
[Hemosorption in the complex treatment of patients with severe suppurative complications of injuries of the limb joints] Kosiakov AN. **Klin Khir** 1986;(12):33–4 (Eng. Abstr.) **(Rus)**
[Mechanotherapy in multiple injuries] Kaptelin AF, et al. **Ortop Travmatol Protez** 1987 Feb;(2):49–50 **(Rus)**
[Status of the joints of the lower extremities in sports veterans] Mironova ZS, et al. **Ortop Travmatol Protez** 1987 Jan;(1):32–6 (Eng. Abstr.) **(Rus)**

INNERVATION

Innervation of lumbar zygapophyseal joint synovial folds. Giles LG, et al. **Acta Orthop Scand** 1987 Feb;58(1):43–6
Algorithms for the segmental motor innervation of the extremities. Peck D, et al. **Am Surg** 1987 May;53(5):270–3
Topography and ultrastructure of sensory nerve endings in the joint capsules of the Kowari (Dasyuroides byrnei), an Australian marsupial. Strasmann T, et al. **Anat Embryol (Berl)** 1987;176(1):1–12
Human zygapophyseal joint capsule and synovial fold innervation. Giles LG, et al. **Br J Rheumatol** 1987 Apr; 26(2):93–8
Interaction between neurons in precentral cortical zones controlling different joints. Kwan HC, et al. **Brain Res** 1987 Jan 6;400(2):259–69
Systems for producing precise movements of a joint over a wide range of speeds and displacements for tests of a static-position sense. Clark FJ, et al. **J Neurosci Methods** 1987 Mar;19(3):193–201
An autoradiographic study of the distribution of sensory

nerve endings in the knee joint of the rat. Kanatani Y, et al. **Nippon Seikeigeka Gakkai Zasshi** 1986 Dec; 60(12):1283–92

METABOLISM

Intraarticular ferritin–bound iron in rheumatoid arthritis. A factor that increases oxygen free radical–induced tissue destruction. Biemond P, et al. **Arthritis Rheum** 1986 Oct; 29(10):1187–93

Effects of immobilization on joints. Akeson WH, et al. **Clin Orthop** 1987 Jun;(219):28–37

[Protein content and protein fractions in the synovia and serum of cattle with healthy joints and cattle with aseptic or infected arthritis] Karatzias H, et al. **Zentralbl Veterinarmed** [A] 1986 Sep;33(7):504–8 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Prediction of progressive joint damage in patients with rheumatoid arthritis receiving gold or D–penicillamine therapy. Dawes PT, et al. **Ann Rheum Dis** 1986 Nov; 45(11):945–9

Serum lactic dehydrogenase as a marker of joint damage in rheumatoid arthritis [letter] Thompson PW, et al. **Ann Rheum Dis** 1987 Mar;46(3):263

Histopathology of arthritis induced in rats by active immunization to mycobacterial antigens or by systemic transfer of T lymphocyte lines. A light and electron microscopic study of the articular surface using cationized ferritin. Stanescu R, et al. **Arthritis Rheum** 1987 Jul; 30(7):779–92

Articular indices of joint inflammation in rheumatoid arthritis. Correlation with the acute–phase response. Thompson PW, et al. **Arthritis Rheum** 1987 Jun; 30(6):618–23

A prospective study comparing the clinical examination of peripheral joints with radionuclide scintigraphy in patients with rheumatoid arthritis. Tannenbaum H, et al. **Clin Exp Rheumatol** 1987 Jan–Mar;5(1):11–6

Syphilitic juxta–articular nodes: case report. Murugan S, et al. **Genitourin Med** 1987 Feb;63(1):57–9

Muramyl dipeptide induces acute joint inflammation in the mouse. Koga T, et al. **Microbiol Immunol** 1986;30(7):717–23

Ultrastructural analyses of developing sternocostal cartilage in the (ch) hydrocephalic mouse. Richardson RR, et al. **Mt Sinai J Med (NY)** 1987 Feb;54(2):150–3

High resolution MR imaging of peripheral joints using a quadrature coil at 0.35 T. Mark S, et al. **ROFO** 1987 Apr; 146(4):397–400

[Scanning electron microscopy studies in arthritic changes in the malleus incus joint and reflections on the function of the middle ear muscles] Hüttenbrink KB. **Laryngol Rhinol Otol (Stuttg)** 1987 Apr;66(4):180–5 (Eng. Abstr.) **(Ger)**

[Effect of superoxide dismutase on an arthritis model in the rabbit. A scanning electron microscopy study] Neumüller J, et al. **Z Rheumatol** 1986 Nov–Dec;45(6):312–8 (Eng. Abstr.) **(Ger)**

[Changes in the cartilage of the rat knee joint caused by running stress—a contribution to arthrosis research] Petzold E, et al. **ZFA** 1987 Jan–Feb;42(1):45–9 (Eng. Abstr.) **(Ger)**

[The use of contact thermography for evaluating joint inflammation in rheumatoid arthritis] Semin VA, et al. **Ter Arkh** 1987;59(4):51–3 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Concepts of biomechanics, movement patterns and the importance of the joint capsule in manual medicine. Stevens A. **Acta Belg Med Phys** 1986 Jul–Sep;9(3):195–202

Experimental studies on the influences of physical activity on ligaments, tendons and joints: a brief review. Tipton CM, et al. **Acta Med Scand [Suppl]** 1986;711:157–68 (42 ref.)

Factors associated with joint mobility in an adolescent population. Silman AJ, et al. **Ann Rheum Dis** 1987 Mar; 46(3):209–12

Weight bearing controls glycosaminoglycan concentration and articular cartilage thickness in the knee joints of young beagle dogs. Kiviranta I, et al. **Arthritis Rheum** 1987 Jul; 30(7):801–9

The human arm as a redundant manipulator: the control of path and joint angles. Cruse H, et al. **Biol Cybern** 1987; 57(1–2):137–44

Simulation studies on the control of posture and movement in a multi–jointed limb. Lacquaniti F, et al. **Biol Cybern** 1986;54(6):367–78

Muscle models: what is gained and what is lost by varying model complexity. Winters JM, et al. **Biol Cybern** 1987; 55(6):403–20

Activities at Mayo Clinic Biomechanics Laboratory. An KN, et al. **Biomed Sci Instrum** 1987;23:1–7

Maturation of proteoglycan matrix in articular cartilage under increased and decreased joint loading. A study in young rabbits. Säämänen AM, et al. **Connect Tissue Res** 1987;16(2):163–75

Controlling multijoint motor behavior. Hogan N, et al. **Exerc Sport Sci Rev** 1987;15:153–90 (86 ref.)

Joint moment and mechanical power flow of the lower limb during vertical jump. Fukashiro S, et al. **Int J Sports Med** 1987 Mar;8 Suppl 1:15–21

Mechanism of thixotropic behavior at relaxed joints in the rat. Wiegner AW. **J Appl Physiol** 1987 Apr;62(4):1615–21

Comment on 'On the relation between joint moments and pedalling rates' [letter] Kram R. **J Biomech** 1987; 20(5):554–5

Changes in spatial scale in drawing and handwriting: kinematic contributions by proximal and distal joints. Lacquaniti F, et al. **J Neurosci** 1987 Mar;7(3):819–28

Mandibular border positions and their relationships with peripheral joint mobility. McCarroll RS, et al. **J Oral Rehabil** 1987 Mar;14(2):125–31

A bioengineering analysis of human muscle and joint forces in the lower limbs during running. Harrison RN, et al. **J Sports Sci** 1986 Winter;4(3):201–18

A technique for studying the kinematics of human joints. Part I: Theory. Ohwovoriole EN. **Orthopedics** 1987 Mar; 10(3):441–9 (22 ref.)

Transcutaneous electrical stimulation of the normal rabbit joint. Weinberger A, et al. **Scand J Rehabil Med** 1987; 19(2):67–70

Age changes in lumbar zygapophyseal joints. Observations on structure and function. Taylor JR, et al. **Spine** 1986 Sep;11(7):739–45

[Measuring motion and normal values of the thumb saddle joint using the neutral 0 examination method] Kretschmer F. **Beitr Orthop Traumatol** 1987 Jan;34(1):14–7 (Eng. Abstr.) **(Ger)**

[Mechanics and mechanical properties of the synovial joints] Sasada T. **Iyodenshi To Seitai Kogaku** 1986 Aug;24(4):260–5 (10 ref.) **(Jpn)**

[Methods for the podography, tensiometry and recording of the angular displacements in the joints during research on the biomechanics of walking in young infants (up to 15–18 months of age)] Adzhimolaev TA, et al. **Fiziol Cheloveka** 1987 Mar–Apr;13(2):336–8 **(Rus)**

[Inability to establish a single equilibrium value for the angle of a joint and its relation to the hysteretic properties of muscle contraction] Kostiukov AI. **Neirofiziologiia** 1986; 18(5):699–701 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The intraarticular pressure during shoulder arthrography. A diagnostic aid in rotator cuff tear. Björkenheim JM, et al. **Acta Orthop Scand** 1987 Apr;58(2):128–9

Limited joint mobility in diabetic children: a risk factor of diabetic complications? Madácsy L, et al. **Acta Paediatr Hung** 1986;27(2):91–6

Rheumatoid inflammation and joint destruction: cause and effect or parallel phenomena? Williams JD, et al. **Agents Actions** 1986 Aug;18(5–6):538–43

Joint manifestations in children with juvenile chronic polyarthritis. Ansell BM. **Arthritis Rheum** 1977 Mar;20(2 Suppl):204–6

The diagnostic potential of vibration arthrography. Kernohan WG, et al. **Clin Orthop** 1986 Sep;(210):106–12

Nailfold capillaroscopy in type I diabetics with vasculopathy and limited joint mobility. Trapp RG, et al. **J Rheumatol** 1986 Oct;13(5):917–20

Evaluation of joint mobilization treatment. A method. Olson VL. **Phys Ther** 1987 Mar;67(3):351–6

Limited joint mobility in adults with diabetes mellitus. Shinabarger NI. **Phys Ther** 1987 Feb;67(2):215–8

Schistosomiasis and inflammatory polyarthritis: a clinical, radiological and laboratory study of 96 patients infected by S. mansoni with particular reference to the diarthrodial joint. Atkin SL, et al. **Q J Med** 1986 May;59(229):479–87

The effect of biometeorological factors on Ritchie articular index and pain in rheumatoid arthritis. Dequeker J, et al. **Scand J Rheumatol** 1986;15(3):280–4

[Staging of peritrapezial arthrosis] Kretschmer F. **Beitr Orthop Traumatol** 1987 Jan;34(1):17–23 (Eng. Abstr.) **(Ger)**

[Principles of joint protection in inflammatory joint disease with special reference to biomechanical status] Brattström M. **Orthopade** 1986 Aug;15(4):349–58 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Joint scintigraphy and erosions. Möttönen T, et al. **Ann Rheum Dis** 1986 Nov;45(11):966–7

Sequential technetium–99m HMDP–gallium–67 citrate imaging in the painful prosthesis [letter] McKillop JH, et al. **J Nucl Med** 1987 May;28(5):926–7

[Assessment of kidney function with 99mTc–pyrophosphate during the scintigraphy of the joints in rheumatoid arthritis patients] Davydov GA, et al. **Med Radiol (Mosk)** 1987 Mar; 32(3):57–60 (Eng. Abstr.) **(Rus)**

SURGERY

Substitution of the anterior cruciate ligament: a long–term histologic and biomechanical study with autogenous pedicled grafts of the iliotibial band in dogs. van Rens TJ, et al. **Arthroscopy** 1986;2(3):139–54

Autologous blood transfusion in total joint arthroplasty. Stanisavljevic S, et al. **J Arthroplasty** 1986;1(3):207–9

Arthroscopy—expertise, expedience and expectations [letter] Firer P. **S Afr Med J** 1987 Apr 4;71(7):468

Arthroscopic surgery for the removal of an articular foreign body in a horse. Barr AR. **Vet Rec** 1987 Jul 4;121(1):18

[Arthrodesis of the stifle joint with bolts in the dog and cat] Köstlin RG. **Berl Munch Tierarztl Wochenschr** 1987 Aug 1;100(8):253–64 (Eng. Abstr.) **(Ger)**

[Surgical interventions in psoriatic arthritis] Wessinghage D, et al. **Dtsch Med Wochenschr** 1987 Mar 6;112(10):389–94 (Eng. Abstr.) **(Ger)**

[Long–term results following resection arthroplasty and prosthesis implantation in idiopathic saddle joint arthrosis] Köhler L, et al. **Handchir Mikrochir Plast Chir** 1987 Jul; 19(4):206–9 (Eng. Abstr.) **(Ger)**

[Rheumatoid changes in the foot] Tillmann K. **Orthopade** 1986 Aug;15(4):344–8 (Eng. Abstr.) **(Ger)**

[Penetration of cefotaxime into human bone marrow blood] Endo F, et al. **Jpn J Antibiot** 1986 May;39(5):1273–8 (Eng. Abstr.) **(Jpn)**

[The 59th annual meeting of the Japanese Orthopaedic Association. Tokyo, March 30–April 1, 1986. Abstracts] **Nippon Seikeigeka Gakkai Zasshi** 1986 Sep;60(9):S1–341 **(Jpn)**

TRANSPLANTATION

[Evaluation of survival of grafted joint by bone scintigraphy: experimental studies using rat models] Fujimori K, et al. **Kaku Igaku** 1986 Oct;23(10):1343–50 (Eng. Abstr.) **(Jpn)**

JOSAMYCINS see **LEUCOMYCINS**

JOURNALISM, DENTAL see under **PUBLISHING**

JUDAISM

see related
JEWS

Pain and suffering: views of Jewish theology. Levinson NP. **Acta Neurochir [Suppl] (Wien)** 1987;38:129–31

Dizygotic twinning, cycle day of insemination, and erotic potential of Orthodox Jews. James WH. **Am J Hum Genet** 1986 Oct;39(4):542–4

Human fertilization and embryology—a Jewish view. Jakobovits I. **Med Sci Law** 1987 Jul;27(3):185–6

A dissent on "Medical ethics: the Jewish point of view" [letter] Bloch H. **Mt Sinai J Med (NY)** 1987 May;54(4):359–60

Religious observance and plasma lipids and lipoproteins among 17–year–old Jewish residents of Jerusalem. Friedlander Y, et al. **Prev Med** 1987 Jan;16(1):70–9

Infertility investigation in the orthodox Jewish man. Lissoos I. **S Afr Med J** 1986 Dec 20;70(13):831

[Halachic aspects of the obligations of the physician and the determination of his remuneration (editorial)] Yogel H. **Harefuah** 1986 Jul;111(1–2):49–51 **(Heb)**

HISTORY

Bloodletting in talmudic times. Rosner F. **Bull NY Acad Med** 1986 Nov;62(9):935–46

The Essenes and medicine. A comparative study of medical and para–medical items with reference to ancient Jewish lore. Kottek S. **Clio Med** 1983;18(1–4):81–99

JUDGMENT

Right hemisphere patients' judgements on emotions. Semenza C, et al. **Acta Neurol Scand** 1986 Jul;74(1):43–50

Contingency judgment: primacy effects and attention decrement. Yates JF, et al. **Acta Psychol (Amst)** 1986 Aug; 62(3):293–302

Ratio scales for the gravity of crimes and offenses. Borg I. **Arch Psychol (Frankf)** 1986;138(2):103–12

Evaluating decision aiding technologies for genetic counseling. Pitz GF. **Birth Defects** 1987;23(2):251–78

Strength of performance and examination assessment. French S, et al. **Br J Math Stat Psychol** 1986 May;39 (Pt 1):1–14

The influence of alcohol on judgement of facial expression of emotion. Borrill JA, et al. **Br J Med Psychol** 1987 Mar; 60 (Pt 1):71–7

Conditions for assigning blame: the impact of necessity and sufficiency. McGraw KM. **Br J Soc Psychol** 1987 Jun;26 (Pt 2):109–17

Diabetologists' judgments of diabetic control: reliability and mathematical simulation. Spevack M, et al. **Diabetes Care** 1987 Mar–Apr;10(2):217–24

The category effect with rating scales: number of categories, number of stimuli, and method of presentation. Parducci A, et al. **J Exp Psychol [Hum Percept]** 1986 Nov; 12(4):496–516

Systematic errors in medical decision making: judgment limitations. Dawson NV, et al. **J Gen Intern Med** 1987 May–Jun;2(3):183–7 (18 ref.)

Mood effects on person–perception judgments. Forgas JP, et al. **J Pers Soc Psychol** 1987 Jul;53(1):53–60

Cognitive processes and individual differences in judgments relevant to drunk driving. Jaccard J, et al. **J Pers Soc Psychol** 1987 Jul;53(1):133–45

Person memory and judgments: the impact of information that one is told to disregard. Wyer RS Jr, et al. **J Pers Soc Psychol** 1987 Jul;53(1):14–29

Substituted judgment: the courts speak for the speechless. Classen HW. **Med Law** 1986;5(3):199–219

Dealing with errors of clinical judgment. Bolt D. **Med Leg J** 1986;54 (Pt 4):220–35

Hemispheric differences in the judgment of number. Boles DB. **Neuropsychologia** 1986;24(4):511–9

Referral of asthmatics to a psychologist [letter] Taylor GH, et al. **NZ Med J** 1986 Dec 10;99(815):960–1

The time it takes to make judgments of velocity. Costermans J, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 1):703–10
Is medical judgment good judgment? Brooks H. **Pharos** 1987 Spring;50(2):17–22
Errors and mistakes: evaluating the accuracy of social judgment. Funder DC. **Psychol Bull** 1987 Jan;101(1):75–90
Perception of risk. Slovic P. **Science** 1987 Apr 17; 236(4799):280–5
[Non-additivity as evidence of the moral nature of the integration of damage and compensation (published erratum appears in Arch Psychol (Frankf) 1986;138(3):following 209)] Hommers W. **Arch Psychol (Frankf)** 1986;138(2):71–89 (Eng. Abstr.) **(Ger)**
[Judgments on representativeness heuristics] Oswald M. **Arch Psychol (Frankf)** 1986;138(2):113–25 (Eng. Abstr.) **(Ger)**
[Effects of outcome and ability information on children's effort judgements] Tanaka S. **Shinrigaku Kenkyu** 1987 Feb; 57(6):379–82 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Is event frequency encoded automatically? The case of alcohol intoxication. Birnbaum IM, et al. **J Exp Psychol [Learn Mem Cogn]** 1987 Apr;13(2):251–8

JUGAL BONE see **ZYGOMA**

JUGULAR VEINS

Central venous access via the external jugular vein in cardiovascular surgery. Berthelsen P, et al. **Acta Anaesthesiol Scand** 1986 Aug;30(6):470–2
Echocardiographic findings in patients with a positive jugular venous pulse tracing. Ghiringhelli S, et al. **Acta Cardiol (Brux)** 1986;41(3):215–7
Benign intracranial hypertension: a complication of subclavian vein catheterization and arteriovenous fistula. Lal SM, et al. **Am J Kidney Dis** 1986 Oct;8(4):262–4
Safe jugular and subclavian venipuncture under ultrasonographic guidance. Machi J, et al. **Am J Surg** 1987 Mar;153(3):321–3
Spontaneous thrombosis of the internal jugular vein. Kennedy KS, et al. **Ann Otol Rhinol Laryngol** 1987 Mar–Apr;96(2 Pt 1):222–4
Internal jugular vein cannulation with two silicone rubber catheters: a new and safe temporary vascular access for hemodialysis. Thirty months' experience. Canaud B, et al. **Artif Organs** 1986 Oct;10(5):397–403
Developing antler, a model for endocrine regulation of bone growth. I. Concentration gradient of T3, T4, and alkaline phosphatase in the antler, jugular, and the saphenous veins. Bubenik GA, et al. **Calcif Tissue Int** 1987 Jul;41(1):38–43
Hemopericardium resulting from attempted internal jugular vein catheterization: a case report and review of complications of central venous catheterization. Carr M, et al. **Cardiovasc Intervent Radiol** 1986;9(4):214–8
Thrombophlebitis of the jugular vein. Anand VK, et al. **Ear Nose Throat J** 1987 Feb;66(2):64–8
Internal jugular vein thrombosis after subclavian vein cannulation: detection by computed tomography. Lal SM, et al. **Int J Artif Organs** 1986 Jul;9(4):251–2
Internal jugular phlebectasia. Bowdler DA, et al. **Int J Pediatr Otorhinolaryngol** 1986 Dec;12(2):165–71
Triple lumen venous access for pediatric bone marrow transplantation candidates. Weese JL, et al. **J Surg Oncol** 1987 Sep;36(1):55–7
Real-time ultrasound diagnosis of internal jugular vein thrombosis. de Witte BR, et al. **JCU** 1986 Nov–Dec; 14(9):712–7
Diagnosis of internal jugular vein thrombosis. Albertyn LE, et al. **Radiology** 1987 Feb;162(2):505–8
Spontaneous internal jugular vein thrombosis and venous-stasis retinopathy. Gutteridge IF, et al. **Stroke** 1987 Jul–Aug;18(4):808–11
[Catheter malposition following puncture of the right internal jugular vein] Dworschak D. **Anaesthesiol Reanim** 1986; 11(4):255–6 (Eng. Abstr.) **(Ger)**
[Puncture of the vena brachiocephelica (letter)] Schregel W. **Anaesthesist** 1987 May;36(5):246–7 **(Ger)**
[Internal jugular vein catheter—success rate and complications with reference to educational status] Fleischer F, et al. **Anasth Intensivther Notfallmed** 1987 Apr; 22(2):94–8 (Eng. Abstr.) **(Ger)**
[Catheterization of the jugular vein (vena jugularis interna). The advantage of Boulanger's technic] Villette B, et al. **Anat Anz** 1987;163(1):57–62 (Eng. Abstr.) **(Ger)**
[The origin of thrombophlebitis in the horse—the contribution of acquired hypercoagulability] Gerhards H. **DTW** 1987 Mar 9;94(3):173–4 (Eng. Abstr.) **(Ger)**
[Iatrogenic thrombosis of the jugular vein. A case report] Lenarz T, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 May; 66(5):283–5 (Eng. Abstr.) **(Ger)**
[A case of internal jugular vein thrombosis] Hirohashi S, et al. **Rinsho Hoshasen** 1987 Mar;32(3):431–4 (Eng. Abstr.) **(Jpn)**
[Jugular venous reflux observed on radionuclide angiogram] Mashimo M, et al. **Rinsho Hoshasen** 1986 Jun;31(6):729–30 **(Jpn)**
[Rare variants of catheter position after catheterization of the right internal jugular vein] Marochkov AV, et al. **Klin Khir** 1987;(1):64 **(Rus)**
[Catheterization of central veins in children] Sleptsov VP, et al. **Klin Khir** 1987;(6):50–1 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Dehiscent jugular bulb. Smith B, et al. **Ann Otol Rhinol Laryngol** 1987 Mar–Apr;96(2 Pt 1):232–3
Tinnitus originating from an abnormal jugular bulb: treatment by jugular vein ligation. Golueke PJ, et al. **J Vasc Surg** 1987 Sep;6(3):248–51
A dehiscent jugular megabulb associated with a dominant occipital sinus. Willinsky RA, et al. **Neuroradiology** 1987; 29(4):408

ANATOMY & HISTOLOGY

Anatomic and pathophysiologic studies of the human internal jugular valve. Dresser LP, et al. **Am J Surg** 1987 Aug; 154(2):220–4
Venous distribution of superficial cervical region in rhesus (Macaca mulatta) monkey. Al-Lami F, et al. **Anat Rec** 1986 Sep;216(1):82–4
Prior carotid surgery does not affect the reliability of landmarks for location of the internal jugular vein. Horrow JC, et al. **Anesth Analg** 1987 May;66(5):452–6
[Unusual faulty placement of an internal jugular catheter] Schwarzmann G, et al. **Dtsch Med Wochenschr** 1987 Aug 28;112(35):1338–40 (Eng. Abstr.) **(Ger)**
[Variants of the position of the jugular trunks] Levenets AA, et al. **Arkh Anat Gistol Embriol** 1986 Nov;91(11):51–3 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Effect of different oxygen saturations on venous versus arterial endothelial cell growth in vitro. Lindblad B, et al. **Cell Struct Funct** 1987 Apr;12(2):219–21

INJURIES

[Traumatic arteriovenous aneurysm of the vertebral artery and internal jugular vein] Shor NA, et al. **Khirurgiia (Mosk)** 1987 Jun;(6):122–3 **(Rus)**

PATHOLOGY

A comparative experimental study of the organization of arterial and venous thrombi. Usui Y, et al. **Ann Surg** 1987 Mar;205(3):312–7
Endothelial loss due to leukocytes in canine experimental vein-to-artery grafts. Lerner RG, et al. **Blood Vessels** 1986; 23(4–5):173–82
Venous clots: evaluation with MR imaging. Rapoport S, et al. **Radiology** 1987 Feb;162(2):527–30

PHYSIOLOGY

Comparison of pressures measured from the proximal external jugular vein and from a central vein [letter] Kumar CM. **Br J Anaesth** 1987 Jun;59(6):806

PHYSIOPATHOLOGY

Jugular phlebogram in congenital absence of the pericardium. Matsuhisa M, et al. **Am Heart J** 1986 Nov;112(5):1004–10
Diagnosis of tricuspid regurgitation: comparison of jugular venous and liver pulse tracings with combined two-dimensional and Doppler-echocardiography. Scheck-Krejca H, et al. **Eur Heart J** 1986 Nov;7(11):973–8

RADIOGRAPHY

The teenager's swollen neck. Robinson AC, et al. **Br J Radiol** 1986 Nov;59(707):1127–8
Jugular vein thrombosis in a patient with congestive cardiomyopathy: use of computed tomography for initial diagnosis. Bessoudo R, et al. **Can Med Assoc J** 1987 Jun 15;136(12):1275–6
"Atraumatic" transjugular needle for portal vein puncture in swine. Uchida BT, et al. **Radiology** 1987 May;163(2):580–1
[Blue tympanic membrane. Apropos of 3 cases] Pharaboz C, et al. **J Radiol** 1986 Apr;67(4):289–93 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

A comparison of radiolabelled agents for thrombus imaging using a rabbit model. Campbell J, et al. **Int J Rad Appl Instrum [B]** 1986;13(3):295–300

SURGERY

[Experiences in the anastomosis of the thoracic duct and internal jugular vein] Xie YZ, et al. **Chung Hua Wai Ko Tsa Chih** 1987 Feb;25(2):101–2, 126–7 (Eng. Abstr.) **(Chi)**
[The peritoneo-jugular shunt in the treatment of ascites] Gelin M, et al. **Rev Med Brux** 1987 Apr;8(4):212–3 (Eng. Abstr.) **(Fre)**
[Horner syndrome following percutaneous puncture of the internal jugular vein—a case report] Prenzel E, et al. **Anaesthesiol Reanim** 1986;11(6):365–7 (Eng. Abstr.) **(Ger)**
[A method of transjugular catheterization of the thoracic duct with formation of lymphovenous anastomosis] Sitnikov VA, et al. **Vestn Khir** 1986 Nov;137(11):122–3 **(Rus)**

TRANSPLANTATION

Decreased sensitivity to norepinephrine in vein bypass grafts. Makhoul RG, et al. **Curr Surg** 1987 Jan–Feb;44(1):46–8
Arterialization of reversed autogenous vein grafts: quantitative light and electron microscopy of canine jugular vein grafts harvested and implanted by standard or improved techniques. Adcock GD, et al. **J Vasc Surg** 1987 Sep;6(3):283–95
Intimal integrity and fibrinolytic potential of reversed and in situ vein grafts. Boyd JH, et al. **J Vasc Surg** 1987 Apr; 5(4):614–21
Kinetics of vein graft hyperplasia: association with tangential stress. Zwolak RM, et al. **J Vasc Surg** 1987 Jan;5(1):126–36
[Injury of the common femoral vein with considerable loss of substance. Repair using an internal jugular autologous vein graft] Solovei G, et al. **J Chir (Paris)** 1986 Nov; 123(11):635–8 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Leukocyte mediated vein injury and thrombosis is reduced by a lipoxygenase inhibitor. Schaub RG, et al. **Exp Mol Pathol** 1986 Dec;45(3):343–53

JUNGIAN THEORY see under **PSYCHOANALYTIC THEORY**

JUNIPER see **TREES**

JURISPRUDENCE

see related
FORENSIC DENTISTRY
FORENSIC MEDICINE

Perspectives in the development of asbestos litigation and its future implications. Parnell AH. **Am Ind Hyg Assoc J** 1986 Nov;47(11):708–11
Agent A. Genetics and litogens [editorial] Hecht F. **Am J Dis Child** 1987 Aug;141(8):839–40
National Safety Council's Committee on Alcohol and Drugs [letter] Dubowski KM. **Am J Forensic Med Pathol** 1986 Sep;7(3):266
The influence of expert witnesses on the sentence. A case report with notes on the medical and forensic expert's responsibility. Giusti GV. **Am J Forensic Med Pathol** 1986 Sep;7(3):241–3
When the courts define nursing: what it is, what it does. Cushing M. **Am J Nurs** 1987 Jun;87(6):773–4
Orthodontics and the liability crisis [editorial] Buchsieb WC. **Am J Orthod Dentofacial Orthop** 1986 Oct;90(4):271–2
Abortion and the Supreme Court: why legislative motive matters. Glantz LH. **Am J Public Health** 1986 Dec; 76(12):1452–5
Selecting presumably radiogenic cancers for compensation [letter] Johnson CJ. **Am J Public Health** 1987 Jan; 77(1):93–4
The Medical Defence Union. How the United Kingdom copes with mishap and malpractice. Hawkins C. **Ann Surg** 1987 Feb;205(2):213–7
Attitudes toward behavior modification. A comparison of prison, criminal justice, and other undergraduate populations. Boivin MJ, et al. **Behav Modif** 1986 Oct; 10(4):435–56
A comparison of female and male drivers arrested on suspicion of driving under the influence of alcohol or drugs. Gjerde H, et al. **Blutalkohol** 1986 Nov;23(6):438–43
Anaesthesia and the law: the North American experience. Cheney FW. **Br J Anaesth** 1987 Jul;59(7):891–900 (19 ref.)
Legal obligations and responsibilities of the medical practitioner. Finch JD. **Br J Anaesth** 1987 Jul;59(7):870–6
Complications and medico-legal aspects of anaesthesia [editorial] Smith G, et al. **Br J Anaesth** 1987 Jul;59(7):813–4
Post-traumatic stress disorder: does it clear up when the litigation is settled? [editorial] Cohen RI. **Br J Hosp Med** 1987 Jun;37(6):485
Have "formal investigations" into fishing vessel losses ceased? Reilly MS. **Br J Ind Med** 1987 Jan;44(1):7–13
What a rheumatologist should know about the law: I. Battery, breach of contract and negligence. Wright SJ. **Br J Rheumatol** 1987 Apr;26(2):147–52
Sterilisation of mentally handicapped woman. Dyer C. **Br Med J [Clin Res]** 1987 Mar 28;294(6575):825
Benoxaprofen case makes legal history. Dyer C. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):39–40
Suing tobacco companies. Dyer C. **Br Med J [Clin Res]** 1986 Aug 30;293(6546):520
Father fails in attempt to stop girlfriend's abortion. Dyer C. **Br Med J [Clin Res]** 1987 Mar 7;294(6572):631–2
Civil commitment to outpatient psychotherapy: a case study. Schneider-Braus K. **Bull Am Acad Psychiatry Law** 1986; 14(3):273–9
Should mandatory retirement rules apply to doctors? Gilmore A. **Can Med Assoc J** 1987 Aug 1;137(3):229–31
AIDS: medicolegal considerations for Canadian hospitals. Johnson BJ, et al. **Can Med Assoc J** 1986 Nov 15; 135(10):1091–6
Legal implications of premenstrual syndrome: a Canadian perspective. Meehan E, et al. **Can Med Assoc J** 1986 Sep 15;135(6):601–8
Legal implications of premenstrual syndrome: a Canadian perspective [letter] Robinson GE. **Can Med Assoc J** 1986 Dec 15;135(12):1340–1

Ethical and legal issues in perinatology. **Clin Perinatol** 1987 Jun;14(2):263–431
The law and congenital malformations. Brent RL. **Clin Perinatol** 1986 Sep;13(3):505–44 (170 ref.)
Legal and ethical implications of surrogate mother contracts. Cohen B, et al. **Clin Perinatol** 1987 Jun;14(2):281–92 (34 ref.)
Ethical and legal issues in the care of the impaired newborn. Moreno JD. **Clin Perinatol** 1987 Jun;14(2):345–60
Withholding of nutrition and fluids in the hopelessly ill patient. Paris JJ, et al. **Clin Perinatol** 1987 Jun;14(2):367–77
Ethical and legal issues in adolescent pregnancy. Silber TJ. **Clin Perinatol** 1987 Jun;14(2):265–70 (35 ref.)
The Baby M case: background and conclusions. Healey JM. **Conn Med** 1987 May;51(5):345
The Baby M case: findings and implications. Healey JM. **Conn Med** 1987 Jun;51(6):407
Driving and diabetes: a summary of the current medical and legal position based upon a recent heavy goods vehicle (HGV) case. Cockram CS, et al. **Diabetic Med** 1986 Mar; 3(2):137–40
Hypoglycaemia and criminal responsibility: a guide to a lawyer's view of diabetes. Tattersall R. **Diabetic Med** 1986 Sep–Oct;3(5):470–2, 474
Ethical and legal issues in cryopreservation of human embryos. Robertson JA. **Fertil Steril** 1987 Mar;47(3):371–81
Supreme Court rulings on pension plans: the effect on retirement age and wealth of single people. Gohmann SF, et al. **Gerontologist** 1987 Aug;27(4):471–7
Forensic social work in a mental health setting. Goldmeier J, et al. **Health Soc Work** 1986 Fall;11(4):245–53
The child as a witness. Benedek EP, et al. **Hosp Community Psychiatry** 1986 Dec;37(12):1225–9
The prosecution of psychiatric patients for assaults on staff: a preliminary empirical study. Hoge SK, et al. **Hosp Community Psychiatry** 1987 Jan;38(1):44–9
Factors affecting the decision to prosecute mental patients for criminal behavior. Miller RD, et al. **Hosp Community Psychiatry** 1987 Jan;38(1):50–5
Reproductive technology and the law in Canada. Knoppers B. **Hum Reprod** 1986 Jun;1(4):259–61
The practising lawyer's view of in-vitro fertilization. Low DL. **Hum Reprod** 1986 Sep;1(6):411–2
Legal aspects of freezing and filiation in in-vitro fertilization. Revillard M. **Hum Reprod** 1986 Sep;1(6):413–7
AIDS and the law. Morse SJ, et al. **IMJ** 1987 Jun; 171(6):370–4
Competency to stand trial in juvenile court. Grisso T, et al. **Int J Law Psychiatry** 1987;10(1):1–20
Legal and ethical choices in a technologic discipline: imaging centers, DRGs, and the radiologist. James AE Jr, et al. **Invest Radiol** 1986 Sep;21(9):746–51
Standard of care definition varies. A presentation at the 1986 Fleming memorial lecture, San Francisco, California. Curley AW. **J Am Coll Dent** 1986 Fall;53(3):20–1
Brophy v New England Sinai Hospital, Inc. Brief amicus curiae, Society for the Right to Die, Inc. on behalf of appellant. **J Am Geriatr Soc** 1987 Jul;35(7):669–78
Legal aspects of prescribing for athletes and sportsmen. Classé JG. **J Am Optom Assoc** 1987 Aug;58(8):674–9
Telephone directory mistakes. Hannah HW. **J Am Vet Med Assoc** 1987 May 1;190(9):1104–5
Professional association with unlicensed persons. Hannah HW. **J Am Vet Med Assoc** 1986 Sep 1;189(5):510–1
Product liability and the veterinarian. Hannah HW. **J Am Vet Med Assoc** 1986 Oct 1;189(7):754–5
Drugs—client information and foreseeability. Hannah HW. **J Am Vet Med Assoc** 1986 Dec 1;189(11):1402–3
Liability of directors, officers, and committee members of veterinary medical associations. Hannah HW. **J Am Vet Med Assoc** 1987 Jan 1;190(1):10–1
The liabilities and consequences of medical device development. Price JM. **J Biomed Mater Res** 1987 Apr; 21(A1 Suppl):35–58
View from the Nation's courts. Tarasoff waxes and wanes. Freishtat HW, et al. **J Clin Psychopharmacol** 1987 Jun; 7(3):186–8
View from the Nation's Courts. Freishtat HW. **J Clin Psychopharmacol** 1987 Aug;7(4):269–71
View from the Nation's Courts. Freishtat HW. **J Clin Psychopharmacol** 1986 Oct;6(5):308–9
Groping in the dark with humility. Melnick M. **J Craniofac Genet Dev Biol** 1987;7(1):1–6
The weight of the evidence—or—more likely than not. Melnick M. **J Craniofac Genet Dev Biol** 1986;6(3):203–6
Adjusting to new environments: law schools search for meaning in change. Zimmer BI. **J Dent Educ** 1987 Mar; 51(3):151–9
Litigious paranoids and the legal system: the role of the forensic psychiatrist. Goldstein RL. **J Forensic Sci** 1987 Jul;32(4):1009–15
Medicolegal aspects of anaesthesia. Paul AK, et al. **J Indian Med Assoc** 1986 Feb;84(2):52–5
Forensic audiology. Chuang WP. **J Laryngol Otol [Suppl]** 1986;11:1–57
Reasonable: the keystone of negligence. Norrie KM. **J Med Ethics** 1987 Jun;13(2):92–4
June, bioethics and the Supreme Court. Gardell MA. **J Med Philos** 1986 Aug;11(3):285–90
Attorneys concerned about use of midazolam [letter] Splaver TE. **J Oral Maxillofac Surg** 1987 May;45(5):382
Sentencing goals, causal attributions, ideology, and personality. Carroll JS, et al. **J Pers Soc Psychol** 1987 Jan; 52(1):107–18
Moral/ethical choices: sensory overload. Lindeli AR. **J Prof Nurs** 1985 May–Jun;1(3):128, 182
Legal and ethical issues. Documentation: a nurse's best defense. Napiewocki JK. **J Prof Nurs** 1985 Nov–Dec; 1(6):321
Antifluoridationists persist: the constitutional basis for fluoridation. Block LE. **J Public Health Dent** 1986 Fall; 46(4):188–98
Medical indemnity for service medical and dental officers [editorial] **J R Army Med Corps** 1987 Feb;133(1):7–8
Orthopaedic manholes and rabbit holes: some thoughts on medical negligence. Thomas TG. **J R Soc Med** 1986 Dec; 79(12):701–7
Individual and institutional liability for transfusion-acquired diseases. An update. Rabkin B, et al. **JAMA** 1986 Oct 24–31;256(16):2242–3
Penicillin overdose and deafness. Brahams D. **Lancet** 1987 Jun 20;1(8547):1445
Private treatment for drug dependence: GMC ban upheld by Privy Council. Brahams D. **Lancet** 1987 Sep 19; 2(8560):696–7
An action by putative father and unborn fetus to prevent termination. Brahams D. **Lancet** 1987 Mar 7;1(8532):576–7
Roussel convicted of misleading promotion. Collier, et al. **Lancet** 1987 Jan 10;1(8524):113–4
Tobacco and asbestos litigation [letter] Goffe TR. **Lancet** 1986 Oct 4;2(8510):811–2
Legal interference and clinical freedom [letter] Lunn JN. **Lancet** 1987 Jan 3;1(8523):45
Legal aspects of sexually transmitted diseases. Flannery FT, et al. **Md Med J** 1987 Jan;36(1):77–80
Ethical and legal issues in geriatrics: competence and patient choice. Levenson SA. **Md Med J** 1986 Nov;35(11):933–7
Vasectomies are legal—even in Queensland. Gerber P. **Med J Aust** 1987 Jan 19;146(2):84–7
Children as witnesses: psycholegal aspects of the English and Scottish system. Flin RH, et al. **Med Law** 1987;6(4):275–91
Burns, abortions and dying declarations. Frazier HC. **Med Law** 1986;5(5):431–40
Criminal court proceedings in England: the contribution of the psychologist as an expert witness. Gudjonsson GH. **Med Law** 1986;5(5):395–404
Dental ethics in practice. Halsband ER. **Med Law** 1986; 5(6):499–503
Mentally retarded persons and the criminal justice system. Hewitt SE. **Med Law** 1986;5(4):265–72
The physician's duty to stop, look, listen, and communicate. Hirsh HL. **Med Law** 1986;5(6):449–61
Physician countersuits. A chronology of losses and wins. Part I. Hirsh HL. **Med Law** 1987;6(1):13–21 (49 ref.)
Physician countersuits. A chronology of losses and wins. Part II. Hirsh HL. **Med Law** 1987;6(1):23–33 (76 ref.)
Physician countersuits. A chronology of losses and wins. Part III. Hirsh HL. **Med Law** 1987;6(1):35–44 (13 ref.)
Public health professionals and legal liability: from police officer to policed. Kapp MB. **Med Law** 1986;5(5):379–85
The female offender and psychiatric referral: the medicalisation of female deviance? Offen L. **Med Law** 1986; 5(4):339–48
Why stipendaries? Bartle R. **Med Leg J** 1986;54 (Pt 4):236–50
The impact of the product liability directive upon medicine and pharmacy. Dworkin G. **Med Leg J** 1987;55 (Pt 1):25–51
The function of mental health review tribunals under the Mental Health Act 1983. Mawson DS. **Med Sci Law** 1986 Oct;26(4):291–4
Malignant hyperthermia during general anesthesia: medico-legal considerations. Paladino TR. **Med Trial Tech Q** 1982 Winter;28(3):242–54
Legal implications of artificial conception. Making babies makes law. Palm MT. **Med Trial Tech Q** 1982 Spring; 28(4):404–23
Implantable medical devices and products liability. Posner K. **Med Trial Tech Q** 1982 Winter;28(3):255–78
Medical implants and the law. Schreiber JA. **Med Trial Tech Q** 1982 Spring;28(4):445–50
The case for extended recovery in posttraumatic epilepsy. Stevens MD. **Med Trial Tech Q** 1980 Fall;27(2):201–17
Due process is a time consuming protection. DeKornfeld TJ. **Mich Med** 1987 Feb;86(2):65–6
Legal perceptions and medical decision making. Kapp MB, et al. **Milbank Q** 1986;64 Suppl 2:163–202
Teratogens and "litogens"Mills JL, et al. **N Engl J Med** 1986 Nov 6;315(19):1234–6
Obtaining access to data from government-sponsored medical research. Yolles BJ, et al. **N Engl J Med** 1986 Dec 25;315(26):1669–72
Tobacco companies win round in health battle [news] Palca J. **Nature** 1987 Sep 3–9;329(6134):3
The professional status of nursing: a view from the courts. Murphy EK. **Nurs Outlook** 1987 Jan–Feb;35(1):12–5
Judicial perspectives on nursing. Northrop C. **Nurs Outlook** 1987 May–Jun;35(3):150
Disciplinary reforms [letter] Senkowsky AM. **NY State Dent J** 1987 Jan;53(1):8
The jury is a crowd [letter] Cook AW. **NY State J Med** 1987 Feb;87(2):128
Chicago lawsuit draws new interest in second-hand liability claims. Goerth CR. **Occup Health Saf** 1987 May;56(5):57
Legal responsibilities and liabilities when treating child abuse. Dobbs D. **Pediatr Emerg Care** 1986 Mar;2(1):40–4
Perceptions by the aged of crime, criminals, and the criminal justice system. Davis SK, et al. **Percept Mot Skills** 1986 Dec;63(3):1149–50
Reflections of a J.D., M.D. James AE Jr. **Pharos** 1987 Spring; 50(2):10–2
Legal disclaimers [letter] Antell DE. **Plast Reconstr Surg** 1987 Jan;79(1):146–7
Inflatable breast implant [letter] Kotoske TE. **Plast Reconstr Surg** 1987 Aug;80(2):321
Medicolegal aspects of mental retardation. Smith SM, et al. **Psychiatr Clin North Am** 1986 Dec;9(4):699–712 (85 ref.)
1986 and beyond. A look into the future. Stavrakaki C, et al. **Psychiatr Clin North Am** 1986 Dec;9(4):797–803
Technical and policy issues in assigned share calculations: a comment on Lagakos and Mosteller. Cox LA Jr. **Risk Anal** 1986 Sep;6(3):373–5
Assigned shares in compensation for radiation-related cancers. Lagakos SW, et al. **Risk Anal** 1986 Sep;6(3):345–57
Who needs causation probabilities? Lave LB. **Risk Anal** 1986 Sep;6(3):359–61
The uncertainties of assigned shares tort compensation: what we don't know can hurt us. Rosenberg D. **Risk Anal** 1986 Sep;6(3):363–9
Assigned shares and combined insults. Seiler FA. **Risk Anal** 1986 Sep;6(3):371–2
Court rejects Rifkin in biotech cases [news] Crawford M. **Science** 1987 Jan 9;235(4785):159
Scientific fraud and prosecution [letter] Laderman RS. **Science** 1987 Jun 26;236(4809):1613
Immune system theories on trial [news] Marshall E. **Science** 1986 Dec 19;234(4783):1490–2
Deciding the care of infants with poor prognosis. Areen J. **Semin Perinatol** 1987 Jul;11(3):254–6
Legal responsibilities of veterinarians in the control of zoonotic diseases. Hannah HW. **Vet Clin North Am [Small Anim Pract]** 1987 Jan;17(1):27–37 (22 ref.)
Binding out clauses [letter] Porter AR. **Vet Rec** 1986 Dec 6;119(23):584
[The death certificate (letter)] Enschedé CJ. **Ned Tijdschr Geneeskd** 1986 Aug 30;130(35):1576–7 **(Dut)**
[Death certificates (letter)] Vroom-Kastelein WR. **Ned Tijdschr Geneeskd** 1986 Oct 18;130(42):1909–10 **(Dut)**
[Liability in veterinary medicine] Hazewinkel HA. **Tijdschr Diergeneeskd** 1986 Dec 15;111(24):1266–70 (Eng. Abstr.) **(Dut)**
[Medical jurisprudence problems raised by transsexualism in 1986. Apropos of 148 cases of gender dysphoria] Frohwirth C, et al. **Ann Med Interne (Paris)** 1987;138(1):8–12 (Eng. Abstr.) **(Fre)**
[Medical responsibility in cases of suicide in hospitals] Tholose A. **Ann Med Psychol (Paris)** 1986 Mar; 144(3):243–62 (Eng. Abstr.) **(Fre)**
[Pregnancy and unexpected children following failed sterilization and voluntary pregnancy interruption. 2: Bases of civil responsibility in cases of failed induced abortion or sterilization and the prevention of medicolegal risks] Soutoul JH, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(5):593–602 (Eng. Abstr.) **(Fre)**
[The French physician and judge confronting the transsexual in 1986. I. The position of French and foreign jurisprudence] Soutoul JH, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(7):873–85 (18 ref.) (Eng. Abstr.) **(Fre)**
[The physician, The French judiciary and transsexuals in 1986. II. Three basic questions: treatment, legal change of sex and possible recourse to the legislator] Soutoul JH, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986; 15(8):1009–20 (Eng. Abstr.) **(Fre)**
[The behavior of the perpetrator in cases of missing persons with a hidden or removed cadaver] Brinker H. **Arch Kriminol** 1987 May–Jun;179(5–6):129–35 **(Ger)**
[Knowledge, attitude tolerance and age as forensic conditions for accuracy of testimony] Scholz OB, et al. **Arch Psychol (Frankf)** 1986;138(2):91–101 (Eng. Abstr.) **(Ger)**
[Veterinary contracts with protection for third parties—expanded liability of veterinarians; for example, for faulty opinions and for persons not party to the contract] Fellmer E. **Berl Munch Tierarztl Wochenschr** 1987 Feb 1;100(2):59–61 (Eng. Abstr.) **(Ger)**
[Alcohol offenses in disciplinary law] Fischer J. **Blutalkohol** 1986 Nov;23(6):413–7 (Eng. Abstr.) **(Ger)**
[Irresponsibility and reduced responsibility and the blood alcohol limit] Zabel GE. **Blutalkohol** 1986 Jul;23(4):262–79 (Eng. Abstr.) **(Ger)**
[Legal questions in connection with HIV infection and AIDS] Rieger HJ. **Dtsch Med Wochenschr** 1987 May 1; 112(18):736–8 **(Ger)**
[The granting of interviews by physicians. The 20 November 1986 verdict of the Federal Supreme Court] Rieger HJ. **Dtsch Med Wochenschr** 1987 Aug 28;112(35):1352–3 **(Ger)**
[Artificial insemination and terminal care. Results from the 56th German Lawyers' Meeting] Rieger HJ. **Dtsch Med Wochenschr** 1986 Oct 17;111(42):1614–7 **(Ger)**
[The latest court decisions] Rieger HJ. **Dtsch Med Wochenschr** 1987 Feb 27;112(9):362–3 **(Ger)**

[Current medicolegal problems deriving from the practice of radiology] Fiori M, et al. **Radiol Med (Torino)** 1987 Jan–Feb;73(1–2):99–102 **(Ita)**

[Effect of Shinkansen litigation on complaints in the Shinkansen noise and vibration survey] Nakagawa T, et al. **Nippon Eiseigaku Zasshi** 1986 Jun;41(2):563–70 (Eng. Abstr.) **(Jpn)**

[Medicolegal problems in the storage and custody of clinical records. An intellectual property] Luna A, et al. **Med Clin (Barc)** 1987 Apr 26;88(16):631–2 **(Spa)**

EDUCATION

Refractive error changes in law students. Zadnik K, et al. **Am J Optom Physiol Opt** 1987 Jul;64(7):558–61

Lessons for medicine from legal education. Cramton RC. **Health Aff (Millwood)** 1986 Fall;5(3):34–46

Teaching legal medicine in law schools. Johnson SH. **J Leg Med (Chicago)** 1987 Mar;8(1):104–14

Teaching legal medicine in medical schools. Kapp MB. **J Leg Med (Chicago)** 1987 Mar;8(1):94–103

Teaching legal medicine. An interdisciplinary seminar in professional ethics for medical students and law students. Lawson CM. **J Leg Med (Chicago)** 1987 Mar;8(1):123–33

Symposium on teaching legal medicine. Introduction. Rozovsky FA. **J Leg Med (Chicago)** 1987 Mar;8(1):91–3

Teaching legal medicine to health professionals. Rozovsky LE. **J Leg Med (Chicago)** 1987 Mar;8(1):115–22

HISTORY

Historic trials: Montreal Tramways v. Leveillé (1933) 4 DLR 338. **Hum Reprod** 1987 May;2(4):349–59

The illusions of law—psychoanalysis and jurisprudence in historical perspective. Sheleff LS. **Int J Law Psychiatry** 1986;9(2):143–58

A treasury of dentistry. Collection methods, suits and judgments—from earlier days. Foley GP. **J Am Coll Dent** 1987 Summer;54(2):27–8

The Dutch penal law and homosexual conduct. Salden M. **J Homosex** 1986 Winter–1987 Spring;13(2–3):155–79

TRENDS

Texas physicians entitled to due process in privileges disputes. Winters AJ, et al. **Tex Med** 1986 Nov;82(11):50–1

JURISPRUDENCE, PSYCHIATRIC see **FORENSIC PSYCHIATRY**

JUST NOTICEABLE DIFFERENCE see **DIFFERENTIAL THRESHOLD**

JUVENILE DELINQUENCY

Juvenile homicide: prior adjustment and a proposed typology. Cornell DG, et al. **Am J Orthopsychiatry** 1987 Jul;57(3):383–93

Order and its shadow: delinquency as reproduction and resistance. Brudner-White LA. **Int J Law Psychiatry** 1986; 9(3):321–43

Iron deficiency among incarcerated juvenile delinquents [letter] DuRant RH. **J Adolesc Health Care** 1987 Mar; 8(2):225

HTLV-III antibody prevalence among young delinquent drug abusers in long-term residential treatment at a North-German drug clinic. Paschelke G, et al. **Klin Wochenschr** 1987 Jan 5;65(1):22–6

Social significance of genital tract infections in adolescent girls admitted to a juvenile remand centre [letter] Lee CD. **Med J Aust** 1987 Mar 2;146(5):277–8

[The prevalence of bronchial asthma in juvenile delinquents] Sogo M, et al. **Arerugi** 1986 Sep;35(9):960–7 (Eng. Abstr.) **(Jpn)**

LEGISLATION & JURISPRUDENCE

Psychiatric expert testimony on aggressive offenders in juvenile court proceedings. Heim N. **Forensic Sci Int** 1987 May–Jun;34(1–2):29–38

Competency to stand trial in juvenile court. Grisso T, et al. **Int J Law Psychiatry** 1987;10(1):1–20

Consulting to children's hearings in West Lothian. Aspin J. **J Adolesc** 1986 Sep;9(3):257–69

[Expert assessment of child welfare as a systemic-family therapy intervention] Austermann W, et al. **Prax Kinderpsychol Kinderpsychiatr** 1986 Nov–Dec; 35(8):302–5 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Effect on juvenile crime of lowering the drinking age in three Australian states. Smith DI, et al. **Br J Addict** 1987 Feb; 82(2):181–8

Are delinquents born or made by us? Dayal R, et al. **Indian Pediatr** 1986 Aug;23(8):627–33

[Clinico-epidemiologic characteristics of borderline mental disorders comparison of the Moscow and Batumi populations of students of specialized educational institutions] Chubarovskiĭ VV, et al. **Zh Nevropatol Psikhiatr** 1986;86(8):1203–8 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

A social action model of intervention for difficult to reach populations. Paster VS. **Am J Orthopsychiatry** 1986 Oct; 56(4):625–9

Therapeutic interventions to prevent delinquency in hyperactive boys. Satterfield JH, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Jan;26(1):56–64

[Prevention of juvenile delinquency] González García A. **Rev Sanid Hig Publica (Madr)** 1986 May–Jun; 60(5–6):529–49 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Keeping juvenile delinquents in school: a prediction model. Dunham RG, et al. **Adolescence** 1987 Spring;22(85):45–57

The drug abuse-delinquency connection revisited. Farrow JA, et al. **Adolescence** 1986 Winter;21(84):951–60

Mother's versus father's role in causing delinquency. Johnson RE. **Adolescence** 1987 Summer;22(86):305–15

Cognitive and learning profiles of delinquent and learning-disabled adolescents. Meltzer LJ, et al. **Adolescence** 1986 Fall;21(83):581–91

Classification procedures for differential treatment. Bornholt LJ, et al. **Br J Clin Psychol** 1987 May;26 (Pt 2):155–6

Reversals, delinquency and disruption. Bowers AJ. **Br J Clin Psychol** 1986 Nov;25 (Pt 4):303–4

Delinquency and attitude to authority: a comment on Reicher and Emler. Ray JJ. **Br J Soc Psychol** 1987 Mar;26 (Pt 1):93–4

Evidence for an aggressive (and delinquent) personality. Rushton JP, et al. **Br J Soc Psychol** 1987 Mar;26 (Pt 1):87–9

Serious juvenile offenders: demographic variables, diagnostic problems, and therapeutic possibilities. Kramp P, et al. **Int J Law Psychiatry** 1987;10(1):63–73

The family relations of female juvenile delinquents. Henggeler SW, et al. **J Abnorm Child Psychol** 1987 Jun; 15(2):199–209

Implications of age of onset for delinquency risk. Tolan PH. **J Abnorm Child Psychol** 1987 Mar;15(1):47–65

The social context of delinquent conduct. Emler N, et al. **J Child Psychol Psychiatry** 1987 Jan;28(1):99–109

Strength of handedness as an indicant of delinquent's behavior. Grace WC. **J Clin Psychol** 1987 Jan;43(1):151–5

"Mental imbalance" and the prediction of recurrent delinquent behavior. Lindgren SD, et al. **J Clin Psychol** 1986 Sep; 42(5):821–5

Further validation of the Problem Inventory for Adolescent Girls: comparing Caucasian and black delinquents and nondelinquents. Ward CI, et al. **J Consult Clin Psychol** 1986 Oct;54(5):732–3

Family interactions in black, lower-class families with delinquent and nondelinquent adolescent boys. Borduin CM, et al. **J Genet Psychol** 1986 Sep;147(3):333–42

The child abuse—delinquency connection: evolution of a therapeutic community. Sandberg DN. **J Psychoactive Drugs** 1986 Jul–Sep;18(3):215–20

Love deprivation, Wechsler performance greater than verbal discrepancy, and violent delinquency. Walsh A, et al. **J Psychol** 1987 Mar;121(2):177–84

Violent delinquency, race, and the Wechsler performance–verbal discrepancy. Petee TA, et al. **J Soc Psychol** 1987 Jun;127(3):353–4

Incidence of placement in group homes for juvenile status offenders. Dickinson LA, et al. **Psychol Rep** 1987 Jun;60(3 Pt 1):850

Learning disabilities and other attributes as factors in delinquent activities among adolescents in a nonurban area. Fleener FT. **Psychol Rep** 1987 Feb;60(1):327–34

Assessing perceptions of self and God: comparison of prisoners and normals. Jolley JC, et al. **Psychol Rep** 1986 Dec;59(3):1139–46

Cross-cultural validity of the Depression Adjective Check List with a sample of black and white juvenile offenders. Townsend DW, et al. **Psychol Rep** 1986 Oct;59(2 Pt 1):671–4

[Neuroticism, existential purpose and self-reinforcement of the ego. Comparative study of delinquents and non-delinquents] Addad M, et al. **Ann Med Psychol (Paris)** 1986 Sep–Oct;144(8):777–89 (Eng. Abstr.) **(Fre)**

[Use of video films and crime in adolescence] Klosinski G. **Prax Kinderpsychol Kinderpsychiatr** 1987 Feb–Mar; 36(2):66–71 (Eng. Abstr.) **(Ger)**

[Behavior of delinquents in social conflict situations. A study using the Rosenzweig Picture-Frustration Test (PFT)] Rauchfleisch U. **Z Psychosom Med Psychoanal** 1986; 32(4):371–81 (Eng. Abstr.) **(Ger)**

[The mentality differences between the delinquent and non-delinquent boys] Murakami Y. **Shinrigaku Kenkyu** 1986 Apr;57(1):1–7 (Eng. Abstr.) **(Jpn)**

REHABILITATION

Comparison of rates of recidivism among status offenders and delinquents. Benda BB. **Adolescence** 1987 Summer; 22(86):445–58

Self-concept changes during youth-home placement of adolescents. Krueger R, et al. **Adolescence** 1987 Summer; 22(86):385–92

Organizational control and treatment program design as dimensions of institutionalization in settings for juvenile offenders. Mulvey EP, et al. **Am J Community Psychol** 1987 Jun;15(3):321–35

Are home based services effective? AuClaire P, et al. **Child Today** 1987 May–Jun;16(3):6–9

Quality of care for youths in group homes. Cohen NA. **Child Welfare** 1986 Sep–Oct;65(5):481–94

Engaging families of court-mandated youths in an alternative to institutional placement. Kagan RM, et al. **Child Welfare** 1987 Jul–Aug;66(4):365–76

Family therapy with delinquents: a critical review of the literature. Tolan PH, et al. **Fam Process** 1986 Dec; 25(4):619–49

Diversion of juvenile offenders: an experimental comparison. Davidson WS 2d, et al. **J Consult Clin Psychol** 1987 Feb; 55(1):68–75

JUVENILE HORMONES

[Feasibility of the combined use of the chemosterilizing agent dimatiph and the growth inhibitor dimilin to control flies in cattle-rasing brans] Kostina MN, et al. **Med Parazitol (Mosk)** 1987 Mar–Apr;(2):80–3 (Eng. Abstr.) **(Rus)**

ANALYSIS

Environmental fate of Dimilin 25-W in a central Appalachian forest. Martinat PJ, et al. **Bull Environ Contam Toxicol** 1987 Jul;39(1):142–9

The titre of juvenile hormone during the pupal and adult stages of the life cycle of Drosophila melanogaster. Bownes M, et al. **Eur J Biochem** 1987 May 4;164(3):709–12

Juvenile hormone titers in European and Africanized honey bees in Brazil. Robinson GE, et al. **Gen Comp Endocrinol** 1987 Jun;66(3):457–9

BIOSYNTHESIS

Regulation of juvenile hormone biosynthesis by 20-hydroxyecdysone during the fourth larval instar of the tobacco hornworm, Manduca sexta. Whisenton LR, et al. **Gen Comp Endocrinol** 1987 Apr;66(1):62–70

The intrinsic synthesis of juvenile hormone-III diol by locust corpora allata in vitro. Gadot M, et al. **Mol Cell Endocrinol** 1987 Feb;49(2–3):99–107

Inhibition of Manduca sexta corpora allata in vitro by a cerebral allatostatic neuropeptide. Granger NA, et al. **Mol Cell Endocrinol** 1987 Feb;49(2–3):237–48

PHARMACODYNAMICS

Vitellogenin mRNA in locust fat body: coordinate induction of two genes by a juvenile hormone analog. Dhadialla TS, et al. **Dev Biol** 1987 Sep;123(1):108–14

A Drosophila melanogaster mutant resistant to a chemical analog of juvenile hormone. Wilson TG, et al. **Dev Biol** 1986 Nov;118(1):190–201

Counteraction by 20-hydroxyecdysone of the effect of juvenile hormone on phosphorylation of ribosomal protein S6. Itoh K, et al. **FEBS Lett** 1987 Mar 9;213(1):85–8

Effects of diflubenzuron on the mouse liver. Young MF, et al. **J Appl Toxicol** 1986 Oct;6(5):343–8

Effects of sublethal doses of methoprene on reproduction and longevity of Drosophila melanogaster (Diptera: Drosophilidae). Bouchard BL, et al. **J Econ Entomol** 1987 Apr;80(2):317–21

Insect growth regulators: mode of action on the cat flea, Ctenocephalides felis (Siphonaptera: Pulicidae). el-Gazzar LM, et al. **J Med Entomol** 1986 Dec 4;23(6):651–4

[Effect of new analogs of chitin synthesis inhibitors on the development of houseflies Musca domestica L] Styczyńska B, et al. **Rocz Panstw Zakl Hig** 1986;37(4):341–50 (Eng. Abstr.) **(Pol)**

[Effect of 2 analogs of juvenile hormone on the metamorphosis of Xenopsylla cheopis Roths] Kostina MN, et al. **Med Parazitol (Mosk)** 1987 May–Jun;(3):29–32 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Regulation of prothoracicotropic hormone release by juvenile hormone in the penultimate and last instar larvae of Mamestra brassicae. Hiruma K. **Gen Comp Endocrinol** 1986 Aug;63(2):201–11

Hormonally mediated reprogramming of muscles and motoneurones during the larval-pupal transformation of the tobacco hornworm, Manduca sexta. Weeks JC, et al. **J Exp Biol** 1986 Sep;125:1–13

THERAPEUTIC USE

Role of metabolism in effects of diflubenzuron on growth of B16 melanomas in mice. Jenkins VK, et al. **Invest New Drugs** 1986;4(4):325–35

Simulation of fly-waves to assess the ability of diflubenzuron to protect sheep against flystrike by Lucilia cuprina. Hughes PB, et al. **Vet Parasitol** 1987 May;24(3–4):275–84

[Orienting studies on the passage use of the chitin biosynthesis inhibitor diflubenzuron (Dimilin WP 25) against larvae of Musca domestica in swine feces] Ribbeck R, et al. **Arch Exp Veterinarmed** 1987 May;41(3):407–19 (Eng. Abstr.) **(Ger)**

TOXICITY

Mutagenicity testing of the juvenoid methoprene (ZR-515) by means of the Drosophila wing spot test. Marec F, et al. **Mutat Res** 1987 Jul;188(3):209–14

JUVENIMYCINS see **LEUCOMYCINS**

JUXTAGLOMERULAR APPARATUS

see related
RENIN

Extrarenal juxtaglomerular cell tumor in bone: report of a case with review of the literature. Chen WS, et al. **Chin Med J [Engl]** 1987 Jan;100(1):78–82

[Renin-secreting juxtaglomerular cell tumor] Martínez Amenós A, et al. **Med Clin (Barc)** 1987 Jan 31;88(4):157–9 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Is renin secreted by exocytotic mechanism through mature renin granules from juxtaglomerular cells? Kawamura M, et al. **Jpn Circ J** 1986 Nov;50(11):1165–9

Morphological and immunohistochemical studies of juxtaglomerular cells in the carp, Cyprinus carpio. Kon Y, et al. **Nippon Juigaku Zasshi** 1987 Apr;49(2):323–31

[The human renin-secreting cell. A morphological study] Lindop GB, et al. **Ann Endocrinol (Paris)** 1986;47(3):133–44 (53 ref.) (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Granular juxtaglomerular cell hyperplasia caused by cyclosporine. Nitta K, et al. **Transplantation** 1987 Sep; 44(3):417–21

ENZYMOLOGY

Effects of extracellular osmolality on renin release and on the ultrastructure of the juxtaglomerular epithelioid cell granules. Skøtt O, et al. **Cell Tissue Res** 1987 Aug; 249(2):325–9

Transmembrane signalling of atrial natriuretic peptide in rat renal juxtaglomerular cells. Kurtz A. **Klin Wochenschr** 1986;64 Suppl 6:37–41

Localization of acid phosphatase in chicken juxtaglomerular cells and its functional meaning. Kon Y, et al. **Nippon Juigaku Zasshi** 1986 Oct;48(5):925–31

[Renin secretion. Mechanism and effectors] Hackenthal E. **Ann Endocrinol (Paris)** 1986;47(3):145–55 (53 ref.) (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

[Effects of castration on the development of the juxtaglomerular apparatus in the albino rat during growth] Salesses A, et al. **Arch Anat Histol Embryol (Strasb)** 1985; 68:61–8 (Eng. Abstr.) **(Fre)**

METABOLISM

Regulation of prorenin secretion in cultured human transfected juxtaglomerular cells. Pinet F, et al. **J Clin Invest** 1987 Sep;80(3):724–31

Role of cyclic AMP in renin secretion by human transfected juxtaglomerular cells. Pinet F, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S421–3

Lysosomal characteristics of human renin-containing granules [letter] Fransen JA. **Lab Invest** 1987 Jan;56(1):124

PATHOLOGY

Characteristic changes of the juxtaglomerular cells before and after treatment of pseudo-Bartter's syndrome due to furosemide abuse. Mizuiri S, et al. **Nephron** 1987;46(1):23–7

[Value of morphometry in the endocrine system of the kidneys] Pal'tsev MA. **Arkh Patol** 1987;49(1):62–7 (Eng. Abstr.) **(Rus)**

[Functional morphology of the adrenal cortex and incretory kidney structures in the salt-losing form of adrenogenital syndrome in children] Tsibel' BN, et al. **Probl Endokrinol (Mosk)** 1986 Nov–Dec;32(6):20–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Intrarenal generation of angiotensin II evaluated by an electrophysiological technique. Bührle CP, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F635–44

Interrelationship of blood flow, juxtaglomerular cells, and hypertension: role of physical equilibrium and Ca. Fray JC, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):R643–62 (140 ref.)

Intracellular control of renin release--an overview. Kurtz A. **Klin Wochenschr** 1986 Sep 15;64(18):838–46

Typical and atypical aspects of renin secretion from juxtaglomerular epithelioid cells. Taugner R, et al. **Klin Wochenschr** 1986 Sep 15;64(18):829–37

SECRETION

Direct demonstration of macula densa-mediated renin secretion. Skøtt O, et al. **Science** 1987 Sep 25; 237(4822):1618–20

ULTRASTRUCTURE

Development and fate of the secretory granules of juxtaglomerular epithelioid cells. Taugner R, et al. **Cell Tissue Res** 1986;246(3):595–606

Fine structural changes in the three-dimensional structure of the rat juxtaglomerular apparatus in response to water deprivation. Kidokoro S. **Okajimas Folia Anat Jpn** 1987 Mar;63(6):393–406

Renin status of the afferent arteriole and ultrastructure of the juxtaglomerular apparatus in 'superficial' juxtamedullary nephrons from rats. Casellas D, et al. **Renal Physiol** 1986;9(6):348–56

K CELLS see **KILLER CELLS**

KAINIC ACID

Dietary pyridoxine and the susceptibility to limbic motor seizures in rats. Ruth RE, et al. **Exp Neurol** 1986 Nov; 94(2):441–8

Efficacy of baclofen and phenobarbital against the kainic acid limbic seizure-brain damage syndrome. Ault B, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):612–7

ADMINISTRATION & DOSAGE

Microinjection of kainic acid into the rostral ventrolateral medulla causes hypertension and release of neuropeptide Y-like immunoreactivity from rabbit spinal cord. Morris MJ, et al. **Clin Exp Pharmacol Physiol** 1987 Feb; 14(2):127–32

Increased brain levels of cholecystokinin octapeptide after kainic acid-induced seizures in the rat. Meyer DK, et al. **Neurosci Lett** 1986 Aug 29;69(2):208–11

Different behavioral responses of rats to kainate injections into the dorsal and median raphe nuclei. Przewłocka B, et al. **Pol J Pharmacol Pharm** 1986 Sep–Dec;38(5–6):509–19

ANALOGS & DERIVATIVES

Acromelic acid, a novel excitatory amino acid from a poisonous mushroom: effects on the crayfish neuromuscular junction. Shinozaki H, et al. **Brain Res** 1986 Dec 10; 399(2):395–8

Effects of dihydrokainic acid on extracellular amino acids and neuronal excitability in the in vivo rat hippocampus [published erratum appears in Neuropharmacology 1987 Feb-Mar;26(2–3):1] Muñoz MD, et al. **Neuropharmacology** 1987 Jan;26(1):1–8

ANTAGONISTS & INHIBITORS

Kynurenic acid distinguishes kainate and quisqualate receptors in the vertebrate retina. Coleman PA, et al. **Brain Res** 1986 Aug 27;381(1):172–5

Anticonvulsant action of a kainate antagonist gamma-D-glutamyl aminomethylsulphonic acid injected focally into the substantia nigra and entopeduncular nucleus. De Sarro G, et al. **Eur J Pharmacol** 1986 Dec 16;132(2–3):229–36

Folic acid protects chick retinal neurons against the neurotoxic action of excitatory amino acids. Sattayasai J, et al. **Exp Eye Res** 1987 Apr;44(4):523–35

Effect of anticonvulsant drugs on glutamate neurotoxicity in cortical cell culture. Koh JY, et al. **Neurology** 1987 Feb; 37(2):319–22

Effect of mannitol treatment on brain neurotransmitter markers in kainic acid-induced epilepsy. Baran H, et al. **Neuroscience** 1987 Jun;21(3):679–84

METABOLISM

Limbic seizures induced by systemically applied kainic acid: how much kainic acid reaches the brain? Berger ML, et al. **Adv Exp Med Biol** 1986;203:199–209

Blood-brain barrier permeability to excitatory amino acids. Lefauconnier JM, et al. **Adv Exp Med Biol** 1986;203:191–8

Endogenous inhibitor of [3H]kainate binding to synaptic membrane in rat brain. Tsujimura R. **J Biochem (Tokyo)** 1986 Dec;100(6):1623–9

Distribution of [3H]kainic acid and binding sites in the rat brain: in vivo and in vitro receptor autoradiography. Patel S, et al. **Neurosci Lett** 1986 Oct 20;70(3):301–7

Kainate binding sites in the hippocampal mossy fibers: localization and plasticity. Represa A, et al. **Neuroscience** 1987 Mar;20(3):739–48

PHARMACODYNAMICS

Intraendothelial accumulation of calcium in the hippocampus and thalamus of rats after systemic kainic acid administration. Sztriha L, et al. **Acta Neuropathol (Berl)** 1986;72(2):111–6

Effects of kainate on CA1 hippocampal neurons recorded in vitro. Cherubini E, et al. **Adv Exp Med Biol** 1986; 203:475–84

Alterations in extracellular amino acids and Ca2+ following excitotoxin administration and during status epilepticus. Lehmann A, et al. **Adv Exp Med Biol** 1986;203:363–73

Long term sequelae of parenteral administration of kainic acid. Nitecka L, et al. **Adv Exp Med Biol** 1986;203:147–55

Effects of kainic acid on hypothermia induced by reserpine, oxotremorine and apomorphine in mice. Bourin M, et al. **Arzneimittelforschung** 1987 Mar;37(3):329–31

Kainic acid lesions of the cat's antero-medial hypothalamus and emotional-defensive response evoked by carbachol injection to the same loci. Eckersdorf B, et al. **Behav Brain Res** 1987 May;24(2):161–6

Cortical cholinergic impairment and behavioral deficits produced by kainic acid lesions of rat magnocellular basal forebrain. Lerer B, et al. **Behav Neurosci** 1985 Aug; 99(4):661–77

The effect of kainic, quinolinic and beta-kainic acids on the release of endogenous amino acids from rat brain slices. Connick JH, et al. **Biochem Pharmacol** 1986 Oct 15; 35(20):3631–5

Increased prostaglandin formation in rat brain following systemic application of kainic acid. Baran H, et al. **Brain Res** 1987 Feb 24;404(1–2):107–12

Release of cerebellar inhibitory activity by partial destruction of the inferior olive with kainic acid in rat. Batini C, et al. **Brain Res** 1987 Feb 10;403(1):186–91

The effect of bilateral kainic acid-induced lateral habenula lesions on dopamine-mediated behaviors. Carvey PM, et al. **Brain Res** 1987 Apr 14;409(1):193–6

Specific ganglion cell death induced by intravitreal kainic acid in the chicken retina. Ehrlich D, et al. **Brain Res** 1987 Jul 14;415(2):342–6

Kainate reduces two voltage-dependent potassium conductances in rat hippocampal neurons in vitro. Gho M, et al. **Brain Res** 1986 Oct 22;385(2):411–4

After-hyperpolarizations produced in frog motoneurons by excitatory amino acid analogues. Hackman JC, et al. **Brain Res** 1987 Mar 24;407(1):94–101

Study of the morphological, electrophysiological and behavioral effects of unilateral kainic acid injection into the cat's substantia nigra. Motles E, et al. **Brain Res** 1987 Mar 3;405(1):165–8

Suppression of locomotor activity produced by acute injections of kainic acid into the median raphe nucleus. Wirtshafter D, et al. **Brain Res** 1987 Apr 7;408(1–2):349–52

Respiratory and vasomotor effects of excitatory amino acid on ventral medullary surface. Mitra J, et al. **Brain Res Bull** 1987 May;18(5):681–4

Responses of pyriform cortex neurons to excitatory amino acids: voltage dependence, conductance changes, and effects of divalent cations. Hori N, et al. **Cell Mol Neurobiol** 1987 Mar;7(1):73–90

Kainic acid: insights into excitatory mechanisms causing selective neuronal degeneration. Coyle JT. **Ciba Found Symp** 1987;126:186–203 (60 ref.)

Electrocerebral and behavioural analysis of systemic kainic acid-induced epilepsy in the rat. Scerrati M, et al. **Drugs Exp Clin Res** 1986;12(8):671–80

Kainic acid stimulates GABA release from a subpopulation of cerebellar astrocytes. Gallo V, et al. **Eur J Pharmacol** 1986 Dec 16;132(2–3):319–22

Reduced excitatory effect of kainic acid on rat CA3 hippocampal pyramidal neurons following destruction of the mossy projection with colchicine. de Montigny C, et al. **Exp Brain Res** 1987;65(3):605–13

Increased susceptibility to hippocampal and amygdala kindling following intrahippocampal kainic acid. Feldblum S, et al. **Exp Neurol** 1987 Aug;97(2):255–69

Light-evoked and kainic-acid-induced disc shedding by rod photoreceptors: differential sensitivity to extracellular calcium. Besharse JC, et al. **J Comp Neurol** 1986 Sep 8; 251(2):185–97

Role of target tissue in regulating the development of retinal ganglion cells in the albino rat: effects of kainate lesions in the superior colliculus. Carpenter P, et al. **J Comp Neurol** 1986 Sep 8;251(2):240–59

Neurotoxic action of kainic acid in the isolated toad and goldfish retina: II. Mechanism of action. Kleinschmidt J, et al. **J Comp Neurol** 1986 Dec 8;254(2):196–208

Neurotoxic action of kainic acid in the isolated toad and goldfish retina: I. Description of effects. Kleinschmidt J, et al. **J Comp Neurol** 1986 Dec 8;254(2):184–95

Mechanism of kainate toxicity to cerebellar neurons in vitro is analogous to reperfusion tissue injury. Dykens JA, et al. **J Neurochem** 1987 Oct;49(4):1222–8

Effects of systemic kainic acid administration on regional Na+, K+-ATPase activity in rat brain. Sztriha L, et al. **J Neurochem** 1987 Jul;49(1):83–7

Changes in extracellular amino acids during soman- and kainic acid-induced seizures. Wade JV, et al. **J Neurochem** 1987 Aug;49(2):645–50

Kainic acid alters the metabolism of Met5-enkephalin and the level of dynorphin A in the rat hippocampus. Kanamatsu T, et al. **J Neurosci** 1986 Oct;6(10):3094–102

Experimental striatal degeneration induced by kainic acid administration: relevance to morphological changes in Huntington's disease. Marasigan SM, et al. **Jpn J Psychiatry Neurol** 1986 Mar;40(1):113–21

Changes in cholinergic markers following kainic acid lesion of the ventral globus pallidus in rat. Ueki A, et al. **Jpn J Psychiatry Neurol** 1987 Mar;41(1):87–96

Changes in the EEG-reactions to repetitive peripheral and central electrical stimulation by intraraphedorsal kainic acid in the cat. Moyanova S, et al. **Methods Find Exp Clin Pharmacol** 1987 Jan;9(1):39–47

Dopamine enhances excitatory amino acid-gated conductances in cultured retinal horizontal cells. Knapp AG, et al. **Nature** 1987 Jan 29–Feb 4;325(6103):437–9

Detoxification enzymes following intrastriatal kainic acid. Cohen MR, et al. **Neurochem Res** 1987 May;12(5):425–9

L-[3H]lysine binding to rat retinal membrane: II. Effect of kainic acid, D,L-alpha-aminoadipic acid, iodoacetic acid, and modification by dark-exposure. Piccoli F, et al. **Neurochem Res** 1986 Dec;11(12):1719–26

Microinjection of kainic acid into the hypothalamus of golden hamsters prevents vasopressin-dependent flank-marking behavior. Ferris CF, et al. **Neuroendocrinology** 1986; 44(1):112–6

Ca2+/calmodulin-dependent phosphoprotein phosphatase

activity of calcineurin in rat striatum: effect of kainic acid lesions. Chung E, et al. **Neuropharmacology** 1987 Jun; 26(6):633–6

Inhibition by phencyclidine of excitatory amino acid–stimulated release of neurotransmitter in the nucleus accumbens. Jones SM, et al. **Neuropharmacology** 1987 Feb–Mar;26(2–3):173–9

Acute tachycardia and pressor effects following injections of kainic acid into the antero–dorsal medial hypothalamus. Rockhold RW, et al. **Neuropharmacology** 1987 Jun; 26(6):567–73

Modification of drug–induced tremor by systemic administration of kainic acid and quisqualic acid in mice. Shinozaki H, et al. **Neuropharmacology** 1987 Jan;26(1):9–17

'Choreic' movement induced by unilateral kainate lesion of the striatum and L–DOPA administration in monkey. Kanazawa I, et al. **Neurosci Lett** 1986 Nov 11;71(2):241–6

Histamine H2–receptors participate in the formation of brain edema induced by kainic acid in rat thalamus. Sztriha L, et al. **Neurosci Lett** 1987 Apr 10;75(3):334–8

Kainic acid microinjected into the cat raphe dorsal nucleus modulates the somatosensory evoked potentials and their cycles of excitability. Moyanova S, et al. **Neuroscience** 1987 Jul;22(1):83–9

Unusual interactions of excitatory amino acid receptor agonists: alpha– and beta–kainate antagonize motor responses to N–methyl–D–aspartate in rodents. Turski L, et al. **Neuroscience** 1987 Jan;20(1):285–92

Role of the hippocampus in the sex–dependent regulation of eating behavior: studies with kainic acid. Forloni G, et al. **Physiol Behav** 1986;38(3):321–6

[Influences of intranigral injection of kainic acid on electroacupuncture analgesia and morphine analgesia in the rabbits] Sun DY, et al. **Chen Tzu Yen Chiu** 1986;11(2):113–8 (Eng. Abstr.) **(Chi)**

[Modelling of the parkinsonian syndrome by the administration of kainic acid into the caudate nucleus] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 1987 Jun; 103(6):650–3 (Eng. Abstr.) **(Rus)**

[Effect of kainic acid on the metabolism of intracellular calcium and oxidation–reduction processes in structures of the cerebral cortex] Samoĭlov MO, et al. **Fiziol Zh SSSR** 1986 Jul;72(7):874–80 (Eng. Abstr.) **(Rus)**

TOXICITY

Selective and non–selective seizure related brain damage produced by kainic acid. Ben–Ari Y, et al. **Adv Exp Med Biol** 1986;203:647–57

Ultrastructural analysis of rat brain tissue following systemic kainate administration. Lassmann H, et al. **Adv Exp Med Biol** 1986;203:223–30

Excitatory amino acids and the blood–brain barrier (BBB). LeFauconnier JM, et al. **Adv Exp Med Biol** 1986;203:231–3

Kainic acid seizures and neuronal cell death: insights from studies of selective lesions and drugs. Nadler JV, et al. **Adv Exp Med Biol** 1986;203:673–86

Extravasated protein as a cause of limbic seizure–induced brain damage: an evaluation using kainic acid. Ruth RE. **Adv Exp Med Biol** 1986;203:211–21

On the role of seizure activity and endogenous excitatory amino acids in mediating seizure–associated hippocampal damage. Sloviter RS. **Adv Exp Med Biol** 1986;203:659–71

Kainic acid–induced terminal degeneration in the dorsal lateral geniculate of tree shrew. Horn KM, et al. **Brain Res** 1987 Jul 21;416(1):187–91

Structural alteration and possible growth of afferents after kainate lesion in the adult rat thalamus. Peschanski M, et al. **J Comp Neurol** 1987 Apr 8;258(2):185–203

Damage induced by systemic kainic acid in rats is dependent upon seizure activity—a behavioral and morphological study. O'Shaughnessy D, et al. **Neurotoxicology** 1986 Fall; 7(3):187–202

Behavior and receptor changes after kainate lesioning of nodular cerebellum. Maiti A, et al. **Pharmacol Biochem Behav** 1986 Sep;25(3):589–94

KALA–AZAR see **LEISHMANIASIS, VISCERAL**

KALLIDIN

ANALOGS & DERIVATIVES

[Interpretation of 1H–NMR spectra of the cyclic analog of kallidin in solutions] Saulitis IuB, et al. **Bioorg Khim** 1986 Oct;12(10):1317–28 (Eng. Abstr.) **(Rus)**

METABOLISM

Individual reaction steps in the release of kallidin from kininogen by tissue kallikrein. Fiedler F, et al. **Adv Exp Med Biol** 1986;198 Pt A:283–9

PHARMACODYNAMICS

Action and metabolism of des(Arg)kinins in mesenteric arteries. Churchill L, et al. **Adv Exp Med Biol** 1986;198 Pt A:571–5

Site and mechanisms of action of kinins in rat ileal mucosa. Warhurst G, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):G293–300

Hormonal regulation of proton secretion in rabbit medullary collecting duct. Hays S, et al. **J Clin Invest** 1986 Nov; 78(5):1279–86

KALLIKREIN

Kinins IV. Part A. Proceedings of the Fourth International Kinin Congress. October 21–25, 1984, Savannah, Georgia. **Adv Exp Med Biol** 1986;198:1–590

Kinins IV. Part B. Proceedings of the Fourth International Kinin Conference. October 21–25, 1984, Savannah, Georgia. **Adv Exp Med Biol** 1986;198 Pt B:1–572

Growth–promoting activity in serum–free medium of kallikreinlike arginylesteropeptidases from rat submaxillary gland. Catalioto RM, et al. **J Cell Physiol** 1987 Mar; 130(3):352–60

Similarity and dissimilarity in the stereogeometry of the active sites of thrombin, trypsin, plasmin and glandular kallikrein. Hijikata–Okunomiya A, et al. **Thromb Res** 1987 Mar 1;45(5):451–62

ADMINISTRATION & DOSAGE

Inhibition by aspirin of the stimulated PGI2 synthesis after administration of kallikrein to hypertensive patients (new aspects of chemical pathogeny concerning the messenger systems: A and C). Belloiu DD, et al. **Endocrinologie** 1987 Apr–Jun;25(2):107–13

ANALOGS & DERIVATIVES

[Benzoyl–kallikrein: kallikrein activity and kinin generation in plasma] Müller H, et al. **Biomed Biochim Acta** 1986; 45(7):941–4 (Eng. Abstr.) **(Ger)**

ANALYSIS

Septic shock in the rat: activation of plasma proteolytic systems and effects of a kallikrein inhibitor/bradykinin antagonist (S–2441). Högström H, et al. **Acta Chir Scand** 1987 Mar;153(3):161–4

Relevance of plasma, glandular and urinary kallikrein in renal hypertrophy in streptozotocin–diabetic rats. Sulaiman MI, et al. **Acta Diabetol Lat** 1986 Jul–Sep;23(3):253–9

Description and evaluation of a new chromogenic substrate assay kit for the determination of prekallikrein in human plasma. Friberger P, et al. **Adv Exp Med Biol** 1986;198 Pt B:543–8

Localization of kallikreins in the human parotid gland and in the human kidney: a comparative study of immunohistochemistry and enzyme histochemistry. Kimura K, et al. **Adv Exp Med Biol** 1986;198 Pt A:27–34

Kinin activation and protease inhibitors in acute pancreatitis in man. Lasson A, et al. **Adv Exp Med Biol** 1986;198 Pt B:423–32

Kallikrein–kinin system in severe experimental hypertension. Quadra JA, et al. **Adv Exp Med Biol** 1986;198 Pt B:313–9

The method of urinary total kallikrein and prekallikrein measurement, and their urinary excretions in the patients with essential hypertension. Tanaka S, et al. **Adv Exp Med Biol** 1986;203:673–86 Pt B:343–50

Plasma prekallikrein, functional kallikrein inhibition, antithrombin III, plasminogen, kallikrein activity and proenzyme functional inhibition index in 172 acute ill surgical patients on admission. Viksmoen L, et al. **Adv Exp Med Biol** 1986;198 Pt B:451–61

Prekallikrein deficiency in a family of miniature horses. Turrentine MA, et al. **Am J Vet Res** 1986 Nov; 47(11):2464–7

Kallikrein (kininogenase) in the mouse nephron: effect of dietary potassium. Guder WG, et al. **Biol Chem Hoppe Seyler** 1987 Jun;368(6):637–45

Porcine pancreatic prokallikrein. IV. N–terminal amino acid sequences of prokallikrein B and the kallikrein generated from it by the action of trypsin. Kizuki K, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4394–9

Studies on the effect of serine protease inhibitors on activated contact factors. Application in amidolytic assays for factor XIIa, plasma kallikrein and factor XIa. Tans G, et al. **Eur J Biochem** 1987 May 4;164(3):637–42

A new automated method for kallikrein–prekallikrein determination [letter] Creter D. **Haematologica (Pavia)** 1987 May–Jun;72(3):281

Hageman factor, high molecular weight kininogen, and prekallikrein in chronic liver disease. Cordova C, et al. **J Clin Pathol** 1986 Sep;39(9):1003–5

Hyperprolactinemia and reduction in plasma titers of Hageman factor, prekallikrein, and high molecular weight kininogen in patients with acute myocardial infarction. La Follette L, et al. **J Lab Clin Med** 1987 Sep;110(3):318–21

Acetylcysteine in rats: inhibition of activation of prekallikrein and factor XII—protection against dextran–induced blood pressure fall. Hoem NO, et al. **Pharmacol Toxicol** 1987 Feb; 60(2):140–4

Uncontrolled plasma proteolysis: a major threat to the septicemic patient. Aasen AO, et al. **Resuscitation** 1986 Sep; 14(1–2):33–42

Immunoblotting studies of coagulation factor XII, plasma prekallikrein, and high molecular weight kininogen. Lämmle B, et al. **Semin Thromb Hemost** 1987 Jan; 13(1):106–14

[Contact coagulation factors] Kojima T, et al. **Rinsho Byori** 1987 Apr;Spec No 70:79–87 (19 ref.) **(Jpn)**

[Effect of leukocyte interferon and its inducers on the prekallikrein–kallikrein system of the blood serum in children with acute respiratory viral infections] Plakhtiĭ LIa, et al. **Farmakol Toksikol** 1986 Sep–Oct;49(5):107–8 (Eng. Abstr.) **(Rus)**

[Function of the prekallikrein–kallikrein system of convalescent burn patients with uncorrected deformities and contractures] Veremeenko KN, et al. **Klin Khir** 1987; (3):12–4 (Eng. Abstr.) **(Rus)**

[Function of the blood prekallikrein–kallikrein system of patients with terminal kidney failure as affected by hemosorption] Petrun' NM, et al. **Urol Nefrol (Mosk)** 1986 Nov–Dec;(6):41–4 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Endogenous kallikrein inhibitor in rat kidney cortex–effect of glucocorticoid administration. Ito K, et al. **Adv Exp Med Biol** 1986;198 Pt A:361–5

Kallikrein inhibition and C1–esterase inhibitor levels in patients with the lupus inhibitor. Killeen AA, et al. **Am J Clin Pathol** 1987 Aug;88(2):223–8

Kinetics of inhibition of human plasma kallikrein by a site–specific modified inhibitor Arg15–aprotinin: evaluation using a microplate system and comparison with other proteases. Scott CF, et al. **Blood** 1987 May;69(5):1431–6

Study of the effect of high molecular weight kininogen upon the fluid–phase inactivation of kallikrein by C1 inhibitor. Silverberg M, et al. **J Biol Chem** 1986 Nov 15; 261(32):14965–8

Inactivation of kallikrein and kininases and stabilization of whole rat brain kinin levels following focused microwave irradiation. Elrod K, et al. **Neurochem Res** 1986 Oct; 11(10):1463–71

Major inhibitors of the contact phase coagulation factors. Schapira M. **Semin Thromb Hemost** 1987 Jan;13(1):69–78 (79 ref.)

Alpha 1–antitrypsin–Pittsburgh: a potent inhibitor of human plasma factor XIa, kallikrein, and factor XIIf. Scott CF, et al. **Trans Assoc Am Physicians** 1985;98:344–51

BIOSYNTHESIS

Evidence for a stimulatory effect of high potassium diet on renal kallikrein. Vio CP, et al. **Kidney Int** 1987 Jun; 31(6):1327–34

Dopaminergic regulation of the estrogen–induced glandular kallikrein in the rat anterior pituitary. Powers CA, et al. **Neuroendocrinology** 1986;44(4):462–9

BLOOD

Regulation of the plasma–kallikrein–kininogen system. Colman RW. **Adv Exp Med Biol** 1986;198 Pt B:1–10

Studies on components of the plasma kallikrein–kinin system in patients undergoing cardiopulmonary bypass. Fuhrer G, et al. **Adv Exp Med Biol** 1986;198 Pt B:385–91

Effect of high and low molecular weight heparin preparations on chromogenic substrate assays for components of the kallikrein–kinin system. Fuhrer G, et al. **Adv Exp Med Biol** 1986;198 Pt B:537–41

Interrelation between the renin–angiotensin system and kallikrein–kinin system in patients with essential hypertension. Ishida H, et al. **Adv Exp Med Biol** 1986;198 Pt B:329–36

Reduced or unchanged cofactor function of human high molecular weight kininogen induced by human plasma kallikrein. Johansen HT, et al. **Adv Exp Med Biol** 1986;198 Pt A:147–53

Urinary and plasma kallikrein–kinin system in ureteral obstruction in man. Kellokumpu I, et al. **Adv Exp Med Biol** 1986;198 Pt B:263–8

Hormonal regulation of glandular kallikrein activity and its inhibitor in human plasma. Koh H, et al. **Adv Exp Med Biol** 1986;198 Pt A:315–21

Kinin activation and protease inhibitors in acute pancreatitis in man. Lasson A, et al. **Adv Exp Med Biol** 1986;198 Pt B:423–32

Limited proteolysis of HMW kininogen by plasma kallikrein in man—evidence for a processing mechanism different from the bovine system. Müller–Esterl W, et al. **Adv Exp Med Biol** 1986;198 Pt A:97–103

Importance of circulating and urinary tissue kallikrein in the control of acute natriuresis and diuresis evoked by water immersion in man. O'Hare P, et al. **Adv Exp Med Biol** 1986;198 Pt B:225–32

Kallikrein–kinin system in severe experimental hypertension. Quadra JA, et al. **Adv Exp Med Biol** 1986;198 Pt B:313–9

Hydrolysis of plasma kallikrein by trypsin and plasmin and the formation of active fragments. Sampaio CA, et al. **Adv Exp Med Biol** 1986;198 Pt B:105–11

Plasma prekallikrein, functional kallikrein inhibition, antithrombin III, plasminogen, kallikrein activity and proenzyme functional inhibition index in 172 acute ill surgical patients on admission. Viksmoen L, et al. **Adv Exp Med Biol** 1986;198 Pt B:451–61

Radioimmunoassay of glandular kallikrein in human plasma after partial purification by immunoaffinity column. Nishimura K, et al. **Clin Chim Acta** 1987 Feb 15; 162(3):341–7

Failure of guinea pig plasma kallikrein to cause neutrophil migration. Imamura T, et al. **Inflammation** 1986 Dec; 10(4):333–45

Assay of kallikrein inhibitors and levels of acetone–activated kallikrein in plasma specimens from reactors to dextran or to contrast media. Johansen HT, et al.

Int J Tissue React 1986;8(3):185–92
Primary structure requirements for the binding of human high molecular weight kininogen to plasma prekallikrein and factor XI. Tait JF, et al. **J Biol Chem** 1987 Aug 25; 262(24):11651–6
Evaluation of a microassay for human plasma prekallikrein. De La Cadena RA, et al. **J Lab Clin Med** 1987 May; 109(5):.601–7
Comparison of human high molecular weight kininogen digestion by plasma kallikrein and by plasmin. A revised method of purification of high molecular weight kininogen. Kleniewski J, et al. **J Lab Clin Med** 1987 Apr;109(4):469–79
Plasma kallikrein elevation in cattle induced with hepatic abscess. Motoi Y, et al. **Nippon Juigaku Zasshi** 1987 Apr; 49(2):369–72
Effect of elevated C1-esterase inhibitor levels on elastase release in vitro—a proposed model of shock (ECC). Heller W, et al. **Prog Clin Biol Res** 1987;236A:107–14
Studies on shock during extracorporeal circulation during aorto-coronary bypass operations. Heller W, et al. **Prog Clin Biol Res** 1987;236A:87–94
Hemodynamics and proteolysis in experimental trypsin induced shock. Naess F, et al. **Prog Clin Biol Res** 1987; 236A:185–92
Effects on peritoneal proteolysis and hemodynamics by high doses of methyl-prednisolone in experimental acute pancreatitis. Ruud TE, et al. **Scand J Gastroenterol [Suppl]** 1986;126:25–31
[Activation of kallikreinogens in blood plasma after experimental endotoxin poisoning in juvenile pigs] Kühne H, et al. **Arch Exp Veterinarmed** 1986 Jul;40(4):571–4 (Eng. Abstr.) (Ger)
[State of the kallikrein–kinin system in prolonged pregnancy and delayed labor] Kheifets SN, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):28–30 (Eng. Abstr.) (Rus)
[Effect of covalent binding of aprotinin with a polysaccharide carrier on its inhibition of kallikrein from human plasma, porcine pancreatic kallikrein and trypsin] Larionova NI, et al. **Biokhimiia** 1987 May;52(5):825–31 (Eng. Abstr.) (Rus)
[Effect of leukocyte interferon and its inducers on the prekallikrein–kallikrein system of the blood serum in children with acute respiratory viral infections] Plakhtil LIa, et al. **Farmakol Toksikol** 1986 Sep–Oct;49(5):107–8 (Eng. Abstr.) (Rus)
[Effect of diuretics on the activity of the blood kallikrein–kinin system in experimental inflammation] Zverev YF, et al. **Farmakol Toksikol** 1986 Jul–Aug; 49(4):84–6 (Eng. Abstr.) (Rus)
[Function of the kallikrein–kinin system and of the blood antiproteinase activity in rats exposed to a weak low-frequency magnetic field] Kubyshkin AV. **Fiziol Zh** 1987 Mar–Apr;33(2):87–9 (Eng. Abstr.) (Rus)
[The blood plasma kinin system in rabbits at the early stages of postnatal ontogenesis] Kiselev VI, et al. **Gematol Transfuziol** 1987 Jun;32(6):44–7 (Eng. Abstr.) (Rus)
[The kallikrein–kinin system and hemostasis in acute myocardial infarct] Lazutin VK, et al. **Kardiologiia** 1986 Sep;26(9):118–22 (41 ref.) (Rus)
[Components of the blood kallikrein–kinin system in patients with uncomplicated and complicated myocardial infarct] Miagkov II, et al. **Kardiologiia** 1986 Aug;26(8):83–5 (Rus)
[Function of the prekallikrein–kallikrein system of convalescent burn patients with uncorrected deformities and contractures] Veremeenko KN, et al. **Klin Khir** 1987; (3):12–4 (Eng. Abstr.) (Rus)
[Importance of the kallikrein–kinin system in the early differential diagnosis of mechanical jaundice and viral hepatitis] Dederer IuM, et al. **Klin Med (Mosk)** 1987 Jun; 65(6):99–102 (Eng. Abstr.) (Rus)
[Ultrastructural manifestations of intravascular coagulation and the role of the kallikrein–kinin system in the pathogenesis of cardiogenic pulmonary edema] Katel'nitskaia LI, et al. **Klin Med (Mosk)** 1986 Jul; 64(7):46–51 (Rus)
[Status of the kallikrein–kinin system of the blood in patients with angina pectoris] Moshkova NK, et al. **Klin Med (Mosk)** 1986 Jul;64(7):81–6 (Eng. Abstr.) (Rus)
[Characteristics of changes in the kallikrein–kinin system of blood in hypertension] Zholob VM, et al. **Klin Med (Mosk)** 1987 Jan;65(1):69–73 (Eng. Abstr.) (Rus)
[Hormonal response of the bodies of cosmonauts after completion of brief space flights] Tigranian RA, et al. **Kosm Biol Aviakosm Med** 1987 May–Jun;21(3):32–5 (Eng. Abstr.) (Rus)
[Evaluation of the state of the blood kallikrein–kinin system in cardiovascular diseases] Moshkova NK, et al. **Lab Delo** 1987;(1):42–5 (Eng. Abstr.) (Rus)
[Immunological shifts and changes in the kallikrein–kinin system in viral hepatitis in children and their correction] Trishkova LA, et al. **Pediatriia** 1987;(3):37–9 (Eng. Abstr.) (Rus)
[Effect of prodectin on the activity of the blood kallikrein–kinin system in diffuse toxic goiter] Olelnik VA, et al. **Probl Endokrinol (Mosk)** 1986 Jul–Aug;32(4):7–10 (Eng. Abstr.) (Rus)
[Indicators of the kallikrein–kinin system of the blood in uterine myoma] Tserikidze AG, et al. **Sov Med** 1986; (7):33–7 (Eng. Abstr.) (Rus)
[Dynamics of the kallikrein–kinin system in patients with recurrent rheumatic carditis associated with heart defects after administration of inhibitors of the kallikrein–kinin system in complex antirheumatic therapy] Mikunis RI, et al. **Ter Arkh** 1986;58(7):89–91 (Rus)
[Function of the blood prekallikrein–kallikrein system of patients with terminal kidney failure as affected by hemosorption] Petrun' NM, et al. **Urol Nefrol (Mosk)** 1986 Nov–Dec;(6):41–4 (Eng. Abstr.) (Rus)
[Disorders of the coagulation, fibrinolytic and kallikrein–kinin systems of the blood in mechanical jaundice] Artem'eva NN, et al. **Vestn Khir** 1986 Aug; 137(8):31–7 (Eng. Abstr.) (Rus)
[Activity of the prekallikrein–kallikrein system and characteristics of its regulation in various allergies] Nenasheva NM, et al. **Vopr Med Khim** 1986 Sep–Oct; 32(5):106–11 (Eng. Abstr.) (Rus)
[The state of the blood kallikrein–kinin system in acute lung diseases] Zaremba'kil RA, et al. **Vopr Med Khim** 1987 Jan–Feb;33(1):43–7 (Eng. Abstr.) (Rus)
[Use of cholestyramine by patients with chronic ischemic heart disease] Vygovskii VP, et al. **Vrach Delo** 1987 Feb; (2):77–9 (Eng. Abstr.) (Rus)
[Role of the blood kallikrein–kinin system in the pathogenesis of functional cardiomyopathy in chronic tonsillitis patients] Vygovskii VP, et al. **Vrach Delo** 1987 Mar;(3):36–7 (Eng. Abstr.) (Rus)

GENETICS

Characterization of rat kallikrein–like multigene family and its expression in the submandibular gland. Chao L, et al. **Adv Exp Med Biol** 1986;198 Pt A:189–94
Cellular basis for the differential response of mouse kallikrein genes to hormonal induction. van Leeuwen BH, et al. **EMBO J** 1987 Jun;6(6):1705–13
Mouse glandular kallikrein genes. Structure and partial sequence analysis of the kallikrein gene locus. Evans BA, et al. **J Biol Chem** 1987 Jun 15;262(17):8027–34
Expression of the renal kallikrein gene in mineralocorticoid–treated and genetically hypertensive rats. Fuller PJ, et al. **J Hypertens** 1986 Aug;4(4):427–33
Dopamine regulates expression of the glandular–type kallikrein gene at the transcriptional level in the pituitary. Pritchett DB, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(16):5545–9

ISOLATION & PURIFICATION

Purification and partial characterization of cat colon and submandibular gland kallikreins. Fujimori H, et al. **Adv Exp Med Biol** 1986;198 Pt A:211–8
Release of kallikrein and tonin from the rat submandibular gland. Maitra SR, et al. **Adv Exp Med Biol** 1986;198 Pt A:247–54
Kininogenase from rat vascular tissue. Nolly H, et al. **Adv Exp Med Biol** 1986;198 Pt A:11–7
Rapid purification of tonin, esterase B, antigen psi and kallikrein from rat submandibular gland by fast protein liquid chromatography. Johansen L, et al. **J Chromatogr** 1987 Jan 30;387:347–59

METABOLISM

Analytical study of kallikrein and kallikrein–like esterase activity in subfractions from rat kidney cortex microsomes and isolated subcellular membranes. Andersen KJ, et al. **Adv Exp Med Biol** 1986;198 Pt A:355–9
Renal kallikrein and renin concentrations in spontaneously hypertensive rats (SHR) during acute reduction of perfusion pressure. Andersen KJ, et al. **Adv Exp Med Biol** 1986;198 Pt B:285–8
An improved method for the measurement of rat tissue kallikrein using a monoclonal antibody which recognizes only active enzyme. Ando T, et al. **Adv Exp Med Biol** 1986;198 Pt B:515–22
The liver is the main organ to clear plasma and tissue kallikreins from rat plasma, in vivo. Borges D, et al. **Adv Exp Med Biol** 1986;198 Pt A:229–33
Receptor–mediated clearance of tissue kallikreins by rat liver. Borges DR, et al. **Adv Exp Med Biol** 1986;198 Pt A:235–9
Processing of apolipoprotein B–100 of human plasma low density lipoproteins by tissue and plasma kallikreins. Cardin AD, et al. **Adv Exp Med Biol** 1986;198 Pt A:195–202
Active kallikrein, preprokallikrein, and kallikrein–inhibitor complex. Chao J, et al. **Adv Exp Med Biol** 1986;198 Pt A:181–7
Studies on renal and urinary kallikrein in spontaneously hypertensive rats. Chapman ID, et al. **Adv Exp Med Biol** 1986;198 Pt B:219–24
Individual reaction steps in the release of kallidin from kininogen by tissue kallikrein. Fiedler F, et al. **Adv Exp Med Biol** 1986;198 Pt A:283–9
The tissue kallikrein–kinin system in human seminal plasma—biochemical and functional aspects. Fink E, et al. **Adv Exp Med Biol** 1986;198 Pt A:291–7
New synthetic substrate for kallikrein and its application. Fujii S, et al. **Adv Exp Med Biol** 1986;198 Pt A:299–308
Purification and partial characterization of cat pancreatic and urinary kallikreins—comparison with other cat tissue kallikreins and related proteases. Fujimori H, et al. **Adv Exp Med Biol** 1986;198 Pt A:219–28
Change in cortical active kallikrein during the onset of Goldblatt hypertension in the rat. Girolami JP, et al. **Adv Exp Med Biol** 1986;198 Pt B:279–83
A synovial amidase acting on tissue kallikrein–selective substrate in clinical and experimental arthritis. Al-Habsubi HA, et al. **Adv Exp Med Biol** 1986;198 Pt B:405–11
A study of glandular kallikrein in experimental diabetes. Jaffa AA, et al. **Adv Exp Med Biol** 1986;198 Pt B:367–71
A comparative study of prokallikreins and kallikreins from rat pancreatic tissue and juice. Jaffa AA, et al. **Adv Exp Med Biol** 1986;198 Pt A:323–7
Initial observations of a kallikrein–like enzyme associated with the plasma membranes of rat adipocytes. Mulholland F, et al. **Adv Exp Med Biol** 1986;198 Pt A:41–6
Comprehensive studies on the renal kallikrein–kinin system in essential hypertension. Nakahashi Y, et al. **Adv Exp Med Biol** 1986;198 Pt B:351–7
Plasma half–life and organ uptake ratio of radiolabeled glandular kallikrein in control and nephrectomized rats. Nishimura K, et al. **Adv Exp Med Biol** 1986;198 Pt A:309–13
Salivary kallikrein and kininase activities in periodontal diseases. Picarelli A, et al. **Adv Exp Med Biol** 1986;198 Pt B:433–7
Tissue kallikreins and related enzymes: characterization by model oligopeptides. Prado ES, et al. **Adv Exp Med Biol** 1986;198 Pt A:241–6
The function of the heavy and light chain of human plasma kallikrein in the activation of factor XII. Rosing J, et al. **Adv Exp Med Biol** 1986;198 Pt B:27–34
The varied localization and functional significance of kallikrein–like enzymes in salivary glands, pancreas, colon, sex glands and spermatozoa, including evidence for the presence of nerve growth factor (NGF) in bull sperm acrosome. Schachter M, et al. **Adv Exp Med Biol** 1986;198 Pt A:1–10
Effect of sodium restriction and corticosteroids on glandular kallikrein in plasma and in the submandibular gland. Seto S, et al. **Adv Exp Med Biol** 1986;198 Pt A:255–63
Kallikrein localization in rat brain by immunohistochemistry. Simson JA, et al. **Adv Exp Med Biol** 1986;198 Pt B:129–33
Intracellular and intercellular distributions of acid kininogenases in spleen. Watanabe M, et al. **Adv Exp Med Biol** 1986;198 Pt A:19–26
A monoclonal antibody to rat tissue kallikrein: use in biochemical and immunohistochemical studies. Woodley CM, et al. **Adv Exp Med Biol** 1986;198 Pt B:503–13
Bile acids and the intestinal kallikrein–kinin system. Zeitlin IJ, et al. **Adv Exp Med Biol** 1986;198 Pt A:47–53
The effect of kallikrein on spermatozoal ATP and other semen parameters. Berzin M, et al. **Andrologia** 1987 Jun; 19 Spec No:273–7
Effects of kallikrein on the male reproductive system and its use in the treatment of idiopathic oligozoospermia with impaired motility. Giovenco P, et al. **Andrologia** 1987 Jun; 19 Spec No:238–41
Comparative specificity of porcine pancreatic kallikrein and bovine pancreatic trypsin. Importance of interactions N–terminal to the scissible bond. Bizzozero SA, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):662–76
Evaluation of kallikrein in human parotid and submandibular saliva. Jenzano JW, et al. **Arch Oral Biol** 1986;31(9):627–8
In vivo effects of camostat mesilate on plasma kallikrein, plasma kininase II and renal kallikrein of man. Bönner G, et al. **Arzneimittelforschung** 1987 May;37(5):535–7
Identification of a new tissue–kallikrein–binding protein. Chao J, et al. **Biochem J** 1986 Oct 15;239(2):325–31
Kallikrein in synovial fluid with rheumatoid arthritis. Suzuki M, et al. **Biochem Med Metab Biol** 1987 Apr;37(2):177–83
Interactions of plasma kallikrein and C1–s with normal and dysfunctional C1(–)–inhibitor proteins from patients with hereditary angioneurotic edema: analytic gel studies. Donaldson VH, et al. **Blood** 1987 Apr;69(4):1096–101
Activation of kinin–prekallikrein system after infusion of factor VIII concentrates in hemophilic patients [published erratum appears in Clin Ther 1987;9(3):340] Alegre A, et al. **Clin Ther** 1986;9(1):92–6
Tissue kallikrein in rat brain and pituitary: regional distribution and estrogen induction in the anterior pituitary. Chao J, et al. **Endocrinology** 1987 Feb;120(2):475–82
Elevated glandular kallikrein in estrogen–induced pituitary tumors. Powers CA. **Endocrinology** 1987 Jan;120(1):429–31
Effects of secondary interactions on the kinetics of peptide and peptide ester hydrolysis by tissue kallikrein and trypsin. Fiedler F. **Eur J Biochem** 1987 Mar 2;163(2):303–12
Isolation of a thiol–activated T–kininogenase from the rat submandibular gland. Barlas A, et al. **FEBS Lett** 1987 Jun 29;218(2):266–70
Activation of the plasma kallikrein–kinin system by Vibrio vulnificus protease. Miyoshi N, et al. **Infect Immun** 1987 Aug;55(8):1936–9
Acute effect of furosemide on renal kallikrein and prostaglandin systems in mild to moderate essential hypertension. Franchi F, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Jan;25(1):44–9
Detection of tissue kallikrein in the bronchoalveolar lavage fluid of asthmatic subjects. Christiansen SC, et al. **J Clin Invest** 1987 Jan;79(1):188–97
Helodermatine, a kallikrein–like, hypotensive enzyme from the venom of Heloderma horridum horridum (Mexican beaded lizard). Alagon A, et al. **J Exp Med** 1986 Dec 1; 164(6):1835–45

Activity of putative pulmonary ornithokallikrein and angiotensin-converting enzyme during the onset of lung respiration in the chick embryo. Wittmann J, et al. **J Exp Zool** 1987;Suppl:219–26

Compared effects of a low and a high sodium diet on the renal and urinary concentration and activity of kallikrein in normal rats. Bascands JL, et al. **J Hypertens** 1987 Jun; 5(3):311–5

Kallikrein–kinin system and prostaglandins interactions: relevant to hypertension. Sharma JN. **Pharmacol Res Commun** 1986 Jul;18(7):639–52

Local activation of the kallikrein–kinin system in the lung following E. coli sepsis in sheep. Andreasson S, et al. **Prog Clin Biol Res** 1987;236A:133–40

[Decreased activity of the renal vasodilation and natriuretic system in normotensive men with a familial history of essential hypertension and decreased Na+, K+–cotransport in erythrocytes] Bultasová H, et al. **Cas Lek Cesk** 1986 Oct 17;125(41–42):1270–3 (Eng. Abstr.) **(Cze)**

[Benzoyl–kallikrein: kallikrein activity and kinin generation in plasma] Müller H, et al. **Biomed Biochim Acta** 1986; 45(7):941–4 (Eng. Abstr.) **(Ger)**

[Chronic effect of sodium and angiotensin II on the synthesis or activation of renal kallikrein in rats] Tanno M, et al. **Nippon Jinzo Gakkai Shi** 1986 Jun;28(6):789–97 (Eng. Abstr.) **(Jpn)**

[Contact-activated and immunoreactive prekallikrein in the plasma of patients with hypertension] Karpitskiĭ VV, et al. **Vopr Med Khim** 1987 Mar–Apr;33(2):116–22 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

A direct action of kallikrein on spermatozoal motility? Colpi GM, et al. **Acta Eur Fertil** 1986 Jul–Aug;17(4):279–81

Kallikrein effect on the acquisition and extinction of conditioned reflexes in rats. Moniuszko-Jakoniuk J, et al. **Acta Physiol Pol** 1986 Jan–Feb;37(1):25–31

Kallikrein and kinins independently stimulate renin release from isolated rat glomeruli. Beierwaltes WH, et al. **Adv Exp Med Biol** 1986;198 Pt A:265–72

Effects of kallikrein (K), bradykinin (B) and insulin (I), on substrate metabolism in the isolated perfused rat heart. Rett K, et al. **Adv Exp Med Biol** 1986;198 Pt B:379–84

Effects of kallidinogenase on urinary kallikrein excretion and plasma prostanoid concentrations in patients with essential hypertension. Ogawa K, et al. **Experientia** 1986 Sep 15; 42(9):1014–5

Temperature-dependent effects of the components of kallikrein–kinin system on sperm motility in vitro. Sato H, et al. **Fertil Steril** 1987 Apr;47(4):684–8

Relationship between hypertensive response and brain kinin level in the rat injected intraventricularly with glandular kallikrein. Kariya K, et al. **Jpn J Pharmacol** 1987 Feb; 43(2):129–32

Studies on mechanisms of antinephritic action of SA-446 an angiotensin I converting enzyme inhibitor (I). A comparison with actions of spironolactone, kallidinogenase and saralasin. Suzuki Y, et al. **Jpn J Pharmacol** 1986 Dec; 42(4):465–75

Potentiation of insulin stimulation of hexose transport by kallikrein and bradykinin in isolated rat adipocytes. Goldman J, et al. **Mol Cell Endocrinol** 1987 Apr; 50(3):183–91

Evaluation of the kinin-induced pathomechanisms in the development of ARDS by kallikrein inhibition in vivo. Thetter O, et al. **Prog Clin Biol Res** 1987;236A:127–31

Inhibition of bradykinin- and kallikrein-induced cerebral arteriolar dilation by a specific bradykinin antagonist. Ellis EF, et al. **Stroke** 1987 Jul–Aug;18(4):792–5

PHYSIOLOGY

Activation of factor XII in acetone-treated human plasma: significance of the functional state of plasma kallikrein for the extent of activation. Hoem NO, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Aug;59(2):144–50

Crossed desensitization between plasma kallikrein and trypsin. Andrade SP, et al. **Adv Exp Med Biol** 1986;198 Pt B:99–104

Measurement of plasma prokallikrein independent of inhibitors and interfering enzymes. Bönner G, et al. **Adv Exp Med Biol** 1986;198 Pt B:87–98

Increase in factor VIII clotting activity in the perfusate of isolated dog hind leg and heart by components of kallikrein–kinin system. Funahara Y, et al. **Adv Exp Med Biol** 1986;198 Pt B:79–85

Enhancement of vascular permeability upon serratial infection: activation of Hageman factor—kallikrein—kinin cascade. Matsumoto K, et al. **Adv Exp Med Biol** 1986;198 Pt B:71–8

Mechanism and significance of kinin formation in nephrotic syndrome. Nakamura K, et al. **Adv Exp Med Biol** 1986;198 Pt B:253–62

The role of renal kallikrein–kinin system and prostaglandins in diuresis and natriuresis following saline infusion in normotensives and essential hypertensives. Nishimiya T, et al. **Adv Exp Med Biol** 1986;198 Pt B:337–42

Effect of kallikrein–kinin system on calcium–vitamin D3 metabolism. Ohde H, et al. **Adv Exp Med Biol** 1986;198 Pt B:483–93

The renal kallikrein–kinin system: a look at the controversies. Pisano JJ, et al. **Adv Exp Med Biol** 1986;198 Pt B:193–205

Activation mechanism of human urinary prokallikrein using trypsin as a model activator. Takahashi S, et al. **Biochem Int** 1987 Mar;14(3):467–74

Flushing in the carcinoid syndrome and plasma kallikrein. Lucas KJ, et al. **Cancer** 1986 Nov 15;58(10):2290–3

Role of renin–angiotensin and kallikrein–kinin systems on the mechanism of the hypotensive effects of converting enzyme inhibitor, alacepril. Tanaka S, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):605–9

No evidence on significant roles of the prostaglandin–thromboxane and kallikrein–kinin system in the antihypertensive effect of MK 421 in rats made hypertensive by norepinephrine or vasopressin. Yasujima M, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):323–8

The involvement of histamine, the cyclooxygenase system and the kallikrein–kinin system in acute inflammation generation, demonstrated with the Sephadex model in rats. Egger G, et al. **Exp Pathol** 1987;31(1):39–46

Alpha 2-macroglobulin–kallikrein potentiates contact system activity: possible effect in asthma. Freyria AM, et al. **Int Arch Allergy Appl Immunol** 1987;83(4):341–7

Prekallikrein activation, C1 esterase inhibitor, and factor XII as predictors of adverse reaction to contrast media. A prospective study. Hagan JJ, et al. **Invest Radiol** 1987 Jun; 22(6):490–4

Moving from the general to the particular [editorial] Lasser EC. **Invest Radiol** 1987 Jun;22(6):495–6

Identification of the binding site for plasma prekallikrein in human high molecular weight kininogen. A region from residues 185 to 224 of the kininogen light chain retains full binding activity. Tait JF, et al. **J Biol Chem** 1986 Nov 25;261(33):15396–401

Autoactivation of human plasma prekallikrein. Tans G, et al. **J Biol Chem** 1987 Aug 15;262(23):11308–14

Antihypertensive and renal effects of captopril in spontaneously hypertensive rats: evidence against a role of the kallikrein–kinin system. Filep J, et al. **J Cardiovasc Pharmacol** 1987 Aug;10(2):222–7

Natriuretic effect of acute nifedipine administration is not mediated by the renal kallikrein–kinin system. Madeddu P, et al. **J Cardiovasc Pharmacol** 1987 May;9(5):536–40

Role of glandular kallikreins as growth factor processing enzymes: structural and evolutionary considerations. Isackson PJ, et al. **J Cell Biochem** 1987 Jan;33(1):65–75

Role of the contact system in fibrinolysis. Kluft C, et al. **Semin Thromb Hemost** 1987 Jan;13(1):50–68 (212 ref.)

Biochemical and functional properties of factor XI and prekallikrein. Mannhalter CH. **Semin Thromb Hemost** 1987 Jan;13(1):25–35 (105 ref.)

Contact factors in health and disease. Saito H. **Semin Thromb Hemost** 1987 Jan;13(1):36–49 (146 ref.)

[Postreceptor defect in the effectiveness of insulin: significance of the kallikrein–kinin–prostaglandin system] Dietze GJ, et al. **Beitr Infusionther Klin Ernahr** 1986; 16:92–102 **(Ger)**

[Role of kallikrein–kinin system and sodium metabolism in the development of hypertension in spontaneously hypertensive rats] Kohzuki M, et al. **Nippon Jinzo Gakkai Shi** 1987 Jan;29(1):57–65 (Eng. Abstr.) **(Jpn)**

SECRETION

Effect of furosemide on the rat submandibular gland kallikrein secretion. Catanzaro OL, et al. **Adv Exp Med Biol** 1986;198 Pt A:279–82

Release of tissue kallikrein from the isolated perfused kidney. Läuar N, et al. **Adv Exp Med Biol** 1986;198 Pt A:347–54

Regulation of parotid kallikrein secretion–role of the alpha 2- and beta-adrenergic system. Röckel A, et al. **Adv Exp Med Biol** 1986;198 Pt A:273–7

Micropuncture localization of kallikrein secretion in the rat nephron. Beasley D, et al. **Kidney Int** 1987 Jul;32(1):26–30

Factors affecting the secretion of submandibular salivary kallikrein in cats. Garrett JR, et al. **Q J Exp Physiol** 1987 Jul;72(3):357–68

THERAPEUTIC USE

[Clinical evaluation of kallikrein in male infertility] Takasaki N, et al. **Hinyokika Kiyo** 1986 Sep;32(9):1313–8 (Eng. Abstr.) **(Jpn)**

URINE

Effects of captopril on the urinary excretion of prostanoids and kallikrein in spontaneously hypertensive rats. Säynävälammi P. **Acta Pharmacol Toxicol (Copenh)** 1986 Oct;59(4):285–90

Urinary kallikrein excretion in healthy young infants. Bergmann I, et al. **Adv Exp Med Biol** 1986;198 Pt B:211–8

Hydrolysis of rat high molecular weight kininogen by purified rat urinary kallikrein: identification of bradykinin as the kinin formed. Girolami JP, et al. **Adv Exp Med Biol** 1986;198 Pt A:137–45

An inactive form of kallikrein in human urine. Kizuki K, et al. **Adv Exp Med Biol** 1986;198 Pt A:329–37

Mechanism of urinary kallikrein excretion and its action on water excretion. Martínez Seeber A, et al. **Adv Exp Med Biol** 1986;198 Pt B:207–9

Kallikrein and kininase activities excretion in newborns affected by jaundice. Mazzetti M, et al. **Adv Exp Med Biol** 1986;198 Pt B:471–5

The two mechanisms involved in the control of urinary kallikrein excretion. Mills IH, et al. **Adv Exp Med Biol** 1986;198 Pt B:233–41

Human urinary kallikrein (HUK): large-scale purification and direct solid-phase radioimmunoassay (RIA). Morichi S, et al. **Adv Exp Med Biol** 1986;198 Pt B:549–55

Studies on carbohydrate structure and immunological properties of human urinary kallikreins. Moriya H, et al. **Adv Exp Med Biol** 1986;198 Pt A:35–40

Purification of human low molecular weight kininogen and its application for a simple ND sensitive method for determination of human urinary kallikrein activity. Nakagawa M, et al. **Adv Exp Med Biol** 1986;198 Pt B:523–9

Kallikrein and kininase excretion in football players after psychophysical stress. Porcelli G, et al. **Adv Exp Med Biol** 1986;198 Pt B:477–81

Urinary kallikrein activity in pregnant hypertensive rats. Salas SP, et al. **Adv Exp Med Biol** 1986;198 Pt B:297–303

Thiazide induced hypotension: the role of plasma volume reduction and the urinary kallikrein system. Solomon RJ, et al. **Adv Exp Med Biol** 1986;198 Pt B:243–51

Purification of inactive kallikrein from rat urine. Takaoka M, et al. **Adv Exp Med Biol** 1986;198 Pt A:339–45

The method of urinary total kallikrein and prekallikrein measurement, and their urinary excretions in the patients with essential hypertension. Tanaka S, et al. **Adv Exp Med Biol** 1986;198 Pt B:343–50

A comparative study of the measurement of urinary kallikrein by various methods in patients with essential hypertension and patients with proteinuria. Ura N, et al. **Adv Exp Med Biol** 1986;198 Pt B:359–65

Reduced urinary kallikrein activity in rats developing spontaneous hypertension. Ader JL, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F964–9

Urinary kallikrein excretion in normal and hypertensive pregnancy at term. Sipilä R, et al. **Ann Clin Res** 1986; 18(4):208–10

Relationship of urinary kallikrein excretion to urinary potassium excretion during furosemide administration with and without amiloride. Obika LF. **Arch Int Physiol Biochim** 1987 Mar;95(1):13–8

Human urinary prokallikrein: rapid purification and model activation by trypsin. Irie A, et al. **Biochem Int** 1986 Aug; 13(2):375–82

Relation between urinary kallikrein excretion and blood pressure response to a single oral dose of captopril. Madeddu P, et al. **Clin Exp Hypertens [A]** 1987; 9(2–3):615–21

Urinary kallikrein response to repeated frusemide injections in rats: effect of adrenalectomy and deoxycorticosterone acetate treatment. Obika LF, et al. **Clin Sci** 1986 Nov; 71(5):497–503

Amiloride inhibits the rise of urinary kallikrein excretion induced by frusemide administration in the rat. Obika LF, et al. **Clin Sci** 1987 Apr;72(4):449–54

Effects of kallidinogenase on urinary kallikrein excretion and plasma prostanoid concentrations in patients with essential hypertension. Ogawa K, et al. **Experientia** 1986 Sep 15; 42(9):1014–5

Tryptase and kinin generation: tryptase from human mast cells does not activate human urinary prokallikrein. Alter SC, et al. **Int Arch Allergy Appl Immunol** 1987;83(3):321–4

Hypotensive and natriuretic effects of nifedipine in essential hypertension. Role of renal kallikrein–kinin–prostaglandin and renin–angiotensin–aldosterone systems. Tsunoda K, et al. **J Clin Hypertens** 1986 Sep;2(3):263–70

The antihypertensive effect of captopril in essential hypertension: relationship to prostaglandins and the kallikrein–kinin system. Quilley J, et al. **J Hypertens** 1987 Feb;5(1):121–8

Renin–angiotension–aldosterone system, urinary prostaglandins and kallikrein in pregnancy–induced hypertension: evidence for a dysregulation of the renin–angiotensin–prostacyclin loop. Fievet P, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S88–91

Direct radioimmunoassay of rat urinary kallikrein: its application to the determination of active and inactive kallikrein concentration after HPLC analysis. Girolami JP, et al. **J Immunoassay** 1987;8(1):115–30

Urinary kallikrein and non–kallikrein arginine esterase activities in beagle dogs. Ogawa H, et al. **Jikken Dobutsu** 1987 Apr;36(2):117–23

Effects of changing salt and water balance on renal kallikrein, kininogen and kinin. Weinberg M, et al. **Kidney Int** 1987 Mar;31(3):836–41

Effects of aldosterone and adrenocorticotropic hormone on urinary kallikrein excretion. Nagashima Y, et al. **Nippon Jinzo Gakkai Shi** 1986 Sep;28(9):1269–76

Urinary kallikrein activity is not altered in human essential hypertension. Simonetti BM, et al. **Uremia Invest** 1985–86; 9(2):189–93

Role of the kallikrein–kinin system in two-kidneyed and one-clipped hypertensive rats. Mizoguchi H, et al. **Urol Int** 1987;42(1):14–8

[Reduction of urinary kallikrein in hypertensive diabetics] Marre M, et al. **Arch Mal Coeur** 1986 Jun;79(6):831–4 (Eng. Abstr.) **(Fre)**

[Urinary excretion of kallikrein and sensitivity of blood pressure to acute sodium loading in healthy subjects] Mimran A, et al. **Arch Mal Coeur** 1986 Jun;79(6):828–30 (Eng. Abstr.) **(Fre)**

[Normalization of active urinary kallikrein excretion by

young spontaneously hypertensive rats by chronic inhibition of conversion enzyme] Tran-Van T, et al. **Arch Mal Coeur** 1986 Jun;79(6):857–63 (Eng. Abstr.) **(Fre)**

[Decrease in urinary excretion of active kallikrein in conscious young and adult spontaneously hypertensive rats] Ader JL, et al. **J Physiol (Paris)** 1986;81(1):34–40 (Eng. Abstr.) **(Fre)**

[Renin secreting tumor and urinary excretion of kallikrein (letter)] López JM, et al. **Medicina (B Aires)** 1985; 45(5):594–5 **(Spa)**

[Urinary excretion of kallikrein in newborn infants] Olavarría F, et al. **Rev Chil Pediatr** 1986 Jul–Aug;57(4):330–4 (Eng. Abstr.) **(Spa)**

KALLIKREIN–TRYPSIN INACTIVATOR

Restoration of skin defects with fibrin glue. Bornemisza G, et al. **Acta Chir Hung** 1986;27(4):249–58

Biological sealants and knitted Dacron conduits: comparison of collagen and fibrin glue pretreatments in circulatory models. Jonas RA, et al. **Ann Thorac Surg** 1987 Sep; 44(3):283–90

Estimation of intramolecular distance distributions in bovine pancreatic trypsin inhibitor by site-specific labeling and nonradiative excitation energy-transfer measurements. Amir D, et al. **Biochemistry** 1987 Apr 21;26(8):2162–75

Assignment of asparagine-44 side-chain primary amide 1H NMR resonances and the peptide amide N1H resonance of glycine-37 in basic pancreatic trypsin inhibitor. Tüchsen E, et al. **Biochemistry** 1987 Apr 7;26(7):1918–25

Toward the complete assignment of the carbon nuclear magnetic resonance spectrum of the basic pancreatic trypsin inhibitor. Wagner G, et al. **Biochemistry** 1986 Oct 7;25(20):5839–43

Selective fluorescent labeling of amino groups of bovine pancreatic trypsin inhibitor by reductive alkylation. Amir D, et al. **Biopolymers** 1986 Sep;25(9):1645–58

Fibrin sealant in experimental tubal microsurgery. Schroeder E, et al. **Int J Fertil** 1987 May–Jun;32(3):250–3

Fibrin glue in nasal septal surgery. Hayward PJ, et al. **J Laryngol Otol** 1987 Feb;101(2):133–8

Comparison of two highly refined structures of bovine pancreatic trypsin inhibitor. Wlodawer A, et al. **J Mol Biol** 1987 Jan 5;193(1):145–56

Questions concerning the safety of the tissue adhesive (Tissucol) [letter] Dello Russo N. **J Periodontol** 1986 Oct; 57(10):652

A quantitative and qualitative comparison of fibrin glue, albumin, and blood as agents to pretreat porous vascular grafts. Gundry SR, et al. **J Surg Res** 1987 Jul;43(1):75–7

Fibrin glue application through the flexible fiberoptic bronchoscope: closure of bronchopleural fistulas. Glover W, et al. **J Thorac Cardiovasc Surg** 1987 Mar;93(3):470–2

Esophagogastric anastomoses: the value of fibrin glue in preventing leakage. McCarthy PM, et al. **J Thorac Cardiovasc Surg** 1987 Feb;93(2):234–9

A simple autologous fibrinogen glue for otologic surgery. Moretz WH Jr, et al. **Otolaryngol Head Neck Surg** 1986 Jul;95(1):122–4

"No suture" microanastomosis using Vicryl rings and fibrin adhesive system: an unsuccessful attempt. Sagi A, et al. **Plast Reconstr Surg** 1987 May;79(5):776–7

Perichondrial arthroplasty using fibrin glue and early mobilization. An experimental study. Widenfalk B, et al. **Scand J Plast Reconstr Surg** 1986;20(3):251–8

Mutants of bovine pancreatic trypsin inhibitor lacking cysteines 14 and 38 can fold properly. Marks CB, et al. **Science** 1987 Mar 13;235(4794):1370–3

Autologous fibrin glue as a sealant of the common bile duct. Couto J, et al. **Surgery** 1987 Mar;101(3):354–6

[Possible substitutes of the fibrin glue, Tissucol, using readily available Czechoslovak-manufactured preparations] Horák L, et al. **Rozhl Chir** 1987 Jan;66(1):22–5 (Eng. Abstr.) **(Cze)**

[Value of the use of Tissucol in pediatric urology] Dodat H. **Ann Urol (Paris)** 1986;20(6):401–4 (Eng. Abstr.) **(Fre)**

[Anastomosis of the colon using human fibrin glue (Tissucol). Experimental study in pigs] Galletti G, et al. **Minerva Chir** 1986 Nov 15;41(21):1759–65 (Eng. Abstr.) **(Ita)**

[Tracheal anastomosis using fibrin glue (Tissucol). Experimental study] Ussia G, et al. **Minerva Chir** 1987 Mar 15;42(5):353–7 (Eng. Abstr.) **(Ita)**

[Personal experience with the sealing of bifurcations in aortic prostheses with a Czechoslovak-manufactured fibrin glue] Rozhold J, et al. **Rozhl Chir** 1987 Jan;66(1):32–6 (Eng. Abstr.) **(Slo)**

ADMINISTRATION & DOSAGE

Pharmacological prevention of postoperative adhesions experimentally induced in the rat. Dargenio R, et al. **Acta Eur Fertil** 1986 Jul–Aug;17(4):267–72

A technique for spray application of fibrin glue during cardiac operations. Baker JW, et al. **Ann Thorac Surg** 1987 May;43(5):564–5

Local hemostasis of nephrostomy tract with fibrin adhesive sealing in percutaneous nephrolithotomy. Pfab R, et al. **Eur Urol** 1987;13(1–2):118–21

Feasibility study of very high aprotinin dosage in polytrauma patients. Clasen C, et al. **Prog Clin Biol Res** 1987; 236A:175–83

Fibrin sealant (Tissucol). Application using a duploject system. Redl H, et al. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(1):9–11

Effects on peritoneal proteolysis and hemodynamics of prophylactic and therapeutic infusions of high doses of aprotinin in experimental acute pancreatitis. Ruud TE, et al. **Scand J Gastroenterol** 1986 Oct;21(8):1011–7

Animal experiments on hemostasis with a collagen-fibrin tissue-adhesive sealant in the nephrostomy tract. Pfab R, et al. **Urol Int** 1987;42(3):207–9

[Use of fibrin glue in plastic surgery: reconstruction and cervicofacial esthetics] Rheims D, et al. **Ann Chir Plast Esthet** 1986;31(4):384–9 (Eng. Abstr.) **(Fre)**

[Experience in the management of fresh fibular capsule-ligament injuries of the upper ankle joint using fibrin glue] Paar O. **Aktuel Traumatol** 1987 Feb;17(1):32–4 (Eng. Abstr.) **(Ger)**

[Preliminary results of pancreatic duct occlusion with fibrin glue following resection of the head of the pancreas in protecting the pancreatico-digestive anastomosis] Waclawiczek HW. **Chirurg** 1987 Jul;58(7):487–91 (Eng. Abstr.) **(Ger)**

[Enhancement of the therapeutic efficacy of blood substitutes in burn shock] Kochetygov NI, et al. **Gematol Transfuziol** 1987 May;32(5):35–8 (Eng. Abstr.) **(Rus)**

[Value of thrombolytic therapy in acute myocardial ischemia after administration of kinin system inhibitors] Kipshidze NN, et al. **Kardiologiia** 1986 Sep;26(9):37–41 (Eng. Abstr.) **(Rus)**

ANALYSIS

Vascular localization of bovine pancreatic trypsin-inhibitor-related molecular forms in bovine spleen. Businaro R, et al. **Eur J Biochem** 1987 May 15;165(1):79–82

Expression of pancreatic secretory trypsin inhibitor in various cancer cells. Ogawa M, et al. **Res Commun Chem Pathol Pharmacol** 1987 Jan; 55(1):137–40

BLOOD

Effect of aprotinin and C1-esterase inhibitor on activation of the plasma kallikrein-kinin system in vivo. Hoffmann H, et al. **Prog Clin Biol Res** 1987;236A:159–64

[Indicators of the kallikrein-kinin system of the blood in uterine myoma] Tserikidze AG, et al. **Sov Med** 1986; (7):33–7 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Semisynthetic engineering of proteinase inhibitor homologues. Tschesche H, et al. **Biochim Biophys Acta** 1987 May 27;913(1):97–101

DIAGNOSTIC USE

Evaluation of separate renal function by means of 99mTc-aprotinin uptake test. Aprile C, et al. **Uremia Invest** 1985–86;9(2):165–70

99mTc-aprotinin for the study of renal morphology and tubular function. Bianchi C, et al. **Uremia Invest** 1985–86; 9(2):139–46 (22 ref.)

[A renal imaging agent—99mTc-(Sn)-aprotinin and its preparation and animal experiments] Tan TZ, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Dec;17(4):299–301 (Eng. Abstr.) **(Chi)**

GENETICS

A synthetic operon containing 14 bovine pancreatic trypsin inhibitor genes is expressed in E. coli. von Wilcken-Bergmann B, et al. **EMBO J** 1986 Dec 1; 5(12):3219–25

ISOLATION & PURIFICATION

Fibrin glue from stored human plasma. An inexpensive and efficient method for local blood bank preparation. Spotnitz WD, et al. **Am Surg** 1987 Aug;53(8):460–2.

[Ala214,38]aprotinin: preparation by partial desulphurization of aprotinin by means of Raney nickel and comparison with other aprotinin derivatives. Schnabel E, et al. **Biol Chem Hoppe Seyler** 1986 Nov;367(11):1167–76

A serine proteinase inhibitor produced by an HTLV I virus-transformed human T lymphocyte line. Ganea D, et al. **J Immunol** 1987 Feb 15;138(4):1208–14

METABOLISM

Hydrogen exchange kinetics of bovine pancreatic trypsin inhibitor beta-sheet protons in trypsin-bovine pancreatic trypsin inhibitor, trypsinogen-bovine pancreatic trypsin inhibitor, and trypsinogen-isoleucylvaline-bovine pancreatic trypsin inhibitor. Brandt P, et al. **Biochemistry** 1987 Jun 2;26(11):3156–67

Binding of porcine pancreatic secretory trypsin inhibitor to bovine beta-trypsin: a kinetic study. Ascenzi P, et al. **Biopolymers** 1986 Dec;25(12):2325–33

Electrostatic lock-and-key model for the study of biological isosterism: role of structural water in the binding of basic pancreatic trypsin inhibitor to beta-trypsin. Náray-Szabó G, et al. **Enzyme** 1986;36(1–2):44–53

Binding of the bovine basic pancreatic trypsin inhibitor (Kunitz) to human Lys77-plasmin. Menegatti E, et al. **J Mol Biol** 1986 Sep 20;191(2):295–7

Hydrogen exchange kinetics of surface peptide amides in bovine pancreatic trypsin inhibitor. Tüchsen E, et al. **J Mol Biol** 1987 Feb 20;193(4):793–802

[Effect of covalent binding of aprotinin with a polysaccharide carrier on its inhibition of kallikrein from human plasma, porcine pancreatic kallikrein and trypsin] Larionova NI, et al. **Biokhimiia** 1987 May;52(5):825–31 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of protease inhibitor pretreatment on hemodynamic performances and survival rate in experimental, acute pancreatitis. Ruud TE, et al. **Adv Exp Med Biol** 1986;198 Pt B:413–21

Alphavirus replication in cultured cells and infected animals is inhibited by antiproteinase agents. Zhirnov OP, et al. **Antiviral Res** 1986 Aug;6(5):255–65

Experimental studies on the influence of fibrin adhesive, factor XIII, and calcitonin on the incorporation and remodeling of autologous bone grafts. Gerngross H, et al. **Arch Orthop Trauma Surg** 1986;106(1):23–31

Kinetics of inhibition of human plasma kallikrein by a site-specific modified inhibitor Arg15-aprotinin: evaluation using a microplate system and comparison with other proteases. Scott CF, et al. **Blood** 1987 May;69(5):1431–6

Aprotinin antagonizes the binding of human chorionic gonadotropin to its receptor. Wilks JW, et al. **Endocrinology** 1987 Mar;120(3):946–52

Mechanical strength in rat skin incisional wounds treated with fibrin sealant. Jørgensen PH, et al. **J Surg Res** 1987 Mar;42(3):237–41

Augmentation by aprotinin of the renal response to vasopressin. Kauker ML, et al. **Kidney Int** 1987 May; 31(5):1092–6

Morphometric studies on wound healing after systemic administration of adriamycin and local application of fibrin sealant. Application of a new wound healing model using spongiosa implants. Dinges HP, et al. **Pathol Res Pract** 1986 Dec;181(6):746–54

Cellular effects of aprotinin. Redl H, et al. **Prog Clin Biol Res** 1987;236A:165–73

Protease inhibitor infusion improves survival rate and hemodynamics in experimental pancreatic shock. Ruud TE, et al. **Prog Clin Biol Res** 1987;236A:193–201

Evaluation of the kinin-induced pathomechanisms in the development of ARDS by kallikrein inhibition in vivo. Thetter O, et al. **Prog Clin Biol Res** 1987;236A:127–31

Cellular (thrombocytes, granulocytes) effects of proteinase inhibitors—gabexylate, gabexate mesilate (FOY) and aprotinin. Redl H, et al. **Resuscitation** 1986 Sep; 14(1–2):81–90

Aprotinin and Na2CaEDTA in experimental hemorrhagic pancreatitis in pigs. Puolakkainen P, et al. **Scand J Gastroenterol** 1987 Jan;22(1):35–41

Fibrin glue coating of e-PTFE prostheses enhances seeding of human endothelial cells. Schrenk P, et al. **Thorac Cardiovasc Surg** 1987 Feb;35(1):6–10

Role of the kallikrein-kinin system in two-kidneyed and one-clipped hypertensive rats. Mizoguchi H, et al. **Urol Int** 1987;42(1):14–8

[Proliferation of cultured endothelial cells under the effect of aprotinin and 4-aminomethylbenzoic acid] Pilgrim H, et al. **Biomed Biochim Acta** 1986;45(8):1015–9 (Eng. Abstr.) **(Ger)**

[Fibrin glue and bone regeneration] Zilch H, et al. **Z Orthop** 1987 Mar–Apr;125(2):214–8 (Eng. Abstr.) **(Ger)**

[Effects of epsilon-aminocaproic acid, amben and kontrikal on fibrinolysis due to tissue-type plasminogen activator from the pig heart] Shimonaeva EE, et al. **Farmakol Toksikol** 1986 Jul–Aug;49(4):35–8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Plasmin in tear fluid of patients with corneal ulcers: basis for new therapy. Salonen EM, et al. **Acta Ophthalmol (Copenh)** 1987 Feb;65(1):3–12

Effect of aprotinin in adult respiratory distress syndrome. Tuxen DV, et al. **Anaesth Intensive Care** 1986 Nov; 14(4):390–9

The effectiveness of a fibrinogen-thrombin-collagen-based hemostatic agent in an experimental arterial bleeding model. Schelling G, et al. **Ann Surg** 1987 Apr;205(4):432–5

A comparative experimental study on nerve repair. Boedts D. **Arch Otorhinolaryngol** 1987;244(1):1–6

Influence of inhibitors on the thrombogenicity and toxicity of prothrombin complex concentrates. Klöcking HP, et al. **Arch Toxicol [Suppl]** 1987;11:313–5

Treatment of urethrocutaneous fistulae with a two-component fibrin adhesive (Beriplast). Luke M, et al. **Br J Urol** 1987 Jul;60(1):87–8

Experimental segmental pancreatic allotransplantation: efficacy of aprotinin in organ preservation. Hoogasian S, et al. **Conn Med** 1986 Nov;50(11):725–8

Subcutaneous insulin resistance syndrome. Effects of long-term aprotinin therapy. Guillausseau PJ, et al.

Diabetes Res 1986 Sep;3(7):387–9
Chronic osteomyelitis treated by cancellous homografts and fibrin adhesion. Lack W, et al. **J Bone Joint Surg [Br]** 1987 Mar;69(2):335–7
Fibrin sealant in punch hair grafting. Nordström RE, et al. **J Dermatol Surg Oncol** 1987 Sep;13(9):1009–11
Lathyrism: mini–review and a comment on the lack of effect of protease inhibitors on osteolathyrism. Yeager VL, et al. **J Exp Pathol** 1985 Spring;2(1):1–11
Pyrolytic carbon, porous implants, and the fibrin adhesive system. Hetherington VJ, et al. **J Foot Surg** 1986 Sep–Oct; 25(5):341–7
High protection of animals lethally infected with influenza virus by aprotinin–rimantadine combination. Zhirnov OP. **J Med Virol** 1987 Feb;21(2):161–7
Regeneration of the connective tissue attachment on surgically exposed roots using a fibrin–fibronectin adhesive system. An experimental on the baboon (Papio ursinus). Ripamonti U, et al. **J Periodont Res** 1987 Jul;22(4):320–6
Human fibrin glue versus sutures in periodontal surgery. Pini Prato GP, et al. **J Periodontol** 1987 Jun;58(6):426–31
Glueing of peripheral nerves with fibrin: experimental studies. Smahel J, et al. **J Reconstr Microsurg** 1987 Apr; 3(3):211–20
Fibrin glue vs. nylon in the anastomosis of rabbit fallopian tubes. Dargenio R, et al. **J Reprod Med** 1986 Oct; 31(10):961–5
Lung permeability and hemodynamics during endotoxemia: effect of aprotinin. Winn R, et al. **J Surg Res** 1986 Dec; 41(6):620–6
Fibrin glue in myringoplasty [letter] Sataloff RT, et al. **Laryngoscope** 1987 Sep;97(9):1111–2
[Experimental study of the potential use of Imuno fibrin glue in the implantation of vascular prostheses] Andreev A, et al. **Khirurgiia (Sofiia)** 1986;39(5):20–6 (Eng. Abstr.) **(Bul)**
[Gluing lens capsular defects using Tissucol] Smečka Z, et al. **Cesk Oftalmol** 1987 Jan;43(1):17–9 (Eng. Abstr.) **(Cze)**
[Fibrin occlusion (Beriplast) of the prostatic cavity after transurethral resection of the prostate. A study of the method] Hjortrup A, et al. **Ugeskr Laeger** 1987 Apr 27; 149(18):1196–7 (Eng. Abstr.) **(Dan)**
[Clinical value of a new biological adhesive: Transglutine] Champy M, et al. **Ann Chir Plast Esthet** 1987;32(2):178–80 (Eng. Abstr.) **(Fre)**
[Treatment of soft cervical hernia by percutaneous intradiscal injection of aprotinin] Lesoin F, et al. **Neurochirurgie** 1986; 32(3):272–5 (Eng. Abstr.) **(Fre)**
[Microsurgical repair of peripheral nerves and vessels using Tissucol. Clinical and experimental study] Merle M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(1):13–4 (Eng. Abstr.) **(Fre)**
[Segmental resection of the spleen as function–preserving therapy in pediatric rupture of the spleen. Sealing of the resected surface with fibrin glue, collagen fleece and dexon net] Goudarzi YM. **Aktuel Traumatol** 1986 Oct;16(5):186–9 (Eng. Abstr.) **(Ger)**
[Animal experiment studies of the effectiveness of fibrin glue in the management of injuries of the Achilles tendon] Blume M, et al. **Beitr Orthop Traumatol** 1987 Jun; 34(6):309–12 (Eng. Abstr.) **(Ger)**
[Management of acute pancreatitis] Lankisch PG. **Dtsch Med Wochenschr** 1987 Feb 13;112(7):279–80 **(Ger)**
[Edema prevention with aprotinin in elective interventions in the area of the jaw and face (preliminary results)] Dumbach J. **Laryngol Rhinol Otol (Stuttg)** 1986 Oct; 65(10):545–8 (Eng. Abstr.) **(Ger)**
[Closure of an acquired esophagobronchial fistula with fibrin glue] Flicker M, et al. **Prax Klin Pneumol** 1986 Oct; 40(10):419–21 (Eng. Abstr.) **(Ger)**
[Healing of chondral fragments] Passl R, et al. **Unfallchirurgie** 1986 Aug;12(4):194–9 (Eng. Abstr.) **(Ger)**
[Endoscopic management of bronchial stump fistulas with fibrin glue] Straub H, et al. **Z Erkr Atmungsorgane** 1986; 167(1–2):185–9 (Eng. Abstr.) **(Ger)**
[Gluing of the Achilles tendon with a fibrin adhesive] Haas F, et al. **Zentralbl Chir** 1987;112(2):99–104 (Eng. Abstr.) **(Ger)**
[The protease inhibitor aprotinin in the therapy of septic shock] Putterman C, et al. **Harefuah** 1986 Dec 15; 111(12):411–4 (Eng. Abstr.) **(Heb)**
[Echo–guided needle aspiration and treatment of renal cysts with fibrin glue. Preliminary experience] Martinelli G, et al. **Ann Ital Chir** 1986;58(2–4):213–9 **(Ita)**
[Fracture of the floor of the anterior cranial fossa and the sella turcica, and successful repair of the cerebrospinal fluid fistula with fibrin glue. Case report] Suzuki R, et al. **Neurol Med Chir (Tokyo)** 1986 May;26(5):420–5 (Eng. Abstr.) **(Jpn)**
[Comparative evaluation of the effect of kontrikal, 5–fluorouracil and the new Soviet peptide preparation dalargin on the course of experimental pancreonecrosis] Georgadze AK, et al. **Farmakol Toksikol** 1986 Nov–Dec; 49(6):66–70 (Eng. Abstr.) **(Rus)**
[Effect of kontrikal on the dynamics of proteolytic system indices in postischemic toxemia] Protsenko VA, et al. **Farmakol Toksikol** 1987 Jan–Feb;50(1):64–6 (Eng. Abstr.) **(Rus)**
[Prevention of damages to the microsomal monooxygenases in thermal ischemia of the liver by the separate and combined use of alpha–tocopherol, lidocaine and kontrikal] Sharapov VI, et al. **Farmakol Toksikol** 1987 Mar–Apr; 50(2):107–11 (Eng. Abstr.) **(Rus)**
[Synergic therapeutic action of aprotinin and remantadine in experimental influenzal infection] Zhirnov OP. **Vopr Virusol** 1986 May–Jun;31(3):292–7 (Eng. Abstr.) **(Rus)**

TOXICITY

Effect of human fibrin adhesive on the ear. An electrophysiological study of auditory function in the guinea pig correlated to light and electron microscopy of middle ear mucosa and inner ear structures. Mjøen S, et al. **Acta Otolaryngol (Stockh)** 1986 Sep–Oct; 102(3–4):257–65

KANAMYCIN

Physical analysis of the conjugative shuttle transposon Tn1545. Caillaud F, et al. **Plasmid** 1987 Jan;17(1):58–60
Characterization of the drug resistance plasmid NTP16. Lambert CM, et al. **Plasmid** 1987 Jan;17(1):26–36
A pathway for the evolution of the plasmid NTP16 involving the novel kanamycin resistance transposon Tn4352. Wrighton CJ, et al. **Plasmid** 1987 Jan;17(1):37–45

ADVERSE EFFECTS

Morphological changes to the stereociliary bundles in the guinea pig cochlea after kanamycin treatment. Furness DN, et al. **Br J Audiol** 1986 Nov;20(4):253–9
[Collateral effects of 9–alpha–fluor–prednisolone acetate and kanamycin, administered by nasal spray. Clinical experience and experimental data] Petrini MT, et al. **Minerva Med** 1987 Jun 15;78(11):777–84 (Eng. Abstr.) **(Ita)**

ANALOGS & DERIVATIVES

Comparative ototoxicity of kanamycin A and kanamycin B in the guinea pig. Yung MW. **Acta Otolaryngol (Stockh)** 1987 Jan–Feb;103(1–2):73–80
Pharmacokinetics of habekacin in patients with renal insufficiency. Fillastre JP, et al. **Antimicrob Agents Chemother** 1987 Apr;31(4):575–7
Comparative in vitro activities of SCE–129, sulbenicillin, gentamicin, and dibekacin against Pseudomonas. Tsuchiya K, et al. **Antimicrob Agents Chemother** 1978 Mar; 13(3):536–9
Antibacterial activity and ototoxicity in guinea pigs, and nephrotoxicity in rats of arbekacin. Kurebe M, et al. **Arzneimittelforschung** 1986 Oct;36(10):1511–7
Interaction of 3',4'–dideoxykanamycin B and submaxillary mucin. Aramaki Y, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan;35(1):320–5
Determining aminoglycoside dosage and blood levels of surgical patients using a microcomputer software system. Miura J, et al. **Dev Toxicol Environ Sci** 1986;14:237–40
Protective activity of habekacin and four other aminoglycosides in mouse septicaemia caused by Enterobacteriaceae. Rolin O, et al. **Drugs Exp Clin Res** 1986;12(11):885–7
Disposition kinetics of dibekacin in normal subjects and in patients with renal failure. Arancibia A, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Jan;25(1):38–43
Studies on antiviral agents. IV. Synthesis and in vitro antiviral activity of new N–palmitoylkanamycin A derivatives. Matsuda K, et al. **J Antibiot (Tokyo)** 1986 Oct; 39(10):1479–82
Inhibition of simian virus 40 replication by kanamycin derivative. Yamaki H, et al. **J Antibiot (Tokyo)** 1986 Dec; 39(12):1769–71
Interaction of kanamycin A and kanamycin B with phospholipids. Yung MW, et al. **J Antibiot (Tokyo)** 1987 Jun;40(6):862–7
Effect of mode of administration on distribution of dibekacin in rabbits. Navarro AS, et al. **J Antimicrob Chemother** 1987 Jun;19(6):799–806
Binding of 3',4'–dideoxykanamycin B to ATP and its related compounds. Inaba A, et al. **Life Sci** 1986 Oct 13; 39(15):1345–51
Electron microscopy of Pseudomonas aeruginosa treated with sulbenicillin and dibekacin. Aonuma S, et al. **Tohoku J Exp Med** 1987 Jun;152(2):119–28
Electron microscopic study of the cell surface of dibekacin–treated Pseudomonas aeruginosa. Aonuma S, et al. **Tohoku J Exp Med** 1986 Sep;150(1):69–75
[Absorption, distribution, and excretion of arbekacin after intravenous and intramuscular administration in rats] Mitomi N, et al. **Jpn J Antibiot** 1987 Feb;40(2):357–64 (Eng. Abstr.) **(Jpn)**
[Pharmacokinetics of arbekacin in dogs. II. The distribution of arbekacin in tissues] Tomono N, et al. **Jpn J Antibiot** 1987 Feb;40(2):377–84 (Eng. Abstr.) **(Jpn)**
[Pharmacokinetics of arbekacin in dogs. I. Serum concentration and urinary excretion] Tomono N, et al. **Jpn J Antibiot** 1987 Feb;40(2):365–75 (Eng. Abstr.) **(Jpn)**
[Antibacterial activities of arbekacin, a new aminoglycoside antibiotic, against methicillin–cephem–resistant Staphylococcus aureus] Watanabe T, et al. **Jpn J Antibiot** 1987 Feb;40(2):349–56 (Eng. Abstr.) **(Jpn)**
[Comparative clinical trial of HBK and amikacin (AMK) in the treatment of respiratory infections] Hara K, et al. **Kansenshogaku Zasshi** 1987 Jan;61(1):22–53 **(Jpn)**

METABOLISM

Interaction of kanamycin A and kanamycin B with phospholipids. Yung MW, et al. **J Antibiot (Tokyo)** 1987 Jun;40(6):862–7

PHARMACODYNAMICS

Cochleotoxic effects of spermine and kanamycin. Yung MW, et al. **Ann Otol Rhinol Laryngol** 1987 Jul–Aug;96(4):455–60
Genetic studies of kanamycin resistance in Campylobacter jejuni. Kotarski SF, et al. **Antimicrob Agents Chemother** 1986 Aug;30(2):225–30
Selective regeneration of Bacillus subtilis protoplasts transformed to kanamycin resistance. Jandová Z, et al. **Folia Microbiol (Praha)** 1987;32(1):82–4
Versatile kanamycin–resistance cartridges for vector construction in Escherichia coli. Müller W, et al. **Gene** 1986;46(1):131–3
Structural analysis of the Escherichia coli K–12 hisT operon by using a kanamycin resistance cassette. Arps PJ, et al. **J Bacteriol** 1987 Mar;169(3):1061–70
High–level aminoglycoside resistance mediated by aminoglycoside–modifying enzymes among viridans streptococci: implications for the therapy for endocarditis. Farber BF, et al. **J Infect Dis** 1987 May;155(5):948–53
Nucleotide sequence of the kanamycin resistance determinant of the pneumococcal transposon Tn1545: evolutionary relationships and transcriptional analysis of aphA–3 genes. Caillaud F, et al. **MGG** 1987 May;207(2–3):509–13
Disguise of antibiotics. Dums F, et al. **Naturwissenschaften** 1987 May;74(5):246–7
Effects of kanamycin sulfate on cochlear potentials and potassium ion permeability through the cochlear partitions. Komune S, et al. **ORL J Otorhinolaryngol Relat Spec** 1987; 49(1):9–16
Increase in prevalence of a neomycin/kanamycin–sensitive variant of S typhimurium DT204c in cattle in Britain. Threlfall EJ, et al. **Vet Rec** 1987 Apr 11;120(15):366–7
[The effect of aminoglycoside antibiotics on vascular contraction induced by adrenergic stimulation] Török J, et al. **Bratisl Lek Listy** 1986 Dec;86(6):617–26 (Eng. Abstr.) **(Slo)**
[Effect of kanamycin and tobramycin on neuromuscular block induced by dantrolene] Martín MI, et al. **Arch Farmacol Toxicol** 1986 Aug–Dec;12(2–3):129–33 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

The protective effect of a reduction in intestinal flora on mortality of acute haemorrhagic pancreatitis in the rat. Lange JF, et al. **Hepatogastroenterology** 1987 Feb; 34(1):28–30
Further studies of the killing of M. leprae by aminoglycosides: reduced dosage and frequency of administration. Gelber RH. **Int J Lepr Other Mycobact Dis** 1987 Mar;55(1):78–82
[Preventive preoperative use of kanamycin and cefazolin in patients with acute intestinal obstruction] Rukhliada NV. **Vestn Khir** 1986 Dec;137(12):96–8 **(Rus)**

TOXICITY

Comparative ototoxicity of kanamycin A and kanamycin B in the guinea pig. Yung MW. **Acta Otolaryngol (Stockh)** 1987 Jan–Feb;103(1–2):73–80
The effect of chronic application of kanamycin on stereocilia and their tip links in hair cells of the guinea pig cochlea. Pickles JO, et al. **Hear Res** 1987;29(2–3):237–44
Ganglioside content in the central nervous system after streptomycin & kanamycin intoxication in rat. Faruqi NA, et al. **Indian J Med Res** 1986 Jun;83:629–32

KANDINSKY SYNDROME see **ORGANIC MENTAL DISORDERS, PSYCHOTIC**

KANGAROOS see under **MARSUPIALIA**

KANNER'S SYNDROME see **AUTISM, INFANTILE**

KAOLIN

PHARMACODYNAMICS

Effect of pectin and kaolin on bioavailability of co–trimoxazole suspension. Gupta KC, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Jun;25(6):320–1
The effects of burnishing NaF/kaolin/glycerin paste on dentin permeability. Pashley DH, et al. **J Periodontol** 1987 Jan;58(1):19–23

KAPOSI'S DISEASE see **XERODERMA PIGMENTOSUM**

KAPOSI'S SARCOMA see **SARCOMA, KAPOSI'S**

KAPOSI'S VARICELLIFORM ERUPTION

DRUG THERAPY

Eczema herpeticum treated with oral acyclovir [letter]

Muelleman PJ, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):716–7
[DNAase in the complex treatment of Kaposi's herpetiform eczema] Krivosheev BN, et al. **Vestn Dermatol Venerol** 1987;(1):29–33 (Eng. Abstr.) **(Rus)**

KARAYA GUM see under **POLYSACCHARIDES**

KARTAGENER TRIAD

COMPLICATIONS

Hydrocephalus in Kartagener's syndrome. Jabourian Z, et al. **Ear Nose Throat J** 1986 Oct;65(10):468–72
Kartagener's syndrome with atrial septal defect. George S, et al. **Indian Heart J** 1986 Sep–Oct;38(5):414–7

DIAGNOSIS

[The case from practice (67). Patient: Mr. S.H., born 1 February 1962, a farmer] Schmassmann A.
Schweiz Rundsch Med Prax 1986 Nov 18;75(47):1432–3 **(Ger)**

FAMILIAL & GENETIC

[Kartagener's syndrome in 3 brothers] Bariffi F, et al.
Arch Monaldi 1985 May–Aug;40(3–4):95–109 (Eng. Abstr.) **(Ita)**
[A familial case of the Sievert–Kartagener syndrome] Miagkov II, et al. **Ter Arkh** 1987;59(3):146–7 **(Rus)**

PATHOLOGY

Kartagener's syndrome with normal spermatozoa [letter] Samuel I. **JAMA** 1987 Sep 11;258(10):1329–30
[Ultrastructural changes in the bronchial mucosa of children with recurrent bronchitis and the Sievert–Kartagener syndrome] Cherniakova DN, et al. **Pediatriia** 1987;(1):31–4 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Kartagener's syndrome with motile cilia and immotile spermatozoa: axonemal ultrastructure and function. Wilton LJ, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1233–6
Correlation of absent inner dynein arms and mucociliary clearance in a patient with Kartagener's syndrome. Vevaina JR, et al. **Chest** 1987 Jan;91(1):91–5
Unexpectedly normal cilia and spermatozoa in an infertile man with Kartagener's syndrome. Escudier E, et al.
Eur J Respir Dis 1987 Mar;70(3):180–6

KARYOKINESIS see **MITOSIS**

KARYOMETRY

METHODS

An interactive microcomputer-based system for the quantitative analysis of stratified tissue sections. Dytch HE, et al. **Anal Quant Cytol Histol** 1987 Mar;9(1):69–78

KARYOTYPING

The use of a rapid in situ technique for third-trimester diagnosis of trisomy 18. Rochelson BL, et al.
Am J Obstet Gynecol 1986 Oct;155(4):835–6
Chromosomal progression of malignant human gliomas from biopsy to establishment as permanent lines in vitro. Bigner SH, et al. **Cancer Genet Cytogenet** 1987 Jan;24(1):163–76
An evaluation of maternal cell contamination in cultures of chorionic villi for the prenatal diagnosis of chromosome abnormalities. Cooke HM, et al. **Clin Genet** 1986 Dec; 30(6):485–93
The high resolution R-banded karyotype of Rattus norvegicus. Rønne M, et al. **Cytogenet Cell Genet** 1987; 45(2):113–7
First trimester fetal karyotyping using chorionic villi: technical development and diagnostic application. Simoni G, et al. **Experientia** 1986 Oct 15;42(10):1097–101 (24 ref.)
Karyotype, immunophenotype, and clinical outcome: correlations in childhood acute lymphoblastic leukemia. Gregoire MJ, et al. **Hematol Bluttransfus** 1987;30:504–8
Karyotypic analyses of metastatic and non-metastatic mouse tumor cells by G- and C-banding. Verschaeve L, et al. **Int J Cancer** 1987 May 15;39(5):618–24
Chromosome analysis of oocytes in stimulated cycles [letter] **N Engl J Med** 1987 Jul 30;317(5):318–9
Mystery object identified? [letter] Clocksin WF. **Nature** 1987 Jan 22–28;325(6102):306
Mystery object amid the chromosomes [letter] Wolstenholme J, et al. **Nature** 1986 Sep 25–Oct 1;323(6086):300
The study of chromosomes in cervical neoplasia. Kirkland JA. **Obstet Gynecol Surv** 1969 Jul;24(7 Pt 2):784–94
Early diagnosis of retinoblastoma based on dysmorphic features and karyotype analysis. Seidman DJ, et al.
Ophthalmology 1987 Jun;94(6):663–6
Karyotypic differences between cells from placenta and other fetal tissues. Verjaal M, et al. **Prenat Diagn** 1987 Jun; 7(5):343–8
[Chromosome study of tumors of the urinary bladder] Pazourek J, et al. **Rozhl Chir** 1986 Nov;65(11):732–5 (Eng. Abstr.) **(Cze)**
[Detection of aberrations in the karyotype of children with acute leukemia: a comparative analysis of cytogenetics and flow cytophotometry] Hiddemann W, et al.
Klin Padiatr 1987 May–Jun;199(3):161–4 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Clinical performance of a system for semiautomated chromosome analysis. Lundsteen C, et al.
Am J Hum Genet 1987 Sep;41(3):493–502
[Automatic chromosome analysis in the routine laboratory] Lundsteen C, et al. **Ugeskr Laeger** 1987 May 11; 149(20):1329–32 (Eng. Abstr.) **(Dan)**
[A new system of chromosome analysis by image treatment: the chromoscan] Malet P, et al. **C R Soc Biol (Paris)** 1987; 181(2):216–20 (Eng. Abstr.) **(Fre)**

METHODS

Detecting abnormal human chromosome constitutions by dual laser flow cytogenetics. Lebo RV, et al.
Am J Med Genet 1986 Nov;25(3):519–29
Four-year experience with rapid bone marrow chromosome analyses in newborns. Waldstein G, et al.
Arch Pathol Lab Med 1987 Aug;111(8):703–7
An improved method for preparing G-banded chromosomes from mouse peripheral blood. Davisson MT, et al.
Cytogenet Cell Genet 1987;45(2):70–4
Evidence for lack of specificity of the DA/DAPI technique. Pérez-Castillo A, et al. **Cytogenet Cell Genet** 1987;45(1):62
Flow karyotyping of human melanoma cell lines. Arkesteijn GJ, et al. **Cytometry** 1986 Sep;7(5):425–30
Semi-automatic karyotyping facility—a clinical test. Wulf HC, et al. **Hereditas** 1986;105(1):37–40
A method for nucleic acid hybridization to isolated chromosomes in suspension. Dudin G, et al.
Hum Genet 1987 Jul;76(3):290–2
The potential of family flow karyotyping for the detection of chromosome abnormalities. Harris P, et al.
Hum Genet 1987 Jun;76(2):129–33
Chromosome analysis of human sperm. I. First results with a modified method. Jenderny J, et al. **Hum Genet** 1987 Aug;76(4):385–8
Technical aspects and diagnostic problems of direct chromosome analysis using chorionic villus sampling in the first trimester. Dalprà L, et al. **Hum Reprod** 1986 Feb; 1(2):103–6
A pipette method for rapid karyotyping in prenatal diagnosis. Claussen U, et al. **Prenat Diagn** 1986 Nov–Dec;6(6):401–8
[A video interactive system for analyzing human karyotypes (letter)] Catinot P, et al. **Presse Med** 1987 Jan 24;16(2):80–1 **(Fre)**

KASUGAMYCIN see under **ANTIBIOTICS**

KATZ ADJUSTMENT SCALES see under **PSYCHIATRIC STATUS RATING SCALES**

KAWASAKI DISEASE see **MUCOCUTANEOUS LYMPH NODE SYNDROME**

KB CELLS

METABOLISM

Binding of cellular polypeptides to human adenovirus type 5 E1A proteins produced in Escherichia coli. Egan C, et al. **Virology** 1987 Sep;160(1):292–6

KEARNS SYNDROME see under **OPHTHALMOPLEGIA**

KELL BLOOD-GROUP SYSTEM see under **BLOOD GROUPS**

KELOID

CHEMICALLY INDUCED

Allergic dermal contact dermatitis due to gold earrings. Fisher AA. **Cutis** 1987 Jun;39(6):473–5

DIAGNOSIS

Corneal keloids. LeMasters WC, et al.
Trans Pa Acad Ophthalmol Otolaryngol 1986;38(1):286–8

DRUG THERAPY

Retinoid effects on fibroblast proliferation and collagen synthesis in vitro and on fibrotic disease in vivo. Daly TJ, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):900–2
Effect of dextran sulfate on the growth of cultured fibroblasts derived from normal human skin and keloid lesions. Chiu HC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Mar; 86(3):264–70
[Treatment of post-burn keloid with Contractubex compositum ointment (Merz)] Chadzyńska M.
Przegl Dermatol 1987 Jan–Feb;74(1):55–61 (Eng. Abstr.) **(Pol)**
[Effect of retinoic acid on keloid scars (letter)] Russo PM, et al. **Medicina (B Aires)** 1985;45(3):316 **(Spa)**

ETIOLOGY

Keloid scars as a result of CO2 laser for molluscum contagiosum. Friedman M, et al. **Obstet Gynecol** 1987 Sep; 70(3 Pt 1):394–6
[Rubinstein-Taybi syndrome with multiple keloids] Sammartino A, et al. **J Fr Ophtalmol** 1986;9(11):725–9 (Eng. Abstr.) **(Fre)**
[Keloid scars as a sequel of herpes zoster] Manikhas MG, et al. **Vestn Dermatol Venerol** 1986;(9):54–5 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Collagen gene expression in keloids: analysis of collagen metabolism and type I, III, IV, and V procollagen mRNAs in keloid tissue and keloid fibroblast cultures. Ala-Kokko L, et al. **J Invest Dermatol** 1987 Sep;89(3):238–44

PATHOLOGY

Mast cells in human keloid, small intestine, and lung by an immunoperoxidase technique using a murine monoclonal antibody against tryptase. Craig SS, et al. **Am J Pathol** 1986 Sep;124(3):427–35
Suppurative keloidosis in a black woman. Novick NL, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 2):1090–2

PREVENTION & CONTROL

Pseudomelanoma following treatment with surgical excision and intralesional triamcinolone acetonide to prevent keloid formation. Ronnen M, et al. **Int J Dermatol** 1986 Oct; 25(8):533–4

SURGERY

Pseudofolliculitis barbae with keloids. Edlich RF, et al.
J Emerg Med 1986;4(4):283–6
[Course of the wound process following the cryodestructon of hypertrophic and keloid scars] Losiskaia VM, et al. **Klin Khir** 1987;(3):11–2 (Eng. Abstr.) **(Rus)**

THERAPY

A protocol for the treatment of hypertrophic scars and keloids. Nicolai JP, et al. **Aesthetic Plast Surg** 1987; 11(1):29–32
Wide spread scars, hypertrophic scars, and keloids. Rudolph R. **Clin Plast Surg** 1987 Apr;14(2):253–60
[Treatment of keloid] Litoux P, et al.
Ann Dermatol Venereol 1986;113(9):875–6 **(Fre)**
[Conservative therapy of scars and wrinkles] Landes E.
Z Hautkr 1987 May 15;62(10):805–11 (Eng. Abstr.) **(Ger)**

KEMEROVO GROUP VIRUSES see under **REOVIRIDAE**

KEPONE see under **INSECTICIDES, ORGANOCHLORINE**

KERATAN SULFATE see under **MUCOPOLYSACCHARIDES**

KERATIN

Significance of keratosis and dyskeratosis for classifying hyperplastic aberrations of laryngeal mucosa. Kambič V, et al. **Am J Otolaryngol** 1986 Sep–Oct;7(5):323–33
Do keratinocytes express T6 antigen? [letter] Murphy GF.
Arch Pathol Lab Med 1986 Dec;110(12):1121–2
Marked increase in the frequency of psoriatic arthritis in psoriasis patients with HLA-DR+ keratinocytes. Gottlieb AB, et al. **Arthritis Rheum** 1987 Aug;30(8):901–7
Secondary structure of component 8c-1 of alpha-keratin. An analysis of the amino acid sequence. Dowling LM, et al.
Biochem J 1986 Jun 15;236(3):705–12
Enhancement of Candida albicans killing activity of separated human epidermal cells by ultraviolet radiation. Csato M, et al. **Br J Dermatol** 1987 Apr;116(4):469–75
Elemental changes in guinea-pig epidermis in the hyperplastic response to irritant stimuli. Lindberg M, et al. **Br J Dermatol** 1987 Apr;116(4):477–83
Characterization of malignant rat keratinocytes in culture following the induction of oral squamous cell carcinomas in vivo. Crane IJ, et al. **Carcinogenesis** 1986 Oct; 7(10):1723–7
Isolation, characterization and in vitro cultivation of subfractions of neonatal mouse keratinocytes: effects of phorbol esters. Fürstenberger G, et al. **Carcinogenesis** 1986 Oct;7(10):1745–53
Class II MHC antigen expression by human keratinocytes results from lympho-epidermal interactions and gamma-interferon production. Czernielewski JM, et al.
Clin Exp Immunol 1986 Nov;66(2):295–302
Epidermal keratinocyte Ia expression, Langerhans cell hyperplasia and lymphocytic infiltration in skin lesions of leprosy. Rea TH, et al. **Clin Exp Immunol** 1986 Aug; 65(2):253–9
The morphology of keratohyalin granules in orthokeratotic and parakeratotic skin and oral mucosa. Westerhof W, et al. **Int J Dermatol** 1987 Jun;26(5):308–13
Down regulation of phorbol diester receptors by proteolytic degradation of protein kinase C in a cultured cell line of fetal rat skin keratinocytes. Chida K, et al.
J Biol Chem 1986 Oct 5;261(28):13013–8
Generation of free radicals from organic hydroperoxide tumor promoters in isolated mouse keratinocytes.

Formation of alkyl and alkoxyl radicals from tert-butyl hydroperoxide and cumene hydroperoxide. Taffe BG, et al. **J Biol Chem** 1987 Sep 5;262(25):12143–9

Use of strontium to separate calcium-dependent pathways for proliferation and differentiation in human keratinocytes. Praeger FC, et al. **J Cell Physiol** 1987 Jul;132(1):81–9

Novel regulatory actions of 1 alpha,25-dihydroxyvitamin D3 on the metabolism of polyphosphoinositides in murine epidermal keratinocytes. Tang W, et al. **J Cell Physiol** 1987 Jul;132(1):131–6

Expression of HLA-DR molecules by keratinocytes, and presence of Langerhans cells in the dermal infiltrate of active psoriatic plaques. Gottlieb AB, et al. **J Exp Med** 1986 Oct 1;164(4):1013–28

Human keratinocytes contain mRNA indistinguishable from monocyte interleukin 1 alpha and beta mRNA. Keratinocyte epidermal cell-derived thymocyte-activating factor is identical to interleukin 1. Kupper TS, et al. **J Exp Med** 1986 Dec 1;164(6):2095–100

The growth and structure of human oral keratinocytes in culture. Arenholt-Bindslev D, et al. **J Invest Dermatol** 1987 Mar;88(3):314–9

Changes in lectin binding by differentiating cutaneous keratinocytes from the newborn rat. Brown R, et al. **J Invest Dermatol** 1987 Jun;88(6):719–26

Relationship between cell differentiation and binding of fluorescein isothiocyanate (FITC)-conjugated insulin of keratinocytes in culture. Feng HW, et al. **J Invest Dermatol** 1987 Jul;89(1):73–7

Keratinocytes cultured from subjects with ichthyosis vulgaris are phenotypically abnormal. Fleckman P, et al. **J Invest Dermatol** 1987 May;88(5):640–5

Keratinocyte grafting: covering of skin defects by separated autologous keratinocytes in a fibrin net [letter] Hunyadi J, et al. **J Invest Dermatol** 1987 Jul;89(1):119–20

Inhibition by leukotriene B5 of leukotriene B4-induced activation of human keratinocytes and neutrophils. Kragballe K, et al. **J Invest Dermatol** 1987 May;88(5):555–8

Effects of extracellular matrices on human keratinocyte adhesion and growth and on its secretion and deposition of fibronectin in culture. Kubo M, et al. **J Invest Dermatol** 1987 May;88(5):594–601

Changes in keratinocyte maturation during wound healing. Mansbridge JN, et al. **J Invest Dermatol** 1987 Sep; 89(3):253–63

Identification and subcellular distribution of cornified envelope precursor proteins in the transformed human keratinocyte line SV-K14. Michel S, et al. **J Invest Dermatol** 1987 Mar;88(3):301–5

Ia antigen expressed by keratinocytes can be the molecule of antigen presentation in contact sensitivity. Nishioka K, et al. **J Invest Dermatol** 1987 Jun;88(6):694–8

Ultraviolet B irradiation induces changes in the distribution and release of arachidonic acid, dihomo-gamma-linolenic acid, and eicosapentaenoic acid in human keratinocytes in culture. Punnonen K, et al. **J Invest Dermatol** 1987 May; 88(5):611–4

Differential expression of class II alloantigens by keratinocytes in disease. Volc-Platzer B, et al. **J Invest Dermatol** 1987 Jul;89(1):64–8

Defect in UV-induced unscheduled DNA synthesis in cultured epidermal keratinocytes from xeroderma pigmentosum. Kondo S, et al. **Mutat Res** 1987 Jan; 183(1):95–101

[Immuno-light and electron microscopic study of deoxyribonuclease localization in the nuclei of epidermal keratinocytes and changes following UVB irradiation] Yasui Y. **Nippon Hifuka Gakkai Zasshi** 1986 Sep; 96(10):997–1005 **(Jpn)**

ANALOGS & DERIVATIVES

Biosynthesis of a glycosylated keratin by human keratinocytes. Roberts GP, et al. **Biochim Biophys Acta** 1986 Oct 1;883(3):413–9

ANALYSIS

Expression of 'visceral' cytokeratin and ultrastructural findings in solid cell nests of the thyroid. Harach HR, et al. **Acta Anat (Basel)** 1987;129(4):289–92

Diversity of cytokeratins in carcinomas. Moll R. **Acta Histochem [Suppl] (Jena)** 1987;34:37–44

Distribution of keratin protein in normal prostate and prostatic tumors. An immunohistochemical study. Kuwahara T, et al. **Acta Pathol Jpn** 1987 Feb;37(2):339–42

Merkel cell tumor coexpressing cytokeratin and neurofilament proteins. Sadahira Y, et al. **Acta Pathol Jpn** 1987 Feb;37(2):331–7

The distribution of vimentin and keratin in epithelial and nonepithelial neoplasms. A comprehensive immunohistochemical study on formalin- and alcohol-fixed tumors. Azumi N, et al. **Am J Clin Pathol** 1987 Sep; 88(3):286–96

The differential diagnosis of yolk sac tumor and seminoma. Usefulness of cytokeratin, alpha-fetoprotein, and alpha-1-antitrypsin immunoperoxidase reactions. Eglen DE, et al. **Am J Clin Pathol** 1987 Sep;88(3):328–32

Distinct keratin patterns demonstrated by immunoperoxidase staining of adenocarcinomas, carcinoids, and mesotheliomas using polyclonal and monoclonal anti-keratin antibodies. Kahn HJ, et al. **Am J Clin Pathol** 1986 Nov;86(5):566–74

Gastroenteropancreatic neuroendocrine tumors. A histochemical and immunohistochemical study of epithelial (keratin proteins, carcinoembryonic antigen) and neuroendocrine (neuron-specific enolase, bombesin and chromogranin) markers in foregut, midgut, and hindgut tumors. Nash SV, et al. **Am J Clin Pathol** 1986 Oct; 86(4):415–22

Comparison of cytokeratin expression in primary and metastatic carcinomas. Diagnostic application in surgical pathology. Shah KD, et al. **Am J Clin Pathol** 1987 Jun; 87(6):708–15

Expression of cytokeratins in normal and neoplastic colonic epithelial cells. Implications for cellular differentiation and carcinogenesis. Chesa PG, et al. **Am J Surg Pathol** 1986 Dec;10(12):829–35

Immunohistochemical demonstration of the co-expression of vimentin and cytokeratin(s) in the guinea pig cochlea. Kasper M, et al. **Arch Otorhinolaryngol** 1987;244(1):66–8

Immunologic detection of markers of keratinocyte differentiation [letter] Cramer SF. **Arch Pathol Lab Med** 1987 Jun;111(6):503–4

Cell of origin of distinct cultured rat liver epithelial cells, as typed by cytokeratin and surface component selective expression. Marceau N, et al. **Biochem Cell Biol** 1986 Aug; 64(8):788–802

Immunocytochemical detection of human lung cancer heterogeneity using antibodies to epithelial, neuronal, and neuroendocrine antigens. Broers JL, et al. **Cancer Res** 1987 Jun 15;47(12):3225–34

Cytokeratin characterization of human prostatic carcinoma and its derived cell lines. Nagle RB, et al. **Cancer Res** 1987 Jan 1;47(1):281–6

Absence of cytokeratin in human hepatoma cell lines. Lo SJ, et al. **Cell Biol Int Rep** 1987 Jun;11(6):477–86

Antigenic interrelationship between the 40-kilodalton cytokeratin polypeptide and desmoplakins. Gigi-Leitner O, et al. **Cell Motil Cytoskeleton** 1986;6(6):628–39

An immunocytochemical study of fetal cells at the maternal-placental interface using monoclonal antibodies to keratins, vimentin and desmin. Khong TY, et al. **Cell Tissue Res** 1986;246(1):189–95

The highly modified membrane of cornified cells in stratified squamous epithelia: a comparison of heterogeneous deposits in keratinized and nonkeratinized epithelia. Nakano S, et al. **Cell Tissue Res** 1987 Aug;249(2):331–6

Local variations in the staining patterns of keratin antigens and blood group antigens in normal rodent oral epithelia. Reibel J. **Cell Tissue Res** 1987 May;248(2):345–50

Immunodetection of neuron-specific enolase and keratin in cytological preparations as an aid in the differential diagnosis of lung cancer. Kyrkou KA, et al. **Diagn Cytopathol** 1986 Sep;2(3):217–20

Cytokeratin expression in squamous metaplasia of the human uterine cervix. Gigi-Leitner O, et al. **Differentiation** 1986; 31(3):191–205

The complement of native alpha-keratin polypeptides of hair-forming cells: a subset of eight polypeptides that differ from epithelial cytokeratins. Heid HW, et al. **Differentiation** 1986;32(2):101–19

Distribution of a special subset of keratinocytes characterized by the expression of cytokeratin 9 in adult and fetal human epidermis of various body sites. Moll I, et al. **Differentiation** 1987;33(3):254–65

c-myc and c-fos expression in differentiating mouse primary keratinocytes. Dotto GP, et al. **EMBO J** 1986 Nov; 5(11):2853–7

Differential distribution of cytokeratins after microinjection of anti-cytokeratin monoclonal antibodies. Boller K, et al. **Eur J Cell Biol** 1987 Jun;43(3):459–68

Expression of epidermal differentiation antigens in cultures of interspecific somatic hybrids (human keratinocytes X mouse fibroblasts 3T3-4E). Lizard G, et al. **Exp Cell Biol** 1986;54(5-6):338–45

Embryogenesis of stratified squamous epithelium. I. Tissue-specific expression of keratin proteins. Shuler CF, et al. **Exp Cell Biol** 1986;54(5-6):301–9

Embryogenesis of stratified squamous epithelium. II. Developmental stage-specific immunoreactivity of keratins. Shuler CF, et al. **Exp Cell Biol** 1986;54(5-6):310–8

Tissue distribution of keratin 7 as monitored by a monoclonal antibody. Ramaekers F, et al. **Exp Cell Res** 1987 May; 170(1):235–49

Heterogeneity of keratin distribution in the oral mucosa and skin of mammals as determined using monoclonal antibodies. Murase N, et al. **Histochemistry** 1986; 85(4):265–76

The distribution of cytokeratin antigens in the kidney and in renal tumours. Fleming S, et al. **Histopathology** 1987 Feb;11(2):157–70

Cytokeratin and laminin immunostaining in the diagnosis of cutaneous neuro-endocrine (Merkel cell) tumours. Hall PA, et al. **Histopathology** 1986 Nov;10(11):1179–90

Cytokeratin distribution in Merkel cell tumor of the skin [letter] Leong AS, et al. **Hum Pathol** 1987 Mar;18(3):308–9

Keratins versus epithelial membrane antigen in tumor diagnosis: an immunohistochemical comparison of five monoclonal antibodies. Thomas P, et al. **Hum Pathol** 1987 Jul;18(7):728–34

Isolation and characterization of a spontaneously arising long-lived line of human keratinocytes (NM 1). Baden HP, et al. **In Vitro Cell Dev Biol** 1987 Mar;23(3):205–13

Immunofluorescent characterization of fibronectin, laminin, and keratin in normal and neoplastic human mammary epithelial cells in culture and in breast tissue sections. Alon Y, et al. **Int J Tissue React** 1986;8(5):401–10

Production of procollagenase by cultured human keratinocytes. Petersen MJ, et al. **J Biol Chem** 1987 Jan 15;262(2):835–40

Adenocarcinoma of the lung. Immunohistochemical findings (keratin/CEA). Brockmann M, et al. **J Cancer Res Clin Oncol** 1987;113(4):379–82

The relationship between intermediate filaments and microfilaments before and during the formation of desmosomes and adherens-type junctions in mouse epidermal keratinocytes. Green KJ, et al. **J Cell Biol** 1987 May;104(5):1389–402

Fatty acid composition of bovine teat canal keratin. Hogan JS, et al. **J Dairy Sci** 1986 Sep;69(9):2424–7

Expression of keratin proteins in deeply invasive basal and squamous cell carcinoma: an immunohistochemical study. Robinson JK. **J Dermatol Surg Oncol** 1987 Mar; 13(3):283–94

Flow cytometric sorting and keratin analysis of human epidermal basal cells. Staquet MJ, et al. **J Dermatol (Tokyo)** 1987 Feb;14(1):1–8

A novel protein of rat epidermis—haematoxylin stain-positive protein of keratohyalin granules as the membrane lining protein of the stratum corneum. Tezuka T, et al. **J Dermatol (Tokyo)** 1986 Dec;13(6):417–25

Isoelectric focusing patterns of some mammalian keratins. Carracedo A, et al. **J Forensic Sci** 1987 Jan;32(1):93–9

Elimination of the detection of an artefactual 65 kDa keratin band from immunoblots. Shapiro SZ. **J Immunol Methods** 1987 Aug 24;102(1):143–6

Expression of low molecular weight cytokeratins in the neoplastic vocal cord. Terry RM, et al. **J Laryngol Otol** 1986 Nov;100(11):1279–82

Aberrent expression of low molecular weight cytokeratins in primary and secondary squamous carcinoma of the head and neck. Terry RM, et al. **J Laryngol Otol** 1986 Nov; 100(11):1283–7

Immunolocalisation of cytokeratins in the normal and neoplastic human pituitary gland. Ironside JW, et al. **J Neurol Neurosurg Psychiatry** 1987 Jan;50(1):57–65

Keratin protein identification in dimethylbenzanthracene-induced hamster cheek-pouch squamous cell carcinomas. Shuler CF, et al. **J Oral Pathol** 1987 Apr;16(4):159–63

Evidence of keratin and peroxidase activity in adult Dirofilaria immitis. Ferl JE, et al. **J Parasitol** 1987 Aug; 73(4):864–5

Immunohistochemical study of structural proteins in developing junctional epithelium. Massoth DL, et al. **J Periodontol** 1986 Dec;57(12):756–63

Immunohistochemical investigations on the epimyoepithelial islands in lymphoepithelial lesions. Use of monoclonal keratin antibodies. Caselitz J, et al. **Lab Invest** 1986 Oct; 55(4):427–32

Differential diagnosis of gastrointestinal carcinomas by using monoclonal antibodies specific for individual keratin polypeptides. Osborn M, et al. **Lab Invest** 1986 Oct; 55(4):497–504

The surface structures of the laryngopharyngeal epithelium of the mouse with special reference to the degree of keratinization. Nakano T, et al. **Okajimas Folia Anat Jpn** 1986 Oct;63(4):193–207

Response of murine epidermal keratinocyte cultures to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD): comparison of haired and hairless genotypes. Puhvel SM, et al. **Toxicol Appl Pharmacol** 1987 Jun 15;89(1):29–36

Clinical, electron microscopic, and monoclonal antibody studies of intraocular epithelial downgrowth. Rodrigues MM, et al. **Trans Am Ophthalmol Soc** 1986;84:146–69

Tissue polypeptide antigen (TPA) in pleural effusions. Parazzi F, et al. **Tumori** 1987 Feb 28;73(1):33–6

Variability of expression and arrangement of cytokeratin and neurofilaments in cutaneous neuroendocrine carcinomas (Merkel cell tumors): immunocytochemical and biochemical analysis of twelve cases. Moll R, et al. **Ultrastruct Pathol** 1986;10(6):473–95

Intermediate filaments and desmosomal plaque proteins in testicular seminomas and non-seminomatous germ cell tumours as revealed by immunohistochemistry. Denk H, et al. **Virchows Arch [A]** 1987;410(4):295–307

Lamellar cells of sensory receptors and perineural cells of nerve endings of pig skin contain cytokeratins. Ortonne JP, et al. **Virchows Arch [A]** 1987;410(6):547–52

Laryngeal papillomas: local cellular immune response, keratinization and viral antigen. Chardonnet Y, et al. **Virchows Arch [B]** 1986;51(5):421–8

Simultaneous immunoenzyme staining of vimentin and cytokeratins with monoclonal antibodies as an aid in the differential diagnosis of malignant mesothelioma from pulmonary adenocarcinoma. Mullink H, et al. **Virchows Arch [B]** 1986;52(1):55–65

[Pathological diagnosis of head and neck tumors using immunohistochemical localization of keratin] Shi SR, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Jun;17(2):144–7 (Eng. Abstr.) **(Chi)**

[Study of 2 markers, keratin and neuron-specific enolase, in bronchial cancers] Viallat JR, et al. **Rev Pneumol Clin** 1986; 42(3):119–24 (Eng. Abstr.) **(Fre)**

[Keratin expression in preneoplastic lesions of the bronchial mucosa] Hrazdilek B, et al. **Verh Dtsch Ges Pathol** 1986;

70:300–3 (Eng. Abstr.) **(Ger)**

[Patterns of defined cytokeratins in normal epithelium, hyperplasia and carcinomas of the mucosa in the upper digestive tract (an immunohistochemical study)] Lobeck H, et al. **Verh Dtsch Ges Pathol** 1986;70:238–42 (Eng. Abstr.) **(Ger)**

[A simple method of preparation of keratin filaments and production of a polyclonal broad-spectrum anti-cytokeratin antiserum for immunohistochemical application in fixed and unfixed epithelial tissues] Döpel SH, et al. **Zentralbl Allg Pathol** 1986;132(3):197–207 (Eng. Abstr.) **(Ger)**

[Significance of immunohistochemistry in neuro-oncology. V. Keratin as a marker for epithelial differentiation of primary and secondary intracranial and intraspinal tumors] Gottschalk J, et al. **Zentralbl Allg Pathol** 1987; 133(2):133–45 (Eng. Abstr.) **(Ger)**

[The mutual relationship with hematoxylin stain positive protein and keratohyalin granules in newborn rat epidermis] Takahashi M, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Nov;96(12):1225–9 **(Jpn)**

[Expression of vimentin and prekeratins in solid and ascites variants of Zajdela hepatoma] Karavanova ID, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):462–6 (Eng. Abstr.) **(Rus)**

[Changes in the expression of prekeratins with molecular weight of 55 and 40 kD in monolayer epithelium during skin morphogenesis in rats] Troianovskiĭ SM, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):478–81 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Specific alterations in keratin biosynthesis in mouse epidermis in vivo and in explant culture following a single exposure to the tumor promoter 12-O-tetradecanoylphorbol-13-acetate. Molloy CJ, et al. **Cancer Res** 1987 Sep 1;47(17):4674–80

Alterations in the expression of specific epidermal keratin markers in the hairless mouse by the topical application of the tumor promoters 2,3,7,8-tetrachlorodibenzo-p-dioxin and the phorbol ester 12-O-tetradecanoylphorbol-13-acetate. Molloy CJ, et al. **Carcinogenesis** 1987 Sep;8(9):1193–9

Suprabasal expression of a 64-kilodalton keratin (no. 3) in developing human corneal epithelium. Rodrigues M, et al. **Differentiation** 1987;34(1):60–7

Expression of keratins during experimentally induced carcinogenesis in hamster cheek pouch visualized polyclonal and monoclonal antibodies. Tsutemoto Y, et al. **Histochemistry** 1987;86(5):445–52

Retinoids as important regulators of terminal differentiation: examining keratin expression in individual epidermal cells at various stages of keratinization. Kopan R, et al. **J Cell Biol** 1987 Jul;105(1):427–40

Herpes simplex virus-induced changes of the keratin type intermediate filament in rat epithelial cells. Nørregård Nielsen L, et al. **J Gen Virol** 1987 Mar;68 (Pt 3):737–48

Monoclonal antibody analysis of keratin expression in the central nervous system. Franko MC, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3482–5

Expression of cytokeratins and vimentin in epithelial cells of normal and pathologic thyroid tissue. Henzen-Logmans SC, et al. **Virchows Arch [A]** 1987;410(4):347–54

[Prekeratin expression of simple epithelia in the cells of long-term cultured epithelial lines of the rat liver] Troianovskiĭ SM. **Tsitologiia** 1987 Jun;29(6):727–31 (Eng. Abstr.) **(Rus)**

DEFICIENCY

[Epidermal keratins and terminal epidermal keratins in palmoplantar keratosis; special emphasis of defective 70KD, 68KD, 66KD, 63KD, epidermal keratins and terminal modification in Thost-Unna type palmoplantar keratosis] Aso K, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Aug;96(9):913–9 **(Jpn)**

GENETICS

The primary structure of component 8c-1, a subunit protein of intermediate filaments in wool keratin. Relationships with proteins from other intermediate filaments. Dowling LM, et al. **Biochem J** 1986 Jun 15;236(3):695–703

Studies on keratin multigene families. Rogers GE. **Biochem Soc Symp** 1984;49:85–108 (61 ref.)

The transfection of epidermal keratin genes into fibroblasts and simple epithelial cells: evidence for inducing a type I keratin by a type II gene. Giudice GJ, et al. **Cell** 1987 Feb 13;48(3):453–63

Cytokeratin expression in simple epithelia. III. Detection of mRNAs encoding human cytokeratins nos. 8 and 18 in normal and tumor cells by hybridization with cDNA sequences in vitro and in situ. Leube RE, et al. **Differentiation** 1986;33(1):69–85

Comparison of mouse and human keratin 18: a component of intermediate filaments expressed prior to implantation. Oshima RG, et al. **Differentiation** 1986;33(1):61–8

Amino acid sequence and gene organization of cytokeratin no. 19, an exceptional tail-less intermediate filament protein. Bader BL, et al. **EMBO J** 1986 Aug;5(8):1865–75

Differentially expressed bovine cytokeratin genes. Analysis of gene linkage and evolutionary conservation of 5'-upstream sequences. Blessing M, et al. **EMBO J** 1987 Mar;6(3):567–75

Sheep wool (glycine + tyrosine)-rich keratin genes. A family of low sequence homology. Kuczek ES, et al. **Eur J Biochem** 1987 Jul 1;166(1):79–85

Three cDNA sequences of mouse type I keratins. Cellular localization of the mRNAs in normal and hyperproliferative tissues. Knapp B, et al. **J Biol Chem** 1987 Jan 15;262(2):938–45

The expression of mutant epidermal keratin cDNAs transfected in simple epithelial and squamous cell carcinoma lines. Albers K, et al. **J Cell Biol** 1987 Aug; 105(2):791–806

Stage-specific keratins in Xenopus laevis embryos and tadpoles: the XK81 gene family. Miyatani S, et al. **J Cell Biol** 1986 Nov;103(5):1937–65

Polymorphic keratins in human epidermis. Mischke D, et al. **J Invest Dermatol** 1987 Feb;88(2):191–7

Evolution of keratin genes: different protein domains evolve by different pathways. Klinge EM, et al. **J Mol Evol** 1987; 24(4):319–29

Potential applications of anti-keratin antibodies in oral diagnosis. Morgan PR, et al. **J Oral Pathol** 1987 Apr; 16(4):212–22 (44 ref.)

Three tightly linked genes encoding human type I keratins: conservation of sequence in the 5'-untranslated leader and 5'-upstream regions of coexpressed keratin genes. RayChaudhury A, et al. **Mol Cell Biol** 1986 Feb;6(2):539–48

Suppression of endo B cytokeratin by its antisense RNA inhibits the normal coexpression of endo A cytokeratin. Trevor K, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(4):1040–4

IMMUNOLOGY

Fungal infections inducing HLA-DR but not HLA-DQ transplantation antigens on keratinocytes. Johansson S, et al. **Acta Derm Venereol (Stockh)** 1986;66(4):277–80

Comparison of keratin monoclonal antibodies MAK-6, AE1:AE3, and CAM-5.2. Listrom MB, et al. **Am J Clin Pathol** 1987 Sep;88(3):297–301

Localization of immunoreactive keratins in cyst epithelium of chick ultimobranchial glands. Kameda Y, et al. **Anat Rec** 1986 Nov;216(3):396–404

Expression of T6 antigen on the epidermal keratinocytes in various dermatoses [letter] **Br J Dermatol** 1986 Oct; 115(4):511–4

Cell proliferation kinetics of cultured human keratinocytes and fibroblasts measured using a monoclonal antibody. Oku T, et al. **Br J Dermatol** 1987 May;116(5):673–9

In vivo induction of Ia antigens on rat keratinocytes by gamma-interferon. Scheynius A, et al. **Br J Dermatol** 1986 Nov;115(5):543–9

HLA-DR antigen expression on keratinocytes in highly inflamed parts of psoriatic lesions. Terui T, et al. **Br J Dermatol** 1987 Jan;116(1):87–93

Class II MHC antigen expression by human keratinocytes results from lympho-epidermal interactions and gamma-interferon production. Czernielewski JM, et al. **Clin Exp Immunol** 1986 Nov;66(2):295–302

Expression of monoclonal antibody-defined epitopes of keratin 19 in human tumours and cultured cells. Bártek J, et al. **Eur J Cancer Clin Oncol** 1986 Dec;22(12):1441–52

Differential expression of keratin 19 in normal human epithelial tissues revealed by monospecific monoclonal antibodies. Bártek J, et al. **Histochem J** 1986 Oct; 18(10):565–75

Application of anti-leukocyte common antigen and anti-cytokeratin antibodies to the biopsy diagnosis of gastric large cell lymphoma. Dean PJ, et al. **Hum Pathol** 1987 Sep;18(9):918–23

Distribution patterns of cytokeratin antigen determinants in alcoholic and nonalcoholic liver diseases. Ray MB. **Hum Pathol** 1987 Jan;18(1):61–6

An enzyme immunoassay for auto-antibodies to keratin in normal human serum and in pleural fluids from patients with various malignant or non-malignant lung diseases. Lambré CR, et al. **J Clin Lab Immunol** 1986 Aug; 20(4):171–6

Characterization of two monoclonal antibodies to human epidermal keratohyalin: reactivity with filaggrin and related proteins. Dale BA, et al. **J Invest Dermatol** 1987 Mar;88(3):306–13

An autoantibody in pemphigus serum, specific for the 59 kD keratin, selectively binds the surface of keratinocytes: evidence for an extracellular keratin domain. Diaz LA, et al. **J Invest Dermatol** 1987 Sep;89(3):287–95

Apoptotic keratin bodies as autoantigen causing the production of IgM-anti-keratin intermediate filament autoantibodies. Grubauer G, et al. **J Invest Dermatol** 1986 Oct;87(4):466–71

Phagocytosis of keratin filament aggregates following opsonization with IgG-anti-keratin filament autoantibodies. Hintner H, et al. **J Invest Dermatol** 1987 Feb;88(2):176–82

Natural IgM and IgG autoantibodies to epidermal keratins in normal human sera. I: ELISA-titration, immunofluorescence study. Serre G, et al. **J Invest Dermatol** 1987 Jan;88(1):21–7

Flow cytometric sorting of human epidermal pure basal cell suspensions using a specific antikeratin monoclonal antibody. Staquet MJ, et al. **J Invest Dermatol** 1986 Dec; 87(6):792–4

Identification of the conserved, conformation-dependent cytokeratin epitope recognized by monoclonal antibody (lu-5). Franke WW, et al. **Virchows Arch [A]** 1987; 411(2):137–47

[Immunohistochemistry of cytokeratins in prostate tissue as a possible sensitive method for the screening of veal calves treated with anabolic estrogens] Weijman J, et al. **Tijdschr Diergeneeskd** 1987 May 1;112(9):507–13 (Eng. Abstr.) **(Dut)**

[Early appearance of antikeratin antibodies] Le Goff P, et al. **Rev Rhum Mal Osteoartic** 1986 Dec;53(12):699–700 **(Fre)**

[Anti-keratin antibodies. A marker of progressive rheumatoid arthritis] Meyer O, et al. **Rev Rhum Mal Osteoartic** 1986 Nov;53(11):601–5 (Eng. Abstr.) **(Fre)**

[Anti-stratum corneum antibody in the rat esophagus, anti-epidermal keratin and anti-epidermis autoantibodies in rheumatoid polyarthritis and other rheumatic diseases. Diagnostic value and basic aspects] Serre G, et al. **Rev Rhum Mal Osteoartic** 1986 Nov;53(11):607–14 (Eng. Abstr.) **(Fre)**

[Anti-keratin filament autoantibodies] Hintner H. **Hautarzt** 1987 Mar;38(3):131–7 (Eng. Abstr.) **(Ger)**

[Detection of metastases in breast cancer. Comparative histologic and immunohistochemical studies with monoclonal anti-cytokeratin antibodies of the axillary lymph nodes] Stosiek P, et al. **Pathologe** 1986 Nov; 7(6):324–6 **(Ger)**

[Use of antikeratin antibodies in the immunofluorescent histological demonstration of orofacial tissues and neoplasms] Töpel K, et al. **Zahn Mund Kieferheilkd** 1986; 74(5):479–86 (Eng. Abstr.) **(Ger)**

[An immunohistochemical study on esophageal carcinomas with various kinds of antikeratin antibodies] Mizutani N, et al. **Nippon Geka Gakkai Zasshi** 1987 Apr;88(4):422–31 (Eng. Abstr.) **(Jpn)**

[Ano-sacral cutaneous amyloidosis--dylon positive material does not react with monoclonal antikeratin antibody EKH4] Mukai H, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Nov;96(12):1247–51 **(Jpn)**

[An immunohistochemical study on basal cell epithelioma using anti-keratin monoclonal antibodies] Shimizu N. **Nippon Hifuka Gakkai Zasshi** 1987 May;97(6):691–7 **(Jpn)**

[Anti-keratin antibodies: their significance in the diagnosis and prognosis of systemic connective tissue diseases] Maldyk E. **Pol Tyg Lek** 1987 Jan 12;42(2):35–7 **(Pol)**

[Unmasking of one of the prekeratin antigenic determinants with molecular weight of 40 kD in the developing epithelium of the rat lung] Troianovskiĭ SM, et al. **Dokl Akad Nauk SSSR** 1987;292(4):1000–2 **(Rus)**

ISOLATION & PURIFICATION

Isolation of melanosomes from keratinous structures: current state of the art. Borovanský J, et al. **Arch Dermatol Res** 1986;279(1):54–8

Cytokeratins of the bovine hoof: classification and studies on expression. Kvedar JC, et al. **Biochim Biophys Acta** 1986 Dec 10;884(3):462–73

Separation of cytokeratin polypeptides by gel electrophoretic and chromatographic techniques and their identification by immunoblotting. Achtstaetter T, et al. **Methods Enzymol** 1986;134:355–71

METABOLISM

Ultrastructural studies of the transitional zone in the nasopharyngeal epithelium, with special reference to the keratinizing process in the mouse. Nakano T. **Acta Anat (Basel)** 1986;127(1):22–47

Choroid plexus tumors. An immunocytochemical study with particular reference to the coexpression of intermediate filament proteins. Doglioni C, et al. **Am J Pathol** 1987 Jun; 127(3):519–29

Keratin polypeptides in malignant epithelial liver tumors. Differential diagnostic and histogenetic aspects. Fischer HP, et al. **Am J Pathol** 1987 Jun;127(3):530–7

An adenoid squamous carcinoma-forming cell line established from an oral keratinizing squamous cell carcinoma expressing carcinoembryonic antigen. Yanagawa T, et al. **Am J Pathol** 1986 Sep;124(3):496–509

Nuclear differentiation and ultimate fate during epidermal keratinization. Two-wavelength and cytofluorometric DNA investigations completed by computerized scanning image analysis. Broekaert D, et al. **Arch Dermatol Res** 1986; 279(2):100–11

Increased aggregation and arachidonic acid transformation by psoriatic platelets: evidence that platelet-derived 12-hydroxy-eicosatetraenoic acid increases keratinocyte DNA synthesis in vitro. Kragballe K, et al. **Arch Dermatol Res** 1986;278(6):449–53

Immunohistochemical studies of basal cell carcinomas transplanted into nude mice. Löning TH, et al. **Arch Dermatol Res** 1986;279(1):37–43

UVB irradiation induces changes in the distribution and release of 14C-arachidonic acid in human keratinocytes in culture. Punnonen K, et al. **Arch Dermatol Res** 1986; 278(6):441–4

Detection of basal-cell determinant(s) in human psoriatic skin: a monoclonal antibody study. Tank B, et al. **Arch Dermatol Res** 1986;279(1):68–70

Effect of growth environment on spatial expression of involucrin by human epidermal keratinocytes. Watt FM,

et al. **Arch Dermatol Res** 1987;279(5):335–40

Cellular confluence determines injury–induced prostaglandin E2 synthesis by human keratinocyte cultures. Pentland AP, et al. **Biochim Biophys Acta** 1987 May 13;919(1):71–8

Epidermal alpha–keratin is neutral–buffer–soluble and forms intermediate filaments under physiological conditions in vitro. Skerrow D, et al. **Biochim Biophys Acta** 1987 Sep 2;915(1):125–31

Assemblies of psoriatic keratin and their relation to normal intermediate filament structures. Trachtenberg S. **Biochim Biophys Acta** 1987 Mar 19;923(3):327–32

Sulphation and fibronectin–binding properties of heparan sulphate glycosaminoglycans from transformed cultured human keratinocytes. Brown KW. **Br J Cancer** 1987 Mar; 55(3):295–7

Paget's disease of the nipple: a ten year review including clinical, pathological, and immunohistochemical findings. Chaudary MA, et al. **Breast Cancer Res Treat** 1986; 8(2):139–46

Immunocytochemical evaluation of primary human esophageal carcinomas and their xenografts for keratin, beta–chorionic gonadotropin, placental lactogen, alpha–fetoprotein, carcinoembryonic antigen, and nonspecific cross–reacting antigen. Burg–Kurland CL, et al. **Cancer Res** 1986 Nov;46(11):5730–7

2,5–hexanedione aggregates vimentin–, but not keratin–, intermediate filaments of PtK1 cells. Durham HD. **Cell Biol Int Rep** 1987 Apr;11(4):307–18

Changes in submandibular glands of vitamin A–deficient mice—histomorphology, immunohistochemistry of EGF and keratin and lectin binding patterns. Hyun KH, et al. **Cell Mol Biol** 1986;32(5):499–509

Cytochalasin B–induced redistribution of cytokeratin filaments in PtK1 cells. Wolf KM, et al. **Cell Motil Cytoskeleton** 1987;7(4):347–60

Change of intracellular fluidity during keratinocyte differentiation measured by fluorescence polarization. Hachisuka H, et al. **Cell Tissue Res** 1986;246(3):557–60

Abnormal keratinization in restrictive dermopathy. Dale BA, et al. **Curr Probl Dermatol** 1987;17:45–51

Omphalokeratolith. Friedman SJ, et al. **Cutis** 1987 Aug; 40(2):144–6

Environmental induction of differentiation–specific keratins in malignant mouse keratinocyte lines. Breitkreutz D, et al. **Eur J Cell Biol** 1986 Dec;42(2):255–67

Keratin filament disruption in interphase and mitotic cells—how is it induced? Tölle HG, et al. **Eur J Cell Biol** 1987 Feb;43(1):35–47

Isolation, characterization, and in vitro cultivation of keratinocyte subfractions from adult NMRI mouse epidermis: epidermal target cells for phorbol esters. Gross M, et al. **Exp Cell Res** 1987 Aug;171(2):460–74

Differentiation–related changes of cytokeratin expression in cultured keratinocytes and in fetal, newborn, and adult epidermis. Van Muijen GN, et al. **Exp Cell Res** 1987 Aug; 171(2):331–45

Characterization of established epithelioid cell lines derived from rat liver: expression of cytokeratin filaments. Neupert G, et al. **Exp Pathol** 1987;31(3):161–7

Activity of organic volatile compounds against some keratinophilic fungi. Rathore RS, et al. **Hindustan Antibiot Bull** 1986 Feb–Nov;28(1–4):20–3

Cytokeratin expression in smooth muscle and smooth muscle tumours. Brown DC, et al. **Histopathology** 1987 May; 11(5):477–86

Is keratin present in smooth muscle? Gusterson BA. **Histopathology** 1987 May;11(5):549–52

An analysis of the sensitivity and specificity of the cytokeratin marker CAM 5.2 for epithelial tumours. Results of a study of 203 sarcomas, 50 carcinomas and 28 malignant melanomas. Leader M, et al. **Histopathology** 1986 Dec; 10(12):1315–24

Cytokeratin–specific monoclonal antibodies are reactive with tumours of smooth muscle derivation. An immunocytochemical and biochemical study using antibodies to intermediate filament cytoskeletal proteins. Norton AJ, et al. **Histopathology** 1987 May;11(5):487–99

Expression of epithelial markers in sarcomatoid carcinoma: an immunohistochemical study. Ogawa K, et al. **Histopathology** 1987 May;11(5):511–22

Keratinolytic activity of cutaneous and oral bacteria. Mikx FH, et al. **Infect Immun** 1987 Mar;55(3):621–5

Amyloid in squamous cell carcinoma of the vagina: immunohistochemical study with monoclonal anti–keratin antibodies. Hsueh S, et al. **Int J Gynecol Pathol** 1986; 5(4):357–61

Reactivity of two monoclonal antibodies (Troma 1 and CAM 5.2) on human tissue sections: analysis of their usefulness as a histological trophoblast marker in normal pregnancy and trophoblastic disease. Sasagawa M, et al. **Int J Gynecol Pathol** 1986;5(4):345–56

Effect of minoxidil on pre– and postconfluent keratinocytes. Kubilus J, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 2):648–52

Degradation of type I collagen by rat mucosal keratinocytes. Evidence for secretion of a specific epithelial collagenase. Lin HY, et al. **J Biol Chem** 1987 May 15;262(14):6823–31

Co–expression of cytokeratins and neurofilament proteins in a permanent cell line: cultured rat PC12 cells combine neuronal and epithelial features. Franke WW, et al. **J Cell Biol** 1986 Nov;103(5):1933–43

Acidic and basic hair/nail ("hard") keratins: their colocalization in upper cortical and cuticle cells of the human hair follicle and their relationship to "soft" keratins. Lynch MH, et al. **J Cell Biol** 1986 Dec;103(6 Pt 2):2593–606

Differential localization of distinct keratin mRNA–species in mouse tongue epithelium by in situ hybridization with specific cDNA probes. Rentrop M, et al. **J Cell Biol** 1986 Dec;103(6 Pt 2):2583–91

Evidence for posttranscriptional regulation of the keratins expressed during hyperproliferation and malignant transformation in human epidermis. Tyner AL, et al. **J Cell Biol** 1986 Nov;103(5):1945–55

Organ culture of skin of rabbits and guinea pigs: maintenance of complete keratinization and effect of lithium on keratinization. Kondo S, et al. **J Dermatol (Tokyo)** 1986 Apr;13(2):92–100

Fibrous proteins of trichilemma–oid epidermal keratinization without keratohyalin granules formation—electron microscopic and electrophoretic studies. Tezuka T, et al. **J Dermatol (Tokyo)** 1987 Apr;14(2):101–5

Human keratinocytes and epidermoid carcinoma cell lines produce a cytokine with interleukin 3–like activity. Danner M, et al. **J Invest Dermatol** 1987 Apr;88(4):353–61

Selective binding of colloidal gold–protein conjugates to epidermal phosphorus–rich keratohyaline granules and cornified cells. Jessen H, et al. **J Invest Dermatol** 1986 Dec; 87(6):737–40

Exposure to 12–O–tetradecanoylphorbol–13–acetate (TPA) induces the synthesis of histidine–rich protein (filaggrin) in monolayer cultures of rat keratinocytes. Kim HJ, et al. **J Invest Dermatol** 1987 May;88(5):624–9

Free radical reduction by thioredoxin reductase at the surface of normal and vitiliginous human keratinocytes. Schallreuter KU, et al. **J Invest Dermatol** 1986 Dec; 87(6):728–32

Selective suppression of two postnatally acquired 70 kD and 65 kD keratin proteins during continuous treatment of adult mouse tail epidermis with vitamin A. Schweizer J, et al. **J Invest Dermatol** 1987 Aug;89(2):125–31

Low molecular weight cytokeratin proteins in cervical neoplasia [letter] Wells M, et al. **J Pathol** 1986 Sep; 150(1):69–71

Granulocyte colony stimulating activity derived from human keratinocytes. Denburg JA, et al. **Lymphokine Res** 1986 Fall;5(4):261–74

Sulphur radicals formed by cutting alpha–keratin. Chandra H, et al. **Nature** 1987 Aug 27–Sep 2;328(6133):833–4

Production and auto–induction of transforming growth factor–alpha in human keratinocytes. Coffey RJ Jr, et al. **Nature** 1987 Aug 27–Sep 2;328(6133):817–20

Immunohistochemical demonstration of cytokeratins in the human prostate. Wernert N, et al. **Pathol Res Pract** 1986 Dec;181(6):668–74

Immunohistochemical observations of keratins, involucrin, and epithelial membrane antigen in urinary bladder carcinomas from patients infected with Schistosoma haematobium. Fukushima S, et al. **Virchows Arch [A]** 1987; 411(2):103–15

Cytokeratin polypeptides expression in different epithelial elements of human salivary glands. Geiger S, et al. **Virchows Arch [A]** 1987;410(5):403–14

[Odontogenic keratocyst: a clinical case and review of the literature] Caroli A, et al. **Acta Stomatol Belg** 1986 Dec; 83(4):237–41 (10 ref.) **(Fre)**

[Infected keratocyst of the maxilla] Friedrich M. **ROFO** 1987 Jul;147(1):105–7 **(Ger)**

PHYSIOLOGY

Azelaic acid vs. placebo: effects on normal human keratinocytes and melanocytes. Electron microscopic evaluation after long–term application in vivo. Mayer–da Silva A, et al. **Acta Derm Venereol (Stockh)** 1987; 67(2):116–22

Expression of glial filament protein (GFP) in nerve sheaths and non–neural cells re–examined using monoclonal antibodies, with special emphasis on the co–expression of GFP and cytokeratins in epithelial cells of human salivary gland and pleomorphic adenomas. Achstätter T, et al. **Differentiation** 1986;31(3):206–27

Keratinocytes grown at the air–liquid interface. Bernstam LI, et al. **In Vitro Cell Dev Biol** 1986 Dec;22(12):695–705

Calcium–induced assembly of adherens junctions in keratinocytes. O'Keefe EJ, et al. **J Cell Biol** 1987 Aug; 105(2):807–17

Functional design of horse hoof keratin: the modulation of mechanical properties through hydration effects. Bertram JE, et al. **J Exp Biol** 1987 Jul;130:121–36

Fracture toughness design in horse hoof keratin. Bertram JE, et al. **J Exp Biol** 1986 Sep;125:29–47

Reorganization of keratin intermediate filaments by the drug–induced disruption of microfilaments in cultured human keratinocytes. Kitajima Y, et al. **J Invest Dermatol** 1986 Nov;87(5):565–9

Migrating keratinocytes express urokinase–type plasminogen activator. Morioka S, et al. **J Invest Dermatol** 1987 Apr; 88(4):418–23

Onset of epidermal differentiation in rapidly proliferating basal keratinocytes. Régnier M, et al. **J Invest Dermatol** 1986 Oct;87(4):472–6

Activation of human keratinocyte fibronectin receptor function in relation to other ligand–receptor interactions. Toda K, et al. **J Invest Dermatol** 1987 Apr;88(4):412–7

Zinsser–Cole–Engman syndrome (dyskeratosis congenita) with cataract—a rare association. Menon V, et al. **Jpn J Ophthalmol** 1986;30(2):192–6

RADIATION EFFECTS

The radiosensitivity of cultured human and mouse keratinocytes. Parkinson EK, et al. **Int J Radiat Biol** 1986 Oct;50(4):717–26

SECRETION

Presence of proteolytically processed keratins in the culture medium of MCF–7 cells. Chan R, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6353–9

KERATITIS

CHEMICALLY INDUCED

Hibiclens keratitis. Hamed LM, et al. **Am J Ophthalmol** 1987 Jul 15;104(1):50–6

Keratitis associated with the use of proparacaine hydrochloride. Brent MH, et al. **Can Med Assoc J** 1987 Feb 15;136(4):380–1

COMPLICATIONS

Intralabyrinthine osteogenesis in Cogan's syndrome. Rarey KE, et al. **Am J Otolaryngol** 1986 Nov–Dec;7(6):387–90

Vestibuloauditory impairment in Cogan's syndrome: a case report. Laffin MA, et al. **J Otolaryngol** 1987 Jun; 16(3):137–9

[A rare cause of episcleritis: Cogan's syndrome] Dufier JL, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep;86(8–9):967–9 **(Fre)**

CONGENITAL

KID syndrome: congenital ichthyosiform dermatosis with keratitis and deafness—report of the first case in Japan. Muramatsu T, et al. **J Dermatol (Tokyo)** 1987 Apr; 14(2):158–62

DIAGNOSIS

Acanthamoeba—the ultimate opportunist? Jones DB. **Am J Ophthalmol** 1986 Oct 15;102(4):527–30

Mycobacterium chelonae keratitis. Matoba A. **Am J Ophthalmol** 1987 Apr 15;103(4):595–6

Keratitis associated with the multiple endocrine deficiency, autoimmune disease, and candidiasis syndrome. Wagman RD, et al. **Am J Ophthalmol** 1987 Apr 15;103(4):569–75

Interstitial keratitis in untreated latent (late) syphilis. Brooks AM, et al. **Aust N Z J Ophthalmol** 1986 May;14(2):127–32

Fluorescein angiography in the differential diagnosis of sclerokeratitis. Watson P, et al. **Br J Ophthalmol** 1987 Feb; 71(2):145–51

Microbiological diagnosis of suppurative keratitis in Bangladesh. Williams G, et al. **Br J Ophthalmol** 1987 Apr; 71(4):315–21

Study of mycotic keratitis. Poria VC, et al. **Indian J Ophthalmol** 1985 Jul–Aug;33(4):229–31

Clinical and electrophysiological studies in a patient with keratitis, ichthyosis and deafness (KID) syndrome. Chia LG, et al. **J Neurogenet** 1987 Jan;4(1):57–64

Radial keratoneuritis as a presenting sign in Acanthamoeba keratitis. Moore MB, et al. **Ophthalmology** 1986 Oct; 93(10):1310–5

[2 cases of acquired corneal toxoplasmosis] Chbialeva KI, et al. **Oftalmol Zh** 1987;(4):252–3 **(Rus)**

DRUG THERAPY

Pseudomonas corneoscleritis [letter] Hessburg PC. **Am J Ophthalmol** 1987 May 15;103(5):725–6

Miconazole and ketoconazole as a satisfactory first–line treatment for keratomycosis [letter] Ishibashi Y. **Am J Ophthalmol** 1986 Oct 15;102(4):547–8

Topical ketoconazole for experimental Candida keratitis in rabbits. Ishibashi Y, et al. **Am J Ophthalmol** 1986 Oct 15; 102(4):522–6

Management strategies in peripheral ulcerative keratitis. Wagoner MD, et al. **Int Ophthalmol Clin** 1986 Winter; 26(4):147–57

In vitro and in vivo susceptibility of Candida keratitis to topical polyenes. O'Day DM, et al. **Invest Ophthalmol Vis Sci** 1987 May;28(5):874–80

[Therapy of bacterial infections in varicella–zoster kerato–uveitis] Bialasiewicz AA, et al. **Fortschr Ophthalmol** 1987;84(3):252–4 (Eng. Abstr.) **(Ger)**

[Therapeutic possibilities in mycotic corneal processes] Gračner B. **Fortschr Ophthalmol** 1987;84(3):245–6 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Medical and surgical treatment of Acanthamoeba keratitis [letter] **Am J Ophthalmol** 1987 Sep 15;104(3):309–11

Medical and surgical treatment of Acanthamoeba keratitis. Cohen EJ, et al. **Am J Ophthalmol** 1987 May 15; 103(5):615–25

Acute and chronic keratitis with ulceration after corneal exposure to helium ion irradiation. Gerber DS, et al. **Am J Ophthalmol** 1987 Aug 15;104(2):189–90

Rapid resolution of early Acanthamoeba keratitis after

epithelial debridement. Holland GN, et al. **Am J Ophthalmol** 1987 Jul 15;104(1):87–9

Acanthamoeba keratitis associated with gas-permeable contact lens wear. Koenig SB, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):832

Stromal keratitis with anterior membrane dystrophy. Jaros PA, et al. **Ann Ophthalmol** 1986 Oct;18(10):283–4

Bilateral simultaneous Pseudomonas keratitis with myopic extended-wear contact lenses. Shivitz IA. **Ann Ophthalmol** 1987 Jun;19(6):204–6

Mycobacterium chelonei keratitis following penetrating keratoplasty. Laflamme MY, et al. **Can J Ophthalmol** 1987 Apr;22(3):178–80

Acanthamoeba keratitis. A review of the literature. Auran JD, et al. **Cornea** 1987;6(1):2–26 (110 ref.)

Herpes simplex masquerade syndrome: acanthamoeba keratitis. Johns KJ, et al. **Curr Eye Res** 1987 Jan;6(1):207–12

Acanthamoeba keratitis in soft contact lens wearers. Dornic DI, et al. **J Am Optom Assoc** 1987 Jun;58(6):482–6

Contact lenses need tender, loving care, ophthalmologists warn, or infection may result [news] Kirn TF. **JAMA** 1987 Jul 3;258(1):18

Acanthamoeba keratitis in soft contact lens wearers. A case-control study. Stehr-Green JK, et al. **JAMA** 1987 Jul 3;258(1):57–60

Acanthamoeba keratitis in soft-contact-lens wearers. **MMWR** 1987 Jul 3;36(25):397–8, 403–4

Severe corneal infections associated with contact lens wear. Chalupa E, et al. **Ophthalmology** 1987 Jan;94(1):17–22

Shigella keratitis: a report of two cases and a review of the literature. Tobias JD, et al. **Pediatr Infect Dis J** 1987 Jan; 6(1):79–81

[Mixed viral and bacterial infection of the eyes caused by Herpes virus hominis and Pseudomonas aeruginosa] Malkhanov VB, et al. **Oftalmol Zh** 1986;(4):249–50 **(Rus)**

FAMILIAL & GENETIC

Keratoendotheliitis fugax hereditaria. A clinical and specular microscopic study of a family with dominant inflammatory corneal disease. Ruusuvaara P, et al. **Acta Ophthalmol (Copenh)** 1987 Apr;65(2):159–69

Keratitis, ichthyosis, and deafness (KID) syndrome. Vertical transmission and death from multiple squamous cell carcinomas. Grob JJ, et al. **Arch Dermatol** 1987 Jun; 123(6):777–82

Dominantly inherited keratitis. Kivlin JD, et al. **Arch Ophthalmol** 1986 Nov;104(11):1621–3

Hereditary sensory neuropathy with neurotrophic keratitis. Description of an autosomal recessive disorder with a selective reduction of small myelinated nerve fibres and a discussion of the classification of the hereditary sensory neuropathies. Donaghy M, et al. **Brain** 1987 Jun;110 (Pt 3):563–83

Hereditary sensory neuropathy (HSN) type I with neurotrophic keratitis. Bhaskar PA. **J Assoc Physicians India** 1986 May;34(5):379–81

IMMUNOLOGY

Properdin-mediated immune ring formation associated with Pseudomonas keratitis [letter] Rabinowitz SM, et al. **Arch Ophthalmol** 1987 Feb;105(2):173–4

METABOLISM

Quantitation of corneal inflammation by chemiluminescense. Chusid MJ, et al. **Arch Ophthalmol** 1986 Oct;104(10):1540–4

MICROBIOLOGY

Corneal inoculation of murine herpesvirus in mice: the absence of neural spread. Rajčáni J, et al. **Acta Virol (Praha)** 1987 Jan;31(1):25–30

Host, microbial, and pharmacological factors affecting the outcome of suppurative keratitis. Coster DJ, et al. **Br J Ophthalmol** 1987 Feb;71(2):96–101

Herpesvirus simplex in chronic human stromal keratitis. Coupes D, et al. **Curr Eye Res** 1986 Oct;5(10):735–8

Differences in development of keratomycosis after Candida inoculation in the central and peripheral cornea. Ishibashi Y, et al. **J Med Vet Mycol** 1986 Dec;24(6):437–44

Comparison of the pathogenicities of Fusarium solani and Candida albicans in the rabbit cornea. Ishibashi Y, et al. **J Med Vet Mycol** 1986 Oct;24(5):369–76

Corneal perforation caused by dysgonic fermenter-2. Kiel RJ, et al. **JAMA** 1987 Jun 19;257(23):3269–70

The pathogenicities of Cylindrocarpon tonkinense and Fusarium solani in the rabbit cornea. Ishibashi Y, et al. **Mycopathologia** 1986 Jun;94(3):145–52

The pathogenicity of Beauveria bassiana in the rabbit cornea. Ishibashi Y, et al. **Mykoses** 1987 Mar;30(3):115–26

[Tuberculous sclerokeratitis and papulonecrotic cutaneous tuberculid] Cernea P, et al. **Rev Chir [Oftalmol]** 1987 Jan-Mar;31(1):61–4 (Eng. Abstr.) **(Rum)**

OCCURRENCE

Regional hospital prevalence of viral keratitis. Khurana AK, et al. **Indian J Ophthalmol** 1984 Jul-Aug;32(4):205–8

PARASITOLOGY

Acanthamoeba keratitis. Margo CE. **Arch Pathol Lab Med** 1987 Aug;111(8):759–60

Clinical responses in human onchocerciasis: parasitological and immunological implications. Mackenzie CD, et al. **Ciba Found Symp** 1987;127:46–72 (40 ref.)

PATHOLOGY

Branhamella catarrhalis keratitis. Heidemann DG, et al. **Am J Ophthalmol** 1987 Apr 15;103(4):576–81

Immunopathology and electron microscopy of Acanthamoeba keratitis. Mathers W, et al. **Am J Ophthalmol** 1987 May 15;103(5):626–35

Chronic keratitis caused by Mycobacterium gordonae. Moore MB, et al. **Am J Ophthalmol** 1986 Oct 15;102(4):516–21

Corneal biopsy in chronic keratitis. Newton C, et al. **Arch Ophthalmol** 1987 Apr;105(4):577–8

[Neuro-paralytic keratitis in familial Portuguese amyloidosis of the Corino-Andrade type] Rasteiro A. **Bull Mem Soc Fr Ophtalmol** 1986;97:212–4 **(Fre)**

[Animal experiment model of keratomycosis] Behrens-Baumann W, et al. **Klin Monatsbl Augenheilkd** 1987 Jun;190(6):496–500 (Eng. Abstr.) **(Ger)**

[Pathogenesis of hurricane keratitis] Hoffmann F. **Klin Monatsbl Augenheilkd** 1986 Dec;189(6):442–4 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Dynamics of the retrograde transport of horseradish peroxidase in the trigeminal nerve during burn keratitis] Nikol'skiĭ VS. **Biull Eksp Biol Med** 1987 Apr; 103(4):399–400 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Use cf a dental mirror for postoperative eyelid examination [letter] Weinstein GS. **Arch Ophthalmol** 1987 Jun;105(6):747

Neuroparalytic keratitis and the effect of cervical sympathectomy following operative procedures for trigeminal neuralgia. Adams GG, et al. **Scott Med J** 1987 Jun;32(3):86–8

[Prevention and treatment of traumatic keratitis] Starkov GL. **Oftalmol Zh** 1986;(6):379–80 **(Rus)**

SURGERY

[Partial perforating keratoplasty in eyes with endoepithelial dystrophy] Radian AB, et al. **Rev Chir [Oftalmol]** 1987 Apr-Jun;31(2):123–5 (Eng. Abstr.) **(Rum)**

THERAPY

Pseudomonas corneoscleritis. Alfonso E, et al. **Am J Ophthalmol** 1987 Jan 15;103(1):90–8

[Inflammations of the cornea (keratitis dendritica, pseudomonas keratitis, endotheliitis)] Sundmacher R. **Fortschr Ophthalmol** 1987;84(1):15–21 (Eng. Abstr.) **(Ger)**

[Bandage lenses in neuroparalytic keratitis] Annen D. **Klin Monatsbl Augenheilkd** 1986 Jul;189(1):46–7 (Eng. Abstr.) **(Ger)**

[Use of interferon in tuberculous eye diseases] Kugleev AA, et al. **Tr Inst Pastera** 1985;62:126–7 **(Rus)**

VETERINARY

Immunohistochemical staining patterns of canine eyes affected with chronic superficial keratitis. Eichenbaum JD, et al. **Am J Vet Res** 1986 Sep;47(9):1952–5

Nodular granulomatous episclerokeratitis in dogs: 19 cases (1973–1985). Paulsen ME, et al. **J Am Vet Med Assoc** 1987 Jun 15;190(12):1581–7

KERATITIS, DENDRITIC

International Conference on Herpetic Eye Diseases. North Lake Tahoe, California, USA, September 6–8, 1986. Proceedings. **Curr Eye Res** 1987 Jan;6(1):1–286

Virus-specific DTH prevents contralateral retinitis following intracameral inoculation of HSV-2. Atherton SS, et al. **Curr Eye Res** 1987 Jan;6(1):133–9

Histopathologic characteristics of two forms of experimental herpes simplex virus retinitis. Dix RD, et al. **Curr Eye Res** 1987 Jan;6(1):47–52

Protective effect of passive immunization on herpetic retinitis of newborn rabbits. Friedlaender RP, et al. **Curr Eye Res** 1987 Jan;6(1):161–6

A critical role for ACAID in the distinctive pattern of retinitis that follows anterior chamber inoculation of HSV-1. Streilein JW, et al. **Curr Eye Res** 1987 Jan; 6(1):127–31

An immunogenetic analysis of resistance to herpes simplex virus retinitis in inbred strains of mice. Pepose JS, et al. **Invest Ophthalmol Vis Sci** 1987 Sep;28(9):1549–52

CHEMICALLY INDUCED

[Experimental tyrosine keratopathy in rabbits] Weber U, et al. **Klin Monatsbl Augenheilkd** 1986 Jun;188(6):587–9 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Nonhealing corneal defects due to herpes simplex in children. Lapointe ML, et al. **Can J Ophthalmol** 1987 Jun;22(4):237–9

Adenosine deaminase in herpes simplex virus induced corneal stromal disease. O'Brien WJ, et al. **Curr Eye Res** 1987 Jan; 6(1):13–8

A microscopic study of herpes simplex virus retinopathy in mice. Holland GN, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1181–90

Herpes simplex keratitis and amblyopia. Beneish RG, et al. **J Pediatr Ophthalmol Strabismus** 1987 Mar-Apr;24(2):94–6

Herpetic canalicular obstruction. Harley RD, et al. **Ophthalmic Surg** 1987 May;18(5):367–70

Pseudomelanoma of the iris in herpes simplex keratoiritis. Gupta K, et al. **Ophthalmology** 1986 Dec;93(12):1524–7

[Mixed viral and bacterial infection of the eyes caused by Herpes virus hominis and Pseudomonas aeruginosa] Malkhanov VB, et al. **Oftalmol Zh** 1986;(4):249–50 **(Rus)**

DIAGNOSIS

Type 2 herpes simplex virus infections. Oh JO. **Yonsei Med J** 1986;27(1):1–6

[Immunoenzyme staining method in the diagnosis of herpes simplex keratitis] Zhang XN. **Chung Hua Yen Ko Tsa Chih** 1987 Mar;23(2):98–100 (Eng. Abstr.) **(Chi)**

[Determination of herpes antibodies in the aqueous humor by the ELISA method in the diagnosis of stromal keratitis] Lagoutte F, et al. **Bull Mem Soc Fr Ophtalmol** 1986; 97:218–20 **(Fre)**

[Labial herpes and herpetic uveitis] Nicu C. **Rev Chir [Oftalmol]** 1986 Jul-Sep;30(3):217–20 (Eng. Abstr.) **(Rum)**

[Immunomorphological methods of studying blood smears in the diagnosis of ophthalmic herpes] Belkina IV, et al. **Vopr Virusol** 1986 Sep-Oct;31(5):632–4 **(Rus)**

DRUG THERAPY

2'-Nor-2'-deoxyguanosine is an effective therapeutic agent for treatment of experimental herpes keratitis. Davies ME, et al. **Antiviral Res** 1987 Feb;7(2):119–25

Effects of acyclovir therapy during simultaneous reactivation of latent HSV-1 in rabbits. Demangone M, et al. **Antiviral Res** 1987 May;7(4):237–43

Rational acyclovir therapy in herpetic eye disease. Falcon MG. **Br J Ophthalmol** 1987 Feb;71(2):102–6 (50 ref.)

The enigma of herpes stromal disease. McGill J. **Br J Ophthalmol** 1987 Feb;71(2):118–25

A double-blind comparative trial of acyclovir and adenine arabinoside in combination with dilute betamethasone in the management of herpetic disciform keratitis. Collum LM, et al. **Curr Eye Res** 1987 Jan;6(1):221–4

HSV1 strain sensitivity in experimental rabbit keratitis: evolution under repeated topical IDU administrations. Denis J, et al. **Curr Eye Res** 1987 Jan;6(1):39–45

2'-nor-cGMP, a new cyclic derivative of 2'NDG, inhibits HSV-1 replication in vitro and in the mouse keratitis model. Gordon YJ, et al. **Curr Eye Res** 1987 Jan;6(1):247–53

Acyclovir (Zovirax) ophthalmic ointment: a review of clinical tolerance. Grant DM. **Curr Eye Res** 1987 Jan; 6(1):231–5 (38 ref.)

Use of recombinant interferon in HSV-1 recurrence in the rabbit. Matli M, et al. **Curr Eye Res** 1987 Jan;6(1):265–8

Side effects in the treatment of herpetic keratitis. Naito T, et al. **Curr Eye Res** 1987 Jan;6(1):237–9

Therapy with 9-beta-D-arabinofuranosyladenine (ARA-A) and 2'-deoxycoformycin increases the ARA-A content of ocular tissues. O'Brien WJ. **Curr Eye Res** 1986 Aug; 5(8):595–9

The potency of interferon-alpha 2 and interferon-gamma in a combination therapy of dendritic keratitis. A controlled clinical study. Sundmacher R, et al. **Curr Eye Res** 1987 Jan;6(1):273–6

Clinical aspects of herpetic eye diseases. Sundmacher R. **Curr Eye Res** 1987 Jan;6(1):183–8

Reevaluation of human alpha interferons against herpesvirus infection of the rabbit eye. Trousdale MD, et al. **Curr Eye Res** 1987 Jan;6(1):269–72

Therapy of ocular herpes simplex infections. Eggleston M. **Infect Control** 1987 Jul;8(7):294–6 (18 ref.)

Timolol induces HSV-1 ocular shedding in the latently infected rabbit. Hill JM, et al. **Invest Ophthalmol Vis Sci** 1987 Mar;28(3):585–90

Ocular penetration and efficacy of chloroethyldeoxyuridine against herpetic keratouveitis. Maudgal PC, et al. **Invest Ophthalmol Vis Sci** 1986 Oct;27(10):1453–8

[The efficacy of tai-ding-an on experimental herpetic keratitis in rabbits] Chen ZJ, et al. **Yao Hsueh Hsueh Pao** 1986 Dec;21(12):928–30 (Eng. Abstr.) **(Chi)**

[Acyclovir management of herpes simplex infections in the eye (letter)] Grant DM, et al. **Duodecim** 1987;103(5):296–8 **(Fin)**

[Current treatment of herpes simplex-caused viral corneal infection] Kaufman HE. **Duodecim** 1986;102(18):1272–7 **(Fin)**

[Acyclovir versus trifluorothymidine in the therapy of stromal herpes keratitis] Behrens-Baumann W, et al. **Klin Monatsbl Augenheilkd** 1986 Oct;189(4):286–8 (Eng. Abstr.) **(Ger)**

[Allergic contact eczema caused by trifluorothymidine] Gailhofer G, et al. **Wien Klin Wochenschr** 1987 Mar 20; 99(6):192–4 (Eng. Abstr.) **(Ger)**

[Clinical studies of the therapeutic effectiveness of the preparation Isoprinosine in herpetic keratitis] Prost M, et al. **Klin Oczna** 1986 Aug;88(8):276–7 (Eng. Abstr.) **(Pol)**

[Efficacy of the Soviet-produced antiviral preparation acycloguanosine (acyclovir) in experimental herpes keratitis] Malchuk IuF, et al. **Oftalmol Zh** 1986;(8):490-3 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Experimental thymidine kinase-deficient HSV-1 keratitis: therapeutic attempts. Maudgal PC, et al. **Curr Eye Res** 1987 Apr;6(4):579-84

Thymidine kinase activity of ocular herpes simplex isolates resistant to IUDR therapy. Funderburgh ML, et al. **Invest Ophthalmol Vis Sci** 1986 Oct;27(10):1546-8

[Clinical significance of tear lysozyme activity in herpes simplex keratitis] He YL. **Chung Hua Yen Ko Tsa Chih** 1986 May;22(3):171-3 (Eng. Abstr.) **(Chi)**

[Determination of tear lysozyme in herpes simplex keratitis] Wu LX. **Chung Hua Yen Ko Tsa Chih** 1987 Mar;23(2):69-71 (Eng. Abstr.) **(Chi)**

[Effect of sodium selenite on glutathione peroxidase and superoxide dismutase activity in eye tissues in herpetic keratitis] Petrovich IuA, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):405-7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Recurrent herpes simplex virus type 1 corneal epithelial lesions after radial keratotomy in the rabbit. Haruta Y, et al. **Arch Ophthalmol** 1987 May;105(5):692-4

Role of virus-infected mononuclear leukocytes in herpetic chorioretinitis of newborn rabbits. Ohashi Y, et al. **Invest Ophthalmol Vis Sci** 1986 Oct;27(10):1459-65

[Herpes, cortisone and glaucoma (apropos of a case)] Peyresblanques J, et al. **Bull Soc Ophtalmol Fr** 1986 Aug-Sep;86(8-9):1053-5 **(Fre)**

FAMILIAL & GENETIC

Tyrosinemia type II in two cases previously reported as Richner-Hanhart syndrome. Balato N, et al. **Dermatologica** 1986;173(2):66-74

IMMUNOLOGY

Passive immunization with monoclonal antibodies against herpes simplex virus glycoproteins protects mice against herpetic ocular disease. Metcalf JF, et al. **Curr Eye Res** 1987 Jan;6(1):173-7

Protective immunity against herpetic ocular disease in an outbred mouse model. Metcalf JF, et al. **Curr Eye Res** 1987 Jan;6(1):167-71

Effects of cyclosporine A on clinical and immunological parameters in herpes simplex keratitis. Meyers-Elliott RH, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1170-80

Herpes simplex-specific IgG subclass response in herpetic keratitis. McBride BW, et al. **J Med Virol** 1987 Feb; 21(2):179-89

Immunological studies on herpetic keratitis: effect of IL-2 on HSV-specific CTL. Hirakawa Y, et al. **Ophthalmologica** 1987;194(1):50-5

[Detection of type 1 and 2 herpetic antigens by immunofluorescence in patients with chronic or recurrent keratoconjunctivitis receiving therapy based on etiology] Athanasiu P, et al. **Virologie** 1986 Oct-Dec;37(4):247-52 (Eng. Abstr.) **(Fre)**

[Evaluation of lymphocyte subsets in patients with herpetic keratitis] Kita M, et al. **Nippon Ganka Gakkai Zasshi** 1987 Feb;91(2):240-5 (Eng. Abstr.) **(Jpn)**

[Immunopharmacological studies on herpetic keratitis. The effect of corticosteroids on cytotoxic T lymphocytes induced in mouse splenocytes] Suehiro T. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1714-22 (Eng. Abstr.) **(Jpn)**

METABOLISM

Effect of neuraminidase on Fc and C3b receptors on rabbit corneal cells infected with herpes simplex virus. Hatano H, et al. **Curr Eye Res** 1987 Jan;6(1):53-7

Interferon production in inbred mice during herpetic eye disease. Taylor JL, et al. **Curr Eye Res** 1987 Jan;6(1):259-64

Analysis of glycoproteins expressed by isolates of herpes simplex virus causing different forms of keratitis in man. Tullo AB, et al. **Curr Eye Res** 1987 Jan;6(1):33-8

Arachidonic acid metabolism to eicosanoids in herpes virus-infected rabbit cornea. Birkle DL, et al. **Invest Ophthalmol Vis Sci** 1986 Oct;27(10):1443-6

MICROBIOLOGY

The pathogenesis of herpetic ocular disease in the guinea pig. Wander AH, et al. **Arch Virol** 1987;95(3-4):197-209

Herpes simplex virus isolation in chronic stromal keratitis: human and laboratory studies. Easty DL, et al. **Curr Eye Res** 1987 Jan;6(1):69-74

Study of HSV-1 DNA species from trigeminal ganglia of rabbits during acute and latent infections. Green MT, et al. **Curr Eye Res** 1987 Jan;6(1):85-9

Strain specificity of spontaneous and adrenergically induced HSV-1 ocular reactivation in latently infected rabbits. Hill JM, et al. **Curr Eye Res** 1987 Jan;6(1):91-7

Ocular pathogenicity of herpes simplex virus. Hill TJ. **Curr Eye Res** 1987 Jan;6(1):1-7

Failure of intertypic recombinant constructed from HSV-1 x HSV-2 virulent parents to induce ocular pathology. Lausch RN, et al. **Curr Eye Res** 1987 Jan;6(1):27-32

Identifying HSV infected neurons after ocular inoculation. Margolis T, et al. **Curr Eye Res** 1987 Jan;6(1):119-26

Routes of viral spread in the von Szily model of herpes simplex virus retinopathy. Olson RM, et al. **Curr Eye Res** 1987 Jan;6(1):59-62

Recovery of herpes simplex virus from the corneas of experimentally infected rabbits. Cook SD, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):2013-7

Trigeminal ganglion infection by thymidine kinase-negative mutants of herpes simplex virus after in vivo complementation. Tenser RB, et al. **J Virol** 1987 Jul; 61(7):2171-4

Herpes simplex virus: recurrent and nonrecurrent strains. Centifanto-Fitzgerald Y, et al. **Proc Soc Exp Biol Med** 1987 Sep;185(4):484-92

Physical state of the latent herpes simplex virus genome in a mouse model system: evidence suggesting an episomal state. Mellerick DM, et al. **Virology** 1987 Jun;158(2):265-75

PATHOLOGY

Herpes simplex keratitis: a clinico-pathologic case report. Ghosh M, et al. **Can J Ophthalmol** 1986 Aug;21(5):175-7

The response of Langerhans cells in the cornea to herpetic keratitis. Asbell PA, et al. **Curr Eye Res** 1987 Jan; 6(1):179-82

Histopathology of herpes simplex virus keratouveitis. Teitelbaum CS, et al. **Curr Eye Res** 1987 Jan;6(1):189-94

A primate model for acute and recurrent herpetic keratitis. Varnell ED, et al. **Curr Eye Res** 1987 Jan;6(1):277-9

Bilateral primary herpes simplex keratitis in a neonate (a case report). Dhage SS. **Indian J Ophthalmol** 1985 May-Jun; 33(3):199-200

The dichotomy between herpes simplex virus type 1-induced ocular pathology and systemic immunity. Metzger EE, et al. **Invest Ophthalmol Vis Sci** 1987 Sep;28(9):1533-40

A new look at experimental herpes simplex eye disease: preliminary results of clinical disease in the NIH mouse after zosteriform spread. Claoué C. **Trans Ophthalmol Soc UK** 1986;105 (Pt 4):401-3

[The endothelium in herpes simplex keratitis] Xie LX. **Chung Hua Yen Ko Tsa Chih** 1987 May;23(3):155-7 (Eng. Abstr.) **(Chi)**

[Herpes--the "rabbit-shot"] Chassaing J. **Bull Soc Ophtalmol Fr** 1985 Dec;85(12):1361 **(Fre)**

[Pathomorphology of the eyes in generalized herpetic infection of newborn infants] Siliaeva NF. **Vestn Oftalmol** 1986 Nov-Dec;102(6):60-2 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Tear film flow and stability in herpes simplex keratitis and chronic blepharitis. Moudgil SS, et al. **Acta Ophthalmol (Copenh)** 1986 Oct;64(5):509-11

Spontaneous resolution of herpes simplex blepharoconjunctivitis in children. Simon JW, et al. **Am J Ophthalmol** 1986 Nov 15;102(5):598-600

PREVENTION & CONTROL

HSV-1 thymidine kinase negative vaccine: pathogenicity, protection, and perils. Gordon YJ, et al. **Curr Eye Res** 1987 Jan;6(1):151-9

[Influence of anti-interferon on herpetic keratitis in mice] Kuwayama W, et al. **Nippon Ganka Gakkai Zasshi** 1987 Jan;91(1):157-60 (Eng. Abstr.) **(Jpn)**

SURGERY

Blunt spatula debridement and trifluorothymidine in epithelial herpetic keratitis. Herbort CP, et al. **Curr Eye Res** 1987 Jan;6(1):225-9

THERAPY

Herpetic keratitis therapy to reduce recurrence. Shimomura Y, et al. **Curr Eye Res** 1987 Jan;6(1):105-10

Immunologic modulation of virus-induced pathology in a murine model of acute herpetic retinal necrosis. Whittum-Hudson JA, et al. **Invest Ophthalmol Vis Sci** 1987 Sep;28(9):1541-8

[Evaluation of the therapeutic effect of penetrating keratoplasty in herpes simplex keratitis] Xie LX. **Chung Hua Yen Ko Tsa Chih** 1987 Mar;23(2):65-8 (Eng. Abstr.) **(Chi)**

[Current treatment of corneal herpes simplex] Colin J. **J Fr Ophtalmol** 1986;9(10):671-8 (27 ref.) **(Fre)**

[Inflammations of the cornea (keratitis dendritica, pseudomonas keratitis, endotheliitis)] Sundmacher R. **Fortschr Ophthalmol** 1987;84(1):15-21 (Eng. Abstr.) **(Ger)**

[Complex treatment and prevention of recurrence in patients with ocular herpes] Gorgiladze TU, et al. **Oftalmol Zh** 1987;(3):157-61 (Eng. Abstr.) **(Rus)**

[Treatment of herpetic keratitis with interferon and its inducer in an experiment] Bostandzhian MG, et al. **Vestn Oftalmol** 1987 May-Jun;103(3):57-9 **(Rus)**

TRANSMISSION

[Activation of a herpetic infection via corneal transplantation] Mal'khanov VB, et al. **Vopr Virusol** 1987 Mar-Apr;32(2):234-5 (Eng. Abstr.) **(Rus)**

KERATOACANTHOMA

DIAGNOSIS

Keratoacanthoma. Stal S. **Clin Plast Surg** 1987 Apr;14(2):425

Keratoacanthomas presenting as squamous cell carcinomas [letter] Karnauchow PN. **Hum Pathol** 1987 Jan;18(1):99

Chromoblastomycosis can mimic keratoacanthoma. Wiss K, et al. **Int J Dermatol** 1986 Jul-Aug;25(6):385-6

[Spinocellular epithelioma and keratoacanthoma. Anatomicoclinical inconsistencies] Tagliana P, et al. **Rev Stomatol Chir Maxillofac** 1986;87(5):282-6 (Eng. Abstr.) **(Fre)**

[Diagnostic considerations apropos of a case of keratoacanthoma in a child] Toman J, et al. **Rev Stomatol Chir Maxillofac** 1986;87(4):247-50 (Eng. Abstr.) **(Fre)**

[Squamous keratoacanthoma] Hundeiker M. **Dtsch Med Wochenschr** 1987 Aug 28;112(35):1340-2 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Squamous cell carcinoma following fluorouracil-responsive 'keratoacanthoma' [letter] Cobb MW, et al. **Arch Dermatol** 1987 Aug;123(8):987-8

Treatment of multiple keratoacanthomas with oral isotretinoin. Shaw JC, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 2):1079-82

[Keratoacanthoma. New therapeutic possibilities] Heid E. **Ann Dermatol Venereol** 1987;114(3):407-8 **(Fre)**

FAMILIAL & GENETIC

[Familial multiple keratoacanthomas] Hilker O, et al. **Z Hautkr** 1987 Feb 15;62(4):280-9 (Eng. Abstr.) **(Ger)**

HISTORY

The man behind the eponym. John Ferguson Smith (1888-1978). Lyell A. **Am J Dermatopathol** 1986 Dec; 8(6):525-8

[Keratoacanthoma on the left cheek of Galileo Galilei] Roth W. **Hautarzt** 1986 Sep;37(9):513-5 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Human papillomavirus 25-related DNA in solitary keratoacanthoma. Gassenmaier A, et al. **Arch Dermatol Res** 1986;279(2):73-6

PATHOLOGY

Immunologic detection of markers of keratinocyte differentiation [letter] Cramer SF. **Arch Pathol Lab Med** 1987 Jun;111(6):503-4

The intraoral keratoacanthoma: a diagnostic problem. Whyte AM, et al. **Br J Oral Maxillofac Surg** 1986 Dec; 24(6):438-41

Generalized eruptive keratoacanthoma. Young SK, et al. **Oral Surg Oral Med Oral Pathol** 1986 Oct;62(4):422-6

Quantitative assessment of Langerhans cells in actinic keratosis, Bowen's disease, keratoacanthoma, squamous cell carcinoma and basal cell carcinoma. McArdle JP, et al. **Pathology** 1986 Apr;18(2):212-6

[Epidermoid carcinoma or keratoacanthoma? (letter)] Estruch R, et al. **Med Clin (Barc)** 1986 Oct 11;87(11):477 **(Spa)**

SURGERY

Keratoacanthomas treated with Mohs' micrographic surgery (chemosurgery). A review of forty-three cases. Larson PO. **J Am Acad Dermatol** 1987 May;16(5 Pt 1):1040-4

Razor blade surgery of keratoacanthoma. Johannesson A. **J Dermatol Surg Oncol** 1986 Oct;12(10):1056-7

Management of subungual keratoacanthoma. Pellegrini VD Jr, et al. **J Hand Surg [Am]** 1986 Sep;11(5):718-24

Large periocular keratoacanthoma: the case for definitive treatment. Boynton JR, et al. **Ophthalmic Surg** 1986 Sep; 17(9):565-9

"Large periocular keratoacanthoma ... " [letter] Reifler DM. **Ophthalmic Surg** 1987 Jun;18(6):469-70

[Recurrent solitary keratoacanthoma of the larynx] Sidel'man KN, et al. **Vestn Otorinolaringol** 1986 Sep-Oct;(5):77-8 **(Rus)**

KERATOCONJUNCTIVITIS

CHEMICALLY INDUCED

[Organophosphorus-induced keratoconjunctivitis] Segal N. **Rev Chir [Oftalmol]** 1986 Oct-Dec;30(4):267-70 (Eng. Abstr.) **(Rum)**

COMPLICATIONS

Attacks of dyspnoea in a patient with keratoconjunctivitis sicca. Pals H, et al. **Eur J Respir Dis** 1987 Jan;70(1):65-6

Chronic blepharitis and dry eyes. Bowman RW, et al. **Int Ophthalmol Clin** 1987 Spring;27(1):27-35

[Systemic manifestations of primary biliary cirrhosis (letter)] Villabona CM, et al. **Med Clin (Barc)** 1987 Jun 20;89(4):172 **(Spa)**

DIAGNOSIS

Non-invasive tear film break-up time: sensitivity and specificity. Mengher LS, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):441–4
Direct examination vs culture of biopsy specimens for the diagnosis of keratomycosis. Ishibashi Y, et al. **Am J Ophthalmol** 1987 May 15;103(5):636–40
The lactoferrin test for the diagnosis of keratoconjunctivitis sicca in clinical practice. Boersma HG, et al. **Ann Ophthalmol** 1987 Apr;19(4):152–4
Detection of adenovirus-specific immunoglobulin A in tears from patients with keratoconjunctivitis. Nordbø SA, et al. **Eur J Clin Microbiol** 1986 Dec;5(6):678–80
The effect of hyperosmolarity on tear mucus ferning. Rolando M, et al. **Fortschr Ophthalmol** 1986;83(6):644–6
Tear film break up time (B.U.T.) in non-contact lens wearers and contact lens wearers in normal Indian population. Chopra SK, et al. **Indian J Ophthalmol** 1985 Jul–Aug; 33(4):213–6
Clinical diagnosis of the dry eye. Whitcher JP. **Int Ophthalmol Clin** 1987 Spring;27(1):7–24
Superior limbic keratoconjunctivitis. Wilson FM 2d, et al. **Int Ophthalmol Clin** 1986 Winter;26(4):99–112
Patient history in screening for dry eye conditions. McMonnies CW, et al. **J Am Optom Assoc** 1987 Apr; 58(4):296–301
Evaluation of diagnostic tools for adult chlamydial keratoconjunctivitis. Bialasiewicz AA, et al. **Ophthalmology** 1987 May;94(5):532–7
Tear glycoprotein determinations in the diagnosis and differential diagnosis of dry eyes. Berta A, et al. **Scand J Rheumatol [Suppl]** 1986;61:228–33
Tear osmolarity variation in the dry eye. Farris RL, et al. **Trans Am Ophthalmol Soc** 1986;84:250–68
The efficiency of various laboratory methods for the diagnosis of adenovirus conjunctivitis. Koc J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Mar; 263(4):607–15
[Ocular findings in Chlamydia psittaci-induced keratoconjunctivitis in the human] Bialasiewicz AA, et al. **Fortschr Ophthalmol** 1986;83(6):629–31 (Eng. Abstr.) **(Ger)**
[Diagnostic tests in the evaluation of the tear film] Marquardt R. **Klin Monatsbl Augenheilkd** 1986 Aug;189(2):87–91 (Eng. Abstr.) **(Ger)**
[Studies on a staining test for keratoconjunctivitis sicca. II. Quantitative analysis of the fluorescein test and other clinical features in keratoconjunctivitis sicca] Iishi A. **Nippon Ganka Gakkai Zasshi** 1986 Oct;90(10):1268–73 (Eng. Abstr.) **(Jpn)**
[Creatine kinase activity in guinea pig tissues in experimental pseudotuberculosis] Krutetskaia NI, et al. **Vopr Med Khim** 1986 Jul–Aug;32(4):59–62 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Topical application of hyaluronic acid and chondroitin sulfate in the treatment of dry eyes. Limberg MB, et al. **Am J Ophthalmol** 1987 Feb 15;103(2):194–7
Treatment of superior limbic keratoconjunctivitis with topical cromolyn sodium. Confino J, et al. **Ann Ophthalmol** 1987 Apr;19(4):129–31
Evaluation of sodium cromoglycate and medrysone in the management of atopic keratoconjunctivitis: a double masked clinical study. Vajpayee RB, et al. **Aust N Z J Ophthalmol** 1986 Aug;14(3):251–3
Effect of osmolarity of artificial tear drops on relief of dry eye symptoms: BJ6 and beyond. Wright P, et al. **Br J Ophthalmol** 1987 Feb;71(2):161–4
Topical tretinoin treatment for severe dry-eye disorders. Tseng SC. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):860–6
Treatment of keratoconjunctivitis sicca with Lacrisert. Prause JU. **Scand J Rheumatol [Suppl]** 1986;61:261–3
Treatment of keratoconjunctivitis sicca with Elmiron. Prause JU, et al. **Scand J Rheumatol [Suppl]** 1986;61:259–60
[Trial treatment of viral keratoconjunctivitis] Mergier J. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1407–10 **(Fre)**

ETIOLOGY

Chlamydial infection producing keratoconjunctivitis of the corneoscleral limbus. Seedor JA, et al. **Am J Ophthalmol** 1986 Dec 15;102(6):798–800
Unrecognized ultraviolet-induced keratoconjunctivitis [letter] Betts LS, et al. **Ann Emerg Med** 1986 Nov; 15(11):1378
Keratoconjunctivitis caused by a broken high-intensity mercury-vapor lamp. Elliott B, et al. **Del Med J** 1986 Oct; 58(10):665–7
Neisseria gonorrhoeae keratoconjunctivitis. Ullman S, et al. **Ophthalmology** 1987 May;94(5):525–31
[Marginal phlyctenular keratoconjunctivitis of tuberculous origin (bovine tuberculosis)] Durquety MC, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep;86(8–9):1049–50, 1052 **(Fre)**
[Temporary keratitis sicca secondary to bilateral acute dacryoadenitis] Nesher N, et al. **Harefuah** 1986 Jun 1; 110(11):554–6 (Eng. Abstr.) **(Heb)**

IMMUNOLOGY

Immunocytological study of phlyctenular eye disease. Abu el Asrar AM, et al. **Int Ophthalmol** 1987 Feb;10(1):33–9
[Detection of type 1 and 2 herpetic antigens by immunofluorescence in patients with chronic or recurrent keratoconjunctivitis receiving therapy based on etiology] Athanasiu P, et al. **Virologie** 1986 Oct–Dec;37(4):247–52 (Eng. Abstr.) **(Fre)**

METABOLISM

Detection of mucus glycoconjugates in human conjunctiva by using the lectin-colloidal gold technique in TEM. II. A quantitative study in dry-eye patients. Versura P, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):451–5
[Reactive changes in the conjunctiva and cornea caused by continuous wear contact lenses in aphakia: analysis of tear fluidity] Treumer H, et al. **Fortschr Ophthalmol** 1986; 83(4):403–6 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

[Viral etiological study of the 1983 epidemic keratoconjunctivitis in Chengdu] Liao SH. **Chung Hua Yen Ko Tsa Chih** 1987 May;23(3):165–7 (Eng. Abstr.) **(Chi)**
[Ocular manifestations of Chlamydia infections. Clinical and therapeutic aspects] Popa DP, et al. **Rev Chir [Oftalmol]** 1987 Jan–Mar;31(1):5–7 (Eng. Abstr.) **(Rum)**

OCCURRENCE

Epidemic keratoconjunctivitis with corneal involvement (clinical observation of 375 cases). Chohan BS, et al. **Indian J Ophthalmol** 1973 Sep;21(3):121–5

PATHOLOGY

Conjunctival morphology in Sjögren's syndrome and other disorders of the anterior eye. A light and electron microscopic study based on impression cytology. Kruse FE, et al. **Scand J Rheumatol [Suppl]** 1986;61:206–14
[Scanning electron microscopy studies of the effectiveness of artificial tears] Brewitt H, et al. **Fortschr Ophthalmol** 1987;84(2):150–4 (Eng. Abstr.) **(Ger)**

SURGERY

Corneal perforation in dry eye patients. Golubović S, et al. **Fortschr Ophthalmol** 1987;84(1):33–7

THERAPY

General measures in management of the dry eye. Lemp MA. **Int Ophthalmol Clin** 1987 Spring;27(1):36–43
[Treatment of dry eye with a new gel in eyedrop form] Marquardt R. **Klin Monatsbl Augenheilkd** 1986 Jul; 189(1):51–4 (Eng. Abstr.) **(Ger)**
[Beneficial effect of the local application of plasma fibronectin and autologous serum in patients with the keratoconjunctivitis sicca of Sjögren's syndrome] Kono I, et al. **Ryumachi** 1986 Oct;26(5):339–43 (Eng. Abstr.) **(Jpn)**

TRANSMISSION

[The cat as a possible infection source for Chlamydia psittaci keratoconjunctivitis in humans] Schmeer N, et al. **Tierarztl Prax** 1987;15(2):201–4 (Eng. Abstr.) **(Ger)**

VETERINARY

Sulfonamide-associated keratoconjunctivitis sicca and corneal ulceration in a dysuric dog. Collins BK, et al. **J Am Vet Med Assoc** 1986 Oct 15;189(8):924–6
A chlamydial keratoconjunctivitis in a British sheep flock [letter] Andrews AH, et al. **Vet Rec** 1987 Mar 7; 120(10):238–9
Diagnosis and treatment of keratoconjunctivitis sicca in the dog. Barnett KC, et al. **Vet Rec** 1987 Apr 4;120(14):340–5
Keratoconjunctivitis sicca and the treatment of canine colitis [letter] Barnett KC. **Vet Rec** 1986 Oct 4;119(14):363

KERATOCONJUNCTIVITIS, INFECTIOUS

DRUG THERAPY

The release of insoluble antibiotics from collagen ocular inserts in vitro and their insertion into the conjunctival sac of cattle. Punch PI, et al. **J Vet Pharmacol Ther** 1987 Mar;10(1):37–42

ETIOLOGY

Pathogenesis of corneal lesions caused by Moraxella bovis in gnotobiotic calves. Rogers DG, et al. **Vet Pathol** 1987 Jul;24(4):287–95

MICROBIOLOGY

Pathogenicity and immunogenicity of piliated and nonpiliated phases of Moraxella bovis in calves. Jayappa HG, et al. **Am J Vet Res** 1986 Oct;47(10):2217–21
Identification of bovine carriers of Moraxella bovis by comparative cultural examinations of ocular and nasal secretions. Pugh GW Jr, et al. **Am J Vet Res** 1986 Nov; 47(11):2343–5
Infectious bovine keratoconjunctivitis: seasonal variation in cultural, biochemical and immunoreactive properties of Moraxella bovis isolated from the eyes of cattle. Lepper AW, et al. **Aust Vet J** 1987 Feb;64(2):33–9
Characterisation and quantitation of pilus antigens of Moraxella bovis by ELISA. Lepper AW, et al. **Aust Vet J** 1986 Dec;63(12):401–5
Haemagglutination by Neisseria ovis isolated from the eyes of sheep. Varga J, et al. **Zentralbl Veterinarmed [B]** 1987 Apr;34(3):211–5
[Etiology of corneal ulcers with special reference to bacterial genesis] Bialasiewicz AA, et al. **Klin Monatsbl Augenheilkd** 1987 Mar;190(3):161–6 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Infectious bovine keratoconjunctivitis: comparison of infection, signs of disease and weight gain in vaccinated versus nonvaccinated purebred Hereford heifer calves. Pugh GW Jr, et al. **Can J Vet Res** 1986 Apr;50(2):259–64

KERATOCONJUNCTIVITIS SICCA see under **KERATOCONJUNCTIVITIS**

KERATOCONJUNCTIVITIS, VERNAL see **CONJUNCTIVITIS, ALLERGIC**

KERATOCONUS

[Adaptation of keratoconus using a new formula calculated by biometric moulage] Cochet P, et al. **Bull Soc Ophtalmol Fr** 1986 Jan;86(1):55–8 **(Fre)**

COMPLICATIONS

Keratoconus with spontaneous perforation of the cornea. Lahoud S, et al. **Can J Ophthalmol** 1987 Jun;22(4):230–3

ETIOLOGY

Xeroderma pigmentosum and keratoconus. Blanksma LJ, et al. **Doc Ophthalmol** 1986 Dec 30;64(1):97–103
Doyne lecture keratoconus. Pouliquen Y. **Eye** 1987;1 (Pt 1):1–14

METABOLISM

[Presence of hyaluronic acid in subjects with keratoconus] Gheri G, et al. **Arch Ital Anat Embriol** 1986 Jul–Sep; 91(3):221–30 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Analysis of the corneal endothelium in keratoconus. Halabis JA. **Am J Optom Physiol Opt** 1987 Jan;64(1):51–3
Acquired posterior keratoconus. Williams R. **Br J Ophthalmol** 1987 Jan;71(1):16–7
A SEM-study of a keratoconus and an artificially aged human cornea. Jongebloed WL, et al. **Doc Ophthalmol** 1986 Dec 30;64(1):129–42
Anterior clear spaces in keratoconus. Shapiro MB, et al. **Ophthalmology** 1986 Oct;93(10):1316–9
[Acute keratoleptynsis] d'Hermies F, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep;86(8–9):949–51 (Eng. Abstr.) **(Fre)**
[New findings in keratoconus] Wollensak J, et al. **Fortschr Ophthalmol** 1987;84(1):28–32 (Eng. Abstr.) **(Ger)**
[The histopathology of keratoconus posticus circumscriptus] Süveges I. **Klin Monatsbl Augenheilkd** 1986 Oct; 189(4):323–5 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Personality trends in keratoconus. An analysis. Mannis MJ, et al. **Arch Ophthalmol** 1987 Jun;105(6):798–800

SURGERY

A preliminary comparative study of epikeratophakia or penetrating keratoplasty for keratoconus. McDonald MB, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 2):467
Epikeratoplasty for keratoconus. A clinicopathologic case report. Jaeger MJ, et al. **Cornea** 1987;6(2):131–9
Sterile corneal perforation after cataract surgery in keratoconus posticus circumscriptus. Angra SK, et al. **Indian J Ophthalmol** 1985 Sep–Oct;33(5):321–2
Epikeratophakia following previous refractive keratoplasty surgery: two case reports. Keates RH, et al. **J Cataract Refract Surg** 1986 Sep;12(5):536–40
[Acute iridoatrophying mydriasis. Status of the matter at the present time] Urrets-Zavalia A. **Bull Mem Soc Fr Ophtalmol** 1986;97:166–8 **(Fre)**
[Treatment of keratoconus by keratoplasty. Report on 39 operations] Annonier P, et al. **Bull Soc Ophtalmol Fr** 1986 May;86(5):665–6, 669–70 (Eng. Abstr.) **(Fre)**
[The allogeneic second set syndrome. Apropos of a case] Fayet B, et al. **Bull Soc Ophtalmol Fr** 1987 May;87(5):597–8, 603 (Eng. Abstr.) **(Fre)**

THERAPY

Another perspective on keratoconus contact lens fitting. Hom MM. **J Am Optom Assoc** 1986 Dec;57(12):886–8
[Course of keratoconus. Study of 150 cases] Gerhard JP, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:163–5 **(Fre)**
[New developments in the treatment of keratoconus]

Puchkowskaya NA, et al. **Klin Monatsbl Augenheilkd** 1986 Jul;189(1):11–4 (Eng. Abstr.) **(Ger)**

KERATOLYTIC AGENTS see under **DERMATOLOGIC AGENTS**

KERATOSIS

Acrokeratosis paraneoplastica (Bazex' syndrome). Richard M, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 2):178–83

COMPLICATIONS

The sign of Leser–Trélat in a young man. Westrom DR, et al. **Arch Dermatol** 1986 Dec;122(12):1356–7

Bloom's syndrome with porokeratosis of Mibelli and multiple cancers of the skin, lung and colon. Takemiya M, et al. **Clin Genet** 1987 Jan;31(1):35–44

Nevus comedonicus with epidermolytic hyperkeratosis. Aloi FG, et al. **Dermatologica** 1987;174(3):140–3

Leser–Trélat sign associated with leiomyosarcoma of the stomach. Horiuchi Y, et al. **Int J Dermatol** 1986 Sep; 25(7):463–4

Squamous cell carcinoma arising in porokeratosis of mibelli. James WD, et al. **Int J Dermatol** 1986 Jul–Aug;25(6):389–91

Metastatic squamous cell carcinoma in linear porokeratosis of Mibelli. Lozinski AZ, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 2):448–51

A case of acantholytic squamous cell carcinoma derived from the acantholytic type of solar keratosis. Uchiyama N, et al. **J Dermatol (Tokyo)** 1986 Oct;13(5):377–80

Common skin cancers under cutaneous horns. Beynon J, et al. **J R Coll Surg Edinb** 1987 Apr;32(2):107–9

[The Leser–Trélat sign associated with carcinoma of the cervix uteri. Report of a case and review of the literature] Kuhl IC, et al. **Med Cutan Ibero Lat Am** 1986;14(4):251–4 (Eng. Abstr.) **(Por)**

DIAGNOSIS

Papular acantholytic dyskeratosis of vulva [letter] Weedon D. **Am J Dermatopathol** 1986 Aug;8(4):363

The sign of Leser–Trélat. Holdiness MR. **Int J Dermatol** 1986 Nov;25(9):564–72 (67 ref.)

Disseminated superficial actinic porokeratosis: a condition often mistaken for actinic keratoses [letter] Shumack SP, et al. **Med J Aust** 1987 Jul 20;147(2):101–2

DRUG THERAPY

Erythrokeratodermia variabilis [letter] Jurecka W. **Arch Dermatol** 1986 Dec;122(12):1356

Topical chemotherapy of actinic keratoses of the upper extremity with tretinoin and 5-fluorouracil: a double-blind controlled study. Bercovitch L. **Br J Dermatol** 1987 Apr; 116(4):549–52

Bazex paraneoplastic acrokeratosis: a case report and response to Tigason. Wishart JM. **Br J Dermatol** 1986 Nov; 115(5):595–9

Diprosalic ointment and lotion. **Drug Ther Bull** 1986 Oct 6;24(20):79–80

Topical tretinoin in actinic keratosis and basal cell carcinoma. Peck GL. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):829–35

ETIOLOGY

Cutaneous horn arising in cutaneous leishmaniasis [letter] Srebrnik A, et al. **Arch Dermatol** 1987 Feb;123(2):168–9

Porokeratosis: immunosuppression and exposure to sunlight. Bencini PL, et al. **Br J Dermatol** 1987 Jan;116(1):113–6

Postangiomatous seborrheic keratoses [letter] Beranek JT. **Int J Dermatol** 1986 Dec;25(10):668

Nonmelanotic skin cancer and solar keratoses. The quiet 20th century epidemic. Marks R. **Int J Dermatol** 1987 May; 26(4):201–5 (39 ref.)

Punctate keratoses of palms in lichen planus. Sait MA, et al. **Int J Dermatol** 1986 Nov;25(9):592–3

A case of Leser–Trélat sign [letter] Holdiness MR. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):147–8

Hyperkeratoses of forearms and thighs associated with chronic lung disease [letter] Kaufman WH, et al. **J Am Acad Dermatol** 1987 Apr;16(4):889–90

Porokeratosis in primary biliary cirrhosis during plasmapheresis [letter] Venencie PY, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):709–10

Disseminated superficial actinic porokeratosis: appearance after suntan parlor exposure. Wiltz H, et al. **Photodermatol** 1987 Feb;4(1):47–8

[Acquired acrokeratosis and ichthyosis associated with multiple myeloma] Gaveau D, et al. **Ann Dermatol Venereol** 1986;113(9):829–32 **(Fre)**

[Uremic perforating disease (letter)] Pujol RM, et al. **Med Clin (Barc)** 1986 Oct 4;87(10):437–8 **(Spa)**

FAMILIAL & GENETIC

An attempt at classification of inherited disorders of keratinization localized mainly, not exclusively on the palms and soles. Salamon T. **Dermatol Monatsschr** 1986; 172(10):601–5

A kindred with alopecia, keratosis, pilaris, cataracts, and psoriasis. Appell ML, et al. **J Am Acad Dermatol** 1987 Jan; 16(1 Pt 1):89–95

DNA repair synthesis in fibroblast strains from patients with actinic keratosis, squamous cell carcinoma, basal cell carcinoma, or malignant melanoma after treatment with ultraviolet light, N-acetoxy-2-acetyl-aminofluorene, methyl methanesulfonate, and N-methyl-N-nitrosourea. Thielmann HW, et al. **J Cancer Res Clin Oncol** 1987; 113(2):171–86

Repair of closely opposed cyclobutyl pyrimidine dimers in UV-sensitive human diploid fibroblasts. Lam LH, et al. **Mutat Res** 1986 Sep;166(2):199–205

[Familial syndrome of variable erythrokeratodermia associated with progressive encephalopathy (letter)] Maradian MH, et al. **Arch Fr Pediatr** 1986 Aug–Sep; 43(7):535 **(Fre)**

HISTORY

The facial lesion of George Washington. Hayes H Jr, et al. **Plast Reconstr Surg** 1987 Jul;80(1):133–6

IMMUNOLOGY

[Immunohistochemical study of the distribution of blood group antigens A, B and H in tumors of the epidermis] Seki Y, et al. **Nippon Hifuka Gakkai Zasshi** 1987 May; 97(6):717–21 **(Jpn)**

MICROBIOLOGY

Characterization of a new type of human papillomavirus (HPV5 from a case of actinic keratosis. Kawashima M, et al. **Virology** 1986 Oct 30;154(2):389–94

OCCURRENCE

Non-melanoma skin cancer and solar keratoses in Australia—a review. Marks R. **Eur J Epidemiol** 1985 Dec; 1(4):319–22

Non melanoma skin cancer and solar keratoses in Australia. Marks R. **J Med Assoc Thai** 1987 Apr;70 Suppl 3:17–20

PATHOLOGY

Transformation of lymphocytoma cutis into a malignant lymphoma in association with the sign of Leser–Trélat. Halevy S, et al. **Acta Derm Venereol (Stockh)** 1987; 67(2):172–5

Punched-out porokeratosis. A histological variant of disseminated superficial actinic porokeratosis. Burge SM, et al. **Am J Dermatopathol** 1987 Jun;9(3):240–2

Papular acantholytic dyskeratosis [letter] Coppola G, et al. **Am J Dermatopathol** 1986 Aug;8(4):364–5

Papular acantholytic dyskeratosis of the penis [letter] van der Putte SC, et al. **Am J Dermatopathol** 1986 Aug; 8(4):365–6

Focal acantholytic dyskeratosis of the anal canal [letter] Warkel RL, et al. **Am J Dermatopathol** 1986 Aug;8(4):362–3

Cholesteatoma of the external auditory canal and keratosis obturans. Shire JR, et al. **Am J Otol** 1986 Sep;7(5):361–4

Structural and morphometric analysis of parakeratotic and dyskeratotic cells exfoliated from various vulvar lesions. Correlation with data from cervical cytology. Nauth HF, et al. **Anal Quant Cytol Histol** 1987 Jun;9(3):243–52

Cutaneous gerontology: solar degeneration of the skin. Giam YC. **Ann Acad Med Singapore** 1987 Jan;16(1):94–7

Hyperkeratotic papules on the hands and feet. Focal acral hyperkeratosis (FAH). Blum SL, et al. **Arch Dermatol** 1987 Sep;123(9):1225, 1228

Palmar lesions and a nonhealing ulcer of the ear in a former agricultural worker. Arsenical keratoses; invasive squamous cell carcinoma of the right ear; and bowenoid keratoses. Jampel RM, et al. **Arch Dermatol** 1987 Feb; 123(2):253, 255–6

Unilateral hyperkeratosis of the nipple: the response to cryotherapy. Vestey JP, et al. **Arch Dermatol** 1986 Dec; 122(12):1360–1

Solar keratoses and other benign tumors. Marks R. **Aust Fam Physician** 1986 Aug;15(8):1071

Histologic differentiation of mechanical and non-mechanical keratoses of the sole. Lemont H. **Clin Dermatol** 1983 Jul–Sep;1(1):44–53

Hyperkeratosis lenticularis perstans (Flegel's disease). A light and electron microscopic study of involved and uninvolved epidermis. Kanitakis J, et al. **Dermatologica** 1987; 174(2):96–101

Disseminated spiked hyperkeratosis. Nedwich JA, et al. **Int J Dermatol** 1987 Jul–Aug;26(6):358–61

Langerhans cells in the dermal infiltrate of hyperkeratosis lenticularis perstans. Okamoto H, et al. **Int J Dermatol** 1986 Dec;25(10):642–5

Inflammation of actinic keratoses from systemic chemotherapy. Johnson TM, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 1):192–7

Hyperkeratosis lenticularis perstans (Flegel's disease). Case report and literature review. Pearson LH, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 2):190–5

Melanosome macrocomplex: an ultrastructural component of patterned and nonpatterned seborrheic keratoses. Shelley WB, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):124–8

Documented evolution of a solar lentigo into a solitary lichen planus-like keratosis. Goldenhersh MA, et al. **J Cutan Pathol** 1986 Aug;13(4):308–11

Parakeratotic horns in a patient with myeloma. Kuokkanen K, et al. **J Cutan Pathol** 1987 Feb;14(1):54–8

Lamellar bodies in hyperkeratosis lenticularis perstans. Tidman MJ, et al. **J Cutan Pathol** 1987 Aug;14(4):207–11

An acantholytic variant of seborrheic keratosis. Uchiyama N, et al. **J Dermatol (Tokyo)** 1986 Jun;13(3):222–5

Automastoidectomy caused by keratosis obturans: a case report. Hawke M, et al. **J Otolaryngol** 1986 Dec; 15(6):348–50

Stereological study of desmosomes in basal cell carcinoma and seborrheic keratosis. Luzi P, et al. **J Submicrosc Cytol** 1987 Apr;19(2):337–43

Quantitative assessment of Langerhans cells in actinic keratosis, Bowen's disease, keratoacanthoma, squamous cell carcinoma and basal cell carcinoma. McArdle JP, et al. **Pathology** 1986 Apr;18(2):212–6

Seborrheic keratoses of penis. Friedman SJ, et al. **Urology** 1987 Feb;29(2):204–6

[Dermatosis papulosa nigra] Jacobi H, et al. **Dermatol Monatsschr** 1987;173(5):264–7 (Eng. Abstr.) **(Ger)**

[Idiopathic hyperkeratosis of the nipple. Apropos of a clinical case] Difonzo EM, et al. **G Ital Dermatol Venereol** 1986 Jul–Aug;121(4):273–6 (Eng. Abstr.) **(Ita)**

[Disseminated superficial actinic porokeratosis with amyloid deposition] Maruyama T, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Mar;97(4):463–70 **(Jpn)**

[A case of unilateral Mibelli's porokeratosis with transformation into squamous cell carcinoma] Rychenkov VM, et al. **Vestn Dermatol Venerol** 1987;(2):65–6 (Eng. Abstr.) **(Rus)**

SURGERY

Carbon dioxide laser in the treatment of porokeratosis [letter] Hunziker T, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):625

Skin flaps. The Burow advancement flap for closure of plantar defects. Fleetwood JR, et al. **J Am Podiatr Med Assoc** 1987 May;77(5):246–9

Shave excision of superficial solar skin lesions. Emmett AJ, et al. **Plast Reconstr Surg** 1987 Jul;80(1):47–54

THERAPY

Spontaneous remission of solar keratoses: the case for conservative management. Marks R, et al. **Br J Dermatol** 1986 Dec;115(6):649–55

VETERINARY

Inherited parakeratosis in Friesian calves [letter] Dyson DA. **Vet Rec** 1986 Dec 20–27;119(25–26):635

Inherited parakeratosis in two Friesian calves. O'Brien JK. **Vet Rec** 1986 Aug 30;119(9):206–7

Inherited parakeratosis in Friesians [letter] Savey M. **Vet Rec** 1986 Sep 27;119(13):339

KERATOSIS BLENNORRHAGICA see under **KERATOSIS**

KERATOSIS FOLLICULARIS

CHEMICALLY INDUCED

A cutaneous disorder (Darier's disease) evidently exacerbated by lithium carbonate. Clark RD Jr, et al. **Psychosomatics** 1986 Nov;27(11):800–1

CONGENITAL

[Jadassohn–Lewandowski syndrome] Chistiakova IA. **Vestn Dermatol Venerol** 1986;(10):62–4 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[A recent case of erythromelanosis follicularis faciei et colli in a female] Ingber A, et al. **Z Hautkr** 1986 Oct 1; 61(19):1409–10 (Eng. Abstr.) **(Ger)**

[Follicular dyskeratosis] Kriazheva SS, et al. **Vestn Dermatol Venerol** 1987;(2):44–8 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

The treatment of Darier's disease: an update [letter] Barron L, et al. **Int J Dermatol** 1987 Jun;26(5):334

Treatment of Darier's disease with isotretinoin: report of a case. Del Rosso JQ, et al. **J Am Osteopath Assoc** 1986 Oct; 86(10):634–8

Darier's disease: response to combination of vitamins A and E. Mohamed KN. **Singapore Med J** 1987 Feb;28(1):80–2

[Darier's disease: treatment with vitamin A and vitamin E] Patrizi A, et al. **G Ital Dermatol Venereol** 1987 Jun; 122(6):321–4 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Kyrle's disease. Cunningham SR, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):117–23

PATHOLOGY

Focal acantholytic dyskeratosis of the anal canal [letter] Warkel RL, et al. **Am J Dermatopathol** 1986 Aug;8(4):362–3

Chronic dermatosis in a young man. Darier's disease. Koh HK, et al. **Arch Dermatol** 1987 Aug;123(8):1072–3, 1075

KERATOSIS PALMARIS ET PLANTARIS

CHEMICALLY INDUCED

Arsenical dermatosis from tubewell water in West Bengal. Chakraborty AK, et al. **Indian J Med Res** 1987 Mar; 85:326–34

Porokeratosis of Mibelli in an immunosuppressed patient. Tatnall FM, et al. **J R Soc Med** 1987 Mar;80(3):180–1

COMPLICATIONS

Acanthosis palmaris in a patient with bullous pemphigoid. Razack EM, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 2):217–9

Pustulotic arthroosteitis and related disorders in children and adults. A report of 7 cases. Huaux JP, et al. **J Belge Radiol** 1986;69(5):345–54

[Genodermatosis and cataract] Badea N, et al. **Rev Chir [Oftalmol]** 1987 Apr–Jun;31(2):155–8 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

Unna–Thost–type palmoplantar keratoderma. A case report. Tomassi FJ, et al. **J Am Podiatr Med Assoc** 1987 Mar; 77(3):150–3

[Papillon–Lefèvre syndrome] Döri F, et al. **Orv Hetil** 1987 Jun 28;128(26):1360–2 (Eng. Abstr.) **(Hun)**

ETIOLOGY

Palmoplantar keratoderma in association with myxedema. Hodak E, et al. **Acta Derm Venereol (Stockh)** 1986; 66(4):354–7

Glucan–induced keratoderma in acquired immunodeficiency syndrome. Duvic M, et al. **Arch Dermatol** 1987 Jun; 123(6):751–6

FAMILIAL & GENETIC

Cardiac abnormalities in familial palmoplantar keratosis. Protonotarios N, et al. **Br Heart J** 1986 Oct;56(4):321–6

Palmoplantar keratoderma, deafness and atopy [letter] Verbov J. **Br J Dermatol** 1987 Jun;116(6):881–2

An attempt at classification of inherited disorders of keratinization localized mainly, not exclusively on the palms and soles. Salamon T. **Dermatol Monatsschr** 1986; 172(10):601–5

Tyrosinemia type II in two cases previously reported as Richner–Hanhart syndrome. Balato N, et al. **Dermatologica** 1986;173(2):66–74

Papillon–Lefevre syndrome. A report of six cases in one family. Pareek SS, et al. **Int J Dermatol** 1986 Dec; 25(10):638–41

Dominant dystrophic epidermolysis bullosa with keratosis punctata [letter] Puig L, et al. **J Am Acad Dermatol** 1986 Dec;15(6):1289–91

Clinical management of prepubertal periodontitis in 2 siblings with Papillon–Lefèvre syndrome. Preus H, et al. **J Clin Periodontol** 1987 Mar;14(3):156–60

In vitro studies of monocyte function in two siblings with Papillon–Lefèvre syndrome. Preus HR, et al. **Scand J Dent Res** 1987 Feb;95(1):59–64

[Various cutaneous and extracutaneous associations in Mljet disease (mal de Meleda)] Salamon T. **Dermatol Monatsschr** 1986;172(9):528–34 (Eng. Abstr.) **(Ger)**

[Meleda disease: clinical and therapeutic contribution] Di Donato D, et al. **G Ital Dermatol Venereol** 1986 Nov–Dec; 121(6):415–8 (Eng. Abstr.) **(Ita)**

[Keratoderma with epidermolytic hyperkeratosis] Wosicoff A, et al. **Med Cutan Ibero Lat Am** 1986;14(4):270–4 (Eng. Abstr.) **(Spa)**

METABOLISM

[Epidermal keratins and terminal epidermal keratins in palmoplantar keratosis; special emphasis of defective 70KD, 68KD, 66KD, 63KD, epidermal keratins and terminal modification in Thost–Unna type palmoplantar keratosis] Aso K, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Aug;96(9):913–9 **(Jpn)**

PATHOLOGY

Apocrine hidrocystomas of the lids, hypodontia, palmar–plantar hyperkeratosis, and onychodystrophy. A new variant of ectodermal dysplasia. Font RL, et al. **Arch Ophthalmol** 1986 Dec;104(12):1811–3

Mutilating palmo–plantar keratoderma. Singh K. **Int J Dermatol** 1986 Sep;25(7):436–9

[Clinical and morphologic peculiarities of porokeratosis palmaris et plantaris et disseminata] Tausch I, et al. **Dermatol Monatsschr** 1986;172(10):606–14 (Eng. Abstr.) **(Ger)**

[Paraneoplastic acrokeratosis (Bazex syndrome)] Thiel W, et al. **Hautarzt** 1987 May;38(5):304–7 (Eng. Abstr.) **(Ger)**

[Epidermolytic palmoplantar keratoderma] Aloi FG, et al. **G Ital Dermatol Venereol** 1987 May;122(5):257–60 (Eng. Abstr.) **(Ita)**

[Buschke–Fischer disseminated macular keratoderma] Polishchuk SI. **Vestn Dermatol Venerol** 1986;(7):64 (Eng. Abstr.) **(Rus)**

[Recessive keratosis palmoplantaris progrediens (Meleda's disease)] Camarasa JG, et al. **Med Cutan Ibero Lat Am** 1987;15(1):24–8 (Eng. Abstr.) **(Spa)**

KERATOTOMY, RADIAL

Radial keratotomy—a question of ethics? [letter] Tengroth B. **Acta Ophthalmol (Copenh)** 1987 Feb;65(1):1–2

30–year follow–up of posterior radial keratotomy. Beatty RF, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 1):330–1

An ultrastructural and histochemical study of long–term wound healing after radial keratotomy. Binder PS, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 2):432–40

Investigation of contrast sensitivity following radial keratotomy. Trick LR, et al. **Ann Ophthalmol** 1987 Jul; 19(7):251–4

The UCLA and PERK studies [letter] Hoffer KJ. **Arch Ophthalmol** 1987 May;105(5):610

Predictability of radial keratotomy [letter] Marks RG. **Arch Ophthalmol** 1987 Jun;105(6):741–2

Presumed epithelial ingrowth following radial keratotomy. Binder PS. **CLAO J** 1986 Oct–Dec;12(4):247–50

Astigmatic keratotomy procedures [editorial] Binder PS. **Cornea** 1984–85;3(4):229–30

Radial keratotomy report [letter] **J Cataract Refract Surg** 1987 May;13(3):340–1

Radial keratotomy: analysis of efficacy and predictability in 1,058 consecutive cases. Part II: Predictability. Shepard DD. **J Cataract Refract Surg** 1987 Jan;13(1):32–4

Radial keratotomy: analysis of efficacy and predictability in 1,058 consecutive cases. Part I: Efficacy. Shepard DD. **J Cataract Refract Surg** 1986 Nov;12(6):632–43

Radial keratotomy: results and discussion. Fleming JF. **J Okla State Med Assoc** 1986 Dec;79(12):903–5

Long–term study evidence accumulating, but radial keratotomy controversy continues [news] Kirn TF. **JAMA** 1987 Mar 13;257(10):1282

Focus on keratotomy results [letter] Waring GO 3d. **JAMA** 1986 Dec 26;256(24):3349–50

The use of thiphenamil hydrochloride (Trocinate) to control wound contraction after radial keratotomy. Garrett C, et al. **Ophthalmic Surg** 1987 Jun;18(6):428–31

Diurnal cycle of refraction after radial keratotomy. Wyzinski P, et al. **Ophthalmology** 1987 Feb;94(2):120–4

[Value of ketamine in anesthesia in radial keratotomy (letter)] Starkman M. **Ann Fr Anesth Reanim** 1986;5(5):558 **(Fre)**

[Statistical evaluation of keratotomy after about 1000 operations] Haverbeke L. **Bull Soc Belge Ophtalmol** 1985; 216 Pt 2:83–93 (Eng. Abstr.) **(Fre)**

[Is radial keratotomy justifiable in myopia?] Arne JL, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1193–8 **(Fre)**

[Indications and motivations of radial keratotomy for the surgical correction of myopia] Montard M, et al. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):119–21 (Eng. Abstr.) **(Fre)**

[Ultrastructural changes of the corneal endothelium in experimental radial keratotomy] Saragoussi JJ, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):245–7 **(Fre)**

[Aging changes in the corneal endothelium after anterio–posterior radial keratotomy] Gotoh T, et al. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1699–706 (Eng. Abstr.) **(Jpn)**

[Experience of the authors regarding radial keratotomy] Pop M, et al. **Rev Chir [Oftalmol]** 1987 Apr–Jun;31(2):137–41 (Eng. Abstr.) **(Rum)**

ADVERSE EFFECTS

Recurrent herpes simplex virus type 1 corneal epithelial lesions after radial keratotomy in the rabbit. Haruta Y, et al. **Arch Ophthalmol** 1987 May;105(5):692–4

Radial keratotomy [letter] Rosenberg R. **J Am Optom Assoc** 1987 Feb;58(2):86–7

Radial keratotomy postscript [letter] Werner DL. **J Am Optom Assoc** 1987 Jan;58(1):12

Morphometric analysis of corneal endothelium following radial keratotomy. Chiba K, et al. **J Cataract Refract Surg** 1987 May;13(3):263–7

Correction of hyperopia following radial keratotomy: quantification in human cadaver eyes. Lindquist TD, et al. **Ophthalmic Surg** 1987 Jun;18(6):432–7

Ptosis following radial keratotomy. Performed using a rigid eyelid speculum. Linberg JV, et al. **Ophthalmology** 1986 Dec;93(12):1509–12

INSTRUMENTATION

A consecutive series (1982–1985) of radial keratotomies performed with the diamond blade. Deitz MR, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 2):417–22

METHODS

Effects of peripheral redeepening on radial keratotomy surgery. Grandon SC, et al. **J Cataract Refract Surg** 1987 May;13(3):268–73

Graded nonintersecting transverse incisions for correction of idiopathic astigmatism. Thornton SP, et al. **J Cataract Refract Surg** 1987 Jan;13(1):27–31

PSYCHOLOGY

Why are refractive surgeons still wearing glasses? Wyzinski P. **Ophthalmic Surg** 1987 May;18(5):349–51

STANDARDS

Repeated radial keratotomy in the prospective evaluation of radial keratotomy study. Cowden JW, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 2):423–31

Color vision and contrast sensitivity testing after radial keratotomy. McDonald MB, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 2):468

Visual, refractive, and keratometric results of radial keratotomy. A two–year follow–up. Arrowsmith PN, et al. **Arch Ophthalmol** 1987 Jan;105(1):76–80

Radial keratotomy in the United States. Where are we six years later? Binder PS. **Arch Ophthalmol** 1987 Jan; 105(1):37–9

Factors affecting outcome and predictability of radial keratotomy in the PERK Study. Lynn MJ, et al. **Arch Ophthalmol** 1987 Jan;105(1):42–51

Relationship between refractive error and visual acuity in the Prospective Evaluation of Radial Keratotomy (PERK) Study. Santos VR, et al. **Arch Ophthalmol** 1987 Jan; 105(1):86–92

Three–year results of radial keratotomy. Sawelson H, et al. **Arch Ophthalmol** 1987 Jan;105(1):81–5

KERNICTERUS

METABOLISM

Neonatal bilirubin toxicity. A review of kernicterus and the implications of drug–induced bilirubin displacement. Walker PC. **Clin Pharmacokinet** 1987 Jul;13(1):26–50 (150 ref.)

PREVENTION & CONTROL

Kernicterus research and the basic sciences: a prospect for future development [editorial] Stern L, et al. **Pediatrics** 1987 Jan;79(1):154–6

KEROSINE see under **PETROLEUM**

KETAMINE

Glycopyrrolate compared with atropine in association with ketamine anaesthesia. Toft P, et al. **Acta Anaesthesiol Scand** 1987 Jul;31(5):438–40

Detomidine/ketamine anaesthesia in the horse. Clarke KW, et al. **Acta Vet Scand [Suppl]** 1986;82:167–79

Painless peds procedures. Forlini J, et al. **Am J Nurs** 1987 Mar;87(3):321–3

Changes in anterior fontanel pressure in preterm neonates receiving isoflurane, halothane, fentanyl, or ketamine. Friesen RH, et al. **Anesth Analg** 1987 May;66(5):431–4

The use of ketamine for the emergency intubation of patients with status asthmaticus. L'Hommedieu CS, et al. **Ann Emerg Med** 1987 May;16(5):568–71

Ketamine induction for a patient with hyperinsulinism treated with oral diazoxide [letter] Yamashita M, et al. **Can Anaesth Soc J** 1986 Sep;33(5):685–6

Induction of anaesthesia with ketamine during an acute crisis of hereditary coproporphyria. Capouet V, et al. **Can J Anaesth** 1987 Jul;34(4):388–90

Low dose ketamine infusion & stress response. Oberoi GS, et al. **Indian J Med Res** 1987 Feb;85:188–92

Partial forced expiratory flow–volume curves in young children during ketamine anesthesia. Shulman DL, et al. **J Appl Physiol** 1987 Jul;63(1):44–50

Behavioral dependence upon phencyclidine and ketamine in the rat. Beardsley PM, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):203–11

Ketamine and xylazine anesthesia of the deer mouse. Silverman J, et al. **Lab Anim Sci** 1986 Oct;36(5):539–40

Flunitrazepam and ketamine anesthesia in plastic surgery. Badran I, et al. **Middle East J Anesthesiol** 1987 Jun; 9(2):207–12

Dissociative anaesthesia for coronary artery bypass surgery using ketamine and midazolam. A case report. Edge KR, et al. **S Afr Med J** 1986 Nov 8;70(10):624–5

Ketamine: parenteral anaesthesia for tonsillectomy. Odetoyinbo O. **Trop Doct** 1987 Jan;17(1):21–2

A clinical trial of three anaesthetic regimens for the castration of ponies. Watkins SB, et al. **Vet Rec** 1987 Mar 21; 120(12):274–6

Xylazine and ketamine anaesthesia in the dromedary camel under field conditions. White RJ, et al. **Vet Rec** 1987 Jan 31;120(5):110–3

[Ambulatory anesthesia and induced abortion. Comparative study of propofol–alfentanyl and ketamine–midazolam combinations] Bonnardot JP, et al. **Ann Fr Anesth Reanim** 1987;6(4):297–300 (Eng. Abstr.) **(Fre)**

[Comparative trial of propofol and ketamine in anesthesia for the baths of severely burnt patients] Galizia JP, et al. **Ann Fr Anesth Reanim** 1987;6(4):320–3 (Eng. Abstr.) **(Fre)**

[Ketamine–diazepam–nefopam for uterine aspiration–curettage] Vo Van JM, et al. **Cah Anesthesiol** 1986 Aug–Sep;34(5):403–5 **(Fre)**

[Ketamine/flunitrazepam—an alternative intravenous anesthesia] Jeretin S, et al. **Anaesthesist** 1986 Oct; 35(10):616–22 (Eng. Abstr.) **(Ger)**

[Use of ketamine anesthesia in experimental animal investigations] Estel S, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(5):309–12

(Eng. Abstr.) (Ger)

[Induction of general anesthesia with ketamine for short surgical interventions in pediatric patients with chronic hepatic pathologies] Portaleone D, et al. **Pediatr Med Chir** 1986 Mar-Apr;8(2):281-4 (Eng. Abstr.) (Ita)

[Comparison of the hemodynamic effects of diazepam-morphine-ketamine micro drip infusion and high-dose fentanyl anesthesia in patients undergoing cardiovascular surgery] Shiraishi Y, et al. **Masui** 1986 Dec; 35(12):1811-5 (Eng. Abstr.) (Jpn)

[Experimental epidural analgesia with ketamine] Sachkov VI, et al. **Anesteziol Reanimatol** 1986 Jul-Aug;(4):7-12 (Eng. Abstr.) (Rus)

[Combined ketamine anesthesia in association with brachial plexus block and maintenance of spontaneous respiration in children] Svetlov VA, et al. **Anesteziol Reanimatol** 1986 Jul-Aug;(4):59-61 (Eng. Abstr.) (Rus)

[Correction of the mental status during ketamine anesthesia] Vorob'ev AA, et al. **Vestn Khir** 1987 Mar;138(3):105-6 (Eng. Abstr.) (Rus)

[Anesthesia for radiotherapy in pediatrics (letter)] Castaño J, et al. **Rev Esp Anestesiol Reanim** 1987 Mar-Apr; 34(2):159-60 (Spa)

[Ketamine as an induction and maintenance agent for cesarean section] Tomás Pérez VJ, et al. **Rev Esp Anestesiol Reanim** 1986 Jul-Aug;33(4):238-41 (Eng. Abstr.) (Spa)

ADMINISTRATION & DOSAGE

Long-term ketamine infusion [letter] Shetty GK, et al. **Anaesthesia** 1986 Dec;41(12):1262-3

Ketamine by continuous infusion in status asthmaticus. Strube PJ, et al. **Anaesthesia** 1986 Oct;41(10):1017-9

Epidural ketamine for postoperative pain relief after gynecologic operations: a double-blind study and comparison with epidural morphine. Kawana Y, et al. **Anesth Analg** 1987 Aug;66(8):735-8

[Effects of physostigmine on the loss of consciousness induced by i.v. thiopentone and ketamine in man] Wong CS, et al. **Ma Tsui Hsueh Tsa Chi** 1985 Jun;23(2):49-53 (Eng. Abstr.) (Chi)

[Midazolam and diazepam in ketamine anesthesia] Toft P, et al. **Ugeskr Laeger** 1987 Apr 6;149(15):972-3 (Eng. Abstr.) (Dan)

[Value of ketamine in anesthesia in radial keratotomy (letter)] Starkman M. **Ann Fr Anesth Reanim** 1986;5(5):558 (Fre)

[Anesthesia with oral ketamine] Amiot JF, et al. **Cah Anesthesiol** 1987 May-Jun;35(3):203-5 (Eng. Abstr.) (Fre)

[468 cases of ketamine administration. Retrospective analysis] D'Eramo C, et al. **Minerva Anestesiol** 1986 Dec; 52(12):441-6 (Eng. Abstr.) (Ita)

[Analgesia with subclinical doses of ketamine in childbirth] Ionescu C, et al. **Rev Chir [Chir]** 1987 Jan-Feb;36(1):67-9 (Eng. Abstr.) (Rum)

ADVERSE EFFECTS

Sudden diabetes insipidus induced by ketamine infusion. Sakai T, et al. **Agressologie** 1986 May;27(6):499-500

Anaesthesia and monitoring for paediatric radiotherapy [letter] **J R Soc Med** 1987 Mar;80(3):192-4

[Spasm and asphyxia occurring after ketamine or gamma-sodium hydroxybutyrate anesthesia. Report of 2 cases] Huo LJ. **Chung Hua Hu Li Tsa Chih** 1987 Mar; 22(3):135 (Chi)

[Atypical form of malignant hyperthermia. Observation of a case caused by ketamine] Rasore-Quartino A, et al. **Pathologica** 1985 Nov-Dec;77(1052):609-17 (Eng. Abstr.) (Ita)

[Functional status of the liver in patients with morbid obesity after combined anesthesia with ketalar and neuroleptanalgesia] Borovskikh NA. **Vestn Khir** 1986 Nov; 137(11):91-4 (Eng. Abstr.) (Rus)

ANALOGS & DERIVATIVES

Pharmacokinetic and clinical evaluation of ketamine administered by i.v. and epidural routes. Pedraz JL, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Feb;25(2):77-80

Detection and identification of ketamine and its metabolites in horse urine. Sams R, et al. **J Anal Toxicol** 1987 Mar-Apr; 11(2):58-62

Comparative pharmacology in the rat of ketamine and its two principal metabolites, norketamine and (Z)-6-hydroxynorketamine. Leung LY, et al. **J Med Chem** 1986 Nov;29(11):2396-9

ANTAGONISTS & INHIBITORS

Intravenous regional anaesthesia with ketamine [letter] Verheecke G. **Anaesthesia** 1986 Sep;41(9):969-70

Tolazoline as an antagonist in free-living lions immobilised with a ketamine-xylazine combination. van Wyk TC, et al. **J S Afr Vet Assoc** 1986 Dec;57(4):221-4

Yohimbine hydrochloride reversal of ketamine hydrochloride and xylazine hydrochloride immobilization of Bengal tigers and effects on hematology and serum chemistries. Seal US, et al. **J Wildl Dis** 1987 Apr;23(2):296-300

Antagonism of xylazine hydrochloride-ketamine hydrochloride immobilization in guineafowl (Numida meleagris) by yohimbine hydrochloride. Teare JA. **J Wildl Dis** 1987 Apr;23(2):301-5

[Attempt to eliminate residual somnolence and disorientation with nivaline after anesthesia with ketalar and diazepam for minor obstetrical and gynecologic surgery] Chakalova E, et al. **Akush Ginekol (Sofiia)** 1987;26(3):28-31 (Eng. Abstr.) (Bul)

BLOOD

Pharmacokinetic and clinical evaluation of ketamine administered by i.v. and epidural routes. Pedraz JL, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Feb;25(2):77-80

METABOLISM

Urinary and biliary excretion kinetics of ketamine and its metabolites in the rabbit. Pedraz JL, et al. **Boll Chim Farm** 1986 Sep;125(9):357-61

Detection and identification of ketamine and its metabolites in horse urine. Sams R, et al. **J Anal Toxicol** 1987 Mar-Apr; 11(2):58-62

Pharmacokinetics of intravenously administered ketamine in the horse. Waterman AE, et al. **Res Vet Sci** 1987 Mar; 42(2):162-6

PHARMACODYNAMICS

Positive effects of ketamine v. metomidate anesthesia on cardiovascular function, oxygen delivery and survival. Studies with a porcine endotoxin model. Modig J. **Acta Chir Scand** 1987 Jan;153(1):7-13

Effect of ketamine on local cerebral glucose utilization in fetal sheep. Abrams RM, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):1018-23

Effects of chloral hydrate, pentobarbital, ketamine, and curare on the auditory middle latency response. Smith DI, et al. **Am J Otolaryngol** 1987 Jul-Aug;8(4):241-8

Cardiopulmonary effects of continuous intravenous infusion of guaifenesin, ketamine, and xylazine in ponies. Greene SA, et al. **Am J Vet Res** 1986 Nov;47(11):2364-7

Cardiopulmonary responses of swine to intravenous infusion of guaifenesin, ketamine, and xylazine. Thurmon JC, et al. **Am J Vet Res** 1986 Oct;47(10):2138-40

Effects of ketamine on low intensity tactile sensory input are not dependent upon a spinal site of action. Collins JG. **Anesth Analg** 1986 Nov;65(11):1123-9

Respiratory interactions of ketamine and morphine. Bourke DL, et al. **Anesthesiology** 1987 Feb;66(2):153-6

Comparative effects of halothane and ketamine on systemic arterial oxygen saturation in children with cyanotic heart disease. Greeley WJ, et al. **Anesthesiology** 1986 Dec; 65(6):666-8

Ventilatory pattern and chest wall mechanics during ketamine anesthesia in humans. Mankikian B, et al. **Anesthesiology** 1986 Nov;65(5):492-9

Noninvasive evaluation of breathing pattern and thoraco-abdominal motion following the infusion of ketamine or droperidol in humans. Morel DR, et al. **Anesthesiology** 1986 Oct;65(4):392-8

Determinants of end expiratory volume in young children during ketamine or halothane anesthesia. Shulman D, et al. **Anesthesiology** 1987 May;66(5):636-40

Differential effect of ketamine on cholinergic- and noncholinergic-induced contractions of isolated guinea-pig bronchi. Leblanc PH, et al. **Arch Int Pharmacodyn Ther** 1987 May;287(1):120-32

The anticonvulsant and behavioral effects of phencyclidine and ketamine following chronic treatment in rats. Leccese AP, et al. **Behav Brain Res** 1986 Dec;22(3):257-64

Effects of ketamine anesthesia on rat-brain membranes: fluidity changes and kinetics of acetylcholinesterase. Mazzanti L, et al. **Biochim Biophys Acta** 1986 Sep 25; 861(1):105-10

Effects of pentobarbital and ketamine on brain injury-induced anti-ischemic activity. Shimoji K, et al. **Brain Res** 1987 Apr 7;408(1-2):385-8

Ketamine protects cultured neocortical neurons from hypoxic injury. Weiss J, et al. **Brain Res** 1986 Aug 13;380(1):186-90

Lack of the effect of ketamine on some dopaminergic behaviors in rats. Morato GS, et al. **Braz J Med Biol Res** 1986;19(3):403-9

The effect of ketamine anaesthesia on the acidotic fetal lamb. Swartz J, et al. **Can J Anaesth** 1987 May;34(3 (Pt 1)):233-7

Ketamine blockade of cortical spreading depression in rats. Gorelova NA, et al. **Electroencephalogr Clin Neurophysiol** 1987 Apr;66(4):440-7

The effect of ketamine on the peripheral circulation: a possible sympathetic ganglion blocking effect. Nijboer JA, et al. **Eur J Anaesthesiol** 1986 Mar;3(2):143-51

The mechanism of action of ketamine on the myelinated nerve membrane. Arhem P, et al. **Eur J Pharmacol** 1986 Jul 31;126(3):245-51

Ketamine depression of excitatory and inhibitory cholinergic responses in Aplysia neurons. Ikemoto Y. **Eur J Pharmacol** 1986 Dec 2;132(1):97-100

Effects of ketamine on nociception and gastrointestinal motility in mice are unaffected by naloxone. Takahashi RN, et al. **Gen Pharmacol** 1987;18(2):201-3

Pentobarbital and ketamine alter the pattern of 2-deoxyglucose uptake in the central auditory system of the gerbil. Wang ZX, et al. **Hear Res** 1987;27(2):145-55

Neurobehavioural effects of ketamine. Roy RK, et al. **Indian J Exp Biol** 1986 May;24(5):292-5

Failure of ketamine to induce anesthesia in two horses. Trim CM, et al. **J Am Vet Med Assoc** 1987 Jan 15;190(2):201-2

Effects of cerebroprotective agents on cerebral blood flow and on postischemic energy metabolism in the rat brain. Bielenberg GW, et al. **J Cereb Blood Flow Metab** 1987 Aug;7(4):480-8

Comparative pharmacology in the rat of ketamine and its two principal metabolites, norketamine and (Z)-6-hydroxynorketamine. Leung LY, et al. **J Med Chem** 1986 Nov;29(11):2396-9

Cardiovascular and behavioral responses of gray wolves to ketamine-xylazine immobilization and antagonism by yohimbine. Kreeger TJ, et al. **J Wildl Dis** 1987 Jul; 23(3):463-70

Some physiological observations on ketamine hydrochloride anaesthesia in the agamid lizard. Ogunranti JO. **Lab Anim** 1987 Jul;21(3):183-7

Effects of phencyclidine and ketamine on cardiovascular activity and temperature in the squirrel monkey. Byrd LD. **Life Sci** 1987 Jul 6;41(1):7-13

Bronchodilating effects of the anesthetic ketamine in an in vitro guinea pig preparation. Vitkun SA, et al. **Lung** 1987; 165(2):101-13

Ketamine-xylazine anaesthesia blocks consolidation of ocular dominance changes in kitten visual cortex. Rauschecker JP, et al. **Nature** 1987 Mar 12-18;326(6109):183-5

Effects of ketamine on the cholecystokinin, somatostatin, substance P, and thyrotropin releasing hormone in discrete regions of rat brain. Pongdhana K, et al. **Neurochem Res** 1987 Jan;12(1):73-7

Seasonal and sex influences on ketamine-induced analgesia and catalepsy in the rat; a possible role for melatonin. Winters WD, et al. **Neuropharmacology** 1986 Oct; 25(10):1095-101

Ketamine selectively suppresses synchronized afterdischarges in immature hippocampus. Brady RJ, et al. **Neurosci Lett** 1986 Aug 29;69(2):143-9

Effects of ketamine on the in vivo toxicity of quinolinate and N-methyl-D-aspartate in the rat hippocampus. Lees GJ. **Neurosci Lett** 1987 Jul 22;78(2):180-6

Effects of phencyclidine, ketamine and MDMA on complex operant behavior in monkeys. Thompson DM, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):401-5

Effects of ketamine on the circulatory functions and body tissue oxygenation in dogs under normal and hypovolemic conditions. Chen TS, et al. **Proc Natl Sci Counc Repub China [B]** 1984 Apr;8(2):168-76

Effect of ketamine on cerebral cortical blood flow and metabolism in rabbits. Oren RE, et al. **Stroke** 1987 Mar-Apr;18(2):441-4

Cholinergic cerebral vasodilator effect of ketamine in rabbits. Reicher D, et al. **Stroke** 1987 Mar-Apr;18(2):445-9

[Propofol or ketamine in anesthesia of the very old patient. Study of the hemodynamic effects during induction] Maneglia R, et al. **Ann Fr Anesth Reanim** 1987;6(4):247-51 (Eng. Abstr.) (Fre)

[Effect of vasodilator agents on ketamine-induced changes in hemodynamic parameters. 1. Directly measured parameters] Krüger AD, et al. **Anaesthesiol Reanim** 1987; 12(1):41-51 (Eng. Abstr.) (Ger)

[The effects of ketamine anesthesia on hematological and serum biochemical values in female cynomolgus monkeys (Macaca fascicularis)] Yoshida T, et al. **Jikken Dobutsu** 1986 Oct;35(4):455-61 (Eng. Abstr.) (Jpn)

[Effect of blocking bilateral jugular venous outflow on intracranial pressure, compliance and CSF outflow resistance with thiamylal and ketamine in cats] Sakuma Y. **Masui** 1986 Oct;35(10):1473-81 (Eng. Abstr.) (Jpn)

[Multi-component ketamine-based induction anesthesia and its effect on central hemodynamics in cesarean section] Pilipenko GP. **Akush Ginekol (Mosk)** 1987 Feb;(2):15-7 (Eng. Abstr.) (Rus)

[Changes in the pituitary-adrenal system and glucose-insulin homeostasis during ketamine anesthesia in children with malignant tumors] Saltanov AI, et al. **Anesteziol Reanimatol** 1987 Jan-Feb;(1):28-30 (Eng. Abstr.) (Rus)

[Quantitative evaluation of the bioelectric activity of the brain in combined intravenous anesthesia using ketamine in heart surgery patients] Trekova NA, et al. **Anesteziol Reanimatol** 1986 Jul-Aug;(4):3-7 (Eng. Abstr.) (Rus)

[Central and peripheral hemodynamics in ketamine general anesthesia in children] Zhavoronkov VF, et al. **Anesteziol Reanimatol** 1986 Nov-Dec;(6):57-9 (Eng. Abstr.) (Rus)

[Effect of the general anesthetic ketamine on the potassium permeability of plasma membranes of brain synaptosomes] Okun' IM, et al. **Biofizika** 1986 Sep-Oct;31(5):917-8 (Eng. Abstr.) (Rus)

[Role of cholinergic and adrenergic mechanisms in the action of ketamine and thiopental sodium on the structures of the hippocampal-reticular complex and the neocortex] Mamchur VI. **Farmakol Toksikol** 1987 Jan-Feb;50(1):21-4 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Low-dose ketamine infusion for analgesia during postoperative ventilator treatment. Joachimsson PO, et al. **Acta Anaesthesiol Scand** 1986 Nov;30(8):697-702

Epidural ketamine or morphine for postoperative analgesia. Ravat F, et al. **Anesthesiology** 1987 Jun;66(6):819-22

Epidural ketamine for postoperative pain relief. Chung SK,

et al. **Ma Tsui Hsueh Tsa Chi** 1986 Dec;24(4):251–7
Ketamine protects hippocampal neurons from anoxia in vitro. Rothman SM, et al. **Neuroscience** 1987 Jun;21(3):673–8
[Intravenous analgesia with ketamine for emergency patients] Hirlinger WK, et al. **Anaesthesist** 1987 Mar;36(3):140–2 (Eng. Abstr.) **(Ger)**

TOXICITY

Local myotoxicity of ketamine hydrochloride in the marmoset. Davy CW, et al. **Lab Anim** 1987 Jan;21(1):60–7
Muscle necrosis in Syrian hamsters resulting from intramuscular injections of ketamine and xylazine. Gaertner DJ, et al. **Lab Anim Sci** 1987 Feb;37(1):80–3
Interactions of clonidine with phencyclidine and ketamine: studies of radial maze performance and righting reflex in rats. McCann DJ, et al. **Pharmacol Biochem Behav** 1987 Jan;26(1):23–8
Teratologic effects of d,l-2-(o-chlorophenyl)-2-(methylamino) cyclohexanone hydrochloride (ketamine hydrochloride) in rats. Kochhar MM, et al. **Res Commun Chem Pathol Pharmacol** 1986 Dec; 54(3):413–6
[Spinal cord toxicity of lysine acetylsalicylate and ketamine hydrochloride administered intrathecally in the rat] Amiot JF, et al. **Ann Fr Anesth Reanim** 1986;5(4):462 **(Fre)**

KETANSERIN

ADMINISTRATION & DOSAGE

Cardiopulmonary effects of ketanserin infusion in human pulmonary embolism. Huet Y, et al. **Am Rev Respir Dis** 1987 Jan;135(1):114–7
Ketanserin and guanethidine in the treatment of causalgia. Davies JA, et al. **Anesth Analg** 1987 Jun;66(6):575–6
Response to tilting in hypertensive patients receiving ketanserin [letter] Ferrara LA, et al. **Eur J Clin Pharmacol** 1986;31(4):505–6

ADVERSE EFFECTS

Central and autonomic nervous system side effects of ketanserin. Reimann IW, et al. **Arzneimittelforschung** 1986 Nov;36(11):1681–4
Combined pharmaco-EEG and pharmacopsychological study to estimate CNS effects of ketanserin in hypertensive patients. Herrmann WM, et al. **Neuropsychobiology** 1986; 16(1):47–56
QT prolongation and torsade de pointes ventricular tachycardia produced by Ketanserin. Aldariz AE, et al. **PACE** 1986 Nov;9(6 Pt 1):836–41

ANALOGS & DERIVATIVES

7-Amino-8-[125I]-ketanserin ([125I]AMIK), a highly sensitive, serotonin-S2 receptor ligand. Wouters W, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3199–202
Pharmacokinetics of ketanserin and its metabolite ketanserin-ol in man after intravenous, intramuscular and oral administration. Heykants J, et al. **Eur J Clin Pharmacol** 1986;31(3):343–50
Pharmacokinetic approach to equilibrium between ketanserin and ketanserin-ol. Van Peer A, et al. **Eur J Clin Pharmacol** 1986;31(3):339–42
Identification of the serotonin-S2 receptor ligand binding site by photoaffinity labelling with 7-azido-8-[125I]ketanserin ([125I]AZIK). Wouters W, et al. **FEBS Lett** 1987 Mar 23; 213(2):359–64

BLOOD

Pharmacokinetics of ketanserin in patients with essential hypertension. Persson B, et al. **Eur J Clin Pharmacol** 1987; 32(3):259–65
Plasma concentrations of ketanserin in chronic hemodialysed patients. Zazgornik J, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Dec;24(12):674–6

DIAGNOSTIC USE

Acute hemodynamic effects of ketanserin in pulmonary hypertension secondary to systemic sclerosis. Seibold JR, et al. **J Rheumatol** 1987 Jun;14(3):519–24

METABOLISM

Pharmacokinetics of ketanserin and its metabolite ketanserin-ol in man after intravenous, intramuscular and oral administration. Heykants J, et al. **Eur J Clin Pharmacol** 1986;31(3):343–50
Pharmacokinetic approach to equilibrium between ketanserin and ketanserin-ol. Van Peer A, et al. **Eur J Clin Pharmacol** 1986;31(3):339–42
Non-serotonergic [3H]ketanserin binding sites in striatal membranes are associated with a dopac release system on dopaminergic nerve endings. Leysen JE, et al. **Eur J Pharmacol** 1987 Feb 24;134(3):373–5
Autoradiographic localization of binding sites for 3H-serotonin and 3H-ketanserin on neurones and astrocytes of cultured rat brain stem and spinal cord. Hösli E, et al. **Exp Brain Res** 1987;65(2):486–90

PHARMACODYNAMICS

Indomethacin and ketanserin block ethchlorvynol-induced hypoxemia in dogs. Millen JE, et al. **Am J Med Sci** 1986 Nov;292(5):293–8
Effects of ketanserin on pulmonary hemodynamics, lung mechanics, and gas exchange in endotoxemic pigs. Olson NC, et al. **Am J Vet Res** 1986 Oct;47(10):2193–6
Antagonistic effect of ketanserin on vasoconstrictor responses to serotonin in isolated canine skin artery. Ito T, et al. **Arch Dermatol Res** 1987;279(3):211–2
The mechanism of the antihypertensive effects of ketanserin: a comparison with metoprolol [letter] Casiglia E, et al. **Br J Clin Pharmacol** 1986 Dec;22(6):751–2
Lack of effect of ketanserin on indices of hepatic enzyme induction. Waller PC, et al. **Br J Clin Pharmacol** 1987 Jul; 24(1):118–9
Pharmacodynamics and pharmacokinetics of single doses of ketanserin and propranolol alone and in combination in healthy volunteers. Williams FM, et al. **Br J Clin Pharmacol** 1986 Sep;22(3):301–8
Hypersensitivity of mesenteric veins to 5-hydroxytryptamine- and ketanserin-induced reduction of portal pressure in portal hypertensive rats. Cummings SA, et al. **Br J Pharmacol** 1986 Nov;89(3):501–13
Hemodynamic and neurohumoral effects of ketanserin, a 5-HT2 receptor antagonist in patients with congestive heart failure. Majid PA, et al. **Can J Cardiol** 1987 Mar; 3(2):70–4
The interactions of propranolol and ketanserin. Ochs HR, et al. **Clin Pharmacol Ther** 1987 Jan;41(1):55–60
The influence of raphe lesions, p-chlorophenylalanine, and ketanserin on the estrogen-induced afternoon prolactin surge. Pan JT, et al. **Endocrinology** 1987 May;120(5):2070–7
Mechanism of hypotensive action of ketanserin in men. Lijnen P, et al. **Eur Heart J** 1987 Mar;8(3):308–12 (25 ref.)
Ketanserin and the arterial baroreceptor reflex in normotensive subjects. Berdeaux A, et al. **Eur J Clin Pharmacol** 1987;32(1):27–33
Age-related change in serotonin-mediated prejunctional inhibition of rat vas deferens. Moritoki H, et al. **Eur J Pharmacol** 1986 Dec 2;132(1):39–46
Ketanserin and pirenperone attenuate acute morphine withdrawal in rats. Neal BS, et al. **Eur J Pharmacol** 1986 Dec 16;132(2-3):299–304
Ketanserin blocks alpha 1-adrenoceptors of porcine vascular smooth muscle cells. Nishimura J, et al. **Eur J Pharmacol** 1987 Jan 13;133(2):235–8
Neuropharmacological profile of ketanserin. Bo P, et al. **Farmaco [Sci]** 1987 Feb;42(2):91–9
Acute hemodynamic response to the S2-serotonergic receptor antagonist, ketanserin, in patients with primary pulmonary hypertension. McGoon MD, et al. **Int J Cardiol** 1987 Mar;14(3):303–9
Effects of ketanserin on the pacemaker activity and contractility in the isolated, blood-perfused dog atrium. Furukawa Y, et al. **J Cardiovasc Pharmacol** 1986 Sep-Oct; 8(5):967–72
Effects of ketanserin on hemodynamics and baroreflex effects in conscious spontaneously hypertensive rats. Smits JF, et al. **J Cardiovasc Pharmacol** 1987 Jul;10(1):1–8
Ketanserin potentiates the prejunctional inhibitory effect of 5-hydroxytryptamine on rat vas deferens. Moritoki H, et al. **J Pharm Pharmacol** 1986 Oct;38(10):737–41
Effects of the serotonin antagonists, cyproheptadine, ketanserin and mianserin, on cyclic flow reductions in stenosed canine coronary arteries. Bush LR. **J Pharmacol Exp Ther** 1987 Feb;240(2):674–82
Characterization of the central sympathoinhibitory action of ketanserin. McCall RB, et al. **J Pharmacol Exp Ther** 1987 May;241(2):736–40
Ketanserin interaction with urethral alpha-adrenoceptors [published erratum appears in J Urol 1987 May;137(5):1060] Andersson KE, et al. **J Urol** 1987 Mar;137(3):534–8
[3H]ketanserin labels 5-HT2 receptors and alpha 1-adrenoceptors in human and pig brain membranes. Hoyer D, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Mar; 335(3):226–30
Modulation of neuronal activity in the hippocampus by 5-hydroxytryptamine and 5-hydroxytryptamine1A selective drugs. Peroutka SJ, et al. **Neuropharmacology** 1987 Feb-Mar;26(2-3):139–46
Extravascular lung water and pulmonary artery pressure with acute respiratory failure—effect of ketanserin administration. Heinrichs W, et al. **Prog Clin Biol Res** 1987; 236B:153–9
S2-serotonergic receptor inhibition (ketanserin), combined with thromboxane A2/prostaglandin endoperoxide receptor blockade (BM 13.177): enhanced anti-platelet effect [letter] De Clerck F. **Thromb Haemost** 1986 Oct 21; 56(2):236
Effect of ketanserin on bleeding time: a comparison with aspirin. Fraitag B, et al. **Thromb Res** 1986 Oct 15; 44(2):261–4
Influence of ketanserin (serotonin antagonist) on bladder and urethral function. Delaere KP, et al. **Urology** 1987 Jun; 29(6):669–73
[Serotonin and cardiovascular regulation: new aspects of hypertension. Sateilite symposium of the Second European Meeting on Hypertension. Milan, 9 June 1985] **Med Klin [Suppl]** 1985;1:1–16 **(Ger)**
[The effects of ketanserin on the hemodynamic response after intracerebroventricular administration of 5-hydroxytryptamine] Hayashi H, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Oct 20;62(10):1222–9 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Ketanserin in the treatment of essential hypertension. A double-blind study against metoprolol and a further long-term open treatment. Milei J, et al. **Acta Cardiol (Brux)** 1986;41(6):427–41
Ketanserin pretreatment reverses alfentanil-induced muscle rigidity. Weinger MB, et al. **Anesthesiology** 1987 Sep; 67(3):348–54
Placebo-controlled trial of ketanserin in the treatment of intermittent claudication. Cameron HA, et al. **Angiology** 1987 Jul;38(7):549–55
Therapeutic efficacy of ketanserin, a selective antagonist of the serotonin (5-HT2) receptors, in primary and secondary Raynaud's phenomenon. Meloni F, et al. **Angiology** 1987 Jul;38(7):530–6
Double-blind comparison of ketanserin with placebo in patients with essential hypertension. Wellens D, et al. **Angiology** 1986 Nov;37(11):810–7
Cold-induced Raynaud's phenomenon ameliorated by intravenous administration of ketanserin: a double-blind cross-over study. Baart de la Faille H, et al. **Arch Dermatol Res** 1986;279(1):3–7
Comparison of ketanserin and metoprolol in the treatment of essential hypertension. Sheps SG, et al. **Arch Intern Med** 1987 Feb;147(2):291–6
Ketanserin in the treatment of traumatic vasospastic disease. Larsen VH, et al. **Br Med J [Clin Res]** 1986 Sep 13; 293(6548):650–2
Ketanserin and QTc prolongation [letter] Singh BN, et al. **Eur Heart J** 1987 Jun;8(6):667–8
Beneficial hemodynamic effects of ketanserin in patients with cirrhosis: possible role of serotonergic mechanisms in portal hypertension. Hadengue A, et al. **Hepatology** 1987 Jul-Aug; 7(4):644–7
Serotonin and haemorrheology. Dormandy JA. **Int J Cardiol** 1987 Feb;14(2):213–9
Ketanserin, a 5-HT antagonist, in symptomatic treatment of carcinoid syndrome. Sullivan PA, et al. **Ir J Med Sci** 1986 Dec;155(12):436
Effects of intravenous ketanserin on severely hypertensive patients with double-blind crossover assessment of central side-effects. Jennings AA, et al. **J Cardiovasc Pharmacol** 1987 Jan;9(1):120–4
Ketanserin in intermittent claudication: effect on walking distance, blood pressure, and cardiovascular complications. Thulesius O, et al. **J Cardiovasc Pharmacol** 1987 Jun; 9(6):728–33
Ketanserin compared to nifedipine and methyldopa in patients aged above 50 years: two international multicentre studies. For the International Study Group. Janssens M, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S115–8
Effect of ketanserin on pressor response to vasoactive substances in early phase of one-kidney, one clip renal artery stenosis in rats and rabbits. Fujie M, et al. **Jpn Circ J** 1986 Nov;50(11):1174–80
Ketanserin versus placebo in carcinoid syndrome. A clinical controlled trial. Gustafsen J, et al. **Scand J Gastroenterol** 1986 Sep;21(7):816–8
Ketanserin versus nifedipine in secondary Raynaud's phenomenon. Kirch W, et al. **Vasa** 1987;16(1):77–80
Does serotonin receptor blockade have a therapeutic effect in Raynaud's phenomenon? Brouwer RM, et al. **Vasa [Suppl]** 1987;18:64–7
[Treatment of systemic scleroderma with ketanserin. Randomized, double-blind 6-months study of 27 cases] Cadranel J, et al. **Ann Med Interne (Paris)** 1986; 137(3):260–3 (Eng. Abstr.) **(Fre)**
[Medical and surgical treatment of Raynaud's phenomenon] Van de Wal HJ. **Phlebologie** 1987 Jan-Mar;40(1):51–4 **(Fre)**
[Treatment of Raynaud's syndrome with ketanserin. Clinical, biological and hemodynamic aspects (letter)] Bellucci S, et al. **Presse Med** 1987 Jul 11-18;16(27):1335 **(Fre)**
[Hypotensive effect of ketanserin and evaluation of its alpha-blocking activity] Casiglia E, et al. **Cardiologia** 1986 Sep;31(9):709–14 (Eng. Abstr.) **(Ita)**
[Mechanism of action and use of antagonists of serotonin receptors S2, especially ketanserin, in the treatment of various diseases of the cardiovascular system] Wiecek A, et al. **Pol Tyg Lek** 1987 Mar 9;42(10):304–8 (45 ref.) **(Pol)**
[Role of ketanserin—a serotonin antagonist—in the treatment of arterial hypertension] Mungiu OC. **Rev Med Chir Soc Med Nat Iasi** 1986 Jul-Sep;90(3):559–60 **(Rum)**
[Prolonged treatment with ketanserin in essential hypertension and comparison with metoprolol] Finkielman S. **Medicina (B Aires)** 1985;45(4):447–9 **(Spa)**

KETO ACIDS

ADMINISTRATION & DOSAGE

Efficiency of substitution of 2-ketoisocaproic acid and 2-ketoisovaleric acid in the diet of normal and uremic growing rats. Laouari D, et al. **Am J Clin Nutr** 1986 Dec; 44(6):832–46
Treatment of progressive chronic renal failure. Implications for changing the composition of amino acid and ketoacid supplements. Mitch WE, et al. **Contrib Nephrol** 1987;

55:28–35 (13 ref.)

ANALYSIS

Determination of 2-keto-L-gulonic and other ketoaldonic and aldonic acids produced by ketogenic bacterial fermentation. Lazarus RA, et al. **Anal Biochem** 1986 Sep; 157(2):360–6

Quantitation of branched-chain alpha-keto acids as their N-methylquinoxalone derivatives: comparison of O- and N-alkylation versus -silylation. Fernandes AA, et al. **Biomed Environ Mass Spectrom** 1986 Oct;13(10):569–81

Profiling of oxalic acid and alpha-keto acids in blood and urine by liquid chromatography with electrochemical detection at a chemically modified electrode. Santos LM, et al. **J Chromatogr** 1987 Feb 20;414(1):161–6

BLOOD

Plasma branched-chain keto acids in burn patients. Aussel C, et al. **Am J Clin Nutr** 1986 Dec;44(6):825–31

Sex-specific differences in plasma branched-chain keto acid levels in obesity. Schauder P, et al. **Am J Clin Nutr** 1987 Jul;46(1):58–60

Enzymatic determination of the branched-chain alpha-keto acids. Goodwin GW, et al. **Anal Biochem** 1987 May 1; 162(2):536–9

Stable isotope dilution assay for branched chain alpha-hydroxy-and alpha-ketoacids: serum concentrations for normal children. Mamer OA, et al. **Biomed Environ Mass Spectrom** 1986 Oct;13(10):553–8

Derivatization of endogenous and exogenous compounds in plasma for high-performance liquid chromatographic analysis. Katrukha SP, et al. **J Chromatogr** 1986 Sep 19; 365:105–10

Respective contribution of plasma branched-chain amino acids and 2-keto acids to the hepatic metabolism of the carbon moiety of branched-chain amino acids in fed rats. Demigné C, et al. **J Nutr** 1986 Nov;116(11):2201–8

METABOLISM

alpha-Ketoisocaproate is superior to leucine in sparing glucose utilization in humans. Buckspan R, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):E648–53

Relative importance of physiological precursors for ketogenesis in the nutritional homeostasis of the development of the embryonic chick. Bate AJ, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):7–12

Investigations on the pyruvate decarboxylase catalysed oxidative decarboxylation of 2-oxoacids by 2.6-dichlorophenolindophenol. Hübner G, et al. **Biomed Biochim Acta** 1986;45(7):823–32

The effects of high intensity exercise on muscle and plasma levels of alpha-ketoisocaproic acid. Fielding RA, et al. **Eur J Appl Physiol** 1986;55(5):482–5

pH regulation of mitochondrial branch chain alpha-keto acid transport and oxidation in rat heart mitochondria. Hutson SM. **J Biol Chem** 1987 Jul 15;262(20):9629–35

In vivo metabolism of leucine and alpha-ketoisocaproate in the pig: influence of dietary glucose or sucrose. Helland SJ, et al. **J Nutr** 1986 Oct;116(10):1902–9

Leucine and alpha-ketoisocaproate metabolism and interconversions in fed and fasted sheep. Pell JM, et al. **Metabolism** 1986 Nov;35(11):1005–16

PHARMACODYNAMICS

Influence of branched-chain amino acids and branched-chain keto acids on protein synthesis in isolated hepatocytes. Base W, et al. **Hepatology** 1987 Mar–Apr;7(2):324–9

Utilization of alpha-ketoisocaproate for protein synthesis in uremic rats. Tungsanga K, et al. **Kidney Int** 1986 Dec; 30(6):891–4

Alpha-ketoacids stimulate rat renal cysteine conjugate beta-lyase activity and potentiate the cytotoxicity of S-(1,2-dichlorovinyl)-L-cysteine. Elfarra AA, et al. **Mol Pharmacol** 1987 Feb;31(2):208–12

THERAPEUTIC USE

Low-protein diet supplemented with essential amino acids and keto analogues. Effects on uremic polyneuropathy and encephalopathy. Cappelli P, et al. **Contrib Nephrol** 1986; 53:58–63

Clinical effects of a low protein diet supplemented with essential amino acids and keto analogues in uremic patients. Di Landro D, et al. **Contrib Nephrol** 1986;53:137–43

Influence of low protein diet supplemented with amino acids and keto acids on the progression of chronic renal failure. Schmicker R, et al. **Contrib Nephrol** 1986;53:121–7

Progression of chronic renal failure in patients given ketoacids following amino acids. Walser M, et al. **Kidney Int** 1987 Jul;32(1):123–8

[Effect of keto analogs of essential amino acids on the progress of advanced chronic renal insufficiency: controlled prospective study] Chauveau P, et al. **Nephrologie** 1986;7(4):137–42 (Eng. Abstr.) (Fre)

[Use of keto analogs of amino acids in chronic renal insufficiency] Laouari D, et al. **Nephrologie** 1986;7(4):133–6 (Fre)

3-KETO-5-ALPHA-STEROID DELTA-4-DEHYDROGENASE see **TESTOSTERONE 5-ALPHA-REDUCTASE**

KETO SUGARS see **KETOSES**

KETOACID-LYASES

ANALYSIS

Analysis of sialidase and N-acetylneuraminate pyruvate-lyase substrate specificity by high-performance liquid chromatography. Shukla AK, et al. **Anal Biochem** 1986 Oct;158(1):158–64

Influence of thyroid hormone deficiency on the citrate synthase activity in rat brain regions during early postnatal development. Jiménez E, et al. **Enzyme** 1987;37(4):197–201

ANTAGONISTS & INHIBITORS

Catabolite inactivation of isocitrate lyase from Saccharomyces cerevisiae. López-Boado YS, et al. **Arch Microbiol** 1987 Apr;147(3):231–4

Toxic accumulation of alpha-ketobutyrate caused by inhibition of the branched-chain amino acid biosynthetic enzyme acetolactate synthase in Salmonella typhimurium. LaRossa RA, et al. **J Bacteriol** 1987 Apr;169(4):1372–8

DEFICIENCY

Atypical presentation and neuropathological studies in 3-hydroxy-3-methylglutaryl-CoA lyase deficiency. Zoghbi HY, et al. **Ann Neurol** 1986 Sep;20(3):367–9

3-Hydroxy-3-methylglutaryl-CoA lyase deficiency. Walter JH, et al. **J Inherited Metab Dis** 1986;9(3):287–8

3-Hydroxy-3-methylglutaryl-coenzyme a lyase deficiency: a review. Wysocki SJ, et al. **J Inherited Metab Dis** 1986; 9(3):225–33

GENETICS

Molecular cloning of the structural gene for Acinetobacter citrate synthase. Donald LJ, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):797–803

Neural control of gene expression in skeletal muscle. Effects of chronic stimulation on lactate dehydrogenase isoenzymes and citrate synthase. Seedorf U, et al. **Biochem J** 1986 Oct 1;239(1):115–20

Cloning and functional expression of the Coxiella burnetii citrate synthase gene in Escherichia coli. Heinzen RA, et al. **Infect Immun** 1987 Apr;55(4):848–55

Effects of deletion and insertion mutations in the ilvM gene of Escherichia coli. Lu MF, et al. **J Bacteriol** 1987 Feb; 169(2):600–4

Isolation and characterization of Salmonella typhimurium glyoxylate shunt mutants. Wilson RB, et al. **J Bacteriol** 1987 Jul;169(7):3029–34

Nucleotide sequence of the Rickettsia prowazekii citrate synthase gene. Wood DO, et al. **J Bacteriol** 1987 Aug; 169(8):3564–72

Regulation of rat liver 3-hydroxy-3-methylglutaryl coenzyme A synthase and the chromosomal localization of the human gene. Mehrabian M, et al. **J Biol Chem** 1986 Dec 5;261(34):16249–55

Estimation of the Mr of isocitrate lyase messenger RNA from Chlorella fusca. Nicholl DS, et al. **J Gen Microbiol** 1986 May;132 (Pt 5):1423–7

Yeast LEU5 is a PET-like gene that is not essential for leucine biosynthesis. Drain P, et al. **MGG** 1986 Sep; 204(3):397–403

Saccharomyces cerevisiae contains two functional citrate synthase genes. Kim KS, et al. **Mol Cell Biol** 1986 Jun; 6(6):1936–42

Extramitochondrial citrate synthase activity in bakers' yeast. Rickey TM, et al. **Mol Cell Biol** 1986 Feb;6(2):488–93

Mitochondrial and nonmitochondrial citrate synthases in Saccharomyces cerevisiae are encoded by distinct homologous genes. Rosenkrantz M, et al. **Mol Cell Biol** 1986 Dec;6(12):4509–15

IMMUNOLOGY

A comparison of ELISA screening methods for the production of monoclonal antibodies against soluble protein antigens. Brennand DM, et al. **J Immunol Methods** 1986 Oct 23;93(1):9–14

ISOLATION & PURIFICATION

Reevaluation of citrate lyase from Escherichia coli. Quentmeier A, et al. **Biochim Biophys Acta** 1987 May 27; 913(1):60–5

Identification in Tetrahymena pyriformis of 3-hydroxy-3-methyl glutaryl coenzyme a lyase: its purification and properties. Prasanna P, et al. **Int J Biochem** 1987;19(4):385–9

METABOLISM

A method for simultaneous determination of the two possible products of acetohydroxy acid synthase. Gollop N, et al. **Anal Biochem** 1987 Feb 1;160(2):323–31

Formation of enzyme-bound carbanion intermediate in the isocitrate lyase-catalyzed reaction: enzymatic reaction of tetranitromethane with substrates and its dependence on effector, pH, and metal ions. Malhotra OP, et al. **Arch Biochem Biophys** 1986 Oct;250(1):238–48

Theoretical and experimental study on the competition of NANA-aldolase and cytidine-5'-monophosphosialate-synthase for their common substrate N-acetylneuraminic acid. Kolisis FN, et al. **Biochem Int** 1986 Sep;13(3):493–500

Comparative development of the pyruvate dehydrogenase complex and citrate synthase in rat brain mitochondria. Malloch GD, et al. **Biochem J** 1986 Sep 15;238(3):729–36

Evidence from Fourier transform infrared spectroscopy for polarization of the carbonyl of oxaloacetate in the active site of citrate synthase. Kurz LC, et al. **Biochemistry** 1987 May 5;26(9):2623–7

Sialic acid lyase in human promyelocytic leukemic cells (HL-60) during phorbol-ester-induced differentiation. Warren L. **Biochim Biophys Acta** 1986 Oct 10;888(3):278–81

Hysteretic behaviour of citrate synthase. The reaction mechanism and the exclusion of synthase being a hysteretic enzyme. Lill U, et al. **Eur J Biochem** 1987 Mar 16; 163(3):599–607

Hysteretic behaviour of citrate synthase. Symmetry in the kinetics of the synthase partial reactions. Lill U, et al. **Eur J Biochem** 1987 Feb 2;162(3):683–9

Quantitative histochemistry of late luteal phase human endometrium. Holt JP Jr, et al. **Fertil Steril** 1987 Jan; 47(1):76–81

Physiological implications of the specificity of acetohydroxy acid synthase isozymes of enteric bacteria. Barak Z, et al. **J Bacteriol** 1987 Aug;169(8):3750–6

Acetohydroxy acid synthase I is required for isoleucine and valine biosynthesis by Salmonella typhimurium LT2 during growth on acetate or long-chain fatty acids. Dailey FE, et al. **J Bacteriol** 1987 Feb;169(2):917–9

Alkylation of acetohydroxyacid synthase I from Escherichia coli K-12 by 3-bromopyruvate: evidence for a single active site catalyzing acetolactate and acetohydroxybutyrate synthesis. Silverman PM, et al. **J Bacteriol** 1987 Jun; 169(6):2494–9

The interaction of yeast citrate synthase with yeast mitochondrial inner membranes. Brent LG, et al. **J Biol Chem** 1987 Jan 5;262(1):319–25

Quantitation of the interaction between citrate synthase and malate dehydrogenase. Tompa P, et al. **J Biol Chem** 1987 May 5;262(13):6089–92

Regulation of cholesterol biosynthesis. **Nutr Rev** 1987 Mar; 45(3):92–4 (14 ref.)

[Effect of cold storage and freezing of bovine and porcine liver on activity and subcellular distribution of mitochondrial enzymes] Gottesmann P, et al. **Z Lebensm Unters Forsch** 1987 Apr;184(4):294–9 (Eng. Abstr.) (Ger)

KETOCHOLANIC ACID see **DEHYDROCHOLIC ACID**

KETOCHOLESTEROLS see under **CHOLESTEROL**

KETOCONAZOLE

ADMINISTRATION & DOSAGE

Effects of high-dose ketoconazole and dexamethasone on ACTH-stimulated adrenal steroidogenesis in orchiectomized prostatic cancer patients. De Coster R, et al. **Acta Endocrinol (Copenh)** 1987 Jun;115(2):265–71

Effects of high-dose ketoconazole treatment on adrenal mineralocorticoid biosynthesis in dogs and rats. De Coster R, et al. **Acta Endocrinol (Copenh)** 1987 Jul;115(3):423–31

High-dose ketoconazole therapy in patients with metastatic prostate cancer. Tapazoglou E, et al. **Am J Clin Oncol** 1986 Oct;9(5):369–75

Topical ketoconazole for experimental Candida keratitis in rabbits. Ishibashi Y, et al. **Am J Ophthalmol** 1986 Oct 15; 102(4):522–6

Oral ketoconazole and intraocular amphotericin B for treatment of postoperative Candida parapsilosis endophthalmitis [letter] Goodman DF, et al. **Arch Ophthalmol** 1987 Feb;105(2):172–3

Treatment of seborrhoeic dermatitis with ketoconazole: I. Response of seborrhoeic dermatitis of the scalp to topical ketoconazole. Carr MM, et al. **Br J Dermatol** 1987 Feb; 116(2):213–6

Treatment of seborrhoeic dermatitis with ketoconazole: II. Response of seborrhoeic dermatitis of the face, scalp and trunk to topical ketoconazole. Green CA, et al. **Br J Dermatol** 1987 Feb;116(2):217–21

Effects of high dose ketoconazole therapy on the main plasma testicular and adrenal steroids in previously untreated prostatic cancer patients. De Coster R, et al. **Clin Endocrinol (Oxf)** 1986 Jun;24(6):657–64

Treatment of dandruff with a 2% ketoconazole scalp gel. A double-blind placebo-controlled study. Cauwenbergh G, et al. **Int J Dermatol** 1986 Oct;25(8):541

Topical therapy of cutaneous leishmaniasis with 2% ketoconazole ointment and DMSO [letter] Dutz W, et al. **Int J Dermatol** 1987 Apr;26(3):199

Ketoconazole—theophylline interaction. Murphy E, et al. **Ir Med J** 1987 Apr;80(4):123–4

Comparative trial of a two-dosage schedule of ketoconazole 2% cream for the treatment of tinea pedis. Greer D, et al. **J Am Acad Dermatol** 1987 Jul;17(1):53–6

Influence of formulation on ketoconazole pharmacokinetics in man: comparison of standard tablet versus capsule containing citric acid [letter] Daneshmend TK, et al. **J Antimicrob Chemother** 1986 Aug;18(2):289–91

Recurrent vulvovaginal candidiasis. A prospective study of the efficacy of maintenance ketoconazole therapy. Sobel

JD. N Engl J Med 1986 Dec 4;315(23):1455–8
Ketoconazole in Tinea versicolor: is ten day therapy adequate? Giam YC, et al. Singapore Med J 1987 Feb; 28(1):13–7
Pharmacodynamics of cyclosporine–ketoconazole interaction in mice. Combined therapy potentiates cyclosporine immunosuppression and toxicity. Anderson JE, et al. Transplantation 1987 Apr;43(4):529–33

ADVERSE EFFECTS

Persistent adrenal insufficiency secondary to low-dose ketoconazole therapy. Best TR, et al. Am J Med 1987 Mar 23;82(3 Spec No):676–80
Hepatic reactions associated with ketoconazole in the United Kingdom. Lake-Bakaar G, et al. Br Med J 1987 Feb 14; 294(6569):419–22
Hypothyroidism after treatment with ketoconazole. Kitching NH. Br Med J [Clin Res] 1986 Oct 18;293(6553):993–4
Hypothyroidism after treatment with ketoconazole [letter] Tanner AR. Br Med J [Clin Res] 1987 Jan 10;294(6564):125
Ketoconazole-associated hepatic injury. A clinicopathological study of 55 cases. Stricker BH, et al. J Hepatol 1986;3(3):399–406
Hypertension during high-dose ketoconazole treatment: a probable mineralocorticosteroid effect [letter] Aabo K, et al. Lancet 1987 Sep 12;2(8559):637–8
Acute hypoadrenalism and hepatotoxicity after treatment with ketoconazole [letter] McCance DR, et al. Lancet 1987 Mar 7;1(8532):573
Ketoconazole-induced hepatitis: a case with a definite cause-effect relationship. van Parys G, et al. Liver 1987 Feb;7(1):27–30
Hepatotoxicity of ketoconazole in men and in patients under 50 [letter] N Engl J Med 1987 Jun 18;316(25):1606–7
[Adrenal cortex insufficiency caused by drugs] Lamberts SW. Ned Tijdschr Geneeskd 1987 May 23;131(21):895–7 (Dut)
[Hepatotoxicity of ketoconazole in patients with adrenal pathology (letter)] Leal-Cerro A, et al. Med Clin (Barc) 1987 Mar 28;88(12):519 (Spa)
[Ketoconazole hepatotoxicity(letter)] Navarro Villena M. Med Clin (Barc) 1986 Nov 15;87(16):694 (Spa)

ANALOGS & DERIVATIVES

Itraconazole for cryptococcal infection in the acquired immunodeficiency syndrome [letter] Viviani MA, et al. Ann Intern Med 1987 Jan;106(1):166
Adrenal response to corticotropin during therapy with itraconazole. Phillips P, et al. Antimicrob Agents Chemother 1987 Apr;31(4):647–9
Therapeutic efficacy of itraconazole in systemic candidosis in guinea pigs. Van Cutsem J, et al. Chemotherapy 1987; 33(1):52–60
Itraconazole pharmacokinetics in the female genital tract: plasma and tissue levels in patients undergoing hysterectomy after a single dose of 200 mg itraconazole. Larosa E, et al. Eur J Obstet Gynecol Reprod Biol 1986 Oct;23(1–2):85–9
The influence of food on the pharmacokinetics of itraconazole in patients with superficial fungal infection. Wishart JM. J Am Acad Dermatol 1987 Aug;17(2 Pt 1):220–3
In-vitro effect of itraconazole, ketoconazole and amphotericin B on the phagocytic and candidacidal function of human neutrophils. Johnson EM, et al. J Antimicrob Chemother 1986 Jul;18(1):83–91
Determination of itraconazole in plasma and animal tissues by high-performance liquid chromatography. Woestenborghs R, et al. J Chromatogr 1987 Jan 23; 413:332–7
Effects of ketoconazole and itraconazole on growth and sterol synthesis in Pityrosporum ovale. Marichal P, et al. J Med Vet Mycol 1986 Dec;24(6):487–9
Itraconazole treatment of experimental systemic candidiasis in male rats. Yozwiak ML, et al. J Med Vet Mycol 1987 Apr;25(2):125–6
Interaction of cyclosporin and itraconazole [letter] Kwan JT, et al. Lancet 1987 Aug 1;2(8553):282
Interaction of cyclosporin and itraconazole [letter] Shaw MA, et al. Lancet 1987 Sep 12;2(8559):637
Treatment of pityriasis versicolor with itraconazole. Faergemann J. Mykosen 1987 Jan;30(1):44–7
Experience with itraconazole in deep mycoses in northern Italy. Viviani MA, et al. Mykosen 1987 May;30(5):233–44
First International Symposium on Itraconazole. Oaxaca, Mexico, October 7–8, 1985. Proceedings. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S1–152
A clinical trial of itraconazole in the treatment of deep mycoses and leishmaniasis. Borelli D. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S57–63
Degenerative changes in fungi after itraconazole treatment. Borgers M, et al. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S33–42
Itraconazole in the treatment of vaginal candidosis and the effect of treatment of the sexual partner. Calderón-Márquez JJ. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S143–5
Itraconazole in the treatment of human mycoses: review of three years of clinical experience. Cauwenbergh G, et al. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S146–52
Itraconazole in the treatment of dermatophytoses: a comparison of two daily dosages. Degreef H, et al. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S104–8
Randomized comparative clinical trial of itraconazole and selenium sulfide shampoo for the treatment of pityriasis versicolor. del Palacio Hernanz A, et al. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S121–7
Early experience with itraconazole in vitro and in patients: pharmacokinetic studies and clinical results. Dupont B, et al. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S71–6
Itraconazole in pityriasis versicolor. Estrada RA. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S128–30
Itraconazole in pityriasis versicolor: ultrastructural changes in Malassezia furfur produced during treatment. Galimberti RL, et al. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S134–8
Initial experience in therapy for progressive mycoses with itraconazole, the first clinically studied triazole. Ganer A, et al. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S77–86
Treatment of chronic dermatophytosis and chronic oral candidosis with itraconazole. Hay RJ, et al. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S114–8
Itraconazole for deep mycoses: preliminary experience in Mexico. Lavalle P, et al. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S64–70
Pityriasis versicolor: efficacy of two five-day regimens of itraconazole. Morales-Doria M. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S131–3
Oral treatment of paracoccidioidomycosis and histoplasmosis with itraconazole in humans. Negroni R, et al. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S47–50
Itraconazole in the treatment of tinea corporis: a pilot study. Nuijten ST, et al. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S119–20
Treatment of dermatophytoses and pityriasis versicolor with itraconazole. Panconesi E, et al. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S109–13
Tolerance to and efficacy of itraconazole in treatment of systemic mycoses: preliminary results. Phillips P, et al. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S87–93
Itraconazole in the treatment of paracoccidioidomycosis: a preliminary report. Restrepo A, et al. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S51–6
Randomized comparative trial of three regimens of itraconazole for treatment of vaginal mycoses. Sanz Sanz F, et al. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S139–42
Itraconazole in the treatment of superficial mycoses: an open trial of 40 cases. Saúl A, et al. Rev Infect Dis 1987 Jan–Feb; 9 Suppl 1:S100–3
Ketoconazole vs. itraconazole for antifungal prophylaxis in patients with severe granulocytopenia: preliminary results of two nonrandomized studies. Tricot G, et al. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S94–9
Itraconazole: pharmacologic studies in animals and humans. Van Cauteren H, et al. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S43–6
Activity of orally, topically, and parenterally administered itraconazole in the treatment of superficial and deep mycoses: animal models. Van Cutsem J, et al. Rev Infect Dis 1987 Jan–Feb;9 Suppl 1:S15–32 (46 ref.)
Interaction of miconazole, ketoconazole and itraconazole with rat-liver microsomes. Lavrijsen K, et al. Xenobiotica 1987 Jan;17(1):45–57

BLOOD

Ketoconazole pharmacokinetics during chronic dosing in adults with haematological malignancy. Stockley RJ, et al. Eur J Clin Microbiol 1986 Oct;5(5):513–7
High performance liquid chromatographic determination of ketoconazole in human serum. Turner CA, et al. J Antimicrob Chemother 1986 Dec;18(6):757–63

METABOLISM

Entry of ketoconazole into Candida albicans. Boiron P, et al. Antimicrob Agents Chemother 1987 Feb;31(2):244–8
Pharmacokinetics and dose proportionality of ketoconazole in normal volunteers. Huang YC, et al. Antimicrob Agents Chemother 1986 Aug;30(2):206–10
Enhancement of ketoconazole penetration across the blood–brain barrier of mice by dimethyl sulfoxide. Iwen PC, et al. Antimicrob Agents Chemother 1986 Oct; 30(4):617–8
Experimental study of the intra-ocular penetration of ketoconazole in rabbits. Malecaze F, et al. Graefes Arch Clin Exp Ophthalmol 1987;225(3):163–5
Interaction of miconazole, ketoconazole and itraconazole with rat-liver microsomes. Lavrijsen K, et al. Xenobiotica 1987 Jan;17(1):45–57
[Retention of ketoconazole in the skin following oral treatment] Haneke E. Hautarzt 1987 Feb;38(2):93–6 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Orally administered ketoconazole rapidly appears in seminal plasma and suppresses sperm motility. Vickery BH, et al. Adv Contracept 1985 Dec;1(4):341–53
Effect of long-term administration of ketoconazole in cats. Willard MD, et al. Am J Vet Res 1986 Dec;47(12):2510–3
Ketoconazole-induced changes in selected canine hormone concentrations. Willard MD, et al. Am J Vet Res 1986 Dec;47(12):2504–9
Broth dilution testing of Candida albicans susceptibility to ketoconazole. Hughes CE, et al. Antimicrob Agents Chemother 1987 Apr;31(4):643–6
In vitro activity of ketoconazole against herpes simplex virus. Pottage JC Jr, et al. Antimicrob Agents Chemother 1986 Aug;30(2):215–9
Activity of fluconazole (UK 49,858) and ketoconazole against Candida albicans in vitro and in vivo. Rogers TE, et al. Antimicrob Agents Chemother 1986 Sep;30(3):418–22
Effect of ketoconazole on sebum excretion rate. Norris JF, et al. Arch Dermatol 1987 Mar;123(3):301
Effect of ketoconazole on cholesterol synthesis and on HMG-CoA reductase and LDL-receptor activities in Hep G2 cells. Kempen HJ, et al. Biochem Pharmacol 1987 Apr 15;36(8):1245–9
The effect of ketoconazole on adrenal and testicular steroidogenesis in vitro. Lambert A, et al. Biochem Pharmacol 1986 Nov 15;35(22):3999–4004
Inhibition of retinoic acid metabolism by imidazole antimycotics in F9 embryonal carcinoma cells. Williams JB, et al. Biochem Pharmacol 1987 Apr 15;36(8):1386–8
Effect of chronically administered ketoconazole on the elimination of theophylline in man. Heusner JJ, et al. Drug Intell Clin Pharm 1987 Jun;21(6):514–7
Ketoconazole and other imidazole derivatives as inhibitors of steroidogenesis. Feldman D. Endocr Rev 1986 Nov; 7(4):409–20 (94 ref.)
Ketoconazole as a possible universal inhibitor of cytochrome P-450 dependent enzymes: its mode of inhibition. Higashi Y, et al. Endocrinol Jpn 1987 Feb;34(1):105–15
Response of plasma adrenal steroids to synthetic ACTH under ketoconazole in man. Yamakita N, et al. Endocrinol Jpn 1987 Feb;34(1):29–35
Sensitivity testing with ketoconazole in an assay containing Candida albicans, human polymorphonuclear leukocytes and serum. Bauer TM, et al. Eur J Clin Microbiol 1986 Dec;5(6):665–8
Ketoconazole and flucytosine alone and in combination against Candida spp. in a neutropenic site in rabbits. Hughes CE, et al. J Antimicrob Chemother 1986 Jul;18(1):65–72
In-vitro effect of itraconazole, ketoconazole and amphotericin B on the phagocytic and candidacidal function of human neutrophils. Johnson EM, et al. J Antimicrob Chemother 1986 Jul;18(1):83–91
Kinetic analysis of inhibition of human adrenal steroidogenesis by ketoconazole. Couch RM, et al. J Clin Endocrinol Metab 1987 Sep;65(3):551–4
Ketoconazole-induced stimulation of gonadotropin output in men: basis for a potential test of gonadotropin reserve. Glass AR. J Clin Endocrinol Metab 1986 Nov;63(5):1121–5
Mechanism of inhibition of human testicular steroidogenesis by oral ketoconazole. Rajfer J, et al. J Clin Endocrinol Metab 1986 Nov;63(5):1193–8
Ketoconazole blocks bile acid synthesis in hepatocyte monolayer cultures and in vivo in rat by inhibiting cholesterol 7 alpha-hydroxylase. Princen HM, et al. J Clin Invest 1986 Oct;78(4):1064–71
Effect of medium composition on results of macrobroth dilution antifungal susceptibility testing of yeasts. Doern GV, et al. J Clin Microbiol 1986 Oct;24(4):507–11
Microtiter broth dilution method for yeast susceptibility testing with validation by clinical outcome. Radetsky M, et al. J Clin Microbiol 1986 Oct;24(4):600–6
Effects of ketoconazole and itraconazole on growth and sterol synthesis in Pityrosporum ovale. Marichal P, et al. J Med Vet Mycol 1986 Dec;24(6):487–9
Differential effects of the imidazole derivatives etomidate, ketoconazole and miconazole and of metyrapone on the secretion of cortisol and its precursors by human adrenocortical cells. Lamberts SW, et al. J Pharmacol Exp Ther 1987 Jan;240(1):259–64
Effect of ketoconazole on placental aromatase, 3 beta-hydroxysteroid dehydrogenase-isomerase and 17 beta-hydroxysteroid dehydrogenase. Ayub M, et al. J Steroid Biochem 1986 Dec;25(6):981–4
Fungistatic and fungicidal effects of amphotericin B, ketoconazole and fluconazole (UK 49,858) against histoplasma capsulatum in vitro and in vivo. Polak A, et al. Mykosen 1987 Apr;30(4):186–94
Ketoconazole impairs biliary excretory function in the isolated perfused rat liver. Gaeta GB, et al. Naunyn Schmiedebergs Arch Pharmacol 1987 Jun; 335(6):697–700
The effect of chronic oral ketoconazole on in vivo drug metabolism in the rat. Jiritano L, et al. Res Commun Chem Pathol Pharmacol 1986 Nov; 54(2):173–80
Inhibition of ovarian aromatase by ketoconazole. Watanabe H, et al. Res Commun Chem Pathol Pharmacol 1986 Nov; 54(2):181–9
Effect of single-dose ketoconazole on ovarian steroids. Watanabe H, et al. Res Commun Chem Pathol Pharmacol 1986 Nov;54(2):271–4
Effect of ketoconazole on the 11-hydroxylation step of adrenal steroidogenesis. Iranmanesh A, et al. South Med J 1987 Jun;80(6):725–8
Leucocyte chemotaxis to mycetoma agents—the effect of the antifungal drugs griseofulvin and ketoconazole. Yousif MA, et al. Trans R Soc Trop Med Hyg 1987;81(2):319–21
[Inhibitory effect of ketoconazole and various steroids on delta 16-C19-steroid synthesizing activity and 17 alpha-hydroxylase/lyase activity in pig testicular microsomes] Takahashi M, et al. Yakugaku Zasshi 1987 Jan;107(1):82–5 (Eng. Abstr.) (Jpn)

THERAPEUTIC USE

Immunological studies in chronic mucocutaneous candidiasis before and after ketoconazole treatment. Mobacken H, et al. **Acta Derm Venereol (Stockh)** 1987;67(3):257–60

Primary adrenocortical micronodular adenomatosis causing Cushing's syndrome. Effects of ketoconazole on steroid production and in vitro performance of adrenal cells. Oelkers W, et al. **Acta Endocrinol (Copenh)** 1986 Nov; 113(3):370–7

Ketoconazole is effective against the chronic mucocutaneous candidosis of autoimmune polyendocrinopathy–candidosis–ectodermal dystrophy (APECED). Ahonen P, et al. **Acta Med Scand** 1986; 220(4):333–9

Ketoconazole versus nystatin as prophylaxis against fungal infection for lymphoma patients receiving chemotherapy. Turhan A, et al. **Am J Clin Oncol** 1987 Aug;10(4):355–9

Miconazole and ketoconazole as a satisfactory first–line treatment for keratomycosis [letter] Ishibashi Y. **Am J Ophthalmol** 1986 Oct 15;102(4):547–8

Amphotericin B or ketoconazole therapy of fungal infections in neutropenic cancer patients. Fainstein V, et al. **Antimicrob Agents Chemother** 1987 Jan;31(1):11–5

Comparative efficacy of ketoconazole and mebendazole in experimental trichinosis. Hess JA, et al. **Antimicrob Agents Chemother** 1986 Dec;30(6):953–4

Ketoconazole in experimental vaginal candidosis in rats. Kinsman OS, et al. **Antimicrob Agents Chemother** 1986 Nov;30(5):771–3

Granuloma annulare–like skin lesion due to Fusarium roseum: therapy with ketoconazole [letter] Ooi SP, et al. **Arch Dermatol** 1987 Feb;123(2):167–8

Ketoconazole in the prevention of candidiasis in patients with cancer. A prospective, randomized, controlled, double–blind study. Hansen RM, et al. **Arch Intern Med** 1987 Apr;147(4):710–2

Ketoconazole prevents Candida sepsis in critically ill surgical patients. Slotman GJ, et al. **Arch Surg** 1987 Feb; 122(2):147–51

Treatment of chromomycosis with a combination of ketoconazole and 5–fluorocytosine. Atukorala DN, et al. **Ceylon Med J** 1985 Dec;30(4):193–5

Coccidioides immitis infections in bones and joints. Bried JM, et al. **Clin Orthop** 1986 Oct;(211):235–43

Failure of oral ketoconazole to cure cutaneous ulcers caused by Leishmania braziliensis. Dan M, et al. **Cutis** 1986 Sep; 38(3):198–9

Ketoconazole treatment of 13 patients with chronic mucocutaneous candidiasis. A prospective 3–year trial. Mobacken H, et al. **Dermatologica** 1986;173(5):229–36

Treatment of vaginal candidiasis with ketoconazole, a new, orally active, antimycotic. Bisschop MP, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Aug;9(4):253–9

Ketoconazole for prevention of fungal infections in neutropenic leukemia patients [letter] Capnist G, et al. **Haematologica (Pavia)** 1987 Mar–Apr;72(2):185

Trimethoprim/sulfamethoxazole plus ketoconazole prophylaxis in acute leukemia. Capnist G, et al. **Haematologica (Pavia)** 1987 Mar–Apr;72(2):157–61

Incidence and treatment of fungal infections in neutropenic patients. von Paleske A, et al. **Hamatol Bluttransfus** 1987; 30:545–6

Ketoconazole: a study in delayed post operative fungal endophthalmitis patients intolerant to amphotericin B. Lal B, et al. **Indian J Ophthalmol** 1985 Sep–Oct;33(5):299–302

Localized cutaneous cryptococcosis successfully treated with ketoconazole. Granier F, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 2):243–9

Topical treatment for moccasin–type tinea pedis. Greer DL. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):554–8

Double–blind comparison of 2% ketoconazole cream and placebo in the treatment of tinea versicolor. Savin RC, et al. **J Am Acad Dermatol** 1986 Sep;15(3):500–3

Simultaneous treatment with rifampin and ketoconazole [letter] Selden ST. **J Am Acad Dermatol** 1986 Dec; 15(6):1305

Pityrosporum, ketoconazole, and seborrheic dermatitis [letter] Wishner AJ, et al. **J Am Acad Dermatol** 1987 Jul; 17(1):140–1

Ketoconazole in the treatment of onychomycosis. Holub PG, et al. **J Am Podiatr Med Assoc** 1987 Jul;77(7):338–9

Use of ketoconazole in treatment of dermatophytosis in a dog. Angarano DW, et al. **J Am Vet Med Assoc** 1987 Jun 1;190(11):1433–4

Gonadotropin–independent precocious puberty ("testotoxicosis"): influence of maturational status on response to ketoconazole. Holland FJ, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):328–33

Use of ketoconazole in the treatment of Cushing's syndrome. Loli P, et al. **J Clin Endocrinol Metab** 1986 Dec; 63(6):1365–71

The endocrine effects of ketoconazole. Sonino N. **J Endocrinol Invest** 1986 Aug;9(4):341–7 (72 ref.)

Use of cyclosporine and ketoconazole without nephrotoxicity in two heart transplant recipients. Schroeder TJ, et al. **J Heart Transplant** 1987 Mar–Apr;6(2):84–9

Treatment of vaginal candidosis with oral ketoconazole. Chaisilwattana P, et al. **J Med Assoc Thai** 1986 Jul; 69(7):373–7

Treatment of chronic atrophic oral candidiasis with ketoconazole (Nizoral): a case report. Johnson JD, et al. **J Oral Med** 1986 Jul–Sep;41(3):141–4

Gonadotropin–independent isosexual precocity in a boy with tuberous sclerosis: effect of ketoconazole. Root AW, et al. **J Pediatr** 1986 Dec;109(6):1012–5

The use of ketoconazole in the emergency management of disseminated intravascular coagulation due to metastatic prostatic cancer. Lowe FC, et al. **J Urol** 1987 May; 137(5):1000–2

Long–term experience with high dose ketoconazole therapy in patients with stage D2 prostatic carcinoma. Pont A. **J Urol** 1987 May;137(5):902–4

Ketoconazole therapy in advanced prostatic cancer [editorial] Trachtenberg J. **J Urol** 1987 May;137(5):959

Ketoconazole therapy for advanced prostatic cancer: feasibility and treatment results. Vanuytsel L, et al. **J Urol** 1987 May;137(5):905–8

Disseminated intravascular coagulation in prostatic carcinoma reversed by ketoconazole. Litt MR, et al. **JAMA** 1987 Sep 11;258(10):1361–2

Ketoconazole in the treatment of experimental murine paracoccidioidomycosis. Ueda AK, et al. **Mycopathologia** 1987 Apr;98(1):27–34

The serological response to Candida albicans in leukemic patients prophylactically treated with ketoconazole. Schønheyder H, et al. **Mykosen** 1987 Jan;30(1):5–9

Long term post–treatment follow–up of onychomycoses treated with ketoconazole. Török I, et al. **Mykosen** 1986 Aug;29(8):372–7

The use of ketoconazole as an inhibitor of steroid production. Sonino N. **N Engl J Med** 1987 Sep 24;317(13):812–8 (98 ref.)

Comparison of ketoconazole and griseofulvin for treatment of tinea capitis in childhood: a preliminary study. Tanz RR, et al. **Pediatr Emerg Care** 1985 Mar;1(1):16–8

Epidemiology and treatment of tinea capitis: ketoconazole vs. griseofulvin. Gan VN, et al. **Pediatr Infect Dis J** 1987 Jan;6(1):46–9

Ketoconazole vs. itraconazole for antifungal prophylaxis in patients with severe granulocytopenia: preliminary results of two nonrandomized studies. Tricot G, et al. **Rev Infect Dis** 1987 Jan–Feb;9 Suppl 1:S94–9

Oral treatment of vaginal mycoses with Nizoral tablet. Tallián F. **Ther Hung** 1985;33(2):103–6

Treatment of patients suffering from dermatomycoses with nizoral tablet. Vánkos J, et al. **Ther Hung** 1985;33(4):189–92

Treatment of otolaryngological mycoses with Nizoral. Zelen B. **Ther Hung** 1985;33(3):156–9

Trial of ketoconazole in non–invasive pulmonary aspergillosis. Shale DJ, et al. **Thorax** 1987 Jan;42(1):26–31

[Ketoconazole—new possibilities of treatment in advanced stages of prostatic carcinoma] Svábenský M. **Cas Lek Cesk** 1986 Nov 28;125(48):1488–9 (Eng. Abstr.) **(Cze)**

[Cancer of the prostate: new hormone therapies] Namer M, et al. **Bull Cancer (Paris)** 1986;73(1):47–55 (Eng. Abstr.) **(Fre)**

[High–dose ketoconazole in the treatment of advanced cancer of the breast (letter)] Namer M, et al. **Bull Cancer (Paris)** 1986;73(1):89 **(Fre)**

[2 cases of Candida chorioretinitis in heroin addicts: value of the treatment with ketoconazole] Guidat JM, et al. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):179–83 (Eng. Abstr.) **(Fre)**

[Orbital zygomycosis (mucormycosis) in a healthy child. Treatment with ketoconazole] Vilella JM, et al. **J Fr Ophtalmol** 1986;9(6–7):441–4 (Eng. Abstr.) **(Fre)**

[Actual treatment of fungus mycetoma: interest in associating ketoconazole and conservative surgery] Andreu JM. **Med Trop (Mars)** 1986 Jul–Sep;46(3):293–7 (Eng. Abstr.) **(Fre)**

[A case of histoplasmosis caused by Histoplasma duboisii and treated by ketoconazole in Bangui (C.A.R.)] Lesbordes JL, et al. **Med Trop (Mars)** 1986 Jul–Sep;46(3):303–5 (Eng. Abstr.) **(Fre)**

[Cutaneous leishmaniasis or oriental sore. Treatment with ketoconazole (letter)] Vilmer C, et al. **Presse Med** 1986 Jul 5–12;15(27):1287 **(Fre)**

[Treatment of severe or refractory dermatophytoses with ketoconazole. Report of a study conducted by 16 dermatologists in Quebec] Giroux JM. **Union Med Can** 1986 May;115(5):314–7 (Eng. Abstr.) **(Fre)**

[Therapeutic possibilities in mycotic corneal processes] Gračner B. **Fortschr Ophthalmol** 1987;84(3):245–6 (Eng. Abstr.) **(Ger)**

[Chronic mucocutaneous candidiasis] Wengrower D, et al. **Harefuah** 1986 Sep;111(5–6):114–6 (Eng. Abstr.) **(Heb)**

[Ketoconazole: new perspectives in endocrinology] Leal–Cerro A, et al. **Med Clin (Barc)** 1986 Oct 18; 87(12):502–4 **(Spa)**

[Separation and characterization by high pressure liquid chromatography of delta(4)–3–ketosteroids synthetized from 3H–pregnenolone by an ectopic adrenal tumor treated with ketoconazole] Ravanal M, et al. **Rev Med Chil** 1987 Feb;115(2):129–34 (Eng. Abstr.) **(Spa)**

KETOGLUTARATE DEHYDROGENASE COMPLEX see under **KETONE OXIDOREDUCTASES**

KETOGLUTARIC ACIDS

Chemical evolution of the citric acid cycle: sunlight photolysis of alpha–ketoglutaric acid. Waddell TG, et al. **Orig Life Evol Biosph** 1987;17(2):149–53

METABOLISM

DOOR syndrome (deafness, onycho–osteodystrophy, and mental retardation): elevated plasma and urinary 2–oxoglutarate in three unrelated patients. Patton MA, et al. **Am J Med Genet** 1987 Jan;26(1):207–15

Substrate utilization by Campylobacter jejuni and Campylobacter coli. Westfall HN, et al. **Appl Environ Microbiol** 1986 Oct;52(4):700–5

Kinetics of the reconstituted 2–oxoglutarate carrier from bovine heart mitochondria. Indiveri C, et al. **Biochim Biophys Acta** 1987 Mar 4;890(3):310–8

The anomalous properties of the glutamate dehydrogenase–NADPH–alpha–ketoglutarate complex are not ascribable to a carbonyl addition reaction. Fisher HF, et al. **J Biol Chem** 1987 Aug 25;262(24):11684–7

Effect of copper sulphate on alpha–ketoglutarate metabolism in the digestive gland of the snail host, Lymnaealuteola. Babu GR, et al. **J Environ Pathol Toxicol Oncol** 1987 Jan–Feb;7(3):29–34

2–Oxo–[14C]glutarate is taken up by glutamatergic nerve terminals in the rat striatum. Carter CJ, et al. **Neurosci Lett** 1986 Dec 12;72(2):227–31

[Acetylcholine activation of alpha–ketoglutarate oxidation in liver mitochondria] Shostakovskaia IV, et al. **Ukr Biokhim Zh** 1986 Sep–Oct;58(5):54–61 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Inactivation of 2–oxoglutarate dehydrogenase in rat liver mitochondria by its substrate and t–butyl hydroperoxide. Rokutan K, et al. **J Biochem (Tokyo)** 1987 Feb; 101(2):415–22

Characterization of an active site peptide modified by the substrate analogue 3–bromo–2–ketoglutarate on a single chain of dimeric NADP+–dependent isocitrate dehydrogenase. Ehrlich RS, et al. **J Biol Chem** 1987 Sep 15;262(26):12614–9

The effect of 2–oxoglutarate or 3–hydroxybutyrate on pyruvate dehydrogenase complex in isolated cerebrocortical mitochondria. Lai JC, et al. **Neurochem Res** 1987 Aug;12(8):715–22

URINE

Hyper–2–oxoglutaric aciduria in long–term mental handicap. Hoffmann G, et al. **J Ment Defic Res** 1986 Sep;30 (Pt 3):251–60

Urinary excretion of lactate, 2–oxoglutarate, citrate, and glycerol in patients with glycogenosis type I. Fernandes J, et al. **Pediatr Res** 1987 Mar;21(3):279–82

Organic aciduria in rats fed high amounts of xylitol or sorbitol. Hämäläinen MM. **Toxicol Appl Pharmacol** 1987 Sep 15;90(2):217–26

KETONE BODIES

BIOSYNTHESIS

Quantitation of ketogenesis in periportal and pericentral regions of the liver lobule. Olson MJ, et al. **Arch Biochem Biophys** 1987 Feb 15;253(1):26–37

Regulation of ketogenesis, gluconeogenesis and the mitochondrial redox state by dexamethasone in hepatocyte monolayer cultures. Agius L, et al. **Biochem J** 1986 Nov 1;239(3):593–601

Metabolic pathways for ketone body production. 13C NMR spectroscopy of rat liver in vivo using 13C–multilabeled fatty acids. Pahl–Wostl C, et al. **Biochemistry** 1986 Nov 4;25(22):6799–807

Ketogenesis in the living rat followed by 13C–NMR spectroscopy. Infusion of [1,3–13C]octanoate. Pahl–Wostl C, et al. **Biol Chem Hoppe Seyler** 1987 Mar;368(3):205–14

Time course of changes in hepatic metabolism in response to sepsis in the rat: impairment of gluconeogenesis and ketogenesis in vitro. de Vasconcelos PR, et al. **Clin Sci** 1987 Jun;72(6):683–91

Regulation of ketogenesis, gluconeogenesis, and glycogen synthesis by insulin and proinsulin in rat hepatocyte monolayer cultures. Agius L, et al. **Diabetes** 1986 Nov; 35(11):1286–93

Effect of forskolin on cAMP accumulation and ketogenesis in isolated hepatocytes. Al–Turk WA, et al. **Gen Pharmacol** 1986;17(5):577–80

Impaired ketogenesis in iron–deficient rat pups. Bartholmey SJ, et al. **J Nutr** 1986 Nov;116(11):2180–9

Effects of glucagon on cAMP accumulation and ketogenesis in hepatocytes from euthyroid and hypothyroid rats. Shaheen O, et al. **J Pharm Pharmacol** 1987 Mar; 39(3):169–72

Effects of vasopressin, angiotensin II and phenylephrine on hepatic ketogenesis and fatty acid synthesis. Nomura T, et al. **Jpn J Pharmacol** 1986 Aug;41(4):525–32

[In vivo study of lipolysis and ketogenesis in man] Beylot M, et al. **Journ Annu Diabetol Hotel Dieu** 1986;:41–53 (53 ref.) **(Fre)**

BLOOD

Changes in blood glucose, liver glycogen, ketone bodies and plasma insulin in suckling rats treated with a single high cortisol dose one day after birth. Aránguez MI, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):598–603

Interrelationships between dietary carbohydrates, B cell

function and rate of ketogenesis during underfeeding in obese patients. Pasquali R, et al. **Ann Nutr Metab** 1987; 31(4):219–30

Ketone-body metabolism after surgical stress or partial hepatectomy. Evidence for decreased ketogenesis and a site of control distal to carnitine palmitoyltransferase I. Schofield PS, et al. **Biochem J** 1987 Jan 15;241(2):475–81

Blood lactate and ketone body concentrations in salicylate intoxication. Bartels PD, et al. **Hum Toxicol** 1986 Dec; 5(6):363–6

Glomerular filtration rate is increased in man by the infusion of both D,L-3-hydroxybutyric acid and sodium D,L-3-hydroxybutyrate. Fioretto P, et al. **J Clin Endocrinol Metab** 1987 Aug;65(2):331–8

Hepatic ketogenesis and peripheral ketone body utilization in the ruminant. Heitmann RN, et al. **J Nutr** 1987 Jun; 117(6):1174–80 (80 ref.)

Short-term changes in blood ketone body ratio in the phase immediately after liver transplantation. Taki Y, et al. **Transplantation** 1987 Mar;43(3):350–3

[Effect of insulin and glucagon on Intralipid-induced ketogenesis in the human] Keller U. **Beitr Infusionther Klin Ernahr** 1986;13:71–82 **(Ger)**

METABOLISM

Ketogenic effects of low and high levels of carnitine during total parenteral nutrition in the rat. Böhles HJ, et al. **Am J Clin Nutr** 1987 Jul;46(1):47–51

Mechanisms involved in ketone body release by rat liver cells: influence of pH and bicarbonate. Fafournoux P, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):G200–8

Stoichiometric traps in the tricarboxylic acid cycle. I. Self-inhibition and triggering phenomena. Dynnik VV, et al. **Biochem Int** 1987 Feb;14(2):199–210

Decreased rate of ketone-body oxidation and decreased activity of D-3-hydroxybutyrate dehydrogenase and succinyl-CoA:3-oxo-acid CoA-transferase in heart mitochondria of diabetic rats. Grinblat L, et al. **Biochem J** 1986 Nov 15;240(1):49–56

Rates of utilization and fates of glucose, glutamine, pyruvate, fatty acids and ketone bodies by mouse macrophages. Newsholme P, et al. **Biochem J** 1987 Mar 15;242(3):631–6

Metabolism of glucose, glutamine, long-chain fatty acids and ketone bodies by murine macrophages. Newsholme P, et al. **Biochem J** 1986 Oct 1;239(1):121–5

The regulation of glutamine and ketone-body metabolism in the small intestine of the long-term (40-day) streptozotocin-diabetic rat. Watford M, et al. **Biochem J** 1987 Feb 15;242(1):61–8

Relative importance of physiological precursors for ketogenesis in the nutritional homeostasis of the development of the embryonic chick. Bate AJ, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):7–12

Coronary hemodynamics and myocardial metabolism of lactate, free fatty acids, glucose, and ketones in patients with septic shock. Dhainaut JF, et al. **Circulation** 1987 Mar; 75(3):533–41

Carrier-mediated efflux of ketone bodies in isolated rat hepatocytes. Metcalfe HK, et al. **Clin Sci** 1986 Dec; 71(6):755–61

Comparative studies on intermediary metabolism and hormonal counterregulation following human insulin (recombinant DNA) and purified pork insulin in man. Rosak C, et al. **Diabetes Care** 1982 Nov–Dec;5 Suppl 2:82–9

Mechanism of the hyperketonaemic effect of prolonged exercise in insulin-deprived type 1 (insulin-dependent) diabetic patients. Féry F, et al. **Diabetologia** 1987 May; 30(5):298–304

Time course of ketone body production in the isolated perfused rat liver in response to various stimuli. Okuda Y, et al. **Endocrinol Jpn** 1986 Dec;33(6):827–34

Age-related change in ketone body metabolism: diminished glucagon effect on ketogenesis in adult rats. Okuda Y, et al. **Endocrinology** 1987 May;120(5):2152–7

Glucose and ketone body turnover in carnitine-palmitoyl-transferase deficiency. Nosadini R, et al. **Metabolism** 1987 Sep;36(9):821–6

Genetic variation in milk acetone in Swedish dairy cows. Emanuelson U, et al. **Zentralbl Veterinarmed [A]** 1986 Oct; 33(8):600–8

[Stable tracers of glucose and ketone body metabolism in infants] Bougnères PF. **Journ Annu Diabetol Hotel Dieu** 1986;:33–40 **(Fre)**

[Physiopathology of the metabolism of ketone bodies] Nosadini R, et al. **Minerva Endocrinol** 1986 Apr–Jun; 11(2):71–6 (Eng. Abstr.) **(Ita)**

[Decreased oxidation of ketone bodies by heart mitochondria in diabetes] Grinblat L, et al. **Medicina (B Aires)** 1986; 46(6):698–704 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Competition between fatty acids and carbohydrate or ketone bodies as metabolic fuels for the isolated perfused heart. Forsey RG, et al. **Can J Physiol Pharmacol** 1987 Mar; 65(3):401–6

Ketone bodies increase glomerular filtration rate in normal man and in patients with type 1 (insulin-dependent) diabetes mellitus. Trevisan R, et al. **Diabetologia** 1987 Apr; 30(4):214–21

Effects of branched chain amino acids, pyruvate, or ketone bodies on the free amino acid pool and release from brain cortex slices of normal and streptozotocin-diabetic rats. Palaiologos G, et al. **Neurochem Res** 1987 Jan;12(1):1–7

URINE

Relationship of organ lipoprotein lipase activity and ketonuria to hypertriglyceridemia in starved and streptozocin-induced diabetic rats. Wilson DE, et al. **Diabetes** 1987 Apr;36(4):485–90

Ketonuria in hospitalized patients with non-insulin-dependent diabetes mellitus. Papadakis M, et al. **Diabetes Care** 1986 Nov–Dec;9(6):596–600

1H NMR studies of urine during fasting: excretion of ketone bodies and acetylcarnitine. Bales JR, et al. **Magn Reson Med** 1986 Dec;3(6):849–56

Ketonuria in normal pregnancy. Chez RA, et al. **Obstet Gynecol** 1987 Feb;69(2):272–4

[The urine ketone test: obsolete or still current?] Keller U. **Schweiz Rundsch Med Prax** 1987 Feb 17;76(8):185–7 **(Ger)**

[The effect of preoperative starvation on the levels of blood glucose concentrations and on urinary ketone bodies] Kawachi S, et al. **Masui** 1986 Jun;35(6):943–8 (Eng. Abstr.) **(Jpn)**

KETONE OXIDOREDUCTASES

Limited proteolysis and sequence analysis of the 2-oxo acid dehydrogenase complexes from Escherichia coli. Cleavage sites and domains in the dihydrolipoamide acyltransferase components. Packman LC, et al. **Biochem J** 1987 Mar 1; 242(2):531–8

Scanning transmission electron microscopic study of alpha-ketoglutarate dehydrogenase complex from Escherichia coli. Wagenknecht T, et al. **J Biol Chem** 1987 Jan 15;262(2):877–82

ANALYSIS

2-Oxoglutarate dehydrogenase and pyruvate dehydrogenase activities in plant mitochondria: interaction via a common coenzyme a pool. Dry IB, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):92–9

In vivo and in vitro 1-methylxanthine metabolism in the rat. Evidence that the dehydrogenase form of xanthine oxidase predominates in intact perfused liver. Reinke LA, et al. **Drug Metab Dispos** 1987 May–Jun;15(3):295–9

Rapid and sensitive thin-layer chromatographic assay procedure for measuring xanthine dehydrogenase activity from tissue extracts. Frost SK, et al. **J Chromatogr** 1986 Oct 31;382:314–20

Inosine monophosphate dehydrogenase activity in acute leukaemia. Price GM, et al. **Leuk Res** 1987;11(6):525–8

ANTAGONISTS & INHIBITORS

Inactivation of clostridial ferredoxin and pyruvate-ferredoxin oxidoreductase by sodium nitrite. Carpenter CE, et al. **Appl Environ Microbiol** 1987 Mar;53(3):549–52

Modulation of acetyl-CoA carboxylase by inhibitors of IMP dehydrogenase: implications for insulin regulation. Witters LA, et al. **Arch Biochem Biophys** 1987 Jan;252(1):130–5

Inhibition of mitochondrial alpha-ketoglutarate dehydrogenase by 1-methyl-4-phenylpyridinium ion. Mizuno Y, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):971–6

Inhibitors of inosinate dehydrogenase. Kuttan R, et al. **Biochem Int** 1987 Feb;14(2):211–8

Inactivation of 2-oxoglutarate dehydrogenase in rat liver mitochondria by its substrate and t-butyl hydroperoxide. Rokutan K, et al. **J Biochem (Tokyo)** 1987 Feb; 101(2):415–22

BIOSYNTHESIS

12-O-tetradecanoylphorbol-13-acetate-dependent induction of xanthine dehydrogenase and conversion to xanthine oxidase in murine epidermis. Reiners JJ Jr, et al. **Cancer Res** 1987 Apr 1;47(7):1775–9

GENETICS

Sequence of the structural gene for xanthine dehydrogenase (rosy locus) in Drosophila melanogaster. Keith TP, et al. **Genetics** 1987 May;116(1):67–73

Mutations affecting expression of the rosy locus in Drosophila melanogaster. Lee CS, et al. **Genetics** 1987 May; 116(1):55–66

Molecular cloning of genes encoding branched-chain keto acid dehydrogenase of Pseudomonas putida. Sykes PJ, et al. **J Bacteriol** 1987 Apr;169(4):1619–25

ISOLATION & PURIFICATION

Purification of branched chain alpha-ketoacid dehydrogenase complex from rat liver. Shimomura Y, et al. **Anal Biochem** 1987 May 15;163(1):74–8

Purification and characterization of human liver branched-chain alpha-keto acid dehydrogenase complex. Ono K, et al. **Biochem Med Metab Biol** 1987 Apr; 37(2):133–41

Purification of the 2-oxoglutarate dehydrogenase and pyruvate dehydrogenase complexes of Neurospora crassa mitochondria. Mareck A, et al. **Biochimie** 1986 Oct-Nov; 68(10–11):1175–80

Purification, resolution, and reconstitution of rat liver branched-chain alpha-keto acid dehydrogenase complex. Ono K, et al. **J Biochem (Tokyo)** 1987 Jan;101(1):19–27

Purification and characterization of pyruvate:NADP+ oxidoreductase in Euglena gracilis. Inui H, et al. **J Biol Chem** 1987 Jul 5;262(19):9130–5

Interaction between NAD-dependent isocitrate dehydrogenase, alpha-ketoglutarate dehydrogenase complex, and NADH:ubiquinone oxidoreductase. Porpaczy Z, et al. **J Biol Chem** 1987 Jul 15;262(20):9509–14

Purification of IMP dehydrogenase from rat hepatoma 3924A. Ikegami T, et al. **Life Sci** 1987 Jun 8;40(23):2277–82

Purification, characterization, and kinetic analysis of inosine 5'-monophosphate dehydrogenase of Tritrichomonas foetus. Verham R, et al. **Mol Biochem Parasitol** 1987 May; 24(1):1–12

METABOLISM

Regulation of branched-chain alpha-ketoacid dehydrogenase complex by covalent modification. Harris RA, et al. **Adv Enzyme Regul** 1986;25:219–37

Dehydrogenases of alpha-keto acids: essential groups of the active centers. Severin SE, et al. **Adv Enzyme Regul** 1986; 25:347–75

Increased inosinate dehydrogenase activity in mycophenolic acid resistant neuroblastoma cells. Hodges SD, et al. **Adv Exp Med Biol** 1986;195 Pt B:271–4

Glucocorticoid-mediated activation of muscle branched-chain alpha-keto acid dehydrogenase in vivo. Block KP, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):E396–407

Effect of exercise intensity and starvation on activation of branched-chain keto acid dehydrogenase by exercise. Kasperek GJ, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):E33–7

Absence of xanthine oxidase or xanthine dehydrogenase in the rabbit myocardium. Grum CM, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1104–8

Phosphorylation of branched-chain 2-oxo acid dehydrogenase complex in isolated hepatocytes. Jones SM, et al. **Biochem Biophys Res Commun** 1987 Apr 29; 144(2):628–33

Activities of branched-chain amino acid aminotransferase and branched-chain 2-oxo acid dehydrogenase complex in tissues of maternal and fetal sheep. Goodwin GW, et al. **Biochem J** 1987 Feb 15;242(1):305–8

Branched-chain 2-oxo acid dehydrogenase interferes with the measurement of the activity and activity state of hepatic pyruvate dehydrogenase. Goodwin GW, et al. **Biochem J** 1986 May 15;236(1):111–4

Phosphorylation of branched-chain 2-oxo acid dehydrogenase complex in isolated adipocytes. Effects of 2-oxo acids. Jones SM, et al. **Biochem J** 1986 May 15; 236(1):209–13

Oxidative decarboxylation of 4-methylthio-2-oxobutyrate by branched-chain 2-oxo acid dehydrogenase complex [published erratum appears in Biochem J 1987 Mar 15;242(3):935] Jones SM, et al. **Biochem J** 1986 Jul 15; 237(2):621–3

Regulation of branched-chain amino acid metabolism. Harris RA, et al. **Biochem Soc Trans** 1986 Dec;14(6):1005–8

Evidence for the existence of a tyrosyl residue in the nicotinamide adenine dinucleotide binding site of chicken liver xanthine dehydrogenase. Nishino T, et al. **Biochemistry** 1987 Jun 2;26(11):3068–72

Activation of hepatic branched-chain 2-oxoacid dehydrogenase by rat liver cytosolic supernatant. Hauschildt S. **Biochim Biophys Acta** 1986 Oct 29; 884(1):191–8

Binding protein-dependent transports in 2-oxo acids dehydrogenase mutants of Escherichia coli. Richarme G. **Biochim Biophys Acta** 1987 Sep 10;893(2):373–7

Inosine monophosphate dehydrogenase and myeloid cell maturation. Knight RD, et al. **Blood** 1987 Feb;69(2):634–9

Three forms of xanthine: acceptor oxidoreductase in rat heart. Kaminski ZW, et al. **Circ Res** 1986 Dec;59(6):628–32

Differentiation of obligate anaerobes by assay of pyruvate:ferredoxin oxidoreductase activity. Narikawa S, et al. **Eur J Clin Microbiol** 1987 Feb;6(1):74–5

Chain folding in the dihydrolipoyl acyltransferase components of the 2-oxo-acid dehydrogenase complexes from Escherichia coli. Identification of a segment involved in binding the E3 subunit. Packman LC, et al. **FEBS Lett** 1986 Oct 6;206(2):193–8

Ethanol and leucine oxidation—III. Leucine oxidation by rat heart in vitro. Bogoyevitch M, et al. **Int J Biochem** 1987; 19(2):173–7

Regulation of oxidative decarboxylation of branched-chain 2-oxo acids in rat liver mitochondria. Cieśla J, et al. **Int J Biochem** 1986;18(11):1015–21

Further characterization of a muscle factor which activates hepatic branched-chain ketoacid dehydrogenase. Petroski CJ, et al. **Int J Biochem** 1986;18(11):979–83

Postnatal development of the actual and total activity of the branched-chain 2-oxo acid dehydrogenase complex in rat tissues. Veerkamp JH, et al. **Int J Biochem** 1987;19(2):205–7

Modulation of branched-chain 2-oxoacid dehydrogenase activity by adenine nucleotides in isolated rat liver mitochondria. Hauschildt S. **J Biochem (Tokyo)** 1986 Nov; 100(5):1149–54

Free radical intermediates in the reaction of pyruvate:ferredoxin oxidoreductase in Tritrichomonas foetus hydrogenosomes. Docampo R, et al.

J Biol Chem 1987 Sep 15;262(26):12417-20

Clostridial pyruvate oxidoreductase and the pyruvate-oxidizing enzyme specific to nitrogen fixation in Klebsiella pneumoniae are similar enzymes. Wahl RC, et al. **J Biol Chem** 1987 Aug 5;262(22):10489-96

Modulation of rat skeletal muscle branched-chain alpha-keto acid dehydrogenase in vivo. Effects of dietary protein and meal consumption. Block KP, et al. **J Clin Invest** 1987 May; 79(5):1349-58

Conversion of xanthine dehydrogenase to oxidase in ischemic rat tissues. Engerson TD, et al. **J Clin Invest** 1987 Jun; 79(6):1564-70

Altered kinetic properties of the branched-chain alpha-keto acid dehydrogenase complex due to mutation of the beta-subunit of the branched-chain alpha-keto acid decarboxylase (E1) component in lymphoblastoid cells derived from patients with maple syrup urine disease. Indo Y, et al. **J Clin Invest** 1987 Jul;80(1):63-70

Biochemical changes in the intestine associated with anoxia and reoxygenation: in vivo and in vitro studies. Canada AT, et al. **J Free Radic Biol Med** 1986;2(5-6):327-34

Brain alpha-ketoglutarate dehydrogenase complex: kinetic properties, regional distribution, and effects of inhibitors. Lai JC, et al. **J Neurochem** 1986 Nov;47(5):1376-86

Maximum activities of key glycolytic and oxidative enzymes in human muscle from differently trained individuals. Blomstrand E, et al. **J Physiol (Lond)** 1986 Dec;381:111-8

[Role of reversible and irreversible conversion of xanthine dehydrogenase to xanthine oxidase in ischemic damage in isolated and perfused rat heart] Bindoli A, et al. **Cardiologia** 1987 Jan;32(1):89-94 (Eng. Abstr.) **(Ita)**

[Dehydrogenases of alpha-keto acids from pigeon breast muscle] Khallova LS, et al. **Biokhimiia** 1986 Dec; 51(12):2054-74 (69 ref.) (Eng. Abstr.) **(Rus)**

[Activity of pyruvate- and ketoglutarate dehydrogenase complexes on various regions of the rat brain] Rozanov VA, et al. **Ukr Biokhim Zh** 1987 Jan-Feb;59(1):29-34 (Eng. Abstr.) **(Rus)**

KETONES

Mechanism of interference with the Jaffé reaction for creatinine. Kroll MH, et al. **Clin Chem** 1987 Jul; 33(7):1129-32

Chemical structure of the morphogen differentiation inducing factor from Dictyostelium discoideum. Morris HR, et al. **Nature** 1987 Aug 27-Sep 2;328(6133):811-4

ANALYSIS

Evaluation of solid sorbents for sampling ketones in work-room air. Levin JO, et al. **Ann Occup Hyg** 1987; 31(1):31-8

Evaluation of silica gel cartridges coated in situ with acidified 2,4-dinitrophenylhydrazine for sampling aldehydes and ketones in air. Tejada SB. **Int J Environ Anal Chem** 1986; 26(2):167-85

BLOOD

Evaluation of a new chemical dip strip for detecting ketonemia in the emergency setting. Belford EM, et al. **Am J Emerg Med** 1987 Sep;5(5):393-4

Accelerated starvation in pregnancy: implications for dietary treatment of obesity and gestational diabetes mellitus. Metzger BE, et al. **Biol Neonate** 1987;51(2):78-85 (39 ref.)

Elevated blood ketone and glucagon levels cannot account for 1,3-butanediol induced cerebral protection in the Levine rat. Lundy EF, et al. **Stroke** 1987 Jan-Feb; 18(1):217-22

[Predictive studies of hepatic encephalopathy in patients with liver cirrhosis by oral glucose tolerance tests and blood ketone body ratios] Suda T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Dec;83(12):2538-44 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

Studies on hypolipidemic agents. II. Synthesis of 1-arenesulfonyloxy-2-alkanone derivatives as potent esterase inhibitors and hypolipidemic agents. Ogawa K, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug;34(8):3252-66

Carbon-11 labeled dialkylketones: synthesis of 9-[11C]heptadecan-9-one. Kothari PJ, et al. **Int J Rad Appl Instrum [A]** 1986;37(6):471-3

Analogues of the cytostatic and antimitogenic agents chlamydocin and HC-toxin: synthesis and biological activity of chloromethyl ketone and diazomethyl ketone functionalized cyclic tetrapeptides. Shute RE, et al. **J Med Chem** 1987 Jan;30(1):71-8

Design and synthesis of potent and specific renin inhibitors containing difluorostatine, difluorostatone, and related analogues. Thaisrivongs S, et al. **J Med Chem** 1986 Oct; 29(10):2080-7

Anticonvulsant evaluation of some 3-oxo and 3-thiosemicarbazono analogues of 1-aryl-1-ethylthio-nonanes and related compounds. Dimmrock JR, et al. **Pharmazie** 1987 Feb;42(2):111-3

Synthesis of 1,4-bis (3-oxo-1-alkenyl)benzene and the growth of Tetrahymena pyriformis. Nyathi CB, et al. **Pharmazie** 1986 Jun;41(6):430-1

DIAGNOSTIC USE

Clinical comparison of indium-111 acetylacetone and indium-111 tropolone granulocytes. Schauwecker DS, et al. **J Nucl Med** 1986 Nov;27(11):1675-9

METABOLISM

Ketononestrol aziridine, an agonistic estrogen receptor affinity label: study of its bioactivity and estrogen receptor covalent labeling. Elliston JF, et al. **Endocrinology** 1987 Aug;121(2):667-76

Ketone formation in the intestinal mucosa of infant rats. Hahn P, et al. **Life Sci** 1987 Sep 21;41(12):1525-8

The effect of feeding fish oils, vegetable oils and clofibrate on the ketogenesis from long chain fatty acids in hepatocytes. Bergseth S, et al. **Lipids** 1986 Aug; 21(8):508-14

Acetone-induced changes in the toxicokinetics of 2,5-hexanedione in rabbits. Ladefoged O, et al. **Scand J Work Environ Health** 1986 Dec;12(6):627-9

PHARMACODYNAMICS

Insulin, ketones, glucose and glucagon: effects on the arterial basement membrane in vitro. Ledet T, et al. **Acta Endocrinol (Copenh)** 1987 May;115(1):139-43

Effects of phorone (diisopropylidene acetone), a glutathione (GSH) depletor, on hepatic enzymes involved in drug and heme metabolism in rats: evidence that phorone is a potent inducer of heme oxygenase. Yoshida T, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):502-8

Inhibition of the low-Km mitochondrial aldehyde dehydrogenase by diethyl maleate and phorone in vivo and in vitro. Implications for formaldehyde metabolism. Dicker E, et al. **Biochem J** 1986 Dec 15;240(3):821-7

Substituted trifluoroketones as potent, selective inhibitors of mammalian carboxylesterases. Ashour MB, et al. **Biochem Pharmacol** 1987 Jun 15;36(12):1869-79

2,5-hexanedione aggregates vimentin-, but not keratin-, intermediate filaments of PtK1 cells. Durham HD. **Cell Biol Int Rep** 1987 Apr;11(4):307-18

2,5-Hexanedione-induced immunomodulatory effect in mice. Upreti RK, et al. **Environ Res** 1987 Jun;43(1):48-59

2,4-Pentanedione: 9-day and 14-week vapor inhalation studies in Fischer-344 rats. Dodd DE, et al. **Fundam Appl Toxicol** 1986 Aug;7(2):329-39

Alteration of actin-tropomyosin interaction in 2,4-pentanedione-treated rabbit skeletal myofibrils. el-Saleh SC, et al. **J Biol Chem** 1986 Nov 5; 261(31):14646-50

Fluoro ketone containing peptides as inhibitors of human renin. Fearon K, et al. **J Med Chem** 1987 Sep;30(9):1617-22

Synthesis and antifungal activity of a series of novel 1,2-disubstituted propenones. Ogata M, et al. **J Med Chem** 1987 Aug;30(8):1497-502

Uncoupling of cerebral glucose supply and utilization after hexane-2,5-dione intoxication in the rat [published erratum appears in J Neurochem 1987 Sep;49(3):995] Planas AM, et al. **J Neurochem** 1987 Mar;48(3):816-23

Effects of arildone on the immunogenicity of formalin-inactivated polioviruses. Abe S, et al. **Jpn J Med Sci Biol** 1987 Feb;40(1):1-13

Mechanisms of in vitro pyrrole adduct autoxidation in 2,5-hexanedione-treated protein. DeCaprio AP. **Mol Pharmacol** 1986 Nov;30(5):452-8

Desmutagenic effect of alpha-dicarbonyl and alpha-hydroxycarbonyl compounds against mutagenic heterocyclic amines. Kim SB, et al. **Mutat Res** 1987 Mar; 177(1):9-15

2,5-Hexanedione neuropathy is associated with the covalent crosslinking of neurofilament proteins. Carden MJ, et al. **Neurochem Pathol** 1986 Aug;5(1):25-35

Cytofluorometric quantification of somatopetal axonal transport: effects of a conditioning lesion and 2,5-hexanedione. Nennesmo I, et al. **Neuropathol Appl Neurobiol** 1986 Jul-Aug;12(4):379-87

The effect of 2,5-hexanedione on newly formed collagen in granulation tissue. Braendgaard H, et al. **Pharmacol Toxicol** 1987 Jul;61(1):63-5

Effect of some Mannich bases derived from aryl-alpha, beta-unsaturated ketones on respiration in mouse liver mitochondria. Dimmock JR, et al. **Pharmazie** 1986 Jun; 41(6):441-2

Further studies of the metabolic incorporation and covalent binding of inhaled [3H]- and [14C]formaldehyde in Fischer-344 rats: effects of glutathione depletion. Casanova M, et al. **Toxicol Appl Pharmacol** 1987 Jun 15;89(1):105-21

[Thermitase--a thermostable serine protease. VIII. Kinetic and ESR investigations on the interactions of enzymes with spin labeled peptide methyl ketones] Fittkau S, et al. **Biomed Biochim Acta** 1986;45(7):877-86 (Eng. Abstr.) **(Ger)**

TOXICITY

The 1986 McCollum award lecture. Fuel-mediated teratogenesis during early organogenesis: the effects of increased concentrations of glucose, ketones, or somatomedin inhibitor during rat embryo culture. Freinkel N, et al. **Am J Clin Nutr** 1986 Dec;44(6):986-95

The acute toxicity and primary irritancy of 2,4-pentanedione. Ballantyne B, et al. **Drug Chem Toxicol** 1986;9(2):133-46

Developmental toxicity evaluation of inhaled methyl isobutyl ketone in Fischer 344 rats and CD-1 mice. Tyl RW, et al. **Fundam Appl Toxicol** 1987 Apr;8(3):310-27

Comparative study of 2,5-hexanediol and 2,5-hexanedione induced thymic toxicity in weanling and adult rats. Singh KP, et al. **Indian J Exp Biol** 1986 Jun;24(6):371-7

Neurotoxic effects of combined treatment of 2,5-hexanedione and triethyllead chloride. Lapadula DM, et al. **J Toxicol Environ Health** 1987;21(4):483-92

2,5-Hexanedione alters microtubule assembly. I. Testicular atrophy, not nervous system toxicity, correlates with enhanced tubulin polymerization. Boekelheide K. **Toxicol Appl Pharmacol** 1987 May;88(3):370-82

2,5-Hexanedione alters microtubule assembly. II. Enhanced polymerization of crosslinked tubulin. Boekelheide K. **Toxicol Appl Pharmacol** 1987 May;88(3):383-96

Evidence that pyrrole formation is a pathogenetic step in gamma-diketone neuropathy. Genter MB, et al. **Toxicol Appl Pharmacol** 1987 Feb;87(2):351-62

Hyperbaric oxygen accelerates the neurotoxicity of 2,5-hexanedione. Rosenberg CK, et al. **Toxicol Appl Pharmacol** 1987 Feb;87(2):374-9

dl- versus meso-3,4-dimethyl-2,5-hexanedione: a morphometric study of the proximo-distal distribution of axonal swellings in the anterior root of the rat. Rosenberg CK, et al. **Toxicol Appl Pharmacol** 1987 Feb;87(2):363-73

In vitro effects of 2,5 hexanedione on a melanoma cell line: a morphological study. Malorni W, et al. **Toxicology** 1987 Mar;43(3):269-82

[Potentiation of hepatotoxicity by ketones and ketogenic agents] Plaa GL, et al. **Union Med Can** 1987 Feb; 116(2):97-100, 108 (Eng. Abstr.) **(Fre)**

[A neurophysiological study on neurotoxicity of 2,5-hexanedione. Auditory brainstem responses in rats] Hirata M. **Sangyo Igaku** 1987 Mar;29(2):145-51 (Eng. Abstr.) **(Jpn)**

URINE

False-positive results for ketone with the drug mesna and other free-sulfhydryl compounds. Csako G. **Clin Chem** 1987 Feb;33(2 Pt 1):289-92

False-positive ketostix in a diabetic on antihypertensive therapy [letter] Graham P, et al. **Clin Chem** 1987 Aug; 33(8):1490

Sample contamination by test strips. Rattenbury JM, et al. **Clin Chem** 1987 Mar;33(3):414

False positive reaction for urinary ketones with mesna [letter] Ben Yehuda A, et al. **Drug Intell Clin Pharm** 1987 Jun; 21(6):547-8

Quantitative alterations in the metabolism of carbonyl compounds due to diet-induced lipid peroxidation in rats. Yancey M, et al. **J Chromatogr** 1986 Oct 31;382:47-56

Urinary excretion of 2,5-hexanedione and peripheral polyneuropathies workers exposed to hexane. Governa M, et al. **J Toxicol Environ Health** 1987;20(3):219-28

[Gas chromatographic determination of 2,5-hexanedione in the urine] Perbellini L, et al. **Med Lav** 1986 Nov-Dec; 77(6):628-34 (Eng. Abstr.) **(Ita)**

6-KETO-PGF1 ALPHA see **6-KETOPROSTAGLANDIN F1 ALPHA**

KETOPROFEN see under **PHENYLPROPIONATES**

6-KETOPROSTAGLANDIN F1 ALPHA

ANALOGS & DERIVATIVES

Formation of 6,15-diketoprostaglandin F1 alpha from prostaglandin G2 by bovine aortic endothelial cells. Mayer B, et al. **Biochim Biophys Acta** 1987 Apr 24;918(3):209-16

Determination of 2,3-dinor-6-ketoprostaglandin F1 alpha in urine samples by liquid chromatography and radioimmunoassay. Casas J, et al. **J Chromatogr** 1986 Dec 19;383(2):317-24

Urinary excretion of 2, 3-dinor-6-keto prostaglandin F1 alpha and platelet thromboxane formation during ethanol withdrawal in alcoholics. Neiman J, et al. **J Clin Pathol** 1987 May;40(5):512-5

Effects of a small dose of ethanol and calcium carbimide-induced acetaldehyde intoxication on human platelet aggregation, associated thromboxane formation and urinary excretion of 2,3-dinor-6-keto prostaglandin F1 alpha. Neiman J, et al. **J Toxicol Clin Toxicol** 1987; 25(3):185-98

Myocardial ischaemia triggers formation of thromboxane [letter] Edlund A, et al. **Lancet** 1987 Sep 5;2(8558):573

ANALYSIS

Sensitive method for the determination of 6-oxo-prostaglandin F1 alpha by gas chromatography with electron-capture and mass-fragmentographic detection. Tomori E, et al. **J Chromatogr** 1986 Sep 19;365:161-9

Immunohistochemical localization of 6-keto-prostaglandin F1 alpha and prostaglandin E2 in the human umbilical cord before and after labor. Siegel RJ, et al. **Lab Invest** 1987 May;56(5):550-3

Analysis of 6-keto PGF1 alpha, 5-HETE, and LTC4 in rat lung: comparison of GM/MS, RIA, and EIA. Westcott JY, et al. **Prostaglandins** 1986 Dec;32(6):857-73

[Sequential measurements of TxB2 and 6-keto PGF1 alpha in cerebrospinal fluid and serum in patients with subarachnoid hemorrhage] Shinonaga M, et al. **Neurol Med Chir (Tokyo)** 1986 Apr;26(4):277-83 (Eng. Abstr.) **(Jpn)**

[Detection of 6-keto-prostaglandin F1 alpha and thromboxane B2 in human placental tissues] Tanaka Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Sep; 38(9):1653-4 **(Jpn)**

BIOSYNTHESIS

Ontogeny of 6-keto-PGF1 alpha synthesis in rabbit aorta and the effect of premature weaning. Bydlowski SP, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):H14-21

Increased production of arachidonate metabolites by peritoneal cells of mice infected with Plasmodium vinckei vinckei. Clark IA, et al. **Aust J Exp Biol Med Sci** 1986 Oct;64 (Pt 5):415-8

Effect of a thromboxane synthetase inhibitor on eicosanoid synthesis and glomerular injury during acute unilateral glomerulonephritis in the rat. Cook HT, et al. **Clin Nephrol** 1986 Oct;26(4):195-202

Renin-angiotensin system and glomerular prostaglandins in early nephrotoxicity of ciclosporin. Perico N, et al. **Contrib Nephrol** 1986;51:120-5

Prostaglandin synthesis and release from cultured human trabecular-meshwork cells and scleral fibroblasts. Gerritsen ME, et al. **Exp Eye Res** 1986 Dec;43(6):1089-102

Impaired prostacyclin synthesis by vessel walls in Behçet's disease [letter] Kansu E, et al. **Lancet** 1986 Nov 15; 2(8516):1154

Effect of ethanol on thromboxane and prostacyclin synthesis by fetal platelets and umbilical artery. Ylikorkala O, et al. **Life Sci** 1987 Jul 20;41(3):371-6

Islet-activating protein inhibits leukotriene D4- and leukotriene C4- but not bradykinin- or calcium ionophore-induced prostacyclin synthesis in bovine endothelial cells. Clark MA, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7320-4

Involvement of prostaglandins in the response of frog adrenocortical cells to muscarinic receptor activation. Delarue C, et al. **Prostaglandins** 1986 Jul;32(1):87-91

Mechanism of complement-mediated thromboxane production by the perfused rabbit liver: lack of effect of dantrolene sodium. Flynn JT. **Prostaglandins Leukotrienes Med** 1987 May;27(2-3):93-103

The effect of EDTA on the production of prostacyclin by rat aorta. Vallés J, et al. **Thromb Res** 1986 Aug 15; 43(4):479-83

BLOOD

Prostacyclin in (extracted) plasma of essential hypertensives. Sundar S. **Acta Cardiol (Brux)** 1987;42(2):135-9

Elevated levels of immunoreactive prostacyclin metabolite in babies who develop intraventricular haemorrhage. Rennie JM, et al. **Acta Paediatr Scand** 1987 Jan;76(1):19-23

Estrogen, progesterone, prolactin, prostaglandin E2, prostaglandin F2 alpha, 13,14-dihydro-15-keto-prostaglandin F2 alpha, and 6-keto-prostaglandin F1 alpha gradients across the uterus in women in labor and not in labor. Davidson BJ, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):54-8

Endotoxin-induced changes in plasma concentrations of thromboxane and prostacyclin in neonatal calves given antiserum to a mutant Escherichia coli (J-5). Morris DD, et al. **Am J Vet Res** 1986 Dec;47(12):2520-4

Routine measurement of thromboxane B2 and the prostacyclin metabolite 6-keto-prostaglandin F1 alpha in plasma. Maurin N. **Arzneimittelforschung** 1986 Aug; 36(8):1174-9

Effects of intracoronary leukotriene D4 infusion on the coronary circulation, hemodynamics, and prostanoid release in porcine experiments. Fiedler VB, et al. **Cardiology** 1987;74(2):89-99

Beneficial changes in prostacyclin and thromboxane A2 induced by ginsenosides in myocardial infarction and reperfusion injury in dogs. Fang YX, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 May;7(3):226-30

Renal prostaglandin efflux induced by vasopressin, dDAVP and arachidonic acid: contrasting profile and sites of release. Miller MJ, et al. **Clin Exp Pharmacol Physiol** 1986 Aug;13(8):577-84

6-keto-PGF1 alpha levels and prostacyclin therapy in 2 adult patients with hemolytic-uremic syndrome. Hautekeete ML, et al. **Clin Nephrol** 1986 Sep;26(3):157-9

Ethamsylate reduces immunoreactive prostacyclin metabolite in low birthweight infants with respiratory distress syndrome. Rennie JM, et al. **Early Hum Dev** 1986 Dec; 14(3-4):239-44

Low dose flunixin meglumine: effects on eicosanoid production and clinical signs induced by experimental endotoxaemia in horses. Semrad SD, et al. **Equine Vet J** 1987 May;19(3):201-6

Determination of peripheral plasma prostanoid concentration: an unreliable index of 'in vivo' prostanoid activity. Schweer H, et al. **Eur J Clin Pharmacol** 1986;31(3):303-5

Effects of kallidinogenase on urinary kallikrein excretion and plasma prostanoid concentrations in patients with essential hypertension. Ogawa K, et al. **Experientia** 1986 Sep 15; 42(9):1014-5

The behaviour of 6-keto PGF1 alpha and TXB2 concentrations in the culture supernatant of chronic lymphocytic leukaemia cells. Giedrojć J. **Folia Haematol (Leipz)** 1987;114(1):111-6

Thromboxane and prostacyclin release in adult respiratory distress syndrome. Deby-Dupont G, et al. **Intensive Care Med** 1987;13(3):167-74

Interaction between lymphocytes and platelets in the synthesis of prostacyclin. Wu KK, et al. **J Clin Invest** 1987 Jun;79(6):1601-6

Prostanoids in neonates with persistent pulmonary hypertension. Hammerman C, et al. **J Pediatr** 1987 Mar; 110(3):470-2

Prostaglandin levels: predictors of indomethacin responsiveness. Hammerman C, et al. **Pediatr Cardiol** 1986; 7(2):61-5

The silent ductus: its precursors and its aftermath. Hammerman C, et al. **Pediatr Cardiol** 1986;7(3):121-7

Effect of ovariectomy in humans on serum 6-keto-PGF1 alpha and TXB2 concentrations and platelet fatty acids. Punnonen R, et al. **Prostaglandins Leukotrienes Med** 1987 Jan;26(1):85-9

Effects of streptokinase in thrombolytic therapy: a radiology research project. Dreesen RG, et al. **Radiol Technol** 1987 Jan-Feb;58(3):211-4

Nicotinic acid enhances the production of 6-ketoprostaglandin F1 alpha in human whole blood in vitro. Pattison A, et al. **Res Commun Chem Pathol Pharmacol** 1987 Mar;55(3):423-6

The effects of dauricine and verapamil as calcium channel blockers on the plasma concentration of 6-keto-prostaglandin F1 alpha and thromboxane B2 during cardiopulmonary bypass. Zhou JA, et al. **Thorac Cardiovasc Surg** 1987 Jun;35(3):172-5

[Relation between plasma thromboxane B2 and 6-keto-prostaglandin F1 alpha levels and traditional Chinese medicine in different types of ischemic heart disease patients] Xu QY, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Jan;7(1):15-7, 3-4 (Eng. Abstr.) **(Chi)**

[Radioimmunoassay of 6-keto-PGF1 alpha] Shi YQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Aug; 8(4):310-2 (Eng. Abstr.) **(Chi)**

[Effects of sodium beta-3,4-dihydroxyphenyl lactate and beta-phenyl lactic acid on prostacycline and thromboxane A2 contents in the plasma of rabbits after coronary artery occlusion] Zhu L, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Nov;7(6):533-6 (Eng. Abstr.) **(Chi)**

[Value of calcitonin and 6-oxo-prostaglandin F1 alpha in the differentiation of lung cancers] Burghuber OC, et al. **Acta Med Austriaca** 1987;14(2):47-50 (Eng. Abstr.) **(Ger)**

[Plasma and urinary prostaglandins in patients with urogenital cancer] Tsuruta K, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep;77(9):1478-84 (Eng. Abstr.) **(Jpn)**

[Evaluation of plasma 6-keto-prostaglandin F1 alpha and thromboxane B2 in diabetic neuropathy] Tsuji M, et al. **Nippon Naibunpi Gakkai Zasshi** 1987 Jan 20;63(1):26-33 (Eng. Abstr.) **(Jpn)**

CEREBROSPINAL FLUID

Prostanoid concentrations in human CSF following acute ischaemic brain infarction. Fagan SC, et al. **Clin Exp Pharmacol Physiol** 1986 Aug;13(8):629-32

METABOLISM

Plasma and amniotic fluid prostacyclin and thromboxane in mild pregnancy-induced hypertension. Brown HL, et al. **Am J Perinatol** 1987 Apr;4(2):152-4

Prostaglandin content of tissue lining vascular prostheses. Schwarcz TH, et al. **Curr Surg** 1987 Jan-Feb;44(1):18-21

6-keto prostaglandin F1 alpha and thromboxane B2 in isolated, buffer-perfused lungs from monocrotaline pyrrole-treated rats. Ganey PE, et al. **Exp Lung Res** 1987; 12(3):195-206

Sequential alterations in glomerular prostaglandin and thromboxane synthesis in diabetic rats: relationship to the hyperfiltration of early diabetes. Craven PA, et al. **Metabolism** 1987 Jan;36(1):95-103

Increase in thromboxane B2 and decrease in prostaglandin E2 and 6-keto-prostaglandin F1 alpha release into rat bronchoalveolar fluid as a consequence of cigarette smoking. Tanizawa H, et al. **Prostaglandins Leukotrienes Med** 1987 Jul;28(2):195-201

Arachidonic acid metabolism following aneurysm rupture. Evaluation of cerebrospinal fluid and serum concentration of 6-keto-prostaglandin F1 alpha and thromboxane B2 in patients with subarachnoid hemorrhage. Seifert V, et al. **Surg Neurol** 1987 Mar;27(3):243-52

[Effect of pollen typhae on 6-keto-PGF1 alpha, TXB2, TC and HDL-C in chronic hyperlipemic rabbits] Zhang L. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Oct; 14(5):291-3, 319-20 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

The functional significance of the regulation of macrophage Ia expression by endogenous arachidonate metabolites in vitro. Tripp CS, et al. **J Immunol** 1986 Dec 15; 137(12):3915-20

[Interaction of sex steroids, prostaglandins (6-keto-PGF1 alpha, PGF2 alpha) and beta adrenergic agonists (adrenaline, fenoterol-Partusisten) in the human non-pregnant myometrium in vitro] Quaas L, et al. **Z Geburtshilfe Perinatol** 1986 Sep-Oct;190(5):204-9 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

[Role of prostacyclin and thromboxane A2 in adaptive cytoprotection of gastric mucosa by pepsin] Wang JY, et al. **Sheng Li Hsueh Pao** 1986 Oct;38(5):459-67 (Eng. Abstr.) **(Chi)**

SECRETION

Enhanced prostaglandin E2 and thromboxane B2 release from resident peritoneal macrophages isolated from morphine-dependent rats. Elliott GR, et al. **FEBS Lett** 1987 Jun 8;217(1):6-10

Anaphylatoxin C5a fails to promote prostacyclin release in cultured endothelial cells from human umbilical veins. Lundberg C, et al. **Immunopharmacology** 1986 Oct; 12(2):135-43

Calcium paradox-evoked release of prostacyclin and immunoreactive leukotriene C4 from rat and guinea-pig hearts. Evidence that endogenous prostaglandins inhibit leukotriene biosynthesis. Karmazyn M. **J Mol Cell Cardiol** 1987 Mar;19(3):221-30

Role of prostaglandins in calcium-induced corticosteroid secretion by isolated frog interrenal gland. Lihrmann I, et al. **Prostaglandins** 1986 Jul;32(1):127-31

Effect of ionizing radiation on prostaglandins and gastric secretion in rhesus monkeys. Dubois A, et al. **Radiat Res** 1987 May;110(2):289-93

URINE

Determination of prostaglandin E2, prostaglandin F2 alpha and 6-oxo-prostaglandin F1 alpha in urine by gas chromatography/mass spectrometry and gas chromatography/tandem mass spectrometry: a comparison. Schweer H, et al. **Biomed Environ Mass Spectrom** 1986 Nov;13(11):611-9

Vaginal and abdominal delivery increases maternal urinary 6-keto-prostaglandin F1 alpha excretion. Ylikorkala O, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):950-4

Urinary 6-keto-prostaglandin F1a in patients with gynaecological tumours. Aitokallio-Tallberg A, et al. **Cancer Lett** 1987 Feb;34(2):201-6

Vascular sensitivity to prostaglandin I2 and urinary excretion of 6-keto-prostaglandin F1 alpha in conscious dogs. Jones RL, et al. **Clin Sci** 1986 Nov;71(5):527-32

6-Keto-prostaglandin F1 alpha is not added to urine during passage through the rat urinary bladder in vivo. Baer PG, et al. **Prostaglandins** 1986 Aug;32(2):311-6

Effects of 1 gram oral or intravenous aspirin on urinary excretion of thromboxane B2 and 6-keto-PGF1 alpha in healthy subjects. Bucchi F, et al. **Prostaglandins** 1986 Nov; 32(5):691-701

Different excretion pattern of urinary PGE2 and 6-keto-PGF1 alpha in two kidney-one clip Goldblatt rats. Lahera V, et al. **Prostaglandins Leukotrienes Med** 1986 Sep; 24(1):35-41

Urinary 6-keto-PGF1 alpha level in patients with childhood leukemia/lymphoma; a possible indicator of vascular damage. Morioka Y, et al. **Prostaglandins Leukotrienes Med** 1987 Jul;28(2):221-6

Dissociation and diurnal variation of prostaglandin E2 6-keto-prostaglandin-F1-alpha, and thromboxane B2 excretion in healthy females. Rubin PD, et al. **Prostaglandins Leukotrienes Med** 1987 May;27(2-3):105-17

Effects of low doses of aspirin, 10 mg and 30 mg daily, on bleeding time, thromboxane production and 6-keto-PGF1 alpha excretion in healthy subjects. Kallmann R, et al. **Thromb Res** 1987 Feb 15;45(4):355-61

KETOSES

CHEMICAL SYNTHESIS

Synthesis of diazomethyl beta-D-galactopyranosyl and beta-D-glucopyranosyl ketones. Potential affinity-labeling reagents for carbohydrate-binding proteins. Myers RW, et al. **Carbohydr Res** 1986 Sep 1;152:143-58

ISOLATION & PURIFICATION

Isolation of ketoses or nonreducing sugars from a sugar mixture containing aldoses by aniline treatment. Suyama K, et al. **Anal Biochem** 1987 May 1;162(2):325-9

KETOSIS see under **ACIDOSIS**

KETOSIS, DIABETIC see under **ACIDOSIS, DIABETIC**

KETOSTEROIDS

Fluorescence of 3-keto-steroids in aqueous solution. Probes for steroid-protein interactions. Kempfle M, et al. **Eur Biophys J** 1986;14(1):29-35

ANALYSIS

U.V. spectrophotometric determination of delta 4-3-ketosteroids using semicarbazide. Walash MI, et al. **Farmaco [Prat]** 1987 Mar;42(3):81-90

[Conformation of the dienone system of delta 4,9-19-nor-3-ketosteroids from x-ray analysis data and its relation to reception and hormonal activity] Kapul'skiĭ AE, et al. **Bioorg Khim** 1986 Oct;12(10):1414-21 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

[Separation and characterization by high pressure liquid chromatography of delta(4)-3-ketosteroids synthetized from 3H-pregnenolone by an ectopic adrenal tumor treated with ketoconazole] Ravanal M, et al. **Rev Med Chil** 1987 Feb;115(2):129-34 (Eng. Abstr.) **(Spa)**

17-KETOSTEROIDS

ANALYSIS

A one-step enzymatic assay for the measurement of 17 beta-hydroxy- and 17-oxo-steroid profiles in biological samples. Payne DW, et al. **J Steroid Biochem** 1986 Sep; 25(3):403-10

BIOSYNTHESIS

Equilin and equilenin biosynthesis. Stereochemistry of aromatization of 3-hydroxy-3,5,7-androstatrien-17-one by horse placenta. Numazawa M, et al. **J Steroid Biochem** 1987 Jan;26(1):137-43

SECRETION

[Endocrinological study of Sertoli-Leydig cell tumor] Haruyama Y, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1987 May; 39(5):765-70 (Eng. Abstr.) **(Jpn)**

URINE

Determination of 17-oxosteroid glucuronides and sulphates in urine by liquid chromatography using 2,4-dinitrophenylhydrazine as a prelabelling reagent for spectrophotometric detection. Kreutzmann DJ, et al.
J Chromatogr 1987 Apr 10;415(2):253-60

[Urinary steroid profile in Cushing syndrome and in tumors of the adrenal cortex] Homoki J, et al.
Klin Wochenschr 1987 Aug 3;65(15):719-26 (Eng. Abstr.) **(Ger)**

[Clinical and hormonal characteristics of the nonhirsute form of the sclerocystic ovary syndrome] Tsarikovskaia NG, et al. **Akush Ginekol (Mosk)** 1987 Mar;(3):41-4 (Eng. Abstr.) **(Rus)**

KETOSUCCINATES see **OXALOACETATES**

KETOTIFEN

ADVERSE EFFECTS

Non-interaction of ketotifen and theophylline in children with asthma--an acute study. Garty M, et al.
Eur J Clin Pharmacol 1987;32(2):187-9

Asthma therapy in children [letter] Vallance KB.
NZ Med J 1986 Oct 22;99(812):818-9

[Changes in the serum level of alkaline phosphatase after administration of ketotifen (letter)] Monteseirín FJ, et al.
Med Clin (Barc) 1986 Nov 15;87(16):692-3 **(Spa)**

BLOOD

The determination of pharmacokinetic parameters of ketotifen in steady state in young children.
Schmidt-Redemann B, et al.
Int J Clin Pharmacol Ther Toxicol 1986 Sep;24(9):496-8

METABOLISM

Species differences in metabolism of ketotifen in rat, rabbit and man: demonstration of similar pathways in vivo and in cultured hepatocytes. Le Bigot JF, et al. **Life Sci** 1987 Mar 2;40(9):883-90

PHARMACODYNAMICS

Potassium-induced histamine release from mast cells and its inhibition by ketotifen. Németh A, et al. **Agents Actions** 1987 Apr;20(3-4):149-52

Does regular treatment with ketotifen inhibit bronchoconstriction induced by isocapnic hyperventilation? Rafferty P, et al. **Br J Clin Pharmacol** 1987 Jul;24(1):100-2

The inhibitory effect of azelastine and ketotifen on histamine-induced bronchoconstriction in asthmatic patients. Magnussen H. **Chest** 1987 Jun;91(6):855-8

Protective effects of ketotifen on allergen-induced bronchoconstriction and skin weal. Tamura G, et al.
Clin Allergy 1986 Nov;16(6):535-41

Antagonism of picumast and ketotifen against histamine, acetylcholine, LTC4, slow-reacting substance of anaphylaxis and barium chloride in the guinea pig ileum bioassay. Wilhelms OH. **Int Arch Allergy Appl Immunol** 1987;82(3-4):544-6

Inhibition profiles of picumast and ketotifen on the in vitro release of prostanoids, slow-reacting substance of anaphylaxis, histamine and enzyme from human leukocytes and rat alveolar macrophages. Wilhelms OH.
Int Arch Allergy Appl Immunol 1987;82(3-4):547-9

Ketotifen increases cyclic adenosine 3',5'-monophosphate in intact human lymphocyte and potentiates other adenylate cyclase activating agents. Hui KK, et al. **Life Sci** 1987 Mar 30;40(13):1259-65

Ketotifen can antagonise changes in sensitivity of cerebral dopamine receptors: behavioural correlates in rodent and primate. Barnes JC, et al. **Neuropharmacology** 1987 Jul; 26(7A):693-700

Ketotifen and asthma [letter] Morley J, et al. **NZ Med J** 1986 Nov 12;99(813):864

[Potentiation of the bronchodilating effect of beta-adrenergic agonists in guinea pigs with ketotifen] Wei EQ.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1986 Aug;9(4):242-4, 256 (Eng. Abstr.) **(Chi)**

[Effect of prolonged administration of ketotifen on bronchial reactivity and the medication of asthma patients] Contreras G, et al. **Rev Med Chil** 1986 Jul;114(7):623-31 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Wheezy bronchitis: results of treatment with ketotifen. Cserháti EF, et al. **Allergol Immunopathol (Madr)** 1986 Nov-Dec;14(6):527-34

The effect of food on the bronchial response in adult asthmatic patients, and the protective role of ketotifen. Furlan J, et al. **Allergol Immunopathol (Madr)** 1987 Mar-Apr;15(2):73-81

Comparison of ketotifen and DSCG in treatment of food allergy in children. Osváth P, et al.
Allergol Immunopathol (Madr) 1986 Nov-Dec;14(6):515-8

Double-blind comparison of the protective effect of sodium cromoglycate and ketotifen on exercise-induced asthma in adults. Tan WC, et al. **Allergy** 1987 May;42(4):315-7

Ketotifen and methacholine-induced bronchospasm. Tjwa MK, et al. **Allergy** 1986 Nov;41(8):551-5

The use of ketotifen, a mast cell blocker, for treatment of oligo- and asthenozoospermia. Schill WB, et al.
Andrologia 1986 Nov-Dec;18(6):570-3

A comparison of the PD35-sGaw and PD20-FEV1 in assessment of the effect of oral anti-allergic compounds on the immediate asthmatic response to inhaled allergen. Ollier S, et al. **Ann Allergy** 1987 Aug;59(2):159-62

Mast-cell stabilization to decrease neurofibroma growth. Preliminary experience with ketotifen. Riccardi VM.
Arch Dermatol 1987 Aug;123(8):1011-6

Ketotifen treatment of adverse reactions to foods: clinical and immunological effects. Ciprandi G, et al.
Curr Med Res Opin 1986;10(5):346-50

Hypereosinophilic dermatitis with response to ketotifen and sulfone. Schmelás A, et al. **Dermatol Monatsschr** 1986; 172(7):397-402

A clinical trial of ketotifen in Indian extrinsic asthmatic adults. Kulpati DD, et al. **Indian J Chest Dis Allied Sci** 1986 Jan-Mar;28(1):41-5

Prophylactic treatment of childhood asthma. Castello D.
Int J Clin Pharmacol Res 1986;6(5):373-8

Long-term, placebo-controlled trial of ketotifen in the management of preschool children with asthma. Loftus BG, et al. **J Allergy Clin Immunol** 1987 Feb;79(2):350-5

Ketotifen in the treatment of infants and young children with wheezy bronchitis and bronchial asthma. el Hefny A, et al. **J Int Med Res** 1986;14(5):267-73

Childhood asthma, response to oral prophylaxis. Rehman GN, et al. **JPMA** 1986 Dec;36(12):295-9

Ketotifen use in infants with atopy with recurrent obturative bronchitis. Berek-Pyzik B. **Mater Med Pol** 1986 Apr-Jun; 18(2):101-3

A multicenter study with ketotifen (Zaditen). Burns RB.
New Engl Reg Allergy Proc 1985 Winter;6(1):78-83

Ketotifen and asthma [letter] Newhouse MT, et al.
NZ Med J 1986 Dec 10;99(815):958

Ketotifen and asthma [letter] Page CP. **NZ Med J** 1987 Feb 11;100(817):84-5

The effects of ascorbic acid and ketotifen in the prevention of murine amyloidosis. Yurdakök M, et al.
Turk J Pediatr 1986 Oct-Dec;28(4):243-8

[Therapeutic and preventive effect of ketotifen in bronchial asthma] Zhang HX, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Feb;26(2):90-2, 126 (Eng. Abstr.) **(Chi)**

[Clinical results of the treatment with ketotifen in asthmatic children in Zaire. Apropos of 36 cases followed at university clinics in Kinshasa (Zaire)] Disengomoka-Muamba I, et al. **Rev Pneumol Clin** 1987; 43(2):109-11 (Eng. Abstr.) **(Fre)**

[Experience with ketotifen in respiratory tract diseases] Wenz W, et al. **Allerg Immunol (Leipz)** 1986;32(3):215-22 (Eng. Abstr.) **(Ger)**

[Rhinitis pathology: our experience with ketotifen] Farri A, et al. **Clin Ter** 1987 Apr 15;121(1):45-9 (Eng. Abstr.) **(Ita)**

[Use of ketotifen in allergic bronchial asthma] Senna GE, et al. **Clin Ter** 1987 Mar 15;120(5):393-8 (Eng. Abstr.) **(Ita)**

[Zaditen in the treatment of children with allergies] Chmielewska D, et al. **Pediatr Pol** 1986 Sep;61(9):571-5 (Eng. Abstr.) **(Pol)**

[Clinical evaluation of zaditen in the treatment of recurrent obstructive bronchitis in young children] Martynowski A, et al. **Pediatr Pol** 1986 Apr;61(4):227-31 (Eng. Abstr.) **(Pol)**

[Clinical effectiveness and prospects for using zaditen (ketotifen) in the therapy of allergic dermatoses] Sergeev IuV, et al. **Vestn Dermatol Venerol** 1987;(4):52-5 (Eng. Abstr.) **(Rus)**

[Prevention of asthmatic crises using ketotifen] López de la Luna R, et al. **Alergia** 1986 Jul-Sep;33(3):69-73 (Eng. Abstr.) **(Spa)**

TOXICITY

PAF, ketotifen and asthma [letter] Morley J, et al.
NZ Med J 1987 Jan 28;100(816):27-8

KHELLIN

The mechanisms of interaction between furanochromones and DNA. A heteronuclear Overhauser effect study on the khellin-thymidine model system. Niccolai N, et al.
Biophys Chem 1986 Aug;24(3):217-20

ANALOGS & DERIVATIVES

The mechanisms of interaction between furanochromones and DNA. A heteronuclear Overhauser effect study on the khellin-thymidine model system. Niccolai N, et al.
Biophys Chem 1986 Aug;24(3):217-20

METABOLISM

[Vanadic oxidation of khellin. Study of its reactional mechanism] Hila JE, et al. **Ann Pharm Fr** 1986; 44(5):393-401 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Effect of benzopyrone derivatives on drug activity and metabolism. Kourounakis P, et al.
Eur J Drug Metab Pharmacokinet 1986 Oct-Dec; 11(4):269-73

KIDD BLOOD-GROUP SYSTEM see under **BLOOD GROUPS**

KIDNEY

see related
DIURESIS
NEPHRECTOMY

Evaluation of renal parenchyma in children by DMSA scintigraphy, X-ray computed tomography and intravenous urography. Kullendorff CM, et al.
Acta Paediatr Scand 1987 Mar;76(2):284-7

Ectopic renal tissue [letter] Heifetz SA.
Arch Pathol Lab Med 1987 Jan;111(1):7-8

Release of lactate dehydrogenase activity by rabbit renal cortex slices during storage in solutions used for kidney transplantation. Figueiredo JF, et al.
Braz J Med Biol Res 1986;19(2):303-9

Abstracts. American Society of Nephrology. December 7-10, 1986, Washington, DC. **Kidney Int** 1987 Jan;31(1):158-496

Subrenal capsule assay for squamous cell carcinoma of the head and neck. Stiernberg CM, et al.
Otolaryngol Head Neck Surg 1986 Sep;95(2):177-81

Renal pseudotumors caused by retained pararenal surgical sponges. Fiorelli C, et al. **Rays** 1985 Jan-Apr;10(1):49-52

Crossed renal ectopia without fusion associated with hypertension: case report with angiographic study. Marandola P, et al. **Rays** 1986 May-Aug;11(2):41-4

Activation of fibrinolysis during xenoperfusion. Jørgensen KA, et al. **Thromb Res** 1987 May 1;46(3):473-8

Effect of skin grafts on pancreatic islet cell allografts in the renal subcapsular space. Amiel J, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2368-71

[Calculation of the dimensions of a satellite screen approximating the shape of the kidney to be used for protecting the kidney during steady irradiation of the whole abdomen] Pilz U, et al. **Radiobiol Radiother (Berl)** 1987; 28(1):83-9 (Eng. Abstr.) **(Ger)**

[Percutaneous lithoextraction under nephroscopic control] Morozov AV, et al. **Urol Nefrol (Mosk)** 1987 Mar-Apr; (2):23-8 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Renal cell carcinoma originating from dysplastic kidney. Shirai M, et al. **Acta Pathol Jpn** 1986 Aug;36(8):1263-9

Ectopic thoracic kidney. Ogunbiyi OA.
Afr J Med Med Sci 1986 Sep-Oct;15(3-4):99-101

The duplex collecting system in girls with urinary tract infection: prevalence and significance. Bisset GS 3d, et al. **AJR** 1987 Mar;148(3):497-500

Giant cyst of the seminal vesicle with renal agenesis. Heaney JA, et al. **AJR** 1987 Jul;149(1):139-40

Multicystic dysplasia and crossed renal ectopia. Nussbaum AR, et al. **AJR** 1987 Aug;149(2):407-10

Multicystic dysplastic kidneys [letter] Bowen A.
Am J Dis Child 1987 Jun;141(6):602-3

Does a supernumerary nipple/renal field defect exist? Hersh JH, et al. **Am J Dis Child** 1987 Sep;141(9):989-91

Supernumerary nipples and renal anomalies in neonates. Kenney RD, et al. **Am J Dis Child** 1987 Sep;141(9):987-8

Renal-hepatic-pancreatic dysplasia: a syndrome reconsidered. Bernstein J, et al. **Am J Med Genet** 1987 Feb;26(2):391-403

Branchio-oto-renal syndrome: reduced penetrance and variable expressivity in four generations of a large kindred. Heimler A, et al. **Am J Med Genet** 1986 Sep;25(1):15-27

Dominantly inherited renal adysplasia. McPherson E, et al.
Am J Med Genet 1987 Apr;26(4):863-72

Vaginal atresia (von Mayer-Rokitansky-Küster or MRK anomaly) in hereditary renal adysplasia (HRA). Opitz JM.
Am J Med Genet 1987 Apr;26(4):873-6

Branchio-oto-renal syndrome: reduced penetrance and

variable expressivity in four generations of a large kindred [letter] Rollnick BR, et al. **Am J Med Genet** 1987 May; 27(1):233

Mosaic trisomy 7 and renal dysplasia. Verp MS, et al. **Am J Med Genet** 1987 Jan;26(1):139–43

Proteinuria, hypertension and renal failure in a patient with unilateral renal agenesis [clinical conference] Maschio G, et al. **Am J Nephrol** 1987;7(3):243–9

Recurrent bilateral renal agenesis. Sangal PR, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1078–9

The nonpredictive value of fetal urinary electrolytes: preliminary report of outcomes and correlations with pathologic diagnosis. Wilkins IA, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):694–8

Branchio-oto-renal dysplasia and branchio-oto dysplasia: report of eight new cases. Martini A, et al. **Am J Otol** 1987 Mar;8(2):116–22

The ectopic kidney in the emergency department. Connor JM, et al. **Ann Emerg Med** 1987 Jun;16(6):715–7

Unilateral renal agenesis associated with ipsilateral blind vagina. Acién P, et al. **Arch Gynecol** 1987;240(1):1–8

Familial renal abnormalities associated with the oligohydramnios tetrad secondary to renal agenesis and dysgenesis. Moore D, et al. **Aust Paediatr J** 1987 Apr; 23(2):137–41

Age-related deficiency of the synthesis of platelet activating factor by leukocytes from Zellweger patients. Sturk A, et al. **Blood** 1987 Aug;70(2):460–3

Ruptured abdominal aortic aneurysm with horseshoe kidney [letter] Proud G. **Br J Hosp Med** 1986 Nov;36(5):386

A case of adult polycystic and multicystic dysplastic kidney in a child. Gholkar A, et al. **Br J Radiol** 1985 Aug; 58(692):774–6

Skeletal anomalies associated with unilateral renal agenesis. Gupta NP, et al. **Br J Urol** 1987 Jan;59(1):15–6

Bilateral obstructed ectopic duplex ureter. Keane T, et al. **Br J Urol** 1987 Jul;60(1):82–3

Transitional cell carcinoma in a solitary, giant hydronephrotic kidney. Livne PM, et al. **Br J Urol** 1986 Dec;58(6):727–8

Primary renal actinomycosis in the presence of horseshoe kidney. McGibney D, et al. **Br J Urol** 1986 Oct;58(5):566

Giant hydronephrosis in a pelvic kidney. McGlinchey J, et al. **Br J Urol** 1986 Oct;58(5):558–9

Abdominal trauma and the pelvic kidney. Meyerson M, et al. **Br J Urol** 1986 Dec;58(6):728–30

Horseshoe kidney in children. Wilson C, et al. **Br J Urol** 1986 Aug;58(4):361–3

Age-related accumulation of phytanic acid in plasma from patients with the cerebro-hepato-renal (Zellweger) syndrome. Wanders RJ, et al. **Clin Chim Acta** 1987 Jun 30;166(1):45–56

Ectopic supernumerary kidney. Functional assessment using radionuclide imaging. Conrad GR, et al. **Clin Nucl Med** 1987 Apr;12(4):233–7

Horseshoe kidney simulation by paraaortic metastases from a testicular tumor. Gray HW. **Clin Nucl Med** 1987 Jan; 12(1):75–6

A primary kidney abnormality in essential hypertension. Cusi D, et al. **Contrib Nephrol** 1987;54:1–8

The pattern of congenital renal anomalies associated with neural-tube defects. Hunt GM, et al. **Dev Med Child Neurol** 1987 Feb;29(1):91–5

The BOR syndrome as a possible neurocristopathy. Gimsing S. **Ear Nose Throat J** 1987 Apr;66(4):154–8

Bilateral renal agenesis (Potter's syndrome) in two consecutive infants. Loendersloot EW, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Jun;8(3):137–42

Congenital anterior urethral diverticulum associated with bilateral ureteroceles and dysplastic kidneys. Sirota L, et al. **Helv Paediatr Acta** 1986 Oct;41(4):353–7

Hexachlorobenzene-induced renal maldevelopment in CD-1 mice and CD rats. Andrews JE, et al. **IARC Sci Publ** 1986; (77):381–91

Injury to horseshoe kidneys—an unusual event? Ebbs SR, et al. **Injury** 1986 Nov;17(6):414

Crossed renal ectopia and asymmetric fused kidney, with special reference to associated vertebral anomalies. Gotoh T, et al. **Int Urol Nephrol** 1987;19(1):33–40

Screening the familial accumulation of kidney malposition and malrotation. Lantos I, et al. **Int Urol Nephrol** 1987; 19(1):41–8

Renal ectopia in a dog and a cat. Kaufmann ML, et al. **J Am Vet Med Assoc** 1987 Jan 1;190(1):73–7

Adult polycystic horseshoe kidney. Dobranowski J, et al. **J Can Assoc Radiol** 1986 Sep;37(3):208–9

Supernumerary kidney: typical and atypical features. Macpherson RI. **J Can Assoc Radiol** 1987 Jun;38(2):116–9

Computed tomography finding in Mayer-Rokitansky-Kuster-Hauser syndrome associated with endometriosis: a case report. Mahboubi S, et al. **J Comput Tomogr** 1987 Jul;11(3):301–2

Association of supernumerary nipples with renal anomalies. Meggyessy V, et al. **J Pediatr** 1987 Sep;111(3):412–3

Coexistent renal, müllerian and alimentary tract developmental defects. A case report. Letterie GS, et al. **J Reprod Med** 1987 Feb;32(2):153–6

Uterus didelphys with unilateral hematocolpos, ipsilateral renal agenesis and menses. A case report and literature review. Morgan MA, et al. **J Reprod Med** 1987 Jan; 32(1):47–58

Antenatal diagnosis of fetal pelvic kidneys. Hill LM, et al. **J Ultrasound Med** 1987 Jul;6(7):393–6

Renal malposition in patients with omphalocele. Aliotta PJ, et al. **J Urol** 1987 May;137(5):942–4

Simple ectopia of the kidney in monozygotic twins. Fanizza-Orphanos A, et al. **J Urol** 1987 Apr;137(4):706

The abnormal renal axis in children with spina bifida and gibbus deformity—the pseudohorseshoe kidney. Fernbach SK, et al. **J Urol** 1986 Dec;136(6):1258–60

Retroiliac ureter with contralateral transverse malrotation of kidney: treated by crossed ureterocaliceal anastomosis. Gupta NP, et al. **J Urol** 1987 Jul;138(1):118–9

A fetal case of partial trisomy 6q(q21-qter) with renal dysplasia. Miyabara S, et al. **Jinrui Idengaku Zasshi** 1986 Jun;31(2):93–9

Abdominal aortic surgery & horseshoe kidney. Hardin CA. **Kans Med** 1986 Oct;87(10):274–5, 290

The MURCS association. Clinical, radiological, endocrinological and familial data in a 40-year old patient. Lo Iudice G, et al. **Minerva Endocrinol** 1986 Jul-Sep; 11(3):205–9

Hepatic and renal involvement in malformation syndromes. Bernstein J. **Mt Sinai J Med (NY)** 1986 Jun;53(6):421–8

Use of horseshoe kidneys for transplantation. Vromen MA, et al. **Neth J Surg** 1986 Dec;38(6):183–6

Syndrome of genital, renal, and middle ear anomalies: a third family and report of a pregnancy. King LA, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):491–3

Retinal neovascularization in Potter's syndrome secondary to renal agenesis. Adkins DH, et al. **Ophthalmic Paediatr Genet** 1986 Aug;7(2):85–9

The dilemma of intrauterine diagnosis of congenital renal disease. Grupe WE. **Pediatr Clin North Am** 1987 Jun; 34(3):629–38 (57 ref.)

Diffuse meningocerebral angiodysplasia and renal agenesis: a case report. Valdivieso EM, et al. **Pediatr Pathol** 1986; 6(1):119–26

Development of the hypodysplastic kidney: contribution of antenatal US diagnosis. Avni EF, et al. **Radiology** 1987 Jul;164(1):123–5

Obstruction of the upper-pole moiety in renal duplication in adults: CT evaluation. Cronan JJ, et al. **Radiology** 1986 Oct;161(1):17–21

Multicystic dysplastic kidney: observations of contralateral disease in the fetal population. Kleiner B, et al. **Radiology** 1986 Oct;161(1):27–9

Multicystic dysplastic kidneys: spontaneous regression demonstrated with US. Pedicelli G, et al. **Radiology** 1986 Oct;161(1):23–6

Unilateral renal agenesia in the angiographic material and renovascular hypertension. Stojanov D, et al. **Rontgenblatter** 1987 Jun;40(6):179–81

Kallmann's syndrome with unilateral renal agenesis. A case report. Honiball S, et al. **S Afr Med J** 1986 Oct 11; 70(8):489–91

Oligohydramnios sequence (Potter's syndrome): case clustering in northeastern Tennessee. Prouty LA, et al. **South Med J** 1987 May;80(5):585–92

TCDD alters the extracellular matrix and basal lamina of the fetal mouse kidney. Abbott BD, et al. **Teratology** 1987 Jun;35(3):335–44

Combined renal and pyelic fusion with crossed ectopia of single ureter. Aragona F, et al. **Urology** 1986 Oct; 28(4):339–41

Extracorporeal shock-wave lithotripsy (ESWL) of pelvic kidney calculus. Use of C-arm fluoroscopy for correct patient positioning. Bush WH, et al. **Urology** 1987 Apr; 29(4):357–60

Seminal vesicle cyst and ipsilateral renal agenesis. Denes FT, et al. **Urology** 1986 Oct;28(4):313–5

Percutaneous nephrolithotripsy in horseshoe kidney [letter] Dittrich A, et al. **Urology** 1987 Jan;29(1):115–6

Medullary sponge disease in horseshoe kidney. Lambrianides AL, et al. **Urology** 1987 Apr;29(4):426–7

Aplasia of major pectoral muscle combined with renal aplasia and cystic malformation of common iliac vein. Qvist N, et al. **Urology** 1987 Apr;29(4):434–5

Removal of ureteral stone from patient with cross-trigonal ureteral reimplantation. Rich M, et al. **Urology** 1987 Aug; 30(2):133–5

Severe hypertension in infant with unilateral hypoplastic kidney. Tokunaka S, et al. **Urology** 1987 Jun;29(6):618–20

Radical cystectomy in presence of fused "cake" kidney. Vaughn W, et al. **Urology** 1987 May;29(5):552–4

Ectopic ureter opening into seminal vesicle cyst associated with ipsilateral renal agenesis. Zaontz MR, et al. **Urology** 1987 May;29(5):523–5

Microscopic features of canine renal dysplasia. Picut CA, et al. **Vet Pathol** 1987 Mar;24(2):156–63

Feline kidney abnormality [letter] Kimm JA. **Vet Rec** 1987 Mar 28;120(13):310

[Intrathoracic renal dystopia] Dimitrakov D. **Vutr Boles** 1986; 25(6):91–5 **(Bul)**

[Arterial hypertension and unilateral small kidney] Vincent JP, et al. **Ann Med Interne (Paris)** 1986;137(7):539–42 (Eng. Abstr.) **(Fre)**

[Ring chromosome 22 associated with right polycystic kidney and a left junction syndrome] Lassen C, et al. **Ann Pediatr (Paris)** 1987 Jun;34(6):451–2 **(Fre)**

[Polycystic renal dysplasia in children] Audry G, et al. **Ann Urol (Paris)** 1987;21(2):95–7 (Eng. Abstr.) **(Fre)**

[Infected cystic malformations of a seminal vesicle with ipsilateral uretero-renal agenesis. Description and discussion of the surgical approach] Desgrez JP. **Ann Urol (Paris)** 1986;20(6):411–5 (Eng. Abstr.) **(Fre)**

[Aneurysm of the abdominal aorta and horseshoe kidney. Apropos of a case and review of the literature] Van Damme H, et al. **J Mal Vasc** 1987;12(3):241–5 (Eng. Abstr.) **(Fre)**

[Unilateral menstrual retention with renal homolateral agenesis (apropos of 6 cases)] Chelli H, et al. **Tunis Med** 1986 Aug-Sep;64(8-9):715–20 (Eng. Abstr.) **(Fre)**

[Renofacial dysplasia, an analysis of 14 cases] Thümmler C, et al. **Kinderarztl Prax** 1986 Sep;54(9):521–6 (Eng. Abstr.) **(Ger)**

[Solitary kidney and pregnancy] Kremling H. **Med Klin** 1986 Oct 3;81(20):647–9 **(Ger)**

[An anesthesia episode in a suckling pig] Koch W. **Schweiz Arch Tierheilkd** 1986 Nov;128(11):609–10 **(Ger)**

[Unilateral external ectopia of the male monoureter] Rabe F, et al. **Z Urol Nephrol** 1986 Sep;79(9):527–30 (Eng. Abstr.) **(Ger)**

[Percutaneous nephrolithotomy and ultrasonic lithotripsy in patients with horseshoe kidney (analysis of 4 cases)] Holman E, et al. **Orv Hetil** 1986 Dec 7;127(49):2989–91 (Eng. Abstr.) **(Hun)**

[Simultaneous occurrence of supernumerary nipples and urinary tract abnormalities in children] Meggyessy V. **Orv Hetil** 1987 Jan 18;128(3):153–4 (Eng. Abstr.) **(Hun)**

[Ring chromosome 22. Description of a clinical case] Pizzi E, et al. **Minerva Pediatr** 1987 Jun 30;39(11-12):525–9 (Eng. Abstr.) **(Ita)**

[Genito-urinary malformations in a regional survey in Emilia Romagna] Magnani C, et al. **Pediatr Med Chir** 1986 Mar-Apr;8(2):255–8 (Eng. Abstr.) **(Ita)**

[A case of solitary pelvic kidney with vesicoureteral reflux and neurogenic bladder dysfunction] Takiuchi H, et al. **Hinyokika Kiyo** 1987 Jan;33(1):75–8 (Eng. Abstr.) **(Jpn)**

[High ectopic kidney: a case report] Kitahara M. **Rinsho Hoshasen** 1986 Nov;31(12):1469–72 (Eng. Abstr.) **(Jpn)**

[Horseshoe kidney and abdominal aortic aneurysm] Moer A, et al. **Tidsskr Nor Laegeforen** 1987 Feb 28;107(6):540–1 **(Nor)**

[Clinical course of chronic renal failure in children with urinary tract defects treated surgically] Berny U, et al. **Wiad Lek** 1986 May 15;39(10):663–8 (Eng. Abstr.) **(Pol)**

[Surgical tactics in ureterocele of a double kidney in children] Korol'kova IA, et al. **Sov Med** 1986;(12):94–6 **(Rus)**

[Combined abnormalities of the seminal vesicles and the kidneys] Kamyshan IS, et al. **Urol Nefrol (Mosk)** 1986 Sep-Oct;(5):59–60 **(Rus)**

[Asymptomatic urinary system defects in the parents of children with renal agenesis] Korotkova IA, et al. **Urol Nefrol (Mosk)** 1986 Jul-Aug;(4):65–6 **(Rus)**

[Characteristics of urinary enzymes in patients with dysembryogenesis of renal tissue] Mishchenko BP, et al. **Urol Nefrol (Mosk)** 1986 Sep-Oct;(5):36–9 (Eng. Abstr.) **(Rus)**

[The solitary kidney in children] Trapeznikova MF, et al. **Urol Nefrol (Mosk)** 1987 Mar-Apr;(2):57–64 (171 ref.) **(Rus)**

[Diagnostic errors and differential diagnosis of kidney abnormalities and surgical diseases of the organs of the abdominal cavity] Shimkus EM, et al. **Vestn Khir** 1986 Nov; 137(11):112–5 **(Rus)**

[Cranially blind ureter with agenesis of the kidney] Palao Yago F, et al. **Actas Urol Esp** 1987 Mar-Apr;11(2):236–9 (Eng. Abstr.) **(Spa)**

[Surgery of the aorto-iliac region in patients with congenital renal abnormalities] de Frutos JL, et al. **Angiologia** 1987 Mar-Apr;39(2):59–68 **(Spa)**

[Carcinoma in a solitary and bilateral kidneys. Our experience with 8 cases] Pereyra Bonasso J, et al. **Arch Esp Urol** 1986 Sep;39(7):484–96 (Eng. Abstr.) **(Spa)**

[Pararenal pseudocyst in an ectopic kidney] Zubiaur Llbano C, et al. **Arch Esp Urol** 1987 Apr;40(3):201–3 (Eng. Abstr.) **(Spa)**

[Kidney transplant in a case of multiple venous abnormalities and bilateral renal hypoplasia] Orozco-Sánchez J, et al. **Bol Med Hosp Infant Mex** 1987 Jan;44(1):45–50 (Eng. Abstr.) **(Spa)**

[Noonan's syndrome with a multiple nephro-urologic disorder (letter)] Calero Fresneda M, et al. **Med Clin (Barc)** 1987 Apr 18;88(15):610–1 **(Spa)**

ANALYSIS

Disseminated intravascular coagulation (DIC). Immunohistochemical study of fibrin-related materials (FRMs) in renal tissues. Kawasaki H, et al. **Acta Pathol Jpn** 1987 Jan;37(1):77–84

Detection of ochratoxin A in porcine kidneys by a monoclonal antibody-based radioimmunoassay. Rousseau DM, et al. **Appl Environ Microbiol** 1987 Mar;53(3):514–8

Purification and characterization of fatty acid-binding protein from rat kidney. Fujii S, et al. **Arch Biochem Biophys** 1987 May 1;254(2):552–8

Metallothionein levels in liver and kidney of Canadians—a potential indicator of environmental exposure to cadmium. Chung J, et al. **Arch Environ Health** 1986 Sep-Oct; 41(5):319–23

Fine anionic iron colloid and its use in light and electron microscopic detection of cationic sites in the rat kidney. Ohtsuka A, et al. **Arch Histol Jpn** 1986 Dec;49(5):543–52

Antithrombin III mRNA in adult rat liver and kidney and in rat liver during development. D'Souza SE, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):417–21

Screening, confirmation, and quantification of sulphonamide residues in pig kidney by tandem mass spectrometry of crude extracts. Finlay EM, et al. **Biomed Environ Mass Spectrom** 1986 Nov;13(11):633–9

Fluorescence polarization spectroscopy and time–resolved fluorescence kinetics of native cancerous and normal rat kidney tissues. Tata DB, et al. **Biophys J** 1986 Sep; 50(3):463–9

Tissue distribution of rat S–100 alpha and beta subunit mRNAs. Kuwano R, et al. **Brain Res** 1987 Apr; 388(1):79–82

Purification of S–100a0 protein from rat kidney. Semba R, et al. **Brain Res** 1987 Jan 13;401(1):9–13

Measurement of phthalates in small samples of mammalian tissue. Acott PD, et al. **Bull Environ Contam Toxicol** 1987 Mar;38(3):363–8

Effect of chronic cadmium administration on liver and kidney concentrations of zinc, copper, iron, manganese, and chromium. Friel JK, et al. **Bull Environ Contam Toxicol** 1987 Apr;38(4):588–93

Localization of estrogen–induced DNA adducts and cytochrome P–450 activity at the site of renal carcinogenesis in the hamster kidney. Liehr JG, et al. **Cancer Res** 1987 Apr 15;47(8):2156–9

Biochemical properties of epidermal growth factor in the mouse kidney. Kashimata M, et al. **Comp Biochem Physiol [B]** 1987;86(4):651–3

Labeling of cholesterol with filipin in cellular membranes of parenchymatous organs. Standardization of incubation conditions. Ginsbach C, et al. **Histochemistry** 1987; 86(3):241–8

Immunohistochemical localization of epidermal growth factor in rat and man. Poulsen SS, et al. **Histochemistry** 1986;85(5):389–94

The fate of prorenin during granulopoiesis in epithelioid cells. Immunocytochemical experiments with antisera against renin and different portions of the renin prosegment. Taugner R, et al. **Histochemistry** 1987;86(3):249–53

The distribution of cytokeratin antigens in the kidney and in renal tumours. Fleming S, et al. **Histopathology** 1987 Feb;11(2):157–70

Cadmium concentrations in human kidneys from the UK. Scott R, et al. **Hum Toxicol** 1987 Mar;6(2):111–20

Partial characterization of a renin–releasing factor from plasma and hypothalamus. Van de Kar LD, et al. **Hypertension** 1987 Jun;9(6):598–606

Reducing the effect of chemiluminescence on the efficiency of extracting 14C–neomycin from fortified kidney tissue as measured by a liquid scintillation system. Gridley JC, et al. **Int J Rad Appl Instrum [B]** 1986;13(1):57–61

The ontogeny of renal alpha 1– and alpha 2–adrenoceptors in the Dahl rat model of experimental hypertension. McCaughran JA Jr, et al. **J Auton Nerv Syst** 1986 Sep; 17(1):1–20

A new extended globoglycolipid carrying the stage specific embryonic antigen–1 (SSEA–1) determinant in mouse kidney. Sekine M, et al. **J Biochem (Tokyo)** 1987 Mar; 101(3):553–62

Genetic control of the expression of two extended globoglycolipids carrying either the stage specific embryonic antigen–1 or –3 determinant in mouse kidney. Sekine M, et al. **J Biochem (Tokyo)** 1987 Mar;101(3):563–8

The epithelial sodium channel. Subunit number and location of the amiloride binding site. Benos DJ, et al. **J Biol Chem** 1987 Aug 5;262(22):10613–8

Identification and purification of a kidney membrane protein which specifically binds the amino–terminal domain of native parathyroid hormone. Chuang J, et al. **J Biol Chem** 1987 Aug 5;262(22):10760–6

Identification of histidyl and thiol groups at the active site of rabbit renal dipeptide transporter. Miyamoto Y, et al. **J Biol Chem** 1986 Dec 5;261(34):16133–40

Autoradiographic localization of binding sites for oxytocin and vasopressin in the rat kidney. Stoeckel ME, et al. **J Endocrinol** 1987 May;113(2):179–82

Vanadium levels in human kidney at autopsy. Corder CN. **J Environ Pathol Toxicol Oncol** 1986 May–Aug;6(5–6):61–5

Immunocytochemical localization of nerve growth factor in mouse kidney. Salido EC, et al. **J Neurosci Res** 1986; 16(3):457–65

Preservation of "peripheral" benzodiazepine receptors: differential effects of freezing on [3H]Ro 5–4864 and [3H]PK 11195 binding. Basile AS, et al. **J Pharmacol Methods** 1987 Apr;17(2):149–56

Superiority of the power function over exponential functions for prediction of renal gentamicin residues in sheep. Brown SA, et al. **J Vet Pharmacol Ther** 1986 Sep;9(3):341–6

In vitro evidence from tissue cultures to prove existence of rabbit and human renotropic growth factor. Yamamoto N, et al. **Kidney Int** 1983 Apr;23(4):624–31

Intrarenal and intracellular distribution of renin and angiotensin. Hackenthal E, et al. **Kidney Int [Suppl]** 1987 May;20:S4–17 (56 ref.)

Localization of angiotensin II receptors in rat and monkey kidney by in vitro autoradiography. Mendelsohn FA, et al. **Kidney Int [Suppl]** 1987 May;20:S40–4

Samoyed hereditary glomerulopathy. Immunohistochemical staining of basement membranes of kidney for laminin, collagen type IV, fibronectin, and Goodpasture antigen, and correlation with electron microscopy of glomerular capillary basement membranes. Thorner P, et al. **Lab Invest** 1987 Apr;56(4):435–43

Determination of renal molar concentrations of phosphorus–containing metabolites in vivo using 31P NMR. Shine NR, et al. **Magn Reson Med** 1987 Mar; 4(3):244–51

Lead–associated protein in kidney and brain. **Nutr Rev** 1986 Oct;44(10):347–8

Purification and characterization of the amiloride–sensitive sodium channel from A6 cultured cells and bovine renal papilla. Benos DJ, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8525–9

Proton magnetic resonance in experimental acute and chronic renal failure in rats. Abrashkin S, et al. **Ren Fail** 1987; 10(1):21–7

In vitro macro– and micro–autoradiographic localization of atrial natriuretic peptide in the rat kidney. Yamamoto I, et al. **Res Commun Chem Pathol Pharmacol** 1987 May; 56(2):185–98

Improved maintenance of adenosine triphosphate in five–day perfused kidneys with adenine and ribose. McAnulty JF, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1376–9

Cyclosporine metabolites in human blood and renal tissue. Rosano TG, et al. **Transplant Proc** 1986 Dec;18(6 Suppl 5):35–40

[Levels of DNA, RNA, protein and non–protein N in tissues of normally developed piglets and straddling piglets of very different birth weights. 2. Results of analyses of heart, lung, liver and kidney] Hillert S, et al. **Arch Exp Veterinarmed** 1987 Jan;41(1):78–89 (Eng. Abstr.) **(Ger)**

[Determination and assessment of the content of lead, cadmium and mercury in hair, nails and organs of persons in clean and polluted areas] Schweinsberg F, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1987;71:91–100 **(Ger)**

[Pentachlorophenol concentrations in the organs and blood of 11 dead infants] Grimm HG, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Jul; 182(4):348–51 (Eng. Abstr.) **(Ger)**

[Studies of human renal adrenergic receptors] Shigetomi S, et al. **Nippon Jinzo Gakkai Shi** 1986 Aug;28(8):1145–9 (Eng. Abstr.) **(Jpn)**

[Copper–binding proteins in liver, kidney and brain tissue from a Wilson's disease patient] Sato M, et al. **No To Shinkei** 1986 Oct;38(10):933–41 (Eng. Abstr.) **(Jpn)**

[Comparative study of the effect of chloditan on the concentration of cytochrome P–450 and adrenodoxin in various organs of the dog and rat] Kandul SV, et al. **Fiziol Zh** 1986 Sep–Oct;32(5):579–84 (Eng. Abstr.) **(Rus)**

[Experimental evaluation of the efficacy of tissue plasminogen activator] Paradeeva IK, et al. **Gematol Transfuziol** 1987 May;32(5):28–31 (Eng. Abstr.) **(Rus)**

[Features of inter–organ glutathione metabolism in rats provided with different amounts of protein and methionine] Bondarev GI, et al. **Vopr Pitan** 1987 Mar–Apr;(2):44–8 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation in the tissues of animals as an index of the biological aggressiveness of welding aerosols] Geleskul IuF, et al. **Vrach Delo** 1987 Jun;(6):108–10 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Feline renal ultrasonography: quantitative analyses of imaged anatomy. Walter PA, et al. **Am J Vet Res** 1987 Apr; 48(4):596–9

Renal ultrasonography in healthy cats. Walter PA, et al. **Am J Vet Res** 1987 Apr;48(4):600–7

Contrast ultrasonography of the kidney: a new method for evaluation of renal perfusion in vivo. Lang RM, et al. **Circulation** 1987 Jan;75(1):229–34

Renal morphology and function before and after shock wave lithotripsy at 1.5 T with gadolinium–DTPA. Foerster EC, et al. **Contrib Nephrol** 1987;56:135–40

Fast low–angle shot NMR. Matthaei D, et al. **Contrib Nephrol** 1987;56:141–5

Relationships between measurements of the renal pelvis and kidney in domestic sheep. Mierzwa A, et al. **Folia Morphol (Warsz)** 1986;45(3):236–46

The variable anteroposterior position of the retroperitoneal colon to the kidneys. Hopper KD, et al. **Invest Radiol** 1987 Apr;22(4):298–302

A periarterial pathway for intrarenal distribution of renin. Kriz W. **Kidney Int [Suppl]** 1987 May;20:S51–6

Disposition of the collagen bundles and reticular network in the rat renal capsule: architectural properties and their functional significance. Maros TN, et al. **Morphol Embryol (Bucur)** 1986 Oct–Dec;32(4):231–9

Kidney dimensions in ultrasound compared to somatometric parameters in normal children. Dremsek PA, et al. **Pediatr Radiol** 1987;17(4):285–90

Sonographic renal parameters as related to age. Vade A, et al. **Pediatr Radiol** 1987;17(3):212–5

Perirenal spaces: CT evidence for communication across the midline. Kneeland JB, et al. **Radiology** 1987 Sep; 164(3):657–64

Normal standards for kidney length in premature infants: determination with US. Work in progress. Schlesinger AE, et al. **Radiology** 1987 Jul;164(1):127–9

Metal chelates as urographic contrast agents for magnetic resonance imaging. A comparative study. Marotti M, et al. **ROFO** 1987 Jan;146(1):89–93

The anatomical basis for retrorenal extensions of pancreatic effusions: the role of the renal fasciae. Marks SC Jr, et al. **Surg Radiol Anat** 1986;8(2):89–97

Ultrasound of the normal kidney: a sonographic, anatomic and histologic correlation. Marchal G, et al. **Ultrasound Med Biol** 1986 Dec;12(12):999–1009

Magnetic resonance imaging of the kidney. Papanicolaou N, et al. **Urol Radiol** 1986;8(3):139–50 (30 ref.)

Structure and function of the melano–macrophage centres of the goldfish Carassius auratus. Herráez MP, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):117–26

[Basement membrane of the human kidney during development and in cystic diseases] Birembaut P, et al. **Arch Anat Cytol Pathol** 1986;34(4):209–14 (Eng. Abstr.) **(Fre)**

[Magnetic resonance tomography of the kidneys: comparison with anatomic correlates] Zilch HG, et al. **ROFO** 1986 Sep;145(3):250–6 (Eng. Abstr.) **(Ger)**

[Fine structure of the kidney in MR. 1st report on an optimized measurement technic] Zilch HG. **Rontgenpraxis** 1986 Nov;39(11):378–80 **(Ger)**

[Studies on normal renal weight and size in Japanese] Hida M, et al. **Nippon Jinzo Gakkai Shi** 1986 Oct;28(10):1393–7 (Eng. Abstr.) **(Jpn)**

[Various structural aspects of the functional transformation of the kidneys during adaptation to fasting] Gontmakher VM, et al. **Arkh Anat Gistol Embriol** 1986 Dec;91(12):90–4 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Lack of casual relationship between medullary blood congestion and tubular necrosis in postischaemic kidney damage. Andersson G, et al. **Acta Physiol Scand** 1987 Jul; 130(3):429–32

Superoxide radicals (SR) in the pathophysiology of ischemic acute renal failure (ARF). Faedda R, et al. **Adv Exp Med Biol** 1987;212:69–74

Renal hemodynamic effects of calcium antagonists. Loutzenhiser RD, et al. **Am J Med** 1987 Mar 30; 82(3B):23–8 (21 ref.)

Low fractional excretion of sodium in acute renal failure: role of timing of the test and ischemia. Brosius FC, et al. **Am J Nephrol** 1986;6(6):450–7

Noninvasive Doppler assessment of human postprandial renal blood flow and cardiac output. Avasthi PS, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1167–74

Renal pressor reflex: involvement of sympathetic vasoconstrictor mechanisms. Faber JE, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):H1147–58

Resetting of renal blood flow autoregulation in spontaneously hypertensive rats. Iversen BM, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F480–6

Effect of atrial natriuretic peptide on vasa recta blood flow in the rat. Kiberd BA, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1112–7

Renal hemodynamic, fluid volume, and arterial pressure changes during hyperproteinemia. Manning RD Jr. **Am J Physiol** 1987 Mar;252(3 Pt 2):F403–11

Effects of dopamine in the renal vascular bed of fetal, newborn, and adult sheep. Nakamura KT, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):R490–7

Comparison of effects of ATP–MgCl2 and adenosine–MgCl2 on renal function following ischemia. Sumpio BE, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R388–93

Role of the liver in renal hemodynamic response to amino acid infusion. Woods LL, et al. **Am J Physiol** 1987 Jun; 252(6 Pt 2):F981–5

Vasodilator prostaglandins (PG) prevent renal damage after ischemia. Kaufman RP Jr, et al. **Ann Surg** 1987 Feb; 205(2):195–8

Dextrose administration exacerbates acute renal ischemic damage in anesthetized dogs. Moursi M, et al. **Arch Surg** 1987 Jul;122(7):790–4

Transitional cell tumors of the renal pelvis and ureter associated with capillarosclerosis indicating analgesic abuse. Palvio DH, et al. **Cancer** 1987 Mar 1;59(5):972–6

Delay in renal perfusion due to elongated vascular graft. Ginsberg F, et al. **Clin Nucl Med** 1987 Mar;12(3):233–4

Unilateral renal ischaemia in the rat: effect of method of occlusion of the blood supply on function of ipsilateral and contralateral kidneys. Ferwana OS, et al. **Clin Sci** 1987 Jul;73(1):11–7

Kidney protection by pretreatment with free radical scavengers and allopurinol: renal function at recirculation after warm ischaemia in rabbits. Hansson R, et al. **Clin Sci** 1986 Sep;71(3):245–51

Results of ERBF and ERPF measurements in healthy dogs with two new radiopharmaceutical principles. de Jong R, et al. **Contrib Nephrol** 1987;56:49–52

Renal functional changes after converting enzyme inhibition or nitroprusside in hypertensive rats. Lee HB, et al. **Contrib Nephrol** 1987;56:87–94

Captopril challenge with radionuclide assessment in two–kidney and one–kidney Goldblatt hypertension. Nally JV Jr, et al. **Contrib Nephrol** 1987;56:104–10

Noninvasive measurement of renal blood flow using DTPA. Peters AM, et al. **Contrib Nephrol** 1987;56:26–30

31P nuclear magnetic resonance in the investigation of renal ischemia during hypotension. Ratcliffe PJ, et al.

Contrib Nephrol 1987;56:152–8

Metabolic control of kidney hemodynamics in normal and insulin-dependent diabetic subjects. Effects of acetoacetic, lactic, and acetic acids. Trevisan R, et al. **Diabetes** 1987 Sep;36(9):1073–81

Comparison of the protective effects by human and bovine superoxide dismutase against ischemia- and reperfusion-induced impairment of kidney function in anesthetized rats. Schneider J, et al. **Free Radic Biol Med** 1987;3(1):21–6

Platelet activating factor vasoconstriction of dog kidney. Inhibition by alprazolam. Baer PG, et al. **Hypertension** 1987 Mar;9(3):253–60

Morphology of regressive changes in the kidney following experimental ischaemia. Fortyn K, et al. **Int Urol Nephrol** 1987;19(1):9–19

Protective effect of verapamil on ischaemic renal injury in dogs. Sobh MA, et al. **Int Urol Nephrol** 1987;19(1):21–6

Edema and the lack of blood perfusion produce opposite effects on the magnetic resonance characteristics of acutely ischemic rat kidneys. Terrier F, et al. **Invest Radiol** 1987 Feb;22(2):118–25

Clinical and morphological severity of renal involvement in systemic necrotising vasculitides. Bhuyan UN, et al. **J Assoc Physicians India** 1987 Mar;35(3):213–7

Pharmacological characterization of neuronal dopamine receptors in the rat hindquarters, renal and superior mesenteric vascular beds. Dupont AG, et al. **J Auton Pharmacol** 1986 Dec;6(4):305–9

Effects of K-351 on adrenergically induced renin release and renal vasoconstriction in anesthetized dogs. Hisa H, et al. **J Cardiovasc Pharmacol** 1987 Jan;9(1):1–5

In vitro and in vivo protective effect of atriopeptin III on ischemic acute renal failure. Nakamoto M, et al. **J Clin Invest** 1987 Sep;80(3):698–705

Free-radical-mediated postischemic reperfusion injury in the kidney. Ratych RE, et al. **J Free Radic Biol Med** 1986; 2(5–6):311–9 (34 ref.)

The nonspecific sonographic nature of a chronic renal infarct. Bluth EI, et al. **J La State Med Soc** 1987 Apr;139(4):36–8

In vivo assessment of rat renal alpha adrenoceptors. Wolff DW, et al. **J Pharmacol Exp Ther** 1987 May;241(2):472–6

Naloxone in renal ischemia: a functional and microanatomical study. Elkadi HK, et al. **J Surg Res** 1987 Jun;42(6):675–92

Immunology of pyelonephritis. VIII. E. coli causes granulocytic aggregation and renal ischemia. Kaack MB, et al. **J Urol** 1986 Nov;136(5):1117–22

Segmental renal artery infarction: a case report with computerized tomography scan and angiographic correlation. Mitchell W, et al. **J Urol** 1987 Jan;137(1):93–4

Congenital renal arteriovenous malformations. Regan JB, et al. **J Urol** 1986 Dec;136(6):1184–6

Renal revascularization in patients with a single functioning ischemic kidney. McCready RA, et al. **J Vasc Surg** 1987 Aug;6(2):185–90

Dietary protein prior to renal ischemia dramatically affects postischemic kidney function. Andrews PM, et al. **Kidney Int** 1986 Sep;30(3):299–303

Change in energy reserves in different segments of the nephron during brief ischemia. Bastin J, et al. **Kidney Int** 1987 Jun;31(6):1239–47

Serotonin and the renal blood supply: role of prostaglandins and the 5HT-2 receptor. Blackshear JL, et al. **Kidney Int** 1986 Sep;30(3):304–10

Interlobular arterial resistance: influence of renal arterial pressure and angiotensin II. Heyeraas KJ, et al. **Kidney Int** 1987 Jun;31(6):1291–8

Responses of in vivo renal microvessels to dopamine. Steinhausen M, et al. **Kidney Int** 1986 Sep;30(3):361–70

Angiotensin converting enzyme inhibition and acute tubular necrosis. Burke TJ, et al. **Kidney Int [Suppl]** 1987 May; 20:S143–7 (39 ref.)

Effects on angiotensin-converting enzyme inhibition on renal hemodynamics in renal artery stenosis. Levenson DJ, et al. **Kidney Int [Suppl]** 1987 May;20:S173–9 (60 ref.)

Acute and chronic effects of angiotensin II on the vessels of the split hydronephrotic kidney. Steinhausen M, et al. **Kidney Int [Suppl]** 1987 May;20:S64–73

Acquired resistance to acute renal failure in ischemic and uranium-induced renal failure of rabbits. Yonemura K. **Nippon Jinzo Gakkai Shi** 1986 Sep;28(9):1221–7

Renal infarction secondary to selective arteriography. Gallucci M, et al. **Rays** 1985 Jan–Apr;10(1):95–7

Angiotensin II: preferential efferent constriction? Heller J, et al. **Renal Physiol** 1986;9(6):357–65

Age-related differences in susceptibility to renal ischemia in rats. Miura K, et al. **Toxicol Appl Pharmacol** 1987 Feb; 87(2):284–96

Limiting factors in successful preservation of cadaveric kidneys with ischemia time exceeding 50 hours. Abouna GM, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2051–5

New approach to management of chronic vascular rejection with prostacyclin analogue after kidney transplantation. Teraoka S, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2115–9

The protective effect of calcium inhibitors and of captopril on the renal microcirculation during reperfusion. Anaise D, et al. **Transplantation** 1987 Jan;43(1):128–33

Effect of cyclosporine on renal ischemic injury. Bia MJ, et al. **Transplantation** 1987 Jun;43(6):800–4

The protective effect of (-) Emopamil on renal function following warm and cold ischemia. Mills S, et al. **Transplantation** 1987 Jun;43(6):928–30

Effects of Nva2-cyclosporine on glomerular filtration rate and renal blood flow in the rat. Paller MS, et al. **Transplantation** 1987 Jun;43(6):893–5

Digital subtraction angiography (DSA) and other noninvasive methods for evaluation of renal circulation and hypertension. Deininger HK, et al. **Uremia Invest** 1985–86; 9(2):231–41

Renal morphology and function and urine electrolytes in experimental acute renal failure produced by cyclosporine and ischemia. Kone BC, et al. **Uremia Invest** 1985–86; 9(2):119–26

Tobramycin and renal ischemia. Wilson JA, et al. **Urology** 1986 Nov;28(5):409–12

Microvascular injury and repair in acute human bacterial pyelonephritis. Iványi B, et al. **Virchows Arch [A]** 1987; 411(3):257–65

[Measuring the regional blood flow with 51Cr labelled formalinized toad red blood cells] Zang DL. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Aug; 14(4):243–6 **(Chi)**

[Primary microvascular lesions of the kidney or pre-hypertensive nephroangiosclerosis. 25 cases] Cordonnier D, et al. **Arch Mal Coeur** 1986 Jun;79(6):779–83 (Eng. Abstr.) **(Fre)**

[Delayed, triangular, hyperdense, computed x-ray tomography images of the renal parenchyma following iodide injection. Interpretation of transient renal ischemia?] Attia M, et al. **J Radiol** 1986 Oct;67(10):687–91 (Eng. Abstr.) **(Fre)**

[The sinus-parenchyma border of the human kidney as the place of origin of intracanicular and extravascular diffusion of fluids. II: References] Anderhuber F. **Gegenbaurs Morphol Jahrb** 1986;132(6):875–97 **(Ger)**

[Kidney function parameters following ischemia stress using the Euro-Collins solution or the Bretschneider cardioplegic HTK solution] Kallerhoff M, et al. **Urologe [A]** 1987 Mar; 26(2):96–103 (Eng. Abstr.) **(Ger)**

[Abstracts of the 53d annual meeting of the German Society for Cardiovascular Research. 24–26 April 1987, Mannheim. Tolerance to ischemia and possible restoration of the viability of the heart, brain and kidney] **Z Kardiol** 1987 Apr;76 Suppl 1:1–128 **(Ger)**

[Ischemic damage to the liver and kidney by IABP—report of a case with a rare complication] Itoh Y, et al. **Kyobu Geka** 1987 Feb;40(2):162–5 (Eng. Abstr.) **(Jpn)**

[Studies on gamma-glutamyltranspeptidase in warm ischaemic kidneys of rats] Shirahama T. **Nippon Hinyokika Gakkai Zasshi** 1986 Nov;77(11):1726–32 (Eng. Abstr.) **(Jpn)**

[Experimental studies in acute ischemic renal failure] Tsuji Y. **Nippon Hinyokika Gakkai Zasshi** 1987 Feb;78(2):281–91 (Eng. Abstr.) **(Jpn)**

[Changes in renal blood distribution and catecholamine content in the kidney after clamping renal artery] Kawai H. **Nippon Jinzo Gakkai Shi** 1986 Aug;28(8):1151–60 (Eng. Abstr.) **(Jpn)**

[Ultrastructural changes in the microcirculatory bed and filtration-reabsorption barrier of the kidney during temporary ischemia after unilateral nephrectomy] Shakhlamov VA, et al. **Arkh Anat Gistol Embriol** 1986 Oct; 91(10):76–81 (Eng. Abstr.) **(Rus)**

[Microcirculatory characteristics in the kidneys in sudden cardiac death] Sokolova RI, et al. **Arkh Patol** 1986; 48(8):44–9 (Eng. Abstr.) **(Rus)**

[Glycolysis in the rat kidney shortly after ischemia and administration of calmodulin inhibitors, AMP and NAD] Tamarina NZ, et al. **Ukr Biokhim Zh** 1986 Nov-Dec; 58(6):42–6 (Eng. Abstr.) **(Rus)**

[Structural and functional changes in the kidneys in experimental vasorenal hypertension and means of correcting them] Petrun' NM, et al. **Urol Nefrol (Mosk)** 1987 May-Jun;(3):32–8 (Eng. Abstr.) **(Rus)**

[Changes in and pharmacological correction of oxidative phosphorylation in regional kidney ischemia] Chumakov VN, et al. **Vopr Med Khim** 1986 Jul-Aug;32(4):86–90 (Eng. Abstr.) **(Rus)**

[Clinical experience with inosine in surgery of complex renal lithiasis with ischemia under normothermia] Gallo FJ, et al. **Arch Esp Urol** 1987 Jan–Feb;40(1):33–7 (Eng. Abstr.) **(Spa)**

[Renal vasculitis, diffuse pulmonary hemorrhage and silicosis. Analysis of 2 cases] Pérez Pérez AJ, et al. **Med Clin (Barc)** 1986 Dec 13;87(20):858–60 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Protection of renal cells against free radical damage in vitro. A morphologic and functional study on human and rabbit kidney cells. Hansson RB, et al. **Am J Clin Pathol** 1987 May;87(5):601–7

ADP activates protooncogene expression in renal epithelial cells. Kartha S, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1175–9

Reassembly of the occluding junctions in a renal cell line with characteristics of proximal tubular cells. Rabito CA. **Am J Physiol** 1986 Dec;251(6 Pt 2):F978–87

Morphogenetic clonal growth of kidney epithelial cell line MDCK. McAteer JA, et al. **Anat Rec** 1987 Mar; 217(3):229–39

PDGF-like growth factor induces EGF-potentiated phenotypic transformation of normal rat kidney cells in the absence of TGF beta. van Zoelen EJ, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1229–35

Contact insensitivity of a subpopulation of normal human fetal kidney epithelial cells and of human carcinoma cell lines. Chang CC, et al. **Cancer Res** 1987 Mar 15; 47(6):1634–45

Production of cytotoxin to a tumor cell in co-cultures of macrophage cell line with bovine leukemia virus producing cell line. Inooka S. **Cell Biol Int Rep** 1986 Aug;10(8):659–65

Wandering cells in the nephron of the mudskipper Periophthalmus koelreuteri (Pallas). el-Sayed NK, et al. **Cell Biol Int Rep** 1986 Sep;10(9):755–62

Cell kinetics of mouse kidney using bromodeoxyuridine incorporation and flow cytometry: preparation and staining. Wilson GD, et al. **Cell Tissue Kinet** 1987 Mar; 20(2):125–33

The granular epithelioid cells in the kidney of the lemon sole (Pleuronectes microcephalus Donovani). Christensen JA, et al. **Cell Tissue Res** 1987 Jul;249(1):137–43

Microheterogeneity of the collecting duct system in rabbit kidney as revealed by monoclonal antibodies. Gilbert P, et al. **Cell Tissue Res** 1987 Jun;248(3):611–8

The fate of the primary diploid population during spontaneous transformation of growth factor-supplemented murine cell cultures. Kubbies M, et al. **Cytometry** 1986 Nov; 7(6):551–7

A human villin cDNA clone to investigate the differentiation of intestinal and kidney cells in vivo and in culture. Pringault E, et al. **EMBO J** 1986 Dec 1;5(12):3119–24

Effect of aldosterone on dome formation by MDCK mono-layer. Kinoshita Y, et al. **Endocrinol Jpn** 1986 Jun; 33(3):317–22

Demonstration of an epidermal growth factor-dependent 58 kDa phosphoprotein secreted by rat kidney fibroblasts. Binas B, et al. **FEBS Lett** 1987 Mar 9;213(1):164–8

Polarity of neutral amino acid transport and characterization of a broad specificity transport activity in a kidney epithelial cell line, MDCK. Boerner P, et al. **J Biol Chem** 1986 Oct 25;261(30):13957–62

Development of intercellular communication during the epithelial reorganization of a renal cell line (LLC-PK1). Rabito CA, et al. **J Biol Chem** 1987 Jan 25;262(3):1352–7

Retention of differentiated characteristics by cultures of defined rabbit kidney epithelia. Wilson PD, et al. **J Cell Physiol** 1987 Feb;130(2):245–54

Apical trehalase expression associated with cell patterning after inducer treatment of LLC-PK1 monolayers. Yoneyama Y, et al. **J Cell Physiol** 1987 Jun;131(3):330–41

Splitting and internalization of the desmosomes of cultured kidney epithelial cells by reduction in calcium concentration. Mattey DL, et al. **J Cell Sci** 1986 Sep; 85:113–24

Calcium-induced desmosome formation in cultured kidney epithelial cells. Mattey DL, et al. **J Cell Sci** 1986 Sep; 85:95–111

Electrophoretic separation and analysis of living cells from solid tissues by several methods. Human embryonic kidney cell cultures as a model. Todd P, et al. **J Chromatogr** 1986 Sep 12;364:11–24

Preparation of positional renal slices for study of cell-specific toxicity. Ruegg CE, et al. **J Pharmacol Methods** 1987 Apr; 17(2):111–23

Interaction of urinary Tamm-Horsfall protein with transitional cells and transitional epithelium. Fowler JE Jr, et al. **J Urol** 1987 Aug;138(2):446–8

Studies of kidney cells in culture. Handler JS. **Kidney Int** 1986 Aug;30(2):208–15 (94 ref.)

Multiplication of canine coronavirus in CRFK cells. Kojima A, et al. **Nippon Juigaku Zasshi** 1986 Dec;48(6):1063–70

Light and electron microscopic localization of glycoconjugates with gold-labeled reagents. Roth J. **Scanning Microsc** 1987 Jun;1(2):695–704

Effects of prenatal and postnatal exposure to gentamicin on renal differentiation in the rat. Gilbert T, et al. **Toxicology** 1987 Mar;43(3):301–13

Pronephric leucocytes of Cyprinus carpio: isolation, separation and characterization. Bayne CJ. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):141–51

Salmonid B lymphocytes demonstrate organ dependent functional heterogeneity. Irwin MJ, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):39–45

DRUG EFFECTS

Effects of dobutamine on haemodynamics and renal function in patients after major vascular surgery. Westman L, et al. **Acta Anaesthesiol Scand** 1987 Apr;31(3):253–7

Effects of centrally administered atrial natriuretic peptide on renal functions. Shoji M, et al. **Acta Endocrinol (Copenh)** 1987 Aug;115(4):433–40

The effect of long-term ethanol treatment on a metal binding protein fraction in liver and kidneys of mice. Hopf G, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Jul;59(1):43–6

Reversal by indomethacin of renal effects of dopamine in subjects with normal renal function. Yeyati NL, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(2):127–33

Effects of dipyridamole and furosemide on renal function during adenine dinucleotide infusion in rats. Redlak M, et al. **Acta Physiol Pol** 1986 Jan–Feb;37(1):1–7

Effects of lithium on the kidney. Gelenberg AJ, et al. **Acta Psychiatr Scand** 1987 Jan;75(1):29–34

Lithium: long-term effects on the kidney. III. Prospective study. Hetmar O, et al. **Acta Psychiatr Scand** 1987 Mar;

75(3):251–8
Effects of endotoxin on hemodynamics of isolated dog kidney. Bourgeois N, et al. **Adv Exp Med Biol** 1987; 212:81–5
Drug-associated acute renal failure. A prospective collaborative study of 81 biopsied patients. Kleinknecht D, et al. **Adv Exp Med Biol** 1987;212:125–8
A clinical insight into the pathophysiology of drug-induced acute renal failure. Minetti L, et al. **Adv Exp Med Biol** 1987;212:115–23
Filtration pressure and glomerular permeability in HgCl2-acute renal failure in the dog. Vanholder R, et al. **Adv Exp Med Biol** 1987;212:63–8
Cardiovascular and renal effects of atrial natriuretic factor. Luft FC, et al. **Adv Nephrol** 1987;16:37–51 (87 ref.)
The effect of long-term ethanol treatment on the polysome profile of brain, liver, and kidneys of mice. Hopf G, et al. **Alcohol Alcohol** 1986;21(3):277–9
The effects of alcohol on renal function and excretion. Eiser AR. **Alcoholism (NY)** 1987 Apr;11(2):127–38 (157 ref.)
Long-term renal effects of diltiazem in essential hypertension. Sunderrajan S, et al. **Am Heart J** 1987 Aug;114(2):383–8
Short- and long-term effects of calcium entry blockers on the kidney. Bauer JH, et al. **Am J Cardiol** 1987 Jan 23; 59(2):66A–71A (87 ref.)
The kidney and antihypertensive therapy. Hollenberg NK. **Am J Cardiol** 1987 Jan 23;59(2):76A–79A
Inhibition by diltiazem of pressure-induced afferent vasoconstriction in the isolated perfused rat kidney. Loutzenhiser R, et al. **Am J Cardiol** 1987 Jan 23; 59(2):72A–75A
Early detection of the nephrotoxic effects of industrial chemicals: state of the art and future prospects. Lauwerys RR, et al. **Am J Ind Med** 1987;11(3):275–85 (41 ref.)
Drug-induced nephrotoxicity: an international symposium. Antwerp, Belgium, September 27–28, 1985. **Am J Kidney Dis** 1986 Nov;8(5):283–383
A comparison of betaxolol and nadolol on renal function in essential hypertension. Bauer JH, et al. **Am J Kidney Dis** 1987 Aug;10(2):109–12
Modification of experimental aminoglycoside nephrotoxicity. Bennett WM, et al. **Am J Kidney Dis** 1986 Nov;8(5):292–6
Effects of nonsteroidal antiinflammatory drugs on renal function in patients with renal insufficiency and in cirrhotics. Brater DC, et al. **Am J Kidney Dis** 1986 Nov; 8(5):351–5
Renal side effects of nonsteroidal antiinflammatory drugs: clinical relevance. Pirson Y, et al. **Am J Kidney Dis** 1986 Nov;8(5):338–44 (83 ref.)
Cyclosporine nephrotoxicity in rats with an acute reduction of renal function. Provoost AP. **Am J Kidney Dis** 1986 Nov;8(5):314–8
Nephrotoxicity induced by cancer chemotherapy with special emphasis on cisplatin toxicity. Ries F, et al. **Am J Kidney Dis** 1986 Nov;8(5):368–79 (158 ref.)
Cisplatin nephrotoxicity. Safirstein R, et al. **Am J Kidney Dis** 1986 Nov;8(5):356–67 (51 ref.)
Renal effects of angiotensin converting enzyme inhibitors in hypertension. Bauer JH, et al. **Am J Med** 1986 Oct 31; 81(4C):19–27
Antihypertensive and renal effects of tertatolol, a new beta-blocking agent, in hypertensive patients. Salvetti A, et al. **Am J Nephrol** 1986;6 Suppl 2:45–9
Study of prejunctional beta-adrenoceptors in kidneys of normotensive and hypertensive rats using the new beta-adrenoceptor blocking drug tertatolol. Verbeuren TJ, et al. **Am J Nephrol** 1986;6 Suppl 2:30–5
Acute renal effects of beta-blockers. Zech P, et al. **Am J Nephrol** 1986;6 Suppl 2:15–9
Dose-dependent effects of prostaglandin D2 on hemodynamics, renal function, and blood gas analyses. Rao PS, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):843–51
Renal effects of endotoxin in the male rat. Churchill PC, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F244–50
Effect of atrial natriuretic factor on renal function in rats with papillary necrosis. Hildebrandt DA, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F977–80
Supersensitivity to NE alters renal function of chronically denervated rat kidneys. Krayacich J, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F856–64
Effects of adenosine infusion into renal interstitium on renal hemodynamics. Pawlowska D, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F678–82
Influence of salt on response to nitrendipine by Dahl rat kidney. Steele TH, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F487–90
High NaCl induces stable changes in phenotype and karyotype of renal cells in culture. Uchida S, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):C230–42
Renal function and lithium [letter] Johnson G. **Am J Psychiatry** 1987 Jun;144(6):822–3
Propylene glycol and renal damage [letter] Watson AD. **Am J Vet Res** 1987 Mar;48(3):536
Effects of interleukin-2 on renal function in patients receiving immunotherapy for advanced cancer. Belldegrun A, et al. **Ann Intern Med** 1987 Jun;106(6):817–22
Nephrotoxicity of netilmicin in combination with non-aminoglycoside antibiotics. Hagstrom GL, et al. **Antimicrob Agents Chemother** 1978 Mar;13(3):490–3
Effect of fetal exposure to gentamicin on kidneys of young guinea pigs. Lelievre-Pegorier M, et al. **Antimicrob Agents Chemother** 1987 Jan;31(1):88–92
The mechanism of pentachlorobutadienyl-glutathione nephrotoxicity studied with isolated rat renal epithelial cells. Jones TW, et al. **Arch Biochem Biophys** 1986 Dec; 251(2):504–13
S-(1,2-dichlorovinyl)-L-homocysteine-induced cytotoxicity in isolated rat kidney cells. Lash LH, et al. **Arch Biochem Biophys** 1986 Dec;251(2):432–9
Reduction of gentamicin nephrotoxicity by the concomitant administration of poly-l-aspartic acid and poly-l-asparagine in rats. Beauchamp D, et al. **Arch Toxicol [Suppl]** 1986;9:306–9
Occupational exposure to chlorinated organic solvents and its effect on the renal excretion of N-acetyl-beta-D-glucosaminidase. Brogren CH, et al. **Arch Toxicol [Suppl]** 1986;9:460–4
Effect of Ochratoxin A on enzyme activities and macromolecules synthesis in MDCK cells. Creppy EE, et al. **Arch Toxicol [Suppl]** 1986;9:310–4
Antibacterial activity and ototoxicity in guinea pigs, and nephrotoxicity in rats of arbekacin. Kurebe M, et al. **Arzneimittelforschung** 1986 Oct;36(10):1511–7
Arachidonic acid inhibits phosphate transport by cultured renal cells. Kinoshita Y, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):991–6
Differences in the androgen response between two mouse species. Houben PW, et al. **Biochem Genet** 1986 Dec; 24(11–12):805–11
Differential effect of cis-platinum (cis-diamminedichloroplatinum) on regulation of liver and kidney haem and haemoprotein metabolism. Possible involvement of gamma-glutamyl-cycle enzymes. Maines MD. **Biochem J** 1986 Aug 1;237(3):713–21
The effects of aluminum loading on the renal response to parathyroid hormone in the vitamin D-replete rat. Klein GL, et al. **Biochem Med Metab Biol** 1986 Dec;36(3):363–8
The role of alpha 2u globulin synthesis in the production of renal hyaline droplets by iso-octane. Carruthers L, et al. **Biochem Pharmacol** 1987 Aug 15;36(16):2577–80
The influence of enalapril or spironolactone on experimental cyclosporin nephrotoxicity. McAuley FT, et al. **Biochem Pharmacol** 1987 Mar 1;36(5):699–703
A possible role for membrane lipid peroxidation in anthracycline nephrotoxicity. Mimnaugh EG, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4327–35
Uptake of aminoglycoside antibiotics into brush-border membrane vesicles and inhibition of (Na+ + K+)-ATPase activity of basolateral membrane. Aramaki Y, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):111–8
The effects of naproxen and sulindac on renal function and their interaction with hydrochlorothiazide and piretanide in man. Dixey JJ, et al. **Br J Clin Pharmacol** 1987 Jan; 23(1):55–63
The renal, cardiovascular and hormonal actions of human atrial natriuretic peptide in man; effects of indomethacin. Miyamori I, et al. **Br J Clin Pharmacol** 1987 Apr; 23(4):425–31
Epithelial cell proliferation in the rat urinary system induced by parenteral injection of lead salts. Herbertson BM, et al. **Br J Exp Pathol** 1987 Apr;68(2):167–77
Renal effects of gastrin C-terminal tetrapeptide (as pentagastrin) and cholecystokinin octapeptide in conscious rabbit and man. Calam J, et al. **Br J Pharmacol** 1987 Jun; 91(2):307–14
A study in the rat of the renal actions of nitrendipine and diltiazem on the adrenergic regulation of calcium and sodium reabsorption. Johns EJ, et al. **Br J Pharmacol** 1986 Sep;89(1):99–107
Does sucrose damage kidneys? Li MK, et al. **Br J Urol** 1986 Aug;58(4):353–7
Converting enzyme inhibition and kidney function in normotensive diabetic patients with persistent microalbuminuria. Marre M, et al. **Br Med J [Clin Res]** 1987 Jun 6;294(6585):1448–52
Effect of antihypertensive treatment on kidney function in diabetic nephropathy. Parving HH, et al. **Br Med J [Clin Res]** 1987 Jun 6;294(6585):1443–7
Aminoglycosides and renal acid excretion. Gil FZ, et al. **Braz J Med Biol Res** 1986;19(3):419–27
Central 6-hydroxydopamine and renal sodium retention in mineralocorticoid-treated rats. Hall JL, et al. **Can J Physiol Pharmacol** 1986 Dec;64(12):1572–5
The role of heme metabolism during the induction of hepatic and renal cytochrome P-450 levels and drug-metabolizing enzymes in rats by a Prudhoe Bay crude oil. Khan S, et al. **Can J Physiol Pharmacol** 1987 Jan;65(1):75–9
The long-term effect of cisplatin on renal function. Fjeldborg P, et al. **Cancer** 1986 Nov 15;58(10):2214–7
Comparative nephrotoxicity of carboplatin and cisplatin in combination with tobramycin. Bregman CL, et al. **Cancer Chemother Pharmacol** 1986;18(2):117–23
Inefficiency of early prophylactic hemodialysis in cis-platinum overdose. Brivet F, et al. **Cancer Chemother Pharmacol** 1986;18(2):183–4
Urinary beta 2-microglobulin: early indicator of high dose cisdiamminedichloroplatinum nephrotoxicity? Influence of furosemide. de Gislain C, et al. **Cancer Chemother Pharmacol** 1986;18(3):276–9
Prevention of lethal and renal toxicity of cis-diamminedichloroplatinum(II) by induction of metallothionein synthesis without compromising its antitumor activity in mice. Naganuma A, et al. **Cancer Res** 1987 Feb 15;47(4):983–7
Selective cytotoxicity of L-canavanine in tumorigenic Madin-Darby canine kidney T1 cells. Berjis M, et al. **Chem Biol Interact** 1986 Dec;60(3):305–15
The renal toxicity of (R)-3-chlorolactate in the rat. Porter KE, et al. **Chem Biol Interact** 1987;62(2):157–66
Cardiovascular, renal, and endocrine response to atrial natriuretic peptide in angiotensin II mediated hypertension. Edwards BS, et al. **Circ Res** 1986 Dec;59(6):663–7
Cardio-renal-endocrine dynamics during stepwise infusion of physiologic and pharmacologic concentrations of atrial natriuretic factor in the dog. Zimmerman RS, et al. **Circ Res** 1987 Jul;61(1):63–9
Vasodilators, antihypertensive therapy, and the kidney. Hollenberg NK. **Circulation** 1987 Jun;75(6 Pt 2):V39–42 (47 ref.)
Renal effects of dichloroacetate in vivo. Kodama H, et al. **Clin Chim Acta** 1986 Nov 15;160(3):265–71
Alterations in renal vascular reactivity induced by chronic central administration of captopril in the spontaneously hypertensive rat. Berecek KH, et al. **Clin Exp Hypertens [A]** 1986;8(7):1081–106
Effects of chlorothiazide, furosemide and PTH on Na+ and Ca2+ handling in isolated perfused kidneys of the spontaneously hypertensive rat. Bindels RJ, et al. **Clin Exp Hypertens [A]** 1987;9(1):33–50
Selective renal dopamine-1 receptor stimulation in man. Carey RM, et al. **Clin Exp Hypertens [A]** 1987; 9(5–6):1009–20
Captopril attenuates diuretic and natriuretic actions of furosemide but not atrial natriuretic peptide. Di Nicolantonio R, et al. **Clin Exp Hypertens [A]** 1987; 9(1):19–32
The renal response to converting enzyme inhibition and the treatment of sodium-sensitive hypertension. Hollenberg NK, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):531–41
Triamterene-induced crystalluria and cylinduria: clinical and experimental studies. Fairley KF, et al. **Clin Nephrol** 1986 Oct;26(4):169–73
The influence of anti-parasitic therapy on the course of the glomerulopathy associated with Schistosomiasis mansoni. Martinelli R, et al. **Clin Nephrol** 1987 May;27(5):229–32
Effect of low-dose dopamine on kidney function and vasoactive hormones in pediatric patients with advanced renal failure. Tulassay T, et al. **Clin Nephrol** 1987 Jul; 28(1):22–7
The effect of fenoldopam, a dopaminergic agonist, on renal hemodynamics. Allison NL, et al. **Clin Pharmacol Ther** 1987 Mar;41(3):282–8
Enhanced dopamine renal responsiveness in patients with hypertension. Andrejak M, et al. **Clin Pharmacol Ther** 1986 Dec;40(6):610–4
Multiple oral doses of nicardipine, a calcium-entry blocker: effects on renal function, plasma renin activity, and aldosterone concentration in mild-to-moderate essential hypertension. Baba T, et al. **Clin Pharmacol Ther** 1987 Aug; 42(2):232–9
Renal safety of two analgesics used over the counter: ibuprofen and aspirin. Bonney SL, et al. **Clin Pharmacol Ther** 1986 Oct;40(4):373–7
Effects of sulindac on renal and extrarenal eicosanoid synthesis. Cibattoni G, et al. **Clin Pharmacol Ther** 1987 Apr; 41(4):380–3
Effect of cimetidine on renal and hepatic drug elimination: studies with triamterene. Muirhead MR, et al. **Clin Pharmacol Ther** 1986 Oct;40(4):400–7
Hemodynamic, renal, and hormonal responses to alpha-human atrial natriuretic peptide in patients with congestive heart failure. Saito H, et al. **Clin Pharmacol Ther** 1987 Aug;42(2):142–7
The effect of a synthetic polypeptide on the renal handling of protein in man. Beetham R, et al. **Clin Sci** 1987 Feb; 72(2):245–9
Vasoactive intestinal peptide: a direct renal natriuretic substance. Duggan KA, et al. **Clin Sci** 1987 Feb; 72(2):195–200
Oestrogen-induced changes in renal haemodynamics in the rat: influence of plasma and intrarenal renin. Evans JK, et al. **Clin Sci** 1986 Nov;71(5):613–9
Renal and cardiovascular effects of caffeine: a dose-response study. Passmore AP, et al. **Clin Sci** 1987 Jun;72(6):749–56
Effects of verapamil and converting enzyme inhibition on bilateral renal function of two-kidney, one-clip hypertensive rats. Ploth DW, et al. **Clin Sci** 1987 Jun; 72(6):657–67
Effect of indomethacin on acute potassium tolerance. Perez GO, et al. **Clin Ther** 1987;9(3):259–62
Radiocontrast media nephrotoxicity. Clinical aspects. Arrigo G, et al. **Contrib Nephrol** 1987;55:176–84 (20 ref.)
Effect of human atrial natriuretic factor on renal plasma flow. Bischof-Delaloye A, et al. **Contrib Nephrol** 1987;56:12–7
Cardiac hormones with renal effects. Potential role in health and disease. Forssmann WG. **Contrib Nephrol** 1986;50:1–13
Effect of antihypertensive agents on renal function. Molini PL, et al. **Contrib Nephrol** 1987;54:54–62 (55 ref.)
Brief review of the morphology of ciclosporin nephropathy. Mihatsch MJ, et al. **Contrib Nephrol** 1987;55:136–41
Renal toxicity of nonsteroidal anti-inflammatory drugs. Pirani CL, et al. **Contrib Nephrol** 1987;55:159–75 (31 ref.)
Lead Nephropathy. Ritz E, et al. **Contrib Nephrol** 1987; 55:185–91 (48 ref.)
The effects of oxygen free radicals on the preserved kidney. Bennett JF, et al. **Cryobiology** 1987 Jun;24(3):264–9

Effect of nifedipine and mefruside on renal function and platelet function in hypertensive patients. Notghi A, et al. **Curr Med Res Opin** 1987;10(7):441–9

Renal effects of tolazoline in newborn and adult rabbits. Duarte–Silva M, et al. **Dev Pharmacol Ther** 1987; 10(4):301–6

Effect of tolazoline on renal function in newborn puppies. John EG, et al. **Dev Pharmacol Ther** 1986;9(6):402–11

Nephrotoxicity of antibiotics and immunosuppressants. Proceedings of the satellite symposium. Sapporo, Japan, July 26–28, 1986. **Dev Toxicol Environ Sci** 1986;14:1–256

Analysis of urinary N-acetyl-beta-D-glucosaminidase isozyme in patients treated with gentamicin or cis-diammine dichloroplatinum (II). Aikawa A, et al. **Dev Toxicol Environ Sci** 1986;14:183–6

Cyclosporine nephrotoxicity: clinical and experimental aspects. Bennett WM, et al. **Dev Toxicol Environ Sci** 1986; 14:123–8

Experimental aminoglycoside nephrotoxicity. Bennett WM, et al. **Dev Toxicol Environ Sci** 1986;14:3–9

Evaluation of nephrotoxicity using isolated nephron segments. Endou H, et al. **Dev Toxicol Environ Sci** 1986; 14:207–16

Cyclosporine A nephrotoxicity in patients with Behçet's disease. Fukagawa M, et al. **Dev Toxicol Environ Sci** 1986; 14:129–33

Evaluation of aminoglycoside nephrotoxicity in the vesicle studies. Fukuhara Y, et al. **Dev Toxicol Environ Sci** 1986; 14:227–36

Evaluation of cisplatin-induced lipid peroxidation in rat renal tissues by means of slice technique. Gemba M, et al. **Dev Toxicol Environ Sci** 1986;14:169–77

Biochemical mechanisms of cephaloridine nephrotoxicity. Goldstein RS, et al. **Dev Toxicol Environ Sci** 1986;14:41–50 (21 ref.)

The use of cultured kidney cells to study renal toxicology. Handler JS. **Dev Toxicol Environ Sci** 1986;14:189–97 (32 ref.)

Pathogenesis of cyclosporine nephrotoxicity. Humes HD, et al. **Dev Toxicol Environ Sci** 1986;14:117–21

Interorgan metabolism of glutathione as the defence mechanism against oxidative stress. Inoue M, et al. **Dev Toxicol Environ Sci** 1986;14:51–60 (39 ref.)

The use of kidney epithelial cell line (LLC-PK1) to study aminoglycoside nephrotoxicity. Inui K, et al. **Dev Toxicol Environ Sci** 1986;14:217–26

Biological changes in kidney of rats fed subchronically with low doses of ochratoxin A. Kane A, et al. **Dev Toxicol Environ Sci** 1986;14:241–50

Cyclosporine related hypertension and nephrotoxicity in rat heart transplantation. Kanehira A, et al. **Dev Toxicol Environ Sci** 1986;14:141–7

Evaluation of potential nephrotoxicity of antibiotics. Koiso K, et al. **Dev Toxicol Environ Sci** 1986;14:81–9

Protective effect of latamoxef on aminoglycoside nephrotoxicity in rats. Kojima R, et al. **Dev Toxicol Environ Sci** 1986;14:31–4

Phosphoenolpyruvate carboxykinase as a selective indicator of ochratoxin A induced nephropathy. Meisner H, et al. **Dev Toxicol Environ Sci** 1986;14:199–206

Effect of ochratoxin A on gene expression in rat kidneys. Meisner H, et al. **Dev Toxicol Environ Sci** 1986;12:261–71

Evaluation of N-acetyl-beta-glucosaminidase in two groups of renal transplant recipients undergoing conventional and cyclosporin A therapy: 48 months follow-up. Montanari A, et al. **Dev Toxicol Environ Sci** 1986;14:135–40

Studies on nephrotoxicity of cyclosporine in human renal allograft and rat. Morozumi K, et al. **Dev Toxicol Environ Sci** 1986;14:153–6

Nephrotoxicity of cisplatin in rats. Nakada J, et al. **Dev Toxicol Environ Sci** 1986;14:179–82

Changes in abilities of producing and scavenging oxygen radicals in cephaloridine-induced nephrotoxicity in rats. Suzuki Y, et al. **Dev Toxicol Environ Sci** 1986;14:61–4

Renal lipid peroxidation induced by allopurinol-administration in rats. Suzuki Y, et al. **Dev Toxicol Environ Sci** 1986;14:65–72

Cyclosporine nephrotoxicity can be minimized by careful monitoring of whole blood trough levels. Uchida K, et al. **Dev Toxicol Environ Sci** 1986;14:163–6

Changes in urinary enzyme activities of renal origin during combination therapy with gentamicin and ampicillin. Yoshiyama Y, et al. **Dev Toxicol Environ Sci** 1986;14:27–30

Renal effects of nicardipine, a calcium entry blocker, in hypertensive type II diabetic patients with nephropathy. Baba T, et al. **Diabetes** 1986 Nov;35(11):1206–14

Effect on renal function of change from high to moderate protein intake in type I diabetic patients. Kupin WL, et al. **Diabetes** 1987 Jan;36(1):73–9

The effect of six months continuous subcutaneous insulin infusion on kidney function and size in insulin-dependent diabetics. Christensen CK, et al. **Diabetic Med** 1986 Jan; 3(1):29–32

Effect of protein on renal function and drug disposition. Henderson RP, et al. **Drug Intell Clin Pharm** 1986 Nov; 20(11):842–4 (39 ref.)

Effects of cisplatin-induced nephrotoxicity on gentamicin pharmacokinetics in rats. Engineer MS, et al. **Drug Metab Dispos** 1987 May–Jun;15(3):329–34

The role of arachidonic acid metabolites in renal homeostasis. Non-steroidal anti-inflammatory drugs renal function and biochemical, histological and clinical effects and drug interactions. Dunn M. **Drugs** 1987;33 Suppl 1:56–66 (31 ref.)

Effect of chloroacetic acids on the kidneys. Davis ME. **Environ Health Perspect** 1986 Nov;69:209–14

Cadmium, zinc, and copper in rabbit kidney metallothionein—relation to kidney toxicity. Elinder CG, et al. **Environ Res** 1987 Apr;42(2):553–62

Histopathological changes induced in rat tissues by oral intake of lead acetate. Karmakar N, et al. **Environ Res** 1986 Oct;41(1):23–8

Subacute effects of nitrogen dioxide on membrane constituents of lung, liver, and kidney of rats. Takahashi Y, et al. **Environ Res** 1986 Oct;41(1):184–94

Antagonist capacities of nifedipine, captopril, phenoxybenzamine, prostacyclin and indomethacin on cyclosporin A induced impairment of rat renal function. Dieperink H, et al. **Eur J Clin Invest** 1986 Dec;16(6):540–8

Effects of atriopeptin III on renal function, regional blood flows and left ventricular function in conscious dogs in presence or absence of hypovolaemia. Habib BR, et al. **Eur J Clin Invest** 1986 Dec;16(6):461–7

Atrial natriuretic peptides: reproducibility of renal effects and response of liver blood flow. Biollaz J, et al. **Eur J Clin Pharmacol** 1986;31(1):1–8

Acute changes in renal function induced by bisoprolol, a new cardioselective beta-blocking agent. Glück Z, et al. **Eur J Clin Pharmacol** 1986;31(1):107–11

Renal effects of pinacidil in hypertensive patients on chronic beta-blocker therapy. Krusell LR, et al. **Eur J Clin Pharmacol** 1986;30(6):641–7

Acute renal effects of oral felodipine in normal man. Schmitz A. **Eur J Clin Pharmacol** 1987;32(1):17–22

Effect of dexamethasone on rabbit renal prostaglandin E2 excretion: dependence on urinary flow. Attallah A. **Eur J Pharmacol** 1987 May 7;137(1):139–41

Chronic steroid contraceptive treatment decreases renal alpha-adrenoceptor levels in the rat. Geraghty DP, et al. **Eur J Pharmacol** 1986 Oct 7;129(3):225–33

Effect of methadone on plasma arginine vasopressin level and urine production in conscious dogs. Hellebrekers LJ, et al. **Eur J Pharmacol** 1987 Apr 29;136(3):279–86

Renal effect of atrial natriuretic polypeptide: comparison with standard saluretics. Shimizu T, et al. **Eur J Pharmacol** 1986 Aug 15;127(3):249–59

The mechanisms of target cell injury by nephrotoxins. Bach PH, et al. **Food Chem Toxicol** 1986 Jun–Jul;24(6–7):775–9

Comparison of short-term renal effects due to oral administration of decalin or d-limonene in young adult male Fischer-344 rats. Kanerva RL, et al. **Food Chem Toxicol** 1987 May;25(5):345–53

Review of kidney sections from a subchronic d-limonene oral dosing study conducted by the National Cancer Institute. Kanerva RL, et al. **Food Chem Toxicol** 1987 May; 25(5):355–8

Immediate effects of furosemide on renal hemodynamics in chronic liver disease with ascites. Daskalopoulos G, et al. **Gastroenterology** 1987 Jun;92(6):1859–63

Hemodynamic, renal, and steroidogenic actions of prostaglandins E1, E2, A2, and F2 alpha in European eels. Wales NA, et al. **Gen Comp Endocrinol** 1986 May; 62(2):327–34

Calcium antagonists and the kidney. Loutzenhiser R, et al. **Hosp Pract [Off]** 1987 Jan 15;22(1):63–76

Effects of atrial natriuretic factor on hormone-induced renin release. Deray G, et al. **Hypertension** 1987 May;9(5):513–7

Cardiovascular and renal profile of acute peripheral dopamine1-receptor agonism with fenoldopam. Glück Z, et al. **Hypertension** 1987 Jul;10(1):43–54

Effects of suprofen on renal function in patients with rheumatoid arthritis. Malandrino S, et al. **Int J Clin Pharmacol Res** 1987;7(4):259–63

Diuretic-induced hypokalemia and altered renal function. Carney SL, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Dec;24(12):665–7

Effects of diltiazem hydrochloride on the reduction of blood pressure, and cardiac and renal functions in essential hypertensive patients with renal dysfunction. Ohashi H, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Jun; 25(6):291–6

Sedation in intensive care: morphine and renal function. Bion JF, et al. **Intensive Care Med** 1986;12(5):359–65

Contrast media and renal function in the immature kidney. Newman B, et al. **Invest Radiol** 1987 Jul;22(7):608–12

Chronic renal and neurohumoral effects of the calcium entry blocker nisoldipine in patients with congestive heart failure. Barjon JN, et al. **J Am Coll Cardiol** 1987 Mar;9(3):622–30

Treatment of septicaemia in immunocompromised patients with ceftazidime or with tobramycin and cefuroxime, with special reference to renal effects. Rödjer S, et al. **J Antimicrob Chemother** 1987 Jul;20(1):109–16

Structure-nephrotoxicity relationships for meta-substituted N-phenylsuccinimides. Yang DJ, et al. **J Appl Toxicol** 1987 Jun;7(3):153–60

Modification of the internal pH sensitivity of the Na+/H+ antiporter by parathyroid hormone in a cultured renal cell line. Miller RT, et al. **J Biol Chem** 1987 Jul 5; 262(19):9115–20

Renal effects of dihydropyridine-type calcium antagonists. **J Cardiovasc Pharmacol** 1987;9 Suppl 1:S1–79

Renal effects of converting enzyme inhibition. Brunner HR, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 3:S6–14 (64 ref.)

Acute and chronic effects of a new calcium inhibitor, nicardipine, on renal hemodynamics in hypertension. Chaignon M, et al. **J Cardiovasc Pharmacol** 1986 Sep–Oct; 8(5):892–7

Systemic and regional hemodynamic effects of atriopeptin II in anesthetized rats. Criscione L, et al. **J Cardiovasc Pharmacol** 1987 Feb;9(2):135–41

Effects of vasodilator antihypertensive agents on renal function. DiBona GF. **J Cardiovasc Pharmacol** 1987;9 Suppl 1:S14–6

Effects of bopindolol on renal function. Fabre J, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 6:S45–50

Antihypertensive and renal effects of captopril in spontaneously hypertensive rats: evidence against a role of the kallikrein–kinin system. Filep J, et al. **J Cardiovasc Pharmacol** 1987 Aug;10(2):222–7

Renal effects of 1,4-dihydropyridines in animal models of hypertension and renal failure. Garthoff B, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 1:S8–13

The site of action of nitrendipine in the rat kidney. Häberle DA, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 1:S17–23

The renal actions of nitrendipine and its influence on the neural regulation of calcium and sodium reabsorption in the rat. Johns EJ, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 1:S49–56

Nifedipine corrects the blunted renal response to saline loading in hypertension-prone SBH rats. Mekler J, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 1:S76–9

Human atrial natriuretic peptide: plasma levels, hemodynamic, hormonal, and renal effects in patients with severe congestive heart failure. Riegger GA, et al. **J Cardiovasc Pharmacol** 1986 Nov–Dec;8(6):1107–12

Dihydropyridine calcium antagonists and agonists in the isolated perfused Dahl rat kidney. Steele TH, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 1:S44–8

Possible involvement of reorganization of actin filaments, induced by tumor-promoting phorbol esters, in changes in colony shape and enhancement of proliferation of cultured epithelial cells. Sastrodihardjo S, et al. **J Cell Physiol** 1987 Jul;132(1):49–56

Increased renal sensitivity to vasopressin in two patients with essential hypernatremia. Dunger DB, et al. **J Clin Endocrinol Metab** 1987 Jan;64(1):185–9

Effects of thyrotrophin-releasing hormone on renal function in the rat. Garland HO. **J Endocrinol** 1987 Jun;113(3):445–8

Studies on nonoxynol-9. IV. Biochemical and morphological effects in the liver, kidneys and lungs of rats following intravaginal and intraperitoneal administration. Chvapil M, et al. **J Environ Pathol Toxicol Oncol** 1986 Sep–Dec; 7(1–2):131–9

Is cyclosporine's nephrotoxicity related to its immunosuppressive effectiveness? Hakim M, et al. **J Heart Transplant** 1985 Feb;4(2):217–9

Use of cyclosporine and ketoconazole without nephrotoxicity in two heart transplant recipients. Schroeder TJ, et al. **J Heart Transplant** 1987 Mar–Apr;6(2):84–9

Effect of spironolactone on renal prostaglandin excretion in patients with liver cirrhosis and ascites. Medina JF, et al. **J Hepatol** 1986;3(2):206–11

Systemic and renal effects of enalapril and its effects on cardiac mass. Dunn FG, et al. **J Hypertens [Suppl]** 1984 Dec;2(2):S57–61

The haemodynamic, renal and endocrine effects of alpha-human atrial natriuretic polypeptide in normotensive people and patients with essential hypertension. Ishii M, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S542–5

Contrasting renal haemodynamic responses to the angiotensin converting enzyme inhibitor enalapril and the beta-adrenergic antagonist metoprolol in essential hypertension. O'Connor DT, et al. **J Hypertens [Suppl]** 1984 Dec;2(2):S89–92

Exaggerated Dahl salt-sensitive kidney response to calcium channel agonist isomer of Bay k 8644, but not to calcium channel antagonist isomer of Bay k 8644. Steele TH, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S135–7

Enalapril in hypertension with renal artery stenosis: long-term follow-up and effects on renal function. Tillman DM, et al. **J Hypertens [Suppl]** 1984 Dec;2(2):S93–100

Effect of Salmonella typhimurium porins on the cardiovascular and renal apparatus. Galdiero F, et al. **J Med Clin Exp Theor** 1986;17(5–6):285–97

Bone resorption, renal function and mineral status in cows treated with 1,25-dihydroxycholecalciferol and its 24-fluoro analogues. Goff JP, et al. **J Nutr** 1986 Aug; 116(8):1500–10

Pharmacokinetics and nephrotoxicity of continuous intravenous infusion of gentamicin in low birth weight infants. Giacoia GP, et al. **J Pediatr** 1986 Oct;109(4):715–9

Obesity as a risk factor in drug-induced organ injury: increased liver and kidney damage by acetaminophen in the obese overfed rat. Corcoran GB, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):921–7

Increased gentamicin nephrotoxicity in normal and diseased dogs administered identical serum drug concentration profiles: increased sensitivity in subclinical renal dysfunction. Frazier DL, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):946–51

Tolerance to morphine effects on renal disposition of xenobiotics in mice. Garty M, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):346–50

Interactions of diuretics with the peripheral-type benzodiazepine receptor in rat kidney. Lukeman DS, et

al. **J Pharmacol Exp Ther** 1987 Jun;241(3):950–5
Failure of chronic aspirin treatment to inhibit urinary prostaglandin excretion in spontaneously hypertensive rats: comparison with indomethacin and flurbiprofen. Quilley CP, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):916–21
Renal toxicity of cadmium–metallothionein and enzymuria in rats. Suzuki CA, et al. **J Pharmacol Exp Ther** 1987 Jan; 240(1):314–9
Chronic renal failure in the rat. A surgical model for long-term toxicological studies. Acott PD, et al. **J Pharmacol Methods** 1987 Aug;18(1):81–8
Nephrotoxicity of N-(3,5-dihalophenyl)succinimides in Fischer 344 rats. Yang DJ, et al. **J Toxicol Environ Health** 1987;20(4):333–46
The effect of the thromboxane A2 synthesis inhibitor OKY-046 on renal function in rabbits following release of unilateral ureteral obstruction. Loo MH, et al. **J Urol** 1987 Mar;137(3):571–6
The protective effect of ascorbic acid on oxytetracycline induced nephrotoxicity and hepatotoxicity. Naseer F, et al. **JPMA** 1987 Mar;37(3):73–5
A comparative study on the hemodynamic, renal and endocrine effects of alpha-human atrial natriuretic polypeptide in normotensive persons and patients with essential hypertension. Ishii M, et al. **Jpn Circ J** 1986 Nov; 50(11):1181–4
Blood pressure, renal and endocrine responses to alpha-human atrial natriuretic polypeptide in healthy volunteers. Ishii M, et al. **Jpn Heart J** 1986 Nov; 27(6):777–89
Effects of nicardipine on the systemic and renal hemodynamics in acutely elevated blood pressure induced by vasoactive agents in conscious rabbits. Matsukawa S, et al. **Jpn Heart J** 1987 May;28(3):435–43
Effects of atrial natriuretic peptide on renal function and renin release in the isolated perfused rat kidney. Narumi S, et al. **Jpn Heart J** 1987 Mar;28(2):221–7
A new diuretic that does not reduce renal handling of uric acid in rats, S-8666. Yonetani Y, et al. **Jpn J Pharmacol** 1987 Apr;43(4):399–405
Elevation of intrarenal adenosine by maleic acid decreases GFR and renin release. Arend LJ, et al. **Kidney Int** 1986 Nov;30(5):656–61
Vasopressin signaling in kidney cells. Ausiello DA, et al. **Kidney Int** 1987 Feb;31(2):521–9 (78 ref.)
Chronic effects of dietary protein in the rat with intact and reduced renal mass. Hostetter TH, et al. **Kidney Int** 1986 Oct;30(4):509–17
Augmentation by aprotinin of the renal response to vasopressin. Kauker ML, et al. **Kidney Int** 1987 May; 31(5):1092–6
Effect of a high NaCl diet on the active mechanisms of Na+ extrusion in rat kidney. Marín R, et al. **Kidney Int** 1986 Oct;30(4):518–23
Receptors to vasopressin and other hormones in the mammalian kidney. Morel F, et al. **Kidney Int** 1987 Feb; 31(2):512–20 (54 ref.)
Cyclosporine nephrotoxicity. Myers BD. **Kidney Int** 1986 Dec;30(6):964–74 (72 ref.)
The clinical significance of inhibition of renal prostaglandin synthesis. Patrono C, et al. **Kidney Int** 1987 Jul;32(1):1–12 (117 ref.)
Influence of a low sodium diet on the renal response to amino acid infusions in humans. Ruilope LM, et al. **Kidney Int** 1987 Apr;31(4):992–9
Response of isolated Dahl rat kidney to calcium antagonists. Steele TH, et al. **Kidney Int** 1987 Apr;31(4):941–5
Effects of acute and chronic dosing of NSAIDs in patients with renal insufficiency. Toto RD, et al. **Kidney Int** 1986 Nov;30(5):760–8
Natriuretic hormones: comparison of renal effects. Bourgoignie JJ. **Klin Wochenschr** 1987;65 Suppl 8:14–20
Blockade of the response to volume expansion by monoclonal antibodies against atrial natriuretic peptides. Hirth C, et al. **Klin Wochenschr** 1987;65 Suppl 8:87–91
Effect of rat atriopeptin III on renal function in dogs during water diuresis and hydropenia. Hropot M, et al. **Klin Wochenschr** 1986;64 Suppl 6:58–63
Combined steroid–cyclosporin treatment of chronic autoimmune diseases. Clinical results and assessment of nephrotoxicity by renal biopsy. Miescher PA, et al. **Klin Wochenschr** 1987 Aug 3;65(15):727–36
Renal effects of atrial natriuretic peptides. Schnermann J, et al. **Klin Wochenschr** 1987;65 Suppl 8:92–6
Uric acid in hypertension [editorial] **Lancet** 1987 May 16; 1(8542):1124–5
Age-related increased susceptibility of male Fischer 344 rats to acetaminophen nephrotoxicity. Beierschmitt WP, et al. **Life Sci** 1986 Dec 15;39(24):2335–42
Renal effects of atrial natriuretic factor in domestic fowl. Springate JE, et al. **Life Sci** 1987 Mar 9;40(10):915–20
Systemic haemodynamics, renal and platelet function during chronic propranolol administration in patients with compensated cirrhosis. Meacci E, et al. **Liver** 1987 Apr; 7(2):110–5
Renal toxicity of non-narcotic analgesics. At-risk patients and prescribing applications. Kincaid-Smith P. **Med Toxicol** 1986;1 Suppl 1:14–22 (65 ref.)
Effects of glucagon on renal and extrarenal handling of inorganic phosphate in mice: evidence for inorganic phosphate mobilizing activity. Mühlbauer RC, et al. **Miner Electrolyte Metab** 1987;13(1):45–50
Alpha-ketoacids stimulate rat renal cysteine conjugate beta-lyase activity and potentiate the cytotoxicity of S-(1,2-dichlorovinyl)-L-cysteine. Elfarra AA, et al. **Mol Pharmacol** 1987 Feb;31(2):208–12
Renacid: experimental study on the mouse kidney. Szöverfi AB, et al. **Morphol Embryol (Bucur)** 1986 Oct–Dec; 32(4):285–7
Acute toxicity of sterigmatocystin to chicks. Sreemannarayana O, et al. **Mycopathologia** 1987 Jan; 97(1):51–9
Effects of intravenous aspirin on prostaglandin synthesis and kidney function in intensive care patients. Bock HA, et al. **Nephrol Dial Transplant** 1986;1(3):164–9
Effects of sera from uninephrectomized rats on renal slices: PAH and TEA uptake and QO2. Areas J, et al. **Nephron** 1987;45(1):59–64
Inhibited efficiency of kidney mitochondria isolated from rats treated with cyclosporin A. Jung K, et al. **Nephron** 1987; 45(1):43–5
In vitro inhibition of Na-K-ATPase by trace metals: relation to renal and cardiovascular damage. Kramer HJ, et al. **Nephron** 1986;44(4):329–36
The role of prostaglandins in early polyuria induced by cisplatin in the rat. Moel DI, et al. **Nephron** 1987;46(1):91–5
Atrial natriuretic peptide and sodium intake: blunted effects in the normal sodium-retaining kidney. Gaillard CA, et al. **Neth J Med** 1987 Feb;30(1–2):10–6
Renal effects of theophylline and caffeine in newborn rabbits. Gouyon JB, et al. **Pediatr Res** 1987 Jun;21(6):615–8
Action of atrial natriuretic peptide in the immature ovine kidney. Shine P, et al. **Pediatr Res** 1987 Jul;22(1):11–5
Decrease in the response to ADH of the rat kidney as a result of early postnatal treatment with cortisol. Ivanova LN, et al. **Pflugers Arch** 1987 Apr;408(4):328–32
Effects of bradykinin on electrical properties of Madin-Darby canine kidney epithelioid cells. Paulmichl M, et al. **Pflugers Arch** 1987 Apr;408(4):408–13
Pharmacokinetics and effects of isoxicam on renal function in patients with renal insufficiency. Brooks PM, et al. **Pharmatherapeutica** 1986;4(10):665–72
Renal effects of atrial natriuretic factor in the rats of different ages. Bräunlich H, et al. **Physiol Bohemoslov** 1987; 36(2):119–24
Effects of dopamine on kidney function. Schoeppe W. **Proc R Soc Med** 1977;2:36–42
Effects of dietary linoleic acid on blood pressure and renal function in subtotally nephrectomized rats. Izumi Y, et al. **Proc Soc Exp Biol Med** 1986 Nov;183(2):193–8
24,25(OH)2D3 attenuates the calcemic effect of 1,25(OH)2D3 in rats with reduced renal mass. Rubinger D, et al. **Proc Soc Exp Biol Med** 1987 Oct;186(1):64–9
Solvents and the kidney. Askergren A. **Prog Clin Biol Res** 1986;220:155–67 (44 ref.)
Hemodynamic effects of PAF-acether on the dog kidney. Hébert RL, et al. **Prostaglandins Leukotrienes Med** 1987 Mar;26(3):189–202
Mitomycin C-induced hemolytic uremic syndrome. Six case reports and review of the literature on renal, pulmonary and cardiac side effects of the drug. Verweij J, et al. **Radiother Oncol** 1987 Jan;8(1):33–41 (74 ref.)
Increased nephrotoxicity caused by combined cholecystography? (Animal experiment). Bor K, et al. **Rays** 1985 Sep–Dec;10(3):61–5
Effects of cyclosporin A on a kidney epithelial cell line (LLC-PK1). Becker GM, et al. **Res Commun Chem Pathol Pharmacol** 1987 May; 56(2):277–80
Arterial ammonemia changes of renal origin induced in the rat by acid and alkaline diets. Imler M, et al. **Res Exp Med (Berl)** 1986;186(5):353–63
Suprofen, flank pain and renal involvement: a case report [letter] Talmud J, et al. **S Afr Med J** 1987 Aug 1;72(3):225–6
Nephrotoxicity of gold: clinical and experimental studies. Kaizu K, et al. **Sangyo Ika Daigaku Zasshi** 1987 Mar 20; 9 Suppl:196–207
Cisplatin nephrotoxicity. Safirstein R, et al. **Sangyo Ika Daigaku Zasshi** 1987 Mar 20;9 Suppl:216–22 (28 ref.)
Non-steroidal anti-inflammatory drugs, age and the kidney. Copenhagen, Denmark, June 17, 1986. Proceedings from a satellite symposium during the XII Scandinavian Congress of Rheumatology. **Scand J Rheumatol [Suppl]** 1986;62:3–49
A double blind comparison of naproxen and sulindac in female patients with heart failure. Beermann B, et al. **Scand J Rheumatol [Suppl]** 1986;62:32–5
Effects of sulindac and naproxen in patients with chronic glomerular disease. Kamper AL, et al. **Scand J Rheumatol [Suppl]** 1986;62:26–31
The arthritic patient with hypertension: selection of an NSAID. Spence JD. **Scand J Rheumatol [Suppl]** 1986; 62:36–40
Renal and hemodynamic effects of non-diuretic antihypertensive therapy. Batlle DC, et al. **Semin Nephrol** 1986 Sep;6(3):224–40 (175 ref.)
Review of the basic principles of drug action. Hester RK, et al. **Semin Nephrol** 1986 Sep;6(3):189–99 (84 ref.)
The role of metabolic activation and pharmacokinetics in clinical pharmacology. Hilbert J, et al. **Semin Nephrol** 1986 Sep;6(3):200–9 (72 ref.)
Diuretics: mechanism of action and therapy. Laski ME. **Semin Nephrol** 1986 Sep;6(3):210–23 (91 ref.)
Transport and renal effects of general anesthetics. Mujais SK. **Semin Nephrol** 1986 Sep;6(3):251–8 (51 ref.)
Selected topics in renal therapeutics: cellular mechanisms and clinical application. Sabatini S. **Semin Nephrol** 1986 Sep; 6(3):187–8
The effect of pirprofen on renal function in man. Kalos A, et al. **Singapore Med J** 1987 Apr;28(2):172–5
Aspirin and the kidneys in patients with cerebral ischemia [letter] Monreal M, et al. **Stroke** 1987 Mar–Apr;18(2):537–8
Treatment with verapamil and adenosine triphosphate–MgCl2 reduces cyclosporine nephrotoxicity. Sumpio B, et al. **Surgery** 1987 Mar;101(3):315–22
Induced hyperglycemia protects rats against gentamicin nephrotoxicity. Shyh TP, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Jan;86(1):27–32
The effects of low doses of cadmium–metallothionein on the renal uptake of beta 2-microglobulin in rats. Bernard AM, et al. **Toxicol Appl Pharmacol** 1987 Mar 15;87(3):440–5
Inhibition of the acute toxicity of methyl chloride in male B6C3F1 mice by glutathione depletion. Chellman GJ, et al. **Toxicol Appl Pharmacol** 1986 Oct;86(1):93–104
Inhalation toxicity of hexafluoroisobutylene. Gad SC, et al. **Toxicol Appl Pharmacol** 1986 Dec;86(3):327–40
Mechanisms mediating cephaloridine inhibition of renal gluconeogenesis. Goldstein RS, et al. **Toxicol Appl Pharmacol** 1987 Feb;87(2):297–305
In vivo studies on the relationship between hepatic metabolism and the renal toxicity of 1-(2-chloroethyl)-3-(trans-4-methylcyclohexyl)-1-nitrosourea (MeCCNU). Kramer RA, et al. **Toxicol Appl Pharmacol** 1986 Sep 15;85(2):221–30
Assessment of unscheduled and replicative DNA synthesis in rat kidney cells exposed in vitro or in vivo to unleaded gasoline. Loury DJ, et al. **Toxicol Appl Pharmacol** 1987 Jan;87(1):127–40
Alteration of mitochondrial structure and heme biosynthetic parameters in liver and kidney cells by bismuth. Woods JS, et al. **Toxicol Appl Pharmacol** 1987 Sep 15;90(2):274–83
The effect of chromate on citrinin-induced renal dysfunction in the rat. Haberman PJ, et al. **Toxicol Lett** 1987 Sep; 38(1–2):83–90
Cell proliferation in rat kidney induced by 1,2-dibromoethane. Ledda-Columbano GM, et al. **Toxicol Lett** 1987 Jun;37(1):85–90
Deficiency of selenium intake enhances manifestation of renal toxicity of cis-diamminedichloroplatinum in mice. Satoh M, et al. **Toxicol Lett** 1987 Sep;38(1–2):155–60
Functional consequences of prenatal methylmercury exposure: effects on renal and hepatic responses to trophic stimuli and on renal excretory mechanisms. Slotkin TA, et al. **Toxicol Lett** 1986 Dec;34(2–3):231–45
Renal pathology and toxicity. Fourth International Symposium of the Society of Toxicologic Pathologists, Washington, D.C., June 5–7, 1985. **Toxicol Pathol** 1986; 14(2):158–262
Effects of cyclosporine on human endothelial cell cultures. Trifillis AL, et al. **Toxicol Pathol** 1986;14(2):210–2
Studies on the subchronic nephrotoxic potential of styrene in Sprague–Dawley rats. Chakrabarti SK, et al. **Toxicology** 1987 Jun;44(3):355–65
Critical prenatal periods for chlorambucil-induced functional alterations of the rat kidney. Kavlock RJ, et al. **Toxicology** 1987 Jan;43(1):51–64
Effect of cadmium on essential metal concentrations in testis, liver and kidney of five inbred strains of mice. Maitani T, et al. **Toxicology** 1986 Dec 15;42(2–3):121–30
Lead-induced inclusion bodies in rat kidney after perinatal treatment with lead and disulfiram. Oskarsson A, et al. **Toxicology** 1987 Apr;44(1):61–72
The effect of probenecid on acute N-(3,5-dichlorophenyl)succinimide-induced nephrotoxicity in the Fischer 344 rat. Rankin GO, et al. **Toxicology** 1987 May;44(2):181–92
Effect of microsomal enzyme activity modulation on N-(3,5-dichlorophenyl)succinimide-induced nephrotoxicity. Rankin GO, et al. **Toxicology** 1987 Sep; 45(3):269–89
Alpha 2U-globulin: measurement in rat kidney following administration of 2,2,4-trimethylpentane. Stonard MD, et al. **Toxicology** 1986 Oct;41(2):161–8
Isolation and nephrotoxic studies of orellanine from the mushroom Cortinarius speciosissimus. Holmdahl J, et al. **Toxicon** 1987;25(2):195–9
Fish oil vehicle for cyclosporine lowers renal thromboxanes and reduces experimental nephrotoxicity. Elzinga L, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1403–6
Acute nephrotoxicity following intravenous cyclosporine. Hirsch S, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1387–90
Nephrotoxic effect of cyclosporine A can be reversed by dopamine. Kho TL, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1749–53
Evaluation of cyclosporine-induced nephrotoxicity by immunoperoxidase analysis of renal allograft biopsies. Kolbeck PC, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1781–4
Cyclosporine-associated nephrotoxicity is not intractable. Loertscher R. **Transplant Proc** 1987 Aug;19(4):3486–9
Effectiveness of urokinase and verapamil for 120- and 144-hour simple surface cooling preservation of canine kidneys. Masaki Y, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1372–5
Renal handling and nephrotoxic effects of 3H-cyclosporine

in the hen. Milton A, et al. **Transplant Proc** 1986 Dec;18(6 Suppl 5):79–85

Cyclosporine A—calcium channels interaction: a possible mechanism for nephrotoxicity. Nagineni CN, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1358–62

Nephrotoxic and immunosuppressive potentials of cyclosporine metabolites in rats. Ryffel B, et al. **Transplant Proc** 1986 Dec;18(6 Suppl 5):41–5

Is cyclosporine-induced chronic nephrotoxicity inevitable? Scolari F, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1745–8

Nephroprotective effect of imipenem/cilastatin in reducing cyclosporine toxicity. Sido B, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1755–8

Nephrotoxicity of cyclosporine and its prevention by concomitant administration of prednisolone: biochemical and morphological analysis. Suzuki S, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1398–402

Use of the isolated perfused kidney model to assess the acute pharmacologic effects of cyclosporine and its vehicle, cremophor EL. Besarab A, et al. **Transplantation** 1987 Aug; 44(2):195–201

Inhibitory effect of cyclosporine on the respiratory efficiency of isolated human kidney mitochondria. Jung K, et al. **Transplantation** 1987 Jan;43(1):162–3

Effects of cyclosporine on the isolated perfused rat kidney. Luke DR, et al. **Transplantation** 1987 Jun;43(6):795–9

An in vitro model for analyzing the nephrotoxicity of cyclosporine and preservation injury. Raphael L, et al. **Transplantation** 1987 May;43(5):703–8

Biochemical mechanisms underlying cyclosporine-induced nephrotoxicity. Effect of concomitant administration of prednisolone. Suzuki S, et al. **Transplantation** 1987 Sep; 44(3):363–8

Post-ischemic renal function after kidney protection with the HTK-solution of Bretschneider. Kallerhoff M, et al. **Urol Res** 1986;14(5):271–7

Short-term perfusion and "equilibration" of canine kidneys with protective solutions. Kallerhoff M, et al. **Urol Res** 1987;15(1):5–12

Distribution and form of uranium-containing deposits in chickens treated with uranyl nitrate. Mollenhauer HH, et al. **Vet Pathol** 1986 Nov;23(6):706–11

In defence of gentamicin. Adams R, et al. **Vet Rec** 1987 Mar 21;120(12):277–8

Chelation in metal intoxication: effect of thiol chelators on renal cytosolic mercury. Tandon SK, et al. **Z Gesamte Hyg** 1986 Sep;32(9):540–1

[Toxicity studies of the Bulgarian cytostatic biocarbazine on the lung, kidneys and small intestine] Uzunov P, et al. **Eksp Med Morfol** 1986;25(4):57–62 (Eng. Abstr.) **(Bul)**

[Changes in amoxicillin pharmacokinetics in white rats with experimentally damaged kidneys and liver] Lashev L, et al. **Vet Med Nauki** 1987;24(1):57–63 (Eng. Abstr.) **(Bul)**

[The effect of benzbromarone and its combination with hydrochlorothiazide on the renal excretion of uric acid and electrolytes] Malý J. **Cas Lek Cesk** 1986 Aug 22; 125(34):1053–6 (Eng. Abstr.) **(Cze)**

[The immediate effect of hydrocortisone on the renal excretion of calcium and phosphates in healthy subjects] Osten J, et al. **Cas Lek Cesk** 1986 Aug 22;125(34):1065–9 (Eng. Abstr.) **(Cze)**

[Development of renal function in the transplanted patient with renal hypertension treated with enalapril] Guerin C, et al. **Nephrologie** 1987;8(1):19–22 (Eng. Abstr.) **(Fre)**

[Circadian variations of amikacin nephrotoxicity in rats] Dorian C, et al. **Pathol Biol (Paris)** 1986 Jun;34(5 Pt 2):587–90 (Eng. Abstr.) **(Fre)**

[Urinary excretion of phospholipids: index of aminoglycoside nephrotoxicity] Olier B, et al. **Pathol Biol (Paris)** 1986 Jun; 34(5 Pt 2):577–81 (Eng. Abstr.) **(Fre)**

[Can gentamicin nephrotoxicity in rats be modified by chronic administration of muzolimine?] Toutain H, et al. **Pathol Biol (Paris)** 1986 Jun;34(5 Pt 2):582–6 (Eng. Abstr.) **(Fre)**

[Can piperacillin modify the experimental nephrotoxicity of gentamicin?] Thomas N, et al. **Presse Med** 1986 Dec 20; 15(46):2362–7 (Eng. Abstr.) **(Fre)**

[Renal toxicity of nonsteroidal anti-inflammatory agents and clometacin] Andrejak M, et al. **Therapie** 1986 Sep-Oct; 41(5):331–7 (Eng. Abstr.) **(Fre)**

[Microcomputerized data bank of nephrotoxic drugs at the Paris-Saint Antoine Regional Drug Monitoring Center] Hamel JD, et al. **Therapie** 1986 Sep-Oct;41(5):327–9 (Eng. Abstr.) **(Fre)**

[The analgesic-damaged kidney. Importance of the imaging procedure] Köhler H, et al. **Dtsch Med Wochenschr** 1987 Aug 28;112(35):1347–52 (17 ref.) **(Ger)**

[Acute nephrotoxicity following acyclovir medication (letter)] Weinke T, et al. **Dtsch Med Wochenschr** 1987 Jan 2;112(1):39 **(Ger)**

[Renal effects of dopamine in healthy adults with special reference to the excretion of phosphate and calcium] Finsterer U, et al. **Infusionsther Klin Ernahr** 1986 Oct; 13(5):222–30 (Eng. Abstr.) **(Ger)**

[Kidney function in lead burden] Ritz E, et al. **Klin Wochenschr** 1986 Sep 15;64(18):871–5 (Eng. Abstr.) **(Ger)**

[Effects of drugs on the upper urinary tract of the human] Hertle L, et al. **Urologe [A]** 1986 Sep;25(5):252–8 (Eng. Abstr.) **(Ger)**

[Studies of protein clearance in patients treated with and without gold preparations in rheumatoid arthritis] Gräfenstein K. **Z Gesamte Inn Med** 1987 Jan 15;42(2):56–8 (Eng. Abstr.) **(Ger)**

[Renal dipeptidylpeptidase IV excretion in drug-induced kidney changes] Burchardt U, et al. **Z Urol Nephrol** 1986 Oct;79(10):587–93 (Eng. Abstr.) **(Ger)**

[Renal effects of exposure to mercury in a thermometer factory] Gerosa A, et al. **Med Lav** 1986 Nov-Dec; 77(6):635–8 (Eng. Abstr.) **(Ita)**

[Combination chemotherapy with mitomycin C, adriamycin and cisplatin (MAP) in advanced adenocarcinoma of the lung: clinical effect and renal toxicity] Fujii M, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):105–8 (Eng. Abstr.) **(Jpn)**

[Study on urinary gamma-GTP activities as an indicator of cis-diamminedichloride platinum nephrotoxicity] Takahashi T, et al. **Hinyokika Kiyo** 1986 Jun;32(6):789–94 (Eng. Abstr.) **(Jpn)**

[Urinary NAG and gamma-GTP activities as indicators of CDDP renal toxicity: effect of fosfomycin on CDDP renal toxicity] Yoshida K, et al. **Hinyokika Kiyo** 1986 Sep; 32(9):1237–45 (Eng. Abstr.) **(Jpn)**

[Influence of indomethacin on the renal effects of calcium antagonists under light anesthesia] Nishimoto T. **Masui** 1986 Aug;35(8):1240–50 (Eng. Abstr.) **(Jpn)**

[Cisplatin in the treatment of neuroblastoma—anti-tumor activity and nephrotoxicity in a single high-dose and repeated low-dose regimen] Sue K, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Aug 20;21(7):1397–401 (Eng. Abstr.) **(Jpn)**

[Drug nephrotoxicity] **Nippon Jinzo Gakkai Shi** 1986 Jul; 28(7):929–46 **(Jpn)**

[The effect of bismuth subnitrate on cisplatin toxicity] Chen JT, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 May; 39(5):815–22 (Eng. Abstr.) **(Jpn)**

[Determination of urinary N-acetyl-beta-D-glucosaminidase (NAG) excretion as a parameter of nephrotoxicity due to cis-platin and the effect of fosfomycin (FOM) on its nephrotoxicity] Matsuoka R, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Nov; 38(11):2037–44 (Eng. Abstr.) **(Jpn)**

[Effect of sodium salicylate on renal handling of calcium, phosphate and magnesium] Yamada S, et al. **Nippon Yakurigaku Zasshi** 1986 Nov;88(5):395–401 (Eng. Abstr.) **(Jpn)**

[Interrelations in the changes in the pharmacokinetics and nephrotoxic effect of sisomycin as affected by cefazolin] Gagaeva EV, et al. **Antibiot Med Biotekhnol** 1986 Oct; 31(10):785–90 (Eng. Abstr.) **(Rus)**

[Effect of the intra-aortic administration of prostaglandin E2 on kidney functions in acute kidney failure of blood transfusion origin] Glants RM, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):412–4 (Eng. Abstr.) **(Rus)**

[Pharmacological blockade of the nephrotoxicity of cisplatin in rats] Natochin IuV, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):442–5 (Eng. Abstr.) **(Rus)**

[Dose-dependent effect of mezaton on kidney and heart functions] Branchevskiĭ LL, et al. **Farmakol Toksikol** 1986 Nov-Dec;49(6):61–3 (Eng. Abstr.) **(Rus)**

[The hypothesis of portal charges and its role in the pharmacology of the kidney] Lebedev AA. **Farmakol Toksikol** 1986 Nov-Dec;49(6):16–22 (19 ref.) **(Rus)**

[Changes in the functional indices of the liver and kidneys caused by drugs] Seleznev EF. **Lab Delo** 1987;(6):468–75 **(Rus)**

[Use of organic acids and bases in preventing functional kidney disorders after cisplatin administration] Natochin IuV, et al. **Patol Fiziol Eksp Ter** 1987 Mar-Apr;(2):65–8 (Eng. Abstr.) **(Rus)**

[Effect of N-nitrosodimethylamine and precursors of this carcinogen on rat kidney cells in monolayer culture] Osin'kovskaia ND, et al. **Tsitol Genet** 1986 Jul-Aug; 20(4):280–4 (Eng. Abstr.) **(Rus)**

[Effect of different doses of North Ossetian tib-2 mineral water on kidney function and the mechanisms of its action] Pronina NN, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Sep-Oct;(5):46–9 (Eng. Abstr.) **(Rus)**

[Effect of polyene antibiotics on the activity of prostaglandin metabolism enzymes in various layers of the kidney in young rats] Efendiev AM, et al. **Vopr Med Khim** 1986 Jul-Aug;32(4):102–6 (Eng. Abstr.) **(Rus)**

[Effects of isoflurane on renal function] Solares G, et al. **Rev Esp Anestesiol Reanim** 1987 Mar-Apr;34(2):115–7 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

Identification of adipose tissue primordia in perirenal tissues of pig fetuses: utility of phosphatase histochemistry. Hausman GJ. **Acta Anat (Basel)** 1987;128(3):236–42

Experimental study on developing rat kidney after Naja haje envenomation. el Hessy H, et al. **Acta Anat (Basel)** 1987; 128(3):217–26

Renal effects of ovine fetal arginine vasopressin secretion in response to maternal hyperosmolality. Ervin MG, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1341–7

Regulation of 25-hydroxyvitamin D3 metabolism in chick embryo. Turner RT, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):E38–43

Human foetal kidney explants in serum-free organ culture. Brière N. **Anat Embryol (Berl)** 1987;176(1):105–14

Sequential cell and tissue interactions governing organogenesis of the kidney. Saxén L, et al. **Anat Embryol (Berl)** 1986;175(1):1–6

A scanning electron microscope survey of the origin of the primordial pronephric duct cells in the avian embryo. Jarzem J, et al. **Anat Rec** 1987 Jun;218(2):175–81

Vascularization of the embryonic kidney. Detection of endothelial cells with Ulex europaeus I lectin. Holthöfer H. **Cell Differ** 1987 Jan;20(1):27–31

Protein absorption by tubular mesonephric and metanephric structures in the human embryo. An immunohistochemical study. Lauriola L, et al. **Cell Tissue Res** 1986;246(1):77–80

Cranial neural crest cells exhibit directed migration on the pronephric duct pathway: further evidence for an in vivo adhesion gradient. Zackson SL, et al. **Dev Biol** 1986 Oct; 117(2):342–53

Levels and patterns of 125I-labeled transferrin binding in mouse embryonic teeth and kidneys at various developmental stages. Partanen AM, et al. **Differentiation** 1987;34(1):18–24

Plasminogen activators during differentiation of the human kidney. Saksela O, et al. **Differentiation** 1987;34(2):131–8

A combined ultrasonic and biochemical study of fetal renal function in the term fetus. Wladimiroff JW, et al. **Eur J Obstet Gynecol Reprod Biol** 1976;6(3):103–8

Glucocorticoid receptors in chick embryos: properties and ontogeny of the nuclear renal receptor. Gendreau P, et al. **Gen Comp Endocrinol** 1987 Jul;67(1):58–66

Fetal kidney size related to gestational age. Sagi J, et al. **Gynecol Obstet Invest** 1987;23(1):1–4

Epithelial-mesenchymal interactions in the developing kidney lead to expression of tenascin in the mesenchyme. Aufderheide E, et al. **J Cell Biol** 1987 Jul;105(1):599–608

The renal response to the ingestion of fluid by the fetal sheep. Smith FG, et al. **J Dev Physiol** 1986 Aug;8(4):259–66

Nephrogenic metaplasia of the ureter. Bernadó L, et al. **Pediatr Pathol** 1986;5(3–4):389–95

Growth factors and the embryonic kidney. Risau W, et al. **Prog Clin Biol Res** 1986;226:147–56 (21 ref.)

Development of fetal and neonatal renal function. Engle WD. **Semin Perinatol** 1986 Apr;10(2):113–24 (77 ref.)

[Biomorphosis of the kidney in swine. 1. Body length and body weight and weight of the kidney capsule and blastema] Wesemeier H, et al. **Arch Exp Veterinarmed** 1986 Nov;40(6):910–9 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Light microscopical localization of enzymes by means of cerium-based methods. V. Optimization of the cerium-lead (Ce-Pb)-technique for alkaline phosphatase. Halbhuber KJ, et al. **Acta Histochem (Jena)** 1987;81(1):71–5

Gadolinium and didymium (praseodymium/neodymium) cations as capture agents in lightmicroscopical histochemistry of acid and alkaline phosphatase. Halbhuber KJ, et al. **Acta Histochem (Jena)** 1987;81(2):223–5

Renal kallikrein and renin concentrations in spontaneously hypertensive rats (SHR) during acute reduction of perfusion pressure. Andersen KJ, et al. **Adv Exp Med Biol** 1986;198 Pt B:285–8

Studies on renal and urinary kallikrein in spontaneously hypertensive rats. Chapman ID, et al. **Adv Exp Med Biol** 1986;198 Pt B:219–24

Localization of kallikreins in the human parotid gland and in the human kidney: a comparative study of immunohistochemistry and enzyme histochemistry. Kimura K, et al. **Adv Exp Med Biol** 1986;198 Pt A:27–34

Release of tissue kallikrein from the isolated perfused kidney. Lâuar N, et al. **Adv Exp Med Biol** 1986;198 Pt A:347–54

Immunohistochemical studies on synthesis and distribution of Hageman factor and kininogen. Tsuruta J, et al. **Adv Exp Med Biol** 1986;198 Pt B:63–70

Uses of gamma-glutamyltransferase in experimental toxicology. Braun JP, et al. **Adv Vet Sci Comp Med** 1987; 31:151–72 (251 ref.)

Subcellular distribution of renal tripeptide-releasing exopeptidases active on collagen-like sequences. Andersen KJ, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F890–8

Renal effects of cyclooxygenase inhibition in the pregnant rat. Baylis C. **Am J Physiol** 1987 Jul;253(1 Pt 2):F158–63

Pretranslational regulation of Na-K-ATPase in cultured canine kidney cells by low K+. Bowen JW, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):C179–89

Proximal tubular reabsorption and Na-K-ATPase activity in remnant kidney of young rats. Celsi G, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):F588–93

Calcium-activated phospholipase C associated with canine renal basolateral membranes. Rogers SA, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F74–82

Dual regulation of PTH-stimulated adenylate cyclase activity by GTP. Teitelbaum AP, et al. **Am J Physiol** 1986 Nov; 251(5 Pt 2):F858–64

Assay of 25-hydroxy vitamin D3-1 alpha-hydroxylase in pig kidney mitochondria using isotope dilution-mass spectrometry. Holmberg I, et al. **Anal Biochem** 1986 Dec; 159(2):317–22

The effect of hydropenia and oral water loading on renal lysozyme handling and N-acetyl-beta-D-glucosaminidase excretion in man. Houser MT. **Ann Clin Biochem** 1986 Jul; 23 (Pt 4):453–7

Stereospecificity of sodium borohydride reduction of pig kidney dopa decarboxylase. Dominici P, et al. **Arch Biochem Biophys** 1986 Dec;251(2):762–6

25-Hydroxyvitamin D3-23-hydroxylase, a renal enzyme in several animal species. Engstrom GW, et al. **Arch Biochem Biophys** 1986 Oct;250(1):86-93

Differential expression of cytochrome P-450 I and related forms in rabbit liver and kidney. Finlayson MJ, et al. **Arch Biochem Biophys** 1987 Jan;252(1):113-20

Purification and properties of methyl sulfoxide reductases from rat kidney. Fukazawa H, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):480-9

The purification and characterization of human kidney L-arginine:glycine amidinotransferase. Gross MD, et al. **Arch Biochem Biophys** 1986 Dec;251(2):747-55

Age and sex related differences in some rat renal NADPH-consuming detoxification enzymes. Santa Maria C, et al. **Arch Gerontol Geriatr** 1986 Oct;5(3):235-47

Thyroid toxicity and iodothyronine deiodination. Jones CA, et al. **Arch Toxicol [Suppl]** 1987;11:250-2

In vivo effects of camostat mesilate on plasma kallikrein, plasma kininase II and renal kallikrein of man. Bönner G, et al. **Arzneimittelforschung** 1987 May;37(5):535-7

Identification of UDP-galactose: lactose (lactosylceramide) alpha-4 and beta-3 galactosyltransferases in human kidney. Bailly P, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):84-91

Enzymatic conversion of leukotriene B4 to 6-trans-leukotriene B4 by rat kidney homogenates. Breuer O, et al. **Biochem Biophys Res Commun** 1987 Feb 13; 142(3):667-73

Evidence that rabbit cytochrome P-450 K is encoded by the plasmid pP-450 PBc2. Finlayson MJ, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):728-33

A viral K-RAS protein increases the stimulability of adenylate cyclase by cholera toxin in NRK cells. Franks DJ, et al. **Biochem Biophys Res Commun** 1987 Sep 15; 147(2):596-601

Biosynthesis of porcine kidney D-amino acid oxidase. Fukui K, et al. **Biochem Biophys Res Commun** 1986 Dec 30; 141(3):1222-8

Purification and partial characterization of dimeric dihydrodiol dehydrogenase from monkey kidney. Hara A, et al. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1260-6

Purification and NH2-terminal sequence of cytochrome P-450 from kidney microsomes of untreated male rats. Imaoka S, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):711-7

New substrates for enkephalinase (neutral endopeptidase) based on fluorescence energy transfer. Malfroy B, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):58-66

Dexamethasone coordinately inhibits plasminogen activator gene expression and enzyme activity in porcine kidney cells. Pearson D, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):329-36

Decreased level of calpain inhibitor activity in kidney from Milan hypertensive rats. Pontremoli S, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1287-94

Renal gamma-glutamyl transpeptidases: influence of glycosylation on the electrophoretic behavior and molecular weights of their subunits. Tate SS, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1189-94

Human prepro atrial natriuretic factors 26-55, 56-92, and 104-123 increase renal guanylate cyclase activity. Vesely DL, et al. **Biochem Biophys Res Commun** 1987 Feb 27; 143(1):186-93

The use of a monoclonal antibody for the rapid purification of kidney neutral endopeptidase ("enkephalinase") solubilized in octyl glucoside. Aubry M, et al. **Biochem Cell Biol** 1987 Apr;65(4):398-404

Activities of both ribonucleotide reductase subunits, M1 and M2, decrease upon serum starvation of baby hamster kidney 21/C13 cells. Cohen EA, et al. **Biochem Cell Biol** 1987 Jan;65(1):35-42

The activity of human kidney arylsulfatases A and B towards catecholamine sulfates. Demassieux S, et al. **Biochem Cell Biol** 1986 Oct;64(10):1044-8

Activities of NAD-and NADP-specific isocitrate dehydrogenases in kidney mitochondria of rachitic rat. Treves C, et al. **Biochem Cell Biol** 1986 Dec;64(12):1310-6

Effect of garlic oil extract on serum, liver and kidney enzymes of rats fed on high sucrose and alcohol diets. Adoga GI, et al. **Biochem Int** 1986 Oct;13(4):615-24

Ischaemia and tissue pyruvate dehydrogenase activities in the rat: a comparison of the effects of cervical dislocation and pentobarbital anaesthesia. French TJ, et al. **Biochem Int** 1986 Nov;13(5):843-52

The influence of fructose-1:6-bisphosphate on the release of glycolytic enzymes from cellular structure. Nanhua C, et al. **Biochem Int** 1986 Oct;13(4):539-46

Regulation of cytoplasmic poly(A) polymerase activity by dihydrotestosterone in the kidney of rat. Raju VS, et al. **Biochem Int** 1986 Dec;13(6):1037-44

Renal neuraminidase. Characterization in normal rat kidney and measurement in experimentally induced nephrotic syndrome. Baricos WH, et al. **Biochem J** 1986 Nov 1; 239(3):705-10

Characterization of meprin, a membrane-bound metalloendopeptidase from mouse kidney. Butler PE, et al. **Biochem J** 1987 Jan 1;241(1):229-35

Monoclonal antibodies against rat kidney gamma-glutamyl transpeptidase show species and tissue specificity. Green JA, et al. **Biochem J** 1986 Sep 15;238(3):913-7

Regulation of renal and hepatic pyruvate dehydrogenase complex on carbohydrate re-feeding after starvation. Possible mechanisms and a regulatory role for thyroid hormone. Holness MJ, et al. **Biochem J** 1987 Jan 15; 241(2):421-5

Regulation of arachidonic acid metabolism by cytochrome P-450 in rabbit kidney. Schwartzman ML, et al. **Biochem J** 1986 Aug 15;238(1):283-90

Kinetic comparisons of amniotic fluid inactive renin and renal renin using synthetic and human renin substrates. Franks RC, et al. **Biochem Med Metab Biol** 1986 Dec;36(3):333-9

Increase in renal cytochrome P-450 and NADPH cytochrome c reductase activity following drug inhibition of hepatic monooxygenase activity. Barry M, et al. **Biochem Pharmacol** 1987 Mar 1;36(5):768-9

Purification and properties of rat kidney UDP-glucuronosyltransferase. Coughtrie MW, et al. **Biochem Pharmacol** 1987 Jan 15;36(2):245-51

Induction of cytochrome P-448 activity as exemplified by the O-deethylation of ethoxyresorufin. Effects of dose, sex, tissue and animal species. Iwasaki K, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3879-84

Immunochemical and functional characterization of UDP-glucuronosyltransferases from rat liver, intestine and kidney. Koster AS, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):3971-5

Specific, high-affinity bradykinin binding by purified porcine kidney post-proline cleaving enzyme. Odya CE, et al. **Biochem Pharmacol** 1987 Jan 1;36(1):39-49

The effect of S-warfarin administration on vitamin K 2,3-epoxide reductase activity in liver, kidney and testis of the rat. Thijssen HH, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3277-82

Interaction of human calpains I and II with high molecular weight and low molecular weight kininogens and their heavy chain: mechanism of interaction and the role of divalent cations. Ishiguro H, et al. **Biochemistry** 1987 May 19;26(10):2863-70

Medium-chain acyl coenzyme A dehydrogenase from pig kidney has intrinsic enoyl coenzyme A hydratase activity. Lau SM, et al. **Biochemistry** 1986 Jul 29;25(15):4184-9

L-myo-inosose-1 as a probable intermediate in the reaction catalyzed by myo-inositol oxygenase. Naber NI, et al. **Biochemistry** 1986 Nov 4;25(22):7201-7

Genetic regulation of testosterone 15 alpha-hydroxylase (cytochrome P-450(15)alpha) in renal microsomes of female mice. Squires EJ, et al. **Biochemistry** 1986 Aug 26; 25(17):4913-8

Changes in the levels of translatable glutaminase mRNA during onset and recovery from metabolic acidosis. Tong J, et al. **Biochemistry** 1987 May 19;26(10):2773-7

Molecular cloning and sequence analysis of the (Na+ + K+)-ATPase beta subunit from dog kidney. Brown TA, et al. **Biochim Biophys Acta** 1987 Apr 8;912(2):244-53

The simultaneous hydrolysis of glutathione and glutamine by rat kidney gamma-glutamyltransferase. Cook ND, et al. **Biochim Biophys Acta** 1986 Oct 29;884(1):207-10

Intestinal and renal origin of trehalase activity in rabbit amniotic fluid. Morin PR, et al. **Biochim Biophys Acta** 1987 Mar 19;923(3):371-80

Bovine cytochrome c oxidases, purified from heart, skeletal muscle, liver and kidney, differ in the small subunits but show the same reaction kinetics with cytochrome c. Sinjorgo KM, et al. **Biochim Biophys Acta** 1987 Sep 10; 893(2):251-8

Inhibition of aminoacylase from hog kidney by 2-ethoxy-1-(ethoxycarbonyl)-1,2-dihydroquinoline. Löffler HG, et al. **Biol Chem Hoppe Seyler** 1987 May; 368(5):481-5

Metalloendopeptidases of the mouse kidney brush border: meprin and endopeptidase-24.11. Bond JS, et al. **Biomed Biochim Acta** 1986;45(11-12):1515-21

An improved method for adrenalectomy of suckling rats. The influence of thrombin treatment and deoxycorticosterone substitution on survival and on hepatic and renal enzyme activities. Schulze E, et al. **Biomed Biochim Acta** 1986;45(8):1049-56

Bone and kidney adenylate cyclase-stimulating activity produced by a hypercalcemic canine adenocarcinoma line (CAC-8) maintained in nude mice. Rosol TJ, et al. **Cancer Res** 1987 Feb 1;47(3):690-5

Characterization of N-acetyl-beta-D-galactosaminyltransferase from guinea-pig kidney involved in the biosynthesis of Sda antigen associated with Tamm-Horsfall glycoprotein. Serafini-Cessi F, et al. **Carbohydr Res** 1986 Aug 15; 151:65-76

Immunohistochemically demonstrated altered expression of cytochrome P-450 molecular forms and epoxide hydrolase in N-ethyl-N-hydroxyethylnitrosamine-induced rat kidney and liver lesions. Tsuda H, et al. **Carcinogenesis** 1987 May;8(5):711-7

Studies on ornithine decarboxylase from liver, kidney and tumoral tissues during activity decay following cycloheximide administration. Gravela E, et al. **Cell Biol Int Rep** 1987 Aug;11(8):573-82

Purification and characterization of an acidic beta-galactosidase from rabbit kidney. Páez de la Cadena M, et al. **Cell Mol Biol** 1987;33(1):35-43

The (Na+, K+)ATPase of rat kidney: purification, biosynthesis, and processing. Akayama M, et al. **Cell Struct Funct** 1986 Sep;11(3):259-71

Urinary enzyme excretion after a single dose of phenacetin and paracetamol (acetaminophen) during antidiuresis and during water diuresis. Metz U, et al. **Clin Chim Acta** 1986 Oct 31;160(2):151-5

NADH-dependent prostaglandin E2-9-ketoreductase activity and prostaglandin synthesis in the Brattleboro rat kidney: effects of the antidiuretic hormone. Rathaus M, et al. **Clin Chim Acta** 1986 Oct 31;160(2):205-10

Purification and characterization of glutathione S-transferases in human kidney. Tateoka N, et al. **Clin Chim Acta** 1987 Jul 15;166(2-3):207-18

Comparison of the effects of polyamines on the activities of RNA polymerases from murine normal tissues and transplantable tumors. Blair DG. **Comp Biochem Physiol [B]** 1986;85(4):833-44

Interspecies differences in rhodanese (thiosulfate sulfurtransferase, EC 2.8.1.1) activity in liver, kidney and plasma. Drawbaugh RB, et al. **Comp Biochem Physiol [B]** 1987;86(2):307-10

Acetate metabolism by tissues of the rabbit. Woodnutt G, et al. **Comp Biochem Physiol [B]** 1986;85(2):487-90

Meprin: a membrane-bound metallo-endopeptidase. Bond JS, et al. **Curr Top Cell Regul** 1986;28:263-90 (50 ref.)

Hydroxylation of 25-hydroxyvitamin D3 by renal mitochondria from rats of different ages. Ishida M, et al. **Endocrinology** 1987 Aug;121(2):443-8

Effect of androgen and estrogen treatment on hamster liver and kidney estrogen 2-/4-hydroxylase activity. Li SA, et al. **Endocrinology** 1986 Oct;119(4):1810-5

Comparison of kidney and brown adipose tissue iodothyronine 5'-deiodinases. Silva JE, et al. **Endocrinology** 1987 Aug;121(2):650-6

Effect of the X-linked Hyp mutation and vitamin D status on induction of renal 25-hydroxyvitamin D3-24-hydroxylase. Tenenhouse HS, et al. **Endocrinology** 1987 Feb;120(2):609-16

Characterization of two mutants of the LLC-PK1 porcine kidney cell line affected in the catalytic subunit of the cAMP-dependent protein kinase. Botterell SH, et al. **Eur J Biochem** 1987 Apr 1;164(1):39-44

Catalysis by hog-kidney aminoacylase does not involve a covalent intermediate. Röhm KH, et al. **Eur J Biochem** 1986 Oct 15;160(2):327-32

Cytoplasmic creatine kinase in normal and pathological human kidney tissue. González Buitrago JM, et al. **Eur Urol** 1987;13(1-2):100-2

Membrane translocation and insertion of NH2-terminally anchored gamma-glutamyl transpeptidase require a signal recognition particle. Tate SS, et al. **FEBS Lett** 1987 Jan 26;211(2):133-6

Hydrazone formation of 2,4-dinitrophenylhydrazine with pyrroloquinoline quinone in porcine kidney diamine oxidase. van der Meer RA, et al. **FEBS Lett** 1986 Sep 29; 206(1):111-4

A new regulatory gene in the histidine decarboxylase gene complex determines the responsiveness of the mouse kidney enzyme to testosterone. Middleton RJ, et al. **Genet Res** 1987 Feb;49(1):61-7

Evolution of steroid-inducible RP2 mRNA expression in the mouse kidney. Tseng-Crank J, et al. **Genetics** 1987 Aug; 116(4):593-9

Immunohistochemical distribution of renal prostaglandin endoperoxide synthase and prostacyclin synthase: diminished endoperoxide synthase in the hepatorenal syndrome. Govindarajan S, et al. **Hepatology** 1987 Jul-Aug; 7(4):654-9

Photographic microdensitometry for evaluation of acid phosphatase activity at the electron microscope level. Cabrini RL, et al. **Histochem J** 1986 Sep;18(9):481-6

Immunoelectron microscopic localization of D-amino acid oxidase in rat kidney and liver. Perotti ME, et al. **Histochem J** 1987 Mar;19(3):157-69

Localization of nucleotide pyrophosphatase in the rat kidney. Le Hir M, et al. **Histochemistry** 1986;86(2):207-10

Renal phospholipase C and diglyceride lipase activity in spontaneously hypertensive rats. Kawaguchi H, et al. **Hypertension** 1987 Jul;10(1):100-6

Serum and kidney beta-N-acetyl-D-glucosaminidase in vasectomized rhesus monkeys. Bansal N, et al. **Indian J Exp Biol** 1986 Nov;24(11):683-4

Purification and partial amino acid sequencing of bovine kidney alkaline phosphatase. Hsu HH, et al. **Int J Biochem** 1987;19(5):413-7

Heterogeneity of acid beta-galactosidase from rabbit kidney. Páez de la Cadena M, et al. **Int J Biochem** 1987;19(8):685-91

The excretion of renal enzymes during rest and exercise: a double-blind comparison between placebo and penbutolol. Verho M, et al. **Int J Clin Pharmacol Res** 1987;7(1):27-32

Enzymes of glucose and fatty acid metabolism of liver, kidney, skeletal muscle, adipose tissue and mammary gland of lactating and non-lactating sheep. Vernon RG, et al. **J Anim Sci** 1987 May;64(5):1395-411

Structures of galactose-containing oligosaccharides of alpha-mannosidase from porcine kidney. Kozutsumi Y, et al. **J Biochem (Tokyo)** 1986 Aug;100(2):505-12

13C-NMR studies of porcine kidney D-amino acid oxidase reconstituted with 13C-enriched flavin adenine dinucleotide. Effects of competitive inhibitors. Miura R, et al. **J Biochem (Tokyo)** 1987 Mar;101(3):581-9

Purified protein kinase C phosphorylates microtubule-associated protein 2. Akiyama T, et al. **J Biol Chem** 1986 Nov 25;261(33):15648-51

D-aspartate oxidase from beef kidney. Purification and

properties. Negri A, et al. **J Biol Chem** 1987 Jul 25; 262(21):10026–34

Selective thiol group modification renders fructose–1,6–bisphosphatase insensitive to fructose 2,6–bisphosphate inhibition. Reyes A, et al. **J Biol Chem** 1987 Jun 25;262(18):8451–4

Immunoreactivity and ouabain–dependent phosphorylation of (Na+ + K+)–adenosinetriphosphatase catalytic subunit doublets. Siegel GJ, et al. **J Biol Chem** 1986 Oct 15; 261(29):13768–76

Substrate specificities of rat kidney lysosomal and cytosolic alpha–D–mannosidases and effects of swainsonine suggest a role of the cytosolic enzyme in glycoprotein catabolism. Tulsiani DR, et al. **J Biol Chem** 1987 May 15; 262(14):6506–14

Multiple mRNAs from rat kidney and brain encode a single Na+,K+–ATPase beta subunit protein. Young RM, et al. **J Biol Chem** 1987 Apr 5;262(10):4905–10

Rapid chromatographic purification of dipeptidyl–aminopeptidase II from human kidney. Sakai T, et al. **J Chromatogr** 1987 Apr 24;416(1):131–7

Enzyme changes in the brain, liver and kidney following repeated administration of mercuric chloride. Mehra M, et al. **J Environ Pathol Toxicol Oncol** 1986 Sep–Dec; 7(1–2):65–71

Enzymatic histochemistry of mouse kidney in plastic. Pretlow TP, et al. **J Histochem Cytochem** 1987 Apr; 35(4):483–7

Compared effects of a low and a high sodium diet on the renal and urinary concentration and activity of kallikrein in normal rats. Bascands JL, et al. **J Hypertens** 1987 Jun; 5(3):311–5

Acid–activatable inactive renin in cat plasma and kidney. Glorioso N, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S6–9

Arachidonate epoxygenase: identification of epoxyeicosatrienoic acids in rabbit kidney. Falck JR, et al. **J Lipid Res** 1987 Jul;28(7):840–6

Inhibition of the mammalian beta–lactamase renal dipeptidase (dehydropeptidase–I) by (Z)–2–(acylamino)–3–substituted–propenoic acids. Graham DW, et al. **J Med Chem** 1987 Jun;30(6):1074–90

Angiotensin I converting enzyme activity in the kidney of bullfrog (Rana catesbeiana). Yamaguchi T, et al. **J Pharmacobiodyn** 1986 Jul;9(7):585–92

Effect of inhibition of gamma–glutamyltranspeptidase on biliary and urinary excretion of glutathione–derived thiols and methylmercury. Gregus Z, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):27–32

Effects of mono and divalent cations on total and partial reactions catalysed by pig kidney Na,K–ATPase. Beaugé L, et al. **J Physiol (Lond)** 1986 Jun;375:1–25

Human renal angiotensin I converting enzyme and neutral endopeptidase. Skidgel RA, et al. **Kidney Int [Suppl]** 1987 May;20:S45–8 (55 ref.)

Effects of gonadectomy and steroid treatment on renal prostaglandin 9–ketoreductase activity in the rat. Cagen LM, et al. **Life Sci** 1987 Jan 5;40(1):95–100

Age related changes of N–acetyl–beta–D–glucosaminidase and L–alanine aminopeptidase in mouse kidney, urine and plasma. Funakawa S, et al. **Life Sci** 1987 Mar 23; 40(12):1193–9

Role of insulin in the stimulation of renal 25–hydroxyvitamin D3–1 alpha–hydroxylase by phosphorus deprivation in rats. Ikeda K, et al. **Metabolism** 1987 Jun;36(6):555–7

Kynurenine–oxoglutarate aminotransferase from rat kidney. Tobes MC. **Methods Enzymol** 1987;142:217–24

Aromatic–L–amino acid decarboxylase from pig kidney. Voltattorni CB, et al. **Methods Enzymol** 1987;142:179–87

Phenylpyruvate–specific glutamine transaminase and renal ammoniagenesis. Kopyt N, et al. **Miner Electrolyte Metab** 1986;12(5–6):347–51

Relationship between renin mRNA and renin secretion in adrenalectomized, salt–depleted, or converting enzyme inhibitor–treated rats. Ludwig G, et al. **Mol Cell Endocrinol** 1987 Apr;50(3):223–9

Mechanism and relevance of glutathione mutagenicity. Ross D, et al. **Mutat Res** 1986 Nov;175(3):127–31

Appearance of enzymes in plasma or urine following renal injury. Maessen JG, et al. **Nephrol Dial Transplant** 1987; 2(1):17–21

Physiochemical properties of tissue alkaline phosphatase in IS rats. Fujise H, et al. **Nippon Juigaku Zasshi** 1987 Apr; 49(2):379–81

Alteration of rat hepatic 3 alpha–hydroxysteroid dehydrogenase zymogram by boiled renal extract. Matsuzawa T. **Nippon Juigaku Zasshi** 1986 Dec; 48(6):1237–40

Glucocorticoids control phosphoenolpyruvate carboxykinase gene expression in a tissue specific manner. Nechushtan H, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6405–17

A high–frequency RFLP at the human liver/bone/kidney–type alkaline phosphatase locus. Weiss MJ, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):860

Enzyme induction of renal transport mechanism by rifampicin in man? Brockmeyer NH, et al. **Pharmacol Ther** 1987;33(1):205–7

Effects of D–amino acids on growth rate and kidney D–amino acid oxidase in chicks. de Moraes GH, et al. **Poult Sci** 1987 Jan;66(1):98–102

A rapid purification procedure for camel kidney glutathione S–transferase. Hunaiti AA, et al. **Prep Biochem** 1987; 17(3):239–59

Serum concentrations of thyroid hormones and extrathyroidal thyroxine–5'–monodeiodinase activity during lactation in the rat. Kahl S, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):144–50

Hydrolase activities increase in the rat aorta with growth and aging but not in liver and kidney. Markle RA. **Proc Soc Exp Biol Med** 1986 Nov;183(2):169–76

Effects of a calcium channel agonist on renin release from perfused rat kidneys. Dietz JR. **Renal Physiol** 1986; 9(5):279–86

Role of dehydropeptidase–I in the metabolism of glutathione and its conjugates in the rat kidney. Hirota T, et al. **Res Commun Chem Pathol Pharmacol** 1987 May; 56(2):235–42

The use of a line scan ratemeter for the X–ray microanalytic evaluation of membrane–bound histochemical endproducts. Nagy I, et al. **Scan Electron Microsc** 1986;(Pt 2):725–34

[Type 1 hypocalcemic pseudo–deficiency rickets caused by renal 25–hydroxycholecalciferol 1–hydroxylase deficiency (apropos of 1 case)] el Harim–el Mdouar L, et al. **Maroc Med** 1986 Dec;8(4):450–5 (Eng. Abstr.) **(Fre)**

[Localization of beta–glucuronidase in the kidney of the white rat after administration of the antidiuretic hormone] Tishchenko NI, et al. **Arkh Anat Gistol Embriol** 1986 Oct; 91(10):71–6 (Eng. Abstr.) **(Rus)**

[Primary structure of the beta–subunit of Na+,K+–ATPase from the swine kidney. I. Analysis of products of trypsin hydrolysis of immobilized proteins] Arzamazova NM, et al. **Bioorg Khim** 1987 Jan;13(1):5–13 (Eng. Abstr.) **(Rus)**

[Primary structure of the beta–subunit of Na+,K+–ATPase from the swine kidney. II. Reverse transcription, cloning of mRNA, complete nucleotide sequence corresponding to the structural region of the gene] Broude NE, et al. **Bioorg Khim** 1987 Jan;13(1):14–9 (Eng. Abstr.) **(Rus)**

[Primary structure of the alpha–subunit of Na+,K+–ATPase from the swine kidney. III. Complete nucleotide sequence corresponding to the structural region of the gene] Monastyrskaia GS, et al. **Bioorg Khim** 1987 Jan;13(1):20–6 (Eng. Abstr.) **(Rus)**

[Endogenous inhibitor of cysteine proteases from the human kidney] Kirpichenok LN, et al. **Ukr Biokhim Zh** 1987 Jan–Feb;59(1):10–5 (Eng. Abstr.) **(Rus)**

[Activity of key redox enzymes in rabbits with different typologic features] Krakovskiĭ ME. **Zh Vyssh Nerv Deiat** 1987 May–Jun;37(3):457–61 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Influence of different protein intake on renal growth in young rats. Jakobsson B, et al. **Acta Paediatr Scand** 1987 Mar; 76(2):293–9

Unilateral vagotomy inhibits compensatory kidney growth after unilateral nephrectomy in rats. Gerendai I, et al. **Acta Physiol Hung** 1986;68(2):171–3

Pharmacologic probing of renal development in the neonatal rat. Gray JA, et al. **Biol Neonate** 1986;50(4):182–91

Maltase–glucoamylase and trehalase in the rabbit small intestine and kidney brush border membranes during postnatal development, the effects of hydrocortisone. Galand G. **Comp Biochem Physiol [A]** 1986;85(1):109–15

Ultrasound: a method for kidney size monitoring in children. Christophe C, et al. **Eur J Pediatr** 1986 Dec;145(6):532–8

Renal functional maturation: renal handling of proteins by mature and immature newborns. Galaske RG. **Eur J Pediatr** 1986 Oct;145(5):368–71

Effects of thyroid deficiency on the vasopressin receptors in the kidney of developing and adult rats. A comparative study of hormonal binding and adenylate cyclase activation. Ali M, et al. **Horm Metab Res** 1987 Mar; 19(3):115–21

Ageing changes in the bovine kidney. Monaghan ML, et al. **J Comp Pathol** 1986 Nov;96(6):699–710

Rat embryonic ectoderm as renal isograft. Svajger A, et al. **J Embryol Exp Morphol** 1986 Jun;94:1–27 (160 ref.)

Estrogen enhancement of androgen–induced renal growth in the male rat. Walsh JC, et al. **J Urol** 1987 Jan; 137(1):159–62

Ontogenesis of 28 kDa vitamin D–induced calcium–binding protein in human kidney. Mounier F, et al. **Kidney Int** 1987 Jan;31(1):121–9

Potassium depletion enhances renal compensatory hypertrophy in the nephrectomized rat. Peterson LN, et al. **Miner Electrolyte Metab** 1987;13(1):57–62

Morphologic correlates of renal growth arrest in neonatal partial ureteral obstruction. Chevalier RL, et al. **Pediatr Res** 1987 Apr;21(4):338–46

Polysialic acid units are spatially and temporally expressed in developing postnatal rat kidney. Roth J, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1969–73

Prostaglandins and the developing kidney. Gleason CA. **Semin Perinatol** 1987 Jan;11(1):12–21 (101 ref.)

Compensatory renal growth: interactions of nephrectomy serum and urine antisera leading to a new theory of renal growth regulation. Snow BW, et al. **Urol Res** 1987; 15(1):1–4

[Mitochondrial oxidative phosphorylation in the rat kidney during the perinatal period] Razanoelina M, et al. **C R Acad Sci [III]** 1987;304(10):251–4 (Eng. Abstr.) **(Fre)**

[Compensatory growth of the kidney. Effects of 3 antihistaminic drugs] Blanchard M, et al. **C R Soc Biol (Paris)** 1986;180(4):411–5 (Eng. Abstr.) **(Fre)**

[Does the antireflux operation promote growth of the kidneys? Apropos of 65 surgically treated children with a minimal follow–up of 4 years] Terdjman S, et al. **J Urol (Paris)** 1987;93(2):61–4 (Eng. Abstr.) **(Fre)**

[Development of kidney morphology and protein excretion in MWF/Ztm rats] Rittinghausen S, et al. **DTW** 1987 Feb 9;94(2):55–8 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Light chain cast nephropathy and acute renal failure associated with rifampin therapy. Renal disease akin to myeloma kidney. Soffer O, et al. **Am J Med** 1987 May; 82(5):1052–6

Expression of Ia antigens by murine kidney epithelium after exposure to streptozotocin. Farr AG, et al. **Am J Pathol** 1987 Mar;126(3):561–8

The origin of Ia antigen–expressing cells in the rat kidney. Gurner AC, et al. **Am J Pathol** 1987 May;127(2):342–8

Ricinus communis agglutinin I blocks the binding of human anti–renal basement membrane antibodies to the kidney. Yoshioka K, et al. **Am J Pathol** 1987 Mar;126(3):592–8

Mammalian kidney lectin. Matsumoto I, et al. **Carbohydr Res** 1986 Aug 15;151:261–70

Kidney–derived urinary antigens assayed with monoclonal antibodies for the detection of renal damage. Falkenberg FW, et al. **Clin Chim Acta** 1986 Oct 31;160(2):171–82

Immune deposits in oral mucosa, skin and kidney in patients with systemic lupus erythematosus. Jonsson R, et al. **Clin Exp Rheumatol** 1986 Jul–Sep;4(3):231–6

Chronic active hepatitis associated with liver–kidney microsomal antibody of an autoimmune type. Two familial cases. Buffet C, et al. **Dig Dis Sci** 1986 Nov;31(11):1273–6

A diagnostic marker of autoimmune chronic active hepatitis: liver plasma membrane antibody in the serum absorbed with particulate fraction of kidney homogenate. Toda G, et al. **Gastroenterol Jpn** 1987 Jun;22(3):303–11

Anti–liver–kidney microsome antibody is a marker for the rat hepatocyte endoplasmic reticulum. De Lemos–Chiarandini C, et al. **Hepatology** 1987 May–Jun; 7(3):468–75

Water–soluble form of RT1.A class I MHC molecules in the kidney and liver of the rat. Spencer SC, et al. **Immunogenetics** 1987;25(2):91–8

Release of thromboxane B2 and leukotriene C4 and reduction in renal perfusion in experimental anaphylactic reaction of isolated guinea pig kidney. Assem ES, et al. **Int Arch Allergy Appl Immunol** 1987;82(2):212–4

Monoclonal antibody G 250 recognizes a determinant present in renal–cell carcinoma and absent from normal kidney. Oosterwijk E, et al. **Int J Cancer** 1986 Oct 15;38(4):489–94

Light chains and the kidney. Bradley JR, et al. **J Clin Pathol** 1987 Jan;40(1):53–60

Two–color flow cytometry and functional analysis of lymphocytes cultured from human renal allografts: identification of a Leu–2+3+ subpopulation. Preffer FI, et al. **J Immunol** 1986 Nov 1;137(9):2823–30

Immunopathological studies on thyroid immunity. IX. Thyroid and renal amyloidosis in thyroglobulin immunized rabbits. Blumenthal HT, et al. **J Pathol** 1987 Apr; 151(4):305–14

Detection of leptospiral antigen in the human liver and kidney using an immunoperoxidase staining procedure. Ferreira Alves VA, et al. **J Pathol** 1987 Feb;151(2):125–31

Characterization of a kidney antigen defined by a mouse monoclonal antibody K2.7. Kinouchi T, et al. **J Urol** 1987 Jan;137(1):151–4

Cell–protective monoclonal antibodies to bovine enterovirus–3 and partial or no activity against other serotypes. Teyssedou E, et al. **J Virol** 1987 Jun;61(6):2050–3

Intrarenal hemodynamic alterations induced by anti–GBM antibody. Boyce NW, et al. **Kidney Int** 1987 Jan;31(1):8–14

Immunohistochemical study of the C5b–9 complex of complement in human kidneys. Hinglais N, et al. **Kidney Int** 1986 Sep;30(3):399–410

Immunoelectron microscopy in kidney research: some contributions and limitations. Kerjaschki D, et al. **Kidney Int** 1986 Aug;30(2):229–45 (98 ref.)

Immunoanatomic distribution of blood group antigens in the human urinary tract. Influence of secretor status. Cordon–Cardo C, et al. **Lab Invest** 1986 Oct;55(4):444–54

Relationship between renal pathology and the size of circulating immune complexes in patients with systemic lupus erythematosus. Wener MH, et al. **Medicine (Baltimore)** 1987 Mar;66(2):85–97

Immunofluorescence for IgG and C3 in the swine kidney with trypsin–treated paraffin section: the influence of condition of formalin–fixation. Shirota K, et al. **Nippon Juigaku Zasshi** 1986 Aug;48(4):851–4

A new serological reaction in patients with polymyalgia rheumatica and/or giant cell (temporal) arteritis: deposition of complement C4 and C3 components on rat kidney structures detected by indirect immunofluorescence. Vaith P, et al. **Rheumatol Int** 1986;6(6):255–61

Functional analysis of T cell subsets and clones in human renal allograft rejection. Stegagno M, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):394–7

Patterns of HLA antigen expression in human kidney disease. Wadgymar A, et al. **Transplant Proc** 1987 Aug;19(4):3410–4

Urinary kidney–derived antigens determined by tests built on monoclonal antibodies: new markers for kidney damage. Falkenberg FW, et al. **Uremia Invest** 1985–86;9(2):103–10

Immunization and culture of rainbow trout organ sections

in vitro. Anderson DP, et al.
Vet Immunol Immunopathol 1986 Jun;12(1–4):203–11
[Phylogenic distribution of human renal antigens defined by monoclonal antibodies] Candelier JJ, et al.
C R Acad Sci [III] 1986;303(1):1–6 (Eng. Abstr.) **(Fre)**
[Difference in the positivity of antinuclear antibodies in pediatrics using rat kidney and human epithelial cells as a source of antigens] Arroyave CM, et al.
Bol Med Hosp Infant Mex 1986 Aug;43(8):478–81 (Eng. Abstr.) **(Spa)**
[Systematic study with immunofluorescence of autopsy kidneys] Combalia Soriano N, et al. **Rev Clin Esp** 1986 Dec;179(9):439–42 (Eng. Abstr.) **(Spa)**

INJURIES

Renal function in normal and kidney traumatized germfree rats. Visy M, et al. **Acta Microbiol Hung** 1987;34(1):3–10
Diagnostic and treatment problems in renal injuries. Wilson RF, et al. **Am Surg** 1987 Jul;53(7):399–402
Evaluation of emergency IVP use [letter] Wears RL.
Ann Emerg Med 1986 Nov;15(11):1375–6
Asymptomatic bullet lodged in the kidney for five years. Amar AD, et al. **Br J Urol** 1987 Mar;59(3):283–4
Long–term results of conservative and surgical management of blunt renal lacerations. Cass AS, et al. **Br J Urol** 1987 Jan;59(1):17–20
Conservative management of renal lacerations in blunt trauma. Roberts RA, et al. **Can J Surg** 1987 Jul;30(4):253–5
Embolization of blunt trauma in the pediatric patient. Pilla TJ, et al. **Cardiovasc Intervent Radiol** 1987;10(3):153–6
The contused kidney, an angiographic picture. van Wiechen PJ, et al. **Diagn Imag Clin Med** 1986;55(4–5):270–2
Therapeutic embolization of renal artery to control severe hypertension due to renal trauma. Cotroneo AR, et al.
Eur J Radiol 1987 May;7(2):147–8
Side effects of extracorporeal shock–wave exposure in patients treated by extracorporeal shock–wave lithotripsy for upper urinary tract stone. Kishimoto T, et al.
Eur Urol 1986;12(5):308–13
Management of blunt renal trauma. Gupta NP, et al.
Indian J Med Sci 1987 Mar;41(3):54–7
Blunt renal injury—an experience of 30 cases. Singh PB, et al. **Injury** 1986 Jul;17(4):228–9
Renal trauma and the intravenous urogram. Oakland CD, et al. **J R Soc Med** 1987 Jan;80(1):21–2
Intravenous pyelogram results in association with renal pathology and therapy in trauma patients. Bergren CT, et al. **J Trauma** 1987 May;27(5):515–8
The effects of treatment of renal trauma on renal function. McGonigal MD, et al. **J Trauma** 1987 May;27(5):471–6
Renal trauma in rural Virginia. Yarbro ES, et al.
J Trauma 1987 Aug;27(8):940–2
Percutaneous nephrostomy: assessment of renal damage associated with semi–rigid (24F) and balloon (36F) dilation. Clayman RV, et al. **J Urol** 1987 Jul;138(1):203–6
Re: Renal trauma: evaluation by computerized tomography [letter] Hassett JM Jr. **J Urol** 1987 May;137(5):1006
Ultrasound in patients with blunt renal trauma managed by surgery. Jakse G, et al. **J Urol** 1987 Jul;138(1):21–3
Re: Traumatic amputation of the left lower renal pole in children [letter] Peterson NE. **J Urol** 1987 May; 137(5):1006–7
Selective diagnostic uroradiography for trauma. Peterson NE, et al. **J Urol** 1987 Mar;137(3):449–51
Renal trauma: a local experience. Mack On–Pui P, et al.
Med J Malaysia 1985 Dec;40(4):312–6
Unusual renal mass in a newborn infant. Newman B, et al.
Radiology 1987 Apr;163(1):193–4
Comparison of IVP and CT findings in patients with suspected severe renal injury. Cass AS, et al. **Urology** 1987 May;29(5):484–7
Renal failure and mortality after nephrectomy for severe trauma in multiply–injured patient: no inordinate risk. Cass AS, et al. **Urology** 1987 Sep;30(3):213–5
[Repair of severe renal trauma] Chao ZF, et al.
Chung Hua Wai Ko Tsa Chih 1986 Aug;24(8):492–3, 511 (Eng. Abstr.) **(Chi)**
[A preliminary report on renal angiography and selective renal embolization in the management of renal trauma] Gu TH, et al. **Chung Hua Wai Ko Tsa Chih** 1987 Mar; 25(3):173–4, 190 (Eng. Abstr.) **(Chi)**
[Ligation for heminephrectomy] Zhang YH, et al.
Chung Hua Wai Ko Tsa Chih 1986 Oct;24(10):622–3, 640 (Eng. Abstr.) **(Chi)**
[Current diagnosis of pediatric kidney trauma: consequences for therapy planning] van Ahlen H, et al. **Urologe [A]** 1987 Mar;26(2):88–93 (Eng. Abstr.) **(Ger)**
[Catheter embolization in the management of patients with kidney injuries] Engloner L, et al. **Orv Hetil** 1987 Apr 5; 128(14):731–3 (Eng. Abstr.) **(Hun)**
[A case of xanthogranulomatous pyelonephritis probably derived from a renal injury] Murayama K, et al.
Hinyokika Kiyo 1987 Apr;33(4):592–5 (Eng. Abstr.) **(Jpn)**
[A case of traumatic renal artery thrombosis] Sato N, et al.
Hinyokika Kiyo 1987 Mar;33(3):400–4 (Eng. Abstr.) **(Jpn)**
[Clinical study of the surgical indications in renal trauma] Okada K, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jun; 77(6):1000–5 (Eng. Abstr.) **(Jpn)**
[Closed injuries of the kidneys] Kossakowski JS, et al.
Wiad Lek 1987 Feb 1;40(3):191–8 (Eng. Abstr.) **(Pol)**
[Angiographic diagnosis of combined injuries of the spleen and left kidney] Akhadov TA, et al. **Khirurgiia (Mosk)** 1986 Nov;(11):135–6 **(Rus)**
[Use of the CO2–laser to arrest bleeding and hermetically seal wounds of the kidney and liver] Polianskiĭ VK, et al.
Khirurgiia (Mosk) 1987 May;(5):78–81 (Eng. Abstr.) **(Rus)**
[Angiography in the diagnosis of complications in the late period after kidney injury] Zingerman LS, et al.
Khirurgiia (Mosk) 1986 Dec;(12):101–5 **(Rus)**
[Ultrasonic diagnosis of closed kidney injuries in children] Derzhavin VM, et al. **Vestn Khir** 1986 Sep;137(9):116–8 **(Rus)**
[Clinico–anatomical basis of the mechanism of blunt trauma to the kidneys and the prevention of adrenal insufficiency during left–sided nephrectomy] Ibatullin IA, et al.
Vestn Khir 1987 Apr;138(4):72–5 (Eng. Abstr.) **(Rus)**
[Non–penetrating renal injuries: apropos of 51 cases] Herranz Amo F, et al. **Actas Urol Esp** 1987 Jan–Feb;11(1):41–6 (Eng. Abstr.) **(Spa)**

INNERVATION

Influence of afferent renal nerve activity on contralateral renal overflow of noradrenaline and dopamine to plasma in the dog. Bradley T, et al. **Acta Physiol Scand** 1986 Sep; 128(1):119–20
Effect of hypotension induced by sodium nitroprusside on catecholamine overflow in the canine kidney. Bradley T, et al. **Acta Physiol Scand** 1986 Oct;128(2):305–8
Effect of stimulation of afferent renal nerves on plasma levels of vasopressin. Caverson MM, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):R801–7
Vasopressin facilitates inhibition of renal nerve activity mediated through vagal afferents. Gupta BN, et al.
Am J Physiol 1987 Jul;253(1 Pt 2):H1–7
Inhibition of renal sympathetic nervous activity by area postrema stimulation in rabbits. Hasser EM, et al.
Am J Physiol 1987 Jul;253(1 Pt 2):H91–9
Alterations in cardiac [14C]deoxyglucose uptake induced by two renal afferent stimuli. Herman NL, et al.
Am J Physiol 1986 Nov;251(5 Pt 2):R867–77
Renal nerves mediate blunted natriuresis to atrial natriuretic peptide in cirrhotic rats. Koepke JP, et al.
Am J Physiol 1987 May;252(5 Pt 2):R1019–23
Role of renal nerves in compensatory adaptation to chronic reductions in sodium intake. Mizelle HL, et al.
Am J Physiol 1987 Feb;252(2 Pt 2):F291–8
Renal nerves and renal responses to head–up tilt in dogs. Peterson TV, et al. **Am J Physiol** 1987 May;252(5 Pt 2):R979–86
Ontogeny of renal hemodynamic response to renal nerve stimulation in sheep. Robillard JE, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F605–12
Acute renal denervation produces a diuresis and natriuresis in young SHR but not WKY rats. Rudd MA, et al.
Am J Physiol 1986 Oct;251(4 Pt 2):F655–61
Inhibition of renal nerve sympathetic activity by spinal stimulation in rat. Schramm LP, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):R514–25
Effect of sympathetic sensitization of baroreceptors on renal nerve activity. Seagard JL, et al. **Am J Physiol** 1987 Feb; 252(2 Pt 2):R328–35
Cells of origin of the sympathetic renal innervation in rat. Sripairojthikoon W, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F957–63
Activation of vagal depressor reflexes by atriopeptins inhibits renal sympathetic nerve activity. Thorén P, et al.
Am J Physiol 1986 Dec;251(6 Pt 2):H1252–9
Pressoreceptor modulation of renal but not splenic sympathetic reflexes. Tobey JC, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):R26–33
Adrenergic and angiotensin II influences on renal vascular tone in chronic sodium depletion. Tucker BJ, et al.
Am J Physiol 1987 May;252(5 Pt 2):F811–7
Alpha 2–adrenoceptors in amygdala control renal sympathetic nerve activity and renal function in conscious spontaneously hypertensive rats. Koepke JP, et al.
Brain Res 1987 Feb 24;404(1–2):80–8
Renal vascular adjustments to partial renal venous obstruction in dog kidney. Abildgaard U, et al.
Circ Res 1987 Aug;61(2):194–202
Effects of methylprednisolone on renal nerve response to stimulation of medullary pressor area in endotoxin–induced hypotension. Koyama S. **Circ Shock** 1986;20(3):205–15
Effect of renal denervation on the development of cellophane–wrap hypertension in rabbits. Kline RL, et al.
Clin Exp Hypertens [A] 1986;8(8):1327–42
Neuropeptide Y (NPY)–like immunoreactivity in peripheral and central nerve fibres of the golden hamster (Mesocricetus auratus) with special respect to pineal gland innervation. Schröder H. **Histochemistry** 1986;85(4):321–5
Effects of acute renal denervation on kidney function in deoxycorticosterone acetate–hypertensive swine. Ciccone CD, et al. **Hypertension** 1986 Oct;8(10):925–31
Role of renal alpha 2–adrenergic receptors in spontaneously hypertensive rats. DiBona GF, et al. **Hypertension** 1987 Jan;9(1):41–8
Impaired renorenal reflexes in spontaneously hypertensive rats. Kopp UC, et al. **Hypertension** 1987 Jan;9(1):69–75
Renal alpha 2–adrenergic receptors and hypertension. Pettinger WA. **Hypertension** 1987 Jan;9(1):3–6
Effects of angiotensin inhibition and renal denervation in two–kidney, one clip hypertensive rats. Rademacher R, et al. **Hypertension** 1986 Dec;8(12):1127–34
Impaired responses of sympathetic nerves to cardiac receptor stimulation in hypertension. Thames MD. **Hypertension** 1987 May;9(5):478–84
Renal nerves and the pathogenesis of angiotensin–induced hypertension. Vari RC, et al. **Hypertension** 1987 Apr; 9(4):345–9
Responses of sympathetic nerves to programmed ventricular stimulation. Herre JM, et al. **J Am Coll Cardiol** 1987 Jan; 9(1):147–53
Cardiac, respiratory, and renal responses to stimulation of the external cuneate nucleus. Dean C, et al.
J Appl Physiol 1987 Jul;63(1):158–66
Reflex responses to baroreceptor, chemoreceptor and nociceptor inputs in single renal sympathetic neurones in the rabbit and the effects of anaesthesia on them. Dorward PK, et al. **J Auton Nerv Syst** 1987 Jan;18(1):39–54
Effect of afferent renal nerve stimulation on blood pressure, heart rate and noradrenergic activity in conscious rats. Patel KP, et al. **J Auton Nerv Syst** 1986 Oct;17(2):121–30
Role of renal nerve activity, plasma catecholamines and plasma vasopressin in cardiovascular responses to intracisternal neurotoxins in the rabbit. Pilowsky PM, et al. **J Auton Nerv Syst** 1986 Oct;17(2):109–20
Alpha 1–adrenoceptor blockade and altered renal alpha 2–adrenoceptors: a model(?) for the study of genetically altered alpha 2–adrenoceptors in hypertensive rats. Smyth DD, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S205–8
Vesicular storage of 3,4–dihydroxyphenylethylamine and noradrenaline in terminal sympathetic nerves of dog spleen and kidney. Muller BD, et al. **J Neurochem** 1986 Nov; 47(5):1370–5
Enhanced renal sympathetic nerve activity in response to salt loading in rats. Yamazaki H, et al. **Jpn Circ J** 1986 May;50(5):442–8
Dissociation between changes in renal nerve activity and renal vascular resistance in conscious dogs. Morita H.
Jpn J Physiol 1986;36(3):585–93
The action of a substance P antagonist on sympathetic nerve activity in the rat. Yusof AP, et al. **Neurosci Lett** 1987 Apr 10;75(3):329–33
Effects of ethanol on sympathetic renal nerve activity and baroreceptor sensitivity in anesthetized rabbits. Rhee HM. **Neurotoxicology** 1986 Summer;7(2):279–85
Reflex inhibition of efferent renal sympathetic nerve activity by 5–hydroxytryptamine and nicotine is elicited by different epicardial receptors. Mohr B, et al.
Pflugers Arch 1987 Jun;409(1–2):145–51
The role of the sympathetic nervous system in the regulation of ultradian rhythms in urine excretions. Gordon C, et al.
Physiol Behav 1986;38(3):307–13
Intrathecal vasopressin administration alters efferent renal nerve activity. Riphagen CL, et al.
Proc West Pharmacol Soc 1987;30:175–7
[Role of the renal nerve in natriuresis induced by intracerebroventricular injection of hypertonic saline in conscious rabbits] Wang YX, et al.
Sheng Li Hsueh Pao 1987 Feb;39(1):26–32 (Eng. Abstr.) **(Chi)**
[Cardiovascular and respiratory reflexes resulting from capsaicin–stimulated renal afferent receptors in dogs] Obba H, et al. **Nippon Jinzo Gakkai Shi** 1986 Aug;28(8):1171–7 (Eng. Abstr.) **(Jpn)**
[Morphology of adrenergic and cholinergic innervation of the kidney as affected by spontaneous and ischemic renal hypertension in rats] Stebakova LN, et al.
Biull Eksp Biol Med 1986 Nov;102(11):609–12 (Eng. Abstr.) **(Rus)**
[Changes in efferent activity in the renal nerve and autonomic responses to GABA injections into structures of the ventrolateral surface of the medulla oblongata of the cat] Shapoval LN, et al. **Neirofiziologiia** 1987;19(3):327–34 (Eng. Abstr.) **(Rus)**
[Functional importance of the kidney nerves] Gyrchev RA.
Usp Fiziol Nauk 1986 Oct–Dec;17(4):105–10 (27 ref.) **(Rus)**

METABOLISM

Renal handling of thyroxine, 3,5,3'– and 3,3',5'–triiodothyronine, 3,3'– and 3',5'–diiodothyronine in man. Faber J, et al. **Acta Endocrinol (Copenh)** 1987 May; 115(1):144–8
End–organ resistance to PTH infusion in hypercalcaemic and normocalcaemic patients with solid tumours. Naafs MA, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):543–50
Immunoreactivity of PTH–binding in intact bovine kidney tissue and cultured cortical kidney cells indicative for specific receptors. Niendorf A, et al.
Acta Endocrinol [Suppl] (Copenh) 1987;281:207–11
Protein intake during weaning. II. Metabolic responses. Axelsson I, et al. **Acta Paediatr Scand** 1987 May; 76(3):457–62
Low molecular weight targets of metals in human kidney. Templeton DM, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:416–23
Renin–angiotensin system and renal excretory function under conditions of hypovolemia and limited sodium intake. Piryova B, et al. **Acta Physiol Pharmacol Bulg** 1986; 12(2):21–6
ACTH–mediated aldosterone hypersecretion during endotoxin–induced fever with apparent influence upon

renal sodium excretion. Andersson B, et al. **Acta Physiol Scand** 1987 Apr;129(4):451–8

Renal degradation and distribution between urinary and venous output of prostaglandins E2 and I2. Bugge JF, et al. **Acta Physiol Scand** 1987 Jul;130(3):467–74

Renal and hormonal responses to atrial natriuretic peptide infusions in goats on high and low sodium intake. Olsson K, et al. **Acta Physiol Scand** 1987 Aug;130(4):585–91

Modelling of pharmacokinetics in rats with decreased renal function induced by surgical reduction of renal parenchyma. Morávek J, et al. **Acta Univ Carol [Med] (Praha)** 1985;31(7–8):435–62

Nephrotoxic amino acid and glutathione S-conjugates: formation and renal activation. Anders MW, et al. **Adv Exp Med Biol** 1986;197:443–55

Renal tissue oxygenation during pulsatile and nonpulsatile left heart bypass. Beran AV, et al. **Adv Exp Med Biol** 1973; 37A:407–15

Homeostasis of oxygen supply in liver and kidney. Kessler M, et al. **Adv Exp Med Biol** 1973;37A:351–60

Piperonyl butoxide reduces salicylate-induced nephrotoxicity and covalent binding in male rats. Kyle ME, et al. **Adv Exp Med Biol** 1986;197:717–26

3H-bradykinin binding site localization in guinea pig urinary system. Manning DC, et al. **Adv Exp Med Biol** 1986;198 Pt A:563–70

Effects of glucagon on renal and extrarenal handling of Pi in rodents: evidence for Pi mobilizing activity. Mühlbauer RC, et al. **Adv Exp Med Biol** 1986;208:155–62

Regulation of Na-phosphate cotransport in cultured renal epithelial cells: protein-synthesis-dependent and protein-synthesis-independent pathways. Murer H, et al. **Adv Exp Med Biol** 1986;208:73–82 (20 ref.)

Comprehensive studies on the renal kallikrein-kinin system in essential hypertension. Nakahashi Y, et al. **Adv Exp Med Biol** 1986;198 Pt B:351–7

Metabolism of bradykinin in isolated perfused rat kidney. Measurement of kininase activity in perfusate and urine. Ogihara T, et al. **Adv Exp Med Biol** 1986;198 Pt A:367–73

Tissue distribution and covalent binding of [14C]1,1-dichloroethylene in mice: in vivo and in vitro studies. Okine LK, et al. **Adv Exp Med Biol** 1986; 197:903–10

Metabolism of purine nucleotide in the liver and kidney of castrated rats. Pizzichini M, et al. **Adv Exp Med Biol** 1986; 195 Pt B:377–80

Local and whole organ renal oxygenation under hemorrhagic shock. Strauss J, et al. **Adv Exp Med Biol** 1973;37A:485–9

Renal histamine: release by immune stimuli. Assem ES, et al. **Agents Actions** 1986 Nov;19(3–4):141–9

Copper and zinc status during acute inflammation: studies on blood, liver and kidneys metal levels in normal and inflamed rats. Milanino R, et al. **Agents Actions** 1986 Nov; 19(3–4):215–23

Influence of renal function on the pharmacokinetics of ramipril (HOE 498). Debusmann ER, et al. **Am J Cardiol** 1987 Apr 24;59(10):70D–78D

Why do the kidneys release renin in patients with congestive heart failure? A nephrocentric view of converting-enzyme inhibition. Packer M. **Am J Cardiol** 1987 Jul 1;60(1):179–84

Urinary prostaglandin E2 excretion, sodium retention, and diuretic responsiveness in patients with chronic liver disease. Rector WG Jr. **Am J Gastroenterol** 1987 Apr; 82(4):347–51

Role of bone and kidney in tumor-induced hypercalcemia and its treatment with bisphosphonate and sodium chloride. Harinck HI, et al. **Am J Med** 1987 Jun;82(6):1133–42

Effects of age on renal sodium homeostasis and its relevance to sodium sensitivity. Luft FC, et al. **Am J Med** 1987 Jan 26;82(1B):9–15 (30 ref.)

Mechanisms and regulation of renal H+ and HCO3- transport. Breyer MD, et al. **Am J Nephrol** 1987;7(2):150–61 (109 ref.)

Renal excretion of calcium in human hypertension. Gennari C, et al. **Am J Nephrol** 1986;6 Suppl 1:124–7

Interpretation of the urine electrolytes and osmolality in the regulation of body fluid tonicity. Halperin ML, et al. **Am J Nephrol** 1986;6(4):241–5

Calcium-stimulated synthesis of vasodilator renal microvascular prostanoids. Kirschenbaum MA, et al. **Am J Nephrol** 1986;6 Suppl 1:46–8

Localization of S protein and its relationship to the membrane attack complex of complement in renal tissue. Falk RJ, et al. **Am J Pathol** 1987 Apr;127(1):182–90

31P-NMR in vivo measurement of renal intracellular pH: effects of acidosis and K+ depletion in rats. Adam WR, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F904–10

Determinants of mitochondrial O2 dependence in kidney. Aw TY, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F440–7

Increased release of norepinephrine and dopamine from canine kidney during bilateral carotid occlusion. Bradley T, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):F240–5

Fluctuations in intracellular pH associated with vasopressin stimulation. Brem AS, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F897–903

Intrarenal generation of angiotensin II evaluated by an electrophysiological technique. Bührle CP, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F635–44

Vasopressin increases cytosolic free calcium in LLC-PK1 cells through a V1-receptor. Burnatowska-Hledin MA, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F328–32

Interleukin-1 decreases renal sodium reabsorption: possible mechanism of endotoxin-induced natriuresis. Caverzasio J, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F943–6

Calcium and renal adaptation to a phosphate load in the thyroparathyroidectomized rat. Cheng L, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F777–83

Regulation of cytosolic free calcium concentration in cultured renal epithelial cells. Cheung JY, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):F690–701

A dual mechanism for regulation of kidney phosphate transport by parathyroid hormone. Cole JA, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):E221–7

Inhibition by amiloride analogues of Na+-dependent hexose uptake in LLC-PK1/Cl4 cells. Cook JS, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):C199–204

Renal handling of cadmium in perfused rat kidney and effects on renal function and tissue composition. Diamond GL, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F784–94

Postischemic hemodynamics and recovery of renal adenosine triphosphate. Gaudio KM, et al. **Am J Physiol** 1986 Oct; 251(4 Pt 2):F603–9

Renal substrate utilization in normal and acidotic rats. Goldstein L. **Am J Physiol** 1987 Aug;253(2 Pt 2):F351–7

Effects of gluco- and antiglucocorticoids on renal and aortic prostaglandin synthesis. Grünfeld JP, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F810–6

Precursors of ribose 5-phosphate suppress expression of glucose-regulated proteins in LLC-PK1 cells. Gstraunthaler G, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):C239–43

Isolation, growth, and characterization of a gluconeogenic strain of renal cells. Gstraunthaler G, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):C232–8

Plasma glutamine and renal ammoniagenesis in dogs with chronic metabolic acidosis. Halperin ML, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F474–9

Effects of vasoactive peptides on cytosolic calcium in cultured mesangial cells. Hassid A, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):F1018–28

Amiloride interacts with renal alpha- and beta-adrenergic receptors. Howard MJ, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F21–5

Mechanism of NaCl transport-stimulated prostaglandin formation in MDCK cells. Kurtz A, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):C307–14

Interactions between ADH and prostaglandins in isolated erythrocyte-perfused rat kidney. Lieberthal W, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):F331–7

Renal metabolism of amino acids in vivo: studies on serine and glycine fluxes. Lowry M, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):F304–9

Coupling of aerobic glycolysis and Na+-K+-ATPase in renal cell line MDCK. Lynch RM, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):C269–76

Energy metabolism of renal cell lines, A6 and MDCK: regulation by Na-K-ATPase. Lynch RM, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):C225–31

Lysine uptake by rat renal brush-border membrane vesicles. McNamara PD, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):F734–42

Inhibition of epithelial Na+ transport by atriopeptin, protein kinase c, and pertussis toxin. Mohrmann M, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F372–6

Functional significance of exaggerated renal thromboxane A2 synthesis induced by cyclosporin A. Perico N, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):F581–7

Enhanced cAMP response to vasopressin in the CCT of DOCA-Na hypertensive rats. Pettinger WA, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):F1096–100

Renal alpha 2-adrenoceptors and the adenylate cyclase-cAMP system: biochemical and physiological interactions. Pettinger WA, et al. **Am J Physiol** 1987 Feb; 252(2 Pt 2):F199–208 (100 ref.)

Cholesterol content and water and solute permeabilities of kidney membranes from aging rats. Pratz J, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):R8–14

Evidence for a high-affinity sodium-dependent D-glucose transport system in the kidney. Quamme GA, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F151–7

N-ethoxycarbonyl-2-ethoxy-1,2-dihydroquinoline, amiloride analogues, and renal Na+/H+ antiporter. Rocco VK, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F517–24

De novo intrarenal formation of angiotensin II during control and enhanced renin secretion. Rosivall L, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1118–23

Effect of insulin on renal potassium metabolism. Rossetti L, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F60–4

Clearance of human platelet factor 4 by liver and kidney: its alteration by heparin. Rucinski B, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):H800–7

Renal clearance of glutathione measured in rats pretreated with inhibitors of glutathione metabolism. Scott RD, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F877–82

Kinetics of the Na+-H+ antiporter as assessed by the change in intracellular pH in MDCK cells. Selvaggio AM, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):C558–62

Renin heterogeneity in stroke-prone hypertensive and normotensive rats. Sessler FM, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):E367–72

Effects of renal perfusion pressure on the natriuresis induced by atrial natriuretic factor. Seymour AA, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F234–8

Mineralocorticoid specificity of renal type I receptors: in vivo binding studies. Sheppard K, et al. **Am J Physiol** 1987 Feb; 252(2 Pt 1):E224–9

Effect of bicarbonate and phosphate on renal phosphate leak in experimental Fanconi syndrome. Shvil Y, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):F310–6

Two renal alpha 2-adrenergic receptor sites revealed by p-aminoclonidine binding. Sripanidkulchai B, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):F283–90

Localization of alpha 2-adrenoceptor-mediated increase in renal Na+, K+, and water excretion. Stanton B, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1016–21

Chronic hypercapnia enhances Vmax of Na-H antiporter of renal brush-border membranes. Talor Z, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F394–400

Time-dependent apical membrane K+ and Na+ selectivity in cultured kidney cells. Thomas SR, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):C1–6

Aging changes in renal handling of p-aminohippurate. Wabner CL, et al. **Am J Physiol** 1987 May;252(5 Pt 2):R871–7

Effects of fasting on citrate transport by the brush-border membrane of rat kidney. Windus DW, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):F678–82

Pharmacokinetics and renal clearance of sulfamethazine, sulfamerazine, and sulfadiazine and their N4-acetyl and hydroxy metabolites in horses. Nouws JF, et al. **Am J Vet Res** 1987 Mar;48(3):392–402

Effective renal blood flow and renal energy charge in murine peritonitis. Haybron DM, et al. **Am Surg** 1986 Dec; 52(12):625–9

Calcium-binding protein (28,000 Mr calbindin-D28k) in kidneys of the bullfrog Rana catesbeiana during metamorphosis. Rhoten WB, et al. **Anat Rec** 1986 Oct; 216(2):127–32

Temporal relation between a hepatic erythropoietic factor and the site of rat erythropoietin production. Dornfest BS, et al. **Ann Clin Lab Sci** 1986 Sep-Oct;16(5):412–8

New sodium hydroxide digestion method for measurement of renal tobramycin concentrations. Gilbert DN, et al. **Antimicrob Agents Chemother** 1986 Sep;30(3):361–5

Pharmacokinetics of ticarcillin and clavulanic acid (timentin) in relation to renal function. Jungbluth GL, et al. **Antimicrob Agents Chemother** 1986 Dec;30(6):896–900

Pharmacokinetics of cefmenoxime in patients with impaired renal function and in those undergoing hemodialysis. Konishi K. **Antimicrob Agents Chemother** 1986 Dec; 30(6):901–5

Correlation between renal membrane binding and nephrotoxicity of aminoglycosides. Williams PD, et al. **Antimicrob Agents Chemother** 1987 Apr;31(4):570–4

Renal response to arginine vasopressin in premature infants with late hyponatraemia. Kovács L, et al. **Arch Dis Child** 1986 Oct;61(10):1030–2

Cadmium, zinc and copper relationships in kidney and liver of humans exposed to environmental cadmium. Honda R, et al. **Arch Toxicol** 1987 Apr;59(6):437–42

Drug transport in intestine, liver and kidney. Schwenk M. **Arch Toxicol** 1987;60(1–3):37–42 (18 ref.)

Effect of clofibrate on DNA synthesis in rat liver and kidney. Seifert J, et al. **Arch Toxicol** 1987;60(1–3):131–2

The effect of dilazep on puromycin-induced rat renal mitochondrial dysfunction. Tada M, et al. **Arzneimittelforschung** 1987 May;37(5):509–12

Activation of mineralocorticoid agonist and antagonist specific receptors from rat kidney. Agarwal MK, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):398–402

Prenylated proteins from kidney. Bruenger E, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):209–14

Photoaffinity labeling studies of the rat renal sodium bile salt cotransport system. Burckhardt G, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):1018–23

Decreased lipid peroxidation in the rat kidney during gestation. Devasagayam TP, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):134–8

Species differences between rat and rabbit renal Na+/H+ exchangers. Friedrich T, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):869–75

Influence of a tumor promoting phorbol ester on the metabolism of 25-hydroxyvitamin D3. Henry HL. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):495–500

Binding characteristics of atrial natriuretic factor and the production of cyclic GMP in kidneys of Dahl salt-sensitive and salt-resistant rats. Hinko A, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):1076–83

Rat transformation-associated proteins (TAP) induced by Moloney murine sarcoma virus interact with specific receptors on normal rat kidney cells. Li WJ, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):513–8

Enzymatic hydrolysis of leukotriene A4 into 5,6-dihydroxy-7,9,11,14-eicosatetraenoic acid and LTB4 by mammalian kidney. Medina JF, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):697–703

Phorbol esters inhibit phosphate uptake in opossum kidney cells: a model of proximal renal tubular cells. Nakai M, et al. **Biochem Biophys Res Commun** 1987 May 29; 145(1):303–8

Bradykinin-induced changes in inositol trisphosphate mass in MDCK cells. Portilla D, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):644–9

Evidence for the presence of oligophosphoglyceroyl-ATP in rat offney. Hutchinson WL, et al. **Biochem J** 1986 Dec

1;240(2):597-9
Altered vitamin D metabolism in the kidney of the spontaneously hypertensive rat. Kawashima H. **Biochem J** 1986 Aug 1;237(3):893-7
Concentration of phosphoribosyl pyrophosphate in renal hypertrophy. Contrasting effects of early diabetes and unilateral nephrectomy [published erratum appears in Biochem J 1986 Dec 15;240(3):following 933]. Kunjara S, et al. **Biochem J** 1986 Oct 1;239(1):241-4
Renal plasma membrane receptors for certain modified serum albumins. Evidence for participation of a heparin receptor. Ranganathan PN, et al. **Biochem J** 1986 Nov 1; 239(3):537-43
The involvement of pyruvate cycling in the metabolism of aspartate and glycerate by the perfused rat kidney. Scaduto RC Jr, et al. **Biochem J** 1986 Aug 1;237(3):691-8
Metabolism of neuropeptides. Hydrolysis of the angiotensins, bradykinin, substance P and oxytocin by pig kidney microvillar membranes. Stephenson SL, et al. **Biochem J** 1987 Jan 1;241(1):237-47
The hydrolysis of alpha-human atrial natriuretic peptide by pig kidney microvillar membranes is initiated by endopeptidase-24.11. Stephenson SL, et al. **Biochem J** 1987 Apr 1;243(1):183-7
Lipid alterations in liver and kidney induced by normobaric hyperoxia: correlations with changes in microsomal membrane fluidity. Casals C, et al. **Biochem Med Metab Biol** 1987 Jun;37(3):269-81
Renal nutrients uptake and brush-border membrane enzymes in cholesterol-fed guinea pigs. Sidhu GS, et al. **Biochem Med Metab Biol** 1986 Oct;36(2):179-85
Potentiation by reduced glutathione of adriamycin-stimulated lipid peroxidation in kidney microsomes. Mimnaugh EG. **Biochem Pharmacol** 1986 Dec 1;35(23):4337-9
Study of metabolism of psychotomimetic indolealkylamines by rat tissue extracts using liquid chromatography. Sitaram BR, et al. **Biochem Pharmacol** 1987 May 1;36(9):1503-8
In vivo metabolism of 5-methoxy-N,N-dimethyltryptamine and N,N-dimethyltryptamine in the rat. Sitaram BR, et al. **Biochem Pharmacol** 1987 May 1;36(9):1509-12
Electron-transferring flavoprotein from pig kidney: flavin analogue studies. Gorelick RJ, et al. **Biochemistry** 1986 Nov 4;25(22):7092-8
Isolation and identification of 1,24,25-trihydroxyvitamin D2, 1,24,25,28-tetrahydroxyvitamin D2, and 1,24,25,26-tetrahydroxyvitamin D2: new metabolites of 1,25-dihydroxyvitamin D2 produced in rat kidney. Reddy GS, et al. **Biochemistry** 1986 Sep 9;25(18):5328-36
Isolation and identification of 1,23-dihydroxy-24,25,26,27-tetranorvitamin D3, a new metabolite of 1,25-dihydroxyvitamin D3 produced in rat kidney. Reddy GS, et al. **Biochemistry** 1987 Jan 13; 26(1):324-31
Unique rearrangement of ergocalciferol side chain in vitro: production of a biologically highly active homologue of 1,25-dihydroxyvitamin D3. Tanaka Y, et al. **Biochemistry** 1986 Sep 23;25(19):5512-8
Assessment of binding of L-cystine and L-lysine by rat renal brush-border membranes. Hsu BY, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):332-6
Regulation of intracellular pH in LLC-PK1 cells studied using 31P-NMR spectroscopy. Jans AW, et al. **Biochim Biophys Acta** 1987 Feb 18;927(2):203-12
1,25-Dihydroxycholecalciferol stimulates renal phosphate transport by directly altering membrane phosphatidylcholine composition. Kurnik BR, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):81-5
Isolation of renal brush-border membrane vesicles by a low-speed centrifugation; effect of sex hormones on Na+-H+ exchange in rat and mouse kidney. Mačković M, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):141-52
The effects of cycloheximide on Na+/H+ antiporter activity in cultured opossum kidney cells. Miller RT, et al. **Biochim Biophys Acta** 1987 Jun 12;900(1):157-9
Osmotic water permeability and solute reflection coefficients of rat kidney brush-border membrane vesicles. Pratz J, et al. **Biochim Biophys Acta** 1986 Oct 9;861(2):395-7
Effects of ATP-MgCl2 and adenosine-MgCl2 administration on intracellular ATP levels in the kidney. Sumpio BE, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):303-8
Nickel binding to the C-terminal tryptic fragment of a peptide from human kidney. Templeton DM, et al. **Biochim Biophys Acta** 1986 Nov 19;884(2):383-6
Transcellular calcium transport in intestinal and renal epithelial cells. van Os CH. **Biochim Biophys Acta** 1987 Jun 24;906(2):195-222 (252 ref.)
Role of catecholamines in the control of newborn kidney adenine nucleotide content. Sofack F, et al. **Biol Neonate** 1987;51(5):268-72
Influence of diuretics on renal lithium excretion and tissue distribution of some cations in saline loaded young and adult rats. Kersten L, et al. **Biomed Biochim Acta** 1987; 46(4):225-36
Vitamin D, parathyroid, and thymus gland influences on seasonal variations in renal electrolyte excretion. Desroches D, et al. **Bone** 1986;7(3):223-8
The development of mercury- and selenium-containing deposits in the kidneys following implantation of dental amalgams in guinea pigs. Eley BM, et al. **Br J Exp Pathol** 1986 Dec;67(6):937-49
An investigation into the alpha-adrenoceptor mediating renal nerve-induced calcium reabsorption by the rat kidney. Johns EJ, et al. **Br J Pharmacol** 1986 Sep;89(1):91-7
Stimulation of alpha 1-adrenoceptors in rat kidney mediates increased inositol phospholipid hydrolysis. Neylon CB, et al. **Br J Pharmacol** 1987 Jun;91(2):367-76
The development of alpha 2-adrenoceptors in the rat kidney: correlation with noradrenergic innervation. Sripanidkulchai B, et al. **Brain Res** 1987 Jan 1;400(1):91-100
Intrarenal distribution of mercury in the rat: effect of administered dose of mercuric chloride. Zalups RK, et al. **Bull Environ Contam Toxicol** 1987 Jan;38(1):67-72
Renal ammonium production--une vue canadienne. Brosnan JT, et al. **Can J Physiol Pharmacol** 1987 Apr;65(4):489-98 (54 ref.)
Renal tissue metabolism in the rat during chronic metabolic alkalosis: importance of glycolysis. Lemieux G, et al. **Can J Physiol Pharmacol** 1986 Nov;64(11):1419-26
Effect of potassium concentration and ouabain on the renal adaptation to potassium depletion in isolated perfused rat kidney. Ornt DB. **Can J Physiol Pharmacol** 1986 Nov; 64(11):1427-33
Membrane controls of epithelial phosphate transport. Quamme GA, et al. **Can J Physiol Pharmacol** 1987 Mar; 65(3):275-86 (102 ref.)
Renal and hepatic glutathione pool modifications in response to depletion treatments. Rodriguez JV, et al. **Can J Physiol Pharmacol** 1987 Jan;65(1):84-6
The effect of sodium thiosulfate on subcellular localization of platinum in rat kidney after treatment with cisplatin. Uozumi J, et al. **Cancer Lett** 1986 Sep;32(3):279-83
Early spontaneous deficiency of calcitonin renal binding sites in rats with a high incidence of calcitonin-secreting tumors (WAG/Rij). Bouizar Z, et al. **Cancer Res** 1987 Jul 1; 47(13):3595-8
Effect of 5-diazouracil on the catabolism of circulating pyrimidines in rat liver and kidneys. Holstege A, et al. **Cancer Res** 1986 Nov;46(11):5576-81
cis-Diamminedichloroplatinum (II)-DNA adduct formation in renal, gonadal, and tumor tissues of male and female rats. Reed E, et al. **Cancer Res** 1987 Feb 1;47(3):718-22
Metabolism of salicylate by isolated kidney and liver mitochondria. Kyle ME, et al. **Chem Biol Interact** 1986 Oct 1;59(3):325-35
Hexose monophosphate shunt and cholesterogenesis in lead-induced kidney hyperplasia. Ledda-Columbano GM, et al. **Chem Biol Interact** 1987;62(3):209-15
Clinical-experimental research on aztreonam ampullar and ureteral concentrations. Laurenti C, et al. **Chemioterapia** 1987 Apr;6(2):124-8
Evidence that bradykinin stimulates renal prostaglandin synthesis by a mechanism distinct from that of other vasoactive substances. Cooper CL, et al. **Circ Res** 1987 Jun;60(6):914-22
L-platelet activating factor induces changes on renal vascular resistance, vascular reactivity, and renin release in the isolated perfused rat kidney. Schwertschlag U, et al. **Circ Res** 1987 Apr;60(4):534-9
Renal and urinary clinical chemistry. Selected presentations of the Fifth International Congress on Clinical Enzymology, the Sixth European Congress of Clinical Chemistry, and the Second Congress of the International Society of Animal Clinical Biochemistry. Jerusalem, Israel, 1-6 September 1985. **Clin Chim Acta** 1986 Oct 31; 160(2):75-221
Alpha 2U-globulin: measurement in rat kidney and relationship to hyaline droplets. Stonard MD, et al. **Clin Chim Acta** 1986 Oct 31;160(2):197-203
Dopamine, the kidney and essential hypertension studies with gludopa. Lee MR. **Clin Exp Hypertens [A]** 1987; 9(5-6):977-86 (39 ref.)
Effects of angiotensin converting enzyme inhibitors MK 421, SA 446 and captopril on renal prostaglandin E and kinins in conscious normotensive rats. Yasujima M, et al. **Clin Exp Hypertens [A]** 1987;9(2-3):401-4
Renal prostaglandin efflux induced by vasopressin, dDAVP and arachidonic acid: contrasting profile and sites of release. Miller MJ, et al. **Clin Exp Pharmacol Physiol** 1986 Aug;13(8):577-84
Comparison of noradrenaline and isoprenaline removal in the canine hindlimb and kidney. Zimlichman R, et al. **Clin Exp Pharmacol Physiol** 1986 Nov-Dec; 13(11-12):777-81
Effects of indomethacin on furosemide induced renal prostaglandin synthesis and action in man. Kim RB, et al. **Clin Invest Med** 1986;9(3):192-7
Forced diuresis. A cause of "absent" renal uptake of bone imaging agent. Karimeddini MK, et al. **Clin Nucl Med** 1987 May;12(5):407
Sustained reductions in oxipurinol renal clearance during a restricted diet. Park GD, et al. **Clin Pharmacol Ther** 1987 Jun;41(6):616-21
Inhibition of renal clearance of furosemide by pentopril, an angiotensin-converting enzyme inhibitor. Rakhit A, et al. **Clin Pharmacol Ther** 1987 May;41(5):580-6
Renal fraction of cardiac output cleared of radioactive indicator in 123iodine-hippuran gamma camera renography. Carlsen O, et al. **Clin Physiol** 1987 Apr; 7(2):165-71
Renal ammoniagenesis following glutamine loading in intact dogs during acute metabolic acid-base perturbations. Areas J, et al. **Clin Sci** 1987 Jan;72(1):61-9
The effect of sodium intake on rabbit renal prostaglandin E2 and thromboxane A2: dissociation from the renin-angiotensin system. Attallah AA. **Clin Sci** 1987 May; 72(5):605-9
Regulation of sodium-coupled phosphate transport by extracellular phosphate in cultured kidney cells (JTC-12). Takuwa Y, et al. **Clin Sci** 1986 Sep;71(3):307-12
The relationship between the plasma potassium concentration and renal potassium excretion in the adrenalectomized rat. West ML, et al. **Clin Sci** 1987 May;72(5):577-83
Carrier-mediated transport of urate by chicken (Gallus domesticus) renal brush-border membrane vesicles. Kuo SM, et al. **Comp Biochem Physiol [A]** 1987;87(3):587-95
Kidney gluconeogenesis: its importance to net glucose synthesis during the development of chick embryos. Dickson AJ, et al. **Comp Biochem Physiol [B]** 1987; 86(1):185-90
Desferrioxamine reduces susceptibility to lipid peroxidation in rabbit kidneys subjected to warm ischaemia and reperfusion. Green CJ, et al. **Comp Biochem Physiol [B]** 1986;85(1):113-7
Orotate uptake and metabolism in normal and neoplastic tissues. Lea MA, et al. **Comp Biochem Physiol [B]** 1987; 86(3):581-6
Dieldrin transformation to photodieldrin in liver and kidney of broiler. Gallego-Iniesta M, et al. **Comp Biochem Physiol [C]** 1987;86(1):121-4
The effects of selenium on the distribution of mercury in the organs of the black bullhead (Ictalurus melas). Jorgensen D, et al. **Comp Biochem Physiol [C]** 1987; 87(1):181-6
The current status of renal radiopharmaceuticals. A review. Blaufox MD. **Contrib Nephrol** 1987;56:31-7
Prostaglandins in experimental and clinical hypertension. Cinotti GA, et al. **Contrib Nephrol** 1987;54:9-20 (72 ref.)
Renal and extrarenal handling of a new imaging compound (99mTc-MAG3) in the rat. Müller-Suur C, et al. **Contrib Nephrol** 1987;56:44-8
Preliminary evaluation of 99mTc mercaptoacetyltriglycine as a replacement for 131I OIH. Taylor A Jr, et al. **Contrib Nephrol** 1987;56:38-43
The influence of furosemide on intrarenal distribution of 2-sulphanilamido-5-methoxypyrimidine in rats with normal and reduced renal parenchyma. Bohdanecká M, et al. **Czech Med** 1986;9(3):157-61
Aminoglycoside accumulation in the second compartment of kidney cell. Fujita K. **Dev Toxicol Environ Sci** 1986; 14:101-4
Nonenzymatic bioreduction in rat liver and kidney of nitroxyl spin labels, potential contrast agents in magnetic resonance imaging. Eriksson UG, et al. **Drug Metab Dispos** 1987 Mar-Apr;15(2):155-60
Comparison of hepatic and renal metabolism of acetaminophen in male and female miniature swine. Peggins JO, et al. **Drug Metab Dispos** 1987 Mar-Apr;15(2):270-3
Histochemical demonstration of two mercury pools in trout tissues: mercury in kidney and liver after mercuric chloride exposure. Baatrup E, et al. **Ecotoxicol Environ Safety** 1986 Dec;12(3):267-82
The differential regulation of the intranuclear progestin in mouse kidney and prostate-seminal vesicles. Houben PW, et al. **Endocr Res** 1987;13(1):1-14
Action of some pesticides on T4 to T3 conversion in cultured kidney and liver cells in the presence or absence of cysteine. Ghinea E, et al. **Endocrinologie** 1986 Jul-Sep;24(3):157-66
Binding and degradation of insulin-like growth factors I and II by rat kidney membrane. Bhaumick B, et al. **Endocrinology** 1987 Apr;120(4):1439-48
Vitamin D-dependent calcium binding proteins in the kidney and intestine of the X-linked hypophosphatemic mouse: changes with age and responses to 1,25-dihydroxycholecalciferol. Bruns ME, et al. **Endocrinology** 1987 Jul;121(1):1-6
1,25-Dihydroxyvitamin D3 induces the synthesis of vitamin D-dependent calcium-binding protein in cultured chick kidney cells. Craviso GL, et al. **Endocrinology** 1987 Mar; 120(3):894-902
Activation of the rat kidney mineralocorticoid receptor. Eisen LP, et al. **Endocrinology** 1986 Oct;119(4):1419-26
Diabetes decreases liver and kidney nuclear 3,5,3'-triiodothyronine receptors in rats. Jolin T. **Endocrinology** 1987 May;120(5):2144-51
Establishment of a parathyroid hormone-responsive phosphate transport system in vitro using cultured renal cells. Kinoshita Y, et al. **Endocrinology** 1986 Nov; 119(5):1954-63
Growth hormone stimulates sequential induction of c-myc and insulin-like growth factor I expression in vivo. Murphy LJ, et al. **Endocrinology** 1987 May;120(5):1806-12
Aquatic models for the study of renal transport function and pollutant toxicity. Miller DS. **Environ Health Perspect** 1987 Apr;71:59-68 (41 ref.)
Generation and dose as modifying factors of inorganic mercury accumulation in brain, liver, and kidneys of rats fed methylmercury. Yamamoto R, et al. **Environ Res** 1986 Oct;41(1):309-18
Effects of acute acid-base changes on rat renal pyruvate dehydrogenase. Renal pyruvate dehydrogenase during acid-base alterations. Tullson PC, et al. **Enzyme** 1987; 37(3):127-33
Pharmacology of vecuronium in patients with end-stage renal failure. Meistelman C, et al. **Eur J Anaesthesiol** 1986 Mar;3(2):153-8

Renal clearance of sulphinpyrazone in man. Lentjes EG, et al. **Eur J Clin Pharmacol** 1986;31(4):473–8

Skeletal muscle binding and renal excretion of digoxin in man. Schenck–Gustafsson K, et al. **Eur J Clin Pharmacol** 1987;31(5):601–3

Renal and extrarenal handling of a new imaging compound (99m–Tc–MAG–3) in the rat. Müller–Suur R, et al. **Eur J Nucl Med** 1986;12(9):438–42

Transfer and dynamics of uric acid in the pregnant rhesus monkey. I. Transplacental and renal uric acid clearances. Wallenburg HC, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Aug;8(4):211–7

Differences between central and peripheral rat alpha–adrenoceptors revealed using binuclear ligands. Adams A, et al. **Eur J Pharmacol** 1986 Aug 7; 127(1–2):27–35

Modulation of agonist and antagonist interactions at kidney alpha 1–adrenoceptors by nucleotides and metal ions. Ernsberger P, et al. **Eur J Pharmacol** 1987 Jan 13; 133(2):165–76

The distribution of beta–adrenoceptors in dog kidney: an autoradiographic analysis. Lew R, et al. **Eur J Pharmacol** 1987 Aug 4;140(1):1–11

Autoradiographic localisation of NPY receptors in rabbit kidney: comparison with rat, guinea–pig and human. Leys K, et al. **Eur J Pharmacol** 1987 Feb 10;134(2):233–7

'Peripheral–type' benzodiazepine receptors in the kidney: regulation of radioligand binding by anions and DIDS. Lueddens HW, et al. **Eur J Pharmacol** 1987 Jan 13; 133(2):205–14

Increase of peripheral type benzodiazepine binding sites in kidney and olfactory bulb in acutely stressed rats. Novas ML, et al. **Eur J Pharmacol** 1987 Mar 17;135(2):243–6

Visualization of adenosine A1 receptors in the human and the guinea–pig kidney. Palacios JM, et al. **Eur J Pharmacol** 1987 Jun 19;138(2):273–6

Inhibition of renin release by alpha–adrenoceptor stimulation in the isolated perfused rat kidney. Smyth DD, et al. **Eur J Pharmacol** 1987 Aug 4;140(1):33–8

Hydro–saline retention in COLD patients with respiratory failure. Chiappini MG, et al. **Eur J Respir Dis [Suppl]** 1986; 146:359–65

Immunoreactive erythropoietin studies in hypoxic rats and the role of the salivary glands. Clemons GK, et al. **Exp Hematol** 1987 Jan;15(1):18–23

Relation between renal and hepatic excretion of drugs: III. Comparison of various methods reducing the renal or hepatic excretory capacity of rats. Fleck C, et al. **Exp Pathol** 1987;31(2):95–104

Relation between renal and hepatic excretion of drugs. IV. Influence of nephrectomy or bile duct ligation on the accumulation of phenol red in kidney and liver tissue of rats of different ages. Fleck C, et al. **Exp Pathol** 1987; 31(4):205–19

The phosphatidylcholine metabolism in the renal tissue during experimental acute and chronic pyelonephritis in the rabbit. Philippson C. **Exp Pathol** 1986;30(3):165–71

Renal handling of bilirubin photoderivatives. Elías MM, et al. **Experientia** 1987 Aug 15;43(8):875–8

The enhanced induction of metallothionein by zinc, its half–life in the marine fish Pleuronectes platessa, and the influence of stress factors on metallothionein levels. Overnell J, et al. **Experientia** 1987 Feb 15;43(2):178–81

Kinetics of association and dissociation of colchicine–tubulin complex from brain and renal tubulin. Evidence for the existence of multiple isotypes of tubulin in brain with differential affinity to colchicine. Banerjee A, et al. **FEBS Lett** 1987 Jul 13;219(1):103–7

In vitro processing of rANF7–28–NH2 by rat kidney homogenates. Berman JM, et al. **FEBS Lett** 1987 Aug 10; 220(1):214–6

The generation of an organic free radical in substrate–reduced pig kidney diamine oxidase–cyanide. Dooley DM, et al. **FEBS Lett** 1987 Apr 20;214(2):274–8

Parathyroid hormone regulates phosphate transport in OK cells via an irreversible inactivation of a membrane protein. Malmström K, et al. **FEBS Lett** 1987 Jun 1;216(2):257–60

Characterization of spontaneous and decalin–induced hyaline droplets in kidneys of adult male rats. Kanerva RL, et al. **Food Chem Toxicol** 1987 Jan;25(1):63–82

Monkey erythropoietin gene: cloning, expression and comparison with the human erythropoietin gene. Lin FK, et al. **Gene** 1986;44(2–3):201–9

Reabsorption of fluorescein–isothiocyanate–labelled–ovalbumin in the kidney of normal and castrated male and female rats. Sievers L, et al. **Histochemistry** 1986;86(2):215–20

Proteinase inhibitors in the kidney and its tumours. Fleming S, et al. **Histopathology** 1986 Dec;10(12):1303–13

Biological behaviour of Pu administered to animals as Pu–standard LICAM(C) complex: therapeutical attempts to decrease Pu kidney burden. Gerasimo P, et al. **Hum Toxicol** 1986 Sep;5(5):309–18

Difference between human red blood cell Na+–Li+ countertransport and renal Na+–H+ exchange. Kahn AM. **Hypertension** 1987 Jan;9(1):7–12

Sodium and glucose transport across renal brush border membranes of Milan hypertensive rats. Parenti P, et al. **Hypertension** 1986 Oct;8(10):932–9

Salt–induced plasma factor that inhibits platelet thromboxane A2 release and renal prostaglandin E2 production in rats. Uehara Y, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III6–12

Renal metabolic absence. Mujais SK. **Int J Artif Organs** 1987 Jan;10(1):20–2

A new simple approach to study the effect of changes in urine flow and/or urine pH on renal clearance and its applications. Chiou WL. **Int J Clin Pharmacol Ther Toxicol** 1986 Oct;24(10):519–27

Studies on the impaired metabolism of uric acid in obese subjects: marked reduction of renal urate excretion and its improvement by a low–calorie diet. Yamashita S, et al. **Int J Obes** 1986;10(4):255–64

The pattern of plasma renin activity and aldosterone system in patients with sustained hydronephrosis. Ezzat M. **Int Urol Nephrol** 1987;19(1):55–63

The effect of E. coli infection on the prostaglandin synthesizing capacity of postobstructive rat kidney. Sallai J, et al. **Int Urol Nephrol** 1987;19(1):27–32

Characterization of xenobiotic biotransformation in hepatic, renal and gut tissues of cattle and sheep. Watkins JB 3d, et al. **J Anim Sci** 1987 Jul;65(1):186–95

Pharmacokinetics of cefonicid in uraemic patients. Fillastre JP, et al. **J Antimicrob Chemother** 1986 Aug;18(2):203–11

Evidence of differential hematopoietic compensation to lead intoxication in blood, liver and kidney. Hollebone BR, et al. **J Appl Toxicol** 1986 Dec;6(6):419–24

Uptake of cadmium in isolated kidney cells—influence of binding form and in vivo pretreatment. Jin T, et al. **J Appl Toxicol** 1986 Dec;6(6):397–400

Increased beta 2–adrenoreceptor density in heart, kidney and lung of spontaneously hypertensive rats. Michel MC, et al. **J Auton Pharmacol** 1987 Mar;7(1):41–51

Hepato–renal transport of phenolsulfonphthalein in analbuminemic rats: albumin is essential for hepatic compensatory elimination of a nephrophilic ligand in animals with renal dysfunction. Inoue M, et al. **J Biochem (Tokyo)** 1986 Jul;100(1):201–6

Ontogenic changes in metabolism and transport of glutathione in the rat. Taniguchi M, et al. **J Biochem (Tokyo)** 1986 Dec;100(6):1457–63

Gamma–glutamyl–glutathione. Natural occurrence and enzymology. Abbott WA, et al. **J Biol Chem** 1986 Oct 15;261(29):13657–61

Degradation and regurgitation of extracellular proteins by cultured mouse peritoneal macrophages and baby hamster kidney fibroblasts. Kinetic evidence that the transfer of proteins to lysosomes is not irreversible. Buktenica S, et al. **J Biol Chem** 1987 Jul 15;262(20):9469–76

The pH gradient–dependent transport of organic cations in the renal brush border membrane. Studies with acridine orange. Hsyu PH, et al. **J Biol Chem** 1987 Mar 25; 262(9):3964–8

Inhibition of Na+–H+ exchange by N,N'–dicyclohexylcarbodiimide in isolated rat renal brush border membrane vesicles. Kinsella JL, et al. **J Biol Chem** 1987 May 25;262(15):7092–7

Na+–independent Cl(–)–HCO–3– exchange in Madin–Darby canine kidney cells. Role in intracellular pH regulation. Kurtz I, et al. **J Biol Chem** 1987 Apr 5;262(10):4516–20

A new affinity matrix for mineralocorticoid receptors. Lombes M, et al. **J Biol Chem** 1987 Jun 15;262(17):8121–7

Expression of porcine pro–opiomelanocortin cDNA in heterologous monkey kidney cells. Biosynthesis and secretion of the prohormone without processing. Noël G, et al. **J Biol Chem** 1987 Feb 5;262(4):1876–81

Alpha 1–adrenergic receptor–mediated phosphoinositide hydrolysis and prostaglandin E2 formation in Madin–Darby canine kidney cells. Possible parallel activation of phospholipase C and phospholipase A2. Slivka SR, et al. **J Biol Chem** 1987 Mar 25;262(9):4200–7

Gangliosides modulate sodium transport in cultured toad kidney epithelia. Spiegel S, et al. **J Biol Chem** 1986 Nov 25;261(33):15755–60

Purification and properties of a megakaryocyte stimulatory factor present both in the serum–free conditioned medium of human embryonic kidney cells and in thrombocytopenic plasma. Tayrien G, et al. **J Biol Chem** 1987 Mar 5; 262(7):3262–8

beta–Amino acid transport across the renal brush–border membrane is coupled to both Na and Cl. Turner RJ. **J Biol Chem** 1986 Dec 5;261(34):16060–6

Local actions of angiotensin II: quantitative in vitro autoradiographic localization of angiotensin II receptor binding and angiotensin converting enzyme in target tissues. Chai SY, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S35–9

Natriuretic effect of acute nifedipine administration is not mediated by the renal kallikrein–kinin system. Madeddu P, et al. **J Cardiovasc Pharmacol** 1987 May;9(5):536–40

Modulation of norepinephrine release through alpha 1– and alpha 2–adrenoceptors in rat isolated kidney. Rump LC, et al. **J Cardiovasc Pharmacol** 1987 Apr;9(4):500–7

Mesosecrin: a secreted glycoprotein produced in abundance by human mesothelial, endothelial, and kidney epithelial cells in culture. Rheinwald JG, et al. **J Cell Biol** 1987 Feb; 104(2):263–75

Stimulation by serum of the Na+/H+ antiporter in quiescent pig kidney epithelial (LLC–PK1) cells and role of the antiporter in the reinitiation of DNA synthesis. Haggerty JG, et al. **J Cell Physiol** 1987 Jul;132(1):173–7

Glycosphingolipid patterns in primary mouse kidney cultures. Lyerla TA, et al. **J Cell Physiol** 1986 Dec;129(3):390–4

8th International Symposium on Biochemical Aspects of Kidney Function. Dubrovnik, Yugoslavia, October 5–8, 1986. Abstracts. **J Clin Chem Clin Biochem** 1986 Sep; 24(9):667–704

Renal prostacyclin and thromboxane in normotensive and preeclamptic pregnant women and their infants. Ylikorkala O, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1307–12

Renal metabolism of C–peptide in man. Zavaroni I, et al. **J Clin Endocrinol Metab** 1987 Sep;65(3):494–8

The pathophysiological role of water–sodium balance and renal dopaminergic activity in overweight patients with essential hypertension. Kikuchi K, et al. **J Clin Hypertens** 1987 Mar;3(1):3–11

Independent effects of aldosterone and potassium on induction of potassium adaptation in rat kidney. Stanton B, et al. **J Clin Invest** 1987 Jan;79(1):198–206

Effect of protein ingestion on urinary dopamine excretion. Evidence for the functional importance of renal decarboxylation of circulating 3,4–dihydroxyphenylalanine in man. Williams M, et al. **J Clin Invest** 1986 Dec; 78(6):1687–93

Renal cyclosporine clearance in marrow transplant recipients: age–related variation. Yee GC, et al. **J Clin Pharmacol** 1986 Nov–Dec;26(8):658–61

Characterization of renal prolactin–binding sites of two amphibians (Ambystoma tigrinum and Rana catesbeiana) and a reptile (Pseudemys scripta elegans). Tarpey JF, et al. **J Exp Zool** 1987 Mar;241(3):317–25

Whole–body autoradiographic distribution of exogenously administered renal renin in rats. Kim S, et al. **J Histochem Cytochem** 1987 May;35(5):549–57

Changes in the glycosylation pattern during embryonic development of mouse kidney as revealed with lectin conjugates. Laitinen L, et al. **J Histochem Cytochem** 1987 Jan;35(1):55–65

Disturbances of renal and erythrocyte calcium handling in rats of the Milan hypertensive strain. Cirillo M, et al. **J Hypertens** 1986 Aug;4(4):443–9

Renal prostaglandins and phospholipase A2 in spontaneously hypertensive rats. Kawaguchi H, et al. **J Hypertens** 1987 Jun;5(3):299–304

Existence of renal alpha 1– and alpha 2–adrenoceptors in the human kidney: radioligand binding study in membranes from the human renal cortex and medulla. Umemura S, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S222–5

Urinary excretion and renal production of prostaglandins E2, F2 alpha, and thromboxane B2 in experimental diabetes mellitus. Bunke M, et al. **J Lab Clin Med** 1986 Oct; 108(4):332–9

Effect of Sar1–Ile8–angiotensin on renal prostaglandin E2 biosynthesis and excretion. Katayama S, et al. **J Lab Clin Med** 1987 Apr;109(4):504–8

Renal excretion of divalent ions in response to chronic acidosis: evidence that systemic pH is not the controlling variable. Lau K, et al. **J Lab Clin Med** 1987 Jan; 109(1):27–33

Effect of aspirin on experimental diabetic nephropathy. Moel DI, et al. **J Lab Clin Med** 1987 Sep;110(3):300–7

Identification of the renal Na+/H+ exchanger with N,N'–dicyclohexylcarbodiimide (DCCD) and amiloride analogues. Friedrich T, et al. **J Membr Biol** 1986; 94(3):253–66

Characterization of a Ca–dependent maxi K channel in the apical membrane of a cultured renal epithelium (JTC–12.P3). Kolb HA, et al. **J Membr Biol** 1986; 92(3):207–15

Three–hour volume of distribution method: an accurate simplified method of glomerular filtration rate measurement. Fawdry RM, et al. **J Nucl Med** 1987 Apr; 28(4):510–3

Evaluation of the renal clearance of technetium–99m PAHIDA in dogs. Summerville DA, et al. **J Nucl Med** 1987 May;28(5):907–9

Dietary n–3 polyunsaturated fatty acids: rate and extent of modification of fatty acyl composition of lipid classes of mouse lung and kidney. Swanson JE, et al. **J Nutr** 1987 May;117(5):824–32

Probenecid inhibition of the renal excretion of dyphylline in chicken, rat and man. Acara M, et al. **J Pharm Pharmacol** 1987 Jul;39(7):526–30

Noninvasive estimation of bound and mobile platinum compounds in the kidney using a radiopharmacokinetic model. Brechner RR, et al. **J Pharm Sci** 1986 Sep; 75(9):873–7

Target organ directed drug delivery: evaluation of renal infusion of chromium–51 ethylenediaminetetraacetate and sodium o–[125I]iodohippurate in the Wistar Kyoto rat. Daemen MJ, et al. **J Pharm Sci** 1986 Dec;75(12):1137–40

Urine flow–dependence and interspecies variation of the renal reabsorption of sulfanilamide. Komiya I. **J Pharmacobiodyn** 1987 Jan;10(1):1–7

Aldosterone–reversible decrease in the density of renal peripheral benzodiazepine receptors in the rat after adrenalectomy. Basile AS, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):1006–13

Effects of papaverine and theophylline on renal adenosine transport. Coulson R, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):748–53

Regulation of heme metabolism and monooxygeneses in liver and kidney: influence of therapeutically used gold compounds. Gondal JA, et al. **J Pharmacol Exp Ther** 1987 May;241(2):540–6

Nephrotoxicity of S–(2–chloroethyl)glutathione in the Fischer rat: evidence for

gamma-glutamyltranspeptidase-independent uptake by the kidney. Kramer RA, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):741–8

Drug inhibition of penicillin tubular secretion: concordance between in vitro and clinical findings. Nierenberg DW. **J Pharmacol Exp Ther** 1987 Mar;240(3):712–6

Renal handling of netilmicin in the rat with streptozotocin-induced diabetes mellitus. Pastoriza-Munoz E, et al. **J Pharmacol Exp Ther** 1987 Apr;241(1):166–73

Selective induction of propranolol metabolism by smoking: additional effects on renal clearance of metabolites. Walle T, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):928–33

Quantitative urine collection in renal clearance studies in the dog. Russel FG, et al. **J Pharmacol Methods** 1987 Apr; 17(2):125–36

Characterization of steroid receptors in the gut and kidney of the frog (Rana catesbeiana) and in the gut of the turtle (Chrysemys picta). Mehi AZ, et al. **J Steroid Biochem** 1987 May;26(5):627–39

Affinity of corticosteroids for mineralocorticoid and glucocorticoid receptors of the rabbit kidney: effect of steroid substitution. Rafestin-Oblin ME, et al. **J Steroid Biochem** 1986 Oct;25(4):527–34

Postoperative alterations in interorgan glutamine exchange in enterectomized dogs. Souba WW, et al. **J Surg Res** 1987 Feb;42(2):117–25

Clearance of ethylene glycol by kidneys and hemodialysis. Cheng JT, et al. **J Toxicol Clin Toxicol** 1987;25(1–2):95–108

Role of desacetylation in the detoxification of cephalothin in renal cells in culture. Hottendorf GH, et al. **J Toxicol Environ Health** 1987;22(1):101–11

Detection of erythropoietin message in hypoxic mouse kidney. Nishida J, et al. **Jpn J Exp Med** 1986 Dec; 56(6):321–3

Intrarenal localization of receptors for alpha-rat atrial natriuretic polypeptide: an autoradiographic study with [125I]-labeled ligand injected in vivo into the rat aorta. Koseki C, et al. **Jpn J Pharmacol** 1986 Sep;42(1):27–33

Stimulatory effect of cisplatin on production of lipid peroxidation in renal tissues. Sugihara K, et al. **Jpn J Pharmacol** 1987 Mar;43(3):247–52

Light chain effects on alanine and glucose uptake by renal brush border membranes. Batuman V, et al. **Kidney Int** 1986 Nov;30(5):662–5

Benefit from high intrarenal levels of gentamicin in the treatment of E. coli pyelonephritis. Bergeron MG, et al. **Kidney Int** 1986 Oct;30(4):481–7

Renal magnesium wasting in two families with autosomal dominant inheritance. Geven WB, et al. **Kidney Int** 1987 May;31(5):1140–4

Renal selectivity properties towards endogenous albumin in minimal change nephropathy. Ghiggeri GM, et al. **Kidney Int** 1987 Jul;32(1):69–77

Effect of acetazolamide on renal metabolism and ammoniagenesis in the dog. Gougoux A, et al. **Kidney Int** 1987 Jun;31(6):1279–90

Potassium recycling. Jamison RL. **Kidney Int** 1987 Mar; 31(3):695–703 (57 ref.)

Pathways of urea transport in the mammalian kidney. Knepper MA, et al. **Kidney Int** 1987 Feb;31(2):629–33 (44 ref.)

A rapid renal clearance methodology for dextran. Leypoldt JK, et al. **Kidney Int** 1987 Mar;31(3):855–60

Renal handling of calcium in the early newborn period. Siegel SR, et al. **Kidney Int** 1987 May;31(5):1181–5

Paradoxical potassium depletion: a renal mechanism for extrarenal potassium adaptation. Spital A, et al. **Kidney Int** 1986 Oct;30(4):532–7

Renal alpha 2-adrenoceptors as potential targets for converting enzyme inhibitors. Pettinger WA, et al. **Kidney Int [Suppl]** 1987 May;20:S191–2 (33 ref.)

Brain involvement in the regulation of renal sodium excretion. Lichardus B, et al. **Klin Wochenschr** 1987;65 Suppl 8:33–9

Plasma levels of atrial natriuretic peptide (ANP) during mineralocorticoid escape in normal man. Wambach G, et al. **Klin Wochenschr** 1986;64 Suppl 6:53–7

Differential changes in atrial natriuretic peptide and vasopressin receptor bindings in kidney of spontaneously hypertensive rat. Ogura T, et al. **Life Sci** 1987 Jan 19; 40(3):233–8

Binding sites for atrial natriuretic factor (ANF) in kidneys and adrenal glands of spontaneously hypertensive (SHR) rats. Swithers SE, et al. **Life Sci** 1987 Apr 27;40(17):1673–81

The biosynthesis of 2-guanidinoethanol in intact mice and isolated perfused rabbit kidneys. Watanabe Y, et al. **Life Sci** 1987 Jan 19;40(3):293–9

Renal prostaglandin E2 and F2 alpha synthesis during exercise: effects of indomethacin and sulindac. Zambraski EJ, et al. **Med Sci Sports Exerc** 1986 Dec;18(6):678–84

Cystine and lysine transport in cultured human renal epithelial cells. States B, et al. **Metabolism** 1987 Apr; 36(4):356–62

Inhibition of prostaglandin synthesis in rat kidney perfused with and without erythrocytes: implication for analgesic nephropathy. Brezis M, et al. **Miner Electrolyte Metab** 1986;12(5–6):326–32

Jejunal phosphate transport is not regulated by the PTH-adenylate cyclase system. Further studies on the contrasting features between intestinal and renal phosphate transport mechanisms. Lee DB, et al. **Miner Electrolyte Metab** 1986;12(5–6):293–7

Effects of hypertonicity on cAMP production in cultured renal epithelial cells (LLC-PK1). Skorecki KL, et al. **Miner Electrolyte Metab** 1987;13(3):165–72

Pathogenesis of ascites in cirrhosis. Arroyo V, et al. **Minerva Med** 1987 May 31;78(10):645–50

Anemia induces accumulation of erythropoietin mRNA in the kidney and liver. Bondurant MC, et al. **Mol Cell Biol** 1986 Jul;6(7):2731–3

Immunochemical identification of cytochrome P-450 isozyme 3a (P-450ALC) in rabbit nasal and kidney microsomes and evidence for differential induction by alcohol. Ding XX, et al. **Mol Pharmacol** 1986 Oct; 30(4):370–8

The transport of S-cysteine conjugates in LLC-PK1 cells and its role in toxicity. Schaeffer VH, et al. **Mol Pharmacol** 1987 May;31(5):506–12

A novel radiolabeled vasopressin antagonist: [3H-Phe]-desGlyd(CH2)5D-Tyr(Et)VAVP, [3H]-SK&F 101926. Stassen FL, et al. **Mol Pharmacol** 1987 Mar; 31(3):267–72

Alpha 2-adrenergic receptor turnover in adipose tissue and kidney: irreversible blockade of alpha 2-adrenergic receptors by benextramine. Taouis M, et al. **Mol Pharmacol** 1987 Jan;31(1):89–96

Selenite-induced NAD(P)H oxidation and calcium release in isolated mitochondria: relationship to in vivo toxicity. Vlessis AA, et al. **Mol Pharmacol** 1987 Jun;31(6):643–6

Relationships of the molecular structure of aldosterone derivatives with their binding affinity for mineralocorticoid receptor. Yamakawa M, et al. **Mol Pharmacol** 1986 Dec; 30(6):585–9

Pharmacological evaluation of urate renal handling in humans: pyrazinamide test vs combined pyrazinamide and probenecid administration. Colussi G, et al. **Nephrol Dial Transplant** 1987;2(1):10–6

Direct measurement of TP/GFR: a simple and reliable parameter of renal phosphate handling. Stark H, et al. **Nephron** 1986;44(2):125–8

Metabolism of vitamin A in pig kidney cells. **Nutr Rev** 1987 Apr;45(4):122–4

Membrane fluidity and phospholipid composition in relation to sulfur amino acid intake in brush border membranes of rat kidney. Chesney RW, et al. **Pediatr Res** 1986 Dec; 20(12):1305–9

Immunocytochemistry of band 3 protein in kidney and other tissues of control and cystic fibrosis patients. Hazen-Martin DJ, et al. **Pediatr Res** 1987 Mar;21(3):235–7

The renal handling of carnitine in patients with selective tubulopathy and with Fanconi syndrome. Steinmann B, et al. **Pediatr Res** 1987 Feb;21(2):201–4

Interaction of somatostatin with isolated cytosol from rabbit renal papilia. Ariila E, et al. **Peptides** 1986 Sep-Oct; 7(5):741–4

D(-)3-hydroxybutyrate cotransport with Na in rat renal brush border membrane vesicles. Barac-Nieto M. **Pflugers Arch** 1987 Apr;408(4):321–7

Regulation of the renal transport of inorganic sulfate: effects of metabolic changes in arterial blood pH. Frick A, et al. **Pflugers Arch** 1986 Nov;407(5):541–6

Activation of luminal Na+/H+ exchange in distal nephron of frog kidney. An early response to aldosterone. Weigt M, et al. **Pflugers Arch** 1987 May;408(6):609–14

Sodium handling by the Sabra hypertension prone (SBH) and resistant (SBN) rats. Yagil Y, et al. **Pflugers Arch** 1986 Nov;407(5):547–51

Effects of cadmium on superoxide dismutase and lipid peroxidation in liver and kidney of growing rats: in vivo and in vitro studies. Hussain T, et al. **Pharmacol Toxicol** 1987 May;60(5):355–8

Effects of carbonic anhydrase inhibition on renal ammoniagenesis in the dog. Fine A. **Pharmacology** 1986; 33(4):217–20

Changes in the protein spectrum of the chick embryo mesonephros and metanephros in the course of development. Friebová-Zemanová Z, et al. **Physiol Bohemoslov** 1987;36(2):125–34

Effect of L-2-oxothiazolidine-4-carboxylate administration on glutathione and cysteine concentrations in guinea pig liver and kidney. Nishina H, et al. **Physiol Chem Phys Med NMR** 1987;19(1):9–13

Down-regulation of rat kidney calcitonin receptors by salmon calcitonin infusion evidenced by autoradiography. Bouizar Z, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(15):5125–8

Developmental aspects of proline transport in rat renal brush border membranes. Medow MS, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7561–4

Decreased glucose production from maltose in perfused kidney of streptozotocin diabetic rats. Ikeda T, et al. **Proc Soc Exp Biol Med** 1986 Nov;183(2):241–3

Lack of effect on human lipoprotein-triacylglycerol on the function of perfused rat kidney. Merkens LS, et al. **Proc Soc Exp Biol Med** 1987 Jan;184(1):92–7

Nitrobenzylthioinosine (NBMPR) binding sites in kidney. Parkinson FE, et al. **Proc West Pharmacol Soc** 1987;30:75–7

Circaseptan rhythm in sodium and potassium excretion in salt-sensitive and salt-resistant Dahl rats. Uezono K, et al. **Prog Clin Biol Res** 1987;227A:297–307

Testing the "redirection hypothesis" of prostaglandin metabolism in the kidney. Datar S, et al. **Prostaglandins** 1987 Feb;33(2):275–85

Increase in the formation of cyclooxygenase and lipoxygenase products in kidneys of adrenalectomized rats. Vincent JE, et al. **Prostaglandins Leukotrienes Med** 1986 Oct; 24(2-3):123–7

Tissue and subcellular distribution of bismuth radiotracer in the rat: considerations of cytotoxicity and microdosimetry for bismuth radiopharmaceuticals. Zidenberg-Cherr S, et al. **Radiat Res** 1987 Jul;111(1):119–29

Effects of intravenously administered tetra-thiomolybdate on the distribution of copper in the liver and kidney of copper loaded sheep: a histochemical study. Kumaratilake JS, et al. **Res Vet Sci** 1987 Mar;42(2):154–61

Renal handling of iodothyronines in acromegaly. Eskildsen PC, et al. **Scand J Clin Lab Invest** 1987 Feb;47(1):17–21

Inhibition of renal prostaglandin synthesis in man: methodological and clinical implications. Patrono C. **Scand J Rheumatol [Suppl]** 1986;62:14–25

The influence of subcutaneously administered lead(II) acetate on the concentrations of copper, iron, and zinc in the blood, kidney, liver, and spleen of rats. Gasiorowski K, et al. **Sci Total Environ** 1987 Jun;64(1-2):117–23

Uromodulin (Tamm-Horsfall glycoprotein): a renal ligand for lymphokines. Hession C, et al. **Science** 1987 Sep 18; 237(4821):1479–84

Erythropoietin: a hematopoietic hormone produced by the kidney. Anagnostou A. **Semin Nephrol** 1985 Jun; 5(2):104–14

The use of drugs in renal failure. Reed WE Jr, et al. **Semin Nephrol** 1986 Sep;6(3):259–95 (203 ref.)

Magnetic resonance measurements of renal metabolism, structure, and function. Weiner MW. **Semin Nephrol** 1986 Jun;6(2):139–52 (65 ref.)

Cyclophosphamide: interstrain differences in the production of mutagenic metabolites by S9-fractions from liver and kidney in different mutagenicity test systems in vitro and in the teratogenic response in vivo between CBA and C 57 BL mice. Winckler K, et al. **Teratogenesis Carcinog Mutagen** 1987;7(4):399–409

Protective role of renal metallothionein against Cd nephropathy in rats. Min KS, et al. **Toxicol Appl Pharmacol** 1987 Apr;88(2):294–301

Segmental and intracellular distribution of lead in rat kidney and salivary glands. Craan AG, et al. **Toxicology** 1986 Dec 15;42(2-3):157–70

Effect of N-benzyl-D-glucamine dithiocarbamate on distribution and excretion of cadmium in rats. Kojima S, et al. **Toxicology** 1987 Jul;45(1):93–102

Cisplatin nephrotoxicity: role of filtration and tubular transport of cisplatin in isolated perfused kidneys. Miura K, et al. **Toxicology** 1987 May;44(2):147–58

The effect of DMSA loading on the renal handling of technetium-99m in rats. Provoost AP, et al. **Uremia Invest** 1985-86;9(2):147–50

Ornithine decarboxylase activity and polyamine content in normal renal tissue and in renal carcinoma. Uvelius B, et al. **Urol Int** 1987;42(2):105–7

Cellular mechanisms of digoxin transport and toxic interactions in the kidney. Koren G, et al. **Vet Hum Toxicol** 1986 Dec;28(6):549–52

Comparative pharmacokinetics, bioavailability and renal clearance of five parenteral oxytetracycline-20% formulations in dairy cows. Mevius DJ, et al. **Vet Q** 1986 Oct;8(4):285–94

Pharmacokinetics and renal clearance of oxytetracycline in piglets following intravenous and oral administration. Mevius DJ, et al. **Vet Q** 1986 Oct;8(4):274–84

The induction of omega and beta-oxidation of fatty acids and effect on alpha 2u globulin content in the liver and kidney of rats administered 2,2,4-trimethylpentane. Lock EA, et al. **Xenobiotica** 1987 Apr;17(4):513–22

Renal protein excretion in normal (Ztm: gg-anti) and subclinically diabetic (Ztm: gg-diab) mice. Alt JM, et al. **Z Versuchstierkd** 1987;29(3-4):103–10

[Kidney function and water-electrolyte balance in the newborn infant] Gouyon JB, et al. **Arch Fr Pediatr** 1987 Jan;44(1):57–64 **(Fre)**

[Intracellular localization of beryllium by analytical ion microscopy] Berry JP, et al. **C R Acad Sci [III]** 1987; 304(10):239–43 (Eng. Abstr.) **(Fre)**

[In vitro demonstration of histamine biosynthesis from carnosine by kidneys of pregnant mice] Arnould JM. **Can J Physiol Pharmacol** 1987 Jan;65(1):70–4 (Eng. Abstr.) **(Fre)**

[Hyperammonemia induced by propranolol in cirrhotic patients. Role of the kidney and influence of the severity of the cirrhosis] Doffoël M, et al. **Gastroenterol Clin Biol** 1987 Feb;11(2):123–7 (Eng. Abstr.) **(Fre)**

[Pharmacokinetic interaction of histamine H2 receptor antagonists: mechanism and clinical implications] Mal F, et al. **Gastroenterol Clin Biol** 1987 May;11(5):387–98 (156 ref.) **(Fre)**

[Utilization of N15-labelled urea in the laying hen. 6. Incorporation in the liver and kidneys] Gruhn K, et al. **Arch Tierernahr** 1986 Dec;36(12):1113–22 (Eng. Abstr.) **(Ger)**

[Experimental modification of the resorption process and lead deposition in the body of the domestic duck] Cibulka J, et al. **Tierarztl Prax** 1987;15(2):155–9 (Eng. Abstr.) **(Ger)**

[Role of the kidney in the metabolism of C-peptide] Zavaroni I, et al. **Minerva Endocrinol** 1986 Apr-Jun;11(2):139–41 (Eng. Abstr.) **(Ita)**

[Pharmacokinetic studies of a new oral cephem T-2588. Pharmacokinetics in gastrectomized volunteers and the renal excretory system in healthy volunteers] Shimada J, et al. **Jpn J Antibiot** 1986 Oct;39(10):2701–9 (Eng. Abstr.) **(Jpn)**

[The effect of anesthetics on renal ammoniagenesis] Takehara Y, et al. **Masui** 1987 Mar;36(3):319–23 (Eng. Abstr.) **(Jpn)**

[Effects of cadmium on metal distribution in the liver and kidney and enzyme activities in the serum during inhibited metallothionein synthesis] Inoue Y, et al. **Nippon Eiseigaku Zasshi** 1986 Dec;41(5):793–9 (Eng. Abstr.) **(Jpn)**

[The effect of arachidonic acid on prostaglandin metabolism in the isolated perfused rat kidney] Kasai Y, et al. **Nippon Jinzo Gakkai Shi** 1986 Jun;28(6):777–88 (Eng. Abstr.) **(Jpn)**

[Chronic effect of sodium and angiotensin II on the synthesis or activation of renal kallikrein in rats] Tanno M, et al. **Nippon Jinzo Gakkai Shi** 1986 Jun;28(6):789–97 (Eng. Abstr.) **(Jpn)**

[Role of adrenal catecholamines on the synthesis of renal catecholamines] Yamazaki H, et al. **Nippon Jinzo Gakkai Shi** 1986 Jun;28(6):815–20 (Eng. Abstr.) **(Jpn)**

[Increased activity of sympatho-adrenomedullary system and decreased renal dopamine receptor content after short-term and long-term sodium loading in rats] Shigetomi S, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Jul 20;62(7):776–83 (Eng. Abstr.) **(Jpn)**

[Susceptibility of urine bacteria and kidney excretion to antibiotics] Kumada T, et al. **Nippon Rinsho** 1986 Dec; 44(12):2620–5 (4 ref.) **(Jpn)**

[The biochemical and morphological response of proteases and thiol protease inhibitor in the nerve tissues, liver and kidney of methylmercury chloride-treated rats] Kumamoto T, et al. **Rinsho Shinkeigaku** 1986 Jul;26(7):717–26 (Eng. Abstr.) **(Jpn)**

[Assessment of the erythropoietin-producing function of the kidney and liver under controlled perfusion] Nefedov VP, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):404–6 (Eng. Abstr.) **(Rus)**

[Polyamine levels and diamine oxidase activity in the rat liver and kidneys during hepatocarcinogenesis induced by N-nitrosodiethylamine] Berdinskikh NK, et al. **Eksp Onkol** 1987;9(3):23–7 (Eng. Abstr.) **(Rus)**

[Glycosaminoglycans and glycan hydrolases in the kidney of rats with hereditary diabetes insipidus] Nikiforovskaia LF, et al. **Vopr Med Khim** 1987 Jan–Feb;33(1):91–6 (Eng. Abstr.) **(Rus)**

[Renal potassium excretion by patients with chronic heart failure] Gugnin AG. **Vrach Delo** 1987 Jan;(1):53–5 (Eng. Abstr.) **(Rus)**

[Renal retention of urea in sheep] Leng L, et al. **Vet Med (Praha)** 1987 Apr;32(4):201–8 (Eng. Abstr.) **(Slo)**

MICROBIOLOGY

Isolation of leptospires from nephritic kidneys of beef cattle at slaughter. Grégoire N, et al. **Am J Vet Res** 1987 Mar; 48(3):370–1

Isolation of Leptospira hardjo from kidneys of Ontario cattle at slaughter. Prescott JF, et al. **Can J Vet Res** 1987 Apr; 51(2):229–31

Regional distribution of Sindbis virus glycoproteins on the plasma membrane of infected baby hamster kidney cells. Pavan A, et al. **Exp Cell Res** 1987 Jan;168(1):53–62

Binding of Escherichia coli S fimbriae to human kidney epithelium. Korhonen TK, et al. **Infect Immun** 1986 Nov; 54(2):322–7

Localization of binding sites for purified Escherichia coli P fimbriae in the human kidney. Korhonen TK, et al. **Infect Immun** 1986 Nov;54(2):328–32

Immunogold silver staining for visualization of leptospires in histologic sections. Skilbeck NW, et al. **J Clin Microbiol** 1987 Jan;25(1):85–6

Retrovirus-like particles in embryonic kidney tissue of the platyfish, Xiphophorus maculatus. Perlmutter A, et al. **J Exp Zool** 1987 Jul;243(1):125–35

Octyl-beta-D-glucopyranoside extracts polyomavirus receptor moieties from the surfaces of mouse kidney cells. Marriott SJ, et al. **J Virol** 1987 Feb;61(2):375–82

Culturing Borrelia burgdorferi from spleen and kidney tissues of wild-caught white-footed mice, Peromyscus leucopus. Anderson JF, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):34–9

[Light microscopy studies of the adherence of Escherichia coli to cultured human kidney cells] Borgwardt B, et al. **Z Gesamte Hyg** 1986 Oct;32(10):583–7 (Eng. Abstr.) **(Ger)**

PATHOLOGY

P-fimbriated Escherichia coli in adults with renal scarring and pyelonephritis. Jacobson SH. **Acta Med Scand [Suppl]** 1986;713:1–64

Experimental study on secondary amyloidosis associated with chronic arthritis. Aoki S, et al. **Acta Pathol Jpn** 1986 Sep; 36(9):1335–46

Perirenal lymphoma. Report of a case. Lindgren PG, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jul–Aug;27(4):433–5

Long term clinical and morphological evaluation of acute renal failure. Bonomini V, et al. **Adv Exp Med Biol** 1987; 212:27–33

The role of renal biopsy in acute renal failure. D'Amico G, et al. **Adv Exp Med Biol** 1987;212:35–9

Structural–functional correlates in acute renal failure. Eknoyan G, et al. **Adv Exp Med Biol** 1987;212:15–25 (31 ref.)

Pathologic significance of nephromegaly in pediatric disease. Brenbridge AN, et al. **Am J Dis Child** 1987 Jun; 141(6):652–4

Clinical significance of renal biopsies showing mixed mesangial and global proliferative lupus nephritis. Baumal R, et al. **Am J Kidney Dis** 1987 Sep;10(3):236–40

Steroid-responsive nephrotic syndrome of childhood: a long-term study of clinical course, histopathology, efficacy of cyclophosphamide therapy, and effects on growth. Berns JS, et al. **Am J Kidney Dis** 1987 Feb;9(2):108–14

Dyazide-induced reversible acute renal failure associated with intracellular crystal deposition. Farge D, et al. **Am J Kidney Dis** 1986 Dec;8(6):445–9

Analysis of risk factors for patient and renal survival in crescentic glomerulonephritis. Heilman RL, et al. **Am J Kidney Dis** 1987 Feb;9(2):98–107

Histopathologic evaluation of lupus patients with transient renal failure. Henry R, et al. **Am J Kidney Dis** 1986 Dec; 8(6):417–21

Renal involvement in juvenile chronic arthritis: clinical and pathologic features. Lévy M, et al. **Am J Kidney Dis** 1987 Feb;9(2):138–46

The spectrum of renal histopathology in patients with significant proteinuria in Vanuatu. Rhodes K, et al. **Am J Kidney Dis** 1987 Jul;10(1):52–5

Animal model: renal lesions in cats with Chediak–Higashi–Steinbrinck syndrome. Hargis AM, et al. **Am J Med Genet** 1987 Jan;26(1):169–79

Clinicopathological associations in mesangial IgA nephropathy [letter] Bennett WM, et al. **Am J Nephrol** 1987;7(2):166–7

Recurrent membranoproliferative glomerulonephritis type 1 in successive renal transplants. Glicklich D, et al. **Am J Nephrol** 1987;7(2):143–9

Cholesterol atheroembolic renal disease with necrotizing glomerulonephritis [letter] Rémy P, et al. **Am J Nephrol** 1987;7(2):164–5

Paucity of minimal-change lesion in children with early frequently relapsing steroid-responsive nephrotic syndrome. Trachtman H, et al. **Am J Nephrol** 1987; 7(1):13–7

Renal autoregulation and vulnerability to hypertensive injury in remnant kidney. Bidani AK, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1003–10

Low-grade renal cell carcinoma. A clinicopathologic study of 53 cases. Medeiros LJ, et al. **Am J Surg Pathol** 1987 Aug;11(8):633–42

Liesegang rings in tissue. How to distinguish Liesegang rings from the giant kidney worm, Dioctophyma renale. Tuur SM, et al. **Am J Surg Pathol** 1987 Aug;11(8):598–605

Transitional and mucous metaplasia of the renal collecting ducts and renal papilla [letter] Verani RR. **Am J Surg Pathol** 1987 Jan;11(1):83–4

Large echogenic kidneys in biliary atresia. Boechat MI, et al. **Ann Radiol (Paris)** 1986;29(8):660–2

Renal interstitial fibrosis and vascular changes. Occurrence in patients with autoimmune diseases treated with cyclosporine. Svenson K, et al. **Arch Intern Med** 1986 Oct; 146(10):2007–10

Multilocular renal cyst. A hamartoma with potential for neoplastic transformation? Sherman ME, et al. **Arch Pathol Lab Med** 1987 Aug;111(8):732–6

Mushroom poisoning due to Cortinarius speciosissimus: electron microscope study in rats. Lahtiperä S, et al. **Arch Toxicol [Suppl]** 1986;9:315–9

Ceftazidime does not enhance cyclosporin-A nephrotoxicity in febrile bone marrow transplantation patients. Verhagen C, et al. **Blut** 1986 Oct;53(4):333–9

Relationship between blood pressure level, renal histopathological lesions and plasma renin activity in fawn-hooded rats. Kuijpers MH, et al. **Br J Exp Pathol** 1987 Apr;68(2):179–87

Renal enlargement as a primary presentation of acute lymphoblastic leukaemia. Gupta S, et al. **Br J Radiol** 1985 Sep;58(693):893–5

Renal failure and the histopathological features of myeloma kidney reversed by intensive chemotherapy and peritoneal dialysis. Rose PE, et al. **Br Med J** 1987 Feb 14; 294(6569):411–2

Collecting duct function in cis-platinum nephrotoxicity. Wilson DR, et al. **Can J Physiol Pharmacol** 1987 Jun; 65(6):1200–4

Subacute nephrotoxicity and induction of renal cell carcinoma in mice treated with ferric nitrilotriacetate. Li JL, et al. **Cancer Res** 1987 Apr 1;47(7):1867–9

Histological changes following high-dose methotrexate and cisplatinum administration and the influence of dosage scheduling. el-Badawi MG, et al. **Chemotherapy** 1987; 33(4):278–86

Pathological renal changes in epidemic hemorrhagic fever accompanied by chronic renal failure in one case. Yan PS, et al. **Chin Med J [Engl]** 1986 Jun;99(6):503–6

Structural changes in the diabetic kidney. Osterby R. **Clin Endocrinol Metab** 1986 Nov;15(4):733–51 (50 ref.)

The kidney in diabetes: significance of the early abnormalities. Viberti GC, et al. **Clin Endocrinol Metab** 1986 Nov;15(4):753–82 (180 ref.)

Kidney pathology in endemic nephropathy. Mandal AK, et al. **Clin Nephrol** 1987 Jun;27(6):304–8

Renal histological lesions and clinical syndromes in multiple myeloma. Renal Immunopathology Group. Pasquali S, et al. **Clin Nephrol** 1987 May;27(5):222–8

Tumor crescents from intraglomerular metastases. Perl SI, et al. **Clin Nephrol** 1987 May;27(5):260–2

Emphysematous pyelonephritis [letter] Sabto J. **Clin Nephrol** 1986 Nov;26(5):266–7

Renal impairment in sarcoidosis: granulomatous nephritis as an isolated cause (two case reports and review of the literature). Singer DR, et al. **Clin Nephrol** 1986 Nov; 26(5):250–6

Follow-up studies of three subtypes of acute postinfectious glomerulonephritis ascertained by renal biopsy. Sorger K, et al. **Clin Nephrol** 1987 Mar;27(3):111–24

Percutaneous renal biopsy in infants and young children. Sweet M, et al. **Clin Nephrol** 1986 Oct;26(4):192–4

A prospective study on the impact of the renal biopsy in clinical management. Turner MW, et al. **Clin Nephrol** 1986 Nov;26(5):217–21

Cardiac and renal hyperplasia in newborn spontaneously hypertensive rats. Kunes J, et al. **Clin Sci** 1987 Mar; 72(3):271–5

Possible mechanism of unconjugated bilirubin toxicity on renal tissue. Elías MM, et al. **Comp Biochem Physiol [A]** 1987;87(4):1003–7

Renal biopsy in ciclosporin-treated kidney transplant patients. Banfi G, et al. **Contrib Nephrol** 1986;51:162–4

Kidney morphology in experimental hyperglycemia. Kern TS, et al. **Diabetes** 1987 Feb;36(2):244–9

Relative increase in insulin-like growth factor I messenger ribonucleic acid levels in compensatory renal hypertrophy. Fagin JA, et al. **Endocrinology** 1987 Feb;120(2):718–24

Regression of renal hypertrophy and elevated renal Na+,K+-ATPase activity after insulin treatment in streptozotocin-diabetic rats. Ku DD, et al. **Endocrinology** 1987 May;120(5):2166–73

Kidney puncture revisited. Göthlin JH. **Eur J Radiol** 1987 May;7(2):76–82

Renal lesions following administration of calcitonin. A consideration on the morphological similarities to IgA nephropathy. Yamaguchi H, et al. **Exp Pathol** 1987; 31(1):17–24

A clinico-pathologoanatomical study of renal damage in patients with diabetes mellitus. Tsonev K, et al. **Folia Med (Plovdiv)** 1986;28(2):16–20

Acute, 9-day, and 13-week vapor inhalation studies on ethylene glycol monohexyl ether. Klonne DR, et al. **Fundam Appl Toxicol** 1987 Feb;8(2):198–206

The pathogenesis of trimethyltin chloride-induced nephrotoxicity. Robertson DG, et al. **Fundam Appl Toxicol** 1987 Feb;8(2):147–58

Effect of aging and exercise on the kidney. Anatomical and morphological studies. Lichtig C, et al. **Gerontology** 1987; 33(1):40–8

Haemolytic-uraemic syndrome in recipients of bone marrow transplants not treated with cyclosporin A. Marshall RJ, et al. **Histopathology** 1986 Sep;10(9):953–62

Clinical and pathologic features of polyarteritis nodosa and its renal-limited variant: primary crescentic and necrotizing glomerulonephritis. Croker BP, et al. **Hum Pathol** 1987 Jan; 18(1):38–44

Complete and incomplete Drash syndrome: a clinicopathologic study of five cases of a dysontogenetic-neoplastic complex. Manivel JC, et al. **Hum Pathol** 1987 Jan;18(1):80–9

The macrophagic origin of multinucleated giant cells in myeloma kidney: an immunohistologic study. Sedmak DD, et al. **Hum Pathol** 1987 Mar;18(3):304–6

Renal pathology and aging [editorial] Wagner BM. **Hum Pathol** 1987 Jul;18(7):659–60

Renal lesions following viper bites—a study of 14 years. Mittal BV, et al. **Indian J Med Res** 1986 Jun;83:642–51

Cisplatin nephrotoxicity: insights into mechanism. Safirstein R, et al. **Int J Androl** 1987 Feb;10(1):325–46

Rapid immunofluorescence staining of human renal biopsy specimens using microwave irradiation. Chiu KY, et al. **J Clin Pathol** 1987 Jun;40(6):689–92

Kidney lesions in copper-deficient rats. Fell BF, et al. **J Comp Pathol** 1987 Mar;97(2):187–96

Cardiac and renal hyperplasia in newborn genetically hypertensive rats. Pang SC, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S119–22

Effects of continuous subcutaneous insulin infusion on renal morphology in experimental diabetes. I. Blood glucose levels, body size, kidney weight and glomerulotubular morphometry. Mayhew TM, et al. **J Pathol** 1987 Feb; 151(2):147–55

Alterations in renal structure and function in a rat model of cyclosporine nephrotoxicity. Jackson NM, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):749–56

Multilocular, predominantly cystic, renal cell carcinoma: an unusual gross appearance (a case report). Deshpande RB, et al. **J Postgrad Med** 1986 Oct;32(4):239–40

Cyclosporine A nephrotoxicity: evidence for mesangial foam-cells in dogs. Blanc-Brunat N, et al. **J Submicrosc Cytol** 1987 Jan;19(1):149–54

Sonographic evaluation of the kidney following

extracorporeal shock wave lithotripsy. Kaude JV, et al. **J Ultrasound Med** 1987 Jun;6(6):299–306

Renal sonography in Bartter syndrome. Strauss S, et al. **J Ultrasound Med** 1987 May;6(5):265–7

Sarcomatoid carcinoma of the kidney. Bertoni F, et al. **J Urol** 1987 Jan;137(1):25–8

Experimental partial ureteric obstruction in newborn rats. VII. Are the long term effects on renal morphology avoided by release of the obstruction? Claesson G, et al. **J Urol** 1986 Dec;136(6):1330–4

Hypernephroma associated with multiple endocrine neoplasia type I: a case report. Denker PS, et al. **J Urol** 1986 Oct; 136(4):896–8

Comparative value of ultrasonography, computerized tomography, angiography and excretory urography in the staging of renal cell carcinoma. Frohmüller HG, et al. **J Urol** 1987 Sep;138(3):482–4

Two cases of primary neuroblastoma of the kidney in adults. Gohji K, et al. **J Urol** 1987 May;137(5):966–8

Transitional cell carcinoma in the Muir–Torre syndrome. Grignon DJ, et al. **J Urol** 1987 Aug;138(2):406–8

Primary malignant fibrous histiocytoma of the kidney: report of a case. Kollias G, et al. **J Urol** 1987 Aug;138(2):400–1

1,25–Dihydroxyvitamin D3 receptors and their relationship to histological features in renal cell carcinoma. Nagakura K, et al. **J Urol** 1987 Jun;137(6):1300–3

Liddle's syndrome, an uncommon form of hyporeninemic hypoaldosteronism: functional and histopathological studies. Nakada T, et al. **J Urol** 1987 Apr;137(4):636–40

Perirenal subcapsular fluid collection in a patient with membranous nephropathy and renal vein thrombosis. Orofino L, et al. **J Urol** 1986 Dec;136(6):1287–9

The nephrotoxic potential of gentamicin in the cat: a pharmacokinetic and histopathologic investigation. Short CR, et al. **J Vet Pharmacol Ther** 1986 Sep;9(3):325–9

Fibrillary glomerulonephritis: an entity with unusual immunofluorescence features. Alpers CE, et al. **Kidney Int** 1987 Mar;31(3):781–9

Polyamine metabolism in compensatory renal growth. Austin HA 3d, et al. **Kidney Int** 1983 Apr;23(4):581–7

Adenosine and compensatory renal growth. Bergeron M, et al. **Kidney Int** 1983 Apr;23(4):588–93

Proximal tubule morphology after single nephron obstruction in the rat kidney. Evan AP, et al. **Kidney Int** 1986 Dec; 30(6):818–27

Cyst formation and growth in autosomal dominant polycystic kidney disease. Grantham JJ, et al. **Kidney Int** 1987 May; 31(5):1145–52

Renotrophic factors in urine. Harris RH, et al. **Kidney Int** 1983 Apr;23(4):616–23

Effect of age on compensatory renal growth. Hayslett JP. **Kidney Int** 1983 Apr;23(4):599–602

Relationship between vascular disease and age-associated changes in the human kidney. Kasiske BL. **Kidney Int** 1987 May;31(5):1153–9

Humoral factors in regulation of compensatory renal hypertrophy. Malt RA. **Kidney Int** 1983 Apr;23(4):611–5 (81 ref.)

Messenger RNA regulation during compensatory renal growth. Ouellette AJ. **Kidney Int** 1983 Apr;23(4):575–80

Renal mass and reserve of vitamin D: determinants in primary hyperparathyroidism. Patron P, et al. **Kidney Int** 1987 May; 31(5):1174–80

Serum renotropic activity and renal growth in spontaneously hypertensive rats. Preuss HG, et al. **Kidney Int** 1983 Apr; 23(4):635–42

Renal hypertrophy in experimental diabetes mellitus. Seyer-Hansen K. **Kidney Int** 1983 Apr;23(4):643–6

Effect of chronic administration of different Bence Jones proteins on rat kidney. Smolens P, et al. **Kidney Int** 1986 Dec;30(6):874–82

A new method for studying human polycystic kidney disease epithelia in culture. Wilson PD, et al. **Kidney Int** 1986 Sep; 30(3):371–8

Renal growth in response to unilateral ureteral obstruction. Zelman SJ, et al. **Kidney Int** 1983 Apr;23(4):594–8

Renal damage induced in the clipped kidney of one-clip, two-kidney hypertensive rats during normalization of blood pressure by converting enzyme inhibition. Michel JB, et al. **Kidney Int [Suppl]** 1987 May;20:S168–72

Histopathology of streptozotocin-induced diabetic DBA/2N and CD-1 mice. Honjo K, et al. **Lab Anim** 1986 Oct; 20(4):298–303

Renal scarring and non-attaching Escherichia coli [letter] Lomberg H, et al. **Lancet** 1986 Dec 6;2(8519):1341

Cyclosporin conversion versus conventional immunosuppression: long-term follow-up and histological evaluation. Morris PJ, et al. **Lancet** 1987 Mar 14; 1(8533):586–91

Histopathology of organ lesions in mice after an intravenous or intratracheal or intrarenal infection with aspergillus fumigatus. Walzl HL, et al. **Mykosen** 1987 Jan;30(1):10–8

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 14–1987. A 73-year-old woman with proteinuria and coronary-artery disease. **N Engl J Med** 1987 Apr 2;316(14):860–9

Scottish Renal Association meeting. 31 October–1 November 1986. **Nephrol Dial Transplant** 1987;2(1):56–63

Modified open renal biopsy: results in 934 patients. Nomoto Y, et al. **Nephron** 1987;45(3):224–8

Stereomicroscopic examination of kidney tissue. A method for rapid identification of renal cortex in biopsy specimen [letter] Saxena S, et al. **Nephron** 1987;45(3):249

Animal model of adenine-induced chronic renal failure in rats. Yokozawa T, et al. **Nephron** 1986;44(3):230–4

An uncommon variant of Bartter's syndrome. Aalbers R, et al. **Neth J Med** 1987 Jun;30(5–6):295–300

Perivascular and interstitial fibrosis in the kidney associated with liver cirrhosis: a histopathologic study of autopsy cases. Maeda K. **Nippon Jinzo Gakkai Shi** 1987 Mar; 29(3):301–7

Differential diagnosis of hydronephrosis types I and II in rats by echography. Suzuki K, et al. **Nippon Juigaku Zasshi** 1987 Jun;49(3):543–6

Lupus nephritis: a 13-year experience. Walker RJ, et al. **NZ Med J** 1986 Nov 26;99(814):894–6

Reduction of cis-dichlorodiammineplatinum(II) caused nephrotoxicity by indazolone carboxylic acid. Radačić M, et al. **Oncology** 1987;44(1):34–7

Leptospirosis as a cause of "white spot" kidneys in South African pig abattoirs. Hunter P, et al. **Onderstepoort J Vet Res** 1987 Mar;54(1):59–62

Immune complex glomerulonephritis in experimental kala-azar. Sartori A, et al. **Parasite Immunol** 1987 Jan; 9(1):93–103

Percutaneous fine-needle aspiration biopsy cytology of the kidney and adrenal. Nguyen GK. **Pathol Annu** 1987;22 Pt 1:163–91

Tubulo-interstitial alterations in type I membranoproliferative glomerulonephritis. An investigation of 259 cases. Schmitt H, et al. **Pathol Res Pract** 1987 Feb;182(1):6–10

Preservation of renal structure and function in the rat remnant kidney model of chronic renal failure by enalapril treatment. Jackson B, et al. **Pathology** 1987 Jan;19(1):38–42

Microwave fixation in diagnostic renal pathology. Mac-Moune Lai F, et al. **Pathology** 1987 Jan;19(1):17–21

In vitro dielectric properties of human tissues at radiofrequencies. Surowiec A, et al. **Phys Med Biol** 1987 May;32(5):615–21

Effect of dietary acidification on kidney damage induced in immature chickens by excess calcium and infectious bronchitis virus. Wideman RF Jr, et al. **Poult Sci** 1987 Apr; 66(4):626–33

Renal functions following hyperbaric oxygen toxicity in conscious rats. Chen CF, et al. **Proc Natl Sci Counc Repub China [B]** 1987 Jan;11(1):66–71

Doppler signal quantitation in renal allografts: comparison in normal and rejecting transplants, with pathologic correlation. Rigsby CM, et al. **Radiology** 1987 Jan;162(1 Pt 1):39–42

The cytotoxic effects of trimethylpentane on rat renal tissue. Norton WN, et al. **Scanning Microsc** 1987 Jun;1(2):783–90

Renal biopsy. **Semin Nephrol** 1985 Dec;5(4):237–313

The natural history and clinical features of renal carcinoma. Ritchie AW, et al. **Semin Nephrol** 1987 Jun;7(2):131–9 (59 ref.)

Biological aspects of renal cell carcinoma. Vugrin D. **Semin Nephrol** 1987 Jun;7(2):117–22 (46 ref.)

An adult case of Fanconi's syndrome associated with membranous nephropathy. Yagame M, et al. **Tokai J Exp Clin Med** 1986 May;11(2):101–6

Infiltrate analysis by monoclonal antibodies does not contribute to the usefulness of fine needle aspiration biopsy. van Oers MH, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1646–9

Evidence that renal prostaglandin and thromboxane production is stimulated in chronic cyclosporine nephrotoxicity. Coffman TM, et al. **Transplantation** 1987 Feb;43(2):282–5

Modification of experimental nephrotoxicity with fish oil as the vehicle for cyclosporine. Elzinga L, et al. **Transplantation** 1987 Feb;43(2):271–4

99mTc–aprotinin for the study of renal morphology and tubular function. Bianchi C, et al. **Uremia Invest** 1985–86; 9(2):139–46 (22 ref.)

Ultrasonically continuously guided renal biopsy. Branger B, et al. **Uremia Invest** 1985–86;9(2):297–303

Percutaneous renal biopsies: accuracy, safety, and indications. Nadel L, et al. **Urol Radiol** 1986;8(2):67–71

Tuberous sclerosis with angiomyolipoma and metastasized hypernephroma. Ahuja S, et al. **Urology** 1986 Nov; 28(5):413–9

Pathologic effects of ESWL on canine renal tissue. Newman R, et al. **Urology** 1987 Feb;29(2):194–200

Leiomyosarcoma of kidney. Rakowsky E, et al. **Urology** 1987 Jan;29(1):68–70

Ultrasonography and needle aspiration in diagnosis of xanthogranulomatous pyelonephritis. Sease WC, et al. **Urology** 1987 Feb;29(2):231–5

Renal cell cancer: best recipient of tumor-to-tumor metastasis. Sella A, et al. **Urology** 1987 Jul;30(1):35–8

Simultaneous renal cell carcinoma and squamous cell carcinoma of kidney. Valderrama E, et al. **Urology** 1987 Apr;29(4):441–5

Renal oncocytoma: immuno- and carbohydrate histochemical characterization. Holthöfer H. **Virchows Arch [A]** 1987;410(6):509–13

The suramin-treated rat as a model of mucopolysaccharidosis. Variation in the reversibility of biochemical and morphological changes among different organs. Rees S, et al. **Virchows Arch [B]** 1986;52(3):259–72

Correlative histochemical studies on preneoplastic and neoplastic lesions in the kidney of rats treated with nitrosamines. Tsuda H, et al. **Virchows Arch [B]** 1986; 51(5):385–404

Pelviureteric obstruction in children: growth of kidney parenchymal area after pyeloplasty. Vihma Y. **Z Kinderchir** 1987 Apr;42(2):91–3

The influence of Haloperidolum on white rat kidney after surgical removal of liver lobe. Zarebska A, et al. **Z Mikrosk Anat Forsch** 1987;101(2):229–44

Renal changes in vesicoureteral reflux—human reflux nephropathy. Marek J, et al. **Zentralbl Allg Pathol** 1986; 132(5–6):413–22

[Ultrasonic follow-up of the transplanted kidney] Kumanov Kh, et al. **Khirurgiia (Sofiia)** 1986;39(5):62–5 (Eng. Abstr.) **(Bul)**

[Histopathological effects of technical benzene hexachloride and lindane on the rat liver and kidney] Su YX, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Nov; 20(6):356–8 (Eng. Abstr.) **(Chi)**

[Clinicopathologic analysis of 16 renal puncture biopsies—a light, electron and immunofluorescence microscopic study] Rao WY, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Sep;17(3):232–5 (Eng. Abstr.) **(Chi)**

[Hepatitis B surface antigen in childhood nephrotic syndrome and its correlation with renal histopathology] Lin GJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Oct;85(10):956–62 (Eng. Abstr.) **(Chi)**

[Incidence and morphology of analgesic nephropathy 1972–1981] Marek J. **Sb Lek** 1987 Feb–Mar;89(2–3):33–40 (Eng. Abstr.) **(Cze)**

[Magnetic resonance imaging of the transplanted kidney] Van Gansbeke D, et al. **Acta Urol Belg** 1987;55(1):36–42 (Eng. Abstr.) **(Fre)**

[Value of the echography of the maternal kidney during pregnancy] Nguyen Tan Lung R, et al. **Ann Urol (Paris)** 1986;20(6):381–3 (Eng. Abstr.) **(Fre)**

[The action of phenylmercuriacetate and nitrate in combined application in rats: the thyroid gland, liver enzymes and morphologic findings in the brain and kidney] Höring H, et al. **Nahrung** 1986;30(7):713–21 (Eng. Abstr.) **(Ger)**

[The colon as a perirenal space-occupying structure in ultrasonic examination] Sievers KW, et al. **ROFO** 1987 Jul; 147(1):95–6 **(Ger)**

[Reflux nephropathy. Pathologic anatomy, differential diagnosis and etiopathogenesis] Laberke HG. **Veroff Pathol** 1987;128:1–257 (Eng. Abstr.) **(Ger)**

[Unilateral atrophy of the kidney] Flamm J, et al. **Wien Med Wochenschr** 1986 Sep 15;136(17):427–9 (Eng. Abstr.) **(Ger)**

[Mediator concepts and modulation of renal compensatory adaptation] Wüstenberg PW, et al. **Z Urol Nephrol** 1986 Nov;79(11):655–70 (Eng. Abstr.) **(Ger)**

[Importance of tubulo-interstitial changes in glomerular excretory and urine concentrating function of the kidney] Bohle A, et al. **Zentralbl Allg Pathol** 1986;132(5–6):351–63 (22 ref.) (Eng. Abstr.) **(Ger)**

[Morphology of IgA nephritis (Berger disease). Immunohistologic, light- and electron microscopic findings] Dunker H, et al. **Zentralbl Allg Pathol** 1987; 133(3):263–78 (Eng. Abstr.) **(Ger)**

[Histopathology of drug and toxin induced kidney lesions] Olsen S. **Zentralbl Allg Pathol** 1986;132(5–6):365–83 (52 ref.) (Eng. Abstr.) **(Ger)**

[Incidence of glomerular diseases in kidney biopsy materials using WHO classification] Serov VV, et al. **Zentralbl Allg Pathol** 1986;132(5–6):471–5 (Eng. Abstr.) **(Ger)**

[Postmortem immunofluorescence study of the kidney] Lászik Z, et al. **Morphol Igazsagugyi Orv Sz** 1986 Oct; 26(4):298–303 (Eng. Abstr.) **(Hun)**

[Pathology of the basement membrane of Bowman's capsule] Tóth T. **Morphol Igazsagugyi Orv Sz** 1987 Apr;27(2):99–105 (Eng. Abstr.) **(Hun)**

[Clinical picture and anatomopathologic findings in a case of the lymphomucocutaneous syndrome (Kawasaki disease)] Micheletti E, et al. **Minerva Pediatr** 1987 Jun 30; 39(11–12):537–43 (Eng. Abstr.) **(Ita)**

[Tamm-Horsfall protein. Histological and immunohistochemical study of renal and lymph node pathological deposits] Zanetti G, et al. **Pathologica** 1986 May–Jun;78(1055):339–47 (Eng. Abstr.) **(Ita)**

[Pathologic processes in hydronephrosis—an experimental pathologic study] Kakinoki K. **Nippon Hinyokika Gakkai Zasshi** 1986 Nov;77(11):1767–78 (Eng. Abstr.) **(Jpn)**

[A case of renal cell carcinoma diagnosed by percutaneous transvenous tumor biopsy] Nakamura K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Nov 25; 46(11):1296–301 (Eng. Abstr.) **(Jpn)**

[Fine-needle aspiration biopsy under sonographic guidance in renal and retroperitoneal masses] Takebayashi S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Nov 25; 46(11):1274–80 (Eng. Abstr.) **(Jpn)**

[Histological and immunological study on nephropathy by spontaneous diabetic mice] Hashimoto T. **Nippon Jinzo Gakkai Shi** 1986 Aug;28(8):1051–62 (Eng. Abstr.) **(Jpn)**

[Computerized tomographic and ultrasonographic demonstration of renal hematomas following percutaneous renal biopsy] Koumoto J, et al. **Nippon Jinzo Gakkai Shi** 1986 Jun;28(6):821–8 (Eng. Abstr.) **(Jpn)**

[Clinicopathological study of renal biopsy cases with

predominant IgM deposition with particular reference to the disease entity, IgM nephropathy] Maeda S, et al. **Nippon Jinzo Gakkai Shi** 1986 Oct;28(10):1399–409 (Eng. Abstr.) (Jpn)

[Clinico-pathological study of IgA nephropathy with nephrotic syndrome] Soda K, et al. **Nippon Jinzo Gakkai Shi** 1986 Jun;28(6):721–8 (Eng. Abstr.) (Jpn)

[Fabry's disease detected by renal biopsy] Skjørten F, et al. **Tidsskr Nor Laegeforen** 1987 Mar 30;107(9):848, 873 (Eng. Abstr.) (Nor)

[Structural changes in the liver and kidneys in traumatic illness with various methods of resuscitation] Magomedov AG. **Anesteziol Reanimatol** 1986 Sep–Oct;(5):42–4 (Eng. Abstr.) (Rus)

[Morphofunctional correlates of the nephrotoxic action of cis-platin] Bakhteeva VT, et al. **Arkh Patol** 1987; 49(3):48–54 (Eng. Abstr.) (Rus)

[Morphology of analgesic nephropathy and its incidence in Czechoslovakia] Marek I. **Arkh Patol** 1986;48(12):35–40 (Eng. Abstr.) (Rus)

[What to call glomerulonephritis: controversial problems of classification] Serov VV, et al. **Arkh Patol** 1987;49(1):67–75 (Eng. Abstr.) (Rus)

[Morphologic changes in the kidneys in acute kidney failure due to acute pancreatitis] Krylov AA, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):489–91 (Eng. Abstr.) (Rus)

[Lesions of target organs in arterial hypertension] Shkhvatsabaia IK, et al. **Kardiologiia** 1986 Oct;26(10):75–80 (Eng. Abstr.) (Rus)

[Pathologically mobile kidneys] Fedorchenko PM, et al. **Klin Khir** 1986;(12):8–10 (Eng. Abstr.) (Rus)

[Intravital echotomographic estimation of the mass of neoplastic lesions of the kidneys and adrenal glands] Bogin IuN, et al. **Klin Med (Mosk)** 1987 Jan;65(1):121–2 (Rus)

[Kidney lesions in hemorrhagic vasculitis] Diadyk AI, et al. **Revmatologiia (Moskva)** 1986 Jul–Sep;(3):51–6 (117 ref.) (Rus)

[Morphologic criteria for the diagnosis of gouty nephropathy] Vasilenko IV, et al. **Sov Med** 1986;(11):63–6 (Rus)

[Structure of the pathology of the senile kidney and its diagnostic difficulties] Borisov IA, et al. **Ter Arkh** 1986; 58(8):37–45 (Rus)

[Renal oncocytoma. Review apropos of a case in a single kidney] Burgos FJ, et al. **Actas Urol Esp** 1987 Jan–Feb; 11(1):77–82 (Eng. Abstr.) (Spa)

[Surgical possibilities in bilateral renal carcinoma and in carcinoma of the solitary kidney: our experience] Machuca J, et al. **Arch Esp Urol** 1986 Nov–Dec;39(9):637–44 (Eng. Abstr.) (Spa)

[Renal graft, liver disease and acute abdomen (clinical conference)] **Medicina (B Aires)** 1985;45(3):291–6 (Spa)

PHYSIOLOGY

Data on renal hypothermia by the venous passage. Furka I, et al. **Acta Chir Hung** 1986;27(4):217–21

Renal function in normal and kidney traumatized germfree rats. Visy M, et al. **Acta Microbiol Hung** 1987;34(1):3–10

Blood pressure and renal function during normal pregnancy. Wichman K, et al. **Acta Obstet Gynecol Scand** 1986; 65(6):561–6

Studies in renal response to various protein intakes in preterm infants. Herin P, et al. **Acta Paediatr Scand** 1987 May; 76(3):447–52

Humoral factors involved in the regulation of sodium-fluid balance in man. III. Renal prostaglandins and renin-angiotensin-aldosterone system in hypertensive disorders. Somova L, et al. **Acta Physiol Pharmacol Bulg** 1986;12(4):47–52

Plasma cholesterol levels in eviscerated rats. Penhos JC, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(3):329–36

Epidermal growth factor is expressed by cells in the distal tubules during postnephrectomy renal growth. Jennische E, et al. **Acta Physiol Scand** 1987 Mar;129(3):449–50

Effect of norepinephrine and angiotensin II on intrarenal oxygen availability. Baker R, et al. **Adv Exp Med Biol** 1986; 200:403–12

Correlation between mitochondrial respiratory dysfunction and Na+-reabsorption in the reoxygenated rat kidney. Gronow G, et al. **Adv Exp Med Biol** 1986;200:515–22

Effects of kinins on the isolated perfused rat kidney and evidence for the presence of renal B1 receptors. Guimarães JA, et al. **Adv Exp Med Biol** 1986;198 Pt A:559–62

Hemodynamics of the isolated perfused rat kidney in the absence and presence of kallikrein substrate. Mair M, et al. **Adv Exp Med Biol** 1986;198 Pt A:173–80

Mechanism of urinary kallikrein excretion and its action on water excretion. Martínez Seeber A, et al. **Adv Exp Med Biol** 1986;198 Pt B:207–9

The role of renal kallikrein-kinin system and prostaglandins in diuresis and natriuresis following saline infusion in normotensives and essential hypertensives. Nishimiya T, et al. **Adv Exp Med Biol** 1986;198 Pt B:337–42

The renal kallikrein-kinin system: a look at the controversies. Pisano JJ, et al. **Adv Exp Med Biol** 1986;198 Pt B:193–205

Proceedings from the International Symposium on Renal Function and Disease in Pregnancy. Chicago, Illinois, September 19–20, 1986. **Am J Kidney Dis** 1987 Apr; 9(4):243–380

The kidney: therapeutic implications of ACE inhibition and other areas of new research. San Francisco, California, June 28–29, 1985, February 28–March 1, 1986. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):1–93

Atrial natriuretic peptide and the kidney. Ballermann BJ, et al. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):7–12 (31 ref.)

The determinants of renal hemodynamics in pregnancy. Baylis C. **Am J Kidney Dis** 1987 Apr;9(4):260–4 (9 ref.)

Possible mechanisms for changes in renal hemodynamics during pregnancy: studies from animal models. Conrad KP. **Am J Kidney Dis** 1987 Apr;9(4):253–9 (13 ref.)

Kidney function in pregnant women. Davison JM. **Am J Kidney Dis** 1987 Apr;9(4):248–52 (12 ref.)

Renal hemodynamic changes in humans. Response to protein loading in normal and diseased kidneys. Bosch JP, et al. **Am J Med** 1986 Nov;81(5):809–15

The reno-hepatic axis of blood pressure control: further studies. Muirhead EE, et al. **Am J Med Sci** 1987 Mar; 293(3):177–81

Influence of mannitol and dopamine on renal function during elective infrarenal aortic clamping in man. Paul MD, et al. **Am J Nephrol** 1986;6(6):427–34

Isolation and characterization of a Na-H antiporter-deficient mutant of LLC-PK1 cells. Agarwal N, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):C825–30

Renal autoregulation: models combining tubuloglomerular feedback and myogenic response. Aukland K, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F768–83

Specific alpha 1-, alpha 2-, and beta-responses to norepinephrine in pyruvate-perfused rat kidneys. Baines AD, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F170–6

Reactive oxygen species: production and role in the kidney. Baud L, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F765–76 (85 ref.)

Renal effects of atrial natriuretic factor in primate. Bourgoignie JJ, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):F1049–54

Renal effects of selective adenosine receptor agonists in anesthetized rats. Churchill PC, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):F299–303

Effects of renal receptor activation on neurosecretory vasopressin cells. Day TA, et al. **Am J Physiol** 1987 Aug; 253(2 Pt 2):R234–41

Adenosine inhibits beta-adrenoceptor but not DBcAMP-induced renin release. Deray G, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F46–52

Temperature sensitivity of renin-angiotensin system in the ground squirrel. Harker CT, et al. **Am J Physiol** 1987 Sep; 253(3 Pt 2):F471–5

Contribution of AV3V region in anephric NaCl-induced hypertension in the rat. Haywood JR, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F536–42

Electrical properties of sodium bicarbonate symport in kidney epithelial cells (BSC-1). Jentsch TJ, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):F954–68

Renal effects of angiotensin II: modulation by calcium and cyclooxygenase products. Kasiske BL, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):F1043–8

Exchange of multiple indicators across renal-like epithelia: a modeling study of six physiological regimes. Lumsden CJ, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):F1073–89

Effects of hypoproteinemia on renal hemodynamics, arterial pressure, and fluid volume. Manning RD Jr. **Am J Physiol** 1987 Jan;252(1 Pt 2):F91–8

Atrial natriuretic factor and renal function during head-out water immersion in conscious dogs. Miki K, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):R1000–4

Effects of tumor promoters on LLC-PK1 renal epithelial tight junctions and transepithelial fluxes. Mullin JM, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):C597–602

Renal autoregulation and pressure natriuresis during ANF-induced diuresis. Paul RV, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F424–31

Gap junctions and synchronization of polarization process during epithelial reorganization. Rabito CA, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):C329–36

Renal function and sodium balance in conscious Dahl S and R rats. Roman RJ, et al. **Am J Physiol** 1987 May;252(5 Pt 2):R833–41

Hippocampal and renal type I receptors are differentially regulated. Stephenson G, et al. **Am J Physiol** 1987 Apr; 252(4 Pt 1):E525–9

Placental and renal control of plasma osmolality in chronically cannulated ovine fetus. Towstoless MK, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):R389–95

Effect of protein-restricted diet on renal response to a meat meal in humans. Viberti G, et al. **Am J Physiol** 1987 Sep; 253(3 Pt 2):F388–93

Renal regulation of interorgan glutamine flow in metabolic acidosis. Welbourne TC, et al. **Am J Physiol** 1986 Nov; 251(5 Pt 2):R859–66

Adenosine 3',5'-cyclic monophosphate stimulates chloride secretion in A6 epithelia. Yanase M, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):C810–4

Cardiorenal-endocrine dynamics during and following volume expansion. Zimmerman RS, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R336–40

Evaluation of 99mTc-diethylenetriaminepentaacetic acid nuclear imaging for quantitative determination of the glomerular filtration rate of dogs. Krawiec DR, et al. **Am J Vet Res** 1986 Oct;47(10):2175–9

Long-term renal function in kidney donors [letter] Sprecher LJ. **Ann Intern Med** 1986 Dec;105(6):975

Kidney zinc-thionein regulation of delta-aminolevulinic acid dehydratase inhibition by lead. Goering PL, et al. **Arch Biochem Biophys** 1987 Feb 15;253(1):48–55

Rat kidney function related to tissue glutathione levels. Torres AM, et al. **Biochem Pharmacol** 1986 Oct 1; 35(19):3355–8

Renal and non-renal clearances of iothalamate. Prueksaritanont T, et al. **Biopharm Drug Dispos** 1986 Jul-Aug;7(4):347–55

Physiologic regulation and tissue localization of renal erythropoietin messenger RNA. Schuster SJ, et al. **Blood** 1987 Jul;70(1):316–8

Study of the interactions between sulfamethizole and alclofenac, diclofenac or tiaprofenic aid in rats. Chiba K, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):882–6

Leukocyte effects on the vascular resistance and glomerular filtration of the isolated rat kidney at normal and low flow states. Braide M, et al. **Circ Shock** 1986;20(1):71–80

The renal, forearm, and hormonal responses to standing in the presence and absence of propranolol. Bakris GL, et al. **Circulation** 1986 Nov;74(5):1061–5

Endogenous renal dopamine and control of blood pressure. Bell C. **Clin Exp Hypertens [A]** 1987;9(5–6):955–75 (104 ref.)

Interaction between renal prostaglandins and angiotensin II in controlling glomerular filtration in the dog. Olsen ME, et al. **Clin Sci** 1987 Apr;72(4):429–36

Renal response to atrial natriuretic factor in rats without intact papillae. Torikai S. **Clin Sci** 1986 Sep;71(3):277–82

Stimulation of renal phosphate secretion in the stenohaline freshwater teleost: Carassius auratus gibelio Bloch. Kaune R, et al. **Comp Biochem Physiol [A]** 1987;87(2):359–62

Kidney clearance of D- and L-tryptophan by rats. Wang SY, et al. **Comp Biochem Physiol [A]** 1986;85(3):451–3

The importance of the renal interstitium for kidney function. Tatsch K, et al. **Contrib Nephrol** 1987;56:53–9

Variation of cooling rate and concentration of dimethyl sulfoxide on rabbit kidney function. Guttman FM, et al. **Cryobiology** 1986 Dec;23(6):495–9

The renal subcapsular site offers better growth conditions for transplanted mouse pancreatic islet cells than the liver or spleen. Mellgren A, et al. **Diabetologia** 1986 Sep; 29(9):670–2

Renal sensitivity to angiotensin II in the conscious dog. Siragy HM, et al. **Endocrinology** 1987 Apr;120(4):1272–8

Anatomic and physiologic age changes in the kidney. Lindeman RD, et al. **Exp Gerontol** 1986;21(4–5):379–406 (179 ref.)

Potentiating effect of aldosterone on the diuretic action of atrial extract. Croxatto HR, et al. **Experientia** 1987 Jun 15;43(6):604–6

Regulation of sodium excretion by renal interstitial hydrostatic pressure. Granger JP. **Fed Proc** 1986 Dec; 45(13):2892–6 (28 ref.)

Regulation of single sodium channels in renal tissue: a role in sodium homeostasis. Hamilton KL, et al. **Fed Proc** 1986 Nov;45(12):2713–7

Intrarenal mechanisms mediating pressure natriuresis: role of angiotensin and prostaglandins. Navar LG, et al. **Fed Proc** 1986 Dec;45(13):2885–91 (35 ref.)

Pressure diuresis mechanism in the control of renal function and arterial pressure. Roman RJ. **Fed Proc** 1986 Dec; 45(13):2878–84 (47 ref.)

Interrenal function in larval Ambystoma tigrinum. II. Control of aldosterone secretion and electrolyte balance by ACTH. De Ruyter ML, et al. **Gen Comp Endocrinol** 1986 May; 62(2):298–305

Changes in renal function of the chicken associated with calcitonin and parathyroid hormone. Sommerville BA, et al. **Gen Comp Endocrinol** 1987 Jun;66(3):381–6

Interrenal function in larval Ambystoma tigrinum. I. Responses to alterations in external electrolyte concentrations. Stiffler DF, et al. **Gen Comp Endocrinol** 1986 May;62(2):290–7

Hyponatremia: pathogenesis and management. Buckalew VM Jr. **Hosp Pract [Off]** 1986 Nov 30;21(11A):49–58

Differences in pattern of plasma angiotensinogen in native and nephrectomized rats. Hilgenfeldt U, et al. **Hypertension** 1987 Apr;9(4):339–44

Study of neonatal kidney functions in preterm and term babies. Nair PA, et al. **Indian J Pediatr** 1987 Jan-Feb; 54(1):59–63

A comparison of clearance and arteriovenous extraction techniques for measurements of renal hemodynamic functions. Katzberg RW, et al. **Invest Radiol** 1986 Dec; 21(12):910–6

The aging kidney: structure, function, mechanisms, and therapeutic implications. Anderson S, et al. **J Am Geriatr Soc** 1987 Jun;35(6):590–3 (27 ref.)

Renal function in the geriatric age group. Sarkar S, et al. **J Assoc Physicians India** 1986 May;34(5):345–7

Angiotensin converting enzyme (ACE) in the kidney: contribution to blood pressure regulation and possible role of brush-border ACE. Ikemoto F, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S69–74

Effect of angiotensin converting enzyme inhibitors on the vasoconstrictor action of angiotensin I on isolated rat kidney. Schmidt M, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S100–5

Isolation of glycine betaine and proline betaine from human urine. Assessment of their role as osmoprotective agents for bacteria and the kidney. Chambers ST, et al.

J Clin Invest 1987 Mar;79(3):731-7

Renal excretion capacity in hydrated desert rodents (Jaculus orientalis and Jaculus deserti). Baddouri K, et al. J Comp Physiol [B] 1987;157(2):237-40

Adaptation of renal function to hypotonic medium in the winter flounder (Pseudopleuronectes americanus). Elger E, et al. J Comp Physiol [B] 1987;157(1):21-30

Lack of anion effect on volume expansion natriuresis in the developing canine kidney. Lorenz JM, et al. J Dev Physiol 1986 Oct;8(5):395-410

Effect on maternal and fetal renal function and plasma renin activity of a high salt intake by the ewe. Stevens AD, et al. J Dev Physiol 1986 Aug;8(4):267-75

The effects of prolonged epinephrine infusion on the physiology of the rainbow trout, Salmo gairdneri. III. Renal ionic fluxes. Vermette MG, et al. J Exp Biol 1987 Mar;128:269-85

Volhard lecture: sympatho-renal interactions and blood pressure control. Zanchetti A. J Hypertens [Suppl] 1986 Dec;4(6):S4-13

Renal handling of technetium-99m DMSA: further evidence for glomerular filtration and proximal tubular reabsorption [letter] van Luijk WH, et al. J Nucl Med 1986 Dec; 27(12):1943

Studies on renal adaptation to altered dietary amino acid intake: tissue taurine responses in nursing and adult rats. Chesney RW, et al. J Nutr 1986 Oct;116(10):1965-76

Renal autoregulation and prostaglandin E2 release. Hemodynamic conditions for PGE2 and renin release. Vikse A. J Oslo City Hosp 1986 Apr;36(4):33-46 (67 ref.)

Renal effects of selective alpha-1 and alpha-2 adrenoceptor agonists in conscious, normotensive rats. Gellai M, et al. J Pharmacol Exp Ther 1987 Mar;240(3):723-8

The influence of neurohypophysial hormones on renal function in the acutely hypophysectomized rat. Balment RJ, et al. J Physiol (Lond) 1986 Dec;381:439-52

Forskolin and calcium: interactions in the control of renin secretion and perfusate flow in the isolated rat kidney. Fray JC, et al. J Physiol (Lond) 1986 Jun;375:361-75

The immediate and delayed effects of marathon running on renal function. Irving RA, et al. J Urol 1986 Dec; 136(6):1176-80

Angiotensin II-induced drinking in water-deprived and nephrectomized dogs. Suzuki H, et al. Jpn Heart J 1987 Mar;28(2):211-9

Symposium on methods in renal research. Kidney Int 1986 Aug;30(2):141-279

Abstracts. Swiss Society of Nephrology. Lucerne, Switzerland, December 6, 1985. Kidney Int 1986 Sep; 30(3):453-9

Abstracts. The Australasian Society of Nephrology. 22nd annual scientific meeting. Perth, Australia, February 12-14, 1986. Kidney Int 1986 Oct;30(4):613-30

Abstracts. Dutch Society of Nephrology. 29th scientific meeting. Leuven, Belgium, April 12, 1986. Kidney Int 1986 Oct;30(4):631-7

Symposium on compensatory renal growth. Kidney Int 1983 Apr;23(4):569-646

Plasma and urinary catecholamines as related to renal function in man. Laederach K, et al. Kidney Int 1987 Jan; 31(1):107-11

Renal clearance and isolated kidney perfusion techniques. Maack T. Kidney Int 1986 Aug;30(2):142-51 (50 ref.)

Functional transitions in the renal countercurrent system. Marsh DJ. Kidney Int 1987 Feb;31(2):668-72 (43 ref.)

Angiotensin, ACE inhibition and the kidney. Venice, Italy, September 1985. Proceedings. Kidney Int [Suppl] 1987 May; 20:S1-234

Angiotensin converting enzyme inhibition and the normal kidney. Brunner HR, et al. Kidney Int [Suppl] 1987 May; 20:S104-7 (45 ref.)

The renal concentrating mechanism. Jamison RJ. Kidney Int [Suppl] 1987 Aug;21:S43-50 (46 ref.)

18th Congress of the Society for Nephrology. Frankfurt am Main, 21-24 September 1986. Klin Wochenschr 1986 Sep 15;64(18):813-96 (Eng, Mul)

Effects of ubiquinones on spontaneous membrane hyperpolarizations in a cloned monkey kidney cell line. Yamashita N, et al. Life Sci 1987 Mar 23;40(12):1215-8

Unresolved questions of renal magnesium homeostasis. Beyenbach KW. Magnesium 1986;5(5-6):234-47 (48 ref.)

Renal handling of magnesium: drug and hormone interactions. Quamme GA. Magnesium 1986;5(5-6):248-72 (90 ref.)

TmMg and renal Mg threshold in normal man and in certain pathophysiologic conditions. Rude RK, et al. Magnesium 1986;5(5-6):273-81

Alpha 1-adrenergic receptor-linked guanine nucleotide-binding protein in muscle and kidney epithelial cells [published erratum appears in Mol Pharmacol 1987 May;31(5):567] Terman BI, et al. Mol Pharmacol 1987 Jan; 31(1):12-20

Experimental contributions to the regeneration of the renal capsule after decapsulation of the kidney (the so-called neocapsule). Galajda Z, et al. Morphol Embryol (Bucur) 1987 Jan-Mar;33(1):41-6

Atrial natriuretic peptide: how the heart rules the kidneys [news] Leckie B. Nature 1987 Apr 16-22;326(6114):644-5

Atrial natriuretic peptide causes pre-glomerular vasodilatation and post-glomerular vasoconstriction in rat kidney. Marin-Grez M, et al. Nature 1986 Dec 4-10; 324(6096):473-6

Microscopic polyarteritis: recovery of renal function after prolonged dialysis [letter] Leaker B, et al. Nephrol Dial Transplant 1987;2(2):125-6

Atrial natriuretic peptide and sodium intake: blunted effects in the normal sodium-retaining kidney. Gaillard CA, et al. Neth J Med 1987 Jan;30(1):10-6

Secretin receptors in the rat kidney: adenylate cyclase activation and renal effects. Charlton CG, et al. Peptides 1986 Sep-Oct;7(5):865-71

Renal hemodynamics and natriuresis during water immersion in normal humans. Coruzzi P, et al. Pflugers Arch 1986 Dec;407(6):638-42

Isolated perfused rat kidney and liver combined. A new experimental model. Daugaard H, et al. Pflugers Arch 1987 Jun;409(1-2):220-2

Renal sodium handling in intact and renal denervated dogs. Kaczmarczyk G, et al. Pflugers Arch 1986 Oct;407(4):382-7

Electrical properties of Madin-Darby-canine-kidney cells. Effects of extracellular sodium and calcium. Paulmichl M, et al. Pflugers Arch 1986 Sep;407(3):258-63

In vivo and in vitro dielectric properties of feline tissues at low radiofrequencies. Surowiec A, et al. Phys Med Biol 1986 Aug;31(8):901-9

Effect of saline adaptation and renal portal sodium infusion on glomerular size distributions and kidney function in domestic fowl. Wideman RF Jr, et al. Poult Sci 1987 Feb; 66(2):348-56

Role of intracellular calcium in renal nerve-mediated renin release. Cadnapaphornchai P, et al. Proc Soc Exp Biol Med 1987 May;185(1):24-30

The effects of atrial natriuretic peptide on whole-kidney and proximal straight tubular function in the rabbit. McGowan JA, et al. Proc Soc Exp Biol Med 1987 May;185(1):62-8

Renal function during bovine neurotensin infusion in man. Unwin RJ, et al. Regul Pept 1987 Jul;18(1):29-35

Whole kidney response to reduced arterial pressure during converting enzyme inhibition in the rat. Göransson A, et al. Renal Physiol 1986;9(5):287-301

The physiology of renal magnesium handling. Quamme GA, et al. Renal Physiol 1986;9(5):257-69 (45 ref.)

Comparison between the renal clearance of endogenous creatinine and inulin in the sheep. Farningham DA. Res Vet Sci 1986 Nov;41(3):410-1

Renal prostaglandins and leukotrienes. Walker LA, et al. Rev Physiol Biochem Pharmacol 1987;107:1-72 (481 ref.)

Renal function in an elderly population. A study of S-creatinine, 51Cr-EDTA clearance, endogenous creatinine clearance and maximal tubular water reabsorption. Larsson M, et al. Scand J Clin Lab Invest 1986 Oct;46(6):593-8

Measurements of renal function in conscious rats. Chen CF. Taiwan I Hsueh Hui Tsa Chih 1986 Dec;85(12):1103-9

Renal sites of action for atrial natriuretic factor. Appel RG, et al. Trans Assoc Am Physicians 1985;98:85-91

Long-term effects of cyclosporine on renal function in liver transplant recipients. Wheatley HC, et al. Transplantation 1987 May;43(5):641-7

[Prostaglandins--regulators of kidney function] Avramova T. Eksp Med Morfol 1987;26(2):42-8 (21 ref.) (Eng. Abstr.) (Bul)

[Changes in renal volume and function in the aged] Liu YC. Chung Hua I Hsueh Tsa Chih 1986 Oct;66(10):611-3 (Chi)

[Effect of electroacupuncture on the urine flow, sodium excretion and osmolar clearance in the rabbit] Lin MZ, et al. Sheng Li Hsueh Pao 1986 Jun;38(3):332-8 (Eng. Abstr.) (Chi)

[Renal excretion of amino acids during submaximal exertion] Vlček J, et al. Cas Lek Cesk 1987 Jan 30;126(5):147-9 (Eng. Abstr.) (Cze)

[Secretion of antidiuretic hormone and renal function during the awakening of Jaculus orientalis from hibernation] Baddouri K, et al. J Physiol (Paris) 1986;81(3):202-8 (Eng. Abstr.) (Fre)

[The major physiologic stages of advancing age] Ferry M. Phlebologie 1986 Oct-Dec;39(4):775-82 (Eng. Abstr.) (Fre)

[Congenital sub-pelvic stenosis--kidney function in relation to time of surgery] Thon W, et al. Helv Chir Acta 1986 Oct;53(3):241-4 (Eng. Abstr.) (Ger)

[Prostaglandins and the kidney] Davidai G, et al. Harefuah 1986 Sep;111(5-6):130-6 (74 ref.) (Heb)

[Ibopamine, adrenolytic drugs and renal function] Agnoli GC, et al. Minerva Cardioangiol 1987 May;35(5):241-50 (Eng. Abstr.) (Ita)

[The effect of induced hyperthermia on kidney function in dogs] Oda S, et al. Masui 1986 Sep;35(9):1374-9 (Eng. Abstr.) (Jpn)

[Effect of the oral dopamine prodrug (TA-8704) on renal function in surgical patients] Okutani R, et al. Masui 1986 Dec;35(12):1824-9 (Eng. Abstr.) (Jpn)

[Interrelation of administered fluid, hemodynamics and renal function during induced hypotensive anesthesia] Shibutani K. Masui 1986 Nov;35(11):1606-11 (Jpn)

[An experimental study of the operated kidney by resin injection casting in rabbits. Part 2. Post-operative renal function observing from venous cast] Oki M. Nippon Hinyokika Gakkai Zasshi 1986 Nov;77(11):1754-66 (Eng. Abstr.) (Jpn)

[28th annual meeting of the Japanese Society of Nephrology. Abstracts] Nippon Jinzo Gakkai Shi 1986 May; 28(5):491-697 (Jpn)

[Calcium regulating hormones and kidney] Kurokawa K. Nippon Jinzo Gakkai Shi 1986 Jul;28(7):856-60 (Jpn)

[Effects of alpha-human atrial natriuretic peptide on plasma steroids and renal function in the human] Watanabe M, et al. Nippon Jinzo Gakkai Shi 1987 Feb;29(2):221-8 (Eng. Abstr.) (Jpn)

[A study on the renal action of beta 1- and beta 2-adrenoceptors in rats] Yamazaki N, et al. Nippon Yakurigaku Zasshi 1986 Oct;88(4):271-7 (Eng. Abstr.) (Jpn)

[Characteristics of the osmoregulatory function of the kidneys during physiological pregnancy] Gozhenko AI, et al. Fiziol Cheloveka 1986 Nov-Dec;12(6):1011-5 (Rus)

[Various indicators of human adaptation to the extreme conditions of the Arctic] Lebedev MD, et al. Gig Sanit 1987 Feb;(2):18-21 (Eng. Abstr.) (Rus)

[Chronobiological research in urology and nephrology (a review of the literature)] Krimkevich EI, et al. Vrach Delo 1987 Mar;(3):80-4 (Rus)

[The effect of water depletion on renal excretion of urea and electrolytes in sheep] Leng L, et al. Vet Med (Praha) 1987 Jun;32(6):371-8 (Eng. Abstr.) (Slo)

[Renal function in uninephrectomized patients] Wainer E, et al. Medicina (B Aires) 1985;45(6):637-42 (Eng. Abstr.) (Spa)

[Development of renal function in newborn infants. Practical implications] Norero C. Rev Chil Pediatr 1986 Mar-Apr; 57(2):194-201 (Eng. Abstr.) (Spa)

[Urinary excretion of kallikrein in newborn infants] Olavarría F, et al. Rev Chil Pediatr 1986 Jul-Aug;57(4):330-4 (Eng. Abstr.) (Spa)

[Renal function in at term and preterm newborn infants during the 2d day of life] Olavarría F, et al. Rev Chil Pediatr 1986 Jan-Feb;57(1):39-45 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Effects of three different kininase II inhibitors on blood pressure and renal vasoactive substances in essential hypertensives. Abe K, et al. Adv Exp Med Biol 1986;198 Pt B:269-77

Experimental renal anaphylaxis: release of histamine and study of its effect on renal perfusion. Assem ES, et al. Agents Actions 1987 Apr;20(3-4):295-8

Renal effects of angiotensin-converting enzyme inhibition in cardiac failure. Dzau VJ. Am J Kidney Dis 1987 Jul; 10(1 Suppl 1):74-80

Renal abnormalities in nonmodulating essential hypertension. Williams GH, et al. Am J Kidney Dis 1987 Jul;10(1 Suppl 1):39-44

Hepatorenal syndrome. Studies of the effect of vascular volume and intraperitoneal pressure on renal and hepatic function. Cade R, et al. Am J Med 1987 Mar;82(3):427-38

Strategies in antihypertensive therapy: implications of the kidney. Hollenberg NK. Am J Med 1986 Dec 15; 81(6A):15-9

Unpredictability of clinical evaluation of renal function in cirrhosis. Prospective study. Papadakis MA, et al. Am J Med 1987 May;82(5):945-52

An evaluation of gentamicin dosing according to renal function in neonates with suspected sepsis. Reimche LD, et al. Am J Perinatol 1987 Jul;4(3):262-5

Acute effect of calcium and insulin on hyperfiltration of early diabetes. Bank N, et al. Am J Physiol 1987 Jan;252(1 Pt 1):E13-20

Analysis of renal function in the two-kidney Goldblatt model. Gabbai FB, et al. Am J Physiol 1987 Jan;252(1 Pt 2):F131-7

Renal failure in dogs with experimental acute pancreatitis: role of hypovolemia. Levy M, et al. Am J Physiol 1986 Dec;251(6 Pt 2):F969-77

Mechanism of potassium depletion during chronic metabolic acidosis in the rat. Scandling JD, et al. Am J Physiol 1987 Jan;252(1 Pt 2):F122-30

Na+-H+ exchange and Na+-dependent transport systems in streptozotocin diabetic rat kidneys. el-Seifi S, et al. Am J Physiol 1987 Jan;252(1 Pt 2):R40-7

Ionic compensation with no renal response to chronic hypercapnia in chrysemys picta bellii. Silver RB, et al. Am J Physiol 1986 Dec;251(6 Pt 2):R1228-34

Control of renal hemodynamics in hyperglycemia: possible role of tubuloglomerular feedback. Woods LL, et al. Am J Physiol 1987 Jan;252(1 Pt 2):F65-73

Alterations in renal perfusion and renal energy charge in murine peritonitis. Haybron DM, et al. Arch Surg 1987 Mar;122(3):328-31

Occupational exposure to cadmium: effect on metallothionein and other biological indices of exposure and renal function. Shaikh ZA, et al. Arch Toxicol 1987 Feb;59(5):360-4

Changes in cell surface charge and transmembrane potential accompanying neoplastic transformation of rat kidney cells. Price JA, et al. Biochim Biophys Acta 1987 Apr 9; 898(2):129-36

Obstructive nephropathy: comparison between parenchymal transit time index and frusemide diuresis. Britton KE, et al. Br J Urol 1987 Feb;59(2):127-32

Modified method of diuresis renography for the assessment of equivocal pelviureteric junction obstruction. English PJ, et al. Br J Urol 1987 Jan;59(1):10-4

Beneficial effects of angiotensin converting enzyme inhibition on renal function in patients with diabetic nephropathy

[letter] Ahmad S. **Br Med J [Clin Res]** 1986 Oct 18; 293(6553):1028

Resuscitation in haemorrhagic shock--pulmonary and renal effects: an adverse effect of stabilised plasma protein solution on renal function? Ramsay G, et al. **Circ Shock** 1987;22(3):261-8

Pathophysiology of acute renal failure following living Escherichia coli injection in rats: high-energy metabolism and renal functions. Shimahara Y, et al. **Circ Shock** 1987; 21(3):197-205

Long-term effects of converting enzyme inhibitors on split renal function in renovascular hypertension. Miyamori I, et al. **Clin Exp Hypertens [A]** 1987;9(2-3):629-32

Prediction of the progression of renal failure in adult and in pediatric patients with malignant focal glomerulosclerosis. Claris-Appiani A, et al. **Clin Nephrol** 1986 Aug;26(2):87-90

Incidentally evaluating the status of renal function in technetium-99m DISIDA hepatobiliary imaging. Shih WJ, et al. **Clin Nucl Med** 1986 Dec;11(12):860-4

Renal function in full-term newborns following neonatal asphyxia. A prospective study. Olavarria F, et al. **Clin Pediatr (Phila)** 1987 Jul;26(7):334-8

Interference of digoxin-like immunoreactive substances with three digoxin immunoassays in patients with various degrees of renal function. Pleasants RA, et al. **Clin Pharm** 1986 Oct;5(10):810-6

Effect of high-dose etodolac on renal function. Brater DC, et al. **Clin Pharmacol Ther** 1987 Sep;42(3):283-9

Effect of chemical sympathectomy on renal hydroelectrolytic handling in dogs with chronic caval constriction. Fajardo J, et al. **Clin Physiol Biochem** 1986;4(4):252-6

Exercise-induced changes in renal function and their relation to plasma noradrenaline in insulin-dependent diabetic children and adolescents. Johansson BL, et al. **Clin Sci** 1987 May;72(5):611-20

Influence of age on deterioration of the remnant kidney in uninephrectomized rats. Okuda S, et al. **Clin Sci** 1987 May; 72(5):571-6

Haemodynamic consequences of experimental papillary necrosis in the rat. Russell GI, et al. **Clin Sci** 1987 May; 72(5):599-604

Effect of diabetes on natriuresis in the presence of ouabain and ethacrynic acid in perfused rat kidney. Bikhazi AB, et al. **Comp Biochem Physiol [A]** 1987;87(4):1063-6

Role of hypertension in the evolution of renal diseases. Baldwin DS, et al. **Contrib Nephrol** 1987;54:63-76 (36 ref.)

Protection of renal function in subtotally nephrectomized rats by dietary therapy. Barsotti G, et al. **Contrib Nephrol** 1986; 53:21-30

Radionuclide evaluation pre- and post-extracorporeal shock wave lithotripsy for renal calculi. Bomanji J, et al. **Contrib Nephrol** 1987;56:256-60

Hypertension in glomerulonephritis. Cameron JS. **Contrib Nephrol** 1987;54:103-12 (29 ref.)

Hypertension in IgA nephropathy. D'Amico G, et al. **Contrib Nephrol** 1987;54:113-8

Conflicting results between glomerular filtration rate and serum creatinine measurements in chronic renal failure. Mathillas O, et al. **Contrib Nephrol** 1986;53:71-3

Pathophysiology and management of hypertension in continuous ambulatory peritoneal dialysis patients. Mion C, et al. **Contrib Nephrol** 1987;54:202-8 (31 ref.)

Hypertension and progression of renal failure in patients on protein-restricted diet. Oldrizzi L, et al. **Contrib Nephrol** 1987;54:134-43

Evaluation of separate renal function with 123I-hippuran in children with reflux uropathy before and after surgery. Produit S, et al. **Contrib Nephrol** 1987;56:243-9

Hypertension in polycystic kidney disease. Valvo E, et al. **Contrib Nephrol** 1987;54:95-102

Catecholamines and their possible role in hypertension associated with impaired renal function. Weidmann P, et al. **Contrib Nephrol** 1987;54:159-76 (61 ref.)

Pathophysiology and management of hypertension in hemodialysis patients. Zucchelli P, et al. **Contrib Nephrol** 1987;54:209-17 (25 ref.)

Relationship between renal function and metabolic alterations in early streptozocin-induced diabetes in rats. Cortes P, et al. **Diabetes** 1987 Jan;36(1):80-7

Changes in blood pressure and renal function in patients with type I (insulin-dependent) diabetes mellitus prior to clinical diabetic nephropathy. Jensen T, et al. **Diabetes Res** 1987 Apr;4(4):159-62

Short-term inhibition of prostaglandin synthesis has no effect on the elevated glomerular filtration rate of early insulin-dependent diabetes. Christiansen JS, et al. **Diabetic Med** 1985 Jan;2(1):17-20

Evidence of changes in renal charge selectivity in patients with type 1 (insulin-dependent) diabetes mellitus. Kverneland A, et al. **Diabetologia** 1986 Sep;29(9):634-9

Changes in renal function in response to protein restricted diet in type 1 (insulin-dependent) diabetic patients. Wiseman MJ, et al. **Diabetologia** 1987 Mar;30(3):154-9

The renal functions following a severe hypoxia in conscious rats. Chen CF, et al. **Environ Res** 1987 Aug;43(2):390-4

Metabolic consequences of differing protein diets in experimental renal disease. Williams AJ, et al. **Eur J Clin Invest** 1987 Apr;17(2):117-22

Renal function in cystic fibrosis: proteinuria and enzymuria before and after tobramycin therapy. Steinkamp G, et al. **Eur J Pediatr** 1986 Dec;145(6):526-31

Renal functional derangements in hypertension. Zimmerman BG, et al. **Fed Proc** 1986 Nov;45(12):2661-4

Effects of therapeutic paracentesis on systemic and hepatic hemodynamics and on renal and hormonal function. Simon DM, et al. **Hepatology** 1987 May-Jun;7(3):423-9

Bone fracture in elderly female with primary hyperparathyroidism: relationship among renal function, vitamin D status and fracture risk. Mori S, et al. **Horm Metab Res** 1987 Apr;19(4):183-5

Decreased intraocular pressure in dogs with one-kidney, one wrapped hypertension. Bell DR, et al. **Hypertension** 1987 Aug;10(2):152-6

Role of alpha 1- and alpha 2-adrenergic receptors in the human hypertensive kidney. de Leeuw PW, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III210-2

Cardiovascular and renal profile of acute peripheral dopamine1-receptor agonism with fenoldopam. Glück Z, et al. **Hypertension** 1987 Jul;10(1):43-54

Renal function curve--a key to understanding the pathogenesis of hypertension. Guyton AC. **Hypertension** 1987 Jul;10(1):1-6

Renal function curve in patients with secondary forms of hypertension. Kimura G, et al. **Hypertension** 1987 Jul; 10(1):11-5

Multiple effects of calcium entry blockers on renal function in hypertension. Romero JC, et al. **Hypertension** 1987 Aug; 10(2):140-51 (115 ref.)

Histo-functional status of kidney in leprosy. Nigam P, et al. **Indian J Lepr** 1986 Oct-Dec;58(4):567-75

Renal function in relation to metabolic control in juvenile onset diabetes of different duration. Khandpur SC, et al. **Indian Pediatr** 1986 Aug;23(8):599-604

Altered renin and aldosterone excretion in patients treated for metastatic germ cell tumours. Bosl GJ, et al. **Int J Androl** 1987 Feb;10(1):353-7

Renal function in the obese Zucker rat. Fiske WD 3d, et al. **Int J Obes** 1986;10(3):175-83

Renal function in cystic fibrosis. Assael BM, et al. **Int J Pediatr Nephrol** 1986 Oct-Dec;7(4):213-6

The kidney in heart disease. Barakat AY, et al. **Int J Pediatr Nephrol** 1986 Jul-Sep;7(3):153-60 (113 ref.)

The kidney in hematologic disease. A review. Barakat AY, et al. **Int J Pediatr Nephrol** 1986 Oct-Dec;7(4):207-12 (81 ref.)

Hypertension and renal insufficiency in children with chronic glomerulonephritis. Ito Y, et al. **Int J Pediatr Nephrol** 1986 Oct-Dec;7(4):187-90

Natriuretic response to i.v. saline loading after acute poststreptococcal glomerulonephritis. Drukker A, et al. **Isr J Med Sci** 1986 Nov;22(11):779-82

Renal mechanisms and calcium in the pathogenesis of a type of genetic hypertension. Bianchi G, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 8:S124-9 (21 ref.)

Renal clearance and micropuncture studies of nisoldipine effects in spontaneously hypertensive rats. Giebisch G, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 1:S24-31

Renal function following aneurysmectomy of the abdominal aorta. Ostri P, et al. **J Cardiovasc Surg (Torino)** 1986 Nov-Dec;27(6):714-8

Renal response to intravenous somatostatin in insulin-dependent diabetic patients and normal subjects. Vora J, et al. **J Clin Endocrinol Metab** 1987 May; 64(5):975-9

The effects of verapamil on renal blood flow, renal function, and neurohormonal profiles in patients with moderate to severe hypertension. Kubo SH, et al. **J Clin Hypertens** 1986 Sep;2(3 Suppl):38S-46S

Total and split renal function in patients with renovascular hypertension: effects of angiotensin-converting enzyme inhibition. Reams GP, et al. **J Clin Hypertens** 1987 Jun; 3(2):153-63

Acute tubular necrosis: use of gadolinium-DTPA and fast MR imaging to evaluate renal function in the rabbit. Carvlin MJ, et al. **J Comput Assist Tomogr** 1987 May-Jun; 11(3):488-95

Renal function of isolated perfused kidneys from hypertensive (MHS) and normotensive (MNS) rats of the Milan strain: role of calcium. Salvati P, et al. **J Hypertens** 1987 Feb;5(1):31-8

A renal abnormality in the Milan hypertensive strain of rats and in humans predisposed to essential hypertension. Bianchi G, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S33-6

Current concepts and perspectives of renal volume regulation in relationship to hypertension. Guyton AC, et al. **J Hypertens [Suppl]** 1986 Oct;4(4):S49-56 (48 ref.)

Effect of chronic and progressive hepatic outflow blockade on renal function in rats. Blanchart A, et al. **J Lab Clin Med** 1987 Jun;109(6):718-23

Beneficial effect of moderate protein restriction on growth, renal function and survival in young rats with chronic renal failure. Friedman AL, et al. **J Nutr** 1986 Dec; 116(12):2466-77

Somatostatin limits rise in glomerular filtration rate after a protein meal. Brouhard BH, et al. **J Pediatr** 1987 May; 110(5):729-34

Pharmacologic probing of mercuric chloride-induced renal dysfunction in the neonatal rat. Gray JA, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):212-6

Kidney function in rats with corticomedullary nephrocalcinosis: effects of alterations in dietary calcium and magnesium. Al-Modhefer AK, et al. **J Physiol (Lond)** 1986 Nov;380:405-14

Compliance studies, pressure flow measurements and renal function assessment in patients with upper urinary tract dilatation. Jones DA, et al. **J Urol** 1987 Sep;138(3):571-3

Partial ureteric obstruction in the pubescent rat. I. Long-term effects on renal function. Josephson S, et al. **J Urol** 1987 Aug;138(2):414-8

Cephalad renal movement during percutaneous nephrostolithotomy. Preminger GM, et al. **J Urol** 1987 Apr; 137(4):623-5

The effect of vitamin B6 deficiency on food intake, growth, and renal function in chronically azotemic rats. Wolfson M, et al. **JPEN J Parenter Enteral Nutr** 1987 Jul-Aug; 11(4):398-402

The existence of a protracted course in crescentic glomerulonephritis. Baldwin DS, et al. **Kidney Int** 1987 Mar;31(3):790-4

Renal and circulatory mechanisms in congestive heart failure [clinical conference] Dzau VJ. **Kidney Int** 1987 Jun; 31(6):1402-15 (107 ref.)

Strict metabolic control and renal function in the streptozotocin diabetic rat. Jensen PK, et al. **Kidney Int** 1987 Jan;31(1):47-51

Factors determining renal response to water immersion in non-excretor cirrhotic patients. Nicholls KM, et al. **Kidney Int** 1986 Sep;30(3):417-21

Acute renal failure in hemorrhagic hypotension: cellular energetics and renal function. Ratcliffe PJ, et al. **Kidney Int** 1986 Sep;30(3):355-60

Heart failure, renal function, and angiotensin converting enzyme inhibitors. Cleland JG, et al. **Kidney Int [Suppl]** 1987 May;20:S220-8 (97 ref.)

Role of angiotensin II in the altered renal function of heart failure. Ichikawa I, et al. **Kidney Int [Suppl]** 1987 May; 20:S213-5

Experimental models of heart failure: implications for renin and the kidney. Riegger GA. **Kidney Int [Suppl]** 1987 May; 20:S210-2 (30 ref.)

Converting enzyme inhibitors and renal function in cardiac failure. Robertson JI, et al. **Kidney Int [Suppl]** 1987 May; 20:S216-9 (39 ref.)

Relationship of plasma concentrations of human atrial natriuretic peptide to renal function and blood pressure in patients with progressive chronic renal failure. Predel HG, et al. **Klin Wochenschr** 1987;65 Suppl 8:127-32

Transient impairment of renal function after generalised seizures [letter] Fraser WD, et al. **Lancet** 1987 Jun 20; 1(8547):1428

Preservation of kidney function by use of converting-enzyme inhibitors for control of hypertension [letter] Mann J, et al. **Lancet** 1987 Sep 12;2(8559):622

Impairment of renal function after generalised seizures [letter] Nielsen HV, et al. **Lancet** 1987 May 2;1(8540):1043

Transient impairment of renal function and myoglobin turnover after generalised seizures [letter] Nielsen HV, et al. **Lancet** 1987 Jul 11;2(8550):104-5

Transient impairment of renal function and myoglobin turnover after generalised seizures [letter] Nielsen HV, et al. **Lancet** 1987 Jul 25;2(8552):224-5

Survival and renal function in untreated hypercalcaemia. Population-based cohort study with 14 years of follow-up. Palmer M, et al. **Lancet** 1987 Jan 10;1(8524):59-62

Does lead exposure contribute to deterioration of renal function in patients with renal disease? [letter] Ritz E, et al. **Nephrol Dial Transplant** 1986;1(3):206-7

Effects of acute reduction in blood pressure on the renal function of rats with diseased kidneys. Okuda S, et al. **Nephron** 1987;45(4):311-5

Improvement of renal function in AA type amyloidosis by prolonged treatment with dimethylsulfoxide (DMSO). Kobayashi M, et al. **Nippon Jinzo Gakkai Shi** 1987 Mar; 29(3):357-61

Renal compensation of hypercapnia in prolonged hypoxia. Widener G, et al. **Respir Physiol** 1986 Sep;65(3):341-50

Effects of chronic hypoxia on kidney function. Martínez-Ballarín E, et al. **Rev Esp Fisiol** 1986 Sep; 42(3):319-22

Drainage of the upper urinary tract as recorded with renography in patients with a continent urostomy (Kock pouch). An experimental study with various degrees of reservoir filling. Akerlund S, et al. **Scand J Urol Nephrol** 1987;21(2):109-14

Portal hypertension: circulatory and renal abnormalities. **Semin Liver Dis** 1986 Nov;6(4):275-369

The pathophysiology of cirrhotic edema: a reexamination of the "underfilling" and "overflow" hypotheses. Norris SH, et al. **Semin Nephrol** 1987 Jun;7(2):99-105

Urinary beta-thromboglobulin correlates with impairment of renal function in patients with diabetic nephropathy. Hopper AH, et al. **Thromb Haemost** 1986 Oct 21; 56(2):229-31

The pathophysiology of the no-reflow phenomenon in cold-stored kidneys. Anaise D, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1348-52

Blood transfusion requirements and renal function in patients undergoing liver transplantation without venous bypass. Wall WJ, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):17-20

Glomerular filtration rate variations in patients with solitary kidneys after a protein load. Rugiu C, et al. **Uremia Invest** 1985-86;9(2):159-63

Chronic incomplete obstruction of the ureter: a new experimental model. Masui S, et al. **Urol Int** 1986;

41(6):426–9
[Kidney function in EPH gestosis] Dastych M, et al. **Cesk Gynekol** 1987 Apr;52(3):183–6 (Eng. Abstr.) **(Cze)**
[Course of renal function in malignant hypertension. Effect of treatment. Study of 30 cases followed for 5 to 18 years] Laville M, et al. **Arch Mal Coeur** 1986 Jun;79(6):767–72 (Eng. Abstr.) **(Fre)**
[Insufficient consumption of water: effect on renal function] Didelot F, et al. **Bibl Nutr Dieta** 1987;(40):130–6 (20 ref.) **(Fre)**
[Current diagnostic technics in the prediction of the functional recovery of a urographically silent kidney] Lotti T, et al. **J Urol (Paris)** 1986;92(2):91–5 (Eng. Abstr.) **(Fre)**
[Chronobiology and renal physiopathology] Cambar J, et al. **Pathol Biol (Paris)** 1987 Jun;35(6):977–84 (Eng. Abstr.) **(Fre)**
[Relation between diarrhea and kidney function in the calf] Hartmann H, et al. **Arch Exp Veterinarmed** 1987 Mar; 41(2):129–39 (Eng. Abstr.) **(Ger)**
[Hypoxia, acidosis and nephrology] Wüstenberg PW, et al. **Z Gesamte Inn Med** 1987 Mar 15;42(6):145–50 (Eng. Abstr.) **(Ger)**
[Oxidative and respiratory properties of isolated human kidney mitochondria] Jung K, et al. **Z Urol Nephrol** 1987 Jun;80(6):349–51 (Eng. Abstr.) **(Ger)**
[Correlation of acute potassium depletion, prostanoids and renal function] Agnoli GC, et al. **Boll Soc Ital Biol Sper** 1986 Sep 30;62(9):1135–41 (Eng. Abstr.) **(Ita)**
[Physiopathology of arterial hypertension] Balsano F. **Cardiologia** 1986 Oct;31(10):779–88 **(Ita)**
[Mechanisms of intrinsic renal risk in the elderly] Bonomini V, et al. **G Clin Med** 1986 Jun;67(3):133–6 **(Ita)**
[Role of the kidneys in the genesis of arterial hypertension caused by coarctations of the abdominal aorta. Experimental research] Del Gaudio A, et al. **Minerva Chir** 1986 Jul 31;41(13–14):1099–104 (Eng. Abstr.) **(Ita)**
[Renal function and water–electrolyte metabolism in elderly subjects] Valvo E, et al. **Minerva Urol Nefrol** 1986 Jul–Sep; 38(3):317–24 (Eng. Abstr.) **(Ita)**
[Evaluation of split renal function in experimentally induced urinary obstruction] Takayama T, et al. **Kaku Igaku** 1986 Nov;23(11):1533–40 (Eng. Abstr.) **(Jpn)**
[Studies on renal function following cardiac operations—with special reference to postoperative cardiac function] Kitagawa M. **Nippon Geka Gakkai Zasshi** 1987 Feb; 88(2):163–75 (Eng. Abstr.) **(Jpn)**
[Unilateral incomplete ureteral obstruction: renal function during obstruction and its reversibility after release in a new experimental model] Masui S. **Nippon Hinyokika Gakkai Zasshi** 1987 Jan;78(1):97–106 (Eng. Abstr.) **(Jpn)**
[Renal function studies using kidney perfusion in post-DOCA hypertensive rats and spontaneously hypertensive rats (SHR) with special reference to water and sodium excretion] Murayama T, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Feb;78(2):297–305 (Eng. Abstr.) **(Jpn)**
[Renal interstitial involvement in Sjögren's syndrome. The relationship between renal functions and renal interstitial lesions] Fujimoto T, et al. **Nippon Jinzo Gakkai Shi** 1986 Nov;28(11):1457–64 (Eng. Abstr.) **(Jpn)**
[The effect of swimming on renal function in children with renal disease] Nagasaka Y. **Nippon Jinzo Gakkai Shi** 1986 Nov;28(11):1465–70 (Eng. Abstr.) **(Jpn)**
[Kidney changes in viral hepatitis in the light of enzymatic analysis of the urine] Mossor K, et al. **Pol Tyg Lek** 1987 Feb 16;42(7):202–4 (32 ref.) **(Pol)**
[Renal changes in viral hepatitis evaluated on the bases of gamma-glutamyltransferase and alanyl aminopeptidase activities in the urine of patients] Mossor K, et al. **Pol Tyg Lek** 1987 May 4;42(18):544–8 (Eng. Abstr.) **(Pol)**
[Effect of treatment with pindolol on the renin–angiotensin–aldosterone system, kidney function and electrolyte balance in patients with primary arterial hypertension] Wyrzykowski B, et al. **Pol Tyg Lek** 1986 Dec 1;41(48):1516–20 (Eng. Abstr.) **(Pol)**
[Evaluation of the effect of long-term treatment with hydrochlorothiazide on the activity of the renin–angiotensin–aldosterone system, sodium metabolism and renal function in patients with primary arterial hypertension] Wyrzykowski B. **Wiad Lek** 1987 Mar 1; 40(5):299–304 (Eng. Abstr.) **(Pol)**
[Evaluation of renal function in the normotensive and hypertensive aged patient] Jacob Filho W, et al. **Arq Bras Cardiol** 1986 May;46(5):317–21 (Eng. Abstr.) **(Por)**
[Arterial hypertension caused by aortic coarctation in dogs. Renal hemodynamics and pressure natriuresis] Praxedes JN, et al. **Arq Bras Cardiol** 1986 May;46(5):301–6 (Eng. Abstr.) **(Por)**
[Fetal kidney function in a pregnancy complicated by diabetes mellitus] Badalian SS. **Akush Ginekol (Mosk)** 1986 Aug;(8):47–50 (Eng. Abstr.) **(Rus)**
[The renin–aldosterone system and kidney function in the puerperium in women suffering from glomerulo- and pyelonephritis] Filatov VI, et al. **Akush Ginekol (Mosk)** 1986 Aug;(8):39–42 **(Rus)**
[Current methods of urologic examination of patients with uterine myoma] Zurabiani ZR, et al. **Akush Ginekol (Mosk)** 1986 Sep;(9):8–11 (Eng. Abstr.) **(Rus)**
[Changes in renal function and its humoral regulation system in oncosurgical patients operated on under various methods of anesthesia] Ankulinova SA, et al. **Anesteziol Reanimatol** 1987 May–Jun;(3):22–6 (Eng. Abstr.) **(Rus)**
[Functional and morphological changes in the kidneys in acute embolegenic arterial occlusion of the extremities] Istomin NP, et al. **Biull Eksp Biol Med** 1987 Feb; 103(2):169–71 (Eng. Abstr.) **(Rus)**
[Magnetic resonance tomography in assessing the function of the kidneys, adrenals and major vessels in hypertension] Fedina ID, et al. **Biull Vsesoluznogo Kardiol Nauchn Tsentra AMN SSSR** 1986;9(2):108–10 **(Rus)**
[Changes in the microcirculation, morphologic structure and activity of redox enzymes of the kidney during constriction of the renal artery] Nikulina GG, et al. **Fiziol Zh** 1987 Jan–Feb;33(1):76–81 (Eng. Abstr.) **(Rus)**
[Radionuclide study of the function of the kidneys and their hormonal regulation in cancer of the uterus] Musina RKh, et al. **Med Radiol (Mosk)** 1987 Apr;32(4):62–5 (Eng. Abstr.) **(Rus)**
[Radionuclide research on liver and kidney function in thyroid cancer after radioiodine therapy] Vasil'ev LIa, et al. **Med Radiol (Mosk)** 1987 Mar;32(3):38–41 (Eng. Abstr.) **(Rus)**
[Osmoregulatory function of the kidneys in diabetes mellitus] Ermakova IP, et al. **Probl Endokrinol (Mosk)** 1987 Mar–Apr;33(2):25–9 (Eng. Abstr.) **(Rus)**
[Dynamics of the electrical activity of the organs of experimental animals in the late postmortem period] Nedel'ko NF, et al. **Sud Med Ekspert** 1987 Jan–Mar; 30(1):12–4 (Eng. Abstr.) **(Rus)**
[Kidney function of amyloidosis patients studied by radioisotope renography using 131I-hippuran] Mukharliamova LIu, et al. **Ter Arkh** 1986;58(8):55–7 (Eng. Abstr.) **(Rus)**
[Kidney function and the effectiveness of hypotensive therapy of patients with hypertension] Tikhonov VP, et al. **Ter Arkh** 1986;58(8):73–6 (Eng. Abstr.) **(Rus)**
[Effect of blood transfusion on the function of the solitary kidney after nephrectomy] Mamedov TF. **Urol Nefrol (Mosk)** 1987 May–Jun;(3):38–42 (Eng. Abstr.) **(Rus)**
[Radionuclide and roentgenologic diagnosis of compensatory-adaptive changes in the solitary healthy and hydronephrotic kidney] Khripta FP. **Vestn Rentgenol Radiol** 1986 Nov–Dec;(6):37–42 (Eng. Abstr.) **(Rus)**
[Kidney function in chronic bronchitis patients] Badrel'din AA, et al. **Vrach Delo** 1986 Nov;(11):27–9 (Eng. Abstr.) **(Rus)**
[Is there a relationship between orthostatic proteinuria and increased renal mobility?] Buchanec J, et al. **Cesk Pediatr** 1987 Feb;42(2):81–4 (Eng. Abstr.) **(Slo)**
[The effect of water immersion on renal function in children with nephrotic syndrome] Kovács L, et al. **Cesk Pediatr** 1987 Jan;42(1):26–9 (Eng. Abstr.) **(Slo)**
[Disorders of renal acidifying capacity in patients with interstitial nephritis] Fedelešová V, et al. **Vnitr Lek** 1987 May;33(5):436–42 (Eng. Abstr.) **(Slo)**
[Risk of losing a kidney] Matesanz R. **Actas Urol Esp** 1986 Sep–Oct;10(5):295–8 (Eng. Abstr.) **(Spa)**
[Long-term course of the renal lesion of the hemolytic-uremic syndrome (editorial)] Repetto HA. **Medicina (B Aires)** 1987;47(1):108 **(Spa)**

RADIATION EFFECTS

Tolerance of previously irradiated mouse kidneys to cis-diamminedichloroplatinum(II). Stewart FA, et al. **Cancer Res** 1987 Feb 15;47(4):1016–21
Standardization of procedures for ectopic marrow grafting. II. Influence on recipients of radiation dose and field size. Molineux G, et al. **Exp Hematol** 1987 Jul;15(6):676–8
Chronic effects of fractionated renal irradiation on the pharmacokinetics of intravenous methotrexate. Holcenberg JS, et al. **Int J Radiat Oncol Biol Phys** 1987 May; 13(5):759–64
Radiation nephropathy in young and adult rats. Jongejan HT, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb;13(2):225–32
Renal irradiation and the pharmacology and toxicity of methotrexate and cisplatinum. Moulder JE, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1415–8
Repair of sublethal radiation injury after multiple small doses in mouse kidney: an estimate of flexure dose. Stewart FA, et al. **Int J Radiat Oncol Biol Phys** 1987 May;13(5):765–72
Renal complications secondary to radiation treatment of upper abdominal malignancies. Willett CG, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep;12(9):1601–4
Regional release of cyclooxygenase products after radiation exposure of the rat. Schneidkraut MJ, et al. **J Appl Physiol** 1986 Oct;61(4):1264–9
Unilateral renal radiation blood pressure and PGE2-like renal substance. A one-kidney model. Juncos LI, et al. **Medicina (B Aires)** 1986;46(3):281–6
Blood pressure and renal prostaglandin E2-like content in unilateral kidney radiation. A two-kidney model. Juncos LI, et al. **Medicina (B Aires)** 1986;46(3):275–80
Renal damage in the mouse: the effect of d(4)-Be neutrons. Joiner MC, et al. **Radiat Res** 1987 Mar;109(3):456–68
Influence of protein nutrition on dose-survival relationship following rat kidney irradiation. Mahler PA, et al. **Radiat Res** 1987 Feb;109(2):238–44
Functional recovery in the irradiated kidney following removal of the contralateral unirradiated kidney. Robbins ME, et al. **Radiother Oncol** 1986 Aug;6(4):309–16
Increased metallothionein content in rat liver and kidney following X-irradiation. Shiraishi N, et al. **Toxicol Appl Pharmacol** 1986 Sep 15;85(2):128–34
Renal toxicity following total-body irradiation and syngeneic bone marrow transplantation. Moulder JE, et al. **Transplantation** 1987 Apr;43(4):589–92
[Kidney damage during radiotherapy of the para-aortic lymph nodes and spleen bed] Köst S, et al. **Radiobiol Radiother (Berl)** 1987;28(1):69–75 (Eng. Abstr.) **(Ger)**
[Long-term sequelae in the kidneys following abdominal irradiation of advanced malignant ovarian tumors] Prager W, et al. **Radiobiol Radiother (Berl)** 1986;27(3):341–5 (Eng. Abstr.) **(Ger)**
[Effect of cisplatin on the recovery from sublethal and potentially lethal radiation damage in cell culture] Ziegler W. **Strahlenther Onkol** 1986 Dec;162(12):785–92 (Eng. Abstr.) **(Ger)**
[Dynamic changes in kidney function after the whole-body gamma irradiation of rats at a dose of 7.4 Gy] Sukhacheva EI, et al. **Radiobiologiia** 1987 May–Jun;27(3):365–9 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Uterine duplication, unilateral imperforate vagina, and normal kidneys. Johnson J, et al. **AJR** 1986 Dec; 147(6):1197–8
Foreign body in the kidney. Inai T, et al. **Br J Urol** 1987 Apr;59(4):360
Computed tomography in acute pyelonephritis. Senn E, et al. **Br J Urol** 1987 Feb;59(2):118–21
The role of routine intravenous urography in patients with primary hyperparathyroidism. Hine AL, et al. **Clin Radiol** 1987 Jul;38(4):411–3
Abnormal nephrogram pattern as an adverse reaction to contrast material. Case report. van Weelde BJ, et al. **Eur J Radiol** 1987 Feb;7(1):70–1
Pancreatic lesions and transfascial perirenal spread: computed tomographic demonstration. Feldberg MA, et al. **Gastrointest Radiol** 1987;12(2):121–7
Demonstration of residual contrast medium in renal parenchyma using computerized tomography. Braedel HU, et al. **J Urol** 1987 Jan;137(1):11–4
Diagnostic effects of edge sharpening filtration and magnification on digitally subtracted renal images. Kimme-Smith C, et al. **Med Phys** 1986 Nov–Dec; 13(6):850–6
Testing for secondary hypertension [letter] Jurica JV. **Postgrad Med** 1986 Nov 1;80(6):44, 46
Pancreatic and renal size and density determined by computed tomography in patients with type 1 (insulin-dependent) diabetes. Brunová E, et al. **Radiol Diagn (Berl)** 1986;27(6):737–44
The retrorenal colon in the supine and prone patient. Hopper KD, et al. **Radiology** 1987 Feb;162(2):443–6
Tomographic levels for intravenous urography: CT-determined guidelines. Rhodes RA, et al. **Radiology** 1987 Jun;163(3):673–5
Comparison of two strengths of iohexol and iothalamate in urography. Davies P, et al. **Urol Radiol** 1987;9(1):30–5
Parametric imaging applied to renal digital subtraction angiography: establishment of normal ranges [published erratum appears in Urol Radiol 1987;9(1):64] Hunter JV. **Urol Radiol** 1986;8(4):204–8
Digital subtraction angiography for renal donor evaluation. Cho WH, et al. **Urology** 1987 Sep;30(3):289–92
Operative renal radiography. Roth D, et al. **Urology** 1987 May;:12–3
[Diagnostic contribution of direct pyelography in patients with advanced kidney failure] Prát V, et al. **Cas Lek Cesk** 1987 Apr 24;126(17):531–3 (Eng. Abstr.) **(Cze)**
[The multicystic kidney. Anatomo-radiological study of 19 operative specimens. Practical and pathogenic consequences] Diard F, et al. **J Radiol** 1987 May; 68(5):365–71 (Eng. Abstr.) **(Fre)**
[New imaging diagnosis of the kidney] **Nippon Jinzo Gakkai Shi** 1986 Jul;28(7):960–70 **(Jpn)**

RADIONUCLIDE IMAGING

Multiple-section radionuclide tomography of the kidney: a clinical evaluation. Williams ED, et al. **Br J Radiol** 1986 Oct;59(706):975–83
99mTc DTPA scanning with diuretic washout. Is it useful in the investigation of obstruction in the presence of gross renal tract dilatation? Hunter GJ, et al. **Br J Urol** 1987 Mar;59(3):208–10
Renal allograft rejection. Unusual scintigraphic findings. Desai AG, et al. **Clin Nucl Med** 1986 Nov;11(11):773–6
A simplified method for the routine determination of effective renal plasma flow. Floyd JL, et al. **Clin Nucl Med** 1986 Nov;11(11):758–9
A comparison between four simple methods for measuring glomerular filtration rate using technetium-99m DTPA.

Ginjaume M, et al. **Clin Nucl Med** 1986 Sep;11(9):647–50
"Negative" renal outline in prune belly syndrome. Karimeddini MK, et al. **Clin Nucl Med** 1986 Feb;11(2):129
Serendipity in technetium–99m DTPA renal dynamic study. Padhy AK, et al. **Clin Nucl Med** 1987 Jan;12(1):31–2
Radionuclides in nephrology. **Contrib Nephrol** 1987;56:1–276
Reproducibility of three methods of renal clearance estimation without blood samples by means of 99mTc–DTPA. Piepsz A, et al. **Contrib Nephrol** 1987; 56:77–81
99mTc–MAG3, a new renal imaging agent: preliminary results in patients. Taylor A Jr, et al. **Eur J Nucl Med** 1987;12(10):510–4
Renal scintigraphic captopril test in the diagnosis of renovascular hypertension. Fommei E, et al. **Hypertension** 1987 Aug;10(2):212–20
Quantitative evaluation of functional renal volume in normal children based on [123I]hippuran gamma camera renography. Carlsen O, et al. **Int J Biomed Comput** 1986 Sep;19(2):119–36
Volumetric measurements in endotoxic shock using single photon emission tomography (SPET). Christenson JT, et al. **Nucl Med Commun** 1986 Oct;7(10):771–7
Excretion of radioactivity in breast milk following injection of 99Tcm–DTPA. Mountford PJ, et al. **Nucl Med Commun** 1985 Jun;6(6):341–5
99Tcm–DMSA uptake in obstructed kidneys. How inaccurate are the 5 h measurements? Verboven M, et al. **Nucl Med Commun** 1987 Jan;8(1):45–8
The implications of decreased performance of new generation gamma–cameras on the interpretation of 131I–Hippuran renal images. Zuckier LS, et al. **Nucl Med Commun** 1987 Jan;8(1):49–61
Error analysis by simulation studies in renography deconvolution. Gullquist RR, et al. **Phys Med Biol** 1987 Mar;32(3):383–95
Evaluation of Tc–99m mercaptoacetyltriglycine in patients with impaired renal function. Taylor A Jr, et al. **Radiology** 1987 Feb;162(2):365–70
Evaluation of separate renal function by means of 99mTc–aprotinin uptake test. Aprile C, et al. **Uremia Invest** 1985–86;9(2):165–70
Validation of a simple isotopic technique for the measurement of global and separated renal function. Chachati A, et al. **Uremia Invest** 1985–86;9(2):177–9
Kidney scintigraphy after ACE inhibition in the diagnosis of renovascular hypertension. Ghione S, et al. **Uremia Invest** 1985–86;9(2):211–5
Phantom kidney—a pitfall in radionuclide study of urinary tract. Merimsky E, et al. **Urology** 1987 Jul;30(1):85–7
[A renal imaging agent—99mTc–(Sn)–aprotinin and its preparation and animal experiments] Tan TZ, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Dec;17(4):299–301 (Eng. Abstr.) **(Chi)**
[Renal scintigraphy under hyperdiuresis in upper urinary tract dilatations] Nahas WC, et al. **J Urol (Paris)** 1986; 92(3):159–63 (Eng. Abstr.) **(Fre)**
[Radioisotopic quantification of kidney function using Tc–99m–DMSA. Comparison with creatinine clearance in children with a single kidney] Baillet G, et al. **Nephrologie** 1986;7(4):143–5 (Eng. Abstr.) **(Fre)**
[Clinical evaluation of factor analysis in renal dynamic studies using 99mTc–DTPA—normal kidneys and transplanted kidneys] Ohtake E, et al. **Kaku Igaku** 1986 Oct; 23(10):1455–8 (Eng. Abstr.) **(Jpn)**
[Dynamic renal scintigraphy in aortic disorders—evaluation of renal arterial involvement] Terae S, et al. **Kaku Igaku** 1986 Oct;23(10):1413–22 (Eng. Abstr.) **(Jpn)**
[Study of parenchymal lesions in renal tuberculosis by renal scintigraphy] Ueda M, et al. **Kaku Igaku** 1986 Dec; 23(12):1715–20 (Eng. Abstr.) **(Jpn)**
[Quantitative renal function study using the RI clearance method by external counting] Sugano O. **Nippon Hinyokika Gakkai Zasshi** 1986 Oct;77(10):1549–58 (Eng. Abstr.) **(Jpn)**
[A case of renal uptake of Tc–99m methylene diphosphonate after radiation therapy] Kikuchi A, et al. **Rinsho Hoshasen** 1986 Sep;31(9):1061–4 (Eng. Abstr.) **(Jpn)**
[Renography and dynamic scintigraphy of the kidneys in rheumatoid arthritis] Askerov NM. **Med Radiol (Mosk)** 1987 Jun;32(6):13–7 (Eng. Abstr.) **(Rus)**
[Assessment of kidney function with 99mTc–pyrophosphate during the scintigraphy of the joints in rheumatoid arthritis patients] Davydov GA, et al. **Med Radiol (Mosk)** 1987 Mar; 32(3):57–60 (Eng. Abstr.) **(Rus)**
[Effect of measurement geometry on the results of radionuclide studies of the kidneys] Narkevich BIa, et al. **Med Radiol (Mosk)** 1987 May;32(5):60–1 **(Rus)**
[Effect of detector sensitivity on the accuracy of results of radionuclide kidney studies] Narkevich BIa, et al. **Med Tekh** 1986 Jul–Aug;(4):19–23 (Eng. Abstr.) **(Rus)**

SECRETION

Lactate increases potassium secretion by perfused rat kidney. Brezis M, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F873–8
Dexamethasone does not inhibit antidiuretic hormone–stimulated prostaglandin production in vivo. Náray–Fejes–Tóth A, et al. **Endocrinology** 1986 Dec; 119(6):2856–60
Control of renal renin release. Stella A, et al. **Kidney Int [Suppl]** 1987 May;20:S89–94 (31 ref.)

SURGERY

A new conception of reconstructional operations of hydronephrosis with special view to the surgical treatment of horseshoe kidneys. Kučera J. **Acta Univ Palacki Olomuc Fac Med** 1986;114:285–312 (25 ref.)
Evolving strategies for the repair of complex renovascular lesions. Kent KC, et al. **Ann Surg** 1987 Sep;206(3):272–8
Treatment of carcinoma in a solitary kidney: alternative technique. Bowsher WG, et al. **Br J Urol** 1987 May; 59(5):487–8
The sapphire crystal infrared photocoagulator and polyglactin (Vicryl) mesh: two new alternatives to the suturing of radial nephrotomies. Grainger R, et al. **Br J Urol** 1986 Oct;58(5):484–7
Extended posterior lumbotomy. Kumar S, et al. **Br J Urol** 1986 Aug;58(4):465–6
Renorrhaphy using knitted polyglycolic acid mesh. White RA, et al. **J Trauma** 1987 Jun;27(6):689–90
Sutureless closure of the renal wound surface by extracorporeal renal surgery on dogs. Mikó I, et al. **Polim Med** 1986;16(3–4):85–91
Canine islet cell transplantation under the kidney capsule [letter] Toledo–Pereyra LH. **Transplantation** 1986 Oct; 42(4):443
Effect of urinary extravasation on renal wound healing in dogs. Redman JF. **Urology** 1987 Feb;29(2):166–9
[Development and assessment of an artificial pacemaker of the ureter with feedback] Kolesnikow GP, et al. **Z Urol Nephrol** 1987 Jan;80(1):25–9 (Eng. Abstr.) **(Ger)**
[Significance of drug prevention of thromboembolism in urologic risk patients] Schulz B, et al. **Z Urol Nephrol** 1987 Jan;80(1):37–42 (Eng. Abstr.) **(Ger)**
[Immediate and late results of nephropexy by the Rivoir technic as modified by A. Ia. Pytel' and N. A. Lopatkin] Sopilidi FL, et al. **Urol Nefrol (Mosk)** 1987 Jan–Feb; (1):55–6 **(Rus)**
[Surgical treatment of the obstruction of the pyeloureteral junction] Burgos FJ, et al. **Actas Urol Esp** 1986 Sep–Oct; 10(5):313–8 (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

Anaesthesiological complications in renal transplantation: a retrospective study of 500 transplantations. Heino A, et al. **Acta Anaesthesiol Scand** 1986 Oct;30(7):574–80
Adult respiratory distress syndrome after renal transplantation. A case report. Modig J, et al. **Acta Anaesthesiol Scand** 1986 Aug;30(6):487–9
Comparison of atracurium and vecuronium in anaesthesia for renal transplantation. Orko R, et al. **Acta Anaesthesiol Scand** 1987 Jul;31(5):450–3
Organ donation in Belgium: discrepancy between offer and demand. Van Hee R. **Acta Chir Belg** 1987 May–Jun; 87(3):173–6
Hormonal profile in pubertal females with chronic renal failure: before and under haemodialysis and after renal transplantation. Ferraris JR, et al. **Acta Endocrinol (Copenh)** 1987 Jul;115(3):289–96
The donor factor in hypertension after renal transplantation. Strandgaard S, et al. **Acta Med Scand [Suppl]** 1986; 714:49–53
Pregnancy following kidney transplantation. Marushak A, et al. **Acta Obstet Gynecol Scand** 1986;65(6):557–9
Kidney transplantation may cure aluminium osteodystrophy. Nordal KP, et al. **Acta Pharmacol Toxicol (Copenh)** 1986; 59 Suppl 7:289–92
Psychological sequelae of kidney donation. A 5–10 year follow up study. Sharma VK, et al. **Acta Psychiatr Scand** 1987 Mar;75(3):264–7
Use of 99Tcm radionuclides to show nephrotoxicity of cyclosporin A in transplanted kidneys. Thomsen HS, et al. **Acta Radiol** 1987 Jan–Feb;28(1):59–61
Quantitative metacarpal bone measurements before and after renal transplantation. Andresen J, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jul–Aug;27(4):437–42
Caliceal clubbing and adjacent parenchymal scarring (always reflux nephropathy?) as a cause of end–stage renal failure. Thomsen HS, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Nov–Dec;27(6):705–10
Amelioration of the ischemic damage of the dog kidney subjected to 90 minutes of warm ischemia by lidocaine pretreatment and low–dose dopamine infusion on revascularization. Rowinski W, et al. **Adv Exp Med Biol** 1987;212:291–6
Post–transplant acute renal failure. Touraine JL, et al. **Adv Exp Med Biol** 1987;212:205–10
Cyclosporine in pediatric kidney transpiantation. Brodehl J, et al. **Adv Nephrol** 1987;16:335–49
Kidney transplantation in children: results of 383 grafts performed at Enfants Malades Hospital from 1973 to 1984. Broyer M, et al. **Adv Nephrol** 1987;16:307–33
Eicosanoids, gamma–interferon and inflammatory cells in kidney transplant patients. Foegh ML, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1986; 16:205–14 (34 ref.)
MR imaging of renal transplants. Baumgartner BR, et al. **AJR** 1986 Nov;147(5):949–53
The distinction between acute renal transplant rejection and cyclosporine nephrotoxicity: value of duplex sonography. Buckley AR, et al. **AJR** 1987 Sep;149(3):521–5
Differential diagnosis of renal transplant rejection: is MR imaging the answer? Halasz NA. **AJR** 1986 Nov; 147(5):954–5
Sonography in the diagnosis of acute renal allograft rejection and cyclosporine nephrotoxicity. Linkowski GD, et al. **AJR** 1987 Feb;148(2):291–5
Evaluation of renal transplant rejection by duplex Doppler examination: value of the resistive index. Rifkin MD, et al. **AJR** 1987 Apr;148(4):759–62
Simultaneous pancreatic–renal transplant scintigraphy. Shulkin BL, et al. **AJR** 1986 Dec;147(6):1193–6
Posttransplant renal artery stenosis: angiographic study in 32 children. Stanley P, et al. **AJR** 1987 Mar;148(3):487–90
Cutaneous complications in renal transplant recipients. Cohen EB, et al. **Am J Clin Pathol** 1987 Jul;88(1):32–7
Pancreatic endocrine insufficiency in posttransplant cystinosis. Fivush B, et al. **Am J Dis Child** 1987 Oct; 141(10):1087–9
Vesicoureteral reflux and urinary tract infections in renal transplant recipients. Hanevold CD, et al. **Am J Dis Child** 1987 Sep;141(9):982–4
Somatic growth after kidney transplantation. Beneficial effect of cyclosporine in comparison with conventional immunosuppression. Offner G, et al. **Am J Dis Child** 1987 May;141(5):541–6
Renal transplantation in Epstein syndrome [letter] Peterson LA, et al. **Am J Hematol** 1987 Jan;24(1):113
Nocardiosis in recipients of renal transplants: evidence for nosocomial acquisition. Baddour LM, et al. **Am J Infect Control** 1986 Oct;14(5):214–9
Abstracts of the annual scientific meeting. National Kidney Foundation. **Am J Kidney Dis** 1986 Dec;8(6):A1–20
Renal transplantation and pregnancy. Davison JM. **Am J Kidney Dis** 1987 Apr;9(4):374–80 (16 ref.)
Glomerular lesions in the transplanted kidney in children. Habib R, et al. **Am J Kidney Dis** 1987 Sep;10(3):198–207
Occurrence of multiple myeloma three years after successful renal transplantation. Howard AD, et al. **Am J Kidney Dis** 1987 Aug;10(2):147–50
Influence of cyclosporine on posttransplant blood pressure response. Jarowenko MV, et al. **Am J Kidney Dis** 1987 Aug;10(2):98–103
Cyclosporine toxicity: the effect of combined therapy using cyclosporine, azathioprine, and prednisone. Lorber MI, et al. **Am J Kidney Dis** 1987 Jun;9(6):476–84
Recurrent Henoch–Schönlein purpura following renal transplantation. Nast CC, et al. **Am J Kidney Dis** 1987 Jan; 9(1):39–43
The effect of ethanol on serum cyclosporine A levels in renal transplant recipients. Paul MD, et al. **Am J Kidney Dis** 1987 Aug;10(2):133–5
The plasma creatinine concentration is not an accurate reflection of the glomerular filtration rate in stable renal transplant patients receiving cyclosporine. Ross EA, et al. **Am J Kidney Dis** 1987 Aug;10(2):113–7
Living–related kidney donors: a multicenter study of donor education, socioeconomic adjustment, and rehabilitation. Smith MD, et al. **Am J Kidney Dis** 1986 Oct;8(4):223–33
The donor's decision in renal transplantation: a cost–benefit analysis. Spital R, et al. **Am J Kidney Dis** 1987 May; 9(5):396–403
Influence of race of cadaveric kidney donor and recipient on graft survival: a multifactorial analysis. Weller JM, et al. **Am J Kidney Dis** 1987 Mar;9(3):191–9
Evaluation of cardiovascular risk for renal transplantation in diabetic patients. Philipson JD, et al. **Am J Med** 1986 Oct;81(4):630–4
De novo diabetic nephropathy with functional impairment in a renal allograft. Gimenez LF, et al. **Am J Nephrol** 1986; 6(5):378–81
Recurrent membranoproliferative glomerulonephritis type 1 in successive renal transplants. Glicklich D, et al. **Am J Nephrol** 1987;7(2):143–9
Severe condylomata acuminata in a renal transplant recipient. Landsberg K, et al. **Am J Nephrol** 1986;6(4):325–6
Kidney donation: reflections. Spital A, et al. **Am J Nephrol** 1987;7(1):49–54
Renal tubular vacuolization in a cyclosporine–A–treated renal transplant patient without evidence of cyclosporine A nephrotoxicity [letter] Verani R. **Am J Nephrol** 1987; 7(3):250–1
Polycythaemia following renal transplantation: an association with azathioprine dosage? Webb DB, et al. **Am J Nephrol** 1987;7(3):221–5
A modern parable. Cohen LJ. **Am J Nurs** 1987 Aug; 87(8):1043
General surgical procedures in renal allograft recipients. Castaneda MA, et al. **Am J Surg** 1986 Dec;152(6):717–21
Technique for intraoperative localization of urinary leakage. McFadden DW, et al. **Am J Surg** 1987 Sep;154(3):313–4
Technique of simultaneous renal pancreatoduodenal transplantation with urinary drainage of pancreatic secretion. Nghiem DD, et al. **Am J Surg** 1987 Apr; 153(4):405–6
Infectious complications with the use of cyclosporine versus azathioprine after cadaveric kidney transplantation. Shaffer D, et al. **Am J Surg** 1987 Apr;153(4):381–6
Pulmonary dysfunction is common during a cytomegalovirus infection after renal transplantation even in asymptomatic patients. Possible relationship with complement activation. van Son WJ, et al. **Am Rev Respir Dis** 1987 Sep; 136(3):580–5
Potent immunosuppression overcomes immunologic

high-risk factors in recipients of cadaveric renal allografts. Gaber AO, et al. **Am Surg** 1987 Jul;53(7):407–9

Role of immediate versus delayed nephrectomy for failed renal transplants. Toledo-Pereyra LH, et al. **Am Surg** 1987 Sep;53(9):534–6

Recurrent infections following nephrectomy and renal transplantation for Goodpasture's syndrome. Dolen WK, et al. **Ann Allergy** 1986 Nov;57(5):317–8, 344–6

The living donor in kidney transplantation. Bay WH, et al. **Ann Intern Med** 1987 May;106(5):719–27 (71 ref.)

Cytomegalovirus and acute cholecystitis [letter] Erice A, et al. **Ann Intern Med** 1987 Jan;106(1):167

Transmission of human immunodeficiency virus by transplantation of a renal allograft, with development of the acquired immunodeficiency syndrome. Kumar P, et al. **Ann Intern Med** 1987 Feb;106(2):244–5

Kidney donors and protein intake [letter] Rocher LL, et al. **Ann Intern Med** 1987 Sep;107(3):427

Kidney donation: exclusion criteria [letter] Spital A, et al. **Ann Intern Med** 1987 Sep;107(3):426

Successful management of Pseudomonas endogenous endophthalmitis. Cowan CL Jr, et al. **Ann Ophthalmol** 1983 Jun;15(6):559–61

Fetal allograft survival in immunocompetent recipients is age dependent and organ specific. Foglia RP, et al. **Ann Surg** 1986 Oct;204(4):402–10

External ureteroneocystostomy and ureteroureterostomy in renal transplantation. McDonald JC, et al. **Ann Surg** 1987 Apr;205(4):428–31

Perforation of the colon in immunosuppressed patients [letter] Nghiem DD, et al. **Ann Surg** 1986 Dec;204(6):724–5

Cytomegalovirus as a risk factor in living-related renal transplantation. A prospective study. Pollak R, et al. **Ann Surg** 1987 Mar;205(3):302–4

T-lymphocyte subsets in renal allograft recipients treated with cyclosporine and azathioprine. Sumpio BE, et al. **Ann Surg** 1987 Jan;205(1):49–53

Effect of a stable prostacyclin analogue on canine renal allograft rejection. Tobimatsu M, et al. **Ann Surg** 1987 Feb; 205(2):199–202

Cutaneous malignant neoplasms in patients with renal transplants. Gupta AK, et al. **Arch Dermatol** 1986 Nov; 122(11):1288–93

Human papillomavirus heterogeneity in 36 renal transplant recipients. Van der Leest RJ, et al. **Arch Dermatol** 1987 Mar;123(3):354–7

The living kidney donor. Alive and well. Spital A, et al. **Arch Intern Med** 1986 Oct;146(10):1993–6

Causes of death in renal transplant recipients. A review of autopsy findings from 1966 through 1985. Scroggs MW, et al. **Arch Pathol Lab Med** 1987 Oct;111(10):983–7

Factors related to sexual functioning in male patients undergoing hemodialysis and with kidney transplants. Glass CA, et al. **Arch Sex Behav** 1987 Jun;16(3):189–207

Cyclosporine therapy and refractory Pneumocystis carinii pneumonia. A potential association. Franson TR, et al. **Arch Surg** 1987 Sep;122(9):1034–5

Simultaneous cadaver renal and pancreas transplantation in type I diabetes. Garvin PJ, et al. **Arch Surg** 1987 Mar; 122(3):274–8

Kidney transplantation in the cyclosporine era. Halasz NA, et al. **Arch Surg** 1987 Sep;122(9):1001–4

Removal of antibodies with immunoadsorption from an ABO incompatible recipient prior to renal transplant. Raja R, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):102–3

Protein loading test before and after kidney donation. Chan MK. **Aust NZ J Med** 1986 Oct;16(5):691–4

Treatment of acute renal allograft rejection with a monoclonal antibody to a T cell antigen (HuLy-m2). d'Apice AJ, et al. **Aust NZ J Med** 1987 Apr;17(2):210–5

Successful pregnancy in a renal transplant recipient taking cyclosporin A. Duggan CJ, et al. **Aust NZ J Med** 1986 Dec;16(6):813–4

Are immunosuppressed kidney transplant recipients photosensitive? Kelly G, et al. **Australas J Dermatol** 1986 Aug;27(2):91–3

Serum and human milk IgA and zinc concentration after successful renal transplantation. Grekas D, et al. **Biol Res Pregnancy Perinatol** 1986;7(3):118–20

Human papillomavirus infections in a group of renal transplant recipients. Rüdlinger R, et al. **Br J Dermatol** 1986 Dec;115(6):681–92

The use of isotretinoin in a renal transplant patient with acne [letter] Tam M, et al. **Br J Dermatol** 1987 Mar;116(3):463

Transplantation. Kidneys [published erratum appears in Br J Hosp Med 1987 Feb;37(2):177] Rudge CJ. **Br J Hosp Med** 1986 Dec;36(6):404–9

Changes in transplanted kidney volume measured by ultrasound. Absy M, et al. **Br J Radiol** 1987 Jun; 60(714):525–9

Possibilities and pitfalls of indium-111 platelet scintigraphy in the monitoring of renal transplant recipients. Leithner C, et al. **Br J Radiol** 1985 Nov;58(695):1057–63

False and true aneurysms of the renal artery after kidney transplantation. A report of two cases. Mulderije ED, et al. **Br J Radiol** 1985 Sep;58(693):896–9

A new technique for renal allograft biopsy. Ubhi CS, et al. **Br J Radiol** 1987 Jun;60(714):599–600

Objective measurement by ultrasound to distinguish cyclosporin A toxicity from rejection. Parvin SD, et al. **Br J Surg** 1986 Dec;73(12):1009–11

Combination fine-needle aspiration cytology and intrarenal manometry at the onset of renal dysfunction. Ubhi CS, et al. **Br J Surg** 1987 Apr;74(4):297–300

Spontaneous rupture of nephrostomy-drained renal transplant. Górnacz G, et al. **Br J Urol** 1986 Aug; 58(4):456–7

Successful cadaveric renal transplantation from a donor who died of cyanide poisoning. Brown PW, et al. **Br Med J [Clin Res]** 1987 May 23;294(6583):1325

Blood cyclosporin concentrations and renal allograft dysfunction [letter] De Vecchi A, et al. **Br Med J [Clin Res]** 1986 Dec 13;293(6561):1570–1

Blood cyclosporin concentrations and renal allograft dysfunction. Holt DW, et al. **Br Med J [Clin Res]** 1986 Oct 25;293(6554):1057–9

Blood cyclosporin concentrations and renal allograft dysfunction [letter] Lui SF, et al. **Br Med J [Clin Res]** 1986 Nov 29;293(6559):1435

Acquired cystic disease of the kidney: an indication for renal transplantation? Thompson BJ, et al. **Br Med J [Clin Res]** 1986 Nov 8;293(6556):1209–10

Is a "low" dose of prednisone better than a "high" dose at the time of renal transplantation? Stabile C, et al. **Braz J Med Biol Res** 1986;19(3):355–66

Hemolytic uremic syndrome in renal allografted patients treated with cyclosporin. Giroux L, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1125–31

Kidney transplantation in Canada, 1981–84. Jeffery JR, et al. **Can Med Assoc J** 1986 Oct 1;135(7):769–72

Implication of Ia-positive bone marrow interstitial stem cells in the induction of unresponsiveness to canine renal allografts. Rapaport FT, et al. **Cell Immunol** 1987 Feb; 104(2):255–70

Fluorocarbon preservation of kidney transplants. Chen HF, et al. **Chin Med J [Engl]** 1986 Nov;99(11):871–8

FLow cytometry quantitation of peripheral blood T-cell subsets as a monitor of renal allograft rejection. Binkley WF, et al. **Cleve Clin Q** 1986 Fall;53(3):249–56

Renal transplantation. An analysis of logistical and medical factors affecting cadaver organ availability. Braun WE. **Cleve Clin Q** 1986 Fall;53(3):307–13

Diagnostic significance of some urinary enzymes for detecting acute rejection crises in renal-transplant recipients: alanine aminopeptidase, alkaline phosphatase, gamma-glutamyltransferase, N-acetyl-beta-D-glucosaminidase, and lysozyme. Jung K, et al. **Clin Chem** 1986 Oct;32(10):1807–11

Proteinuria in health and disease assessed by measuring the urinary protein/creatinine ratio. Lemann J Jr, et al. **Clin Chem** 1987 Feb;33(2 Pt 1):297–9

Distribution of cyclosporine in blood of a renal-transplant recipient with type V hyperlipoproteinemia. Verrill HL, et al. **Clin Chem** 1987 Mar;33(3):423–8

Relationships of cyclosporine concentrations in serum, whole blood, and bile after renal and hepatic transplantation. Vine W, et al. **Clin Chem** 1986 Oct;32(10):1828–31

Rapid suppression of plasma alkaline phosphatase activity after renal transplantation in patients with osteodystrophy. Cundy T, et al. **Clin Chim Acta** 1987 May 15;164(3):285–91

Apoenzyme content of serum aminotransferases in patients with a renal allograft treated with cyclosporine A and azathioprine. Hafkenscheid JC, et al. **Clin Chim Acta** 1987 May 29;165(1):21–5

Effects of high-dose glucocorticoid on serum lipid-peroxide levels in acute renal-allograft rejection [letter] Hirano T, et al. **Clin Chim Acta** 1987 Apr 15;164(1):111–3

Urinary enzyme analysis in renal allograft transplantation. Kotanko P, et al. **Clin Chim Acta** 1986 Oct 31;160(2):137–44

Urinary protein/creatinine ratio as an indicator of allograft function following live related donor renal transplantation. Krishna KS, et al. **Clin Chim Acta** 1987 Feb 27;163(1):51–61

Isoenzymes of urinary N-acetyl-beta-D-glucosaminidase (NAG) in patients with renal transplants. Yuen CT, et al. **Clin Chim Acta** 1987 May 15;164(3):339–50

Renal transplantation in diabetes. Goetz FC, et al. **Clin Endocrinol Metab** 1986 Nov;15(4):807–21 (19 ref.)

Prognostic value of T lymphocyte subset ratios for renal transplant survival in patients on different immunosuppressive regimens. Henny FC, et al. **Clin Exp Immunol** 1986 Aug;65(2):373–80

Plasma interleukin 2 receptor levels in renal allograft recipients. Colvin RB, et al. **Clin Immunol Immunopathol** 1987 May;43(2):273–6

Immunohistochemical analysis of C3 cleavage fragments, factor H, and the C5b-9 terminal complex of complement in de novo membranous glomerulonephritis occurring in patients with renal transplant. Cosyns JP, et al. **Clin Nephrol** 1986 Oct;26(4):203–8

Hyperlipidemia after renal transplantation in children on alternate day corticosteroid therapy. Drukker A, et al. **Clin Nephrol** 1986 Sep;26(3):140–5

Renal biopsy in Fabry's disease eight years after successful renal transplantation. Friedlaender MM, et al. **Clin Nephrol** 1987 Apr;27(4):206–11

HIV infection in patients on dialysis and after renal transplantation [letter] Heering P, et al. **Clin Nephrol** 1987 Apr;27(4):212–3

Typing of intraglomerular mononuclear cells associated with transplant glomerular rejection. Hiki Y, et al. **Clin Nephrol** 1986 Nov;26(5):244–9

Antihypertensive and renal effects of enalapril in post-transplant hypertension. Hricik DE. **Clin Nephrol** 1987 May;27(5):250–9

A case of recurrent lupus nephritis after renal transplantation. Kumano K, et al. **Clin Nephrol** 1987 Feb;27(2):94–8

The effect of hemodialysis, vitamin D metabolites and renal transplantation on the skeletal demineralization associated with renal osteodystrophy: a computerized histomorphometric analysis. Main J, et al. **Clin Nephrol** 1986 Dec;26(6):279–87

Echo-Doppler velocimetry in the diagnosis of renal artery stenosis on transplanted kidney. Malfi B, et al. **Clin Nephrol** 1986 Oct;26(4):181–4

Spontaneous bilateral rupture of the quadriceps tendon in uremia and kidney transplantation [letter] Novoa D, et al. **Clin Nephrol** 1987 Jan;27(1):48

Polycythemia in pediatric renal transplantation. Sinnassamy P, et al. **Clin Nephrol** 1987 May;27(5):242–4

Urinoma detected by dual isotope renogram-cystogram. Baker AL, et al. **Clin Nucl Med** 1987 Apr;12(4):258–9

Evaluation of the utility of indium-111 oxine platelet imaging in renal transplant patients on cyclosporine. Marcus CS, et al. **Clin Nucl Med** 1986 Dec;11(12):834–9

Percutaneous transluminal angioplasty of renal transplant artery stenosis. Clements R, et al. **Clin Radiol** 1987 May; 38(3):235–7

Arteriography of renal transplantation. Gedroyc WM, et al. **Clin Radiol** 1987 May;38(3):239–43

Duplex ultrasound in the assessment of renal transplant complications. Murphy AM, et al. **Clin Radiol** 1987 May; 38(3):229–34

Anesthesia considerations for renal transplantation. Linke CL. **Contemp Anesth Pract** 1987;10:183–231 (50 ref.)

Ciclosporin in renal transplantation. International Workshop on Ciclosporin in Renal Transplantation. Milano, October 25–26, 1985. Proceedings. **Contrib Nephrol** 1986;51:1–167

Clinical experience with ciclosporin at the Rome University Hospital. Alfani D, et al. **Contrib Nephrol** 1986;51:64–7

Infections in ciclosporin-treated patients. Berardinelli L, et al. **Contrib Nephrol** 1986;51:102–4

Perfusion time anuria and nephrotoxicity in cadaveric renal transplant. Berloco P, et al. **Contrib Nephrol** 1986;51:140–2

Low doses of ciclosporin in renal transplantation. A single center experience. Civati G, et al. **Contrib Nephrol** 1986; 51:84–7

Immunosuppressive therapy in high-risk patients. Cortesini R, et al. **Contrib Nephrol** 1986;51:68–72

Controlled study of steroid withdrawal after 6 months in renal transplant patients treated with ciclosporin. Cristinelli L, et al. **Contrib Nephrol** 1986;51:91–5

Ciclosporin alone or associated with steroid for immunosuppression of cadaveric renal transplants? De Vecchi A, et al. **Contrib Nephrol** 1986;51:88–90

Captopril as a predictor of curable hypertension in renal transplant recipients. Dubovsky EV, et al. **Contrib Nephrol** 1987;56:117–23

Recurrent glomerulonephritis in transplanted children. Habib R, et al. **Contrib Nephrol** 1987;55:123–35

Use of fine needle aspiration biopsy in differential diagnosis between nephrotoxicity and rejection. Häyry P, et al. **Contrib Nephrol** 1986;51:147–51

Neutral steroid metabolites in body fluids of patients with uremia and after renal transplantation. Henning HV, et al. **Contrib Nephrol** 1986;50:153–66

Morphologic patterns of renal allograft rejection. Imbasciati E, et al. **Contrib Nephrol** 1987;55:105–22 (52 ref.)

Management of chronic ciclosporin-related nephrotoxicity. Kahan BD, et al. **Contrib Nephrol** 1986;51:96–101

Clinical results of ciclosporin-prednisone therapy in renal transplantation. Kahan BD, et al. **Contrib Nephrol** 1986; 51:55–60

Renal toxicity of ciclosporin. Clinical studies. Klintmalm GB. **Contrib Nephrol** 1986;51:126–32

Side effects and safety of Sandimmun in long-term treatment of renal transplant patients. Krupp P. **Contrib Nephrol** 1986; 51:105–13

Ischemic injury to renal allografts studied by gamma camera technique using 123I-hippuran. Magnusson G, et al. **Contrib Nephrol** 1987;56:178–85

111In-oxine-labeled platelets in renal transplantation. Value in ciclosporin therapy. Martín-Comín J, et al. **Contrib Nephrol** 1987;56:168–73

Brief review of the morphology of ciclosporin nephropathy. Mihatsch MJ, et al. **Contrib Nephrol** 1986;51:156–61

Brief review of the morphology of ciclosporin nephropathy. Mihatsch MJ, et al. **Contrib Nephrol** 1987;55:136–41

Role of radionuclide ventriculography in the management of kidney transplant candidates. Mueller-Brand J, et al. **Contrib Nephrol** 1987;56:186–90

Radionuclide differentiation of acute cellular rejection from ciclosporin nephrotoxicity. Pjura GA, et al. **Contrib Nephrol** 1987;56:163–7

The Milano clinical trial of ciclosporin in cadaveric renal transplantation. Ponticelli C, et al. **Contrib Nephrol** 1986; 51:51–4

Causes of arterial hypertension in kidney transplantation. Ponticelli C, et al. **Contrib Nephrol** 1987;54:226–30

Acute tubular necrosis and arterial hypertension in renal transplant patients treated with ciclosporin. Quarto di Palo F, et al. **Contrib Nephrol** 1986;51:133–6

A new approach to current problems in organ donation for kidney transplantation. Rapaport FT, et al. **Contrib Nephrol** 1986;51:1–9

Liver disease in renal transplant patients treated with azathioprine or ciclosporin. Sandrini S, et al.

Contrib Nephrol 1986;51:114–9
Ciclosporin in renal transplantation: identification of two populations with different drug metabolism. Savoldi S, et al. **Contrib Nephrol** 1986;51:31–8
Two years of ciclosporin in the North Italy Transplant Program. Scalamogna M, et al. **Contrib Nephrol** 1986; 51:39–44
Monitoring of ciclosporin toxicity by exfoliative urinary cytology in renal transplantation. Stella F, et al. **Contrib Nephrol** 1986;51:152–5
In vivo renal viability assessment by 31P magnetic resonance spectroscopy in an exteriorized kidney. Transplant model. Stowe NT, et al. **Contrib Nephrol** 1987;56:146–51
Ciclosporin in cadaveric renal transplants. Tarantino A, et al. **Contrib Nephrol** 1986;51:61–3
Low-dose ciclosporin in cadaveric renal transplantation. Thiel G, et al. **Contrib Nephrol** 1986;51:73–83
Nephrotoxicity of ciclosporin in transplanted kidneys demonstrated with the 99mTc perfusion studies. Thomsen HS, et al. **Contrib Nephrol** 1987;56:159–62
Reduction of the risk of acute tubular necrosis in ciclosporin-treated patients. Triolo G, et al. **Contrib Nephrol** 1986;51:143–6
Ciclosporin in acute and chronic renal graft rejection. Vangelista A, et al. **Contrib Nephrol** 1986;51:45–50
Ciclosporin and ischemia time in renal transplant. Vegeto A, et al. **Contrib Nephrol** 1986;51:137–9
123I-hippuran accumulation in renal transplants during azathioprine and low dose ciclosporin therapy. Willommet L, et al. **Contrib Nephrol** 1987;56:174–7
Intravascular volumes and colloid dynamics in relation to fluid management in living related kidney donors and recipients. Dawidson I, et al. **Crit Care Med** 1987 Jul; 15(7):631–6
T-lymphocyte subsets in renal allograft recipients undergoing different immunosuppression protocols. Sumpio BE, et al. **Curr Surg** 1986 Nov–Dec;43(6):502–5
The sensitivity and specificity of Hippuran renography as a diagnostic investigation of renal transplant rejection. Jørgensen JI, et al. **Dan Med Bull** 1987 Mar;34(1):50–2
The influence of ischemia on 131I–Hippuran renograms performed after kidney transplantation and its prognostic value. Jørgensen JI, et al. **Dan Med Bull** 1987 Mar; 34(1):52–7
Calcium–phosphorus metabolism after successful kidney transplantation: comparison between patients treated with conventional immunosuppressive therapy and cyclosporin A. Emiliani G, et al. **Dev Toxicol Environ Sci** 1986; 14:157–62
Diabetic pregnancy following renal transplantation. Grenfell A, et al. **Diabetic Med** 1986 Mar;3(2):177–9
Clinical leukocyte phenotyping by laser flow cytometry and monoclonal antibodies (immunocytometry) in renal transplantation. Mazaheri R, et al. **Diagn Immunol** 1986; 4(5):257–67
Visual evoked potential changes following renal transplantation. Brown JJ, et al. **Electroencephalogr Clin Neurophysiol** 1987 Feb;66(2):101–7
Left ventricular function before and after kidney transplantation. A prospective study in patients with juvenile-onset diabetes mellitus. Larsson O, et al. **Eur Heart J** 1986 Sep;7(9):779–91
Maintenance of unstable kidney donors. Pelosi G, et al. **Eur J Anaesthesiol** 1986 May;3(3):209–17
Exaggerated natriuretic response to isotonic volume expansion in hypertensive renal transplant recipients: evaluation of proximal and distal tubular reabsorption by simultaneous determination of renal plasma clearance of lithium and 51Cr-EDTA. Nielsen AH, et al. **Eur J Clin Invest** 1987 Feb;17(1):37–42
Interaction between cyclosporin and erythromycin in a kidney transplant patient. Kessler M, et al. **Eur J Clin Pharmacol** 1986;30(5):633–4
The urinary excretion of frusemide and its metabolites by kidney transplant patients. Nakahama H, et al. **Eur J Clin Pharmacol** 1987;32(3):313–5
Extrarenal scintigraphic aspects of kidney transplant scans obtained with 99mTc-DTPA. de Bakker HM, et al. **Eur J Nucl Med** 1987;12(10):477–9
CAPD fluid: a common cause of photon deficient lesions on 99mTc-D.T.P.A. scans in renal transplant patients. Gedroyc WM, et al. **Eur J Nucl Med** 1987;12(10):480–1
Renal washout and vascular resistances. Nielsen SL, et al. **Eur J Nucl Med** 1987;12(12):629–30
Renography and biopsy-verified acute rejection in renal allotransplanted patients receiving cyclosporin A. Thomsen HS, et al. **Eur J Nucl Med** 1987;12(10):473–6
90-minute 99mTc-MDP scintigraphy and 131I-hippuran renography in recently allotransplanted kidneys: evaluation of renal ischemia. Thomsen HS, et al. **Eur J Nucl Med** 1986;12(3):110–4
Successful pregnancy after renal transplantation in a patient with a urinary diversion. Hein PR, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Jun;8(3):129–32
Statistical analysis of statural growth following kidney transplantation. Fennell RS 3d, et al. **Eur J Pediatr** 1986 Oct;145(5):377–9
Influence of haemodialysis and renal transplantation on trace element concentrations in children with chronic renal failure. Wilhelm M, et al. **Eur J Pediatr** 1986 Oct; 145(5):372–6
Ultrasonographic diagnosis of infected lymphocele after kidney transplantation. Ridge JA, et al. **Eur Urol** 1987; 13(1–2):31–4
Multiple myeloma following reactivated Epstein–Barr virus infection in a renal-transplant recipient. Melato M, et al. **Haematologica (Pavia)** 1986 May–Jun;71(3):241–3
In organ transplants, Americans first? Prottas JM, et al. **Hastings Cent Rep** 1986 Oct;16(5):23–5
What else could I have done? Patients' responses to failed treatment decisions. Wagener JJ, et al. **Health Psychol** 1986; 5(5):481–96
Severely atypical changes in renal epithelium in biopsy and graft nephrectomy specimens in two cases of cadaver renal transplantation. Mittal BV, et al. **Histopathology** 1987 Aug; 11(8):833–41
Increase in natural killer activity in cyclosporine-treated renal allograft recipients during rejection. Lefkowitz M, et al. **Hum Immunol** 1987 Jun;19(2):139–49
Beta 2-microglobulin: a prognostic parameter for graft survival after renal transplantation. König P, et al. **Immunobiology** 1986 Oct;173(1):56–62
Renal allograft rejection. A light microscopic study of 12 cases. Randive NU, et al. **Indian J Pathol Microbiol** 1986 Apr;29(2):167–78
Bee sting nephropathy in a transplant patient. Taber TE, et al. **Indiana Med** 1986 Sep;79(9):778–9
Early immunological prediction of renal allograft rejection. Attallah AM, et al. **Int Arch Allergy Appl Immunol** 1987; 83(1):83–7
Immunological monitoring and early prediction of rejection in renal allograft recipients. Attallah AM, et al. **Int Arch Allergy Appl Immunol** 1987;84(1):10–7
Acquired renal cystic disease and renal adenocarcinoma in a long term renal transplant patient [letter] Arias M, et al. **Int J Artif Organs** 1986 Jul;9(4):271–2
The influence of peritoneal dialysis on the outcome of transplantation. Diaz-Buxo JA, et al. **Int J Artif Organs** 1986 Sep;9(5):359–62
Hepatorenal syndrome in a renal transplant patient. Zawada ET Jr, et al. **Int J Artif Organs** 1986 Jul;9(4):263–6
Femoral neuropathy after renal transplantation. Vogels M, et al. **Int J Pediatr Nephrol** 1987 Jan–Mar;8(1):55–6
Transplant failure does not compromise quality of life in end-stage renal disease. Binik YM, et al. **Int J Psychiatry Med** 1986–87;16(3):281–92
Kidney graft rejection studies with labeled platelets and lymphocytes. Martin-Comin J. **Int J Rad Appl Instrum [B]** 1986;13(2):173–81
Coronary artery bypass surgery in a cadaver kidney transplant recipient. Golan M, et al. **Int Surg** 1987 Jan–Mar; 72(1):56–7
Urinary excretion of vitamin C in chronic renal failure and after renal transplantation. Mydlik M, et al. **Int Urol Nephrol** 1986;18(4):457–62
Significance of immediate diuresis in relation to transplant kidney survival rate. Notghi A, et al. **Int Urol Nephrol** 1986;18(4):453–5
Percutaneous transluminal angioplasty of renal transplant artery stenosis. Miner DG, et al. **Invest Radiol** 1987 Jun; 22(6):524–6
Dialysis and transplantation for diabetic nephropathy: the Dublin experience 1977–1985. Blake P, et al. **Ir Med J** 1986 Dec;79(12):354–7
Localized cutaneous cryptococcosis successfully treated with ketoconazole. Granier F, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 2):243–9
Achieving oral health in patients with renal failure and renal transplants. Eigner TL, et al. **J Am Dent Assoc** 1986 Oct; 113(4):612–6
The effect of prednisone on the levels of serum albumin of 20 patients with renal transplants. Aplasca EC, et al. **J Am Diet Assoc** 1986 Oct;86(10):1404–5
Renal autotransplantation and extracorporeal reconstruction for complicated benign and malignant diseases of the urinary tract. Radomski JS, et al. **J Cardiovasc Surg (Torino)** 1987 Jul–Aug;28(4):413–9
Excretion of urinary N-acetyl-beta-D-glucosaminidase isoenzymes after renal transplantation in the rat. Bourbouze R, et al. **J Clin Chem Clin Biochem** 1987 Feb;25(2):71–6
Catalytic activities of alkaline phosphatase and N-acetyl-beta-D-glucosaminidase in human cortical nephron segments: heterogeneous changes in acute renal failure and acute rejection following kidney allotransplantation. Schmid H, et al. **J Clin Chem Clin Biochem** 1986 Dec;24(12):961–70
Neopterin and interferon gamma serum levels in patients with heart and kidney transplants. Woloszczuk W, et al. **J Clin Chem Clin Biochem** 1986 Oct;24(10):729–34
Natural killer-cell activity, interferon-alpha 2 production, and interleukin-2 production in cyclosporine-treated and conventionally immunosuppressed human allograft recipients. Guillou PJ, et al. **J Clin Immunol** 1986 Sep; 6(5):373–80
T lymphocyte cloning from rejected human kidney allografts. Growth frequency and functional/phenotypic analysis. Moreau JF, et al. **J Clin Invest** 1986 Oct;78(4):874–9
Immunoglobulin M to cytomegalovirus in primary and reactivation infections in renal transplant recipients. Chou S, et al. **J Clin Microbiol** 1987 Jan;25(1):52–5
Parapelvic lymph cyst in a renal allograft mimicking hydronephrosis: CT diagnosis. Ehrman KO, et al. **J Comput Assist Tomogr** 1987 Jul–Aug;11(4):714–6
Acute renal allograft rejection: difficulty in diagnosis of histologically mild cases by MR imaging. Mitchell DG, et al. **J Comput Assist Tomogr** 1987 Jul–Aug;11(4):655–63
T6+ and HLA-DR+ cell numbers in epidermis of immunosuppressed renal transplant recipients. Kelly G, et al. **J Cutan Pathol** 1987 Aug;14(4):202–6
Prevalence of Aspergillus and Candida precipitins in renal dialysis and transplant patients. Novey HS, et al. **J Dial** 1979;3(4):349–60
Prolonged survival of actively enhanced rat renal allografts despite accelerated cellular infiltration and rapid induction of both class I and class II MHC antigens. Armstrong HE, et al. **J Exp Med** 1987 Mar 1;165(3):891–907
Specific cytotoxic T cells are found in the nonrejected kidneys of blood-transfused rats. Dallman MJ, et al. **J Exp Med** 1987 Feb 1;165(2):566–71
Recurrent granulomatous synovitis due to Mycobacterium kansasii in a renal transplant recipient. Sanger JR, et al. **J Hand Surg [Am]** 1987 May;12(3):436–41
Combined heart and kidney transplantation: a case report. Faggian G, et al. **J Heart Transplant** 1986 Nov–Dec; 5(6):480–3
Thyroid hormone levels in heart and kidney cadaver donors. Gifford RR, et al. **J Heart Transplant** 1986 May–Jun; 5(3):249–53
Effects of steroids in combination with other pharmacologic immunosuppressive agents. Salaman JR. **J Heart Transplant** 1986 Jul–Aug;5(4):304–6
Post-transplant peritonitis in patients undergoing continuous ambulatory peritoneal dialysis. Solaro L, et al. **J Hosp Infect** 1987 May;9(3):274–7
Renal transplant patients treated with total lymphoid irradiation show specific unresponsiveness to donor antigens the mixed leukocyte reaction (MLR). Chow D, et al. **J Immunol** 1987 Jun 1;138(11):3746–50
Visceral leishmaniasis in a renal transplant recipient: a diagnostic and therapeutic challenge [letter] Aguado JM, et al. **J Infect** 1986 Nov;13(3):301–3
Renal failure in the course of reactivation of varicella-zoster virus infection in a renal transplant recipient. Bourbigot B, et al. **J Infect** 1986 Sep;13(2):159–62
Aeromonas hydrophila peritonitis in a renal transplant recipient [letter] Solaro L, et al. **J Infect** 1986 Nov; 13(3):300–1
Listeria monocytogenes arthritis in a renal transplant recipient [letter] Abadie SM, et al. **J Infect Dis** 1987 Aug; 156(2):413–4
Transmission of cytomegalovirus by pretransplant leukocyte transfusions in renal transplant candidates. Chou S, et al. **J Infect Dis** 1987 Mar;155(3):565–7
Transmission of infection with herpes simplex virus by renal transplantation. Dummer JS, et al. **J Infect Dis** 1987 Feb; 155(2):202–6
A comparative study of herpes simplex infections in renal transplant and leukemic patients. Greenberg MS, et al. **J Infect Dis** 1987 Aug;156(2):280–7
Radioimmunoassay for the detection of IgG antibodies to herpes simplex virus and its use as a prognostic indicator of HSV excretion in transplant recipients. Berry NJ, et al. **J Med Virol** 1987 Feb;21(2):147–54
Analysis by immunoblotting of human cytomegalovirus antibody in sera of renal transplant recipient. Shimokawa K, et al. **J Med Virol** 1987 Apr;21(4):339–46
Cardiovascular pathology in renal transplant recipients. Frye EB, et al. **J Natl Med Assoc** 1986 Dec;78(12):1187–91
Differences in kidney donations between blacks and whites: a retrospective study. Lawlor BA, et al. **J Natl Med Assoc** 1987 Mar;79(3):339–40
Pathology of digestive organs in renal transplant recipients. Pahl MV, et al. **J Natl Med Assoc** 1986 Aug;78(8):721–6
Cortex perfusion index: a sensitive detector of acute rejection crisis in transplanted kidneys. Anaise D, et al. **J Nucl Med** 1986 Nov;27(11):1697–701
Growth after renal transplantation in children. Fine RN. **J Pediatr** 1987 Mar;110(3):414–6
OKT3 monoclonal antibody in pediatric kidney transplant recipients with recurrent and resistant allograft rejection. Leone MR, et al. **J Pediatr** 1987 Jul;111(1):45–50
Growth and development in infants after renal transplantation. So SK, et al. **J Pediatr** 1987 Mar; 110(3):343–50
Growth and sexual maturation in children after kidney transplantation. van Diemen-Steenvoorde R, et al. **J Pediatr** 1987 Mar;110(3):351–6
Application of quantitative determination of urinary proteins in the diagnosis of acute rejection following renal transplantation. Zhou XX. **J Tongji Med Univ** 1986; 6(3):161–6
Posttransplant lymphoma. Sonographic characteristics of renal allograft involvement. Russ PD, et al. **J Ultrasound Med** 1987 Aug;6(8):453–6
Malacoplakia presenting as a pseudotumor of the bladder in cadaveric renal transplantation. Baniel J, et al. **J Urol** 1987 Feb;137(2):281–2
Preservation of 32 human kidneys by simple cold storage for more than 48 hours. Barry JM, et al. **J Urol** 1987 Feb; 137(2):195–6
Long-term results with renal autotransplantation for ureteral replacement. Bodie B, et al. **J Urol** 1986 Dec;136(6):1187–9
Assessment of renal preservation by phosphorus-31 magnetic resonance spectroscopy: in vivo normothermic blood perfusion. Bretan PN Jr, et al. **J Urol** 1986 Dec; 136(6):1356–9

Assessment of clinical renal preservation by phosphorus-31 magnetic resonance spectroscopy. Bretan PN Jr, et al. **J Urol** 1987 Jan;137(1):146–50

Nuclear magnetic resonance assessment of renal perfusion and preservation for transplantation. Chin JL, et al. **J Urol** 1986 Dec;136(6):1351–5

En bloc kidney and bladder transplantation from an anencephalic donor into an adult recipient. Gutierrez Calzada JL, et al. **J Urol** 1987 Jul;138(1):125–6

Significance of immediate preoperative bacteriuria with pyuria in renal transplant recipients. Hatch DA, et al. **J Urol** 1987 Apr;137(4):633–5

The treatment of ureteral obstruction in Gardner's syndrome: renal autotransplantation. Lattimer JK, et al. **J Urol** 1987 Jul;138(1):133–5

Renal transplantation in patients with indwelling continuous ambulatory peritoneal dialysis catheters. McDonald MW, et al. **J Urol** 1987 May;137(5):849–51

The beneficial effects of thoracic duct drainage in HLA-1 haplotype identical kidney transplantation. Ohshima S, et al. **J Urol** 1987 Jul;138(1):33–5

The use of the expanded polytetrafluoroethylene vascular graft as an adjunct to hypothermic pulsatile perfusion for renal preservation. Selman SH. **J Urol** 1986 Dec; 136(6):1247

Intravenous digital subtraction angiography in the evaluation of potential renal donors. Sussman SK, et al. **J Urol** 1987 Jul;138(1):28–32

Vesicocalicostomy as ultimate solution for recurrent urological complications after cadaveric renal transplantation in a patient with poor bladder function. van Son WJ, et al. **J Urol** 1986 Oct;136(4):889–91

Fournier's gangrene: a complication of penile prosthetic implantation in a renal transplant patient. Walther PJ, et al. **J Urol** 1987 Feb;137(2):299–300

Value of percutaneous core needle biopsy in the differential diagnosis of renal transplant dysfunction. Waltzer WC, et al. **J Urol** 1987 Jun;137(6):1117–21

Selection of kidney recipients [letter] **JAMA** 1987 Sep 11; 258(10):1328–9

Leads from the MMWR. Aseptic meningitis among kidney transplant recipients receiving a newly marketed murine monoclonal antibody preparation. **JAMA** 1986 Oct 10; 256(14):1873

A multifactorial system for equitable selection of cadaver kidney recipients [published erratum appears in JAMA 1987 Aug 14;258(6):783] Starzl TE, et al. **JAMA** 1987 Jun 12;257(22):3073–5

Net protein catabolic rate after kidney transplantation: impact of corticosteroid immunosuppression. Seagraves A, et al. **JPEN J Parenter Enteral Nutr** 1986 Sep–Oct;10(5):453–5

Role of MLC serum inhibitory factors in high MLC-reactive kidney transplant recipients pretreated with donor-specific blood transfusion (DST). Sakagami K, et al. **Jpn J Surg** 1986 Sep;16(5):318–22

Altered skeletal muscle ultrastructure in renal transplant patients on prednisone. Horber FF, et al. **Kidney Int** 1986 Sep;30(3):411–6

Renal target structures in acute allograft rejection: a histochemical study. Leszczynski D, et al. **Kidney Int** 1987 Jun;31(6):1311–6

Hypertension in renal transplant recipients [clinical conference] Luke RG. **Kidney Int** 1987 Apr;31(4):1024–37 (101 ref.)

Renal transplantation after prolonged dwell peritoneal dialysis in children. Malagon M, et al. **Kidney Int** 1987 Apr;31(4):981–5

Blood pressure determinants in living-related renal allograft donors and their recipients. Torres VE, et al. **Kidney Int** 1987 Jun;31(6):1383–90

Provision of renal replacement therapy for diabetic patients in the UK [editorial] **Lancet** 1987 Jul 4;2(8549):21–2

A new kidney, a new life. **Lancet** 1987 Jun 27;1(8548):1481–2

Renal transplantation in children [editorial] **Lancet** 1987 Aug 22;2(8556):434

Diagnosis of renal allograft rejection by analysis of fine-needle aspiration biopsy specimens with immunostains and simple cytology. Bishop GA, et al. **Lancet** 1986 Sep 20;2(8508):645–50

Organ sharing in transplantation [letter] Bradley BA. **Lancet** 1987 Jul 4;2(8549):47

Human papillomavirus type 5 and skin cancer in renal allograft recipients [letter] Bunney MH, et al. **Lancet** 1987 Jul 18;2(8551):151–2

Selection-adjusted comparison of life-expectancy of patients on continuous ambulatory peritoneal dialysis, haemodialysis, and renal transplantation [published erratum appears in Lancet 1987 Jun 6;1(8545):1330] Burton PR, et al. **Lancet** 1987 May 16;1(8542):1115–9

Cyclosporin in cadaveric renal transplantation: 5-year follow-up of a multicentre trial [letter] Calne RY. **Lancet** 1987 Aug 29;2(8557):506–7

Renal cell carcinoma and acquired cystic kidney disease after renal transplantation [letter] Faber M, et al. **Lancet** 1987 May 2;1(8540):1030–1

Exchanging kidney transplants [letter] Gore SM, et al. **Lancet** 1987 Aug 29;2(8557):507

Should transplant centres exchange kidneys? [letter] Henderson R, et al. **Lancet** 1987 Aug 1;2(8553):271

Cyclosporin treatment with conversion after three months versus conventional immunosuppression in renal allograft recipients. Hoitsma AJ, et al. **Lancet** 1987 Mar 14; 1(8533):584–6

Recurrence of loin pain/haematuria syndrome after renal autotransplantation [letter] Hutchison SM, et al. **Lancet** 1987 Jun 27;1(8548):1501–2

Effect of cyclosporin, previous third-party transfusion, and pregnancy on antibody development after donor-specific transfusion before renal transplantation. Macleod AM, et al. **Lancet** 1987 Feb 21;1(8530):416–8

Parvovirus infection after renal transplant [letter] Neild G, et al. **Lancet** 1986 Nov 22;2(8517):1226–7

Ichthyosis resolving after renal transplantation [letter] Nightingale JM, et al. **Lancet** 1987 Mar 28;1(8535):743–4

Cyclosporin conversion in renal transplantation [letter] Paul LC, et al. **Lancet** 1987 Apr 18;1(8538):917

Cyclosporin, HLA matching, and transfusions in kidney transplants [letter] Persijn GG, et al. **Lancet** 1986 Oct 18; 2(8512):915–6

Changes in facial appearance during cyclosporin treatment. Reznik VM, et al. **Lancet** 1987 Jun 20;1(8547):1405–7

Exchanging kidney transplants—is it worth it? Salaman JR, et al. **Lancet** 1987 Jun 27;1(8548):1480–1

Is chronic renal transplant rejection a non-immunological phenomenon? [letter] Schmidt P. **Lancet** 1986 Sep 20; 2(8508):693

Prevention of rejection of kidney transplants by monoclonal antibody directed against interleukin 2. Soulillou JP, et al. **Lancet** 1987 Jun 13;1(8546):1339–42

Serological screening for Campylobacter pylori in candidates for renal transplantation [letter] von Wulffen H, et al. **Lancet** 1987 May 16;1(8542):1140–1

Renal replacement for diabetics [letter] Watkins PJ. **Lancet** 1987 Aug 1;2(8553):279–80

Successful treatment of primary hyperoxaluria type I by combined hepatic and renal transplantation. Watts RW, et al. **Lancet** 1987 Aug 29;2(8557):474–5

Malabsorption of cyclosporin in renal transplant recipient with Crohn's disease [letter] Williams JD, et al. **Lancet** 1987 Apr 18;1(8538):914–5

Prevention of vascular graft lesions in renal transplant recipients with a new antithrombotic agent (defibrotide): a controlled study. Frascà GM, et al. **Life Support Syst** 1986 Jul–Sep;4(3):231–7

Regional anesthesia for renal transplantation. Chen YP, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Sep;24(3):196–200

Graded exercise testing and training after renal transplantation: a preliminary study. Miller TD, et al. **Mayo Clin Proc** 1987 Sep;62(9):773–7

The future of kidney transplantation. The effect of improvements in survival rate on the shortage of donated kidneys. Ruth RJ, et al. **Med Care** 1987 Mar;25(3):238–49

A cost-effectiveness analysis of cyclosporine in cadaveric kidney transplantation. Simon DG. **Med Decis Making** 1986 Oct–Dec;6(4):199–207

Peliosis hepatis in a renal transplant recipient and in a haemodialysis patient. Hankey GJ, et al. **Med J Aust** 1987 Jan 19;146(2):102–5

Corticosteroid agents in renal disease. Thomson NM. **Med J Aust** 1987 May 18;146(10):530–1, 534–5, 538 (63 ref.)

An unusual infection after renal transplantation [clinical conference] Wilcken DE, et al. **Med J Aust** 1986 Nov 17; 145(10):513–7

Retrospective study of anaesthesia for renal transplantation during the years 1979 till 1984. Satgurunathan P. **Med J Malaysia** 1985 Dec;40(4):271–5

Monoclonal antibodies for kidney allograft rejection. **Med Lett Drugs Ther** 1986 Oct 10;28(724):97–8

Persistent hyperlipidemia in renal transplant patients. Kasiske BL, et al. **Medicine (Baltimore)** 1987 Jul;66(4):309–16

A flexible computer system for renal transplant information. Fryd DS. **Methods Inf Med** 1987 Jan;26(1):40–6

Serum antibodies to individual cytomegalovirus structural polypeptides in renal transplant recipients during viral infection. Landini MP, et al. **Microbiol Immunol** 1986; 30(7):683–95

A prospective cost comparison between renal transplantation and chronic hemodialysis at Wilford Hall USAF Medical Center. Optenberg SA, et al. **Milit Med** 1986 Dec; 151(12):630–3

Hypophosphatemia in long-term renal transplant recipients: effects on bone histology and 1,25-dihydroxycholecalciferol. Felsenfeld AJ, et al. **Miner Electrolyte Metab** 1986;12(5–6):333–41

Reduced phosphate reabsorption unrelated to parathyroid hormone after renal transplantation: implications for the pathogenesis of hyperparathyroidism in chronic renal failure. Parfitt AM, et al. **Miner Electrolyte Metab** 1986; 12(5–6):356–62

Rupture of allograft kidney: a salvageable condition. Sher L, et al. **Mt Sinai J Med (NY)** 1986 Sep;53(7):526–9

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 31-1987. A 50-year-old woman with a central-nervous-system disorder and renal failure two months after a renal transplant. **N Engl J Med** 1987 Jul 30;317(5):295–306

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 42-1986. A 28-year-old man with a renal transplant and recent disorientation. **N Engl J Med** 1986 Oct 23;315(17):1079–86

Donor strains of cytomegalovirus in renal-transplant recipients [letter] Grundy JE, et al. **N Engl J Med** 1986 Nov 6;315(19):1229

Kidney transplantation from anencephalic donors. Holzgreve W, et al. **N Engl J Med** 1987 Apr 23;316(17):1069–70

Kidney transplantation from anencephalic donors [letter] O'Rourke K. **N Engl J Med** 1987 Oct 8;317(15):960–1

Effect of antiidiotypic antibodies to HLA on graft survival in renal-allograft recipients. Reed E, et al. **N Engl J Med** 1987 Jun 4;316(23):1450–5

Kidney problems [news] **Nature** 1987 Sep 3–9;329(6134):7

Demography of dialysis and transplantation in children in Europe, 1984. Report from the European Dialysis and Transplant Association Registry. **Nephrol Dial Transplant** 1986;1(1):9–15

Abstracts. European Dialysis and Transplant Association-European Renal Association: XXIIIrd annual congress. Budapest, 30 June–3 July 1986. **Nephrol Dial Transplant** 1986;1(2):68–146

Demography of dialysis and transplantation in Europe, 1984. Report from the European Dialysis and Transplant Association Registry. **Nephrol Dial Transplant** 1986; 1(1):1–8

Hepatic vascular disease after kidney transplantation: report of two cases and review of the literature. Adler M, et al. **Nephrol Dial Transplant** 1987;2(3):183–8

Coats' disease in a renal transplant recipient. Berger M, et al. **Nephrol Dial Transplant** 1987;2(2):120–3

Chickenpox in adult renal transplant recipients. Bradley JR, et al. **Nephrol Dial Transplant** 1987;1(4):242–5

The problem of paid or coerced donors of renal transplants. Cameron JS. **Nephrol Dial Transplant** 1986;1(3):149–50

Survival of sub-optimal cadaver renal grafts with prolonged cold ischaemic times using cyclosporin. Chang RW, et al. **Nephrol Dial Transplant** 1987;1(4):246–50

Graft failure and graft nephrectomy without severe complications. Hansen BL, et al. **Nephrol Dial Transplant** 1987;2(3):189–90

A prospective randomised comparative study on the influence of cyclosporin and azathioprine on renal allograft survival and function. Henny FC, et al. **Nephrol Dial Transplant** 1986;1(1):44–9

Factors determining the prevalence of hypertension after renal transplantation. Huysmans FT, et al. **Nephrol Dial Transplant** 1987;2(1):34–8

Morbidity and mortality in diabetic and non-diabetic recipients of living related donor kidneys. Larsson O, et al. **Nephrol Dial Transplant** 1987;2(2):109–16

Synergistic effect of photochemical donor pretreatment and cyclosporin therapy of the recipient on rat renal allograft survival. Oesterwitz H, et al. **Nephrol Dial Transplant** 1987; 2(1):42–4

Measurement of serum C-reactive protein concentration after renal transplantation. Rowe IF, et al. **Nephrol Dial Transplant** 1987;2(1):39–41

Beta 2-microglobulin in renal transplant recipients [letter] Allegra V, et al. **Nephron** 1986;44(3):261–2

Monitoring of serum neopterin levels in renal transplant recipients: increased values during impaired renal function and cytomegalovirus infection. Bäckman L, et al. **Nephron** 1987;46(3):319–22

Early dialysis and renal transplantation. Bonomini V, et al. **Nephron** 1986;44(4):267–71

Reversal of progressive renal allograft dysfunction with OKT3. Burdick JF, et al. **Nephron** 1987;46 Suppl 1:52–5

OKT3: First-dose safety and success. Cosimi AB. **Nephron** 1987;46 Suppl 1:12–8

Renal functional reserve of transplanted kidneys [letter] Dhaene M, et al. **Nephron** 1986;44(2):157–8

Lymph vessels of the transplanted kidney. Eliška O, et al. **Nephron** 1986;44(2):136–41

Unusual complication in a patient with renal transplantation: cerebral cysticercosis. Gordillo-Paniagua G, et al. **Nephron** 1987;45(1):65–7

Monoclonal antibody therapy with ciclosporin and steroids in nonmatched cadaveric renal transplants. Gordon RD, et al. **Nephron** 1987;46 Suppl 1:56–9

OKT3 rescue in refractory renal rejection. Kahana L, et al. **Nephron** 1987;46 Suppl 1:34–40

Non-fatal leishmaniasis in a renal transplant recipient [letter] Lamas S, et al. **Nephron** 1987;45(1):71

Human immunodeficiency virus-associated Kaposi's sarcoma in a pediatric renal transplant recipient. Malekzadeh MH, et al. **Nephron** 1987;47(1):62–5

Long-term results of dialysis and transplantation in patients with end-stage renal failure from hypernephroma. Mandel J, et al. **Nephron** 1986;44(2):111–4

Kaposi's sarcoma in a renal transplant patient treated with cyclosporine A. Messina M, et al. **Nephron** 1987;45(2):154–5

Immunosuppression and renal transplantation. Monaco AP. **Nephron** 1987;46 Suppl 1:1–4 (0 ref.)

Therapeutic use of OKT3 monoclonal antibody for acute renal allograft rejection. Norman DJ, et al. **Nephron** 1987; 46 Suppl 1:41–7

Anti-HTLV-III antibodies in dialyzed or transplanted patients in Spain [letter] Teixidó J, et al. **Nephron** 1987; 46(3):325–6

Allograft antiglomerular basement membrane glomerulonephritis in a patient with Alport's syndrome. Teruel JL, et al. **Nephron** 1987;46(1):43–4

The effect of the prophylactic use of absorbable and non-absorbable antibiotics on the incidence of urinary tract infections in recipients of cadaveric kidney transplants. Tegzess AM, et al. **Neth J Med** 1986;29(11):352–6

Visualization of the renal cortex by magnetic resonance

imaging. Ishikawa I, et al. **Nippon Jinzo Gakkai Shi** 1987 Mar;29(3):315–21

Correlation with clinical types and lymphocyte subsets in chronic renal allograft rejection. Tanabe K, et al. **Nippon Jinzo Gakkai Shi** 1986 Sep;28(9):1285–91

A comprehensive analysis of renal DTPA studies. II. Renal transplant evaluation. Rutland MD. **Nucl Med Commun** 1985 Jan;6(1):21–30

99Tcm-(tin) colloid scans in the evaluation of renal transplant rejection. Sundram FX, et al. **Nucl Med Commun** 1986 Dec; 7(12):897–906

Adverse effects of cyclosporine A on the microcirculation of the cold preserved kidney. Anaise D, et al. **NY State J Med** 1987 Mar;87(3):141–2

Significance of the head and neck in late infection in renal transplant recipients. Stoufi ED, et al. **Oral Surg Oral Med Oral Pathol** 1986 Nov;62(5):524–8

The histopathologic identification of CMV infected cells in biopsies of human renal allografts. An evaluation of 100 transplant biopsies by in situ hybridization. Ulrich W, et al. **Pathol Res Pract** 1986 Dec;181(6):739–45

Glomerular epithelial cell lesions in rat renal isografts. Lambert R, et al. **Pathology** 1987 Jan;19(1):31–7

The therapeutic approach to the infant, child, and adolescent with end-stage renal disease. Fine RN, et al. **Pediatr Clin North Am** 1987 Jun;34(3):789–801

Intensive care aspects of organ transplantation in children. McHugh MJ. **Pediatr Clin North Am** 1987 Feb; 34(1):187–201 (50 ref.)

Glucocorticoid levels and lymphocyte functions in kidney transplanted patients. Langhoff E, et al. **Pharmacol Toxicol** 1987 Apr;60(4):269–73

Tuberculosis and renal transplantation—observations from an endemic area of tuberculosis. Malhotra KK, et al. **Postgrad Med J** 1986 May;62(727):359–62

Antibodies to saline extractable tissue antigen in sera of patients with renal diseases. Martin CA, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):211–7

Transplantation approaches to graft rejection. Proceedings of the XVIII annual scientific symposium of the American Red Cross, Washington, D.C., April 28–30, 1986. **Prog Clin Biol Res** 1986;224:1–353

Organ preservation and transplantation. Belzer FO, et al. **Prog Clin Biol Res** 1986;224:291–303

OKT3 monoclonal antibody reversal of acute renal allograft rejection unresponsive to conventional immunosuppressive treatments. Goldstein G, et al. **Prog Clin Biol Res** 1986; 224:239–49

The relevance of experimental studies to clinical practice in renal transplantation. Morris PJ, et al. **Prog Clin Biol Res** 1986;224:69–86 (30 ref.)

Transfusion pretreatment of renal transplant patients. Opelz G. **Prog Clin Biol Res** 1986;224:195–208

Ischemia/reperfusion injury in the kidney. Ratych RE, et al. **Prog Clin Biol Res** 1986;224:263–89 (83 ref.)

Renal functional reserve in kidney donors. Tapson JS, et al. **Q J Med** 1986 Jul;60(231):725–32

Some problems concerning 99mTc-sulphur colloid stability in vivo. Komárek P, et al. **Radiobiol Radiother (Berl)** 1986; 27(3):347–51

Angiographic assessment of potential renal transplant donors. Derauf B, et al. **Radiol Clin North Am** 1987 Mar;25(2):261–5 (12 ref.)

Renal transplantation: clinical considerations. Hanto DW, et al. **Radiol Clin North Am** 1987 Mar;25(2):239–48 (15 ref.)

Ultrasound and computed tomographic evaluation of renal transplantation. Letourneau JG, et al. **Radiol Clin North Am** 1987 Mar;25(2):267–79 (53 ref.)

MRI in organ transplantation. Lund G, et al. **Radiol Clin North Am** 1987 Mar;25(2):281–8 (31 ref.)

Renal allograft rejection: US evaluation. Hoddick W, et al. **Radiology** 1986 Nov;161(2):469–73

Posttransplant renal rejection: comparison of quantitative scintigraphy, US, and MR imaging. Hricak H, et al. **Radiology** 1987 Mar;162(3):685–8

Doppler signal quantitation in renal allografts: comparison in normal and rejecting transplants, with pathologic correlation. Rigsby CM, et al. **Radiology** 1987 Jan;162(1 Pt 1):39–42

Renal allograft rejection: evaluation by Doppler US and MR imaging. Steinberg HV, et al. **Radiology** 1987 Feb; 162(2):337–42

Vascular complications in renal allografts: detection with duplex Doppler US. Taylor KJ, et al. **Radiology** 1987 Jan; 162(1 Pt 1):31–8

Renal scintigraphy using indium-III oxine-labeled autologous leukocytes in renal transplant recipients. Amendolagine F, et al. **Rays** 1986 Jan-Apr;11(1):107–11

Skin graft and kidney transplantation in rats. Relation between circulatory condition of the transplanted organ and histocompatibility. Numata M. **Res Exp Med (Berl)** 1986;186(6):443–8

Sporotrichosis: recurrent cutaneous, articular, and central nervous system infection in a renal transplant recipient. Gullberg RM, et al. **Rev Infect Dis** 1987 Mar-Apr; 9(2):369–75

Sonographic measurement of renal transplant area compared with scintigraphy. Päivänsalo M, et al. **Rontgenblatter** 1987 Apr;40(4):110–2

Spontaneous perforation of the renal pelvis after transplantation. A report of 2 cases and a review of 8 cases previously reported. Jamieson JR, et al. **S Afr J Surg** 1986 Sep;24(3):105–9

[Paediatric cadaver renal donors at Johannesburg Hospital. Minnaar RJ, et al. **S Afr J Surg** 1987 Mar;25(1):24–6

Epstein-Barr virus reactivation in renal transplant recipients. Hallett AF, et al. **S Afr Med J** 1987 Mar 21;71(6):347–51

Conversion from cyclosporin to azathioprine 3 months after renal transplantation—is it safe?[letter] Mieny CJ, et al. **S Afr Med J** 1987 Jun 6;71(11):738

Outcome of renal transplants with impaired renal function at 6 months. O'Donnell D, et al. **S Afr Med J** 1987 Jan 24;71(2):71–2

Renal retransplantation. The Johannesburg Hospital experience. Veller MG, et al. **S Afr Med J** 1987 Jun 20; 71(12):752–4

Urinary excretion of albumin and beta-2-microglobulin in hypertensive and normotensive renal transplant recipients during urinary diluting and concentrating tests. Jespersen B, et al. **Scand J Clin Lab Invest** 1986 Nov;46(7):609–14

The immediate effect of human renal transplantation on basal and meal-stimulated levels of gastrointestinal hormones. Haffner J, et al. **Scand J Gastroenterol** 1987 Jan;22(1):42–6

Simultaneous transplantation of pancreas and kidney in patients with advanced diabetic complications. Brekke IB, et al. **Scand J Gastroenterol [Suppl]** 1986;126:1–4

Mobile blood-derived components in rat renal allograft contain significant immunogenic potential. Halttunen J, et al. **Scand J Immunol** 1987 Feb;25(2):121–5

Frequency and functional characterization of specific T-helper cells infiltrating rat kidney allografts during acute rejection. Manca F, et al. **Scand J Immunol** 1987 Mar; 25(3):255–64

A prospective study on infection with cytomegalovirus in renal allograft recipients immunosuppressed with cyclosporine A and low dose prednisone. Arnfred J, et al. **Scand J Infect Dis** 1987;19(3):297–302

The outcome of 48 renal transplantations immunosuppressed with cyclosporine-A as monotherapy. Lund Hansen B, et al. **Scand J Urol Nephrol** 1987;21(1):65–7

Indications for and timing of removal of non-functioning kidney transplant. Lund Hansen B, et al. **Scand J Urol Nephrol** 1986;20(3):217–20

Influence of normal central venous pressure on onset of function in renal allografts. Thomsen HS, et al. **Scand J Urol Nephrol** 1987;21(2):143–5

New therapeutic protocols in kidney transplantation. Chan L, et al. **Semin Nephrol** 1986 Jun;6(2):168–82 (105 ref.)

Immunosuppressive strategy for transplantation: historical perspective and developing concepts. Glass NR. **Semin Nephrol** 1986 Sep;6(3):296–304 (45 ref.)

Morphologic findings in the renal allograft biopsy. Sibley RK, et al. **Semin Nephrol** 1985 Dec;5(4):294–306

Early high-dose oral corticosteroids and avascular hip necrosis in renal transplants. Wu AY, et al. **Singapore Med J** 1986 Jun;27(3):204–6

Deep venous thrombosis after renal transplantation. Allen RD, et al. **Surg Gynecol Obstet** 1987 Feb;164(2):137–42

Renal transplant nephrectomy. Chiverton SG, et al. **Surg Gynecol Obstet** 1987 Apr;164(4):324–8

Results with cyclosporine in renal transplantation in patients who have lost two previous allografts. Ladowski JS, et al. **Surg Gynecol Obstet** 1987 Jun;164(6):553–6

Use of illuminated ureteral catheters for the repair of obstructed ureters in transplanted kidneys. Sollinger HW, et al. **Surg Gynecol Obstet** 1986 Oct;163(4):367–8

Rejection treatment with monoclonal OKT3 antibodies after renal transplantation—a case. Husberg BS, et al. **Tex Med** 1986 Dec;82(12):45–7

Interaction between erythromycin and cyclosporine in a kidney and pancreas allograft recipient. Wadhwa NK, et al. **Ther Drug Monit** 1987;9(1):123–5

The influence of HLA-A,B and -DR matching on leucocyte infiltration in renal allografts. McWhinnie DL, et al. **Tissue Antigens** 1987 Apr;29(4):214–23

Continuous ambulatory peritoneal dialysis (CAPD) policy for renal transplantations in adults. Shiramizu T, et al. **Tokai J Exp Clin Med** 1986 Oct;11(4):255–6

First International Symposium on Renal Failure and Transplantation in Blacks. Dedication to Samuel Lee Kountz, MD, FACS, 1930–1981. **Transplant Proc** 1987 Apr; 19(2 Suppl 2):1–121

The fourth annual scientific meeting of the Transplantation Society of Australia and New Zealand. Canberra, Australia, April 1986. Proceedings. **Transplant Proc** 1987 Apr; 19(2):2821–958

Hellenic Society for Transplantation. Abstracts of the Fourth Congress. Athens, 1986. **Transplant Proc** 1986 Oct; 18(5):1455–64

Proceedings of the First Italy-U.S.A. Joint Conference on New Trends in Transplantation. May 30-June 1, 1985, Rome, Italy. **Transplant Proc** 1985 Oct;17 Suppl 2:1–149

Is diabetic nephropathy reversible? Abouna GM, et al. **Transplant Proc** 1987 Apr;19(2 Suppl 2):82–5

Transplantation in Kuwait—a middle eastern and North African perspective. Abouna GM, et al. **Transplant Proc** 1987 Apr;19(2 Suppl 2):21–6

Nuclear spin tomography of the transplanted kidney. Albert FW, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1667–70

Pneumatosis cystoides intestinalis with pneumoperitoneum in renal transplant patients on cyclosporine and prednisone. Ammons MA, et al. **Transplant Proc** 1986 Dec; 18(6):1868–70

Preservation of the cortical renal microcirculation: a prerequisite for immediate renal allograft function. Anaise D, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2039–42

Preoperative immunomodulation of renal allograft recipients by concomitant immunosuppression and donor-specific transfusions. Anderson CB, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 2):1494–7

The expression of specific differentiation antigens on macrophages infiltrating rejecting renal allografts. Andreesen R, et al. **Transplant Proc** 1987 Apr;19(2):2885–8

Immunosuppression with low-dose cyclosporine combined with bredinin and prednisolone. Aso K, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1955–8

Interferon-enhanced antibody-dependent cell-mediated cytotoxicity and prediction of rejection in renal allograft recipients. Attallah AM, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 2):1589–91

Results of cadaver renal transplants in Caribbean Hispanics as compared with North American patients. Baquero A, et al. **Transplant Proc** 1987 Apr;19(2 Suppl 2):27–9

Successful cadaveric and living related donor renal transplantation in patients with historical positive and pretransplant negative crossmatch. Baquero A, et al. **Transplant Proc** 1987 Apr;19(2):2946–8

Significance of delayed function in cyclosporine-treated cadaver kidney transplants. Belitsky P, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2096–9

Recurrent diabetic nephropathy in renal allografts placed in diabetic patients and protective effect of simultaneous pancreatic transplantation. Bohman SO, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2290–3

Blood transfusion induction of immunosuppressant-resistant lymphoid populations in dialysis patients. Bowes LG, et al. **Transplant Proc** 1987 Apr;19(2):2863–5

Phenotypic analysis of graft infiltrating cells and major histocompatibility complex expression in actively enhanced rat renal allografts. Bradley JA, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):348–50

Blood group ABO-incompatible kidney transplantation biochemical and immunochemical studies of blood group A glycolipid antigens in human kidney and characterization of the antibody response (antigen specificity and antibody class) in O recipients receiving A2 grafts. Breimer ME, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):226–30

Treatment of acute rejection crisis by antilymphocyte globulins: a randomized prospective study in pediatric kidney transplantation. Broyer M, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1886–8

Cyclosporine pharmacokinetic profiles in liver, heart, and kidney transplant patients as determined by high-performance liquid chromatography. Burckart GJ, et al. **Transplant Proc** 1986 Dec;18(6 Suppl 5):129–36

Organ donation in the black population: where do we go from here? Callender CO. **Transplant Proc** 1987 Apr;19(2 Suppl 2):36–40

National study in natural history of renal allografts in sickle cell disease or trait: a second report. Chatterjee SN. **Transplant Proc** 1987 Apr;19(2 Suppl 2):33–5

The impact of multiple organ retrieval on renal allograft function: experience of a Canadian center. Chin JL, et al. **Transplant Proc** 1987 Aug;19(4):3435–6

Search for anti-idiotypic antibodies in sera of renal transplant recipients. Daniel V, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):758–61

Combination immunosuppressive therapy in cadaveric renal transplantation: initial experience with a flexible regimen. d'Apice AJ, et al. **Transplant Proc** 1987 Apr;19(2):2834–6

A technique for transplantation of a large adult kidney into an infant. Deierhoi MH, et al. **Transplant Proc** 1987 Apr; 19(2):2953–5

Detection of acute allograft rejection by indium-111 labeled platelet scintigraphy in renal transplant patients. Desir G, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1677–80

Effect of cyclosporine A on risk factors in renal transplantation. Disney AP. **Transplant Proc** 1987 Apr; 19(2):2829–33

Adverse effects of low-dose azathioprine on Australian primary graft survival (1978–1984). Disney AP. **Transplant Proc** 1987 Feb;19(1 Pt 3):1981–4

Observations relating to the incidence of the acquired immune deficiency syndrome and other possibly associated conditions in a large population of renal transplant recipients. Feduska NJ, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 3):2161–6

Omission of donor-recipient crossmatching to minimize cold ischemia time in cadaveric renal transplantation. Fehrman I, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):808–10

The influence of hepatitis B infection on the outcome of renal allotransplantation. Flagg GL, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2155–8

Does cyclosporine improve the results of HLA-identical renal transplantation? Flechner SM, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1485–8

Kidney transplant rehabilitation at Howard University Hospital: a retrospective analysis. Flores JC, et al. **Transplant Proc** 1987 Apr;19(2 Suppl 2):115–7

Orthoclone OKT3 treatment of acute renal allograft rejection. Friedman J, et al. **Transplant Proc** 1987 Apr;19(2 Suppl 2):46

Triple combination of low-dose cyclosporine, azathioprine, and steroids in first cadaver donor renal allografts. Fries D, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1911–4

Spleen-liver scintiscan: a new technique for distinguishing

allograft rejection from cyclosporine nephrotoxicity. Galishoff ML, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1795–800

Prediction of risk factors in acute tubular necrosis following cadaver kidney transplantation. Garnier JL, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2068–70

Role of cyclosporine A in the treatment of acute renal allograft rejection. Gascon M, et al. **Transplant Proc** 1987 Aug;19(4):3481–5

Cyclosporine–steroids versus conventional therapy in cadaver kidney transplantation: analysis of a randomized trial at two years. Gianello P, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1867–72

Prospective HLA typing is helpful in cadaveric renal transplantation—maybe? Hardy MA. **Transplant Proc** 1987 Feb;19(1 Pt 1):144–8

Clinical and echocardiographic heart disease in renal transplant patients: prevalence and risk factors. Harnett JD, et al. **Transplant Proc** 1987 Aug;19(4):3415–8

Orthoclone OKT3 treatment of acute renal allograft rejection in patients receiving maintenance cyclosporine therapy. Hirsch RL, et al. **Transplant Proc** 1987 Apr;19(2 Suppl 1):32–6

Impact of immunosuppressive regimen on early posttransplant renal function. Hong JH, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2106–10

Immunological monitoring by lymphocyte electrophoretic mobility in renal transplant recipients. Ihara H, et al. **Transplant Proc** 1987 Aug;19(4):3505–9

Application of Bayesian forecasting to predict appropriate cyclosporine dosing regimens for renal allograft recipients. Kahan BD, et al. **Transplant Proc** 1986 Dec;18(6 Suppl 5):200–3

Analysis of pharmacokinetic profiles in 232 renal and 87 cardiac allograft recipients treated with cyclosporine. Kahan BD, et al. **Transplant Proc** 1986 Dec;18(6 Suppl 5):115–9

Pharmacodynamic assays of the immunosuppressive action of cyclosporine therapy in transplant recipients. Kahan BD, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1695–8

Risk factors for cadaveric donor allograft survival in cyclosporine–prednisone–treated recipients. Kahan BD, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1835–8

Spontaneous blastogenesis as a monitor of renal allograft rejection. Kanda H, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1592–4

A new and sensitive method to detect acute rejection in renal transplantation. Kano T, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 2):1691–4

Pharmacokinetics of cyclosporine in solid organ transplantation. Keown PA, et al. **Transplant Proc** 1986 Dec;18(6 Suppl 5):160–4

Analysis of the immunologic and pharmacodynamic effects of cyclosporine following renal transplantation. Keown PA, et al. **Transplant Proc** 1986 Dec;18(6 Suppl 5):252–6

Role of suppressor cells in cyclosporine–treated allograft recipients. Kerman RH, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 2):1580–3

Investigation of human T–lymphotropic virus III serology in a renal transplant population. Kerman RH, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2172–5

Skin hypersensitivity of the delayed type in renal transplant patients receiving azathioprine or cyclosporine. Kimmelstiel FM, et al. **Transplant Proc** 1987 Apr; 19(2):2939–42

Prevention of kidney arteriosclerosis: heparin, dipyridamole, warfarin, and plasma exchange. Kincaid–Smith P. **Transplant Proc** 1987 Aug;19(4 Suppl 5):82–4

Peptic ulcer disease following renal transplantation. Knechtle SJ, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2233–6

Use of cyclosporine and Minnesota antilymphoblast globulin in the early postoperative treatment of primary cadaveric renal transplant recipients. Kupin W, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1882–5

Results of simultaneous pancreaticorenal transplantation—Lyon, France. La Rocca E, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 4):44–7

Intralymphocytic ionized calcium evaluation in kidney allografts rejection. Lamperi S, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1613–7

Positive B cell crossmatches in highly sensitized patients—influence of antibody specificity on renal transplant outcome. Lazda VA, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):782–4

Expansion of a large granular lymphocyte subset that lacks natural killer activity in long–term kidney transplant recipients. Legendre C, et al. **Transplant Proc** 1987 Aug; 19(4):3394–5

Effect of initial versus delayed cyclosporine therapy in cadaveric renal transplant patients. Lewis R, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2088–92

Quadruple drug therapy prevents graft loss from acute rejection without increasing mortality. Light JA, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1927–30

Cyclosporine–associated nephrotoxicity is not intractable. Loertscher R. **Transplant Proc** 1987 Aug;19(4):3486–9

Management of immunosuppressive problems in renal allograft recipients. Lorber MI, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1951–4

Type II hyperlipoproteinemia, hyperapobetalipoproteinemia, and hyperalphalipoproteinemia following renal transplantation: implications for atherogenic risk. Lowry RP, et al. **Transplant Proc** 1987 Aug;19(4):3426–30

Type II hyperlipoproteinemia, hyperapobetalipoproteinemia, and hyperalphalipoproteinemia following renal transplantation: prevalence and precipitating factors. Lowry RP, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2229–32

Results of prospective matching for cytomegalovirus status in renal transplant recipients. Ludwin D, et al. **Transplant Proc** 1987 Aug;19(4):3433–4

Widening indications of kidney transplantation—are there limits? Lundgren G. **Transplant Proc** 1987 Feb;19(1 Pt 1):63–6

Human renal allograft–derived T cell lines. McKenna R, et al. **Transplant Proc** 1987 Aug;19(4):3391–3

The relationship of renal transplant survival to cellular and humoral responsiveness. MacSween JM, et al. **Transplant Proc** 1987 Aug;19(4):3419–21

What can be done about the insufficient supply of grafts? Margreiter R. **Transplant Proc** 1987 Feb;19(1 Pt 1):79–87

Rehabilitation: how can more dialysis and transplant patients be fully rehabilitated? Martino AN. **Transplant Proc** 1987 Apr;19(2 Suppl 2):107–10

Role of donor specific blood transfusions in prolongation of kidney graft survival. Matsumoto T, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2264–7

Preservation effect on oligo–anuria in the cyclosporine era: a prospective trial with 26 paired cadaveric renal allografts. Mendez R, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2047–50

Magnetic resonance imaging of the transplanted kidney and measurement of T2 relaxation time. Miyata Y, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1671–4

Use of Orthoclone OKT3 monoclonal antibody to reverse acute renal allograft rejection unresponsive to treatment with conventional immunosuppressive regimens. Monaco A, et al. **Transplant Proc** 1987 Apr;19(2 Suppl 1):28–31

The clinical significance of urinary fibrinopeptide A and fibrinopeptide B–beta 15–42 in chronic rejection and nephrotoxicity of renal allograft recipients immunosuppressed with cyclosporine. Morozumi K, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1791–4

Psychosocial complications in living related kidney donors: an Australian experience. Morris P, et al. **Transplant Proc** 1987 Apr;19(2):2840–4

Lytic effector cell function following kidney transplantation. Müller C, et al. **Transplant Proc** 1987 Apr;19(2):2932–8

Wide field low–dose total lymphoid irradiation in clinical kidney transplantation. Myburgh JA, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1974–7

The effect of low–dose cyclosporine A on histopathologic findings in transplant biopsy specimens and function rates after cadaver renal transplantation. Niebel W, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1772–5

A U.S. clinical study of Orthoclone OKT3 in renal transplantation. Norman DJ, et al. **Transplant Proc** 1987 Apr;19(2 Suppl 1):21–7

A randomized study of buffy coat transfusions in cadaveric renal transplantation. Norman DJ, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1967–70

Development of malignancies in Japanese renal transplant recipients. Ochiai T, et al. **Transplant Proc** 1987 Apr; 19(2):2967–70

Japanese Multicenter Trial of Cyclosporine in Renal Transplantation: overall results and analysis of the factors influencing graft survival rate. Ochiai T, et al. **Transplant Proc** 1987 Apr;19(2):2961–6

Vascular rejection and arteriosclerosis. Oguma S, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 5):63–70

The effect of cyclosporine on the early postoperative function of allografted kidneys with warm ischemic damage. Ohshima S, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2081–4

The fate of living related donor kidney recipients after conversion from cyclosporine to azathioprine. Oka T, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2012–6

Decreased interleukin 2 production and increased LEU 2a–positive suppressor cells in renal transplant patients on triple therapy with mizoribine, cyclosporine A, and prednisolone. Okubo M, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 3):1940–3

The prognostic significance of the presence of monocytes in glomeruli of renal transplant allografts. Om A, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1618–22

Effect of HLA matching in 10,000 cyclosporine–treated cadaver kidney transplants. Opelz G. **Transplant Proc** 1987 Feb;19(1 Pt 1):641–6

Improved kidney graft survival in nontransfused recipients. Opelz G. **Transplant Proc** 1987 Feb;19(1 Pt 1):149–52

Symptoms in end–stage renal disease: dialysis v transplantation. Parfrey PS, et al. **Transplant Proc** 1987 Aug;19(4):3407–9

Renal transplantation in primary hyperoxaluria/oxalosis: a report of two cases. Paul MD, et al. **Transplant Proc** 1987 Aug;19(4):3431–2

Effect of class I HLA matching on graft survival in sensitized patients. Pfaff WW, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):716–9

Strategies used to alter the immunogenicity of vascularized organ allografts. Pollak R, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 1):258–61

Differential effects of cyclosporine and azathioprine on host cell populations in renal allograft recipients. Pullis CK, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1596–9

Living donor kidney transplantation. Rapaport FT. **Transplant Proc** 1987 Feb;19(1 Pt 1):169–73

Attenuation of immunologic memory in canine recipients hyperimmunized with DLA–specific alloantigens. Rapaport FT, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):464–8

Will atherosclerosis limit clinical xenografting? Reemtsma K, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 5):108–18

The rehabilitation of dialysis and transplant patients. Richardson YW. **Transplant Proc** 1987 Apr;19(2 Suppl 2):111–4

Detrimental effect of a positive B lymphocyte crossmatch in renal transplantation. Russ GR, et al. **Transplant Proc** 1987 Apr;19(2):2837–9

Positive B lymphocyte crossmatch and glomerular rejection in renal transplant recipients. Russ GR, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):785–8

Donor–specific blood transfusions versus cyclosporine—the DST story. Salvatierra O Jr, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):160–6

Results in live–donor renal transplantation: the SEOPF Multicenter Study. South Eastern Organ Procurement Foundation. Sanfilippo F, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 2):1489–91

Relationship of cyclosporine pharmacokinetic parameters to clinical events in human renal transplantation. Savoldi S, et al. **Transplant Proc** 1986 Dec;18(6 Suppl 5):120–8

Reduction of nephrotoxicity and improvement of immunosuppression by combination of cyclosporine A and azathioprine. Schareck WD, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1937–9

Experience in pancreatic renal transplantation at Liverpool, UK. Sells RA. **Transplant Proc** 1987 Aug;19(4 Suppl 4):40–3

Role of class I and class II HLA antigens in cadaveric renal transplantation. Sengar DP, et al. **Transplant Proc** 1987 Aug;19(4):3422–5

Monoclonal anti–IL–2 receptor antibody in primate renal transplantation. Shapiro ME, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):594–8

Conversion of cyclosporine to azathioprine in renal transplant patients. Shen SY, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2032–6

Differentiation of acute rejection from acute cyclosporine nephrotoxicity in renal transplants peripheral T cell subset counts. Shen SY, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1776–9

Anti–idiotypic antibodies and suppressor cells in patients receiving pretransplant donor–specific blood transfusions. Singal DP, et al. **Transplant Proc** 1987 Aug;19(4):3399–401

Platelet–derived growth factor and prostacyclin in kidney transplant rejection. Sinzinger H, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 5):102–7

The use of low–dose cyclosporine A in combination with azathioprine and steroids in renal transplantation. Slapak M, et al. **Transplant Proc** 1987 Apr;19(2 Suppl 2):41–5

Is there a role for kidney transplantation in developing countries? Slapak M. **Transplant Proc** 1987 Apr;19(2 Suppl 2):17–20

Triple and quadruple therapy after renal transplantation in patients from developing countries. Slapak M, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1922–5

Effectiveness of oral acyclovir prophylaxis in renal transplant recipients. Stoffel M, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2190–3

Detection of T cell sensitization in renal transplant patients with mixed lymphocyte culture–cell–mediated lympholysis. Suranyi MG, et al. **Transplant Proc** 1987 Apr;19(2):2873–5

Kidney transplantation in diabetic patients. Sutherland DE, et al. **Transplant Proc** 1987 Apr;19(2 Suppl 2):90–4

Prospective study and long–term follow–up of liver damage in renal transplant recipients. Takahara S, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2221–4

Useful antiglobulin crossmatch test for DST–sensitized patients. Takahashi H, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):794–9

Viral infections in kidney transplant patients immunosuppressed with cyclosporine. Takahashi K, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2142–9

Cyclosporine immunosuppression and delayed graft function in 455 cadaveric renal transplants. Taylor RJ, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2100–3

Improvement of renal function after conversion from cyclosporine only to prednisolone–azathioprine followed by late–onset graft failure in renal transplant patients. Tegzess AM, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2000–4

Therapeutic effect of antiplatelet agents on obstructive vascular lesions after kidney transplantation with cyclosporine. Teraoka S, et al. **Transplant Proc** 1987 Aug; 19(4 Suppl 5):77–81

The use of OKT3 to treat steroid–resistant renal allograft rejection in patients receiving cyclosporine. Thistlethwaite JR Jr, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1901–4

Superior renal allograft survival and decreased rejection with early high–dose and sequential multi–species antilymphocyte globulin therapy. Thomas F, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1874–8

Effect of azathioprine on kidney allograft tolerance induced by rabbit ATG and donor bone marrow in primates. Thomas J, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):472–5

A longitudinal study of the pharmacokinetics of cyclosporine A and in vitro lymphocyte responses in renal transplant patients. Tufveson G, et al. **Transplant Proc** 1986 Dec;18(6 Suppl 5):16–24

Interleukin 2 response inhibition following donor specific transfusions given with azathioprine. Tyler JD, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2258–61

Prospective HLA typing is helpful in cadaveric renal transplantation. van Rood JJ. **Transplant Proc** 1987 Feb; 19(1 Pt 1):139–43

Influence of donor and recipient DRw6 status on outcome of cadaver kidney transplantation. Vereerstraeten P, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):708–10

De novo occurrence of hemolytic–uremic syndrome in a cyclosporine–treated renal allograft patient. Verpooten GA, et al. **Transplant Proc** 1987 Apr;19(2):2943–5

Influence of the calcium antagonist diltiazem on delayed graft function in cadaveric kidney transplantation: results of a 6–month follow–up. Wagner K, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1353–7

Long–term follow–up of a prospective trial of low–dose versus high–dose steroids in cadaveric renal transplantation. Walker RG, et al. **Transplant Proc** 1987 Apr;19(2):2825–8

Genomic typing for HLA class II antigens: application to matching of renal allografts. Wallin J, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):658–61

Identification of mononuclear cell populations infiltrating human renal allografts. Waltzer WC, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1629–32

Morbid outcome of cytomegalovirus–negative transplant recipients receiving cytomegalovirus–positive kidneys. Weir MR, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2137–41

Evaluation of the effects of cyclosporine and HLA–typed source leukocyte transfusions (apheresis by–products) on the immune systems of highly sensitized prospective renal allograft recipients. Weir MR, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):735–7

Experiences with a blood level–adjusted cyclosporine regimen in kidney and liver allograft recipients. Wonigeit K, et al. **Transplant Proc** 1986 Dec;18(6 Suppl 5):181–7

Preclinical evaluation of immunosuppression selective for T cells recognizing class I histocompatibility antigens. Wright JK Jr, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1106–9

Large granular lymphocyte subsets in long–term renal allograft recipients. Yip GH, et al. **Transplant Proc** 1987 Aug;19(4):3396–8

The inhibition of interleukin 2 (IL–2) gene expression at the level of messenger RNA by in vivo cyclosporine treatment in kidney transplant recipients. Yoshimura N, et al. **Transplant Proc** 1987 Aug;19(4):3510–2

Influence of in vivo cyclosporine on interleukin production in kidney transplant recipients. Yoshimura N, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1194–8

Diffuse herpes simplex virus colitis in a kidney transplant recipient successfully treated with acyclovir. Adler M, et al. **Transplantation** 1987 Jun;43(6):919–21

The effect of verapamil in reducing the severity of acute tubular necrosis in canine renal autotransplants. Agatstein EH, et al. **Transplantation** 1987 Sep;44(3):355–7

Hemolytic anemia resulting from autoantibodies produced by the donor's lymphocytes after renal transplantation. Ahmed KY, et al. **Transplantation** 1987 Jan;43(1):163–4

The clinical course of IgA–nephropathy and Henoch–Schönlein purpura following renal transplantation. Bachman U, et al. **Transplantation** 1986 Nov;42(5):511–5

Increased serum beta 2 microglobulin during rejection, cyclosporine–induced nephrotoxicity, and cytomegalovirus infection in renal transplant recipients. Bäckman L, et al. **Transplantation** 1986 Oct;42(4):368–71

Association of rheumatoid factors in renal transplant recipients with cytomegalovirus infection and not with rejection. Baldwin WM 3d, et al. **Transplantation** 1987 May; 43(5):658–62

Immunoadsorption and renal transplant in two patients with a major ABO incompatibility. Bannett AD, et al. **Transplantation** 1987 Jun;43(6):909–11

Thrombocytopenia and autoimmune hemolytic anemia following renal transplantation. Bapat AR, et al. **Transplantation** 1987 Jul;44(1):157–9

Needle biopsy evaluation of class II major histocompatibility complex antigen expression for the differential diagnosis of cyclosporine nephrotoxicity from kidney graft rejection. Barrett M, et al. **Transplantation** 1987 Aug;44(2):223–7

Long–term normalization of resistant renal hypertension after embolization of host kidneys in a transplanted patient—a case report. Bonomini V, et al. **Transplantation** 1987 Mar; 43(3):451

The impact of cyclosporine and combination immunosuppression on the incidence of posttransplant diabetes in renal allograft recipients. Boudreaux JP, et al. **Transplantation** 1987 Sep;44(3):376–81

Malignant external otitis in a diabetic renal transplant patient. Successful treatment without discontinuation of immunosuppressive therapy. Britigan BE, et al. **Transplantation** 1987 May;43(5):769–71

Postoperative deep venous thrombosis after renal transplantation. Effects of cyclosporine. Brunkwall J, et al. **Transplantation** 1987 May;43(5):647–9

Improved renal allograft survival following donor–specific transfusions. II. In vitro correlates of early (DST–type) rejection episodes. Burlingham WJ, et al. **Transplantation** 1987 Jan;43(1):41–6

Donor–specific T cell lines grown from fine–needle aspirates of human renal allografts during acute rejection. Caillat S, et al. **Transplantation** 1987 Aug;44(2):325–9

Pretransplant crossmatch status and immunoglobulin production in renal transplant recipients. Cardella CJ, et al. **Transplantation** 1987 Feb;43(2):184–6

Hypertension after renal transplantation. A comparison of cyclosporine and conventional immunosuppression. Chapman JR, et al. **Transplantation** 1987 Jun;43(6):860–4

Immunoglobulin class and specificity of antibodies causing positive T cell crossmatches. Relationship to renal transplant outcome. Chapman JR, et al. **Transplantation** 1986 Dec;42(6):608–13

Phenotypic composition and in vitro functional capacities of unmodified fresh cells infiltrating acutely rejected human kidney allografts. Charpentier BM, et al. **Transplantation** 1987 Jul;44(1):38–43

Human cadaver renal transplantation in the presence of ABO blood group incompatibility. Chatterjee SN. **Transplantation** 1987 Jun;43(6):911–3

The effect of zero HLA class I and II mismatching in cyclosporine–treated kidney transplant patients. Cicciarelli J, et al. **Transplantation** 1987 May;43(5):636–40

Pretreatment with lymphocyte subpopulations and renal allograft survival in the rat. Cranston D, et al. **Transplantation** 1987 Jun;43(6):809–13

Acute serum sickness with glomerulonephritis induced by antithymocyte globulin. Cunningham E, et al. **Transplantation** 1987 Feb;43(2):309–12

T cell subset patterns in cyclosporine–treated renal transplant recipients with primary cytomegalovirus disease. Dafoe DC, et al. **Transplantation** 1987 Mar;43(3):452–4

Prednisolone and posttransplantation hypertension in rat renal allograft recipients. de Keijzer MH, et al. **Transplantation** 1987 Mar;43(3):353–7

The Kell system and kidney transplantation. Ernst RL, et al. **Transplantation** 1987 May;43(5):759–61

Correlation between high–molecular–weight Fc gamma–receptor–blocking factors in serum and renal allograft survival. Forwell MA, et al. **Transplantation** 1987 Aug;44(2):227–33

Evidence that cyclosporine does not affect the metabolism of prednisolone after renal transplantation. Frey FJ, et al. **Transplantation** 1987 Apr;43(4):494–8

Donor–specific transfusions in renal transplantation in children. Effect of azathioprine plus transfusions. Friedman A, et al. **Transplantation** 1987 Jul;44(1):159–61

Precise specificity of induced tubular HLA–class II antigens in renal allografts. Fuggle SV, et al. **Transplantation** 1987 Aug;44(2):214–20

Reduction of susceptibility to lipid peroxidation by desferrioxamine in rabbit kidneys subjected to 24–hour cold ischemia and reperfusion. Fuller BJ, et al. **Transplantation** 1987 Apr;43(4):504–6

Tc–99m DTPA scans in renal allograft rejection and cyclosporine nephrotoxicity. Gedroyc W, et al. **Transplantation** 1986 Nov;42(5):494–7

Cortical and vascular prostaglandin synthesis during renal allograft rejection in the rat. Gibbons CP, et al. **Transplantation** 1987 Apr;43(4):472–8

Positive antiglobulin cytotoxicity crossmatch in renal allograft recipients treated with cyclosporine. Gifford RR, et al. **Transplantation** 1986 Oct;42(4):439–41

Substantial benefits of tissue matching in renal transplantation. Gilks WR, et al. **Transplantation** 1987 May; 43(5):669–74

Results of conversion from cyclosporine to azathioprine in cadaveric renal transplantation. Gonwa TA, et al. **Transplantation** 1987 Feb;43(2):225–8

Renal transplantation in patients with a history of heroin abuse [published erratum appears in Transplantation 1987 Mar;43(3):459] Gordon MJ, et al. **Transplantation** 1986 Nov;42(5):556–7

A comparison of cyclosporine A and Nva2–cyclosporine (cyclosporine G) in a rat renal allograft model. Grant D, et al. **Transplantation** 1987 Jul;44(1):9–12

Percutaneous transluminal angioplasty. The procedure of choice in the hypertensive renal allograft recipient with renal artery stenosis. Greenstein SM, et al. **Transplantation** 1987 Jan;43(1):29–32

Early indices of warm ischemic damage in autotransplanted canine kidneys preserved by simple hypothermic storage. Gregg CM, et al. **Transplantation** 1986 Nov;42(5):458–62

Recovery of glomerular and tubular function in autotransplanted dog kidneys preserved by hypothermic storage or machine perfusion. Relation of initial function to long–term function. Gregg CM, et al. **Transplantation** 1986 Nov;42(5):453–8

A controlled trial of steroids in cyclosporine–treated renal transplant recipients. Griffin PJ, et al. **Transplantation** 1987 Apr;43(4):505–8

Hepatitis B disease in dialysis and transplant patients. Further epidemiologic and serologic studies. Harnett JD, et al. **Transplantation** 1987 Sep;44(3):369–76

Erythromycin–cyclosporine interaction in renal transplant recipients. Harnett JD, et al. **Transplantation** 1987 Feb; 43(2):316–8

Prolongation of renal allograft survival in antilymphocyte–serum–treated dogs by postoperative injection of density–gradient–fractionated donor bone marrow. Hartner WC, et al. **Transplantation** 1986 Dec; 42(6):593–7

Successful regrafting of an explanted transplant kidney. Al–Hasani MK, et al. **Transplantation** 1987 Jun;43(6):916–7

The influence of the pattern of inflammation and administration of steroids on class II MHC antigen expression in renal transplants. Häyry P, et al. **Transplantation** 1986 Oct;42(4):358–63

Stored–blood donor–specific transfusions with cyclosporine in distantly related and unrelated donor–recipient pairs. Hefty TR, et al. **Transplantation** 1986 Dec;42(6):702–3

Multivariate prediction model of kidney transplant success rates. Hennige M, et al. **Transplantation** 1986 Nov; 42(5):491–3

Expression of HLA–DR antigens on peripheral blood T lymphocytes and renal graft tubular epithelial cells in association with rejection. Henny FC, et al. **Transplantation** 1986 Nov;42(5):479–83

Selective reduction of donor–specific cytotoxic T lymphocyte precursors in patients with a well–functioning kidney allograft. Herzog WR, et al. **Transplantation** 1987 Mar;43(3):384–9

Valproate for epilepsy in renal transplant recipients receiving cyclosporine. Hillebrand G, et al. **Transplantation** 1987 Jun; 43(6):915–6

Renal function after kidney transplantation in children. A comparison of conventional immunosuppression with cyclosporine. Hoyer PF, et al. **Transplantation** 1987 Apr; 43(4):489–93

Ureteropyelostomy with a monofilament absorbable suture. Hughes JD, et al. **Transplantation** 1987 Sep;44(3):459–60

Exacerbation of cyclosporine toxicity by concomitant administration of erythromycin. Jensen CW, et al. **Transplantation** 1987 Feb;43(2):263–70

Effects of coadministration of cyclosporine and acyclovir on renal function of renal allograft recipients. Johnson PC, et al. **Transplantation** 1987 Aug;44(2):329–31

Multivariate analysis of risk factors impacting on immediate and eventual cadaver allograft survival in cyclosporine–treated recipients. Kahan BD, et al. **Transplantation** 1987 Jan;43(1):65–70

Complications of cyclosporine–prednisone immunosuppression in 402 renal allograft recipients exclusively followed at a single center for from one to five years. Kahan BD, et al. **Transplantation** 1987 Feb; 43(2):197–204

Immunoregulatory mechanisms in cyclosporine–treated renal allograft recipients. Kerman RH, et al. **Transplantation** 1987 Feb;43(2):205–10

Investigation of HTLV–3 serology in a renal transplant population. Kerman RH, et al. **Transplantation** 1987 Feb; 43(2):244–8

Fulminant hepatitis in renal transplant recipients. The role of the delta agent. Kharsa G, et al. **Transplantation** 1987 Aug;44(2):221–3

Immunopathologic patterns of cyclosporine deposition associated with nephrotoxicity in renal allograft biopsies. Kolbeck PC, et al. **Transplantation** 1987 Feb;43(2):218–24

Serum beta 2 microglobulin levels in renal transplant patients [letter] Kootte AM, et al. **Transplantation** 1987 Jun; 43(6):931

Effective long–term immunosuppression maintained by low cyclosporine levels in primary cadaveric renal transplant recipients. Kupin WL, et al. **Transplantation** 1987 Feb; 43(2):214–8

The impact of high lymphocyte sensitivity to glucocorticoids on kidney graft survival in patients treated with azathioprine and cyclosporine. Langhoff E, et al. **Transplantation** 1987 Mar;43(3):380–4

Immunofluorescence caused by cyclosporine in urinary exfoliative cytology in renal transplant recipients. Larsen AE. **Transplantation** 1986 Dec;42(6):699–702

Retransplantation with HLA–identical living–related allografts in children. Laufer J, et al. **Transplantation** 1987 Aug;44(2):322–3

Natural killer cell subsets in long–term renal allograft recipients. A phenotypic and functional study. Legendre CM, et al. **Transplantation** 1986 Oct;42(4):347–52

Characterization of an expanded large granular lymphocyte subset lacking natural killer activity present in renal allograft recipients. Legendre CM, et al. **Transplantation** 1987 Feb;43(2):229–34

Hepatobiliary and pancreatic complications of cyclosporine therapy in 466 renal transplant recipients. Lorber MI, et al. **Transplantation** 1987 Jan;43(1):35–40

Identification of donor factors predisposing to high discard rates of cadaver kidneys and increased graft loss within one year posttransplantation—SEOPF 1977–1982. South–Eastern Organ Procurement Foundation. Lucas BA, et al. **Transplantation** 1987 Feb;43(2):253–8

Morphometric analysis of cellular infiltration assessed by monoclonal antibody labeling in sequential human renal allograft biopsies. McWhinnie DL, et al. **Transplantation** 1986 Oct;42(4):352–8

Allospecific rat–mouse T hybridoma clones generated from kidney graft–infiltrating cells. Manca F, et al. **Transplantation** 1987 Sep;44(3):440–2

Extensive prolongation of rat renal allograft survival following donor or nonspecific transfusions and concomitant immunosuppressant. Martin DC, et al. **Transplantation** 1987 Jun;43(6):790–4

Posttransplant antidonor lymphocytotoxic antibody

production in relation to graft outcome. Martin S, et al. **Transplantation** 1987 Jul;44(1):50–3
The beneficial effect of pretransplant blood transfusions in cyclosporine-treated cadaver renal allograft recipients. Melzer JS, et al. **Transplantation** 1987 Jan;43(1):61–4
Renal transplantation done safely without prior chronic dialysis therapy. Migliori RJ, et al. **Transplantation** 1987 Jan;43(1):51–5
The effects of cyclosporine on the induction of donor class I and class II MHC antigens in heart and kidney allografts in the rat. Milton AD, et al. **Transplantation** 1986 Oct; 42(4):337–47
A blue kidney in a living donor [letter] Mocelin AJ, et al. **Transplantation** 1987 Jul;44(1):169
Opportunistic strongyloidiasis in renal transplant recipients. Morgan JS, et al. **Transplantation** 1986 Nov;42(5):518–24
Nontyphoid Salmonella infections after renal transplantation. Ocharan-Corcuera J, et al. **Transplantation** 1987 Jul; 44(1):150–1
Renal transplantation in 45 patients with amyloidosis. Pasternack A, et al. **Transplantation** 1986 Dec; 42(6):598–601
Arteriovenous fistula involving a transplant kidney. Pigott JP, et al. **Transplantation** 1987 Jul;44(1):156–7
The impact of diabetes on vascular complications following cadaver renal transplantation. Rao KV, et al. **Transplantation** 1987 Feb;43(2):193–7
Preoperative preparation of high-risk, specifically hyperimmunized canine renal allograft recipients with total-lymphoid irradiation and cyclosporine. Rapaport FT, et al. **Transplantation** 1987 Aug;44(2):185–95
Cell-mediated lympholysis in Kaposi's sarcoma after renal allograft. Report of two cases. Rodríguez SG, et al. **Transplantation** 1986 Dec;42(6):697–9
Thin-layer chromatographic detection of cyclosporine and its metabolites in whole blood using rhodamine B and alpha-cyclodextrin. Roesel TR, et al. **Transplantation** 1987 Feb;43(2):274–81
Increased monocyte Fc-dependent chemiluminescence in renal transplant patients. Rush DN, et al. **Transplantation** 1987 Jun;43(6):874–8
Immunohistochemical study of the cells infiltrating human renal allografts by the ABC and the IGSS method using monoclonal antibodies. Sako H, et al. **Transplantation** 1987 Jul;44(1):43–50
The effect of first cadaver renal transplant HLA-A, B match on sensitization levels and retransplant rates following graft failure. Sanfilippo F, et al. **Transplantation** 1987 Feb; 43(2):240–4
Human immunodeficiency virus transmission by organ donation. Outcome in cornea and kidney recipients. Schwarz A, et al. **Transplantation** 1987 Jul;44(1):21–4
Use of two donor-specific transfusions for living-related donor kidney transplantation. Schweizer RT, et al. **Transplantation** 1986 Nov;42(5):562–4
Antibodies to crossreactive HLA antigens. Evaluation by cytotoxicity, flow cytometry, and inhibition of monoclonal antibody binding. Scornik JC, et al. **Transplantation** 1987 Feb;43(2):235–40
The effect of repeated pregnancies on renal allograft function. Scott JR, et al. **Transplantation** 1986 Dec;42(6):694–5
Adverse effect of splenectomy on the survival of patients with more than one kidney transplant. Shofer FS, et al. **Transplantation** 1986 Nov;42(5):473–8
Blocking antibodies and T cell subsets in long-term survivors of renal allografts. Shohat B, et al. **Transplantation** 1987 Jul;44(1):34–7
Effect of hydergine on cyclosporine-induced nephrotoxicity in a rat kidney transplantation model. Singh SK, et al. **Transplantation** 1987 Apr;43(4):593–5
Sequential antilymphoblast globulin and cyclosporine for renal transplantation. Sommer BG, et al. **Transplantation** 1987 Jan;43(1):85–90
Acute transverse myelitis during disseminated cytomegalovirus infection in a renal transplant recipient. Spitzer PG, et al. **Transplantation** 1987 Jul;44(1):151–3
Regression of left ventricular hypertrophy after renal transplantation. A prospective study. Teruel JL, et al. **Transplantation** 1987 Feb;43(2):307–9
OKT3 treatment of steroid-resistant renal allograft rejection. Thistlethwaite JR Jr, et al. **Transplantation** 1987 Feb; 43(2):176–84
Promotion of incompatible allograft acceptance in rhesus monkeys given posttransplant antithymocyte globulin and donor bone marrow. I. In vivo parameters and immunohistologic evidence suggesting microchimerism. Thomas J, et al. **Transplantation** 1987 Mar;43(3):332–8
Cyclosporine-pretreated renal allografts [letter] Toledo-Pereyra LH. **Transplantation** 1987 Jan;43(1):165–6
Assessment of factors associated with donor-specific sensitization in patients given donor-specific blood transfusions. Vaidya S, et al. **Transplantation** 1986 Dec; 42(6):695–7
Cytomegalovirus infection after renal transplantation. Pulmonary dysfunction measured by decreased diffusing capacity for carbon monoxide in patients with symptomatic and asymptomatic infection. van Son WJ, et al. **Transplantation** 1987 Jul;44(1):149–50
The relevance of pressure changes in transplanted hearts and kidneys in immunosuppressed rats. Vasir BS, et al. **Transplantation** 1987 May;43(5):619–25
The importance of perfusate in 72-hour preservation of canine kidneys. Verkh L, et al. **Transplantation** 1987 Apr; 43(4):586–7
Who should be converted from cyclosporine to conventional immunosuppression in kidney transplantation, and why. Versluis DJ, et al. **Transplantation** 1987 Sep;44(3):387–9
Impairment of the immune response to influenza vaccination in renal transplant recipients by cyclosporine, but not azathioprine. Versluis DJ, et al. **Transplantation** 1986 Oct; 42(4):376–9
CMV infection, class II antigen expression, and human kidney allograft rejection. von Willebrand E, et al. **Transplantation** 1986 Oct;42(4):364–7
The effect of oral metoclopramide on the absorption of cyclosporine. Wadhwa NK, et al. **Transplantation** 1987 Feb; 43(2):211–3
Immunological and clinical observations in diabetic kidney graft recipients pretreated with total-lymphoid irradiation. Waer M, et al. **Transplantation** 1987 Mar;43(3):371–9
Immunohistologic analysis of human renal allograft dysfunction. Waltzer WC, et al. **Transplantation** 1987 Jan; 43(1):100–5
Incidence of cytomegalovirus disease in cyclosporine-treated renal transplant recipients based on donor/recipient pretransplant immunity. Weir MR, et al. **Transplantation** 1987 Feb;43(2):187–93
Nosocomial Legionnaires' disease following renal transplantation. Wilczek H, et al. **Transplantation** 1987 Jun; 43(6):847–51
Evidence of donor-specific cellular suppressor activity in donor-specific cell-mediated lympholysis unresponsiveness in renal transplant patients. Wramner L, et al. **Transplantation** 1987 Sep;44(3):390–5
Acute renal allograft rejection. Comparative value of ultrasound versus magnetic resonance imaging. Yap HK, et al. **Transplantation** 1987 Feb;43(2):249–52
The requirement for the renal transplant to induce allograft unresponsiveness by the combination of extracted histocompatibility antigen and cyclosporine. Yoshimura N, et al. **Transplantation** 1986 Dec;42(6):642–6
Evaluation of proteinuria by two-dimensional polyacrylamide gel electrophoresis after kidney transplantation. Bauer H, et al. **Uremia Invest** 1985–86; 9(2):269–75
Role of ultrasound in renal transplantation. Campatelli A, et al. **Uremia Invest** 1985–86;9(2):287–93
Posttransplantation monitoring of high-density lipoprotein-associated serum amyloid A protein: a new diagnostic aid in the detection of renal allograft rejection. Maury CP, et al. **Uremia Invest** 1985–86;9(2):277–80
Prognosis of renal transplant function by renography with radioactive hippuran. Riccabona G, et al. **Uremia Invest** 1985–86;9(2):281–5
Ultrasonographic diagnosis of vesical leakage in a renal transplant recipient. Rabinovici R, et al. **Urol Radiol** 1986; 8(2):112–3
Intraarterial digital subtraction angiography of renal transplants. Roeren T, et al. **Urol Radiol** 1986;8(2):77–80
Polar infarct in a transplanted kidney: cause of a pseudomass. Sussman SK, et al. **Urol Radiol** 1987;9(1):42–4
Endourologic approach to transplant kidney. Eshghi M, et al. **Urology** 1986 Dec;28(6):504–7
Management of obstruction and resultant complications in transplant kidney by endoscopic and percutaneous techniques. Locke JR, et al. **Urology** 1987 Jul;30(1):43–5
Simultaneous transplant nephrectomy and ipsilateral second graft retransplantation. Samara EN, et al. **Urology** 1987 Feb;29(2):134–6
Renal transplantation in children with oculorenal syndrome. Valadez RA, et al. **Urology** 1987 Aug;30(2):130–2
Lesions in dogs following renal transplantation and immunosuppression. Crowell WA, et al. **Vet Pathol** 1987 Mar;24(2):124–8
Immune haemolysis in a renal transplant recipient due to antibodies with anti-c specificity. Herron R, et al. **Vox Sang** 1986;51(3):226–7
Gm allotyping to determine the origin of the anti-D causing hemolytic anemia in a kidney transplant recipient. Swanson J, et al. **Vox Sang** 1987;52(3):228–30
Pulmonary nocardiosis in a renal transplant patient. Park K, et al. **Yonsei Med J** 1987;28(2):157–61
Monitoring of renal allografts under immunosuppression. Hammer C. **Z Exp Chir Transplant Kunstliche Organe** 1986; 19(6):340–2
Segmental pancreatic transplantation in diabetes mellitus. Tyden G, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(4):232–4
[Our experience with the monitored cyclosporin A treatment of kidney transplant patients] Beleva B, et al. **Khirurgiia (Sofiia)** 1987;40(3):66–70 (Eng. Abstr.) **(Bul)**
[Kidney transplantation—23 years' clinical experience] Beleva B. **Khirurgiia (Sofiia)** 1986;39(4):57–9 (8 ref.) **(Bul)**
[Ultrasonic follow-up of the transplanted kidney] Kumanov Kh, et al. **Khirurgiia (Sofiia)** 1986;39(5):62–5 (Eng. Abstr.) **(Bul)**
[A case of lymphocele in a patient with a transplanted kidney] Stefanov G, et al. **Khirurgiia (Sofiia)** 1987;40(2):50–2 **(Bul)**
[Tuberculosis after renal transplantation] Ma HZ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Oct;9(5):257–9, 317 (Eng. Abstr.) **(Chi)**
[Pregnancy and delivery after kidney transplantation. A case report and review] Wang SR. **Chung Hua Fu Chan Ko Tsa Chih** 1986 May;21(3):142–4, 191 (Eng. Abstr.) **(Chi)**
[Lymph drainage via the thoracic duct in patients undergoing renal transplantation: pre- and postoperative nursing care] Li QS. **Chung Hua Hu Li Tsa Chih** 1986 Aug;21(5):215–6 **(Chi)**
[Use of two new non-depolarizing muscle relaxants in renal transplantation] Chou YP, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Mar;24(1):31–4 (Eng. Abstr.) **(Chi)**
[Urinary infections in nephrostomies performed on transplanted kidneys] Horčičková M, et al. **Cas Lek Cesk** 1987 Feb 6;126(6):166–9 (Eng. Abstr.) **(Cze)**
[The significance of histocompatibility and certain other factors in kidney transplantation] Macurová H, et al. **Cas Lek Cesk** 1986 Oct 17;125(41–42):1266–9 (Eng. Abstr.) **(Cze)**
[Diabetes after transplantation of the pancreas and kidney] Saudek F, et al. **Cas Lek Cesk** 1987 Mar 20;126(12):364–8 (Eng. Abstr.) **(Cze)**
[Glomerular filtration measured by plasma clearance of 169Yb-DTPA in kidney recipients. Comparison with the clearance of inulin, polyfructosan S and creatinine] Stříbrná J, et al. **Cas Lek Cesk** 1986 Aug 22;125(34):1070–2 (Eng. Abstr.) **(Cze)**
[Changes in experimentally allotransplanted kidneys in pigs] Fortýn K, et al. **Cesk Patol** 1987 Mar;23(1):60–5 (Eng. Abstr.) **(Cze)**
[Report on the present state of the dialysis-transplantation program for children and adolescents in Czechoslovakia] Janda J. **Cesk Pediatr** 1987 Apr;42(4):238–9 **(Cze)**
[The incidence of urinary fistulae in 478 renal transplants] Hahn M, et al. **Rozhl Chir** 1986 Nov;65(11):708–13 (Eng. Abstr.) **(Cze)**
[Kidney donor problems. Evaluation of the extent of available cadaver kidneys] Sigh B. **Ugeskr Laeger** 1986 Dec 8; 148(50):3393–5 (Eng. Abstr.) **(Dan)**
[Analytic study of the organ procurement activity over the past 6 years at the University Hospital Center, Bordeaux] Dabadie P, et al. **Agressologie** 1986 Oct;27(9):773–5 (Eng. Abstr.) **(Fre)**
[Present status of kidney transplantation] Lacombe M. **Agressologie** 1986 Oct;27(9):737–9 (Eng. Abstr.) **(Fre)**
[Immunologic factors and renal graft survival] Raffoux C, et al. **Agressologie** 1986 Oct;27(9):741–2 (Eng. Abstr.) **(Fre)**
[Multiple-organ procurement for transplantation] Bricard H, et al. **Ann Fr Anesth Reanim** 1987;6(2):133–41 (Eng. Abstr.) **(Fre)**
[Plasma fluorine during anesthesia with enflurane or isoflurane for kidney transplantation] Richard JP, et al. **Ann Fr Anesth Reanim** 1986;5(4):458–9 **(Fre)**
[Methylprednisolone and plasma exchange in renal allograft rejections] Dechelette E, et al. **Ann Med Interne (Paris)** 1986;137 Suppl:31–5 **(Fre)**
[Malacoplakia and renal transplantation. Report of a case of testicular malacoplakia] Benoit G, et al. **Ann Urol (Paris)** 1986;20(5):337–40 (Eng. Abstr.) **(Fre)**
[Urinary diversions and intestinal grafts in renal transplantation in children. Report of 8 cases] Beurton D, et al. **Ann Urol (Paris)** 1987;21(1):49–51 (Eng. Abstr.) **(Fre)**
[Restoration of urinary tract continuity in a non-functioning bladder after renal transplantation] Frantz P, et al. **Ann Urol (Paris)** 1987;21(2):130–4 (Eng. Abstr.) **(Fre)**
[Hypertension and stenosis of the graft artery: effects of conversion enzyme inhibition] Mourad G, et al. **Arch Mal Coeur** 1986 Jun;79(6):892–5 (Eng. Abstr.) **(Fre)**
[Effect of inhibition of angiotensin converting enzyme on hypertension following kidney transplantation] Ribstein J, et al. **Arch Mal Coeur** 1986 Jun;79(6):929–32 (Eng. Abstr.) **(Fre)**
[Lacrimal hyposecretion and ophthalmologic surveillance of 65 renal transplant patients] Sirbat D, et al. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):163–8 (Eng. Abstr.) **(Fre)**
[Kidney transplantation in the child] Kinnaert P, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1987;124 Spec No:86–9 **(Fre)**
[Removal of multiple organs for transplantation] Duquesnoy O, et al. **Cah Anesthesiol** 1986 Oct;34(6):469–72 **(Fre)**
[Simultaneous aortic prosthesis implantation and renal transplantation] Gianello P, et al. **J Chir (Paris)** 1987 Mar; 124(3):157–60 (Eng. Abstr.) **(Fre)**
[digital angiography via intravenous route in the study of the transplanted kidney artery] Tessier JP, et al. **J Radiol** 1986 Aug–Sep;67(8–9):573–7 (Eng. Abstr.) **(Fre)**
[Use of the intestinal graft in renal transplantation in children and adults] Beurton D, et al. **J Urol (Paris)** 1986; 92(9):605–10 (Eng. Abstr.) **(Fre)**
[Ureteral stenoses after renal transplantation] Canton F, et al. **J Urol (Paris)** 1987;93(3):117–21 (Eng. Abstr.) **(Fre)**
[Stenosis of the renal artery as a cause of acute renal insufficiency after transplantation] Sabbaga E, et al. **J Urol (Paris)** 1986;92(8):553–7 (Eng. Abstr.) **(Fre)**
[Organ transplantation in France in 1984 (activity report of France-Transplant)] Hors J, et al. **Nephrologie** 1986;7(3 Suppl):10–4 (Eng. Abstr.) **(Fre)**

[In blood transfusions before kidney grafts, must we select donors HLA-compatible with the recipient or take donors at random? (letter)] Seignalet J, et al. **Nephrologie** 1986; 7(4):173-4 (Fre)

[Influence of the anti-HLA immunization profile before grafting on the outcome of renal transplant] Busson M, et al. **Pathol Biol (Paris)** 1987 Apr;35(4):357-61 (Eng. Abstr.) (Fre)

[Actual and future organization of kidney transplantation in France] Kreis H. **Presse Med** 1987 Jul 11-18;16(27):1307-9 (Fre)

[Surgical treatment of abdominal aortic aneurysms after renal transplantation] Lacombe M. **Presse Med** 1987 Aug 29-Sep 5;16(28):1369-71 (Eng. Abstr.) (Fre)

[Does the use of ticlopidine in chronic hemodialysed patients contra- indicate renal transplantation? A false problem? (letter)] Moriniere P, et al. **Presse Med** 1986 Oct 4; 15(33):1689 (Fre)

[Candida albicans meningoencephalitis in a kidney-transplant patient (letter)] Paysant B, et al. **Presse Med** 1987 May 30;16(20):1008 (Fre)

[Diagnostic and therapeutic value of monoclonal antibodies in nephrology] Mahieu P, et al. **Rev Med Liege** 1987 May 15;42(10):470-4 (23 ref.) (Fre)

[Combined kidney-pancreas graft in terminal diabetic nephropathy. Report on the first transplantation performed at the University of Liège] Meurisse M, et al. **Rev Med Liege** 1986 Nov 1;41(21):855-63 (Fre)

[Pharmacokinetics of prednisolone in renal transplant patients with or without Cushing's syndrome] Demotes-Mainard F, et al. **Therapie** 1986 Nov-Dec;41(6):449-54 (Eng. Abstr.) (Fre)

[Substitute treatment of end-stage renal insufficiency in Tunisia] el Matri A, et al. **Tunis Med** 1986 May;64(5):445-9 (Eng. Abstr.) (Fre)

[Active enhancement of rat kidney grafts by immunization of the recipients with donor-specific nylon-adherent spleen lymphocytes] Kaden J, et al. **Allerg Immunol (Leipz)** 1986; 32(3):143-51 (Eng. Abstr.) (Ger)

[Progressive spondylolisthesis following kidney transplantation] Engelmann L, et al. **Beitr Orthop Traumatol** 1986 Dec;33(12):588-91 (Eng. Abstr.) (Ger)

[Cytomegalovirus-associated superinfection of the lung following kidney transplantation] Bittner K, et al. **Dtsch Med Wochenschr** 1987 Feb 6;112(6):214-8 (Eng. Abstr.) (Ger)

[HTLV-III antibodies in hemodialysis patients and following kidney transplantation (letter)] Grabensee B, et al. **Dtsch Med Wochenschr** 1986 Oct 10;111(41):1580-1 (Ger)

[Cytomegalovirus hyperimmunoglobulin prophylaxis following kidney transplantation. Results of a prospective randomized study] Grundmann R, et al. **Dtsch Med Wochenschr** 1987 May 22;112(21):827-31 (Eng. Abstr.) (Ger)

[Definition of immunologic risk in kidney transplantation] Lanzer G. **Fortschr Med** 1987 May 30;105(16):309-10 (Eng. Abstr.) (Ger)

[Infantile nephropathic cystinosis: electro-ophthalmologic findings in kidney transplant patients and their mothers] Leipert KP, et al. **Fortschr Ophthalmol** 1987;84(3):287-91 (Eng. Abstr.) (Ger)

[Complicated pregnancy course following kidney transplantation] Panagiotopoulos A, et al. **Geburtshilfe Frauenheilkd** 1986 Oct;46(10):752-3 (Eng. Abstr.) (Ger)

[Kidney transplantation--treatment goal of decompensated kidney failure (previous results)] Greiner C, et al. **Kinderarztl Prax** 1987 Jan;55(1):3-7 (Eng. Abstr.) (Ger)

[Reversible azathioprine associated dysmyeloproliferative syndrome after kidney allotransplantation] Bammatter F, et al. **Klin Wochenschr** 1987 Jul 1;65(13):620-4 (Eng. Abstr.) (Ger)

[Hodgkin's disease following kidney transplantation with cyclosporin A] Görg K, et al. **Klin Wochenschr** 1986 Jul 15;64(14):663-5 (Eng. Abstr.) (Ger)

[Neopterin in the serum and urine in the differential diagnosis of disorders of kidney function following kidney transplantation] Wolf J, et al. **Klin Wochenschr** 1987 Mar 2;65(5):225-31 (Eng. Abstr.) (Ger)

[Solitary kidney and pregnancy] Kremling H. **Med Klin** 1986 Oct 3;81(20):647-9 (Ger)

[Effect of the calcium antagonist diltiazem on acute kidney failure following kidney transplantation. Results of 2 prospective randomized studies] Wagner K, et al. **Med Klin** 1987 Mar 13;82(5):171-7 (Eng. Abstr.) (Ger)

[Alport syndrome, status following kidney transplantation, malabsorption syndrome; multilocular intestinal Kaposi sarcoma] Bachor R, et al. **Pathologe** 1987 Mar;8(2):122-4 (Ger)

[Diagnosis of urine leak after kidney transplantation] Burchert W, et al. **ROFO** 1987 May;146(5):604-6 (Ger)

[Evaluating transplant kidneys: nuclear magnetic resonance tomography in comparison with sonography] Reuther G, et al. **Rontgenblatter** 1987 Jul;40(7):215-21 (Eng. Abstr.) (Ger)

[Immunoadsorption of anti-B antibodies as preparation for an ABO-incompatible kidney transplantation] Aeschbacher B, et al. **Schweiz Med Wochenschr** 1987 May 9; 117(19):716-22 (Eng. Abstr.) (Ger)

[Value of percutaneous diagnosis and therapeutic procedures in obstructive uropathy following kidney transplantation] Beer M, et al. **Urologe [A]** 1987 May;26(3):137-41 (Eng. Abstr.) (Ger)

[Kidney transplantation--internal medicine viewpoints] Fassbinder W. **Verh Dtsch Ges Inn Med** 1986;92:214-23 (Ger)

[Organ transplantation] Pichlmayr R. **Verh Dtsch Ges Inn Med** 1986;92:206-14 (Ger)

[Cyclosporin A as a diabetogenic cofactor] Lanzer G, et al. **Wien Med Wochenschr** 1986 Nov 30;136(21-22):557-9 (Eng. Abstr.) (Ger)

[Experiences in the immunologic supervision of patients after kidney transplantation] Kaden J, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(6):364-6 (Ger)

[State and problems of the HLA serologic DRS with respect to kidney transplantation in East Germany] Richter KV, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986; 19(6):357-60 (Ger)

[Phagocyte chemiluminescence during kidney graft rejection in a dog model] Schödel F, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(6):354-6 (Ger)

[Immunologic characterization of the rejection of the allogenic transplanted kidney in pigs with and without immunosuppression] Werner M, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(5):279-92 (Eng. Abstr.) (Ger)

[Correlation of new DNCB cutaneous tests with the survival rate of transplanted kidneys under cyclosporin A treatment] Westphal E, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(6):361-3 (Ger)

[Incidence and significance of cytomegalovirus infections following kidney transplantation] Gärtner L, et al. **Z Gesamte Hyg** 1986 Oct;32(10):601-3 (Eng. Abstr.) (Ger)

[Experiences with the Port-A-Cath system, a fully implantable central venous access system, in children] Hager J, et al. **Z Kinderchir** 1987 Feb;42(1):36-9 (Eng. Abstr.) (Ger)

[Initial results of tm-PAH studies in children with kidney transplants] Devaux S, et al. **Z Urol Nephrol** 1986 Nov; 79(11):679-83 (Eng. Abstr.) (Ger)

[Results of percutaneous biopsy of kidney transplants. Analysis of 200 successful puncture biopsies] Ditscherlein G, et al. **Z Urol Nephrol** 1986 Nov;79(11):685-90 (Eng. Abstr.) (Ger)

[20 years' experience with kidney transplantation in Stockholm] Groth CG, et al. **Z Urol Nephrol** 1987 Apr; 80(4):197-201 (Eng. Abstr.) (Ger)

[Serologic studies in patients with early transplant failure] Groth J, et al. **Z Urol Nephrol** 1986 Jul;79(7):405-9 (Eng. Abstr.) (Ger)

[In vitro sensitivity of T lymphocytes to theophylline in healthy adults and patients following cadaver kidney allotransplantation] Kaden J, et al. **Z Urol Nephrol** 1986 Nov;79(11):671-7 (Eng. Abstr.) (Ger)

[Kidney autotransplantation] López R, et al. **Z Urol Nephrol** 1987 Apr;80(4):203-7 (Eng. Abstr.) (Ger)

[Effect of iloprost on aggregation behavior in kidney conditioning and changes in iloprost concentration in kidney preservation] Rebmann U, et al. **Z Urol Nephrol** 1986 Dec;79(12):733-8 (Eng. Abstr.) (Ger)

[Preventive use of antibiotics in kidney transplantation] Wilms H, et al. **Z Urol Nephrol** 1986 Oct;79(10):545-8 (Eng. Abstr.) (Ger)

[Biopsy findings in kidney transplants after treatment with cyclosporin A] Nizze H, et al. **Zentralbl Allg Pathol** 1986; 132(5-6):423-33 (Eng. Abstr.) (Ger)

[Rejection nephropathy before and after therapeutic administration of cyclosporin A] Rossmann P, et al. **Zentralbl Allg Pathol** 1986;132(5-6):435-58 (Eng. Abstr.) (Ger)

[Effect of the choice of recipient, surgical technic and logistics on the Zurich results of pancreas transplantation] Baumgartner D, et al. **Zentralbl Chir** 1986;111(23):1450-5 (Eng. Abstr.) (Ger)

[Tubular ultrastructural changes in human kidney allografts] Nádasdy T, et al. **Morphol Igazsagugyi Orv Sz** 1987 Jul; 27(3):219-30 (Eng. Abstr.) (Hun)

[Hematuria of tubular origin in human kidney allografts. Tubulo-interstitial circulation of erythrocytes] Nádasdy T, et al. **Morphol Igazsagugyi Orv Sz** 1987 Jul;27(3):147-57 (Eng. Abstr.) (Hun)

[Cyclosporin A in immunosuppressive therapy of kidney transplants (clinical results in 55 patients)] Dean P, et al. **Chir Ital** 1987 Feb;39(1):62-70 (Eng. Abstr.) (Ita)

[Hyperparathyroidism in patients having undergone a kidney transplant] Prati GF, et al. **Chir Ital** 1987 Feb;39(1):56-61 (Eng. Abstr.) (Ita)

[Pulmonary aspergillosis in patients having undergone a kidney transplant] Nazzari C, et al. **Clin Ter** 1987 May 15;121(3):197-200 (Eng. Abstr.) (Ita)

[Alternaria mycosis in a kidney transplant patient] Aloi FG, et al. **G Ital Dermatol Venereol** 1987 Jan-Feb;122(1-2):35-8 (Eng. Abstr.) (Ita)

[Cyclosporin versus azathioprine] Manganoni AM, et al. **G Ital Dermatol Venereol** 1986 Nov-Dec;121(6):453-5 (Eng. Abstr.) (Ita)

[Effects of cyclosporin on blood gastrin after kidney transplant] Filingeri V, et al. **Minerva Med** 1987 Jun 30; 78(12):831-4 (Eng. Abstr.) (Ita)

[Kidney removal at the Turin Transplant Center] Buzzacchino A, et al. **Minerva Urol Nefrol** 1986 Jul-Sep; 38(3):331-4 (Eng. Abstr.) (Ita)

[Treatment of arterial stenosis of the transplanted kidney with transluminal percutaneous angioplasty] Malfi B, et al. **Minerva Urol Nefrol** 1986 Jul-Sep;38(3):335-9 (Eng. Abstr.) (Ita)

[Echographic monitoring of 80 renal transplants. Critical analysis of signs of graft rejection] Chiesa GM, et al. **Radiol Med (Torino)** 1987 Mar;73(3):208-11 (Eng. Abstr.) (Ita)

[Transplantation in cancer therapy] Satake M, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1181-6 (26 ref.) (Eng. Abstr.) (Jpn)

[Natural cell-mediated cytotoxicity of kidney allograft recipients] Hirabayashi S, et al. **Hinyokika Kiyo** 1987 Apr; 33(4):501-7 (Eng. Abstr.) (Jpn)

[A case of Salmonella prostatitis in a renal transplant patient] Sumii T, et al. **Kansenshogaku Zasshi** 1986 Jun;60(6):624-6 (Eng. Abstr.) (Jpn)

[Anesthetic management of a patient with renal transplantation] Hirabayashi Y, et al. **Masui** 1986 Sep; 35(9):1420-4 (Eng. Abstr.) (Jpn)

[Long-term follow-up study of renal autotransplantation in reno-vascular hypertension] Fukuda M, et al. **Nippon Geka Gakkai Zasshi** 1987 Jun;88(6):761-7 (Eng. Abstr.) (Jpn)

[Vascular surgery of the kidney] Aso Y. **Nippon Hinyokika Gakkai Zasshi** 1986 Dec;77(12):1915-24 (Jpn)

[Factors influencing the outcome of renal transplantation--multivariate analysis of preoperative factors] Mashimo S. **Nippon Hinyokika Gakkai Zasshi** 1986 Aug;77(8):1263-72 (Eng. Abstr.) (Jpn)

[Urinary undiversion using autotransplantation--a case report] Ohshima S, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep;77(9):1524-7 (Eng. Abstr.) (Jpn)

[Renal cell carcinoma of the solitary kidney treated by ex vivo partial nephrectomy with autotransplantation: a case report] Omori K, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Jan;78(1):144-8 (Eng. Abstr.) (Jpn)

[Gastrointestinal bleeding following renal transplantation] Tajima A, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jul;77(7):1115-20 (Eng. Abstr.) (Jpn)

[Experience of kidney transplantation in 350 patients] Takahashi K, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jul;77(7):1188-99 (Eng. Abstr.) (Jpn)

[Study of IgA nephropathy in the transplanted kidney--sequential changes in mesangial IgA deposits found one hour post-transplantation kidney biopsies] Sugiyama S, et al. **Nippon Jinzo Gakkai Shi** 1986 Jun; 28(6):729-37 (Eng. Abstr.) (Jpn)

[Improvement of polycythemia and renin-dependent hypertension of a renal transplant patient after removal of bilateral native kidneys: a case report] Hasunuma K, et al. **Nippon Naika Gakkai Zasshi** 1986 Aug;75(8):1136-40 (Jpn)

[Renal transplantation] Inou T. **Nippon Rinsho** 1987 Jun; 45(6):1346-53 (Jpn)

[Legislation related to the management of kidney failure] Kusakari T. **Nippon Rinsho** 1987 Jun;45(6):1361-71 (Jpn)

[Role of ultrasonic examination in the diagnosis of lesions of the transplanted kidney] Jakubowski W, et al. **Pol Przegl Radiol (Warszawa)** 1986 Mar-Apr;50(2):112-6 (Eng. Abstr.) (Pol)

[Arterial hypertension in patients after kidney transplantation] Dulawa J, et al. **Pol Tyg Lek** 1986 Dec 1;41(48):1533-6 (20 ref.) (Pol)

[Calculi in the transplanted kidney] Rutkowski B, et al. **Pol Tyg Lek** 1986 Sep 29;41(39):1253-5 (Eng. Abstr.) (Pol)

[Initial 2-year results of the treatment of patients after kidney transplantation at the Szczecin center] Lapis J, et al. **Wiad Lek** 1987 Mar 15;40(6):428-31 (Eng. Abstr.) (Pol)

[Course of recurrence of focal and segmental glomerulosclerosis after renal transplantation] David Neto E, et al. **AMB** 1986 Jul-Aug;32(7-8):127-30 (Eng. Abstr.) (Por)

[Comparative study of penile arterial pressure and sexual potency in patients subjected to single or multiple renal transplantation] Arap S, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Jan-Feb;41(1):36-8 (Eng. Abstr.) (Por)

[Urinary infection after transplantation: prevalence, predisposing factors and morbidity] Ianhez LE, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Jan-Feb;41(1):16-9 (Eng. Abstr.) (Por)

[Loss of renal function caused by urinary infection after renal transplantation] Ianhez LE, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Jan-Feb;41(1):11-5 (Eng. Abstr.) (Por)

[Cyclosporin] Ianhez LE, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Jan-Feb; 41(1):49-52 (31 ref.) (Por)

[Ureterovesical implantation with invagination in the repair of the urinary tract in homologous renal transplants. Experience with 250 cases] Pompeo AC, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Jan-Feb;41(1):20-3

(Eng. Abstr.) (Por)
[Presence of cross-reacting HLA-antigens in a donor-recipient pair and viability of the renal allograft] Drannik GN, et al. **Gematol Transfuziol** 1987 Jan;32(1):43–6 (Eng. Abstr.) (Rus)
[Analysis of the causes of unsuccessful outcome of human cadaver kidney allografts] Ivanov AE. **Sov Med** 1987;(3):86–92 (Rus)
[The regional principle in the organization of the work of a kidney transplantation center] Potashov LV, et al. **Sov Med** 1987;(6):51–2 (Rus)
[Risk factors and results in kidney transplantation] Filiptsev PIa, et al. **Ter Arkh** 1986;58(8):87–9 (Eng. Abstr.) (Rus)
[Determination of the enzyme activity of the blood serum in the diagnosis of liver diseases in patients following a kidney transplant] Jung K, et al. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):47–9 (Eng. Abstr.) (Rus)
[Treatment of urinary fistula after kidney transplantation] Rozental' RL, et al. **Urol Nefrol (Mosk)** 1986 Sep–Oct;(5):56–8 (Eng. Abstr.) (Rus)
[Clinical significance of antibodies reacting with the endothelium of peritubular capillaries in patients with chronic renal failure and after alliotransplantation of a cadaveric kidney] Shabanova LN. **Urol Nefrol (Mosk)** 1987 May–Jun;(3):22–5 (Eng. Abstr.) (Rus)
[Experience with 800 kidney allograft operations] Petrovskiĭ BV, et al. **Vestn Akad Med Nauk SSSR** 1987;(5):9–16 (Eng. Abstr.) (Rus)
[Hypertension syndrome in kidney transplantation] Belorusov OS, et al. **Vestn Khir** 1986 Jul;137(7):112–6 (Eng. Abstr.) (Rus)
[Means for decreasing the incidence of postoperative tubular necrosis in kidney transplants] Rozental' RL, et al. **Vestn Khir** 1987 Apr;138(4):33–6 (Eng. Abstr.) (Rus)
[Use of DIP-02 dialyzers in preparing patients for a kidney allograft] Baran EIa, et al. **Vrach Delo** 1986 Oct;(10):53–5 (Eng. Abstr.) (Rus)
[20 years' worldwide experience in kidney transplantation in children] Popović-Rolović M, et al. **Srp Arh Celok Lek** 1986 Nov-Dec;114(11–12):1083–95 (Eng. Abstr.) (Scc)
[Kidney transplantation in children—report on the first 3 patients treated at the Pediatric Clinic in Belgrade] Popović-Rolović M, et al. **Srp Arh Celok Lek** 1986 Nov–Dec;114(11–12):1055–68 (Eng. Abstr.) (Scc)
[The postoperative course and kidney rejection] Bošković S, et al. **Acta Chir Iugosl** 1986;33(1):103–24 (Eng. Abstr.) (Scr)
[Vascular complications in renal transplant] Berenguer A, et al. **Actas Urol Esp** 1986 Sep–Oct;10(5):319–24 (Eng. Abstr.) (Spa)
[Renal venous hilar anatomy. Apropos of 110 nephrectomies for transplantation] Gelabert i Mas A, et al. **Actas Urol Esp** 1987 Mar–Apr;11(2):172–5 (Eng. Abstr.) (Spa)
[Renal transplant. Ureteral fistula. Treatment by percutaneous nephrostomy] Mohamed Mohamed Abdallah Z, et al. **Actas Urol Esp** 1987 Jan–Feb;11(1):101–4 (Eng. Abstr.) (Spa)
[Kidney autotransplant apropos of a case] Pedemonte Vives J, et al. **Actas Urol Esp** 1987 Jan–Feb;11(1):115–8 (Eng. Abstr.) (Spa)
[Urologic complications in 60 renal transplants] Requena Tapia MJ, et al. **Actas Urol Esp** 1986 Sep–Oct;10(5):325–30 (Eng. Abstr.) (Spa)
[Renal transplant. Experience in 320 cases] Gutiérrez-Carreño R, et al. **Angiologia** 1986 Nov–Dec; 38(6):320–6 (Eng. Abstr.) (Spa)
[Endo-urology in renal transplantation] Berenguer A, et al. **Arch Esp Urol** 1986 Sep;39 Suppl 2:215–8 (Eng. Abstr.) (Spa)
[Endo-urologic technics in the treatment of complications of renal transplantation] González Martín M, et al. **Arch Esp Urol** 1986 Sep;39 Suppl 2:205–14 (Eng. Abstr.) (Spa)
[Relative influence of the variables associated with kidney transplants from cadavers] Robles García JE, et al. **Arch Esp Urol** 1986 Nov–Dec;39(9):599–608 (Eng. Abstr.) (Spa)
[Induction of long-term tolerance by cyclosporine in orthotopic kidney allografts in rats] Rodríguez J, et al. **Arch Esp Urol** 1987 May;40(4):235–40 (Eng. Abstr.) (Spa)
[Coronary revascularization in uremic diabetic patients under chronic hemodialysis] Espinoza F, et al. **Arch Inst Cardiol Mex** 1987 Jan–Feb;57(1):45–50 (Eng. Abstr.) (Spa)
[Disappearance of mesangial IgA deposits in the kidneys from 2 donors after transplantation (letter)] de las Cuevas Bou X, et al. **Med Clin (Barc)** 1986 Sep 20;87(8):350 (Spa)
[Reconsideration of plasmapheresis treatment of renal post-transplant recurrence of segmental and focal hyalinosis (letter)] Franco A, et al. **Med Clin (Barc)** 1987 Jun 27;89(5):219 (Spa)
[Renal post-transplant recurrence of segmental and focal hyalinosis. Its treatment with plasmapheresis (letter)] Pérez García R, et al. **Med Clin (Barc)** 1986 Nov 8;87(15):651 (Spa)
[Hypothermia, shock and coagulation disorders in a kidney transplant (clinical conference)] **Medicina (B Aires)** 1986; 46(6):729–38 (Spa)
[Cyclosporin A: a new immunosuppressive agent in renal transplantation] Martín RS, et al. **Medicina (B Aires)** 1985; 45(6):675–86 (37 ref.) (Spa)
[Fine needle aspiration puncture and renal puncture biopsy as complementary methods in the monitoring of renal transplantation] Rodríguez SG, et al. **Medicina (B Aires)** 1985;45(4):455–60 (Eng. Abstr.) (Spa)
[Relation between urinary tract infections and reversible rejection episodes in renal transplantation] Rodríguez SG, et al. **Medicina (B Aires)** 1986;46(1):31–4 (Eng. Abstr.) (Spa)
[Intestinal hemorrhage due to tuberculosis in a patient with a kidney transplant] Wainsztein N, et al. **Medicina (B Aires)** 1985;45(6):663–6 (Eng. Abstr.) (Spa)
[Values of various immunologic parameters in kidney transplants] Kreisler JM, et al. **Rev Clin Esp** 1987 Jun; 181(2):107–13 (Eng. Abstr.) (Spa)
[Long analgesic duration of epidural morphine in a single dose in the postoperative period in renal transplants (letter)] Blanco E, et al. **Rev Esp Anestesiol Reanim** 1987 Jan–Feb; 34(1):73–4 (Spa)
[Resuscitation in kidney donors] Cardona J, et al. **Rev Esp Anestesiol Reanim** 1986 Sep–Oct;33(5):303–8 (Eng. Abstr.) (Spa)
[Anesthesia in renal transplantation] Gonsálvez A, et al. **Rev Esp Anestesiol Reanim** 1986 Nov–Dec;33(6):395–400 (Eng. Abstr.) (Spa)
[Methanol poisoning and renal transplant (letter)] Zavala E, et al. **Rev Esp Anestesiol Reanim** 1986 Sep–Oct;33(5):373 (Spa)
[Isotopic evaluation of renal transplantation and its complications in 36 patients] Pruzzo R, et al. **Rev Med Chil** 1986 Jun;114(6):541–5 (Eng. Abstr.) (Spa)
[Renal transplantation. Clinical aspects] Espinosa NR. **Rev Med Panama** 1986 Sep;11(3):171–6 (Eng. Abstr.) (Spa)
[Is cerebral angiography of organ donors dangerous in kidney transplantation?] Weibull H, et al. **Lakartidningen** 1987 Jan 14;84(3):128–9 (Swe)

ULTRASTRUCTURE

Ultrastructural localization of the membrane attack complex of complement in human renal tissues. Falk RJ, et al. **Am J Kidney Dis** 1987 Feb;9(2):121–8
Renal lesions in plasma cell dyscrasias: ultrastructural observations. Pirani CL, et al. **Am J Kidney Dis** 1987 Sep; 10(3):208–21
Renal ultrastructural markers in AIDS-associated nephropathy. Chander P, et al. **Am J Pathol** 1987 Mar; 126(3):513–26
The elasmobranch renal corpuscle: fine structure of Bowman's capsule and the glomerular capillary wall. Lacy ER, et al. **Anat Rec** 1987 Jul;218(3):294–305
Lectin histochemistry and ultrastructure of kidneys from patients with I-cell disease. Castagnaro M, et al. **Arch Pathol Lab Med** 1987 Mar;111(3):285–90
(Na+ +K+)-ATPase activity in kidney basolateral membranes of non insulin dependent diabetic rats. Levy J, et al. **Biochem Biophys Res Commun** 1986 Sep 30; 139(3):1313–9
Age related changes in fluidity of rat renal brushborder membrane vesicles. Medow MS, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):849–56
Subcellular localization and properties of cytochrome P-450 and UDP glucuronosyltransferase in the rainbow trout kidney. Pesonen M, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):823–9
Mechanism of coupling between Cl- and OH- transport in renal brush-border membranes. Ives HE, et al. **Biochim Biophys Acta** 1986 Dec 1;863(1):91–100
Inactivation of atrial natriuretic factor by the renal brush border. Olins GM, et al. **Biochim Biophys Acta** 1987 Jul 10;901(1):97–100
Heterogeneity of the podocyte membrane in rat kidney as revealed by ethanol dehydration of unosmicated specimens. Sakai T, et al. **Cell Tissue Res** 1986;246(1):145–51
Acute glomerulonephritis: three episodes demonstrated by light and electron microscopy, and immunofluorescence studies—a case report. Velhote V, et al. **Clin Nephrol** 1986 Dec;26(6):307–10
Effect of thyroid hormone on peroxisomal flavin enzymes in rat liver and kidney. Ichikawa K, et al. **Endocrinol Jpn** 1987 Apr;34(2):245–50
An electron microscopic examination of age-related changes in the rat kidney: the influence of diet. Hayashida M, et al. **Exp Gerontol** 1986;21(6):535–53
Prazosin-induced alterations in renal alpha-adrenergic receptor function. Jeffries WB, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III125–9
Isolation and partial characterization of an amphiphilic 56-kDa fatty acid binding protein from rat renal basolateral membrane. Fujii S, et al. **J Biochem (Tokyo)** 1987 Mar; 101(3):679–84
Purification and characterization of a divalent cation-independent, spermine-stimulated protein phosphatase from bovine kidney mitochondria. Damuni Z, et al. **J Biol Chem** 1987 Apr 15;262(11):5133–8
Purification and properties of the catalytic subunit of the branched-chain alpha-keto acid dehydrogenase phosphatase from bovine kidney mitochondria. Damuni Z, et al. **J Biol Chem** 1987 Apr 15;262(11):5129–32
Mechanism of calcium potentiation of oxygen free radical injury to renal mitochondria. A model for post-ischemic and toxic mitochondrial damage. Malis CD, et al. **J Biol Chem** 1986 Oct 25;261(30):14201–8
Nephritogenic antigen determinants in epidermal and renal basement membranes of kindreds with Alport-type familial nephritis. Kashtan C, et al. **J Clin Invest** 1986 Oct; 78(4):1035–44
An ultrastructural study of the kidney of normal, copper poisoned and thiomolybdate-treated sheep. Gooneratne SR, et al. **J Comp Pathol** 1986 Nov;96(6):593–612
Ultrastructural localization of arylsulfatase C activity in rat kidney. Kawano J, et al. **J Histochem Cytochem** 1987 May; 35(5):523–30
Immunocytochemical localization of D-amino acid oxidase in the central clear matrix of rat kidney peroxisomes. Usuda N, et al. **J Histochem Cytochem** 1986 Dec;34(12):1709–18
Developments of new Lowicryl resins for embedding biological specimens at even lower temperatures. Acetarin JD, et al. **J Microsc** 1986 Jul;143 (Pt 1):81–8
Effect of sulfhydryl reagents on tetraethylammonium transport in rat renal brush border membranes. Hori R, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):1010–6
Tetraethylammonium transport in renal brush border membrane vesicles of the rabbit. Rafizadeh C, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):308–13
Tetramine dichloro-palladium subcellular localization in the kidney: electron microprobe study. Berry JP. **J Submicrosc Cytol** 1987 Jan;19(1):53–6
Multilocular cystic nephroma in an adult: immunohistochemical study. Aoyagi T, et al. **J Urol** 1987 Aug;138(2):397–9
Morphological aspects of renin synthesis, processing, storage, and secretion. Lindop GB. **Kidney Int [Suppl]** 1987 May; 20:S18–24 (48 ref.)
Atypical nucleosome spacing of rat neuronal identifier elements in non-neuronal chromatin. Brown IR, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3563–71
Electron microscopic study of pyelointerstitial reflux scars. Laberke HG. **Pathol Res Pract** 1987 Jun;182(3):368–80
Protein aggregates in extracorporally perfused rabbit kidneys. Rossmann P, et al. **Pathol Res Pract** 1987 Feb;182(1):11–22
Ultrastructural study of ochratoxicosis in quail (Coturnix coturnix japonica). Maxwell MH, et al. **Res Vet Sci** 1987 Mar;42(2):228–31
Quantitative vascular casting of the post-ischemic hydronephrotic kidney. Gattone VH 2d, et al. **Scan Electron Microsc** 1986;(Pt 2):549–56
Scanning electron microscopy of kidney cells in culture: surface features of polarized epithelia. McAteer JA, et al. **Scan Electron Microsc** 1986;(Pt 3):1135–50
Beam voltage effects in the study of embedded biological materials by secondary electron detectors. Scala C, et al. **Scan Electron Microsc** 1986;(Pt 3):987–98
Light and electron microscopic changes in the kidney of Wistar rats following treatment with cyclosporine A. Fasel J, et al. **Ultrastruct Pathol** 1987;11(4):435–48
[Ultrastructural changes in the kidneys and lungs in dynamic autolysis as an index of the time of death] Mitin KS, et al. **Sud Med Ekspert** 1986 Jul–Sep;29(3):8–11 (Eng. Abstr.) (Rus)
[Assessment of mitochondrial function in the surviving cytoplasts of cultured cells of pig embryonic kidney by using ethylrhodamine] Neverova ME, et al. **Tsitologiia** 1986 Nov;28(11):1246–9 (Eng. Abstr.) (Rus)

KIDNEY, ARTIFICIAL

see related
HEMODIALYSIS
PERITONEAL DIALYSIS

Dialyzable drugs. Nova G. **Am J Nurs** 1987 Jul;87(7):933–42
Comparison of four methods of cleaning hollow-fiber dialyzers for reuse. Dennis MB Jr, et al. **Artif Organs** 1986 Dec;10(6):448–51
Dialyzer membranes: effect of surface area and chemical modification of cellulose on complement and platelet activation. Mahiout A, et al. **Artif Organs** 1987 Apr; 11(2):149–54
Improved biocompatibility of dialyzers by reduced membrane surface area. Vienken J, et al. **Artif Organs** 1987 Jun;11(3):272–3
A bag-filter model of a new prêt à porter artificial kidney. Bazzato G, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):123–6
Macromolecular charge affects hemofilter solute sieving. Leypoldt JK, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):384–7
Continuous arterio-venous hemofiltration in a wearable device to treat end-stage renal disease. Murisasco A, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):567–71
PTFE-silicone self-sealing dialysis prosthesis. Schanzer H, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):297–9
Cuprophan membrane induces interleukin-1 activity. Yamagami S, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):98–101
Animal models to study the cardiopulmonary effects of artificial kidney membranes. Cheung AK. **Blood Purif** 1987; 5(2–3):155–61
Effect of RenNew-D as a sterilant on the performance of reused dialyzers. Gagnon RF, et al. **Clin Nephrol** 1986 Dec; 26(6):297–302
Preliminary technical and clinical evaluation of a new hollow fiber dialyzer with a 5 microns thick cuprophan membrane. Ronco C, et al. **Clin Nephrol** 1986;26 Suppl 1:S17–21
Improvement of dialyzer compatibility by reduction of

membrane surface area. Schaefer RM, et al. **Clin Nephrol** 1986;26 Suppl 1:S35–8

Research on dialyzers with improved biocompatibility. van der Steen A. **Clin Nephrol** 1986;26 Suppl 1:S39–42

Biomaterials and biocompatibility in hemodialysis. Klinkmann H, et al. **Contrib Nephrol** 1987;55:231–49 (45 ref.)

Influence of dialysis membranes on the convective transport of middle molecules. De Francisco AL, et al. **Int J Artif Organs** 1986 Nov;9(6):421–6

Increased sensitivity of residual formaldehyde testing in reused dialysers [letter] Stragier A, et al. **Int J Artif Organs** 1986 Jul;9(4):277

Evaluation of the Gambro Lundia Major 1.36 m2 disposable parallel plate dialyzer. Dziukas LJ, et al. **J Dial** 1979; 3(4):309–25

No change in corrected beta 2-microglobulin concentration after cuprophane haemodialysis [letter] Bergström J, et al. **Lancet** 1987 Mar 14;1(8533):628–9

Prostacyclin and heparin during haemodialysis: comparative effects. Camici M, et al. **Life Support Syst** 1986 Jul–Sep; 4(3):205–9

Aluminium release from the Sorbsystem D–3160 and D–3260 cartridges. Drury PJ, et al. **Life Support Syst** 1986 Jul–Sep; 4(3):211–9

Heparin responses and kinetic evaluations in cuprophan and polyacrylonitril haemodialysis. Mauri JM, et al. **Life Support Syst** 1987 Jan–Mar;5(1):13–7

The Doonan effect in artificial kidney therapy. Stiller S, et al. **Life Support Syst** 1986 Oct–Dec;4(4):305–18

FDA evaluates policy on disposable dialysis device reuse. Villforth JC, et al. **Med Instrum** 1987 Apr;21(2):107–8

Silicone-induced hypercalcaemia in haemodialysis patients. Altmann P, et al. **Nephrol Dial Transplant** 1987;2(1):26–9

Determinants of plasma beta 2 microglobulin concentration: possible relation to membrane biocompatibility. Bommer J, et al. **Nephrol Dial Transplant** 1987;2(1):22–5

Haemodialysis with low MW heparin: dosage requirements for the elimination of extracorporeal fibrin formation. Lane DA, et al. **Nephrol Dial Transplant** 1986;1(3):179–87

Varying methods of sterilisation, and their effects on the structure and permeability of dialysis membranes. Takesawa S, et al. **Nephrol Dial Transplant** 1987;1(4):254–7

Plasma levels of main granulocyte components in patients dialyzed with polycarbonate and cuprophan membranes. Hörl WH, et al. **Nephron** 1987;45(4):272–6

Serum angiotensin-converting enzyme during haemodialysis: effect of membrane biocompatibility [letter] Maher ER, et al. **Nephron** 1987;45(4):328

Exposure of patients to phthalates from polyvinyl chloride tubes and bags during dialysis. Nässberger L, et al. **Nephron** 1987;45(4):286–90

Continuous renal prosthetic therapy in acute renal failure: an overview. Paganini EP. **Pediatr Clin North Am** 1987 Feb;34(1):165–85

Biocompatibility of hemodialysis using cuprophane membranes. Rommes JH, et al. **Vet Hum Toxicol** 1987 Aug; 29(4):293–9

[Clinical testing of the Bulgarian Diamex dialyzers] Antonov S, et al. **Vutr Boles** 1986;25(3):63–8 (Eng. Abstr.) **(Bul)**

[Findings on dialysis membranes and changes in the peripheral blood picture during hemodialysis] Dušek J, et al. **Vnitr Lek** 1987 May;33(5):443–52 (Eng. Abstr.) **(Cze)**

[Studies of the possibility of multiple use of capillary dialyzers. II. Effectiveness of the elimination of urea and creatinine] Szepietowski T, et al. **Polim Med** 1986; 16(3–4):123–35 (Eng. Abstr.) **(Pol)**

[Systemic reaction of leukocytes after contact between the blood and the cuprofan membrane of dialyzer DIP-O2-O2] Iarmolinskil IS, et al. **Urol Nefrol (Mosk)** 1987 Jan–Feb; (1):43–5 (Eng. Abstr.) **(Rus)**

[Hemodiafiltration using a polysulfone membrane, its ultrafiltration characteristics and biocompatibility] Iarmolinskil IS, et al. **Urol Nefrol (Mosk)** 1987 Mar–Apr; (2):45–9 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the dialysers used by patients with chronic kidney failure under hemodialysis treatment] Neimark MI. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):49–51 (Eng. Abstr.) **(Rus)**

[Use of DIP-02 dialyzers in preparing patients for a kidney allograft] Baran Ela, et al. **Vrach Delo** 1986 Oct;(10):53–5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

The safety of di(2-ethylhexyl) phthalate in patients receiving hemodialysis treatment [letter] Blumenthal F, et al. **JAMA** 1986 Nov 28;256(20):2817–8

HISTORY

A Canadian giant: Dr. Gordon Murray and the artificial kidney. Clarke W. **Can Med Assoc J** 1987 Aug 1; 137(3):246–8

UTILIZATION

Dialyzer reuse following manual reprocessing with a new sterilant, RenNew–D. Gagnon R, et al. **Artif Organs** 1987 Apr;11(2):132–6

Influence of reuse and of reuse sterilants on the first-use syndrome. Vanholder R, et al. **Artif Organs** 1987 Apr; 11(2):137–9

KIDNEY BEAN LECTINS see **PHYTOHEMAGGLUTININS**

KIDNEY CALCULI

Some features of paediatric urolithiasis in a group of Syrian children. Hadidy S, et al. **Int Urol Nephrol** 1987;19(1):3–8

Ammonium urate urinary stones. Klohn M, et al. **Urol Res** 1986;14(6):315–8

ANALYSIS

A mutant adenine phosphoribosyltransferase in 2,8-dihydroxyadenine urolithiasis. Nishida Y, et al. **Arch Intern Med** 1986 Oct;146(10):2068–70

Triamterene and renal stone formation: the influence of triamterene and triamterene stones on calcium oxalate crystallization. White DJ, et al. **Calcif Tissue Int** 1987 Feb; 40(2):79–84

Stone formation in human kidney. Hering F, et al. **Urol Res** 1987;15(2):67–73

Biochemical risk factors in patients with renal staghorn stone disease. Wall I, et al. **Urology** 1986 Nov;28(5):377–80

[Composition and structure of renal calculi expelled spontaneously in an external urology service] Rodríguez-Miñón Cifuentes J, et al. **Rev Clin Esp** 1986 Oct;179(5):243–7 (Eng. Abstr.) **(Spa)**

[Incidence of drug lithiasis in 1500 cases of renal calculi] Traba ML, et al. **Rev Clin Esp** 1986 Dec;179(9):447–50 **(Spa)**

BLOOD

Studies on circadian periodicity of serum and urinary urate in healthy Indians and renal stone formers. Singh RK, et al. **Prog Clin Biol Res** 1987;227B:305–13

[Calcitonin and glucagon secretion in active nephrolithiasis] Kuczera M, et al. **Z Gesamte Inn Med** 1987 Apr 15; 42(8):209–12 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Induced precipitation of calcium-oxalate crystals and its prevention in laboratory animals. Götz F, et al. **Int Urol Nephrol** 1986;18(4):363–8

Piridoxilate-induced calcium oxalate calculi: a new drug-induced metabolic nephrolithiasis. Daudon M, et al. **J Urol** 1987 Aug;138(2):258–61

Nephrolithiasis from calcium supplementation [editorial] Pak CY, et al. **J Urol** 1987 Jun;137(6):1212–3

[Drug-induced lithiasis. Triamterene calculus] Conte A, et al. **Actas Urol Esp** 1987 Mar–Apr;11(2):232–5 (Eng. Abstr.) **(Spa)**

[Porphyrins in triamterene calculi] Traba ML, et al. **Arch Esp Urol** 1987 Mar;40(2):105–6 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Anuria due to bilateral cystine urolithiasis in an infant. Martini A, et al. **Helv Paediatr Acta** 1987 Mar;41(6):545–7

Post hoc, ergo propter hoc. Kassirer JP, et al. **Hosp Pract [Off]** 1987 Jul 15;22(7):69–73

Milk of calcium renal stone and renal pelvic cancer associated with hydronephrosis. Hase A, et al. **Jpn J Med** 1986 Aug; 25(3):301–5

Nonsteroidal anti-inflammatory drugs as risk factor for renal failure from acute uric acid nephropathy. Albertazzi A, et al. **Nephron** 1987;46(1):98

Genitourinary complications of inflammatory bowel disease. Banner MP. **Radiol Clin North Am** 1987 Jan;25(1):199–209

Clinical experience with low dosage of propionohydroxamic acid (PHA) in infected renal stones. Martelli A, et al. **Urology** 1986 Nov;28(5):373–5

Anatomical diagnosis of back pain [letter] Kirk AA. **Va Med** 1987 Mar;114(3):134

[Transitional cell carcinoma developed in association with renal stone and ureter catheter: report of two cases] Yamaguchi K, et al. **Hinyokika Kiyo** 1986 Jun;32(6):847–52 (Eng. Abstr.) **(Jpn)**

[Chronic renal failure in calculous pyelonephritis in young children] Raupov AR, et al. **Pediatriia** 1987;(5):49–52 **(Rus)**

[Microcirculatory and hemostatic disorders in calculous pyelonephritis patients] Neimark AI, et al. **Ter Arkh** 1986; 58(8):23–7 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Appendicular calculi masquerading as renal calculi. Adab FA. **Br J Urol** 1987 May;59(5):477

Ultrasonic imaging during renal surgery for calculi. Sigel B, et al. **J Belge Radiol** 1986;69(1):33–5

MR imaging of milk of calcium renal cyst. Kinard RE, et al. **J Comput Assist Tomogr** 1986 Nov–Dec;10(6):1057–9

Ultrasound and the diagnosis of renal and ureteral calculi. Diament MJ, et al. **J Pediatr** 1986 Dec;109(6):980–3

PICA/burden: a staging system for upper tract urinary stones. Griffith DP, et al. **J Urol** 1987 Aug;138(2):253–7

Ultrasonographic diagnosis of renal stones. Juul N, et al. **Scand J Urol Nephrol** 1987;21(2):135–7

Assessment of difficult renal stones. Foo KT. **Singapore Med J** 1986 Dec;27(6):507–11

[Potentials of echography for diagnosing x-ray-negative calculi] Krüsteva R, et al. **Vutr Boles** 1987;26(1):18–21 (Eng. Abstr.) **(Bul)**

[Diagnostic and therapeutic percutaneous endoscopy in lithiasis of the upper excretory tract] Korth K. **Rev Med Suisse Romande** 1986 Sep;106(9):857–60 **(Fre)**

[Sonographic diagnosis of kidney calculi—comparative study of ultrasound, excretory urography and computer tomography in 310 patients] Becker-Gaab C, et al. **Digitale Bilddiagn** 1986 Sep;6(3):128–34 (Eng. Abstr.) **(Ger)**

[Primary oxalosis in adulthood. Scintigraphic and radiologic documentation of oxalosis nephropathy, oxalosis arthro-/enthesiopathy and oxalosis cardiomyopathy—review of the literature] Reichelt HG. **Radiologe** 1987 Jan;27(1):29–35 (Eng. Abstr.) **(Ger)**

[Comprehensive intraoperative bacteriological diagnosis of calculous pyelonephritis] Shabad AL, et al. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):17–22 (Eng. Abstr.) **(Rus)**

[Perioperative endoscopy of the upper urinary tract] Mangin P. **Arch Esp Urol** 1986 Sep;39 Suppl 1:49–64 (Eng. Abstr.) **(Spa)**

DIET THERAPY

Rice-bran treatment for calcium stone formers with idiopathic hypercalciuria. Ebisuno S, et al. **Br J Urol** 1986 Dec;58(6):592–5

DRUG THERAPY

Hypercoagulability produced by treatment with acetohydroxamic acid. Rodman JS, et al. **Clin Pharmacol Ther** 1987 Sep;42(3):346–50

Medical treatment of renal calculi. Surian M, et al. **Contrib Nephrol** 1987;55:81–91 (27 ref.)

Van Sonnenberg sump hemiacidrin dissolution of staghorn calculi. Mariani AJ, et al. **Hawaii Med J** 1986 Sep; 45(9):311–5

Another option for kidney stone removal [news] Goldsmith MF. **JAMA** 1987 Sep 11;258(10):1284

Successful management of uric acid nephrolithiasis with potassium citrate. Pak CY, et al. **Kidney Int** 1986 Sep; 30(3):422–8

Citrate and renal calculi. Pak CY. **Miner Electrolyte Metab** 1987;13(4):257–66 (36 ref.)

Effect of chronic administration of ammonium sulfate on phosphatic stone recurrence. Pizzarelli F, et al. **Nephron** 1987;46(3):247–52

Propionhydroxamic acid in the treatment of infected complex renal calculosis. Di Silverio F, et al. **Panminerva Med** 1987 Apr–Jun;29(2):169–74

Pharmacologic treatment of calcium calculi. Preminger GM. **Urol Clin North Am** 1987 May;14(2):325–33

[Local treatment of obstructive uric acid calculi] Laville M, et al. **Nephrologie** 1987;8(2):59–63 (Eng. Abstr.) **(Fre)**

[Pyridoxine can normalize oxaluria in idiopathic renal lithiasis] Jaeger P, et al. **Schweiz Med Wochenschr** 1986 Dec 13;116(50):1783–6 (Eng. Abstr.) **(Fre)**

[Effect of an allopurinol/benzbromaron preparation on the composition of urine in a circadian course] Hesse A, et al. **Klin Wochenschr** 1987 Mar 2;65(5):218–24 (Eng. Abstr.) **(Ger)**

[Diclofenac-Na—an alternative treatment possibility in therapy-resistant calcium oxalate urolithiasis?] Brundig P, et al. **Urologe [A]** 1986 Jul;25(4):204–8 (Eng. Abstr.) **(Ger)**

[Urinary excretion of magnesium in recurrent calcic nephrolithiasis. Evaluation on different dietary regimens] Tizzani A, et al. **Minerva Urol Nefrol** 1987 Jan–Mar; 39(1):13–7 (Eng. Abstr.) **(Ita)**

[Acetohydroxamic acid in the treatment of kidney calculi caused by an infection with urease-producing microorganisms] Lorenz J, et al. **Pol Tyg Lek** 1987 May 4;42(18):541–3 **(Pol)**

ENZYMOLOGY

Alterations in RBC lactate dehydrogenase isoenzyme pattern in calcium oxalate stone formers. Selvam R, et al. **Indian J Biochem Biophys** 1986 Oct;23(5):299–301

[A case of 2,8-dihydroxy adenine renal stones with familial inheritance of partial deficiency of adenine phosphoribosyltransferase] Hirano S, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jul;77(7):1200–6 (Eng. Abstr.) **(Jpn)**

[Clinico-biochemical and morphological changes in obstructive calculous pyelonephritis in children] Akylbaev DD, et al. **Vestn Khir** 1986 Oct;137(10):86–8 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Nephrolithiasis in pregnancy. Maikranz P, et al. **Am J Kidney Dis** 1987 Apr;9(4):354–8 (24 ref.)

Predicting renal calculus occurrence in spinal cord injury patients. DeVivo MJ, et al. **Arch Phys Med Rehabil** 1986 Oct;67(10):722–5

Risk factors for renal stone formation in patients with spinal cord injury. Kohli A, et al. **Br J Urol** 1986 Dec; 58(6):588–91

Renal calculi in the burned child. Waymack JP, et al. **Burns Incl Therm Inj** 1987 Jun;13(3):190–3

Chemical factors important to calcium nephrolithiasis: evidence for impaired hydroxycarboxylic acid absorption causing hyperoxaluria. Cowley DM, et al. **Clin Chem** 1987

Feb;33(2 Pt 1):243–7
Impaired fluid and electrolyte balance in hot climates. Better OS. **Kidney Int [Suppl]** 1987 Aug;21:S97–101 (46 ref.)
Evaluation of factors involved in calcium stone formation. Abraham PA, et al. **Miner Electrolyte Metab** 1987; 13(3):201–8
Pathogenesis of renal stones. Smith LH. **Miner Electrolyte Metab** 1987;13(4):214–9 (50 ref.)
Cholelithiasis and urolithiasis in Crohn's disease. Andersson H, et al. **Scand J Gastroenterol** 1987 Mar;22(2):253–6
A critical evaluation of the urinary inhibiting activity in idiopathic calcium oxalate nephrolithiasis. Gambaro G, et al. **Urol Int** 1986;41(6):418–21
[Renal lithiasis in idiopathic hypercalciuria and primary hyperparathyroidism] Burckhardt P. **Ann Med Interne (Paris)** 1986;137(3):216–9 (Eng. Abstr.) **(Fre)**
[Colic-like pain in the side] Würth JP, et al. **Schweiz Rundsch Med Prax** 1986 Oct 7;75(41):1215–8 (Eng. Abstr.) **(Ger)**
[Calculi in the transplanted kidney] Rutkowski B, et al. **Pol Tyg Lek** 1986 Sep 29;41(39):1253–5 (Eng. Abstr.) **(Pol)**
[Burnett's syndrome and formation of kidney calculi] Tiktinskii OL, et al. **Urol Nefrol (Mosk)** 1987 May–Jun; (3):7–10 (Eng. Abstr.) **(Rus)**
[Infection-induced urinary tract calculi—new methods for prevention and treatment] Hedelin H, et al. **Lakartidningen** 1987 Apr 22;84(17):1446–8 **(Swe)**

FAMILIAL & GENETIC

2,8-Dihydroxyadenine lithiasis—epidemiology, pathogenesis and therapy. Simmonds HA. **Verh Dtsch Ges Inn Med** 1986; 92:503–8

HISTORY

The urological vagaries of two famous patients. Leavesley JH. **Med J Aust** 1986 Dec 1–15;145(11–12):618–20
Consideration on the history of lithogenesis. Puigvert A. **Urol Int** 1986;41(5):326–8

METABOLISM

Selected biochemical parameters in patients with active nephrolithiasis. Kiersztejn M, et al. **Acta Med Pol** 1986; 27(1–2):77–85
Evaluation of calcium and phosphate metabolism in patients affected by essential hypertension and calcium nephrolithiasis. Malberti F, et al. **Am J Nephrol** 1986;6 Suppl 1:131–3
2,8-Dihydroxyadenine lithiasis. Simmonds HA. **Clin Chim Acta** 1986 Oct 31;160(2):103–8
Effect of pH on the microhardness of renal calculi. Johrde LG, et al. **J Biomed Mater Res** 1986 Sep;20(7):945–50
Isolation from human calcium oxalate renal stones of nephrocalcin, a glycoprotein inhibitor of calcium oxalate crystal growth. Evidence that nephrocalcin from patients with calcium oxalate nephrolithiasis is deficient in gamma-carboxyglutamic acid. Nakagawa Y, et al. **J Clin Invest** 1987 Jun;79(6):1782–7
Proposed criteria for identifying hyperabsorbers among normocalcaemic renal stone formers. Berlin T. **Scand J Urol Nephrol** 1987;21(2):103–7
Fasting gastrinemia and elevated supersaturation with hydroxyapatite of fasting urine—observations in renal calcium stone patients and controls. Schwille PO, et al. **Urol Res** 1987;15(2):99–104
[Determination of calcium, oxalate and inhibitory activity of the urine in patients with calcium nephrolithiasis] Han KH, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Mar; 24(3):173–5, 190 (Eng. Abstr.) **(Chi)**
[Metabolic disorders and kidney stone] **Nippon Jinzo Gakkai Shi** 1986 Jul;28(7):995–1007 **(Jpn)**
[Interrelation between the genetic type of acetylation and the incidence in the development of certain diseases] Scherber A, et al. **Farmakol Toksikol** 1986 Sep–Oct; 49(5):31–2 **(Rus)**

MICROBIOLOGY

Bacterial presence within renal calculi and urinary tract infection. el Baz MG, et al. **J Egypt Public Health Assoc** 1985;60(5–6):301–7

OCCURRENCE

Prevalence of renal stones in 60-year-old men. A 10-year follow-up study of a health survey. Ljunghall S, et al. **Br J Urol** 1987 Jul;60(1):10–3
Incidence of renal stones in 18 British towns. A collaborative study. Power C, et al. **Br J Urol** 1987 Feb;59(2):105–10
[The prevalence of kidney calculi] Dolgov A. **Khirurgiia (Sofiia)** 1987;40(3):70–3 (Eng. Abstr.) **(Bul)**
[Renal calculi in the county of Copenhagen. Epidemiological conditions in a hospital case load] Ostri P, et al. **Ugeskr Laeger** 1987 Jan 19;149(4):241–3 (Eng. Abstr.) **(Dan)**

PATHOLOGY

Spontaneous passage of renal calculi through nephrocutaneous fistula due to calculous pyelonephritis. Iseki T, et al. **Br J Urol** 1987 Mar;59(3):285–6
Giant renal calculus. Mahant TS, et al. **Br J Urol** 1987 Jan; 59(1):95
Ultrasound stone localisation for extracorporeal shock wave lithotripsy. Martin X, et al. **Br J Urol** 1986 Aug; 58(4):349–52
Urothelial changes in renal calculus disease. Ranadive NU, et al. **Indian J Cancer** 1985 Dec;22(4):274–81
Renal mass and reserve of vitamin D: determinants in primary hyperparathyroidism. Patron P, et al. **Kidney Int** 1987 May; 31(5):1174–80
Renal adenomatosis associated with bilateral renal calculi. Fukuoka H, et al. **Nippon Jinzo Gakkai Shi** 1986 Sep; 28(9):1293–8
[Case of a papillary tumor and calculus of the kidney in a female patient from an area of Balkan endemic nephropathy operated on conservatively] Donovski L, et al. **Khirurgiia (Sofiia)** 1986;39(5):93–5 **(Bul)**
[Xanthogranulomatous pyelonephritis, squamous cell cancer and lithiasis in 1 kidney] Moldavskiĭ MI, et al. **Arkh Patol** 1986;48(9):62–3 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Possibility of elevated parathyroid function in patients with calcium-containing nephrolithiasis as compared with normal controls. Kitamura T, et al. **Eur Urol** 1987; 13(1–2):90–9
Disturbed urinary transport in the pelvi-calyceal system in calcium-oxalate stone patients. Schulz E, et al. **Urol Res** 1987;15(2):109–13
[Role of magnesium in the physiopathology and treatment of calcium renal lithiasis] Labeeuw M, et al. **Presse Med** 1987 Jan 10–17;16(1):25–7 (Eng. Abstr.) **(Fre)**
[Calciuria, calcium overload and urinary cyclic AMP in the evaluation of patients with calcic lithiasis] Barros EJ, et al. **AMB** 1986 May–Jun;32(5–6):96–100 (Eng. Abstr.) **(Por)**
[The onset and growth of urate renal calculi] Klarica J. **Lijec Vjesn** 1987 Jan;109(1):19–22 (Eng. Abstr.) **(Ser)**

PREVENTION & CONTROL

Therapeutic modalities for the prevention of nephrolithiasis. Tschöpe W, et al. **Adv Exp Med Biol** 1986;208:459–65 (35 ref.)
Thiazides in the prophylactic treatment of recurrent idiopathic kidney stones. Mortensen JT, et al. **Int Urol Nephrol** 1986;18(3):265–9
Management of cystine nephrolithiasis with alpha-mercaptopropionylglycine. Pak CY, et al. **J Urol** 1986 Nov;136(5):1003–8
Glycosaminoglycans as inhibitors of stone formation. Sallis JD. **Miner Electrolyte Metab** 1987;13(4):273–7 (44 ref.)
Randomized trial of allopurinol in the prevention of calcium oxalate calculi. Ettinger B, et al. **N Engl J Med** 1986 Nov 27;315(22):1386–9
[The influence of dietary factors on renal lithiasis] Jaeger P. **Ther Umsch** 1986 Oct;43(10):779–84 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

The case of the recalcitrant Welshman. Lyons K, et al. **Br J Radiol** 1987 Jan;60(709):93–5
Spontaneous delivery of renal stone into the retroperitoneum. Moskovitz B, et al. **Urol Radiol** 1986;8(4):214–5
[Pancreatic calcinosis and kidney calculi in the roentgenologic picture] Zlomaniec J, et al. **Pol Przegl Radiol (Warszawa)** 1986 Mar–Apr;50(2):124–5 **(Pol)**
[Urinary pH and plain x-ray of the abdomen in nephritic colic (letter)] Miralles R, et al. **Med Clin (Barc)** 1987 Jun 20;89(4):171 **(Spa)**

RADIONUCLIDE IMAGING

[Radionuclide diagnosis of kidney calculi] Vlakhov N, et al. **Med Radiol (Mosk)** 1986 Sep;31(9):28–30 (Eng. Abstr.) **(Rus)**

SURGERY

Computed tomography after percutaneous renal stone extraction. Geterud K, et al. **Acta Radiol** 1987 Jan–Feb; 28(1):55–8
Percutaneous removal of stones in the kidney. Debruyne FM, et al. **Acta Urol Belg** 1986;54(3):245–55
Complications of percutaneous nephrolithotomy. Lee WJ, et al. **AJR** 1987 Jan;148(1):177–80
Percutaneous surgery in the management of renal stones. Pagano F, et al. **Contrib Nephrol** 1987;55:92–3
Percutaneous nephrostomy for deflation and stone treatment, I. Reuter HJ. **Int Urol Nephrol** 1986;18(4):369–79
Percutaneous nephrolithotomy. Servadio C, et al. **Isr J Med Sci** 1986 Jul–Aug;22(7–8):541–6
Percutaneous nephrolithotripsy in Lebanon. Tabet B, et al. **J Med Liban** 1986;36(4):165–70
Operative fiberoptic nephroureteroscopy: removal of upper ureteral and renal calculi. Aso Y, et al. **J Urol** 1987 Apr; 137(4):629–32
Percutaneous nephrolithotomy in the spinal cord injury population. Culkin DJ, et al. **J Urol** 1986 Dec;136(6):1181–3
Dorsal lumbotomy for surgery of the upper urinary tract. Das S, et al. **J Urol** 1987 May;137(5):862–4
Same-session endourological removal of upper and impacted lower urinary tract stones with the aid of prone flexible cystoscopy. Eshghi M, et al. **J Urol** 1987 Jul;138(1):127–9
Urinary calculi and primary hyperparathyroidism: simultaneous surgical treatment. Pathroff RA, et al. **J Urol** 1987 Jun;137(6):1221–2
Cephalad renal movement during percutaneous nephrostolithotomy. Preminger GM, et al. **J Urol** 1987 Apr; 137(4):623–5
Retrograde percutaneous nephrostolithotomy: an acceptable alternative to antegrade techniques. Spirnak JP. **J Urol** 1987 May;137(5):841–4
An alternative approach to tract dilation using optic urethrotome in percutaneous nephrolithotomy. Tzai TS, et al. **J Urol** 1987 Jun;137(6):1110–2
Post-surgical deterioration of renal function in primary hyperoxaluria. Grateau G, et al. **Nephrol Dial Transplant** 1987;1(4):261–4
Percutaneous removal of renal calculi. LeRoy AJ, et al. **Radiol Clin North Am** 1986 Dec;24(4):615–22
Percutaneous nephrostolithotomy. Ingram C, et al. **Radiol Technol** 1986 Sep–Oct;58(1):11–5
Surgical therapy. Hauri D. **Urol Int** 1986;41(5):385–6
Percutaneous nephrolithotomy: analysis of 500 consecutive cases. Lee WJ, et al. **Urol Radiol** 1986;8(2):61–6
Calyceal puncture for nephrolithotomy using unidimensional x-ray unit. Fourcade RO, et al. **Urology** 1987 Jan;29(1):80–1
Serious complications associated with percutaneous nephrolithotomy. Kalash SS, et al. **Urology** 1987 Mar; 29(3):290–3
New steerable catheter for use in percutaneous nephrolithotomy. Leal JJ, et al. **Urology** 1987 May;:35–6
Some guidelines in use of lasers in renal surgery. Rosemberg SK. **Urology** 1987 Feb;29(2):141–5
Operative renal radiography. Roth D, et al. **Urology** 1987 May;:12–3
[Severe complication of Fraley syndrome] Uzunova I, et al. **Khirurgiia (Sofiia)** 1986;39(3):41–3 **(Bul)**
[Care of patients with lithotomy via the renal parenchyma by transpelvic cold irrigation] Hong LS. **Chung Hua Hu Li Tsa Chih** 1987 Feb;22(2):67–8 **(Chi)**
[Removal of kidney stones by percutaneous nephrostomy] Yang YZ. **Chung Hua I Hsueh Tsa Chih** 1986 May; 66(5):279–81, 318 (Eng. Abstr.) **(Chi)**
[Use of a modified dorsal oblique incision] Tang YZ, et al. **Chung Hua Wai Ko Tsa Chih** 1986 May;24(5):303–4, 318–9 (Eng. Abstr.) **(Chi)**
[Retrograde percutaneous nephrostomy for stone removal: report of 12 cases] Wu KJ, et al. **Chung Hua Wai Ko Tsa Chih** 1987 Jan;25(1):45–6, 63 (Eng. Abstr.) **(Chi)**
[Experiences in using lumbodorso vertical incision] Xie SL, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Aug;24(8):490–1, 511 (Eng. Abstr.) **(Chi)**
[Percutaneous removal of kidney stones] Nielsen HV, et al. **Ugeskr Laeger** 1987 Jan 19;149(4):207–9 (Eng. Abstr.) **(Dan)**
[Renal calculi in the county of Copenhagen. A 5-year follow-up study nephrolithiasis patients] Schultz A, et al. **Ugeskr Laeger** 1987 Jan 19;149(4):209–11 (Eng. Abstr.) **(Dan)**
[Postoperative outcome of residual pyelocaliceal stones] Hiraishi K, et al. **J Urol (Paris)** 1987;93(2):65–71 (Eng. Abstr.) **(Fre)**
[Percutaneous surgery of the kidney. Puncture and dilatation by the same operator] Korth K. **J Urol (Paris)** 1986; 92(4):215–21 (Eng. Abstr.) **(Fre)**
[Percutaneous nephrolithotomy. Analysis of the first 18 cases] Lozé JF, et al. **J Urol (Paris)** 1986;92(4):253–4 **(Fre)**
[Comparative study of cefoperazone and cotrimoxazole in kidney stone surgery via percutaneous approach] Tauzin-Fin P, et al. **Pathol Biol (Paris)** 1986 May; 34(5):498–501 (Eng. Abstr.) **(Fre)**
[Posterior lumbotomy] Khadhri C, et al. **Tunis Med** 1986 Aug–Sep;64(8–9):771–3 (Eng. Abstr.) **(Fre)**
[Percutaneous kidney surgery. Puncture and dilatation in the hands of the surgeon] Korth K. **Urologe [A]** 1986 Nov; 25(6):315–21 (Eng. Abstr.) **(Ger)**
[Radiation exposure of the surgeon in percutaneous nephrolithopaxy] Pfab R, et al. **Urologe [A]** 1986 Jul; 25(4):216–9 (Eng. Abstr.) **(Ger)**
[Percutaneous surgery of renal calculi. Cost comparison with pyelolithotomy] Lamartina M, et al. **Minerva Urol Nefrol** 1987 Jan–Mar;39(1):39–43 (Eng. Abstr.) **(Ita)**
[Percutaneous nephropyelolithotomy] Losinno F, et al. **Radiol Med (Torino)** 1987 May;73(5):429–33 (Eng. Abstr.) **(Ita)**
[Descent of right renal vein—a case report] Ono Y, et al. **Hinyokika Kiyo** 1987 Jan;33(1):31–3 (Eng. Abstr.) **(Jpn)**
[An experience with nephrolithotomy under guidance of intraoperative ultrasonic scanning] Sugata T, et al. **Hinyokika Kiyo** 1987 Feb;33(2):233–6 (Eng. Abstr.) **(Jpn)**
[Percutaneous nephrolithotomy] Karlsen S, et al. **Tidsskr Nor Laegeforen** 1986 Oct 30;106(30):2531–3 (Eng. Abstr.) **(Nor)**
[Percutaneous nephrolithotomy: technic and results] Banús Gassol JM, et al. **Arch Esp Urol** 1986 Sep;39 Suppl 2:161–9 (Eng. Abstr.) **(Spa)**
[Clinical experience with inosine in surgery of complex renal lithiasis with ischemia under normothermia] Gallo FJ, et al. **Arch Esp Urol** 1987 Jan–Feb;40(1):33–7 (Eng. Abstr.)

(Spa)
[Percutaneous nephrolithotomy: results in 183 cases of renal and ureteral calculi] Hidalgo L, et al. **Arch Esp Urol** 1987 Apr;40(3):181–90 (Eng. Abstr.) (Spa)
[Calculi remnants in percutaneous nephrolithotomy] Lovaco F, et al. **Arch Esp Urol** 1986 Sep;39 Suppl 2:108–14 (Eng. Abstr.) (Spa)
[Comparative study between classic lumbotomy and percutaneous nephrolithotomy in the treatment of renal lithiasis] Netto Júnior NR, et al. **Arch Esp Urol** 1986 Sep; 39 Suppl 2:171–5 (Eng. Abstr.) (Spa)
[Percutaneous nephrolithotomy] Netto Júnior NR, et al. **Arch Esp Urol** 1986 Sep;39 Suppl 2:155–60 (Eng. Abstr.) (Spa)
[Percutaneous surgery of renal calculi: a "fun" technic. Review of a 3-year experience] Puppo P, et al. **Arch Esp Urol** 1986 Sep;39 Suppl 2:135–42 (Eng. Abstr.) (Spa)
[A series of 300 percutaneous nephrolithotomies: experience and results] Tailly G. **Arch Esp Urol** 1986 Sep;39 Suppl 2:115–20 (Eng. Abstr.) (Spa)
[Endoscopic treatment of upper urinary tract calculi. Technics and results] Tolley DA. **Arch Esp Urol** 1986 Sep; 39 Suppl 1:33–9 (Eng. Abstr.) (Spa)
[Percutaneous nephrolithectomy: simplified technic (preliminary report)] Valdivia Uría JG, et al. **Arch Esp Urol** 1987 Apr;40(3):177–80 (Eng. Abstr.) (Spa)
[Treatment of renal lithiasis by percutaneous nephrolithotomy: an analysis of our first 30 cases] Valdivia Uría JG, et al. **Arch Esp Urol** 1986 Sep;39 Suppl 2:121–33 (Eng. Abstr.) (Spa)
[Percutaneous nephrolithotomy: a severe complication] Baxarías Gascón P, et al. **Rev Esp Anestesiol Reanim** 1986 Sep–Oct;33(5):366–7 (Eng. Abstr.) (Spa)

THERAPY

Endourology. Segura JW. **Adv Nephrol** 1987;16:187–93 (9 ref.)
Sonographic evaluation of renal stones treated by extracorporeal shock-wave lithotripsy. Baumgartner BR, et al. **AJR** 1987 Jul;149(1):131–5
High frequency positive pressure ventilation during general anesthesia for extracorporeal shock wave lithotripsy. Perel A, et al. **Anesth Analg** 1986 Nov;65(11):1231–4
The use of extracorporeal shock wave lithotripsy in aviators. Paletta MJ. **Aviat Space Environ Med** 1987 Mar;58(3):260–2
Percutaneous nephrolithotomy. A study of 171 patients. Bapat SS. **Br J Urol** 1986 Dec;58(6):585–7
Combination of percutaneous surgery and extracorporeal shockwave lithotripsy for the treatment of large renal calculi. Dickinson IK, et al. **Br J Urol** 1986 Dec;58(6):581–4
Report on the first 1000 patients treated at St Thomas' Hospital by extracorporeal shockwave lithotripsy. Palfrey EL, et al. **Br J Urol** 1986 Dec;58(6):573–7
The treatment of uric acid calculi with extracorporeal shock wave lithotripsy. Royce PL, et al. **Br J Urol** 1987 Jul; 60(1):6–9
Extracorporeal shock wave lithotripsy in the treatment of patients with renal stones. Report of 50 patients. He SX, et al. **Chin Med J [Engl]** 1986 Aug;99(8):615–8
Work loss cost factor and the comparison of treatment regime for kidney stones [letter] Birch S. **Community Med** 1987 Feb;9(1):96
An investment appraisal of alternative technologies for the treatment of stones in the kidney and ureter. Patel MS, et al. **Community Med** 1986 Aug;8(3):191–8
Predisposing factors and prevention of renal calculi. Cargill JG 3d, et al. **Compr Ther** 1986 Dec;12(12):43–9
Radionuclide evaluation pre- and post-extracorporeal shock wave lithotripsy for renal calculi. Bomanji J, et al. **Contrib Nephrol** 1987;56:256–60
Renal morphology and function before and after shock wave lithotripsy at 1.5 T with gadolinium-DTPA. Foerster EC, et al. **Contrib Nephrol** 1987;56:135–40
Retrograde percutaneous nephrostomy. Hawkins IF Jr. **CRC Crit Rev Diagn Imaging** 1987;27(2):153–65
Use of internal polyethylene ureteral stents in extracorporeal shock-wave lithotripsy of staghorn calculi. Pode D, et al. **Eur Urol** 1987;13(3):174–5
Multimodal treatment (extracorporeal shock wave lithotripsy and endourology) of complicated renal stone disease. Rassweiler J, et al. **Eur Urol** 1986;12(5):294–304
Endourologic treatment of urinary tract stones. Yarbrough WJ, et al. **Hawaii Med J** 1987 Jan;46(1):15–9
Extracorporeal shock wave lithotripsy. Yarbrough WJ. **Hawaii Med J** 1987 Jan;46(1):10–1
Renal and ureteral calculi: current management. Scott JW, et al. **Indiana Med** 1987 May;80(5):450–5
Extracorporeal shock wave lithotripsy (ESWL). Drago JR, et al. **Int Surg** 1987 Jan–Mar;72(1):48–50
Shock-wave treatment for stones in the kidney and ureter. The Jerusalem experience. Pode D, et al. **Isr J Med Sci** 1987 Apr;23(4):243–8
The destruction of renal calculi by external shock-waves: practical operation and initial results with the Dornier lithotripter. Coleman AJ, et al. **J Med Eng Technol** 1987 Jan–Feb;11(1):4–10
Radionuclide evaluation pre- and postextracorporeal shock wave lithotripsy for renal calculi. Bomanji J, et al. **J Nucl Med** 1987 Aug;28(8):1284–9
Extracorporeal shock wave lithotripsy and percutaneous nephrolithotomy in children. Boddy SA, et al. **J Pediatr Surg** 1987 Mar;22(3):223–7
Sonographic evaluation of the kidney following extracorporeal shock wave lithotripsy. Kaude JV, et al. **J Ultrasound Med** 1987 Jun;6(6):299–306
Prone flexible cystoscopy: an adjunct to percutaneous stone removal. Clayman RV, et al. **J Urol** 1987 Jan;137(1):65–7
Balloon dilation of the ureter: a means to facilitate passage of ureteral and renal calculi. Daughtry JD, et al. **J Urol** 1986 Nov;136(5):1063–5
Extracorporeal shock wave lithotripsy and blood clotting defects [letter] Economacos G, et al. **J Urol** 1987 Sep; 138(3):630
The supracostal approach for percutaneous nephrostolithotomy. Forsyth MJ, et al. **J Urol** 1987 Feb; 137(2):197–8
Extracorporeal shock wave lithotripsy in patients with a solitary kidney. Kulb TB, et al. **J Urol** 1986 Oct; 136(4):786–8
Clinical application of extracorporeal shock wave lithotripsy using microexplosions. Kuwahara M, et al. **J Urol** 1987 May;137(5):837–40
A new application for the removal of caliceal renal stones with the rigid ureteropyeloscope. Leal JJ. **J Urol** 1987 Feb; 137(2):268–9
Comparison of results and morbidity of percutaneous nephrostolithotomy and extracorporeal shock wave lithotripsy. Lingeman JE, et al. **J Urol** 1987 Sep; 138(3):485–90
Inadvertent fracture of gallstones during extracorporeal shock wave lithotripsy. Michaels EK, et al. **J Urol** 1986 Dec;136(6):1285–6
Outpatient irrigation of the renal collecting system with 10 per cent hemiacidrin: cumulative experience of 365 days in 13 patients. Palmer JM, et al. **J Urol** 1987 Aug; 138(2):262–5
Hemophilia and extracorporeal shock wave lithotripsy: a case report. Partney KL, et al. **J Urol** 1987 Aug;138(2):393–4
Radiation exposure to patients during extracorporeal shock wave lithotripsy. Van Swearingen FL, et al. **J Urol** 1987 Jul;138(1):18–20
New generation shock wave lithotripsy. Wilbert DM, et al. **J Urol** 1987 Sep;138(3):563–5
ESWL now possible for patients with pacemakers [news] Goldsmith MF. **JAMA** 1987 Sep 11;258(10):1284
Extracorporeal shock-wave lithotripsy. Initial Australian experience. Brooks AJ, et al. **Med J Aust** 1987 Apr 20; 146(8):424–5
Extracorporeal shock-wave lithotripsy [editorial] Maher PO. **Med J Aust** 1986 Dec 1–15;145(11–12):559–60
Extracorporeal shockwave lithotripsy. Keeler LL, et al. **NJ Med** 1986 Sep;83(9):577–84
Endourology. Nocks BN. **NY State J Med** 1986 Oct; 86(10):510–1
Advances in management renal stones. Arnold EP. **NZ Med J** 1986 Dec 10;99(815):947–8
Percutaneous nephrolithotomy of a staghorn calculus using an electrohydraulic lithotripter: a case study. Bushell EJ. **Radiography** 1986 Nov–Dec;52(606):261–4
Extracorporeal shock wave lithotripsy: impact on the radiology department of a stone treatment center. Cochran ST, et al. **Radiology** 1987 Jun;163(3):655–9
Renal obstruction from persistent struvite stone matrix: a complication of extracorporeal shock wave lithotripsy. LaBerge JM, et al. **Radiology** 1987 May;163(2):535–6
Staghorn calculi: endourologic management in 120 patients. Lee WJ, et al. **Radiology** 1987 Oct;165(1):85–8
Extracorporeal shock wave lithotripsy: interventional radiologic solutions to associated problems. Tegtmeyer CJ, et al. **Radiology** 1986 Dec;161(3):587–92
Hypercalciuria and renal stones in a sarcoidosis patient treated by extracorporeal shockwave lithotripsy. Sharma OP, et al. **Sarcoidosis** 1986 Mar;3(1):7–9
Transurethral ureteroscopic extraction of stone from the ureter and renal pelvis. Toftgaard C, et al. **Scand J Urol Nephrol** 1987;21(1):43–5
The practical evaluation and selective medical management of nephrolithiasis. Preminger GM, et al. **Semin Urol** 1985 Aug;3(3):170–84 (23 ref.)
Treatment of renal calculi with extracorporeal shockwave lithotripsy. Jenkins AD. **Surg Annu** 1987;19:123–33
New techniques for the elimination of upper tract urinary stones. Meacham RB, et al. **Tex Med** 1987 Jul;83(7):34–44
Practical aspects of outpatient extracorporeal shock-wave lithotripsy. Burns JR, et al. **Urol Clin North Am** 1987 Feb; 14(1):73–5
Extracorporeal shock-wave lithotripsy. Newman DM, et al. **Urol Clin North Am** 1987 Feb;14(1):63–71
Initial experience with local anesthesia in extracorporeal shock wave lithotripsy. Aeikens B, et al. **Urol Int** 1986; 41(4):246–7
Percutaneous litholapaxy. Korth K, et al. **Urol Int** 1986; 41(5):375–84
Development and application of confined blasting for bladder and kidney stones. Watanabe H, et al. **Urol Int** 1987; 42(1):23–9
Outpatient extracorporeal shock-wave lithotripsy. Breaux E, et al. **Urology** 1987 Feb;29(2):131–3
Extracorporeal shock-wave lithotripsy (ESWL) of pelvic kidney calculus. Use of C-arm fluoroscopy for correct patient positioning. Bush WH, et al. **Urology** 1987 Apr; 29(4):357–60
Management of urinary calculi in pregnancy. Cass AS, et al. **Urology** 1986 Nov;28(5):370–2
Pneumocalyx following percutaneous nephrostolithotomy. Daughtry JD, et al. **Urology** 1986 Oct;28(4):293–4
Percutaneous nephrolithotripsy in horseshoe kidney [letter] Dittrich A, et al. **Urology** 1987 Jan;29(1):115–6
Endourologic approach to transplant kidney. Eshghi M, et al. **Urology** 1986 Dec;28(6):504–7
Disposable Frazier neurosurgery suction tip as intrarenal stone irrigator. Gelbard MK. **Urology** 1987 May;:44
Ambulatory extracorporeal shockwave lithotripsy. Nisonson I, et al. **Urology** 1986 Nov;28(5):381–4
The unbreakable stone? Plawner J, et al. **Urology** 1987 Apr; 29(4):400–1
Impact of shockwave lithotripsy on upper urinary tract calculi. Riehle RA Jr, et al. **Urology** 1986 Oct;28(4):261–9
Results and morbidity of percutaneous nephrolithotripsy. Weinerth JL, et al. **Urology** 1987 May;29(5):526–30
Visual internal urethrotome for incision of dense perirenal scar tissue during percutaneous stone removal. Woodside JR, et al. **Urology** 1987 Sep;30(3):272
[Combined method of treating molded renal concretions] Kumanov Kh, et al. **Khirurgiia (Sofiia)** 1987;40(2):59–60 (Bul)
[The Bichat Urologic Seminar. Paris, 19 October 1985. Indications for percutaneous surgery of the kidney in the face of the development of extra-corporeal lithotripsy and ureteroscopy] **J Urol (Paris)** 1986;92(3):183–211 (Fre)
[Extracorporeal lithotripsy in the treatment of renal lithiasis. 5 years' experience] Chaussy C, et al. **J Urol (Paris)** 1986; 92(6):339–43 (Eng. Abstr.) (Fre)
[Chemical dissolution of complicated radioclear lithiasis] Daou N, et al. **J Urol (Paris)** 1986;92(4):254–5 (Fre)
[Extracorporeal lithotripsy by shock waves. Initial results (322 cases)] Martin X, et al. **J Urol (Paris)** 1986; 92(3):177–81 (Eng. Abstr.) (Fre)
[Ultrashort impulse extracorporeal lithotripsy. 1st clinical applications of the lithotriptor (letter)] Thibault P, et al. **Presse Med** 1986 Jul 5–12;15(27):1283–4 (Fre)
[Comparative studies of the postoperative phase following opioid analgesia using fentanyl and alfentanil within the scope of extracorporeal shockwave lithotripsy] Schockenhoff B, et al. **Anaesthesist** 1987 Feb;36(2):69–72 (Eng. Abstr.) (Ger)
[Extracorporeal shockwave lithotripsy of kidney and ureteral stones] Jocham D, et al. **Dtsch Med Wochenschr** 1987 Jan 16;112(3):85–6 (Ger)
[New lithotripter without a tub] Schwing C. **Fortschr Med** 1986 Sep 25;104(36):58 (Ger)
[Extracorporeal shockwave lithotripsy—what type of anesthesia?] Dimai W, et al. **Schweiz Med Wochenschr** 1987 Mar 21;117(12):442–4 (Eng. Abstr.) (Ger)
[Extracorporeal shockwave lithotripsy: experience with 1000 treatments] Zehntner C, et al. **Schweiz Med Wochenschr** 1987 Mar 14;117(11):383–90 (Eng. Abstr.) (Ger)
[Painless extra-corporal shock wave lithotripsy using the HM3 Dornier lithotripter] Fischer N, et al. **Urologe [A]** 1987 Jan;26(1):29–32 (Eng. Abstr.) (Ger)
[Extra-corporal shock wave lithotripsy using the HM3 Dornier lithotripter with a modified shock wave generator. Initial clinical reports of experiences] Muschter R, et al. **Urologe [A]** 1987 Jan;26(1):33–5 (Eng. Abstr.) (Ger)
[Disintegration of kidney calculi by piezoelectrically generated high-energy sound waves. Physical principles and experimental studies] Riedlinger R, et al. **Urologe [A]** 1986 Jul;25(4):188–92 (Eng. Abstr.) (Ger)
[Nuclear medicine assessment of renal function in beagles before and after extracorporeal percutaneous lithotripsy with a piezoelectric instrument system] Stoll HP, et al. **Urologe [A]** 1987 Jul;26(4):222–8 (Eng. Abstr.) (Ger)
[Disintegration of kidney calculi with a piezoelectric instrument system. Initial clinical experiences] Ziegler M, et al. **Urologe [A]** 1986 Jul;25(4):193–7 (Eng. Abstr.) (Ger)
[Shock wave lithotripsy of the kidney and gallbladder] Brendel W. **Verh Dtsch Ges Inn Med** 1986;92:168–74 (Ger)
[Simultaneous percutaneous removal of a kidney pelvis calculus and a kidney calix papilloma] Hódi I, et al. **Orv Hetil** 1987 May 24;128(21):1103–4 (Eng. Abstr.) (Hun)
[Percutaneous nephrolithotomy and ultrasonic lithotripsy in patients with horseshoe kidney (analysis of 4 cases)] Holman E, et al. **Orv Hetil** 1986 Dec 7;127(49):2989–91 (Eng. Abstr.) (Hun)
[Interventional ultrasound in percutaneous kidney surgery] Nádas G, et al. **Orv Hetil** 1987 Jun 28;128(26):1345–8 (Eng. Abstr.) (Hun)
[Percutaneous removal of kidney and ureteral calculi] Tankó A, et al. **Orv Hetil** 1987 Jun 21;128(25):1307–10 (Eng. Abstr.) (Hun)
[An experience of percutaneous nephro-ureterolithotomy] Ebisuno S, et al. **Hinyokika Kiyo** 1986 Aug;32(8):1099–104 (Eng. Abstr.) (Jpn)
[The treatment of staghorn calculi with an extracorporeal shock wave lithotripter, a percutaneous nephrolithotripter and chemolysis] Higashihara E, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep;77(9):1416–20 (Eng. Abstr.) (Jpn)
[Surgical treatment of kidney stones today] Karlsen S, et al. **Nord Med** 1987;102(5):154–6 (Eng. Abstr.) (Nor)
[Percutaneous lithoextraction under nephroscopic control]

Morozov AV, et al. **Urol Nefrol (Mosk)** 1987 Mar-Apr; (2):23-8 (Eng. Abstr.) **(Rus)**

[Noncontact disintegration of urinary calculi in an experiment] Panin AG, et al. **Vestn Khir** 1987 Jan; 138(1):85-6 **(Rus)**

[Contactless method of crushing kidney and ureteral stones (experimental research)] Shevtsov IP, et al. **Voen Med Zh** 1986 Nov;(11):22-4 **(Rus)**

[Percutaneous litholapaxy as a part of percutaneous surgery of the kidneys] Kotula V, et al. **Rozhl Chir** 1986 Nov; 65(11):714-9 (Eng. Abstr.) **(Slo)**

[Litholysis of cystine calculi by continuous irrigation with acetylcysteine] Berenguer A, et al. **Actas Urol Esp** 1986 Sep-Oct;10(5):371-2 (Eng. Abstr.) **(Spa)**

[Extracorporeal lithotripsy using shock waves. Our experience in the first 1000 patients] Ruiz Marcellán FJ, et al. **Actas Urol Esp** 1987 Mar-Apr;11(2):120-7 (Eng. Abstr.) **(Spa)**

[Shock-wave extracorporeal lithotripsy. Its role in the treatment of coralliform lithiasis] Eisenberger F, et al. **Arch Esp Urol** 1986 Sep;39 Suppl 2:181-95 (Eng. Abstr.) **(Spa)**

[Percutaneous ultrasonic nephrolithotomy. Fragmentation aspects] García Cuerpo E, et al. **Arch Esp Urol** 1986 Sep; 39 Suppl 2:143-54 (Eng. Abstr.) **(Spa)**

[Renal calculus resistant to shock wave therapy] Rodríguez-Miñón Cifuentes JL, et al. **Arch Esp Urol** 1987 May;40(4):285-7 (Eng. Abstr.) **(Spa)**

[New therapeutic possibilities in coralliform lithiasis: shockwave lithotripsy] Ruiz Marcellán FJ, et al. **Arch Esp Urol** 1986 Sep;39 Suppl 2:196-204 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

New studies on papillary calculi. Cifuentes Delatte L, et al. **J Urol** 1987 May;137(5):1024-9

Scanning electron microscopic examinations of renal stones associated with urinary infections. Hirano S, et al. **Nippon Jinzo Gakkai Shi** 1987 Mar;29(3):293-300

[Microscopic and scanning electron microscopic study of intrarenal caluculogenesis. Intrarenal crystal distribution and movement in rats injected with L-hydroxyproline within short period] Kageyama S, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Aug;77(8):1310-7 (Eng. Abstr.) **(Jpn)**

URINE

Influence of oxalate on calcium oxalate crystals formation in urine. Olmer M, et al. **Adv Exp Med Biol** 1986;208:451-8

Urine citrate and calcium in calcium nephrolithiasis. Parks JH, et al. **Adv Exp Med Biol** 1986;208:445-9

Observations on in vitro and in vivo calcium oxalate crystalluria in primary calcium stone formers and normal subjects. Azoury R, et al. **Br J Urol** 1987 Mar;59(3):211-3

Does sucrose damage kidneys? Li MK, et al. **Br J Urol** 1986 Aug;58(4):353-7

Two-carbon oxalogenesis compared in recurrent calcium oxalate stone formers and normal subjects. McWhinney BC, et al. **Clin Chem** 1987 Jul;33(7):1118-20

Enzymatic determination of urinary chondroitin sulphate: applications in renal stone disease and acromegaly. Fellström B, et al. **Eur J Clin Invest** 1986 Aug;16(4):292-6

An estimate of the ion-activity product of magnesium ammonium phosphate in urine. Tiselius HG, et al. **Eur Urol** 1986;12(5):346-9

Metabolic aspects of nephrolithiasis [clinical conference] **J Tenn Med Assoc** 1986 Nov;79(11):699-705

Idiopathic hypercalciuria--new thoughts on the phosphate connection [editorial] **Lancet** 1987 Jun 20;1(8547):1412-3

Molecular abnormality of urinary glycoprotein crystal growth inhibitor in calcium nephrolithiasis. Nakagawa Y, et al. **Trans Assoc Am Physicians** 1985;98:281-9

The amino acid factor in stone formers' and normal urines. Azoury R, et al. **Urol Res** 1986;14(6):295-8 (22 ref.)

[Peroral calcium administration test with free diet in idiopathic calcium nephrolithiasis--possibilities and limits] Hess B, et al. **Klin Wochenschr** 1986 Oct 15;64(20):1013-20 (Eng. Abstr.) **(Ger)**

[Calcium excretion in patients with calcium oxalate calculi in acid administration] Bolhor C, et al. **Urologe [A]** 1987 May;26(3):133-6 (Eng. Abstr.) **(Ger)**

[Sex specific factors in recurrent idiopathic calcium urolithiasis] Weitbrecht M, et al. **Urologe [A]** 1987 May; 26(3):129-32 (Eng. Abstr.) **(Ger)**

[Urinary calcium excretion in patients with calcium-containing nephrolithiasis. A trial for determining the borderline between normocalciuria and idiopathic hypercalciuria in Japanese] Kitamura T, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Nov;77(11):1831-9 (Eng. Abstr.) **(Jpn)**

[Type 2 primary hyperoxaluria: description of 2 cases and therapeutic results] Mateos Antón F, et al. **Med Clin (Barc)** 1987 May 23;88(20):810-3 (Eng. Abstr.) **(Spa)**

VETERINARY

Struvite crystalluria and urolithiasis in cross Labradors. Rodgers AL, et al. **Scan Electron Microsc** 1986;(Pt 3):1169-74

Xanthine calculi in a dog [letter] Kidder DE, et al. **Vet Rec** 1968 Aug 31;83(9):228-9

KIDNEY CALICES see under **KIDNEY PELVIS**

KIDNEY CIRCULATION see **RENAL CIRCULATION**

KIDNEY CONCENTRATING ABILITY

Thick ascending limb--anatomy and function: role in urine concentrating mechanisms. Bankir L, et al. **Adv Nephrol** 1987;16:69-102 (132 ref.)

Prevention of hypercalcemia-induced renal concentrating defect and tissue calcium accumulation. Harris DC, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):F642-6

Urinary diluting capacity in elderly diabetic subjects. Davis FB, et al. **Exp Gerontol** 1986;21(4-5):407-12

Symposium on the urinary concentrating mechanism. In honor of Robert W. Berliner. **Kidney Int** 1987 Feb; 31(2):501-672

History of the urinary concentrating mechanism. Gottschalk CW. **Kidney Int** 1987 Feb;31(2):507-11

The cortical thick ascending limb and early distal convoluted tubule in the urinary concentrating mechanism. Greger R, et al. **Kidney Int** 1987 Feb;31(2):590-6 (42 ref.)

Short and long loop nephrons. Jamison RL. **Kidney Int** 1987 Feb;31(2):597-605 (20 ref.)

The role of the collecting duct in urinary concentration. Kokko JP. **Kidney Int** 1987 Feb;31(2):606-10 (43 ref.)

Cycles and separations: the histotopography of the urinary concentrating process. Lemley KV, et al. **Kidney Int** 1987 Feb;31(2):538-48 (37 ref.)

Functional transitions in the renal countercurrent system. Marsh DJ. **Kidney Int** 1987 Feb;31(2):668-72 (43 ref.)

The renal pelvis. Schmidt-Nielsen B. **Kidney Int** 1987 Feb; 31(2):621-8 (51 ref.)

Models of the urinary concentrating mechanism. Stephenson JL. **Kidney Int** 1987 Feb;31(2):648-61 (44 ref.)

Functional adaptation of thick ascending limb and internephron heterogeneity to urine concentration. Trinh-Trang-Tan MM, et al. **Kidney Int** 1987 Feb; 31(2):549-55 (37 ref.)

GFR and the concentration of urine in the absence of vasopressin. Berliner-Davidson re-explored. Valtin H, et al. **Kidney Int** 1987 Feb;31(2):634-40 (26 ref.)

The renal concentrating mechanism. Jamison RJ. **Kidney Int [Suppl]** 1987 Aug;21:S43-50 (46 ref.)

Additive effects of glucagon and vasopressin on renal Mg reabsorption and urine concentrating ability in the rat. Elalouf JM, et al. **Pflugers Arch** 1986;407 Suppl 2:S66-71

Hydrogen ion excretion and urinary concentration in the recovery phase of acute glomerulonephritis. Cruz HM, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Mar-Apr; 41(2):61-6

[Importance of tubulo-interstitial changes in glomerular excretory and urine concentrating function of the kidney] Bohle A, et al. **Zentralbl Allg Pathol** 1986;132(5-6):351-63 (22 ref.) (Eng. Abstr.) **(Ger)**

[Renal interstitial involvement in Sjögren's syndrome. The relationship between renal functions and renal interstitial lesions] Fujimoto T, et al. **Nippon Jinzo Gakkai Shi** 1986 Nov;28(11):1457-64 (Eng. Abstr.) **(Jpn)**

[Kidney concentrating function and causes of its disorder in heart surgery patients] Dement'eva II, et al. **Anesteziol Reanimatol** 1987 Mar-Apr;(2):11-5 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Vasopressin and the concentrating mechanism. Anger MS, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 7:S50-5

Physiological control of the urinary concentrating mechanism by peptide hormones. de Rouffignac C, et al. **Kidney Int** 1987 Feb;31(2):611-20 (56 ref.)

Subcutaneous and intranasal administration of 1-deamino-8-d-arginine vasopressin in the assessment of renal concentration capacity. Tryding N, et al. **Nephron** 1987;45(1):27-30

KIDNEY CORTEX

ANALYSIS

Solubilization of a guanine nucleotide-sensitive parathyroid hormone-receptor complex from canine renal cortex. Nissenson RA, et al. **Adv Exp Med Biol** 1986;208:329-43

Complete purification of human renal renin and sequence of the amino terminus. Shinagawa T, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):446-54

Membrane lipid changes in erythrocytes, liver and kidney in acute and chronic experimental liver disease in rats. Kawata S, et al. **Biochim Biophys Acta** 1987 Jan 9; 896(1):26-34

Cadmium concentration in the kidney cortex of occupationally exposed workers measured in vivo using X-ray fluorescence analysis. Christoffersson JO, et al. **Environ Res** 1987 Apr;42(2):489-99

Cadmium in kidney cortex of inhabitants of North-West Germany: its relationship to age, sex, smoking and environmental pollution by cadmium. Hahn R, et al. **Int Arch Occup Environ Health** 1987;59(2):165-76

Cadmium concentrations in autopsy material from differently polluted areas of West Germany (FRG). Thürauf J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Jul; 182(4):337-47

ANATOMY & HISTOLOGY

The renal cortical lymphatic system in the rat, hamster, and rabbit. Niiro GK, et al. **Am J Anat** 1986 Sep;177(1):21-34

Factors associated with renal parenchymal echogenicity in the newborn. Cramer BC, et al. **J Ultrasound Med** 1986 Nov;5(11):633-8

BLOOD SUPPLY

Effects of prostaglandin E2 and I2 on renal cortical and medullary blood flow in rabbits. Yoshida M, et al. **Arch Int Pharmacodyn Ther** 1986 Jul;282(1):108-17

Myosin content and vasoconstrictive ability of the proximal and distal (renin-positive) segments of the preglomerular arteriole. Taugner R, et al. **Cell Tissue Res** 1987 Jun; 248(3):579-88

Local renal ischemia during burn shock in rat effected by thromboxane A2 and serotonin. Haugan A, et al. **Circ Shock** 1986;20(1):13-23

Ischemia induces surface membrane dysfunction. Mechanism of altered Na+-dependent glucose transport. Molitoris BA, et al. **J Clin Invest** 1987 Sep;80(3):647-54

Cortex perfusion index: a sensitive detector of acute rejection crisis in transplanted kidneys. Anaise D, et al. **J Nucl Med** 1986 Nov;27(11):1697-701

Preservation of the cortical renal microcirculation: a prerequisite for immediate renal allograft function. Anaise D, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2039-42

Dimensional changes of proximal tubules and cortical capillaries in chronic obstructive renal disease. A light microscopic morphometric analysis. Møller JC. **Virchows Arch [A]** 1986;410(2):153-8

[Change in local blood flow in the kidney cortex of the rabbit in prolonged hypotension] Tschigogidse TG. **Z Urol Nephrol** 1987 Jan;80(1):31-5 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Inhibition of human renal epithelial Na+/Pi cotransport by phosphonoformic acid. Yusufi AN, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):679-86

An immuno-electron-microscopic study of the localization of VIP-like immunoreactivity in the adrenal gland of the rat. Kondo H, et al. **Cell Tissue Res** 1986;245(3):531-8

Differentiation properties of renal collecting duct cells in culture. Minuth WW, et al. **Differentiation** 1986; 33(2):156-67

Kidney extract reversibly inhibits compensatory cell proliferation after unilateral nephrectomy. Skraastad O. **Virchows Arch [B]** 1987;53(2):102-6

Compensatory cell proliferation in the kidney after unilateral nephrectomy in mice. Skraastad O. **Virchows Arch [B]** 1987; 53(2):97-101

DRUG EFFECTS

Biochemical effects of gentamicin on rat kidney cortex. II. Analytical subfractionation after short-term, high-dose treatment. Nässberger L, et al. **Exp Mol Pathol** 1987 Apr; 46(2):230-43

Development of a primary culture system of rat kidney cortical cells to evaluate the nephrotoxicity of xenobiotics. Smith MA, et al. **Food Chem Toxicol** 1986 Jun-Jul; 24(6-7):551-6

Effects of labetalol on renin release from rat kidney cortical slices. Morimoto S, et al. **J Pharmacobiodyn** 1986 Nov; 9(11):928-33

Secretion control for active and inactive renin: effect of ouabain on release from rabbit kidney cortex slices. Ginesi LM, et al. **J Physiol (Lond)** 1986 Oct;379:17-26

Effect of cisplatin on in vitro production of lipid peroxides in rat kidney cortex. Sugihara K, et al. **Jpn J Pharmacol** 1987 May;44(1):71-6

Renin release in anesthetized rats is enhanced by the calmodulin antagonist W-7. Shinyama H, et al. **Life Sci** 1987 Apr 27;40(17):1687-94

Inhibition of eicosanoid formation by prazosin in the rabbit renal cortex. Van Praag D, et al. **Prostaglandins Leukotrienes Med** 1986 Oct;24(2-3):227-40

Effect of vasoactive intestinal polypeptide on the cyclic adenosine monophosphate generating system in rat kidney glomeruli and cortical tubules. Amenta F, et al. **Regul Pept** 1987 May;17(5):295-9

Reduction of irreversible binding of diethylstilbestrol in hamster renal cortex by inhibitors of cytochrome P-450. Adams SP, et al. **Toxicol Appl Pharmacol** 1987 Mar 30; 88(1):113-22

The influence of cephem antibiotics on gentamicin nephrotoxicity in normal, acidotic, dehydrated, and unilaterally nephrectomized rats. Furuhama K, et al. **Toxicol Appl Pharmacol** 1986 Dec;86(3):430-6

Effect of ethanol on organic ion transport in rabbit kidney. Kim YK, et al. **Toxicol Appl Pharmacol** 1986 Dec; 86(3):411-20

Differential patterns of injury to the proximal tubule of renal cortical slices following in vitro exposure to mercuric chloride, potassium dichromate, or hypoxic conditions. Ruegg CE, et al. **Toxicol Appl Pharmacol** 1987 Sep 15; 90(2):261-73

Acetone effects on N-(3,5-dichlorophenyl)succinimide-induced nephrotoxicity. Lo HH, et al. **Toxicol Lett** 1987 Sep; 38(1-2):161-8

Lack of effect of short-term treatment with high doses of gentamicin on the level and subcellular distribution of cholesterol in rat kidney cortex. Nässberger L, et al. **Toxicol Lett** 1986 Dec;34(2-3):201-7

Cadmium-metallothionein nephrotoxicity in the rat: transient calcuria and proteinuria. Jin TY, et al. **Toxicology** 1987 Sep;45(3):307-17

Role of glutathione in acute N-(3,5-dichlorophenyl) succinimide-induced nephrotoxicity in Sprague-Dawley and Fischer 344 rats. Yang DJ, et al. **Toxicology** 1987 Jul; 45(1):25-44

ENZYMOLOGY

Analytical study of kallikrein and kallikrein-like esterase activity in subfractions from rat kidney cortex microsomes and isolated subcellular membranes. Andersen KJ, et al. **Adv Exp Med Biol** 1986;198 Pt A:355-9

Change in cortical active kallikrein during the onset of Goldblatt hypertension in the rat. Girolami JP, et al. **Adv Exp Med Biol** 1986;198 Pt B:279-83

Renal adenylate cyclase stimulating action of normal and oxidized parathyroid hormone (1-34). Helwig JJ, et al. **Adv Exp Med Biol** 1986;208:351-6

Identification and regulation of renin in human cultured mesangial cells. Chansel D, et al. **Am J Physiol** 1987 Jan; 252(1 Pt 2):F32-8

Effects of cadmium on canine renal cortical adenylate cyclase. Lundberg U, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F401-7

Affinity purification of renal dipeptidase solubilized with detergent. Hitchcock MJ, et al. **Anal Biochem** 1987 May 15;163(1):219-23

The role of aspartic and cysteine proteinases in albumin degradation by rat kidney cortical lysosomes. Baricos WH, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):687-91

Purification and properties of detergent-solubilized pig kidney trehalase. Yoneyama Y. **Arch Biochem Biophys** 1987 May 15;255(1):168-75

Urinary trehalase as an early indicator of cadmium-induced renal tubular damage in rabbit. Nishimura N, et al. **Arch Toxicol** 1986 Dec;59(4):255-60

Angiotensin converting enzyme predominates in the inner cortex and medulla of the rat kidney. Ikemoto F, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):915-21

The use of a monoclonal antibody for the rapid purification of kidney neutral endopeptidase ("enkephalinase") solubilized in octyl glucoside. Aubry M, et al. **Biochem Cell Biol** 1987 Apr;65(4):398-404

Antipili antibody affords protection against ascending pyelonephritis in rat: evaluated by renal brush border membrane enzymes. Garg UC, et al. **Biochem Int** 1987 Mar; 14(3):517-24

Purification of lysosomal phospholipase A and demonstration of proteins that inhibit phospholipase A in a lysosomal fraction from rat kidney cortex. Hostetler KY, et al. **Biochemistry** 1986 Oct 21;25(21):6456-61

Contribution of renal angiotensin converting enzyme (ACE) to blood pressure regulation: possible role of brush border ACE. Ikemoto F, et al. **Clin Exp Hypertens** [A] 1987; 9(2-3):441-7

Effects of arotinolol, an alpha- and beta-adrenoceptor antagonist, on renin release from rat kidney cortical slices. Morimoto S, et al. **Clin Exp Pharmacol Physiol** 1986 Jun; 13(6):505-10

Amino acid sequence of rabbit kidney neutral endopeptidase 24.11 (enkephalinase) deduced from a complementary DNA. Devault A, et al. **EMBO J** 1987 May;6(5):1317-22

Hormonal regulation of (Ca2+ + Mg2+)ATPase activity in canine renal basolateral membrane. Levy J, et al. **Endocrinology** 1986 Dec;119(6):2405-11

Stimulation of adenylate cyclase activity via A2-adenosine receptors in isolated tubules of the rabbit renal cortex. Freissmuth M, et al. **Eur J Pharmacol** 1987 Jun 12; 138(1):137-40

Biochemical effects of gentamicin on rat kidney cortex. I. Analytical subfractionation of control tissue. Nässberger L, et al. **Exp Mol Pathol** 1987 Apr;46(2):217-29

Electron microscopic cytochemical localization of alpha-hydroxyacid oxidase in rat kidney cortex. Heterogeneous staining of peroxisomes. Angermüller S, et al. **Histochemistry** 1986;85(5):411-8

Characterization of pure human renal renin. Evidence for a subunit structure. Do YS, et al. **J Biol Chem** 1987 Jan 25;262(3):1037-43

Parathyroid hormone stimulates dephosphorylation of the renoredoxin component of the 25-hydroxyvitamin D3-1 alpha-hydroxylase from rat renal cortex. Siegel N, et al. **J Biol Chem** 1986 Dec 25;261(36):16998-7003

A purified cysteine conjugate beta-lyase from rat kidney cytosol. Requirement for an alpha-keto acid or an amino acid oxidase for activity and identity with soluble glutamine transaminase K. Stevens JL, et al. **J Biol Chem** 1986 Nov 25;261(33):15529-37

Apical trehalase expression associated with cell patterning after inducer treatment of LLC-PK1 monolayers. Yoneyama Y, et al. **J Cell Physiol** 1987 Jun;131(3):330-41

cGMP-dependent protein kinase is present in high concentrations in contractile cells of the kidney vasculature. Joyce NC, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1986;11(3):191-8

Direct inhibitory effect of atriopeptin III on renin release in primate kidney. Henrich WL, et al. **Life Sci** 1987 Jul 20;41(3):259-64

Aromatic-L-amino acid decarboxylase. Sourkes TL. **Methods Enzymol** 1987;142:170-8

The temperature dependence of (Na+ + K+)-ATPase. Russell JC, et al. **Physiol Chem Phys** 1974;6(3):225-38

The lysosomal distribution of cathepsin B in the rat kidney cortex. Andersen KJ, et al. **Renal Physiol** 1986;9(6):375-83

[Occurrence of phenylalanine hydroxylase in the human kidney] Grimm U, et al. **Biomed Biochim Acta** 1986; 45(9):1141-4 (Eng. Abstr.) **(Ger)**

[Characterization of renal 25-hydroxycholecalciferol-1-hydroxylase in swine] Schreiner F, et al. **Zentralbl Veterinarmed** [A] 1986 Dec; 33(10):746-56 (Eng. Abstr.) **(Ger)**

[Effect of a NaCl gradient on the transport of para-aminohippuric acid into the vesicles of the basolateral membrane of the kidney cortex] Orlov IuN, et al. **Tsitologiia** 1987 Mar;29(3):365-8 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Factors affecting proximal tubular reabsorption during development. Kaskel FJ, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F188-97

Morphometry of the renal corpuscle during normal postnatal growth and compensatory hypertrophy. A light microscope study. Olivetti G, et al. **J Cell Biol** 1977 Nov; 75(2 Pt 1):573-85

[Changes in the renal corpuscles during early postnatal ontogeny of the rat (stereologic analysis)] Eremenko SV. **Arkh Anat Gistol Embriol** 1986 Sep;91(9):89-92 (Eng. Abstr.) **(Rus)**

METABOLISM

Immunoreactivity of PTH-binding in intact bovine kidney tissue and cultured cortical kidney cells indicative for specific receptors. Niendorf A, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:207-11

Mechanism of phosphate transport adaptation in rat intestinal and renal brush border membranes. Danisi G, et al. **Adv Exp Med Biol** 1986;208:223-6

Endogenous kallikrein inhibitor in rat kidney cortex-effect of glucocorticoid administration. Ito K, et al. **Adv Exp Med Biol** 1986;198 Pt A:361-5

The effect of dosing strategy on kidney cortical accumulation of aminoglycosides in rats. Giuliano RA, et al. **Am J Kidney Dis** 1986 Nov;8(5):297-303

Renal cortical uptake kinetics of gentamicin in rats with impaired renal function. Verpooten GA, et al. **Am J Kidney Dis** 1986 Nov;8(5):304-7

Angiotensin receptor subtypes of the kidney cortex. Douglas JG. **Am J Physiol** 1987 Jul;253(1 Pt 2):F1-7 (47 ref.)

K-Cl transport systems in rabbit renal basolateral membrane vesicles. Eveloff J, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F883-9

PGE2, PGF2 alpha, 6-keto-PGF1 alpha, and TxB2 synthesis along the rabbit nephron. Farman N, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F53-9

Cimetidine transport in isolated luminal membrane vesicles from rabbit kidney. Gisclon L, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F141-50

Electrically neutral Na+-H+ exchange in endosomes obtained from rabbit renal cortex. Gurich RW, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):F702-9

Photolabeling of a 150-kDa (Na + K + Cl) cotransport protein from dog kidney with a bumetanide analogue. Haas M, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):C243-52

Anion exchange pathways for Cl- transport in rabbit renal microvillus membranes. Karniski LP, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F513-21

Renal brush-border Na+-H+ exchange activity in the aging rat. Kinsella JL, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):R681-6

Effects of vitamin D-induced chronic hypercalcemia on rat renal cortical plasma membranes and mitochondria. Levi M, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):F267-75

Role of dipeptidyl peptidase IV in uptake of peptide nitrogen from beta-casomorphin in rabbit renal BBMV. Miyamoto Y, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F670-7

Nitrogen sources for renal ammoniagenesis: study with 15N amino acid. Nissim I, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):F995-1002

Sulfate-bicarbonate exchange in brush-border membranes from rat renal cortex. Pritchard JB. **Am J Physiol** 1987 Feb;252(2 Pt 2):F346-56

Effects of inhibitors of Cl conductance on Cl self-exchange in rabbit cortical collecting tubule. Tago K, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):F1009-17

cAMP-associated inhibition of Na+-H+ exchanger in rabbit kidney brush-border membranes. Weinman EJ, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F19-25

Succinate and citrate transport in renal basolateral and brush-border membranes. Wright SH, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F432-9

Renal cortical kinetics of gentamicin after implantation of gentamicin-polymethylmethacrylate beads in rats. Giuliano RA, et al. **Antimicrob Agents Chemother** 1986 Sep; 30(3):385-9

Volume expansion-induced changes in renal tubular membrane protein phosphorylation. Chen TC, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):74-80

Identification of an atrial natriuretic peptide specific receptor in human kidney. Ishikawa Y, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):135-9

Purification and characterization of two forms of cytochrome P-450 from rat kidney cortex microsomes. Yoshimoto M, et al. **Biochem Int** 1986 Nov;13(5):749-55

Characteristics of cultured human renal cortical epithelia. States B, et al. **Biochem Med Metab Biol** 1986 Oct; 36(2):151-61

Heterogeneous properties of alpha 2 adrenoceptors in particulate and soluble preparations of human platelet and rat and rabbit kidney. Cheung YD, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3767-75

Covalent labeling of a high-affinity, guanyl nucleotide sensitive parathyroid hormone receptor in canine renal cortex. Nissenson RA, et al. **Biochemistry** 1987 Apr 7; 26(7):1874-8

Characteristics of lysine transport by isolated rat renal cortical tubule fragments. Bowring MA, et al. **Biochim Biophys Acta** 1987 Jul 10;901(1):23-9

p-Aminohippurate transport in basal-lateral membrane vesicles from rabbit renal cortex: stimulation by pH and sodium gradients. Eveloff J. **Biochim Biophys Acta** 1987 Mar 12;897(3):474-80

Characteristics of lysine uptake by isolated renal cortical tubule fragments from mature and immature dogs. Foreman JW, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):127-33

Renal brush border glutamine transport: comparison between in situ and isolate membrane vesicle uptake. Harrison D, et al. **Biochim Biophys Acta** 1987 Sep 3;902(3):301-6

Evidence for a single common Na+-dependent transport system for alanine, glutamine, leucine and phenylalanine in brush-border membrane vesicles from bovine kidney. Lynch AM, et al. **Biochim Biophys Acta** 1987 May 29; 899(2):176-84

Diethylpyrocarbonate inhibition of sodium-glucose cotransport in kidney brush-border membrane vesicles. Poirée JC, et al. **Biochim Biophys Acta** 1987 Jun 30; 900(2):291-4

Sulfhydryl groups are essential for organic anion exchange in canine renal brush-border membranes. Sokol PP, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):335-42

Transport of p-aminohippurate in renal cortical slices of rats of different ages following treatment with thyroid hormones. Bräunlich H. **Biomed Biochim Acta** 1987; 46(4):251-7

Release of lactate dehydrogenase activity by rabbit renal cortex slices during storage in solutions used for kidney transplantation. Figueiredo JF, et al. **Braz J Med Biol Res** 1986;19(2):303-9

Interaction of aminoglycosides with heparan sulfate from rat kidney. Aramaki Y, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):756-60

Development and application of a superfusion technique for the study of renin secretion in rat renal cortical cells. Drury PL, et al. **Clin Sci** 1986 Nov;71(5):581-7

Kinetics of the renal cortical uptake and release of aminoglycosides: a rational approach to the understanding and prevention of their nephrotoxicity. Giuliano RA, et al. **Dev Toxicol Environ Sci** 1986;14:105-14

Stimulation of phosphatidylcholine biosynthesis in diabetic hypertrophic kidneys. Suzuki Y, et al. **Endocrinology** 1987 Feb;120(2):595-601

Effect of age on parathyroid hormone and forskolin stimulated adenylate cyclase and protein kinase activity in the renal cortex. Armbrecht HJ, et al. **Exp Gerontol** 1986; 21(6):515-22

The inhibitory role of 12- and 15-lipoxygenase products on renin release. Antonipillai I, et al. **Hypertension** 1987 Jul; 10(1):61-6

Inhibition of renin release by analogues of adenosine in rabbit renal cortical slices. Barchowsky A, et al. **Hypertension** 1987 Jun;9(6):619-23

The relationship between the rate of glutamate deamination and long-chain acyl-CoA accumulation in kidney cortex mitochondria of rabbit. Dzik JM. **Int J Biochem** 1987; 19(3):285-8

Study on pulmonary, prostatic and renal (medulla and cortex) distribution of sagamicin at different time intervals. Fraschini F, et al. **Int J Clin Pharmacol Res** 1987;7(1):51-8

Differentiated distribution of norfloxacin in the medullary-cortical part of the kidney in man. Scaglione F, et al. **Int J Clin Pharmacol Res** 1986;6(5):351-4

Pantothenate-sodium cotransport in renal brush-border membranes. Barbarat B, et al. **J Biol Chem** 1986 Nov 5; 261(31):14455-60

Covalent modification of the renal Na+/H+ exchanger by N,N'-dicyclohexylcarbodiimide. Igarashi P, et al. **J Biol Chem** 1987 Jan 15;262(2):860-8

Degradation of atrial natriuretic factor by kidney cortex membranes. Isolation and characterization of the primary proteolytic product. Koehn JA, et al. **J Biol Chem** 1987 Aug 25;262(24):11623-7

Identification of D-glucose-binding polypeptides which are components of the renal Na+-D-glucose cotransporter. Neeb M, et al. **J Biol Chem** 1987 Aug 5;262(22):10718-27

Isolation and partial purification of a Na+-dependent phlorizin receptor from dog kidney proximal tubule. Silverman M, et al. **J Biol Chem** 1986 Oct 15; 261(29):13820-6

Interactions of [14C]phosphonoformic acid with renal cortical brush-border membranes. Relationship to the Na+-phosphate co-transporter. Szczepanska-Konkel M,

et al. **J Biol Chem** 1987 Jun 15;262(17):8000–10

Parallel adaptation of the rabbit renal cortical sodium/proton antiporter and sodium/bicarbonate cotransporter in metabolic acidosis and alkalosis. Akiba T, et al. **J Clin Invest** 1987 Aug;80(2):308–15

Electrogenic sodium/bicarbonate cotransport in rabbit renal cortical basolateral membrane vesicles. Akiba T, et al. **J Clin Invest** 1986 Dec;78(6):1472–8

A1 and A2 adenosine receptors in rabbit cortical collecting tubule cells. Modulation of hormone-stimulated cAMP. Arend LJ, et al. **J Clin Invest** 1987 Mar;79(3):710–4

Sodium regulation of angiotensinogen mRNA expression in rat kidney cortex and medulla. Ingelfinger JR, et al. **J Clin Invest** 1986 Nov;78(5):1311–5

Effect of acidosis on chloride transport in the cortical thick ascending limb of Henle perfused in vitro. Wingo CS. **J Clin Invest** 1986 Nov;78(5):1324–30

Selective availability of protein bound estrogen and estrogen conjugates to the rat kidney. Chaudhuri G, et al. **J Endocrinol Invest** 1987 Jun;10(3):283–90

Existence of renal alpha 1- and alpha 2-adrenoceptors in the human kidney: radioligand binding study in membranes from the human renal cortex and medulla. Umemura S, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S222–5

Effect of acivicin on glutamine transport by rat renal brush border membrane vesicles. Sastrasinh S, et al. **J Lab Clin Med** 1986 Oct;108(4):301–8

Maintenance of epithelial surface membrane lipid polarity: a role for differing phospholipid translocation rates [published erratum appears in J Membr Biol 1986;94(3):300] Molitoris BA, et al. **J Membr Biol** 1986;94(1):47–53

Cell membrane water permeability of rabbit cortical collecting duct. Strange K, et al. **J Membr Biol** 1987; 96(1):27–43

Osmotic water permeabilities of brush border and basolateral membrane vesicles from rat renal cortex and small intestine. van Heeswijk MP, et al. **J Membr Biol** 1986;92(2):183–93

Protein kinase C activates the renal apical membrane Na+/H+ exchanger. Weinman EJ, et al. **J Membr Biol** 1986;93(2):133–9

Inhibition by cyclic GMP of p-aminohippurate uptake by basolateral membrane vesicles isolated from rat kidney cortex. Hori M, et al. **J Pharmacobiodyn** 1986 May; 9(5):510–2

Inhibitory effects of calcium channel agonists on renin release from rat kidney cortical slices. Matsumura Y, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):1000–5

The neurotoxins 1-methyl-4-phenylpyridinium and 1-methyl-4-phenyl-1,2,3,6- tetrahydropyridine are substrates for the organic cation transporter in renal brush border membrane vesicles. Sokol PP, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):152–7

Lysosomes of the renal cortex: heterogeneity and role in protein handling. Andersen KJ, et al. **Kidney Int** 1987 Apr; 31(4):886–97

Effect of age and diabetes on type IV collagen and laminin in human kidney cortex. Karttunen T, et al. **Kidney Int** 1986 Oct;30(4):586–91

Transport studies in plasma membrane vesicles isolated from renal cortex. Murer H, et al. **Kidney Int** 1986 Aug; 30(2):171–86 (370 ref.)

Effect of experimental diabetes on insulin binding by renal basolateral membranes. Rabkin R, et al. **Kidney Int** 1986 Sep;30(3):348–54

Polycation binding to glomerular basement membrane. Effect of biochemical modification. Bertolatus JA, et al. **Lab Invest** 1987 Feb;56(2):170–9

Protective effects of hydralazine in a renal ischemia model in the rat. Vergona RA, et al. **Life Sci** 1987 Aug 3; 41(5):563–9

Na-Ca exchange in renal tubular basolateral membranes. Talor Z, et al. **Miner Electrolyte Metab** 1986;12(4):239–45

Development of a test to evaluate the transtubular potassium concentration gradient in the cortical collecting duct in vivo. West ML, et al. **Miner Electrolyte Metab** 1986; 12(4):226–33

Mechanism of transport for toxic cysteine conjugates in rat kidney cortex membrane vesicles. Schaeffer VH, et al. **Mol Pharmacol** 1987 Aug;32(1):293–8

Effect of in vivo administration of thyroid hormone on phosphate uptake of brush border membrane vesicles from kidney cortex of rachitic rats. Umano T, et al. **Osaka City Med J** 1986 Aug;32(1):41–8

Adaptation of phosphate transport to low phosphate diet in renal and intestinal brush border membrane vesicles: influence of sodium and pH. Caverzasio J, et al. **Pflugers Arch** 1987 Jul;409(3):333–6

High-conductance K+ channel in apical membranes of principal cells cultured from rabbit renal cortical collecting duct anlagen. Gitter AH, et al. **Pflugers Arch** 1987 Mar; 408(3):282–90

Corticosteroid metabolism in rat kidney in vitro. IV. Subcellular, sites of 11 beta-hydroxysteroid dehydrogenase activity. Kobayashi N, et al. **Pflugers Arch** 1987 Jan; 408(1):46–53

Kinetic studies of sulfate transport in basolateral membrane vesicles from rat renal cortex. Shimada H, et al. **Pflugers Arch** 1986;407 Suppl 2:S160–7

Attribution of [3H]bumetanide binding to the Na+K+Cl 'co-transporter' in rabbit renal cortical plasma membranes: a caveat. Griffiths NM, et al. **Q J Exp Physiol** 1987 Jul; 72(3):313–29

Papaverine inhibits binding of [3H]-prazosin and [3H]-yohimbine to rat renal cortical membranes. O'Hara N, et al. **Res Commun Chem Pathol Pharmacol** 1986 Nov; 54(2):157–71

[Extraneuronal production of dopamine by the rat kidney] Richet G, et al. **Bull Mem Acad R Med Belg** 1986; 141(5–6):350–9 (Eng. Abstr.) **(Fre)**

[Effect of hypokinesia on the intensity of gluconeogenesis in the rat kidney cortex] Ershikov SM. **Kosm Biol Aviakosm Med** 1986 Sep–Oct;20(5):41–4 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Altered glomerular localization of heparan sulfate proteoglycan in experimental nephritides. Uchida M, et al. **Acta Pathol Jpn** 1986 Jun;36(6):827–38

Sonography of the hypertrophied column of Bertin [letter] Seppala RE, et al. **AJR** 1987 Jun;148(6):1277–8

Defective adaptation to a low phosphate environment by cultured renal tubular cells from X-linked hypophosphatemic (Hyp) mice. Kinoshita Y, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):763–9

The cortical distribution pattern of diabetic glomerulopathy [letter] Morita T, et al. **Diabetologia** 1986 Sep;29(9):673

Increased renal cortical echogenicity in pediatric renal disease: histopathologic correlations. Brenbridge AN, et al. **JCU** 1986 Oct;14(8):595–600

Visualization of the renal cortex by magnetic resonance imaging. Ishikawa I, et al. **Nippon Jinzo Gakkai Shi** 1987 Mar;29(3):315–21

Magnetic resonance appearance of the kidneys in paroxysmal nocturnal hemoglobinuria. Lupetin AR. **Urol Radiol** 1986; 8(2):101–3

[Renal pseudotumor based on hypertrophy of the columnae Bertini] Kočí K, et al. **Cesk Radiol** 1986 Aug;40(4):280–5 (Eng. Abstr.) **(Cze)**

[Tubulo-interstitial nephropathy with cortical microcysts: apropos of a case (letter)] Bérard E, et al. **Nephrologie** 1986; 7(5):212–3 **(Fre)**

PHYSIOLOGY

Calcium modulates vasopressin effect in rabbit cortical collecting tubule. Dillingham MA, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F115–21

Ionic permeabilities of rat renal cortical brush-border membrane vesicles. Lipkowitz MS, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F700–11

Involvement of calmodulin in mediating inhibitory action of intracellular Ca2+ on renin secretion. Park CS, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):F1055–62

Proton nuclear magnetic resonance measurement of diffusional water permeability in suspended renal proximal tubules. Verkman AS, et al. **Biophys J** 1987 May; 51(5):717–23

Stimulation and suppression of renin release from incubations of rat renal cortex by factors affecting calcium flux. May CN, et al. **Br J Pharmacol** 1986 Sep;89(1):173–82

The cortical thick ascending limb and early distal convoluted tubule in the urinary concentrating mechanism. Greger R, et al. **Kidney Int** 1987 Feb;31(2):590–6 (42 ref.)

Effect of potassium adaptation on the distribution of potassium, sodium and chloride across the apical membrane of renal tubular cells. Beck FX, et al. **Pflugers Arch** 1987 Aug;409(4–5):477–85

Simultaneous measurement of metabolic carbon dioxide production and carbon dioxide tension in the renal cortex. Adrogué HJ, et al. **Trans Assoc Am Physicians** 1985; 98:74–84

PHYSIOPATHOLOGY

Influence of cadmium-metallothionein pretreatment on tolerance of rat kidney cortical cells to cadmium toxicity in vitro and in vivo. Jin T, et al. **Pharmacol Toxicol** 1987 May;60(5):345–9

Sensitivity of cortical transit and furosemide response in the diagnosis of renal obstruction. An experimental model. Piepsz A, et al. **Uremia Invest** 1985–86;9(2):245–52

RADIONUCLIDE IMAGING

Differential diagnosis of prolonged cortical retention of radiotracer in technetium-99m DTPA renal scintigraphy. Blue PW, et al. **Clin Nucl Med** 1987 Jan;12(1):77–83

SECRETION

Pertussis toxin reverses adenosine receptor-mediated inhibition of renin secretion in rat renal cortical slices. Rossi NF, et al. **Life Sci** 1987 Feb 2;40(5):481–7

ULTRASTRUCTURE

Essential tyrosine residues in transport of organic cations in renal BBMV. Hsyu PH, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1065–72

Cimetidine transport in rabbit renal cortical brush-border membrane vesicles. McKinney TD, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F525–35

Association of isolated bovine kidney cortex peroxisomes with endoplasmic reticulum. Zaar K, et al. **Biochim Biophys Acta** 1987 Feb 12;897(1):135–42

Intramitochondrial inclusions in the kidney of the pygmy mouse. Zimny ML, et al. **Comp Biochem Physiol [A]** 1986; 85(3):557–62

HCO3- transport in basolateral membrane vesicles isolated from rat renal cortex. Grassl SM, et al. **J Biol Chem** 1987 Feb 25;262(6):2682–7

Stoichiometry of Na+-HCO-3 cotransport in basolateral membrane vesicles isolated from rabbit renal cortex. Soleimani M, et al. **J Clin Invest** 1987 Apr;79(4):1276–80

Amphotericin B and amphotericin B methylester: effect on brush border membrane permeability. Capasso G, et al. **Kidney Int** 1986 Sep;30(3):311–7

Transport of organic cations in brush border membrane vesicles from rabbit kidney cortex. Rafizadeh C, et al. **Pflugers Arch** 1986 Oct;407(4):404–8

KIDNEY CORTEX NECROSIS

CHEMICALLY INDUCED

Inhibition of fibrinolytic system by liquoid (polyanetholesulfonate). A contributing factor in the liquoid-induced renal cortical necrosis. Gilboa N, et al. **Haemostasis** 1987;17(3):162–70

CONGENITAL

Renal and cerebral necrosis in survivor after in utero death of co-twin. Bulla M, et al. **Arch Gynecol** 1987;240(2):119–24

PATHOLOGY

Histochemical and ultrastructural study of renal cortical necrosis in rats treated with oestrone + vasopressin, and its prevention with a vasopressin antagonist. Kocsis J, et al. **Br J Exp Pathol** 1987 Feb;68(1):35–43

KIDNEY, CYSTIC

[Simple renal cyst] Hannig S, et al. **Rev Chil Pediatr** 1986 Jan–Feb;57(1):67–9 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

Renal cystic disease--problems in identification, inheritance and prognosis: a review. Shaw DG, et al. **J R Soc Med** 1986 Aug;79(8):476–7

COMPLICATIONS

Simple renal cyst and hypertension: cause or coincidence? Lüscher TF, et al. **Clin Nephrol** 1986 Aug;26(2):91–5

Acquired renal cystic disease and renal adenocarcinoma in a long term renal transplant patient [letter] Arias M, et al. **Int J Artif Organs** 1986 Jul;9(4):271–2

Renal lesions in tuberous sclerosis. Stillwell TJ, et al. **J Urol** 1987 Sep;138(3):477–81

A patient with known unilateral renal cysts who developed epigastric pain, nausea and vomiting. Gutnik LM, et al. **SD J Med** 1986 Sep;39(9):31–2

[Two cases of multilocular renal cell carcinoma] Goto A, et al. **Hinyokika Kiyo** 1987 Apr;33(4):585–91 (Eng. Abstr.) **(Jpn)**

[A case of renal cell carcinoma with the complication of a giant cyst difficult to distinguish from xanthoma] Okamura T, et al. **Hinyokika Kiyo** 1987 Mar;33(3):409–13 (Eng. Abstr.) **(Jpn)**

CONGENITAL

Congenital anterior urethral diverticulum associated with bilateral urinomas and dysplastic kidneys. Sirota L, et al. **Helv Paediatr Acta** 1986 Oct;41(4):353–7

[Tubulo-interstitial nephropathy with cortical microcysts: apropos of a case (letter)] Bérard E, et al. **Nephrologie** 1986; 7(5):212–3 **(Fre)**

DIAGNOSIS

Puncture of unilateral renal cyst in utero. Temmerman M, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Oct; 23(1–2):107–10

Kidney puncture revisited. Göthlin JH. **Eur J Radiol** 1987 May;7(2):76–82

MR imaging of milk of calcium renal cyst. Kinard RE, et al. **J Comput Assist Tomogr** 1986 Nov–Dec;10(6):1057–9

Sonography of hemorrhagic cysts with computed tomographic correlation. Gooding GA. **J Ultrasound Med** 1986 Dec;5(12):699–702

Caliceal obstruction owing to a large parapelvic cyst: excretory urography, ultrasound and computerized tomography findings. Barloon TJ, et al. **J Urol** 1987 Feb; 137(2):270–1

Complex and simple renal cysts: comparative evaluation with MR imaging. Marotti M, et al. **Radiology** 1987 Mar; 162(3):679–84

Role of ultrasonography in the study of multilocular cystic nephroma. Angelelli G, et al. **Rays** 1986 May–Aug; 11(2):87–92

Renal cyst puncture studies. Lang EK. **Urol Clin North Am** 1987 Feb;14(1):91–102

Sonographic evaluation of renal masses. Baltarowich OH, et al. **Urol Radiol** 1987;9(2):79–87 (45 ref.)

Shrinking and disappearing renal cysts. Friedland GW. **Urol Radiol** 1987;9(1):21–5

Renal peripelvic multicystic lymphangiectasia. Kutcher R, et al. **Urology** 1987 Aug;30(2):177–9

[Multilocular cyst of the kidney: report of 7 cases] Cai SL,

et al. **Chung Hua Wai Ko Tsa Chih** 1987 Feb;25(2):76–7, 124–5 (Eng. Abstr.) **(Chi)**

[Cystosis or lipomatosis of the renal sinus?] Merta M, et al. **Cas Lek Cesk** 1986 Oct 17;125(41–42):1291–3 (Eng. Abstr.) **(Cze)**

[Parapyelic cysts] Loze JF, et al. **J Urol (Paris)** 1986; 92(2):85–9 (Eng. Abstr.) **(Fre)**

[Retrospective analysis of the use of imaging procedures in the diagnosis of renal cysts] Schmidt S, et al. **Radiol Diagn (Berl)** 1987;28(2):217–21 (Eng. Abstr.) **(Ger)**

[An incidental finding of renal cysts: routine occurrence or a finding deserving clarification?] Lüscher TF, et al. **Schweiz Med Wochenschr** 1987 May 23;117(21):785–94 (60 ref.) (Eng. Abstr.) **(Ger)**

[Magnetic resonance tomography of cystic lesions of the kidneys] Luk'ianenok PI. **Sov Med** 1986;(12):45–50 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Triiodothyronine-induced cyst formation in metanephric organ culture: the role of increased Na–K–adenosine triphosphatase activity. Avner ED, et al. **J Lab Clin Med** 1987 Apr;109(4):441–53

ETIOLOGY

Acquired cystic disease of the kidney in association with chronic ambulatory peritoneal dialysis. Katz A, et al. **Am J Kidney Dis** 1987 May;9(5):426–9

Renal adenocarcinoma and acquired cystic disease in chronic hemodialysis patients. MacDougall ML, et al. **Am J Kidney Dis** 1987 Feb;9(2):166–71

The development of acquired renal cystic disease and neoplasia in a chronic haemodialysis patient. Henson JH, et al. **Br J Radiol** 1985 Dec;58(696):1215–7

Acquired cystic disease of the kidney [letter] Viner NJ, et al. **Br Med J [Clin Res]** 1987 Jan 10;294(6564):121–2

Evidence for acquired cystic disease during hemodialytic treatment [letter] Beilinghieri G, et al. **Clin Nephrol** 1986 Oct;26(4):216

Acquired cystic disease of the kidney in patients on hemodialysis. Taves DH. **J Can Assoc Radiol** 1986 Sep; 37(3):161–3

Renal adenocarcinoma and end stage kidney disease. Boileau M, et al. **J Urol** 1987 Sep;138(3):603–6

Renal cell carcinoma and acquired cystic kidney disease after renal transplantation [letter] Faber M, et al. **Lancet** 1987 May 2;1(8540):1030–1

beta 2-Microglobulin-derived amyloid deposition in acquired cystic disease of the kidney with renal cell carcinoma. Ishikawa I, et al. **Nephron** 1987;46(1):101–2

[Renal cell carcinoma in a long-term hemodialysis patient: a case report of its interesting clinical course] Eto H, et al. **Hinyokika Kiyo** 1986 Aug;32(8):1135–9 (Eng. Abstr.) **(Jpn)**

[Acquired cystic disease of the kidneys] Siciński A. **Pol Arch Med Wewn** 1986 Jul;76(1):65–9 **(Pol)**

FAMILIAL & GENETIC

Familial adult glomerulocystic kidney disease. Carson RW, et al. **Am J Kidney Dis** 1987 Feb;9(2):154–65

METABOLISM

Penetration of piperacillin into renal cysts. Bonadio M, et al. **Drugs Exp Clin Res** 1986;12(11):895–7

PATHOLOGY

Needle puncture of cystic renal masses: a survey of the Society of Uroradiology. Amis ES Jr, et al. **AJR** 1987 Feb; 148(2):297–9

Multilocular renal cyst. A hamartoma with potential for neoplastic transformation? Sherman ME, et al. **Arch Pathol Lab Med** 1987 Aug;111(8):732–6

Beta 2-microglobulin level of cyst fluid in uremic acquired cystic disease of the kidney [letter] Ishikawa I. **Nephron** 1986;44(4):381

The renal lesions of tuberous sclerosis. Bernstein J, et al. **Semin Diagn Pathol** 1986 May;3(2):97–105

[The multicystic kidney. 3 bilateral and 17 unilateral cases] Lederman J, et al. **Ugeskr Laeger** 1986 Sep 15; 148(38):2403–6 (Eng. Abstr.) **(Dan)**

[Basement membrane of the human kidney during development and in cystic diseases] Birembaut P, et al. **Arch Anat Cytol Pathol** 1986;34(4):209–14 (Eng. Abstr.) **(Fre)**

[Case report on the immunocytochemical differential diagnosis of serous effusions and cyst fluids] Ammon A, et al. **Onkologie** 1987 Apr;10(2):97–8 **(Ger)**

[Multilocular cyst of the kidney] Drobner VL, et al. **Urol Nefrol (Mosk)** 1986 Nov–Dec;(6):54–5 **(Rus)**

[Simple renal cysts in childhood] Olagüe de Ros R, et al. **An Esp Pediatr** 1986 Nov;25(5):341–4 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Spontaneous renal hemorrhage due to cyst rupture: CT findings. Davis JM 3d, et al. **AJR** 1987 Apr;148(4):763–4

Parapelvic lymph cyst in a renal allograft mimicking hydronephrosis: CT diagnosis. Ehrman KO, et al. **J Comput Assist Tomogr** 1987 Jul–Aug;11(4):714–6

Hyperdense parapelvic cyst confused with renal tumor. Shah HR, et al. **South Med J** 1987 Mar;80(3):389–91

[A report of three cases of renal cell carcinoma with multilocular cystic changes seen on CT] Kawashima H, et al. **Rinsho Hoshasen** 1986 Nov;31(12):1473–6 (Eng. Abstr.) **(Jpn)**

[Pararenal pseudocyst in an ectopic kidney] Zubiaur Libano C, et al. **Arch Esp Urol** 1987 Apr;40(3):201–3 (Eng. Abstr.) **(Spa)**

SURGERY

[Long-course hypertension resolved after surgical treatment of a lone renal cyst (letter)] Ramírez Herrete M, et al. **Med Clin (Barc)** 1986 Sep 13;87(7):305 **(Spa)**

THERAPY

[Percutaneous treatment of renal cysts] Kočí K. **Rozhl Chir** 1986 Nov;65(11):720–6 (Eng. Abstr.) **(Cze)**

[CT-guided sclerosing therapy of kidney cysts. Report of experience with 100 patients] Mansfeld L, et al. **ROFO** 1987 Jun;146(6):674–80 (Eng. Abstr.) **(Ger)**

[Drug sclerosing of kidney cysts] Reuter HJ. **Z Urol Nephrol** 1986 Sep;79(9):503–9 (Eng. Abstr.) **(Ger)**

[Echo-guided needle aspiration and treatment of renal cysts with fibrin glue. Preliminary experience] Martinelli G, et al. **Ann Ital Chir** 1986;58(2–4):213–9 **(Ita)**

KIDNEY DISEASES

Proceedings from the symposium on Progress in Renal Disease in honor of Dr Jacob Churg's 75th birthday. New York, New York, May 23rd, 1986. **Am J Kidney Dis** 1987 Sep;10(3):155–230

Quiz of the month: Nephrology consultant discussion. Feinstein EI. **Am J Nephrol** 1987;7(2):132

New perspectives in diagnosis and treatment of kidney disease. **Contrib Nephrol** 1987;55:1–256

Nephrocolic fistula. Kzramchandani MC, et al. **Dis Colon Rectum** 1986 Nov;29(11):747–9

Outcome of pregnancy in Nigerian women with renal insufficiency. Ojogwu LI, et al. **East Afr Med J** 1986 Aug; 63(8):531–8

Corneal crystals, myopathy and nephropathy: a new syndrome? Arnold RW, et al. **J Pediatr Ophthalmol Strabismus** 1987 May–Jun; 24(3):151–5

Abstracts. American Society of Nephrology. December 7–10, 1986, Washington, DC. **Kidney Int** 1987 Jan;31(1):158–496

Abstracts. Dutch Society of Nephrology. 29th scientific meeting. Leuven, Belgium, April 12, 1986. **Kidney Int** 1986 Oct;30(4):631–7

Abstracts. The Australasian Society of Nephrology. 22nd annual scientific meeting. Perth, Australia, February 12–14, 1986. **Kidney Int** 1986 Oct;30(4):613–30

Abstracts. Société de Néphrologie. Paris, France, January 29, 1986. **Kidney Int** 1986 Oct;30(4):638–43

Abstracts. Swiss Society of Nephrology. Lucerne, Switzerland, December 6, 1985. **Kidney Int** 1986 Sep; 30(3):453–9

Abstracts. Italian Society of Nephrology. Verona, Italy, June 10–12, 1982. **Kidney Int** 1983 Apr;23(4):656–61

18th Congress of the Society for Nephrology. Frankfurt am Main, 21–24 September 1986. **Klin Wochenschr** 1986 Sep 15;64(18):813–96 **(Eng, Mul)**

Using computers to care for patients with renal disorders. Stead WW. **MD Comput** 1984;1(5):42–50

The renal involvement in scleroderma. A clinical and morphologic study. Voiculescu M, et al. **Med Interne** 1986 Oct–Dec;24(4):277–84

Scottish Renal Association meeting. 31 October–1 November 1986. **Nephrol Dial Transplant** 1987;2(1):56–63

Abstracts. European Dialysis and Transplant Association–European Renal Association: XXIIIrd annual congress. Budapest, 30 June–3 July 1986. **Nephrol Dial Transplant** 1986;1(2):68–146

Abstracts: annual meeting of the Irish Nephrological Society. Dublin, Eire, March 1986. **Nephrol Dial Transplant** 1987; 2(2):127–9

Pediatric nephrology. **Pediatr Clin North Am** 1987 Jun; 34(3):545–823

Research grant applications to the National Institutes of Health in the area of pediatric nephrology--an update. Novello AC. **Pediatr Res** 1986 Nov;20(11):1067–70

A five-year analysis of kidney and related diseases research: a National Institutes of Health perspective. Novello AC. **Semin Nephrol** 1986 Jun;6(2):105–13

Granulomatous nephritis. Cohen MS. **Urol Clin North Am** 1986 Nov;13(4):647–59 (118 ref.)

[Hydatid cyst of the kidney. Apropos of 30 cases] Benchekroun A, et al. **J Urol (Paris)** 1986;92(3):171–6 (Eng. Abstr.) **(Fre)**

[Austrian Society for Nephrology, 5th Austrian nephrology meeting. Klagenfurt, 7 June 1986. Abstracts] **Wien Med Wochenschr [Suppl]** 1987;101:1–XIX **(Ger)**

[Spontaneous perirenal extravasation of urine] Prati GF, et al. **Chir Ital** 1986 Jun;38(3):288–93 (Eng. Abstr.) **(Ita)**

[28th annual meeting of the Japanese Society of Nephrology. Abstracts] **Nippon Jinzo Gakkai Shi** 1986 May; 28(5):491–697 **(Jpn)**

[16th regional meeting of East and West Japan, Japanese Society of Nephrology. Abstracts] **Nippon Jinzo Gakkai Shi** 1986 Dec;28(12):1553–700 **(Jpn)**

[A complication of following resection of a kidney for cancer] Mitriaev IuI, et al. **Urol Nefrol (Mosk)** 1987 Jan–Feb;(1):54–5 **(Rus)**

[13th national meeting on pediatric nephrology and 2d national ATS meeting on pediatric nephrology. Sitges, 15–19 October 1986. Abstracts] **An Esp Pediatr** 1987 May; 26(5):382–94 **(Spa)**

BLOOD

Sodium and potassium concentrations of red blood cells and plasma in children with nephrotic syndrome, uraemia and pyelonephritis. Toldi Z, et al. **Acta Paediatr Hung** 1986; 27(4):283–8

Role of endotoxin in hepatorenal syndrome. Passavanti G, et al. **Adv Exp Med Biol** 1987;212:167–77

Comparison of dysmorphic erythrocytes with other urinary sediment parameters of renal bleeding. Thal SM, et al. **Am J Clin Pathol** 1986 Dec;86(6):784–7

Atrial natriuretic peptide blocks renin response to renal hypotension. Scheuer DA, et al. **Am J Physiol** 1987 Feb; 252(2 Pt 2):R423–7

Effects of renal impairment on a new time-resolved fluoroimmunoassay for serum digoxin. Paterson NC, et al. **Ann Clin Biochem** 1987 Mar;24 (Pt 2):205–6

Hyperuricemia and uric acid nephropathy [clinical conference] Dykman D, et al. **Arch Intern Med** 1987 Jul; 147(7):1341–5

Binding of drugs to sera of patients with renal disease and liver disease. Matsushita Y, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan;35(1):308–14

Improved interassay correlation of digoxin results in patients with and without renal failure by elimination of digoxin-like immunoreactive factors. Skogen WF, et al. **Clin Chem** 1987 Jun;33(6):837–9

Interference of digoxin-like immunoreactive substances with three digoxin immunoassays in patients with various degrees of renal function. Pleasants RA, et al. **Clin Pharm** 1986 Oct;5(10):810–6

Protein binding of tolfenamic acid in the plasma from patients with renal and hepatic disease. Lázníček M, et al. **Eur J Clin Pharmacol** 1986;30(5):591–6

Dosage adjustment for ceftazidime in patients with impaired renal function. van Dalen R, et al. **Eur J Clin Pharmacol** 1986;30(5):597–605

Further investigations on the significance of a plasma coagulation-accelerating factor in glomerular disease. Howard MA, et al. **Haemostasis** 1987;17(3):121–6

The influence of single or repeated phlebotomy on the physiological condition of normal and diseased rats. Furuhama K, et al. **J Toxicol Sci** 1987 Feb;12(1):1–9

Circulating hyaluronate. A potential marker of altered metabolism of the connective tissue in uremia. Hällgren R, et al. **Nephron** 1987;46(2):150–4

[Hyperuricemic nephropathy] Dong DC, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Sep;25(9):543–6, 576 (Eng. Abstr.) **(Chi)**

[Changes in plasma binding of ortho-iodobenzoate and ortho-iodohippuran in patients with kidney and liver diseases] Lázníček M, et al. **Cesk Farm** 1987 Apr; 36(3):97–102 (Eng. Abstr.) **(Cze)**

[Malakoplakia at 3 sites: the bladder, urethra and kidney. Isolation and ultrastructural study of blood monocytes] Kantelip B, et al. **Ann Pathol** 1987;7(2):143–8 (Eng. Abstr.) **(Fre)**

[Serum and urine beta-2-microglobulin levels in various kidney diseases] Polner K, et al. **Orv Hetil** 1987 Feb 1; 128(5):247–53 (Eng. Abstr.) **(Hun)**

[Disordered repair processes in patients with gouty nephropathy] Savitskil SN, et al. **Ter Arkh** 1986;58(8):33–5 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Interstitial focal fibrosis and reduction in proximal tubular length in adult rats after lithium treatment. Ottosen PD, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1986 Nov; 94(6):401–3

Uses of gamma-glutamyltransferase in experimental toxicology. Braun JP, et al. **Adv Vet Sci Comp Med** 1987; 31:151–72 (251 ref.)

Cyclosporin A-induced nephrotoxicity in the rat: relationship to increased plasma renin activity. McAuley FT, et al. **Agents Actions** 1987 Jun;21(1–2):209–16

Sonography in the diagnosis of acute renal allograft rejection and cyclosporine nephrotoxicity. Linkowski GD, et al. **AJR** 1987 Feb;148(2):291–5

Cancer chemotherapy-induced tubular nephrotoxicity evaluated by immunochemical determination of urinary adenosine deaminase binding protein. Goren MP, et al. **Am J Clin Pathol** 1986 Dec;86(6):780–3

Early detection of the nephrotoxic effects of industrial chemicals: state of the art and future prospects. Lauwerys RR, et al. **Am J Ind Med** 1987;11(3):275–85 (41 ref.)

A cross-sectional survey of kidney function in refinery employees. Viau C, et al. **Am J Ind Med** 1987;11(2):177–87

Drug-induced nephrotoxicity: an international symposium. Antwerp, Belgium, September 27–28, 1985. **Am J Kidney Dis** 1986 Nov;8(5):283–383

Modification of experimental aminoglycoside nephrotoxicity.

Bennett WM, et al. **Am J Kidney Dis** 1986 Nov;8(5):292–6

Indomethacin in streptozocin–induced nephrogenic diabetes insipidus. Delaney V, et al. **Am J Kidney Dis** 1987 Jan; 9(1):79–83

Cyclosporine nephrotoxicity: pathogenesis, prophylaxis, therapy, and prognosis. Kahan BD. **Am J Kidney Dis** 1986 Nov;8(5):323–31 (60 ref.)

Cyclosporine toxicity: the effect of combined therapy using cyclosporine, azathioprine, and prednisone. Lorber MI, et al. **Am J Kidney Dis** 1987 Jun;9(6):476–84

Renal side effects of nonsteroidal antiinflammatory drugs: clinical relevance. Pirson Y, et al. **Am J Kidney Dis** 1986 Nov;8(5):338–44 (83 ref.)

Nephrotoxicity induced by cancer chemotherapy with special emphasis on cisplatin toxicity. Ries F, et al. **Am J Kidney Dis** 1986 Nov;8(5):368–79 (158 ref.)

Cisplatin nephrotoxicity. Safirstein R, et al. **Am J Kidney Dis** 1986 Nov;8(5):356–67 (51 ref.)

Studies of risk factors for aminoglycoside nephrotoxicity. Smith CR, et al. **Am J Kidney Dis** 1986 Nov;8(5):308–13

Limitations of creatinine in quantifying the severity of cyclosporine–induced chronic nephropathy. Tomlanovich S, et al. **Am J Kidney Dis** 1986 Nov;8(5):332–7

The role of cell calcium overload in nephrotoxic renal tubular cell injury. Weinberg JM. **Am J Kidney Dis** 1986 Nov; 8(5):284–91

Renal injury induced by long–term administration of cyclosporin A to rats. Bertani T, et al. **Am J Pathol** 1987 Jun;127(3):569–79

Cyclosporine nephrotoxicity: sodium excretion, autoregulation, and angiotensin II. Kaskel FJ, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F733–42

Early identification of renal problems in patients receiving chronic lithium treatment. Samiy AH, et al. **Am J Psychiatry** 1987 May;144(5):670–2

Low osmolar contrast agents and nephrotoxicity [letter] Evans JR, et al. **Ann Intern Med** 1987 Jul;107(1):116

Cyclosporine nephrotoxicity without major organ transplantation. Nahman NS Jr, et al. **Ann Intern Med** 1987 Mar;106(3):400–2

Functional renal insufficiency during long–term therapy with captopril and enalapril in severe chronic heart failure. Packer M, et al. **Ann Intern Med** 1987 Mar;106(3):346–54

Renal impairment associated with non–steroidal anti–inflammatory drugs. Unsworth J, et al. **Ann Rheum Dis** 1987 Mar;46(3):233–6

Chronic lead nephropathy. Craswell PW. **Annu Rev Med** 1987;38:169–73 (25 ref.)

Cumulative and acute toxicity of repeated high–dose tobramycin treatment in cystic fibrosis. Pedersen SS, et al. **Antimicrob Agents Chemother** 1987 Apr;31(4):594–9

Correlation between renal membrane binding and nephrotoxicity of aminoglycosides. Williams PD, et al. **Antimicrob Agents Chemother** 1987 Apr;31(4):570–4

Nephrotoxicity of common drugs used in clinical practice. Cooper K, et al. **Arch Intern Med** 1987 Jul;147(7):1213–8 (37 ref.)

Cellular effects of reactive intermediates: nephrotoxicity of S–conjugates of amino acids. Anders MW, et al. **Arch Toxicol** 1987;60(1–3):103–8 (39 ref.)

The development of acetaminophen–induced nephrotoxicity in male Fischer 344 rats of different ages. Beierschmitt WP, et al. **Arch Toxicol** 1986 Dec;59(4):206–10

Induction of acute renal porphyria in Japanese quail by Aroclor 1254. Miranda CL, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3637–9

Failure of inhibition of lipid peroxidation by vitamin E to protect against gentamicin nephrotoxicity in the rat. Ramsammy LS, et al. **Biochem Pharmacol** 1987 Jul 1; 36(13):2125–32

Additive renal effects of indomethacin and dipyridamole in man. Seideman P, et al. **Br J Clin Pharmacol** 1987 Mar; 23(3):323–30

Potential nephrotoxic effects of exposure to silver. Rosenman KD, et al. **Br J Ind Med** 1987 Apr;44(4):267–72

Occupational cadmium exposure in jig solderers. Smith NJ, et al. **Br J Ind Med** 1986 Oct;43(10):663–6

Blood cyclosporin concentrations and renal allograft dysfunction. Holt DW, et al. **Br Med J [Clin Res]** 1986 Oct 25;293(6554):1057–9

Morphine intoxication in renal failure; the role of morphine–6–glucuronide [letter] Osborne R, et al. **Br Med J [Clin Res]** 1986 Oct 25;293(6554):1101

Renal abscess: complication of ethanol renal devitalization for hypertension in chronic renal failure. Magner P, et al. **Can Med Assoc J** 1987 May 15;136(10):1063–4

Renal toxicity with cumulative doses of cis–diamminedichloroplatinum–II in pediatric patients with osteosarcoma. Effect on creatinine clearance and methotrexate excretion. Jaffe N, et al. **Cancer** 1987 May 1;59(9):1577–81

Carboplatin (CBDCA), iproplatin (CHIP), and high dose cisplatin in hypertonic saline evaluated for tubular nephrotoxicity. Goren MP, et al. **Cancer Chemother Pharmacol** 1987;19(1):57–60

Transient nephrogenic diabetes insipidus following high–dose cyclophosphamide chemotherapy and autologous bone marrow transplantation. Finn G, et al. **Cancer Treat Rep** 1987 Feb;71(2):220–1

Ifosfamide–induced subclinical tubular nephrotoxicity despite mesna. Goren MP, et al. **Cancer Treat Rep** 1987 Feb; 71(2):127–30

Lack of nephrotoxicity in pediatric patients receiving concurrent vancomycin and aminoglycoside therapy. Nahata MC. **Chemotherapy** 1987;33(4):302–4

Two automated procedures for N–acetyl–beta–D–glucosaminidase determination evaluated for detection of drug–induced tubular nephrotoxicity. Goren MP, et al. **Clin Chem** 1986 Nov; 32(11):2052–5

Prevention of renal damage and decrease of urinary kinins excretion by chronic treatments with enalapril and captopril in stroke–prone spontaneously hypertensive rats. Kawashima K, et al. **Clin Exp Hypertens [A]** 1987; 9(2–3):409–13

The analgesic problem in the Federal Republic of Germany: analgesic consumption, frequency of analgesic nephropathy and regional differences. Pommer W, et al. **Clin Nephrol** 1986 Dec;26(6):273–8

Radiocontrast media nephrotoxicity. Clinical aspects. Arrigo G, et al. **Contrib Nephrol** 1987;55:176–84 (20 ref.)

Renal toxicity of ciclosporin. Clinical studies. Klintmalm GB. **Contrib Nephrol** 1986;51:126–32

Brief review of the morphology of ciclosporin nephropathy. Mihatsch MJ, et al. **Contrib Nephrol** 1987;55:136–41

Renin–angiotensin system and glomerular prostaglandins in early nephrotoxicity of ciclosporin. Perico N, et al. **Contrib Nephrol** 1986;51:120–5

Renal toxicity of nonsteroidal anti–inflammatory drugs. Pirani CL, et al. **Contrib Nephrol** 1987;55:159–75 (31 ref.)

Lead Nephropathy. Ritz E, et al. **Contrib Nephrol** 1987; 55:185–91 (48 ref.)

Nephrotoxicity of antibiotics and immunosuppressants. Proceedings of the satellite symposium. Sapporo, Japan, July 26–28, 1986. **Dev Toxicol Environ Sci** 1986;14:1–256

Drug–induced nephropathy: our recent clinical experience. Omata M, et al. **Dev Toxicol Environ Sci** 1986;14:15–20

Early biological indicators of S–(1,2–dichlorovinyl)–L–cysteine nephrotoxicity in the rabbit. Silber PM, et al. **Drug Chem Toxicol** 1986; 9(3–4):285–303

Effects of non–narcotic analgesics on the kidney. Kincaid–Smith P. **Drugs** 1986;32 Suppl 4:109–28 (177 ref.)

Azthreonam in the treatment of urinary tract infection: evaluation of efficacy, renal effects and nephrotoxicity. Donadio C, et al. **Drugs Exp Clin Res** 1987;13(3):167–70

Role of platelet–activating factor in adriamycin–induced nephropathy in rats. Egido J, et al. **Eur J Pharmacol** 1987 Jun 12;138(1):119–23

Morphogenesis of decalin–induced renal alterations in the male rat. Kanerva RL, et al. **Food Chem Toxicol** 1987 Jan; 25(1):53–61

Development of a short–term model of decalin inhalation nephrotoxicity in the male rat. Stone LC, et al. **Food Chem Toxicol** 1987 Jan;25(1):35–41

Decalin–induced nephrotoxicity: light and electron microscopic examination of the effects of oral dosing on the development of kidney lesions in the rat. Stone LC, et al. **Food Chem Toxicol** 1987 Jan;25(1):43–52

Urinary biochemical changes in workers exposed to mercury vapor. Himeno S, et al. **Ind Health** 1986;24(3):151–5

Renal tolerance of cefpirome (HR 810), a new cephalosporin antibiotic. Verho M, et al. **Infection** 1987 May–Jun; 15(3):215–9

Analgesics and kidney disease. Lanes SF, et al. **Int J Epidemiol** 1986 Dec;15(4):454–5

Infected renal hematoma complicating anticoagulant therapy. Morduchowicz G, et al. **Isr J Med Sci** 1987 Mar; 23(3):202–4

Nephrotoxic effect of tris(2,3–dibromopropyl)phosphate on rat urinary metabolites: assessment from 13C–NMR spectra of urines and biochemical and histopathological examinations. Fukuoka M, et al. **J Appl Toxicol** 1987 Feb; 7(1):23–34

Urinary tract effects of phensuximide in the Sprague–Dawley and Fischer 344 rat. Rankin GO, et al. **J Appl Toxicol** 1986 Oct;6(5):349–56

Sequential methotrexate, 5–fluorouracil, and cisplatin in the treatment of recurrent squamous–cell carcinoma of the head and neck: failure of hypertonic saline to reduce the nephrotoxicity of cisplatin. Dimery IW, et al. **J Clin Oncol** 1986 Nov;4(11):1670–6

Creatinine clearance as a predictor of ultrafilterable platinum disposition in cancer patients treated with cisplatin: relationship between peak ultrafilterable platinum plasma levels and nephrotoxicity. Reece PA, et al. **J Clin Oncol** 1987 Feb;5(2):304–9

Morphology of cyclosporine nephrotoxicity in human heart transplant recipients. Chomette G, et al. **J Heart Transplant** 1986 Jul–Aug;5(4):273–8

Effects of cyclosporine on renal function following orthotopic heart transplantation. McKenzie N, et al. **J Heart Transplant** 1985 Jul–Aug;4(4):400–3

Renal function and blood pressure in heart transplant recipients treated with cyclosporine. Rottembourg J, et al. **J Heart Transplant** 1985 Jul–Aug;4(4):404–8

Effect of parathyroid hormone activity on gentamicin nephrotoxicity. Elliott WC, et al. **J Lab Clin Med** 1987 Jan;109(1):48–54

Nephrotoxicity of vancomycin–gentamicin therapy in pediatric patients [letter] Swinney VR, et al. **J Pediatr** 1987 Mar;110(3):497–8

Pharmacologic probing of mercuric chloride–induced renal dysfunction in the neonatal rat. Gray JA, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):212–6

Hyperkalemia associated with sulindac therapy. Nesher G, et al. **J Rheumatol** 1986 Dec;13(6):1084–5

Studies on the nephrotoxicity of aminoglycoside antibiotics and protection from these effects (4). Effects of tobramycin alone and in combination with latamoxef on the stability of rat kidney lysosomal membranes. Kojima R, et al. **Jpn J Pharmacol** 1987 Jan;43(1):73–80

Studies on the nephrotoxicity of aminoglycoside antibiotics and protection from these effects (3). Protective effect of latamoxef against tobramycin nephrotoxicity and its protective mechanism. Kojima R, et al. **Jpn J Pharmacol** 1986 Nov;42(3):397–404

Nephrotoxicity of angiotensin converting enzyme inhibition. Donker AJ. **Kidney Int [Suppl]** 1987 May;20:S132–7 (66 ref.)

Glomerular abnormalities in patients receiving angiotensin converting enzyme inhibitor therapy. Lewis EJ. **Kidney Int [Suppl]** 1987 May;20:S138–42 (25 ref.)

Renal effects of enalapril in dogs. MacDonald JS, et al. **Kidney Int [Suppl]** 1987 May;20:S148–53

Amphotericin–B nephrotoxicity in humans decreased by sodium supplements with coadministration of ticarcillin or intravenous saline. Branch RA, et al. **Klin Wochenschr** 1987 Jun 1;65(11):500–6

Analgesic–associated nephropathy. Schwarz A. **Klin Wochenschr** 1987 Jan 5;65(1):1–16

Cyclosporin metabolites and nephrotoxicity [letter] Leunissen KM, et al. **Lancet** 1986 Dec 13;2(8520):1398

Deuterium isotope effect in acute N–(3,5–dichlorophenyl)succinimide–induced nephrotoxicity. Rankin GO, et al. **Life Sci** 1986 Oct 6; 39(14):1291–9

Minimal hepatic and renal function changes after isoflurane anesthesia. Luu KC, et al. **Ma Tsui Hsueh Tsa Chi** 1985 Sep;23(3):100–3

The role of prostaglandin synthesis inhibition in the renal syndromes associated with non–narcotic analgesics. Patrono C. **Med Toxicol** 1986;1 Suppl 1:23–33 (46 ref.)

Nephrotoxicity of cyclosporine [letter] **N Engl J Med** 1986 Nov 13;315(20):1291–2

Effect of long–term aluminum administration on the renal structure of the rat. Chagnac A, et al. **Nephron** 1987; 47(1):66–9

Gout, renal failure, and lead accumulation [letter] Labeeuw M, et al. **Nephron** 1987;46(2):222

Reduction of cis–dichlorodiammineplatinum(II) caused nephrotoxicity by indazolone carboxylic acid. Radačić M, et al. **Oncology** 1987;44(1):34–7

Deterioration of kidney function by high doses of co–trimoxazole in man. Vree TB, et al. **Pharm Weekbl [Sci]** 1987 Apr 24;9(2):117–24

Renal abscess: a complication of ethanol embolization. Tupper TB, et al. **Radiology** 1986 Oct;161(1):35–6

Acute nephrotoxic potential of acrylonitrile in Fischer–344 rats. Rouisse L, et al. **Res Commun Chem Pathol Pharmacol** 1986 Sep; 53(3):347–60

Pathology of gold nephropathy: a review. Watanabe IS, et al. **Sangyo Ika Daigaku Zasshi** 1987 Mar 20;9 Suppl:188–95 (68 ref.)

Pharmaco–epidemiological considerations in patients with arthritis and vascular disease of the kidney. Bulpitt CJ. **Scand J Rheumatol [Suppl]** 1986;62:4–13

The renal biopsy in drug–induced nephropathies. Jao W, et al. **Semin Nephrol** 1985 Dec;5(4):264–73

Studies on nephrotoxicity following a single and repeated administration of cis–diamminedichloroplatinum (CDDP) in rats. Mizushima Y, et al. **Tohoku J Exp Med** 1987 Feb; 151(2):129–35

Tissue distribution of cadmium and nephropathy after administration of cadmium in several chemical forms. Min KS, et al. **Toxicol Appl Pharmacol** 1986 Nov;86(2):262–70

Absence of hydrocarbon–induced nephropathy in rats exposed subchronically to volatile hydrocarbon mixtures pertinent to gasoline. Aranyi C, et al. **Toxicol Ind Health** 1986 Jul;2(1):85–98

Hydrocarbon nephropathy in male rats: identification of the nephrotoxic components of unleaded gasoline. Halder CA, et al. **Toxicol Ind Health** 1985 Nov;1(3):67–87

Renal pathology and toxicity. Fourth International Symposium of the Society of Toxicologic Pathologists, Washington, D.C., June 5–7, 1985. **Toxicol Pathol** 1986; 14(2):158–262

Sequential morphologic analysis of the nephrotoxicity produced in rats by single doses of chlorozotocin. Dees JH, et al. **Toxicol Pathol** 1986;14(2):213–31

Exaggerated response to gentamicin–induced nephrotoxicity in Sprague–Dawley rats: identification of a highly sensitive outlier population. Frazier DL, et al. **Toxicol Pathol** 1986; 14(2):204–9

Nephrotoxicity of hexachlorobutadiene and its glutathione–derived conjugates. Ishmael J, et al. **Toxicol Pathol** 1986;14(2):258–62

Autoimmune disease induced by oral administration of mercuric chloride in Brown–Norway rats. Knoflach P, et al. **Toxicol Pathol** 1986;14(2):188–93

Histopathology and cell proliferation induced by 2,2,4–trimethylpentane in the male rat kidney. Short BG, et al. **Toxicol Pathol** 1986;14(2):194–203

Histopathological study of human cisplatin nephropathy. Tanaka H, et al. **Toxicol Pathol** 1986;14(2):247–57

The effect of cyclosporine on the early postoperative function of allografted kidneys with warm ischemic damage. Ohshima S, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2081–4

Reduction of nephrotoxicity and improvement of immunosuppression by combination of cyclosporine A and azathioprine. Schareck WD, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1937–9

Combined nephrotoxic effects of cyclosporine and endotoxin. Cosio FG, et al. **Transplantation** 1987 Sep;44(3):425–8

Comparative investigations on the effects of acute intraperitoneal cadmium, chromium, and mercury exposure on the kidney. Bomhard E, et al. **Uremia Invest** 1985–86; 9(2):131–6

[Incidence and morphology of analgesic nephropathy 1972–1981] Marek J. **Sb Lek** 1987 Feb–Mar;89(2–3):33–40 (Eng. Abstr.) (Cze)

[Side effects of anti–inflammatory analgesics] Tiula E. **Duodecim** 1986;102(22):1725–31 (Fin)

[Health impact of cadmium pollution in Belgium—status of the question] Lauwerys R. **Bull Mem Acad R Med Belg** 1986;141(8–10):453–9 (Eng. Abstr.) (Fre)

[Renal complications of anti–cancer chemotherapy] Fillastre JP, et al. **Pathol Biol (Paris)** 1986 Nov;34(9):1013–28 (148 ref.) (Eng. Abstr.) (Fre)

[Hydrocarbons and the kidneys] Hotz P, et al. **Rev Med Suisse Romande** 1987 Feb;107(2):123–8 (32 ref.) (Fre)

[Detection of nephrotoxicity of human alpha 2b interferon with special reference to the analysis of urine enzymes in patients with chronic myeloid leukemia] Kurschel E, et al. **Klin Wochenschr** 1987 Jul 15;65(14):667–72 (Eng. Abstr.) (Ger)

[Drug–induced kidney injuries. II. Cytostatics and antibiotics] Hörl WH. **Med Monatsschr Pharm** 1987 Apr;10(4):108–14 (61 ref.) (Ger)

[Drug–induced kidney diseases. I. Analgesics and non–steroidal antirheumatic drugs] Hörl WH. **Med Monatsschr Pharm** 1986 Nov;9(11):331–7 (Ger)

[Analgesic nephropathy] Mihatsch MJ, et al. **Zentralbl Allg Pathol** 1986;132(5–6):395–411 (46 ref.) (Eng. Abstr.) (Ger)

[Biopsy findings in kidney transplants after treatment with cyclosporin A] Nizze H, et al. **Zentralbl Allg Pathol** 1986; 132(5–6):423–33 (Eng. Abstr.) (Ger)

[Histopathology of drug and toxin induced kidney lesions] Olsen S. **Zentralbl Allg Pathol** 1986;132(5–6):365–83 (52 ref.) (Eng. Abstr.) (Ger)

[Rejection nephropathy before and after therapeutic administration of cyclosporin A] Rossmann P, et al. **Zentralbl Allg Pathol** 1986;132(5–6):435–58 (Eng. Abstr.) (Ger)

[Drug nephrotoxicity] **Nippon Jinzo Gakkai Shi** 1986 Jul; 28(7):929–46 (Jpn)

[Subclinical lead poisoning as a cause of nephropathy and arterial hypertension] Wiecek A, et al. **Pol Tyg Lek** 1987 May 4;42(18):565–8 (46 ref.) (Pol)

[Morphofunctional correlates of the nephrotoxic action of cis–platin] Bakhteeva VT, et al. **Arkh Patol** 1987; 49(3):48–54 (Eng. Abstr.) (Rus)

[Morphology of analgesic nephropathy and its incidence in Czechoslovakia] Marek I. **Arkh Patol** 1986;48(12):35–40 (Eng. Abstr.) (Rus)

[Testing the nephrotoxic action of epichlorohydrin using and isolated perfused kidney model] Sergeeva TB. **Gig Tr Prof Zabol** 1987 Apr;(4):41–3 (Rus)

[Nephropathy in acute drug poisoning] Pishchulina VG, et al. **Pediatriia** 1986 Sep;(9):64–7 (63 ref.) (Rus)

[Analgesic nephropathy in regions in Vojvodina] Tepavčević P, et al. **Med Pregl** 1986;39(9–10):421–4 (Eng. Abstr.) (Scr)

[Environmental pollution by cadmium in a metallurgy plant] Ramírez AV. **Bol Of Sanit Panam** 1986 Nov;101(5):514–21 (Eng. Abstr.) (Spa)

COMPLICATIONS

Aluminum–associated renal osteodystrophy. Julian BA. **Ala J Med Sci** 1986 Oct;23(4):414–9

Pancreatic endocrine insufficiency in posttransplant cystinosis. Fivush B, et al. **Am J Dis Child** 1987 Oct; 141(10):1087–9

Eosinophilia in the diagnosis of atheroembolic renal disease. Kasinath BS, et al. **Am J Nephrol** 1987;7(3):173–7

Prolonged paralysis following an infusion of alcuronium in a patient with renal dysfunction. Smith CL, et al. **Anaesthesia** 1987 May;42(5):522–5

Morphometry of bone. Are parameters from the iliac crest reliable indicators of renal–insufficiency osteopathy? Oberholzer M, et al. **Anal Quant Cytol Histol** 1986 Sep; 8(3):250–4

Effect of enalapril in subjects with hypertension associated with moderate to severe renal dysfunction. Reams GP, et al. **Arch Intern Med** 1986 Nov;146(11):2145–8

Renal and pancreatic calcification in rheumatoid arthritis with Sjögren's syndrome. Grindulis KA, et al. **Br J Rheumatol** 1987 Jun;26(3):212–5

Primary renal actinomycosis in the presence of horseshoe kidney. McGibney D, et al. **Br J Urol** 1986 Oct;58(5):566

Fistula and sinus formation in xanthogranulomatous pyelonephritis. A clinicopathological review and report of four cases. Parsons MA, et al. **Br J Urol** 1986 Oct; 58(5):488–93

Early onset pre–eclampsia: recognition of underlying renal disease [letter] Lindheimer MD, et al. **Br Med J [Clin Res]** 1987 Jun 13;294(6586):1547–8

Obscure pleural effusion. Look to the kidney [editorial] Sahn SA, et al. **Chest** 1986 Nov;90(5):631

Hypertension and renal disease. 1st Verona Seminar on Nephrology. Verona, May 1–3, 1986. Proceedings. **Contrib Nephrol** 1987;54:1–230

It's what you believe that counts. Kassirer JP, et al. **Hosp Pract [Off]** 1987 Mar 15;22(3):37–9, 42–4

Coexistent Wegener's granulomatosis and anti–glomerular basement membrane disease. Wahls TL, et al. **Hum Pathol** 1987 Feb;18(2):202–5

Nephrotic syndrome of amyloid etiology in Hodgkin's disease. Das PK, et al. **Indian J Cancer** 1986 Sep; 23(3):192–6

Lisinopril in hypertension associated with renal impairment. Donohoe JF, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 3:S66–8

Diagnosis of Zellweger syndrome by analysis of bile acids and plasmalogens in stored dried blood collected at neonatal screening. Gustafsson J, et al. **J Pediatr** 1987 Aug; 111(2):264–7

Symptomatic recurrent urinary tract infections in patients with renal scarring in relation to fecal colonization with P–fimbriated Escherichia coli. Jacobson SH, et al. **J Urol** 1987 Apr;137(4):693–6

Eventual attenuation of hypocalciuric response to hydrochlorothiazide in absorptive hypercalciuria. Preminger GM, et al. **J Urol** 1987 Jun;137(6):1104–9

Clinical significance of hematuria in patients on anticoagulant therapy. Schuster GA, et al. **J Urol** 1987 May;137(5):923–5

Requiem for gouty nephropathy [clinical conference] Beck LH. **Kidney Int** 1986 Aug;30(2):280–7

Lowering of arterial blood pressure limits glomerular sclerosis in rats with renal ablation and in experimental diabetes. Zatz R, et al. **Kidney Int [Suppl]** 1987 May; 20:S123–9

Corneal transplant in boy with nephropathic cystinosis [letter] Kaiser–Kupfer MI, et al. **Lancet** 1987 Feb 7; 1(8528):331

Renin secretion in patients with various nephropathies and coexistent arterial hypertension. Kuska J, et al. **Mater Med Pol** 1986 Sep–Dec;18(4):218–24

Removal of corneal crystals by topical cysteamine in nephropathic cystinosis. Kaiser–Kupfer MI, et al. **N Engl J Med** 1987 Mar 26;316(13):775–9

Treatment of nephrogenic diabetes insipidus [letter] Lewis DJ, et al. **N Engl J Med** 1986 Nov 13;315(20):1292–3

The types of renal disease in the acquired immunodeficiency syndrome. Rao TK, et al. **N Engl J Med** 1987 Apr 23; 316(17):1062–8

Urinoma and arterial hypertension complicating neonatal renal candidiasis. Sirinelli D, et al. **Pediatr Radiol** 1987; 17(2):156–8

Renal involvement in mixed connective tissue disease: a longitudinal clinicopathologic study. Kitridou RC, et al. **Semin Arthritis Rheum** 1986 Nov;16(2):135–45

Case report 401: Idiopathic carpal/tarsal osteolysis (ICTO) associated with nephropathy. Vichi GF, et al. **Skeletal Radiol** 1986;15(8):665–71

Hyperparathyroidism associated with renal disease. Pathogenesis, natural history, and surgical treatment. Sitges–Serra A, et al. **Surg Clin North Am** 1987 Apr; 67(2):359–77 (47 ref.)

An adult case of Fanconi's syndrome associated with membranous nephropathy. Yagame M, et al. **Tokai J Exp Clin Med** 1986 May;11(2):101–6

Prevalence of renal involvement in Schistosoma japonicum infection. Watt G, et al. **Trans R Soc Trop Med Hyg** 1987; 81(2):339–42

Ocular complications of chronic renal disease. Knox DL. **Transplant Proc** 1987 Apr;19(2 Suppl 2):73–4

[Arterial hypertension in gouty nephropathy] Gocheva V, et al. **Vutr Boles** 1986;25(3):56–9 (Eng. Abstr.) (Bul)

[Myeloma and the kidney] Linnanvuo–Laitinen M, et al. **Duodecim** 1987;103(1):42–6 (Fin)

[Isolated fever and anthrax of the kidney] Jemni L, et al. **Tunis Med** 1986 Aug–Sep;64(8–9):767–70 (Eng. Abstr.) (Fre)

[Treatment of renal anemia using human erythropoietin] Zehnder C, et al. **Dtsch Med Wochenschr** 1987 Jun 5; 112(23):938–9 (Ger)

[Page's kidney caused by bilateral subcapsular hematoma] Mariscotti G, et al. **Radiol Med (Torino)** 1987 May; 73(5):461–3 (Ita)

[Investigation on the causes of bone disease in patients with renal disease] Ogawa T. **Nippon Ika Daigaku Zasshi** 1987 Feb;54(1):27–39 (Eng. Abstr.) (Jpn)

[Chemotherapy of urinary tract infections in patients with kidney diseases] Kunii O. **Nippon Rinsho** 1986 Dec; 44(12):2626–32 (10 ref.) (Jpn)

[Anemia in kidney diseases] Kuratowska Z. **Pol Arch Med Wewn** 1986 May;75(5):370–9 (Pol)

[Hypotensive effect of plasmapheresis in patients with severe symptomatic arterial hypertension of renal origin] Kutsenko AI, et al. **Biull Vsesoluzsogo Kardiol Nauchn Tsentra AMN SSSR** 1987;10(1):87–90 (Eng. Abstr.) (Rus)

[Non–Hodgkin's lymphoma with renal insufficiency] Evdokimov VG, et al. **Sov Med** 1986;(7):117–9 (Rus)

[Pedunculitis as a cause of chyluria] Aslamazov EG, et al. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):63–5 (Rus)

[Comparative characteristics of the excretion of the nitrogenous components of phospholipids in diseases of the kidneys with secondary oxaluria in children] Malashina OA, et al. **Urol Nefrol (Mosk)** 1987 Jan–Feb;(1):22–6 (Eng. Abstr.) (Rus)

[Vasorenal hypertension in nephroptosis patients] Kravchuk AV. **Vrach Delo** 1987 Apr;(4):77–80 (Eng. Abstr.) (Rus)

[Status of the hepatobiliary system in diseases of the kidney] Peleshchuk AP, et al. **Vrach Delo** 1987 May;(5):20–4 (Eng. Abstr.) (Rus)

[Arterial hypertension in hospitalized children] Hernández–Martínez MA, et al. **Bol Med Hosp Infant Mex** 1986 Nov;43(11):668–73 (Eng. Abstr.) (Spa)

[Hypernephroma and sarcoidosis: a strange and infrequent association. Presentation of a case (letter)] Pila Pérez R, et al. **Rev Clin Esp** 1986 Oct;179(5):281–2 (Spa)

CONGENITAL

Neuronal lipidosis and neuroaxonal dystrophy in cerebro–hepato–renal (Zellweger) syndrome. Powers JM, et al. **Acta Neuropathol (Berl)** 1987;73(4):333–43

The dilemma of intrauterine diagnosis of congenital renal disease. Grupe WE. **Pediatr Clin North Am** 1987 Jun; 34(3):629–38 (57 ref.)

DIAGNOSIS

Dose–response relations in the nephrotoxic action of mercury based on "spot urine" samples.Clarkson TW, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:410–5

'Idiopathic' hematuria. A prospective evaluation. Copley JB, et al. **Arch Intern Med** 1987 Mar;147(3):434–7

Early detection of renal disease. Jureidini KF, et al. **Aust Fam Physician** 1986 Dec;15(12):1610, 1613

The value of ultrasound in the diagnosis of renal failure. Lissoos I, et al. **Br J Urol** 1986 Aug;58(4):358–60

Torsion of the kidney. Taylor RH. **Br J Urol** 1987 Apr; 59(4):364

Early onset pre–eclampsia: recognition of underlying renal disease. Ihle BU, et al. **Br Med J [Clin Res]** 1987 Jan 10; 294(6564):79–81

Renal micropolyarteritis [editorial] Polak A. **Br Med J [Clin Res]** 1987 Jul 11;295(6590):70–1

Kidney–derived urinary antigens assayed with monoclonal antibodies for the detection of renal damage. Falkenberg FW, et al. **Clin Chim Acta** 1986 Oct 31;160(2):171–82

Special features, pathogenesis and aetiology of glomerular diseases in the tropics. Ngu JL, et al. **Clin Sci** 1987 May; 72(5):519–24 (57 ref.)

Use of fine needle aspiration biopsy in differential diagnosis between nephrotoxicity and rejection. Häyry P, et al. **Contrib Nephrol** 1986;51:147–51

Prenatal diagnosis of Zellweger syndrome and related disorders: impaired degradation of phytanic acid. Poulos A, et al. **Eur J Pediatr** 1986 Dec;145(6):507–10

The role of ultrasound in renal disease. Pilling DW. **Indian J Pediatr** 1986 May–Jun;53(3):319–23

Spectrum of tests available to evaluate occupationally induced renal disease. Thun MJ, et al. **J Occup Med** 1986 Oct;28(10):1026–33

Pancreatic pseudocysts simulating renal masses (report of two cases). Upadhye AS, et al. **J Postgrad Med** 1986 Jul; 32(3):163–5

Sonography of wall thickening of the renal collecting system. A nonspecific finding. Babcock DS. **J Ultrasound Med** 1987 Jan;6(1):29–32

Flexible ureteropyeloscopy: diagnosis and treatment in the upper urinary tract. Bagley DH, et al. **J Urol** 1987 Aug; 138(2):280–5

Intrarenal gas abscess. Sharma SK, et al. **J Urol** 1986 Nov; 136(5):1059–60

Increased renal cortical echogenicity in pediatric renal disease: histopathologic correlations. Brenbridge AN, et al. **JCU** 1986 Oct;14(8):595–600

Intra–renal reflux: a new cause of medullary hyperechogenicity? Diard F, et al. **Pediatr Radiol** 1987; 17(2):154–5

Computerized tomography and ultrasound in the diagnosis of cerebro–hepato–renal syndrome of Zellweger. Weese–Mayer DE, et al. **Pediatr Radiol** 1987;17(2):170–2

Guided cyst puncture and aspiration. Sandler CM, et al. **Radiol Clin North Am** 1986 Dec;24(4):527–37

Kidney changes after extracorporeal shock wave lithotripsy: appearance on MR imaging. Baumgartner BR, et al. **Radiology** 1987 May;163(2):531–4

Renal sinus histiocytosis. Bechtold RE, et al. **Radiology** 1987 Mar;162(3):689–90

Noninvasive diagnostic procedures in renal disease. **Semin Nephrol** 1985 Sep;5(3):157–233

Transmission electron microscopy of urinary sediment in renal disease. Mandal AK. **Semin Nephrol** 1986 Dec; 6(4):346–70

Blood and urinary chemistries in the evaluation of renal function. Murray B, et al. **Semin Nephrol** 1985 Sep; 5(3):208–23

Cytodiagnostic urinalysis for the nephrology practice. Schumann GB. **Semin Nephrol** 1986 Dec;6(4):308–45 (114 ref.)

Serology in renal disease: a review. Schwab TR, et al.

Semin Nephrol 1985 Sep;5(3):179–87

Ultrasonographic anatomy and diagnosis of fetal uropathies affecting the upper urinary tract. II. Nonobstructive uropathies. Duval JM, et al. **Surg Radiol Anat** 1986; 8(2):131–45 (102 ref.)

A new diagnostic immunoassay for proximal tubule injury. Thompson RE, et al. **Toxicol Pathol** 1986;14(2):232–7

Immunohistologic analysis of human renal allograft dysfunction. Waltzer WC, et al. **Transplantation** 1987 Jan; 43(1):100–5

Newer diagnostic methods in nephrology and urology. Proceedings of the Fourth International Symposium of Nephrology. Montecatini Terme, Italy, April 17–19, 1985. **Uremia Invest** 1985–86;9(2):79–313

Magnetic resonance imaging of the kidney. Papanicolaou N, et al. **Urol Radiol** 1986;8(3):139–50 (30 ref.)

Flexible ureteropyeloscopy with modular, "disposable" endoscope. Bagley DH. **Urology** 1987 Mar;29(3):296–300

Renal peripelvic multicystic lymphangiectasia. Kutcher R, et al. **Urology** 1987 Aug;30(2):177–9

[Ultrasonic diagnosis of kidney disease in urologic practice] Kumanov Kh, et al. **Khirurgiia (Sofiia)** 1987;40(2):28–32 **(Bul)**

[Spontaneous rupture of the kidney: report of 8 cases] Chen ZF, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Aug; 24(8):488–9, 510–1 (Eng. Abstr.) **(Chi)**

[The importance of a screening examination of the kidneys using ultrasound] Mašek O, et al. **Cesk Radiol** 1986 Aug; 40(4):259–64 (Eng. Abstr.) **(Cze)**

[The status of medical imagery in pediatric urology] Avni EF, et al. **Acta Urol Belg** 1987;55(1):43–6 (Eng. Abstr.) **(Fre)**

[Contribution of echography in neurologic lesions of the urinary tract] Juracheck F, et al. **Acta Urol Belg** 1987; 55(1):47–53 (Eng. Abstr.) **(Fre)**

[Respective roles of intravenous urography and echography in 1986] Michel JR. **Acta Urol Belg** 1987;55(1):5–13 (Eng. Abstr.) **(Fre)**

[The role of echography in nephritic colic] Van Gansbeke D, et al. **Acta Urol Belg** 1987;55(1):18–25 (Eng. Abstr.) **(Fre)**

[Role of nuclear magnetic resonance tomography in the diagnosis of renal diseases] Zilch HG, et al. **Acta Med Austriaca** 1986;13(3):75–6 (Eng. Abstr.) **(Ger)**

[The significance, incidence, detection and outpatient care of children and adolescents with nephropathies by the pediatrician and physician for adolescents] Maahs H. **Arztl Jugendkd** 1986 Sep;77(4):243–50 (Eng. Abstr.) **(Ger)**

[Superfluous diagnosis in nephrology and hypertonology] Held E, et al. **Internist (Berlin)** 1986 Sep;27(9):544–51 **(Ger)**

[Beta 2 microglobulin in the serum as a parameter of glomerular kidney function in the first days of life] Nolte S, et al. **Monatsschr Kinderheilkd** 1986 Oct;134(10):725–8 (Eng. Abstr.) **(Ger)**

[Contribution to the cerebrohepatorenal syndrome] Fehlow P. **Padiatr Grenzgeb** 1986;25(4):337–41 (Eng. Abstr.) **(Ger)**

[Use of ultrasound tomography in nephrologic diagnosis in children (study of 780 intravenous urograms in children)] Roick H, et al. **Radiol Diagn (Berl)** 1987;28(1):47–50 (Eng. Abstr.) **(Ger)**

[Diagnostic and therapeutic aspects of antegrade ureteropyelography and percutaneous nephropyelostomy in childhood] Schneider K, et al. **ROFO** 1986 Dec; 145(6):698–705 (Eng. Abstr.) **(Ger)**

[Imaging diagnosis of renal diseases based on indications] Dreinkämper K. **Schweiz Rundsch Med Prax** 1987 Jan 20; 76(4):76–85 (Eng. Abstr.) **(Ger)**

[Kidney diseases and hypertension in pregnancy] Wegmüller E. **Ther Umsch** 1987 Jan;44(1):7–15 (Eng. Abstr.) **(Ger)**

[Modern study methods in experimental nephrology] Wüstenberg PW, et al. **Z Urol Nephrol** 1986 Jul; 79(7):411–28 (Eng. Abstr.) **(Ger)**

[Pathomorphological differential diagnosis of glomerular lesions in diabetics] Ditscherlein G, et al. **Zentralbl Allg Pathol** 1986;132(5–6):487–501 (Eng. Abstr.) **(Ger)**

[Role of echography in the diagnosis of abdominal hydatid disease] Gentile F, et al. **Minerva Chir** 1986 Oct 15; 41(19):1617–22 (Eng. Abstr.) **(Ita)**

[Difficulty in the differentiation of renal parenchymal hyperechogenicity] Angelelli G, et al. **Radiol Med (Torino)** 1987 Jul–Aug;74(1–2):88–92 (Eng. Abstr.) **(Ita)**

[Echographic diagnosis of the abdomen] Dalla Palma L, et al. **Radiol Med (Torino)** 1987 Apr;73(4):318–30 **(Ita)**

[Echographically guided, percutaneous, fine-needle puncture in the diagnosis of renal masses suspected of malignancy] Civardi G, et al. **Recenti Prog Med** 1986 Sep;77(9):420–2 (Eng. Abstr.) **(Ita)**

[A case of renal cell carcinoma with the complication of a giant cyst difficult to distinguish from xanthoma] Okamura T, et al. **Hinyokika Kiyo** 1987 Mar;33(3):409–13 (Eng. Abstr.) **(Jpn)**

[Computerized tomographic and ultrasonographic demonstration of renal hematomas following percutaneous renal biopsy] Koumoto J, et al. **Nippon Jinzo Gakkai Shi** 1986 Jun;28(6):821–8 (Eng. Abstr.) **(Jpn)**

[Tubular damage in toxemia of pregnancy using urinary trehalase as a marker] Higuchi K. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr; 39(4):655–62 (Eng. Abstr.) **(Jpn)**

[Role of ultrasonic examination in the diagnosis of lesions of the transplanted kidney] Jakubowski W, et al. **Pol Przegl Radiol (Warszawa)** 1986 Mar–Apr;50(2):112–6 (Eng. Abstr.) **(Pol)**

[Value of ultrasonic examination in cases of failure of kidney visualization by urography] Jakubowski W, et al. **Pol Przegl Radiol (Warszawa)** 1986 Jan–Feb;50(1):19–21 (Eng. Abstr.) **(Pol)**

[Renal abscess] Milewski JB. **Pol Tyg Lek** 1986 Sep 29; 41(39):1227–33 (Eng. Abstr.) **(Pol)**

[Value of determining beta 2 microglobulin level in the diagnosis of selected nephropathies] Kopeć J. **Przegl Lek** 1986;43(12):748–52 (Eng. Abstr.) **(Pol)**

[Gouty nephropathy] Siniachenko OV, et al. **Klin Med (Mosk)** 1986 Aug;64(8):104–7 (Eng. Abstr.) **(Rus)**

[Computerized tomography and ultrasonic study in various kidney diseases] Viazitskii PO, et al. **Klin Med (Mosk)** 1987 Apr;65(4):52–6 (Eng. Abstr.) **(Rus)**

[Determination of the enzyme activity of the urine in kidney lesions] Lavrenova TP. **Lab Delo** 1986;(7):430–2 (Eng. Abstr.) **(Rus)**

[Structure of the pathology of the senile kidney and its diagnostic difficulties] Borisov IA, et al. **Ter Arkh** 1986; 58(8):37–45 **(Rus)**

[Clinical syndromes of kidney diseases associated with infectious endocarditis] Butkevich OM, et al. **Ter Arkh** 1986;58(8):48–53 (48 ref.) **(Rus)**

[Characteristics of kidney lesions in systemic vasculitis] Semenkova EN, et al. **Ter Arkh** 1986;58(8):140–3 (42 ref.) **(Rus)**

[Course and prognosis of nephropathy in gout] Siniachenko OV, et al. **Ter Arkh** 1986;58(8):29–32 (Eng. Abstr.) **(Rus)**

[Renal form of Münchausen's syndrome] Timoshenko NI. **Ter Arkh** 1986;58(8):127–8 **(Rus)**

[Echodiagnosis of the kidney lesion in gout] Tsurko VV, et al. **Ter Arkh** 1986;58(8):35–7 (Eng. Abstr.) **(Rus)**

[Ultrasonic scanning in the diagnosis of diseases of the abdominal cavity and retroperitoneal space (review of the literature)] Portnoĭ LM, et al. **Vestn Rentgenol Radiol** 1986 Sep–Oct;(5):70–7 (86 ref.) **(Rus)**

[Diagnostic value of determining neutral alpha-glucosidase and N-acetyl-beta-D-hexosaminidase activity in the urine in kidney pathology] Lukomskaia IS, et al. **Vopr Med Khim** 1986 Sep–Oct;32(5):112–9 (Eng. Abstr.) **(Rus)**

[Diagnostic criteria for nephropathy in gout] Siniachenko OV, et al. **Vrach Delo** 1987 May;(5):33–6 (Eng. Abstr.) **(Rus)**

[A case of acute intermittent porphyria] Zakhariia EA, et al. **Vrach Delo** 1987 Jul;(7):78–80 **(Rus)**

[Ultrasonography in the differentiation of renal insufficiency] Antalík J, et al. **Cesk Radiol** 1986 Aug;40(4):265–74 (Eng. Abstr.) **(Slo)**

[Renal malacoplakia] Estébanez Zarranz MJ, et al. **Actas Urol Esp** 1987 Jan–Feb;11(1):109–12 (Eng. Abstr.) **(Spa)**

[Ureterorenoscopy. Our experience in the first 30 cases] Unda Urzaiz M, et al. **Arch Esp Urol** 1986 Sep;39 Suppl 1:75–84 (Eng. Abstr.) **(Spa)**

DIET THERAPY

Short-term effect of low and high protein intake on renal function in children with renal disease. Berg U, et al. **Acta Paediatr Scand** 1987 Mar;76(2):288–92

Effect of varying quantity and quality of dietary protein intake in experimental renal disease in rats. Williams AJ, et al. **Nephron** 1987;46(1):83–90

DRUG THERAPY

Treatment of idiopathic membranous nephropathy. Ponticelli C, et al. **Adv Nephrol** 1987;16:195–218 (67 ref.)

The kidney: therapeutic implications of ACE inhibition and other areas of new research. San Francisco, California, June 28–29, 1985, February 28–March 1, 1986. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):1–93

Intravenous indomethacin and oxycone-papaverine in the treatment of acute renal colic. A double-blind study. Jönsson PE, et al. **Br J Urol** 1987 May;59(5):396–400

Clinical pharmacokinetics of ketoprofen after single intravenous administration as a bolus or infusion. Debruyne D, et al. **Clin Pharmacokinet** 1987 Mar;12(3):214–21

Pharmacokinetics of CaNa2EDTA and chelation of lead in renal failure. Osterloh J, et al. **Clin Pharmacol Ther** 1986 Dec;40(6):686–93

Management of chronic ciclosporin-related nephrotoxicity. Kahan BD, et al. **Contrib Nephrol** 1986;51:96–101

Comparative bioequivalence study of furosemide in patients with edema of renal origin. Singh A, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Mar;25(3):136–8

Comparative study of Baralgan and hyoscine-N-methyl bromide in the treatment of intestinal and renal colicy pain. Benyajati C. **J Med Assoc Thai** 1986 Oct;69(10):569–73

Disposition of enalapril and enalaprilat in renal insufficiency. Fruncillo RJ, et al. **Kidney Int [Suppl]** 1987 May;20:S117–22

Calcium-channel blockers and the hepatorenal syndrome. Edelson JT. **Med Hypotheses** 1987 Apr;22(4):335–40

Corticosteroid agents in renal disease. Thomson NM. **Med J Aust** 1987 May 18;146(10):530–1, 534–5, 538 (63 ref.)

Nifedipine in the treatment of renal colic. Lloret J, et al. **Methods Find Exp Clin Pharmacol** 1986 Sep;8(9):575–9

Cysteamine therapy for children with nephropathic cystinosis. Gahl WA, et al. **N Engl J Med** 1987 Apr 16; 316(16):971–7

Renal disease, polyunsaturated fatty acids and blood rheology. Simpson LD. **Nephron** 1986;44(3):256–8

Anticoagulation in renal diseases: 20 years on and what is the outcome? Wardle EN. **Nephron** 1986;44(2):81–4 (57 ref.)

Clinical promise with new hormones [news] Kolata G. **Science** 1987 May 1;236(4801):517–9

Renal therapeutics. **Semin Nephrol** 1986 Sep;6(3):187–304

Selected topics in renal therapeutics: cellular mechanisms and clinical application. Sabatini S. **Semin Nephrol** 1986 Sep; 6(3):187–8

Oral antibiotics and the renal carbuncle [letter] Drabick JJ. **South Med J** 1986 Nov;79(11):1466–7

Comparison of butorphanol tartrate and meperidine in moderate to severe renal colic. Henry H 2d, et al. **Urology** 1987 Mar;29(3):339–45

[Neuromyelopathy caused by treatment with muzolimine (letter)] Pohlmann-Eden B, et al. **Dtsch Med Wochenschr** 1987 Jul 31;112(31–32):1238 **(Ger)**

[Clinical evaluation of a new spasmolytic: sintropium bromide (VAL 480) in spastic states of the upper and lower urinary tract] Colosi V, et al. **Minerva Urol Nefrol** 1986 Jul–Sep; 38(3):271–8 (Eng. Abstr.) **(Ita)**

[Clinical pharmacology of membrane-destabilizing processes in nephropathies in children] Krylov VI, et al. **Farmakol Toksikol** 1986 Sep–Oct;49(5):114–6 (Eng. Abstr.) **(Rus)**

[Enzymotherapy in urology and nephrology (a review of the literature)] Pyrig LA, et al. **Vrach Delo** 1986 Aug;(8):90–4 (130 ref.) **(Rus)**

[Treatment of gouty nephropathy (review of the literature)] Siniachenko OV. **Vrach Delo** 1987 Feb;(2):47–51 (132 ref.) **(Rus)**

ENZYMOLOGY

Multiple peroxisomal enzymatic deficiency disorders. A comparative biochemical and morphologic study of Zellweger cerebrohepatorenal syndrome and neonatal adrenoleukodystrophy. Vamecq J, et al. **Am J Pathol** 1986 Dec;125(3):524–35

Urinary trehalase as an early indicator of cadmium-induced renal tubular damage in rabbit. Nishimura N, et al. **Arch Toxicol** 1986 Dec;59(4):255–60

Catalase in cultured skin fibroblasts from patients with the cerebro-hepato-renal (Zellweger) syndrome: normal maturation in peroxisome-deficient cells. Wanders RJ, et al. **Biochim Biophys Acta** 1987 Mar 19;923(3):478–82

Cytoplasmic creatine kinase in normal and pathological human kidney tissue. González Buitrago JM, et al. **Eur Urol** 1987;13(1–2):100–2

Immunohistochemical distribution of renal prostaglandin endoperoxide synthase and prostacyclin synthase: diminished endoperoxide synthase in the hepatorenal syndrome. Govindarajan S, et al. **Hepatology** 1987 Jul–Aug; 7(4):654–9

Urinary glutathione-S-transferase in cisplatin nephrotoxicity in the rat. Feinfeld DA, et al. **J Clin Chem Clin Biochem** 1986 Aug;24(8):529–32

Plasma pyridoxal-5'-phosphate concentration and its relation to apo-aminotransferase levels [letter] Hafkenscheid JC. **J Clin Chem Clin Biochem** 1987 Jan;25(1):19–21

Sensitivity of urinary enzymes as indicators of renal toxicity of the anticancer drug cis-platin. Litterst C, et al. **Uremia Invest** 1985–86;9(2):111–7

Assessment of renal injury by urinary enzymes. Plummer DT, et al. **Uremia Invest** 1985–86;9(2):97–102

[Enzymuria] Flandrois C, et al. **Ann Biol Clin (Paris)** 1986; 44(5):486–90 (Eng. Abstr.) **(Fre)**

[Enzymuria and kidney diseases in childhood] Ehrich JH, et al. **Monatsschr Kinderheilkd** 1986 Dec;134(12):832–9 (Eng. Abstr.) **(Ger)**

[Enzyme histochemical study on adriamycin nephropathy in rats] Sato H, et al. **Eisei Shikenjo Hokoku** 1986;(104):87–91 (Eng. Abstr.) **(Jpn)**

[Urinary trehalase activity during normal pregnancy: tubular dysfunctions] Higuchi K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Nov; 38(11):2045–9 (Eng. Abstr.) **(Jpn)**

[Superoxide dismutase activity in serum of the patients with renal disease] Matsumoto J, et al. **Rinsho Byori** 1986 Sep; 34(9):1065–9 **(Jpn)**

ETHNOLOGY

Renal disease in Africa and the Caribbean: an overview. Alleyne GA. **Transplant Proc** 1987 Apr;19(2 Suppl 2):9–14

ETIOLOGY

Urinary tract and renal findings in acute Yersinia infections. Korpela M, et al. **Acta Med Scand** 1986;220(5):471–6

Lipid-A-antibodies—indicators for the risk of renal scarring in children with urinary tract infection. Misselwitz J, et al. **Acta Paediatr Scand** 1986 Nov;75(6):982–7

The hepatorenal syndrome (HRS). Epstein M.

Adv Exp Med Biol 1987;212:157–65 (35 ref.)
The kidney in hypergammaglobulinemic purpura. Groggel GC, et al. **Am J Kidney Dis** 1987 Feb;9(2):172–5
Epidemic renal disease of unknown etiology in the Zuni Indians. Hoy WE, et al. **Am J Kidney Dis** 1987 Jun; 9(6):485–96
Renal involvement in juvenile chronic arthritis: clinical and pathologic features. Lévy M, et al. **Am J Kidney Dis** 1987 Feb;9(2):138–46
Renal infections in autosomal dominant polycystic kidney disease. Sklar AH, et al. **Am J Kidney Dis** 1987 Aug; 10(2):81–8 (51 ref.)
Lead nephropathy. Wedeen RP, et al. **Am J Kidney Dis** 1986 Nov;8(5):380–3
Amyloidosis in subcutaneous heroin abusers ("skin poppers' amyloidosis"). Neugarten J, et al. **Am J Med** 1986 Oct; 81(4):635–40
Renal infection in autosomal dominant polycystic kidney disease. Schwab SJ, et al. **Am J Med** 1987 Apr;82(4):714–8
Renal complications in patients with the acquired immune deficiency syndrome (AIDS). Humphreys MH, et al. **Am J Nephrol** 1987;7(1):1–7 (26 ref.)
Pathogenesis of the hepatorenal syndrome. Davidson EW, et al. **Annu Rev Med** 1987;38:361–72 (77 ref.)
Eosinophilia as a clue to the diagnosis of atheroembolic renal disease [editorial] Kasinath BS, et al. **Arch Intern Med** 1987 Aug;147(8):1384–5
Renal abscess with gas formation secondary to acute appendicitis. Corder AP. **Br J Urol** 1987 Jan;59(1):90
Prediction of pyelocaliectasis in follow–up of patients with spinal cord injury. Lloyd LK, et al. **Br J Urol** 1987 Feb; 59(2):122–6
Renal microthrombosis following endotoxin infusion may be mediated by lipoxygenase products. Schaub RG, et al. **Circ Shock** 1987;21(4):261–70
The influence of anti–parasitic therapy on the course of the glomerulopathy associated with Schistosomiasis mansoni. Martinelli R, et al. **Clin Nephrol** 1987 May;27(5):229–32
Renal histological lesions and clinical syndromes in multiple myeloma. Renal Immunopathology Group. Pasquali S, et al. **Clin Nephrol** 1987 May;27(5):222–8
Perfusion time anuria and nephrotoxicity in cadaveric renal transplant. Berlocо P, et al. **Contrib Nephrol** 1986;51:140–2
Pathogenic factors in recurrent urinary tract infections and renal scar formation in children. Mannhardt W, et al. **Eur J Pediatr** 1986 Oct;145(5):330–6 (58 ref.)
Aneurysmal hemorrhage of the kidney caused by angioleiomyoma. Vogel J, et al. **Eur Urol** 1986;12(6):438–40
Hepatorenal syndrome in a renal transplant patient. Zawada ET Jr, et al. **Int J Artif Organs** 1986 Jul;9(4):263–6
The kidney in heart disease. Barakat AY, et al. **Int J Pediatr Nephrol** 1986 Jul–Sep;7(3):153–60 (113 ref.)
Clinical and morphological severity of renal involvement in systemic necrotising vasculitides. Bhuyan UN, et al. **J Assoc Physicians India** 1987 Mar;35(3):213–7
Functional renal failure and liver disease. Importance of lymph imbalance in pathogenesis and treatment. Witte CL, et al. **J Clin Gastroenterol** 1986 Aug;8(4):401–3
Long–term renal risk factors in children with mesingomyelocele. Brem AS, et al. **J Pediatr** 1987 Jan; 110(1):51–5
Re: Intravesical bacillus Calmette–Guerin therapy and associated granulomatous renal masses [letter] Schellhammer PF. **J Urol** 1987 Feb;137(2):315
Perinephric abscess: current concepts. Sheinfeld J, et al. **J Urol** 1987 Feb;137(2):191–4
Contrasting effects of early and late orchiectomy on hypertension and renal disease in fawn–hooded rats. Gilboa N, et al. **Life Sci** 1987 Sep 28;41(13):1629–34
Renal involvement in relapsing polychondritis. Chang–Miller A, et al. **Medicine (Baltimore)** 1987 May;66(3):202–17
Gouty kidney associated with membranous nephropathy: participation of renal tubular epithelial antigen. Yokoyama H, et al. **Nephron** 1986;44(4):361–4
Calyceal rupture with perirenal urinoma in a patient with cervical carcinoma. Spurlock JW, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):511–3
Renal disease from excess uric acid. Maierhofer WJ. **Postgrad Med** 1987 Sep 15;82(4):123–9
Effects of maternal hydration on fetal renal pyelectasis. Allen KS, et al. **Radiology** 1987 Jun;163(3):807–9
Significant renal hemorrhage following extracorporeal shock wave lithotripsy: imaging and clinical features. Papanicolaou N, et al. **Radiology** 1987 Jun;163(3):661–4
Kidney changes after extracorporeal shock wave lithotripsy: CT evaluation. Rubin JI, et al. **Radiology** 1987 Jan;162(1 Pt 1):21–4
Renal and osteoarticular complications of Crohn's disease. Maurano A, et al. **Rays** 1985 Sep–Dec;10(3):37–9
Renal hyperemia in portal hypertension is not mediated by gastrointestinal peptides. Premen AJ, et al. **Regul Pept** 1986 Dec 1;16(1):39–49
Kidney involvement in primary Sjögren's syndrome. Siamopoulos KC, et al. **Scand J Rheumatol [Suppl]** 1986; 61:156–60
Pathogenesis of ascites formation and hepatorenal syndrome: humoral and hemodynamic factors. Ring–Larsen H, et al. **Semin Liver Dis** 1986 Nov;6(4):341–52 (121 ref.)
Heroin nephropathy. Nurse H. **Transplant Proc** 1987 Apr; 19(2 Suppl 2):56
Acquired infundibular stenosis. Bodner DR, et al. **Urology** 1987 Jan;29(1):19–21
Appearance of gas in renal tissue after therapeutic embolization. Navio–Niño S, et al. **Urology** 1986 Oct; 28(4):316–7
Spontaneous perinephric hemorrhage from extrarenal angiomyolipoma. Randazzo RF, et al. **Urology** 1987 Apr; 29(4):428–31
Urinary ascites in female neonate with myelodysplasia. Redman JF, et al. **Urology** 1987 Jun;29(6):616–7
Renal changes in vesicoureteral reflux—human reflux nephropathy. Marek J, et al. **Zentralbl Allg Pathol** 1986; 132(5–6):413–22
[Nephrologic findings in young adults 10–20 years after the first episode of urinary tract infection in childhood] Prát V, et al. **Cas Lek Cesk** 1986 Dec 5;125(49):1511–6 (Eng. Abstr.) **(Cze)**
[Spontaneous rupture of the renal pelvis after renal colic] Bače J, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1985;28(5):459–63 (Eng. Abstr.) **(Cze)**
[Rupture of the fornix. A contraindication of intravenous urography?] Heinrichs B, et al. **Acta Urol Belg** 1987; 55(1):26–30 (Eng. Abstr.) **(Fre)**
[Renal manifestations in dermatomyositis and polymyositis] Pasquali JL, et al. **Ann Med Interne (Paris)** 1987; 138(2):109–13 (Eng. Abstr.) **(Fre)**
[Charcot–Marie–Tooth disease and glomerular nephropathy] Deniau F, et al. **Arch Fr Pediatr** 1986 Dec;43(10):791–3 (Eng. Abstr.) **(Fre)**
[Perirenal hematoma diagnostic of periarteritis nodosa. Apropos of a case] Flageat J, et al. **J Radiol** 1986 May; 67(5):419–22 (Eng. Abstr.) **(Fre)**
[Spontaneous rupture of the kidney. Apropos of a case of Kussmaul–Meier panarteritis nodosa] de Petriconi R. **J Urol (Paris)** 1986;92(6):361–3 (Eng. Abstr.) **(Fre)**
[Vesicorenal reflux following endoscopic treatment of vesical tumors. Developmental and therapeutic complications] Mazeman E, et al. **J Urol (Paris)** 1986;92(9):611–5 (Eng. Abstr.) **(Fre)**
[Interstitial nephropathy without granulomatous lesions and renal insufficiency in sarcoidosis (letter)] Cahen R, et al. **Nephrologie** 1986;7(5):213–4 **(Fre)**
[Evaluation by scanner of the potential traumatic effect on the kidney caused by extracorporeal shockwave lithotripsy (letter)] Blangy S, et al. **Presse Med** 1987 May 2; 16(16):779–80 **(Fre)**
[Physiopathology and treatment of ascites in the cirrhotic patient] Rodés J, et al. **Rev Med Brux** 1987 Apr;8(4):204–8 (Eng. Abstr.) **(Fre)**
[Renal and digestive amyloidosis and Behçet's disease. Apropos of a case] Wechsler B, et al. **Rev Med Interne** 1986 Sep;7(4):361–4 (Eng. Abstr.) **(Fre)**
[Renal involvement in Legionnaires' disease] Heule H, et al. **Schweiz Med Wochenschr** 1986 Dec 6;116(49):1736–9 (Eng. Abstr.) **(Ger)**
[Changes in renal parenchyma induced by ionizing radiation and chemotherapy in animal experiments] Böttcher HD. **Strahlenther Onkol** 1986 Aug;162(8):503–13 (Eng. Abstr.) **(Ger)**
[Functional insufficiency in chronic liver disease patients. The hepatorenal syndrome] Gentilini P, et al. **Minerva Med** 1987 May 31;78(10):651–4 **(Ita)**
[Schoenlein–Henoch syndrome. Renal involvement and prognosis] Pela I, et al. **Pediatr Med Chir** 1986 May–Jun; 8(3):321–3 (Eng. Abstr.) **(Ita)**
[Evaluation of the renal and neurogenic mechanisms of development of gestational nephropathy and post–nephropathic hypertension] Razumov VV. **Akush Ginekol (Mosk)** 1987 Feb;(2):40–4 (Eng. Abstr.) **(Rus)**
[Kidney lesions in liver diseases] Shulutko BI. **Klin Med (Mosk)** 1987 Apr;65(4):60–4 (Eng. Abstr.) **(Rus)**
[Kidney lesion in acute opisthorchiasis] Pavlov BA, et al. **Med Parazitol (Mosk)** 1986 Sep–Oct;(5):18–21 (Eng. Abstr.) **(Rus)**
[Microcirculatory disorders in the genesis of sclerodermic nephropathy] Anikina NV, et al. **Ter Arkh** 1986;58(8):62–5 (Eng. Abstr.) **(Rus)**
[Kidney lesion in multiple myeloma] Gordovskaia NB, et al. **Ter Arkh** 1986;58(8):45–8 (Eng. Abstr.) **(Rus)**
[Amyloidosis in patients with rheumatoid arthritis] Krel' AA, et al. **Ter Arkh** 1986;58(7):128–31 (Eng. Abstr.) **(Rus)**
[Paraneoplastic kidney lesions] Mukhin NA, et al. **Ter Arkh** 1986;58(8):111–5 (Eng. Abstr.) **(Rus)**
[Myeloma–related nephropathy (incidence, clinical aspects and morphology). Analysis of 95 cases of multiple myeloma] Sidorova LD, et al. **Ter Arkh** 1987;59(6):18–21 (Eng. Abstr.) **(Rus)**
[Pyeloureteral cholesteatoma in the polycystic kidney. Report of a new case] Barros Rodríguez JM, et al. **Arch Esp Urol** 1986 Jul–Aug;39(6):429–32 (Eng. Abstr.) **(Spa)**
[Perirenal hematoma secondary to extracorporeal shockwave lithotripsy (letter)] Domingo P, et al. **Med Clin (Barc)** 1986 Oct 11;87(11):479–80 **(Spa)**
[Systemic vasculitis with predominant renal involvement] Vallés M, et al. **Med Clin (Barc)** 1987 Mar 7;88(9):356–62 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Idiopathic multicentric osteolysis with facial anomalies and nephropathy. Carnevale A, et al. **Am J Med Genet** 1987 Apr;26(4):877–86
Dominantly inherited renal adysplasia. McPherson E, et al. **Am J Med Genet** 1987 Apr;26(4):863–72
Hepatic involvement in hereditary renal syndromes. Bernstein J. **Birth Defects** 1987;23(1):115–30
Immunoglobulin heavy chain switch region restriction fragment length polymorphisms are associated with renal disease. Demaine AG, et al. **Clin Exp Immunol** 1986 Nov; 66(2):406–13
The kidney in genetic disease. An overview. Barakat AY. **J Med Liban** 1986;36(2):76–81 (13 ref.)
Bile acids and bile alcohols in two patients with Zellweger (cerebro–hepato–renal) syndrome. Délèze G, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep–Oct;5(5):701–10
Familial renal hypouricemia with intact reabsorption of uric acid. Nakajima H, et al. **Nephron** 1987;45(1):40–2
Quantitation of anionic sites in glomerular capillary basement membranes of Samoyed dogs with hereditary glomerulopathy. Thorner PS, et al. **Virchows Arch [A]** 1987; 411(1):79–85
[Adult nephronophthisis: a single disease or 2 diseases?] Grateau G, et al. **Nephrologie** 1986;7(3):104–8 (Eng. Abstr.) **(Fre)**

HISTORY

Early patent and proprietary medicines and the treatment of kidney and urinary tract diseases. Cunningham EE. **Am J Nephrol** 1987;7(1):45–8
[On the history of kidney disease] Reubi F. **Schweiz Med Wochenschr** 1987 Mar 7;117(10):369–76contd (Eng. Abstr.) **(Ger)**
[On the history of kidney disease] Reubi F. **Schweiz Med Wochenschr** 1987 Mar 14;117(11):406–10 concl **(Ger)**

IMMUNOLOGY

Immunopathogenetic mechanisms in renal disease. McCluskey RT. **Am J Kidney Dis** 1987 Sep;10(3):172–80 (47 ref.)
Secretory immune responses in human kidneys. Abramowsky CR, et al. **Am J Pathol** 1986 Dec;125(3):571–7
HLA and nephropathies in Mexican mestizo people. Arellano J, et al. **Arch Invest Med (Mex)** 1985 Oct–Dec; 16(4):395–400 **(Eng, Spa)**
Role of immune complexes in pathogenesis of renal disease. Nydegger UE, et al. **Immunol Lett** 1987 Feb;14(3):229–34
Light chains and the kidney. Bradley JR, et al. **J Clin Pathol** 1987 Jan;40(1):53–60
Differences among immune complexes: association of C1q in SLE immune complexes with renal disease. Greisman SG, et al. **J Immunol** 1987 Feb 1;138(3):739–45
Crucial dietary factors in maximizing life span and longevity in autoimmune–prone mice. Kubo C, et al. **J Nutr** 1987 Jun;117(6):1129–35
Experimental strategies for the study of cellular immunity in renal disease. Neilson EG, et al. **Kidney Int** 1986 Aug; 30(2):264–79 (285 ref.)
HLA–DR expression on renal tubular cells in various renal disorders [letter] Gillis D, et al. **Pathology** 1986 Oct; 18(4):480–1
Antibodies to saline extractable tissue antigen in sera of patients with renal diseases. Martin CA, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):211–7
Patterns of HLA antigen expression in human kidney disease. Wadgymar A, et al. **Transplant Proc** 1987 Aug;19(4):3410–4
Urinary kidney–derived antigens determined by tests built on monoclonal antibodies: new markers for kidney damage. Falkenberg FW, et al. **Uremia Invest** 1985–86;9(2):103–10
[Diagnostic and therapeutic value of monoclonal antibodies in nephrology] Mahieu P, et al. **Rev Med Liege** 1987 May 15;42(10):470–4 (23 ref.) **(Fre)**
[Cellular immunology and renal disease] **Nippon Jinzo Gakkai Shi** 1986 Jul;28(7):1007–22 **(Jpn)**
[HLA antigen system of patients with diseases of the kidneys and urinary tract (a review of the literature)] Drannik GN, et al. **Vrach Delo** 1986 Oct;(10):44–9 (115 ref.) **(Rus)**
[Systematic study with immunofluorescence of autopsy kidneys] Combalia Soriano N, et al. **Rev Clin Esp** 1986 Dec;179(9):439–42 (Eng. Abstr.) **(Spa)**

METABOLISM

Modified trace element metabolism in cadmium–induced renal dysfunctions. Nomiyama K, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:427–30
Renal magnesium wasting disorders. Dirks JH, et al. **Adv Exp Med Biol** 1986;208:193–7 (16 ref.)
Renal tubular disorders associated with hypocalciuria. Sutton RA. **Adv Exp Med Biol** 1986;208:187–91 (29 ref.)
Alterations of renal arachidonate metabolism in chronic glomerular disease. Patrono C, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1986; 16:199–204
Influence of renal function on the pharmacokinetics of ramipril (HOE 498). Debusmann ER, et al. **Am J Cardiol** 1987 Apr 24;59(10):70D–78D
Renal hemodynamics and pharmacokinetics of bevantolol in patients with impaired renal function. Solimon M, et al. **Am J Cardiol** 1986 Nov 26;58(12):21E–24E
Immunohistochemical characterization of renal amyloidosis. Noel LH, et al. **Am J Clin Pathol** 1987 Jun;87(6):756–61
Recurrent crystal deposition after keratoplasty in nephropathic cystinosis. Katz B, et al.

Am J Ophthalmol 1987 Aug 15;104(2):190–1

Localization of S protein and its relationship to the membrane attack complex of complement in renal tissue. Falk RJ, et al. **Am J Pathol** 1987 Apr;127(1):182–90

Bleomycin and mild renal failure [letter] Harvey VJ, et al. **Ann Intern Med** 1986 Dec;105(6):976

Pharmacokinetics of intravenously administered ciprofloxacin in patients with various degrees of renal function. Drusano GL, et al. **Antimicrob Agents Chemother** 1987 Jun;31(6):860–4

Ciprofloxacin pharmacokinetics in patients with normal and impaired renal function. Gasser TC, et al. **Antimicrob Agents Chemother** 1987 May;31(5):709–12

Pharmacokinetics of ticarcillin and clavulanic acid (timentin) in relation to renal function. Jungbluth GL, et al. **Antimicrob Agents Chemother** 1986 Dec;30(6):896–900

Pharmacokinetics of cefmenoxime in patients with impaired renal function and in those undergoing hemodialysis. Konishi K. **Antimicrob Agents Chemother** 1986 Dec; 30(6):901–5

Immunohistochemical typing of amyloid on hydroxyethyl–methacrylate–embedded renal biopsies. Donini U, et al. **Appl Pathol** 1984;2(6):299–307

An animal model of cisplatin–induced magnesium deficiency. Ormond T, et al. **Arch Toxicol [Suppl]** 1987;11:270–2

Purification of nonspecific lipid transfer protein (sterol carrier protein 2) from human liver and its deficiency in livers from patients with cerebro–hepato–renal (Zellweger) syndrome. van Amerongen A, et al. **Biochim Biophys Acta** 1987 Jun 2;919(2):149–55

Morphine intoxication in renal failure: the role of morphine–6–glucuronide [letter] Gordon HL. **Br Med J [Clin Res]** 1986 Sep 27;293(6550):818–9

Analysis of serum and urinary retinol binding protein in hepato–renal syndrome. Bosin E, et al. **Clin Biochem** 1987 Feb;20(1):47–51

Biochemical changes in liver, kidney and blood associated with common bile duct ligation. Israeli BA, et al. **Clin Chim Acta** 1986 Oct 31;160(2):211–21

Deficient cholesterol side chain oxidation in patients without peroxisomes (Zellweger syndrome): evidence for the involvement of peroxisomes in bile acid synthesis in man. Wanders RJ, et al. **Clin Chim Acta** 1987 Feb 15; 162(3):295–301

Peroxisomal very long–chain fatty acid beta–oxidation in human skin fibroblasts: activity in Zellweger syndrome and other peroxisomal disorders. Wanders RJ, et al. **Clin Chim Acta** 1987 Jul 15;166(2–3):255–63

High serum concentrations of mezlocillin in a critically ill patient with renal and hepatic dysfunction. Cooper BE, et al. **Clin Pharm** 1986 Sep;5(9):764–6

Pharmacokinetics of bisoprolol during repeated oral administration to healthy volunteers and patients with kidney or liver disease. Kirch W, et al. **Clin Pharmacokinet** 1987 Aug;13(2):110–7

Elimination of enoxacin in renal disease. Bury RW, et al. **Clin Pharmacol Ther** 1987 Apr;41(4):434–8

Disposition of vancomycin during hemofiltration. Matzke GR, et al. **Clin Pharmacol Ther** 1986 Oct;40(4):425–30

D–xylose absorption and disposition in patients with moderately impaired renal function. Worwag EM, et al. **Clin Pharmacol Ther** 1987 Mar;41(3):351–7

Preliminary evaluation of 99mTc mercaptoacetyltriglycine as a replacement for 131I OIH. Taylor A Jr, et al. **Contrib Nephrol** 1987;56:38–43

Effect of volume expansion and urinary obstruction on the renal transit time of 99mTc–DTPA. Vivian GC, et al. **Contrib Nephrol** 1987;56:65–70

Pharmacokinetics of flecainide in patients with mild and moderate renal failure compared with patients with normal renal function. Braun J, et al. **Eur J Clin Pharmacol** 1987; 31(6):711–4

Study of the elimination kinetics of torasemide, a novel loop diuretic, in renal insufficiency. Dodion L, et al. **Eur J Clin Pharmacol** 1986;31 Suppl:49–51

Pharmacokinetics of TZU–0460, a new H2–receptor antagonist, in patients with impaired renal function. Takabatake T, et al. **Eur J Clin Pharmacol** 1986; 30(6):709–12

Pleural fluid levels of cefoxitin in patients with renal impairment. Barrueco M, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Sep;24(9):485–9

Pharmacokinetics of erythromycin in patients with different degrees of renal impairment. Disse B, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Sep;24(9):460–4

Pharmacokinetics of ciprofloxacin in healthy volunteers and patients with impaired kidney function. Webb DB, et al. **J Antimicrob Chemother** 1986 Nov;18 Suppl D:83–7

Calcitriol, parathyroid hormone, and accumulation of aluminum in bone in dogs with renal failure. Malluche HH, et al. **J Clin Invest** 1987 Mar;79(3):754–61

The role of zinc in renal diseases. Alam SM, et al. **J Indian Med Assoc** 1986 Aug;84(8):233–6

Effects of atrial natriuretic factor in rats with renal insufficiency. Sterzel RB, et al. **J Lab Clin Med** 1987 Jul; 110(1):63–9

Procoagulant activity in kidneys of normal and bacterial lipopolysaccharide–treated rabbits. Brukman J, et al. **Kidney Int** 1987 Jul;32(1):31–8

Glomerular deposition of cross–linked fibrin in human kidney diseases. Takemura T, et al. **Kidney Int** 1987 Jul; 32(1):102–11

Angiotensin, ACE inhibition and the kidney. Venice, Italy, September 1985. Proceedings. **Kidney Int [Suppl]** 1987 May; 20:S1–234

Vitamin toxicity in the renally impaired [letter] Kutsop JJ. **Nurse Pract** 1987 Apr;12(4):6–8

Plasma protein binding of digitoxin and some other drugs in renal disease. Lohman JJ, et al. **Pharm Weekbl [Sci]** 1987 Apr 24;9(2):75–8 (31 ref.)

Pharmacokinetics and effects of isoxicam on renal function in patients with renal insufficiency. Brooks PM, et al. **Pharmatherapeutica** 1986;4(10):665–72

Kinetics of cefsulodin in patients with renal impairment. Gibson TP, et al. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S689–97

[A preliminary study on the material basis of the theory, "kidney has its specific opening in ears" in traditional Chinese medicine, from the point of view of calcium and phosphorus metabolism. Observation of 56 cases with kidney deficiency] Liu LM. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Sep;6(9):538–9, 516 (Eng. Abstr.) **(Chi)**

[Pharmacokinetics of cefixime in patients with impaired renal function] Maeda H, et al. **Jpn J Antibiot** 1986 Oct; 39(10):2716–20 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetics of astromicin intravenous drip infusion in patients with renal disorders] Moriguchi R, et al. **Jpn J Antibiot** 1986 Jun;39(6):1480–6 (Eng. Abstr.) **(Jpn)**

[The role of fibronectin in some diseases of the kidney] Kałużyński A, et al. **Przegl Lek** 1986;43(5):416–8 **(Pol)**

[Calcium metabolism in kidney diseases in children] Panchenko EL, et al. **Pediatriia** 1986 Nov;(11):22–4 (Eng. Abstr.) **(Rus)**

[Beta 2–microglobulin in the blood serum and urine of patients with interstitial kidney lesions] Golovanova OE, et al. **Ter Arkh** 1986;58(8):27–9 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Infected giant serous cyst of the kidney] Herranz Amo F, et al. **Arch Esp Urol** 1987 Mar;40(2):127–9 (Eng. Abstr.) **(Spa)**

OCCURRENCE

The prevalence of renal amyloidosis of the AA–type in a series of 1,158 consecutive autopsies. Löfberg H, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1987 Sep; 95(5):297–302

Morbidity patterns in a general paediatric unit in rural Western Australia. Harris L, et al. **Med J Aust** 1986 Nov 3;145(9):441–3

[Epidemiology and risk factors for nephropathy in children living in the Vinnitsa region] Iziumets OI, et al. **Pediatriia** 1986 Sep;(9):74–5 **(Rus)**

PATHOLOGY

Renal and prostatic malakoplakia associated with submassive hepatic necrosis. A case report with immunocytochemical, ultrastructural and X–ray analytical observations. Nonomura A, et al. **Acta Pathol Jpn** 1986 Aug; 36(8):1251–62

Renal lesions in plasma cell dyscrasias: ultrastructural observations. Pirani CL, et al. **Am J Kidney Dis** 1987 Sep; 10(3):208–21

Cholesterol atheroembolic renal disease with necrotizing glomerulonephritis [letter] Rémy P, et al. **Am J Nephrol** 1987;7(2):164–5

Spontaneous passage of renal calculi through nephrocutaneous fistula due to calculous pyelonephritis. Iseki T, et al. **Br J Urol** 1987 Mar;59(3):285–6

Renal failure and the histopathological features of myeloma kidney reversed by intensive chemotherapy and peritoneal dialysis. Rose PE, et al. **Br Med J** 1987 Feb 14; 294(6569):411–2

A prospective study on the impact of the renal biopsy in clinical management. Turner MW, et al. **Clin Nephrol** 1986 Nov;26(5):217–21

Brief review of the morphology of ciclosporin nephropathy. Mihatsch MJ, et al. **Contrib Nephrol** 1986;51:156–61

Monitoring of ciclosporin toxicity by exfoliative urinary cytology in renal transplantation. Stella F, et al. **Contrib Nephrol** 1986;51:152–5

Maternal mortality due to the hepatorenal syndrome of pre–eclampsia. A case report. van Dongen PW, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Oct;9(5):299–306

Peroxisomes and peroxisomal functions in muscle. Studies with muscle cells from controls and a patient with the cerebro–hepato–renal (Zellweger) syndrome. Wanders RJ, et al. **Exp Cell Res** 1987 May;170(1):147–52

Renal cholesterol granulomas: identification and morphological pattern of development [letter] Harrison DJ. **Histopathology** 1986 Sep;10(9):1001

Fungal and nocardial infections of the kidney. Raghavan R, et al. **Histopathology** 1987 Jan;11(1):9–20

Renal lipidoses: a review. Faraggiana T, et al. **Hum Pathol** 1987 Jul;18(7):661–79 (62 ref.)

Glomerular lesions associated with liver cirrhosis: an immunohistochemical and clinicopathologic analysis. Kawaguchi K, et al. **Hum Pathol** 1986 Nov;17(11):1137–43

Chronic glucocorticoid therapy amplifies glomerular injury in rats with renal ablation. Garcia DL, et al. **J Clin Invest** 1987 Sep;80(3):867–74

Hypokalemic nephropathy in the rat. Role of ammonia in chronic tubular injury. Tolins JP, et al. **J Clin Invest** 1987 May;79(5):1447–58

Relation between renal calcium content and renal impairment in 246 human renal biopsies. Gimenez LF, et al. **Kidney Int** 1987 Jan;31(1):93–9

Immunoelectron microscopic study of glomerular lesions using a postembedding method with a protein A–gold complex. Nakajima M, et al. **Nephron** 1987;46(2):182–7

Electron microscopic study of pyelointerstitial reflux scars. Laberke HG. **Pathol Res Pract** 1987 Jun;182(3):368–80

Renal biopsy. **Semin Nephrol** 1985 Dec;5(4):237–313

Diagnostic, prognostic, and therapeutic implications of the renal biopsy in children with renal disease. Hogg RJ. **Semin Nephrol** 1985 Dec;5(4):240–54

Basement membrane proteoglycans of the kidney. Kanwar YS, et al. **Semin Nephrol** 1985 Dec;5(4):307–13

Renal biopsy in 1985. Manaligod JR, et al. **Semin Nephrol** 1985 Dec;5(4):237–9

Utility of urinary cytology in renal diseases. Schumann GB. **Semin Nephrol** 1985 Sep;5(3):158–78

Acellular scanning electron microscopy of spicular renal amyloidosis. Bonsib SM, et al. **Ultrastruct Pathol** 1986; 10(6):497–504

Ultrasonically continuously guided renal biopsy. Branger B, et al. **Uremia Invest** 1985–86;9(2):297–303

Renal parenchymal disease: histopathologic–sonographic correlation. Patel PJ. **Urol Int** 1986;41(4):289–91

Percutaneous renal biopsies: accuracy, safety, and indications. Nadel L, et al. **Urol Radiol** 1986;8(2):67–71

Wegener granulomatosis presenting as renal mass. Schapira HE, et al. **Urology** 1986 Oct;28(4):307–9

Kappa light chain nephropathy. A pathologic study. Bangerter AR, et al. **Virchows Arch [A]** 1987;410(6):531–9

[The pulmo–renal syndrome] Giampalmo A, et al. **Pathologe** 1987 Mar;8(2):125–6 **(Ger)**

[Spontaneous bilateral perirenal hematoma as a complication of Wegener's granulomatosis] Hartmann CA. **Pathologe** 1987 Jul;8(4):237–41 **(Ger)**

[Ultrasound–controlled percutaneous kidney biopsy] Harzmann R, et al. **Ultraschall Med** 1986 Oct;7(5):209–12 (Eng. Abstr.) **(Ger)**

[Reflux nephropathy. Pathologic anatomy, differential diagnosis and etiopathogenesis] Laberke HG. **Veroff Pathol** 1987;128:1–257 (Eng. Abstr.) **(Ger)**

[A case of heterotopic bone formation in the kidney] Tojo M, et al. **Hinyokika Kiyo** 1986 Jul;32(7):1030–3 (Eng. Abstr.) **(Jpn)**

[Morphological changes in the kidney glomeruli in gout] Dikshtein EA, et al. **Arkh Patol** 1986;48(9):54–8 (Eng. Abstr.) **(Rus)**

[Xanthogranulomatous pyelonephritis, squamous cell cancer and lithiasis in 1 kidney] Moldavskiĭ MI, et al. **Arkh Patol** 1986;48(9):62–3 (Eng. Abstr.) **(Rus)**

[Value of morphometry in the endocrine system of the kidneys] Pal'tsev MA. **Arkh Patol** 1987;49(1):62–7 (Eng. Abstr.) **(Rus)**

[Pathologically mobile kidneys] Fedorchenko PM, et al. **Klin Khir** 1986;(12):8–10 (Eng. Abstr.) **(Rus)**

[Morphologic criteria for the diagnosis of gouty nephropathy] Vasilenko IV, et al. **Sov Med** 1986;(11):63–6 **(Rus)**

[Long–term remission of the nephrotic syndrome in renal amyloidosis] Valentik MF, et al. **Ter Arkh** 1986;58(8):101–2 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Proceedings from the International Symposium on Renal Function and Disease in Pregnancy. Chicago, Illinois, September 19–20, 1986. **Am J Kidney Dis** 1987 Apr; 9(4):243–380

Renal hemodynamic changes in humans. Response to protein loading in normal and diseased kidneys. Bosch JP, et al. **Am J Med** 1986 Nov;81(5):809–15

Renal hemodynamic changes in humans: response to protein loading in normal and diseased kidneys [letter] Brouhard BH. **Am J Med** 1987 Apr;82(4):868

Hepatorenal syndrome. Studies of the effect of vascular volume and intraperitoneal pressure on renal and hepatic function. Cade R, et al. **Am J Med** 1987 Mar;82(3):427–38

Early changes in renal function following chemically induced nephropathy. Wilks MF, et al. **Clin Physiol Biochem** 1986; 4(4):239–51

Assessment of renal function and scarring: is a DMSA scan always necessary? Wujanto R, et al. **Contrib Nephrol** 1987; 56:250–5

Metabolic consequences of differing protein diets in experimental renal disease. Williams AJ, et al. **Eur J Clin Invest** 1987 Apr;17(2):117–22

Haemodynamic changes in renal patients with preserved excretory function of the kidneys. Dimitrakov D, et al. **Folia Med (Plovdiv)** 1986;28(1):18–20

Effects of renal impairment on liver transplantation. Rimola A, et al. **Gastroenterology** 1987 Jul;93(1):148–56

Repair of sublethal radiation injury after multiple small doses in mouse kidney: an estimate of flexure dose. Stewart FA, et al. **Int J Radiat Oncol Biol Phys** 1987 May;13(5):765–72

Progressive renal disease: is the slippery slope species specific? Hostetter TH. **J Lab Clin Med** 1987 Apr; 109(4):375–7

Plasma and urinary catecholamines as related to renal function in man. Laederach K, et al. **Kidney Int** 1987 Jan;

31(1):107–11
Does lead exposure contribute to deterioration of renal function in patients with renal disease? [letter] Ritz E, et al. **Nephrol Dial Transplant** 1986;1(3):206–7
Glomerular filtration rate variations in patients with solitary kidneys after a protein load. Rugiu C, et al. **Uremia Invest** 1985–86;9(2):159–63
Quantitative renal blood flow in urinary tract obstruction. Moskovitz B, et al. **Urol Int** 1987;42(2):96–9
[The significance of renal prostaglandins for kidney function in early childhood] Seyberth HW. **Monatsschr Kinderheilkd** 1987 Apr;135(4):178–84 (Eng. Abstr.) (Ger)
[Importance of tubulo–interstitial changes in glomerular excretory and urine concentrating function of the kidney] Bohle A, et al. **Zentralbl Allg Pathol** 1986;132(5–6):351–63 (22 ref.) (Eng. Abstr.) (Ger)
[Kidney disease and the injury of other organs] **Nippon Jinzo Gakkai Shi** 1986 Jul;28(7):894–912 (Jpn)
[Electrolyte abnormalities and renal failure in the elderly] Kato E, et al. **Nippon Ronen Igakkai Zasshi** 1986 Jul; 23(4):379–81 (Jpn)
[Use of central hemodynamic indices for assessing the degree of severity of nephropathy in labor] Kastrubin EM, et al. **Akush Ginekol (Mosk)** 1987 Apr;(4):37–9 (Eng. Abstr.) (Rus)
[Changes in the EEG of pregnant women with nephropathy] Palinka GK, et al. **Akush Ginekol (Mosk)** 1987 Feb; (2):37–40 (Eng. Abstr.) (Rus)
[Kidney concentrating function and causes of its disorder in heart surgery patients] Dement'eva II, et al. **Anesteziol Reanimatol** 1987 Mar–Apr;(2):11–5 (Eng. Abstr.) (Rus)
[Evaluation of renal function in the postoperative period based on data from radionuclide studies] Smoliarenko LV. **Urol Nefrol (Mosk)** 1986 Sep–Oct;(5):21–4 (Eng. Abstr.) (Rus)
[Evaluation of glomerular filtration using 99m–Tc–DTPA] Herrera Castillo JJ, et al. **Rev Med Panama** 1986 Sep; 11(3):181–7 (Eng. Abstr.) (Spa)

PREVENTION & CONTROL

Prevention of hypercalcemia–induced renal concentrating defect and tissue calcium accumulation. Harris DC, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):F642–6
Kidney donors and protein intake [letter] Rocher LL, et al. **Ann Intern Med** 1987 Sep;107(3):427
Control of some aspects of cis–platinum nephrotoxicity. Jones MM, et al. **Arch Toxicol** 1986 Oct;59(3):167–71
Effect of protein restriction in insulin dependent diabetics at risk of nephropathy. Cohen D, et al. **Br Med J [Clin Res]** 1987 Mar 28;294(6575):795–8
Prevention of parathyroid hormone–dependent nephrocalcinosis by chronic administration of the organic phosphorothioate WR–2721. Hirschel–Scholz S, et al. **Calcif Tissue Int** 1987 Feb;40(2):103–8
High potassium diets markedly protect against stroke deaths and kidney disease in hypertensive rats, a possible legacy from prehistoric times. Tobian L. **Can J Physiol Pharmacol** 1986 Jun;64(6):840–8
Prevention of cisplatin nephrotoxicity. De Broe ME, et al. **Eur J Cancer Clin Oncol** 1986 Sep;22(9):1029–31
Prevention of nephrotoxic cyclosporine peak concentrations by daily drug division in 3 equal oral portions. Zazgornik J, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Apr; 25(4):197–200
Phase I/II trials of WR–2721 and cis–platinum. Glover D, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1509–12
Nitrendipine protects against aminoglycoside nephrotoxicity in the rat. Lee SM, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 1:S65–9
High–potassium diets markedly protect against stroke deaths and kidney disease in hypertensive rats, an echo from prehistoric days. Tobian L. **J Hypertens [Suppl]** 1986 Oct; 4(4):S67–76
The effects of somatostatin and SMS 201–995 on experimentally–induced pancreatitis and endotoxaemia in rats and on monocyte activity in patients with cirrhosis and portal hypertension. Jenkins SA, et al. **Klin Wochenschr** 1986;64 Suppl 7:100–6
Prevention of renoprival nephropathy [clinical conference] Avasthi PS. **West J Med** 1986 Oct;145(4):497–501
[Use of cyclosporin A in autoimmune diseases (letter)] Schädelin J, et al. **Presse Med** 1987 Mar 28;16(11):542–3 (Fre)
[Therapeutic recommendation in cardiac insufficiency. Initial treatment—after infarct—in kidney disease] Pitt B. **Fortschr Med** 1987;105 Suppl 33:18–22 (Ger)
[Indomethacin and furosemide in closure of ductus arteriosus] Vargas–Origel A, et al. **Bol Med Hosp Infant Mex** 1986 Aug;43(8):482–8 (Eng. Abstr.) (Spa)

RADIOGRAPHY

Clinical evaluation of patients with hypertension and exercise–induced renal dysfunction. Clorius JH, et al. **Hypertension** 1987 Sep;10(3):287–93
The viewbox. Computed tomography. Salomon CG. **IMJ** 1987 Jan;171(1):6, 42–3
Computed tomography of renal aspergillosis. Zirinsky K, et al. **J Comput Assist Tomogr** 1987 Jan–Feb;11(1):177–8
Spontaneous renal rupture: evaluation by computerized tomography. Belkin BA, et al. **J Urol** 1987 Jul;138(1):120–2
Excretory urography in the emergency department: utility of teleradiology. DiSantis DJ, et al. **Radiology** 1987 Aug; 164(2):363–4
Urologic aspects of digital subtraction angiography. Boxt LM, et al. **Semin Urol** 1985 May;3(2):99–110 (19 ref.)
Calcified renal masses. Patterson J, et al. **Urology** 1987 Apr; 29(4):353–6 (35 ref.)
[Selective angiographic manifestations of certain renal diseases] Yu JC. **Chung Hua Fang She Hsueh Tsa Chih** 1987 Feb;21(1):37–9 (Eng. Abstr.) (Chi)
[Functional study of the upper urinary tract using television recording] Heinrichs B, et al. **Acta Urol Belg** 1987; 55(1):14–7 (Eng. Abstr.) (Fre)
[Computed tomography evaluation of kidney diseases] Marincek B. **Schweiz Med Wochenschr** 1987 May 30; 117(22):849–51 (Eng. Abstr.) (Ger)
[New imaging diagnosis of the kidney] **Nippon Jinzo Gakkai Shi** 1986 Jul;28(7):960–70 (Jpn)
[16 years' observation of renal calcinosis] Słomka S. **Pol Przegl Radiol (Warszawa)** 1986 Jul–Aug;50(4):225–6 (Eng. Abstr.) (Pol)
[Angiography in the diagnosis of complications in the late period after kidney injury] Zingerman LS, et al. **Khirurgiia (Mosk)** 1986 Dec;(12):101–5 (Rus)
[Pharmacourography using furosemide] Imnaishvili GM. **Sov Med** 1987;(6):110–3 (Rus)
[Primary chronic pyelonephritis or diffuse kidney lesions? (critical comments on interpreting the data from a urologic x–ray examination)] Shpigel' AN. **Ter Arkh** 1986; 58(8):120–7 (Eng. Abstr.) (Rus)
[Computer–assisted roentgenologic diagnosis of diseases of organs and systems] Rabkin IKh. **Vestn Rentgenol Radiol** 1987 Jan–Feb;(1):7–10 (Eng. Abstr.) (Rus)
[Renal nocardiosis: clinical note] García Díez F, et al. **Arch Esp Urol** 1987 Mar;40(2):115–8 (Eng. Abstr.) (Spa)
[Renal abscess and computerized axial tomography] Torres Badillo A, et al. **Rev Invest Clin** 1987 Jan–Mar;39(1):47–52 (Eng. Abstr.) (Spa)

RADIONUCLIDE IMAGING

Use of 99Tcm radionuclides to show nephrotoxicity of cyclosporin A in transplanted kidneys. Thomsen HS, et al. **Acta Radiol** 1987 Jan–Feb;28(1):59–61
Gamma camera renography with 99Tcm–MDP and 131I–Hippuran. Thomsen F, et al. **Acta Radiol (Diagn) (Stockh)** 1986 Sep–Oct;27(5):565–8
Imaging in acute renal infection in children [letter] Daly MJ. **AJR** 1987 Jul;149(1):206
Imaging in acute renal infection in children. Sty JR, et al. **AJR** 1987 Mar;148(3):471–7
The measurement of renal function with radionuclides. Britton KE. **Ann Acad Med Singapore** 1986 Oct; 15(4):539–45
Urinoma detected by dual isotope renogram–cystogram. Baker AL, et al. **Clin Nucl Med** 1987 Apr;12(4):258–9
Differential diagnosis of prolonged cortical retention of radiotracer in technetium–99m DTPA renal scintigraphy. Blue PW, et al. **Clin Nucl Med** 1987 Jan;12(1):77–83
Renal amyloidosis. Evaluation by gallium imaging. Lee VW, et al. **Clin Nucl Med** 1986 Sep;11(9):642–6
Radionuclide demonstration of a renopleural fistula following trauma. Manier SM, et al. **Clin Nucl Med** 1986 Dec; 11(12):870–1
Flip–flop phenomenon in radiohippuran renal imaging. A sign of obstructive nephropathy. Shih WJ, et al. **Clin Nucl Med** 1986 Oct;11(10):707–12
Radionuclides in nephrology. **Contrib Nephrol** 1987;56:1–276
Radioisotopic evaluation of the renal parenchymal function in children with ureteropelvic junction obstruction. A retrospective study. Piepsz A, et al. **Eur J Pediatr** 1986 Aug;145(3):207–10
Renal handling of technetium–99m DMSA: further evidence for glomerular filtration and proximal tubular reabsorption [letter] van Luijk WH, et al. **J Nucl Med** 1986 Dec; 27(12):1943
Indications for 99mtechnetium dimercapto–succinic acid scan in children. Gordon I. **J Urol** 1987 Mar;137(3):464–7
Demonstration of a renoperitoneal fistula by radionuclide renal scanning: a case report. Durr–e–Sabih, et al. **JPMA** 1986 May;36(5):118–20
Physiologic aspects of diagnostic renal imaging. Fine EJ, et al. **Semin Nephrol** 1985 Sep;5(3):188–207
Abdominal SPECT imaging. Van Heertum RL, et al. **Semin Nucl Med** 1987 Jul;17(3):230–46 (79 ref.)
Evaluation of separate renal function by means of 99mTc–aprotinin uptake test. Aprile C, et al. **Uremia Invest** 1985–86;9(2):165–70
99mTc–aprotinin for the study of renal morphology and tubular function. Bianchi C, et al. **Uremia Invest** 1985–86; 9(2):139–46 (22 ref.)
Validation of a simple isotopic technique for the measurement of global and separated renal function. Chachati A, et al. **Uremia Invest** 1985–86;9(2):177–9
Reliability of single kidney glomerular filtration rate measured by a 99mTc–DTPA gamma camera technique. Rehling M, et al. **Uremia Invest** 1985–86;9(2):171–6
Renogram evaluation using an equation of balance for clearance and transit time determination. Wolf IH, et al. **Uremia Invest** 1985–86;9(2):181–6
[Renal disease and scintigraphy with 99mTC–MDP. The value of bone scintigraphy in assessing disease in the kidneys and upper urinary tract] Thomsen F, et al. **Ugeskr Laeger** 1987 May 4;149(19):1258–60 (Eng. Abstr.) (Dan)
[Renal scintigraphy under hyperdiuresis in upper urinary tract dilatations] Nahas WC, et al. **J Urol (Paris)** 1986; 92(3):159–63 (Eng. Abstr.) (Fre)
[Modern studies of kidney function] Schulze BD, et al. **Z Arztl Fortbild (Jena)** 1986;80(14):571–3 (Ger)
[Kidney function of amyloidosis patients studied by radioisotope renography using 131I–hippuran] Mukharliamova LIu, et al. **Ter Arkh** 1986;58(8):55–7 (Eng. Abstr.) (Rus)

REHABILITATION

Rehabilitation: how can more dialysis and transplant patients be fully rehabilitated? Martino AN. **Transplant Proc** 1987 Apr;19(2 Suppl 2):107–10
[Diet, spa treatment, school sports and free transportation for school children with kidney and urologic diseases] Lennert T. **Off Gesundheitswes** 1986 Aug;48(8):443–8 (Eng. Abstr.) (Ger)

SURGERY

The reversal of the hepatorenal syndrome in four pediatric patients following successful orthotopic liver transplantation. Wood RP, et al. **Ann Surg** 1987 Apr; 205(4):415–9
Renal biopsy in Fabry's disease eight years after successful renal transplantation. Friedlaender MM, et al. **Clin Nephrol** 1987 Apr;27(4):206–11
Percutaneous nephrostomy in paediatrics. Irving HC, et al. **Clin Radiol** 1987 May;38(3):245–8
Percutaneous endoscopic fulguration of a large volume caliceal diverticulum. Hulbert JC, et al. **J Urol** 1987 Jul; 138(1):116–7
Renal abscess owing to salmonella septicemia: percutaneous drainage. Kaneti J, et al. **J Urol** 1987 Aug;138(2):395–6
Peritoneovenous shunt in the management of the hepatorenal syndrome. Linas SL, et al. **Kidney Int** 1986 Nov; 30(5):736–40
Abscess drainage in the genitourinary tract. Bernardino ME, et al. **Radiol Clin North Am** 1986 Dec;24(4):539–49
National study in natural history of renal allografts in sickle cell disease or trait: a second report. Chatterjee SN. **Transplant Proc** 1987 Apr;19(2 Suppl 2):33–5
[Kidney carbuncle in a 9–year–old boy] Goudarzi YM. **Urologe [A]** 1987 Mar;26(2):55–6 (Eng. Abstr.) (Ger)
[The percutaneous approach to the pediatric kidney] Schönberger B, et al. **Z Urol Nephrol** 1987 Jun;80(6):313–21 (Eng. Abstr.) (Ger)
[Treatment of renal abscesses by percutaneous puncture and drainage under ultrasonic control] Kuzaka B, et al. **Pol Tyg Lek** 1986 Sep 29;41(39):1247–50 (Eng. Abstr.) (Pol)
[Simultaneous correction of nephroptosis and plastic surgery of ventral hernia] Makhovskii VZ. **Khirurgiia (Mosk)** 1987 Mar;(3):106–9 (Rus)
[Surgical treatment of nonparasitic chyluria] Rasputniak SG, et al. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):62–3 (Rus)
[Immediate and late results of nephropexy by the Rivoir technic as modified by A. Ia. Pytel' and N. A. Lopatkin] Sopilidi FL, et al. **Urol Nefrol (Mosk)** 1987 Jan–Feb; (1):55–6 (Rus)

THERAPY

Abstracts of the annual scientific meeting. National Kidney Foundation. **Am J Kidney Dis** 1986 Dec;8(6):A1–20
Factor VIII concentrate–responsive thrombocytopenia, hemolytic anemia, and nephropathy. Evidence that factor VIII:von Willebrand factor is involved in its pathogenesis. Hara T, et al. **Am J Pediatr Hematol Oncol** 1986 Winter; 8(4):324–8
Plasma exchange in the treatment of glomerulonephritis and other renal diseases. Walker RG, et al. **Aust NZ J Med** 1986 Dec;16(6):828–38 (182 ref.)
The management of obstructive renal candidiasis in the neonate. Robinson PJ, et al. **Br J Urol** 1987 May; 59(5):380–2
Life threatening haemorrhage from a mycotic renal pseudoaneurysm treated by segmental renal artery embolisation. Hall CL, et al. **Br Med J [Clin Res]** 1987 Jun 13;294(6586):1526
Solid malignant tumors in children: an experience with 506 cases. Vane DW, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1987;124 Spec No:197–216
The renal unit. Lee HA. **Contemp Issues Clin Biochem** 1985; 2:184–9
Blood detoxification and other therapeutical alternatives in nephrology. Treviño–Becerra A. **Int J Artif Organs** 1986 Sep;9(5):281–4
The hepatorenal syndrome. Pinzani M, et al. **Intensive Care Med** 1987;13(3):148–53
The hepatorenal syndrome revisited. Wilkinson SP. **Intensive Care Med** 1987;13(3):145–7
Renal disease 1947–1987. A PGM retrospective. de Wardener HE. **Postgrad Med** 1987 Sep 15;82(4):89–92, 95
[Percutaneous drainage in the treatment of kidney abscess. Apropos of 2 cases] Mosbah A, et al. **J Urol (Paris)** 1986; 92(8):549–51 (Eng. Abstr.) (Fre)

[What is new in nephrology?] Truniger B.
Schweiz Rundsch Med Prax 1987 Jan 20;76(4):86–91 (Eng. Abstr.) **(Ger)**
[Therapy of the hepatorenal syndrome] Laffi G, et al.
Minerva Med 1987 May 31;78(10):669–74 **(Ita)**
[Management of cardiac patients with renal insufficiency during cardiopulmonary bypass] Sudoh K, et al.
Nippon Kyobu Geka Gakkai Zasshi 1987 Feb;35(2):183–91 (Eng. Abstr.) **(Jpn)**
[Use of the technic of variation pulsometry to evaluate the adequacy of infusion therapy among pregnant women with nephropathy] Sukhanova LP, et al.
Anesteziol Reanimatol 1986 Jul–Aug;(4):67–71 (Eng. Abstr.) **(Rus)**
[Arrest of profuse hemorrhage following kidney biopsy by embolization of the damaged artery] Kogan AS, et al.
Urol Nefrol (Mosk) 1986 Jul–Aug;(4):61–2 **(Rus)**
[General principles of treatment for patients with kidney diseases] Pyrig LA. **Vrach Delo** 1987 Feb;(2):52–5 **(Rus)**
[Optimization of dispensary observation of nephrologic patients in the Ukrainian SSR] Trachenko VA.
Vrach Delo 1987 Jun;(6):6–8 **(Rus)**

URINE

Reliability of urinary N–acetyl–beta–D–glucosaminidase as an indicator of renal tubular damage in neonates. Watanabe K, et al. **Biol Neonate** 1987;52(1):16–21
Assessment of urinary retinol–binding protein as an index of proximal tubular injury. Bernard AM, et al.
Clin Chem 1987 Jun;33(6):775–9
Proteinuria in health and disease assessed by measuring the urinary protein/creatinine ratio. Lemann J Jr, et al.
Clin Chem 1987 Feb;33(2 Pt 1):297–9
Rapid diagnosis of Zellweger syndrome and infantile Refsum's disease by fast atom bombardment—mass spectrometry of urine bile salts. Lawson AM, et al.
Clin Chim Acta 1986 Dec 15;161(2):221–31
Immunoglobulin light–chain immunoblots of urine proteins from patients with tubular and Bence–Jones proteinuria. Norden AG, et al. **Clin Chim Acta** 1987 Jul 15; 166(2–3):307–15
3,5–Diiodotyrosine and thyronine in the urine of patients with chronic renal disease. Ramsden DB, et al.
Clin Endocrinol (Oxf) 1986 May;24(5):491–5
Urinary excretion of N–acetyl–glucosaminidase and beta–2–microglobulin as early markers of gentamicin nephrotoxicity in neonates. Gouyon JB, et al.
Dev Pharmacol Ther 1987;10(2):145–52
Bedside urinalysis in untreated leprosy patients. Singh RG, et al. **Indian J Lepr** 1986 Jul–Sep;58(3):407–14
Coordinately increased lysozymuria and lysosomal enzymuria induced by maleic acid. Al–Bander HA, et al. **Kidney Int** 1986 Dec;30(6):804–12
Phase contrast microscopy of the urine sediment for the diagnosis of glomerular and nonglomerular bleeding–data in children and adults with normal creatinine clearance. De Santo NG, et al. **Nephron** 1987;45(1):35–9
Urinary excretion of hydroxylysine and its glycosides in Alport's syndrome and several other glomerulopathies. Schröder CH, et al. **Nephron** 1986;44(2):103–7
Determination of urokinase in the urine of healthy volunteers and patients with renal diseases. Takada A, et al.
Thromb Res 1986 Dec 15;44(6):867–73
Use of the CaNa2 EDTA Pb–mobilization test to detect occult lead nephropathy. Wedeen RP. **Uremia Invest** 1985–86;9(2):127–30
[Usefulness of urinary electrolyte determination] Jaeger P.
Schweiz Med Wochenschr 1987 Feb 21;117(8):292–7 (Eng. Abstr.) **(Fre)**
[Rational diagnosis of hematuria] Mann J, et al.
Dtsch Med Wochenschr 1987 Aug 21;112(34):1306–9 **(Ger)**
[Trace elements in nephrology] Prehn B. **Z Urol Nephrol** 1987 May;80(5):289–304 (Eng. Abstr.) **(Ger)**
[Urinary protein analysis of various renal diseases in childhood—significance of urinary protein analysis] Yamamoto T. **Nippon Jinzo Gakkai Shi** 1986 Jun; 28(6):707–20 (Eng. Abstr.) **(Jpn)**
[Systemic lupus erythematosus without changes in the examination of the urine] Rojas C, et al. **Rev Med Chil** 1987 Feb;115(2):120–5 (Eng. Abstr.) **(Spa)**

VETERINARY

Study of the postulated identity of Hoferellus cyprini (Doflein, 1898) and Mitraspora cyprini Fujita, 1912. Molnár K, et al. **Acta Vet Hung** 1986;34(3–4):175–81
Renal functional relationships in dogs with glomerulopathies. Allen TA, et al. **Am J Vet Res** 1987 Apr;48(4):610–2
The nephrotoxicity of Isotropis forrestii in sheep. Cooper TB, et al. **Aust Vet J** 1986 Jun;63(6):178–82
Comparison of the nephropathogenicity of four strains of infectious bronchitis virus. Albassam MA, et al.
Avian Dis 1986 Jul–Sep;30(3):468–76
Progress in equine nephrology [editorial] Macdougall DF, et al. **Equine Vet J** 1987 May;19(3):172–3
Clinicopathologic findings associated with chronic renal disease in cats: 74 cases (1973–1984). DiBartola SP, et al.
J Am Vet Med Assoc 1987 May 1;190(9):1196–202
Group B streptococcal infection in two cats. Dow SW, et al. **J Am Vet Med Assoc** 1987 Jan 1;190(1):71–2
Effects of cortisol implants on the PKX myxosporean causing proliferative kidney disease in rainbow trout, Salmo gairdneri. Kent ML, et al. **J Parasitol** 1987 Jun;73(3):455–61
Evaluation of kidney function in dogs suffering from canine encephalitozoonosis by standard clinical pathological and radiopharmaceutical techniques. Botha WS, et al.
J S Afr Vet Assoc 1986 Jun;57(2):79–86
Perinephric extravasation of urine with pseudocyst formation in a cat. Geel JK. **J S Afr Vet Assoc** 1986 Mar;57(1):33–4
Age–related non–neoplastic lesions in the heart and kidneys of Syrian hamsters of the APA strain. Doi K, et al.
Lab Anim 1987 Jul;21(3):241–8
Fatal fatty liver–kidney syndrome in obese monkeys. Laber–Laird KE, et al. **Lab Anim Sci** 1987 Apr;37(2):205–9
Proteinuria in the dog: a clinicopathological study in 51 proteinuric dogs. Biewenga WJ, et al. **Res Vet Sci** 1986 Sep;41(2):257–64
European Society of Veterinary Nephrology and Urology. Amsterdam, April 10, 1987. Proceedings.
Tijdschr Diergeneeskd 1987 Apr;112 Suppl 1:104S–128S
Renal function and polyuria. Bovee KC, et al.
Tijdschr Diergeneeskd 1987 Apr;112 Suppl 1:78S–82S
Renal injury in dogs with pyometra. de Schepper J, et al.
Tijdschr Diergeneeskd 1987 Apr;112 Suppl 1:124S–126S
The use of radio–nuclides in canine nephrology. van den Brom WE, et al. **Tijdschr Diergeneeskd** 1987 Apr;112 Suppl 1:126S–127S
Age–related variations in renal structure and function in Sprague–Dawley rats. Owen RA, et al. **Toxicol Pathol** 1986;14(2):158–67
Spontaneous renal lesions in five rat strains. Solleveld HA, et al. **Toxicol Pathol** 1986;14(2):168–74
Fatty and hemorrhagic liver and kidney syndrome in breeding hens caused by aflatoxin B1 and heat stress in the Sudan. Dafalla R, et al. **Vet Hum Toxicol** 1987 Jun; 29(3):252–4
The immune response during proliferative kidney disease in rainbow trout: a case history. Klontz GW, et al.
Vet Immunol Immunopathol 1986 Jun;12(1–4):387–93
Membranous nephropathy in the dog. Jaenke RS, et al.
Vet Pathol 1986 Nov;23(6):718–33
Renal lesions in cattle fed sodium hydroxide–treated barley. Kennedy S, et al. **Vet Pathol** 1987 May;24(3):265–71
Economic importance of proliferative kidney disease of salmonid fish in England and Wales. Clifton–Hadley RS, et al. **Vet Rec** 1986 Sep 20;119(12):305–6
Feline kidney abnormality [letter] Nash AS. **Vet Rec** 1987 Apr 4;120(14):349

KIDNEY FAILURE, ACUTE

see related
ANURIA
HEMODIALYSIS

Acute renal failure: clinical and experimental. Proceedings of the Second Bari Seminar in Nephrology. April 3–5, 1986, Bari, Italy. **Adv Exp Med Biol** 1987;212:1–324
Bari seminars in nephrology. Acute renal failure: clinical and experimental. Bari, Italy, April 3–5, 1986. Abstracts.
Miner Electrolyte Metab 1986;12(4):255–76
[Experimental renal failure and utero–placental circulatory insufficiency] Klimenko PA, et al.
Akush Ginekol (Mosk) 1986 Oct;(10):39–41 (Eng. Abstr.) **(Rus)**

BLOOD

Acute renal failure in obstetric complications. Stratta P, et al. **Biol Res Pregnancy Perinatol** 1986;7(3):113–7
Delayed digoxin toxicity following discontinuance in acute renal failure. Ho AM, et al. **Can J Anaesth** 1987 Mar; 34(2):178–81
Relationship of plasma concentrations of human atrial natriuretic peptide to renal function and blood pressure in patients with progressive chronic renal failure. Predel HG, et al. **Klin Wochenschr** 1987;65 Suppl 8:127–32
Serum aluminium levels in acute renal failure [letter] Davenport A, et al. **Lancet** 1986 Dec 13;2(8520):1397–8
Acute uremia following dietary potassium depletion. I. Effect on blood parameters related to carbohydrate metabolism. Hörl WH, et al. **Miner Electrolyte Metab** 1986;12(4):218–25
Elevated pancreatic secretory trypsin inhibitor levels during severe inflammatory disease, renal insufficiency, and after various surgical procedures. Lasson A, et al.
Scand J Gastroenterol 1986 Dec;21(10):1275–80
Therapeutic aminoglycoside monitoring in renal failure patients. Keller F, et al. **Ther Drug Monit** 1987 Jun; 9(2):148–53
[Latamoxef in resuscitation in acute renal failure. Measurement of plasma levels] Carpentier F, et al.
Therapie 1986 Nov–Dec;41(6):487–92 (Eng. Abstr.) **(Fre)**
[Behavior of arterial and venous blood gas in acute renal insufficiency caused by acute post–infectious glomerulonephritis. Considerations on the pathogenesis of nephritic edema in relation to microcirculatory and hemorheologic findings] Malossi R, et al.
Minerva Pediatr 1987 Feb 28;39(3–4):113–8 (Eng. Abstr.) **(Ita)**
[Erythrocyte deformability in acute and chronic kidney failure patients] Grinshtein IuI, et al. **Ter Arkh** 1986; 58(12):91–3 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Halothane–associated liver damage and renal failure in a young child. Hals J, et al. **Acta Anaesthesiol Scand** 1986 Nov;30(8):651–5
Contrast–induced acute renal failure. Campese VM, et al. **Adv Exp Med Biol** 1987;212:135–44 (49 ref.)
Atrial natriuretic factor increases glomerular filtration rate in the experimental acute renal failure induced by cisplatin. Capasso G, et al. **Adv Exp Med Biol** 1987;212:285–90
Drug–associated acute renal failure. A prospective collaborative study of 81 biopsied patients. Kleinknecht D, et al. **Adv Exp Med Biol** 1987;212:125–8
A clinical insight into the pathophysiology of drug–induced acute renal failure. Minetti L, et al. **Adv Exp Med Biol** 1987;212:115–23
Filtration pressure and glomerular permeability in HgCl2–acute renal failure in the dog. Vanholder R, et al. **Adv Exp Med Biol** 1987;212:63–8
Dyazide–induced reversible acute renal failure associated with intracellular crystal deposition. Farge D, et al.
Am J Kidney Dis 1986 Dec;8(6):445–9
Early and late forms of cyclosporine nephrotoxicity: studies in cardiac transplant recipients. Greenberg A, et al.
Am J Kidney Dis 1987 Jan;9(1):12–22
Renal blood flow, glomerular filtration rate, and renal morphology in cyclosporine–induced acute renal failure in Munich–Wistar rats. Racusen LC, et al.
Am J Kidney Dis 1986 Nov;8(5):319–22
Acute renal failure due to acetaminophen ingestion without concurrent hepatotoxicity [letter] Kher K, et al.
Am J Med 1987 Jun;82(6):1280–1
Light chain cast nephropathy and acute renal failure associated with rifampin therapy. Renal disease akin to myeloma kidney. Soffer O, et al. **Am J Med** 1987 May; 82(5):1052–6
Beneficial effects of atrial natriuretic factor on cisplatin–induced acute renal failure in the rat. Capasso G, et al. **Am J Nephrol** 1987;7(3):228–34
Suprofen, acute renal failure, and hematuria [letter] Abreo K, et al. **Ann Intern Med** 1986 Nov;105(5):799
Nomifensine, acute hemolytic anemia, and renal failure [letter] Bloomfield RJ, et al. **Ann Intern Med** 1986 Nov; 105(5):807
Acute intoxication due to topical application of diethylene glycol [letter] Cantarell MC, et al. **Ann Intern Med** 1987 Mar;106(3):478–9
Suprofen and acute renal failure [letter] Davis NS, et al.
Ann Intern Med 1986 Dec;105(6):976–7
Suprofen–related nephrotoxicity. A distinct clinical syndrome. Hart D, et al. **Ann Intern Med** 1987 Feb; 106(2):235–8
Suprofen and renal failure [letter] Snyder S, et al.
Ann Intern Med 1987 May;106(5):776
Salsalate exacerbation of chronic renal insufficiency. Relation to inhibition of prostaglandin synthesis. Abraham PA, et al. **Arch Intern Med** 1987 Sep;147(9):1674–6
Recurrent reversible acute renal failure from amphotericin. Sacks P, et al. **Arch Intern Med** 1987 Mar;147(3):593–5
Reversible renal failure after combined treatment with enalapril and frusemide in a patient with congestive heart failure [letter] **Br Heart J** 1986 Nov;56(5):489–90
Pulmonary oedema, jaundice and renal impairment with naproxen [letter] Reeve PA, et al. **Br J Rheumatol** 1987 Feb;26(1):70–1
Acute renal failure after overdose of labetalol. Smit AJ, et al. **Br Med J [Clin Res]** 1986 Nov 1;293(6555):1142–3
Acute renal failure following halothane anesthesia [letter] Abu–Romeh SH, et al. **Clin Nephrol** 1987 Apr;27(4):213
Enhancement of cyclosporine A nephrotoxicity by diclofenac [letter] Deray G, et al. **Clin Nephrol** 1987 Apr;27(4):213–4
Pathophysiology and clinical aspects of drug–induced tubular necrosis in man. Kleinknecht D, et al. **Contrib Nephrol** 1987; 55:145–58 (48 ref.)
Acute tubular necrosis and arterial hypertension in renal transplant patients treated with ciclosporin. Quarto di Palo F, et al. **Contrib Nephrol** 1986;51:133–6
Drug–induced renal failure—current clinical aspect. Kudoh Y, et al. **Dev Toxicol Environ Sci** 1986;14:11–4
Suprofen–induced acute renal failure. Henann NE, et al.
Drug Intell Clin Pharm 1986 Nov;20(11):860–2
Suprofen–induced acute renal failure revisited [letter] Henann NE, et al. **Drug Intell Clin Pharm** 1987 Jan;21(1 Pt 1):69
Acute renal failure due to cisplatin. De Santo NG, et al.
Int J Pediatr Nephrol 1986 Jul–Sep;7(3):145–50
Cisplatin nephrotoxicity: symptomatic hypomagnesemia and renal failure. Gomez Campdera FJ, et al.
Int J Pediatr Nephrol 1986 Jul–Sep;7(3):151–2
Acute renal failure after heart transplantation and cyclosporine therapy. McGiffin DC, et al.
J Heart Transplant 1985 Jul–Aug;4(4):396–9
Rhabdomyolysis and acute renal failure following use of succinylcholine and enflurane: report of a case. Lee SC, et al. **J Oral Maxillofac Surg** 1987 Sep;45(9):789–92
Cocaine intoxication: hyperpyrexia, rhabdomyolysis and acute renal failure. Merigian KS, et al.
J Toxicol Clin Toxicol 1987;25(1–2):135–48
The toxicity of tricyclic antidepressants [letter] Babul N, et al. **JAMA** 1987 May 8;257(18):2435
Cyclosporine nephrotoxicity. Myers BD. **Kidney Int** 1986 Dec;30(6):964–74 (72 ref.)
Acute renal insufficiency after administration of low–osmolar contrast media [letter] Cedgård S, et al. **Lancet** 1986 Nov

29;2(8518):1281
Fatal renal failure due to indomethacin [letter] Chan XM. **Lancet** 1987 Aug 8;2(8554):340
Acute renal failure after use of granulated sugar in deep infected wound [letter] Debure A, et al. **Lancet** 1987 May 2;1(8540):1034–5
Foscarnet–induced acute renal failure and effectiveness of haemodialysis [letter] Deray G, et al. **Lancet** 1987 Jul 25; 2(8552):216
Acute renal failure after peritoneal lavage with mercuric chloride. Lai KN, et al. **Med J Aust** 1983 Jan 8;1(1):37–8
Tetrachloroethylene: a cause of permanent kidney damage. Shafer N, et al. **Med Trial Tech Q** 1982 Spring;28(4):387–95
Suprofen–induced transient flank pain and renal failure [letter] Wolfe SM. **N Engl J Med** 1987 Apr 16; 316(16):1025–6
Multiple myeloma in naproxen–induced acute renal failure [letter] Wu MJ, et al. **N Engl J Med** 1987 Jul 16; 317(3):170–1
Effects of dietary protein on uranyl–nitrate–induced acute renal failure. Andrews PM, et al. **Nephron** 1987; 45(4):296–301
Reversible acute renal insufficiency with combination of enalapril and diuretics in a patient with a single renal–artery stenosis. Scanu P, et al. **Nephron** 1987;45(4):321–2
Mannitol–induced acute renal failure. Weaver A, et al. **Nephron** 1987;45(3):233–5
Indomethacin and ibuprofen–induced reversible acute renal failure in a patient with systemic lupus erythematosus. ter Borg EJ, et al. **Neth J Med** 1987 Apr;30(3–4):181–6
Reversible, nonoliguric acute renal failure in a patient with rheumatoid arthritis and renal amyloidosis (letter). Bar M, et al. **NY State J Med** 1986 Oct;86(10):542–3
The causal role of salt depletion in acute renal failure due to captopril in hypertensive patients with a single functioning kidney and renal artery stenosis. Andreucci VE, et al. **Ren Fail** 1987;10(1):9–20
Recurrent acute renal failure with interstitial nephritis due to D–penicillamine. Feehally J, et al. **Ren Fail** 1987; 10(1):55–7
Reversible renal failure and captopril therapy in renovascular hypertension [letter] Wiggelinkhuizen J. **S Afr Med J** 1987 Mar 7;71(5):332–3
Acute reversible renal failure following naproxen (naxyn) administration. Ezra E, et al. **Scand J Rheumatol** 1986; 15(4):401–2
Acute renal failure caused by polymyxin B containing ointment. Pedersen RS, et al. **Scand J Urol Nephrol** 1987; 21(2):153–4
Intravascular haemolysis and acute renal failure induced by nomifensine. Fulton JD, et al. **Scott Med J** 1986 Oct; 31(4):242–3
Cyclosporine–induced acute renal dysfunction in the rat. Evidence of arteriolar vasoconstriction with preservation of tubular function. English J, et al. **Transplantation** 1987 Jul;44(1):135–41
Renal morphology and function and urine electrolytes in experimental acute renal failure produced by cyclosporine and ischemia. Kone BC, et al. **Uremia Invest** 1985–86; 9(2):119–26
Uranyl nitrate induced polyuric acute tubular necrosis in rats. Lim IK, et al. **Yonsei Med J** 1987;28(1):38–48
[Pancytopenia caused by mianserin] Lim TT, et al. **Ned Tijdschr Geneeskd** 1987 Jul 4;131(27):1180–1 (Eng. Abstr.) **(Dut)**
[A patient with acute tubular necrosis as a consequence of drinking diethylene glycol–treated wine] van Leusen R, et al. **Ned Tijdschr Geneeskd** 1987 May 2;131(18):768–71 (Eng. Abstr.) **(Dut)**
[Cholestatic and cytolytic hepatitis and acute kidney failure caused by pirprofen (letter)] Bentata Pessayre M, et al. **Ann Med Interne (Paris)** 1986;137(5):445 **(Fre)**
[Predictability of post–captopril acute renal failure in hypertension with renal artery stenosis of a single kidney or bilateral stenosis] Durand D, et al. **Arch Mal Coeur** 1986 Jun;79(6):888–91 (Eng. Abstr.) **(Fre)**
[Hypertension and stenosis of the graft artery: effects of conversion enzyme inhibition] Mourad G, et al. **Arch Mal Coeur** 1986 Jun;79(6):892–5 (Eng. Abstr.) **(Fre)**
[Acute renal failure caused by enalapril. 3 cases (letter)] Scanu P, et al. **Presse Med** 1987 Jan 31;16(3):127 **(Fre)**
[Acute renal failure and nephrotic syndrome after a treatment with pirprofen (letter)] Eugène M, et al. **Rev Med Interne** 1987 Jan–Feb;8(1):115 **(Fre)**
[Renal function and non–steroidal anti–inflammatory drugs] Loew F, et al. **Schweiz Rundsch Med Prax** 1987 Jun 9; 76(24):685–6 **(Fre)**
[Nephrotoxicity of contrast media in the diabetic (apropos of 5 cases)] Mahjoub S, et al. **Tunis Med** 1986 Jun–Jul; 64(6–7):619–24 (Eng. Abstr.) **(Fre)**
[Acute reversible kidney insufficiency due to enalapril during diuretic–treated heart insufficiency] Degenhardt S. **Dtsch Med Wochenschr** 1987 Jun 12;112(24):960–3 (Eng. Abstr.) **(Ger)**
[Nomifensine–induced hemolysis with acute renal failure] Köber M, et al. **Med Klin** 1986 May 6;81(10):372–3 **(Ger)**
[Allopurinol–induced kidney failure with hepatitis and squamous dermatitis in pre–existing kidney insufficiency] Pewsner D, et al. **Schweiz Med Wochenschr** 1987 Jan 24; 117(4):139–41 (Eng. Abstr.) **(Ger)**
[Acute renal failure associated with cimetidine] Mader R, et al. **Harefuah** 1986 Dec 1;111(11):373–4 (Eng. Abstr.) **(Heb)**
[Dangers of intravenous use of peroral methadone solutions] Shilo L, et al. **Harefuah** 1986 Sep;111(5–6):126–7 (Eng. Abstr.) **(Heb)**
[Acute renal insufficiency caused by diflunisal. Description of a case] Dionisio P, et al. **Minerva Med** 1986 Sep 22; 77(36):1611–3 (Eng. Abstr.) **(Ita)**
[Hemolytic anemia and renal insufficiency caused by nomifensine. Description of a case] Oberhofer R, et al. **Minerva Med** 1986 Nov 10;77(42–43):2011–4 (Eng. Abstr.) **(Ita)**
[Microangiopathic hemolytic anemia (MAHA) and renal failure induced by anti–neoplastic agents—a case report] Sagawa M, et al. **Gan To Kagaku Ryoho** 1987 Aug; 14(8):2564–7 (Eng. Abstr.) **(Jpn)**
[Acute renal failure caused by mercury compounds in humans] Lao M. **Pol Arch Med Wewn** 1986 Mar;75(3):181–5 **(Pol)**
[Acute non–inflammatory renal failure after captopril treatment of a patient with renovascular hypertension] Janicka L, et al. **Pol Tyg Lek** 1987 May 4;42(18):557–8, 561 (Eng. Abstr.) **(Pol)**
[Renal failure in heroin addicts] Szepietowski T, et al. **Pol Tyg Lek** 1986 Sep 29;41(39):1235–8 (Eng. Abstr.) **(Pol)**
[Acute renal insufficiency caused by glaphenine. Presentation of a case and review of the literature] Cabral F, et al. **Acta Med Port** 1986 Sep–Dec;7(5–6):203–5 (Eng. Abstr.) **(Por)**
[Acute renal failure and acute toxic hepatitis after inhalation of a mixture of chlorinated solvents (letter)] Alonso Hernández A, et al. **Med Clin (Barc)** 1987 Jan 31; 88(4):169–70 **(Spa)**
[Ergotamine and acute renal insufficiency (letter)] Barquinero Máñez J, et al. **Med Clin (Barc)** 1987 Jan 17;88(2):80–1 **(Spa)**
[Renal failure caused by indomethacin in a patient with adrenal insufficiency (letter)] González López A, et al. **Med Clin (Barc)** 1987 May 23;88(20):827 **(Spa)**
[Acute renal insufficiency and nephrotoxic substances] Martínez Vea A. **Med Clin (Barc)** 1987 Jan 24;88(3):103–6 **(Spa)**
[Acute nephrotoxic renal insufficiency] Pinilla B, et al. **Med Clin (Barc)** 1987 Jan 24;88(3):85–9 (Eng. Abstr.) **(Spa)**
[Acute renal failure caused by indomethacin overdose in a premature infant with patent ductus arteriosus] Winter A, et al. **Rev Chil Pediatr** 1986 Sep–Oct;57(5):444–6 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Water, electrolyte and acid–base disturbances in acute renal failure. Conte G, et al. **Adv Exp Med Biol** 1987;212:57–61 (14 ref.)
Diarrheal illness complicated by acute renal failure. Norris SH. **Am J Nephrol** 1986;6(6):470, 489
Diffuse intrapulmonary hemorrhage and renal failure in adult Henoch–Schönlein purpura. Shichiri M, et al. **Am J Nephrol** 1987;7(2):140–2
Vecuronium infusions in patients with renal failure in an ITU. Smith CL, et al. **Anaesthesia** 1987 Apr;42(4):387–93
Hypertension in acute renal failure. Bonomini V, et al. **Contrib Nephrol** 1987;54:152–8
Renal failure in the course of reactivation of varicella–zoster virus infection in a renal transplant recipient. Bourbigot B, et al. **J Infect** 1986 Sep;13(2):159–62
Hearing loss in a uraemic patient: indications of involvement of the VIIIth nerve. Anteunis LJ, et al. **J Laryngol Otol** 1987 May;101(5):492–6
Rhabdomyolysis in a patient with a mandibular fracture. Hammon K, et al. **J Oral Maxillofac Surg** 1987 Jul; 45(7):627–30
Impaired renal acidification following acute renal ischemia in the dog. Winaver J, et al. **Kidney Int** 1986 Dec; 30(6):906–13
Pericardial friction rubs in hepatorenal failure [letter] Haskell LP, et al. **Lancet** 1987 Jan 3;1(8523):52
Surgery in the patient with acute or chronic renal failure [published erratum appears in Med Clin North Am 1987 Jul;71(4):preceding xi] Burke JF Jr, et al. **Med Clin North Am** 1987 May;71(3):489–97 (34 ref.)
Microangiopathic hemolytic anemia and postpartum acute renal failure. Stratta P, et al. **Nephron** 1986;44(3):253–5
A case of neuroleptic malignant syndrome with myoglobinuric acute renal failure treated with dialysis and levodopa. Lambrecht ER, et al. **Neth J Med** 1987 Feb; 30(1–2):80–4
[Acute renal failure and multiple–system organ failure] Shen PF, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Sep; 24(9):529–32, 573 (Eng. Abstr.) **(Chi)**
[Syndrome of alveolar hemorrhage associated with systemic cholesterol embolism] Hillion D, et al. **Ann Med Interne (Paris)** 1986;137(8):660–2 (Eng. Abstr.) **(Fre)**
[A case of polyarteritis nodosa with diffuse pulmonary hemorrhage and acute renal failure] Morisaki Y, et al. **Kokyu To Junkan** 1987 May;35(5):581–5 (Eng. Abstr.) **(Jpn)**
[Acute dissection of the aorta (De Bakey type I), associated with aortic insufficiency and acute renal insufficiency. Surgical treatment. Report of a case] Carvalho RG, et al. **Arq Bras Cardiol** 1986 Mar;46(3):199–204 (Eng. Abstr.) **(Por)**
[Bacterial endocarditis treated surgically in a patient with acute renal failure after septic abortion and transfusion of incompatible blood] Skachilova NN, et al. **Gematol Transfuziol** 1987 Jan;32(1):57–9 **(Rus)**

DIAGNOSIS

Value of enzyme determinations in urine for the diagnosis of nephrotoxicity in rats. Hofmeister R, et al. **Clin Chim Acta** 1986 Oct 31;160(2):163–7
Sweet's syndrome associated with acute renal failure. Unis ME, et al. **Cutis** 1987 Aug;40(2):139–42
Glomerulonephritis presenting as acute renal failure. Khanna UB, et al. **J Postgrad Med** 1987 Jan;33(1):24–8
Limited value of the fractional excretion of sodium test in the diagnosis of acute renal failure. Saha H, et al. **Nephrol Dial Transplant** 1987;2(2):79–82
Diagnosis of renal proximal tubular injury by urinary immunoassay for a proximal tubular antigen, the adenosine deaminase binding protein. Tolkoff–Rubin NE, et al. **Nephrol Dial Transplant** 1987;2(3):143–8
Urinary indices and chemistries in the differential diagnosis of prerenal failure and acute tubular necrosis. Pru C, et al. **Semin Nephrol** 1985 Sep;5(3):224–33
The parameters indicating acute renal failure in the elderly with normal serum creatinine values. Duraković Z, et al. **ZFA** 1987 May–Jun;42(3):179–82
The characteristics of acute renal failure in cardiogenic shock in the elderly. Duraković Z. **ZFA** 1986 Sep–Oct; 41(5):301–5
[Disorders of kidney function and acute kidney failure in newborn infants] Burghard R, et al. **Monatsschr Kinderheilkd** 1987 Jan;135(1):10–21 (Eng. Abstr.) **(Ger)**
[Renal function after open heart surgery—clinical evaluation of beta 2–microglobulin concentration in serum and urine] Hioki M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Jan;35(1):75–81 (Eng. Abstr.) **(Jpn)**
[Characteristics of acute renal failure in patients in cardiogenic shock] Duraković Z. **Acta Med Iugosl** 1986; 40(3):167–75 (Eng. Abstr.) **(Ser)**

DIET THERAPY

Nutrition in acute renal failure. Feinstein EI. **Adv Exp Med Biol** 1987;212:297–301 (28 ref.)

DRUG THERAPY

Protection from acute renal failure. Burnier M, et al. **Adv Exp Med Biol** 1987;212:275–83 (49 ref.)
Captopril vs. nifedipine [letter] Cases A, et al. **Clin Nephrol** 1987 May;27(5):269
Successful use of captopril in the treatment of "scleroderma renal crisis". Chapman PJ, et al. **Clin Nephrol** 1986 Aug; 26(2):106–8
Current concepts in clinical therapeutics: drug therapy in acute renal failure. Hyneck ML. **Clin Pharm** 1986 Nov; 5(11):892–910
Renal effects of 1,4–dihydropyridines in animal models of hypertension and renal failure. Garthoff B, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 1:S8–13
Toxic renal failure in the rat: beneficial effects of atrial natriuretic factor. Heidbreder E, et al. **Klin Wochenschr** 1986;64 Suppl 6:78–82
Protective effects of O–(beta–hydroxyethyl)–rutoside on cis–platinum–induced acute renal failure in the rat. Dobyan DC, et al. **Lab Invest** 1986 Nov;55(5):557–63
Norepinephrine–induced acute renal failure: beneficial effects of atrial natriuretic factor. Schafferhans K, et al. **Nephron** 1986;44(3):240–4
Effects of captopril on the intrarenal hemodynamics of postischemic acute renal failure in anesthetized dogs. Nishino A, et al. **Nippon Jinzo Gakkai Shi** 1987 Mar; 29(3):335–40
Successful treatment of scleroderma renal crisis with enalapril. Milsom SR, et al. **Postgrad Med J** 1986 Nov; 62(733):1059–60
[Effect of herbal enema mixture no. 1 on experimental acute renal failure] Deng WL. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr;6(4):225–8, 196 (Eng. Abstr.) **(Chi)**
[Treatment of tubulo–interstitial nephropathy and renal failure with traditional Chinese medicine and Western medicine under the guidance of the yin–yang balance theory and tubulo–glomerular feedback theory. Clinical analysis of 83 cases] Lu JJ. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr;6(4):201–4, 194 (Eng. Abstr.) **(Chi)**
[Amphotericin B and flucytosine therapy of Aspergillus pneumonia and acute renal failure] Staib F, et al. **Klin Wochenschr** 1987 Jan 5;65(1):40–7 (Eng. Abstr.) **(Ger)**
[Effect of the calcium antagonist diltiazem on acute kidney failure following kidney transplantation. Results of 2 prospective randomized studies] Wagner K, et al. **Med Klin** 1987 Mar 13;82(5):171–7 (Eng. Abstr.) **(Ger)**
[Effect of the intra–aortic administration of prostaglandin E2 on kidney functions in acute kidney failure of blood transfusion origin] Glants RM, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):412–4 (Eng. Abstr.)

(Rus)

ENZYMOLOGY

Serine and metallo proteinases in acute renal failure. Schaefer RM, et al. **Adv Exp Med Biol** 1987;212:75–80

Catalytic activities of alkaline phosphatase and N-acetyl-beta-D-glucosaminidase in human cortical nephron segments: heterogeneous changes in acute renal failure and acute rejection following kidney allotransplantation. Schmid H, et al. **J Clin Chem Clin Biochem** 1986 Dec;24(12):961–70

ETHNOLOGY

Nutrition in the management of renal failure in black children. Adebonojo FO. **Transplant Proc** 1987 Apr;19(2 Suppl 2):67–72

ETIOLOGY

Systemic complications of streptococcal scarlet fever: two case reports and a review of the literature. Robbens E, et al. **Acta Clin Belg** 1986;41(5):311–8

Unusual renal involvement during diabetic ketoacidosis (DKA) in a newly diagnosed type I diabetic child. Flores d'Arcais A, et al. **Acta Diabetol Lat** 1986 Oct–Dec; 23(4):369–72

Lack of casual relationship between medullary blood congestion and tubular necrosis in postischaemic kidney damage. Andersson G, et al. **Acta Physiol Scand** 1987 Jul; 130(3):429–32

Pathogenesis of acute renal failure. Burnier M, et al. **Adv Exp Med Biol** 1987;212:3–13 (52 ref.)

Acute impairment of renal function in systemic lupus erythematosus. Coratelli P, et al. **Adv Exp Med Biol** 1987; 212:225–31

Acute renal failure after septic shock. Coratelli P, et al. **Adv Exp Med Biol** 1987;212:233–43

Acute renal failure in leptospirosis—a 12-year survey. Drinovec J, et al. **Adv Exp Med Biol** 1987;212:265–71

Superoxide radicals (SR) in the pathophysiology of ischemic acute renal failure (ARF). Faedda R, et al. **Adv Exp Med Biol** 1987;212:69–74

Acute renal failure in pregnancy. Grünfeld JP, et al. **Adv Exp Med Biol** 1987;212:245–50 (16 ref.)

Post traumatic acute renal failure. Letteri JM. **Adv Exp Med Biol** 1987;212:211–8 (39 ref.)

Acute renal failure due to obstructive uropathy. Maschio G. **Adv Exp Med Biol** 1987;212:179–83

Myeloma and acute renal failure. Olmer M, et al. **Adv Exp Med Biol** 1987;212:219–23

Post-transplant acute renal failure. Touraine JL, et al. **Adv Exp Med Biol** 1987;212:205–10

Acute renal failure: a disease of the elderly? Rosenfeld JB, et al. **Adv Nephrol** 1987;16:159–67

Evaluation of renal transplant rejection by duplex Doppler examination: value of the resistive index. Rifkin MD, et al. **AJR** 1987 Apr;148(4):759–62

Acute renal failure due to high-grade obstruction following therapy with epsilon-aminocaproic acid. Pitts TO, et al. **Am J Kidney Dis** 1986 Dec;8(6):441–4

Suppurative bacterial pyelonephritis as a cause of acute renal failure. Thompson C, et al. **Am J Kidney Dis** 1986 Oct; 8(4):271–3

Primary renal lymphoma presenting as acute renal failure. Truong LD, et al. **Am J Kidney Dis** 1987 Jun;9(6):502–6

Hypercalcemia, renal failure, and death in a 42-year-old man [clinical conference] **Am J Med** 1986 Dec;81(6):1019–25

Renal failure and death in a 60-year-old man with lung cancer [clinical conference] **Am J Med** 1987 Feb; 82(2):257–63

Acute cryoglobulinemic renal failure after intravenous infusion of gamma globulin. Barton JC, et al. **Am J Med** 1987 Mar 23;82(3 Spec No):624–9

Use of charcoal hemoperfusion with sequential hemodialysis to reduce serum methotrexate levels in a patient with acute renal insufficiency. Molina R, et al. **Am J Med** 1987 Feb; 82(2):350–2

Postpartum renal failure in a patient with membranoproliferative glomerulonephritis type II. Leichter HE, et al. **Am J Nephrol** 1986;6(5):382–5

A new model to study acute and chronic renal failure. Nesbitt JC, et al. **Am Surg** 1986 Dec;52(12):651–3

Renal response to shock. Burke TJ, et al. **Ann Emerg Med** 1986 Dec;15(12):1397–400

Risk factors for the development of renal failure following the surgical treatment of traumatic aortic rupture. Sturm JT, et al. **Ann Thorac Surg** 1987 Apr;43(4):425–7

Acute renal failure following hyperthermic isolation perfusion of the left leg. Rauschecker HF, et al. **Anticancer Res** 1987 May-Jun;7(3 Pt B):451–3

Acute renal failure in cirrhosis associated with macroscopic hematuria of glomerular origin. Praga M, et al. **Arch Intern Med** 1987 Jan;147(1):173–4

Dextrose administration exacerbates acute renal ischemic damage in anesthetized dogs. Moursi M, et al. **Arch Surg** 1987 Jul;122(7):790–4

Hypercalcemia during resolution of acute renal failure associated with rhabdomyolysis: evidence for suppression of parathyroid hormone and calcitriol. Prince RL, et al. **Aust NZ J Med** 1986 Aug;16(4):506–8

Acute renal failure due to bacterial pyelonephritis. Woolley PD, et al. **Br J Urol** 1986 Dec;58(6):733

Thrombotic microangiopathy and acute renal failure associated with arteriography. Fairley S, et al. **Br Med J [Clin Res]** 1986 Oct 11;293(6552):922–3

Acute renal failure: diagnosis of cause needed within hours [editorial] Warren DJ. **Br Med J [Clin Res]** 1987 Jun 20; 294(6587):1569

Clinical diabetic nephropathy: natural history and complications. Grenfell A, et al. **Clin Endocrinol Metab** 1986 Nov;15(4):783–805 (75 ref.)

Prognostic factors and effectiveness of treatment in acute renal failure due to multiple myeloma: a review of 50 cases. Report of the Italien Renal Immunopathology Group. Pozzi C, et al. **Clin Nephrol** 1987 Jul;28(1):1–9

Acute reversible renal failure during macroscopic hematuria in IgA nephropathy without threatening glomerular involvement [letter] Pruna A, et al. **Clin Nephrol** 1987 Jun; 27(6):313

Hypermagnesemia and progression of renal failure [letter] Rodman JS. **Clin Nephrol** 1986 Dec;26(6):314

Postpartum acute renal failure in a twin pregnancy with retained IUD [letter] Stratta P, et al. **Clin Nephrol** 1986 Sep;26(3):162

Acute tubular necrosis secondary to rhabdomyolysis with complete absence of renal perfusion. Pham DH, et al. **Clin Nucl Med** 1987 Jun;12(6):445–7

Renal function in full-term newborns following neonatal asphyxia. A prospective study. Olavarría F, et al. **Clin Pediatr (Phila)** 1987 Jul;26(7):334–8

Acute renal failure in the neonate. Two fatal cases due to group B streptococci with rhabdomyolysis. Turner MC, et al. **Clin Pediatr (Phila)** 1987 Apr;26(4):189–90

Reduction of the risk of acute tubular necrosis in ciclosporin-treated patients. Triolo G, et al. **Contrib Nephrol** 1986;51:143–6

The etiology and management of acute renal failure. Burke JF Jr. **Del Med J** 1987 Apr;59(4):273–8

Postpartum acute renal failure in a drug addict. Stratta P, et al. **Drug Alcohol Depend** 1986 Jul;17(4):377–80

Hypercalcaemia-induced acute renal failure as a presenting feature of T-cell leukaemia. Lishner M, et al. **Eur J Pediatr** 1987 Jan;146(1):68–9

Anuria due to bilateral cystine urolithiasis in an infant. Martini A, et al. **Helv Paediatr Acta** 1987 Mar;41(6):545–7

Acute renal failure following traumatic injury or major operation. Davis RF. **Int Anesthesiol Clin** 1987 Spring; 25(1):117–42 (98 ref.)

Acute renal failure amongst children in a tropical environment. Chugh KS, et al. **Int J Artif Organs** 1987 Mar;10(2):97–101

Renal involvement in malaria. Chugh KS, et al. **Int J Artif Organs** 1986 Nov;9(6):391–2

Acute renal failure in fulminating beriberi [letter] Stratta P, et al. **Int J Artif Organs** 1986 Nov;9(6):443–4

Acute renal failure due to atraumatic rhabdomyolysis in coma diabeticum. Zobel G, et al. **Int J Pediatr Nephrol** 1986 Oct-Dec;7(4):239–42

IgA nephropathy and acute reversible renal failure. Friedlaender MM, et al. **Isr J Med Sci** 1986 Dec; 22(12):888–91

Snake bite and renal failure [letter] Muthusethupathi MA, et al. **J Assoc Physicians India** 1986 Oct;34(10):751–2

Malarial acute renal failure [letter] Singh RB. **J Assoc Physicians India** 1986 Aug;34(8):605–8

Rhabdomyolysis and acute renal failure [letter] Glickman L. **J Clin Psychiatry** 1987 Jul;48(7):299–300

Renal failure in nephrotic syndrome. Phanichphant S, et al. **J Med Assoc Thai** 1986 Oct;69(10):556–63

Urological manifestations of isolated iliac artery aneurysms. Marino R, et al. **J Urol** 1987 Feb;137(2):232–4

Unusual urological presentations of acquired immune deficiency syndrome: large cell lymphoma. Mohler JL, et al. **J Urol** 1987 Sep;138(3):627–9

Acute renal failure in a solitary kidney due to bacterial pyelonephritis. Weinstein T, et al. **J Urol** 1986 Dec; 136(6):1290–1

Dietary protein prior to renal ischemia dramatically affects postischemic kidney function. Andrews PM, et al. **Kidney Int** 1986 Sep;30(3):299–303

Roles for thromboxane A2 and leukotrienes in endotoxin-induced acute renal failure. Badr KF, et al. **Kidney Int** 1986 Oct;30(4):474–80

Angiotensin converting enzyme inhibition and acute tubular necrosis. Burke TJ, et al. **Kidney Int [Suppl]** 1987 May; 20:S143–7 (39 ref.)

Acute renal failure after topical application of carbon tetrachloride [letter] Javier Perez A, et al. **Lancet** 1987 Feb 28;1(8531):515–6

16 cases of acute renal failure due to leptospirosis. Tan DS, et al. **Med J Malaysia** 1986 Jun;41(2):152–5

Multiple myeloma and severe renal failure: a clinicopathologic study of outcome and prognosis in 34 patients. Rota S, et al. **Medicine (Baltimore)** 1987 Mar; 66(2):126–37

Parathyroid adenoma causing persistent hypercalcaemia after rhabdomyolysis-induced acute renal failure. Goldman M, et al. **Nephrol Dial Transplant** 1986;1(1):50–2

Nonsteroidal anti-inflammatory drugs as risk factor for renal failure from acute uric acid nephropathy. Albertazzi A, et al. **Nephron** 1987;46(1):98

Acute renal failure following colorectal surgery [letter] Baldrati L, et al. **Nephron** 1987;47(1):73

Acute renal failure due to (+)-cyanidanol-3-induced hemolytic anemia [letter] Imbasciati E, et al. **Nephron** 1987; 46(3):323

Reversible renal failure in malignant hypertension [letter] Moosa MR, et al. **Nephron** 1986;44(2):159–60

Is thromboxane a potent antinatriuretic factor and is it involved in the development of acute renal failure? Papanicolaou N, et al. **Nephron** 1987;45(4):277–82

Renal failure in melioidosis. Susaengrat W, et al. **Nephron** 1987;46(2):167–9

Acute renal failure in McArdle's disease. Tabata T, et al. **Nephron** 1986;44(4):371–4

Hemoglobinemia and renal failure from an intracerebral hematoma simulating a vein of Galen aneurysm. Chovanes GI, et al. **Neurosurgery** 1987 Jul;21(1):107–9

Obstructive nephropathy in urologic tumors—clinical study of 616 urologic tumors. Yazaki T, et al. **Nippon Jinzo Gakkai Shi** 1987 Mar;29(3):363–6

Pathogenesis and treatment of acute renal failure. Gaudio KM, et al. **Pediatr Clin North Am** 1987 Jun;34(3):771–87 (43 ref.)

Acute renal failure. Managing a devastating illness. Spiegel DM, et al. **Postgrad Med** 1987 Sep 15;82(4):96–105

Nontraumatic rhabdomyolysis and acute renal failure. Forwell MA, et al. **Scott Med J** 1986 Oct;31(4):246–9

Acute renal failure, hemolytic anemia, and thrombocytopenia in poststreptococcal glomerulonephritis. Medani CR, et al. **South Med J** 1987 Mar;80(3):370–3

The impact of multiple organ retrieval on renal allograft function: experience of a Canadian center. Chin JL, et al. **Transplant Proc** 1987 Aug;19(4):3435–6

Prediction of risk factors in acute tubular necrosis following cadaver kidney transplantation. Garnier JL, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2068–70

Renal failure and mortality after nephrectomy for severe trauma in multiply-injured patient: no inordinate risk. Cass AS, et al. **Urology** 1987 Sep;30(3):213–5

Acute renal failure due to multiple stings by Africanised bees. Report of the first case in Trinidad. Patrick A, et al. **West Indian Med J** 1987 Mar;36(1):43–4

[Rhabdomyolysis with acute renal failure after a grand mal seizure] Rasmussen KT, et al. **Ugeskr Laeger** 1987 Mar 30;149(14):917 (Eng. Abstr.) **(Dan)**

[Acute anuric renal failure caused by granulomatous interstitial infiltration disclosing sarcoidosis (letter)] Tanneau R, et al. **Ann Med Interne (Paris)** 1987;138(2):147 **(Fre)**

[Renal failure caused by rhabdomyolysis secondary to dog bites and scratches in an infant victim of negligence] Guillois B, et al. **Ann Pediatr (Paris)** 1987 Apr;34(4):337–8 (Eng. Abstr.) **(Fre)**

[Latent systemic periarteritis nodosa of predominantly renal and cerebral expression. Apropos of an anatomical case] Boisnic S, et al. **Arch Anat Cytol Pathol** 1986;34(2):103–10 **(Fre)**

[Transient acute renal insufficiency in the hematuric period in Berger's disease] Monfort-Gouraud M, et al. **Arch Fr Pediatr** 1987 Feb;44(2):147 **(Fre)**

[Stenosis of the renal artery as a cause of acute renal insufficiency after transplantation] Sabbaga E, et al. **J Urol (Paris)** 1986;92(8):553–7 (Eng. Abstr.) **(Fre)**

[Acute renal failure after prostatic adenomectomy. Role of cerclage of the bladder neck (letter)] Charton M, et al. **Presse Med** 1986 Jul 5–12;15(27):1286–7 **(Fre)**

[Kidney failure due to amyloidosis AA disclosing a bronchial epidermoid carcinoma [letter]] Hillion D, et al. **Presse Med** 1986 Nov 15;15(40):2021–2 **(Fre)**

[Acute renal failure in the 80's. Change in a disease picture] Schuster HP. **Med Klin** 1986 Apr 1;81(7):261–3 **(Ger)**

[Churg-Strauss vasculitis. A clinical case] Carraro M. **G Clin Med** 1986 Dec;67(5–6):303–5 **(Ita)**

[An unusual case of acute postoperative monolateral renal insufficiency] Azzolini A, et al. **Minerva Urol Nefrol** 1986 Jul-Sep;38(3):347–50 (Eng. Abstr.) **(Ita)**

[Acute renal failure caused by urticaria during a course of pulse therapy in a case of RA] Inokuma S, et al. **Arerugi** 1986 Jul;35(7):461–6 (Eng. Abstr.) **(Jpn)**

[Abdominal Burkitt's lymphoma developing the tumor lysis syndrome following chemotherapy] Okabe K, et al. **Gan No Rinsho** 1986 Oct;32(12):1599–603 (Eng. Abstr.) **(Jpn)**

[Renal and respiratory failure after bilateral thoracotomy] Hagiya M, et al. **Masui** 1987 Apr;36(4):618–21 (Eng. Abstr.) **(Jpn)**

[Overheated blood transfusion causes a hemolytic reaction and renal failure] Tsuda M, et al. **Masui** 1986 Aug; 35(8):1275–8 (Eng. Abstr.) **(Jpn)**

[A case of acute renal failure caused by alcohol-induced rhabdomyolysis associated with severe abnormalities in calcium metabolism and type I renal tubular acidosis] Tsubakihara Y, et al. **Nippon Jinzo Gakkai Shi** 1986 Nov; 28(11):1523–30 (Eng. Abstr.) **(Jpn)**

[A case of focal, segmental membranoproliferative glomerulonephritis with acute renal failure subsided without aggressive treatment] Yoshida Y, et al. **Nippon Jinzo Gakkai Shi** 1987 Jan;29(1):105–13 (Eng. Abstr.) **(Jpn)**

[An autopsy case of acute renal and respiratory failure following wasp stings] Ohashi H, et al. **Nippon Naika Gakkai Zasshi** 1987 Mar;76(3):398–403 **(Jpn)**

[Rhabdomyolysis. Electrolyte imbalance and renal failure] Fadnes HO, et al. **Tidsskr Nor Laegeforen** 1987 Mar 10;

107(7):647–8 (Eng. Abstr.) (Nor)
[Non-traumatic rhabdomyolysis and acute renal failure] Kanneglonning KS, et al. **Tidsskr Nor Laegeforen** 1987 Mar 10;107(7):649–51 (Eng. Abstr.) (Nor)
[Extrarenal kidney failure and cerebrospinal meningitis caused by Candida albicans infection] Gura C, et al. **Pediatr Pol** 1986 Dec;61(12):818–20 (Pol)
[Acute kidney failure secondary to ophidian bothropic and crotalid accidents. Analysis of 63 cases] Amaral CF, et al. **Rev Inst Med Trop Sao Paulo** 1986 Jul–Aug;28(4):220–7 (Eng. Abstr.) (Por)
[Acute hepatorenal failure in external intestinal fistula] Arbuliev MG, et al. **Klin Khir** 1987;(2):8–10 (Eng. Abstr.) (Rus)
[Postural compression syndrome complicated by acute kidney failure] Kozyr' VI, et al. **Klin Med (Mosk)** 1986 Oct;64(10):118–20 (Rus)
[Acute kidney failure: pathogenesis, diagnosis and treatment] Ermolenko VM. **Ter Arkh** 1986;58(8):135–9 (Rus)
[Ultrasonography in the differentiation of renal insufficiency] Antalik J, et al. **Cesk Radiol** 1986 Aug;40(4):265–74 (Eng. Abstr.) (Slo)
[Acute neonatal renal insufficiency associated with myoglobinuria] Hernández de la Torre M, et al. **An Esp Pediatr** 1986 Nov;25(5):389–90 (Spa)
[Renal involvement in Mediterranean boutonneuse fever (letter)] Galicia MA, et al. **Med Clin (Barc)** 1987 May 23; 88(20):830 (Spa)
[Acute renal insufficiency during an episode of macroscopic hematuria in IgA glomerulonephritis] Lumbreras Bermejo C, et al. **Med Clin (Barc)** 1987 Feb 7;88(5):195–7 (Eng. Abstr.) (Spa)
[Acute renal failure caused by obstruction of the renal arteries. Apropos of 2 cases] Bonet J, et al. **Rev Clin Esp** 1986 Dec;179(9):451–3 (Eng. Abstr.) (Spa)
[Acute renal failure in viscerocutaneous loxoscelism: 11 cases] González C, et al. **Rev Med Chil** 1986 Dec;114(12):1155–9 (Eng. Abstr.) (Spa)

IMMUNOLOGY

Hydroxyl radical mediation of immune renal injury by desferrioxamine. Boyce NW, et al. **Kidney Int** 1986 Dec; 30(6):813–7

METABOLISM

Glucose metabolism in acute renal failure. Giordano C, et al. **Adv Exp Med Biol** 1987;212:105–11
Intracellular acid–base and energy metabolism in oliguric acute renal failure (OARF). Guariglia A, et al. **Adv Exp Med Biol** 1987;212:87–92
Catabolism in acute renal failure: importance of glucocorticoids and lysosomal enzymes. Heidland A, et al. **Adv Exp Med Biol** 1987;212:41–55 (61 ref.)
Plasma and skeletal muscle free amino acids in acute renal failure. Novarini A, et al. **Adv Exp Med Biol** 1987;212:93–8
Life–threatening metabolic acidosis from cholestyramine in an infant with renal insufficiency [letter] Pattison M, et al. **Am J Dis Child** 1987 May;141(5):479–80
5–Fluorocytosine kinetics in patients with acute renal failure undergoing continuous hemofiltration. Ittel TH, et al. **Chemotherapy** 1987;33(2):77–84
Trimethoprim pharmacokinetics in children with renal insufficiency. Hoppu K, et al. **Clin Pharmacol Ther** 1987 Aug;42(2):181–6
Biochemistry of hospital nutrition. Special cases. Fellows IW. **Contemp Issues Clin Biochem** 1986;4:159–76 (70 ref.)
Hormonal and metabolic derangements in renal failure. **Contrib Nephrol** 1986;50:1–216
The influence of haemodialysis and haemofiltration on the clearance of torasemide in renal failure. Loute G, et al. **Eur J Clin Pharmacol** 1986;31 Suppl:53–5
Pharmacokinetics and biliary excretion of rose bengal in rats with acute and chronic renal failure. Silberstein DJ, et al. **J Pharm Pharmacol** 1987 May;39(5):395–8
Effect of acute renal failure on the disposition and elimination of [3H]N–acetyl procainamide ethobromide in the rat. Silberstein DJ, et al. **J Pharm Pharmacol** 1986 Sep; 38(9):679–85
Preclinical modeling of changes in drug kinetics caused by acute renal failure in rats. Morávek J, et al. **J Pharmacokinet Biopharm** 1987 Feb;15(1):15–23
Partial deficit of hypoxanthine guanine phosphoribosyl transferase presenting as acute renal failure. Andrés A, et al. **Nephron** 1987;46(2):179–81
Proton magnetic resonance in experimental acute and chronic renal failure in rats. Abrashkin S, et al. **Ren Fail** 1987; 10(1):21–7
[Spontaneous toxicokinetics of lithium poisoning in renal insufficiency with diuresis maintained] Bismuth C, et al. **J Toxicol Clin Exp** 1986 May–Jun;6(3):189–94 (Eng. Abstr.) (Fre)

MICROBIOLOGY

[Severe pneumopathy and acute renal insufficiency disclosing Chlamydia psittaci infection: resistance to the treatment with erythromycin] Garo B, et al. **Ann Med Interne (Paris)** 1987;138(4):296–7 (Eng. Abstr.) (Fre)

MORTALITY

Medical renal disease in South Indian infants. Unni JC, et al. **Acta Paediatr Scand** 1986 Nov;75(6):1030–1
Survival of patients with acute renal failure requiring dialysis after open heart surgery: early prognostic indicators. Lange HW, et al. **Am Heart J** 1987 May;113(5):1138–43
Prediction of outcome in acute renal failure. Corwin HL, et al. **Am J Nephrol** 1987;7(1):8–12
Acute renal failure: experience from Benin City. Ojogwu LI. **East Afr Med J** 1987 Jan;64(1):82–7
High risk acute renal failure. Wheeler DC, et al. **Q J Med** 1986 Oct;61(234):977–84

OCCURRENCE

Acute hantavirus nephropathy in Belgium: preliminary results of a sero–epidemiological study. Clement J, et al. **Adv Exp Med Biol** 1987;212:251–63
Acute renal failure in pregnancy: 1987. Grünfeld JP, et al. **Am J Kidney Dis** 1987 Apr;9(4):359–62 (11 ref.)
Risk factors and outcome of hospital–acquired acute renal failure. Clinical epidemiologic study. Shusterman N, et al. **Am J Med** 1987 Jul;83(1):65–71
Renal failure in children of tropical West Africa. Reindorf CA. **Transplant Proc** 1987 Apr;19(2 Suppl 2):101–4

PATHOLOGY

Long term clinical and morphological evaluation of acute renal failure. Bonomini V, et al. **Adv Exp Med Biol** 1987; 212:27–33
The role of renal biopsy in acute renal failure. D'Amico G, et al. **Adv Exp Med Biol** 1987;212:35–9
Structural–functional correlates in acute renal failure. Eknoyan G, et al. **Adv Exp Med Biol** 1987;212:15–25 (31 ref.)
Histopathologic evaluation of lupus patients with transient renal failure. Henry R, et al. **Am J Kidney Dis** 1986 Dec; 8(6):417–21
Nephrotic syndrome due to glomerulonephritis and acute renal failure due to hypovolemic shock [clinical conference] **Am J Nephrol** 1986;6(5):403–12
Proteinuria, hypertension and renal failure in a patient with unilateral renal agenesis [clinical conference] Maschio G, et al. **Am J Nephrol** 1987;7(3):243–9
Acute renal failure in man: pathogenesis in light of new morphological data. Olsen S, et al. **Clin Nephrol** 1987 Jun; 27(6):271–7
Cardiovascular lesions in experimental acute and chronic renal failure in the rat. Rhodes GC, et al. **Exp Pathol** 1987; 31(4):221–9
Renal lesions following viper bites—a study of 14 years. Mittal BV, et al. **Indian J Med Res** 1986 Jun;83:642–51
Hemodynamically mediated glomerular injury and the progressive nature of kidney disease [clinical conference] Brenner BM. **Kidney Int** 1983 Apr;23(4):647–55
Rupture of allograft kidney: a salvageable condition. Sher L, et al. **Mt Sinai J Med (NY)** 1986 Sep;53(7):526–9
Acquired resistance to acute renal failure in ischemic and uranium–induced renal failure of rabbits. Yonemura K. **Nippon Jinzo Gakkai Shi** 1986 Sep;28(9):1221–7
[Forensic pathological studies on autopsy of a patient who died after ingesting the liquid fertilizer Hyponex] Saito K, et al. **Nippon Hoigaku Zasshi** 1986 Aug;40(4):393–7 (Eng. Abstr.) (Jpn)
[Electron microscopic and radioautographic study of DNA synthesis in kidney tubule epithelial cells in white rats with sublimate–induced necronephrosis] Andreev VP, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):241–4 (Eng. Abstr.) (Rus)
[Morphologic changes in the kidneys in acute kidney failure due to acute pancreatitis] Krylov AA, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):489–91 (Eng. Abstr.) (Rus)
[Fine needle aspiration puncture and renal puncture biopsy as complementary methods in the monitoring of renal transplantation] Rodríguez SG, et al. **Medicina (B Aires)** 1985;45(4):455–60 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Low fractional excretion of sodium in acute renal failure: role of timing of the test and ischemia. Brosius FC, et al. **Am J Nephrol** 1986;6(6):450–7
Renal failure in dogs with experimental acute pancreatitis: role of hypovolemia. Levy M, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):F969–77
Glomerular angiotensin II receptor modulation in glycerol–induced acute renal failure. Wilkes BM, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F109–14
Escherichia coli endotoxin injections potentiate experimental ischemic renal injury. Zager RA. **Am J Physiol** 1986 Dec; 251(6 Pt 2):F988–94
Minimum performance standards for double–lumen subclavian cannulas for hemodialysis. Bregman H, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):500–2
Theophylline–induced protection in myoglobinuric acute renal failure: further characterization. Bidani AK, et al. **Can J Physiol Pharmacol** 1987 Jan;65(1):42–5
PVP–sieving curves as an estimate of glomerular hemodynamics in HgCl2 acute renal failure in the dog. Vanholder RC, et al. **Circ Res** 1987 Sep;61(3):311–7
Pathophysiology of acute renal failure following living Escherichia coli injection in rats: high–energy metabolism and renal functions. Shimahara Y, et al. **Circ Shock** 1987; 21(3):197–205
Gonadal function in patients with acute and chronic renal failure. Kokot F, et al. **Contrib Nephrol** 1986;50:130–8
Effect of nitrendipine in a rat model of ischemic acute renal failure. Rose H, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 1:S57–9
Acute tubular necrosis: use of gadolinium–DTPA and fast MR imaging to evaluate renal function in the rabbit. Carvlin MJ, et al. **J Comput Assist Tomogr** 1987 May–Jun; 11(3):488–95
Free–radical–mediated postischemic reperfusion injury in the kidney. Ratych RE, et al. **J Free Radic Biol Med** 1986; 2(5–6):311–9 (34 ref.)
Acquired resistance to acute renal failure. Honda N, et al. **Kidney Int** 1987 Jun;31(6):1233–8 (61 ref.)
Loss of glomerular responses to vasoconstrictor agents in rabbits recovering from ARF. Ikuma K, et al. **Kidney Int** 1986 Dec;30(6):836–41
Effect of hemorrhagic reduction in blood pressure on recovery from acute renal failure. Kelleher SP, et al. **Kidney Int** 1987 Mar;31(3):725–30
Acute renal failure in hemorrhagic hypotension: cellular energetics and renal function. Ratcliffe PJ, et al. **Kidney Int** 1986 Sep;30(3):355–60
Acute renal failure associated with elevated plasma oncotic pressure. Moran M, et al. N **Engl J Med** 1987 Jul 16; 317(3):150–3
Acute renal failure—a continuing enigma. Linton AL, et al. **Ren Fail** 1987;10(1):3–7 (44 ref.)
Early renal pathophysiology in an acute model of cyclosporine nephrotoxicity in rats. Racusen LC, et al. **Ren Fail** 1987;10(1):29–37
[Systemic hemodynamics and intrarenal blood flow distribution in glycerol–induced acute renal failure in the rats] Sakamoto W. **Nippon Jinzo Gakkai Shi** 1986 Jun; 28(6):763–75 (Eng. Abstr.) (Jpn)

PREVENTION & CONTROL

Prevention of ischaemic acute renal failure with superoxide dismutase and sucrose. Bayati A, et al. **Acta Physiol Scand** 1987 Jul;130(3):367–72
The prevention of renal impairment in patients undergoing orthotopic liver grafting by infusion of low dose dopamine. Polson RJ, et al. **Anaesthesia** 1987 Jan;42(1):15–9
Vasodilator prostaglandins (PG) prevent renal damage after ischemia. Kaufman RP Jr, et al. **Ann Surg** 1987 Feb; 205(2):195–8
Use of a novel thromboxane synthetase inhibitor in burns [letter] Backon J. **Burns Incl Therm Inj** 1987 Jun;13(3):252
Results of open heart surgery in patients with impaired renal function as creatinine clearance below 30 ml/min. The effects of pulsatile perfusion. Matsuda H, et al. **J Cardiovasc Surg (Torino)** 1986 Sep–Oct;27(5):595–9
In vitro and in vivo protective effect of atriopeptin III on ischemic acute renal failure. Nakamoto M, et al. **J Clin Invest** 1987 Sep;80(3):698–705
Antithymocyte gamma globulin, low–dosage cyclosporine, and tapering steroids as an immunosuppressive regimen to avoid early kidney failure in heart transplantation. Deeb GM, et al. **J Heart Transplant** 1987 Mar–Apr;6(2):79–83
Naloxone in renal ischemia: a functional and microanatomical study. Elkadi HK, et al. **J Surg Res** 1987 Jun;42(6):675–92
Human atrial natriuretic factor prevents against norepinephrine–induced acute renal failure in the rat. Schafferhans K, et al. **Klin Wochenschr** 1986;64 Suppl 6:73–7
Influence of the calcium antagonist diltiazem on delayed graft function in cadaveric kidney transplantation: results of a 6–month follow–up. Wagner K, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1353–7
The effect of verapamil in reducing the severity of acute tubular necrosis in canine renal autotransplants. Agatstein EH, et al. **Transplantation** 1987 Sep;44(3):355–7
Preserving renal function in surgical patients. Whiteside–Yim C, et al. **West J Med** 1987 Mar;146(3):316–21
[Experimental studies of the nephroprotective effect of fosfomycin] Kreft B, et al. **Wien Med Wochenschr** 1987 Feb 28;137(4):83–8 (Eng. Abstr.) (Ger)
[Experimental study of the prevention of renal dysfunction following open heart surgery; application of the plasmapheresis technic] Niino S. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Jan;35(1):26–34 (Eng. Abstr.) (Jpn)
[Means for decreasing the incidence of postoperative tubular necrosis in kidney transplants] Rozental' RL, et al. **Vestn Khir** 1987 Apr;138(4):33–6 (Eng. Abstr.) (Rus)
[Infusion of dopamine and furosemide in the prevention of acute renal failure] Razukas VA, et al. **Vrach Delo** 1987 Jun;(6):15–6 (Rus)

RADIOGRAPHY

Rhabdomyolysis and renal failure in child abuse. Mukherji SK, et al. **AJR** 1987 Jun;148(6):1203–4
An explanation of renal hemodynamics in acute renal failure based on sequential CT in patients with Korean hemorrhagic fever. Lim TH, et al. **J Comput Assist Tomogr** 1987 May–Jun;11(3):474–9
Urography in children with renal failure using different

contrast media. Sarperi M, et al. **Rays** 1985 Jan-Apr; 10(1):23-30

Diagnostic role of intravenous urography in acute and chronic renal failure. Keeton GR, et al. **Urol Radiol** 1986; 8(2):72-6

RADIONUCLIDE IMAGING

Increased patchy renal accumulation of 99mTc-methylene diphosphonate in a patient with severe loin pain after exercise. Ishikawa I, et al. **Nephron** 1987;47(1):29-31

SURGERY

Aome parable. Cohen LJ. **Am J Nurs** 1987 Aug; 87(8):1043

[Surgical methods of treating acute endo- and exotoxicoses] Stoianova M, et al. **Khirurgiia (Sofiia)** 1986;39(6):57-63 (30 ref.) **(Bul)**

THERAPY

Bag-filter hemodiafiltration (BF-HDF): simple and effective treatment of acute renal failure. Bazzato G, et al. **Adv Exp Med Biol** 1987;212:303-8

Dialytic therapy of acute renal failure. Valek A. **Adv Exp Med Biol** 1987;212:309-17

Management of myeloma kidney: an anti-light-chain approach. Misiani R, et al. **Am J Kidney Dis** 1987 Jul; 10(1):28-33

Extended hemofiltration in a neonate: a case report and a review of the literature. Giusti RJ, et al. **Am J Perinatol** 1987 Jul;4(3):198-202

Continuous arteriovenous hemofiltration for the treatment of anasarca and acute renal failure in severely burned patients. Hubsher J, et al. **ASAIO Trans** 1986 Jul-Sep; 32(1):401-4

Continuous renal replacement therapy in patients with acute renal dysfunction undergoing intraaortic balloon pump and/or left ventricular device support. Paganini EP, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):414-7

Comparison of continuous arteriovenous hemofiltration and continuous arteriovenous dialysis in critically ill patients. Raja R, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):435-6

Arteriovenous hemodiafiltration associated with continuous arteriovenous hemofiltration: a combined therapy for acute renal failure in the hypercatabolic patient. Ronco C, et al. **Blood Purif** 1987;5(1):33-40

Access for acute haemodialysis: a unique, pulse preserving shunt. Ross AH, et al. **Br J Surg** 1987 Apr;74(4):251

Methylprednisolone reduces dialysis-induced degranulation of specific granules of polymorphonuclear leukocytes in patients with acute renal failure [letter] Catalano C, et al. **Clin Nephrol** 1987 Jul;28(1):48

Early experience with continuous arteriovenous hemofiltration in critically ill pediatric patients. Leone MR, et al. **Crit Care Med** 1986 Dec;14(12):1058-63

Continuous arteriovenous hemofiltration in critically ill children with acute renal failure. Zobel G, et al. **Crit Care Med** 1987 Jul;15(7):699-700

The use of peritoneal dialysis as a means of supplying nutrients. Cavallé Obiols F, et al. **Infusionsther Klin Ernahr** 1987 Feb;14 Suppl 1:46-51

Continuous arterio-venous ultrafiltration in the management of the renal complications of liver disease [editorial] Epstein M, et al. **Int J Artif Organs** 1986 Jul;9(4):217-8

Prophylactic aluminium hydroxide and hyperaluminaemia in intensive care. Mackway-Jones K, et al. **Intensive Care Med** 1987;13(4):293-4

Acute renal failure. II. Management of suspected and established disease. Fildes RD, et al. **J Pediatr** 1986 Oct; 109(4):567-71

Acute peritoneal dialysis in infants weighing less than 1500 g. Steele BT, et al. **J Pediatr** 1987 Jan;110(1):126-9

Experience with renal failure during extracorporeal membrane oxygenation: treatment with continuous hemofiltration. Sell LL, et al. **J Pediatr Surg** 1987 Jul; 22(7):600-2

Haemofiltration in management of patients with acute renal failure complicated by raised intracranial pressure [letter] Davenport A, et al. **Lancet** 1987 Jan 24;1(8526):216

Treatment of acute renal failure, symmetrical peripheral gangrene, and septicaemia with plasma exchange and epoprostenol [letter] Leaker B, et al. **Lancet** 1987 Jan 17; 1(8525):156

Pathogenesis and treatment of acute renal failure. Gaudio KM, et al. **Pediatr Clin North Am** 1987 Jun;34(3):771-87 (43 ref.)

Continuous renal prosthetic therapy in acute renal failure: an overview. Paganini EP. **Pediatr Clin North Am** 1987 Feb;34(1):165-85

Continuous arterio-venous hemofiltration for the treatment of acute renal failure in septic shock. Reichow W, et al. **Prog Clin Biol Res** 1987;236B:235-40

Continuous pump driven hemofiltration (CPDHF) in septic renal failure. Sporn P, et al. **Prog Clin Biol Res** 1987; 236B:225-33

Conservative management of surgical acute renal failure due to schistosomiasis. A case report. Strang JI. **S Afr Med J** 1987 Jan 10;71(1):55-6

Continuous arteriovenous filtration: an effective treatment for surgical acute renal failure. Mault JR, et al. **Surgery** 1987 Apr;101(4):478-84

A case of acute renal failure associated with type A acute hepatitis responds dramatically to plasmapheresis. Watanabe S, et al. **Tokai J Exp Clin Med** 1986 Mar; 11(1):1-4

Intermittent peritoneal dialysis. Review of three years' experience. Jeyarajah R, et al. **Trop Doct** 1986 Jan; 16(1):13-7

Management of renal failure in Yaounde. First 18 months' experience. Youmbissi TJ, et al. **Trop Doct** 1987 Jan; 17(1):9-11

[Diagnosis and treatment of acute renal failure] Chen MF. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Jan;7(1):45-7 **(Chi)**

[Comparative study of the therapeutic effects of herbal enema mixture no. 1 and hemodialysis on acute kidney failure] Zhai FM. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr; 6(4):198-200 **(Chi)**

[Can dialysis therapy of acute renal failure be optimized?] Válek A, et al. **Cas Lek Cesk** 1986 Aug 22;125(34):1049-52 (Eng. Abstr.) **(Cze)**

[Continuous arteriovenous hemofiltration, a welcome therapeutic addition?] Strack van Schijndel RJ, et al. **Ned Tijdschr Geneeskd** 1987 Feb 7;131(6):236-8 (Eng. Abstr.) **(Dut)**

[When should continuous hemofiltration be started in intensive care? (letter)] Chazot C, et al. **Presse Med** 1987 May 30;16(20):1005-6 **(Fre)**

[Correction of severe metabolic alkalosis with extrarenal-induced renal failure by treatment with hemodialysis] Wesslau C, et al. **Anaesthesiol Reanim** 1986; 11(4):235-40 (Eng. Abstr.) **(Ger)**

[Amino acid administration in acute, compensated renal failure in the post-traumatic phase] Bock E. **Infusionsther Klin Ernahr** 1986 Dec;13(6):254-60 (Eng. Abstr.) **(Ger)**

[Acute kidney failure requiring dialysis in Legionella pneumonia] Ruf B, et al. **Internist (Berlin)** 1987 Jun; 28(6):410-3 **(Ger)**

[Continuous arteriovenous hemofiltration in childhood. Indications and technics] Zobel G, et al. **Monatsschr Kinderheilkd** 1987 Mar;135(3):143-7 (Eng. Abstr.) **(Ger)**

[Successful treatment of acute renal failure following the Mustard operation with a new device for continuous peritoneal dialysis] Hioki M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Apr;35(4):519-23 (Eng. Abstr.) **(Jpn)**

[Plasma exchange in the therapy of multiple myeloma--removal of a plasma light chain (Bence Jones protein) and improvement of kidney failure] Tsuji K, et al. **Rinsho Ketsueki** 1986 Jul;27(7):1226-9 **(Jpn)**

[Acute renal insufficiency in pregnancy and the postpartum period] Nicolcioiu M, et al. **Rev Med Interna [Med Interna]** 1987 Mar-Apr;39(2):171-8 (Eng. Abstr.) **(Rum)**

[Treatment principles and methods in acute liver and kidney failure] Shimanko II, et al. **Anesteziol Reanimatol** 1986 Sep-Oct;(5):10-4 (Eng. Abstr.) **(Rus)**

[Experience with the treatment of subrenal anuria] Bondarenko NI, et al. **Klin Khir** 1986;(12):25-6 (Eng. Abstr.) **(Rus)**

[Plasmapheresis in the treatment of patients with renal failure] Mikhallov AA, et al. **Klin Med (Mosk)** 1987 Jan; 65(1):117-21 (Eng. Abstr.) **(Rus)**

[Hemodialysis with acetate in acute renal failure. Hemodynamic changes] Landín Limeses L, et al. **Med Clin (Barc)** 1987 Apr 26;88(16):621-4 (Eng. Abstr.) **(Spa)**

VETERINARY

Acute renal failure in six horses resulting from haemodynamic causes. Divers TJ, et al. **Equine Vet J** 1987 May;19(3):178-84

Ibuprofen toxicosis in a dog. Spyridakis LK, et al. **J Am Vet Med Assoc** 1986 Oct 15;189(8):918-9

In defence of gentamicin. Adams R, et al. **Vet Rec** 1987 Mar 21;120(12):277-8

Flurbiprofen warning [letter] Nash AS, et al. **Vet Rec** 1987 Apr 18;120(16):399

KIDNEY FAILURE, CHRONIC

see related
HEMODIALYSIS
UREMIA

Achieving oral health in patients with renal failure and renal transplants. Eigner TL, et al. **J Am Dent Assoc** 1986 Oct; 113(4):612-6

Symposium on Strategy of Chronic Renal Failure. Present and future. Presented at the 83d annual scientific session of the Japanese Society of Internal Medicine. April 4, 1986, Tokyo. Proceedings. **Jpn J Med** 1987 May;26(2):266-91

Chronic renal failure. Diagnosis and management. Kronfield SJ. **Primary Care** 1974 Dec;1(4):583-601

First International Symposium on Renal Failure and Transplantation in Blacks. Dedication to Samuel Lee Kountz, MD, FACS, 1930-1981. **Transplant Proc** 1987 Apr; 19(2 Suppl 2):1-121

[Angioedema after administration of enalapril in a chronic renal failure patient (letter)] Marichal JF, et al. **Therapie** 1986 Nov-Dec;41(6):517 **(Fre)**

BLOOD

Hormonal profile in pubertal females with chronic renal failure: before and under haemodialysis and after renal transplantation. Ferraris JR, et al. **Acta Endocrinol (Copenh)** 1987 Jul;115(3):289-96

Plasma half-life of DDAVP in uraemic patients. Aunsholt NA, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Oct; 59(4):332-3

Trace element levels in patients with renal failure and after transplantation. Danielson BG, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:438-41

Calcitriol treatment does not increase the serum aluminium concentration in patients with moderate renal failure. Nordal KP, et al. **Acta Pharmacol Toxicol (Copenh)** 1986; 59 Suppl 7:293-5

Effects of 1,25(OH)2D3 administration on serum bone GLA protein in predialysis chronic renal failure. Coen G, et al. **Adv Exp Med Biol** 1986;208:297-303

Changes in serum calcium and phosphorus induced by chronic renal failure in the absence of parathyroid hormone. Rodriguez M, et al. **Adv Exp Med Biol** 1986; 208:383-6

Pharmacokinetics and pharmacodynamics of ramipril in renal failure. Aurell M, et al. **Am J Cardiol** 1987 Apr 24; 59(10):65D-69D

Altered plasma free and protein-bound sulfur amino acid levels in patients undergoing maintenance hemodialysis. Smolin LA, et al. **Am J Clin Nutr** 1987 Apr;45(4):737-43

Calcium carbonate is an effective phosphorus binder in children with chronic renal failure. Andreoli SP, et al. **Am J Kidney Dis** 1987 Mar;9(3):206-10

The erythrocyte sedimentation rate in end-stage renal failure. Bathon J, et al. **Am J Kidney Dis** 1987 Jul;10(1):34-40

The role of dialysate in the stimulation of interleukin-1 production during clinical hemodialysis. Port FK, et al. **Am J Kidney Dis** 1987 Aug;10(2):118-22

Microcytic anemia in dialysis patients: reversible marker of aluminum toxicity. Swartz R, et al. **Am J Kidney Dis** 1987 Mar;9(3):217-23

Diminished blood selenium levels in renal failure patients on dialysis: correlations with nutritional status. Dworkin B, et al. **Am J Med Sci** 1987 Jan;293(1):6-12

Lipid and lipoprotein levels in undialyzed patients with chronic renal failure. Mendez A, et al. **Am J Med Sci** 1987 Mar;293(3):164-70

Carnitine concentrations in dialysed and undialysed patients with chronic renal insufficiency. Rodriguez-Segade S, et al. **Ann Clin Biochem** 1986 Nov;23 (Pt 6):671-5

The erythrocyte sedimentation rate and chronic renal failure [letter] Shusterman N, et al. **Ann Intern Med** 1986 Nov; 105(5):801

Pharmacology of propylthiouracil in thyrotoxicosis and chronic renal failure. Cooper DS, et al. **Arch Intern Med** 1987 Apr;147(4):785-6

Potassium-lowering effect of albuterol for hyperkalemia in renal failure. Montoliu J, et al. **Arch Intern Med** 1987 Apr; 147(4):713-7

Pancreatic enzymes in chronic renal failure. Royse VL, et al. **Arch Intern Med** 1987 Mar;147(3):537-9

Pharmacokinetic studies on clavulanate potentiated ticarcillin in normal subjects and patients with renal insufficiency. Koeppe P, et al. **Arzneimittelforschung** 1987 Feb; 37(2):203-8

Reduction in aluminum load after one year of hemodiafiltration. Ahmad S, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):370-3

Buffer balance in bicarbonate hemodiafiltration. Feriani M, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):422-4

Coagulation and fibrinolysis in chronic renal failure. Change in tissue-type plasminogen activator activity. Nishimoto K, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):478-81

Hyperapobetalipoproteinemia: the major dyslipoproteinemia in patients with chronic renal failure treated with chronic ambulatory peritoneal dialysis. Sniderman A, et al. **Atherosclerosis** 1987 Jun;65(3):257-64

Intra-individual variation of some analytes in serum of patients with chronic renal failure. Hölzel WG. **Clin Chem** 1987 May;33(5):670-3

Concentrations of iodothyronines in serum of patients with chronic renal failure and other nonthyroidal illnesses: role of free fatty acids. Liewendahl K, et al. **Clin Chem** 1987 Aug;33(8):1382-6

Lp(a) lipoprotein in patients with chronic renal failure treated by hemodialysis. Parra HJ, et al. **Clin Chem** 1987 May; 33(5):721

Digoxin radioimmunoassay that does not detect digoxin-like substance in serum of newborns, infants, or patients with renal failure. Witherspoon L, et al. **Clin Chem** 1987 Mar; 33(3):420

Reduced plasma and white blood cell selenium levels in haemodialysis patients. Foote JW, et al. **Clin Chim Acta** 1987 May 15;164(3):323-8

An increased apo A-IV serum concentration of patients with chronic renal failure on hemodialysis. Seishima M, et al. **Clin Chim Acta** 1987 Aug 31;167(3):303-11

Direct radioimmunoassay of human plasma atrial natriuretic peptide in various normal and pathophysiological states: increase in renal and cardiac failure during exercise. Morris M, et al. **Clin Exp Hypertens [A]** 1987;9(4):703-18

Vasopressin in end-stage renal disease: relationship to salt, catecholamines and renin activity. Papadoliopoulou-Diamandopoulou N, et al.

Clin Exp Hypertens [A] 1987;9(7):1197–208

Plasma atrial natriuretic peptide: concentrations and circulating forms in normal man and patients with chronic renal failure. Ogawa K, et al. **Clin Exp Pharmacol Physiol** 1987 Feb;14(2):95–102

Normalization of lipoprotein lipase and hepatic lipase by gemfibrozil results in correction of lipoprotein abnormalities in chronic renal failure. Pasternack A, et al. **Clin Nephrol** 1987 Apr;27(4):163–8

Red blood cell lipid peroxidation in predialysis chronic renal failure. Taccone-Gallucci M, et al. **Clin Nephrol** 1987 May; 27(5):238–41

Plasma endogenous digitalis-like factors in healthy individuals and in dialysis-dependent and kidney transplant patients. Vasdev S, et al. **Clin Nephrol** 1987 Apr; 27(4):169–74

What is the value of plasma/serum aluminum in patients with chronic renal failure? Winney RJ, et al. **Clin Nephrol** 1985; 24 Suppl 1:S2–8

Plasma concentration of human atrial natriuretic polypeptide in patients with impaired renal function. Yamamoto Y, et al. **Clin Nephrol** 1987 Feb;27(2):84–6

Changing effects on erythrocyte sodium and potassium during the development of chronic renal failure with anaemia in rats. Thomas TH, et al. **Clin Sci** 1986 Dec; 71(6):639–46

Exaggerated responsiveness of immunoreactive atrial natriuretic peptide to saline infusion in chronic renal failure. Walker RG, et al. **Clin Sci** 1987 Jan;72(1):19–24

Impaired regulation of alpha- and beta-adrenoceptor function in chronic renal insufficiency. Brodde OE, et al. **Contrib Nephrol** 1986;50:28–35

Plasma catecholamines in renal failure. Heidbreder E, et al. **Contrib Nephrol** 1986;50:14–27

Hypersomatostatinemia in chronic renal failure. Wasada T, et al. **Endocrinol Jpn** 1987 Apr;34(2):251–6

Pharmacokinetics of intravenous and intraperitoneal ceftriaxone in chronic ambulatory peritoneal dialysis. Albin H, et al. **Eur J Clin Pharmacol** 1986;31(4):479–83

The pharmacokinetics of captopril and captopril disulfide conjugates in uraemic patients on maintenance dialysis: comparison with patients with normal renal function. Drummer OH, et al. **Eur J Clin Pharmacol** 1987; 32(3):267–71

Pharmacokinetics of teicoplanin in patients on continuous ambulatory peritoneal dialysis. Traina GL, et al. **Eur J Clin Pharmacol** 1986;31(4):501–4

Influence of haemodialysis and renal transplantation on trace element concentrations in children with chronic renal failure. Wibelm M, et al. **Eur J Pediatr** 1986 Oct; 145(5):372–6

Lipid profile of patients of chronic renal failure. Avasthi G, et al. **Indian J Med Res** 1986 Dec;84:612–6

Oxalate depuration during biofiltration with AN69 and in conventional hemodialysis in chronic renal failure (CRF) patients. Chimienti S, et al. **Int J Artif Organs** 1986 Dec; 9 Suppl 3:73–4

Serum erythropoietin titers in the anemia of chronic renal failure and other hematological states. Urabe A, et al. **Int J Cell Cloning** 1987 May;5(3):202–8

Pharmacokinetic study of ioxaglate, a low osmolality contrast medium, in patients with renal failure. Bourin M, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Nov;24(11):614–21

Serum levels of free non-protein bound clofibrinic acid after single dosing to patients with impaired renal function of various degrees—a multicenter study. Merk W, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Feb;25(2):59–62

Erythropoietin in children with chronic renal failure on dialytic and non-dialytic therapy. Aikhionbare HA, et al. **Int J Pediatr Nephrol** 1987 Jan-Mar;8(1):9–14

The effect of urea kinetic modeling on the nutrition management of hemodialysis patients. Goldstein DJ, et al. **J Am Diet Assoc** 1987 Apr;87(4):474–9

Multiple dose pharmacokinetics of intravenous acyclovir in patients on continuous ambulatory peritoneal dialysis. Boelaert J, et al. **J Antimicrob Chemother** 1987 Jul; 20(1):69–76

Antibacterial interaction of cefuroxime and serum from uraemic patients. Minelli Bertazzoni E, et al. **J Antimicrob Chemother** 1986 Sep;18(3):365–73

Antithrombin-III activity in chronic renal failure. Gupta V, et al. **J Assoc Physicians India** 1986 Aug;34(8):572–3

Digoxin like substances in chronic renal failure. Kumar S, et al. **J Assoc Physicians India** 1986 Sep;34(9):633–4

Serum somatomedin levels in adults with chronic renal failure: the importance of measuring insulin-like growth factor I (IGF-I) and IGF-II in acid-chromatographed uremic serum. Powell DR, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1186–92

Use of microanalytic laboratory methods to reduce blood loss in dialysis patients. Vaziri ND, et al. **J Dial** 1979; 3(4):367–74

Effect of vitamin B-6 deficiency on plasma amino acid levels in chronically azotemic rats. Wolfson M, et al. **J Nutr** 1986 Oct;116(10):1865–72

Renal failure obfuscates the diagnosis of Cushing's disease. Sharp NA, et al. **JAMA** 1986 Nov 14;256(18):2564–5

Clinical significance of atrial natriuretic peptide in human blood. Yamaji T, et al. **Jpn J Med** 1987 May;26(2):207–11

Endogenous digitalis-like factors in hypertension and chronic renal insufficiency. Kelly RA, et al. **Kidney Int** 1986 Nov; 30(5):723–9

Leukocyte C5a receptor modulation during hemodialysis. Lewis SL, et al. **Kidney Int** 1987 Jan;31(1):112–20

Erythropoietin-hematocrit feedback circuit in the anemia of end-stage renal disease. Walle AJ, et al. **Kidney Int** 1987 May;31(5):1205–9

Detection of fluid overload by plasma concentration of human atrial natriuretic peptide (h-ANP) in patients with renal failure. Eisenhauer T, et al. **Klin Wochenschr** 1986; 64 Suppl 6:68–72

Lipid lowering treatment with bezafibrate in patients on chronic haemodialysis: pharmacokinetics and effects. Grützmacher P, et al. **Klin Wochenschr** 1986 Oct 1; 64(19):910–6

Beta 2-microglobulin and haemodialysis [letter] **Lancet** 1987 Apr 18;1(8538):925–7

More on the role of metabolic acidosis in causing uremic hyperphosphatemia. De Marchi S, et al. **Miner Electrolyte Metab** 1987;13(1):67–8

Serum levels of bone Gla-protein in normal humans and in patients with chronic renal failure. Sugimoto K, et al. **Miner Electrolyte Metab** 1987;13(3):152–7

Relationship between serum vitamin D metabolites and dietary intake of phosphate in patients with early renal failure. Tessitore N, et al. **Miner Electrolyte Metab** 1987; 13(1):38–44

Calcium carbonate as a phosphate binder [letter] **N Engl J Med** 1987 Jan 8;316(2):109–10

Increased plasma histamine levels in chronic renal failure [letter] Stockenhuber F, et al. **N Engl J Med** 1987 Aug 6;317(6):386

Beta 2-microglobulin kinetics during haemodialysis and haemofiltration. Flöge J, et al. **Nephrol Dial Transplant** 1987;1(4):223–8

Plasma met-enkephalin and leu-enkephalin in chronic renal failure. Zoccali C, et al. **Nephrol Dial Transplant** 1987; 1(4):219–22

Factors that affect oxygen affinity of hemoglobin in chronic hemodialysis patients. Ando R, et al. **Nephron** 1987; 46(3):268–72

Hypertriglyceridemia and low-phosphorus, low-nitrogen diet in patients with chronic renal failure [letter] Aparicio M, et al. **Nephron** 1987;46(3):335–6

Renin and blood volume in chronic renal failure: a comparison with essential hypertension. Boer P, et al. **Nephron** 1987;45(1):7–15

Serum oxalate in chronic renal failure. Borland WW, et al. **Nephron** 1987;45(2):119–21

Sodium fluxes during hemodialysis. Bosch J, et al. **Nephron** 1987;45(2):86–92

Rapid alterations in plasma aluminium in association with varied oral aluminium intake in dialysis patients. Boyce NW, et al. **Nephron** 1987;45(2):164

Role of erythropoietin in the reversal of anemia of renal failure with continuous ambulatory peritoneal dialysis. Chandra M, et al. **Nephron** 1987;46(3):312–5

Clearance of inorganic sulfate by peritoneal dialysis in children with chronic renal failure. Cole DE, et al. **Nephron** 1986;44(3):186–90

Plasma selenium levels in renal failure [letter] Diskin CJ. **Nephron** 1986;44(2):155–6

Osmotic fragility of erythrocytes and secondary hyperparathyroidism in chronic renal failure [letter] Docci D. **Nephron** 1987;45(3):247–8

Platelet count and thrombopoietic activity in patients with chronic renal failure. Gafter U, et al. **Nephron** 1987; 45(3):207–10

Digoxin-like immunoreactive substance in renal failure: a reappraisal. Greenway DC, et al. **Nephron** 1986; 44(2):108–10

Serum and corpuscular nickel and zinc in chronic hemodialysis patients. Hosokawa S, et al. **Nephron** 1987; 45(2):151–3

Magnesium, calcium and PTH relationships in dialysis patients after magnesium repletion. Kenny MA, et al. **Nephron** 1987;46(2):199–205

Correlation between blood prostaglandins and blood pressure in chronic renal failure. Kishimoto T, et al. **Nephron** 1987; 47(1):49–55

Endotoxemia in chronic renal failure. Nisbeth U, et al. **Nephron** 1987;45(2):93–7

Hepatitis type B virus DNA in patients receiving hemodialysis: correlation with other HBV serological markers. Pao CC, et al. **Nephron** 1987;46(2):155–60

HLA antigens and serum ferritin in hemodialysis patients. Quereda C, et al. **Nephron** 1987;45(2):104–10

Relationship between thyroid hormones and nutrition in chronic renal failure. Verger MF, et al. **Nephron** 1987; 45(3):211–5

The renin-angiotensin-aldosterone system in patients with chronic primary glomerular diseases. Tanaka T, et al. **Nippon Jinzo Gakkai Shi** 1986 Sep;28(9):1261–6

Further definition of lipid-lipoprotein abnormalities in children with various degrees of chronic renal insufficiency. Zacchello G, et al. **Pediatr Res** 1987 May; 21(5):462–5

Prediction of the progression of chronic renal failure in children: are current models accurate? Tabak MA, et al. **Pediatrics** 1986 Dec;78(6):1007–12

Low somatomedin-C (Sm-C) concentrations measured by direct radioimmunoassay in patients with chronic renal failure. Caufriez A, et al. **Reprod Nutr Dev** 1987; 27(2B):567–8

Serum thyroglobulin in chronic renal failure—effects of haemodialysis. Hegedüs L, et al. **Scand J Clin Lab Invest** 1987 Feb;47(1):35–40

The anemia of chronic renal failure. Anagnostou A, et al. **Semin Nephrol** 1985 Jun;5(2):115–27

Hemolysis in chronic renal failure. Eaton JW, et al. **Semin Nephrol** 1985 Jun;5(2):133–9

Iron and folate metabolism in renal failure. Hutchins L, et al. **Semin Nephrol** 1985 Jun;5(2):142–6

Therapeutic aminoglycoside monitoring in renal failure patients. Keller F, et al. **Ther Drug Monit** 1987 Jun; 9(2):148–53

Effect of trimethoprim on serum creatinine in healthy and chronic renal failure volunteers. Myre SA, et al. **Ther Drug Monit** 1987 Jun;9(2):161–5

Thrombelastography of blood from subjects with chronic renal failure. Holloway DS, et al. **Thromb Res** 1987 Mar 15;45(6):817–25

Effect on platelet function of hypoalbuminemia in peritoneal dialysis. Sloand EM, et al. **Thromb Res** 1986 Nov 15; 44(4):419–25

Serum Erythropoietin levels and inhibitors of erythropoiesis in patients with chronic renal failure. Fukushima Y, et al. **Tohoku J Exp Med** 1986 Sep;150(1):1–15

[Vitamin B12 during regular dialysis therapy] Hájková B, et al. **Vnitr Lek** 1987 Feb;33(2):140–4 (Eng. Abstr.) **(Cze)**

[Plasma catecholamines, free and conjugated, in the hemodialyzed chronic renal failure patient] Prinseau J, et al. **Arch Mal Coeur** 1986 Jun;79(6):835–9 (Eng. Abstr.) **(Fre)**

[Levels of plasma beta 2-microglobulin and deposits of amyloid substance in patients under chronic hemodialysis (letter)] Lillo-Ferez M, et al. **Nephrologie** 1986;7(5):211 **(Fre)**

[Plasma binding of drugs in chronic renal failure] Riant P, et al. **Nephrologie** 1986;7(3):89–93 (Eng. Abstr.) **(Fre)**

[Determination of the metabolic condition in diabetics with renal insufficiency by means of the fructosamine test] Wagner R, et al. **Dtsch Med Wochenschr** 1987 Jan 30; 112(5):175–7 (Eng. Abstr.) **(Ger)**

[Metabolism of fluorine in terminal renal failure] Schmidt CW, et al. **Z Urol Nephrol** 1986 Aug;79(8):481–4 (Eng. Abstr.) **(Ger)**

[Blood ferritin in the periodic monitoring of uremic patients in substitute therapy] Cusaro C, et al. **Minerva Urol Nefrol** 1987 Apr-Jun;39(2):149–51 **(Ita)**

[Plasma amino acids in dialyzed children: comparison of hemodialysis and continuous ambulatory peritoneal dialysis] Perfumo F, et al. **Pediatr Med Chir** 1986 May-Jun; 8(3):341–5 (Eng. Abstr.) **(Ita)**

[Changes in leukocyte counts using a cellulose acetate membrane (FB-T) during hemodialysis. A comparison with a cuprophane membrane] Pak K, et al. **Hinyokika Kiyo** 1986 Sep;32(9):1231–5 (Eng. Abstr.) **(Jpn)**

[Serum levels of malondialdehyde and antioxidant activity in patients with chronic renal failure] Asaka S. **Nippon Jinzo Gakkai Shi** 1986 Oct;28(10):1359–70 (Eng. Abstr.) **(Jpn)**

[Detection of uremic peaks by high performance liquid chromatography and their behavior] Koide K, et al. **Nippon Jinzo Gakkai Shi** 1986 Aug;28(8):1101–10 (Eng. Abstr.) **(Jpn)**

[Relationship between serum myo-inositol and peripheral neuropathy in patients with chronic renal failure] Kuzuhara K, et al. **Nippon Jinzo Gakkai Shi** 1986 Jun;28(6):739–47 (Eng. Abstr.) **(Jpn)**

[Studies on the half-life of C-terminal parathyroid hormone in chronic renal failure] Inoue S, et al. **Nippon Naibunpi Gakkai Zasshi** 1987 May 20;63(5):651–6 (Eng. Abstr.) **(Jpn)**

[Serum free thyroid hormones and response of TSH to TRH in nonthyroidal illnesses] Kokei S, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Nov 20; 62(11):1231–43 (Eng. Abstr.) **(Jpn)**

[Chronic renal failure: present and future. Pathophysiology and metabolic abnormalities—uremic toxin, middle and large molecular substances] Gejyo F. **Nippon Naika Gakkai Zasshi** 1986 Nov;75(11):1550–4 **(Jpn)**

[Evaluation of osteocalcin in the serum of hemodialysis patients with renal insufficiency] Torizumi K, et al. **Radioisotopes** 1986 Sep;35(9):482–5 **(Jpn)**

[Blood viscosity in patients with chronic renal failure] Sulek K, et al. **Pol Arch Med Wewn** 1986 Oct;76(4):222–7 (Eng. Abstr.) **(Pol)**

[Changes in the levels of various trace elements in the blood of patients with chronic renal failure treated by repeat hemodialysis and in disorders of peripheral motor conductivity] Weyde W, et al. **Przegl Lek** 1987;44(4):397–9 (Eng. Abstr.) **(Pol)**

[Serum aluminum concentration and the deferoxamine test in a group of patients under chronic hemodialysis] de Sousa FT, et al. **Acta Med Port** 1986 Jul-Aug;7(4):161–4 (Eng. Abstr.) **(Por)**

[Platelet function and blood coagulation in chronic renal insufficiency] Cutcudache C, et al. **Rev Med Interna [Med Interna]** 1986 Nov-Dec; 38(6):563–76 (Eng. Abstr.) **(Rum)**

[Erythrocyte deformability in acute and chronic kidney failure patients] Grinshtein IuI, et al. **Ter Arkh** 1986; 58(12):91–3 (Eng. Abstr.) **(Rus)**

[Function of the blood prekallikrein–kallikrein system of patients with terminal kidney failure as affected by hemosorption] Petrun' NM, et al. **Urol Nefrol (Mosk)** 1986 Nov–Dec;(6):41–4 (Eng. Abstr.) **(Rus)**

[The effect of hemofiltration on elevated levels of serum lipids in patients with chronic kidney failure] Jeren–Struić B, et al. **Acta Med Iugosl** 1986;40(4):285–91 **(Scr)**

[Serum ferritin in patients with chronic kidney failure. I] Galajdová E, et al. **Vnitr Lek** 1986 Sep;32(9):845–50 (Eng. Abstr.) **(Slo)**

[Serum ferritin in patients with chronic kidney failure. II] Galajdová E, et al. **Vnitr Lek** 1986 Sep;32(9):851–4 (Eng. Abstr.) **(Slo)**

CHEMICALLY INDUCED

Fluoride–induced chronic renal failure. Lantz O, et al. **Am J Kidney Dis** 1987 Aug;10(2):136–9

Chronic renal failure associated with topical application of paraphenylenediamine. Brown JH, et al. **Br Med J [Clin Res]** 1987 Jan 17;294(6565):155

Chronic renal failure associated with topical application of paraphenylenediamine [letter] Savill JS, et al. **Br Med J [Clin Res]** 1987 Mar 7;294(6572):646

Intrauterine exposure to indomethacin [letter] v.d. Heijden AJ, et al. **Eur J Pediatr** 1986 Dec;145(6):579

Analgesic nephropathy: an underestimated cause of end–stage renal disease. Drukker W, et al. **Int J Artif Organs** 1986 Jul;9(4):219–46 (119 ref.)

Microangiopathic hemolytic anemia, noncardiac pulmonary edema, and renal failure after treatment of metastatic adenocarcinoma of the colon with 5–fluorouracil and mitomycin–C: report of a case. Claycomb CL, et al. **J Am Osteopath Assoc** 1986 Aug;86(8):499–503

Analgesic nephropathy as a cause of end–stage renal disease in Malaysia. Segasothy M, et al. **Med J Malaysia** 1986 Jun; 41(2):134–8

Aluminium load in patients with analgesic nephropathy. Schwarz A, et al. **Miner Electrolyte Metab** 1987;13(3):141–6

Increased incidence of cerebral hemorrhage mortality in patients with analgesic nephropathy on hemodialysis. Chachati A, et al. **Nephron** 1987;45(2):167–8

Chronic nephrotoxicity complicating cyclosporine treatment of chronic inflammatory demyelinating polyradiculoneuropathy. Kolkin S, et al. **Neurology** 1987 Jan;37(1):147–9

[Toxicology of glycerin. Case report] Ranner G, et al. **Beitr Gerichtl Med** 1986;44:557–62 (Eng. Abstr.) **(Ger)**

[Abuse of analgesics with special reference to analgesic nephropathy] Scheler F, et al. **Internist (Berlin)** 1986 Dec; 27(12):770–7 **(Ger)**

[Kidney function in lead burden] Ritz E, et al. **Klin Wochenschr** 1986 Sep 15;64(18):871–5 (Eng. Abstr.) **(Ger)**

[Hepatic failure and renal failure in antineoplastic chemotherapy, and its treatment] Nakao I. **Gan To Kagaku Ryoho** 1986 Oct;13(10):2930–8 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Reduction of serum prolactin after salmon calcitonin infusion in patients with impaired renal function. Pun KK, et al. **Acta Endocrinol (Copenh)** 1987 Jun;115(2):243–6

Nontraumatic subdural hematoma in a patient with osteogenesis imperfecta and renal failure. Sayre MR, et al. **Am J Emerg Med** 1987 Jul;5(4):298–301

Dialytic ultrafiltration by hemofilter in treatment of patients with refractory ascites and renal insufficiency. Lai KN, et al. **Am J Gastroenterol** 1987 Jul;82(7):665–8

Ascites associated with end–stage renal disease. Glück Z, et al. **Am J Kidney Dis** 1987 Jul;10(1):9–18 (71 ref.)

Pregnancy in women requiring dialysis for renal failure. Hou S. **Am J Kidney Dis** 1987 Apr;9(4):368–73 (24 ref.)

Evaluation of cardiovascular risk for renal transplantation in diabetic patients. Philipson JD, et al. **Am J Med** 1986 Oct;81(4):630–4

Effect of chronic renal failure on heart. Role of secondary hyperparathyroidism. el–Belbessi S, et al. **Am J Nephrol** 1986;6(5):369–75

Effects of naloxone administration on endocrine abnormalities in chronic renal failure. Grzeszczak W, et al. **Am J Nephrol** 1987;7(2):93–100

Low–output left ventricular failure in end–stage renal disease. Parfrey PS, et al. **Am J Nephrol** 1987;7(3):184–91

Aluminum–related bone disease in mild and advanced renal failure: evidence for high prevalence and morbidity and studies on etiology and diagnosis. Smith AJ, et al. **Am J Nephrol** 1986;6(4):275–83

Diagnosis of hypothyroidism in patients with end–stage renal disease. Tang WW, et al. **Am J Nephrol** 1987;7(3):192–7

Temporal profile of serum potassium concentration in nondiabetic and diabetic outpatients on chronic dialysis. Tzamaloukas AH, et al. **Am J Nephrol** 1987;7(2):101–9

Pathogenesis of osteomalacia in chronic renal failure and its relationship to vitamin D. Kanis JA, et al. **Ann Med Interne (Paris)** 1986;137(3):193–9 (58 ref.)

Amyloid arthropathy in patients with chronic renal failure [letter] Huaux JP, et al. **Ann Rheum Dis** 1986 Oct; 45(10):878–9

Synovial fluid examination for the diagnosis of synovial amyloidosis in patients with chronic renal failure undergoing haemodialysis. Muñoz–Gómez J, et al. **Ann Rheum Dis** 1987 Apr;46(4):324–6

Coronary artery bypass grafting in dialysis patients. Marshall WG Jr, et al. **Ann Thorac Surg** 1986 Dec;42(6 Suppl):S12–5

Factors related to sexual functioning in male patients undergoing hemodialysis and with kidney transplants. Glass CA, et al. **Arch Sex Behav** 1987 Jun;16(3):189–207

Kidney function of pyelonephritis patients with impaired renal function treated with mezlocillin. Lewandowski A, et al. **Arzneimittelforschung** 1986 Jul;36(7):1148–50

Comparison of the effects of penbutolol and propranolol on glomerular filtration rate in hypertensive patients with impaired renal function. van der Meulen J, et al. **Br J Clin Pharmacol** 1986 Oct;22(4):469–74

Cyst infection in acquired renal cystic disease. Bonal J, et al. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):25

Neuropsychiatric complications related to use of prazosin in patients with renal failure. Chin DK, et al. **Br Med J [Clin Res]** 1986 Nov 22;293(6558):1347

Acquired cystic disease of the kidney [letter] Viner NJ, et al. **Br Med J [Clin Res]** 1987 Jan 10;294(6564):121–2

Human T–cell leukemia virus type I infection in hemodialysis patients. Lee SY, et al. **Cancer** 1987 Oct 1;60(7):1474–8

Renal haemodynamics and comparative effects of captopril in patients with benign– or malignant–essential hypertension, or with chronic renal failure. Shionoiri H, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):543–9

Hypotension in end–stage renal disease: effect of postural change, exercise and angiotensin II infusion on blood pressure and plasma concentrations of angiotensin II, aldosterone and arginine vasopressin in hypotensive patients with chronic renal failure treated by dialysis. Sørensen SS, et al. **Clin Nephrol** 1986 Dec;26(6):288–96

Treatment of lead poisoning with unithiol in chronic renal failure [letter] Vincent D, et al. **Clin Nephrol** 1986 Nov; 26(5):267

Aluminium–induced osteomalacia in severe chronic renal failure (SCRF). Visser WJ, et al. **Clin Nephrol** 1985;24 Suppl 1:S30–6 (50 ref.)

The heart in end–stage renal failure: etiology, symptoms and management of uremic heart disease. **Contrib Nephrol** 1986; 52:1–149

Different dialytic modalities in the management of hypertension in uremic patients. Cambi V, et al. **Contrib Nephrol** 1987;54:218–25

Cardiomyopathy in patients on maintenance haemodialysis. Drüeke T, et al. **Contrib Nephrol** 1986;52:27–33

Management of hypertension in chronic renal failure. Maiorca R, et al. **Contrib Nephrol** 1987;54:190–201 (16 ref.)

Cardiovascular complications in chronic renal failure. Massry SG. **Contrib Nephrol** 1987;54:177–89 (46 ref.)

Low protein diet in children with chronic renal failure. Mehls O, et al. **Contrib Nephrol** 1986;53:31–9 (22 ref.)

Comparison of H1–antihistamines for pruritus in end–stage renal disease [letter] Nykamp D. **Drug Intell Clin Pharm** 1986 Oct;20(10):806–7

Pharmacokinetics of trimazosin and its effects on blood pressure, renal function and proteinuria during short–term therapy of patients with impaired renal function and hypertension. van Kalken CK, et al. **Eur J Clin Pharmacol** 1986;31(1):63–8

Lisinopril in hypertensive patients with and without renal failure. van Schaik BA, et al. **Eur J Clin Pharmacol** 1987; 32(1):11–6

Generalized soft tissue calcification in children and adolescents with end stage renal failure. van Diemen–Steenvoorde R, et al. **Eur J Pediatr** 1986 Sep; 145(4):293–6

Erythropoietin and anemia in chronic renal failure. Pavlović–Kentera V, et al. **Exp Hematol** 1987 Aug; 15(7):785–9

A phase–polycardiographic and apex cardiographic appraisal of the effect of treatment of left ventricular disorders in patients with chronic renal failure. Dimitrakov D. **Folia Med (Plovdiv)** 1986;28(3):17–21

Duodenal pseudomelanosis associated with chronic renal failure. Gupta TP, et al. **Gastrointest Endosc** 1986 Oct; 32(5):358–60

Depressive symptoms and functional impairment in the medically ill. Rodin G, et al. **Gen Hosp Psychiatry** 1987 Jul;9(4):251–8

Managing hypertension in chronic renal disease. Faubert PF, et al. **Geriatrics** 1987 Jan;42(1):49–51, 55–8

A reversible cause of progressive renal destruction. Stroh JA. **Hosp Pract [Off]** 1987 Jun 15;22(6):21, 24, 27

Hypertension in dialysis patients [editorial] Diamond SM, et al. **Int J Artif Organs** 1986 Jul;9(4):213–4

Cutaneous associations of chronic renal failure and dialysis. Gupta AK, et al. **Int J Dermatol** 1986 Oct;25(8):498–504 (103 ref.)

Polycythemia in a young patient with chronic renal insufficiency and bilateral hydronephrosis. Gouraud F, et al. **Int J Pediatr Nephrol** 1987 Jan–Mar;8(1):51–3

Lack of an acute effect of parathyroid hormone within skeletal muscle. Wassner SJ, et al. **Int J Pediatr Nephrol** 1987 Jan–Mar;8(1):15–20

Central and peripheral involvement in hemodialysed subjects: neurophysiological and nephrological relationships. Gambaro P, et al. **Ital J Neurol Sci** 1987 Feb;8(1):31–4

Sublingual nifedipine in severe hypertension with advanced renal failure. Mohanan PP, et al. **J Assoc Physicians India** 1987 Mar;35(3):222–3

Management of rachitic deformities in children with chronic renal failure. Blockey NJ, et al. **J Bone Joint Surg [Br]** 1986 Nov;68(5):791–4

Chronic renal failure presenting as proximal muscle weakness in a child. Berretta JS, et al. **J Child Neurol** 1986 Jan; 1(1):50–2

Upper endoscopy for occult bleeding in renal failure. Gupta S, et al. **J Clin Gastroenterol** 1987 Feb;9(1):43–5

Hypocalcemia may not be essential for the development of secondary hyperparathyroidism in chronic renal failure. Lopez–Hilker S, et al. **J Clin Invest** 1986 Oct; 78(4):1097–102

Mechanisms and therapy of impotence associated with chronic renal failure and chronic dialysis. Krumlovsky FA, et al. **J Dial** 1979;3(4):395–411

Mania as a manifestation of end–stage renal disease. el–Mallakh RS, et al. **J Nerv Ment Dis** 1987 Apr; 175(4):243–5

Neurologic–developmental sequelae of chronic renal failure in infancy [letter] Laverda AM, et al. **J Pediatr** 1986 Nov; 109(5):915–6

Parenteral calcitriol for treatment of severe renal osteodystrophy in children with chronic renal insufficiency. Trachtman H, et al. **J Pediatr** 1987 Jun;110(6):966–70

Kinetics of drug action in disease states. XVIII. Effect of experimental renal failure on the pharmacodynamics of theophylline–induced seizures in rats. Ramzan IM, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):584–8

Sclero–calcific mitral valve changes in patients with chronic renal failure on haemodialysis. D'Cruz IA, et al. **J R Coll Physicians Lond** 1987 Apr;21(2):143–7 (17 ref.)

Synovial fluid oxalate deposition complicating rheumatoid arthritis with amyloidosis and renal failure. Demonstration of intracellular oxalate crystals. Schumacher HR Jr, et al. **J Rheumatol** 1987 Apr;14(2):361–6

Renal adenocarcinoma and end stage kidney disease. Boileau M, et al. **J Urol** 1987 Sep;138(3):603–6

Bowel infarction as a cause of death in dialysis patients. Diamond SM, et al. **JAMA** 1986 Nov 14;256(18):2545–7

A case of rhabdomyolysis in chronic renal failure. Muto S, et al. **Jpn J Med** 1987 Feb;26(1):76–80

Diabetics and renal failure [letter] Daggett P. **Lancet** 1987 Mar 21;1(8534):687

Diabetic complications in end–stage diabetic nephropathy [letter] Morton AR, et al. **Lancet** 1987 Feb 28;1(8531):506

Ichthyosis resolving after renal transplantation [letter] Nightingale JM, et al. **Lancet** 1987 Mar 28;1(8535):743–4

Serological screening for Campylobacter pylori in candidates for renal transplantation [letter] von Wulffen H, et al. **Lancet** 1987 May 16;1(8542):1140–1

Effect of human erythropoietin derived from recombinant DNA on the anaemia of patients maintained by chronic haemodialysis. Winearls CG, et al. **Lancet** 1986 Nov 22; 2(8517):1175–8

Surgery in the patient with acute or chronic renal failure [published erratum appears in Med Clin North Am 1987 Jul;71(4):preceding xi] Burke JF Jr, et al. **Med Clin North Am** 1987 May;71(3):489–97 (34 ref.)

Treatment of secondary hyperparathyroidism of predialysis chronic renal failure with low doses of 1,25(OH)2D3: humoral and histomorphometric results. Coen G, et al. **Miner Electrolyte Metab** 1986;12(5–6):375–82

Reduced phosphate reabsorption unrelated to parathyroid hormone after renal transplantation: implications for the pathogenesis of hyperparathyroidism in chronic renal failure. Parfitt AM, et al. **Miner Electrolyte Metab** 1986; 12(5–6):356–62

Correction of the anemia of end–stage renal disease with recombinant human erythropoietin [letter] **N Engl J Med** 1987 Jul 23;317(4):249–51

Recombinant erythropoietin for the anemia of chronic renal failure [letter] Ahmad R, et al. **N Engl J Med** 1987 Jul 16;317(3):169–70

Correction of the anemia of end–stage renal disease with recombinant human erythropoietin. Results of a combined phase I and II clinical trial. Eschbach JW, et al. **N Engl J Med** 1987 Jan 8;316(2):73–8

Effect of haemodialysis on upper gastrointestinal tract pathology in patients with chronic renal failure. Chachati A, et al. **Nephrol Dial Transplant** 1987;1(4):233–7

Erythropoiesis in the anaemia of chronic renal failure: the response to CAPD. Coles GA, et al. **Nephrol Dial Transplant** 1986;1(3):170–4

Successful pregnancy of a woman with advanced renal failure on nutritional treatment. Fröhling PT, et al. **Nephron** 1986; 44(3):195–7

Angiodysplasia of the colon and chronic renal failure [letter] Matesanz R, et al. **Nephron** 1987;46(2):223–4

High incidence of supernumerary nipples in end–stage renal failure. Matesanz R, et al. **Nephron** 1986;44(4):385–6

Polycythemia of end–stage renal failure: no inhibition of erythropoiesis by uremic serum and markedly increased serum erythropoietin level. Muto S, et al. **Nephron** 1987; 46(1):34–6

Gastric antacid bezoar in a patient with chronic renal failure [letter] Moh P, et al. **NY State J Med** 1987 Apr;87(4):235–6

Chloramphenicol–induced cardiovascular collapse in an anephric patient. Phelps SJ, et al. **Pediatr Infect Dis J** 1987 Mar;6(3):285–8

Severe renal osteodystrophy without elevated serum immunoreactive parathyroid hormone concentrations in hypomagnesemia due to renal magnesium wasting. Zelikovic I, et al. **Pediatrics** 1987 Mar;79(3):403–9

Selective inhibition of erythropoiesis by sera from patients with chronic renal failure. Hotta T, et al. **Proc Soc Exp Biol Med** 1987 Oct;186(1):47–51

Acroosteolysis: early marker of skeletal damage in patients with chronic renal insufficiency. Tamarozzi R, et al. **Rays** 1985 Jan–Apr;10(1):61–5

Upper gastrointestinal findings in chronic renal failure. Ala–Kaila K. **Scand J Gastroenterol** 1987 Apr;22(3):372–6

Occurrence and significance of heart disease in uraemia. An autopsy study. Clyne N, et al. **Scand J Urol Nephrol** 1986; 20(4):307–11

The hematologic disorders of chronic renal failure. **Semin Nephrol** 1985 Jun;5(2):81–154

Osteomalacia and bone disease arising from aluminum. Coburn JW, et al. **Semin Nephrol** 1986 Mar;6(1):68–89 (168 ref.)

The role of androgens in the treatment of anemia of chronic renal failure. Dainiak N. **Semin Nephrol** 1985 Jun; 5(2):147–54

Successful use of continuous ambulatory peritoneal dialysis (CAPD) in the treatment of patients with renal and cardiac failure. Nakajima K, et al. **Tokai J Exp Clin Med** 1986 Oct;11(4):279–83

Hepatitis B disease in dialysis and transplant patients. Further epidemiologic and serologic studies. Harnett JD, et al. **Transplantation** 1987 Sep;44(3):369–76

Chronic renal failure in Khartoum, Sudan. Osman EM, et al. **Ups J Med Sci** 1987;92(1):65–73

Bilateral metachronous xanthogranulomatous pyelonephritis in end-stage renal failure. Golomb J, et al. **Urol Radiol** 1986;8(2):95–7

Vascular calcification presenting as necrosis of penis in patient with chronic renal failure. Ashouri OS, et al. **Urology** 1986 Nov;28(5):420–3

Bilateral ureteral endometriosis with end-stage renal failure. Mourin–Jouret A, et al. **Urology** 1987 Mar;29(3):302–6

[Open heart surgery in patients with terminal kidney insufficiency] Niemeyer MG, et al. **Ned Tijdschr Geneeskd** 1986 Dec 13;130(50):2264–7 (Eng. Abstr.) **(Dut)**

[Morphological aspects of parathyroid hyperplasia in patients with chronic renal insufficiency on dialysis] Joujoux JM, et al. **Ann Pathol** 1986;6(3):164–9 (Eng. Abstr.) **(Fre)**

[Clinical pharmacology of enalapril in hypertension with chronic renal failure] Chaignon M, et al. **Arch Mal Coeur** 1986 Jun;79(6):967–70 (Eng. Abstr.) **(Fre)**

[Tuberculosis in chronic hemodialysis patients (letter)] Hachicha J, et al. **Nephrologie** 1986;7(5):211–2 **(Fre)**

[Use of hormonal parameters of phospho–calcium metabolism as a means of discriminating bone and joint disorders in patients with renal insufficiency] Poignet JL, et al. **Pathol Biol (Paris)** 1986 Oct;34(8):948–50 (Eng. Abstr.) **(Fre)**

[Hypoglycemia induced by sulfamethoxazole–trimethoprim in a chronic renal insufficiency patient (letter)] Dubois P, et al. **Presse Med** 1986 Sep 13;15(29):1377–8 **(Fre)**

[Sudden onset polyradiculoneuritis in a patient with chronic renal failure (letter)] Eugene M, et al. **Presse Med** 1986 Oct 18;15(36):1831 **(Fre)**

[Spontaneous hypoglycemia in a non–insulin–dependent diabetic with advanced renal failure (letter)] Grimaldi A, et al. **Presse Med** 1987 Jan 10–17;16(1):36 **(Fre)**

[Respective roles of hemodialysis, hydroxyapatite and amyloid deposits in so–called destructive spondylarthropathy of hemodialysis. Apropos of 2 personal cases without hemodialysis] Alcalay M, et al. **Rev Rhum Mal Osteoartic** 1986 Oct;53(10):529–34 **(Fre)**

[Andrological abnormalities in internal diseases and following drug therapy] Szarvas F. **Andrologia** 1987 Jun;19 Spec No:284–9 (Eng. Abstr.) **(Ger)**

[Coronary heart disease and heart valve diseases in patients with terminal kidney insufficiency] Hässler R, et al. **Dtsch Med Wochenschr** 1987 May 1;112(18):714–8 (Eng. Abstr.) **(Ger)**

[Invasive cardiologic diagnosis and heart surgery in patients with terminal renal failure] Grossmann R, et al. **Med Klin** 1986 Oct 3;81(20):627–31 (Eng. Abstr.) **(Ger)**

[HBV, HDV and HTLV–III infections in drug addicts, cirrhotics and hemodialysis patients] Migneco G, et al. **Boll Soc Ital Biol Sper** 1986 Oct 30;62(10):1305–10 (Eng. Abstr.) **(Ita)**

[Multifactorial analysis of the cardiocirculatory compromise in children with chronic renal insufficiency in hemodialysis. An echocardiographic study] Fesslovà V, et al. **G Ital Cardiol** 1986 Jul;16(7):551–8 (Eng. Abstr.) **(Ita)**

[Secondary hyperparathyroidism in hemodialyzed uremic diabetic patients. Relatively less severe skeletal injuries] Bedani PL, et al. **Minerva Urol Nefrol** 1986 Oct–Dec; 38(4):425–9 (Eng. Abstr.) **(Ita)**

[Treatment of hypertensive emergencies in nephrology with nifedipine] Coratelli P, et al. **Minerva Urol Nefrol** 1987 Jan–Mar;39(1):85–8 (Eng. Abstr.) **(Ita)**

[Clinical, radiological–computerized tomography and scintigraphic findings in a case of chronic renal insufficiency with calcifications of the soft tissues] Torricelli P, et al. **Radiol Med (Torino)** 1987 Jun; 73(6):594–7 **(Ita)**

[Absorption of 5–FU orally administered in a patient with postoperative gastric cancer under artificial dialysis] Tamura J, et al. **Gan To Kagaku Ryoho** 1987 Sep; 14(9):2771–4 (Eng. Abstr.) **(Jpn)**

[A pre– and post–operative clinical study in three patients with benign prostatic hypertrophy and implicated chronic renal failure] Hirano S, et al. **Hinyokika Kiyo** 1986 Aug; 32(8):1105–12 (Eng. Abstr.) **(Jpn)**

[Open heart surgery in patients with chronic renal failure] Shigenobu M, et al. **Kyobu Geka** 1987 Mar;40(4):316–21 (Eng. Abstr.) **(Jpn)**

[Urinary tract infection in patients with chronic renal failure due to diabetic nephropathy] Hida M, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Aug;77(8):1343–8 (Eng. Abstr.) **(Jpn)**

[A case of chronic renal failure associated with severe peripheral neuropathy] Ando A, et al. **Nippon Jinzo Gakkai Shi** 1986 Aug;28(8):1161–9 (Eng. Abstr.) **(Jpn)**

[A maintenance hemodialysis patient with tuberous sclerosis presenting as severe hypocalcemia] Okada K, et al. **Nippon Jinzo Gakkai Shi** 1986 Nov;28(11):1545–52 (Eng. Abstr.) **(Jpn)**

[Chronic renal failure: present and future. Pathophysiology and metabolic abnormalities—Recent advances of therapeutic approach toward renal osteodystrophy] Ogura Y, et al. **Nippon Naika Gakkai Zasshi** 1986 Nov; 75(11):1555–8 **(Jpn)**

[Etiology and pathology of metabolic bone diseases: renal osteodystrophy] Shigematsu T, et al. **Nippon Rinsho** 1986 Nov;44(11):2428–36 (25 ref.) **(Jpn)**

[Use of nadolol in patients with primary arterial hypertension in compensated renal failure] Kawecka–Jaszcz K, et al. **Kardiol Pol** 1986;29(11–12):784–90 (Eng. Abstr.) **(Pol)**

[Features of the course of sepsis in the terminal stage of chronic renal failure] Filiptsev PIa, et al. **Sov Med** 1987; (3):92–5 **(Rus)**

[Disorders of cerebral circulation in chronic renal failure] Neretin VIa, et al. **Sov Med** 1986;(10):71–3 **(Rus)**

[Problems in the treatment of the anemic syndrome in patients with chronic kidney failure] Dvoretskil LI, et al. **Ter Arkh** 1986;58(8):77–81 (Eng. Abstr.) **(Rus)**

[Secondary hyperparathyroidism in chronic kidney failure] Kalinin AP, et al. **Ter Arkh** 1986;58(8):143–8 (78 ref.) **(Rus)**

[Mechanisms of hypertension in patients with terminal kidney failure on programmed hemodialysis] Krimkevich EI, et al. **Ter Arkh** 1986;58(8):81–4 (Eng. Abstr.) **(Rus)**

[Renal osteodystrophy in children with chronic renal insufficiency] Furková K, et al. **Cesk Pediatr** 1986 Sep; 41(9):514–8 (Eng. Abstr.) **(Slo)**

[Incidence of hypertension in children and adolescents with chronic renal insufficiency] Sagát T, et al. **Cesk Pediatr** 1986 Sep;41(9):511–3 (Eng. Abstr.) **(Slo)**

[Value of captopril in systemic lupus erythematosus with arterial hypertension and renal insufficiency (letter)] Cervera R, et al. **Med Clin (Barc)** 1987 Jun 13;89(3):129–30 **(Spa)**

[Collagenous colitis in a patient with chronic renal insufficiency (letter)] García Ruiz C, et al. **Med Clin (Barc)** 1987 Jan 17;88(2):83 **(Spa)**

[Uremic perforating disease (letter)] Pujol RM, et al. **Med Clin (Barc)** 1986 Oct 4;87(10):437–8 **(Spa)**

[Clinical and prognostic value of the echocardiogram in hemodialysis chronic patients] Roisinblit JM, et al. **Medicina (B Aires)** 1986;46(2):181–5 (Eng. Abstr.) **(Spa)**

[Tumor calcinosis in chronic renal insufficiency] Caballero P, et al. **Rev Clin Esp** 1986 Jul;179(3):138–41 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Hypertension and nephrotoxicity in the rate of decline in kidney function in diabetic nephropathy. Aubia J, et al. **Clin Nephrol** 1987 Jan;27(1):15–20

Statistical methods for predicting the progression of chronic renal failure in children [letter] Hymes LC. **Clin Nephrol** 1987 Feb;27(2):103–4

Creatinine is a poor marker of renal failure [letter] Bending JJ, et al. **Diabetic Med** 1985 Jan;2(1):65–6

Proteinuria prevalence in insulin–treated patients: prediction of need for end–stage renal failure treatment. Waugh NR, et al. **Diabetic Med** 1987 Mar–Apr;4(2):151–5

Somatic manifestations in renal disease: a clinical research study. Johnston WL, et al. **J Am Osteopath Assoc** 1987 Jan;87(1):61–74

Good rapport and good record: antidote for litigation. Avery JK. **J Tenn Med Assoc** 1986 Oct;79(10):646

Influence of pathological state on the acoustic attenuation coefficient slope of liver. Afschrift M, et al. **Ultrasound Med Biol** 1987 Mar;13(3):135–9

[Electrocardiographic changes in patients with chronic kidney failure treated by periodic hemodialysis] Krivoshiev S, et al. **Vutr Boles** 1987;26(1):30–3 (Eng. Abstr.) **(Bul)**

[Accelerating factors in the progression of chronic renal failure] Lachhein L, et al. **Z Urol Nephrol** 1986 Nov; 79(11):647–53 (Eng. Abstr.) **(Ger)**

DIET THERAPY

Nutritional factors and progression of chronic renal failure. Salusky IB, et al. **Adv Pediatr** 1986;33:149–58 (45 ref.)

Low protein diet and 1,25 (OH)2 D3 levels [letter] Lindenau K, et al. **Clin Nephrol** 1987 Jan;27(1):47–8

Low protein diet and progression of chronic renal failure. 1st scientific meeting of the European Study Group for the Conservative Management of Chronic Renal Failure. Heidelberg, November 7–8, 1985. **Contrib Nephrol** 1986; 53:1–146

Protection of renal function in subtotally nephrectomized rats by dietary therapy. Barsotti G, et al. **Contrib Nephrol** 1986; 53:21–30

Restoration of thyroid secretion in uremic patients following a low protein low phosphorus diet supplemented with essential amino acids and keto analogues. Ciardella F, et al. **Contrib Nephrol** 1986;53:51–7

Preliminary experience on dietary management of chronic renal failure. Gentile MG, et al. **Contrib Nephrol** 1986; 53:102–8

Dietetic education and assessment of compliance in patients with chronic renal insufficiency. Gentile MG, et al. **Contrib Nephrol** 1987;55:36–45

Statistical problems in designing, conducting, and analysing nutritional trials in patients with chronic renal failure. Gretz N, et al. **Contrib Nephrol** 1986;53:82–91

Influence of the underlying renal disease on the rate of progression. Gretz N, et al. **Contrib Nephrol** 1986;53:92–101

Experimental models to assess the influence of low protein diets on the progression of chronic renal failure. Gretz N, et al. **Contrib Nephrol** 1986;53:7–20 (40 ref.)

Nutritional assessment in patients with early renal insufficiency on long–term low protein diet. Guarnieri G, et al. **Contrib Nephrol** 1986;53:40–50

Clinical effects of long–term dietary protein and phosphorus restriction in patients with early chronic renal failure. Maschio G, et al. **Contrib Nephrol** 1987;55:20–7

Treatment of progressive chronic renal failure. Implications for changing the composition of amino acid and ketoacid supplements. Mitch WE, et al. **Contrib Nephrol** 1987; 55:28–35 (13 ref.)

Hypertension and progression of renal failure in patients on protein–restricted diet. Oldrizzi L, et al. **Contrib Nephrol** 1987;54:134–43

Protein restriction in chronic renal failure: correlation between creatinine clearance and the reciprocal serum creatinine. Rosman JB, et al. **Contrib Nephrol** 1986;53:74–81

Two years' experience with protein restriction in chronic renal failure. Rosman JB, et al. **Contrib Nephrol** 1986; 53:109–20

Influence of low protein diet supplemented with amino acids and keto acids on the progression of chronic renal failure. Schmicker R, et al. **Contrib Nephrol** 1986;53:121–7

Acceptability of selected low–protein products for use in a potential diet therapy for chronic renal failure. Van Duyn MA. **J Am Diet Assoc** 1987 Jul;87(7):909–14

Dietary protein restriction in established renal injury in the rat. Selective role of glomerular capillary pressure in progressive glomerular dysfunction. Nath KA, et al. **J Clin Invest** 1986 Nov;78(5):1199–205

Effects of dietary phosphate restriction in children with chronic renal failure. McCrory WW, et al. **J Pediatr** 1987 Sep;111(3):410–2

Answers to ten questions on the dietary treatment of chronic renal failure: On behalf of the Steering Committee of the European Study Groups for the Conservative Treatment of Chronic Renal Failure. Giovannetti S. **Lancet** 1986 Nov 15;2(8516):1140–2

Is it necessary to deny patients with renal failure fruit–flavoured beverages? [letter] Heath PJ, et al. **Lancet** 1986 Dec 13;2(8520):1397

Dietary protein restriction in chronic renal failure [letter] el Nahas AM. **Lancet** 1987 Feb 7;1(8528):325

Beneficial effects of polyunsaturated fatty acids in partially nephrectomized rats. Barcelli UO, et al. **Prostaglandins** 1986 Aug;32(2):211–9

[Effect of low–protein diet including keto analogs of essential amino acids on lipid metabolism in patients with chronic renal insufficiency] Teplan V, et al. **Cas Lek Cesk** 1986 Nov 14;125(46):1412–6 (Eng. Abstr.) **(Cze)**

[Effect of keto analogs of essential amino acids on the progress of advanced chronic renal insufficiency: controlled prospective study] Chauveau P, et al. **Nephrologie** 1986;7(4):137–42 (Eng. Abstr.) **(Fre)**

[Use of keto analogs of amino acids in chronic renal insufficiency] Laouari D, et al. **Nephrologie** 1986;7(4):133–6 **(Fre)**

[Nutritional treatment in chronic renal insufficiency] Wauters JP. **Ther Umsch** 1986 Oct;43(10):748–51 (Eng. Abstr.) **(Fre)**

[Dietary protein and kidney diseases] Fürst P. **Verh Dtsch Ges Inn Med** 1986;92:737–43 **(Ger)**

[Current orientation in diet in chronic renal insufficiency] Nicolai A, et al. **Minerva Dietol Gastroenterol** 1986 Jul–Sep; 32(3):263–9 (Eng. Abstr.) **(Ita)**

[Chronic renal failure: present and future. Conservative treatment of chronic renal failure with special reference to the diet therapy] Hirata K. **Nippon Naika Gakkai Zasshi** 1986 Nov;75(11):1563–6 **(Jpn)**

[Diet in chronic renal insufficiency—current status] Serban V, et al. **Rev Med Interna [Med Interna]** 1987 Mar–Apr; 39(2):109–20 (Eng. Abstr.) **(Rum)**

DRUG THERAPY

Therapeutic implications of converting–enzyme inhibitors in renal disease. Anderson S, et al. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):81–7

Clinical effect of newly developed oral carbonaceous adsorbent (AST–120) in patients with advanced stages of

chronic glomerulonephritis. Tomino Y, et al. **Ann Acad Med Singapore** 1987 Jan;16(1):163–6

Carbacyclin derivative (CS-570). A new anticoagulant for hemodialysis. Suzuki T, et al. **ASAIO Trans** 1986 Jul–Sep; 32(1):291–6

Effect of extracts obtained from rhubarb in rats with chronic renal failure. Yokozawa T, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov;34(11):4718–23

Allopurinol in renal failure and the tumour lysis syndrome. Simmonds HA, et al. **Clin Chim Acta** 1986 Oct 31; 160(2):189–95

Long-term treatment with captopril in pediatric patients with severe hypertension and chronic renal failure. Callis L, et al. **Clin Exp Hypertens [A]** 1986;8(4–5):847–51

Effect of ibopamine on the progression of chronic renal failure. Docci D, et al. **Clin Nephrol** 1986 Sep;26(3):121–4

Pharmacokinetics and acute effect on the renin–angiotensin system of delapril in patients with chronic renal failure. Shionoiri H, et al. **Clin Nephrol** 1987 Feb;27(2):65–70

Effect of low-dose dopamine on kidney function and vasoactive hormones in pediatric patients with advanced renal failure. Tulassay T, et al. **Clin Nephrol** 1987 Jul; 28(1):22–7

Verapamil protects against progression of experimental chronic renal failure. Harris DC, et al. **Kidney Int** 1987 Jan;31(1):41–6

Effects of acute and chronic dosing of NSAIDs in patients with renal insufficiency. Toto RD, et al. **Kidney Int** 1986 Nov;30(5):760–8

Effects of angiotensin II and of angiotensin converting enzyme inhibition in chronic renal failure. Ledingham JG. **Kidney Int [Suppl]** 1987 May;20:S112–6 (67 ref.)

Oral calcium carbonate as phosphate-binder in infants and children with chronic renal failure. Alon U, et al. **Miner Electrolyte Metab** 1986;12(5–6):320–5

Verapamil improves defective duodenal calcium absorption in experimental chronic renal failure. Goligorsky MS, et al. **Miner Electrolyte Metab** 1986;12(5–6):363–70

Preservation of renal structure and function in the rat remnant kidney model of chronic renal failure by enalapril treatment. Jackson B, et al. **Pathology** 1987 Jan;19(1):38–42

The use of drugs in renal failure. Reed WE Jr, et al. **Semin Nephrol** 1986 Sep;6(3):259–95 (203 ref.)

[Treatment of chronic renal failure with traditional Chinese medicine. Follow-up of 90 cases] Chen YP. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Aug;6(8):465–7, 452 (Eng. Abstr.) **(Chi)**

[Treatment of chronic kidney failure by the keto-analogs of essential amino acids: 4 years' experience] Jungers P, et al. **Presse Med** 1987 Jun 6;16(21):1039–43 (Eng. Abstr.) **(Fre)**

[Conversion enzyme inhibitors in the antihypertensive treatment of patients with renal insufficiency] Reisch C, et al. **Dtsch Med Wochenschr** 1987 Aug 14;112(33):1249–52 (Eng. Abstr.) **(Ger)**

[An unusual case: hemorrhagic bullous pemphigoid following furosemide treatment] Ingber A, et al. **Z Hautkr** 1986 Nov 1;61(21):1554–6 (Eng. Abstr.) **(Ger)**

[Rhubarb therapy in patients with chronic renal failure (Part 2)] Mitsuma T, et al. **Nippon Jinzo Gakkai Shi** 1987 Feb; 29(2):195–207 (Eng. Abstr.) **(Jpn)**

ECONOMICS

The first DRG: lessons from the end stage renal disease program for the prospective payment system. Maxwell JH, et al. **Inquiry** 1987 Spring;24(1):57–67

Chronic Renal Disease Program. **Iowa Med** 1987 Feb; 77(2):85–7

Cost-effectiveness analysis of end-stage renal disease treatments. Garner TI, et al. **Med Care** 1987 Jan;25(1):25–34

Provider–patient relations and treatment choice in the era of fiscal incentives: the case of the end-stage renal disease program. Bovbjerg RR, et al. **Milbank Q** 1987; 65(2):177–202

[The cost of treating patients with chronic kidney failure] Balakirev EM, et al. **Sov Zdravookhr** 1987;(5):25–7 **(Rus)**

ENZYMOLOGY

Serum beta-N-acetyl hexosaminidase levels in chronic renal failure. Scapa E, et al. **Enzyme** 1986;36(3):207–11

Effects of chronic renal failure on the regulation of pyruvate kinase. Imai E, et al. **Metabolism** 1987 Jun;36(6):601–6

[Two cases of chronic renal failure on maintenance hemodialysis, presenting macro creatine kinase] Nakashima A, et al. **Nippon Jinzo Gakkai Shi** 1986 Jun;28(6):829–35 (Eng. Abstr.) **(Jpn)**

[Suppression of phosphofructokinase by sera from uremic patients] Takara S, et al. **Nippon Jinzo Gakkai Shi** 1986 Aug;28(8):1111–8 (Eng. Abstr.) **(Jpn)**

[Superoxide dismutase activity in red blood cell and lipid peroxides of red blood cell membrane and plasma of hemodialysis patients] Matsumoto J, et al. **Rinsho Byori** 1987 Mar;35(3):331–5 **(Jpn)**

ETHNOLOGY

Medical therapy for renal failure in blacks—urban US geographic perspectives. Dillard MG. **Transplant Proc** 1987 Apr;19(2 Suppl 2):63–6

Nursing care of the black renal patient—the role; challenge and reward. Dillard P. **Transplant Proc** 1987 Apr;19(2 Suppl 2):118–20

Kidney disease in blacks in North America—an overview. Hosten AO. **Transplant Proc** 1987 Apr;19(2 Suppl 2):5–8

ETIOLOGY

Caliceal clubbing and adjacent parenchymal scarring (always reflux nephropathy?) as a cause of end-stage renal failure. Thomsen HS, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Nov-Dec;27(6):705–10

Nephropathy–gonadal dysgenesis, type 2: renal failure in three siblings with XY dysgenesis in one. Kinberg JA, et al. **Am J Kidney Dis** 1987 Jun;9(6):507–10

A new model to study acute and chronic renal failure. Nesbitt JC, et al. **Am Surg** 1986 Dec;52(12):651–3

Amyloidosis secondary to juvenile rheumatoid arthritis: a case report from Saudi Arabia. Hamdan J, et al. **Ann Trop Paediatr** 1986 Dec;6(4):279–82

Prostanoids and renal failure. A hypothetical role for prostanoids in progressive renal disease. Kirschenbaum MA. **Contrib Nephrol** 1986;50:36–45

Early diabetic nephropathy: assessment and potential therapeutic interventions. Rosenstock J, et al. **Diabetes Care** 1986 Sep–Oct;9(5):529–45 (129 ref.)

Exposure to welding fumes and chronic renal diseases, a negative case–referent study. Hagberg M, et al. **Int Arch Occup Environ Health** 1986;58(3):191–5

Progression to end stage renal disease in post-streptococcal glomerulonephritis (PSGN)—Chandigarh Study. Chugh KS, et al. **Int J Artif Organs** 1987 May;10(3):189–94

Severe intrahepatic cholestasis and rapidly progressive renal failure in a patient with immunocyte-related amyloidosis. Skander MP, et al. **J Clin Gastroenterol** 1987 Apr; 9(2):219–22

Progressive renal disease: is the slippery slope species specific? Hostetter TH. **J Lab Clin Med** 1987 Apr; 109(4):375–7

Predictors of eventual end stage renal disease in children with posterior urethral valves. Tejani A, et al. **J Urol** 1986 Oct;136(4):857–60

A new method of inducing experimental chronic renal failure by cryosurgery. Kumano K, et al. **Kidney Int** 1986 Sep; 30(3):433–6

Schistosomal specific nephropathy leading to end-stage renal failure. Sobh MA, et al. **Kidney Int** 1987 Apr;31(4):1006–11

Diabetics and renal failure [letter] Paterson AD, et al. **Lancet** 1987 Apr 18;1(8538):922

Renal parenchymal involvement in essential hypertension. Schwartz GL, et al. **Med Clin North Am** 1987 Sep; 71(5):843–58 (104 ref.)

Multiple myeloma and severe renal failure: a clinicopathologic study of outcome and prognosis in 34 patients. Rota S, et al. **Medicine (Baltimore)** 1987 Mar; 66(2):126–37

Post-surgical deterioration of renal function in primary hyperoxaluria. Grateau G, et al. **Nephrol Dial Transplant** 1987;1(4):261–4

Long-term results of dialysis and transplantation in patients with end-stage renal failure from hypernephroma. Mandel J, et al. **Nephron** 1986;44(2):111–4

Evaluation and correlation of clinical and histological features of focal segmental glomerulosclerosis. Miyata J, et al. **Nephron** 1986;44(2):115–20

Pyelonephritis and reflux nephropathy. Tanagho EA. **Nippon Jinzo Gakkai Shi** 1986 Jul;28(7):860–73

Forms of nephrotic syndrome more likely to progress to renal impairment. Chesney RW, et al. **Pediatr Clin North Am** 1987 Jun;34(3):609–27 (91 ref.)

Gout and renal failure [letter] Keeton GR. **S Afr Med J** 1987 Jul 4;72(1):89

The Gordon Wilson lecture. Why kidneys fail: an unifying hypothesis. Brenner BM, et al. **Trans Am Clin Climatol Assoc** 1986;98:59–70 (76 ref.)

Poststreptococcal glomerulonephritis: how important is it as a cause of chronic renal diseases. Williams W. **Transplant Proc** 1987 Apr;19(2 Suppl 2):97–100

Renal failure and haemolysis caused by rifampicin [letter] van Assendelft AH. **Tubercle** 1986 Sep;67(3):234–5

[Chronic renal insufficiency in the child. Etiology, development and prognosis] Macher MA, et al. **Arch Fr Pediatr** 1986 Jun–Jul;43(6):401–6 (Eng. Abstr.) **(Fre)**

[Renal insufficiency indicative of lymphoma (letter)] Gentric A, et al. **Presse Med** 1987 Apr 4;16(12):591 **(Fre)**

[Kidney failure disclosing lymphoma (letter)] Gentric A, et al. **Presse Med** 1987 May 9;16(17):825 **(Fre)**

[Myeloma and renal insufficiency (editorial)] Schifferli JA. **Schweiz Rundsch Med Prax** 1986 Nov 4;75(45):1343–4 **(Fre)**

[Primary cancer of the parathyroid: a case with an unusual course] Zdrojewski Z, et al. **Pol Tyg Lek** 1987 Feb 23; 42(8):233–5 (Eng. Abstr.) **(Pol)**

[Clinical course of chronic renal failure in children with urinary tract defects treated surgically] Berny U, et al. **Wiad Lek** 1986 May 15;39(10):663–8 (Eng. Abstr.) **(Pol)**

[Cases of analgesic nephritis ending in chronic renal failure] Ni LI, et al. **Klin Med (Mosk)** 1987 Feb;65(2):121–3 **(Rus)**

[Chronic renal failure in calculous pyelonephritis in young children] Raupov AR, et al. **Pediatriia** 1987;(5):49–52 **(Rus)**

[Relation between changes in the central and peripheral hemodynamics of chronic glomerulonephritis patients and the degree of renal failure] Iakovlev GM, et al. **Vrach Delo** 1987 May;(5):31–3 (Eng. Abstr.) **(Rus)**

[Ultrasonography in the differentiation of renal insufficiency] Antalík J, et al. **Cesk Radiol** 1986 Aug;40(4):265–74 (Eng. Abstr.) **(Slo)**

[Noonan's syndrome with a multiple nephro-urologic disorder (letter)] Calero Fresneda M, et al. **Med Clin (Barc)** 1987 Apr 18;88(15):610–1 **(Spa)**

[Progression of thrombosis of the vena cava to the renal veins as an infrequent cause of terminal renal insufficiency (letter)] Soler Amigó J, et al. **Med Clin (Barc)** 1987 Feb 28;88(8):346 **(Spa)**

FAMILIAL & GENETIC

[Terminal renal failure in aniridia–Wilms syndrome] Wilms H, et al. **Klin Wochenschr** 1986 Sep 1;64(17):800–3 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

B-cell activation and immunoregulation in end-stage renal disease patients receiving hemodialysis. Raskova J, et al. **Arch Intern Med** 1987 Jan;147(1):89–93

Markers of HTLV-III in patients with end stage renal failure treated by haemodialysis [letter] Baillod RA, et al. **Br Med J [Clin Res]** 1986 Sep 27;293(6550):819

Markers of HTLV-III in patients with end stage renal failure [letter] Rodger RS, et al. **Br Med J [Clin Res]** 1986 Aug 30;293(6546):565

T lymphocyte subpopulations in chronic renal failure. Hou JS, et al. **Chin Med J [Engl]** 1986 Apr;99(4):321–2

Blood transfusion suppresses cutaneous cell-mediated immunity. Schot JD, et al. **Clin Exp Immunol** 1986 Aug; 65(2):336–44

Granulocyte activation during hemodialysis. Hörl WH, et al. **Clin Nephrol** 1986;26 Suppl 1:S30–4

T cells in patients undergoing chronic hemodialysis: mitogenic response, suppressor activity, and interleukin-2 production and receptor generation. Raskova J, et al. **Diagn Immunol** 1986;4(4):209–16

Immunosuppressive phenomena in chronic renal failure. Kumar M, et al. **J Indian Med Assoc** 1986 Nov;84(11):331–3

Effect of the dialysate on polymorphonuclear leucocytes function in CAPD [letter] Cecchin E, et al. **Nephrol Dial Transplant** 1987;2(3):191–2

Evaluation of the in vitro production of interferon gamma and other lymphokines in uremic patients. Yousefi S, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):179–85

Leukocyte abnormalities in renal failure and hemodialysis. Hammerschmidt DE, et al. **Semin Nephrol** 1985 Jun; 5(2):91–103

The evaluation and relevance of autolymphocytotoxic antibody in the highly presensitized patient. Ettenger R, et al. **Transplantation** 1987 Feb;43(2):302–4

[Evaluation of the delayed skin reaction in chronically ill children] Rister M, et al. **Klin Padiatr** 1986 Jul–Aug; 198(4):316–20 (Eng. Abstr.) **(Ger)**

[Study on the effect of hemodialysis on lymphocyte subpopulation during dialysis] Morita T. **Fukuoka Igaku Zasshi** 1987 Apr;78(4):129–36 (Eng. Abstr.) **(Jpn)**

[Epidemiological analysis of antibody to ATLA in chronic hemodialysis patients in Kumamoto Prefecture] Matsuita K, et al. **Nippon Jinzo Gakkai Shi** 1986 Nov;28(11):1507–13 (Eng. Abstr.) **(Jpn)**

[Activation of the complement system during hemodialysis] Tseitlina EA, et al. **Polim Med** 1986;16(3–4):149–59 (Eng. Abstr.) **(Rus)**

[Immune reactivity of patients with chronic kidney diseases] Karpov PF, et al. **Vrach Delo** 1986 Oct;(10):50–2 (Eng. Abstr.) **(Rus)**

[The ratio of the T lymphocyte subpopulation in patients on chronic hemodialysis] Ljaljević J, et al. **Glas Srp Akad Nauka [Med]** 1985;(37):109–16 (Eng. Abstr.) **(Sec)**

[Function of the monocyte Fc(IgG) receptor in uremic patients under periodic hemodialysis] Ruiz Alcantarilla P, et al. **Med Clin (Barc)** 1987 Feb 14;88(6):228–31 (Eng. Abstr.) **(Spa)**

[Hepatitis B virus in a hemodialysis unit] Guma CL, et al. **Medicina (B Aires)** 1985;45(5):491–5 (Eng. Abstr.) **(Spa)**

METABOLISM

Retrospective glycemic status of diabetic patients: glycosylation of blood proteins in diabetes and chronic renal failure. Kumari K, et al. **Acta Diabetol Lat** 1987 Apr–Jun;24(2):91–9

Aluminium and copper concentrations in hair and serum are unrelated in renal patients. Hewitt CD, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:442–5

Effects of the impairment of renal function and of the pH of gastric secretion on the efficacy of Al(OH)3 to reduce serum inorganic phosphorus. Barsotti G, et al. **Adv Exp Med Biol** 1986;208:493–9

Effect of diabetes mellitus and end-stage renal disease on HDL metabolism. Tan MH. **Adv Exp Med Biol** 1986; 201:51–9

Urinary kininogen: a possible regulator of kinin formation in normal individuals and subjects with essential hypertension, end-stage renal and liver disease. Weinberg MS, et al. **Adv Exp Med Biol** 1986;198 Pt A:119–25

Systemic absorption of oral vancomycin in patients with renal

insufficiency and antibiotic-associated colitis. Matzke GR, et al. **Am J Kidney Dis** 1987 May;9(5):422–5
Renal cortical uptake kinetics of gentamicin in rats with impaired renal function. Verpooten GA, et al. **Am J Kidney Dis** 1986 Nov;8(5):304–7
Zinc metabolism in patients on maintenance hemodialysis. Muirhead N, et al. **Am J Nephrol** 1986;6(6):422–6
Eicosanoids of platelets and vascular wall in chronic renal insufficiency. Sinzinger H, et al. **Am J Nephrol** 1987; 7(3):212–20
Na+–K+ pump in chronic renal failure. Kaji D, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F785–93 (86 ref.)
Pharmacokinetics of alfentanil in chronic renal failure. Chauvin M, et al. **Anesth Analg** 1987 Jan;66(1):53–6
Morphine pharmacokinetics in renal failure. Chauvin M, et al. **Anesthesiology** 1987 Mar;66(3):327–31
Pharmacokinetics of teicoplanin in renal failure. Falcoz C, et al. **Antimicrob Agents Chemother** 1987 Aug;31(8):1255–62
Ofloxacin pharmacokinetics in renal failure. Fillastre JP, et al. **Antimicrob Agents Chemother** 1987 Feb;31(2):156–60
Pharmacokinetics of habekacin in patients with renal insufficiency. Fillastre JP, et al. **Antimicrob Agents Chemother** 1987 Apr;31(4):575–7
Pharmacokinetics of cefixime (CL 284,635; FK 027) in healthy subjects and patients with renal insufficiency. Guay DR, et al. **Antimicrob Agents Chemother** 1986 Sep; 30(3):485–90
Pharmacokinetics of cefmenoxime in patients with impaired renal function and in those undergoing hemodialysis. Konishi K. **Antimicrob Agents Chemother** 1986 Dec; 30(6):901–5
Peritoneal urea and creatinine clearance in non insulin dependent diabetes mellitus. López PC, et al. **Arch Invest Med (Mex)** 1986 Apr–Jun;17(2):177–85 **(Eng, Spa)**
Pharmacokinetics and dose recommendations of carumonam in renal failure. Koeppe P, et al. **Arzneimittelforschung** 1987 Jan;37(1):65–9
Trace elements in dialysis patients. Berlyne GM, et al. **ASAIO Trans** 1986 Oct–Dec;32(2):662–70
Daily clearances with continuous ambulatory peritoneal dialysis and nightly peritoneal dialysis. Twardowski ZJ, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):575–80
Ceforanide pharmacokinetics in haemodialysis: the effect of ultrafiltration. Lanao JM, et al. **Biopharm Drug Dispos** 1986 Jul–Aug;7(4):335–46
Pharmacokinetics of atracurium and its metabolites in patients with normal renal function, and in patients in renal failure. Ward S, et al. **Br J Anaesth** 1987 Jun;59(6):697–706
Quantitative and qualitative binding characteristics of disopyramide in serum from patients with decreased renal and hepatic function. Pedersen LE, et al. **Br J Clin Pharmacol** 1987 Jan;23(1):41–6
Influence of accompanying anion on intestinal radiocalcium absorption. Marchandise X, et al. **Calcif Tissue Int** 1987 Jan;40(1):8–11
Pharmacokinetics of cefotaxime after a single intravenous dose in patients with impaired renal function. Moukhtar I, et al. **Chemioterapia** 1987 Feb;6(1):38–40
Pharmacokinetics of a single oral dose of ofloxacin in patients with renal failure. Nawishy S, et al. **Chemioterapia** 1986 Dec;5(6):391–3
Changes in erythromycin pharmacokinetics induced by renal failure. Kanfer A, et al. **Clin Nephrol** 1987 Mar;27(3):147–50
Studies on glucose intolerance in chronic renal failure: estimation of insulin sensitivity before and after initiation of hemodialysis. Oshida Y, et al. **Clin Nephrol** 1987 Jul; 28(1):35–8
Teicoplanin pharmacokinetics in patients with chronic renal failure. Bonati M, et al. **Clin Pharmacokinet** 1987 Apr; 12(4):292–301
Influence of haemodialysis on the pharmacokinetics and haemodynamic effects of nifedipine during continuous intravenous infusion. Kleinbloesem CH, et al. **Clin Pharmacokinet** 1986 Jul–Aug;11(4):316–22
Pharmacokinetics and effect on blood pressure of doxazosin in normal subjects and patients with renal failure. Carlson RV, et al. **Clin Pharmacol Ther** 1986 Nov;40(5):561–6
Biotransformation of sulindac in end-stage renal disease. Gibson TP, et al. **Clin Pharmacol Ther** 1987 Jul;42(1):82–8
Extrarenal synthesis of 1,25-dihydroxyvitamin D: sensitivity to glucocorticoid treatment. Adami S, et al. **Clin Sci** 1987 Mar;72(3):329–34
Enhanced rectal potassium secretion in chronic renal insufficiency: evidence for large intestinal potassium adaptation in man. Sandle GI, et al. **Clin Sci** 1986 Oct; 71(4):393–401
Biochemistry of hospital nutrition. Special cases. Fellows IW. **Contemp Issues Clin Biochem** 1986;4:159–76 (70 ref.)
Hormonal and metabolic derangements in renal failure. **Contrib Nephrol** 1986;50:1–216
Abnormalities in amino acid metabolism in patients with chronic renal failure. A pathophysiological approach to the nutritional treatment. II. Studies after amino acid ingestion. Deferrari G, et al. **Contrib Nephrol** 1987;55:11–9 (27 ref.)
Influence of vitamin D or its metabolites on the rate of progression of chronic renal failure. Froehling PT, et al. **Contrib Nephrol** 1986;53:64–70
Partial correction of lipid disturbances by insulin in experimental renal failure. Roullet JB, et al. **Contrib Nephrol** 1986;50:203–10
Abnormalities in amino acid metabolism in patients with chronic renal failure. A pathophysiological approach to the nutritional treatment. I. Studies in the postabsorptive state. Tizianello A, et al. **Contrib Nephrol** 1987;55:1–10 (18 ref.)
Changes of pharmacokinetic in rats after bilateral nephrectomy--a model for prediction of pharmacokinetic changes in patients with chronic renal insufficiency. Morávek J, et al. **Czech Med** 1986;9(3):153–6
Effect of renal failure or portacaval shunt on release of neurotensin in man. Eaves ER, et al. **Dig Dis Sci** 1987 Jan; 32(1):28–32
Dialyzability and pharmacokinetics of indomethacin in adult patients with end-stage renal disease. Skoutakis VA, et al. **Drug Intell Clin Pharm** 1986 Dec;20(12):956–60
A pharmacokinetic study of prazosin in patients with varying degrees of chronic renal failure. Lameire N, et al. **Eur J Clin Pharmacol** 1986;31(3):333–7
The influence of haemodialysis and haemofiltration on the clearance of torasemide in renal failure. Loute G, et al. **Eur J Clin Pharmacol** 1986;31 Suppl:53–5
Kinetics of morphine in patients with renal failure. Säwe J, et al. **Eur J Clin Pharmacol** 1987;32(4):377–82
Pharmacokinetics of ciprofloxacin tablets in renal failure; influence of haemodialysis. Singlas E, et al. **Eur J Clin Pharmacol** 1987;31(5):589–93
Tryptophan distribution and metabolism in experimental chronic renal insufficiency. Holmes EW, et al. **Exp Mol Pathol** 1987 Feb;46(1):89–101
Mineral status in children with end stage renal failure. Chesney RW. **Int J Artif Organs** 1986 Nov;9(6):369–76
Pharmacokinetics of mecillinam after a single intravenous dose in patients with impaired renal function. Moukhtar I, et al. **Int J Clin Pharmacol Res** 1987;7(1):59–62
Disposition kinetics of dibekacin in normal subjects and in patients with renal failure. Arancibia A, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Jan;25(1):38–43
The effect of hemodialysis on piperacillin pharmacokinetics. Heim-Duthoy KL, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Dec;24(12):680–4
Relationship between renal clearance of drugs and glomerular filtration rate in patients with chronic renal insufficiency. Schiick O, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Apr;23 Suppl 1:S42–7
Pharmacokinetics of cefotetan in patients with end-stage renal failure on maintenance dialysis. Browning MJ, et al. **J Antimicrob Chemother** 1986 Jul;18(1):103–6
Pharmacokinetics and tolerance after repeated doses of imipenem/cilastatin in patients with severe renal failure. Verbist L, et al. **J Antimicrob Chemother** 1986 Dec;18 Suppl E:115–20
Pharmacokinetics of single dose intravenous vancomycin in CAPD peritonitis. Whitby M, et al. **J Antimicrob Chemother** 1987 Mar;19(3):351–7
Alprazolam kinetics in patients with renal insufficiency. Ochs HR, et al. **J Clin Psychopharmacol** 1986 Oct;6(5):292–4
Pharmacokinetics and biliary excretion of rose bengal in rats with acute and chronic renal failure. Silberstein DJ, et al. **J Pharm Pharmacol** 1987 May;39(5):395–8
Enantioselective disposition of 2-arylpropionic acid nonsteroidal anti-inflammatory drugs. IV. Ketoprofen disposition. Abas A, et al. **J Pharmacol Exp Ther** 1987 Feb; 240(2):637–41
Energy expenditure in patients with chronic renal failure. Monteon FJ, et al. **Kidney Int** 1986 Nov;30(5):741–7
Mechanism of enhanced transcellular potassium-secretion in man with chronic renal failure. Panese S, et al. **Kidney Int** 1987 Jun;31(6):1377–82
Augmented aldosterone and insulin responses to potassium infusion in dogs with renal failure. Tuck ML, et al. **Kidney Int** 1986 Dec;30(6):883–90
Hemodialysate composition and intradialytic metabolic, acid–base and potassium changes. Ward RA, et al. **Kidney Int** 1987 Jul;32(1):129–35
Chronic renal failure and magnesium metabolism. Lindeman RD. **Magnesium** 1986;5(5–6):293–300
Reduced binding of [3H]1,25-dihydroxyvitamin D3 in the parathyroid glands of patients with renal failure. Korkor AB. **N Engl J Med** 1987 Jun 18;316(25):1573–7
Vitamin D, parathyroid hormone, and renal failure [editorial] Sherwood LM. **N Engl J Med** 1987 Jun 18;316(25):1601–3
Increased sweat sulfate concentrations in chronic renal failure. Cole DE, et al. **Nephron** 1986;44(2):92–5
Creatinine clearance in chronic renal failure. Comparison of direct measurement and calculation from serum creatinine [letter] Deray G, et al. **Nephron** 1987;47(1):74
Dynamic aspects of whole-body nitrogen metabolism in uremic patients on dietary therapy. Hou JC, et al. **Nephron** 1986;44(4):288–94
Aluminum accumulation in the skin in end-stage renal failure. Ichimaru K, et al. **Nephron** 1987;46(3):239–42
Plasma and pituitary content of growth hormone luteinizing hormone, and prolactin in uremic rats. Effects of chronic infusion of insulin. Lacour B, et al. **Nephron** 1986; 44(3):235–9
Oxalate dynamics in chronic renal failure. Comparison with normal subjects and patients with primary hyperoxaluria. Morgan SH, et al. **Nephron** 1987;46(3):253–7
Procainamide pharmacokinetics in patients on continuous ambulatory peritoneal dialysis. Raehl CL, et al. **Nephron** 1986;44(3):191–4
Influence of renal and hepatic function on pharmacodynamics and pharmacokinetics of non-depolarizing muscle relaxants. Booij LH. **Pharm Weekbl [Sci]** 1987 Apr 24; 9(2):56–60 (37 ref.)
Porphyrin studies in chronic renal failure patients on maintenance hemodialysis. Anderson CD, et al. **Photodermatol** 1987 Feb;4(1):14–22
Assessment of bone mineral content in patients with chronic renal failure. Gava A, et al. **Rays** 1986 Sep–Dec;11(3):67–70
Proton magnetic resonance in experimental acute and chronic renal failure in rats. Abrashkin S, et al. **Ren Fail** 1987; 10(1):21–7
Uremic acidosis and intracellular buffering. Del Canale S, et al. **Scand J Urol Nephrol** 1986;20(4):301–6
Prevention and treatment of the abnormalities in divalent ion metabolism in renal failure. Massry SG. **Semin Nephrol** 1986 Jun;6(2):114–21 (58 ref.)
Modification of drug doses in renal failure. Leslie BR. **Semin Urol** 1985 Aug;3(3):200–3 (8 ref.)
Pharmacokinetics of clavulanic acid–potentiated ticarcillin in renal failure. Watson ID, et al. **Ther Drug Monit** 1987 Jun;9(2):139–47
[Whole-body protein turnover and plasma glycine kinetics in chronic renal failure before and after treatment with essential amino acids] Jiang J. **Chung Hua I Hsueh Tsa Chih** 1987 Mar;67(3):147–9 **(Chi)**
[Regular monitoring of the levels of protein catabolism and phenols in chronic renal insufficiency] Erben J, et al. **Cas Lek Cesk** 1986 Aug 22;125(34):1060–4 (Eng. Abstr.) **(Cze)**
[The toxicity of aluminum in chronic renal failure] Sulková S, et al. **Cas Lek Cesk** 1986 Dec 5;125(49):1500–4 (Eng. Abstr.) **(Cze)**
[Pharmacokinetics of anti-hypertensive drugs in renal failure] Hannedouche T, et al. **Nephrologie** 1986;7(3):94–103 (74 ref.) (Eng. Abstr.) **(Fre)**
[Oral galactose loading in characterizing the elimination and metabolizing performance of the liver in chronic renal failure] Otting U, et al. **Z Urol Nephrol** 1987 Jun; 80(6):341–7 (Eng. Abstr.) **(Ger)**
[Intracellular buffering and chronic acidotic states. Findings in hypercapnic respiratory insufficiency and renal failure] Guariglia A, et al. **Recenti Prog Med** 1986 Oct; 77(10):447–51 (Eng. Abstr.) **(Ita)**
[Pharmacokinetics of cis-dichlorodiammine platinum (II) in patients undergoing hemodialysis] Miyakawa M, et al. **Gan To Kagaku Ryoho** 1987 Aug;14(8):2491–5 (Eng. Abstr.) **(Jpn)**
[Pharmacokinetics of cefoperazone in end-stage renal failure patients on peritoneal dialysis] Okuda T, et al. **Jpn J Antibiot** 1986 Oct;39(10):2775–9 (Eng. Abstr.) **(Jpn)**
[Human and animal studies on the pharmacokinetics of norfloxacin in renal failure] Shimada J, et al. **Jpn J Antibiot** 1986 Oct;39(10):2643–50 (Eng. Abstr.) **(Jpn)**
[Chronic renal failure: present and future. Pathophysiology and metabolic abnormalities—body fluid homeostasis] Kato E, et al. **Nippon Naika Gakkai Zasshi** 1986 Nov; 75(11):1559–62 **(Jpn)**
[Chronic renal failure: present and future. Pathophysiology and metabolic abnormalities--uremic toxin, small molecular compounds] Orita Y, et al. **Nippon Naika Gakkai Zasshi** 1986 Nov;75(11):1545–9 **(Jpn)**
[Role of gastric luminal ammonia in the pathogenesis of gastric mucosal lesions in subjects with chronic renal failure] Murakami M. **Nippon Shokakibyo Gakkai Zasshi** 1987 Jan;84(1):125 **(Jpn)**
[Serum and urinary pancreatic secretory trypsin inhibitor concentration in patients with chronic renal failure] Oka T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Aug; 83(8):1509–14 (Eng. Abstr.) **(Jpn)**
[Abnormality of lipid metabolism in patients on continuous ambulatory peritoneal dialysis (CAPD)] Saito E, et al. **Rinsho Byori** 1986 Sep;34(9):1083–7 **(Jpn)**
[Effect of naloxone on insulin and glucagon secretion in patients with chronic renal failure] Grzeszczak W, et al. **Pol Arch Med Wewn** 1986 May;75(5):336–43 (Eng. Abstr.) **(Pol)**
[Chronic renal failure as a factor modifying drug metabolism in the body] Orzechowska-Juzwenko K, et al. **Pol Tyg Lek** 1986 Dec 22–29;41(51–52):1638–40 **(Pol)**
[Determinative technics of plasma and salivary cortisol in patients with chronic nephropathies in hemodialysis programs] Machado CE, et al. **AMB** 1986 Mar–Apr; 32(3–4):42–6 (Eng. Abstr.) **(Por)**
[Changes in the indices of lipid metabolism in patients with chronic kidney insufficiency on programmed hemodialysis] Savchenko RP, et al. **Lab Delo** 1986;(12):717–9 (Eng. Abstr.) **(Rus)**
[Hypergastrinemia in patients with renal insufficiency in chronic hemodialysis] Hurtado C, et al. **Rev Med Chil** 1986 Mar;114(3):211–4 (Eng. Abstr.) **(Spa)**

MORTALITY

Improved survival in multiple myeloma with renal failure. Wahlin A, et al. **Acta Med Scand** 1987;221(2):205–9
Chronic haemodialysis. Abu Bakar Suleiman, et al. **Med J Malaysia** 1985 Sep;40(3):239–42
Prognostic factors, models and related statistical problems

in the survival of endstage renal disease patients on hemodialysis. Umen AJ, et al. **Stat Med** 1986 Nov–Dec; 5(6):637–52

[Statistical analyses on over ten years survivals in Hokkaido under chronic dialysis therapy] Ohira S, et al. **Hokkaido Igaku Zasshi** 1986 Nov;61(6):961–8 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Trends in the US end–stage renal disease population: 1973–1983. Rosansky SJ, et al. **Am J Kidney Dis** 1987 Feb; 9(2):91–7

The epidemiology of end–state renal disease: the six–year South–Central Los Angeles experience, 1980–85. Ferguson R, et al. **Am J Public Health** 1987 Jul;77(7):864–5

End–stage renal disease among the Zuni Indians: 1973–1983. Pasinski R, et al. **Arch Intern Med** 1987 Jun;147(6):1093–6

Diabetes and end–stage renal failure [letter] Catalano C, et al. **Lancet** 1987 May 23;1(8543):1201

End–stage renal failure in diabetes [letter] Scott SJ, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1466–7

Renal failure in children of tropical West Africa. Reindorf CA. **Transplant Proc** 1987 Apr;19(2 Suppl 2):101–4

PATHOLOGY

Skeletal mass in long term hemodialysis patients. Letteri J, et al. **Adv Exp Med Biol** 1986;208:305–11

Recurrent membranoproliferative glomerulonephritis type 1 in successive renal transplants. Glicklich D, et al. **Am J Nephrol** 1987;7(2):143–9

Pathological renal changes in epidemic hemorrhagic fever accompanied by chronic renal failure in one case. Yan PS, et al. **Chin Med J [Engl]** 1986 Jun;99(6):503–6

Cardiovascular lesions in experimental acute and chronic renal failure in the rat. Rhodes GC, et al. **Exp Pathol** 1987; 31(4):221–9

Role of amount and nature of carbohydrates in the course of experimental renal failure. Kleinknecht C, et al. **Kidney Int** 1986 Nov;30(5):687–93

Corneo–conjunctival changes in chronic renal failure. Bhatia R, et al. **Kobe J Med Sci** 1986 Aug;32(4):133–40

Microangiopathic changes of subepidermal capillaries in end–stage renal failure. Ichimaru K, et al. **Nephron** 1987; 46(2):144–9

Normocalcaemic nephrocalcinosis in sarcoidosis. O'Reilly DP, et al. **Nephron** 1987;45(2):165–6

Animal model of adenine–induced chronic renal failure in rats. Yokozawa T, et al. **Nephron** 1986;44(3):230–4

Adenocarcinoma of the kidney in chronic hemodialysis patients in Japan––nationwide questionnaire study and review of case reports. Ishikawa I. **Nippon Jinzo Gakkai Shi** 1986 Sep;28(9):1299–303

Reversible renal failure in focal glomerular sclerosis. Nagase S, et al. **Nippon Jinzo Gakkai Shi** 1986 Sep;28(9):1197–203

Immunohistochemical study on binding sites of synthetic rat–atrial natriuretic peptide in nephron–reduced rats. Nitta K, et al. **Nippon Jinzo Gakkai Shi** 1986 Sep;28(9):1245–8

[Terminal renal failure caused by interstitial nephritis following mushroom poisoning by Cortinarius speciocissimus] Nolte S, et al. **Monatsschr Kinderheilkd** 1987 May;135(5):280–1 (Eng. Abstr.) **(Ger)**

[Decompensated benign nephrosclerosis––a forgotten disease] Bohle A, et al. **Pathologe** 1987 Jan;8(1):37–41 **(Ger)**

[Histochemical localization of aluminum deposits in bones and their relation to the clinical and histomorphometric findings in patients with chronic renal failure] Stein G, et al. **Z Urol Nephrol** 1986 Oct;79(10):577–86 (Eng. Abstr.) **(Ger)**

[Morphometric and histochemical studies of the skeletal muscles of patients with chronic renal failure and dialysis patients] Stein G, et al. **Z Urol Nephrol** 1986 Oct; 79(10):559–67 (Eng. Abstr.) **(Ger)**

[Quantitative pathomorphological findings in chronic glomerulonephritis at autopsy: characterization of the grade of renal insufficiency for correlation studies] Wolf E, et al. **Zentralbl Allg Pathol** 1986;132(5–6):515–22 (Eng. Abstr.) **(Ger)**

[Nephropathy caused by deposition of monoclonal light chains. Presentation of 4 cases] Picazo ML, et al. **Med Clin (Barc)** 1986 Nov 15;87(16):675–80 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Growth hormone response to growth hormone–releasing hormone in normal and uraemic children. Comparison with hypoglycaemia following insulin administration. Bessarione D, et al. **Acta Endocrinol (Copenh)** 1987 Jan;114(1):5–11

Effect of naloxone on PTH and calcitonin secretion and 25–hydroxy–vitamin D concentration in chronic renal failure. Grzeszczak W, et al. **Acta Med Pol** 1986; 27(1–2):67–75

Effects of experimental renal insufficiency on the osmotic pressure and the biochemical composition of perilymph. Urquiza R, et al. **Acta Otolaryngol (Stockh)** 1986 Sep–Oct; 102(3–4):234–8

Effects of nonsteroidal antiinflammatory drugs on renal function in patients with renal insufficiency and in cirrhotics. Brater DC, et al. **Am J Kidney Dis** 1986 Nov; 8(5):351–5

Reproductive function in patients with renal insufficiency. Lim VS. **Am J Kidney Dis** 1987 Apr;9(4):363–7 (13 ref.)

Abnormalities in the hypothalamic–pituitary–adrenocortical axis in patients with chronic renal failure. Luger A, et al. **Am J Kidney Dis** 1987 Jan;9(1):51–4

Immediate hemodynamic response to furosemide in patients undergoing chronic hemodialysis. Schmieder RE, et al. **Am J Kidney Dis** 1987 Jan;9(1):55–9

Effects of tertatolol in hypertensive patients with chronic renal failure. Beaufils M, et al. **Am J Nephrol** 1986;6 Suppl 2:50–4

Effects of nitrendipine in patients with chronic renal failure. Dal Canton A, et al. **Am J Nephrol** 1986;6 Suppl 1:162–4

Oral mannitol in control of fluid balance. Poulton A, et al. **Arch Dis Child** 1987 Jul;62(7):729–31

Minimum performance standards for double–lumen subclavian cannulas for hemodialysis. Bregman H, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):500–2

Rapid blood flow short dialysis does not adversely affect clinical, biochemical, or nutritional status of patients. Rubin JE, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):377–8

Pulsatility of luteinising hormone in men with chronic renal failure: abnormal rather than absent. Wheatley T, et al. **Br Med J** 1987 Feb 21;294(6570):482

Quantitative EEG: investigation in children with end stage renal disease before and after haemodialysis. Balzar E, et al. **Clin Electroencephalogr** 1986 Oct;17(4):195–202

Secretion and catabolism of antidiuretic hormone in renal failure. Ardaillou R, et al. **Contrib Nephrol** 1986;50:46–53

Vasopressin and hyponatremia in renal insufficiency. Gross P, et al. **Contrib Nephrol** 1986;50:54–63

Thyroid function in renal failure. Kaptein EM. **Contrib Nephrol** 1986;50:64–72

Gonadal function in patients with acute and chronic renal failure. Kokot F, et al. **Contrib Nephrol** 1986;50:130–8

Conflicting results between glomerular filtration rate and serum creatinine measurements in chronic renal failure. Mathillas O, et al. **Contrib Nephrol** 1986;53:71–3

Potentials and limitations of diagnostic measures in assessing left ventricular function in patients with end–stage renal failure. Thormann J. **Contrib Nephrol** 1986;52:10–26

Effects of carnitine administration in patients with chronic renal failure undergoing periodic dialysis, evaluated by computerized electromyography. Rocchi L, et al. **Drugs Exp Clin Res** 1986;12(8):707–11

Blink reflex in patients submitted to chronic periodical hemodialysis. Stamboulis E, et al. **Electromyogr Clin Neurophysiol** 1987 Feb;27(1):19–23

Pharmacology of vecuronium in patients with end–stage renal failure. Meistelman C, et al. **Eur J Anaesthesiol** 1986 Mar;3(2):153–8

Aldosterone responsiveness to an acute potassium load in diabetes mellitus and chronic renal insufficiency. Perez GO, et al. **Horm Res** 1987;27(1):30–5

The uremic syndrome: adaptive mechanisms and therapy. Fine LG. **Hosp Pract [Off]** 1987 Sep 15;22(9):63–73

Physical work capacity in chronic renal disease. Kettner–Melsheimer A, et al. **Int J Artif Organs** 1987 Jan; 10(1):23–30

Renal failure and thyroid function. Lim VS. **Int J Artif Organs** 1986 Nov;9(6):385–6

Taste perception of children with chronic renal failure. Shapera MR, et al. **J Am Diet Assoc** 1986 Oct; 86(10):1359–62, 1365

The functional status of ESRD patients as measured by the Sickness Impact Profile. Hart LG, et al. **J Chronic Dis** 1987;40 Suppl 1:117S–136S

Relationship between changes in R wave voltage and cardiac volumes. A vectorcardiographic study during hemodialysis. Vitolo E, et al. **J Electrocardiol** 1987 Apr; 20(2):138–46

Beneficial effect of moderate protein restriction on growth, renal function and survival in young rats with chronic renal failure. Friedman AL, et al. **J Nutr** 1986 Dec; 116(12):2466–77

Growth and development in infants after renal transplantation. So SK, et al. **J Pediatr** 1987 Mar; 110(3):343–50

Chronic renal failure in the rat. A surgical model for long–term toxicological studies. Acott PD, et al. **J Pharmacol Methods** 1987 Aug;18(1):81–8

Left ventricular performance in cases with chronic renal failure. A study of systolic time intervals. Chopra JS, et al. **Jpn Heart J** 1987 Jan;28(1):35–40

The importance of plasma protein for blood volume and blood pressure homeostasis. Koomans HA, et al. **Kidney Int** 1986 Nov;30(5):730–5

Atrial natriuretic hormone secretion in patients with renal failure. Shenker Y, et al. **Life Sci** 1987 Sep 28; 41(13):1635–44

Spectral analysis of fluctuations in heart rate: an objective evaluation of autonomic nervous control in chronic renal failure. Axelrod S, et al. **Nephron** 1987;45(3):202–6

Carotid artery atherosclerotic disease assessed by flow velocity wave form analysis in hemodialyzed normotensive and hypertensive patients. Bernardi D, et al. **Nephron** 1986; 44(3):180–5

Effect of experimental uremia upon the estrous cycle in rats. da Costa e Silva A, et al. **Nephron** 1987;47(1):70–2

The effect of a high protein intake on renal function of patients with chronic renal insufficiency. Schaap GH, et al. **Nephron** 1987;47(1):1–6

Tubuloglomerular feedback in chronic renal failure. Slomowitz L. **Nephron** 1987;45(4):264–71 (98 ref.)

Parasympathetic function in haemodialysis patients. Zoccali C, et al. **Nephron** 1986;44(4):351–4

Effects of haemodialysis on heart rate variability in chronic renal failure. Forsström J, et al. **Scand J Clin Lab Invest** 1986 Nov;46(7):665–70

The hemodynamic basis of progressive renal disease. Dunn BR, et al. **Semin Nephrol** 1986 Jun;6(2):122–38 (238 ref.)

Thyroid–gonad relationship in chronic renal failure. Parshad O, et al. **West Indian Med J** 1986 Dec;35(4):301–5

Need kidneys fail? [editorial] Brenner BM. **West J Med** 1986 Oct;145(4):612–3

Hemodynamics and pathophysiology of hypertension in different stages of chronic renal parenchymal disease. Kim KE. **Yonsei Med J** 1986;27(3):178–99

[EEG spectral analysis in chronic renal insufficiency] Kuba M, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1985; 28(3–4):245–88 (Eng. Abstr.) **(Cze)**

[Relation between the results of EEG spectral analysis and biochemical findings in dialyzed patients] Kuba M, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1984; 27(4):395–405 (Eng. Abstr.) **(Cze)**

[Treatment of multiple myeloma. Chemotherapy in primary and secondary therapeutic failure in renal failure] Pflüger KH, et al. **Med Klin** 1987 Jan 16;82(1):16–22 (Eng. Abstr.) **(Ger)**

[Secretory performance of eccrine sweat glands from the nephrologic viewpoint] Koban F, et al. **Z Gesamte Inn Med** 1987 May 1;42(9):242–5 (Eng. Abstr.) **(Ger)**

[Experimental animal studies of compensatory renal adaptation of residual nephrons in physical stress caused by daily swim training] Sponholz F, et al. **Z Urol Nephrol** 1986 Aug;79(8):465–71 (Eng. Abstr.) **(Ger)**

[Parathyroidectomy and the development of renal insufficiency] Bedani PL, et al. **Minerva Urol Nefrol** 1986 Oct–Dec;38(4):431–3 (Eng. Abstr.) **(Ita)**

[The modifications of dietary protein and administration of oral adsorbent AST–120 in chronic renal failure in rats] Kumano K, et al. **Nippon Jinzo Gakkai Shi** 1987 Feb; 29(2):185–94 (Eng. Abstr.) **(Jpn)**

[Chronic renal failure: present and future. Pathophysiology and metabolic abnormalities––myocardial lesions, cardiac function and arrhythmias in patients on maintenance hemodialysis] Taniguchi K, et al. **Nippon Naika Gakkai Zasshi** 1986 Nov;75(11):1530–5 **(Jpn)**

[Changes in the taste threshold in patients with chronic renal failure, non–dialysed and treated by peritoneal dialysis and hemodialysis] Marczewski K, et al. **Pol Arch Med Wewn** 1986 Jun;75(6):402–7 (Eng. Abstr.) **(Pol)**

[Characteristics of carbohydrate metabolic disorders and of the secretion of insulin, glucagon and somatotropin in patients with chronic glomerulonephritis and chronic kidney failure] Trusov VV, et al. **Ter Arkh** 1986;58(8):13–8 (Eng. Abstr.) **(Rus)**

[Hyperfiltration and course of renal failure] Labonia WD. **Medicina (B Aires)** 1986;46(6):742–50 **(Spa)**

PREVENTION & CONTROL

Cytotoxic drug treatment of reactive amyloidosis in rheumatoid arthritis with special reference to renal insufficiency. Ahlmen M, et al. **Clin Rheumatol** 1987 Mar; 6(1):27–38

Reduced albuminuria after dietary protein restriction in insulin–dependent diabetic patients with clinical nephropathy. Ciavarella A, et al. **Diabetes Care** 1987 Jul–Aug;10(4):407–13

PSYCHOLOGY

Family adjustment to pediatric ambulatory dialysis. LePontois J, et al. **Am J Orthopsychiatry** 1987 Jan; 57(1):78–83

Adherence to medical regime and related factors in youngsters on dialysis. Hudson J, et al. **Br J Clin Psychol** 1987 Feb;26 (Pt 1):61–2

Living with chronic renal failure. Reynolds JM, et al. **Child Care Health Dev** 1986 Nov–Dec;12(6):401–7

Measurement of quality of life in end–stage renal disease: the time trade–off approach. Churchill DN, et al. **Clin Invest Med** 1987 Jan;10(1):14–20

Transplant failure does not compromise quality of life in end–stage renal disease. Binik YM, et al. **Int J Psychiatry Med** 1986–87;16(3):281–92

The relationship of social support to psychological adjustment in end–stage renal disease patients. Siegal BR, et al. **J Chronic Dis** 1987;40(4):337–44

Psychiatric complications with chronic hemodialysis––importance of psychological and social care. Kaneko S, et al. **Jpn J Psychiatry Neurol** 1986 Dec; 40(4):559–70

Depressive symptomatology and treatment in patients with end–stage renal disease. Hong BA, et al. **Psychol Med** 1987 Feb;17(1):185–90

Noncompliance in younger adults on hemodialysis. Gonsalves–Ebrahim L, et al. **Psychosomatics** 1987 Jan; 28(1):34–41

RADIOGRAPHY

Spontaneous subcapsular and perinephric hemorrhage in end-stage kidney disease: clinical and CT findings. Levine E, et al. **AJR** 1987 Apr;148(4):755–8

Breast calcifications in renal hyperparathyroidism. Sommer G, et al. **AJR** 1987 May;148(5):855–7

Vertebral erosions in patients undergoing maintenance hemodialysis for chronic renal failure. Sundaram M, et al. **AJR** 1987 Aug;149(2):323–7

Tubular nephrotoxicity after intravenous urography with ionic high-osmolal and nonionic low-osmolal contrast media in patients with chronic renal insufficiency. Cavaliere G, et al. **Nephron** 1987;46(2):128–33

Urography in children with renal failure using different contrast media. Sarperi M, et al. **Rays** 1985 Jan–Apr; 10(1):23–30

Diagnostic role of intravenous urography in acute and chronic renal failure. Keeton GR, et al. **Urol Radiol** 1986; 8(2):72–6

Bladder mucosal tears during voiding cystourethrography in chronic renal failure. Matsumoto AH, et al. **Urol Radiol** 1986;8(2):81–4

[Diagnostic contribution of direct pyelography in patients with advanced kidney failure] Prát V, et al. **Cas Lek Cesk** 1987 Apr 24;126(17):531–3 (Eng. Abstr.) **(Cze)**

[Arterial calcifications of the hand: normal aging and the course in chronic dialysis patients] Fischer E. **Radiologe** 1987 Mar;27(3):135–9 (Eng. Abstr.) **(Ger)**

[Prevalence of arterial hypertension in patients with radiologic signs of chronic pyelonephritis] Kes P, et al. **Z Urol Nephrol** 1986 Aug;79(8):473–80 (Eng. Abstr.) **(Ger)**

[Efficacy of intra-arterial digital subtraction angiography in patients with chronic renal failure] Nakamura K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Jul 25; 46(7):953–5 (Eng. Abstr.) **(Jpn)**

REHABILITATION

Functional status of patients with end-stage renal disease. Carlson DM, et al. **Mayo Clin Proc** 1987 May;62(5):338–44

Kidney transplant rehabilitation at Howard University Hospital: a retrospective analysis. Flores JC, et al. **Transplant Proc** 1987 Apr;19(2 Suppl 2):115–7

The rehabilitation of dialysis and transplant patients. Richardson YW. **Transplant Proc** 1987 Apr;19(2 Suppl 2):111–4

[Chronic renal failure: present and future. Pathophysiology and metabolic abnormalities—hemodynamic response to exercise test and the control of daily activities] Koro T. **Nippon Naika Gakkai Zasshi** 1986 Nov;75(11):1536–40 **(Jpn)**

SURGERY

Organ donation in Belgium: discrepancy between offer and demand. Van Hee R. **Acta Chir Belg** 1987 May–Jun; 87(3):173–6

De novo diabetic nephropathy with functional impairment in a renal allograft. Gimenez LF, et al. **Am J Nephrol** 1986; 6(5):378–81

Causes of death in renal transplant recipients. A review of autopsy findings from 1966 through 1985. Scroggs MW, et al. **Arch Pathol Lab Med** 1987 Oct;111(10):983–7

Successful pregnancy in a renal transplant recipient taking cyclosporin A. Duggan CJ, et al. **Aust NZ J Med** 1986 Dec;16(6):813–4

Polycythemia in pediatric renal transplantation. Sinnassamy P, et al. **Clin Nephrol** 1987 May;27(5):242–4

Anesthesia considerations for renal transplantation. Linke CL. **Contemp Anesth Pract** 1987;10:183–231 (50 ref.)

Bee stiag nephropathy in a transplant patient. Taber TE, et al. **Indiana Med** 1986 Sep;79(9):778–9

Surgical management of peritoneal dialysis catheters in children: five-year experience with 1,800 patient-month follow-up. Stone MM, et al. **J Pediatr Surg** 1986 Dec; 21(12):1177–81

Renovascular operations in patients with chronic renal insufficiency: do the benefits justify the risks? Hallett JW Jr, et al. **J Vasc Surg** 1987 Apr;5(4):622–7

Provision of renal replacement therapy for diabetic patients in the UK [editorial] **Lancet** 1987 Jul 4;2(8549):21–2

Hepatic vascular disease after kidney transplantation: report of two cases and review of the literature. Adler M, et al. **Nephrol Dial Transplant** 1987;2(3):183–8

Allograft antiglomerular basement membrane glomerulonephritis in a patient with Alport's syndrome. Teruel JL, et al. **Nephron** 1987;46(1):43–4

Tuberculosis and renal transplantation—observations from an endemic area of tuberculosis. Malhotra KK, et al. **Postgrad Med J** 1986 May;62(727):359–62

[Combined kidney-pancreas graft in terminal diabetic nephropathy. Report on the first transplantation performed at the University of Liège] Meurisse M, et al. **Rev Med Liege** 1986 Nov 1;41(21):855–63 **(Fre)**

[Progressive spondylolisthesis following kidney transplantation] Engelmann L, et al. **Beitr Orthop Traumatol** 1986 Dec;33(12):588–91 (Eng. Abstr.) **(Ger)**

[Kidney transplantation—treatment goal of decompensated kidney failure (previous results)] Greiner C, et al. **Kinderarztl Prax** 1987 Jan;55(1):3–7 (Eng. Abstr.) **(Ger)**

[Reversible azathioprine associated dysmyeloproliferative syndrome after kidney allotransplantation] Bammatter F, et al. **Klin Wochenschr** 1987 Jul 1;65(13):620–4 (Eng. Abstr.) **(Ger)**

[Kidney transplantation—internal medicine viewpoints] Fassbinder W. **Verh Dtsch Ges Inn Med** 1986;92:214–23 **(Ger)**

[20 years' experience with kidney transplantation in Stockholm] Groth CG, et al. **Z Urol Nephrol** 1987 Apr; 80(4):197–201 (Eng. Abstr.) **(Ger)**

[Legislation related to the management of kidney failure] Kusakari T. **Nippon Rinsho** 1987 Jun;45(6):1361–71 **(Jpn)**

[Clinical significance of antibodies reacting with the endothelium of peritubular capillaries in patients with chronic renal failure and after allotransplantation of a cadaveric kidney] Shabanova LN. **Urol Nefrol (Mosk)** 1987 May–Jun;(3):22–5 (Eng. Abstr.) **(Rus)**

[Renal transplantation. Clinical aspects] Espinosa NR. **Rev Med Panama** 1986 Sep;11(3):171–6 (Eng. Abstr.) **(Spa)**

THERAPY

Treatment of dialysis resistant hypertension with enalapril. Sennesael J, et al. **Acta Cardiol (Brux)** 1986;41(5):367–71

Statural growth of children with chronic renal failure on conservative treatment. Polito C, et al. **Acta Paediatr Scand** 1987 Jan;76(1):97–102

Copper removal from renal patients using desferrioxamine chelation to reduce aluminium overload. Hewitt CD, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:431–4

Left ventricular hypertrophy in end-stage renal disease on peritoneal dialysis. Eisenberg M, et al. **Am J Cardiol** 1987 Aug 1;60(4):418–9

An unsuspected cause for metabolic acidosis in chronic renal failure: sorbent system hemodialysis [letter] **Am J Kidney Dis** 1986 Oct;8(4):277–9

Trends in the incidence of treated end-stage renal disease secondary to diabetic nephropathy: 1975–1984. Kappel DF, et al. **Am J Kidney Dis** 1986 Oct;8(4):234–8

Neutrophil and monocyte alterations in chronic dialysis patients. Lewis SL, et al. **Am J Kidney Dis** 1987 May; 9(5):381–95 (106 ref.)

Management of myeloma kidney: an anti-light-chain approach. Misiani R, et al. **Am J Kidney Dis** 1987 Jul; 10(1):28–33

Are "routine" clinical and laboratory examinations of any help in the treatment of chronic hemodialysis patients? Ruggenenti P, et al. **Am J Kidney Dis** 1987 Jul;10(1):23–7

Long-term survivors on peritoneal dialysis. Zimmerman SW, et al. **Am J Kidney Dis** 1987 Sep;10(3):241–9

Phenytoin removal by plasmapheresis in renal insufficiency. Brown-Molnar CS, et al. **Am J Nephrol** 1986;6(4):302–6

End-stage renal disease treatment modality and patients' quality of life. Longitudinal assessment. Kutner NG, et al. **Am J Nephrol** 1986;6(5):396–402

Treatment compliance in end-stage renal disease patients on dialysis. Wolcott DL, et al. **Am J Nephrol** 1986;6(5):329–38 (46 ref.)

The problems of vascular access for hemodialysis in juvenile diabetics with end-stage renal disease. Isiadinso OO, et al. **Angiology** 1975 Jul–Aug;26(7):569–71

Reduced leucocyte zinc and albumin-bound zinc in blood of haemodialysis patients. Foote JW, et al. **Ann Clin Biochem** 1987 Mar;24 (Pt 2):198–202

Metoclopramide-induced parkinsonism in hemodialysis patients. Report of two cases. Sirota RA, et al. **Arch Intern Med** 1986 Oct;146(10):2070–1

Encephalopathy in chronic renal failure responsive to deferoxamine therapy. Another manifestation of aluminum neurotoxicity. Sprague SM, et al. **Arch Intern Med** 1986 Oct;146(10):2063–4

Acute fatal hyperaluminemic encephalopathy in undialyzed and recently dialyzed uremic patients. Bakir AA, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):171–6

Effect of intraperitoneal infusion volume and posture on left ventricular systolic function in patients on continuous ambulatory peritoneal dialysis. Franklin JO, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):554–6

Trace metals and anemia in chronic hemodialysis patients. Hosokawa S, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):305–8

A multicenter trial to evaluate the use of the CAPD "O" set. Lempert KD, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):557–9

Continuous arterio-venous hemofiltration in a wearable device to treat end-stage renal disease. Murisasco A, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):567–71

Long-term outcome of continuous ambulatory peritoneal dialysis. The Southern California/Southern Nevada experience. Nissenson AR, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):560–3

Peritoneal dialysis. Nolph KD, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):11–6

Should vitamin C supplementation be restricted in regular hemodialysis patients? Ono K, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):111–3

Comparison of continuous arteriovenous hemofiltration and continuous arteriovenous dialysis in critically ill patients. Raja R, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):435–6

Calcium carbonate as a phosphate binder in hemodialysis patients. Taber TE, et al. **ASAIO Trans** 1986 Jul–Sep; 32(1):127–9

Cuprophan membrane induces interleukin-1 activity. Yamagami S, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):98–101

Choosing a treatment modality for the infant, child and adolescent with endstage renal disease. Fine RN. **Blood Purif** 1987;5(1):4–13

Intraregional variation in treatment of end stage renal failure. Dalziel M, et al. **Br Med J [Clin Res]** 1987 May 30; 294(6584):1382–3

Continuous ambulatory peritoneal dialysis after the honeymoon: review of experience in Newcastle 1979–84. Heaton A, et al. **Br Med J [Clin Res]** 1986 Oct 11; 293(6552):938–41

Effect of continuous ambulatory peritoneal dialysis on a British renal unit. Morgan AG, et al. **Br Med J [Clin Res]** 1986 Oct 11;293(6552):935–7

Acquired cystic disease of the kidney: an indication for renal transplantation? Thompson BJ, et al. **Br Med J [Clin Res]** 1986 Nov 8;293(6556):1209–10

Prediction of resources needed to achieve the national target for treatment of renal failure. Wood IT, et al. **Br Med J [Clin Res]** 1987 Jun 6;294(6585):1467–70

Separation of an inhibitor of erythropoiesis in "middle molecules" from hemodialysate from patients with chronic renal failure. Saito A, et al. **Clin Chem** 1986 Oct; 32(10):1938–41

Behavior of beta 2-microglobulin in patients with chronic renal failure undergoing hemodialysis, hemodiafiltration and continuous ambulatory peritoneal dialysis (CAPD). Blumberg A, et al. **Clin Nephrol** 1987 May;27(5):245–9

Biocompatibility and clinical performance of a new modified cellulose membrane. Bosch T, et al. **Clin Nephrol** 1986;26 Suppl 1:S22–9

CAPD in a patient with complete absence of C3 [letter] Cozma G, et al. **Clin Nephrol** 1987 May;27(5):269

Cognitive function in hemodialysis patients. Jackson M, et al. **Clin Nephrol** 1987 Jan;27(1):26–30

A single dose of a low molecular weight heparin fragment for anticoagulation during hemodialysis. Ljungberg B, et al. **Clin Nephrol** 1987 Jan;27(1):31–5

Fatal massive hemoperitoneum after cessation of CAPD [letter] Modi KB, et al. **Clin Nephrol** 1987 Jan;27(1):47

A continuous hemofiltration system using sorbents for hemofiltrate regeneration. Murisasco A, et al. **Clin Nephrol** 1986;26 Suppl 1:S53–7

Hemodynamic and volume changes by ultrafiltration in refractory edema of diabetic nephrotic syndrome with severe renal insufficiency. Onoyama K, et al. **Clin Nephrol** 1987 Jan;27(1):21–5

The status of sorbent technology in hemodialysis treatment. Roberts M. **Clin Nephrol** 1986;26 Suppl 1:S44–6

Preliminary technical and clinical evaluation of a new hollow fiber dialyzer with a 5 microns thick cuprophan membrane. Ronco C, et al. **Clin Nephrol** 1986;26 Suppl 1:S17–21

Improvement of dialyzer compatibility by reduction of membrane surface area. Schaefer RM, et al. **Clin Nephrol** 1986;26 Suppl 1:S35–8

Clindamycin phosphate kinetics in subjects undergoing CAPD. Schwartz MT, et al. **Clin Nephrol** 1986 Dec; 26(6):303–6

Future trends in biocompatibility aspects of hemodialysis and related therapies. Shaldon S. **Clin Nephrol** 1986;26 Suppl 1:S13–6

Sorbent recycling of ultrafiltrate in man—a 45-week crossover study. Shapiro WB, et al. **Clin Nephrol** 1986;26 Suppl 1:S47–52

Urea removal by means of direct binding. Smakman R, et al. **Clin Nephrol** 1986;26 Suppl 1:S58–62

Research on dialyzers with improved biocompatibility. van der Steen A. **Clin Nephrol** 1986;26 Suppl 1:S39–42

Comparative analysis after 6 years of results obtained with continuous ambulatory peritoneal dialysis and hemodialysis. Maiorca R, et al. **Contrib Nephrol** 1987; 55:221–30

Aluminum toxicity in dialysis patients. Van de Vyver FL, et al. **Contrib Nephrol** 1987;55:198–220 (78 ref.)

Dietary guidelines for the management of diabetic patients with chronic renal failure. Nunan TO, et al. **Diabetic Med** 1986 Jan;3(1):75–9

Effects of disinfectants in renal dialysis patients. Klein E. **Environ Health Perspect** 1986 Nov;69:45–7

Renal failure in pregnancy, treated by hemodialysis. Van Dam P, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Mar; 24(3):243–8

The moral limits to federal funding for kidney disease. Moskop JC. **Hastings Cent Rep** 1987 Apr;17(2):11–5

Changing patterns in the management of end stage renal failure in Aberdeen. Main J, et al. **Health Bull (Edinb)** 1986 Nov;44(6):357–63

The practical problems of nutritional support for children on continuous ambulatory peritoneal dialysis. Macdonald A. **Hum Nutr Appl Nutr** 1986 Aug;40(4):253–61

The use of peritoneal dialysis as a means of supplying nutrients. Cavallé Obiols F, et al. **Infusionsther Klin Ernahr** 1987 Feb;14 Suppl 1:46–51

Elimination of amino acids in chronic renal failure. Druml W, et al. **Infusionsther Klin Ernahr** 1986 Dec;13(6):262–7

Routine clinical applications of hemodialysis-hemoperfusion in chronic renal failure: case reports. Barré PE, et al. **Int J Artif Organs** 1986 Sep;9(5):305–8

Aluminum loading in children on chronic hemofiltration [letter] Bettinelli A, et al. **Int J Artif Organs** 1987 Mar; 10(2):131–2

Mineral metabolism during a hemofiltration session in children. Bianchi ML, et al. **Int J Artif Organs** 1986 Jul;

9(4):257–62
Managing the diabetic with renal insufficiency. Diaz-Buxo JA. **Int J Artif Organs** 1986 Jul;9(4):207–12
Continuous arterio-venous ultrafiltration in cirrhotic patients with ascites or renal failure. Epstein M, et al. **Int J Artif Organs** 1986 Jul;9(4):253–6
Chronic hemodialysis in children [editorial] Tejani A. **Int J Artif Organs** 1986 Jul;9(4):215–6
Deferoxamine for the treatment of hemosiderosis during CAPD. Gomez RA, et al. **Int J Pediatr Nephrol** 1987 Jan-Mar;8(1):21–4
Peritoneal dialysis in chronic renal failure in children: a six year study. Santos F, et al. **Int J Pediatr Nephrol** 1987 Jan-Mar;8(1):45–50
Chronic renal failure in children [clinical conference] Tsuru N, et al. **Int J Pediatr Nephrol** 1986 Jul-Sep;7(3):161–8 (23 ref.)
Dialysis and transplantation for diabetic nephropathy: the Dublin experience 1977–1985. Blake P, et al. **Ir Med J** 1986 Dec;79(12):354–7
Calcium carbonate as an alternative to aluminium hydroxide in maintenance haemodialysis for chronic renal failure. O'Brien A, et al. **Ir Med J** 1987 Feb;80(2):68–70
Management of end-stage renal failure--problems in practice [letter] Muthusethupathi MA, et al. **J Assoc Physicians India** 1986 Jun;34(6):453–4
Accumulation of hydroxyethyl starch (HES) in the liver of patients with renal failure and portal hypertension. Dienes HP, et al. **J Hepatol** 1986;3(2):223–7
Use of a subclavian venous catheter for short- and long-term hemodialysis in children. Lally KP, et al. **J Pediatr Surg** 1987 Jul;22(7):603–5
Twin gestation and perinatal follow-up in a woman with severe chronic renal failure managed without dialysis. A case report. Grunebaum AN, et al. **J Reprod Med** 1987 Jun;32(6):463–5
Continuous ambulatory peritoneal dialysis: the pediatric experience. Zaontz MR, et al. **J Urol** 1987 Aug; 138(2):353–6
The end-stage renal disease program: here are some of the data [editorial] Blagg CR. **JAMA** 1987 Feb 6;257(5):662–3
Clinical characteristics and diagnostic considerations in acquired renal cystic disease. Narasimhan N, et al. **Kidney Int** 1986 Nov;30(5):748–52
The absorption of dietary phosphorus and calcium in hemodialysis patients. Ramirez JA, et al. **Kidney Int** 1986 Nov;30(5):753–9
Progression of chronic renal failure in patients given ketoacids following amino acids. Walser M, et al. **Kidney Int** 1987 Jul;32(1):123–8
Selection-adjusted comparison of life-expectancy of patients on continuous ambulatory peritoneal dialysis, haemodialysis, and renal transplantation [published erratum appears in Lancet 1987 Jun 6;1(8545):1330] Burton PR, et al. **Lancet** 1987 May 16;1(8542):1115–9
Treatment of end-stage renal failure due to diabetes in the United Kingdom, 1975–84. Cameron JS, et al. **Lancet** 1986 Oct 25;2(8513):962–6
Diabetes with kidney failure [letter] Friedman EA. **Lancet** 1986 Nov 29;2(8518):1285
Timing dialysis in chronic uraemia. Bonomini V. **Life Support Syst** 1987 Jan-Mar;5(1):1–7
Prostacyclin and heparin during haemodialysis: comparative effects. Camici M, et al. **Life Support Syst** 1986 Jul-Sep; 4(3):205–9
The determinants of treatment choice in end-stage renal disease: can we generalize about decision making from specific studies? Deber RB. **Med Decis Making** 1986 Oct-Dec;6(4):231–8
Demography of dialysis and transplantation in Europe, 1984. Report from the European Dialysis and Transplant Association Registry. **Nephrol Dial Transplant** 1986; 1(1):1–8
Demography of dialysis and transplantation in children in Europe, 1984. Report from the European Dialysis and Transplant Association Registry. **Nephrol Dial Transplant** 1986;1(1):9–15
Host defence in continuous ambulatory peritoneal dialysis: the effect of the dialysate on phagocyte function. Alobaidi HM, et al. **Nephrol Dial Transplant** 1986;1(1):16–21
Haemodialysis-induced respiratory changes. Fawcett S, et al. **Nephrol Dial Transplant** 1987;2(3):161–8
Multi-centre study on outcome of treatment in patients on continuous ambulatory peritoneal dialysis and haemodialysis. Gokal R, et al. **Nephrol Dial Transplant** 1987;2(3):172–8
Increased free-radical activity during haemodialysis? Maher ER, et al. **Nephrol Dial Transplant** 1987;2(3):169–71
Functional deterioration of the peritoneum: does it occur in the absence of peritonitis? Ota K, et al. **Nephrol Dial Transplant** 1987;2(1):30–3
Acquired cystic disease of the kidney in patients with end-stage chronic renal failure: a study of prevalence and aetiology. Thomson BJ, et al. **Nephrol Dial Transplant** 1986; 1(1):38–43
Hypocalcaemic effect of WR-2721, S-2 (3-aminopropylamino) ethyl-phosphorothioic acid in an anuric haemodialysis patient. Zingraff J, et al. **Nephrol Dial Transplant** 1987;2(1):48–52
Autonomic neuropathy and symptomatic hypotension in hemodialysis patients. Lamas S, et al. **Nephron** 1987; 46(1):107–8
Effect of arteriovenous fistula creation and maturation on rest hemodynamics in patients with end-stage renal disease. Munclinger M, et al. **Nephron** 1987;46(1):105–6
The outcome and complications of the DiaTAP bioCarbon button-graft vascular access device in haemodialysis patients: a two-year experience. Paul MD, et al. **Nephron** 1986;44(2):96–102
Peritoneal dialysis in spinal cord injury. Smith B, et al. **Nephron** 1986;44(3):245–8
The cerebral blood flow in patients with chronic renal failure during hemodialysis. Arai T, et al. **Nippon Ika Daigaku Zasshi** 1986 Aug;53(4):416–7
Effects of oral adsorbent on experimental uremic rats. Kanai F, et al. **Nippon Jinzo Gakkai Shi** 1986 Sep;28(9):1249–59
Ventricular arrhythmia in patients on maintenance hemodialysis. Kuno T, et al. **Nippon Jinzo Gakkai Shi** 1986 Sep;28(9):1229–35
Frequency dependency of causal factors for hypertension in hemodialysis patients. Wada T, et al. **Nippon Jinzo Gakkai Shi** 1986 Sep;28(9):1237–43
The therapeutic approach to the infant, child, and adolescent with end-stage renal disease. Fine RN, et al. **Pediatr Clin North Am** 1987 Jun;34(3):789–801
Hemofiltration in children with renal failure. Pascual JF, et al. **Pediatr Clin North Am** 1987 Jun;34(3):803–18 (55 ref.)
Clearance of osteocalcin by peritoneal dialysis in children with end-stage renal disease. Gundberg CM, et al. **Pediatr Res** 1987 Mar;21(3):296–300
Improving the prognosis in acute renal and respiratory failure. Simpson HK, et al. **Ren Fail** 1987;10(1):45–54
Quality of life for patients in an end-stage renal disease programme. Seedat YK, et al. **S Afr Med J** 1987 Apr 18; 71(8):500–4
New developments in the treatment of end-stage renal disease. **Semin Nephrol** 1986 Jun;6(2):103–84
Current thinking on the management of the uremic diabetic. Manis T, et al. **Semin Nephrol** 1986 Jun;6(2):183–5
New insight into hemofiltration. Schaefer K, et al. **Semin Nephrol** 1986 Jun;6(2):161–7 (40 ref.)
Alternative phosphate binders in dialysis patients: calcium carbonate. Slatopolsky E, et al. **Semin Nephrol** 1986 Dec; 6(4 Suppl 1):35–41
Successful use of the Denver peritoneovenous shunt in patients with nephrogenic ascites. Hobar PC, et al. **Surgery** 1987 Feb;101(2):161–4
Continuous ambulatory peritoneal dialysis for the end stage renal disease patients. Huang TP, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Nov;85(11):1011–22
Symptoms in end-stage renal disease: dialysis v transplantation. Parfrey PS, et al. **Transplant Proc** 1987 Aug;19(4):3407–9
Is there a role for kidney transplantation in developing countries? Slapak M. **Transplant Proc** 1987 Apr;19(2 Suppl 2):17–20
Kidney transplantation in diabetic patients. Sutherland DE, et al. **Transplant Proc** 1987 Apr;19(2 Suppl 2):90–4
Retransplantation with HLA-identical living-related allografts in children. Laufer J, et al. **Transplantation** 1987 Aug;44(2):322–3
Renal transplantation done safely without prior chronic dialysis therapy. Migliori RJ, et al. **Transplantation** 1987 Jan;43(1):51–5
Intermittent peritoneal dialysis. Review of three years' experience. Jeyarajah R, et al. **Trop Doct** 1986 Jan; 16(1):13–7
Management of renal failure in Yaounde. First 18 months' experience. Youmbissi TJ, et al. **Trop Doct** 1987 Jan; 17(1):9–11
Renal transplantation in children with oculorenal syndrome. Valadez RA, et al. **Urology** 1987 Aug;30(2):130–2
[Para-articular calcinosis of soft tissues in dialyzed patients] Janda J. **Cesk Patol** 1987 Mar;23(1):66–71 (Eng. Abstr.) (Cze)
[Hemodialysis therapy in children] Dušek J, et al. **Cesk Pediatr** 1986 Nov;41(11):636–9 (Eng. Abstr.) (Cze)
[Chronic dialysis in children. Results from the Danish National Hospital 1970–1984] Ladefoged J, et al. **Ugeskr Laeger** 1987 Jan 19;149(4):211–4 (Eng. Abstr.) (Dan)
[Unusual metabolic alkalosis in chronic renal failure (letter)] Thoreux PH, et al. **Ann Med Interne (Paris)** 1986; 137(7):601–2 (Fre)
[End-stage renal insufficiency in children less than 4 months old. Survey of the French Pediatric Nephrology Club] Champion G, et al. **Arch Fr Pediatr** 1986 Aug-Sep; 43(7):481–6 (Eng. Abstr.) (Fre)
[Microsurgical creation of arteriovenous fistulas for chronic hemodialysis in children weighing less than 10 kg] Bourquelot P, et al. **Chirurgie** 1986;112(9):681–5 (Eng. Abstr.) (Fre)
[Severe ocular toxicity of desferrioxamine in the hemodialyzed patient] Bournerias F, et al. **Nephrologie** 1987;8(1):27–9 (Eng. Abstr.) (Fre)
[Electroencephalographic changes in children dialyzed according to various protocols] Brocard O, et al. **Nephrologie** 1986;7(5):181–4 (Eng. Abstr.) (Fre)
[Treatment of chronic renal failure in Tunisia] el Matri A, et al. **Nephrologie** 1986;7(3):109–13 (Eng. Abstr.) (Fre)
[Indications for desferrioxamine in patients with chronic renal insufficiency treated by dialysis] Simon P. **Nephrologie** 1986;7(5):177–80 (Fre)
[Treatment of peritonitis in kidney failure patients under continuous ambulatory peritoneal dialysis by pefloxacine. Results and pharmacokinetics] Denis F, et al. **Pathol Biol (Paris)** 1987 May;35(5):652–5 (Eng. Abstr.) (Fre)
[Arthropathies of the limbs in dialyzed renal failure patients] Benhamou CL, et al. **Presse Med** 1987 Jan 31;16(3):119–22 (Eng. Abstr.) (Fre)
[Management of severe renal insufficiency of early manifestation] Bensman A, et al. **Presse Med** 1987 May 9;16(17):794–5 (Fre)
[Terminal renal insufficiency in children and adolescents. Epidemiology and treatment] Gagnadoux MF. **Presse Med** 1987 May 23;16(19):940–2 (Fre)
[Comparative study of heparin and a very low molecular-weight heparin in hemodialysis in chronic renal insufficiency] Hory B, et al. **Presse Med** 1987 May 23; 16(19):955–8 (Eng. Abstr.) (Fre)
[Treatment of kidney failure in diabetics] Rottembourg J. **Presse Med** 1987 Mar 14;16(9):437–40 (Eng. Abstr.) (Fre)
[Treatment of renal insufficiency in children] Broyer M. **Rev Med Liege** 1987 Jan 1;42(1):1–14 (Fre)
[Substitute treatment of end-stage renal insufficiency in Tunisia] el Matri A, et al. **Tunis Med** 1986 May;64(5):445–9 (Eng. Abstr.) (Fre)
[The Hickman catheter as a permanent access in hemodialysis in the child] Schroeder P, et al. **Chirurg** 1987 Mar; 58(3):179–81 (Ger)
[Prevention of the progression of chronic kidney failure] Teschner M, et al. **Dtsch Med Wochenschr** 1987 Feb 27; 112(9):353–8 (74 ref.) (Ger)
[Treatment and management of patients with chronic kidney diseases] Baldamus CA. **Med Klin** 1986 Jun 6;81(13):470–4 (Ger)
[Acquired cystic renal changes--a clinically relevant problem in long-term dialysis] Brunner W, et al. **Schweiz Med Wochenschr** 1987 May 23;117(21):795–800 (Eng. Abstr.) (Ger)
[Conservative therapy of chronic progressive kidney disease] Colombi A. **Schweiz Rundsch Med Prax** 1987 Jan 20; 76(4):70–5 (Eng. Abstr.) (Ger)
[Chronic renal failure--clinical problems in patients at a dialysis program] Precht K, et al. **Z Arztl Fortbild (Jena)** 1987;81(4):157–61 (Ger)
[Chronic renal failure--classification and conservative treatment] Precht K, et al. **Z Arztl Fortbild (Jena)** 1987; 81(4):151–5 (Ger)
[Long-term dialysis treatment in advanced age] Loew H. **Z Gerontol** 1987 Jan-Feb;20(1):52–5 (Eng. Abstr.) (Ger)
[Implantation technic of a peritoneal dialysis catheter in infancy and childhood] Roth H, et al. **Z Kinderchir** 1986 Dec;41(6):355–9 (Eng. Abstr.) (Ger)
[Carpal tunnel syndrome following arteriovenous forearm shunt in chronic dialysis patients--a review of 24 surgically treated patients] Seifert V, et al. **Z Orthop** 1987 Jan-Feb; 125(1):85–90 (Eng. Abstr.) (Ger)
[Massive, unilateral and recurrent hydrothorax in a patient in a chronic intermittent peritoneal dialysis program] Haag B. **Z Urol Nephrol** 1987 Apr;80(4):239–41 (Eng. Abstr.) (Ger)
[Does CAPD have a future?] Maher JF. **Z Urol Nephrol** 1987 Apr;80(4):229–37 (Eng. Abstr.) (Ger)
[Hepatitis prevention and its results--report of experiences in a dialysis department] Müller D. **Z Urol Nephrol** 1986 Dec;79(12):729–32 (Eng. Abstr.) (Ger)
[Significance of parathyroid hormone (PTH) within the scope of central nervous system disorders in hemodialysis patients] Sperschneider H, et al. **Z Urol Nephrol** 1987 Apr; 80(4):217–27 (Eng. Abstr.) (Ger)
[Hemodynamic aspects of bicarbonate dialysis] Vanholder R, et al. **Z Urol Nephrol** 1987 Apr;80(4):213–6 (Eng. Abstr.) (Ger)
[Technical and economic aspects of bicarbonate hemodialysis] Vanholder R, et al. **Z Urol Nephrol** 1987 Apr;80(4):209–12 (Eng. Abstr.) (Ger)
[Single needle hemodiafiltration] Vanholder R, et al. **Z Urol Nephrol** 1986 Oct;79(10):549–58 (Eng. Abstr.) (Ger)
[Ultrastructure of skin biopsy specimens from uremic patients treated by peritoneal dialysis] Vajda K, et al. **Morphol Igazsagugyi Orv Sz** 1987 Jan;27(1):9–18 (Eng. Abstr.) (Hun)
[Metabolic effects of hemofiltration in the treatment of chronic renal insufficiency] Lugari R, et al. **Minerva Endocrinol** 1987 Apr-Jun;12(2):157–62 (Eng. Abstr.) (Ita)
[Dialysis treatment of terminal diabetic nephropathy in the Piedmont Region] Triolo G, et al. **Minerva Endocrinol** 1987 Apr-Jun;12(2):167–9 (Eng. Abstr.) (Ita)
[Extraction of diethylhexyl phthalate in hemodialysis] Bergia R, et al. **Minerva Urol Nefrol** 1986 Oct-Dec;38(4):461–3 (Ita)
[Weight changes and skinfold thickness study in a group of patients in RDT] Mandolfo S, et al. **Minerva Urol Nefrol** 1987 Apr-Jun;39(2):177–80 (Ita)
[Behavior and significance of phalangeal bone changes in uremic patients under periodic hemodialysis treatment] Tamarozzi R, et al. **Radiol Med (Torino)** 1987 Mar; 73(3):154–8 (Eng. Abstr.) (Ita)
[Dialysis treatment of chronic kidney insufficiency in the uremic phase. Indications and limitations] Garini G, et al. **Recenti Prog Med** 1986 Sep;77(9):440–3 (Eng. Abstr.) (Ita)

[An experience with hemodialysis during cardiopulmonary bypass for mitral valve replacement] Fukumoto H, et al. **Kyobu Geka** 1986 Jul;39(7):522–5 (Eng. Abstr.) **(Jpn)**

[Autonomic insufficiency of hemodialysis patients—the diagnostic value of R–R interval variation] Iwabuchi F, et al. **Nippon Jinzo Gakkai Shi** 1987 Feb;29(2):251–60 (Eng. Abstr.) **(Jpn)**

[Dialysis capacity of peritoneum in CAPD] Yamamoto Y. **Nippon Jinzo Gakkai Shi** 1986 Aug;28(8):1119–28 (Eng. Abstr.) **(Jpn)**

[Chronic renal failure: present and future] Arakawa M. **Nippon Naika Gakkai Zasshi** 1986 Nov;75(11):1526–9 **(Jpn)**

[Chronic renal failure: present and future. Dialytic treatment—peritoneal dialysis] Mimura N, et al. **Nippon Naika Gakkai Zasshi** 1986 Nov;75(11):1573–7 **(Jpn)**

[Chronic renal failure: present and future. Pathophysiology and metabolic abnormalities—hypertension] Shiigai T. **Nippon Naika Gakkai Zasshi** 1986 Nov;75(11):1541–4 **(Jpn)**

[[Changes in policies related to chronic kidney failure and their future prospect] Mimura M. **Nippon Rinsho** 1987 Jun; 45(6):1325–30 **(Jpn)**

[Hemodialysis] Odaka M. **Nippon Rinsho** 1987 Jun; 45(6):1330–8 **(Jpn)**

[Successful pregnancy in a patient treated by long-term hemodialysis] Masuda R, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Dec; 38(12):2305–8 **(Jpn)**

[Management of peritoneal dialysis in children with end-stage renal failure in a pediatric hospital] Szymborski J. **Pediatr Pol** 1986 Dec;61(12):803–7 **(Pol)**

[Comparison of the effectiveness of peritoneal dialyses conducted by continuous and intermittent methods] Majdan M, et al. **Pol Arch Med Wewn** 1986 Jul;76(1):27–34 (Eng. Abstr.) **(Pol)**

[Studies of the possibility of multiple use of capillary dialyzers. II. Effectiveness of the elimination of urea and creatinine] Szepietowski T, et al. **Polim Med** 1986; 16(3–4):123–35 (Eng. Abstr.) **(Pol)**

[Factors affecting the effectiveness of peritoneal dialysis] Ksiażek A. **Przegl Lek** 1987;44(4):379–82 **(Pol)**

[Continuous ambulatory peritoneal dialysis—a personal experience] Sieniawska M, et al. **Przegl Lek** 1987; 44(4):390–2 **(Pol)**

[Anatomo-physiologic basis of treatment with peritoneal dialysis] Sulowicz W. **Przegl Lek** 1986;43(11):718–22 **(Pol)**

[Cytomorphologic, cytochemical and functional characteristics of cells from the peritoneal dialysate of patients with terminal renal failure treated by intermittent peritoneal dialysis. I. Quantitative and qualitative characteristics of the cells of the peritoneal dialysate] Sulowicz W. **Przegl Lek** 1987;44(3):326–35 (Eng. Abstr.) **(Pol)**

[Treatment of chronic renal insufficiency in the diabetic patient] da Fonseca JA, et al. **AMB** 1986 Nov–Dec; 32(11–12):215–8 **(Por)**

[Peritoneal dialysis in the treatment of chronic renal failure] Khokholia AV, et al. **Klin Khir** 1986;(12):42–6 (63 ref.) **(Rus)**

[Plasmapheresis in the treatment of patients with renal failure] Mikhallov AA, et al. **Klin Med (Mosk)** 1987 Jan; 65(1):117–21 (Eng. Abstr.) **(Rus)**

[Effect of hemodialysis on blood hormone and lipid levels in patients with chronic kidney failure] Dzhavad-Zade MD, et al. **Med Radiol (Mosk)** 1987 Feb;32(2):18–20 (Eng. Abstr.) **(Rus)**

[Electromyographic criteria of the effectiveness of treatment by hemodiafiltration of patients in the terminal stage of chronic renal failure] Lagutina TS, et al. **Urol Nefrol (Mosk)** 1987 May–Jun;(3):29–31 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the dialysers used by patients with chronic kidney failure under hemodialysis treatment] Nelmark MI. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):49–51 (Eng. Abstr.) **(Rus)**

[Stabilization of the course of chronic kidney failure by using enterosorbents of inorganic phosphorus] Rozental' RL, et al. **Urol Nefrol (Mosk)** 1987 Mar–Apr;(2):55–6 **(Rus)**

[Coronary revascularization in uremic diabetic patients under chronic hemodialysis] Espinoza F, et al. **Arch Inst Cardiol Mex** 1987 Jan–Feb;57(1):45–50 (Eng. Abstr.) **(Spa)**

[New orientations in the medical and dietetic therapy of chronic renal insufficiency] Bonet Sol J, et al. **Med Clin (Barc)** 1987 May 16;88(19):767–9 (34 ref.) **(Spa)**

[Toward a decrease in membranoproliferative glomerulonephritis in dialysis programs (letter)] Matesanz R, et al. **Med Clin (Barc)** 1986 Nov 1;87(14):606–7 **(Spa)**

[Aseptic destructive spondyloarthropathy in patients in a hemodialysis program (letter)] Nolla Solé JM, et al. **Med Clin (Barc)** 1987 May 23;88(20):828–9 **(Spa)**

[Intermittent peritoneal dialysis in pediatrics] Saieh C, et al. **Rev Chil Pediatr** 1986 Mar–Apr;57(2):141–5 (Eng. Abstr.) **(Spa)**

[Upper digestive endoscopy in patients in a hemodialysis program for terminal renal insufficiency] Pleguezuelo J, et al. **Rev Esp Enferm Apar Dig** 1987 Jul;72(1):11–2 (Eng. Abstr.) **(Spa)**

[Chronic intermittent peritoneal dialysis: cycles with or without dwell-time?] García R, et al. **Rev Med Chil** 1986 Feb;114(2):102–8 (Eng. Abstr.) **(Spa)**

[Continuous peritoneal dialysis—an alternative in chronic renal insufficiency in children] Ahlmén J, et al. **Lakartidningen** 1986 Nov 12;83(46):2882–3, 3886 **(Swe)**

URINE

Factors affecting urine volume in chronic renal failure. Feinfeld DA, et al. **Am J Kidney Dis** 1987 Sep;10(3):231–5

Effect of high-dose aldosterone infusions on renal electrolyte excretion in patients with renal insufficiency. Hené RJ, et al. **Am J Nephrol** 1987;7(1):33–7

Urinary excretion of vitamin C in chronic renal failure and after renal transplantation. Mydlík M, et al. **Int Urol Nephrol** 1986;18(4):457–62

[Renal excretion of zinc in patients with chronic renal failure] Mašková H, et al. **Cas Lek Cesk** 1987 Feb 20;126(8):232–6 (Eng. Abstr.) **(Cze)**

[Uremic peak 2a in high performance liquid chromatography—acidic components and their membrane permeability] Koide K, et al. **Nippon Jinzo Gakkai Shi** 1986 Nov;28(11):1481–9 (Eng. Abstr.) **(Jpn)**

VETERINARY

A technique for estimating progression of chronic renal failure in the dog. Allen TA, et al. **J Am Vet Med Assoc** 1987 Apr 1;190(7):866–8

Hypoglycemia and chronic renal failure in a cat. Edwards DF, et al. **J Am Vet Med Assoc** 1987 Feb 15;190(4):435–6

Pyelonephritis associated with renal failure in a horse. Held JP, et al. **J Am Vet Med Assoc** 1986 Sep 15;189(6):688–9

Kidney function in domestic fowl with chronic occlusion of the ureter and caudal renal vein. Wideman RF Jr, et al. **Poult Sci** 1986 Nov;65(11):2148–55

Dietary management of renal failure. Bovee KC, et al. **Tijdschr Diergeneeskd** 1987 Apr;112 Suppl 1:82S–92S

Lesions in dogs following renal transplantation and immunosuppression. Crowell WA, et al. **Vet Pathol** 1987 Mar;24(2):124–8

KIDNEY FUNCTION TESTS

Renal and liver function tests in surgical septicemia. Smith-Erichsen N. **Acta Anaesthesiol Scand** 1987 Apr; 31(3):208–13

The evaluation of asymptomatic microscopic haematuria. Vanrenterghem Y. **Acta Clin Belg** 1986;41(5):354–6

Limitations of creatinine in quantifying the severity of cyclosporine-induced chronic nephropathy. Tomlanovich S, et al. **Am J Kidney Dis** 1986 Nov;8(5):332–7

The measurement of renal function with radionuclides. Britton KE. **Ann Acad Med Singapore** 1986 Oct; 15(4):539–45

Protein loading test before and after kidney donation. Chan MK. **Aust NZ J Med** 1986 Oct;16(5):691–4

Hypertension and nephrotoxicity in the rate of decline in kidney function in diabetic nephropathy. Aubia J, et al. **Clin Nephrol** 1987 Jan;27(1):15–20

The current status of renal radiopharmaceuticals. A review. Blaufox MD. **Contrib Nephrol** 1987;56:31–7

Renal and extrarenal handling of a new imaging compound (99mTc-MAG3) in the rat. Müller-Suur C, et al. **Contrib Nephrol** 1987;56:44–8

Effect of volume expansion and urinary obstruction on the renal transit time of 99mTc-DTPA. Vivian GC, et al. **Contrib Nephrol** 1987;56:65–70

Kidney function after improved metabolic control in newly diagnosed diabetes and in diabetic patients with nephropathy. Ciavarella A, et al. **Diabetes Care** 1982 Nov–Dec;5(6):624–9

Some comments on plasma clearance by synthesis of continuous infusion [letter] Unsworth J. **J Nucl Med** 1987 Jun;28(6):1062–3

Spectrum of tests available to evaluate occupationally induced renal disease. Thun MJ, et al. **J Occup Med** 1986 Oct;28(10):1026–33

The effects of treatment of renal trauma on renal function. McGonigal MD, et al. **J Trauma** 1987 May;27(5):471–6

Effect of nifedipine in the protection of renal function during in situ preservation. Grekas DM, et al. **Nephrol Dial Transplant** 1987;2(3):179–82

Reversible acute derangement of renal function in patients with IgA nephropathy due to drug-induced tubulointerstitial nephritis [letter] Rio M, et al. **Nephrol Dial Transplant** 1987;2(3):192–3

Short-term effects of percutaneous transluminal renal angioplasty on renal function in unilateral renal artery stenosis. Hovinga TK, et al. **Neth J Med** 1986;29(11):347–51

Blood and urinary chemistries in the evaluation of renal function. Murray B, et al. **Semin Nephrol** 1985 Sep; 5(3):208–23

Urinary indices and chemistries in the differential diagnosis of prerenal failure and acute tubular necrosis. Pru C, et al. **Semin Nephrol** 1985 Sep;5(3):224–33

[How to evaluate functional values of the kidney] Mangin P, et al. **J Urol (Paris)** 1986;92(7):395–507 **(Fre)**

[Renal function and non-steroidal anti-inflammatory drugs] Loew F, et al. **Schweiz Rundsch Med Prax** 1987 Jun 9; 76(24):685–6 **(Fre)**

[Neopterin in the serum and urine in the differential diagnosis of disorders of kidney function following kidney transplantation] Wolf J, et al. **Klin Wochenschr** 1987 Mar 2;65(5):225–31 (Eng. Abstr.) **(Ger)**

[Disorders of kidney function and acute kidney failure in newborn infants] Burghard R, et al. **Monatsschr Kinderheilkd** 1987 Jan;135(1):10–21 (Eng. Abstr.) **(Ger)**

[The significance of renal prostaglandins for kidney function in early childhood] Seyberth HW. **Monatsschr Kinderheilkd** 1987 Apr;135(4):178–84 (Eng. Abstr.) **(Ger)**

[Value of percutaneous diagnosis and therapeutic procedures in obstructive uropathy following kidney transplantation] Beer M, et al. **Urologe [A]** 1987 May;26(3):137–41 (Eng. Abstr.) **(Ger)**

[Kidney function parameters following ischemia stress using the Euro-Collins solution or the Bretschneider cardioplegic HTK solution] Kallerhoff M, et al. **Urologe [A]** 1987 Mar; 26(2):96–103 (Eng. Abstr.) **(Ger)**

[Nuclear medicine assessment of renal function in beagles before and after extracorporeal percutaneous lithotripsy with a piezoelectric instrument system] Stoll HP, et al. **Urologe [A]** 1987 Jul;26(4):222–8 (Eng. Abstr.) **(Ger)**

[The determination of creatinine—the Jaffe reaction 100 years later] Jung K. **Z Med Lab Diagn** 1987;28(2):111–2 **(Ger)**

[Initial results of tm-PAH studies in children with kidney transplants] Devaux S, et al. **Z Urol Nephrol** 1986 Nov; 79(11):679–83 (Eng. Abstr.) **(Ger)**

[The determination of creatinine—the Jaffe reaction 100 years later. On the occasion of the 75th anniversary of the death of Max Jaffe, discoverer of the picric acid reaction of creatinine] Jung K. **Z Urol Nephrol** 1987 Feb;80(2):65–8 (Eng. Abstr.) **(Ger)**

[Accelerating factors in the progression of chronic renal failure] Lachhein L, et al. **Z Urol Nephrol** 1986 Nov; 79(11):647–53 (Eng. Abstr.) **(Ger)**

[Glomerulonephritis (GN) in childhood. I. Epidemiology, clinical aspects and kidney function in 125 children] Wolf S, et al. **Z Urol Nephrol** 1987 Feb;80(2):97–104 (Eng. Abstr.) **(Ger)**

[Mediator concepts and modulation of renal compensatory adaptation] Wüstenberg PW, et al. **Z Urol Nephrol** 1986 Nov;79(11):655–70 (Eng. Abstr.) **(Ger)**

[Renal function after open heart surgery—clinical evaluation of beta 2-microglobulin concentration in serum and urine] Hioki M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Jan;35(1):75–81 (Eng. Abstr.) **(Jpn)**

METHODS

Time to scrap creatinine clearance? [letter] **Br Med J [Clin Res]** 1986 Nov 22;293(6558):1370–3

Time to scrap creatinine clearance? [editorial] Gabriel R. **Br Med J [Clin Res]** 1986 Nov 1;293(6555):1119–20

Time to scrap creatinine clearance? [letter] Gabriel R. **Br Med J [Clin Res]** 1986 Dec 13;293(6561):1568

Reproducibility of three methods of renal clearance estimation without blood samples by means of 99mTc-DTPA. Piepsz A, et al. **Contrib Nephrol** 1987; 56:77–81

Comparison of measurement of glomerular filtration rate by single sample, plasma disappearance slope/intercept and other methods. Tepe PG, et al. **Eur J Nucl Med** 1987; 13(1):28–31

Rapid method for the measurement of differential renal function: validation. Chachati A, et al. **J Nucl Med** 1987 May;28(5):829–36

Evaluation of Tc-99m mercaptoacetyltriglycine in patients with impaired renal function. Taylor A Jr, et al. **Radiology** 1987 Feb;162(2):365–70

[Modern studies of kidney function] Schulze BD, et al. **Z Arztl Fortbild (Jena)** 1986;80(14):571–3 **(Ger)**

[Experimental renal kinetic function analysis using Gd-DTPA enhanced MRI—the separation analysis of glomerular and tubular functions] Ikehira H. **Kaku Igaku** 1987 Mar;24(3):263–72 (Eng. Abstr.) **(Jpn)**

[Quantitative renal function study using the RI clearance method by external counting] Sugano O. **Nippon Hinyokika Gakkai Zasshi** 1986 Oct;77(10):1549–58 (Eng. Abstr.) **(Jpn)**

[Comparison of 4 methods for the determination of creatinine clearance in aged patients] Duraković Z, et al. **Acta Med Iugosl** 1987;41(2):139–50 (Eng. Abstr.) **(Scr)**

KIDNEY GLOMERULUS

Special features, pathogenesis and aetiology of glomerular diseases in the tropics. Ngu JL, et al. **Clin Sci** 1987 May; 72(5):519–24 (57 ref.)

Phase contrast microscopy of the urine sediment for the diagnosis of glomerular and nonglomerular bleeding-data in children and adults with normal creatinine clearance. De Santo NG, et al. **Nephron** 1987;45(1):35–9

[Plasma urea and creatinine as diagnostic parameters of glomerular insufficiency. Reevaluation of its significance and the degree of correspondence between both parameters in different physiopathologic situations] Blanco Vaca F, et al. **Med Clin (Barc)** 1986 Nov 8;87(15):617–21 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Congenital focal glomerular lesions in only one monozygotic twin related to a probable twin transfusion syndrome. Altemani AM, et al. **Histopathology** 1986 Sep;10(9):991–4

Single nephron hyperfiltration and proteinuria in a newly selected rat strain with superficial glomeruli. Rovira-Halbach G, et al. **Renal Physiol** 1986;9(6):317–25

ANALYSIS

Amyloid P component is not present in the glomerular basement membrane in Alport-type hereditary nephritis. Melvin T, et al. **Am J Pathol** 1986 Dec;125(3):460–4

Comparison of nephritogenic glycopeptide, nephritogenoside, isolated from rat glomerular basement membranes with other basement membrane components. Natori Y, et al. **Connect Tissue Res** 1986;15(4):245–55

Studies on macromolecular components of human glomerular basement membrane and alterations in diabetes. Decreased levels of heparan sulfate proteoglycan and laminin. Shimomura H, et al. **Diabetes** 1987 Mar;36(3):374–81

Disturbances in glomerular basement membrane glycosaminoglycans in experimental diabetes. Wu VY, et al. **Diabetes** 1987 Jun;36(6):679–83

Aminomethyl coumarin acetic acid: a new fluorescent labelling agent for proteins. Khalfan H, et al. **Histochem J** 1986 Sep;18(9):497–9

Selective deglycosylation of the heparan sulfate proteoglycan of bovine glomerular basement membrane and identification of the core protein. Edge AS, et al. **J Biol Chem** 1987 May 15;262(14):6893–8

Antibody specificity of human glomerular basement membrane type IV collagen NC1 subunits. Species variation in subunit composition. Kleppel MM, et al. **J Biol Chem** 1986 Dec 15;261(35):16547–52

Identification of a major sialoprotein in the glycocalyx of human visceral glomerular epithelial cells. Kerjaschki D, et al. **J Clin Invest** 1986 Nov;78(5):1142–9

Immune complexes with cationic antibodies deposit in glomeruli more effectively than cationic antibodies alone. Mannik M, et al. **J Immunol** 1987 Jun 15;138(12):4209–17

Lipid microvesicles and their association with procoagulant activity in urine and glomeruli of rabbits with nephrotoxic nephritis. Wiggins R, et al. **Lab Invest** 1987 Mar; 56(3):264–72

[C 3 b receptor (CR 1) on red blood cell and glomerulus in various glomerular diseases] Ikezawa T, et al. **Nippon Jinzo Gakkai Shi** 1987 Jan;29(1):13–9 (Eng. Abstr.) **(Jpn)**

[Age-related changes in biochemical composition of human glomerular basement membrane] Kabuki K, et al. **Nippon Jinzo Gakkai Shi** 1987 Jan;29(1):21–8 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

[Comparative histometric studies of the size of kidney glomeruli in the mouse, rat and hamster] Hackbarth H, et al. **DTW** 1987 Feb 9;94(2):58–61 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Detection of immunoglobulins and other serum proteins in the dermal and glomerular capillary walls from patients with diabetes mellitus. Inoue W, et al. **Acta Pathol Jpn** 1986 Aug;36(8):1181–9

Significance of IgA deposits on the glomerular capillary walls in IgA nephropathy. Yoshimura M, et al. **Am J Kidney Dis** 1987 May;9(5):404–9

Samoyed hereditary glomerulopathy (SHG). Evolution of splitting of glomerular capillary basement membranes. Jansen B, et al. **Am J Pathol** 1986 Dec;125(3):536–45

Vasoactive agents and production of thrombosis during intravascular coagulation. 3. Comparative effects of catecholamines. Latour JG, et al. **Am J Pathol** 1987 Mar; 126(3):569–80

Lack of effect of atriopeptin II on rabbit glomerular arterioles in vitro. Edwards RM, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):F317–21

Regulatory role of prostanoids in glomerular microcirculation of remnant nephrons. Nath KA, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F829–37

Postglomerular capillary solute flux restricted by shape and charge in the dog. Whiteside C, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F500–12

Scanning electron microscopic study on the angioarchitecture of glomeruli in experimental toxemia of pregnancy in the rabbit. Fukuda O, et al. **Artery** 1987; 14(4):223–8

The action of lipoxin-A on glomerular microcirculatory dynamics in the rat. Badr KF, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):408–14

Myosin content and vasoconstrictive ability of the proximal and distal (renin-positive) segments of the preglomerular arteriole. Taugner R, et al. **Cell Tissue Res** 1987 Jun; 248(3):579–88

PVP-sieving curves as an estimate of glomerular hemodynamics in HgCl2 acute renal failure in the dog. Vanholder RC, et al. **Circ Res** 1987 Sep;61(3):311–7

Glomerulonephritis induced in the rabbit by antiendothelial antibodies. Matsuo S, et al. **J Clin Invest** 1987 Jun; 79(6):1798–811

Effect of captopril and hydrochlorothiazide on glomerular haemodynamics and histological damage in Goldblatt hypertension with partial renal ablation. Herrera-Acosta J, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S275–8

Size restriction in the glomerular capillary wall: importance of lamina densa. Batsford SR, et al. **Kidney Int** 1987 Mar; 31(3):710–7

Glomerular hypertension and injury in desoxycorticosterone-salt rats on antihypertensive therapy. Dworkin LD, et al. **Kidney Int** 1987 Mar;31(3):718–24

Effects of preglomerular and postglomerular vascular resistance alterations on filtration fraction. Carmines PK, et al. **Kidney Int [Suppl]** 1987 May;20:S229–32

Samoyed hereditary glomerulopathy. Immunohistochemical staining of basement membranes of kidney for laminin, collagen type IV, fibronectin, and Goodpasture antigen, and correlation with electron microscopy of glomerular capillary basement membranes. Thorner P, et al. **Lab Invest** 1987 Apr;56(4):435–43

The role of platelets and polycationic mediators in glomerular vascular injury. Barnes JL, et al. **Semin Nephrol** 1985 Mar; 5(1):57–68

The effect of murine fetal islet transplants on renal and retinal capillary basement membrane thickness. Cuthbertson RA, et al. **Transplant Proc** 1987 Apr;19(2):2919–21

Quantitation of anionic sites in glomerular capillary basement membranes of Samoyed dogs with hereditary glomerulopathy. Thorner PS, et al. **Virchows Arch [A]** 1987; 411(1):79–85

[Procedures for the demonstration of basal membranes of glomerular capillaries. IV] Krutsay M. **Morphol Igazsagugyi Orv Sz** 1987 Apr;27(2):128–30 (Eng. Abstr.) **(Hun)**

[Changes in glomerular hemodynamics associated with persistent renovascular hypertension] Herrera-Acosta J, et al. **Gac Med Mex** 1986 Jan-Feb;122(1-2):31–7 **(Spa)**

CYTOLOGY

Glomerular cells in vitro. Striker GE, et al. **Adv Nephrol** 1987;16:169–86 (101 ref.)

Epithelial polyanion (podocalyxin) is found on the sides but not the soles of the foot processes of the glomerular epithelium. Sawada H, et al. **Am J Pathol** 1986 Nov; 125(2):309–18

Vasoactive agents affect mesangial cell adhesion. Kreisberg JI, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):C505–11

Selection of kidney cell types in primary glomerular explant outgrowths by in vitro culture conditions. Oberley TD, et al. **J Cell Sci** 1986 Aug;84:69–92

Rat glomerular epithelial cells in culture. Parietal or visceral epithelial origin? Nørgaard JO. **Lab Invest** 1987 Sep; 57(3):277–90

Crossreactions between an I-A allospecificity and the cytoskeleton of glomerular epithelium and of vascular smooth muscle. Wadgymar A, et al. **Transplantation** 1987 Jun;43(6):903–8

[Morphometric studies on numerical area density of glomerular cells (nuclear section) in the pathogenetic evaluation of minimal glomerular abnormalities] Wolf E, et al. **Zentralbl Allg Pathol** 1986;132(5-6):477–85 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Biphasic effect of oxygen radicals on prostaglandin production by rat mesangial cells. Adler S, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F743–9

Effects of leukotriene D4 on glomerular dynamics in the rat. Badr KF, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F239–43

Corticosteroids decrease glomerular angiotensin receptors. Douglas JG. **Am J Physiol** 1987 Mar;252(3 Pt 2):F453–7

Structural and functional correlates of effects of angiotensin-induced changes in rat glomerulus. Haley DP, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F111–9

Atrial natriuretic factor inhibits maximal tubuloglomerular feedback response. Huang CL, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F825–8

Zona glomerulosa cell responses to atrial natriuretic factor in genetically hypertensive rats. Racz K, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):H689–92

The effect of oxidants on neutrophil-mediated degradation of glomerular basement membrane collagen. Vissers MC, et al. **Biochim Biophys Acta** 1986 Dec 19;889(3):277–86

Dopamine attenuates the contractile response to angiotensin II in isolated rat glomeruli and cultured mesangial cells. Barnett R, et al. **Circ Res** 1986 Nov;59(5):529–33

Effects of indomethacin on kidney function in type 1 (insulin-dependent) diabetic patients with nephropathy. Hommel E, et al. **Diabetologia** 1987 Feb;30(2):78–81

Effects of morphine on rat kidney glomerular podocytes: a scanning electron microscopic study. Johnson JE Jr, et al. **Drug Alcohol Depend** 1987 May;19(3):249–57

Atrial natriuretic factor does not stimulate prostaglandin synthesis in isolated rat glomeruli. Hayashi K, et al. **Endocrinol Jpn** 1986 Jun;33(3):369–73

Glomerulometric data in experimental toxicological investigations. Enchev V, et al. **Gegenbaurs Morphol Jahrb** 1986;132(4):577–82

Spatially resolved cytosolic calcium response to angiotensin II and potassium in rat glomerulosa cells measured by digital imaging techniques. Connor JA, et al. **J Biol Chem** 1987 Feb 25;262(6):2919–27

New mechanism for glomerular injury. Myeloperoxidase-hydrogen peroxide-halide system. Johnson RJ, et al. **J Clin Invest** 1987 May;79(5):1379–87

Treatment with dexamethasone increases glomerular prostaglandin synthesis in rats. Erman A, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):296–301

Glomerular hemodynamics and hormonal participation on cyclosporine nephrotoxicity. Barros EJ, et al. **Kidney Int** 1987 Jul;32(1):19–25

Tubulo-interstitial lesions mediate renal damage in adriamycin glomerulopathy. Bertani T, et al. **Kidney Int** 1986 Oct;30(4):488–96

Loss of glomerular responses to vasoconstrictor agents in rabbits recovering from ARF. Ikuma K, et al. **Kidney Int** 1986 Dec;30(6):836–41

The effects of angiotensin II on isolated glomeruli and cultured glomerular cells. Ardaillou R, et al. **Kidney Int [Suppl]** 1987 May;20:S74–80 (59 ref.)

Effect of angiotensin II on glomerular hemodynamics and ultrafiltration coefficient. Blantz RC, et al. **Kidney Int [Suppl]** 1987 May;20:S108–11 (27 ref.)

Prostaglandins modulate the glomerular actions of angiotensin II. Dunn MJ, et al. **Kidney Int [Suppl]** 1987 May;20:S95–101 (55 ref.)

Do angiotensin-induced changes in sheep renal venous blood and plasma composition indicate a reversal of glomerular filtration? Osborn EC, et al. **Med Hypotheses** 1987 Jun; 23(2):137–48

Effects of amines, monensin and nigericin on the renin release from isolated superfused rat glomeruli. Skøtt O. **Pflugers Arch** 1987 Jun;409(1-2):93–9

Effect of saline adaptation and renal portal sodium infusion on glomerular size distributions and kidney function in domestic fowl. Wideman RF Jr, et al. **Poult Sci** 1987 Feb; 66(2):348–56

Effect of vasoactive intestinal polypeptide on the cyclic adenosine monophosphate generating system in rat kidney glomeruli and cortical tubules. Amenta F, et al. **Regul Pept** 1987 May;17(5):295–9

The renal biopsy in drug-induced nephropathies. Jao W, et al. **Semin Nephrol** 1985 Dec;5(4):264–73

ENZYMOLOGY

Kallikrein and kinins independently stimulate renin release from isolated rat glomeruli. Beierwaltes WH, et al. **Adv Exp Med Biol** 1986;198 Pt A:265–72

Identification and regulation of renin in human cultured mesangial cells. Chansel D, et al. **Am J Physiol** 1987 Jan; 252(1 Pt 2):F32–8

Degradation of glomerular basement membrane by a neutral metalloproteinase(s) present in glomeruli isolated from normal rat kidney. Nguyen HH, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):898–903

Synthesis of alkyl-ether glycerophospholipids in rat glomerular mesangial cells: evidence for alkyldihydroxyacetone phosphate synthase activity. Zanglis A, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):666–73

Angiotensin I-converting enzyme in isolated human glomeruli. Chansel D, et al. **FEBS Lett** 1987 Aug 10; 220(1):247–52

Cultured glomerular mesangial cells contain renin: influence of calcium and isoproterenol. Dzau VJ, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S6–10

Antithrombotic activity of glomerular adenosine diphosphatase in the glomerular basement membrane of the rat kidney. Bakker WW, et al. **J Lab Clin Med** 1987 Feb;109(2):171–7

GROWTH & DEVELOPMENT

Evidence for splicing new basement membrane into old during glomerular development in newborn rat kidneys. Abrahamson DR, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2489–98

IMMUNOLOGY

Effect of immunoglobulin deposition on the amount of glomerular sialic acids in patients with membranous nephropathy. Yagame M, et al. **Acta Pathol Jpn** 1986 Dec; 36(12):1807–11

Glomerulonephritis with focal and segmental distribution of glomerular basement membrane antigen(s). Hara M, et al. **Am J Clin Pathol** 1986 Dec;86(6):792–7

Glomerulonephritis with absent glomerular basement membrane antigens and no family history of renal diseases. Hara M, et al. **Am J Nephrol** 1987;7(1):69–70

Idiopathic linear glomerular IgA deposition. Fivush B, et al. **Arch Pathol Lab Med** 1986 Dec;110(12):1189–91

Focal and segmental glomerulosclerosis. Immunohistologic study of 20 renal biopsy specimens. Gephardt GN, et al. **Arch Pathol Lab Med** 1986 Oct;110(10):902–5

Quantitation of the intrarenal uptake of immunoglobulin aggregates by macrophages in diffuse proliferative glomerulonephritis. Boyce NW, et al. **Clin Exp Immunol** 1986 Jun;64(3):638–45

Role of antigenic charge and antibody avidity on the glomerular immune complex localization in serum sickness of mice. Koyama A, et al. **Clin Exp Immunol** 1986 Jun; 64(3):606–14

A simple technique for detecting the antigen of Heymann nephritis in glomeruli by immunofluorescence. Makker SP, et al. **Clin Exp Immunol** 1986 Jun;64(3):615–22

Amount of antibody is critical for immune complex displacement by charge competition from both rabbit glomeruli and anionic beads. Raj AS, et al. **Clin Exp Immunol** 1986 Jun;64(3):629–37

Modification of immune complexes deposited in glomeruli in tissue sections treated with sulfonized gamma-globulin. Sato M, et al. **Clin Exp Immunol** 1986 Jun;64(3):623–8

Lymphocyte expression of a 90 kD brush border antigen. Van Leer EH, et al. **Clin Exp Immunol** 1987 Mar; 67(3):572–80

Identification of Goodpasture target antigens in basement membranes of human glomeruli, lung, and placenta. Weber M, et al. **Clin Exp Immunol** 1987 Feb;67(2):262–9

Studies on the formation of glomerular immune deposits in brown Norway rats injected with mercuric chloride. Fukatsu A, et al. **Clin Immunol Immunopathol** 1987 Oct; 45(1):35–47

Monoclonal antibodies to human glomerular antigens. II. Using human adult kidney components as antigens. Nakamura T. **Clin Immunol Immunopathol** 1986 Dec; 41(3):399–408

Inherited variations in glomerular handling of antigen between Lewis and DA rats. Jones JM, et al. **Clin Sci** 1986 Nov;71(5):565–72

Production of monoclonal antibody probes specific for nonbasement membrane glomerular capillary wall antigens in the rat. Nicol MJ, et al. **Hybridoma** 1987 Aug;6(4):337–47

Expression of glomerular C3b receptor activity in normal human kidneys. Matre R, et al. **Immunol Lett** 1987 Apr; 14(4):321–3

Proteolytic enzyme treatment reduces glomerular immune deposits and proteinuria in passive Heymann nephritis. Nakazawa M, et al. **J Exp Med** 1986 Dec 1;164(6):1973–87

Removal of glomerular deposits induced by either preformed immune complexes or by a chronic immune complex model in NZB/W mice. Haakenstad AO. **J Immunol** 1987 Jun 15;138(12):4192–9

Murine monoclonal anti-DNA antibodies bind directly to glomerular antigens and form immune deposits. Madaio MP, et al. **J Immunol** 1987 May 1;138(9):2883–9

Removal of subepithelial immune complexes with excess unaltered or cationic antigen. Agodoa LY, et al. **Kidney Int** 1987 Jul;32(1):13–8

Direct antiGBM antibody induced alterations in glomerular permselectivity. Boyce NW, et al. **Kidney Int** 1986 Nov; 30(5):666–72

Glomerulonephritis induced in sheep by immunization with human glomerular basement membrane. Bygren P, et al. **Kidney Int** 1987 Jan;31(1):25–31

Detection of both isotypes of complement C4, C4A and C4B, in normal human glomeruli. Feucht HE, et al. **Kidney Int** 1986 Dec;30(6):932–6

Interaction of immune complexes with glomerular heparan sulfate-proteoglycans. Kanwar YS, et al. **Kidney Int** 1986 Dec;30(6):842–51

Quantitation of exogenous and endogenous components of glomerular immune deposits. Salant DJ, et al. **Kidney Int** 1986 Aug;30(2):255–63 (74 ref.)

Monoclonal antibodies and identification of glomerular antigens. Verroust P, et al. **Kidney Int** 1986 Nov; 30(5):649–55 (88 ref.)

The role of mesangial complement in the hematuria of experimental IgA nephropathy. Emancipator SN, et al. **Lab Invest** 1987 Sep;57(3):269–76

In vivo induction of Ia antigen in resident leukocytes in the normal rat renal glomerulus. Gurner A, et al. **Lab Invest** 1986 Nov;55(5):546–50

A single autoantigen in Goodpasture's syndrome identified by a monoclonal antibody to human glomerular basement membrane. Pusey CD, et al. **Lab Invest** 1987 Jan; 56(1):23–31

Characterisation and specificity of glomerular basement membrane antigens identified by sera of patients with anti-GBM nephritis. Wingen AM, et al. **Nephrol Dial Transplant** 1986;1(3):155–63

Gouty kidney associated with membranous nephropathy: participation of renal tubular epithelial antigen. Yokoyama H, et al. **Nephron** 1986;44(4):361–4

Monoclonal antibody (KI-13) against glomerular cytoskeletal protein, produced by immunization with cultured mesangial cells from rabbits. Kawaguchi H, et al. **Nippon Jinzo Gakkai Shi** 1986 Sep;28(9):1187–95

Mechanisms of immune deposit formation in renal glomeruli. Wener MH, et al. **Springer Semin Immunopathol** 1986; 9(2-3):219–35 (81 ref.)

Positive B lymphocyte crossmatch and glomerular rejection in renal transplant recipients. Russ GR, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):785–8

[Absence of in vivo binding of deoxyribonucleic acid to the glomerular basement membrane in C57BL/6 mice] Cukier R, et al. **C R Acad Sci [III]** 1986;303(4):109–12 (Eng. Abstr.) **(Fre)**

[Antiglomerular basement membrane antibody-mediated nephritis: incidence and morphological appearance in biopsy materials] Schneider W, et al. **Zentralbl Allg Pathol** 1986;132(5–6):459–70 (Eng. Abstr.) **(Ger)**

[Hepatitis B virus-related nephropathy in adults] Katagiri M. **Nippon Jinzo Gakkai Shi** 1986 Nov;28(11):1437–47 (Eng. Abstr.) **(Jpn)**

[Experimental autoimmune Heymann nephritis induced by immunization with rabbit anti-brush border antibody associated glomeruli] Totsuka D, et al. **Nippon Jinzo Gakkai Shi** 1986 Aug;28(8):1091–9 (Eng. Abstr.) **(Jpn)**

[Enzyme immunoassay of anti-renal basement membrane antibodies] Yoshioka K, et al. **Nippon Jinzo Gakkai Shi** 1986 Oct;28(10):1321–8 (Eng. Abstr.) **(Jpn)**

[Correlations between the presence of dense deposits in the kidney glomeruli and circulating immune complexes in the sera of patients with glomerulonephritis] Niemir Z, et al. **Pol Arch Med Wewn** 1986 Jun;75(6):408–16 (Eng. Abstr.) **(Pol)**

METABOLISM

Decrease in the sialoglycoprotein content of the glomerular basement membrane in experimental nephrosis. Quataker J. **Acta Histochem [Suppl] (Jena)** 1987;34:107–8

Griffonia simplicifolia I-A4 staining of mice glomerular tufts and its alteration in diabetic mice. Yonezawa S, et al. **Acta Pathol Jpn** 1986 Nov;36(11):1653–8

Regional heterogeneity of glycoconjugate distribution in the glomerulus revealed by lectin-gold cytochemistry and SDS-PAGE [published erratum appears in Am J Pathol 1987 Aug;128(2):216] Brown D, et al. **Am J Pathol** 1986 Dec;125(3):601–10

Glomerular endothelial cells secrete a heparinlike inhibitor and a peptide stimulator of mesangial cell proliferation. Castellot JJ Jr, et al. **Am J Pathol** 1986 Dec;125(3):493–500

Changes in glomerular heparan sulfate in puromycin aminonucleoside nephrosis. Groggel GC, et al. **Am J Pathol** 1987 Sep;128(3):521–7

Distribution of intermediate filament proteins in normal and diseased human glomeruli. Stamenkovic I, et al. **Am J Pathol** 1986 Dec;125(3):465–75

Trypsin- and chymotrypsin-induced chemiluminescence by isolated rat glomeruli. Basci A, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):C611–7

Effect of stimulated neutrophils on cyclic nucleotide content in isolated rat glomeruli. Basci A, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F429–36

Distinct localization of atrial natriuretic factor and angiotensin II binding sites in the glomerulus. Bianchi C, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):F594–602

In vivo demonstration of glomerular PGE2 responses to physiological manipulations and experimental agents. Schlondorff D, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F717–23

High protein intake stimulates glomerular prostaglandin formation in remnant kidneys. Stahl RA, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1088–94

Distribution of intravenously injected cationized ferritin within developing glomerular basement membranes of newborn rat kidneys. Abrahamson DR, et al. **Anat Rec** 1986 Dec;216(4):534–43

Metabolism of glomerular basement membrane in short- and long-term streptozotocin diabetic rats. Reddi AS. **Arch Int Physiol Biochim** 1986 Sep;94(3):205–18

Minimal renal amyloidosis with nephrotic syndrome. Jones BA, et al. **Arch Pathol Lab Med** 1986 Oct;110(10):889–92

Inhibition of neutrophil-mediated degradation of isolated basement membrane collagen by nonsteroidal antiinflammatory drugs that inhibit degranulation. Neal TM, et al. **Arthritis Rheum** 1987 Aug;30(8):908–13

Specific binding of atrial natriuretic factor to renal glomeruli in Doca- and Doca-salt-treated rats correlation with atrial and plasma levels. Gauquelin G, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):522–31

Association of the atrial natriuretic factor receptor with guanylate cyclase in solubilized rat glomerular membranes. Hamada M, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):257–62

Different concentrations of pertussis toxin have opposite effects on agonist-induced PGE2 formation in mesangial cells. Schlondorff D, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):39–45

Phosphoinositide turnover enhanced by angiotensin II in isolated rat glomeruli. Ochi S, et al. **Biochim Biophys Acta** 1987 Jan 19;927(1):100–5

Deposition of fibrin-stabilizing factor (F XIIIA and S), fibrinogen-related antigens, fibrinogen degradation products (FDPd and FDPe) and antihemolytic factor (F VIII) in renal disease: analysis of 161 cases by immunofluorescence microscopy. Colasanti G, et al. **Clin Nephrol** 1987 Jul;28(1):28–34

Effect of a thromboxane synthetase inhibitor on eicosanoid synthesis and glomerular injury during acute unilateral glomerulonephritis in the rat. Cook HT, et al. **Clin Nephrol** 1986 Oct;26(4):195–202

Glomerular binding sites for peanut agglutinin in acute poststreptococcal glomerulonephritis. Mosquera JA, et al. **Clin Nephrol** 1986 Nov;26(5):227–34

Renin-angiotensin system and glomerular prostaglandins in early nephrotoxicity of ciclosporin. Perico N, et al. **Contrib Nephrol** 1986;51:120–5

Fibronectin binding to glomerular basement membrane is altered in diabetes. Cohen MP, et al. **Diabetes** 1987 Jun; 36(6):758–63

Glomerular proteoglycans in diabetes. Partial structural characterization and metabolism of de novo synthesized heparan-35SO4 and dermatan-35SO4 proteoglycans in streptozocin-induced diabetic rats. Klein DJ, et al. **Diabetes** 1986 Oct;35(10):1130–42

Aldose reductase inhibition, glomerular metabolism, and diabetic nephropathy. Cohen M. **Diabetic Med** 1985 May; 2(3):203–6

Studies on glomerular basement membrane in experimental diabetes using lectin histochemistry in Wistar rats. Hawthorne GC, et al. **Diabetologia** 1986 Aug;29(8):495–9

Reduced glomerular angiotensin II receptor density in diabetes mellitus in the rat: time course and mechanism. Wilkes BM. **Endocrinology** 1987 Apr;120(4):1291–8

Subpressor infusions of angiotensin II alter glomerular binding, prostaglandin E2, and cyclic AMP production. Douglas JG. **Hypertension** 1987 Jun;9(6 Pt 2):III49–56

Effect of vasoactive agents on prostanoid synthesis in isolated rat glomeruli. Podjarny E, et al. **Isr J Med Sci** 1986 Nov; 22(11):797–800

Partial characterization of heparan and dermatan sulfate proteoglycans synthesized by normal rat glomeruli. Klein DJ, et al. **J Biol Chem** 1986 Dec 15;261(35):16636–52

Alport familial nephritis. Absence of 28 kilodalton non-collagenous monomers of type IV collagen in glomerular basement membrane. Kleppel MM, et al. **J Clin Invest** 1987 Jul;80(1):263–6

Glycosylation of developing human glomeruli: lectin binding sites during cell induction and maturation. Holthöfer H, et al. **J Histochem Cytochem** 1987 Jan;35(1):33–7

Platelet activating factor biosynthesis and degradation in rat glomeruli. Zanglis A, et al. **J Lab Clin Med** 1987 Sep; 110(3):330–7

Platelet cationic proteins are present in glomeruli of lupus nephritis patients. Camussi G, et al. **Kidney Int** 1986 Oct; 30(4):555–65

Status of glomerular proteoglycans in aminonucleoside nephrosis. Lelongt B, et al. **Kidney Int** 1987 Jun; 31(6):1299–310

Glomerular epithelial cell, polyanion neutralization is associated with enhanced prostanoid production. Pugliese F, et al. **Kidney Int** 1987 Jul;32(1):57–61

Human glomeruli release fatty acids which stimulate thromboxane synthesis in platelets. Sraer J, et al. **Kidney Int** 1987 Jul;32(1):62–8

Enhanced glomerular prostaglandin formation in experimental membranous nephropathy. Stahl RA, et al. **Kidney Int** 1987 May;31(5):1126–31

Recent advances in the biochemistry of glomerular basement membrane. Timpl R. **Kidney Int** 1986 Sep;30(3):293–8 (82 ref.)

Polycation binding to glomerular basement membrane. Effect of biochemical modification. Bertolatus JA, et al. **Lab Invest** 1987 Feb;56(2):170–9

Atrial natriuretic peptide binding properties of purified rat glomerular membranes. Hamada M, et al. **Life Sci** 1987 Apr 27;40(17):1731–7

Sequential alterations in glomerular prostaglandin and thromboxane synthesis in diabetic rats: relationship to the hyperfiltration of early diabetes. Craven PA, et al. **Metabolism** 1987 Jan;36(1):95–103

Glomeruli and microvessels of the rabbit kidney contain both A1- and A2-adenosine receptors. Freissmuth M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Apr; 335(4):438–44

Leukotriene B4 production in normal rat glomeruli. Cattell V, et al. **Nephrol Dial Transplant** 1987;2(3):154–7

Evidence for developmental changes of type IV collagen in glomerular basement membrane. Wingen AM, et al. **Nephron** 1987;45(4):302–5

Atrial natriuretic peptide receptors along the rat and rabbit nephrons: [125I] alpha-rat atrial natriuretic peptide binding in microdissected glomeruli and tubules. Butlen D, et al. **Pflugers Arch** 1987 Apr;408(4):356–65

Atrial natriuretic peptide effects on cGMP and cAMP contents in microdissected glomeruli and segments of the rat and rabbit nephrons. Chabardès D, et al. **Pflugers Arch** 1987 Apr;408(4):366–72

[The effects of human recombinant interleukin 2 (hr IL-2) on the permeability of glomerular basement membrane in rats] Kawaguchi H, et al. **Nippon Jinzo Gakkai Shi** 1987 Jan;29(1):1–11 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Thickness of renal glomerular capillary basement membrane in the offspring of diabetic rats fed a regular or high-sucrose diet. Altshuler G, et al. **Acta Anat (Basel)** 1986;126(4):237–9

Effect of dehydration on the glomerular granular cells in new-born rat kidney. Dhiab al Naimi AA, et al. **Acta Anat (Basel)** 1986;127(3):176–8

Altered glomerular localization of heparan sulfate proteoglycan in experimental nephritides. Uchida M, et al. **Acta Pathol Jpn** 1986 Jun;36(6):827–38

Overlapping IgA and membranous nephropathy. Jennette JC, et al. **Am J Clin Pathol** 1987 Jul;88(1):74–8

The glomerular basement membrane abnormality in Alport's syndrome. Bernstein J. **Am J Kidney Dis** 1987 Sep; 10(3):222–9

Glomerular lesions in the transplanted kidney in children. Habib R, et al. **Am J Kidney Dis** 1987 Sep;10(3):198–207

Rapidly progressive glomerulonephritis (crescentic glomerulonephritis) in the course of type I idiopathic membranoproliferative glomerulonephritis. Korzets Z, et al. **Am J Kidney Dis** 1987 Jul;10(1):56–61

Histologic features that correlate with the prognosis of patients with lupus nephritis. Lewis EJ, et al. **Am J Kidney Dis** 1987 Sep;10(3):192–7

Re: Twin and triplet glomeruli [letter] Weiss L, et al. **Am J Kidney Dis** 1986 Oct;8(4):280

Isolation and characterization of inflammatory leukocytes from glomeruli in an in situ model of glomerulonephritis in the rat. Cook HT, et al. **Am J Pathol** 1987 Jan; 126(1):126–36

A role for thromboxane in complement-mediated glomerular injury. Cybulsky AV, et al. **Am J Pathol** 1987 Jul; 128(1):45–51

Glomerular epithelial abnormalities associated with the onset of proteinuria in aminonucleoside nephrosis. Messina A, et al. **Am J Pathol** 1987 Feb;126(2):220–9

Serologic and pathologic studies of mice immunized with homologous fibronectin. Murphy-Ullrich JE, et al. **Am J Pathol** 1986 Oct;125(1):182–90

Glomerular epithelial cell function and pathology following extreme ablation of renal mass. Schwartz MM, et al. **Am J Pathol** 1987 Feb;126(2):315–24

Glomerular size selectivity in nephrotic rats exposed to diets with different protein content. Remuzzi A, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F318–27

A unique familial lobular glomerulopathy. Tuttle SE, et al. **Arch Pathol Lab Med** 1987 Aug;111(8):726–31

Effects of heparin and defibrinotide on malignant hypertension in rats. Kamitsuji H, et al. **Clin Exp Hypertens [A]** 1986;8(6):1009–32

The glomerular tip lesion: a steroid responsive nephrotic syndrome. Beaman M, et al. **Clin Nephrol** 1987 May; 27(5):217–21

Typing of intraglomerular mononuclear cells associated with transplant glomerular rejection. Hiki Y, et al. **Clin Nephrol** 1986 Nov;26(5):244–9

Glomerulopathy in spontaneously diabetic rat. Impact of glycemic control. Cohen AJ, et al. **Diabetes** 1987 Aug; 36(8):944–51

Advanced diabetic glomerulopathy. Quantitative structural characterization of nonoccluded glomeruli. Osterby R, et al. **Diabetes** 1987 May;36(5):612–9

Distribution of endogenous albumin in the glomerular wall of streptozotocin-induced diabetic rats as revealed by high-resolution immunocytochemistry. Bendayan M, et al. **Diabetologia** 1986 Dec;29(12):868–75

The cortical distribution pattern of diabetic glomerulopathy [letter] Morita T, et al. **Diabetologia** 1986 Sep;29(9):673

Urinary calculi in association with glomerular immaturity. Bettex M, et al. **Eur Urol** 1987;13(3):182–5

Extensive glomerular immaturity associated with renal tubular acidosis, nephrogenic diabetes insipidus and nephrocalcinosis. Engelhardt G, et al. **Eur Urol** 1987; 13(3):186–92

The origin of cells in the glomerular crescent investigated by the use of monoclonal antibodies. Harrison DJ, et al. **Histopathology** 1986 Sep;10(9):945–52

Chronic glomerular microangiopathy complicating metastatic carcinoma. Hostetter AL, et al. **Hum Pathol** 1987 Apr;18(4):342–8

Chronic glucocorticoid therapy amplifies glomerular injury in rats with renal ablation. Garcia DL, et al. **J Clin Invest** 1987 Sep;80(3):867–74

Degradation of human glomerular basement membrane by stimulated neutrophils. Activation of a metalloproteinase(s) by reactive oxygen metabolites. Shah SV, et al. **J Clin Invest** 1987 Jan;79(1):25–31

Thin basement membrane syndrome in adults. Abe S, et al. **J Clin Pathol** 1987 Mar;40(3):318–22

Glomerular function and morphology after renal mass reduction in dogs. Bourgoignie JJ, et al. **J Lab Clin Med** 1987 Apr;109(4):380–8

Changes at the glomerular tip: a feature of membranous nephropathy and other disorders associated with proteinuria. Howie AJ. **J Pathol** 1986 Sep;150(1):13–20

Effects of continuous subcutaneous insulin infusion on renal morphology in experimental diabetes. II. Glomerular basement membrane thickness. Mayhew TM, et al. **J Pathol** 1987 Feb;151(2):157–61

Neoplasia and glomerular injury. Alpers CE, et al. **Kidney Int** 1986 Oct;30(4):465–73 (131 ref.)

Platelet activating factor (PAF) as a mediator of injury in nephrotoxic nephritis. Bertani T, et al. **Kidney Int** 1987 Jun;31(6):1248–56

Hemodynamically mediated glomerular injury and the progressive nature of kidney disease [clinical conference] Brenner BM. **Kidney Int** 1983 Apr;23(4):647–55

Reversing glomerular hypertension stabilizes established glomerular injury. Meyer TW, et al. **Kidney Int** 1987 Mar; 31(3):752–9

Intraglomerular T cells and monocytes in nephritis: study with monoclonal antibodies. Nolasco FE, et al. **Kidney Int** 1987 May;31(5):1160–6

Glomerular abnormalities in patients receiving angiotensin converting enzyme inhibitor therapy. Lewis EJ. **Kidney Int [Suppl]** 1987 May;20:S138–42 (25 ref.)

Relationship between the integrity of Bowman's capsule and the composition of cellular crescents in human crescentic glomerulonephritis. Boucher A, et al. **Lab Invest** 1987 May; 56(5):526–33

Glomerular epithelial cell structure and function in chronic proteinuria induced by homologous protein-load. Schwartz MM, et al. **Lab Invest** 1986 Dec;55(6):673–9

Evaluation and correlation of clinical and histological features of focal segmental glomerulosclerosis. Miyata J, et al. **Nephron** 1986;44(2):115–20

Quantitation of intraglomerular Ia positive cells and T cells in the experimental glomerulonephritis. Kawaguchi H, et al. **Nippon Jinzo Gakkai Shi** 1987 Mar;29(3):323–33

Clinico-pathological study of atypical membranoproliferative glomerulonephritis. Yoshida Y, et al. **Nippon Jinzo Gakkai Shi** 1987 Mar;29(3):283–91

Primary glomerular diseases (primary glomerulopathies). Rosenberg HG. **Pathol Res Pract** 1986 Oct;181(5):489–523 (219 ref.)

Membranoproliferative glomerulonephritis with IgA deposits in patients with alcoholic cirrhosis. Ferrario G, et al. **Pathologica** 1986 Jul-Aug;78(1056):469–78

Glomerular epithelial cell lesions in rat renal isografts. Lambert R, et al. **Pathology** 1987 Jan;19(1):31–7

Basement membrane proteoglycans of the kidney. Kanwar YS, et al. **Semin Nephrol** 1985 Dec;5(4):307–13

Focal segmental glomerulosclerosis with crescent—a case report. Shu KH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Jun;85(6):643–8

Correlation of paramesangial deposits and glomerular sclerosis and/or hyalinosis in patients with IgA nephropathy. Tomino Y, et al. **Tokai J Exp Clin Med** 1986 Oct;11(4):235–9

The prognostic significance of the presence of monocytes in glomeruli of renal transplant allografts. Om A, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1618–22

Electron microscopic and immunohistochemical analysis of glomerular deposits in patients with bronchogenic carcinoma. Davis S, et al. **Ultrastruct Pathol** 1980 Oct-Dec; 1(4):527–31

The quarterly case: nephrotic syndrome in a middle-aged man. Schwartz MM, et al. **Ultrastruct Pathol** 1980 Oct-Dec;1(4):575–82

Glomerulopathy in a cat with cyanotic congenital heart disease. Shirota K, et al. **Vet Pathol** 1987 May;24(3):280–2

Kidney lesions in cattle persistently infected with bovine viral diarrhoea virus. Hewicker M, et al. **Zentralbl Veterinarmed [B]** 1987 Feb;34(1):1–12

[Study of the relationship between fibronectin and sclerosis of renal glomeruli] Zhang YE. **Chung-hua Ping Li Hsueh Tsa Chih** 1987 Mar;16(1):36–9 (Eng. Abstr.) **(Chi)**

[Macrophage infiltration in human glomerulonephritis: histochemical study by the non-specific esterase method] Oko A, et al. **Nephrologie** 1986;7(5):190–4 (Eng. Abstr.) **(Fre)**

[Pathomorphological differential diagnosis of glomerular lesions in diabetics] Ditscherlein G, et al. **Zentralbl Allg Pathol** 1986;132(5–6):487–501 (Eng. Abstr.) **(Ger)**

[Glomerular lesions in primary biliary cirrhosis] Koshino Y, et al. **Nippon Jinzo Gakkai Shi** 1986 Oct;28(10):1385–91 (Eng. Abstr.) **(Jpn)**

[Primary mesangiocapillary glomerulonephritis] Diadyk AI, et al. **Klin Med (Mosk)** 1987 Apr;65(4):56–60 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The glomerular and tubular actions of angiotensin II. Blantz RC. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):2–6 (39 ref.)

A mechanism by which atrial natriuretic factor mediates its glomerular actions. Appel RG, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):F1036–42

Contractile effects of TxA2 and endoperoxide analogues on cultured rat glomerular mesangial cells. Mené P, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):F1029–35

Modulation of renal adrenergic effector mechanisms by calcium entry blockers. Pelayo JC. **Am J Physiol** 1987 Apr; 252(4 Pt 2):F613–20

In vitro effects of angiotensin II on glomerular function. Savin VJ. **Am J Physiol** 1986 Oct;251(4 Pt 2):F627–34

Modification of tubuloglomerular feedback signal by dietary protein. Seney FD Jr, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F83–90

Endocytosis by cultured mesangial cells and associated changes in prostaglandin E2 synthesis. Singhal PC, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F627–34

Altered reactivity of tubuloglomerular feedback. Arendshorst WJ. **Annu Rev Physiol** 1987;49:295–317 (52 ref.)

Calcium as a mediator of tubuloglomerular feedback. Bell PD, et al. **Annu Rev Physiol** 1987;49:275–93 (72 ref.)

The tubuloglomerular feedback mechanism: functional and biochemical aspects. Briggs JP, et al. **Annu Rev Physiol** 1987;49:251–73 (136 ref.)

Atrial natriuretic peptide inhibits glomerular contraction induced by angiotensin II and platelet activating factor. Barrio V, et al. **Eur J Pharmacol** 1987 Mar 3;135(1):93–6

The absence of an arterial pressure effect on filtration by perfused glomeruli of the hagfish, Eptatretus stouti (Lockington). Riegel JA. **J Exp Biol** 1986 Nov;126:361–74

Renal vasoconstrictor response to hypertonic saline in the dog: effects of prostaglandins, indomethacin and theophylline. Gerber JG, et al. **J Physiol (Lond)** 1986 Nov; 380:35–43

Polyunsaturated fatty acids increase fibrinolytic activity of human isolated glomeruli. Rondeau E, et al. **Kidney Int** 1986 Nov;30(5):701–5

Effect of decreased perfusion pressure on glomerular permeability in the rat. Weening JJ, et al. **Lab Invest** 1987 Aug;57(2):144–9

Atrial natriuretic peptide causes pre-glomerular vasodilatation and post-glomerular vasoconstriction in rat kidney. Marin-Grez M, et al. **Nature** 1986 Dec 4–10; 324(6096):473–6

Glomerular permeability in the isolated perfused rat kidney. Lambert RW, et al. **Pathology** 1986 Oct;18(4):449–52

Effects of various transport inhibitors on oscillating TGF pressure responses in the rat. Leyssac PP, et al. **Pflugers Arch** 1986 Sep;407(3):285–91

Effective hydraulic permeability of the glomerular capillary wall in rats after uninephrectomy. Neumann KH, et al. **Renal Physiol** 1986;9(5):270–8

Physiologically regulated atrial natriuretic peptide receptors in renal glomeruli. Ballermann BJ, et al. **Trans Assoc Am Physicians** 1985;98:92–100

Recovery of glomerular and tubular function in autotransplanted dog kidneys preserved by hypothermic storage or machine perfusion. Relation of initial function to long-term function. Gregg CM, et al. **Transplantation** 1986 Nov;42(5):453–8

[Experimental renal kinetic function analysis using Gd-DTPA enhanced MRI—the separation analysis of glomerular and tubular functions] Ikehira H. **Kaku Igaku** 1987 Mar;24(3):263–72 (Eng. Abstr.) **(Jpn)**

[Immunofluorescence research on the permeability of the kidney biological barriers for serum proteins] Gorban' VA. **Vrach Delo** 1986 Oct;(10):56–7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Glomerular dynamics in the hypothyroid rat and the role of the renin-angiotensin system. Gillum DM, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F170–9

Glomerular angiotensin II receptor modulation in glycerol-induced acute renal failure. Wilkes BM, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F109–14

Control of renal hemodynamics in hyperglycemia: possible role of tubuloglomerular feedback. Woods LL, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F65–73

Renal functional relationships in dogs with glomerulopathies. Allen TA, et al. **Am J Vet Res** 1987 Apr;48(4):610–2

Functional nature of glomerular injury in progressive diabetic glomerulopathy. Tomlanovich S, et al. **Diabetes** 1987 May; 36(5):556–65

Dietary protein restriction in established renal injury in the rat. Selective role of glomerular capillary pressure in progressive glomerular dysfunction. Nath KA, et al. **J Clin Invest** 1986 Nov;78(5):1199–205

Renal haemodynamics in spontaneously hypertensive rats with superficial glomeruli. Higa EM, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S379–81

Evidence against increased glomerular pressure initiating diabetic nephropathy. Bank N, et al. **Kidney Int** 1987 Apr; 31(4):898–905

Glomerular sieving of high molecular weight proteins in proteinuric rats. Bertolatus JA, et al. **Kidney Int** 1987 Jun; 31(6):1257–66

Glomerular response mechanisms to glycemic changes in insulin-dependent diabetics. Wiseman MJ, et al. **Kidney Int** 1987 Apr;31(4):1012–8

Quantitation and characterization of glomerular procoagulant activity in experimental glomerulonephritis. Tipping PG, et al. **Lab Invest** 1987 Feb;56(2):155–9

Tubuloglomerular feedback in chronic renal failure. Slomowitz L. **Nephron** 1987;45(4):264–71 (98 ref.)

Microalbuminuria and normal protein filtration in the kidney. Shand B. **NZ Med J** 1987 Feb 25;100(818):108–10

[Renal glomerular function and biological indicators of lead in steel industry workers with past absorption of lead] Baruffini A, et al. **Med Lav** 1987 Mar-Apr;78(2):117–23 (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

Reliability of single kidney glomerular filtration rate measured by a 99mTc-DTPA gamma camera technique. Rehling M, et al. **Uremia Invest** 1985–86;9(2):171–6

SECRETION

Calcium and the control of renin secretion. Fray JC, et al. **Endocr Rev** 1987 Feb;8(1):53–93 (417 ref.)

Dopamine regulation of aldosterone secretion: an open question? [editorial] Fraser R. **J Endocrinol** 1987 Feb; 112(2):179–81

ULTRASTRUCTURE

Differences between membranoproliferative glomerulonephritis types I and III in clinical presentation, glomerular morphology, and complement perturbation. Jackson EC, et al. **Am J Kidney Dis** 1987 Feb;9(2):115–20

Ultrastructural study of gaps of the glomerular basement membrane in IgA nephropathy. Terasaki T, et al. **Am J Nephrol** 1986;6(6):443–9

Glomerular basement membrane anionic charge site changes early in aminonucleoside nephrosis. Mahan JD, et al. **Am J Pathol** 1986 Nov;125(2):393–401

The structural relationship between mesangial cells and basement membrane of the renal glomerulus. Sakai T, et al. **Anat Embryol (Berl)** 1987;176(3):373–86

SEM studies of acellular glomerular basement membrane in human diabetic glomerulopathy. Carlson EC, et al. **Anat Rec** 1986 Nov;216(3):349–58

The elasmobranch renal corpuscle: fine structure of Bowman's capsule and the glomerular capillary wall. Lacy

ER, et al. **Anat Rec** 1987 Jul;218(3):294–305
Intraglomerular tubular epithelial cells. A marker of glomerular hematuria. Valdes AJ, et al. **Arch Pathol Lab Med** 1987 Feb;111(2):189–91
A comparison of anionic sites in the glomerular basement membranes from different classes of fishes. Boyd RB, et al. **Cell Tissue Res** 1986;245(3):513–7
Glomerular ultrastructure of the trout, Salmo gairdneri: effects of angiotensin II and adaptation to seawater. Gray CJ, et al. **Cell Tissue Res** 1987 Aug;249(2):437–42
Quantitative glomerular morphology of the normal and diabetic baboon kidney. Stout LC, et al. **Diabetologia** 1986 Oct;29(10):734–40
Glomerular basement membrane abnormalities associated with apparently idiopathic hematuria: ultrastructural morphometric analysis. Coleman M, et al. **Hum Pathol** 1986 Oct;17(10):1022–30
Lysis of the glomerular basement membrane in children with IgA nephropathy and Henoch–Shönlein nephritis. Yoshikawa N, et al. **J Pathol** 1986 Oct;150(2):119–26
Demonstration and characterization of C3 receptors on rat glomerular epithelial cells. Kasinath BS, et al. **Kidney Int** 1986 Dec;30(6):852–61
Effect of beta–D–xyloside on the renal glomerular cells. II. Morphological studies. Kanwar YS, et al. **Lab Invest** 1987 Feb;56(2):160–9
An ultrastructural morphometric study of membranous glomerulonephritis. Aparicio SR, et al. **Nephrol Dial Transplant** 1986;1(1):22–30
Focal and segmental glomerular sclerosis observed in preeclamptic nephropathy. Koda Y, et al. **Nippon Jinzo Gakkai Shi** 1987 Mar;29(3):347–55
Glomerular extracellular roughly granular material (ERGM). Its autofluorescent property and the question of its nuclear origin. Guettier C, et al. **Pathol Res Pract** 1987 Apr; 182(2):244–7
Permeation of endogenous IgG with an anionic subpopulation into glomerular basement membrane in rat. Makker SP, et al. **Proc Soc Exp Biol Med** 1986 Dec; 183(3):382–91
Functional aspects of renal glomeruli based on scanning electron microscopy of corrosion casts, with special emphasis on reptiles and birds. Ditrich H, et al. **Scan Electron Microsc** 1986;(Pt 2):591–7
Interaction of toxic cations with the glomerulus: binding of Ni to purified glomerular basement membrane. Templeton DM. **Toxicology** 1987 Jan;43(1):1–15
Acellular scanning electron microscopy of spicular renal amyloidosis. Bonsib SM, et al. **Ultrastruct Pathol** 1986; 10(6):497–504
Ultrastructure, renin status, contractile and electrophysiological properties of the afferent glomerular arteriole in the rat hydronephrotic kidney. Nobiling R, et al. **Virchows Arch [A]** 1986;410(1):31–42
Glomerular sclerotic lesions in the rat. Histochemical analysis of their macromolecular and cellular composition. Grond J, et al. **Virchows Arch [B]** 1986;51(6):521–34
[Pathology of the basement membrane of Bowman's capsule] Tóth T. **Morphol Igazsagugyi Orv Sz** 1987 Apr;27(2):99–105 (Eng. Abstr.) **(Hun)**
[Ultrastructural alterations of glomerular anionic sites in idiopathic membranous glomerulonephritis] Yano I, et al. **Nippon Jinzo Gakkai Shi** 1986 Oct;28(10):1311–9 (Eng. Abstr.) **(Jpn)**
[Morphological changes in the kidney glomeruli in gout] Dikshtein EA, et al. **Arkh Patol** 1986;48(9):54–8 (Eng. Abstr.) **(Rus)**
[Characteristics of the cytoskeleton structure of podocytes in vertebrates] Zaitsev VB, et al. **Tsitologiia** 1986 Sep; 28(9):926–31 (Eng. Abstr.) **(Rus)**

KIDNEY MEDULLA

Ectopic renal papilla: a benign renal pelvic filling defect. Benton O. **Urology** 1987 Apr;29(4):423–5
Case profile: intrapelvic aberrant renal papilla. Bourne CW. **Urology** 1987 Apr;29(4):448–9
[Aberrant renal papilla. Peroperative nephroscopy. Conservative surgery. Apropos of a case] Dore B, et al. **J Urol (Paris)** 1986;92(5):303–6 (Eng. Abstr.) **(Fre)**
[Sporadic form of medullary cystic disease with renal atrophy in a 21-year-old male] Labon M, et al. **Pol Tyg Lek** 1986 Sep 29;41(39):1251–2 **(Pol)**

ANALYSIS

Purification of Ca2+-activated K+ channel protein on calmodulin affinity columns after detergent solubilization of luminal membranes from outer renal medulla. Klaerke DA, et al. **FEBS Lett** 1987 Jun 1;216(2):211–6
Localization of 125I-atrial natriuretic factor (ANF)-binding sites in rat renal medulla. A light and electron microscope autoradiographic study. Bianchi C, et al. **J Histochem Cytochem** 1987 Feb;35(2):149–53
Osmotically active organic solutes in the renal inner medulla. Balaban RS, et al. **Kidney Int** 1987 Feb;31(2):562–4 (21 ref.)
Composition of renal medullary tissue. Bulger RE. **Kidney Int** 1987 Feb;31(2):556–61 (21 ref.)
Cadmium concentrations in autopsy material from differently polluted areas of West Germany (FRG). Thürauf J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Jul; 182(4):337–47
[Changes in the receptor link during the development of renal sensitivity to aldosterone and antidiuretic hormone] Solenov EI, et al. **Fiziol Zh SSSR** 1986 Dec;72(12):1673–9 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Normal renal papillae simulating caliceal filling defects on sonography. Dillard JP, et al. **AJR** 1987 May;148(5):895–6
Magnetic field dependence (NMRD profile) of 1/T1 of rabbit kidney medulla and urine after intravenous injection of Gd(DTPA). Koenig SH, et al. **Invest Radiol** 1986 Sep; 21(9):697–704
Cycles and separations: the histotopography of the urinary concentrating process. Lemley KV, et al. **Kidney Int** 1987 Feb;31(2):538–48 (37 ref.)

BLOOD SUPPLY

Effect of V2-receptor-mediated changes on inner medullary blood flow induced by AVP. Kiberd B, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F576–81
Atriopeptin III alters renal medullary hemodynamics and the pressure–diuresis response in rats. Takezawa K, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F992–1002
Effects of prostaglandin E2 and I2 on renal cortical and medullary blood flow in rabbits. Yoshida M, et al. **Arch Int Pharmacodyn Ther** 1986 Jul;282(1):108–17
Renal medullary blood flow: its measurement and physiology. Cupples WA. **Can J Physiol Pharmacol** 1986 Jul; 64(7):873–80 (84 ref.)
Models of the medullary microcirculation. McNeely EA, et al. **Kidney Int** 1987 Feb;31(2):662–7 (28 ref.)
The medullary microcirculation. Zimmerhackl BL, et al. **Kidney Int** 1987 Feb;31(2):641–7 (54 ref.)

CYTOLOGY

An immuno-electron-microscopic study of the localization of VIP-like immunoreactivity in the adrenal gland of the rat. Kondo H, et al. **Cell Tissue Res** 1986;245(3):531–8

DRUG EFFECTS

Effect of methyl mercury on prostaglandin synthesis in rabbit kidney medulla slices. Fujimoto Y, et al. **Res Commun Chem Pathol Pharmacol** 1986 Oct;54(1):115–9

ENZYMOLOGY

Na+-K+-ATPase activity in medullary thick ascending limb during short-term anoxia. Chamberlin ME, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F838–43
Desensitization of renal vasopressin-stimulated adenylate cyclase by a vasopressor and antidiuretic antagonist, [1-(beta-mercapto-beta,beta-cyclopentamethylenepropionic acid),2-(O-ethyl)-D-tyrosine, 4-valine]arginine vasopressin. Chang P, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):770–8
Angiotensin converting enzyme predominates in the inner cortex and medulla of the rat kidney. Ikemoto F, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):915–21
Design and kinetic characterization of multisubstrate inhibitors of dopamine beta-hydroxylase. Kruse LI, et al. **Biochemistry** 1986 Nov 18;25(23):7271–8
The metabolism of lyso-platelet-activating factor (1-O-alkyl-2-lyso-sn-glycero-3-phosphocholine) by a calcium-dependent lysophospholipase D in rabbit kidney medulla. Kawasaki T, et al. **Biochim Biophys Acta** 1987 Jul 13;920(1):85–93
Determination of subunit molecular weights of canine renal (Na+,K+)-ATPase by low-angle laser light scattering coupled with high performance gel chromatography in the presence of sodium dodecyl sulfate. Takagi T, et al. **J Biochem (Tokyo)** 1987 Mar;101(3):805–11
Detection and localization of a cytoplasmic domain on the beta-subunit of Na+,K+-ATPase. A monoclonal antibody study. Zibirre R, et al. **J Biol Chem** 1987 Mar 25;262(9):4349–54
Evidence for two different stimulatory adenylate cyclase coupling mechanisms in rat renal papilla. Woodcock EA. **J Cyclic Nucleotide Protein Phosphor Res** 1986; 11(4):301–16
Vasopressin antagonism in the squirrel monkey (Saimiri sciureus). Kinter LB, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):797–803

METABOLISM

Hormonal control of renal medullary functions. de Rouffignac C, et al. **Adv Nephrol** 1987;16:103–23 (43 ref.)
PGE2, PGF2 alpha, 6-keto-PGF1 alpha, and TxB2 synthesis along the rabbit nephron. Farman N, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F53–9
Transepithelial ammonia concentration gradients in inner medulla of the rat. Good DW, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F491–500
Effectiveness of a salt transport cascade in the renal medulla: computer simulations. Lory P. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1095–102
ADH increases apical Na+, K+, 2Cl- entry in mouse medullary thick ascending limbs of Henle. Molony DA, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F177–87
Effect of cAMP on prostaglandin E2 production in cultured rat inner medullary collecting tubule cells. Teitelbaum I, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):F671–7
On the renal inner medullary concentration of sodium. Pinter GG, et al. **Experientia** 1986 Sep 15;42(9):1010–2
Fatty acid binding protein in kidney of normotensive and genetically hypertensive rats. Fujii S, et al. **Hypertension** 1987 Jul;10(1):93–9
Study on pulmonary, prostatic and renal (medulla and cortex) distribution of sagamicin at different time intervals. Fraschini F, et al. **Int J Clin Pharmacol Res** 1987;7(1):51–8
Differentiated distribution of norfloxacin in the medullary-cortical part of the kidney in man. Scaglione F, et al. **Int J Clin Pharmacol Res** 1986;6(5):351–4
Association of a solubilized prostaglandin E2 receptor from renal medulla with a pertussis toxin-reactive guanine nucleotide regulatory protein. Watanabe T, et al. **J Biol Chem** 1986 Oct 15;261(29):13430–7
Sodium regulation of angiotensinogen mRNA expression in rat kidney cortex and medulla. Ingelfinger JR, et al. **J Clin Invest** 1986 Nov;78(5):1311–5
Urea permeability of mammalian inner medullary collecting duct system and papillary surface epithelium. Sands JM, et al. **J Clin Invest** 1987 Jan;79(1):138–47
Renal medullary system of blood pressure control. Muirhead EE, et al. **J Hypertens [Suppl]** 1986 Oct;4(4):S27–32 (65 ref.)
Existence of renal alpha 1- and alpha 2-adrenoceptors in the human kidney: radioligand binding study in membranes from the human renal cortex and medulla. Umemura S, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S222–5
Ammonium transport in medullary thick ascending limb of rabbit kidney: involvement of the Na+,K+,Cl(-)-cotransporter. Kinne R, et al. **J Membr Biol** 1986;94(3):279–84
Na-K-2Cl cotransport in winter flounder intestine and bovine kidney outer medulla: [3H] bumetanide binding and effects of furosemide analogues. O'Grady SM, et al. **J Membr Biol** 1987;96(1):11–8
Effect of pyridoxine on prostaglandin synthesis in rabbit kidney medulla slices. Fujimoto Y, et al. **J Pharm Pharmacol** 1987 Apr;39(4):314–5
Comparison of the effects of Fe2+ and Cu2+ on prostaglandin synthesis in rabbit kidney medulla slices. Fujita T, et al. **J Pharm Pharmacol** 1987 Mar;39(3):230–3
Unilateral renal radiation blood pressure and PGE2-like renal substance. A one-kidney model. Juncos LI, et al. **Medicina (B Aires)** 1986;46(3):281–6
Blood pressure and renal prostaglandin E2-like content in unilateral kidney radiation. A two-kidney model. Juncos LI, et al. **Medicina (B Aires)** 1986;46(3):275–80
Renal handling of sodium, potassium, calcium and phosphate by medulla. Hsu CH. **Miner Electrolyte Metab** 1987; 13(3):147–51
Control of prostaglandin E2 synthesis in cultured rat inner medullary collecting tubule cells: the role of calcium. Teitelbaum I, et al. **Miner Electrolyte Metab** 1986; 12(5-6):308–13
Enhanced binding of 3H-arginine8-vasopressin in the Brattleboro rat. Shewey LM, et al. **Peptides** 1986 Jul-Aug; 7(4):701–4
The anion specificity of the sodium-potassium-chloride cotransporter in rabbit kidney outer medulla: studies on medullary plasma membranes. Kinne R, et al. **Pflugers Arch** 1986;407 Suppl 2:S168–73
Induction of aldose reductase and sorbitol in renal inner medullary cells by elevated extracellular NaCl. Bagnasco SM, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1718–20
Enhanced accumulation of injected inorganic mercury in renal outer medulla after unilateral nephrectomy. Zalups RK, et al. **Toxicol Appl Pharmacol** 1987 Jun 30;89(2):226–36
Glycosaminoglycans (macromolecular sugars) of the rat renal papilla: ultrastructural and cytochemical findings. France R, et al. **Trans Am Clin Climatol Assoc** 1986;98:208–21
Conversion of the antihypertensive neutral renomedullary lipid by the liver. Muirhead EE, et al. **Trans Assoc Am Physicians** 1985;98:269–74

PATHOLOGY

Renal response to atrial natriuretic factor in rats without intact papillae. Torikai S. **Clin Sci** 1986 Sep;71(3):277–82
Intra-renal reflux: a new cause of medullary hyperechogenicity? Diard F, et al. **Pediatr Radiol** 1987; 17(2):154–5
[Value of morphometry in the endocrine system of the kidneys] Pal'tsev MA. **Arkh Patol** 1987;49(1):62–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Inner medullary hemodynamics in dogs with aortocaval fistula. Chou SY, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F724–32
The hypotensive effect of captopril is not mediated by renal medullary lipids. Saeki S, et al. **Clin Exp Hypertens [A]** 1987;9(2-3):395–9
Hormonal regulation of proton secretion in rabbit medullary collecting duct. Hays S, et al. **J Clin Invest** 1986 Nov; 78(5):1279–86
Chemical renal medullectomy prevents frusemide-induced inhibition of sympathetic vasoconstriction in the in situ blood perfused rat mesentery. Gerkens JF, et al. **J Hypertens** 1987 Jun;5(3):273–5
A Ca-dependent K channel in "luminal" membranes from the renal outer medulla. Burnham C, et al. **J Membr Biol** 1986;

93(2):177–86
Reconstitution in phospholipid vesicles of calcium–activated potassium channel from outer renal medulla. Klaerke DA, et al. **J Membr Biol** 1987;95(2):105–12
The medullary thick limb: function and modulation of the single–effect multiplier. Hebert SC, et al. **Kidney Int** 1987 Feb;31(2):580–9 (102 ref.)
Role and regulation of glycerophosphorylcholine in rat renal papilla. Wirthensohn G, et al. **Pflugers Arch** 1987 Aug; 409(4–5):411–5

PHYSIOPATHOLOGY

Lack of casual relationship between medullary blood congestion and tubular necrosis in postischaemic kidney damage. Andersson G, et al. **Acta Physiol Scand** 1987 Jul; 130(3):429–32
Inner medullary collecting duct function during rebound alkalemia. Bengele HH, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F712–6

ULTRASTRUCTURE

A morphometric and ultrastructural study of lithium–induced changes in the medullary collecting ducts of the rat kidney. Ottosen PD, et al. **Cell Tissue Res** 1987 Aug;249(2):311–5
The final step in the de novo biosynthesis of platelet–activating factor. Properties of a unique CDP–choline:1–alkyl–2–acetyl–sn–glycerol choline–phosphotransferase in microsomes from the renal inner medulla of rats. Woodard DS, et al. **J Biol Chem** 1987 Feb 25;262(6):2520–7
[Functional morphology of interstitial cells of the renal medulla after treatment with indomethacin and unilateral nephrectomy] Zufarov KA, et al. **Arkh Patol** 1987; 49(1):9–14 (Eng. Abstr.) **(Rus)**

KIDNEY NEOPLASMS

Prolonged survival associated with spontaneous disappearance of untreated right atrial intracavitary metastasis. Atay AE, et al. **Am Heart J** 1987 Aug; 114(2):437–40
Metastatic spindle–cell renal carcinoma presenting as multiple intestinal polyps. Shousha S, et al. **Dis Colon Rectum** 1986 Nov;29(11):750–1
Renal cell carcinoma. Rotolo JE, et al. **Hosp Pract [Off]** 1987 Feb 15;22(2):59–61, 64–7
Intrascrotal metastases from renal cell carcinoma. de Riese W, et al. **Int Urol Nephrol** 1986;18(4):449–52
Initial appearance of renal cell carcinoma as a metastatic mass in the mandible. Pick JB, et al. **J Am Dent Assoc** 1986 Nov;113(5):759–61
Head and neck manifestations of renal cell carcinoma. Vaughan WC, et al. **J Arkansas Med Soc** 1986 Aug; 83(3):117–9
A clear cell tumour of the parotid. Harrison DJ, et al. **J Laryngol Otol** 1987 Jun;101(6):633–5
Brain metastases from transitional cell carcinoma. Bloch JL, et al. **J Urol** 1987 Jan;137(1):97–9
Diagnosis and management of massive gastrointestinal bleeding owing to duodenal metastasis from renal cell carcinoma. Lynch–Nyhan A, et al. **J Urol** 1987 Sep; 138(3):611–3
Metastatic renal cell carcinoma to the bladder: case report and review of the literature. Remis RE, et al. **J Urol** 1986 Dec;136(6):1294–6
Biological aspects of renal cancer and its treatments. **Semin Nephrol** 1987 Jun;7(2):106–70
Solitary cerebral metastasis from Wilms' tumor without pulmonary involvement. Chee CP. **Surg Neurol** 1987 Feb; 27(2):154–6
[Intrathyroidal metastases of a nephroepithelioma. Reflections on 5 operated cases] Janser JC, et al. **J Chir (Paris)** 1986 Oct;123(10):574–7 (Eng. Abstr.) **(Fre)**
[Metastatic vesical tumor of clear–cell renal carcinoma] Cloché P, et al. **J Urol (Paris)** 1987;93(3):159–60 (Eng. Abstr.) **(Fre)**
[Preventive bilateral pulmonary irradiation in renal neoplasms] Dal Bianco M, et al. **J Urol (Paris)** 1986; 92(8):545–7 (Eng. Abstr.) **(Fre)**
[Parotid metastases of clear–cell adenocarcinoma of kidney. Apropos of 2 cases] Orget J, et al. **J Urol (Paris)** 1986; 92(8):543–4 (Eng. Abstr.) **(Fre)**
[Cutaneous metastasis of clear–cell renal carcinoma] Carabelli A. **G Ital Dermatol Venereol** 1986 Nov–Dec;121(6):427–9 (Eng. Abstr.) **(Ita)**
[Partial response of lung metastases from a renal cancer treated with endogenous tumor necrosis factor] Kato M, et al. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2378–80 (Eng. Abstr.) **(Jpn)**
[Bone metastasis of malignant solid tumors in childhood] Taguchi N, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1723–8 (Eng. Abstr.) **(Jpn)**
[5 cases of renal pelvis and ureteral tumor] Nishizawa K, et al. **Hinyokika Kiyo** 1986 Nov;32(11):1719–23 (Eng. Abstr.) **(Jpn)**
[Cerebellar metastasis from renal cell carcinoma] Fujime M, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jul; 77(7):1164–8 (Eng. Abstr.) **(Jpn)**
[Oncocytoma of the kidney] Pasini J, et al. **Acta Chir Iugosl** 1985;32(2):241–6 (Eng. Abstr.) **(Scr)**
[Esophageal leiomyosarcoma in a patient with synchronous renal carcinoma] Orel J, et al. **Acta Chir Iugosl** 1985; 32(2):213–21 (Eng. Abstr.) **(Slo)**
[Carcinoma of the renal pelvis] Extramiana Cameno J, et al. **Actas Urol Esp** 1987 Jan–Feb;11(1):29–36 (Eng. Abstr.) **(Spa)**
[Lymphatic metastases in carcinoma of the bladder: value of the radical excision of the pelvis] Silva Abuin J, et al. **Actas Urol Esp** 1986 Nov–Dec;10(6):503–4 (Eng. Abstr.) **(Spa)**
[Uretero–vesical metastasis of renal adenocarcinoma] Virseda JA, et al. **Actas Urol Esp** 1986 Nov–Dec;10(6):445–52 (Eng. Abstr.) **(Spa)**
[Association of renal carcinoma with other neoplasms (letter)] López López JA, et al. **Med Clin (Barc)** 1987 May 23; 88(20):830–1 **(Spa)**
[Hypernephroma: infrequent late metastases and paraneoplastic syndrome] Montalbán Gairin J, et al. **Med Clin (Barc)** 1986 Sep 27;87(9):374–6 (Eng. Abstr.) **(Spa)**

ANALYSIS

Renal cell carcinoma. An immunohistochemical study. Preliminary report on 20 cases. Luciani L, et al. **Acta Urol Belg** 1986;54(3):256–64
Lectin histochemistry of Wilms' tumor. Comparison with normal adult and fetal kidney. Yeger H, et al. **Am J Clin Pathol** 1987 Sep;88(3):278–85
Fluorescence polarization spectroscopy and time–resolved fluorescence kinetics of native cancerous and normal rat kidney tissues. Tata DB, et al. **Biophys J** 1986 Sep; 50(3):463–9
The distribution of cytokeratin antigens in the kidney and in renal tumours. Fleming S, et al. **Histopathology** 1987 Feb;11(2):157–70
Multilocular cystic nephroma in an adult: immunohistochemical study. Aoyagi T, et al. **J Urol** 1987 Aug;138(2):397–9
1,25–Dihydroxyvitamin D3 receptors and their relationship to histological features in renal cell carcinoma. Nagakura K, et al. **J Urol** 1987 Jun;137(6):1300–3
Expression of intermediate filament proteins in subtypes of renal cell carcinomas and in renal oncocytomas. Distinction of two classes of renal cell tumors. Pitz S, et al. **Lab Invest** 1987 Jun;56(6):642–53
Flow cytometric analysis of the DNA profile of renal cell carcinoma. Ekfors TO, et al. **Pathol Res Pract** 1987 Feb; 182(1):58–62
DNA content in renal cell carcinoma. A comparison between flow and static cytometric methods. Roos G, et al. **Scand J Urol Nephrol** 1986;20(4):295–300
Sex hormone receptors in localized and advanced transitional cell carcinoma of urinary tract in humans. Noronha RF, et al. **Urology** 1986 Nov;28(5):401–3
[Immunohistochemical study of renal cell carcinoma. II. Studies on glycocompounds and renal tubular antigen of renal cell carcinoma] Iizumi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jun;77(6):886–95 (Eng. Abstr.) **(Jpn)**
[Immunohistochemical study of renal cell carcinoma. I. Immunohistochemical studies on the cell skeleton in human renal cell carcinoma with special emphasis on intermediate filaments] Iizumi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jun;77(6):878–85 (Eng. Abstr.) **(Jpn)**
[Distribution of cytoplasmic ferroproteins and iron in human kidney tumors] Prokopenko PG, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):221–4 (Eng. Abstr.) **(Rus)**

BLOOD

Similar biological effects of different low doses of interferon alpha in cancer patients. Billard C, et al. **Br J Cancer** 1987 Jun;55(6):677–9
Serum iron: a tumour marker in renal carcinoma. Loughlin KR, et al. **Br J Urol** 1986 Dec;58(6):617–20
Renotropic growth factor found in cancer patient sera after removal of cancer–bearing kidney. Yamada J, et al. **Kidney Int** 1983 Apr;23(4):632–4
Arachidonic acid metabolites in a nephroblastoma associated with paraneoplastic hypercalcemia. Calò L, et al. **Prostaglandins** 1986 Jul;32(1):116–20
Clinical significance of erythropoietin levels in renal carcinoma. Nseyo UO, et al. **Urology** 1986 Oct;28(4):301–6
[Tumor markers in renal cell carcinoma] Uchida T, et al. **Hinyokika Kiyo** 1986 Jul;32(7):929–40 (Eng. Abstr.) **(Jpn)**
[Hormonal status of children in the late period after combined treatment for nephro– and neuroblastomas] Avetisov GM, et al. **Izv Akad Nauk SSSR [Biol]** 1986 Sep–Oct;(5):784–7 (Eng. Abstr.) **(Rus)**
[Serum ferritin as a possible tumor marker in malignant tumors of children] Balitskaia OV, et al. **Pediatriia** 1987; (2):64–7 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Perfusion characteristics and norepinephrine reactivity of human renal carcinoma. Tveit E, et al. **Cancer Res** 1987 Sep 1;47(17):4709–13
[Interventional radiology of the kidneys and urinary tract] Brühlmann W, et al. **Schweiz Rundsch Med Prax** 1987 Feb 3;76(6):125–31 (Eng. Abstr.) **(Ger)**
[A rare case of anomaly of renal vascularization] Szczerbo–Trojanowska M, et al. **Pol Przegl Radiol (Warszawa)** 1986 Jul–Aug;50(4):227–8 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Renal carcinoma after retrograde pyelography with Thorotrast. Kauzlaric D, et al. **AJR** 1987 May;148(5):897–8
Dose–response relationships in chemical carcinogenesis: renal mesenchymal tumours induced in the rat by single dose dimethylnitrosamine. Driver HE, et al. **Br J Exp Pathol** 1987 Apr;68(2):133–43
Transitional cell tumors of the renal pelvis and ureter associated with capillarosclerosis indicating analgesic abuse. Palvio DH, et al. **Cancer** 1987 Mar 1;59(5):972–6
Subacute nephrotoxicity and induction of renal cell carcinoma in mice treated with ferric nitrilotriacetate. Li JL, et al. **Cancer Res** 1987 Apr 1;47(7):1867–9
Localization of estrogen–induced DNA adducts and cytochrome P–450 activity at the site of renal carcinogenesis in the hamster kidney. Liehr JG, et al. **Cancer Res** 1987 Apr 15;47(8):2156–9
Mammary and renal tumor induction by low doses of adriamycin in Sprague–Dawley rats. Jang JJ, et al. **Carcinogenesis** 1987 Aug;8(8):1149–53
Reciprocal modifying effects of isomeric forms of aminophenol on induction of neoplastic lesions in rat liver and kidney initiated by N–ethyl–N–hydroxyethylnitrosamine. Kurata Y, et al. **Carcinogenesis** 1987 Sep;8(9):1281–5
Ethoxyquin alone induces preneoplastic changes in rat kidney whilst preventing induction of such lesions in liver by aflatoxin B1. Manson MM, et al. **Carcinogenesis** 1987 May; 8(5):723–8
Hormonal carcinogenesis: separation of estrogenicity from carcinogenicity. Liehr JG, et al. **Chem Biol Interact** 1986 Sep;59(2):173–84
Upper tract urothelial malignancy after cyclophosphamide therapy: a case report and literature review. Brenner DW, et al. **J Urol** 1987 Jun;137(6):1226–7
Relationship between the duration of treatment and the incidence of renal cell tumors in male F344 rats administered potassium bromate. Kurokawa Y, et al. **Jpn J Cancer Res** 1987 Apr;78(4):358–64
The studies of malignant transformation of human epithelial cells induced by diethyl–nitrosamine (NDEA) in vitro. Huang M, et al. **Sci Sin [B]** 1986 Nov;29(11):1186–91
Occupational cancer of the urinary tract. Schulte PA, et al. **State Art Rev Occup Med** 1987 Jan–Mar;2(1):85–107 (136 ref.)
[Does phenacetin cause cancer?] Immich H. **Dtsch Med Wochenschr** 1987 Jan 2;112(1):30–4 **(Ger)**
[A case of renal pelvic tumor due to phenacetin abuse] Kimura M, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Feb;78(2):351–5 (Eng. Abstr.) **(Jpn)**
[Modifying effect of methylcobalamin in organ cultures of the mouse kidney when administered transplacentally in combination with N–nitrosoethylurea] Golenko OD, et al. **Eksp Onkol** 1986;8(4):23–8 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Platelet dysfunction associated with Wilms tumor and hyaluronic acid. Bracey AW, et al. **Am J Hematol** 1987 Mar;24(3):247–57
Renal cell carcinoma in von Hippel–Lindau syndrome. Malek RS, et al. **Am J Med** 1987 Feb;82(2):236–8
Hypercalcemia in squamous cell carcinoma of the renal pelvis? Parathyroid or paraendocrine in origin. Schaefer CJ, et al. **Am Surg** 1986 Oct;52(10):560–3
Rupture of renal angiomyolipoma. Royce PL, et al. **Aust NZ J Surg** 1987 Jul;57(7):481–3
Analgesic nephropathy complicated by transitional cell carcinoma of the renal pelvis. Chapple CR, et al. **Br J Urol** 1987 Jan;59(1):89
Intermittent hydronephrosis due to transitional cell carcinoma of the renal pelvis. English PJ, et al. **Br J Urol** 1987 Jan;59(1):94–5
Small bowel intussusception due to metastatic renal carcinoma. Haynes IG, et al. **Br J Urol** 1986 Aug;58(4):460
Transitional cell carcinoma in a solitary, giant hydronephrotic kidney. Livne PM, et al. **Br J Urol** 1986 Dec;58(6):727–8
Renal carcinoma with hypercoagulability. Rayner DC, et al. **Br J Urol** 1987 Jan;59(1):96
Anaplastic sarcoma arising in a mature metachronous bilateral Wilms' tumor after irradiation and chemotherapy. Spontaneous versus induced malignant change. Oesterling JE, et al. **Cancer** 1987 Jun 15;59(12):2000–5
Renal cell carcinoma in pregnancy. Walker JL, et al. **Cancer** 1986 Nov 15;58(10):2343–7
Bone scan detection of renal vein thrombosis secondary to hypernephroma. Swayne LC. **Clin Nucl Med** 1986 Feb; 11(2):133–4
Humoral hypercalcaemia of malignancy: report of two further patients with biochemical studies on tumour extracts. Seshadri MS, et al. **Clin Sci** 1986 Sep;71(3):261–9
Aneurysmal hemorrhage of the kidney caused by angioleiomyoma. Vogel J, et al. **Eur Urol** 1986;12(6):438–40
Chronic glomerular microangiopathy complicating metastatic carcinoma. Hostetter AL, et al. **Hum Pathol** 1987

Apr;18(4):342–8
Acquired renal cystic disease and renal adenocarcinoma in a long term renal transplant patient [letter] Arias M, et al. **Int J Artif Organs** 1986 Jul;9(4):271–2
Ruptured renal angiomyolipoma presenting as acute cholecystitis. Schachter P, et al. **Isr J Med Sci** 1986 Jun; 22(6):475–7
Circulating 1,25-dihydroxyvitamin D concentrations in patients with renal cell carcinoma–associated hypercalcemia are rarely suppressed. Yamamoto I, et al. **J Clin Endocrinol Metab** 1987 Jan;64(1):175–9
Coexistent xanthogranulomatous pyelonephritis and renal cell carcinoma. Radin DR, et al. **J Comput Tomogr** 1987 Jul; 11(3):294–6
Wilms tumor in three patients with Bloom syndrome. Cairney AE, et al. **J Pediatr** 1987 Sep;111(3):414–6
Paraneoplastic syndromes associated with renal cell carcinoma. Rosenblum SL. **J SC Med Assoc** 1987 Jul; 83(7):375–8
Renal cell carcinoma in a patient with situs inversus totalis. Bertini JE Jr, et al. **J Surg Oncol** 1987 Jan;34(1):29–31
Renal cell carcinoma and vasculitis: report of two cases. Hoag GN. **J Surg Oncol** 1987 May;35(1):35–8
Renal angiomyolipoma with arteriovenous shunting. Barzilai IM, et al. **J Urol** 1987 Mar;137(3):483–4
Renal lesions in tuberous sclerosis. Stillwell TJ, et al. **J Urol** 1987 Sep;138(3):477–81
Milk of calcium renal stone and renal pelvic cancer associated with hydronephrosis. Hase A, et al. **Jpn J Med** 1986 Aug; 25(3):301–5
Cytomegalovirus–induced adrenal insufficiency and associated renal cell carcinoma in AIDS. Bleiweiss IJ, et al. **Mt Sinai J Med (NY)** 1986 Dec;53(8):676–9
Nephropathy associated with Wilms' tumor. A case of a 13–year–old girl. Gusmano R, et al. **Nephron** 1987; 45(3):242–6
beta 2–Microglobulin–derived amyloid deposition in acquired cystic disease of the kidney with renal cell carcinoma. Ishikawa I, et al. **Nephron** 1987;46(1):101–2
Long–term results of dialysis and transplantation in patients with end–stage renal failure from hypernephroma. Mandel J, et al. **Nephron** 1986;44(2):111–4
Hypercalcemia in association with mesoblastic nephroma: report of a case and review of the literature. Ferraro EM, et al. **Pediatr Radiol** 1986;16(6):516–7 (6 ref.)
Renal oncocytoma and tuberous sclerosis. A case report. Green JA. **S Afr Med J** 1987 Jan 10;71(1):47–8
Paraneoplastic syndromes in hypernephroma. Laski ME, et al. **Semin Nephrol** 1987 Jun;7(2):123–30 (67 ref.)
Spurious polycythemia and renal malignancy. Hanna WT, et al. **South Med J** 1987 Aug;80(8):1062–3
Carcinoma of the renal pelvis and bladder associated with sarcoidosis: a case report. Fukutani K, et al. **Urol Int** 1987; 42(3):224–6
Hyperglycemia associated with renal cell carcinoma. Palgon N, et al. **Urology** 1986 Dec;28(6):516–7
Spontaneous perinephric hemorrhage from extrarenal angiomyolipoma. Randazzo RF, et al. **Urology** 1987 Apr; 29(4):428–31
[Arteriovenous fistula disclosing a renal cancer. Apropos of a case] François G, et al. **Arch Mal Coeur** 1986 Oct; 79(11):1632–5 (Eng. Abstr.) **(Fre)**
[Grawitz's tumor with arterial hypertension in children. Apropos of a case] Bernard C, et al. **J Radiol** 1986 Dec; 67(12):921–5 (Eng. Abstr.) **(Fre)**
[Arterial hypertension caused by extrinsic compression of the renal artery of tumor origin in a child] Marchal AL, et al. **Pediatrie** 1986 Sep;41(6):475–80 (Eng. Abstr.) **(Fre)**
[Kidney failure disclosing lymphoma (letter)] Gentric A, et al. **Presse Med** 1987 May 9;16(17):825 **(Fre)**
[Dermatomyositis with pulmonary fibrosis, renal neoplasm and anti–Toxoplasma antibodies. Apropos of a case. Review of the literature] Ristori JM, et al. **Rev Rhum Mal Osteoartic** 1986 Oct;53(10):535–8 **(Fre)**
[Pulmonary lymphangiomyomatosis and renal angiomyolipoma. Apropos of 2 cases] Vincent A, et al. **Schweiz Med Wochenschr** 1987 Jun 20;117(25):958–63 (Eng. Abstr.) **(Fre)**
[Xanthogranulomatous pyelonephritis with cancer of the kidney pelvis—a rare coincidence] Jeney D, et al. **Urologe [A]** 1986 Jul;25(4):220–3 (Eng. Abstr.) **(Ger)**
[Role of hyperaephroma in a case of intracerebral hemorrhage as a 1st sign of metastasis. Case report] Bucci L, et al. **Riv Neurol** 1986 Sep–Oct;56(5):325–35 (Eng. Abstr.) **(Ita)**
[Squamous cell carcinoma of the renal pelvis associated with giant hydronephrosis—report of an autopsy case] Sakamoto A, et al. **Gan No Rinsho** 1986 Nov;32(14):1901–7 (Eng. Abstr.) **(Jpn)**
[Two cases of multilocular renal cell carcinoma] Goto A, et al. **Hinyokika Kiyo** 1987 Apr;33(4):585–91 (Eng. Abstr.) **(Jpn)**
[A case of giant hydronephrosis caused by renal fibrosarcoma] Kaneoya F, et al. **Hinyokika Kiyo** 1986 Oct; 32(10):1505–7 (Eng. Abstr.) **(Jpn)**
[The clinical study of renal cell carcinoma extending into the inferior vena cava] Togashi M, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Aug;77(8):1288–95 (Eng. Abstr.) **(Jpn)**
[Bilateral renal angiomyolipoma. Hematuria. Treatment by selective arterial embolization] Luengo Alpuente S, et al. **Actas Urol Esp** 1986 Nov–Dec;10(6):513–6 (Eng. Abstr.) **(Spa)**
[Importance of fever in renal adenocarcinoma] Hernández Fernández C, et al. **Arch Esp Urol** 1986 Jul–Aug; 39(6):410–4 (Eng. Abstr.) **(Spa)**
[Bilateral renal angiomyolipoma associated with tuberous sclerosis] Sala Blanco J, et al. **Arch Esp Urol** 1987 Mar; 40(2):91–5 (Eng. Abstr.) **(Spa)**
[Hypernephroma and sarcoidosis: a strange and infrequent association. Presentation of a case (letter)] Pila Pérez R, et al. **Rev Clin Esp** 1986 Oct;179(5):281–2 **(Spa)**
[Hepatocholangiocarcinoma associated with renal clear cell carcinoma] Pachar JV, et al. **Rev Med Panama** 1987 Jan; 12(1):37–40 (Eng. Abstr.) **(Spa)**

CONGENITAL

Two chromosomally different cell populations in a partly cellular congenital mesoblastic nephroma. Kovacs G, et al. **Arch Pathol Lab Med** 1987 Apr;111(4):383–5
Congenital mesoblastic nephroma of infancy. Sharma DN, et al. **J Indian Med Assoc** 1986 Nov;84(11):346–8
An abdominal mass: the congenital mesoblastic nephroma (CMN). The pathologic basis of its management. Mufarrij AA, et al. **J Med Liban** 1986;36(4):154–6
Congenital mesoblastic nephroma: a clinicoradiologic study of 17 cases representing the pathologic spectrum of the disease. Chan HS, et al. **J Pediatr** 1987 Jul;111(1):64–70
Congenital Wilms' tumor associated with consumption coagulopathy and hyperbilirubinemia. Procianoy RS, et al. **J Pediatr Surg** 1986 Nov;21(11):993–4
Congenital mesoblastic nephroma of infancy. Study of four cases and review of the literature. Shanbhogue LK, et al. **J R Coll Surg Edinb** 1986 Jun;31(3):171–4
[Congenital mesoblastic nephroma] Plaja Román P, et al. **An Esp Pediatr** 1986 Nov;25(5):363–6 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Cytologic diagnosis of the papillary variant of renal–cell carcinoma. Flint A, et al. **Acta Cytol (Baltimore)** 1987 May–Jun;31(3):325–9
Diagnosis and staging of renal cell carcinoma: a comparison of MR imaging and CT. Fein AB, et al. **AJR** 1987 Apr; 148(4):749–53
Renal mass imaging: the internist's role. Cronan JJ, et al. **Am J Med** 1986 Dec;81(6):1026–32
Cystic hamartomata of lung and kidney: a spectrum of developmental abnormalities. Graham JM Jr, et al. **Am J Med Genet** 1987 May;27(1):45–59
Renal carcinoma presenting as a goitre. Badenoch DF, et al. **Br J Urol** 1987 Apr;59(4):361–2
Imaging strategies for tumors of the kidney, adrenal gland, and retroperitoneum. Davidson AJ, et al. **CA** 1987 May–Jun;37(3):151–64 (48 ref.)
Multilocular cystic nephroma: report of three cases. Garrett A, et al. **Clin Radiol** 1987 Jan;38(1):55–7
Sarcomas of the kidney. Nieh PT, et al. **Conn Med** 1987 Jan; 51(1):10–2
Neuron–specific enolase–positive rosettes in nephroblastoma: a possible diagnostic pitfall in aspiration cytology. Drut R. **Diagn Cytopathol** 1987 Mar;3(1):74–6
Pattern of renal carcinoma in Sudanese patients. Sharfi AR, et al. **East Afr Med J** 1986 Nov;63(11):705–9
Carcinosarcoma of renal pelvis in a child. A case report. Rao SS, et al. **Indian J Pathol Microbiol** 1986 Jul; 29(3):313–6
Unilateral renal oncocytoma: a case report. Schneider J, et al. **Int Urol Nephrol** 1986;18(4):381–8
Preoperative diagnosis of renal oncocytoma and treatment possibilities. Vartanian O, et al. **Int Urol Nephrol** 1986; 18(4):389–96
Wilms' tumor complicating pregnancy: report of a case. Davis LW. **J Am Osteopath Assoc** 1987 Apr;87(4):306–9
Hairy cell leukaemia with possible pulmonary and renal involvement. Sharma SK, et al. **J Assoc Physicians India** 1986 Oct;34(10):747–8
Echographic investigation of renal pelvic tumors. Lagalla R, et al. **J Belge Radiol** 1987;70(2):97–102
Renal lymphoma: an unusual example. Deuskar V, et al. **J Can Assoc Radiol** 1987 Jun;38(2):133–5
Inactive renin: a tumor marker in nephroblastoma. Carachi R, et al. **J Pediatr Surg** 1987 Mar;22(3):278–80
Metastatic renal cell carcinoma simulating glomus jugulare tumor. Boileau MA, et al. **J Surg Oncol** 1987 Jul; 35(3):201–3
Renal cell carcinoma: an unusual sonographic appearance. Katz JF, et al. **J Ultrasound Med** 1986 Sep;5(9):517–9
Posttransplant lymphoma. Sonographic characteristics of renal allograft involvement. Russ PD, et al. **J Ultrasound Med** 1987 Aug;6(8):453–6
Needle tract seeding after percutaneous renal adenocarcinoma aspiration. Kiser GC, et al. **J Urol** 1986 Dec;136(6):1292–3
Rapidly expanding mass in a neonate. Kremer SM, et al. **JCU** 1986 Sep;14(7):569–73
Transitional cell carcinoma of the kidney. Hughes PD. **Med J Aust** 1983 Feb 5;1(3):112–6
Renal cell carcinoma in pregnancy. Klein VR, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):531–3
Wilms tumor occurring as a botryoid renal pelvicalyceal mass. Johnson KM, et al. **Radiology** 1987 May;163(2):385–6
Complex and simple renal cysts: comparative evaluation with MR imaging. Marotti M, et al. **Radiology** 1987 Mar; 162(3):679–84
Role of ultrasonography in the study of multilocular cystic nephroma. Angelelli G, et al. **Rays** 1986 May–Aug; 11(2):87–92
Magnetic resonance imaging in the study of renal cell carcinoma. Magnani F, et al. **Rays** 1986 Sep–Dec; 11(3):81–92
The natural history and clinical features of renal carcinoma. Ritchie AW, et al. **Semin Nephrol** 1987 Jun;7(2):131–9 (59 ref.)
A thyroid metastasis revealing an occult renal clear–cell carcinoma. Dal Fabbro S, et al. **Tumori** 1987 Apr 30; 73(2):187–90
Diagnosis and treatment of renal angiomyolipoma (based on 15 cases). Heckl W, et al. **Urol Int** 1987;42(3):201–6
Sonographic evaluation of renal masses. Baltarowich OH, et al. **Urol Radiol** 1987;9(2):79–87 (45 ref.)
Arteriovenous fistula associated with renal cell carcinoma: demonstration by magnetic resonance imaging. Selli C, et al. **Urol Radiol** 1986;8(4):190–3
Cystic renal melanoma: CT/ultrasound correlation. Tipton A, et al. **Urol Radiol** 1987;9(1):39–41
Small bilateral renal cell carcinomas. Coombs RJ, et al. **Urology** 1987 Aug;30(2):111–3
Spontaneous retroperitoneal hemorrhage: unusual presentation of renal cancer. Heyman J, et al. **Urology** 1987 Sep;30(3):259–61
Large renal masses in young adults [clinical conference] Jordan GH, et al. **Urology** 1986 Oct;28(4):330–7
[Retrospective study of Stauffer's syndrome in kidney carcinoma] Panchev P, et al. **Khirurgiia (Sofiia)** 1986; 39(4):35–8 (Eng. Abstr.) **(Bul)**
[Echographic diagnosis of hypernephroid cancer] Grigorov N, et al. **Vutr Boles** 1986;25(4):38–42 (Eng. Abstr.) **(Bul)**
[Multilocular cyst of the kidney: report of 7 cases] Cai SL, et al. **Chung Hua Wai Ko Tsa Chih** 1987 Feb;25(2):76–7, 124–5 (Eng. Abstr.) **(Chi)**
[Cystosis or lipomatosis of the renal sinus?] Merta M, et al. **Cas Lek Cesk** 1986 Oct 17;125(41–42):1291–3 (Eng. Abstr.) **(Cze)**
[Renal pseudotumor based on hypertrophy of the columnae Bertini] Kočí K, et al. **Cesk Radiol** 1986 Aug;40(4):280–5 (Eng. Abstr.) **(Cze)**
[Case of the month. Renal adenocarcinoma associated with homolateral excretopapillary tumor. Hepatic angioma] Legrand I, et al. **J Radiol** 1987 Apr;68(4):284, 292 **(Fre)**
[Aberrant renal papilla. Peroperative nephroscopy. Conservative surgery. Apropos of a case] Dore B, et al. **J Urol (Paris)** 1986;92(5):303–6 (Eng. Abstr.) **(Fre)**
[Cancer of the kidney in Von Hippel–Lindau disease. Apropos of a case. Diagnostic and therapeutic considerations. Review of the literature] Gilloz A, et al. **J Urol (Paris)** 1986;92(3):165–9 (Eng. Abstr.) **(Fre)**
[Oncocytoma of the kidney. Apropos of 3 cases] Richaud C, et al. **J Urol (Paris)** 1986;92(4):250–1 **(Fre)**
[Early sonographic recognition of renal cell carcinoma] Stutte H, et al. **Dtsch Med Wochenschr** 1987 May 29; 112(22):879–83 (Eng. Abstr.) **(Ger)**
[Prognostic factors in adenocarcinoma of the kidney] Possinger K, et al. **Fortschr Med** 1987 Apr 20;105(11):204–8 (Eng. Abstr.) **(Ger)**
[Cavernous hemangioma of the renal pelvis] Schlolaut KH, et al. **ROFO** 1987 Apr;146(4):466–8 **(Ger)**
[Nuclear spin tomography and computerized tomography in malignant hypernephroma] Uhlenbrock D, et al. **ROFO** 1987 Jun;146(6):664–74 (Eng. Abstr.) **(Ger)**
[Sonography—the most important study in the early detection of renal cell carcinoma] Rauschmeier H. **Urologe [A]** 1986 Nov;25(6):325–8 (Eng. Abstr.) **(Ger)**
[Diagnosis of angiomyolipoma of the kidney] Tuppatsch S, et al. **Z Urol Nephrol** 1987 Feb;80(2):81–8 (Eng. Abstr.) **(Ger)**
[Renal cell carcinoma (hypernephroid carcinoma)] Wandschneider G, et al. **Z Urol Nephrol** 1986 Aug; 79(8):433–9 (Eng. Abstr.) **(Ger)**
[Unusual echographic finding of renal lymphoma. Description of 2 cases] Bagnolesi P, et al. **Radiol Med (Torino)** 1987 Jun;73(6):597–9 **(Ita)**
[The use of diagnosis by imaging in a case of Von Hippel–Lindau disease] Lamorgese B. **Radiol Med (Torino)** 1987 May;73(5):451–3 **(Ita)**
[Renal oncocytoma. Ultrasonographic study of 4 cases] Miselli A, et al. **Radiol Med (Torino)** 1987 Jan–Feb; 73(1–2):56–60 (Eng. Abstr.) **(Ita)**
[Renal oncocytoma. A diagnostic and therapeutic problem] Papa M, et al. **Radiol Med (Torino)** 1987 Jan–Feb; 73(1–2):51–5 (Eng. Abstr.) **(Ita)**
[Diagnostic images of renal angiomyolipoma] Stasi G, et al. **Radiol Med (Torino)** 1986 Oct;72(10):733–7 (Eng. Abstr.) **(Ita)**
[Echographically guided, percutaneous, fine–needle puncture in the diagnosis of renal masses suspected of malignancy] Civardi G, et al. **Recenti Prog Med** 1986 Sep;77(9):420–2 (Eng. Abstr.) **(Ita)**
[A case of renal leiomyoma] Odajima K, et al. **Hinyokika Kiyo** 1987 Feb;33(2):229–32 (Eng. Abstr.) **(Jpn)**
[A case of renal cell carcinoma with the complication of a giant cyst difficult to distinguish from xanthoma]

Okamura T, et al. **Hinyokika Kiyo** 1987 Mar;33(3):409–13 (Eng. Abstr.) **(Jpn)**

[Primary papillary adenocarcinoma of renal pelvis: a case report and review of the literature] Takahashi Y, et al. **Hinyokika Kiyo** 1986 Oct;32(10):1509–17 (Eng. Abstr.) **(Jpn)**

[Asymptomatic renal cancers incidentally recognized by abdominal ultrasonography] Mikata N, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Oct 20;21(9):2169–78 (Eng. Abstr.) **(Jpn)**

[Lymphangioma of the kidney] Furuhata A, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Jan;78(1):149–52 (Eng. Abstr.) **(Jpn)**

[Cytologic diagnosis of renal pelvic and ureteral tumors] Okano T, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Nov; 77(11):1779–83 (Eng. Abstr.) **(Jpn)**

[A case of renal cell carcinoma diagnosed by percutaneous transvenous tumor biopsy] Nakamura K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Nov 25; 46(11):1296–301 (Eng. Abstr.) **(Jpn)**

[Clinical MRI of disease. 5) Urogenital system diseases. b. MRI diagnosis of kidney and urologic tumors] Yamamoto I, et al. **Nippon Rinsho** 1987 Jan;45(1):167–71 **(Jpn)**

[A case of renal leiomyosarcoma] Hirao K, et al. **Rinsho Hoshasen** 1986 Jul;31(7):857–60 (Eng. Abstr.) **(Jpn)**

[Renal oncocytoma] Svendsen L, et al. **Tidsskr Nor Laegeforen** 1986 Sep 10;106(25):2050–2, 2049 (Eng. Abstr.) **(Nor)**

[Atypical clinical course of papillary cancer of the kidney] Miekoś E, et al. **Pol Tyg Lek** 1986 Jun 9;41(23):755–7 (Eng. Abstr.) **(Pol)**

[Renal oncocytoma. Review apropos of a case in a single kidney] Burgos FJ, et al. **Actas Urol Esp** 1987 Jan–Feb; 11(1):77–82 (Eng. Abstr.) **(Spa)**

[Renal leiomyosarcoma] Hernández Fernández C, et al. **Actas Urol Esp** 1986 Sep–Oct;10(5):377–80 (Eng. Abstr.) **(Spa)**

[Renal oncocytoma. Presentation of a case associated with carcinoma of the colon] Quiñonero Díaz A, et al. **Actas Urol Esp** 1987 Jan–Feb;11(1):87–92 (Eng. Abstr.) **(Spa)**

[Perioperative endoscopy of the upper urinary tract] Mangin P. **Arch Esp Urol** 1986 Sep;39 Suppl 1:49–64 (Eng. Abstr.) **(Spa)**

[Renal oncocytic–cell tumor] Rodríguez Torres A, et al. **Arch Esp Urol** 1986 Jul–Aug;39(6):415–21 (Eng. Abstr.) **(Spa)**

[Renal angiomyolipoma: clinical study of 2 cases] Castillo O, et al. **Rev Med Chil** 1986 May;114(5):456–9 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Phase II study of five-day continuous infusion of vinblastine in patients with metastatic renal–cell carcinoma. Crivellari D, et al. **Am J Clin Oncol** 1987 Jun;10(3):231–3

Complications and results of repeated renal artery doxorubicin infusion in rabbits with VX–2 kidney carcinoma. Gadeholt G, et al. **Ann Radiol (Paris)** 1987; 30(2):138–41

Phase II study of high dose weekly intravenous human lymphoblastoid interferon in renal cell carcinoma. A study of the National Cancer Institute of Canada Clinical Trials Group. Eisenhauer EA, et al. **Br J Cancer** 1987 May; 55(5):541–2

Phase I/II trial of interferon–beta–serine in patients with renal cell carcinoma: immunological and biological effects. Rinehart JJ, et al. **Cancer Res** 1987 May 1;47(9):2481–5

Evaluation of fludarabine phosphate in renal cell carcinoma: a Southwest Oncology Group Study. Balducci L, et al. **Cancer Treat Rep** 1987 May;71(5):543–4

Phase II trial of esorubicin in the treatment of metastatic carcinoma of the kidney: a study of the Northern California Oncology Group. Carlson RW, et al. **Cancer Treat Rep** 1987 Jul–Aug;71(7–8):767–8

Phase II studies of PCNU and bisantrene in advanced renal cell carcinoma. Elson PJ, et al. **Cancer Treat Rep** 1987 Mar; 71(3):331–2

Phase II trial of streptozocin in the treatment of advanced renal cell carcinoma. Licht JD, et al. **Cancer Treat Rep** 1987 Jan;71(1):97–8

Therapy for advanced renal cell cancer with spirogermanium: a Southwest Oncology Group Study. Saiers JH, et al. **Cancer Treat Rep** 1987 Feb;71(2):207–8

Phase II trial of 1,2,4–triglycidylurazol in patients with metastasized renal cell carcinoma. Wagner H, et al. **Cancer Treat Rep** 1987 Feb;71(2):209–10

4'Deoxydoxorubicin in advanced renal cancer. A phase II study in previously untreated patients from the EORTC Genito–Urinary Tract Cancer Cooperative Group [letter] van Oosterom AT, et al. **Eur J Cancer Clin Oncol** 1986 Dec;22(12):1531–2

A case for preoperative chemotherapy in advanced urothelial cancer of the upper urinary tract. Jakse G, et al. **Eur Urol** 1986;12(6):387–9

Phase II trial of misonidazole (MISO) and cyclophosphamide (CYC) in metastatic renal cell carcinoma. Glover D, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1405–8

Observations with Depo–Provera (medroxyprogesterone) in the management of renal tumours. Romics I, et al. **Int Urol Nephrol** 1987;19(1):49–54

Phase II trial of esorubicin (4' deoxydoxorubicin) in cancers of the breast, colon, kidney, lung and melanoma. Braich TA, et al. **Invest New Drugs** 1986;4(3):269–74

Coumarin plus cimetidine: yet another angle for therapy of renal cell carcinoma [editorial] Kirkwood JM, et al. **J Clin Oncol** 1987 Jun;5(6):836–7

Treatment of metastatic renal cell carcinoma with coumarin (1,2–benzopyrone) and cimetidine: a pilot study. Marshall ME, et al. **J Clin Oncol** 1987 Jun;5(6):862–6

Weight change and peptide hormone responses in patients receiving interferon. Hurley RS, et al. **Nutr Cancer** 1987; 10(1–2):89–94

[Pretherapeutic testing of sensitivity to cytostatic drugs in primary cultures of selected urologic tumors] Klatte D, et al. **Z Urol Nephrol** 1986 Aug;79(8):441–7 (Eng. Abstr.) **(Ger)**

[Treatment of renal cell carcinoma invading the inferior vena cava; role of preoperative targeting chemotherapy] Kato T, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):956–60 (Eng. Abstr.) **(Jpn)**

[Effect of various anti–cancer drugs on human renal cell carcinoma serially transplanted into nude mice] Honda N. **Hinyokika Kiyo** 1986 Oct;32(10):1423–41 (Eng. Abstr.) **(Jpn)**

[Experimental study of chemotherapy of renal cell carcinoma. 1. Combination effect through the use of cell kinetics–directed treatment schedules] Konami T. **Hinyokika Kiyo** 1987 Jan;33(1):1–14 (Eng. Abstr.) **(Jpn)**

[Cooperative phase II study of epirubicin (EPI) in bladder cancer, renal pelvic and ureteral tumors—Urological Cooperative Study Group of EPI] Niijima T, et al. **Hinyokika Kiyo** 1986 Sep;32(9):1359–69 (Eng. Abstr.) **(Jpn)**

[Combined therapy with 5–fluorouracil, doxorubicin, cis–diamminedichloroplatinum on advanced urothelial cancer] Kawai T, et al. **Nippon Gan Chiryo Gakkai Shi** 1987 Feb 20;22(1):40–6 (Eng. Abstr.) **(Jpn)**

[A study of the clinical response of renal cell carcinoma to human lymphoblastoid interferon (MOR–22)] Niijima T. **Nippon Gan Chiryo Gakkai Shi** 1986 Jul 20;21(6):1277–84 (Eng. Abstr.) **(Jpn)**

[The phase I and early phase II studies of human lymphoblast interferon (MOR–22) in the treatment of malignant tumors] Tsubura E. **Nippon Gan Chiryo Gakkai Shi** 1986 Jun 20; 21(5):1049–58 (Eng. Abstr.) **(Jpn)**

[Chemotherapy of renal cell carcinoma. II. Adriamycin and carboquone combined chemotherapy] Osawa T. **Nippon Hinyokika Gakkai Zasshi** 1986 Nov;77(11):1805–13 (Eng. Abstr.) **(Jpn)**

[Experience in the use of T–activin in patients with malignant testicular tumors and patients with kidney cancer] Geveling NV, et al. **Vopr Onkol** 1986;32(8):98–103 (Eng. Abstr.) **(Rus)**

[Usefulness of medroxyprogesterone acetate in the co–adjuvant treatment of renal carcinoma in advanced stages (letter)] Morote J, et al. **Med Clin (Barc)** 1987 Feb 21;88(7):301–2 **(Spa)**

ENZYMOLOGY

Enolase isozymes in renal tubules and renal cell carcinoma. Haimoto H, et al. **Am J Pathol** 1986 Sep;124(3):488–95

Immunohistochemically demonstrated altered expression of cytochrome P–450 molecular forms and epoxide hydrolase in N–ethyl–N–hydroxyethylnitrosamine–induced rat kidney and liver lesions. Tsuda H, et al. **Carcinogenesis** 1987 May;8(5):711–7

Human renin gene of renin–secreting tumor. Fukamizu A, et al. **Gene** 1986;49(1):139–45

In vitro modulation of antioxidant enzymes in normal and malignant renal epithelium. Yang AH, et al. **In Vitro Cell Dev Biol** 1987 Aug;23(8):546–58

[Effects of CDDP on the serum LDH isozymes in rabbits and patients with gallbladder cancer in urinary organs] Yamaoka K, et al. **Gan To Kagaku Ryobo** 1986 Dec; 13(12):3546–8 **(Jpn)**

[Gamma–glutamyl transpeptidase activities in human renal tumors] Kohdaira T. **Nippon Hinyokika Gakkai Zasshi** 1987 Feb;78(2):292–6 (Eng. Abstr.) **(Jpn)**

[Immunohistochemical demonstration of neuron–specific enolase in nephroblastoma (letter)] Drut R. **Medicina (B Aires)** 1985;45(5):599 **(Spa)**

ETIOLOGY

Renal cell carcinoma originating from dysplastic kidney. Shirai M, et al. **Acta Pathol Jpn** 1986 Aug;36(8):1263–9

A case–control study of factors affecting the development of renal cell cancer. Goodman MT, et al. **Am J Epidemiol** 1986 Dec;124(6):926–41

Renal adenocarcinoma and acquired cystic disease in chronic hemodialysis patients. MacDougall ML, et al. **Am J Kidney Dis** 1987 Feb;9(2):166–71

Acquired renal cystic disease: two cases of associated adenocarcinoma and a renal ultrasound survey of a peritoneal dialysis population. Smith JW, et al. **Am J Kidney Dis** 1987 Jul;10(1):41–6

The development of acquired renal cystic disease and neoplasia in a chronic haemodialysis patient. Henson JH, et al. **Br J Radiol** 1985 Dec;58(696):1215–7

Acquired cystic disease of the kidney [letter] Viner NJ, et al. **Br Med J [Clin Res]** 1987 Jan 10;294(6564):121–2

Gestational risk factors for Wilms' tumor: results of a case–control study. Bunin GR, et al. **Cancer Res** 1987 Jun 1;47(11):2972–7

Enhancement of N–[4–(5–nitro–2–furyl)–2–thiazolyl]formamide–induced carcinogenesis by urinary tract infection in rats. Johansson SL, et al. **Cancer Res** 1987 Jan 15;47(2):559–62

Asbestos and renal adenocarcinoma: a case–control study. Maclure M. **Environ Res** 1987 Apr;42(2):353–61

Renal angiomyolipoma in tuberous sclerosis. Bhaduri AS, et al. **Indian J Cancer** 1986 Mar;23(1):59–63

Renal adenocarcinoma and end stage kidney disease. Boileau M, et al. **J Urol** 1987 Sep;138(3):603–6

Symptomatic bilateral renal angiomyolipomas in a child. Hendren WG, et al. **J Urol** 1987 Feb;137(2):256–7

Renal cell carcinoma and acquired cystic kidney disease after renal transplantation [letter] Faber M, et al. **Lancet** 1987 May 2;1(8540):1030–1

Aids. Case for diagnosis. Macher AM, et al. **Milit Med** 1986 Nov;151(11):M73–80

Etiologic factors in renal cell adenocarcinoma. Newsom GD, et al. **Semin Nephrol** 1987 Jun;7(2):109–16 (75 ref.)

Neoplastic potential in patients with disorders of sexual differentiation. Beheshti M, et al. **Urology** 1987 Apr; 29(4):404–7

[Polycystic renal disease and bilateral renal cancer] Kalifat R, et al. **Ann Urol (Paris)** 1987;21(1):3–6 (Eng. Abstr.) **(Fre)**

[Renal cell carcinoma in a long–term hemodialysis patient: a case report of its interesting clinical course] Eto H, et al. **Hinyokika Kiyo** 1986 Aug;32(8):1135–9 (Eng. Abstr.) **(Jpn)**

[Transitional cell carcinoma developed in association with renal stone and ureter catheter: report of two cases] Yamaguchi K, et al. **Hinyokika Kiyo** 1986 Jun;32(6):847–52 (Eng. Abstr.) **(Jpn)**

[Bourneville's tuberous sclerosis with renal manifestations] Proca E, et al. **Rev Chir [Chir]** 1986 Nov–Dec;35(6):401–14 (Eng. Abstr.) **(Rum)**

FAMILIAL & GENETIC

Genetic mechanisms of tumor–specific loss of 11p DNA sequences in Wilms tumor. Dao DD, et al. **Am J Hum Genet** 1987 Aug;41(2):202–17

Nonrandom loss of maternal chromosome 11 alleles in Wilms tumors. Schroeder WT, et al. **Am J Hum Genet** 1987 May; 40(5):413–20

Renal carcinoma with a strong family history. Mathieson PW. **Br J Urol** 1986 Aug;58(4):458–9

Renal oncocytoma. A cytogenetic and morphologic study. Kovacs G, et al. **Cancer** 1987 Jun 15;59(12):2071–7

Abnormalities at chromosome region 3p12–14 characterize clear cell renal carcinoma. Carroll PR, et al. **Cancer Genet Cytogenet** 1987 Jun;26(2):253–9

Proximal 3p deletion in renal cell carcinoma cells from a patient with von Hippel–Lindau disease. King CR, et al. **Cancer Genet Cytogenet** 1987 Aug;27(2):345–8

Telomeric association in two human renal tumors. Kovacs G, et al. **Cancer Genet Cytogenet** 1987 Oct;28(2):363–6

Deletion 3p: the only chromosome loss in a primary renal cell carcinoma. Szücs S, et al. **Cancer Genet Cytogenet** 1987 Jun;26(2):369–73

What is the genetic mechanism underlying the recurrent 3p rearrangement in human renal cell carcinoma? [letter] Teyssier JR. **Cancer Genet Cytogenet** 1987 Mar; 25(1):179–81

Enhanced expression of the N–myc gene in Wilms' tumors. Nisen PD, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6217–22

Mapping of human chromosome 11: organization of genes within the Wilms' tumor region of the chromosome. Housman DE, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:837–41

The chromosome 11 gene map: genes for growth and development, Wilms' tumor deletions, and cancer chromosome breakpoints. Shows TB, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:867–77

Mapping by chromosome sorting of several gene probes, including c–myc, to the derivative chromosomes of a 3;8 translocation associated with familial renal cancer. Harris P, et al. **Cytometry** 1986 Nov;7(6):589–94

The enhanced 32P labeling of CDP–diacylglycerol in c–myc gene expressed human kidney cancer cells. Kubota Y, et al. **FEBS Lett** 1987 Feb 9;212(1):159–62

Regional localization of DNA probes on the short arm of chromosome 11 using aniridia–Wilms' tumor–associated deletions. Mannens M, et al. **Hum Genet** 1987 Feb; 75(2):180–7

Partial androgen receptor deficiency and mixed gonadal dysgenesis in Drash syndrome. Turleau C, et al. **Hum Genet** 1987 Jan;75(1):81–3

Complete and incomplete Drash syndrome: a clinicopathologic study of five cases of a dysontogenetic–neoplastic complex. Manivel JC, et al. **Hum Pathol** 1987 Jan;18(1):80–9

Aniridia and Wilms' tumor in a child constitutionally mosaic for 11p–;12q+: a new chromosomal change also present in Wilms' tumor cells of the blastema type. Trigg ME, et al. **Hum Pathol** 1986 Oct;17(10):1074–7

Specific chromosome aberration in human renal cell carcinoma. Kovacs G, et al. **Int J Cancer** 1987 Aug 15; 40(2):171–8

Prognostic value of deoxyribonucleic acid content in metastatic renal cell carcinoma. Ljungberg B, et al. **J Urol** 1986 Oct;136(4):801–4

Chromosome anomalies suggestive of malignant transformation in bilateral renal oncocytoma. Psihramis KE, et al. **J Urol** 1986 Oct;136(4):892–5

Well differentiated clear cell renal carcinoma: significance of nuclear deoxyribonucleic acid patterns studied by flow cytometry. Rainwater LM, et al. **J Urol** 1987 Jan; 137(1):15–20

Recurrent deletion of the short arm of chromosome 3 in human renal cell carcinoma: shift of the c-raf 1 locus. Teyssier JR, et al. **JNCI** 1986 Dec;77(6):1187–95

Bilateral anaplastic Wilms' tumors: change in ploidy following treatment [clinical conference] **Med Pediatr Oncol** 1987;15(1):28–30

Activated K-ras and N-ras oncogenes in primary renal mesenchymal tumors induced in F344 rats by methyl(methoxymethyl)nitrosamine. Sukumar S, et al. **Mol Cell Biol** 1986 Jul;6(7):2716–20

Loss of alleles of loci on the short arm of chromosome 3 in renal cell carcinoma. Zbar B, et al. **Nature** 1987 Jun 25–Jul 1;327(6124):721–4

DNA content in renal cell carcinoma. A clinical study with special reference to tumor heterogeneity and prognosis. Ljungberg B. **Scand J Urol Nephrol [Suppl]** 1986;100:1–47

[Familial tumor of the kidney] Panchev P, et al. **Khirurgiia (Sofiia)** 1987;40(2):46–8 **(Bul)**

[Hereditary nature of nephroblastoma. Apropos of a case of 3 siblings] Chaouachi B, et al. **Ann Urol (Paris)** 1987; 21(2):102–4 (Eng. Abstr.) **(Fre)**

[Terminal renal failure in aniridia–Wilms syndrome] Wilms H, et al. **Klin Wochenschr** 1986 Sep 1;64(17):800–3 (Eng. Abstr.) **(Ger)**

[Amplification of oncogene N-myc in human neuroblastomas] Kanda N. **Gan No Rinsho** 1987 Apr;33(5 Suppl):600–4 (Eng. Abstr.) **(Jpn)**

[A case of aniridia–Wilms' tumor syndrome] Ogura A, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Feb;78(2):341–5 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Idiopathic linear glomerular IgA deposition. Fivush B, et al. **Arch Pathol Lab Med** 1986 Dec;110(12):1189–91

Serum antibody against Tamm–Horsfall protein in patients with renal cell carcinoma. Fowler JE Jr, et al. **Cancer** 1987 Jun 1;59(11):1923–6

A renal cell carcinoma neoplastic antigen detectable by immunohistochemistry is defined by a murine monoclonal antibody. Kochevar J. **Cancer** 1987 Jun 15;59(12):2031–6

Detection of SSEA-1 on human renal tumors. Liebert M, et al. **Cancer** 1987 Apr 15;59(8):1404–8

Monoclonal antibodies to kidney and tumor-associated surface antigens of human renal cell carcinoma. Luner SJ, et al. **Cancer Res** 1986 Nov;46(11):5816–20

Cellular antigens in nephroblastoma: identification with monoclonal antibodies which recognize hemopoietic cells. Platt JL, et al. **Clin Immunol Immunopathol** 1987 Apr; 43(1):110–6

The expression of 3-fucosylated-N-acetyl lactosamine carbohydrate determinants in renal tumours. Fleming S, et al. **Histopathology** 1987 Feb;11(2):171–82

Antibodies to cultured tumor cells detected in sera of renal cell carcinoma patients by a quantitative avidin–biotin method. deKernion JB, et al. **J Urol** 1986 Oct;136(4):795–8

Lysis of autologous tumor cells by peripheral blood lymphocytes treated with interleukin 2 in patients with renal cell carcinoma. Nakano E, et al. **J Urol** 1987 Apr; 137(4):641–8

Antigenic heterogeneity of long-term cultured renal carcinoma cell line (KU-2) analyzed by tumor specific monoclonal antibodies [published erratum appears in Keio J Med 1987 Jan;36(1):145] Nakamura S. **Keio J Med** 1986 Oct;35(4):276–90

Interleukin 2 induced cytotoxicity on renal cell carcinoma. 1. In vitro enhancement of natural killer cell activity. Ueno M. **Keio J Med** 1986 Jun;35(2):80–9

Interleukin 2 induced cytotoxicity on renal cell carcinoma. 2. Synergistic effects of interleukin 2 and interferon gamma. Ueno M. **Keio J Med** 1986 Jun;35(2):90–100

Immunological reactivity in children with Wilms' tumor. Kowalczyk D, et al. **Neoplasma** 1986;33(4):509–18

[Hippel–Lindau syndrome: morphology and immunohistochemistry of tumors related to this syndrome] Gibbons FE, et al. **Schweiz Med Wochenschr** 1987 Jan 3; 117(1):23–7 (Eng. Abstr.) **(Ger)**

[Immunohistochemical characterization of renal cell carcinomas] Bohle B, et al. **Verh Dtsch Ges Pathol** 1986; 70:274–8 (Eng. Abstr.) **(Ger)**

[Carcinoembryonic antigen (CEA) in carcinoma of the upper urinary tract and bladder. Immunohistochemical study] Lanzafame S, et al. **Pathologica** 1986 Jul–Aug; 78(1056):451–8 (Eng. Abstr.) **(Ita)**

[Comparative study of the activating effects of recombinant human interleukin 2 and interferon-gamma on cell-mediated cytotoxicity against renal cell carcinoma in vitro] Marumo K, et al. **Gan To Kagaku Ryoho** 1987 Jun; 14(6 Pt 1):1825–9 (Eng. Abstr.) **(Jpn)**

[Clinical significance of determining differentiation antigens of peripheral blood lymphocytes in neuroblastoma and nephroblastoma in children] Durnov LA, et al. **Vopr Onkol** 1987;33(8):62–70 (Eng. Abstr.) **(Rus)**

[CEA and ABO antigens as early signs of malignancy in urotheliomas of the upper urinary tract] Cisternino A, et al. **Arch Esp Urol** 1986 Oct;39(8):529–33 (Eng. Abstr.) **(Spa)**

METABOLISM

Aberrant regulation of carbohydrate metabolism and metamorphosis during renal carcinogenesis. Bannasch P, et al. **Adv Enzyme Regul** 1986;25:279–96

Immunohistochemical localization of renin in renal tumors. Tomita T, et al. **Am J Pathol** 1987 Jan;126(1):73–80

Variation in the binding of 125I-labeled interferon-beta ser to cellular receptors during growth of human renal and bladder carcinoma cells in vitro. Ruzicka FJ, et al. **Cancer Res** 1987 Sep 1;47(17):4582–9

Proteinase inhibitors in the kidney and its tumours. Fleming S, et al. **Histopathology** 1986 Dec;10(12):1303–13

Transport of circulating serum cholesterol by human renal cell carcinoma. Clayman RV, et al. **J Urol** 1987 Jun; 137(6):1262–5

Renal tumors in infants [letter] Drut R. **Pediatr Pathol** 1986; 6(2–3):367

Insulin-like growth factor II in human adrenal pheochromocytomas and Wilms tumors: expression at the mRNA and protein level. Haselbacher GK, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):1104–6

Determination of androgen, progestin and estrogen receptors with two different assays in renal cell carcinoma. Klötzl G, et al. **Urol Int** 1987;42(2):100–4

Ornithine decarboxylase activity and polyamine content in normal renal tissue and in renal carcinoma. Uvelius B, et al. **Urol Int** 1987;42(2):105–7

[Lectin binding studies of the human nephron and renal cell carcinoma] Chan YF. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep;77(9):1405–15 (Eng. Abstr.) **(Jpn)**

[Histochemical characteristics of renal cell cancer] Shliapnikov VV. **Arkh Patol** 1986;48(12):53–7 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Cloning and characterization of BK virus-related DNA sequences from normal and neoplastic human tissues. Knepper JE, et al. **J Med Virol** 1987 Mar;21(3):289–99

MORTALITY

Renal cell carcinoma: blood transfusion and survival. Manyonda IT, et al. **Br Med J [Clin Res]** 1986 Aug 30; 293(6546):537–8

Wilms' tumor: prognostic factors and survival. Yildiz I, et al. **Chemioterapia** 1987 Apr;6(2):140–3

[Renal cell carcinoma: a clinical study of fatalities] Onishi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Oct; 77(10):1618–22 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Occupational risks for renal cancer in Sweden. McLaughlin JK, et al. **Br J Ind Med** 1987 Feb;44(2):119–23

Two cases of primary neuroblastoma of the kidney in adults. Gohji K, et al. **J Urol** 1987 May;137(5):966–8

Squamous cell carcinoma of the renal pelvis. Li MK, et al. **J Urol** 1987 Aug;138(2):269–71

[Epidemiology of neuroblastoma] Takeda T, et al. **Gan No Rinsho** 1987 Apr;33(5 Suppl):501–6 (Eng. Abstr.) **(Jpn)**

[Malignant fibrous histiocytoma of the perirenal tissue: report of a case—a statistical study of 58 cases of urological malignant fibrous histiocytoma in Japanese literature] Sawada Y, et al. **Hinyokika Kiyo** 1986 Jun;32(6):853–64 (Eng. Abstr.) **(Jpn)**

[Study of primary tumors of renal pelvis and ureter in the Tokai Urological Tumor Registry over a 4-year period] Obata K, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jun; 77(6):995–9 (Eng. Abstr.) **(Jpn)**

[Kidney cancer morbidity in the population of Kuibyshev Province] Prianichnikova MB, et al. **Vopr Onkol** 1987; 33(7):21–5 **(Rus)**

PATHOLOGY

Fine needle aspiration cytology of metastatic malignant rhabdoid tumor. Wakely PE Jr, et al. **Acta Cytol (Baltimore)** 1986 Sep–Oct;30(5):533–7

Spontaneous rupture of the kidney. Mazuch J, et al. **Acta Med Hung** 1986;43(1):59–65

Renal cell carcinoma of lower nephron origin. Aizawa S, et al. **Acta Pathol Jpn** 1987 Apr;37(4):567–74

Clinicopathological study on small renal cell carcinomas with metastases. Aizawa S, et al. **Acta Pathol Jpn** 1987 Jun; 37(6):947–54

Renal oncocytoma. Akizuki S, et al. **Acta Pathol Jpn** 1986 Sep;36(9):1377–82

Renal oncocytoma. Engel U, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1987 May; 95(3):107–11

Perirenal lymphoma. Report of a case. Lindgren PG, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jul–Aug;27(4):433–5

Renal epithelial hyperplastic and neoplastic proliferation in autosomal dominant polycystic kidney disease. Gregoire JR, et al. **Am J Kidney Dis** 1987 Jan;9(1):27–38

Primary renal lymphoma presenting as acute renal failure. Truong LD, et al. **Am J Kidney Dis** 1987 Jun;9(6):502–6

Low-grade renal cell carcinoma. A clinicopathologic study of 53 cases. Medeiros LJ, et al. **Am J Surg Pathol** 1987 Aug;11(8):633–42

Malignant lymphoma presenting as a renal mass: four cases. Osborne BM, et al. **Am J Surg Pathol** 1987 May; 11(5):375–82

Karyometry and histometry of renal-cell carcinoma. Bibbo M, et al. **Anal Quant Cytol Histol** 1987 May;9(2):182–7

Intracardiac extension of Wilms' tumor. A report of the National Wilms' Tumor Study. Nakayama DK, et al. **Ann Surg** 1986 Dec;204(6):693–7

Multicystic renal oncocytoma. Ogden BW, et al. **Arch Pathol Lab Med** 1987 May;111(5):485–6

Multilocular renal cyst. A hamartoma with potential for neoplastic transformation? Sherman ME, et al. **Arch Pathol Lab Med** 1987 Aug;111(8):732–6

Spontaneous rupture of renal angiomyolipoma with perinephric haemorrhage: sonographic findings. Derchi LE, et al. **Br J Radiol** 1985 Oct;58(694):979–82

Spontaneous regression of metastatic renal carcinoma [editorial] Kirk D. **Br J Surg** 1987 Jan;74(1):1–2

The accuracy and limitations of ultrasound in the assessment of venous extension in renal carcinoma. Webb JA, et al. **Br J Urol** 1987 Jul;60(1):14–7

Clinical evaluation of urothelial tumors of the renal pelvis and ureter based on a new classification system. Akaza H, et al. **Cancer** 1987 Apr 1;59(7):1369–75

Sarcomatoid renal tumors. Clinicopathologic correlation of three cases. Bonsib SM, et al. **Cancer** 1987 Feb 1; 59(3):527–32

Sarcomatoid renal cell carcinoma: clinicopathologic. A study of 42 cases. Ro JY, et al. **Cancer** 1987 Feb 1;59(3):516–26

Flow cytometric analysis of nephroblastomas and related neoplasms. Schmidt D, et al. **Cancer** 1986 Dec 1; 58(11):2494–500

Sarcomatoid renal cell carcinoma. A treatable entity. Sella A, et al. **Cancer** 1987 Sep 15;60(6):1313–8

Relapse-associated variables in stage I favorable histology Wilms' tumor. A report of the National Wilms' Tumor Study. Weeks DA, et al. **Cancer** 1987 Sep 15;60(6):1204–12

Characterization of two human cell lines (TK-10, TK-164) of renal cell cancer. Bear A, et al. **Cancer Res** 1987 Jul 15;47(14):3856–62

Enhanced inhibition of colony formation of human renal cell carcinoma in soft agar by the combination of alpha-difluoromethylornithine and recombinant gamma-interferon. Gohji K, et al. **Cancer Res** 1986 Dec; 46(12 Pt 1):6264–8

Stability of human renal cell carcinomas during long term serial transplantation into nude mice: histopathology, nuclear grade, mitotic rate, and DNA content in thirty tumors. Knöfel WT, et al. **Cancer Res** 1987 Jan 1; 47(1):221–4

Alteration of glutathione transferase isoenzyme concentrations in human renal carcinoma. Di Ilio C, et al. **Carcinogenesis** 1987 Jun;8(6):861–4

Enhanced expression of insulin-like growth factor II is not a necessary event in Wilms' tumour progression. Little MH, et al. **Carcinogenesis** 1987 Jun;8(6):865–8

Invasion in vitro by explants of Lucke renal carcinoma cocultured with normal tissue is temperature dependent. McKinnell RG, et al. **Clin Exp Metastasis** 1986 Oct–Dec; 4(4):237–43

Growth and metastatic behavior of human tumor cells implanted into nude and beige nude mice. Naito S, et al. **Clin Exp Metastasis** 1987 Apr–Jun;5(2):135–46

Role of computed tomography in staging of renal cell carcinoma. Doda SS, et al. **Comput Radiol** 1986 Jul–Aug; 10(4):183–8

Renal adenocarcinoma presenting with bilateral metastases to Bartholin's glands: primary diagnosis by aspiration cytology. Leiman G, et al. **Diagn Cytopathol** 1986 Sep; 2(3):252–5

Solitary breast metastasis from a hypernephroma. Hardy SC, et al. **Eur J Surg Oncol** 1987 Aug;13(4):365–6

Renal oncocytoma: a true clinical entity? Algaba F, et al. **Eur Urol** 1987;13(1–2):70–3

Primary renal lymphoma. Betta PG, et al. **Eur Urol** 1986; 12(5):352–4

Value of computerized tomography and ultrasonography in the preoperative diagnosis of renal cell carcinoma extending into the inferior vena cava. Giuliani L, et al. **Eur Urol** 1987;13(1–2):26–30

Prognosis of renal cell carcinoma related to nuclear grade, DNA content and Robson stage. Klöppel G, et al. **Eur Urol** 1986;12(6):426–31

Patterns of stromal elements in an implanted ureteric transitional cell carcinoma. An immunohistochemical and ultrastructural study. Al-Zuhair AG, et al. **Eur Urol** 1987; 13(1–2):79–82

Paget's disease of the vulva and urogenital malignancies: a case report and review of the literature. Degefu S, et al. **Gynecol Oncol** 1986 Nov;25(3):347–54 (26 ref.)

Characteristics of an established cell line (KU-2) derived from human renal cell carcinoma: I. Cloning of cells and morphological study of clones; II. Cell kinetics of KU-2 cells; III. Detection of type C virus in the culture. Katsuoka Y. **Hinyokika Kiyo** 1986 Jul;32(7):941–8

Malignant osteoclastoma-like giant cell tumour of the renal pelvis. Borg-Grech A, et al. **Histopathology** 1987 Apr; 11(4):415–25

Collecting duct carcinoma of the kidney. Fleming S, et al. **Histopathology** 1986 Nov;10(11):1131–41

Malignant hypertension due to a renin-secreting renal cell carcinoma—an ultrastructural and immunocytochemical study. Lindop GB, et al. **Histopathology** 1986 Oct; 10(10):1077–88

Severely atypical changes in renal epithelium in biopsy and graft nephrectomy specimens in two cases of cadaver renal transplantation. Mittal BV, et al. **Histopathology** 1987 Aug; 11(8):833–41

Angiomyolipoma with regional lymph node involvement and long-term follow-up study. Brecher ME, et al. **Hum Pathol** 1986 Sep;17(9):962–3

Massive renal adenomatosis: a case exhibiting low-grade malignancy. Passega E, et al. **Hum Pathol** 1987 Aug; 18(8):859–63

Intracranial presentation of renal cell carcinoma (a case report). Rath GK, et al. **Indian J Cancer** 1985 Jun; 22(2):157–61

Effect of interferon alpha, interferon beta, and interferon gamma on the in vitro growth of human renal adenocarcinoma cells. Kuebler JP, et al. **Invest New Drugs** 1987;5(1):21–9

Magnetic resonance imaging evaluation of radiation-induced changes in experimentally implanted renal cell carcinoma. Demas BE, et al. **Invest Radiol** 1987 Mar;22(3):206–8

Pulmonary sulcus metastases simulating intraabdominal malignancy in childhood tumors. Donaldson JS, et al. **J Comput Tomogr** 1987 Jul;11(3):271–4

Four primary malignant tumors, including malignant melanoma and malignant lymphoma, in the same adult patient. Igisu K, et al. **J Dermatol (Tokyo)** 1987 Apr; 14(2):170–4

Renal cell carcinoma metastatic to the tongue. Kapoor VK, et al. **J Indian Med Assoc** 1987 Apr;85(4):119–20

Simultaneous bilateral Wilms' tumors. A long-term survivor with histologic maturation. Watanatittan S, et al. **J Med Assoc Thai** 1987 Jun;70(6):338–43

Brain metastasis in hypernephroma. Gay PC, et al. **J Neurooncol** 1987;5(1):51–6

Metastatic renal carcinoma to larynx. Maung R, et al. **J Otolaryngol** 1987 Feb;16(1):16–8

Zollinger-Ellison syndrome associated with a renal gastrinoma in a child. Nord KS, et al. **J Pediatr Gastroenterol Nutr** 1986 Nov-Dec;5(6):980–6

Multilocular, predominantly cystic, renal cell carcinoma: an unusual gross appearance (a case report). Deshpande RB, et al. **J Postgrad Med** 1986 Oct;32(4):239–40

Squamous cell carcinoma of kidney. Soni I, et al. **J R Coll Surg Edinb** 1986 Dec;31(6):364–6

Pulsatile secondary from renal cell carcinoma presenting in the submandibular gland. Zoltie N. **J R Coll Surg Edinb** 1986 Aug;31(4):236

Sarcomatoid carcinoma of the kidney. Bertoni F, et al. **J Urol** 1987 Jan;137(1):25–8

Fibroepithelial polyp of the renal pelvis. Blank C, et al. **J Urol** 1987 May;137(5):962–3

Renal pelvic carcinoma: morphological correlates of metastatic behavior. Davis BW, et al. **J Urol** 1987 May; 137(5):857–61

Hypernephroma associated with multiple endocrine neoplasia type I: a case report. Denker PS, et al. **J Urol** 1986 Oct; 136(4):896–8

Synchronous presentation of nonseminomatous germ cell tumor and renal cell carcinoma: a case report. Ellen MR, et al. **J Urol** 1986 Dec;136(6):1309–10

Comparative value of ultrasonography, computerized tomography, angiography and excretory urography in the staging of renal cell carcinoma. Frohmüller HG, et al. **J Urol** 1987 Sep;138(3):482–4

Enhanced inhibition of anticancer drugs by human recombinant gamma-interferon for human renal cell carcinoma in vitro. Gohji K, et al. **J Urol** 1987 Mar; 137(3):539–43

Renal cell carcinoma in Japanese children. Goto S, et al. **J Urol** 1986 Dec;136(6):1261–3

Transitional cell carcinoma in the Muir-Torre syndrome. Grignon DJ, et al. **J Urol** 1987 Aug;138(2):406–8

Soft agarose colony formation assay for human renal cell carcinoma: comparison of optical colony counting versus tritiated thymidine incorporation. Hosaka Y, et al. **J Urol** 1986 Nov;136(5):1102–9

Primary malignant fibrous histiocytoma of the kidney: report of a case. Kollias G, et al. **J Urol** 1987 Aug;138(2):400–1

Unusual renal sarcoma in a young adult: its similarities to clear cell sarcoma of the kidney. Ogawa K, et al. **J Urol** 1987 Apr;137(4):730–1

Solitary late recurrence of renal cell carcinoma. Takatera H, et al. **J Urol** 1986 Oct;136(4):799–800

Different growth pattern and biologic behavior of human renal cell carcinoma implanted into different organs of nude mice. Naito S, et al. **JNCI** 1987 Feb;78(2):377–85

Hodgkin's disease following Wilms' tumor: a case report. Bell BA, et al. **Med Pediatr Oncol** 1987;15(2):109–11

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 50-1986. A 73-year-old woman with dyspnea, apnea, and an adrenal mass. **N Engl J Med** 1986 Dec 18;315(25):1595–606

Renal adenomatosis associated with bilateral renal calculi. Fukuoka H, et al. **Nippon Jinzo Gakkai Shi** 1986 Sep; 28(9):1293–8

Adenocarcinoma of the kidney in chronic hemodialysis patients in Japan—nationwide questionnaire study and review of case reports. Ishikawa I. **Nippon Jinzo Gakkai Shi** 1986 Sep;28(9):1299–303

Clear-cell carcinoma metastasis to thyroid tissue. Conklin WT, et al. **Pa Med** 1987 Jan;90(1):40, 42

Percutaneous fine-needle aspiration biopsy cytology of the kidney and adrenal. Nguyen GK. **Pathol Annu** 1987;22 Pt 1:163–91

Inverted urothelial papilloma. Report of five cases and review of the literature. Romanelli R. **Pathologica** 1986 Jan-Feb;78(1053):89–97

Case 3. Renal gastrinoma with Zollinger-Ellison syndrome. Joshi VV, et al. **Pediatr Pathol** 1986;6(4):475–6

Undifferentiated renal cell carcinoma in infancy: report of a case and review of literature. Senga Y, et al. **Pediatr Pathol** 1986;5(2):157–65

Granulocytic sarcoma of the kidney in a patient with acute myelomonocytic leukaemia. A case report. Klein B, et al. **S Afr Med J** 1986 Nov 22;70(11):696–8

The renal lesions of tuberous sclerosis. Bernstein J, et al. **Semin Diagn Pathol** 1986 May;3(2):97–105

Renal and extrarenal rhabdoid tumors in children: a clinicopathologic study of 14 patients. Sotelo-Avila C, et al. **Semin Diagn Pathol** 1986 May;3(2):151–63

Biological aspects of renal cell carcinoma. Vugrin D. **Semin Nephrol** 1987 Jun;7(2):117–22 (46 ref.)

Bilateral rhabdomyomatous tumor relapsed as typical triphasic Wilms' tumor. Ceccamea A, et al. **Tumori** 1987 Feb 28;73(1):85–9

Proliferative activity in human urologic malignancies: a preliminary study. Veronese S, et al. **Tumori** 1987 Jun 30; 73(3):295–9

Adenocarcinoma of the kidney in childhood. de Reijke TM, et al. **Urol Int** 1987;42(3):220–3

Synchronous bilateral renal carcinoma. Enucleation of tumor and simultaneous contralateral nephrectomy. Glikman L, et al. **Urol Int** 1987;42(3):217–9

Xenogenic transplantation of human bladder- and renal-cell carcinoma into NMRI mice treated with cyclosporin A and into NMRI nu/nu mice. Introduction of a new experimental cancer model. Otto U, et al. **Urol Int** 1987; 42(1):1–5

Malignant fibrous histiocytoma arising from the renal capsule: report of a case. Takashi M, et al. **Urol Int** 1987; 42(3):227–30

Prostatic carcinoma metastasis to the kidney: diagnosis by thin needle aspiration biopsy. Kutcher R, et al. **Urol Radiol** 1986;8(2):98–100

Ureteral and renal pelvic metastases from renal cell carcinoma. Mitty HA, et al. **Urol Radiol** 1987;9(1):16–20

Tuberous sclerosis with angiomyolipoma and metastasized hypernephroma. Ahuja S, et al. **Urology** 1986 Nov; 28(5):413–9

Ectopic renal papilla: a benign renal pelvic filling defect. Benton O. **Urology** 1987 Apr;29(4):423–5

Angiosarcoma of kidney. Cason JD, et al. **Urology** 1987 Sep; 30(3):281–3

Metastatic renal oncocytic neoplasm with benign histologic appearance. Jockle GA, et al. **Urology** 1987 Jul;30(1):79–81

Ureteral stump metastases from renal adenocarcinoma. Psihramis KE. **Urology** 1987 Sep;30(3):220–3

Leiomyosarcoma of kidney. Rakowsky E, et al. **Urology** 1987 Jan;29(1):68–70

Renal cell cancer: best recipient of tumor-to-tumor metastasis. Sella A, et al. **Urology** 1987 Jul;30(1):35–8

Simultaneous renal cell carcinoma and squamous cell carcinoma of kidney. Valderrama E, et al. **Urology** 1987 Apr;29(4):441–5

Renal oncocytoma: immuno- and carbohydrate histochemical characterization. Holthöfer H. **Virchows Arch [A]** 1987;410(6):509–13

Immunohistochemical analysis on normal nephrogenesis and Wilms' tumour using monoclonal antibodies reactive with lymphohaemopoietic antigens. Ishii E, et al. **Virchows Arch [A]** 1987;411(4):315–22

An analysis of histology and DNA-ploidy in primary wilms tumors and their metastases and a study of the morphological effects of therapy. van Leeuwen EH, et al. **Virchows Arch [A]** 1987;410(6):487–94

Correlative histochemical studies on preneoplastic and neoplastic lesions in the kidney of rats treated with nitrosamines. Tsuda H, et al. **Virchows Arch [B]** 1986; 51(5):385–404

Renal oncocytoma: origin from the collecting duct. Zerban H, et al. **Virchows Arch [B]** 1987;52(5):375–87

Spontaneous regression of primary renal cell carcinoma--a case report. Choi SK, et al. **Yonsei Med J** 1986;27(4):314–7

[Case of a papillary tumor and calculus of the kidney in a female patient from an area of Balkan endemic nephropathy operated on conservatively] Donovski L, et al. **Khirurgiia (Sofiia)** 1986;39(5):93–5 **(Bul)**

[Case of combined clear-cell and transitional-cell carcinoma of one kidney with transitional-cell carcinoma of the bladder] Petrov P, et al. **Khirurgiia (Sofiia)** 1986;39(5):97–9 **(Bul)**

[Ultrasonography in the diagnosis of the extension of malignant kidney tumors into the inferior vena cava and the heart] Hořejšová M, et al. **Cesk Radiol** 1986 Aug; 40(4):275–9 (Eng. Abstr.) **(Cze)**

[Renal oncocytoma] Nielsen BP, et al. **Ugeskr Laeger** 1986 Nov 24;148(48):3202–3 (Eng. Abstr.) **(Dan)**

[Chronic lymphatic leukemia with inclusion bodies, hypercalcemia and kidney infiltration] van Dobbenburgh OA. **Ned Tijdschr Geneeskd** 1986 Oct 11;130(41):1848–51 (Eng. Abstr.) **(Dut)**

[Real-time echography in the evaluation of the venous extension of cancer of the kidney. Prospective study of 50 cases] Cornud F, et al. **Ann Urol (Paris)** 1986;20(6):373–5 (Eng. Abstr.) **(Fre)**

[Benign tumors of the posterior urethra in children. Apropos of an unusual case of rhabdomyoma of fetal type] Dodat H, et al. **J Urol (Paris)** 1987;93(1):43–6 (Eng. Abstr.) **(Fre)**

[Cancer of kidney with venous invasiveness: prognosis. Apropos of 238 renal excisions with 64 cases of venous invasiveness] Gilloz A, et al. **J Urol (Paris)** 1986; 92(8):539–43 (Eng. Abstr.) **(Fre)**

[Tubulopapillary tumors of the kidney. Apropos of 20 new cases and a review of the literature] Orain I, et al. **J Urol (Paris)** 1987;93(1):1–9 (Eng. Abstr.) **(Fre)**

[Schwannoma of the kidney. Apropos of 1 case with review of the literature] Belabbas MA, et al. **Maroc Med** 1986 Dec; 8(4):456–9 (Eng. Abstr.) **(Fre)**

[Kidney involvement in malignant lymphomas. A clinicoradiologic study of 31 patients] Zankovich R, et al. **Med Klin** 1987 Apr 24;82(9):301–5 (Eng. Abstr.) **(Ger)**

[Case report on the immunocytochemical differential diagnosis of serous effusions and cyst fluids] Ammon A, et al. **Onkologie** 1987 Apr;10(2):97–8 **(Ger)**

[Angiosarcoma of the liver and renal cell carcinoma with panmyelopathy following Thorotrast administration 40 and 41 years ago. Case reports with immunohistochemical studies] Schmid C, et al. **Pathologe** 1987 May;8(3):177–82 **(Ger)**

[Possibilities of DNA impulse cytophotometry in kidney cancers] Kiesewetter F, et al. **Urologe [A]** 1987 May; 26(3):162–7 (Eng. Abstr.) **(Ger)**

[Renal cell carcinoma--a classification based on cytomorphological criteria] Thoenes W, et al. **Zentralbl Allg Pathol** 1986;132(5–6):503–13 (Eng. Abstr.) **(Ger)**

[Siderophilic adenoma of the kidney] Tóth T, et al. **Morphol Igazsagugyi Orv Sz** 1987 Jul;27(3):193–5 (Eng. Abstr.) **(Hun)**

[Cystic nephroma. Histological and ultrastructural study of a case observed in an adult] Mincione GP, et al. **Pathologica** 1986 May-Jun;78(1055):407–13 (Eng. Abstr.) **(Ita)**

[Association of a giant cell tumor of the kidney with a papillary carcinoma of the renal pelvis] Sentinelli S, et al. **Pathologica** 1986 Sep-Oct;78(1057):691–9 (Eng. Abstr.) **(Ita)**

[Echotomography-computerized tomography integration in the tissue characterization of renal angiomyolipoma] Rossi A, et al. **Radiol Med (Torino)** 1987 Jan-Feb;73(1–2):42–50 (Eng. Abstr.) **(Ita)**

[A case of intussusception due to intestinal metastasis of renal carcinoma] Yamada Y, et al. **Gan No Rinsho** 1986 Oct; 32(12):1604–9 (Eng. Abstr.) **(Jpn)**

[Bone metastasis from renal cell carcinoma] Matsumoto K. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1710–6 (Eng. Abstr.) **(Jpn)**

[A case of synchronous contralateral renal cell carcinoma and ureteral transitional cell carcinoma] Maeda O, et al. **Hinyokika Kiyo** 1986 Jul;32(7):1034–40 (Eng. Abstr.) **(Jpn)**

[Results of radical nephrectomy for renal cell carcinoma. Report 1. Analysis according to the TNM staging system of the general rule for clinical and pathological studies on renal cell carcinoma] Nishio Y, et al. **Hinyokika Kiyo** 1987 Mar;33(3):337–43 (Eng. Abstr.) **(Jpn)**

[Spontaneous rupture of renal leiomyosarcoma: report of a case] Yoshikawa M, et al. **Hinyokika Kiyo** 1986 Sep; 32(9):1282–7 (Eng. Abstr.) **(Jpn)**

[Enhancing cytotoxic effect of calcium antagonists on anticancer agents in human renal cell carcinoma cells in vitro] Masuda M, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Oct;77(10):1592–6 (Eng. Abstr.) **(Jpn)**

[Chemctherapy of renal cell carcinoma. I. Drug sensitivity test of cultured human renal cell carcinoma lines by regrowth assay] Osawa T. **Nippon Hinyokika Gakkai Zasshi** 1986 Nov; 77(11):1796–804 (Eng. Abstr.) **(Jpn)**

[Fine-needle aspiration biopsy under sonographic guidance in renal and retroperitoneal masses] Takebayashi S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Nov 25; 46(11):1274–80 (Eng. Abstr.) **(Jpn)**

[Lymph node topography and various features of the metastasis of malignant kidney tumors] Gavrilin SV, et al. **Arkh Anat Gistol Embriol** 1986 Oct;91(10):47–50 (Eng. Abstr.) **(Rus)**

[Giant angiomyolipoma of the kidney] Ivanov AA, et al. **Arkh Patol** 1987;49(2):70–3 (Eng. Abstr.) **(Rus)**

[Xanthogranulomatous pyelonephritis, squamous cell cancer and lithiasis in 1 kidney] Moldavskiĭ MI, et al. **Arkh Patol** 1986;48(9):62–3 (Eng. Abstr.) **(Rus)**

[Intravital echotomographic estimation of the mass of neoplastic lesions of the kidneys and adrenal glands] Bogin IuN, et al. **Klin Med (Mosk)** 1987 Jan;65(1):121–2 **(Rus)**

[Wilms' tumor in an adult] Iatsenko LN, et al. **Sov Med** 1987; (2):113–4 **(Rus)**

[Sarcomatoid cancer of the kidney] Vlodavskiĭ EA. **Vrach Delo** 1987 Apr;(4):80–1 **(Rus)**

[Clinico-morphologic characteristics of renal adenoma] Vlodavskiĭ EA. **Vrach Delo** 1987 May;(5):36–8 (Eng. Abstr.) **(Rus)**

[Papillomas of the pelvis and ureter. Histopathologic study of 107 biopsies] Tatić V, et al. **Vojnosanit Pregl** 1986 Sep-Oct;43(5):347–52 (Eng. Abstr.) **(Scr)**

[Renal oncocytoma: presentation of a case and review of the literature] Lobato Escinas J, et al. **Actas Urol Esp** 1987 Jan-Feb;11(1):97-100 (Eng. Abstr.) **(Spa)**

[Renal oncocytoma: report of a new case] Virseda JA, et al. **Actas Urol Esp** 1987 Jan-Feb;11(1):113-4 (Eng. Abstr.) **(Spa)**

[Partially differentiated cystic nephroblastoma] Iglesias Niubó J, et al. **An Esp Pediatr** 1986 Sep;25(3):195-9 (Eng. Abstr.) **(Spa)**

[Renal angiomyolipoma at a single site: report of a new case] Domínguez Bravo C, et al. **Arch Esp Urol** 1986 Sep; 39(7):515-9 (Eng. Abstr.) **(Spa)**

[Multilocular cyst and renal adenocarcinoma] González Tuero JS, et al. **Arch Esp Urol** 1986 Oct;39(8):557-62 (Eng. Abstr.) **(Spa)**

[Renal oncocytoma] Unda M, et al. **Arch Esp Urol** 1987 May; 40(4):259-62 (Eng. Abstr.) **(Spa)**

[Wilms' tumor: histopathology and prognosis] Las Heras J, et al. **Rev Chil Pediatr** 1986 Jul-Aug;57(4):339-42 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

The relationship of lactoferrin to the anemia of renal cell carcinoma. Loughlin KR, et al. **Cancer** 1987 Feb 1; 59(3):566-71

Parathyroid hormone-like adenylate cyclase-stimulating activity from a human carcinoma is associated with bone-resorbing activity. Klein RF, et al. **Endocrinology** 1987 Feb;120(2):504-11

[Oral morphine hydrochloride as an analgesic in intractable pain due to end-stage urologic cancer] Inoue T, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Feb;78(2):306-10 (Eng. Abstr.) **(Jpn)**

[Renal oncocytoma: development over a 10-year period] Casanueva Luis T, et al. **Arch Esp Urol** 1986 Oct; 39(8):571-6 (Eng. Abstr.) **(Spa)**

[Renin-secreting juxtaglomerular cell tumor] Martínez Amenós A, et al. **Med Clin (Barc)** 1987 Jan 31;88(4):157-9 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Inhibition of neoplastic development in rat liver, kidney, oesophagus and forestomach by 4,4'-diaminodiphenylmethane administration. Tsuda H, et al. **Carcinogenesis** 1987 May;8(5):719-22

Future trends in research, prevention, and treatment of renal cell carcinoma. Murphy GP. **Semin Nephrol** 1987 Jun; 7(2):163-70 (50 ref.)

RADIOGRAPHY

Renal adenocarcinoma: CT staging of 100 tumors. Johnson CD, et al. **AJR** 1987 Jan;148(1):59-63

Imaging of renal masses. Tillotson CL, et al. **Am Fam Physician** 1987 Jan;35(1):199-202

A potential pitfall with lesions of the renal pelvis. Pearson RC, et al. **Br J Urol** 1987 Jul;60(1):86-7

Primary renal lymphoma. Does it exist? Kandel LB, et al. **Cancer** 1987 Aug 1;60(3):386-91

The radiology of sarcomas and sarcomatoid carcinomas of the kidney. Mucci B, et al. **Clin Radiol** 1987 May; 38(3):249-54

CT appearance of giant renal angiomyolipoma. Castillo M, et al. **Comput Radiol** 1987 Jan-Feb;11(1):49-52

The fire saved his life. Feldman MG. **Conn Med** 1987 Jun; 51(6):377-8

Computed tomography of renal angiomyolipoma presenting as right atrial mass. Rothenberg DM, et al. **J Comput Assist Tomogr** 1986 Nov-Dec;10(6):1054-6

Angiomyolipoma and renal cell carcinoma occurring in same kidney: CT evaluation. Ueda J, et al. **J Comput Assist Tomogr** 1987 Mar-Apr;11(2):340-1

Evaluation of renal angiomyolipoma by traditional and modern imaging in a case of tuberous sclerosis. Hadar H, et al. **J Comput Tomogr** 1987 Jan;11(1):67-72

Computed tomography in the diagnosis of renal pseudotumors. Simpson EL, et al. **J Comput Tomogr** 1986 Oct;10(4):341-8

Post-nephrectomy CT appearance in patients with hypernephroma. Pekanan P, et al. **J Med Assoc Thai** 1986 Oct;69 Suppl 2:77-84

Computerized tomography demonstration of an intrarenal teratoma. Ishii C, et al. **J Urol** 1987 Feb;137(2):272-3

Computerized tomography in the early postoperative management of renal cell carcinoma. Sease WC, et al. **J Urol** 1986 Oct;136(4):792-4

Renal cell carcinoma. Kreel L. **Postgrad Med J** 1986 Aug; 62(730):737-40

An algorithmic approach to the diagnosis and staging of renal neoplasms. Lang EK. **Radiol Clin North Am** 1986 Dec; 24(4):683-94

Renal sarcoma and sarcomatoid renal cell carcinoma: CT and angiographic features. Shirkhoda A, et al. **Radiology** 1987 Feb;162(2):353-7

Renal pseudotumors caused by retained pararenal surgical sponges. Fiorelli C, et al. **Rays** 1985 Jan-Apr;10(1):49-52

Small renal haemangioma diagnosed with pharmacoangiography. A case report. Jonsson K, et al. **ROFO** 1987 Mar;146(3):363-4

Exophytic renal angiomyolipoma. A case report. Vellet AD, et al. **S Afr Med J** 1987 Feb 21;71(4):257-9

Spontaneous retroperitoneal hemorrhage as first presentation of carcinoma of the kidney. A case report. Einarsson GV. **Scand J Urol Nephrol** 1986;20(3):235-6

Diagnosis and treatment of renal angiomyolipoma. Nurmi MJ, et al. **Scand J Urol Nephrol** 1986;20(4):289-94

Computed tomography in the diagnosis and staging of renal cell carcinoma. McClennan BL. **Semin Urol** 1985 May; 3(2):111-31 (40 ref.)

Hyperdense parapelvic cyst confused with renal tumor. Shah HR, et al. **South Med J** 1987 Mar;80(3):389-91

Association of pheochromocytoma with nephrocarcinoma. Case report and literature review. Sharifi R, et al. **Urol Int** 1986;41(4):299-302

Thrombosed right renal vein varix simulating a renal pelvic mass. Curry NS, et al. **Urol Radiol** 1987;9(1):36-8

Ureteral and renal pelvic metastases from renal cell carcinoma. Mitty HA, et al. **Urol Radiol** 1987;9(1):16-20

Case profile: intrapelvic aberrant renal papilla. Bourne CW. **Urology** 1987 Apr;29(4):448-9

Calcified renal masses. Patterson J, et al. **Urology** 1987 Apr; 29(4):353-6 (35 ref.)

Case profile: pseudotumor of right kidney due to hepatic hemangioma. Schachter P, et al. **Urology** 1987 Jan;29(1):85

[The application of renal angiography in the diagnosis of IVP non-visualized kidney] Liu ZJ. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Aug;20(4):210-2 (Eng. Abstr.) **(Chi)**

[The radiologic and pathological changes after embolization of renal carcinoma] Ma ZX. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Dec;20(6):344-6 (Eng. Abstr.) **(Chi)**

[Digital subtraction angiography in the diagnosis of renal cell carcinoma] Shi SF, et al. **Chung Hua Wai Ko Tsa Chih** 1987 Feb;25(2):74-5, 124 (Eng. Abstr.) **(Chi)**

[Bilateral kidney tumors] Drechslerová J, et al. **Cesk Radiol** 1987 Jan;41(1):45-55 (Eng. Abstr.) **(Cze)**

[Importance of intravenous urography in the diagnosis of tumors of the excretory tract] Van Poppel H, et al. **Acta Urol Belg** 1987;55(1):31-5 (Eng. Abstr.) **(Fre)**

[Radiological case of the month. Nephroblastoma with right auricular and caval malignant vascular thrombus] Blais C, et al. **Arch Fr Pediatr** 1986 Apr;43(4):273-4 **(Fre)**

[Radiological studies in the preoperative diagnosis of cystic cystadenoma of the kidney] Dana A, et al. **J Radiol** 1986 Oct;67(10):681-5 (Eng. Abstr.) **(Fre)**

[Pseudotumoral xanthogranulomatous pyelonephritis. Apropos of a case] Hinaut R, et al. **J Radiol** 1986 Aug-Sep; 67(8-9):579-82 (Eng. Abstr.) **(Fre)**

[Hilar lymphoma as the 1st radiological manifestation of hypernephroma metastases. A case report] Theobaldy S, et al. **ROFO** 1987 Jul;147(1):103-4 **(Ger)**

[Computerized tomography study of renal cystic adenocarcinoma] Bussoli L, et al. **Radiol Med (Torino)** 1986 Nov;72(11):862-3 **(Ita)**

[Renal cell carcinoma incidentally found by computed tomography: report of 4 cases] Furuta H, et al. **Hinyokika Kiyo** 1987 Apr;33(4):579-84 (Eng. Abstr.) **(Jpn)**

[A report of three cases of renal cell carcinoma with multilocular cystic changes seen on CT] Kawashima H, et al. **Rinsho Hoshasen** 1986 Nov;31(12):1473-6 (Eng. Abstr.) **(Jpn)**

[Potential use of the computerized substraction angiography method in patients with kidney lesions] Vos'mirko OD, et al. **Urol Nefrol (Mosk)** 1986 Jul-Aug;(4):44-6 (Eng. Abstr.) **(Rus)**

[Erroneous diagnosis of nephroblastoma (Wilm's tumor) based on SIOP data] Ahström L, et al. **Vopr Onkol** 1986; 32(8):57-61 (Eng. Abstr.) **(Rus)**

[Bilateral renal tumor] Garrido C, et al. **Arch Esp Urol** 1987 Apr;40(3):205-8 (Eng. Abstr.) **(Spa)**

[Renal oncocytoma. Diagnosis by imaging and cytological study after aspiration puncture] Sánchez Parra M, et al. **Rev Clin Esp** 1987 Mar;180(4):206-8 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

Misleading technetium-99m DTPA renogram in renal carcinoma. Cosgriff PS, et al. **Br J Radiol** 1987 Jul; 60(715):717-9

Primary extra-adrenal pheochromocytoma: positive I-123 MIBG imaging with negative I-131 MIBG imaging. Shulkin BL, et al. **Clin Nucl Med** 1986 Dec;11(12):851-4

Comparison of fresh tissue incubation assay and the in vivo localization of monoclonal antibodies to renal cell carcinoma. Chiou RK, et al. **J Urol** 1987 Jun;137(6):1274-7

Dynamic (18F)-2-fluoro-2-deoxy-D-glucose (FDG) scintigraphy of normal and tumor-bearing rats. Paul R, et al. **Res Exp Med (Berl)** 1986;186(4):249-58

[Uptake behavior of bone metastases of hypernephroma in the 99m Tc-MDP bone scintigram. A comparison with x-ray findings] Steinbächer M, et al. **ROFO** 1987 May; 146(5):555-8 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

Postoperative radiotherapy in stage II and III renal adenocarcinoma. A randomized trial by the Copenhagen Renal Cancer Study Group. Kjaer M, et al. **Int J Radiat Oncol Biol Phys** 1987 May;13(5):665-72

The treatment and prognosis of patients with renal adenocarcinoma with solitary metastasis. 10 year survival results. Kjaer M. **Int J Radiat Oncol Biol Phys** 1987 Apr; 13(4):619-21

Use of the 90Sr applicator for intraoperative radiation therapy in a mouse tumor model. Hill HZ, et al. **J Surg Oncol** 1987 Apr;34(4):264-7

Radiation-induced occlusion of the artery in the distal lower extremity—a case report. Amemiya A, et al. **Jpn J Surg** 1987 May;17(3):178-81

[Ambulatory chemo- and radiotherapy in the complex therapy of nephroblastoma in children] Kamarli ZP. **Vopr Onkol** 1987;33(8):95-9 (Eng. Abstr.) **(Rus)**

SECONDARY

Unusual renal manifestations of choriocarcinoma. Ogunbiyi OA, et al. **Afr J Med Med Sci** 1986 Sep-Oct;15(3-4):93-7

Renal failure and death in a 60-year-old man with lung cancer [clinical conference] **Am J Med** 1987 Feb; 82(2):257-63

Metastatic deposits from a previously treated carcinoma of the lung presenting as a renal carcinoma [letter] Amin R, et al. **Br J Radiol** 1986 Oct;59(706):1050

Renal metastases from carcinoma of the lung. Becker WE, et al. **Br J Urol** 1986 Oct;58(5):494-8

Tumor crescents from intraglomerular metastases. Perl SI, et al. **Clin Nephrol** 1987 May;27(5):260-2

Ovarian cancer metastatic to the kidney: case report. Cortés J, et al. **Eur J Gynaecol Oncol** 1986;7(3):206-9

Vesicorenal reflux and upper urinary tract transitional cell carcinoma after transurethral resection of recurrent superficial bladder carcinoma. De Torres Mateos JA, et al. **J Urol** 1987 Jul;138(1):49-51

Esophageal cancer metastatic to kidney: report of 2 cases. Grise P, et al. **J Urol** 1987 Feb;137(2):274-6

Bilateral renal metastases from squamous cell carcinoma of the anus. Royce PL, et al. **J Urol** 1987 Jan;137(1):95-6

Extracapillary tumourous metastatic crescents in glomeruli of the kidney. Tóth T. **Pathol Res Pract** 1987 Apr; 182(2):240-3

Renal metastases from neuroblastoma. Report of two cases. Filiatrault D, et al. **Pediatr Radiol** 1987;17(2):137-8

Renal metastases: clinicopathologic and radiologic correlation. Choyke PL, et al. **Radiology** 1987 Feb; 162(2):359-63

Metastatic spread of malignant pleural mesothelioma. Bindi M, et al. **Rays** 1985 May-Aug;10(2):131-6

Metastatic malignant melanoma of the kidney. Case report and review of the literature. Bolkier M, et al. **Urol Int** 1986;41(4):307-8

Renal adenocarcinoma metastasizing to contralateral renal pelvis. Bergersen PJ, et al. **Urology** 1987 May;29(5):560-1

[Malignant pheochromocytomas. Apropos of a case with multiple metastatic localizations] Becquart J, et al. **Ann Cardiol Angeiol (Paris)** 1987 Apr;36(4):191-6 (Eng. Abstr.) **(Fre)**

[A case report of successful immunochemotherapy of metastatic renal cell carcinoma using UFT and PSK] Kondo N, et al. **Gan To Kagaku Ryoho** 1987 Aug; 14(8):2568-70 (Eng. Abstr.) **(Jpn)**

[Metastatic renal tumor from esophageal carcinoma] Hayashida H, et al. **Hinyokika Kiyo** 1987 Jan;33(1):69-73 (Eng. Abstr.) **(Jpn)**

[Metastatic renal tumors: clinical report of three cases and review of 136 cases including 38 cases from the Japanese literature] Maeda O, et al. **Hinyokika Kiyo** 1987 Apr; 33(4):572-8 (12 ref.) (Eng. Abstr.) **(Jpn)**

SECRETION

Gonadotrophin-producing tumour of the kidney. Yoneda F, et al. **Br J Urol** 1987 Mar;59(3):284-5

Modulation of secreted plasminogen activator activity of human renal carcinoma cells by dimethylsulfoxide, butyrate and retinoate. Nelson NF, et al. **Cancer Lett** 1987 Mar; 34(3):305-16

[CSF (colony stimulating factor)-producing renal cell carcinoma: a case report] Nishimura M, et al. **Rinsho Ketsueki** 1986 Nov;27(11):2131-5 (Eng. Abstr.) **(Jpn)**

[Renin secreting tumor and urinary excretion of kallikrein (letter)] López JM, et al. **Medicina (B Aires)** 1985; 45(5):594-5 **(Spa)**

SURGERY

Adrenal metastases of renal-cell carcinoma 19 years after nephrectomy. Fine needle aspiration cytology of a case. Duggan MA, et al. **Acta Cytol** 1987 Jul-Aug;31(4):512-6

Prognosis of renal cell carcinoma with vena caval and renal vein involvement. An update. Emmott RC, et al. **Am J Surg** 1987 Jul;154(1):49-53

Spontaneous regression of pulmonary metastases from renal adenocarcinoma before nephrectomy. Chapple CR, et al. **Br J Surg** 1987 Jan;74(1):69-70

Treatment of carcinoma in a solitary kidney: alternative technique. Bowsher WG, et al. **Br J Urol** 1987 May; 59(5):487-8

Bilateral adrenal metastases from renal carcinoma treated surgically with prolonged survival. Fox M, et al. **Br J Urol** 1986 Oct;58(5):561-3

Prolonged survival following emergency pulmonary tumour embolectomy and subsequent nephrectomy. Markham NI, et al. **Br J Urol** 1987 May;59(5):484-5

Surgical treatment of renal cancer with vena cava extension. Neves RJ, et al. **Br J Urol** 1987 May;59(5):390-5

Selection of initial therapy for renal cell carcinoma. deKernion JB, et al. **Cancer** 1987 Aug 1;60(3 Suppl):539–46
Strategies of management for advanced or recurrent kidney, adrenal, and miscellaneous genitourinary cancers. Swanson DA. **Cancer** 1987 Aug 1;60(3 Suppl):612–9
Conservative surgery of renal cell carcinoma. Ziv Y, et al. **Isr J Med Sci** 1986 Dec;22(12):885–7
Aortic and inferior vena cava resection for renal cell carcinoma invading an aberrant renal vein. Smith BM, et al. **J Cardiovasc Surg (Torino)** 1987 May–Jun;28(3):282–5
Surgical treatment of spinal cord compression in kidney cancer. Sundaresan N, et al. **J Clin Oncol** 1986 Dec; 4(12):1851–6
Bilateral Wilms' tumor. Tucker OP, et al. **J Pediatr Surg** 1986 Dec;21(12):1110–3
Surgical treatment of bilateral synchronous Wilms' tumors. Hanash KA, et al. **J Surg Oncol** 1987 Mar;34(3):172–5
Significance of the "maturation" of metastases from Wilms' tumor after therapy. Omar R, et al. **J Surg Oncol** 1986 Dec;33(4):239–42
Long–term results of resection of renal cell cancer with extension into inferior vena cava. Libertino JA, et al. **J Urol** 1987 Jan;137(1):21–4
Urological management of patients with von Hippel–Lindau's disease. Loughlin KR, et al. **J Urol** 1986 Oct;136(4):789–91
Management of locally recurrent renal cell carcinoma after partial nephrectomy. Novick AC, et al. **J Urol** 1987 Sep; 138(3):607–10
Simultaneous bilateral adrenal involvement by renal cell carcinoma: experience with 3 cases. Selli C, et al. **J Urol** 1987 Mar;137(3):480–2
Successful treatment of tumor embolism of a hypernephroma with complete occlusion of the left pulmonary artery. Isringhaus H, et al. **Thorac Cardiovasc Surg** 1987 Feb; 35(1):65–6
Partial nephrectomy for renal cell carcinoma. Novick AC. **Urol Clin North Am** 1987 May;14(2):419–33
Removal of renal cell carcinoma extending to the supradiaphragmatic vena cava with the aid of cardiopulmonary bypass. Turini D, et al. **Urol Int** 1986; 41(4):303–6
Transitional cell carcinoma in ureteral stump after radical nephrectomy for renal cell carcinoma. Grey LF, et al. **Urology** 1987 Feb;29(2):209–10
Adrenal metastases by renal cell carcinoma. Incidence at nephrectomy. O'Brien WM, et al. **Urology** 1987 Jun; 29(6):605–7
Some guidelines in use of lasers in renal surgery. Rosemberg SK. **Urology** 1987 Feb;29(2):141–5
Surgical management of renal cell carcinoma involving the hepatic vena cava (using cardiopulmonary bypass, profound hypothermia, cardiac arrest). Lachance SL, et al. **W Va Med J** 1987 Aug;83(8):378–80
[Anesthesia for binephrectomy in bilateral tumors of the kidney] Gramatikova R. **Khirurgiia (Sofiia)** 1987;40(2):57–8 **(Bul)**
[1–step operation for a tumor of the right kidney and cholelithiasis] Panchev P, et al. **Khirurgiia (Sofiia)** 1987; 40(1):51–2 **(Bul)**
[Ligation for heminephrectomy] Zhang YH, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Oct;24(10):622–3, 640 (Eng. Abstr.) **(Chi)**
[The results of surgical treatment of renal adenocarcinoma and patient prognosis] Klemenc J, et al. **Rozhl Chir** 1986 Aug;65(8–9):578–83 (Eng. Abstr.) **(Cze)**
[Bilateral neuroblastoma. Study of 5 cases and review of the literature] Chaouachi B, et al. **Ann Urol (Paris)** 1987; 21(2):98–101 (Eng. Abstr.) **(Fre)**
[Extensive nephrectomy in severe forms of cancer of the kidney in the adult] Choquenet C, et al. **Ann Urol (Paris)** 1986;20(6):427–32 (Eng. Abstr.) **(Fre)**
[Cancer of the right kidney and tumor of the right liver] Coulange C, et al. **J Urol (Paris)** 1986;92(5):307–8 (Eng. Abstr.) **(Fre)**
[Ureteral stump metastasis of a hypernephroma. A case report] Schnell D, et al. **Urologe [A]** 1987 Mar;26(2):51–4 (Eng. Abstr.) **(Ger)**
[Kidney cancer with invasion of the vena cava: classification, surgical strategy and results of treatment] Staehler G, et al. **Urologe [A]** 1987 Mar;26(2):46–50 (Eng. Abstr.) **(Ger)**
[Simultaneous occurrence of Wilm's tumor and multiple lung hamartomas in a 15–year–old girl] Lindner H, et al. **Z Kinderchir** 1987 Apr;42(2):123–5 (Eng. Abstr.) **(Ger)**
[Complications of preoperative arterial vascular embolization in malignant kidney tumors] Kratzik C, et al. **Z Urol Nephrol** 1987 May;80(5):267–70 (Eng. Abstr.) **(Ger)**
[Organ–preserving surgery in patients with kidney tumors] Frang D, et al. **Orv Hetil** 1986 Oct 19;127(42):2543–8 (Eng. Abstr.) **(Hun)**
[Simultaneous percutaneous removal of a kidney pelvis calculus and a kidney calix papilloma] Hódi I, et al. **Orv Hetil** 1987 May 24;128(21):1103–4 (Eng. Abstr.) **(Hun)**
[Renal adenocarcinoma associated with a polycystic kidney (presentation of a case and review of the literature)] Bonacina R, et al. **Chir Ital** 1986 Aug;38(4):406–11 (Eng. Abstr.) **(Ita)**
[Renal oncocytoma: a difficult preoperative diagnosis] Minocci D, et al. **Minerva Urol Nefrol** 1987 Apr–Jun; 39(2):103–6 (Eng. Abstr.) **(Ita)**
[Tumors of the upper urinary tract. Apropos of 17 cases treated surgically] Pieri I, et al. **Minerva Urol Nefrol** 1987 Jan–Mar;39(1):57–65 (Eng. Abstr.) **(Ita)**
[Extracorporeal circulation for renal cell carcinoma with supradiaphragmatic caval thrombus] Sanefuji T, et al. **Hinyokika Kiyo** 1987 Jan;33(1):35–41 (Eng. Abstr.) **(Jpn)**
[Removal of intra–atrial tumor thrombus of renal cell carcinoma: report of a case] Tabata S, et al. **Hinyokika Kiyo** 1987 Feb;33(2):251–8 (Eng. Abstr.) **(Jpn)**
[Two cases of renal angiomyolipoma] Taki Y, et al. **Hinyokika Kiyo** 1987 Apr;33(4):562–7 (Eng. Abstr.) **(Jpn)**
[Renal cell carcinoma of the solitary kidney treated by ex vivo partial nephrectomy with autotransplantation: a case report] Omori K, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Jan;78(1):144–8 (Eng. Abstr.) **(Jpn)**
[An interesting case of metastasis to the bowel tract after removal of renal cell carcinoma] Iwao T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jun;83(6):1204–8 **(Jpn)**
[2 cases of long–term survival after surgical treatment of papillary carcinoma of the renal pelvis] Switala J, et al. **Wiad Lek** 1987 Jan 15;40(2):117–9 (Eng. Abstr.) **(Pol)**
[Simultaneous surgical treatment of synchronous primary multiple tumors] Blokhina NG, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):118–9 **(Rus)**
[Successful treatment of a Wilms' tumor] Mirdzhanov K, et al. **Klin Khir** 1987;(5):53 **(Rus)**
[A complication of following resection of a kidney for cancer] Mitriaev Iul, et al. **Urol Nefrol (Mosk)** 1987 Jan–Feb;(1):54–5 **(Rus)**
[Nephrectomy with resection of the pancreas and splenectomy in cancer of the kidneys] Tkachuk VN, et al. **Urol Nefrol (Mosk)** 1987 May–Jun;(3):56–7 **(Rus)**
[Therapeutic value of transcatheter embolization in malignant tumors of the renal parenchyma] Manojlović D, et al. **Srp Arh Celok Lek** 1986 Jul;114(7):631–7 (Eng. Abstr.) **(Scc)**
[Surgical possibilities in bilateral renal carcinoma and in carcinoma of the solitary kidney: our experience] Machuca J, et al. **Arch Esp Urol** 1986 Nov–Dec;39(9):637–44 (Eng. Abstr.) **(Spa)**
[Endo–urology in urothelial tumors of the upper urinary tract] Martínez–Piñeiro JA, et al. **Arch Esp Urol** 1986 Sep; 39 Suppl 2:97–107 (Eng. Abstr.) **(Spa)**
[Carcinoma in a solitary and bilateral kidneys. Our experience with 8 cases] Pereyra Bonasso J, et al. **Arch Esp Urol** 1986 Sep;39(7):484–96 (Eng. Abstr.) **(Spa)**
[Analysis of survival and prognostic factors in renal tumor] Ucar Terrén A, et al. **Arch Esp Urol** 1987 Apr;40(3):153–7 (Eng. Abstr.) **(Spa)**

THERAPY

Wilms' tumors in adults. Bailey LE, et al. **Am Surg** 1987 Mar;53(3):149–55
Phase II study of recombinant human interferon gamma (S–6810) on renal cell carcinoma. Summary of two collaborative studies. Recombinant Human Interferon Gamma (S–6810) Research Group on Renal Cell Carcinoma. **Cancer** 1987 Sep 1;60(5):929–33
Interferon in renal cell carcinoma. The UCLA experience. Sarna G, et al. **Cancer** 1987 Feb 1;59(3 Suppl):610–2
Phase I/II trial of human recombinant beta–interferon serine in patients with renal cell carcinoma. Rinehart J, et al. **Cancer Res** 1986 Oct;46(10):5364–7
High–dose lymphoblastoid interferon in advanced renal cell carcinoma: an Eastern Cooperative Oncology Group Study. Trump DL, et al. **Cancer Treat Rep** 1987 Feb; 71(2):165–9
Renal vein ethanol concentration during ablation of renal cell carcinoma. Haapanen AA, et al. **Cardiovasc Intervent Radiol** 1986;9(4):205–8
Renal cell carcinoma: treatment with interferon. Grosh WW. **Compr Ther** 1987 Jun;13(6):34–9
Autologous anticancer antigen preparation for specific immunotherapy in advanced renal cell carcinoma. Kurth KH, et al. **Eur Urol** 1987;13(1–2):103–9
Phase II studies of recombinant human interferon gamma in metastatic renal cell carcinoma. Quesada JR, et al. **J Biol Response Mod** 1987 Feb;6(1):20–7
Phase I/II trial of recombinant gamma–interferon in patients with renal cell carcinoma: immunologic and biologic effects. Rinehart JJ, et al. **J Biol Response Mod** 1987 Jun; 6(3):302–12
Specific immunotherapy with suppressor function inhibition for metastatic renal cell carcinoma. Sahasrabudhe DM, et al. **J Biol Response Mod** 1986 Dec;5(6):581–94
Phase II study of interferon alfa–2a, recombinant (Roferon–A) in metastatic renal cell carcinoma. Buzaid AC, et al. **J Clin Oncol** 1987 Jul;5(7):1083–9
Recombinant alfa interferon in renal cell carcinoma: a randomized trial of two routes of administration. Muss HB, et al. **J Clin Oncol** 1987 Feb;5(2):286–91
Renal cell carcinoma [editorial] deKernion JB. **J Urol** 1986 Oct;136(4):882
Immunotherapy of metastatic renal cell carcinoma with polyinosinic–polycytidylic acid. Droller MJ. **J Urol** 1987 Feb;137(2):202–6
Aggressive treatment of metastatic renal cancer. Golimbu M, et al. **J Urol** 1986 Oct;136(4):805–7
Preoperative devascularization of advanced renal adenocarcinoma using a sclerosing agent. Konchanin RP, et al. **J Urol** 1987 Feb;137(2):199–201
Selective therapeutic embolization of renal cell carcinoma in solitary kidneys. Kozak BE, et al. **J Urol** 1987 Jun; 137(6):1223–5
Percutaneous management of renal pelvic tumors: a treatment option in selected cases. Smith AD, et al. **J Urol** 1987 May; 137(5):852–6
Remarkable responses of metastatic renal cell cancer in multiple organs treated with alpha–interferon. Takita T, et al. **J Urol** 1986 Nov;136(5):1061–2
Outcome of pregnancy in survivors of Wilms' tumor. Li FP, et al. **JAMA** 1987 Jan 9;257(2):216–9
In vivo distribution of recombinant interleukin–2–activated autologous lymphocytes administered by intra–arterial infusion in patients with renal cell carcinoma. Morita T, et al. **JNCI** 1987 Mar;78(3):441–50
Interleukin–2. **Med Lett Drugs Ther** 1987 Sep 25;29(749):88–9
Renal artery embolization in the palliative treatment of renal adenocarcinoma. Nurmi M, et al. **Scand J Urol Nephrol** 1987;21(2):93–6
Treatment strategies in renal carcinoma. Paulson DF. **Semin Nephrol** 1987 Jun;7(2):140–51 (45 ref.)
Systemic therapy of metastatic renal cell carcinoma. Vugrin D. **Semin Nephrol** 1987 Jun;7(2):152–62 (103 ref.)
Interferon therapy for renal cell carcinoma. Muss HB. **Semin Oncol** 1987 Jun;14(2 Suppl 2):36–42
Triple therapy for adult Wilms tumor. Godec CJ, et al. **Urology** 1987 Aug;30(2):147–52
Appearance of gas in renal tissue after therapeutic embolization. Navio–Niño S, et al. **Urology** 1986 Oct; 28(4):316–7
[A preliminary observation on therapeutic embolization in renal neoplasm using gelfoam and followed by delayed nephrectomy] Xu HY. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Aug;20(4):213–4 (Eng. Abstr.) **(Chi)**
[Renal artery embolization with absolute ethanol and its application in renal carcinoma] Dong HQ, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Jun;24(6):367–8, 383 (Eng. Abstr.) **(Chi)**
[Angiomyolipoma of the kidney. Attempt at a therapeutic codification] Montete P. **J Chir (Paris)** 1986 Oct; 123(10):523–34 (Eng. Abstr.) **(Fre)**
[Advantages and problems of multicenter therapy studies exemplified by a study of the treatment of metastasizing renal cell carcinoma with recombinant interferon–alpha–2c] Messerer D, et al. **Onkologie** 1987 Feb;10(1):43–9 (Eng. Abstr.) **(Ger)**
[Transcatheter embolization of kidney tumors] Pokorny L, et al. **Rontgenblatter** 1987 Feb;40(2):40–3 (Eng. Abstr.) **(Ger)**
[Toxic alcohol–induced gonadal damage caused by alcohol embolization of kidney tumors] Laarmann S, et al. **Urologe [A]** 1987 Mar;26(2):94–5 **(Ger)**
[Combined treatment of irradiation and 8 MHz radiofrequency hyperthermia with chemoembolization in advanced renal tumor] Nakajima K, et al. **Gan No Rinsho** 1987 Apr;33(4):421–7 (Eng. Abstr.) **(Jpn)**
[Phase II study of recombinant human interferon gamma (S–6810) in renal cell carcinoma. Urological Cooperative Study Group of Recombinant Human Interferon Gamma (S–6810)] Machida T, et al. **Gan To Kagaku Ryoho** 1987 Feb;14(2):440–5 (Eng. Abstr.) **(Jpn)**
[Transplantation in cancer therapy] Satake M, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1181–6 (26 ref.) (Eng. Abstr.) **(Jpn)**
[Introduction of natural interferon–alpha "Sumiferon"] Tsukagoshi S. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2800–3 (Eng. Abstr.) **(Jpn)**
[Anti–neoplastic activity of a human recombinant tumor necrosis factor (Hu–rec–TNF) alone or in combination with human recombinant gamma–interferon, doxorubicin or cis–platinum on a human renal cell carcinoma line] Gohji K, et al. **Hinyokika Kiyo** 1987 Mar;33(3):329–35 (Eng. Abstr.) **(Jpn)**
[Therapy of renal cell carcinoma. 3. Interferon therapy] Kobayashi M, et al. **Hinyokika Kiyo** 1987 Apr;33(4):508–14 (Eng. Abstr.) **(Jpn)**
[Experimental study of chemotherapy of renal cell carcinoma. 2. Combination effect of interferon and antitumor agents based on cell kinetic analysis] Konami T. **Hinyokika Kiyo** 1987 Jan;33(1):15–26 (Eng. Abstr.) **(Jpn)**
[Wilms' tumor in an adult patient: a case report] Motoi I, et al. **Hinyokika Kiyo** 1987 Feb;33(2):259–63 (Eng. Abstr.) **(Jpn)**
[Transcatheter renal embolization with absolute ethanol: experimental and clinical studies] Kobayashi H. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Jun 25; 46(6):757–90 (Eng. Abstr.) **(Jpn)**
[Successful treatments of plasma exchange, hemodialysis, immunosuppressive agents and dimethylsulfoxide in a case of myeloma kidney] Kojima K, et al. **Nippon Jinzo Gakkai Shi** 1987 Jan;29(1):115–21 (Eng. Abstr.) **(Jpn)**
[A clinical study of renal cell carcinoma] Morozumi M, et al. **Nippon Jinzo Gakkai Shi** 1986 Oct;28(10):1417–22 (Eng. Abstr.) **(Jpn)**

[Renal artery embolization using torque-controlled balloon catheters] Nakamura H, et al. **Rinsho Hoshasen** 1987 Jan; 32(1):167–9 **(Jpn)**

[A long survival case of renal cell carcinoma treated with repeated transcatheter arterial embolization] Takada K, et al. **Rinsho Hoshasen** 1987 Mar;32(3):451–4 (Eng. Abstr.) **(Jpn)**

[Non-specific antitumoral activity of staphylococcal enterotoxins] Shcheglovitova ON, et al. **Eksp Onkol** 1987; 9(1):28–30 (Eng. Abstr.) **(Rus)**

[Tumors of solitary or single functioning kidneys] Tropynin SI. **Urol Nefrol (Mosk)** 1987 Jan-Feb;(1):66–71 (107 ref.) **(Rus)**

[Effectiveness of the combined action of renal artery embolization and large-fraction radiation therapy in kidney cancer kidneys] Zhakov iG, et al. **Urol Nefrol (Mosk)** 1986 Nov-Dec;(6):34–7 (Eng. Abstr.) **(Rus)**

[Roentgenoendovascular occlusion in patients with cancer of the kidneys] Anisimov VN, et al. **Vestn Khir** 1986 Aug; 137(8):51–5 (Eng. Abstr.) **(Rus)**

[Tuberous sclerosis with hemorrhagic renal angiomyolipoma: superselective embolization of the renal artery using absolute ethanol. Review of the literature] Piñango L, et al. **Actas Urol Esp** 1987 Mar-Apr;11(2):222–7 (Eng. Abstr.) **(Spa)**

[Treatment of disseminated renal adenocarcinoma. Review of the literature] Escudero Barrilero A. **Arch Esp Urol** 1987 Mar;40(2):79–86 (47 ref.) (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Sarcomatous variants of Wilms' tumor. Immunohistochemical and ultrastructural comparison with classical Wilms' tumor. Takagi M, et al. **Cancer** 1987 Mar 1;59(5):963–71

Nuclear morphometry as an important prognostic factor in stage I renal cell carcinoma. Tosi P, et al. **Cancer** 1986 Dec 1;58(11):2512–8

Neural differentiation in Wilms' tumor. Magee F, et al. **Hum Pathol** 1987 Jan;18(1):33–7

Bilateral kidney tumors: oncocytoma and adenocarcinoma. A case report. Kleist H, et al. **Scand J Urol Nephrol** 1986; 20(3):237–40

Symptomatic pulmonary tumor in middle age female. Burgos E, et al. **Ultrastruct Pathol** 1986;10(5):445–50

Ultrastructure and histogenesis of the renal tumors of childhood: an overview. Mierau GW, et al. **Ultrastruct Pathol** 1987;11(2–3):313–53

VETERINARY

Nephroblastoma in two dogs. Watson AD, et al. **Aust Vet J** 1987 Mar;64(3):94–6

Generalized nodular dermatofibrosis and renal cystadenocarcinomas in a German shepherd dog. Cosenza SF, et al. **J Am Vet Med Assoc** 1986 Dec 15; 189(12):1587–90

A malignant nephroblastoma in an aged fox (Fennecus zerda). Dillberger JE, et al. **J Comp Pathol** 1987 Jan;97(1):101–6

Spontaneous renal pelvic tumor in an aged rat. Kawai Y, et al. **Nippon Juigaku Zasshi** 1987 Jun;49(3):515–8

Renal cell carcinoma in a cow. Sato S, et al. **Nippon Juigaku Zasshi** 1986 Oct;48(5):1007–10

Spontaneous lipomatous tumors in the kidney of the Crl:CD(SD)BR rat. Gordon LR. **Toxicol Pathol** 1986; 14(2):175–82

Clinical course of renal adenocarcinoma associated with hypercupraemia in a horse. Owen RA, et al. **Vet Rec** 1986 Sep 20;119(12):291–4

Renal carcinoma in a horse. Van Mol KA, et al. **Vet Rec** 1986 Sep 6;119(10):238–9

[Spontaneous nephroblastomas in rats] Gialamas J, et al. **Z Versuchstierkd** 1987;29(1–2):65–9 (Eng. Abstr.) **(Ger)**

KIDNEY PAPILLA see **KIDNEY MEDULLA**

KIDNEY PAPILLARY NECROSIS

Renal papillary necrosis in Ipoh. Segasothy M, et al. **Med J Malaysia** 1986 Mar;41(1):19–23

CHEMICALLY INDUCED

Papillary necrosis associated with rifampicin therapy. Lai FM, et al. **Aust NZ J Med** 1987 Feb;17(1):68–70

Analgesic nephropathy complicated by transitional cell carcinoma of the renal pelvis. Chapple CR, et al. **Br J Urol** 1987 Jan;59(1):89

Lesions of the renal papilla induced by paracetamol. Henry MA, et al. **J Pathol** 1987 Jan;151(1):11–9

Mefenamic acid nephropathy. Segasothy M, et al. **Nephron** 1987;45(2):156–7

The effect of long-term administration of aspirin and sodium saccharin on the rat kidney. Johansson SL, et al. **Toxicol Appl Pharmacol** 1986 Oct;86(1):80–92

Strain-related susceptibility to nephrotoxicity induced by aspirin and phenylbutazone in rats. Owen RA, et al. **Toxicol Pathol** 1986;14(2):242–6

COMPLICATIONS

Ureteroscopy in the treatment of ureteral obstruction caused by papillary necrosis. Salo JO, et al. **Eur Urol** 1987; 13(1–2):140–1

Computed tomographic diagnosis of ureteral obstruction caused by a sloughed papilla. Andriole GL, et al. **Urol Radiol** 1987;9(1):45–6

PHYSIOPATHOLOGY

Effect of atrial natriuretic factor on renal function in rats with papillary necrosis. Hildebrandt DA, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F977–80

Haemodynamic consequences of experimental papillary necrosis in the rat. Russell GI, et al. **Clin Sci** 1987 May; 72(5):599–604

RADIOGRAPHY

[Radiological renal papillary necrosis in patients with capillary sclerosis and transitional cell tumors in the upper urinary tract] Andersen JC, et al. **Nord Med** 1987; 102(3):92–4 (Eng. Abstr.) **(Dan)**

KIDNEY PELVIS

Hypercalcemia in squamous cell carcinoma of the renal pelvis? Parathyroid or paraendocrine in origin. Schaefer CJ, et al. **Am Surg** 1986 Oct;52(10):560–3

Intermittent hydronephrosis due to transitional cell carcinoma of the renal pelvis. English PJ, et al. **Br J Urol** 1987 Jan;59(1):94–5

Radioisotopic evaluation of the renal parenchymal function in children with ureteropelvic junction obstruction. A retrospective study. Piepsz A, et al. **Eur J Pediatr** 1986 Aug;145(3):207–10

A case for preoperative chemotherapy in advanced urothelial cancer of the upper urinary tract. Jakse G, et al. **Eur Urol** 1986;12(6):387–9

Malignant osteoclastoma-like giant cell tumour of the renal pelvis. Borg-Grech A, et al. **Histopathology** 1987 Apr; 11(4):415–25

Echographic investigation of renal pelvic tumors. Lagalla R, et al. **J Belge Radiol** 1987;70(2):97–102

Squamous cell carcinoma of the renal pelvis. Li MK, et al. **J Urol** 1987 Aug;138(2):269–71

Spontaneous renal pelvic tumor in an aged rat. Kawai Y, et al. **Nippon Juigaku Zasshi** 1987 Jun;49(3):515–8

Calyceal rupture with perirenal urinoma in a patient with cervical carcinoma. Spurlock JW, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):511–3

Spontaneous perforation of the renal pelvis after transplantation. A report of 2 cases and a review of 8 cases previously reported. Jamieson JR, et al. **S Afr J Surg** 1986 Sep;24(3):105–9

Acquired infundibular stenosis. Bodner DR, et al. **Urology** 1987 Jan;29(1):19–21

Renal pelvic decompression during ureterorenoscopy. Eshghi M, et al. **Urology** 1987 Apr;29(4):398–9

[Aberrant renal papilla. Peroperative nephroscopy. Conservative surgery. Apropos of a case] Dore B, et al. **J Urol (Paris)** 1986;92(5):303–6 (Eng. Abstr.) **(Fre)**

[Postoperative outcome of residual pyelocaliceal stones] Hiraishi K, et al. **J Urol (Paris)** 1987;93(2):65–71 (Eng. Abstr.) **(Fre)**

[Psoas abscess caused by non-tubercular uropyonephrosis] Crispino M, et al. **Minerva Urol Nefrol** 1987 Jan-Mar; 39(1):75–7 (Eng. Abstr.) **(Ita)**

[Tumors of the upper urinary tract. Apropos of 17 cases treated surgically] Pieri I, et al. **Minerva Urol Nefrol** 1987 Jan-Mar;39(1):57–65 (Eng. Abstr.) **(Ita)**

[Association of a giant cell tumor of the kidney with a papillary carcinoma of the renal pelvis] Sentinelli S, et al. **Pathologica** 1986 Sep-Oct;78(1057):691–9 (Eng. Abstr.) **(Ita)**

[5 cases of renal pelvis and ureteral tumor] Nishizawa K, et al. **Hinyokika Kiyo** 1986 Nov;32(11):1719–23 (Eng. Abstr.) **(Jpn)**

[Carcinoma of the renal pelvis] Extramiana Cameno J, et al. **Actas Urol Esp** 1987 Jan-Feb;11(1):29–36 (Eng. Abstr.) **(Spa)**

[Comparative study of various diagnostic methods in 2 cases of megacalycosis] Gutiérrez Baños JL, et al. **Arch Esp Urol** 1987 Jan-Feb;40(1):7–11 (Eng. Abstr.) **(Spa)**

[Spontaneous rupture of the upper urinary tract: apropos of 2 cases] Herranz Amo F, et al. **Arch Esp Urol** 1987 Jan-Feb; 40(1):39–42 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

A case of hypertension due to unilateral hydronephrosis in a child. Kawano S, et al. **Eur Urol** 1986;12(5):357–9

Congenital megacalyces. Ultrasound appearance. Garcia CJ, et al. **J Ultrasound Med** 1987 Mar;6(3):163–5

Association of congenital megacalycosis and ipsilateral segmental megaureter. Mandell GA, et al. **Pediatr Radiol** 1987;17(1):28–33

[Mega-(poly-)calycosis, a rare anomaly of the kidney. Etiology, morphology, complications and therapy] Lehmann HD, et al. **Helv Chir Acta** 1986 Oct;53(3):257–60 (Eng. Abstr.) **(Ger)**

[Sonographic findings in infundibulopelvic stenosis] Schneider K, et al. **Monatsschr Kinderheilkd** 1986 Aug; 134(8):559–60 (Eng. Abstr.) **(Ger)**

[Polycystic renal dysplasia coexistent with extensive congenital hydronephrosis in a newborn infant] Paradysz A, et al. **Wiad Lek** 1986 Sep 1;39(17):1198–200 (Eng. Abstr.) **(Pol)**

ANATOMY & HISTOLOGY

Normal renal papillae simulating caliceal filling defects on sonography. Dillard JP, et al. **AJR** 1987 May;148(5):895–6

[The kidney collecting system in man: systematization and morphometry based on 100 polyester resin casts] Sampaio FJ, et al. **Bull Assoc Anat (Nancy)** 1985 Dec; 69(207):297–304 (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

Capillarosclerosis of the renal pelvis: autopsy study for estimating the incidence of phenacetin and paracetamol abuse. Schubert GE, et al. **Eur Urol** 1986;12(5):327–30

Thrombosed right renal vein varix simulating a renal pelvic mass. Curry NS, et al. **Urol Radiol** 1987;9(1):36–8

[Pulsed duplex sonography in the detection of lower pole arteries in hydronephrosis] Gritzmann N, et al. **Radiologe** 1986 Oct;26(10):503–5 (Eng. Abstr.) **(Ger)**

[Disorders of urodynamics in intrarenal vascular abnormalities] Gazymova DM. **Urol Nefrol (Mosk)** 1986 Sep-Oct;(5):63–9 (127 ref.) **(Rus)**

EMBRYOLOGY

[Transformation of the kidney pelvis and the major and minor calices during their development] Krutsiak VN, et al. **Arkh Anat Gistol Embriol** 1986 Nov;91(11):66–70 (Eng. Abstr.) **(Rus)**

INJURIES

Bilateral pelvi-ureteric rupture following blunt injury. Smedley FH, et al. **Injury** 1986 Jan;17(1):59–60

Avulsion of the pyelo-ureteral junction in close trauma. Fiorelli C, et al. **Rays** 1987 Jan-Apr;12(1):33–8

[Spontaneous urinary extravasation of the renal pelvis. Apropos of a case] Guate Ortiz JL, et al. **Arch Esp Urol** 1986 Oct;39(8):577–82 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

[Study of urinary infection in tubeless cutaneous ureterostomy—pathognomonic meaning of bacterial flora in the renal pelvis and methods of collecting urine] Matsuda S, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Jan; 78(1):76–82 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Clinical evaluation of urothelial tumors of the renal pelvis and ureter based on a new classification system. Akaza H, et al. **Cancer** 1987 Apr 1;59(7):1369–75

Fibroepithelial polyp of the renal pelvis. Blank C, et al. **J Urol** 1987 May;137(5):962–3

Intrapelvic pressure and caliceal dilatation in the evaluation of intermittent hydronephrosis. Bratt CG, et al. **J Urol** 1987 May;137(5):845–8

Renal pelvic carcinoma: morphological correlates of metastatic behavior. Davis BW, et al. **J Urol** 1987 May; 137(5):857–61

Effects of maternal hydration on fetal renal pyelectasis. Allen KS, et al. **Radiology** 1987 Jun;163(3):807–9

Wilms tumor occurring as a botryoid renal pelvicalyceal mass. Johnson KM, et al. **Radiology** 1987 May;163(2):385–6

Carcinoma of the renal pelvis and bladder associated with sarcoidosis: a case report. Fukutani K, et al. **Urol Int** 1987; 42(3):224–6

Renal adenocarcinoma metastasizing to contralateral renal pelvis. Bergersen PJ, et al. **Urology** 1987 May;29(5):560–1

Renal peripelvic multicystic lymphangiectasia. Kutcher R, et al. **Urology** 1987 Aug;30(2):177–9

[Severe complication of Fraley syndrome] Uzunova I, et al. **Khirurgiia (Sofiia)** 1986;39(3):41–3 **(Bul)**

[Renal ultrasonic diagnosis in pregnancy. Prospective study of pyelo-calyceal changes in the mother and their obstetric implications] Gilliaux P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(2):183–7 (Eng. Abstr.) **(Fre)**

[Sinus-parenchyma border of the human kidney as the site of origin of intracanalicular and extravascular diffusion of fluids] Anderhuber F. **Gegenbaurs Morphol Jahrb** 1986; 132(5):589–616 (Eng. Abstr.) **(Ger)**

[Direct renal pelvic puncture in the bacteriologic study in patients with ureteroileal urinary diversion (a new technic for diagnosis of upper urinary tract infection)] Taki Y, et al. **Hinyokika Kiyo** 1987 Jan;33(1):43–6 (Eng. Abstr.) **(Jpn)**

[A sonographic evaluation of upper urinary tract obstruction in children. Chronological changes in renal pelves induced by the water load stress test with diuretics administration, its assessment or evaluation and clinical significance] Hataya N. **Nippon Ika Daigaku Zasshi** 1986 Oct; 53(5):467–82 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

The renal pelvis. Schmidt-Nielsen B. **Kidney Int** 1987 Feb; 31(2):621–8 (51 ref.)

Renal pelvic peristalsis in pigs during standardized flow rate variations. Tofft HP, et al. **Urol Int** 1986;41(4):292–8

A simple electrode for stable recording of pacemaker potentials for ureteral peristalsis from the in vivo canine renal pelvis. Shiraishi Y, et al. **Urol Res** 1986;14(5):279–82

PHYSIOPATHOLOGY

Intrapelvic pressure and caliceal dilatation in the evaluation of intermittent hydronephrosis. Bratt CG, et al. **J Urol** 1987 May;137(5):845–8

Re: The effects of renal pelvic pressure elevation on isotope nephrography and renal transit time, an experimental study [letter] Piepsz A, et al. **J Urol** 1987 Aug;138(2):409

Diuresis renography and simultaneous renal pelvic pressure in hydronephrosis. Poulsen EU, et al. **J Urol** 1987 Aug; 138(2):272–5

Experimental partial ureteric obstruction: pathophysiological changes in upper tract pressures and renal blood flow. Ryan PC, et al. **J Urol** 1987 Sep;138(3):674–8

Disturbed urinary transport in the pelvi-calyceal system in calcium-oxalate stone patients. Schulz E, et al. **Urol Res** 1987;15(2):109–13

[Renal pelvic pressures in urinary chronic obstruction] Li QS, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Dec; 24(12):760–1, 783 (Eng. Abstr.) **(Chi)**

[Pathophysiology of primary renal pelvis outflow stenosis] Hannappel J, et al. **Urologe [A]** 1987 Jul;26(4):170–2 (Eng. Abstr.) **(Ger)**

[Clinico-morphological characteristics of changes in the pelviureteral segment in hydronephrosis] Karpenko VS, et al. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):9–13 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

The coexistence of obstruction at the ureteropelvic and ureterovesical junctions. McGrath MA, et al. **AJR** 1987 Aug;149(2):403–6

A potential pitfall with lesions of the renal pelvis. Pearson RC, et al. **Br J Urol** 1987 Jul;60(1):86–7

Striation of the renal pelvis and ureter in bilharziasis. Hugosson C. **Clin Radiol** 1987 Jul;38(4):407–9

Ureteral and renal pelvic metastases from renal cell carcinoma. Mitty HA, et al. **Urol Radiol** 1987;9(1):16–20

[Imaging of ureteral and pelvic diverticuli. Apropos of 49 cases] Hospitel S, et al. **J Radiol** 1986 Aug–Sep; 67(8–9):565–72 (Eng. Abstr.) **(Fre)**

[Extravasation of contrast medium from kidney calices in overfilling of the urinary bladder] Schmitt WG, et al. **Radiologe** 1987 Feb;27(2):89–92 (Eng. Abstr.) **(Ger)**

[Diagnosis and balloon dilatation of stricture of the ureteropelvic segment] Riabinskii VS, et al. **Urol Nefrol (Mosk)** 1987 Mar–Apr;(2):6–9 (Eng. Abstr.) **(Rus)**

SURGERY

Use of the renal pelvis as exocrine drainage in segmental pancreatic transplantation. A preliminary report. Camprodon R, et al. **Ann Chir Gynaecol** 1986;75(4):215–8

Surgery of pelviureteric obstruction in 101 children over one year of age. Ahmed S, et al. **Aust NZ J Surg** 1986 Sep; 56(9):675–80

Use of urokinase in dispersal of obstructive postoperative thrombus in the renal pelvis. Cooke DA, et al. **J R Coll Surg Edinb** 1986 Jun;31(3):192–3

Posterior lumbotomy in pediatric pyeloplasty. Gonzalez R, et al. **J Urol** 1987 Mar;137(3):468–70

Retroiliac ureter with contralateral transverse malrotation of kidney: treated by crossed ureterocaliceal anastomosis. Gupta NP, et al. **J Urol** 1987 Jul;138(1):118–9

Percutaneous endoscopic fulguration of a large volume caliceal diverticulum. Hulbert JC, et al. **J Urol** 1987 Jul; 138(1):116–7

Vesicocalicostomy as ultimate solution for recurrent urological complications after cadaveric renal transplantation in a patient with poor bladder function. van Son WJ, et al. **J Urol** 1986 Oct;136(4):889–91

Pyeloplasty in children. Aliabadi H, et al. **J Urol (Paris)** 1986; 92(2):97–103 **(Eng, Fre)**

Percutaneous pyeloplasty in children: experience in three patients. Towbin RB, et al. **Radiology** 1987 May; 163(2):381–4

Calyceal puncture for nephrolithotomy using unidimensional x-ray unit. Fourcade RO, et al. **Urology** 1987 Jan;29(1):80–1

[Results of Y–V plasty in genuine hydronephrosis] Mathiesen MM, et al. **Ugeskr Laeger** 1986 Oct 27;148(44):2835–6 (Eng. Abstr.) **(Dan)**

[Late results following pyeloplasty surgery in high-grade hydronephrosis] Hubmer G, et al. **Helv Chir Acta** 1986 Oct;53(3):237–9 (Eng. Abstr.) **(Ger)**

[Diagnostic and therapeutic aspects of antegrade ureteropyelography and percutaneous nephropyelostomy in childhood] Schneider K, et al. **ROFO** 1986 Dec; 145(6):698–705 (Eng. Abstr.) **(Ger)**

[Percutaneous pyeloplasty. Indications, technic, results] Korth K, et al. **Urologe [A]** 1987 Jul;26(4):173–80 (Eng. Abstr.) **(Ger)**

[The efficacy of a tissue adhesive agent (BI 0.022) in urinary tract surgery—application to pyelo- and ureterolithotomy] Kitajima N, et al. **Hinyokika Kiyo** 1986 Jul;32(7):1051–9 (Eng. Abstr.) **(Jpn)**

[2 cases of long-term survival after surgical treatment of papillary carcinoma of the renal pelvis] Switala J, et al. **Wiad Lek** 1987 Jan 15;40(2):117–9 (Eng. Abstr.) **(Pol)**

[Endo-urology in urothelial tumors of the upper urinary tract] Martinez-Piñeiro JA, et al. **Arch Esp Urol** 1986 Sep; 39 Suppl 2:97–107 (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

Ureteropyelostomy with a monofilament absorbable suture. Hughes JD, et al. **Transplantation** 1987 Sep;44(3):459–60

ULTRASTRUCTURE

[Presence of cilia in the rat urothelium. Urologic justification] Barastegui CA, et al. **Arch Esp Urol** 1987 Apr;40(3):139–42 (Eng. Abstr.) **(Spa)**

KIDNEY, POLYCYSTIC

BLOOD

Polycystic kidney and liver disease and corticosterone changes in the cpk mouse. Crocker JF, et al. **Kidney Int** 1987 May;31(5):1088–91

COMPLICATIONS

Renal epithelial hyperplastic and neoplastic proliferation in autosomal dominant polycystic kidney disease. Gregoire JR, et al. **Am J Kidney Dis** 1987 Jan;9(1):27–38

Renal infections in autosomal dominant polycystic kidney disease. Sklar AH, et al. **Am J Kidney Dis** 1987 Aug; 10(2):81–8 (51 ref.)

Renal infection in autosomal dominant polycystic kidney disease. Schwab SJ, et al. **Am J Med** 1987 Apr;82(4):714–8

Hypertension in polycystic kidney disease. Valvo E, et al. **Contrib Nephrol** 1987;54:95–102

Adult polycystic horseshoe kidney. Dobranowski J, et al. **J Can Assoc Radiol** 1986 Sep;37(3):208–9

Cerebro-oculo-hepato-renal syndrome (Arima' syndrome): a distinct clinicopathological entity. Matsuzaka T, et al. **J Child Neurol** 1986 Oct;1(4):338–46

Perinephric hemorrhage in autosomal dominant polycystic kidney disease: CT and MR findings. Levine E, et al. **J Comput Assist Tomogr** 1987 Jan–Feb;11(1):108–11

Orofaciodigital syndrome type I associated with polycystic kidneys and agenesis of the corpus callosum. Connacher AA, et al. **J Med Genet** 1987 Feb;24(2):116–8

Use of epsilon aminocaproic acid in protracted bleeding from polycystic kidneys: a case report. Rao KV. **J Urol** 1986 Oct;136(4):887–8

[Ring chromosome 22 associated with right polycystic kidney and a left junction syndrome] Lassen C, et al. **Ann Pediatr (Paris)** 1987 Jun;34(6):451–2 **(Fre)**

[Polycystic renal disease and bilateral renal cancer] Kalifat R, et al. **Ann Urol (Paris)** 1987;21(1):3–6 (Eng. Abstr.) **(Fre)**

[Septic complications in polycystic kidney degeneration] Riedasch G, et al. **Helv Chir Acta** 1986 Oct;53(3):265–8 (Eng. Abstr.) **(Ger)**

[Coexistent congenital polycystic kidneys and liver] Koźmińska E, et al. **Wiad Lek** 1986 Jul 15;39(14):988–91 (Eng. Abstr.) **(Pol)**

[Pyeloureteral cholesteatoma in the polycystic kidney. Report of a new case] Barros Rodríguez JM, et al. **Arch Esp Urol** 1986 Jul–Aug;39(6):429–32 (Eng. Abstr.) **(Spa)**

[Hepato-renal polycystosis in adults (type III Potter)] Franquet T, et al. **Med Clin (Barc)** 1986 Nov 22; 87(17):730–4 (67 ref.) **(Spa)**

[Hepatorenal polycystosis of the adult associated with achalasia] González Sanz-Agero P, et al. **Rev Esp Enferm Apar Dig** 1986 Dec;70(6):569–70 **(Spa)**

CONGENITAL

[Polycystic renal dysplasia coexistent with extensive congenital hydronephrosis in a newborn infant] Paradysz A, et al. **Wiad Lek** 1986 Sep 1;39(17):1198–200 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Multicystic dysplasia and crossed renal ectopia. Nussbaum AR, et al. **AJR** 1987 Aug;149(2):407–10

Multicystic dysplastic kidneys [letter] Bowen A. **Am J Dis Child** 1987 Jun;141(6):602–3

Cystic hamartomata of lung and kidney: a spectrum of developmental abnormalities. Graham JM Jr, et al. **Am J Med Genet** 1987 May;27(1):45–59

Third trimester ultrasonic presentation of infantile polycystic kidney disease. Argubright KF, et al. **Am J Perinatol** 1987 Jan;4(1):1–4

Multicystic dysplastic kidney: evolving concepts. In utero diagnosis and post-natal follow-up by ultrasound. Avni EF, et al. **Ann Radiol (Paris)** 1986;29(8):663–8

Tuberous sclerosis mimicking adult polycystic kidney disease. Durham DS. **Aust NZ J Med** 1987 Feb;17(1):71–3

A case of adult polycystic and multicystic dysplastic kidney in a child. Gholkar A, et al. **Br J Radiol** 1985 Aug; 58(692):774–6

Multilocular cystic nephroma: report of three cases. Garrett A, et al. **Clin Radiol** 1987 Jan;38(1):55–7

Mid-trimester ultrasonographic diagnosis of early manifesting "adult" form of polycystic kidney disease [letter] Fryns JP, et al. **Hum Genet** 1986 Dec;74(4):461

Diagnosis of autosomal dominant polycystic kidney disease in utero and in the young infant. Pretorius DH, et al. **J Ultrasound Med** 1987 May;6(5):249–55

Attitudes to early diagnosis of polycystic kidney disease [letter] Zerres K, et al. **Lancet** 1986 Dec 13;2(8520):1395

Computerized tomography and ultrasound in the diagnosis of cerebro-hepato-renal syndrome of Zellweger. Weese-Mayer DE, et al. **Pediatr Radiol** 1987;17(2):170–2

Multilocular cyst of kidney. Narasimharao KL, et al. **Postgrad Med J** 1986 Sep;62(731):877–8

Prenatal diagnosis and obstetrical management of multicystic dysplastic kidney disease. Rizzo N, et al. **Prenat Diagn** 1987 Feb;7(2):109–18

Solitary diverticulum or blind branch of a bifid ureter? Presentation of a case with associated multicystic kidney. Cicia S, et al. **Rays** 1986 Sep–Dec;11(3):57–61

Ultrasound diagnosis in hepatorenal polycystic disease in children. Miselli A, et al. **Rays** 1985 May–Aug;10(2):69–72

Cystic renal melanoma: CT/ultrasound correlation. Tipton A, et al. **Urol Radiol** 1987;9(1):39–41

[The current state of diagnosis of polycystic kidneys in adults] Merta M, et al. **Cas Lek Cesk** 1986 Oct 17; 125(41–42):1274–7 (Eng. Abstr.) **(Cze)**

[Polycystic renal dysplasia in children] Audry G, et al. **Ann Urol (Paris)** 1987;21(2):95–7 (Eng. Abstr.) **(Fre)**

[Polycystic kidney and Bourneville's tuberous sclerosis. Apropos of 2 cases] Guyot A, et al. **Pediatrie** 1986 Apr–May;41(3):215–20 (Eng. Abstr.) **(Fre)**

[Multicystic dysplastic kidneys in adults. Symptoms and therapy on the basis of 6 cases] Bürgler W. **Helv Chir Acta** 1986 Oct;53(3):261–4 (Eng. Abstr.) **(Ger)**

[An incidental finding of renal cysts: routine occurrence or a finding deserving clarification?] Lüscher TF, et al. **Schweiz Med Wochenschr** 1987 May 23;117(21):785–94 (60 ref.) (Eng. Abstr.) **(Ger)**

[Diagnosis and therapy of polycystic kidney (letter)] Laczay A. **Orv Hetil** 1987 Feb 15;128(7):386 **(Hun)**

[The use of diagnosis by imaging in a case of Von Hippel-Lindau disease] Lamorgese B. **Radiol Med (Torino)** 1987 May;73(5):451–3 **(Ita)**

[Sporadic form of medullary cystic disease with renal atrophy in a 21-year-old male] Labon M, et al. **Pol Tyg Lek** 1986 Sep 29;41(39):1251–2 **(Pol)**

[Polycystic nephroma: imaging diagnosis and its pathologic correlation. Apropos of a case] Henales Villate V, et al. **An Esp Pediatr** 1987 Jun;26(6):467–9 **(Spa)**

[Infantile polycystic kidney] Barrera M, et al. **Rev Chil Pediatr** 1986 Jan–Feb;57(1):35–8 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Biosynthesis of peroxisomal beta-oxidation enzymes in infants with Zellweger syndrome. Suzuki Y, et al. **J Inherited Metab Dis** 1986;9(3):292–6

ETIOLOGY

Acquired renal cystic disease: two cases of associated adenocarcinoma and a renal ultrasound survey of a peritoneal dialysis population. Smith JW, et al. **Am J Kidney Dis** 1987 Jul;10(1):41–6

Cyst infection in acquired renal cystic disease. Bonal J, et al. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):25

Acquired cystic disease of the kidney: serious or irrelevant? [editorial] Rudge CJ. **Br Med J [Clin Res]** 1986 Nov 8; 293(6556):1186–7

Acquired cystic disease of the kidney: an indication for renal transplantation? Thompson BJ, et al. **Br Med J [Clin Res]** 1986 Nov 8;293(6556):1209–10

Clinical characteristics and diagnostic considerations in acquired renal cystic disease. Narasimhan N, et al. **Kidney Int** 1986 Nov;30(5):748–52

Acquired cystic disease of the kidney in patients with end-stage chronic renal failure: a study of prevalence and aetiology. Thomson BJ, et al. **Nephrol Dial Transplant** 1986; 1(1):38–43

[Acquired cystic renal changes—a clinically relevant problem in long-term dialysis] Brunner W, et al. **Schweiz Med Wochenschr** 1987 May 23;117(21):795–800 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Screening for polycystic kidney disease: importance of clinical presentation in the newborn. Taitz LS, et al. **Arch Dis Child** 1987 Jan;62(1):45–9

A study of genetic linkage heterogeneity in adult polycystic kidney disease. Reeders ST, et al. **Hum Genet** 1987 Aug; 76(4):348–51

Familial orofaciodigital syndrome type I presenting as adult polycystic kidney disease. Donnai D, et al. **J Med Genet** 1987 Feb;24(2):84–7

Cyst formation and growth in autosomal dominant polycystic kidney disease. Grantham JJ, et al. **Kidney Int** 1987 May; 31(5):1145–52

Autosomal dominant polycystic kidney disease in childhood: a longitudinal study. Sedman A, et al. **Kidney Int** 1987 Apr; 31(4):1000–5

A study of genetic linkage heterogeneity in adult polycystic kidney disease. Reeders ST, et al. **Trans Assoc Am Physicians** 1986;99:154–60

[2 new cases of Meckel-Gruber syndrome in the same family] Franzoni R, et al. **Minerva Pediatr** 1986 Sep 30; 38(17–18):783–9 (Eng. Abstr.) **(Ita)**

METABOLISM

Pipecolic acid levels in serum and urine from neonates and normal infants: comparison with values reported in Zellweger syndrome. Govaerts L, et al. **J Inherited Metab Dis** 1985;8(2):87–91

Renal excretion and cyst accumulation of beta 2microglobulin in polycystic kidney disease. Birenboim N, et al. **Kidney Int** 1987 Jan;31(1):85–92

PATHOLOGY

Encephalocele, polycystic kidneys, and polydactyly with other defects. A necropsy case of Meckel syndrome and a review of literature. Ueda N, et al. **Acta Pathol Jpn** 1987 Feb;37(2):323–30

Multicystic renal oncocytoma. Ogden BW, et al. **Arch Pathol Lab Med** 1987 May;111(5):485–6

Adult polycystic liver and kidney diseases are separate entities. Karhunen PJ, et al. **Clin Genet** 1986 Jul;30(1):29–37

A new method for studying human polycystic kidney disease epithelia in culture. Wilson PD, et al. **Kidney Int** 1986 Sep; 30(3):371–8

Nephronophthisis. A primary tubular basement membrane defect. Cohen AH, et al. **Lab Invest** 1986 Nov;55(5):564–72

[Renal cyst rupture in polycystic kidney] Merta M, et al. **Cas Lek Cesk** 1986 Dec 5;125(49):1517–20 (Eng. Abstr.) **(Cze)**

[Case of a multilocular cyst of the kidney in a child] Pesin AL. **Pediatriia** 1987;(3):88–9 **(Rus)**

[Diffuse polyposis of the large intestine with polycystosis of the liver and kidneys] Gusev VI, et al. **Vestn Khir** 1987 Apr;138(4):61–2 **(Rus)**

[Multilocular cyst and renal adenocarcinoma] González Tuero JS, et al. **Arch Esp Urol** 1986 Oct;39(8):557–62 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

[Multicystic renal dysplasia, peculiar developmental aspects: spontaneous remission followed-up by ultrasonography. Apropos of 2 cases] Labrune M, et al. **J Radiol** 1987 Jun-Jul;68(6–7):479–82 (Eng. Abstr.) **(Fre)**

[Hepatorenal polycystic disease in the adult (Potter type III) (letter)] Morales JM, et al. **Med Clin (Barc)** 1987 Jun 20; 89(4):174–5 **(Spa)**

RADIOGRAPHY

Adult multicystic kidney. Frey HL. **Urology** 1987 May; 29(5):566

[The application of renal angiography in the diagnosis of IVP non-visualized kidney] Liu ZJ. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Aug;20(4):210–2 (Eng. Abstr.) **(Chi)**

[The multicystic kidney. Anatomo-radiological study of 19 operative specimens. Practical and pathogenic consequences] Diard F, et al. **J Radiol** 1987 May; 68(5):365–71 (Eng. Abstr.) **(Fre)**

SURGERY

Reduction of cyst volume for symptomatic management of autosomal dominant polycystic kidney disease. Bennett WM, et al. **J Urol** 1987 Apr;137(4):620–2

[Changes in views concerning the management of polycystic kidneys] Frang D, et al. **Orv Hetil** 1986 Nov 16; 127(46):2791–5 (Eng. Abstr.) **(Hun)**

[Renal adenocarcinoma associated with a polycystic kidney (presentation of a case and review of the literature)] Bonacina R, et al. **Chir Ital** 1986 Aug;38(4):406–11 (Eng. Abstr.) **(Ita)**

VETERINARY

Polycystic kidneys in an adult horse. Ramsay G, et al. **Equine Vet J** 1987 May;19(3):243–4

[Cystic kidney in a calf] Tockner F, et al. **Tierarztl Prax** 1986;14(3):333–6 (Eng. Abstr.) **(Ger)**

KIDNEY, SPONGE

COMPLICATIONS

Growth failure associated with medullary sponge kidney, due to incomplete renal tubular acidosis type 1. Sluysmans T, et al. **Eur J Pediatr** 1987 Jan;146(1):78–80

Medull. ry sponge disease in horsesboe kidney. Lambrianides AL, et al. **Urology** 1987 Apr;29(4):426–7

PATHOLOGY

[Medullary sponge kidney. Description of a pediatric case] Pavanello L, et al. **Pediatr Med Chir** 1986 May-Jun; 8(3):349–52 (Eng. Abstr.) **(Ita)**

KIDNEY TUBULAR NECROSIS, ACUTE see under **KIDNEY FAILURE, ACUTE**

KIDNEY TUBULAR TRANSPORT, INBORN ERRORS see **RENAL TUBULAR TRANSPORT, INBORN ERRORS**

KIDNEY TUBULES

Substrates induce hypoxic injury to medullary thick limbs of isolated rat kidneys. Brezis M, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):F710–7

Sonography of wall thickening of the renal collecting system. A nonspecific finding. Babcock DS. **J Ultrasound Med** 1987 Jan;6(1):29–32

ABNORMALITIES

Isolated congenital renal tubular immaturity in siblings. Schwartz BR, et al. **Hum Pathol** 1986 Dec;17(12):1259–63

Nephronophthisis. A primary tubular basement membrane defect. Cohen AH, et al. **Lab Invest** 1986 Nov;55(5):564–72

ANALYSIS

In vivo measurement of tubular fluid ferrocyanide with carbon-fiber microelectrodes. Moore LC, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1158–66

ANATOMY & HISTOLOGY

Thick ascending limb—anatomy and function: role in urine concentrating mechanisms. Bankir L, et al. **Adv Nephrol** 1987;16:69–102 (132 ref.)

[The kidney collecting system in man: systematization and morphometry based on 100 polyester resin casts] Sampaio FJ, et al. **Bull Assoc Anat (Nancy)** 1985 Dec; 69(207):297–304 (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

High energy phosphates, phospholipids, and calcium in ischemic renal tubular cell injury. Humes HD, et al. **Adv Exp Med Biol** 1986;208:3–7 (32 ref.)

Functional characteristics of peritubular capillary membrane in rat kidney. Larson M, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F180–7

Postglomerular capillary solute flux restricted by shape and charge in the dog. Whiteside C, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F500–12

The anionic sites at luminal surface of peritubular capillaries in rats. Koshy V, et al. **Kidney Int** 1987 Jan;31(1):52–8

[Clinical significance of antibodies reacting with the endothelium of peritubular capillaries in patients with chronic renal failure and after allotransplantation of a cadaveric kidney] Shabanova LN. **Urol Nefrol (Mosk)** 1987 May-Jun;(3):22–5 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Three distinct cell populations in rat kidney collecting duct. Holthöfer H, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):C323–8

Purification of rat papillary collecting duct cells: functional and metabolic assessment. Stokes JB, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F251–62

Electron-probe analysis of cultured cells. Lechene C. **Ann NY Acad Sci** 1986;483:270–83

Differentiation properties of renal collecting duct cells in culture. Minuth WW, et al. **Differentiation** 1986; 33(2):156–67

In vitro growth and differentiation of human kidney tubular cells on a basement membrane substrate. Yang AH, et al. **In Vitro Cell Dev Biol** 1987 Jan;23(1):34–46

Calcium oxalate crystal interaction with rat renal inner papillary collecting tubule cells. Wiessner JH, et al. **J Urol** 1987 Sep;138(3):640–3

Intercalated cells of the rat inner medullary collecting duct. Clapp WL, et al. **Kidney Int** 1987 May;31(5):1080–7

Methods for imaging renal tubule cells. Strange K, et al. **Kidney Int** 1986 Aug;30(2):192–200

Continuous measurements of cell volume changes in single kidney tubules. Whittembury G, et al. **Kidney Int** 1986 Aug; 30(2):187–91 (17 ref.)

Immunocytochemical characterization of carbonic anhydrase-rich cells in the rat kidney collecting duct. Holthöfer H, et al. **Lab Invest** 1987 Aug;57(2):150–6

Electrophysiological identification of principal and intercalated cells in the rabbit outer medullary collecting duct. Koeppen BM. **Pflugers Arch** 1987 Jun; 409(1–2):138–41

Monoclonal antibodies with exclusive reactivity against parathyroid cells and tubule cells of the kidney. Juhlin C, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2990–4

Absence of significant cellular dilution during ADH-stimulated water reabsorption. Strange K, et al. **Science** 1987 Feb 27;235(4792):1068–70

Compensatory cell proliferation in the kidney after unilateral nephrectomy in mice. Skraastad O. **Virchows Arch [B]** 1987; 53(2):97–101

Kidney extract reversibly inhibits compensatory cell proliferation after unilateral nephrectomy. Skraastad O. **Virchows Arch [B]** 1987;53(2):102–6

DRUG EFFECTS

Lack of effect of non-steroid antiinflammatory drugs on lithium clearance and on delivery of tubular fluid to the loop of Henle in rats. Lassen E, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Nov;59(5):377–81

Tubular lesions secondary to conventional urography: a study on renal biopsies by light microscopy. Stanziale P, et al. **Adv Exp Med Biol** 1987;212:151–4

Cancer chemotherapy-induced tubular nephrotoxicity evaluated by immunochemical determination of urinary adenosine deaminase binding protein. Goren MP, et al. **Am J Clin Pathol** 1986 Dec;86(6):780–3

Identification of fragments of proximal and distal tubular cells in the urine of patients under cytostatic treatment by immunoelectron microscopy with monoclonal antibodies. Falkenberg FW, et al. **Am J Kidney Dis** 1987 Feb; 9(2):129–37

The role of cell calcium overload in nephrotoxic renal tubular cell injury. Weinberg JM. **Am J Kidney Dis** 1986 Nov; 8(5):284–91

Mechanism of Escherichia coli alpha-hemolysin-induced injury to isolated renal tubular cells. Keane WF, et al. **Am J Pathol** 1987 Feb;126(2):350–7

Mechanisms of lithium-vasopressin interaction in rabbit cortical collecting tubule. Cogan E, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1080–7

Effects of 12-HETE on renal tubular epithelial cells. Gordon JA, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):C277–85

Atrial natriuretic factor inhibits maximal tubuloglomerular feedback response. Huang CL, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F825–8

Response of collecting tubule cells to aldosterone and potassium loading. Kashgarian M, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F8–14

Cellular action of arginine vasopressin in the isolated renal tubules of hypothyroid rats. Kim JK, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F104–10

Quinidine effect on hydrosmotic response of collecting tubules to vasopressin and cAMP. Lorenzen M, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1103–11

Thick ascending limb response to dDAVP and atrial natriuretic factor in vivo. Peterson LN, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F374–81

cGMP mediates effects of atrial peptides on medullary collecting duct cells. Zeidel ML, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F551–9

Net sodium and water movements in the newborn rabbit collecting tubule: lack of modifications by indomethacin. Reyes JL, et al. **Biol Neonate** 1987;51(4):212–6

The influence of dietary potassium on the renal tubular effect of hydrochlorothiazide in the rat. Shirley DG, et al. **Br J Pharmacol** 1987 Jul;91(3):693–9

Enhancement of methotrexate nephrotoxicity after cisplatin therapy. Goren MP, et al. **Cancer** 1986 Dec 15; 58(12):2617–21

Cumulative renal tubular damage associated with cisplatin nephrotoxicity. Goren MP, et al. **Cancer Chemother Pharmacol** 1986;18(1):69–73

Carboplatin (CBDCA), iproplatin (CHIP), and high dose cisplatin in hypertonic saline evaluated for tubular nephrotoxicity. Goren MP, et al. **Cancer Chemother Pharmacol** 1987;19(1):57–60

Potentiation of ifosfamide neurotoxicity, hematotoxicity, and tubular nephrotoxicity by prior cis-diamminedichloroplatinum(II) therapy. Goren MP, et al. **Cancer Res** 1987 Mar 1;47(5):1457–60

Ifosfamide-induced subclinical tubular nephrotoxicity despite mesna. Goren MP, et al. **Cancer Treat Rep** 1987 Feb; 71(2):127–30

Two automated procedures for N-acetyl-beta-D-glucosaminidase determination evaluated for detection of drug-induced tubular nephrotoxicity. Goren MP, et al. **Clin Chem** 1986 Nov; 32(11):2052–5

Acute and subacute hemodynamic and tubular effect of cisplatin in dogs. Daugaard G, et al. **Contrib Nephrol** 1987; 56:7–11

Clinicopathological study on antibiotics induced nephropathies. Joh K, et al. **Dev Toxicol Environ Sci** 1986; 14:21–6

Diuretic mechanisms as a guide to therapy. Thier SO. **Hosp Pract [Off]** 1987 Jun 15;22(6):81–100

Renal tubular effect of nisoldipine, a calcium channel blocker, in rats. Kauker ML, et al. **J Cardiovasc Pharmacol** 1987; 9 Suppl 1:S32–8

Phorbol myristate acetate, dioctanoylglycerol, and phosphatidic acid inhibit the hydroosmotic effect of vasopressin on rabbit cortical collecting tubule. Ando Y, et al. **J Clin Invest** 1987 Aug;80(2):590–3

Role of potassium in vasopressin-induced production of cyclic AMP in rat renal papillary collecting tubule cells in culture. Ishikawa S, et al. **J Endocrinol** 1987 May; 113(2):199–204

Persistent tubular resistance to aldosterone in infants with congenital hydronephrosis corrected neonatally. Marra G, et al. **J Pediatr** 1987 Jun;110(6):868–72

Dose dependence of proximal and distal tubular effects of furosemide in conscious rats. Christensen S, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):987–93

Tubulo-interstitial lesions mediate renal damage in adriamycin glomerulopathy. Bertani T, et al. **Kidney Int** 1986 Oct;30(4):488–96

Effects of (CO_2 + HCO_3-) on electrical conductance in cortical thick ascending limbs. Friedman PA, et al. **Kidney Int** 1986 Sep;30(3):325–31

Effects of antidiuretic hormone on the collecting duct. Hays RM, et al. **Kidney Int** 1987 Feb;31(2):530–7 (37 ref.)

Effects of amiloride in the medullary collecting duct of rat kidney. Sonnenberg H, et al. **Kidney Int** 1987 May; 31(5):1121–5

Effects of chlorpropamide on loop of Henle function and plasma renin. Welch WJ, et al. **Kidney Int** 1986 Nov; 30(5):712–6

The tubular effects of angiotensin II. Navar LG, et al. **Kidney Int [Suppl]** 1987 May;20:S81–8 (50 ref.)

Studies on the tubular effects of atrial extract and of atriopeptin III in conscious rats. Kramer HJ, et al. **Klin Wochenschr** 1986;64 Suppl 6:31–6

Fosfomycin protects against tubulotoxicity induced by cis-diaminedichloroplatin and cyclosporin A in the rat. Sack K, et al. **Klin Wochenschr** 1987 Jun 1;65(11):525–7

Effect of norepinephrine on renal tubular Na–K–ATPase and oxygen consumption. Jacobs WR, et al. **Life Sci** 1987 Apr 20;40(16):1571–8

Demonstration of a direct effect of atrial natriuretic factor on epithelium: study in cultured pig kidney cells. Goligorsky MS, et al. **Miner Electrolyte Metab** 1987; 13(1):51–6

High Ca2+ inhibits peptide hormone-dependent cAMP production specifically in thick ascending limbs of Henle. Takaichi K, et al. **Miner Electrolyte Metab** 1986; 12(5–6):342–6

Tubular nephrotoxicity after intravenous urography with ionic high-osmolal and nonionic low-osmolal contrast media in patients with chronic renal insufficiency. Cavaliere G, et al. **Nephron** 1987;46(2):128–33

Effects of potassium bicarbonate on distal nephron Na–K–ATPase in adrenalectomized rabbits. Garg LC, et al. **Pflugers Arch** 1987 Jun;409(1–2):126–31

Effect of glutaraldehyde on renal tubular function. II. Selective inhibition of Cl– transport in the hamster thin ascending limb of Henle's loop. Kondo Y, et al. **Pflugers Arch** 1987 May;408(5):484–90

Electrophysiological studies in principal cells of rat cortical collecting tubules. ADH increases the apical membrane Na+–conductance. Schlatter E, et al. **Pflugers Arch** 1987 Jun;409(1–2):81–92

Cl(–)-channel blockers in the thick ascending limb of the loop of Henle. Structure activity relationship. Wangemann P, et al. **Pflugers Arch** 1986;407 Suppl 2:S128–41

Torasemide inhibits NaCl reabsorption in the thick ascending limb of the loop of Henle. Wittner M, et al. **Pflugers Arch** 1986 Dec;407(6):611–4

Analogues of torasemide—structure function relationships—experiments in the thick ascending limb of the loop of Henle of rabbit nephron. Wittner M, et al. **Pflugers Arch** 1987 Jan;408(1):54–62

Effect of vasoactive intestinal polypeptide on the cyclic adenosine monophosphate generating system in rat kidney glomeruli and cortical tubules. Amenta F, et al. **Regul Pept** 1987 May;17(5):295–9

Acute effect of cisplatin on renal hemodynamics and tubular function in dog kidneys. Daugaard G, et al. **Renal Physiol** 1986;9(5):308–16

The renal biopsy in drug-induced nephropathies. Jao W, et al. **Semin Nephrol** 1985 Dec;5(4):264–73

Urinary trehalase activity and renal brush-border damage in inhabitants of a cadmium-polluted area (Jinzu River basin). Nakano M, et al. **Toxicol Lett** 1986 Dec; 34(2–3):159–66

Changes in urinary and renal tubular enzymes caused by subchronic administration of ochratoxin A in rats. Kane A, et al. **Toxicology** 1986 Dec 15;42(2–3):233–43

Renal damage induced by cadmium-metallothionein: effects on biochemical indicators. Sugihira N, et al. **Toxicology** 1987 Apr;44(1):1–11

Atrial peptides inhibit Na+ entry-dependent oxygen consumption in rabbit inner medullary collecting duct cells. Zeidel ML, et al. **Trans Assoc Am Physicians** 1986; 99:258–65

Morphological alterations in distal and collecting tubules of the rat renal cortex after aminoglycoside administration at low doses. Toubeau G, et al. **Virchows Arch [B]** 1986; 51(6):475–85

[Electron microscopic and radioautographic study of DNA synthesis in kidney tubule epithelial cells in white rats with sublimate-induced necronephrosis] Andreev VP, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):241–4 (Eng. Abstr.) **(Rus)**

[Induction of the monooxygenase system and the transport of xenobiotics in the kidney] Berkhin EB, et al. **Fiziol Zh SSSR** 1987 May;73(5):685–8 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Regulation of renal Na–K–ATPase: effects of aldosterone in phosphate depletion. Mujais SK. **Adv Exp Med Biol** 1986; 208:485–92

Enolase isozymes in renal tubules and renal cell carcinoma. Haimoto H, et al. **Am J Pathol** 1986 Sep;124(3):488–95

Na+–K+–ATPase activity in medullary thick ascending limb during short-term anoxia. Chamberlin ME, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F838–43

In vitro stimulation of Na–K–ATPase in rat thick ascending limb by dexamethasone. Doucet A, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F851–7

The kidney in potassium depletion. I. Na+–K+–ATPase activity and [3H]ouabain binding in MCT. Hayashi M, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F437–46

Anchoring and biosynthesis of stalked brush border membrane proteins: glycosidases and peptidases of enterocytes and renal tubuli. Semenza G. **Annu Rev Cell Biol** 1986;2:255–313 (334 ref.)

Stimulation of adenylate cyclase activity via A2-adenosine receptors in isolated tubules of the rabbit renal cortex. Freissmuth M, et al. **Eur J Pharmacol** 1987 Jun 12; 138(1):137–40

Triiodothyronine enhances renal response to aldosterone in the rabbit collecting tubule. Barlet C, et al. **J Clin Invest** 1987 Feb;79(2):629–31

Quantitative assessment of Na+,K+–ATPase localization by direct and indirect p-nitrophenyl phosphatase methods. Firth JA. **J Histochem Cytochem** 1987 Apr;35(4):507–13

Effects of aldosterone on rat collecting tubule N-ethylmaleimide-sensitive adenosine triphosphatase. Mujais SK. **J Lab Clin Med** 1987 Jan;109(1):34–9

Expression of the alpha-subunit of Na/K–ATPase in renal collecting duct epithelium during development. Minuth WW, et al. **Kidney Int** 1987 May;31(5):1104–12

Effects of prolactin on Na–K–ATPase activity along the rat nephron. Bussieres L, et al. **Pflugers Arch** 1987 Jun; 409(1–2):182–7

Mechanism of increased tubular Na–K–ATPase during streptozotocin-induced diabetes. Khadouri C, et al. **Pflugers Arch** 1987 Jul;409(3):296–301

[Renal tubular enzymes] **Nippon Jinzo Gakkai Shi** 1986 Jul; 28(7):970–82 **(Jpn)**

GROWTH & DEVELOPMENT

The synthesis of glucose and ammonia by kidney tubules isolated from suckling and early-weaned lambs. Watford M, et al. **Comp Biochem Physiol [B]** 1987;86(4):689–91

IMMUNOLOGY

Renal tubular immune complex formation in mice immunized with Tamm–Horsfall protein. Fasth A, et al. **Am J Pathol** 1986 Dec;125(3):555–62

Immunological segmentation of the rabbit distal, connecting, and collecting tubules. Poujeol P, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F412–22

Isolation and characterization of rat nephritogenic and non nephritogenic brush border antigens. Kawai H, et al. **Clin Exp Immunol** 1986 Nov;66(2):414–22

Suppressor system in murine interstitial nephritis. Analysis of tubular basement membrane (TBM)-specific suppressor T cells and their soluble factor in C57BL/6 mice using a syngeneic system. Ueda S, et al. **Clin Immunol Immunopathol** 1987 Oct;45(1):78–91

A post-embedding avidin-biotin peroxidase system to demonstrate the light and electron microscopic localization of lectin binding sites in rat kidney tubules. Jones CJ, et al. **Histochem J** 1986 Jul;18(7):371–9

Identification of a target antigen in human anti-tubular basement membrane nephritis. Fliger FD, et al. **Kidney Int** 1987 Mar;31(3):800–7

Gouty kidney associated with membranous nephropathy: participation of renal tubular epithelial antigen. Yokoyama H, et al. **Nephron** 1986;44(4):361–4

The effects of a stable analogue of PGE1 on the IgG subclass response to particulate bovine tubular basement membrane in the brown–Norway rat. Ulich TR, et al. **Proc Soc Exp Biol Med** 1987 Sep;185(4):441–7

Expression of HLA antigens on renal tubular cells in culture. I. Evidence that mixed lymphocyte culture supernatants and gamma interferon increase both class I and class II HLA antigens. Bishop GA, et al. **Transplantation** 1986 Dec; 42(6):671–9

Precise specificity of induced tubular HLA-class II antigens in renal allografts. Fuggle SV, et al. **Transplantation** 1987 Aug;44(2):214–20

Expression of HLA-DR antigens on peripheral blood T lymphocytes and renal graft tubular epithelial cells in association with rejection. Henny FC, et al. **Transplantation** 1986 Nov;42(5):479–83

[Enzyme immunoassay of anti-renal basement membrane antibodies] Yoshioka K, et al. **Nippon Jinzo Gakkai Shi** 1986 Oct;28(10):1321–8 (Eng. Abstr.) **(Jpn)**

METABOLISM

Epidermal growth factor is expressed by cells in the distal tubules during postnephrectomy renal growth. Jennische E, et al. **Acta Physiol Scand** 1987 Mar;129(3):449–50

Mechanisms of calcium transport in the thick ascending limb of the loop of Henle. Agus ZS, et al. **Adv Exp Med Biol** 1986;208:171–5 (17 ref.)

Calcium transport in the distal convoluted tubule. Costanzo LS. **Adv Exp Med Biol** 1986;208:177–82 (14 ref.)

Renal magnesium wasting disorders. Dirks JH, et al. **Adv Exp Med Biol** 1986;208:193–7 (16 ref.)

Renal membrane transport of calcium. Tsukamoto Y, et al. **Adv Exp Med Biol** 1986;208:183–6 (18 ref.)

Multiple hormonal control of the thick ascending limb functions. Amiel C, et al. **Adv Nephrol** 1987;16:125–36 (57 ref.)

Pharmacology of loop diuretics: state of the art. Imbs JL, et al. **Adv Nephrol** 1987;16:137–58 (62 ref.)

Hypouricemia in liver cell carcinoma: an isolated renal tubular defect [letter] Magoula I, et al. **Am J Med** 1987 Jul;83(1):196–7

Renal handling of phosphate in patients with primary and secondary hypertension. Maschio G, et al. **Am J Nephrol** 1986;6 Suppl 1:128–30

Does defective chloride reabsorption at the loop of Henle play a major role in the pathogenesis of Bartter's syndrome? Milani L, et al. **Am J Nephrol** 1987;7(1):65–8

Substrate support of medullary thick ascending limb oxygen consumption. Chamberlin ME, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):F758–63

Characterization of K–ATPase activity in distal nephron: stimulation by potassium depletion. Doucet A, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F418–23

Thiazide-sensitive sodium chloride cotransport in early distal tubule. Ellison DH, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F546–54

Ca-activated K channels in apical membrane of mammalian CCT, and their role in K secretion. Frindt G, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F458–67

Improved separation method for rat proximal and distal renal tubules. Gesek FA, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F358–65

The kidney in potassium depletion. II. K+ handling by the isolated perfused rat kidney. Hayashi M, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F447–52

Regulation of single potassium ion channels from apical membrane of rabbit collecting tubule. Hunter M, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):F725–33

Alterations of enzymatic activities along rat collecting tubule in potassium depletion. Imbert-Teboul M, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F408–17

Total CO2 absorption in the distal tubule of the rat. Kunau RT Jr, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F468–73

Ca and P regulation of 1,25(OH)2D3 synthesis by vitamin D–replete rat tubules during acidosis. Langman CB, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F911–8

Total CO2 flux in isolated collecting tubules during carbonic anhydrase inhibition. Laski ME. **Am J Physiol** 1987 Feb; 252(2 Pt 2):F322–30

Effect of potassium depletion and protein intake in vivo on renal tubular bicarbonate transport in vitro. McKinney TD, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F509–16

ADH increases apical Na+, K+, 2Cl– entry in mouse medullary thick ascending limbs of Henle. Molony DA, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F177–87

Effects of calcitonin on cytosolic Ca in a suspension of rabbit medullary thick ascending limb tubules. Murphy E, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):C491–5

Nitrogen sources for renal ammoniagenesis: study with 15N amino acid. Nissim I, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):F995–1002

Effects of cell Ca and pH on Na channels from rat cortical collecting tubule. Palmer LG, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F333–9

Enhanced cAMP response to vasopressin in the CCT of DOCA–Na hypertensive rats. Pettinger WA, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):F1096–100

Sulfate transport by chick renal tubule brush-border and basolateral membranes. Renfro JL, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):R85–93

Prevention of alpha 2-adrenergic inhibition on ADH action by pertussis toxin in rabbit CCT. Ribeiro CP, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):C105–12

Effects of mineralocorticoids on transport properties of cortical collecting duct basolateral membrane. Sansom SC, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):F743–57

Potassium transport in cortical collecting tubules from mineralocorticoid-treated rat. Schafer JA, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F76–88

Chloride transport by the cortical and outer medullary collecting duct. Schuster VL, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F203–12 (54 ref.)

Renal folate absorption and the kidney folate binding protein. II. Microinfusion studies. Selhub J, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F757–60

Renal folate absorption and the kidney folate binding protein. I. Urinary clearance studies. Selhub J, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F750–6

Effect of vasopressin analogue (dDAVP) on potassium transport in medullary collecting duct. Sonnenberg H, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F986–91

Electroneutral H+ secretion in distal tubule of Amphiuma. Stanton B, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F691–9

Luminal disequilibrium pH and ammonia transport in outer medullary collecting duct [corrected and issued with original paging in Am J Physiol 1987 Aug;253(2 Pt 2)] Star RA, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1148–57

K transport in upper portion of descending limbs of long-loop nephron from hamster. Tabei K, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F387–92

Effects of inhibitors of Cl conductance on Cl self-exchange in rabbit cortical collecting tubule. Tago K, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):F1009–17

Profiles of water and solute transport along long-loop descending limb: analysis by mathematical model. Taniguchi J, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F393–402

Chloride-dependent potassium secretion in early and late renal distal tubules. Velázquez H, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F555–62

Bicarbonate transport by initial collecting tubule of aquatic- and land-phase amphibia. Yucha CB, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F310–7

Sulphate/molybdate interactions: in vivo and in vitro studies on the group VI oxyanion transport system in ovine renal tubule epithelial cells. Ryan J, et al. **Ann Rech Vet** 1987; 18(1):47–55

Filterable plasma concentration, glomerular filtration, tubular balance, and renal clearance of heavy metals and organic substances in metal workers. Araki S, et al.

Arch Environ Health 1986 Jul-Aug;41(4):216-21
Volume expansion-induced changes in renal tubular membrane protein phosphorylation. Chen TC, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):74-80
Bradykinin-stimulated changes in inositol phosphate mass in renal papillary collecting tubule cells. Shayman JA, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1119-25
Use of dialysis fibers for the study of aerobic cells. Boulanger Y, et al. **Biochem Cell Biol** 1986 Sep;64(9):869-79
Metabolic fate of glutamate carbon in rat renal tubules. Studies with 13C nuclear magnetic resonance and gas chromatography-mass spectrometry. Nissim I, et al. **Biochem J** 1987 Jan 15;241(2):361-70
Effects of succinylacetone on amino acid uptake in the rat kidney. Spencer PD, et al. **Biochem Med Metab Biol** 1987 Feb;37(1):101-9
Characteristics of lysine transport by isolated rat renal cortical tubule fragments. Bowring MA, et al. **Biochim Biophys Acta** 1987 Jul 10;901(1):23-9
Characteristics of lysine uptake by isolated renal cortical tubule fragments from mature and immature dogs. Foreman JW, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):127-33
Vasopressin does not hydrolyze polyphosphoinositides in rabbit papillary collecting tubule cells. Portilla D, et al. **Biochim Biophys Acta** 1987 May 18;928(3):305-11
Luminal and peritubular steps in renal transport of p-aminohippurate. Pritchard JB. **Biochim Biophys Acta** 1987 Jun 24;906(2):295-308 (133 ref.)
Increase of 14C-leucine uptake following stimulation of renal tubular transport processes. Ortweiler W, et al. **Biomed Biochim Acta** 1987;46(4):271-6
Ion transport mechanisms in renal tubular cell membranes. Frömter E. **Boll Soc Ital Biol Sper** 1987 Jan 31;63(1):2-17 (29 ref.)
Reduction of metformin renal tubular secretion by cimetidine in man. Somogyi A, et al. **Br J Clin Pharmacol** 1987 May; 23(5):545-51
Effect of adrenalectomy on distal tubule water permeability of the Brattleboro rat. Hirsch DJ, et al. **Can J Physiol Pharmacol** 1986 Sep;64(9):1170-6
Tubular maximum for calcium reabsorption: lack of diagnostic usefulness in primary hyperparathyroidism and familial hypocalciuric hypercalcaemia. Kent GN, et al. **Clin Chim Acta** 1987 Jul 15;166(2-3):155-61
Complete absence of tubular glucose reabsorption: a new type of renal glucosuria (type 0). Oemar BS, et al. **Clin Nephrol** 1987 Mar;27(3):156-60
Renal tubular reabsorption of chloride in Bartter's syndrome and other conditions with hypokalemia. Rodriguez Portales JA, et al. **Clin Nephrol** 1986 Dec;26(6):269-72
Stereoselective renal tubular secretion of quinidine and quinine. Notterman DA, et al. **Clin Pharmacol Ther** 1986 Nov;40(5):511-7
Urate and p-aminohippurate transport in isolated kidney tubules of normal and hyperuricemic chickens. Kuo SM, et al. **Comp Biochem Physiol [A]** 1987;86(4):713-21
The synthesis of glucose and ammonia by kidney tubules isolated from suckling and early-weaned lambs. Watford M, et al. **Comp Biochem Physiol [B]** 1987;86(4):689-91
Molecular size distribution of immunoreactive trypsin and renal tubular dysfunction: role in trypsin plasma-urine transfer. Fabris C, et al. **Enzyme** 1987;37(4):174-81
Anion exchanger is present in both luminal and basolateral renal membranes. Talor Z, et al. **Eur J Biochem** 1987 May 4;164(3):695-702
Metabolism of acetaldehyde in human and baboon renal cortex. Ethanol synthesis by isolated baboon kidney-cortex tubules. Michoudet C, et al. **FEBS Lett** 1987 May 25; 216(1):113-7
Papillary collecting tubule responsiveness to atrial natriuretic factor in Dahl rats. Appel RG, et al. **Hypertension** 1987 Jul;10(1):107-14
Renal handling of uric acid in normal children by means of the pyrazinamide and sulfinpyrazone tests. Sanchez Bayle M, et al. **Int J Pediatr Nephrol** 1987 Jan-Mar;8(1):5-8
In-vitro uptake of gentamicin and tobramycin by rat renal tubules in the presence or absence of Escherichia coli endotoxin. Bergeron MG, et al. **J Antimicrob Chemother** 1986 Sep;18(3):375-80
Prostaglandin E2 synthesis in the inner medullary collecting duct of the rat: implications for vasopressin-dependent cyclic AMP formation. Jackson BA. **J Cell Physiol** 1986 Oct;129(1):60-4
Gas chromatographic method for the measurement of sodium valproate utilization by kidney tubules. Durozard D, et al. **J Chromatogr** 1987 Mar 6;414(2):460-4
A1 and A2 adenosine receptors in rabbit cortical collecting tubule cells. Modulation of hormone-stimulated cAMP. Arend LJ, et al. **J Clin Invest** 1987 Mar;79(3):710-4
Effects of antidiuretic hormone on urinary acidification and on tubular handling of bicarbonate in the rat. Bichara M, et al. **J Clin Invest** 1987 Sep;80(3):621-30
Renal bicarbonate reabsorption in the rat. II. Distal tubule load dependence and effect of hypokalemia. Capasso G, et al. **J Clin Invest** 1987 Aug;80(2):409-14
Renal bicarbonate reabsorption in the rat. I. Effects of hypokalemia and carbonic anhydrase. Capasso G, et al. **J Clin Invest** 1986 Dec;78(6):1558-67
Stimulation of inositol trisphosphate and diacylglycerol production in renal tubular cells by parathyroid hormone. Hruska KA, et al. **J Clin Invest** 1987 Jan;79(1):230-9
Distal tubule bicarbonate accumulation in vivo. Effect of flow and transtubular bicarbonate gradients. Iacovitti M, et al. **J Clin Invest** 1986 Dec;78(6):1658-65
Effects of atrial natriuretic factor on cyclic guanosine monophosphate and cyclic adenosine monophosphate accumulation in microdissected nephron segments from rats. Nonoguchi H, et al. **J Clin Invest** 1987 Feb;79(2):500-7
Urea permeability of mammalian inner medullary collecting duct system and papillary surface epithelium. Sands JM, et al. **J Clin Invest** 1987 Jan;79(1):138-47
Cyclic adenosine monophosphate-stimulated anion transport in rabbit cortical collecting duct. Kinetics, stoichiometry, and conductive pathways. Schuster VL. **J Clin Invest** 1986 Dec;78(6):1621-30
Regulation by adrenal corticosteroids of sodium and potassium transport in loop of Henle and distal tubule of rat kidney. Stanton BA. **J Clin Invest** 1986 Dec; 78(6):1612-20
Effect of acidosis on chloride transport in the cortical thick ascending limb of Henle perfused in vitro. Wingo CS. **J Clin Invest** 1986 Nov;78(5):1324-30
Cytochrome P450-dependent arachidonate metabolism in renomedullary cells: formation of Na+K+-ATPase inhibitor. Carroll MA, et al. **J Hypertens [Suppl]** 1986 Oct; 4(4):S33-42 (48 ref.)
Ammonium transport in medullary thick ascending limb of rabbit kidney: involvement of the Na+,K+,Cl(-)-cotransporter. Kinne R, et al. **J Membr Biol** 1986;94(3):279-84
Cell membrane water permeability of rabbit cortical collecting duct. Strange K, et al. **J Membr Biol** 1987; 96(1):27-43
Bicarbonate-dependent solute transport in kidney tubules. Hartmann A. **J Oslo City Hosp** 1987 Jun;37(6):57-68 (47 ref.)
Parathyroid hormone-stimulated calcium absorption in cTAL from vitamin D-deficient rabbits. Bourdeau JE, et al. **Kidney Int** 1987 Apr;31(4):913-7
Generation of pH gradient across the rabbit collecting duct segments perfused in vitro. Ishibashi K, et al. **Kidney Int** 1987 Apr;31(4):930-6
Robert F. Pitts memorial lecture. H+ secretion in renal cortical tubules: kinetic aspects. Malnic G. **Kidney Int** 1987 Jul;32(1):136-50 (108 ref.)
Evidence for a stimulatory effect of high potassium diet on renal kallikrein. Vio CP, et al. **Kidney Int** 1987 Jun; 31(6):1327-34
Acceleration of p-aminohippurate excretion in immature rats by dexamethasone treatment. Bräunlich H, et al. **Med Biol** 1986;64(5):267-70
Renal handling of uric acid in gout: impaired tubular transport of urate not dependent on serum urate levels. Garcia Puig J, et al. **Metabolism** 1986 Dec;35(12):1147-53
Effect of lithium on the metabolic response to parathyroid hormone. Lazarus JH, et al. **Miner Electrolyte Metab** 1987; 13(1):63-6
Renal basolateral membrane Na-Ca exchange is electrogenic. Talor Z, et al. **Miner Electrolyte Metab** 1987;13(3):183-8
Na-Ca exchange in renal tubular basolateral membranes. Talor Z, et al. **Miner Electrolyte Metab** 1986;12(4):239-45
Control of prostaglandin E2 synthesis in cultured rat inner medullary collecting tubule cells: the role of calcium. Teitelbaum I, et al. **Miner Electrolyte Metab** 1986; 12(5-6):308-13
Development of a test to evaluate the transtubular potassium concentration gradient in the cortical collecting duct in vivo. West ML, et al. **Miner Electrolyte Metab** 1986; 12(4):226-33
Sodium reabsorption by the Henle loop in humans. Bartoli E, et al. **Nephron** 1987;46(3):288-300
Competition between low- and high-molecular-weight proteins for renal tubular uptake. Bernard A, et al. **Nephron** 1987;45(2):115-8
Evaluation of the renal mechanisms for urate homeostasis in uremic patients by probenecid and pyrazinamide test. Garyfallos A, et al. **Nephron** 1987;46(3):273-80
Atrial natriuretic peptide receptors along the rat and rabbit nephrons: [125I] alpha-rat atrial natriuretic peptide binding in microdissected glomeruli and tubules. Butlen D, et al. **Pflugers Arch** 1987 Apr;408(4):356-65
Coupling of metabolic CO2 production to ion transport in isolated rat thick ascending limbs and collecting tubules. Hua-Citharel A, et al. **Pflugers Arch** 1986 Oct;407(4):421-7
Effects of glutaraldehyde fixation on renal tubular function. I. Preservation of vasopressin-stimulated water and urea pathways in rat papillary collecting duct. Kondo Y, et al. **Pflugers Arch** 1987 May;408(5):479-83
Chloride transport in the diluting segment of the K+ adapted frog kidney: effect of amiloride and acidosis. Münich G, et al. **Pflugers Arch** 1986;407 Suppl 2:S60-5
Dibutyryl cyclic AMP inhibits transport dependent QO2 in cells isolated from the rabbit medullary ascending limb. Silva P, et al. **Pflugers Arch** 1987 Jun;409(1-2):74-80
Evidence for Na+ dependent rheogenic HCO3- transport in fused cells of frog distal tubules. Wang W, et al. **Pflugers Arch** 1987 Mar;408(3):291-9
Purification and subunit structure of the [3H]phenamil receptor associated with the renal apical Na+ channel. Barbry P, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(14):4836-40
Cell specificity of vasopressin binding in renal collecting duct: computer-enhanced imaging of a fluorescent hormone analog. Kirk KL, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):6000-4
[Renal aspects of the pathogenesis of hyperuricemia] Deetjen P. **Verh Dtsch Ges Inn Med** 1986;92:461-5 **(Ger)**
[Cellular mechanisms of electrolyte transport across renal tubule] Fujimoto M. **Nippon Jinzo Gakkai Shi** 1986 Jul; 28(7):848-56 **(Jpn)**
[Real tubular reabsorption of pancreatic secretory trypsin inhibitor] Oka T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 May;84(5):1121-5 (Eng. Abstr.) **(Jpn)**
[Influence of salmon calcitonin on the tubular stage regulating the excretion of uric acid] García Puig J, et al. **Med Clin (Barc)** 1987 Feb 28;88(8):318-21 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Lack of casual relationship between medullary blood congestion and tubular necrosis in postischaemic kidney damage. Andersson G, et al. **Acta Physiol Scand** 1987 Jul; 130(3):429-32
Renal epithelial hyperplastic and neoplastic proliferation in autosomal dominant polycystic kidney disease. Gregoire JR, et al. **Am J Kidney Dis** 1987 Jan;9(1):27-38
Defective adaptation to a low phosphate environment by cultured renal tubular cells from X-linked hypophosphatemic (Hyp) mice. Kinoshita Y, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):763-9
Collecting duct function in cis-platinum nephrotoxicity. Wilson DR, et al. **Can J Physiol Pharmacol** 1987 Jun; 65(6):1200-4
Monitoring of ciclosporin toxicity by exfoliative urinary cytology in renal transplantation. Stella F, et al. **Contrib Nephrol** 1986;51:152-5
Collecting duct carcinoma of the kidney. Fleming S, et al. **Histopathology** 1986 Nov;10(11):1131-41
Effect of cisplatin on renal haemodynamics and tubular function in the dog kidney. Daugaard G, et al. **Int J Androl** 1987 Feb;10(1):347-51
Protective effect of verapamil on ischaemic renal injury in dogs. Sobh MA, et al. **Int Urol Nephrol** 1987;19(1):21-6
Hypokalemic nephropathy in the rat. Role of ammonia in chronic tubular injury. Tolins JP, et al. **J Clin Invest** 1987 May;79(5):1447-58
Genesis of renal tubular atrophy in experimental hydronephrosis in the rat. Role of apoptosis. Gobe GC, et al. **Lab Invest** 1987 Mar;56(3):273-81
Basement membrane proteoglycans of the kidney. Kanwar YS, et al. **Semin Nephrol** 1985 Dec;5(4):307-13
Renal oncocytoma: origin from the collecting duct. Zerban H, et al. **Virchows Arch [B]** 1987;52(5):375-87
[Tubular changes after urographic examination. A histopathologic study of 52 cases] Stanziale P, et al. **Minerva Urol Nefrol** 1986 Jul-Sep;38(3):313-6 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Physiopathologic aspects of Tamm-Horsfall protein: a phylogenetically conserved marker of the thick ascending limb of Henle's loop. Ronco P, et al. **Adv Nephrol** 1987; 16:231-49 (87 ref.)
The glomerular and tubular actions of angiotensin II. Blantz RC. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):2-6 (39 ref.)
Renal tubular function in gestation. Green R, et al. **Am J Kidney Dis** 1987 Apr;9(4):265-9 (9 ref.)
Electrophysiological studies of primary cultures of rabbit distal tubule cells. Bello-Reuss E, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F899-909
Influence of transmembrane potential differences of renal tubular epithelial cell on ANG II binding. Brown GP, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):F209-14
Calcium modulates vasopressin effect in rabbit cortical collecting tubule. Dillingham MA, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F115-21
Blocking agents of Ca2+-activated K+ channels in cultured medullary thick ascending limb cells. Guggino SE, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):C128-37
Ca2+-activated K+ channels in cultured medullary thick ascending limb cells. Guggino SE, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):C121-7
ATP turnover and renal response of dog tubules to pH changes in vitro. Manillier C, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F919-32
Superficial nephron responses to peritubular capillary infusions of angiotensins I and II. Mitchell KD, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F818-24
GFR regulation and flow-dependent electrophysiology of early distal tubule in Amphiuma. Persson BE, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F263-8
Modification of tubuloglomerular feedback signal by dietary protein. Seney FD Jr, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F83-90
Altered reactivity of tubuloglomerular feedback. Arendshorst WJ. **Annu Rev Physiol** 1987;49:295-317 (52 ref.)
Calcium as a mediator of tubuloglomerular feedback. Bell PD, et al. **Annu Rev Physiol** 1987;49:275-93 (72 ref.)
The tubuloglomerular feedback mechanism: functional and biochemical aspects. Briggs JP, et al. **Annu Rev Physiol** 1987;49:251-73 (136 ref.)
Fluid waves in renal tubules. Sakai T, et al. **Biophys J** 1986 Nov;50(5):805-13
Distal nephron sodium handling by normal, nephrotic,

pyelonephritic and partially nephrectomized rats. Okay Y, et al. **Braz J Med Biol Res** 1986;19(2):295–302

In vivo estimation of changes in distal tubule flow and their role in dexamethasone–induced kaliuresis in control and potassium–adapted rats. Adam WR, et al. **Clin Exp Pharmacol Physiol** 1987 Jan;14(1):47–57

Epithelial sodium channels: characterization by using the patch–clamp technique. Palmer LG, et al. **Fed Proc** 1986 Nov;45(12):2708–12

Arginine infusion blocks the action of parathyroid hormone but not arginine vasopressin on the renal tubule in man. O'Reilly DS, et al. **J Endocrinol** 1986 Dec;111(3):501–6

The role of the macula densa in renin release: studies by microperfusion. Harris PJ, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S424–7

Selective dopamine–1 receptor stimulation produces natriuresis by a direct tubular action. Hughes JM, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S106–8

Renal vasoconstrictor response to hypertonic saline in the dog: effects of prostaglandins, indomethacin and theophylline. Gerber JG, et al. **J Physiol (Lond)** 1986 Nov; 380:35–43

Intracellular electrical potentials in the rabbit collecting ducts perfused in vitro. Ishibashi K, et al. **Jpn J Physiol** 1986; 36(4):671–81

Single tubule perfusion techniques. Burg MB, et al. **Kidney Int** 1986 Aug;30(2):166–70

The electrophysiological analysis of tubular transport. Frömter E. **Kidney Int** 1986 Aug;30(2):216–28 (97 ref.)

The cortical thick ascending limb and early distal convoluted tubule in the urinary concentrating mechanism. Greger R, et al. **Kidney Int** 1987 Feb;31(2):590–6 (42 ref.)

The medullary thick limb: function and modulation of the single–effect multiplier. Hebert SC, et al. **Kidney Int** 1987 Feb;31(2):580–9 (102 ref.)

Function of thin loops of Henle. Imai M, et al. **Kidney Int** 1987 Feb;31(2):565–79 (112 ref.)

Short and long loop nephrons. Jamison RL. **Kidney Int** 1987 Feb;31(2):597–605 (20 ref.)

The role of the collecting duct in urinary concentration. Kokko JP. **Kidney Int** 1987 Feb;31(2):606–10 (43 ref.)

Changes in single nephron renin release are mediated by tubular fluid flow rate. Leyssac PP. **Kidney Int** 1986 Sep; 30(3):332–9

Functional adaptation of thick ascending limb and internephron heterogeneity to urine concentration. Trinh–Trang–Tan MM, et al. **Kidney Int** 1987 Feb; 31(2):549–55 (37 ref.)

Mechanisms of renal tubular acidification. Giebisch G. **Klin Wochenschr** 1986 Sep 15;64(18):853–61

Multi–barrelled K channels in renal tubules. Hunter M, et al. **Nature** 1987 Jun 11–17;327(6122):522–4

Physiological role of lateral interspaces and tight junctions in the renal tubule. Whittembury G. **Nippon Jinzo Gakkai Shi** 1986 Jul;28(7):886–94

Effect of potassium adaptation on the distribution of potassium, sodium and chloride across the apical membrane of renal tubular cells. Beck FX, et al. **Pflugers Arch** 1987 Aug;409(4–5):477–85

Additive effects of glucagon and vasopressin on renal Mg reabsorption and urine concentrating ability in the rat. Elalouf JM, et al. **Pflugers Arch** 1986;407 Suppl 2:S66–71

Effects of various transport inhibitors on oscillating TGF pressure responses in the rat. Leyssac PP, et al. **Pflugers Arch** 1986 Sep;407(3):285–91

Effects of ouabain and temperature on cell membrane potentials in isolated perfused straight proximal tubules of the mouse kidney. Völkl H, et al. **Pflugers Arch** 1986 Sep; 407(3):252–7

Cell membrane potential: a signal to control intracellular pH and transepithelial hydrogen ion secretion in frog kidney. Wang W, et al. **Pflugers Arch** 1987 Jul;409(3):289–95

Functional heterogeneity in the hamster medullary thick ascending limb of Henle's loop. Yoshitomi K, et al. **Pflugers Arch** 1987 May;408(6):600–8

Aldosterone activates Na+/H+ exchange and raises cytoplasmic pH in target cells of the amphibian kidney. Oberleithner H, et al. **Proc Natl Acad Sci USA** 1987 Mar; 84(5):1464–8

Renal function in an elderly population. A study of S–creatinine, 51Cr–EDTA clearance, endogenous creatinine clearance and maximal tubular water reabsorption. Larsson M. et al. **Scand J Clin Lab Invest** 1986 Oct;46(6):593–8

Recovery of glomerular and tubular function in autotransplanted dog kidneys preserved by hypothermic storage or machine perfusion. Relation of initial function to long–term function. Gregg CM, et al. **Transplantation** 1986 Nov;42(5):453–8

[Functional segmentation of the kidney tubule] Gu HB. **Sheng Li Ko Hsueh Chin Chan** 1986 Apr;17(2):134–8 (36 ref.) **(Chi)**

[Role of the macula densa and beta–adrenergic system in the control of the circadian rhythm of renin and aldosterone] Cugini P, et al. **Recenti Prog Med** 1986 Dec; 77(12):570–2 (Eng. Abstr.) **(Ita)**

[Experimental renal kinetic function analysis using Gd–DTPA enhanced MRI—the separation analysis of glomerular and tubular functions] Ikehira H. **Kaku Igaku** 1987 Mar;24(3):263–72 (Eng. Abstr.) **(Jpn)**

[Physiology of renal papillary collecting duct] Higashihara E. **Nippon Jinzo Gakkai Shi** 1986 Jul;28(7):837–48 **(Jpn)**

[The hypothesis of portal charges and its role in the pharmacology of the kidney] Lebedev AA. **Farmakol Toksikol** 1986 Nov–Dec;49(6):16–22 (19 ref.) **(Rus)**

[Immunofluorescence research on the permeability of the kidney biological barriers for serum proteins] Gorban' VA. **Vrach Delo** 1986 Oct;(10):56–7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Inner medullary collecting duct function during rebound alkalemia. Bengele HH, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F712–6

Control of renal hemodynamics in hyperglycemia: possible role of tubuloglomerular feedback. Woods LL, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F65–73

Occurrence of renal tubular dysfunction in lupus nephritis. Kozeny GA, et al. **Arch Intern Med** 1987 May;147(5):891–5

Diabetic renal hypouricemia. Shichiri M, et al. **Arch Intern Med** 1987 Feb;147(2):225–8

A comparison of simplified and standard methods for the measurement of glomerular filtration rate and renal tubular function [letter] **Br J Radiol** 1986 Oct;59(706):1053–5

Determination of urinary lysozyme for potential detection of tubular dysfunction in diabetic nephropathy. Shima K, et al. **Clin Chem** 1986 Oct;32(10):1818–22

Measurement of urinary retinol–binding protein by enzyme–linked immunosorbent assay, and its application to detection of tubular proteinuria. Topping MD, et al. **Clin Chem** 1986 Oct;32(10):1863–6

Renal tubular function in familial hypocalciuric hypercalcemia. Kristiansen JH, et al. **Contrib Nephrol** 1987; 56:210–4

Pancreatitis and alcoholism disorder the renal tubule and impair reclamation of some low molecular weight proteins. Mock DM, et al. **Gastroenterology** 1987 Jan;92(1):161–70

Tubule recovery after obstructive nephropathy relief: the value of enzymuria and microproteinuria. Tataranni G, et al. **J Urol** 1987 Jul;138(1):24–7

Segmental characterization of defects in collecting tubule acidification. Batlle DC. **Kidney Int** 1986 Oct;30(4):546–54

Tubuloglomerular feedback in chronic renal failure. Slomowitz L. **Nephron** 1987;45(4):264–71 (98 ref.)

Influence of chronic dietary acid on renal tubular handling of magnesium. Shapiro RJ, et al. **Pflugers Arch** 1987 Aug; 409(4–5):492–8

Hydrogen ion excretion and urinary concentration in the recovery phase of acute glomerulonephritis. Cruz HM, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Mar–Apr; 41(2):61–6

Effect of chronic hypokalaemia on renal concentrating ability and secretion of arginine vasopressin. Jespersen B, et al. **Scand J Clin Lab Invest** 1987 Feb;47(1):5–9

99mTc–aprotinin for the study of renal morphology and tubular function. Bianchi C, et al. **Uremia Invest** 1985–86; 9(2):139–46 (22 ref.)

[Renal tubular impairment in traumatized patients] Yokota J, et al. **Nippon Geka Gakkai Zasshi** 1986 Nov; 87(11):1391–7 (Eng. Abstr.) **(Jpn)**

[Preeclampsia and tubular dysfunction] Yoshida A, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan;39(1):9–16 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Pneumocalyx following percutaneous nephrostolithotomy. Daughtry JD, et al. **Urology** 1986 Oct;28(4):293–4

SECRETION

Effects of parathyroid hormone and urinary phosphate on collecting duct hydrogen secretion. Mercier O, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F802–9

In situ studies of distal convoluted tubule in rat. II. K secretion. Schnermann J, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F970–6

Renal tubular secretion of the alkanesulfonate 2,3–dimercapto–1–propanesulfonate. Stewart JR, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F800–10

In vivo renal tubular secretion of trimethoprim without metabolism. Cacini W. **Biochem Pharmacol** 1987 Aug 15; 36(16):2693–5

Contribution of renal active secretion in renal excretion of N4–acetylsulfamonomethoxine in conscious pigs. Shimoda M, et al. **J Pharmacobiodyn** 1986 Nov;9(11):865–70

Hypouricemia due to increased tubular urate secretion. Shichiri M, et al. **Nephron** 1987;45(1):31–4

[A case of idiopathic hypouricemia due to augmented renal tubular secretion of uric acid] Sasaki M, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Aug;77(8):1349–52 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Renal blood flow, glomerular filtration rate, and renal morphology in cyclosporine–induced acute renal failure in Munich–Wistar rats. Racusen LC, et al. **Am J Kidney Dis** 1986 Nov;8(5):319–22

Renal tubular vacuolization in a cyclosporine–A–treated renal transplant patient without evidence of cyclosporine A nephrotoxicity [letter] Verani R. **Am J Nephrol** 1987; 7(3):250–1

Role of basolateral cell membranes in organic solute reabsorption in rabbit kidneys. Foulkes EC. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1042–7

Nonclathrin–coated vesicles are involved in endocytosis in kidney collecting duct intercalated cells. Brown D, et al. **Anat Rec** 1987 Jul;218(3):237–42

Differences in glycocalyx composition between cells of the cortical thick ascending limb of Henle and the macula densa revealed by lectin–gold cytochemistry. Rielle JC, et al. **Anat Rec** 1987 Jul;218(3):243–8

A morphometric and ultrastructural study of lithium–induced changes in the medullary collecting ducts of the rat kidney. Ottosen PD, et al. **Cell Tissue Res** 1987 Aug;249(2):311–5

Cytoskeletal proteins of the rat kidney proximal tubule brush border. Rodman JS, et al. **Eur J Cell Biol** 1986 Dec; 42(2):319–27

Fusion of storage lysosomes in experimental lipidosis and glycogenosis. Lüllmann–Rauch R, et al. **Exp Mol Pathol** 1987 Feb;46(1):136–43

Morphological changes in the renal macula densa during natriuresis and diuresis. Alcorn D, et al. **Renal Physiol** 1986; 9(6):335–47

Overview article: basal lamina of epidermis, muscle fibers, muscle capillaries, and renal tubules: changes with aging and in diabetes mellitus. Vracko R, et al. **Ultrastruct Pathol** 1980 Oct–Dec;1(4):559–74

[Tubular ultrastructural changes in human kidney allografts] Nádasdy T, et al. **Morphol Igazsagugyi Orv Sz** 1987 Jul; 27(3):219–30 (Eng. Abstr.) **(Hun)**

KIDNEY TUBULES, COLLECTING see under **KIDNEY TUBULES**

KIDNEY TUBULES, DISTAL see under **KIDNEY TUBULES**

KIDNEY TUBULES, PROXIMAL

ANALYSIS

Calmodulin and calmodulin–binding proteins in the renal brush border. De Smedt H, et al. **Biochim Biophys Acta** 1987 Jun 15;929(1):103–13

NMR measurement of intracellular water volume in rat kidney proximal tubules. Hoffman D, et al. **Biochim Biophys Acta** 1986 Dec 19;889(3):355–60

CYTOLOGY

Cell volume regulation in rabbit proximal straight tubule perfused in vitro. Kirk KL, et al. **Am J Physiol** 1987 May; 252(5 Pt 2):F922–32

Reassembly of the occluding junctions in a renal cell line with characteristics of proximal tubular cells. Rabito CA. **Am J Physiol** 1986 Dec;251(6 Pt 2):F978–87

Use of monoclonal antibodies to culture rat proximal tubule cells. Stanton RC, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):C780–6

Oxygen radicals alter the cell membrane potential in a renal cell line (LLC–PK1) with differentiated characteristics of proximal tubular cells. Scott JA, et al. **Biochim Biophys Acta** 1987 Feb 12;897(1):25–32

Characteristics of long–term human epithelial cell cultures derived from normal human fetal kidney. Gibson–D'Ambrosio RE, et al. **In Vitro Cell Dev Biol** 1987 Apr;23(4):279–87

Cytotoxicity of S–(1,2–dichlorovinyl)glutathione and S–(1,2–dichlorovinyl)–L–cysteine in isolated rat kidney cells. Lash LH, et al. **J Biol Chem** 1986 Oct 5; 261(28):13076–81

Restricted growth of rat kidney proximal tubule cells cultured in serum–supplemented and defined media. Miller JH. **J Cell Physiol** 1986 Nov;129(2):264–72

Kidney proximal tubular cells isolated by collagenase perfusion grow in defined media in the absence of growth factors. Rosenberg MR, et al. **J Cell Physiol** 1987 Apr; 131(1):107–13

Cytoplasmic pH regulation in canine renal proximal tubule cells. Reid IR, et al. **Kidney Int** 1987 May;31(5):1113–20

DRUG EFFECTS

Dibutryladenosine 3',5'–cyclic monophosphate (dBcAMP) does not mimic the action of parathyroid hormone (PTH) on canine proximal tubular basolateral membrane Na+:Ca2+. Scoble JE, et al. **Adv Exp Med Biol** 1986; 208:537–41

Investigations on the mode of action of the fungus toxin orellanine on renal cell cultures. Heufler C, et al. **Agents Actions** 1987 Jun;21(1–2):203–8

Phorbol esters inhibit ammoniagenesis and gluconeogenesis in proximal tubular segments. Chobanian MC, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1073–9

Direct toxic effect of the radiocontrast agent diatrizoate on renal proximal tubule cells. Humes HD, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):F246–55

EGF–induced mitogenesis in proximal tubular cells: potentiation by angiotensin II. Norman J, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F299–309

Effects of lidocaine on transport properties of renal brush–border membranes. Schell RE, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):256–62

The effect of sodium taurocholate on proximal tubular reabsorption in the rat kidney. Better OS, et al. **Clin Sci** 1987 Jan;72(1):139–41

Effects of gentamicin on sphingomyelinase activity in cultured human renal proximal tubular cells. Ghosh P, et al. **J Biol Chem** 1987 Sep 15;262(26):12550–6

Insulin stimulates volume absorption in the rabbit proximal convoluted tubule. Baum M. **J Clin Invest** 1987 Apr; 79(4):1104–9

Dose dependence of proximal and distal tubular effects of furosemide in conscious rats. Christensen S, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):987–93

Lack of effect of alpha-human atrial natriuretic polypeptide on volume reabsorption and p-aminohippuric acid secretion in the rabbit proximal straight tubule. Ando R, et al. **Jpn J Physiol** 1987;37(1):81–91

Effect of dopamine on sodium uptake by renal proximal tubule cells of rabbit. Laradi A, et al. **Miner Electrolyte Metab** 1986;12(5–6):303–7

The effect of cyanide on apparent potassium conductance across the peritubular cell membrane of frog proximal tubules. Rehwald W, et al. **Pflugers Arch** 1986 Dec; 407(6):607–10

Impairment of lysosome–pinocytic vesicle fusion in rat kidney proximal tubules after treatment with gentamicin at low doses. Giurgea-Marion L, et al. **Toxicol Appl Pharmacol** 1986 Nov;86(2):271–85

Differential patterns of injury to the proximal tubule of renal cortical slices following in vitro exposure to mercuric chloride, potassium dichromate, or hypoxic conditions. Ruegg CE, et al. **Toxicol Appl Pharmacol** 1987 Sep 15; 90(2):261–73

The effect of gentamicin on human renal proximal tubular cells. Regec AL, et al. **Toxicol Pathol** 1986;14(2):238–41

EMBRYOLOGY

[D-glucose reabsorption activity of fetal kidney (by using brush border membrane vesicles of proximal tubule)] Iioka H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul; 39(7):1037–41 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Effect of L-DOPA, dopamine, dihydroxyphenyl acetic acid and homovanillic acid on Na,K-ATPase activity in rat proximal tubule segments. Bertorello A, et al. **Acta Physiol Scand** 1987 Aug;130(4):571–4

Dopamine causes inhibition of Na+–K+–ATPase activity in rat proximal convoluted tubule segments. Aperia A, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F39–45

Effects of fish meal as source of protein on intestinal maltase activity and intestinal and renal leucine aminopeptidase activity of growing rats. Rebolledo E, et al. **Ann Nutr Metab** 1986;30(6):365–8

UDPgalactose:glucosylceramide beta 1——4-galactosyltransferase activity in human proximal tubular cells from normal and familial hypercholesterolemic homozygotes. Chatterjee S, et al. **Biochim Biophys Acta** 1987 Jan 20;923(1):136–42

In vitro modulation of antioxidant enzymes in normal and malignant renal epithelium. Yang AH, et al. **In Vitro Cell Dev Biol** 1987 Aug;23(8):546–58

Lipasuria in acute pancreatitis: result of tubular dysfunction? Muench R, et al. **Pancreas** 1987;2(3):333–8

Proton pump activity and Mg-ATPase activity in rat kidney cortex brushborder membranes: effect of 'proton ATPase' inhibitors. Kinne-Saffran E, et al. **Pflugers Arch** 1986;407 Suppl 2:S180–5

[Enzyme histochemical study on adriamycin nephropathy in rats] Sato H, et al. **Eisei Shikenjo Hokoku** 1986;(104):87–91 (Eng. Abstr.) **(Jpn)**

GROWTH & DEVELOPMENT

Factors affecting proximal tubular reabsorption during development. Kaskel FJ, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F188–97

IMMUNOLOGY

Diagnosis of renal proximal tubular injury by urinary immunoassay for a proximal tubular antigen, the adenosine deaminase binding protein. Tolkoff-Rubin NE, et al. **Nephrol Dial Transplant** 1987;2(3):143–8

[Immunohistochemical study of renal cell carcinoma. II. Studies on glycocompounds and renal tubular antigen of renal cell carcinoma] Iizumi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jun;77(6):886–95 (Eng. Abstr.) **(Jpn)**

METABOLISM

Relationship between sodium clearance and proximal tubular fluid output in conscious unoperated rats adapted to different dietary sodium contents. Thomsen K, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Sep;59(3):242–8

Relation between potassium excretion and proximal tubular fluid output in conscious unoperated rats adapted to different dietary potassium contents. Thomsen K, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Sep;59(3):236–41

How bicarbonate loading inhibits tubular reabsorption of NaCl in dog kidneys. Ostensen J, et al. **Acta Physiol Scand** 1987 Jan;129(1):35–46

Interactions between inorganic phosphate and energy metabolism in renal cortical tubules. Dennis VW, et al. **Adv Exp Med Biol** 1986;208:67–72

Renal magnesium wasting disorders. Dirks JH, et al. **Adv Exp Med Biol** 1986;208:193–7 (16 ref.)

Mechanisms of ion transport regulation by parathyroid hormone: cAMP/Ca2+/calmodulin and phospholipid dependent phosphorylation. Hruska K, et al. **Adv Exp Med Biol** 1986;208:49–57 (20 ref.)

Mechanisms of NAD action in regulation of renal brush border membrane transport of phosphate. Kempson SA, et al. **Adv Exp Med Biol** 1986;208:59–66 (47 ref.)

Phosphorin, a phosphate-binding hydrophobic protein isolated from renal brush border membranes. Kessler RJ, et al. **Adv Exp Med Biol** 1986;208:83–92

Resistance to the phosphaturic effect of parathyroid hormone during phosphate conservation is due to enhanced phosphate reabsorption by the pars recta. Knox FG, et al. **Adv Exp Med Biol** 1986;208:101–8

The direct effect of 1,25-dihydroxycholecalciferol on membrane phospholipid composition and phosphate transport. Kurnik BR, et al. **Adv Exp Med Biol** 1986; 208:115–24

Renal proximal tubular brush-border membrane transport of phosphate with acute acidosis. Levine BS, et al. **Adv Exp Med Biol** 1986;208:145–53

Regulation of Na+/H+ antiport in the intact renal proximal tubular cell. Nord EP, et al. **Adv Exp Med Biol** 1986; 208:529–32

Brush border membrane phosphate transport effects of volume expansion. Puschett JB, et al. **Adv Exp Med Biol** 1986;208:109–13

Calcium stimulates sodium-dependent phosphate absorption in rabbit proximal convoluted tubules perfused in vitro. Rouse D, et al. **Adv Exp Med Biol** 1986;208:133–5

Inhibition of respiration in rabbit proximal tubules by bromophenols and 2-bromohydroquinone. Schnellmann RG, et al. **Adv Exp Med Biol** 1986;197:911–7

Lowered oxygen supply and calcium (Ca) accumulation in rabbit proximal tubules. Takano T, et al. **Adv Exp Med Biol** 1986;200:485–6

Calcium transport by the proximal tubule. Wright FS, et al. **Adv Exp Med Biol** 1986;208:165–70 (17 ref.)

Characteristics of phosphate transport across the basolateral membrane of the proximal tubule: an in vivo study. Yan TS, et al. **Adv Exp Med Biol** 1986;208:137–43

Possible role of calcium in parathyroid hormone action on phosphate transport in rabbit renal proximal tubules. Yanagawa N, et al. **Adv Exp Med Biol** 1986;208:125–32

Control of steady-state pH in rabbit proximal straight tubules. Atkins JL, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F282–9

Measurement of Na+–K+ coupling ratio of Na+–K+–ATPase in rabbit proximal tubules. Avison MJ, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):C126–36

Evidence that parallel Na+–H+ and Cl(–)–HCO3–(OH–) antiporters transport NaCl in the proximal tubule. Baum M. **Am J Physiol** 1987 Feb;252(2 Pt 2):F338–45

Norepinephrine increases Na+–K+–ATPase and solute transport in rabbit proximal tubules. Beach RE, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):F215–20

HCO3 accumulation in proximal tubule: roles of carbonic anhydrase, luminal buffers, and pH. Bomsztyk K, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F501–8

Calcium transport across the pars recta of cortical segment 2 proximal tubules. Bourdeau JE. **Am J Physiol** 1986 Oct; 251(4 Pt 2):F718–24

Conductive Na+ transport in an epithelial cell line (LLC-PK1) with characteristics of proximal tubular cells. Cantiello HF, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F590–7

Proximal tubular reabsorption and Na-K-ATPase activity in remnant kidney of young rats. Celsi G, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):F588–93

Measurement of flow rate in rat proximal tubules with a nonobstructing optical method. Chou CL, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F366–71

Effects of D-amino acid substituents on degradation of LHRH analogues by proximal tubule. Flouret G, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):E320–6

Carrier-mediated reabsorption of small peptides in renal proximal tubule. Ganapathy V, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):F945–53 (68 ref.)

Bicarbonate and ammonia transport in isolated perfused rat proximal straight tubules. Garvin JL, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F277–81

NH3 and NH4+ transport by rabbit renal proximal straight tubules. Garvin JL, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):F232–9

Improved separation method for rat proximal and distal renal tubules. Gesek FA, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F358–65

Cytoplasmic calcium in individual proximal tubular cells in culture. Goligorsky MS, et al. **Am J Physiol** 1986 Nov; 251(5 Pt 2):F938–44

Tubule urate and PAH transport: sensitivity and specificity of serum protein inhibition. Grantham JJ, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F683–90

Coupling of Na-H exchange and Na-K pump activity in cultured rat proximal tubule cells. Harris RC, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):C815–24

Uninephrectomy and dietary protein affect fluid absorption in rabbit proximal straight tubules. Johnston JR, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F222–33

Lithium as a marker for proximal tubular delivery during low salt intake and diuretic infusion. Kirchner KA. **Am J Physiol** 1987 Jul;253(1 Pt 2):F188–96

Regulatory volume decrease in perfused proximal nephron: evidence for a dumping of cell K+. Kirk KL, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F933–42

Ultrastructural localization of acidic compartments in cells of isolated rabbit PCT. Larsson L, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F95–103

Effect of acute acidemia on phosphate uptake by renal proximal tubular brush-border membranes. Levine BS, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F889–96

Acidification is inhibited in late proximal convoluted tubule during chronic metabolic alkalosis. Liu FY, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F89–94

Electrogenic Na/HCO3 cotransport across basolateral membrane of isolated perfused Necturus proximal tubule. Lopes AG, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F340–50

Handling of lysozyme in isolated perfused proximal tubules. Nielsen JT, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F822–30

H+–L-proline cotransport by vesicles from pars convoluta of rabbit proximal tubule. Røigaard-Petersen H, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F15–20

H+ gradient-driven dipeptide reabsorption in proximal tubule of rat kidney. Studies in vivo and in vitro. Silbernagl S, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F448–57

Presence of multiple sodium-dependent phosphate transport processes in proximal brush-border membrane. Walker JJ, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):F226–31

Video measurement of basolateral NaCl reflection coefficient in proximal tubule. Welling LW, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F290–8

Calcitonin inhibits Na+ gradient-dependent phosphate uptake across renal brush-border membranes. Yusufi AN, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F598–604

Phorbol esters inhibit phosphate uptake in opossum kidney cells: a model of proximal renal tubular cells. Nakai M, et al. **Biochem Biophys Res Commun** 1987 May 29; 145(1):303–8

Comparison of glucose transport mechanisms at opposing surfaces of the renal proximal tubular cell. Silverman M. **Biochem Cell Biol** 1986 Nov;64(11):1092–8

Na+–H+ exchange in luminal-membrane vesicles from rabbit proximal convoluted and straight tubules in response to metabolic acidosis. Jacobsen C, et al. **Biochem J** 1986 Oct 15;239(2):411–6

Sodium-dependent glucose transport by cultured proximal tubule cells. Alavi N, et al. **Biochim Biophys Acta** 1987 May 12;899(1):9–16

Effect of pH on the kinetics of Na+-dependent phosphate transport in rat renal brush-border membranes. Bindels RJ, et al. **Biochim Biophys Acta** 1987 Feb 12;897(1):83–92

Identification of proximal tubular transport functions in the established kidney cell line, OK. Malström K, et al. **Biochim Biophys Acta** 1987 Aug 20;902(2):269–77

The effects of acute phosphate depletion on isolated chick kidney tubule cells. Grahn MF, et al. **Cell Biochem Funct** 1986 Oct;4(4):271–5

Protein absorption by tubular mesonephric and metanephric structures in the human embryo. An immunohistochemical study. Lauriola L, et al. **Cell Tissue Res** 1986;246(1):77–80

Assessment of urinary retinol-binding protein as an index of proximal tubular injury. Bernard AM, et al. **Clin Chem** 1987 Jun;33(6):775–9

Active tubular secretion of 1-naphthyl-beta-D-glucuronide in the isolated perfused rat kidney. Redegeld FA, et al. **Drug Metab Dispos** 1986 Sep–Oct;14(5):622–4

Increased renal threshold of bicarbonate due to carbon dioxide retention associated with proximal renal tubular acidosis. Korzets Z, et al. **Int J Pediatr Nephrol** 1987 Jan–Mar;8(1):41–3

Uptake and metabolism of lactosylceramide on low density lipoproteins in cultured proximal tubular cells from normal and familial hypercholesterolemic homozygotes. Chatterjee S, et al. **J Biol Chem** 1986 Oct 15;261(29):13480–6

Regulation of synthesis of lactosylceramide and long chain bases in normal and familial hypercholesterolemic cultured proximal tubular cells. Chatterjee S, et al. **J Biol Chem** 1986 Oct 15;261(29):13474–9

Developmental expression, cellular localization, and testosterone regulation of alpha 1-antitrypsin in Mus caroli kidney. Latimer JJ, et al. **J Biol Chem** 1987 Sep 15; 262(26):12641–6

Multiplication-stimulating activity-induced alkalinization of canine renal proximal tubular cells. Mellas J, et al. **J Biol Chem** 1986 Nov 5;261(31):14437–42

Isolation and partial purification of a Na+-dependent phlorizin receptor from dog kidney proximal tubule. Silverman M, et al. **J Biol Chem** 1986 Oct 15; 261(29):13820–6

Apical membrane chloride/base exchange in the rat proximal convoluted tubule. Alpern RJ. **J Clin Invest** 1987 Apr; 79(4):1026–30

Ammonia transport by early and late proximal convoluted tubule of the rat. Good DW, et al. **J Clin Invest** 1987 Mar; 79(3):684–91

Spontaneous luminal disequilibrium pH in S3 proximal tubules. Role in ammonia and bicarbonate transport. Kurtz I, et al. **J Clin Invest** 1986 Oct;78(4):989–96

Angiotensin II: a potent regulator of acidification in the rat early proximal convoluted tubule. Liu FY, et al. **J Clin Invest** 1987 Jul;80(1):272–5

Axial heterogeneity of bicarbonate, chloride, and water

transport in the rat proximal convoluted tubule. Effects of change in luminal flow rate and of alkalemia. Liu FY, et al. **J Clin Invest** 1986 Dec;78(6):1547–57

Axial heterogeneity of intracellular pH in rat proximal convoluted tubule. Pastoriza-Munoz E, et al. **J Clin Invest** 1987 Jul;80(1):207–15

Effect of formate on volume reabsorption in the rabbit proximal tubule. Schild L, et al. **J Clin Invest** 1987 Jan; 79(1):32–8

Prostaglandin and thromboxane synthesis by highly enriched rabbit proximal tubular cells in culture. Alavi N, et al. **J Lab Clin Med** 1987 Sep;110(3):338–45

Heterogeneity of calcium compartmentation: electron probe analysis of renal tubules. LeFurgey A, et al. **J Membr Biol** 1986;94(2):191–6

Evidence for water channels in renal proximal tubule cell membranes. Meyer MM, et al. **J Membr Biol** 1987; 96(2):107–19

Potassium transport in the rabbit renal proximal tubule: effects of barium, ouabain, valinomycin, and other ionophores. Soltoff SP, et al. **J Membr Biol** 1986; 94(2):153–61

Relation between transport maxima and inhibition of organic cation excretion in the chicken kidney. Springate J, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):400–3

Glutamine transport in the rabbit proximal straight tubule: effect of acute acid pH. Kuwahara M, et al. **Kidney Int** 1986 Sep;30(3):340–7

Aminoglycoside-induced alterations of phosphoinositide metabolism. Marche P, et al. **Kidney Int** 1987 Jan; 31(1):59–64

Effect of corticosteroids on proximal tubular acidification in the rat. Damasco MC, et al. **Miner Electrolyte Metab** 1987;13(1):26–32

Lack of influence of volume flux on phosphate reabsorption in the proximal tubule. Kaufman JS, et al. **Miner Electrolyte Metab** 1987;13(3):158–64

Portion-selective uptake of 109Cd-labelled alpha-fragment and hexapeptide of metallothionein in renal proximal tubules. Murakami M, et al. **Nippon Eiseigaku Zasshi** 1986 Aug;41(3):653–8

Glycogen accumulation in the pars recta of the proximal tubule in Fanconi syndrome. Bendon RW, et al. **Pediatr Pathol** 1986;6(4):411–29

The renal handling of carnitine in patients with selective tubulopathy and with Fanconi syndrome. Steinmann B, et al. **Pediatr Res** 1987 Feb;21(2):201–4

Pyrazinoate transport in the isolated perfused rabbit proximal tubule. Besseghir K, et al. **Pflugers Arch** 1986 Dec; 407(6):643–8

Evidence for OH-/H+ permeation across the peritubular cell membrane of rat renal proximal tubule in HCO3(-)-free solutions. Burckhardt BC, et al. **Pflugers Arch** 1987 Jun; 409(1-2):132–7

Non-electrolyte transport across renal proximal tubule cell membranes measured by tracer efflux and light scattering. Chen PY, et al. **Pflugers Arch** 1987 May;408(5):491–6

Na,K-ATPase activity and 25(OH)vitamin D3 hydroxylation in rat proximal tubules. Elstein D, et al. **Pflugers Arch** 1986 Oct;407(4):451–5

Phosphate transport across the basolateral membrane from rat kidney cortex: sodium-dependence? Hagenbuch B, et al. **Pflugers Arch** 1986;407 Suppl 2:S149–55

Coupling between sodium and succinate transport across renal brush border membrane vesicles. Hirayama B, et al. **Pflugers Arch** 1986;407 Suppl 2:S174–9

Chloride transport in the mammalian proximal tubule. Schild L, et al. **Pflugers Arch** 1986;407 Suppl 2:S156–9

Ammoniagenesis catalyzed by hippurate-activated gamma-glutamyltransferase in the lumen of the proximal tubule. A microperfusion study in rat kidney in vivo. Silbernagl S. **Pflugers Arch** 1986;407 Suppl 2:S72–9

Contraluminal para-aminohippurate (PAH) transport in the proximal tubule of the rat kidney. I. Kinetics, influence of cations, anions, and capillary preperfusion. Ullrich KJ, et al. **Pflugers Arch** 1987 Jul;409(3):229–35

Contraluminal para-aminohippurate transport in the proximal tubule of the rat kidney. III. Specificity: monocarboxylic acids. Ullrich KJ, et al. **Pflugers Arch** 1987 Aug; 409(6):547–54

Contraluminal transport of small aliphatic carboxylates in the proximal tubule of the rat kidney in situ. Ullrich KJ, et al. **Pflugers Arch** 1986 Nov;407(5):488–92

Contraluminal para-aminohippurate (PAH) transport in the proximal tubule of the rat kidney. II. Specificity: aliphatic dicarboxylic acids. Ullrich KJ, et al. **Pflugers Arch** 1987 Jan;408(1):38–45

Tubular handling of sodium and phosphate in non-ascitic liver cirrhosis. Caregaro L, et al. **Scand J Clin Lab Invest** 1987 May;47(3):247–51

Accumulation of alpha 2u-globulin in the renal proximal tubules of male rats exposed to unleaded gasoline. Olson MJ, et al. **Toxicol Appl Pharmacol** 1987 Aug;90(1):43–51

PATHOLOGY

Effect of long-term aluminum administration on the renal structure of the rat. Chagnac A, et al. **Nephron** 1987; 47(1):66–9

Dimensional changes of proximal tubules and cortical capillaries in chronic obstructive renal disease. A light microscopic morphometric analysis. Møller JC. **Virchows Arch [A]** 1986;410(2):153–8

PHYSIOLOGY

Intracellular messenger for action of angiotensin II on fluid transport in rabbit proximal tubule. Dominguez JH, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F423–8

Oscillations in the proximal intratubular pressure: a mathematical model. Holstein-Rathlou NH, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F560–72

Potassium channels in Necturus proximal tubule. Kawahara K, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F488–94

Electrophysiological heterogeneity of proximal convoluted tubules in Amphiuma kidney. Lang F, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):F1063–72

The early proximal tubule: a high-capacity delivery-responsive reabsorptive site. Maddox DA, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F573–84 (87 ref.)

Electrochemical analysis of renal Na+-glucose cotransport in salamander proximal tubules. Morgunov N, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F154–69

Basolateral potassium channels in renal proximal tubule. Sackin H, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F476–87

Mechanism of bicarbonate exit across basolateral membrane of rabbit proximal straight tubule. Sasaki S, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F11–8

Isolated perfused Ambystoma proximal tubule: hydrodynamics modulates ultrastructure. Tripathi S, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1129–47

A model of osmotic and hydrostatic pressure effects on volume absorption in the proximal tubule. Williams JC Jr, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F563–75

Evidence for the presence of functional beta-adrenoceptor along the proximal tubule of the rat kidney. Jacobs WR, et al. **Biochem Biophys Res Commun** 1986 Nov 26; 141(1):334–9

Potassium conductance in straight proximal tubule cells of the mouse. Effect of barium, verapamil and quinidine. Völkl H, et al. **Biochim Biophys Acta** 1987 Jun 30;900(2):275–81

Kinetic transport model for cellular regulation of pH and solute concentration in the renal proximal tubule. Verkman AS, et al. **Biophys J** 1987 Apr;51(4):533–46

Proton nuclear magnetic resonance measurement of diffusional water permeability in suspended renal proximal tubules. Verkman AS, et al. **Biophys J** 1987 May; 51(5):717–23

Regenerating tubular cell process in rat kidney: influence of gentamicin treatment. Olier B, et al. **Int J Tissue React** 1987;9(3):241–50

Isovolumetric regulation of isolated S2 proximal tubules in anisotonic media. Lohr JW, et al. **J Clin Invest** 1986 Nov; 78(5):1165–72

Basolateral membrane Cl/HCO3 exchange in the rat proximal convoluted tubule. Na-dependent and -independent modes. Alpern RJ, et al. **J Gen Physiol** 1987 Apr;89(4):581–98

Transcytosis in cultured proximal tubular cells. Goligorsky MS, et al. **J Membr Biol** 1986;93(3):237–47

Factors regulating proximal tubular water and electrolyte reabsorption. Langberg HC. **J Oslo City Hosp** 1987 Feb-Mar;37(2-3):13–28

Role of peritubular capillary forces in the renal action of carbonic anhydrase inhibitor. Ichikawa I, et al. **Kidney Int** 1986 Dec;30(6):828–35

Intracellular regulatory cascades: examples from parathyroid hormone regulation of renal phosphate transport. Murer H, et al. **Klin Wochenschr** 1986 Sep 15;64(18):824–8

Formation and excretion of NH3⟷NH4+. New aspects of an old problem. Silbernagl S, et al. **Klin Wochenschr** 1986 Sep 15;64(18):862–70

Intracellular calcium ions as regulators of renal tubular sodium transport. Windhager E, et al. **Klin Wochenschr** 1986 Sep 15;64(18):847–52

Atrial natriuretic peptide inhibits angiotensin-stimulated proximal tubular sodium and water reabsorption. Harris PJ, et al. **Nature** 1987 Apr 16-22;326(6114):697–8

A voltage-dependent ionic channel in the basolateral membrane of late proximal tubules of the rabbit kidney. Gögelein H, et al. **Pflugers Arch** 1986;407 Suppl 2:S142–8

Digital image capture and analysis for split-drop micropuncture. Harris PJ, et al. **Pflugers Arch** 1987 May; 408(6):615–8

Synchronization of proximal intratubular pressure oscillations: evidence for interaction between nephrons. Holstein-Rathlou NH. **Pflugers Arch** 1987 May; 408(5):438–43

Effects of membrane potential changes on electrical cell-to-cell coupling in proximal tubule. Planelles G, et al. **Pflugers Arch** 1987 May;408(5):531–3

The effects of atrial natriuretic peptide on whole-kidney and proximal straight tubular function in the rabbit. McGowan JA, et al. **Proc Soc Exp Biol Med** 1987 May;185(1):62–8

PHYSIOPATHOLOGY

Acute natriuretic effect of nifedipine in hypertensive patients and normotensive controls—a proximal tubular effect? Krusell LR, et al. **Eur J Clin Pharmacol** 1987;32(2):121–6

The use of micropuncture, isolated tubule, and vesicle technique in the study of the action of thyroid hormones on the proximal tubule function. Capasso G, et al. **Uremia Invest** 1985-86;9(2):151–7

SECRETION

Dependence of proximal tubule p-aminohippurate secretion on serum proteins and metabolic substrates. Webb DE, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):F619–26

ULTRASTRUCTURE

Effects of flow rate on proximal tubule ultrastructure. Maunsbach AB, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F582–7

Morphometric analysis of distinct microanatomy near the base of proximal tubule cells. Welling LW, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F126–40

High sodium diet and Na+-stimulated ATPase activities in basolateral plasma membranes from rat kidney proximal tubular cells. Obando MA, et al. **Biochem Pharmacol** 1987 Jan 1;36(1):7–11

Secretion of lipoprotein particles by the cells of the kidney proximal segment in the migrating arctic lamprey, Lampetra japonica. Hatae T, et al. **Cell Tissue Res** 1987 Jul;249(1):25–30

Formation of apical tubules from large endocytic vacuoles in kidney proximal tubule cells during absorption of horseradish peroxidase. Hatae T, et al. **Cell Tissue Res** 1986; 246(2):271–8

Ultrastructure of the proximal convoluted tubule in the hibernating garden dormouse (Eliomys quercinus L.). Soria-Milla MA, et al. **Cryobiology** 1986 Dec;23(6):537–42

Methodological dependence in the ultrastructural immunolocalization of laminin in tubular basement membranes of the mouse kidney. Herken R, et al. **Histochemistry** 1987;87(1):59–64

Membrane specialization in the proximal tubule cells of the mouse kidney. Ohtsuki M, et al. **J Electron Microsc (Tokyo)** 1986;35(3):292–7

Parathyroid hormone-induced changes of the brush border topography and cytoskeleton in cultured renal proximal tubular cells. Goligorsky MS, et al. **J Membr Biol** 1986; 92(2):151–62

Proximal tubule morphology after single nephron obstruction in the rat kidney. Evan AP, et al. **Kidney Int** 1986 Dec; 30(6):818–27

KIENBOECK'S DISEASE see **OSTEOCHONDRITIS**

KIESELGUHR see under **SILICA**

KILLER CELLS

see related

ANTIBODY-DEPENDENT CELL CYTOTOXICITY

K-cell lymphocytosis/neutropenia syndrome: the neutropenia is not caused by autoimmunity. van der Veen JP, et al. **Br J Haematol** 1986 Dec;64(4):777–87

Media for LAK cell generation [letter] Beckner SK, et al. **Cancer Treat Rep** 1987 Jan;71(1):104

Intestinal cytotoxic cells [letter] Gibson PR. **Gastroenterology** 1987 Aug;93(2):437–8

Laparotomy enhances intraperitoneal tumor growth and abrogates the antitumor effects of interleukin-2 and lymphokine-activated killer cells. Eggermont AM, et al. **Surgery** 1987 Jul;102(1):71–8

ANALYSIS

Differential expression of asialo GM1 on alloreactive cytotoxic T lymphocytes and lymphokine-activated killer cells. Ting CC, et al. **Cell Immunol** 1987 Jan;104(1):115–25

High activity of N-alpha-benzyloxycarbonyl-L-lysine thiobenzyl ester serine esterase and cytolytic perforin in cloned cell lines is not demonstrable in in-vivo-induced cytotoxic effector cells. Dennert G, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5004–8

CLASSIFICATION

Lymphokine-activated killer (LAK) cells. II. Delineation of distinct murine LAK-precursor subpopulations. Ballas ZK, et al. **J Immunol** 1987 Mar 1;138(5):1647–52

Human lymphokine-activated killer (LAK) cells: identification of two types of effector cells. Tilden AB, et al. **J Immunol** 1987 Feb 15;138(4):1068–73

CYTOLOGY

Long-term growth of lymphokine-activated killer (LAK) cells: role of anti-CD3, beta-IL 1, interferon-gamma and -beta. Ochoa AC, et al. **J Immunol** 1987 Apr 15; 138(8):2728–33

Generation of lymphokine-activated killer cell activity from human thymocytes. Ramsdell FJ, et al. **J Immunol** 1987 Sep 1;139(5):1446–53

Precursor phenotype of lymphokine-activated killer cells in the mouse. Salup RR, et al. **J Immunol** 1987 Jun 1; 138(11):3635–9

Both the precursors and the effectors of human lymphokine-activated killer (LAK) cells may belong to T lymphocytes. Mingari MC, et al. **Ric Clin Lab** 1986 Jul-Sep;16(3):437–41

The precursor cells of mouse lymphokine-activated killer (LAK) cells. Nishimura T, et al. **Thymus** 1987;9(3):131–9

DRUG EFFECTS

Cytotoxic cell function in bronchogenic carcinoma. Kratikanont P, et al. **Chest** 1987 Jul;92(1):90–4

Immunotherapy of murine sarcomas with interleukin 2. II.

Activation of killer cells by human recombinant IL-2. Indrová M, et al. **Folia Biol (Praha)** 1986;32(6):392–8

Lymphokine-activated killer (LAK) cells. I. Differential recovery of LAK, natural killer cells, and cytotoxic T lymphocytes after a sublethal dose of cyclophosphamide. Ballas ZK. **J Immunol** 1986 Oct 1;137(7):2380–4

Interleukin 2 induces human acute lymphocytic leukemia cells to manifest lymphokine-activated-killer (LAK) cytotoxicity. Kaufmann Y, et al. **J Immunol** 1987 Aug 1; 139(3):977–82

Protective effect(s) of rIL-2 modulation. I. The effects of chemotherapeutic/cytotoxic agents on human natural killer cells and lymphokine-activated killer cells. Ades EW, et al. **J Immunopharmacol** 1986;8(4):481–97

Characteristics of mouse thymocyte-derived, interleukin 2-activated killer cells and their precursors. Yagi H, et al. **Jpn J Cancer Res** 1987 Jul;78(7):721–8

Regressor serum factor-dependent nonspecific killers in tumor-bearing mice. Tanino T, et al. **Jpn J Exp Med** 1986 Aug;56(4):163–8

Inhibition of activation of lymphokine-activated killer cells in vitro by the heparin preservative benzyl alcohol [letter] Marincola FM, et al. **Lancet** 1987 Aug 15;2(8555):399

[Adoptive immunotherapy: a new therapeutic approach to cancer based on interleukin 2] Sculier JP, et al. **Rev Med Brux** 1987 Mar;8(3):133–9 (Eng. Abstr.) **(Fre)**

[The effects of xiao-chai-hu-tang (syosaiko-to) on lymphokine-activated killer (LAK) cell activity] Mizoguchi Y, et al. **Arerugi** 1986 Nov;35(11):1119–21 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Reduced intrathyroidal K-cell activity in Graves' disease. Bogner U, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987; 281:96–8

Impairment of T-cell control of Epstein–Barr virus infected B-cells in patients with adult T-cell leukemia. Katsuki T, et al. **AIDS Res** 1986 Dec;2 Suppl 1:S125–30

Interleukin-2 and killer T cells. Sticklin LA. **Am J Nurs** 1987 Apr;87(4):468–9

Natural killer cell activity and MMPI scores of a cohort of college students. Heisel JS, et al. **Am J Psychiatry** 1986 Nov;143(11):1382–6

The neuropsychiatric effects of treatment with interleukin-2 and lymphokine-activated killer cells. Denicoff KD, et al. **Ann Intern Med** 1987 Sep;107(3):293–300

Different E-rosetting properties of human peripheral blood NK- and K-cells. Jantscheff P, et al. **Arch Geschwulstforsch** 1986;56(5):335–9

Interleukin 2 and lymphokine-activated killer cells in the treatment of childhood primary hepatocellular carcinoma—a preliminary report. Hsieh KH, et al. **Asian Pac J Allergy Immunol** 1987 Jun;5(1):13–6

Human lymphokine-activated killer cells (LAK cells) as a potential immunotherapeutic modality. Grimm EA. **Biochim Biophys Acta** 1986 Dec 17;865(3):267–79 (63 ref.)

Hematologic effects of immunotherapy with lymphokine-activated killer cells and recombinant interleukin-2 in cancer patients. Ettinghausen SE, et al. **Blood** 1987 Jun;69(6):1654–60

Cytotoxicity of interleukin 2-activated lymphocytes for leukemia and lymphoma cells. Oshimi K, et al. **Blood** 1986 Oct;68(4):938–48

The requirements for successful immunotherapy of intraperitoneal cancer using interleukin-2 and lymphokine-activated killer cells. Ottow RT, et al. **Cancer** 1987 Oct 1;60(7):1465–73

Thyrocyte specific killer cell activity is decreased in patients with thyroid carcinoma. Sack J, et al. **Cancer** 1987 Jun 1;59(11):1914–7

The anti-tumour efficacy of human recombinant interleukin 2. Correlation between sensitivity of tumours to the cytolytic effect of LAK cells in vitro and their susceptibility to interleukin 2 immunotherapy in vivo. Bubeník J, et al. **Cancer Immunol Immunother** 1987; 24(3):269–71

Natural killer and antibody-dependent cellular cytotoxicity in cervical carcinoma patients. Satam MN, et al. **Cancer Immunol Immunother** 1986;23(1):56–9

Inhibition of in vitro LAK generation by OK-432. Yagita M, et al. **Cancer Immunol Immunother** 1986;23(3):207–13

Generation of lymphokine-activated killer cells in strain 2 guinea pigs and their use in the therapy of L2C, an acute B-cell leukemia. Gregg EO, et al. **Cancer Res** 1987 Feb 1;47(3):723–9

Antitumor efficacy of lymphokine-activated killer cells and recombinant interleukin 2 in vivo: successful immunotherapy of established pulmonary metastases from weakly immunogenic and nonimmunogenic murine tumors of three district histological types. Papa MZ, et al. **Cancer Res** 1986 Oct;46(10):4973–8

Effect of corticosteroid on the antitumor activity of lymphokine-activated killer cells and interleukin 2 in mice. Papa MZ, et al. **Cancer Res** 1986 Nov;46(11):5618–23

Separation and functional studies of the human lymphokine-activated killer cell. Roberts K, et al. **Cancer Res** 1987 Aug 15;47(16):4366–71

Effect of immunotherapy with allogeneic lymphokine-activated killer cells and recombinant interleukin 2 on established pulmonary and hepatic metastases in mice. Shiloni E, et al. **Cancer Res** 1986 Nov; 46(11):5633–40

Induction of lymphokine-activated killer cells by intrapleural instillations of recombinant interleukin-2 in patients with malignant pleurisy due to lung cancer. Yasumoto K, et al. **Cancer Res** 1987 Apr 15;47(8):2184–7

Induction of lymphokine-activated killer cells in strain 2 guinea pigs with human interleukin-2. Zwilling BS, et al. **Cancer Res** 1986 Nov;46(11):5667–70

Cloned "anomalous" killer cells derived from allogeneic mixed leukocyte culture. Benson EM, et al. **Cell Immunol** 1987 Jun;107(1):201–18

Characterization of the cellular basis for the inhibition of cytolytic effector cells by murine placenta. Clark DA, et al. **Cell Immunol** 1986 Oct 1;102(1):43–51

Lymphokine-activated killer cell and interleukin-2 inhibitors: their role in adoptive immunotherapy. Eggermont AM, et al. **Cell Immunol** 1987 Jul;107(2):384–94

The role of lymphokine-activated cell-associated antigen. III. Inhibition of T-cell activation by monoclonal killer-blocking antibody. Nishimura T, et al. **Cell Immunol** 1987 Jun;107(1):32–9

The role of lymphokine-activated cell-associated antigen. II. Distribution and correlation with cell cycle. Nishimura T, et al. **Cell Immunol** 1987 Jun;107(1):24–31

Immunotherapy of intraperitoneal cancer with interleukin 2 and lymphokine-activated killer cells reduces tumor load and prolongs survival in murine models. Ottow RT, et al. **Cell Immunol** 1987 Feb;104(2):366–76

Phenotypic characterization of murine lymphokine-activated killer cells. Owen-Schaub LB, et al. **Cell Immunol** 1986 Dec;103(2):272–86

Inverse relationship in H-2-associated lysis between NK cells and rIL-2-activated killer cells: evidence from in vitro killing and metastatic experiments. Toshitani A, et al. **Cell Immunol** 1987 Aug;108(1):188–202

Cloned human cytotoxic T lymphocytes develop anomalous killer cell function. Burns GF, et al. **Clin Exp Immunol** 1986 Dec;66(3):558–65

Ultrastructure of antibody dependent cellular cytotoxicity in HSV 1 infected and uninfected Chang liver cells. Kournikakis B, et al. **Cytobios** 1986;47(189):73–84

Natural killer cell activity and autologous mixed lymphocyte response of splenic, mesenteric lymph node, and colonic lymphocytes during DMH-induced colon carcinogenesis in the rat. Locniskar M, et al. **Dig Dis Sci** 1987 Jul; 32(7):747–52

T cell nature of some lymphokine-activated killer (LAK) cells. Frequency analysis of LAK precursors within human T cell populations and clonal analysis of LAK effector cells. Moretta L, et al. **Eur J Immunol** 1986 Dec; 16(12):1623–5

Human mucosal cytotoxic effector cells. Shanahan F, et al. **Gastroenterology** 1987 Jun;92(6):1951–7

Immunotherapy for cancer: the use of lymphokine activated killer (LAK) cells. Fagan EA, et al. **Gut** 1987 Feb; 28(2):113–6 (27 ref.)

Lysis of primary hepatic tumours by lymphokine activated killer cells. Hsieh KH, et al. **Gut** 1987 Feb;28(2):117–24

Decreased killer cell activity in preeclampsia. Siklós P, et al. **Gynecol Obstet Invest** 1987;23(2):84–8

Functionally involved cell surface antigens on murine lymphokine activated killer cells. Belfrage H, et al. **Immunol Lett** 1987 Apr;14(4):293–8

Recombinant interleukin-2 inhibits growth of human tumor xenografts in congenitally athymic mice. Bubeník J, et al. **Immunol Lett** 1987 Apr;14(4):325–30

Suppression of pulmonary tumour metastasis in mice by recombinant human interleukin-2: role of asialo GM1-positive cells. Hinuma S, et al. **Immunology** 1987 Feb; 60(2):173–9

Natural killer cell & killer cell activities & circulating immune complexes in patients with breast cancer. Seth P, et al. **Indian J Med Res** 1987 Apr;85:404–14

Cooperative action of complement component C3 and phagocytic effector cells in innate murine resistance to Trypanosoma lewisi. Desai BB, et al. **Infect Immun** 1987 Feb;55(2):358–63

Glycoproteic nature of surface molecules of effector cells with lymphokine-activated killer (LAK) activity. Evidence that T11, T8 or T3 molecules are not involved in tumor-cell lysis by LAK effector T cells. Bagnasco M, et al. **Int J Cancer** 1987 Jun 15;39(6):703–7

Surface markers of human lymphokine-activated killer cells and their precursors. Analysis at the population and clonal level. Ferrini S, et al. **Int J Cancer** 1987 Jan 15;39(1):18–24

Generation of activated killer cells in tumor-bearing hosts. Ting CC, et al. **Int J Cancer** 1987 Feb 15;39(2):232–9

Augmentation of lymphokine-activated killer cell activity in vitro by aloctin A. Imanishi K, et al. **Int J Immunopharmacol** 1986;8(8):855–8

Monoclonal antibody Leo Mel 3, which inhibits killing of human melanoma cells by anomalous killer cells, binds to a sugar sequence in GD2 (II3(NeuAc)2–GgOse3Cer) and several other gangliosides. Fukuta S, et al. **J Biol Chem** 1987 Apr 5;262(10):4800–3

Inhibitory effects of alloimmune T cells on the generation of cytolytic responses of lymphokine-activated killer cells. Sugarbaker PH, et al. **J Biol Response Mod** 1987 Aug; 6(4):430–45

T-cell surface molecules involved in the induction and expression of lymphokine-activated killing of autologous and allogeneic tumor targets. Nashed AL, et al. **J Clin Immunol** 1987 Jul;7(4):288–93

Activated killer cell activity in lymph nodes. Akiyoshi T, et al. **J Clin Lab Immunol** 1987 Feb;22(2):91–5

Correlation of stress factors with sustained depression of natural killer cell activity and predicted prognosis in patients with breast cancer. Levy S, et al. **J Clin Oncol** 1987 Mar;5(3):348–53

Stress factors and breast cancer outcome [editorial] Talmadge JE, et al. **J Clin Oncol** 1987 Mar;5(3):333–4

Reduction of toxicity of interleukin-2 and lymphokine-activated killer cells in humans by the administration of corticosteroids. Vetto JT, et al. **J Clin Oncol** 1987 Mar;5(3):496–503

Interleukin 4 (B cell stimulatory factor 1) can mediate the induction of lymphokine-activated killer cell activity directed against fresh tumor cells. Mulé JJ, et al. **J Exp Med** 1987 Sep 1;166(3):792–7

Radiation-induced, immunologically mediated regression of an established tumor as an example of successful therapeutic immunomanipulation. Preferential elimination of suppressor T cells allows sustained production of effector T cells. North RJ. **J Exp Med** 1986 Nov 1;164(5):1652–66

Lymphokine-activated killer cells. Analysis of progenitors and effectors. Ortaldo JR, et al. **J Exp Med** 1986 Oct 1; 164(4):1193–205

A novel 120-kD surface antigen expressed by a subset of human lymphocytes. Evidence that lymphokine-activated killer cells express this molecule and use it in their effector function. Zocchi MR, et al. **J Exp Med** 1987 Aug 1; 166(2):319–26

Influence of HBV replication and delta agent superinfection on T cell subsets and killer (Leu 7+) in chronic hepatitis B virus infection. Ercilla MG, et al. **J Hepatol** 1986; 3(3):378–83

Apparent sensitivity of human K lymphocytes to the spatial orientation and organization of target cell–bound antibodies as measured by the efficiency of antibody-dependent cellular cytotoxicity (ADCC). Christiaansen JE, et al. **J Immunol** 1987 Apr 1;138(7):2236–43

Interleukin 2-activated human killer cells are derived from phenotypically heterogeneous precursors. Damle NK, et al. **J Immunol** 1986 Nov 1;137(9):2814–22

Phenotypic and functional characterization of recombinant interleukin 2 (rIL 2)-induced activated killer cells: analysis at the population and clonal levels. Ferrini S, et al. **J Immunol** 1987 Feb 15;138(4):1297–302

Analysis of the murine lymphokine-activated killer (LAK) cell phenomenon: dissection of effectors and progenitors into NK- and T-like cells. Kalland T, et al. **J Immunol** 1987 Jun 1;138(11):3640–5

Mechanism of defective NK cell activity in patients with acquired immunodeficiency syndrome (AIDS) and AIDS-related complex. II. Normal antibody-dependent cellular cytotoxicity (ADCC) mediated by effector cells defective in natural killer (NK) cytotoxicity. Katz JD, et al. **J Immunol** 1987 Jul 1;139(1):55–60

Analysis of effector cells in human antibody-dependent cellular cytotoxicity with murine monoclonal antibodies. Ortaldo JR, et al. **J Immunol** 1987 May 15;138(10):3566–72

Antibody-dependent cellular cytotoxicity mediated by murine lymphocytes activated in recombinant interleukin 2. Shiloni E, et al. **J Immunol** 1987 Mar 15;138(6):1992–8

Effects of human alveolar macrophages on the induction of lymphokine (IL 2)-activated killer cells. Sone S, et al. **J Immunol** 1987 Jul 1;139(1):29–34

Eradication of disseminated murine leukemia by treatment with high-dose interleukin 2. Thompson JA, et al. **J Immunol** 1986 Dec 1;137(11):3675–80

Optimal methods for generating expanded lymphokine activated killer cells capable of reducing established murine tumors in vivo. Lafreniere R, et al. **J Immunol Methods** 1986 Nov 20;94(1–2):37–49

Development of an automated closed system for generation of human lymphokine-activated killer (LAK) cells for use in adoptive immunotherapy. Muul LM, et al. **J Immunol Methods** 1987 Aug 3;101(2):171–81

An improved method for the generation of human lymphokine activated killer cells. Yannelli JR, et al. **J Immunol Methods** 1987 Jun 26;100(1–2):137–45

K cell activity of human palatine tonsillar lymphocytes increased by indomethacin. Bowman BU Jr. **J Med Clin Exp Theor** 1986;17(3–4):167–77

Lymphokine activated killer (LAK) cell mediated killing of human glioma: effect of pretreating glioma with various membrane modifying agents. Jacobs SK, et al. **J Neurooncol** 1987;5(1):5–10

Impaired natural killer cell activity in iron-deficient rat pups. Sherman AR, et al. **J Nutr** 1987 Mar;117(3):567–71

Identification and expansion of human lymphokine-activated killer cells: implications for the immunotherapy of cancer. Skibber JM, et al. **J Surg Res** 1987 Jun;42(6):613–21

Killer-helper effect of L cells in the generation of anti-MM cytotoxic T lymphocytes: replacement by beta-interferon and mechanisms of action. Ishikawa S, et al. **Jpn J Cancer Res** 1986 Sep;77(9):931–40

Changes in some cellular immune parameters following exercise training [letter] Mackinnon LT. **Med Sci Sports Exerc** 1986 Oct;18(5):596–7

Modification of the T, K and NK cell population in experimental infection of mice with Aspergillus niger. Romano Carratelli C, et al. **Microbiologica** 1986 Oct; 9(4):461–9

Binding characteristics and isotype specificity of Fc receptors

on K cells. Gergely J, et al. **Mol Immunol** 1986 Nov; 23(11):1203–9

Contribution of activated C3 to lymphocyte-mediated cytolysis. Klein E, et al. **Mol Immunol** 1986 Nov; 23(11):1257–62

Treatment of cancer with lymphokine-activated killer cells and interleukin-2 [letter] **N Engl J Med** 1987 Oct 8; 317(15):961–3

Immunotherapy of cancer: the end of the beginning? [editorial] Durant JR. **N Engl J Med** 1987 Apr 9; 316(15):939–41

A progress report on the treatment of 157 patients with advanced cancer using lymphokine-activated killer cells and interleukin-2 or high-dose interleukin-2 alone. Rosenberg SA, et al. **N Engl J Med** 1987 Apr 9; 316(15):889–97

Interleukin-2- and mitogen-activated NK-like killer cells from highly purified human peripheral blood T cell (CD3+ N901-) cultures. Atzpodien J, et al. **Nat Immun Cell Growth Regul** 1987;6(3):129–40

Reassessment of LAK phenomenology: a review. Lotzová E, et al. **Nat Immun Cell Growth Regul** 1987;6(3):109–15 (43 ref.)

Antitumor efficacy of recombinant interleukin 2-activated killer cells against endometrial cancers. Inoue M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan;39(1):143–4

Comparison of natural killer and natural cytotoxic cells: characteristics, regulation, and mechanism of action. Ortaldo JR. **Pathol Immunopathol Res** 1986;5(3–5):203–18 (67 ref.)

Lymphokine-activated killer cells targeted by monoclonal antibodies to the disialogangliosides GD2 and GD3 specifically lyse human tumor cells of neuroectodermal origin. Honsik CJ, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7893–7

The relative resistance of lymphokine activated killer cells to suppression by prostaglandins and glucocorticoids. Imir T, et al. **Prostaglandins Leukotrienes Med** 1987 Jul; 28(2):111–8

Lymphokine-activated killer (LAK) cells can be focused at sites of tumor growth by products of macrophage activation. Migliori RJ, et al. **Surgery** 1987 Aug; 102(2):155–62

Region E1a of highly oncogenic adenovirus 12 in transformed cells protects against NK but not LAK cytolysis. Kenyon DJ, et al. **Virology** 1986 Dec; 155(2):644–54

Lymphocyte killer activity in individuals sensitized against antigen-D assessed by direct ADCC lysis of O,Rh-positive erythrocytes. Sándor J, et al. **Vox Sang** 1986;51(4):310–3

[Clinicopathogenetic significance of K and NK blood lymphocytes in psoriasis] Mashkilleysson AL, et al. **Z Hautkr** 1986 Dec 15;61(24):1801–3 (Eng. Abstr.) **(Ger)**

[The characteristics of the activated killer cells (AK) induced in vitro with recombinant IL-2 (rIL-2)] Iwahashi T, et al. **Arerugi** 1986 Oct;35(10):1047–55 (Eng. Abstr.) **(Jpn)**

[Lymphokine-activated killer (LAK) adoptive immunotherapy: optimal method for large-scale LAK induction] Nii A, et al. **Gan To Kagaku Ryoho** 1987 Jun; 14(6 Pt 1):1871–6 (Eng. Abstr.) **(Jpn)**

[A case of pericarditis carcinomatosa showing good response following local transfer of lymphokine-activated killer (LAK) cells] Ueno Y, et al. **Gan To Kagaku Ryoho** 1987 Aug;14(8):2579–82 (Eng. Abstr.) **(Jpn)**

[The antitumor efficacy of lymphokine-activated killer (LAK) cells and gamma interferon production induced in vitro from peripheral blood lymphocytes of patients with malignant gliomas] Shimizu K, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 May 20;21(4):760–6 (Eng. Abstr.) **(Jpn)**

[Studies of immunotherapy of malignant urogenital tumors: 2nd report. Changes in the K-cell population of the peripheral blood in patients with malignant tumors and the significance of antibody dependent cell-mediated cytotoxicity (ADCC) in OK-432 immunotherapy] Fujioka T, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Jan; 78(1):29–38 (Eng. Abstr.) **(Jpn)**

[Enhancement of LAK activity with recombinant gamma-IFN in patients with hepatocellular carcinoma] Matsuura Y. **Nippon Shokakibyo Gakkai Zasshi** 1987 May; 84(5):1140 **(Jpn)**

[The effect of LAK cells on experimental peritonitis carcinomatosa] Nojiri S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jun;83(6):1233 **(Jpn)**

[Changes in lymphokine-activated killer cell (LAK) activity in patients with hepatocellular carcinoma after transcatheter arterial embolization] Sakagami Y. **Nippon Shokakibyo Gakkai Zasshi** 1986 Dec;83(12):2638 **(Jpn)**

[Activity of T, NK and K lymphocytes in two immunodeficiency syndromes] Olinescu A, et al. **Rev Med Interna [Med Interna]** 1987 Mar-Apr;39(2):185–92 **(Rum)**

[Effect of microbial sensitization and delayed-type hypersensitivity reaction on interleukin-1 production and the generation of monocyte and natural killer cytotoxicity] Gordienko SM. **Biull Eksp Biol Med** 1986 Sep;102(9):324–7 (Eng. Abstr.) **(Rus)**

[Effect of a delayed type hypersensitivity reaction on the cytotoxic activity of macrophages, natural and antibody-dependent killer cells] Gordienko SM. **Eksp Onkol** 1987;9(1):30–4 (Eng. Abstr.) **(Rus)**

[In vivo induction of cytotoxic T lymphocytes in H-2Kbm mutant mice and cross-reactivity of narrowly specific killer clones] Kan ES, et al. **Genetika** 1987 Jan;23(1):45–54 (Eng. Abstr.) **(Rus)**

[The role of major histocompatibility complex genes in the reaction of macrophages and thymocytes during induction of T-effectors of the graft vs host reaction. III. Effect of antisera against H-2 complex antigens on the realization of the process] Lutsan NI, et al. **Genetika** 1987 Mar; 23(3):449–55 (Eng. Abstr.) **(Rus)**

METABOLISM

Generation of lymphokine-activated killer cells does not require DNA synthesis. Malkovský M, et al. **Immunology** 1987 Mar;60(3):471–3

PHYSIOLOGY

Leu 7+, Leu 11a- acute T-lymphoblastic leukemia having low K cell activity and no NK cell activity. Falcão RP, et al. **Am J Hematol** 1987 Jan;24(1):101–5

Is there evidence for transfer of materials from the killer cell to the target requisite for target cell lysis? Hiserodt JC, et al. **Ann Inst Pasteur Immunol** 1987 Mar-Apr; 138(2):324–7

[Interstrain differences in cellular glucocorticoid reception in mice and the degree of suppression of normal killer activity during immobilization stress] Liashko VN, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):273–6 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Early inhibition of natural and interferon-activated killers in endometrial cancer patients treated with local radiotherapy. Mandeville R, et al. **Cancer Detect Prev** 1987; 10(1-2):129–39

TRANSPLANTATION

Severe hypovitaminosis C occurring as the result of adoptive immunotherapy with high-dose interleukin 2 and lymphokine-activated killer cells. Marcus SL, et al. **Cancer Res** 1987 Aug 1;47(15):4208–12

Antimetastatic activity of lymphokine-activated killer cells to rat fibrosarcoma (WBT-2M) and rat mammary carcinoma (SST-2). Ba DN, et al. **Chin Med J [Engl]** 1987 Jan;100(1):2–7

Results of clinical trials with the administration of interleukin 2 and adoptive immunotherapy with activated cells in patients with cancer. Lotze MT, et al. **Immunobiology** 1986 Sep;172(3–5):420–37

Adoptive immunotherapy of human meningeal gliomatosis and carcinomatosis with LAK cells and recombinant interleukin-2. Shimizu K, et al. **J Neurosurg** 1987 Apr; 66(4):519–21

[Antimetastasis effect of lymphokine-activated killer (LAK) cells on fibrosarcoma in WKA rats] Wang ZH, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Nov;8(6):421–3 (Eng. Abstr.) **(Chi)**

[Adoptive immunotherapy of malignant diseases using normal allogeneic LAK cells] Kimoto Y, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1884–9 (Eng. Abstr.) **(Jpn)**

[Adoptive immunotherapy of malignant diseases with LAK cells] Kimoto Y, et al. **Gan To Kagaku Ryoho** 1987 Mar; 14(3 Pt 1):687–92 (Eng. Abstr.) **(Jpn)**

[Transfer of interleukin 2-activated lymphocytes] Kohgo Y. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2127–34 (Eng. Abstr.) **(Jpn)**

[Adoptive immunotherapy of cancer patients with lymphokine-activated killer cells] Taguchi T, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):914–21 (Eng. Abstr.) **(Jpn)**

[LAK cells and cancer] Taguchi T, et al. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3327–33 (22 ref.) (Eng. Abstr.) **(Jpn)**

[Experimental studies on the treatment of recurrent gliomas] Yamada M, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1890–5 (Eng. Abstr.) **(Jpn)**

[Adoptive immunotherapy in patients with malignant glioma] Yoshida S, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1930–2 (Eng. Abstr.) **(Jpn)**

[Induction of tumoricidal effectors from the tumor-bearer's splenocytes and the prospects of their utilization for adoptive immunotherapy] Takagi H, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 May 20;21(4):721–7 (Eng. Abstr.) **(Jpn)**

[Experimental approach to immunotherapy in head and neck malignant tumors--antitumor efficacy by lymphokine activated human peripheral blood lymphocytes] Takeda T. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Jun;89(6):744–53 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Direct ultrastructural evidence of target-directed polarization by cytotoxic lymphocytes in lesions of human graft-vs-host disease. Sale GE, et al. **Arch Pathol Lab Med** 1987 Apr;111(4):333–6

Lysosome rich cells contain the lytic activity of lymphokine-activated killer cell populations. Agah R, et al. **Cancer Immunol Immunother** 1987;24(3):247–52

KILLER CELLS, NATURAL

see related

CYTOTOXICITY, IMMUNOLOGIC

T-cell subsets and natural killer cell function with squamous cell carcinoma of the head and neck. Strome M, et al. **Arch Otolaryngol Head Neck Surg** 1987 Oct;113(10):1090–3

NK cell density in malignant skin tumours--a stereological study. Smolle J, et al. **Br J Dermatol** 1987 Jun;116(6):823–9

In situ demonstration of natural killer (NK) cells in human gingival tissue. Wynne SE, et al. **J Periodontol** 1986 Nov; 57(11):699–702

Fine analysis of cytolytic and natural killer T lymphocytes in the CSF in multiple sclerosis and other neurologic diseases. Weber WE, et al. **Neurology** 1987 Mar; 37(3):419–25

Natural killer cells and tumor immunity: 1985. Herberman RB. **Year Immunol** 1986;2:254–60 (22 ref.)

ANALYSIS

Identification and characterization of a pore-forming protein of human peripheral blood natural killer cells. Liu CC, et al. **J Exp Med** 1986 Dec 1;164(6):2061–76

Co-sedimentation of chondroitin sulfate A glycosaminoglycans and proteoglycans with the cytolytic secretory granules of rat large granular lymphocyte (LGL) tumor cells, and identification of a mRNA in normal and transformed LGL that encodes proteoglycans. Stevens RL, et al. **J Immunol** 1987 Aug 1;139(3):863–8

Shared carbohydrate antigenic determinant between the myelin-associated glycoprotein (MAG) and lung cancers. An immunohistochemical study by an anti-MAG IgM monoclonal antibody. Hozumi I, et al. **J Neuroimmunol** 1987 Jun;15(2):147–57

High activity of N-alpha-benzyloxycarbonyl-L-lysine thiobenzyl ester serine esterase and cytolytic perforin in cloned cell lines is not demonstrable in in-vivo-induced cytotoxic effector cells. Dennert G, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5004–8

CLASSIFICATION

Mollaret's meningitis: a case with increased circulating natural killer cells. Goldstein R, et al. **Ann Neurol** 1986 Sep;20(3):359–61

Morphometric characterization of NK cell subset expressing the Leu-11 antigen in comparison to Leu-7 positive, 11 negative cells. Arancia G, et al. **Cell Biol Int Rep** 1986 Nov;10(11):845–53

Functional and phenotypical differences in NK cell subpopulations. Two color analysis of surface antigens on murine splenic NK cells by FACS. Shimoda K, et al. **Fukuoka Igaku Zasshi** 1986 Nov;77(11):575–83

Natural killer cells: definition of a cell type rather than a function [published errata appear in J Immunol 1987 Feb 1;138(3):996 and 1987 Apr 15;138(8):2745] Lanier LL, et al. **J Immunol** 1986 Nov 1;137(9):2735–9

Natural killer activity: definition of a function rather than a cell type [letter] Ortaldo JR, et al. **J Immunol** 1987 Jun 15;138(12):4545–6

Lysis of tumor cells by CD3+4-8-16+ T cell receptor alpha beta- clones, regulated via CD3 and CD16 activation sites, recombinant interleukin 2, and interferon beta 1. van de Griend RJ, et al. **J Immunol** 1987 Mar 1;138(5):1627–33

Functional analysis of cloned germinal center CD4+ cells with natural killer cell-related features. Divergence from typical T helper cells. Velardi A, et al. **J Immunol** 1986 Nov 1;137(9):2808–13

Re.: The analysis of natural killer cell subpopulations by a double marker method [letter] Utsunomiya A, et al. **J Immunol Methods** 1987 Apr 16;98(2):283–4

Separation of human natural killer cell subpopulations differentially responsive to interferon potentiation. Edwards BS, et al. **J Interferon Res** 1986 Aug;6(4):361–72

Natural killer cell subsets in long-term renal allograft recipients. A phenotypic and functional study. Legendre CM, et al. **Transplantation** 1986 Oct;42(4):347–52

[T-4, T-8 and NK lymphocyte subpopulations in patients with ankylosing spondylitis] Sánchez Bursón JM, et al. **Rev Clin Esp** 1987 Feb;180(2):74–6 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Heterogeneity of large granular lymphocyte proliferations: delineation of two major subtypes. Chan WC, et al. **Blood** 1986 Nov;68(5):1142–53

Induction of NK activity in large granular lymphocyte leukemia: activation with anti-CD3 monoclonal antibody and interleukin 2. Loughran TP Jr, et al. **Blood** 1987 Jan; 69(1):72–8

Distribution of anti-Leu-7, anti-Leu-11a and anti-Leu-M1 immunoreactivity in the brain of the adult rat. Reifenberger G, et al. **Cell Tissue Res** 1987 May;248(2):305–13

Volume regulation of natural killer cells under hypotonic stress: comparison with T and B cell subpopulations. Rusthoven JJ, et al. **Immunol Lett** 1986 Oct;13(4):203–7

Phenotypic and functional characterization of lymphocytes that bind human microvascular endothelial cells in vitro. Evidence for preferential binding of natural killer cells. Bender JR, et al. **J Clin Invest** 1987 Jun;79(6):1679–88

Interleukin 3 is a major negative regulator of the generation

of natural killer cells from bone marrow precursors. Kalland T. **J Immunol** 1986 Oct 1;137(7):2268–71
Defective differentiation of natural killer cells in SJL mice. Role of the thymus. Kaminsky SG, et al. **J Immunol** 1987 Feb 15;138(4):1020–5
Role of interleukin 2 (IL 2) and hemopoietin-1 (H-1) in the generation of mouse natural killer (NK) cells from primitive bone marrow precursors. Migliorati G, et al. **J Immunol** 1987 Jun 1;138(11):3618–25
Precursor phenotype of lymphokine-activated killer cells in the mouse. Salup RR, et al. **J Immunol** 1987 Jun 1; 138(11):3635–9
Medullasin stimulates the maturation of natural killer cells from human large granular lymphocytes. Aoki Y. **Jpn J Cancer Res** 1987 Jan;78(1):74–9
Inhibition of human natural killer activity by monolayers of primary cell cultures. Heiskala M, et al. **Nat Immun Cell Growth Regul** 1987;6(1):1–11

DRUG EFFECTS

The action of calcium antagonists in the human natural killer cell–mediated cytotoxicity. Waschke K, et al. **Allerg Immunol (Leipz)** 1987;33(1):27–34
Restoration of impaired natural killer cell activity of B-chronic lymphocytic leukemia patients by recombinant interleukin-2. Kay NE, et al. **Am J Hematol** 1987 Feb; 24(2):161–7
Effect of retinoids on natural killer cell activity. Pigatto PD, et al. **Arch Dermatol Res** 1986;278(6):507–9
Differential effect of hemodialysis membranes on human lymphocyte natural killer function. Kay NE, et al. **Artif Organs** 1987 Apr;11(2):165–7
Fluctuations of NK activity in human volunteers receiving vitamin A or a placebo daily. Jemma C, et al. **Boll Ist Sieroter Milan** 1986;65(5):386–93
Natural killer cells and cytotoxic T lymphocytes activities can be differentiated by their different sensitivities to pituitary hormones in vitro (LH, FSH, ACTH, GH). Deschaux P, et al. **Boll Soc Ital Biol Sper** 1986 Jun 30; 62(6):763–70
The effect of adjuvant cyclophosphamide or tamoxifen on the numbers of lymphocytes bearing T cell or NK cell markers. Sheard CR, et al. **Br J Cancer** 1986 Oct; 54(4):705–9
Mechanism of NK activation by OK-432 (Streptococcus pyogenes). I. Spontaneous release of NKCF and augmentation of NKCF production following stimulation with NK target cells. Bonavida B, et al. **Cell Immunol** 1986 Oct 1;102(1):126–35
Effect of in vivo administration of prostaglandins and interferon on natural killer activity and on B-16 melanoma growth in mice. Garaci E, et al. **Cell Immunol** 1987 Apr 15;106(1):43–52
Similarities and distinctions between murine natural killer cells and lymphokine-activated killer cells. Merluzzi VJ, et al. **Cell Immunol** 1986 Jul;100(2):563–9
Induction of T-cell proliferation and enhancement of NK activity by supernatants from Con A–stimulated human peripheral blood mononuclear cells: a new lymphokine. Rosloniec EF Jr, et al. **Cell Immunol** 1986 Apr 15; 99(1):170–81
Ultradian chronomodulation by melatonin of a Placebo effect upon human killer cell activity. Lissoni P, et al. **Chronobiologia** 1986 Oct-Dec;13(4):339–43
The in vivo effect of triethylphosphine gold (auranofin), sodium aurothiomalate and azathioprine on natural killer cell activity of patients with rheumatoid arthritis. Abom B, et al. **Clin Exp Rheumatol** 1987 Jan-Mar;5(1):47–52
In vivo effects of chloroquine treatment on spontaneous and interferon-induced natural killer activities in rheumatoid arthritis patients. Ausiello CM, et al. **Clin Exp Rheumatol** 1986 Jul-Sep;4(3):255–9
Characterization of the in vitro effect of triethylphosphine gold (auranofin) on human NK cell activity. Pedersen BK, et al. **Clin Exp Rheumatol** 1986 Jul-Sep;4(3):249–53
Natural killer response to exogenous interferon in delta hepatitis: boost or depression defined within the first week of therapy. Actis GC, et al. **Digestion** 1987;37(1):51–8
Effects of in vitro asbestos exposure on natural killer and antibody-dependent cellular cytotoxicity. Barbers RG, et al. **Environ Res** 1987 Jun;43(1):217–26
Effects of NiCl2 and CdCl2 on susceptibility to murine cytomegalovirus and virus-augmented natural killer cell and interferon responses. Daniels MJ, et al. **Fundam Appl Toxicol** 1987 May;8(4):443–53
Effects of methimazole on human lymphocyte proliferation and natural killer cell activity. Sharma BS, et al. **Gen Pharmacol** 1987;18(4):449–53
Natural killer cell function in cancer patients treated with natural leukocyte interferon-alpha [corrected and republished article originally printed in Hawaii Med J 1986 Aug;45(8):276–8, 291; additional published erratum appears in Hawaii Med J 1987 Mar;46(3):79] Ching C, et al. **Hawaii Med J** 1986 Nov;45(11):394–8, 408
Effects of cyclosporin A on the activity of mouse natural killer cells and hybrid resistance. Wachowiak J. **Immunol Lett** 1986 Aug;13(1–2):95–9
Cyclophosphamide-induced eosinophilia in the rat: concomitant changes in T-cell subsets, B cells and large granular lymphocytes within lymphoid tissues. Thomson AW, et al. **Immunology** 1987 Mar;60(3):383–8
Inhibition of human natural killer cell activity by ethanol in vitro. Saxena QB, et al. **Indian J Exp Biol** 1986 Sep; 24(9):561–4
Generation of mouse natural killer (NK) cell activity: effect of interleukin-2 (IL-2) and interferon (IFN) on the in vivo development of natural killer cells from bone marrow (BM) progenitor cells. Riccardi C, et al. **Int J Cancer** 1986 Oct 15;38(4):553–62
Reversible inhibition of lymphokine-activated killer cell activity by lipoxygenase-pathway inhibitors. Sibbitt WL Jr, et al. **Int J Cancer** 1986 Oct 15;38(4):517–21
Specific inhibition of human natural killer cell–mediated cytotoxicity by sialic acid and sialo-oligosaccharides. Van Rinsum J, et al. **Int J Cancer** 1986 Dec 15;38(6):915–22
Effect of cianidanol on natural killer cell activity in patients with chronic B virus hepatitis. Pér A, et al. **Int J Clin Pharmacol Res** 1987;7(4):301–6
In vivo effect of isoprinosine on interleukin-2 production, lymphocyte mitogenesis and NK activity in normal and cyclophosphamide immunosuppressed mice. Barasoain I, et al. **Int J Immunopharmacol** 1986;8(5):509–15
Mediation of human NK-activity by components in extracts of Viscum album. Hamprecht K, et al. **Int J Immunopharmacol** 1987;9(2):199–209
The effect of Biostim (RU 41.740) on natural killer activity in different mouse organs. Sozzani S, et al. **Int J Immunopharmacol** 1986;8(8):845–53
Marijuana effects on immunity: suppression of human natural killer cell activity of delta-9-tetrahydrocannabinol. Specter SC, et al. **Int J Immunopharmacol** 1986;8(7):741–5
The influence of 7,12-dimethylbenzanthracene on natural killer (NK) cell function in rats. Kimber I, et al. **J Clin Lab Immunol** 1986 Aug;20(4):193–8
Lymphokine-activated killer (LAK) cells. I. Differential recovery of LAK, natural killer cells, and cytotoxic T lymphocytes after a sublethal dose of cyclophosphamide. Ballas ZK. **J Immunol** 1986 Oct 1;137(7):2380–4
Inhibition of human natural killer cell activity by a synthetic peptide homologous to a conserved region in the retroviral protein, p15E. Harris DT, et al. **J Immunol** 1987 Feb 1; 138(3):889–94
Induction of proliferation in vitro of resting human natural killer cells: IL 2 induces into cell cycle most peripheral blood NK cells, but only a minor subset of low density T cells. London L, et al. **J Immunol** 1986 Dec 15; 137(12):3845–54
Induction of NK cell activity against fresh human leukemia in culture with interleukin 2. Lotzová E, et al. **J Immunol** 1987 Apr 15;138(8):2718–27
Inhibition of human natural killer (NK) activity by calcium channel modulators and a calmodulin antagonist. Solovera JJ, et al. **J Immunol** 1987 Aug 1;139(3):876–80
Protective effect(s) of rIL-2 modulation. I. The effects of chemotherapeutic/cytotoxic agents on human natural killer cells and lymphokine-activated killer cells. Ades EW, et al. **J Immunopharmacol** 1986;8(4):481–97
Induction of interferon production by natural killer cells by organogermanium compound, Ge132. Munakata T, et al. **J Interferon Res** 1987 Feb;7(1):69–76
Cimetidine modulates natural killer cell function of patients with chronic lymphocytic leukemia. Allen JI, et al. **J Lab Clin Med** 1987 Apr;109(4):396–401
Detrimental effect of propylene glycol on natural killer cell and neutrophil function. Denning DW, et al. **J Pharm Pharmacol** 1987 Mar;39(3):236–8
Inhibition of natural killer cell function by marijuana components. Klein TW, et al. **J Toxicol Environ Health** 1987;20(4):321–32
In vitro augmentation of natural killer cell activity by manganese chloride. Smialowicz RJ, et al. **J Toxicol Environ Health** 1986;19(2):243–54
Effects of manganese, calcium, magnesium, and zinc on nickel-induced suppression of murine natural killer cell activity. Smialowicz RJ, et al. **J Toxicol Environ Health** 1987;20(1–2):67–80
Inhibition of rat natural killer cell function by carcinogenic nickel compounds: preventive action of manganese. Judde JG, et al. **JNCI** 1987 Jun;78(6):1185–90
The mechanism of activation of human natural killer cells by medullasin. Aoki Y. **Jpn J Cancer Res** 1986 Oct; 77(10):1018–26
Induction of lymphokine-activated killer activities in peripheral blood lymphocytes and regional lymph node lymphocytes against PC-9 cultured adenocarcinoma and autologous pulmonary adenocarcinoma cells. Morikawa Y, et al. **Jpn J Clin Oncol** 1987 Jun;17(2):129–39
Recombinant interferon alpha 2 stimulation of target-binding by natural killer cells. Heidemann E, et al. **Klin Wochenschr** 1986 Oct 15;64(20):1036–40
Natural killer (NK) cell activity and its in vitro response to interferon-alpha(Le) in chronic liver diseases and hepatocellular carcinoma. Hirai N, et al. **Liver** 1986 Aug; 6(4):212–20
Neuroimmunomodulation with enkephalins: in vitro enhancement of natural killer cell activity in peripheral blood lymphocytes from cancer patients. Faith RE, et al. **Nat Immun Cell Growth Regul** 1987;6(2):88–98
Interferon and butyrate treatment leads to a decreased sensitivity of NK target cells to lysis by homologous but not by heterologous effector cells. Laskay T, et al. **Nat Immun Cell Growth Regul** 1986;5(4):211–20
Modulation of natural killer activity by muramyl peptides: relationship with adjuvant and anti-infectious properties. Le Garrec Y, et al. **Nat Immun Cell Growth Regul** 1987; 6(2):65–76
Isoprinosine enhances PHA responses and has potential effect on natural killer cell (NK) activity of uremic patients in vitro. Silvennoinen-Kassinen S, et al. **Nephron** 1987; 46(3):243–6
Enhancement of natural killer–cell activity in young and old mice treated with cyclophosphamide on a circadian basis. Sandberg LE, et al. **Prog Clin Biol Res** 1987;227A:411–9
Influence of desmethylimipramine on natural killer cell activity. Miller AH, et al. **Psychiatry Res** 1986 Sep; 19(1):9–15
Effects of phenytoin and carbamazepine on human natural killer cell activity and genotoxicity in vitro. Margaretten NC, et al. **Toxicol Appl Pharmacol** 1987 Jan;87(1):10–7
The effects of nickel on immune function in the rat. Smialowicz RJ, et al. **Toxicology** 1987 Jun;44(3):271–81
[Effect of chemotherapy on natural killer (NK) activity and antibody-dependent cell-mediated cytotoxicity (ADCC) in carcinoma of the lung and metastatic pulmonary tumor] Shibuya M. **Nippon Ika Daigaku Zasshi** 1987 Feb; 54(1):40–53 (Eng. Abstr.) **(Jpn)**
[Effects of neonatal androgenization on endometrial carcinogenesis and natural killer (NK) activity] Morikawa S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Nov; 38(11):1957–63 (Eng. Abstr.) **(Jpn)**
[Effect of the synthetic preparation B 58 on the activity of natural killer and cytostatic cells of the mouse spleen] Malaltsev VV, et al. **Biull Eksp Biol Med** 1987 Jun; 103(6):697–9 (Eng. Abstr.) **(Rus)**
[The serial cell dilution principle in evaluating the action of immunocorrective preparations in vitro] Cheknev SB, et al. **Lab Delo** 1987;(3):231–4 (Eng. Abstr.) **(Rus)**
[Possibilities for correcting killer activity to protect the body against tumors (review of the literature)] Kindzel'skiĭ LP, et al. **Vrach Delo** 1987 Feb;(2):7–12 (112 ref.) **(Rus)**

ENZYMOLOGY

Isolation and characterization of a serine esterase from cytolytic T cell granules. Young JD, et al. **Cell** 1986 Oct 24;47(2):183–94
Involvement of the 2'-5' A pathway in the augmentation of natural killer activity. Schmidt A, et al. **Nat Immun Cell Growth Regul** 1987;6(1):19–27
Role of neutral serine proteases in tumor cell lysis by natural killer cells (large granular lymphocytes) and activated macrophages. Goldfarb RH. **Semin Thromb Hemost** 1986 Oct;12(4):308–9

IMMUNOLOGY

Decreased natural killer cell activity in lichen ruber planus. Hunyadi J, et al. **Acta Derm Venereol (Stockh)** 1986; 66(5):435–8
Cytotoxicity of human peripheral leukocytes on adenovirus-transformed cell culture. Horváth J, et al. **Acta Microbiol Hung** 1986;33(3):173–6
Secretory products from thrombin-stimulated human platelets exert an inhibitory effect on NK-cytotoxic activity. Skov Madsen P, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1986 Oct; 94(5):193–200
Changes of natural killer cell activity in different mouse lines by acute and asymptomatic flavivirus infections. Vargin VV, et al. **Acta Virol (Praha)** 1986 Jul;30(4):303–8
Molecular mechanism of natural killer cell–mediated cytotoxicity. Bonavida B. **Adv Exp Med Biol** 1987; 213:299–307
Activation of natural killer (NK) cells and mechanism of their cytotoxic effects. Herberman RB. **Adv Exp Med Biol** 1987;213:275–83
Regulation of activation and proliferation of human natural killer cells. Trinchieri G, et al. **Adv Exp Med Biol** 1987; 213:285–98
Effects of MR imaging on murine natural killer cell cytotoxicity. Prasad N, et al. **AJR** 1987 Feb;148(2):415–7
Effects of chloroquine, mefloquine and quinine on natural killer cell activity in vitro. An analysis of the inhibitory mechanism. Pedersen BK, et al. **Allergy** 1986 Sep; 41(7):537–42
Characterization of the in vivo and in vitro effects of indomethacin on human natural killer cell activity. Pedersen BK, et al. **Allergy** 1986 Sep;41(7):532–6
Inhibition of natural killer cell activity by antigen–antibody complexes. Pedersen BK, et al. **Allergy** 1986 Nov; 41(8):568–74
Identification and possible significance of HNK-1+ human lymphocytes, macrophages, and non-neoplastic T-cells in cutaneous lymphoma. McMillan E, et al. **Am J Dermatopathol** 1987 Feb;9(1):2–9
Deficiency of inducible suppressor cell activity in the Chediak-Higashi syndrome. Nair MP, et al. **Am J Hematol** 1987 Sep;26(1):55–66
Immunoarchitecture of the bone marrow in neutropenia: increased HNK-1 + cells define a subset of neutropenic patients. Picker LJ, et al. **Am J Hematol** 1987 May; 25(1):29–41
Enhancement of maternal and neonatal natural killer cell activity with interleukin-2. Baker DA, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):780–1
Role of natural killer cells in resistance to Cryptococcus neoformans infections in mice. Lipscomb MF, et al.

Am J Pathol 1987 Aug;128(2):354–61
In vitro inhibitory effect of human syncytiotrophoblast plasma membranes on the cytolytic activities of CTL and NK cells. Degenne D, et al.
Am J Reprod Immunol Microbiol 1986 Dec;12(4):106–10
Natural killer cell cytotoxicity and antibody–dependent cellular cytotoxicity to herpes simplex virus–infected cells in human pregnancy. Gonik B, et al.
Am J Reprod Immunol Microbiol 1987 Jan;13(1):23–6
Pharyngeal carcinoma and natural killer cell activity. Schantz SP, et al. **Am J Surg** 1986 Oct;152(4):467–74
Natural killer cell function in human lung is compartmentalized. Weissler JC, et al.
Am Rev Respir Dis 1987 Apr;135(4):941–9
Cytotoxic lymphocytes. Sinkovics JG. **Ann Clin Lab Sci** 1986 Nov–Dec;16(6):488–96
Enhancement of host resistance to viral and tumor challenge by treatment with methionine–enkephalin. Faith RE, et al. **Ann NY Acad Sci** 1987;496:137–45
Regulation of natural immunity (NK activity) by conditioning. Hiramoto RN, et al. **Ann NY Acad Sci** 1987; 496:545–52
Stress–behavior interactions in hamster tumor growth. Temoshok L, et al. **Ann NY Acad Sci** 1987;496:501–9
Tumoricidal cells increased by pulsating magnetic field. Malter M, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):391–3
Different E–rosetting properties of human peripheral blood NK– and K–cells. Jantscheff P, et al.
Arch Geschwulstforsch 1986;56(5):335–9
Natural killer cell activity in pregnancy and the effects of pregnant womens' sera. Kurashige T, et al.
Asia Oceania J Obstet Gynaecol 1986 Jun;12(2):305–9
Stress depresses interferon production by leukocytes concomitant with a decrease in natural killer cell activity. Glaser R, et al. **Behav Neurosci** 1986 Oct;100(5):675–8
The cytolytic and regulatory role of natural killer cells in human neoplasia. Uchida A. **Biochim Biophys Acta** 1986 Dec 17;865(3):329–40 (109 ref.)
A killing defect of natural killer cells with the absence of natural killer cytotoxic factors in a child with Hodgkin's disease. Komiyama A, et al. **Blood** 1987 Jun;69(6):1686–90
Large granular lymphocytes from patients with expanded LGL populations acquire cytotoxic functions and release lymphokines upon in vitro activation. Pistoia V, et al.
Blood 1986 Nov;68(5):1095–100
Characterization of host cells involved in resistance to marrow grafts in dogs transplanted from unrelated DLA–nonidentical donors. Raff RF, et al. **Blood** 1986 Oct; 68(4):861–8
Leu 11+ T gamma cell chronic lymphocytic leukemia with partially activated natural killer function and its further activation by recombinant IL2 in vitro. Tagawa S, et al. **Blood** 1986 Oct;68(4):846–52
Expression of two natural killer cell antigens, H–25 and H–366, by human immature myeloid cells and by erythroid and granulocytic/monocytic colony–forming units. Wisniewski D, et al. **Blood** 1987 Feb;69(2):419–29
Hairy–cells are not lysed by NK–cells [letter] Sigaux F, et al. **Blut** 1987 May;54(5):319–20
Effects of in vivo modulation of splenic natural killer cell activity on the growth of spleen–seeking tumour variants. Skinner MA, et al. **Br J Cancer** 1987 Mar;55(3):259–63
Natural killer activity of lymphocytic infiltrates in mouse mammary lesions. Wei WZ, et al. **Br J Cancer** 1987 Jun; 55(6):589–94
Human epidermal cells express Leu–IIb antigen [letter] Hunyadi J, et al. **Br J Dermatol** 1987 Feb;116(2):283–4
Natural killer cell activity of peripheral blood mononuclear cells from patients with various forms of systemic scleroderma. Majewski S, et al. **Br J Dermatol** 1987 Jan; 116(1):1–8
Natural killer cells and lymphomatoid granulomatosis [letter] Rongioletti F, et al. **Br J Dermatol** 1986 Oct;115(4):514–5
Distribution of natural killer cells and lymphocyte subclasses in Jessner's lymphocytic infiltration of the skin and in cutaneous lesions of discoid and systemic lupus erythematosus. Viljaranta S, et al. **Br J Dermatol** 1987 Jun; 116(6):831–8
Natural killer like cells in non–Hodgkin lymphomas [letter] De Paoli P, et al. **Br J Haematol** 1986 Dec;64(4):850–1
Functional analysis of a clonal expansion of Leu 11 positive NK active lymphoid cells. Hart DN, et al.
Br J Haematol 1987 Mar;65(3):277–87
Generation of non MHC restricted killing in non–cytotoxic T–lymphocytes from leukaemia patients. Matera L, et al.
Br J Haematol 1987 Feb;65(2):151–7
Licensed to kill. Cambridge G. **Br Med J [Clin Res]** 1986 Oct 11;293(6552):904–5
Familial occurrence of breast cancer is associated with reduced natural killer cytotoxicity. Strayer DR, et al.
Breast Cancer Res Treat 1986;7(3):187–92
Modification of natural killer activity of lymphocytes infiltrating human lung cancers. Anderson TM, et al.
Cancer Immunol Immunother 1987;25(1):65–8
Modulation of natural killer cell activity in stage I postmenopausal breast cancer patients on low–dose aminoglutethimide. Berry J, et al.
Cancer Immunol Immunother 1987;24(1):72–5
Augmentation of natural cell activity in tumor–bearing and normal mice by MVE–2. Budzynski W, et al.
Cancer Immunol Immunother 1987;24(3):253–8
Natural killer (NK) cell immunodeficiency in patients with chronic myelogenous leukemia. II. Successful cloning and amplification of natural killer cells. Fujimiya Y, et al.
Cancer Immunol Immunother 1987;24(3):213–20
Modulation of natural killer cytotoxicity by muramyl dipeptide and trehalose dimycolate incorporated in squalane droplets. Masihi KN, et al.
Cancer Immunol Immunother 1987;24(1):19–24
Influence of low–dose beta–interferon on natural killer cell activity in breast cancer patients subjected to chemotherapy. Tentori L, et al.
Cancer Immunol Immunother 1987;24(1):86–91
Effect of polyamine depletion in vivo by DL–alpha–difluoromethylornithine on functionally distinct populations of tumoricidal effector cells in normal and tumor–bearing mice. Bowlin TL, et al. **Cancer Res** 1986 Nov;46(11):5494–8
Inhibitory effects of elevated temperature on human cytokine production and natural killer activity. Dinarello CA, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6236–41
Mechanisms of in vivo generation of cytotoxic effector cells against tumor in tumor–bearing mice. Fuyama S, et al.
Cancer Res 1986 Nov;46(11):5548–52
Natural killer cell regulation of implantation and early lung growth of H–ras–transformed 10T1/2 fibroblasts in mice. Greenberg AH, et al. **Cancer Res** 1987 Sep 15;47(18):4801–5
Natural killer cells in the host response to melanoma. Kornstein MJ, et al. **Cancer Res** 1987 Mar 1;47(5):1411–2
Relationship between target cell cycle and susceptibility to natural killer lysis. Landay AL, et al. **Cancer Res** 1987 Jun 1;47(11):2767–70
Induction of tumor immunity and natural killer cell cytotoxicity in mice by 5–halo–6–phenyl pyrimidinone. Lotzová E, et al. **Cancer Res** 1986 Oct;46(10):5004–8
Selective immunosuppression in mice of natural killer cell activity by ochratoxin A. Luster MI, et al. **Cancer Res** 1987 May 1;47(9):2259–63
Age–related changes of natural antitumor resistance in spontaneously hypertensive rats with T–cell depression. Matsuoka T, et al. **Cancer Res** 1987 Jul 1;47(13):3410–3
Inability of anti–asialo–GM1 and 2–chloroadenosine to abrogate maleic anhydride–divinyl ether–induced resistance against experimental murine lung carcinoma metastases. Schultz RM, et al. **Cancer Res** 1986 Nov; 46(11):5624–8
Transplantability and sensitivity to natural killer cells of aclarubicin–resistant murine lymphoma. Sugimoto Y, et al.
Cancer Res 1986 Nov;46(11):5646–8
Human leukemia–derived cell lines and clones as models for mechanistic analysis of natural killer cell–mediated cytotoxicity. Zarcone D, et al. **Cancer Res** 1987 May 15; 47(10):2674–82
The functional loss of human natural killer cell activity induced by K562 is reversible via an interleukin–2–dependent mechanism. Abrams SI, et al.
Cell Immunol 1986 Sep;101(2):558–70
Immunoregulation by natural killer cells. Abruzzo LV, et al. **Cell Immunol** 1986 Apr 1;98(2):266–78
IL–2– and IFN gamma–enhanced natural cytotoxic activity: analysis of the role of different lymphoid subsets and implications for activation routes. Braakman E, et al.
Cell Immunol 1986 May;99(2):476–88
Evidence for involvement of serine proteases in the late stages of the natural killer cell lytic reaction. Brogan M, et al. **Cell Immunol** 1986 Dec;103(2):426–33
The role of microtubules in human natural killer cell–mediated cytotoxicity. Carpén O. **Cell Immunol** 1987 May;106(2):376–86
Natural killer cell–target interactions: the role of 4F2 antigen in the human system. Chin AI, et al. **Cell Immunol** 1987 Apr 15;106(1):180–5
Characterization of the cellular basis for the inhibition of cytolytic effector cells by murine placenta. Clark DA, et al. **Cell Immunol** 1986 Oct 1;102(1):43–51
Mouse embryonic cells become susceptible to CTL lysis after midgestation. Croy BA, et al. **Cell Immunol** 1987 Feb; 104(2):355–65
Enhancement of human natural killer activity by the monoclonal Leu–11 antibodies. Egawa SE, et al.
Cell Immunol 1987 Feb;104(2):386–99
Natural cytotoxic T cells (NCTC) that differ from natural killer (NK) and natural cytotoxic (NC) cells are present in Peyer's patches of mice. Gautam SC, et al.
Cell Immunol 1986 Sep;101(2):463–75
Role of natural killer (NK) cells in the production of the murine T lymphocyte allorecognition repertoire. Gorczynski RM, et al. **Cell Immunol** 1987 Apr 15; 106(1):88–99
Monocyte– and natural killer cell–mediated spontaneous cytotoxicity against human noncultured solid tumor cells. Itoh K, et al. **Cell Immunol** 1987 Sep;108(2):495–500
Lysis of fresh solid tumor targets in the presence of Con A is mediated primarily by Leu 7+ peripheral blood T lymphocytes: blocking by the anti–CD3 monoclonal antibody and comparison with recombinant interleukin 2–induced lysis by natural killer cells. Itoh K, et al.
Cell Immunol 1987 Sep;108(2):283–96
Modulation of ongoing human immunoglobulin synthesis by natural killer cells. Kimata H, et al. **Cell Immunol** 1987 Jun;107(1):74–88
Reversible susceptibility to natural cell–mediated cytotoxicity observed in altered BHK cells resistant to HVJ (Sendai virus) infection. Kimura Y, et al. **Cell Immunol** 1987 May; 106(2):287–92
Regulation of the growth of Epstein–Barr virus–infected B cells: temporal profile of the in vitro development of three distinct cytotoxic cells. Konttinen YT, et al.
Cell Immunol 1986 Nov;103(1):84–95
Indomethacin therapy abrogates the prostaglandin–mediated suppression of natural killer activity in tumor–bearing mice and prevents tumor metastasis. Lala PK, et al.
Cell Immunol 1986 Apr 15;99(1):108–18
Target cell specificity of human natural killer cells. II. Apparent change with activation. MacDougall SL, et al.
Cell Immunol 1986 Dec;103(2):352–64
Influence of interferon on the functional expression of natural killer target structures of murine lymphoma cells. Marini S, et al. **Cell Immunol** 1986 Oct 1;102(1):113–25
Allogeneic responses of human fetal (22– to 25–week) peripheral blood lymphocytes: preferential recruitment of cytotoxic effector cells with both CTL activity and NK–like function. Nowill A, et al. **Cell Immunol** 1986 Oct 15;102(2):355–63
Kupffer cells modulate natural killer cell activity in vitro by producing prostaglandins. Okumura Y, et al.
Cell Immunol 1987 Jun;107(1):89–98
Circannual rhythm in natural killer activity and mitogen responsiveness of murine splenocytes. Pati AK, et al.
Cell Immunol 1987 Aug;108(1):227–34
Clonal analysis of human tumor infiltrating lymphocytes reactive with autologous tumor cells: different target cell specificities of NK–like and cytotoxic T–cell clones. Rabinowich H, et al. **Cell Immunol** 1987 Feb;104(2):210–7
Natural killer (NK)–resistant human lung cancer cells are lysed by recombinant interleukin–2–activated NK cells. Robinson BW, et al. **Cell Immunol** 1987 May;106(2):215–22
Estrogen and antiestrogen modulation of the levels of mouse natural killer activity and large granular lymphocytes. Screpanti I, et al. **Cell Immuaol** 1987 May;106(2):191–202
Dendritic cells but not macrophages are targets for immune regulation by natural killer cells. Shah PD.
Cell Immunol 1987 Feb;104(2):440–5
Proliferation of human peripheral blood lymphocytes induced by recombinant human interleukin 2: contribution of large granular lymphocytes and T lymphocytes. Talmadge JE, et al. **Cell Immunol** 1986 Oct 15; 102(2):261–72
Sequential metabolic events and morphological changes during in vivo large granular lymphocyte activation and proliferation. Testi R, et al. **Cell Immunol** 1986 Oct 1; 102(1):78–88
Inverse relationship in H–2–associated lysis between NK cells and rIL–2–activated killer cells: evidence from in vitro killing and metastatic experiments. Toshitani A, et al.
Cell Immunol 1987 Aug;108(1):188–202
Generation of monoclonal antibodies blocking cytotoxic reactions by human NK clones: further characterization of a 40/80–kDa target cell receptor. Ythier A, et al.
Cell Immunol 1986 Apr 15;99(1):150–9
Diminished natural killer–cell activity of interstitial pulmonary cell populations from patients with carcinoma of the lung. deShazo RD, et al. **Chest** 1987 Jan;91(1):26–8
Cytotoxic cell function in bronchogenic carcinoma. Kratikanont P, et al. **Chest** 1987 Jul;92(1):90–4
NK cells in carcinomatous and tuberculous pleurisy. Phenotypic and functional analyses of NK cells in peripheral blood and pleural effusions. Okubo Y, et al.
Chest 1987 Sep;92(3):500–4
Activation of natural killer cells with 3,6–bis (2–piperidinoethoxy) acridine trihydrochloride (CL 246, 738). Wang BS, et al. **Chin Med J [Engl]** 1987 Mar; 100(3):192–7
HLA related genetic control of natural killer activity and aflatoxin B1 suppression of lymphocytic blastogenesis. Wang CY, et al. **Chin Med J [Engl]** 1987 Jan;100(1):29–33
Studies of natural killer cell activity. I. Normal range of a natural killer cell activity in the healthy Chinese. Kuo YC, et al.
Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih 1986 May;19(2):112–7
Immunological disturbances in patients with premature ovarian failure. Pekonen F, et al. **Clin Endocrinol (Oxf)** 1986 Jul;25(1):1–6
Effects of interferons and interleukin 2 on natural killing of cytomegalovirus–infected fibroblasts. Bandyopadhyay S, et al. **Clin Exp Immunol** 1987 Feb;67(2):372–82
Interleukin 2 enhances natural killing of varicella–zoster virus–infected targets. Ito M, et al. **Clin Exp Immunol** 1986 Jul;65(1):182–9
Defective NK cell activity following thermal injury. Klimpel GR, et al. **Clin Exp Immunol** 1986 Nov;66(2):384–92
Natural killer cell activity and antibody–dependent cellular cytotoxicity in patients under various immunosuppressive regimens. Müller C, et al. **Clin Immunol Immunopathol** 1987 Jul;44(1):12–9
Natural killer activity and antibody–dependent cell–mediated cytotoxicity in primary glomerular diseases. Dohi K, et al. **Clin Nephrol** 1987 Jan;27(1):11–4
Depression in spontaneous cell–mediated cytotoxicity occurs during hemodialysis. Pisa P, et al. **Clin Nephrol** 1987 Jun; 27(6):289–92
Natural killer (NK) cells at inflammatory sites of patients

with rheumatoid arthritis and IgM rheumatoid factor positive polyarticular juvenile rheumatoid arthritis. Thoen J, et al. **Clin Rheumatol** 1987 Jun;6(2):215–25

Interleukin-2 corrects defective NK activity of patients with leukemia. Lotzová E, et al.
Comp Immunol Microbiol Infect Dis 1986;9(2–3):169–75

Natural immunity against ovarian tumors. Lotzová E, et al.
Comp Immunol Microbiol Infect Dis 1986;9(2–3):269–75

Pyrimidinones: inducers of NK cell activity and antitumor immunity. Lotzová E, et al.
Comp Immunol Microbiol Infect Dis 1986;9(2–3):185–91

Multiple functions of natural killer cells, including immunoregulation as well as resistance to tumor growth. Herberman RB. **Concepts Immunopathol** 1985;1:96–132 (190 ref.)

Natural killer cells and interferon. Welsh RM.
CRC Crit Rev Immunol 1984;5(1):55–93 (342 ref.)

Inhibition of SK cell activity in frogs by certain drugs and sugars. Ghoneum M, et al. **Dev Comp Immunol** 1987 Spring; 11(2):363–73

Inhibition of frog SK effector–target cell binding. Ghoneum MH, et al. **Dev Comp Immunol** 1987 Winter;11(1):167–78

Ontogeny of natural killer cell activity and antibody dependent cell mediated cytotoxicity in pigs. Yang WC, et al. **Dev Comp Immunol** 1986 Summer;10(3):405–18

A comparative analysis of cord blood and adult lymphocytes: interleukin-2 and interferon production, natural killer cell activity, and lymphocyte populations. Kibler R, et al.
Diagn Immunol 1986;4(4):201–8

Natural killer cell activity in patients undergoing minor gynaecological surgery. Tjønnesen E, et al.
Eur J Anaesthesiol 1987 Mar;4(2):119–25

Augmented natural killer activity in ovarian cancer patients treated with cimetidine. Kikuchi Y, et al.
Eur J Cancer Clin Oncol 1986 Sep;22(9):1037–43

Natural killer activity of blood lymphocytes in patients with primary intracranial tumors. Correlation to histological tumor type and anatomical site. Ullén H, et al.
Eur J Cancer Clin Oncol 1986 Oct;22(10):1239–45

Polymorphonuclear leukocyte, T-lymphocyte, and natural killer cell activities in elderly nursing home residents. Tsukayama D, et al. **Eur J Clin Microbiol** 1986 Aug; 5(4):468–71

Development of natural killer cells in human thymocyte culture: regulation by accessory cells. Blue ML, et al.
Eur J Immunol 1987 May;17(5):669–73

Large granular lymphocytes or "pit cells" from rat liver: isolation, ultrastructural characterization and natural killer activity. Bouwens L, et al. **Eur J Immunol** 1987 Jan; 17(1):37–42

Homozygosity in the major histocompatibility complex region influences natural killer cell activity in man. Dubey DP, et al. **Eur J Immunol** 1987 Jan;17(1):61–6

Two natural killer cell populations which belong to T cell lineage in nude mice. Habu S, et al. **Eur J Immunol** 1986 Nov;16(11):1453–6

Intact natural killer activity in glycogenosis type Ib [letter] Hara T, et al. **Eur J Pediatr** 1986 Aug;145(3):242–3

Cell-mediated cytotoxicity by natural killer and killer cells, lipid peroxidation and glutathione. Younes M, et al.
Experientia 1986 Dec 1;42(11–12):1257–9

Antigenic, functional, and molecular genetic studies of human natural killer cells and cytotoxic T lymphocytes not restricted by the major histocompatibility complex. Lanier LL, et al. **Fed Proc** 1986 Nov;45(12):2823–8 (44 ref.)

Natural killer activity in patients with chronic hepatitis treated with OK432, interferon, adenine arabinoside and glycyrrhizin. Wada T, et al. **Gastroenterol Jpn** 1987 Jun; 22(3):312–21

Human mucosal cytotoxic effector cells. Shanahan F, et al.
Gastroenterology 1987 Jun;92(6):1951–7

Variations in the Leu7+ and LeuM3+ leukocyte subpopulations observed in cluster headache are dependent on HLA-DR antigens. Giacovazzo M, et al. **Headache** 1987 Jan;27(1):35–8

Increase in natural killer activity in cyclosporine-treated renal allograft recipients during rejection. Lefkowitz M, et al. **Hum Immunol** 1987 Jun;19(2):139–49

Mapping functional epitopes of the human LFA-1 glycoprotein: monoclonal antibody inhibition of NK and CTL effectors. Mentzer SJ, et al. **Hum Immunol** 1986 Nov; 17(3):288–96

Differential effects of beta- and gamma-interferons on natural killer cell-mediated lysis of lung carcinoma cells. Krishnamurti C, et al. **Immunobiology** 1987 Mar; 174(2):221–32

Surface Ly-5 glycoprotein in murine natural killer (NK) cell development, target binding and cytotoxicity. Zaroukian MH, et al. **Immunol Invest** 1986 Dec;15(8):813–32

Effect of lymphokines on natural killer cytotoxicity in patients with high risk of developing the acquired immune deficiency syndrome. de la Barrera S, et al.
Immunol Lett 1986 Nov 3;13(6):307–11

Interleukin 2 induces appearance of LGL/Leu11+/K562 lytic cells in Leu11- low density peripheral blood mononuclear cell population. Lange A, et al.
Immunol Lett 1987 May;15(1):1–7

Transferrin receptors and natural killer cell lysis. A study using Colo 205 cells exposed to 60 Hz electromagnetic fields. Phillips JL. **Immunol Lett** 1986 Nov 3;13(6):295–9

A spleen cell derived factor imparts resistance to NK cell mediated lysis in a mouse lymphoma cell line. Saxena RK.
Immunol Lett 1987 Jun;15(2):105–8

Lysis by natural killer cells requires viral replication and glycoprotein expression. Schattner A, et al.
Immunol Lett 1986 Oct 15;13(5):261–8

Natural killer cell activity in post-necrotic cirrhotic patients as related to hepatitis-B virus infection and plasma zinc levels. Yoffe B, et al. **Immunol Lett** 1986 Nov 17;14(1):15–9

Origin and differentiation of natural killer cells. III. Relationship between the precursors and effectors of natural killer and natural cytotoxic activity. Hackett J Jr, et al. **Immunol Res** 1986;5(1):16–24

Characterization of Listeria monocytogenes-induced murine natural killer cells. Holmberg LA, et al. **Immunol Res** 1986; 5(1):50–60

Natural cytotoxic (NC) activity: a multi-lineage system regulated by IL-2. Lattime EC, et al. **Immunol Res** 1986; 5(1):5–15

T cell receptor gene rearrangements in cells with natural killer activity in the mouse. Lauzon RJ, et al.
Immunol Res 1986;5(3):191–200 (47 ref.)

Relationship of mouse natural killer cells to mouse natural cytotoxic cells: effector cells and possible mechanism of action. Ortaldo JR, et al. **Immunol Res** 1986;5(1):25–32

C-reactive protein is involved in natural killer cell–mediated lysis but does not mediate effector–target cell recognition. Baum LL, et al. **Immunology** 1987 May;61(1):93–9

Identification of macromolecular insoluble cold globulin (MICG) as a new marker shared by NK and ADCC cells, but not expressed by NC cells. Campos-Perera C, et al.
Immunology 1986 Sep;59(1):101–7

Susceptibility of natural killer cell activity of old rats to stress. Ghoneum M, et al. **Immunology** 1987 Mar;60(3):461–5

Effect of interferons on the inhibition of human natural killers by primary monolayer cell cultures. Heiskala M.
Immunology 1987 Feb;60(2):167–72

Characteristics of murine non-specific killer cells induced in vivo by recombinant human interleukin-2. Hinuma S, et al. **Immunology** 1986 Oct;59(2):251–9

Phorbol ester regulation of Ca2+ flux during natural, lectin and antibody-dependent killing. Jondal M, et al.
Immunology 1986 Nov;59(3):347–52

The expanded null cell compartment in ageing: increase in the number of natural killer cells and changes in T-cell and NK-cell subsets in human blood. Ligthart GJ, et al.
Immunology 1986 Nov;59(3):353–7

Experimental studies of immunologically mediated enteropathy. II. Role of natural killer cells in the intestinal phase of murine graft-versus-host reaction. Mowat AM, et al. **Immunology** 1987 Jun;61(2):179–83

Allogeneic lymphocyte cytotoxicity (ALC) in rats: establishment of an in vitro assay, and direct evidence that cells with natural killer (NK) activity are involved in ALC. Rolstad B, et al. **Immunology** 1987 Feb;60(2):151–7

Inhibition of natural killer–cell mediated cytolysis with monoclonal antibodies to restricted and non-restricted epitopes of the leucocyte common antigen. Starling GC, et al. **Immunology** 1987 Jul;61(3):351–6

Eugenol modulation of the immune response in mice. Vishteh A, et al. **Immunopharmacology** 1986 Dec;12(3):187–92

Natural killer cell & killer cell activities & circulating immune complexes in patients with breast cancer. Seth P, et al.
Indian J Med Res 1987 Apr;85:404–14

Human T helper cells specific for antigens of typhus group rickettsiae enhance natural killer cell activity in vitro. Carl M, et al. **Infect Immun** 1986 Nov;54(2):297–302

Clearance of Giardia muris infection in mice deficient in natural killer cells. Heyworth MF, et al. **Infect Immun** 1986 Dec;54(3):903–4

Inhibition of human natural killer cell activity by Pseudomonas aeruginosa alkaline protease and elastase. Pedersen BK, et al. **Infect Immun** 1987 Apr;55(4):986–9

Role of natural killer cells in infection with the mouse pneumonitis agent (murine Chlamydia trachomatis). Williams DM, et al. **Infect Immun** 1987 Jan;55(1):223–6

Increased natural killer cell activity in sarcoidosis. Hall TJ, et al. **Int Arch Allergy Appl Immunol** 1987;82(1):10–6

Natural killer cell interaction with IgE in the control of ongoing human IgE synthesis. Kimata H, et al.
Int Arch Allergy Appl Immunol 1987;82(3–4):419–21

Human tumor cell lines with pleiotropic drug resistance are efficiently killed by interleukin-2 activated killer cells and by activated monocytes. Allavena P, et al.
Int J Cancer 1987 Jul 15;40(1):104–7

In vivo anti-tumor activity of combinations of interferon alpha and interleukin-2 in a murine model. Correlation of efficacy with the induction of cytotoxic cells resembling natural killer cells. Brunda MJ, et al. **Int J Cancer** 1987 Sep 15;40(3):365–71

Suppression of NK activity of spleen cells by chicken fetal antigen present on Marek's disease lymphoblastoid cell line cells. Ohashi K, et al. **Int J Cancer** 1987 Sep 15;40(3):378–82

EL-4 metastases in spleen and bone marrow suppress the NK activity generated in these organs. Sarzotti M, et al.
Int J Cancer 1987 Jan 15;39(1):118–25

Suppression of basal and Corynebacterium parvum-augmented NK activity during chemically induced tumor development. Ghoneum M, et al.
Int J Immunopharmacol 1987;9(1):71–8

Enhancement of lymphocyte proliferation, interleukin-2 production and NK activity by inmunoferon (AM-3), a fungal immunomodulator: variations in normal and immunosuppressed mice. Rojo JM, et al.
Int J Immunopharmacol 1986;8(6):593–7

Natural killer (NK) cell activity and reversal reaction in leprosy. Converse PJ, et al.
Int J Lepr Other Mycobact Dis 1986 Dec;54(4):503–9

A miniaturized cell-mediated cytotoxicity assay with human effector mononuclear cells. D'Atri S, et al.
Int J Tissue React 1986;8(5):383–90

Adhesiveness and morphology of Lewis lung carcinoma variants influence their sensitivity to natural killer cytolysis and their metastatic capacity. Young MR, et al.
Invasion Metastasis 1987;7(2):96–108

Natural killer cells in lungs and other tissues and regulation of their activity by suppressor cells. Herberman RB.
J Allergy Clin Immunol 1986 Oct;78(4 Pt 1):566–70

Modulation of natural killer cell function by human alveolar macrophages. Weissman DN, et al.
J Allergy Clin Immunol 1986 Oct;78(4 Pt 1):571–7

Reduced natural killer cell activity in autism. Warren RP, et al. **J Am Acad Child Adolesc Psychiatry** 1987 May; 26(3):333–5

OF4949, new inhibitors of aminopeptidase B. V. Effect on the murine immune system. Sano S, et al.
J Antibiot (Tokyo) 1987 Apr;40(4):519–25

The role of asparagine-linked carbohydrate in natural killer cell–mediated cytolysis. Ahrens PB, et al. **J Biol Chem** 1987 Jun 5;262(16):7575–9

Augmentation of human natural killer cell activity by influenza virus antigens produced in Escherichia coli. Rees RC, et al. **J Biol Response Mod** 1987 Feb;6(1):69–87

Natural cytotoxic cells from rat liver and spleen kill human glioma cells. Malter M, et al. **J Cancer Res Clin Oncol** 1987;113(5):498–501

Patients with condyloma acuminatum exhibit decreased interleukin-2 and interferon gamma production and depressed natural killer activity. Cauda R, et al.
J Clin Immunol 1987 Jul;7(4):304–11

Alterations in cytotoxic and phenotypic subsets of natural killer cells in acquired immune deficiency syndrome (AIDS). Plaeger-Marshall S, et al. **J Clin Immunol** 1987 Jan;7(1):16–23

Whole-body hyperthermia decreases lung metastases in lung tumor-bearing mice, possibly via a mechanism involving natural killer cells. Shen RN, et al. **J Clin Immunol** 1987 May;7(3):246–53

Natural killer (NK)-cell activity in sorted subsets of peripheral blood mononuclear cells from patients with severe combined immunodeficiency. ten Berge RJ, et al.
J Clin Immunol 1987 May;7(3):198–202

Suppression of peripheral blood natural killer cell activity by excess thyroid hormone. Papic M, et al.
J Clin Invest 1987 Feb;79(2):404–8

Enhancement of natural killer function through activation of the T11 E rosette receptor. Schmidt RE, et al.
J Clin Invest 1987 Jan;79(1):305–8

Phenotypic expression of natural killer cell associated membrane antigens and cytolytic function of peripheral blood cells from different aged humans. Bender BS, et al.
J Clin Lab Immunol 1986 Sep;21(1):31–6

The effect of blood donation on natural killer activity in man. Lasek W, et al. **J Clin Lab Immunol** 1987 Apr;22(4):165–8

Immune response to murine neuroblastoma: effects of in vitro culture of the tumor. Mitogen and mixed lymphocyte culture responses, interleukin-2 production, suppression and natural killer activity. Leclercq G, et al.
J Clin Lab Immunol 1986 Nov;21(3):117–23

NK activity in neuroblastoma bearing mice: in vivo versus in vitro propagated tumor variants. Leclercq G, et al.
J Clin Lab Immunol 1987 Mar;22(3):145–51

Defective granulocyte chemotaxis and natural killer activity in a patient with recurrent infections. Soligo D, et al.
J Clin Lab Immunol 1986 Sep;21(1):49–53

HSV-1-infected oral epithelial cells are targets for natural killer cells. Lindemann RA, et al. **J Dent Res** 1987 Mar; 66(3):770–3

Natural killer cell regulation of age-related and type-specific variations in antibody responses to pneumococcal polysaccharides. Khater M, et al. **J Exp Med** 1986 Nov 1;164(5):1505–15

An expanded population of natural killer cells in mice with severe combined immunodeficiency (SCID) lack rearrangement and expression of T cell receptor genes. Lauzon RJ, et al. **J Exp Med** 1986 Nov 1;164(5):1797–802

Prevention of diabetes in BioBreeding/Worcester rats with monoclonal antibodies that recognize T lymphocytes or natural killer cells. Like AA, et al. **J Exp Med** 1986 Oct 1;164(4):1145–59

Accumulation of natural killer and cytotoxic T large granular lymphocytes in the liver during virus infection. McIntyre KW, et al. **J Exp Med** 1986 Nov 1;164(5):1667–81

High hepatic natural killer cell activity in murine lupus. Magilavy DB, et al. **J Exp Med** 1987 Jul 1;166(1):271–6

Rejection of bone marrow allografts by mice with severe combined immune deficiency (SCID). Evidence that natural killer cells can mediate the specificity of marrow graft rejection. Murphy WJ, et al. **J Exp Med** 1987 Apr 1;165(4):1212–7

Natural killer cells are not required for interferon-mediated prophylaxis against vaccinia or murine cytomegalovirus infections. Bukowski JF, et al. **J Gen Virol** 1987 Aug;68 (Pt 8):2219–22

Lack of correlation between serum titres of interferon alpha, beta, natural killer cell activity and clinical susceptibility

in mice infected with two isolates of lymphocytic choriomeningitis virus. Leist TP, et al. **J Gen Virol** 1987 Aug;68 (Pt 8):2213–8

Influence of sexual preference and chronic hepatitis B virus infection on T lymphocyte subsets, natural killer activity, and suppressor cell activity. Novick DM, et al. **J Hepatol** 1986;3(3):363–70

Experimental strategies and interpretations in the analysis of changes in MHC gene expression during tumour progression. Opposing influences of T cell and natural killer mediated resistance? Ljunggren HG, et al. **J Immunogenet** 1986 Apr–Jun;13(2–3):141–51

Murine natural killer cells stimulated in vivo do not express the T cell receptor alpha, beta, gamma, T3 delta, or T3 epsilon genes. Biron CA, et al. **J Immunol** 1987 Sep 1; 139(5):1704–10

Cell surface molecules involved in NK recognition by cloned cytotoxic T lymphocytes. Brooks CG, et al. **J Immunol** 1987 Mar 1;138(5):1331–7

Sensitivity of simian virus 40–transformed C57BL/6 mouse embryo fibroblasts to lysis by murine natural killer cells. Fresa KL, et al. **J Immunol** 1987 Feb 15;138(4):1215–20

Murine natural killer cells limit coxsackievirus B3 replication. Godeny EK, et al. **J Immunol** 1987 Aug 1;139(3):913–8

Mechanism of cell contact–mediated inhibition of natural killer activity. Heiskala MK, et al. **J Immunol** 1987 Sep 1;139(5):1414–8

Role of serotonin in the regulation of human natural killer cell cytotoxicity. Hellstrand K, et al. **J Immunol** 1987 Aug 1;139(3):869–75

Cytolytic and biochemical properties of cytoplasmic granules of murine lymphokine–activated killer cells. Henkart PA, et al. **J Immunol** 1986 Oct 15;137(8):2611–7

Enhanced lytic susceptibility of Ha–ras transformants after oncogene induction is specific to activated NK cells. Johnson PW, et al. **J Immunol** 1987 Jun 1; 138(11):3996–4003

Analysis of the murine lymphokine–activated killer (LAK) cell phenomenon: dissection of effectors and progenitors into NK– and T–like cells. Kalland T, et al. **J Immunol** 1987 Jun 1;138(11):3640–5

Mechanism of defective NK cell activity in patients with acquired immunodeficiency syndrome (AIDS) and AIDS–related complex. II. Normal antibody–dependent cellular cytotoxicity (ADCC) mediated by effector cells defective in natural killer (NK) cytotoxicity. Katz JD, et al. **J Immunol** 1987 Jul 1;139(1):55–60

The NK–1.1(–) mouse: a model to study differentiation of murine NK cells. Koo GC, et al. **J Immunol** 1986 Dec 15;137(12):3742–7

Human oncogene–transfected tumor cells display differential susceptibility to lysis by lymphokine–activated killer cells (LAK) and natural killer cells. Lanza LA, et al. **J Immunol** 1986 Oct 15;137(8):2716–20

Influenza virus infection induces functional alterations in peripheral blood lymphocytes. Lewis DE, et al. **J Immunol** 1986 Dec 15;137(12):3777–81

Generation of NK cell activity from human bone marrow. Lotzová E, et al. **J Immunol** 1987 Jul 1;139(1):279–84

Large granular lymphocytes from SCID horses develop potent cytotoxic activity after treatment with human recombinant interleukin 2. Magnuson NS, et al. **J Immunol** 1987 Jul 1;139(1):61–7

Differential expression of lymphokine–activated killer cells and natural killer cells in adoptive transfer experiments utilizing fractionated bone marrow. Merluzzi VJ, et al. **J Immunol** 1986 Oct 15;137(8):2425–7

Accumulation and chemotaxis of natural killer/large granular lymphocytes at sites of virus replication. Natuk RJ, et al. **J Immunol** 1987 Feb 1;138(3):877–83

Analysis of cytostatic/cytotoxic lymphokines: relationship of natural killer cytotoxic factor to recombinant lymphotoxin, recombinant tumor necrosis factor, and leukoregulin. Ortaldo JR, et al. **J Immunol** 1986 Nov 1;137(9):2857–63

Tumor necrosis factor–alpha enhances cytolytic activity of human natural killer cells. Ostensen ME, et al. **J Immunol** 1987 Jun 15;138(12):4185–91

The effects of polyinosinic:polycytidylic acid (pI:C) on the graft–vs–host (GVH) reaction. II. Increased NK–mediated rejection on C57BL/6 lymphocytes by (C57BL/6 X A)F1 mice. Peres A, et al. **J Immunol** 1986 Dec 1;137(11):3420–7

Natural killer–sensitive targets stimulate production of TNF–alpha but not TNF–beta (lymphotoxin) by highly purified human peripheral blood large granular lymphocytes. Peters PM, et al. **J Immunol** 1986 Oct 15; 137(8):2592–8

Effect of surgical stress on murine natural killer cell cytotoxicity. Pollock RE, et al. **J Immunol** 1987 Jan 1; 138(1):171–8

Role of NK cells in protection of mice against herpes simplex virus–1 infection. Rager–Zisman B, et al. **J Immunol** 1987 Feb 1;138(3):884–8

Lipoxin A–induced inhibition of human natural killer cell cytotoxicity: studies on stereospecificity of inhibition and mode of action. Ramstedt U, et al. **J Immunol** 1987 Jan 1;138(1):266–70

Regulation of the secondary in vitro antibody response by endogenous natural killer cells: kinetics, isotype preference, and non–identity with T suppressor cells. Robles CP, et al. **J Immunol** 1986 Oct 15;137(8):2418–24

Effect of altered membrane structure on NK cell–mediated cytotoxicity. III. Decreased susceptibility to natural killer cytotoxic factor (NKCF) and suppression of NKCF release by membrane rigidification. Roozemond RC, et al. **J Immunol** 1987 Sep 1;139(5):1739–46

Depletion of natural killer cells in mice by monoclonal antibody to NK–1.1. Reduction in host defense against malignancy without loss of cellular or humoral immunity. Seaman WE, et al. **J Immunol** 1987 Jun 15;138(12):4539–44

NK susceptibility varies inversely with target cell class I HLA antigen expression. Storkus WJ, et al. **J Immunol** 1987 Mar 15;138(6):1657–9

Bacterial activation of human natural killer cells. Characteristics of the activation process and identification of the effector cell. Tarkkanen J, et al. **J Immunol** 1986 Oct 15;137(8):2428–33

Regulation of cytolytic activity in CD3– and CD3+ killer cell clones by monoclonal antibodies (anti–CD16, anti–CD2, anti–CD3) depends on subclass specificity of target cell IgG–FcR. van de Griend RJ, et al. **J Immunol** 1987 May 15;138(10):3137–44

The mechanism of action of 3,6–bis(2–piperidinoethoxy)acridine trihydrochloride (CL 246,738) in the potentiation of natural killer cells. Wang BS, et al. **J Immunol** 1986 Oct 15;137(8):2640–5

Regulation of guinea–pig immune functions by interleukin 2: critical role of natural killer activity in acute HSV–2 genital infection. Weinberg A, et al. **J Immunol** 1986 Nov 15;137(10):3310–7

Studies on the mechanism of natural killer cell–mediated cytotoxicity. VII. functional comparison of human natural killer cytotoxic factors with recombinant lymphotoxin and tumor necrosis factor. Wright SC, et al. **J Immunol** 1987 Mar 15;138(6):1791–8

Miniaturization of the standard 51Cr release assay for long term follow–up of NK activity of individual mice. Yron I, et al. **J Immunol Methods** 1986 Nov 6;93(2):193–200

Natural killing of herpes simplex virus–infected fibroblasts [letter] Lopez C, et al. **J Infect Dis** 1986 Dec;154(6):1043–5

Immunological activities of recombinant interferon–alpha 2 and its A fragment. Attallah AM, et al. **J Interferon Res** 1987 Apr;7(2):223–9

Immunohistologic studies of squamous cell carcinoma: possible participation of Leu–7+ (natural killer) cells as antitumor effector cells. Kohchiyama A, et al. **J Invest Dermatol** 1986 Oct;87(4):515–8

Natural killer cells express the CD16 antigen [letter] Manara GC, et al. **J Invest Dermatol** 1987 Jul;89(1):119

Natural killer cell activity in the rat. VI. Characterization of rat large granular lymphocytes as effector cells in natural killer and antibody–dependent cellular cytotoxic activities. Fukui H, et al. **J Leukocyte Biol** 1987 Feb;41(2):130–42

Heterogeneity of human natural killer (NK) cells: enrichment of NK by negative–selection with the lectin from Erythrina cristagalli. Harris DT, et al. **J Leukocyte Biol** 1987 Aug; 42(2):163–70

Experimental histoplasmosis in the beige mouse. Patiño MM, et al. **J Leukocyte Biol** 1987 Mar;41(3):228–35

Systemic and regional natural cytotoxicity in patients with head and neck cancer. Vinzenz K, et al. **J Maxillofac Surg** 1986 Oct;14(5):270–5

Characterization of the antigenic determinant on HSB–2 cells shared with myelin–associated glycoprotein (MAG) using monoclonal antibodies. Baba H, et al. **J Neuroimmunol** 1986 Nov;13(1):89–97

NK activity and NK–like non–specific cytolysis after PPD, rubella and measles antigen stimulation in multiple sclerosis. Ilonen J, et al. **J Neurol Sci** 1987 Jan;77(1):77–85

Natural cytotoxicity in draining lymph nodes of squamous cell cancer in the maxillofacial region. Vinzenz K, et al. **J Oral Maxillofac Surg** 1987 Jan;45(1):42–7

Effects of immune globulin on natural killer activity [letter] Mitchell SR, et al. **J Pediatr** 1986 Oct;109(4):727–8

Modulation of the natural killer cell activity in pregnant mice alters the spontaneous abortion rate. de Fougerolles AR, et al. **J Reprod Immunol** 1987 Jun;11(2):147–53

Phenotypic heterogeneity and recycling capacity of natural killer cells in normal human pregnancy. Gregory CD, et al. **J Reprod Immunol** 1987 Jun;11(2):135–45

Autologous mixed lymphocyte reaction (AMLR) in man. XVI. The AMLR and monoclonal antibody–defined T cell subsets and HNK 1+ natural killer cells in normal human pregnancy. Gupta S, et al. **J Reprod Immunol** 1986 Apr; 9(1):1–9

Natural killer cell activity and antibody dependent cell–mediated cytotoxicity in preeclampsia. Hill JA, et al. **J Reprod Immunol** 1986 Nov;9(3):205–12

Natural killer cell activity in dermatomyositis–polymyositis. Gonzalez–Amaro R, et al. **J Rheumatol** 1987 Apr; 14(2):307–10

Molecular mechanisms of cytotoxicity: comparison of complement and killer lymphocytes. Müller–Eberhard HJ, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:28–34

Inhibition by cortisol of human natural killer (NK) cell activity. Gatti G, et al. **J Steroid Biochem** 1987 Jan; 26(1):49–58

Immunological surveillance against DNA–virus–transformed cells: correlations between natural killer cell cytolytic competence and tumor susceptibility of athymic rodents. Cook JL, et al. **J Virol** 1987 Jul;61(7):2155–61

Natural killer cell suppression of Friend virus–induced preleukemic hemopoietic stem cells. Eckner RJ, et al. **J Virol** 1987 Aug;61(8):2631–8

Influenza virus–induced encephalopathy in mice: interferon production and natural killer cell activity during acute infection. Wabuke–Bunoti MA, et al. **J Virol** 1986 Dec; 60(3):1062–7

Strain difference in mouse natural killer activity augmented by mouse interferon and poly I.C. Kiuchi Y. **Jikken Dobutsu** 1986 Jul;35(3):239–44

Mechanism of decline of natural killer cell activity in Corynebacterium parvum–treated mice: inhibition by erythroblasts and Thy 1.2+ lymphocytes. Savary CA, et al. **JNCI** 1987 Sep;79(3):533–41

Natural killer cell activity and head and neck cancer: a clinical assessment. Schantz SP, et al. **JNCI** 1986 Oct; 77(4):869–75

Study on lymphocyte subsets and NK cell function in patients with dilated cardiomyopathy. Yamakawa K, et al. **Jpn Circ J** 1986 Dec;50(12):1259–63

Medullasin enhances human natural killer cell activity by a mechanism other than the induction of interferons or interleukin–2. Aoki Y, et al. **Jpn J Cancer Res** 1987 Jan; 78(1):68–73

In vivo augmentation of natural killer cell activity with a deoxyribonucleic acid fraction of BCG. Shimada S, et al. **Jpn J Cancer Res** 1986 Aug;77(8):808–16

The role of anti–asialo GM1 antibody–sensitive cells in the implementation of tumor–specific T cell–mediated immunity in vivo. Yoshioka T, et al. **Jpn J Cancer Res** 1986 Aug;77(8):825–32

Phenotypic and functional study of natural killer cells in tuberculous pleurisy patients. Okubo Y, et al. **Jpn J Med** 1986 Aug;25(3):250–6

Nonspecific cell–mediated cytotoxicity of peripheral blood lymphocytes derived from suckling piglets. Onizuka N, et al. **Jpn J Vet Res** 1987 Jan;35(1):41–8

Interleukin 2 induced cytotoxicity on renal cell carcinoma. 1. In vitro enhancement of natural killer cell activity. Ueno M. **Keio J Med** 1986 Jun;35(2):80–9

Transferrin receptors on tumor and bone marrow cells: lack of involvement as target structure for natural killer cells. Rieber EP, et al. **Klin Wochenschr** 1986 Oct 31; 64(21):1119–23

Natural killer cells expressing the Leu–11 antigen display phagocytic activity for 2–aminoethylisothiouronium bromide hydrobromide– treated sheep red blood cells. Manara GC, et al. **Lab Invest** 1986 Oct;55(4):412–8

Reduced natural killer activity in patients with Fanconi's anemia and in family members. Froom P, et al. **Leuk Res** 1987;11(2):197–9

Lymphoblastic lymphoma expressing natural killer cell–associated antigens: a clinicopathologic study of six cases. Sheibani K, et al. **Leuk Res** 1987;11(4):371–7

Recombinant interferons or interleukin–2 increase cytotoxicity by human monocytes and NK cells. Frey JR, et al. **Lymphokine Res** 1987 Summer;6(3):215–27

Cytotoxicity by natural killer cells: analysis of large granular lymphocytes. Ortaldo JR. **Methods Enzymol** 1986; 132:445–57

Modification of the T, K and NK cell population in experimental infection of mice with Aspergillus niger. Romano Carratelli C, et al. **Microbiologica** 1986 Oct; 9(4):461–9

Binding characteristics and isotype specificity of Fc receptors on K cells. Gergely J, et al. **Mol Immunol** 1986 Nov; 23(11):1203–9

Contribution of activated C3 to lymphocyte–mediated cytolysis. Klein E, et al. **Mol Immunol** 1986 Nov; 23(11):1257–62

Occult (non–surface expression) of T, B and monocyte markers in human large granular lymphocytes. Morgan AC Jr, et al. **Mol Immunol** 1987 Feb;24(2):117–25

Regulatory function of cell surface molecules CD2–, LFA– and beta 2–microglobulin in natural killer cell activity. Petrányi GG, et al. **Mol Immunol** 1986 Nov;23(11):1275–9

A monoclonal antibody with reactivity to asialo GM1 and murine natural killer cells. Solomon FR, et al. **Mol Immunol** 1987 Jan;24(1):57–65

Natural–killer–cell function and bone marrow transplantation [letter] Markert ML, et al. **N Engl J Med** 1986 Nov 27; 315(22):1418–9

Low natural killer syndrome: clinical and immunologic features. Aoki T, et al. **Nat Immun Cell Growth Regul** 1987; 6(3):116–28

Interleukin–2– and mitogen–activated NK–like killer cells from highly purified human peripheral blood T cell (CD3+ N901–) cultures. Atzpodien J, et al. **Nat Immun Cell Growth Regul** 1987;6(3):129–40

Marker and function analysis of natural killer and alloreactive T cells during early stages of dimethylbenzanthracene carcinogenesis. The immunity system during the precancer period. Ehrlich R, et al. **Nat Immun Cell Growth Regul** 1986;5(6):305–16

Natural killer cells do not lyse resting or mitogen–stimulated B cells. Froelich CJ, et al. **Nat Immun Cell Growth Regul** 1987;6(1):12–8

Inhibition of human natural killer cell activity by platelet–derived growth factor. Gersuk GM, et al. **Nat Immun Cell Growth Regul** 1986;5(6):283–93

Genetic studies on a tumor growth–inhibitory factor in serum of normal mice and its relationship to NK activity. Guevara LA, et al. **Nat Immun Cell Growth Regul** 1986;5(5):267–76

Characterization of natural cytotoxic effector cells isolated from rat liver. Leung KH, et al. **Nat Immun Cell Growth Regul** 1987;6(3):150–60

Therapeutic possibilities of virus-modified tumor cell extracts and interleukin-2 in human ovarian cancer. Lotzová E. **Nat Immun Cell Growth Regul** 1986;5(6):277–82

Increased number of functionally defective large granular lymphocytes in lymphoma patients. Muhonen T, et al. **Nat Immun Cell Growth Regul** 1987;6(2):57–64

Studies on the mechanism of low natural killer cell activity in infant and aged mice. Riccardi C, et al. **Nat Immun Cell Growth Regul** 1986;5(5):238–49

A study of GRM1 monoclonal antibody that reacts with natural killer cells and granulocytes. Ruiz-Cabello F, et al. **Nat Immun Cell Growth Regul** 1987;6(2):99–108

Modulation of natural killer activity in mice by prolonged administration of various doses of dietary retinoids. Santoni A, et al. **Nat Immun Cell Growth Regul** 1986;5(5):259–66

Induction of natural killer cell activity in mice by injection of indomethacin. Voth R, et al. **Nat Immun Cell Growth Regul** 1986;5(6):317–24

A gamma-chain complex forms a functional receptor on cloned human lymphocytes with natural killer-like activity. Moingeon P, et al. **Nature** 1987 Feb 19–25;325(6106):723–6

Low susceptibility of choriocarcinoma cell lines to lymphokine-activated killer (LAK) cells. Koyama M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Nov; 38(11):2091–2

Interferon enhanced natural killer function in Hodgkin's disease. Levy S, et al. **Nouv Rev Fr Hematol** 1986; 28(5):323–5

Relationship of cytotoxic activity of natural killer cells to growth rates and serum zinc levels of female RIII mice fed zinc. Bunk MJ, et al. **Nutr Cancer** 1987;10(1–2):79–87

T-cell mitogenesis and natural killer cell activity in colonic tumor-bearing and nontumor-bearing rats fed diets high in lipid with and without cholesterol. Kraus LJ, et al. **Nutr Cancer** 1987;9(2–3):159–70

Interferon enhances the natural killer cell activity of the retinoblastoma patients to autologous retinoblastoma cells. Sasabe T, et al. **Ophthalmic Paediatr Genet** 1987 Mar; 8(1):43–6

Comparison of natural killer and natural cytotoxic cells: characteristics, regulation, and mechanism of action. Ortaldo JR. **Pathol Immunopathol Res** 1986;5(3–5):203–18 (67 ref.)

Augmentation of organ-associated NK activity by BRMs: association of NK activity with mononuclear cell infiltration. Wiltrout RH, et al. **Pathol Immunopathol Res** 1986;5(3–5):219–33

Lymphocyte-mediated cytotoxicity. Herberman RB. **Pediatr Ann** 1987 Jun;16(6):485, 488–93

Cyclophosphamide-conditioned suppression of the natural killer cell response in rats. O'Reilly CA, et al. **Physiol Behav** 1986;37(5):759–64

The T-cell receptor gamma chain–CD3 complex: implication in the cytotoxic activity of a CD3+ CD4- CD8- human natural killer clone. Alarcon B, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3861–5

Functional heterogeneity correlates with structural heterogeneity of breast carcinoma acid-soluble glycoproteins. Hakim AA. **Proc Soc Exp Biol Med** 1987 Jun;185(2):158–76

Natural killer cell function during interferon treatment of delta hepatitis. Actis GC, et al. **Prog Clin Biol Res** 1987; 234:305–8

Circadian changes in human natural killer-cell activity. Gatti G, et al. **Prog Clin Biol Res** 1987;227A:399–409

Cultured avian lymphocytes with natural killer cell activity. Schat KA, et al. **Prog Clin Biol Res** 1987;238:157–69

The relative resistance of lymphokine activated killer cells to suppression by prostaglandins and glucocorticoids. Imir T, et al. **Prostaglandins Leukotrienes Med** 1987 Jul; 28(2):111–8

Impaired natural killer cell activity among depressed patients. Irwin M, et al. **Psychiatry Res** 1987 Feb;20(2):181–2

Life events, depression, and natural killer cell activity. Irwin M, et al. **Psychopharmacol Bull** 1986;22(4):1093–6

Role of target and effector cell structures in natural killer–mediated cytotoxicity. Tazzari PL, et al. **Ric Clin Lab** 1986 Jul–Sep;16(3):443–7

Peripheral blood NK cells in patients with extrinsic allergic alveolitis: phenotype and function. Trentin L, et al. **Sarcoidosis** 1986 Mar;3(1):47–51

Impaired alpha-interferon production and natural killer activity in blood mononuclear cells in myelodysplastic syndromes. Okabe M, et al. **Scand J Haematol** 1986 Aug; 37(2):111–7

Decreased natural killer cell activity versus normal natural killer cell markers in mononuclear cells from patients with smouldering leukemia. Sørskaar D, et al. **Scand J Haematol** 1986 Aug;37(2):154–61

Impaired indomethacin-boosting of the defective natural killer cell activity in patients with primary Sjögren's syndrome. Pedersen BK, et al. **Scand J Rheumatol [Suppl]** 1986;61:135–8

Natural killer cell activity in normal Chinese. Luo SF, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Apr;86(4):354–61

Chronic T cell leukemia with a NK phenotype reacting with anti-myelin-associated glycoprotein (MAG) mouse monoclonal antibody. Tanaka M, et al. **Tohoku J Exp Med** 1986 Oct;150(2):225–6

Expansion of a large granular lymphocyte subset that lacks natural killer activity in long-term kidney transplant recipients. Legendre C, et al. **Transplant Proc** 1987 Aug; 19(4):3394–5

Lytic effector cell function following kidney transplantation. Müller C, et al. **Transplant Proc** 1987 Apr;19(2):2932–8

Large granular lymphocyte subsets in long-term renal allograft recipients. Yip GH, et al. **Transplant Proc** 1987 Aug;19(4):3396–8

Kinetics of natural killer cell cytotoxicity during the graft-versus-host reaction. Relationship between natural killer cell activity, T and B cell activity, and development of histopathological alterations. Ghayur T, et al. **Transplantation** 1987 Aug;44(2):254–60

Graft-versus-host reactions in the beige mouse. An investigation of the role of host and donor natural killer cells in the pathogenesis of graft-versus-host disease. Ghayur T, et al. **Transplantation** 1987 Aug;44(2):261–7

Inhibition of hybrid resistance by 5-fluorouracil. Destruction of a Thy-1+ Lyt-1+2- spleen cell implicated in the expression of hybrid resistance. Kosmatopoulos K, et al. **Transplantation** 1987 Aug;44(2):202–8

Natural killer cell activity in cardiac transplant recipients. McGinnes K, et al. **Transplantation** 1987 Sep;44(3):460–3

The role of natural killer cells in resistance to allogeneic and parental hybrid resistance. Waterfall M, et al. **Transplantation** 1987 Feb;43(2):312–4

Isolation and characterization of porcine natural killer (NK) cells. Yang WC, et al. **Vet Immunol Immunopathol** 1987 Apr;14(4):345–56

NK-sensitivity of virus-carrier target cells. Cernescu C. **Virologie** 1986 Jul–Sep;37(3):167–73

Region E1a of highly oncogenic adenovirus 12 in transformed cells protects against NK but not LAK cytolysis. Kenyon DJ, et al. **Virology** 1986 Dec; 155(2):644–54

NK cells and tumor immunity: 1984. Herberman RB. **Year Immunol** 1985;:93–9

Natural cytotoxic activity in murine and human systems. A review. Lattime EC. **Year Immunol** 1986;2:261–6 (28 ref.)

Cellular immune response in Lyme disease: the response to mitogens, live Borrelia burgdorferi, NK cell function and lymphocyte subsets. Dattwyler RJ, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):151–9

[A comprehensive study on NK cells, beta 2-microglobulin and fibronectins in patients with collagen disease and blood stasis syndrome] Qin WZ. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Nov;6(11):655–8, 643 (Eng. Abstr.) **(Chi)**

[Natural killer cell activity of the peripheral blood in patients with hepatocellular carcinoma] Lin ZY, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Nov;8(6):417–20 (Eng. Abstr.) **(Chi)**

[Natural killer cell activity in patients with nasopharyngeal carcinoma] Lynn TC, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1986 Aug;19(3):177–82 (Eng. Abstr.) **(Chi)**

[Natural killer activity of peripheral blood in patients with aplastic anemia] Zhang RF, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Jun;25(6):350–2, 382 (Eng. Abstr.) **(Chi)**

[Preliminary study of the role of natural killer cells in human tumor immunity] Yin XY, et al. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Sep;15(3):179–82 (Eng. Abstr.) **(Chi)**

[Study on inhibition of 3H-TdR incorporation assay for NK cell activity of human peripheral blood] Zhang CJ, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun;18(2):126–8 (Eng. Abstr.) **(Chi)**

[Natural killer cells of the lung] Escudier E, et al. **Rev Pneumol Clin** 1987;43(3):117–20 (Eng. Abstr.) **(Fre)**

[Natural cellular immunity as the effector mechanism in tumor defense] Zielinski C, et al. **Acta Med Austriaca** 1987; 14(2):34–6 (Eng. Abstr.) **(Ger)**

[Deficit of natural killer cells (NK cells) in the peripheral blood of patients with atopic dermatitis] Reinhold U, et al. **Hautarzt** 1986 Aug;37(8):438–43 (Eng. Abstr.) **(Ger)**

[Myeloid antigens on human cloned natural killer cells] Werfel T, et al. **Immun Infekt** 1987 Apr;15(2):80–1 (Eng. Abstr.) **(Ger)**

[Clinicopathogenetic significance of K and NK blood lymphocytes in psoriasis] Mashkilleyson AL, et al. **Z Hautkr** 1986 Dec 15;61(24):1801–3 (Eng. Abstr.) **(Ger)**

[Natural killer (NK) cells: a defence mechanism in viral infections] Schattner A, et al. **Harefuah** 1986 Dec 15; 111(12):443–6 (38 ref.) **(Heb)**

[Natural killer (NK) cell activity in parents of children with bronchial asthma] Kurashige T, et al. **Arerugi** 1986 Oct; 35(10):997–1002 (Eng. Abstr.) **(Jpn)**

[Immunological studies on insulin-dependent diabetes mellitus (IDDM). I. Natural killer (NK) cell activity] Tomoda T, et al. **Arerugi** 1987 Mar;36(3):162–8 (Eng. Abstr.) **(Jpn)**

[Comparison of the effects of interferon of various types on the cytotoxic activity of NK cells] Dozono H, et al. **Gan No Rinsho** 1986 Oct;32(12):1557–60 (Eng. Abstr.) **(Jpn)**

[Enhancement of NK-activity and LAK-activity in combination therapy with interferon-alpha in a child with neuroblastoma] Fukushima K, et al. **Gan To Kagaku Ryoho** 1987 Aug;14(8):2597–9 **(Jpn)**

[Blocking factors in human blood which inhibit the cytotoxicity of lymphocytes] Kimoto Y, et al. **Gan To Kagaku Ryoho** 1987 Feb;14(2):453–8 (Eng. Abstr.) **(Jpn)**

[Effect of prostaglandin (delta 12-PGJ2) on host immunity—an experimental study] Matsuura H, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1936–7 **(Jpn)**

[Role of natural killer cells in the antimetastatic effect of defibrinogenation with batroxobin] Shibuya M, et al. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2286–92 (Eng. Abstr.) **(Jpn)**

[Augmentation of cytotoxicity of regional lymph node lymphocytes of the stomach by in vitro culture in IL2 contained medium] Akura Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Dec 20;21(10):2411–20 (Eng. Abstr.) **(Jpn)**

[Changes in Leu 7+ lymphocyte subset in the peripheral blood of cancer patients during radiotherapy—analysis with flow-cytometry] Inomata T, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Dec 20;21(10):2446–53 (Eng. Abstr.) **(Jpn)**

[Immunological studies on colorectal cancer] Funamoto M. **Nippon Geka Hokan** 1986 May 1;55(3):442–51 (Eng. Abstr.) **(Jpn)**

[Natural killer (NK) cell activity of peripheral blood in patients with diffuse panbronchiolitis (DPB)] Takeuchi M. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Sep; 24(9):959–69 (Eng. Abstr.) **(Jpn)**

[Cellular immunity in adult T-cell leukemia] Kannagi M. **Nippon Rinsho** 1986 Oct;44(10):2273–8 **(Jpn)**

[Ontogenic development of human natural killer (NK) cells and lymphokine activated killer (LAK) cells] Saito S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr; 39(4):591–8 (Eng. Abstr.) **(Jpn)**

[Natural killers and other cellular immunity indices in physiological pregnancy and pregnancy complicated by late toxicosis] Griaznova IM, et al. **Akush Ginekol (Mosk)** 1987 Apr;(4):15–8 (Eng. Abstr.) **(Rus)**

[Changes in the activity of natural killer cells in patients with benign and malignant ovarian neoplasms] Griaznova IM, et al. **Akush Ginekol (Mosk)** 1986 Sep;(9):39–43 (Eng. Abstr.) **(Rus)**

[Natural killers and interleukin-2 in mice of the strain MRL/MpJ-1pr/1pr] Khaitov RM, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):197–8 (Eng. Abstr.) **(Rus)**

[Regulation of the natural killer activity of lymphocytes from healthy donors and patients with chronic lympholeukemia through the interaction of T- and non-T cells] Khonina NA, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):321–3 (Eng. Abstr.) **(Rus)**

[Prophylactic effects of sodium oxybutyrate and lithium oxybutyrate on stress-induced depression of the activity of normal killers in mice] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):592–3 (Eng. Abstr.) **(Rus)**

[Effect of gangliosides on the cytotoxicity of natural killer cells from Syrian hamsters and sensitivity of target cells] Matveeva VA, et al. **Dokl Akad Nauk SSSR** 1987; 292(5):1278–80 **(Rus)**

[Effect of a delayed type hypersensitivity reaction on the cytotoxic activity of macrophages, natural and antibody-dependent killer cells] Gordienko SM. **Eksp Onkol** 1987;9(1):30–4 (Eng. Abstr.) **(Rus)**

[Cytotoxic activity and activation ability of Syrian hamster NK cells isolated in the Percoll density gradient] Matveeva VA, et al. **Eksp Onkol** 1987;9(1):34–7 (Eng. Abstr.) **(Rus)**

[Comparative analysis of the sensitivity to natural killers and macrophages of 3-methylcholanthrene-induced tumors in mice] Viksler VKh, et al. **Eksp Onkol** 1986;8(6):36–40 (Eng. Abstr.) **(Rus)**

[Activity of natural killer cells in hepatitis B] Ketiladze ES, et al. **Sov Med** 1987;(2):76–8 **(Rus)**

[Immunoregulatory lymphocyte subpopulations in patients with dilated and hypertrophic cardiomyopathies] Chumburidze VB, et al. **Ter Arkh** 1986;58(10):59–62 (Eng. Abstr.) **(Rus)**

[Immunological and morphological properties of in vitro transformed fibroblasts. III. Recognition by macrophages and activated lymphocytes of mouse and rat cells of various degrees of tumorigenicity] Lavrovskiĭ VA, et al. **Tsitologiia** 1987 May;29(5):589–95 (Eng. Abstr.) **(Rus)**

[Mouse splenocyte sensitization to normal tissue antigens and natural killer activity. III. The effect of partial hepatectomy] Malygin AM, et al. **Tsitologiia** 1986 Jul; 28(7):754–8 (Eng. Abstr.) **(Rus)**

[Heterogeneity of the effectors of natural killer activity in CBA mice] Polyntsev DG, et al. **Tsitologiia** 1986 Sep; 28(9):981–5 (Eng. Abstr.) **(Rus)**

[Natural killer cell activity in patients with focal scleroderma] Suchkova TN, et al. **Vestn Dermatol Venerol** 1986;(10):13–7 (Eng. Abstr.) **(Rus)**

[Natural killer activity of patients with chronic tonsillitis and chronic pneumonia] Kochetova SV, et al. **Vestn Otorinolaringol** 1987 Mar–Apr;(2):36–9 (Eng. Abstr.) **(Rus)**

[Inhibition of the cytotoxic activity of natural killer cells by glycosphingolipids. Effect of the structure of carbohydrate chains] Diatlovitskaia EV, et al. **Vopr Med Khim** 1987 May–Jun;33(3):95–8 (Eng. Abstr.) **(Rus)**

[Natural cytotoxic lymphocytes (natural killers) and their role in resistance to viral infections] Trushinskaia GN, et al.

Vopr Virusol 1987 Mar-Apr;32(2):142-51 (63 ref.) (Rus)
[Interferon-producing and cytotoxic activity of natural killer cells in multiple sclerosis patients] Sorokin AM, et al.
Zh Nevropatol Psikhiatr 1987;87(2):211-5 (Eng. Abstr.) (Rus)

METABOLISM

Decline of natural killer cell target binding and lytic activity in mice exposed to rotation stress. Kandil O, et al.
Health Psychol 1987;6(2):89-99

Ganglioside GM2 on the K562 cell line is recognized as a target structure by human natural killer cells. Ando I, et al. Int J Cancer 1987 Jul 15;40(1):12-7

One-signal requirement for interferon-gamma production by human large granular lymphocytes. Young HA, et al.
J Immunol 1987 Aug 1;139(3):724-7

Heterogeneity of human natural killer cells with respect to lectin-binding ability [published erratum appears in JNCI 1987 Jul;79(1):197] Frydecka I, et al. JNCI 1987 Jun; 78(6):1145-8

Inositol trisphosphate is generated by a rat natural killer cell tumor in response to target cells or to crosslinked monoclonal antibody OX-34: possible signaling role for the OX-34 determinant during activation by target cells. Seaman WE, et al. Proc Natl Acad Sci USA 1987 Jun; 84(12):4239-43

Lymphocyte subpopulations in the neonate: in vitro proliferation, IL-1 and IL-2 production by a subset of HNK-1-, OKT3-, OKT8+ lymphocytes displaying NK activity. Maccario R, et al. Thymus 1986;8(4):225-34

[Immunohistochemical and electron microscopic identification of serotonin, melatonin and beta-endorphin in the granules of natural killers] Dedenkov AN, et al.
Biull Eksp Biol Med 1986 Oct;102(10):491-3 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Persistence of vesicular stomatitis virus in cloned interleukin-2-dependent natural killer cell lines. Rosenthal KL, et al. J Virol 1986 Nov;60(2):539-47

PATHOLOGY

Large granular lymphocytes in bronchoalveolar lavage fluids from immunocompromised patients with cytomegalovirus pneumonitis. Escudier E, et al. Am J Clin Pathol 1986 Nov; 86(5):641-5

Malignant clonal expansion of large granular lymphocytes with a Leu-11+, Leu-7- surface phenotype: in vitro responsiveness of malignant cells to recombinant human interleukin 2. Koizumi S, et al. Blood 1986 Nov; 68(5):1065-73

Adult-onset cyclic neutropenia is associated with increased large granular lymphocytes. Loughran TP Jr, et al.
Blood 1986 Nov;68(5):1082-7

Natural killer cell activity in patients with carcinoma of the larynx and hypopharynx [letter] Ghoneum M, et al.
Laryngoscope 1986 Nov;96(11):1300

CD16+ NK lymphoproliferative disorders: cellular and molecular characterization. Landay A, et al.
Nat Immun Cell Growth Regul 1987;6(3):141-9

PHYSIOLOGY

Leu 7+, Leu 11a- acute T-lymphoblastic leukemia having low K cell activity and no NK cell activity. Falcão RP, et al. Am J Hematol 1987 Jan;24(1):101-5

Natural killer cell activity and ultrastructure in myeloproliferative reactions in infants with Down's syndrome. Miale TD, et al.
Am J Pediatr Hematol Oncol 1986 Fall;8(3):191-9

Pulmonary natural killer cell activity is reduced in patients with bronchogenic carcinoma. Weissler JC, et al.
Am Rev Respir Dis 1987 Jun;135(6):1353-7

Modulation of spontaneous immunoglobulin production by natural killer cells in rheumatoid arthritis. Tovar Z, et al.
Arthritis Rheum 1986 Dec;29(12):1435-9

The effects of hormone and protein increases during pregnancy on natural killer (NK) cell activity. Kurashige T, et al. Asia Oceania J Obstet Gynaecol 1986 Sep; 12(3):403-7

Immunologic regulator and effector functions in perimyocarditis, postmyocarditic heart muscle disease and dilated cardiomyopathy. Maisch B. Basic Res Cardiol 1986; 81 Suppl 1:217-41

In vitro regulation of human hematopoiesis by natural killer cells: analysis at a clonal level. Herrmann F, et al.
Blood 1987 Jan;69(1):246-54

Natural killer activity in human cyclic neutropenia [letter] Hara T, et al. Br J Haematol 1986 Nov;64(3):630-2

Rapid reappearance of large granular lymphocytes (LGL) with concomitant reconstitution of natural killer (NK) activity after human bone marrow transplantation (BMT). Niederwieser D, et al. Br J Haematol 1987 Mar;65(3):301-5

Rearrangement for the T-cell receptor gene and co-expression of immature T-cell markers and natural killer cell phenotype, in a patient with acute lymphoblastic leukaemia. Pizzolo G, et al. Br J Haematol 1987 Jan; 65(1):17-22

Cell-mediated tumor-killing effect studied by using bilayer lipid membranes. Vassilev PM, et al.
Cancer Biochem Biophys 1986 Dec;9(1):85-95

Nickel--magnesium interactions in carcinogenesis: dose effects and involvement of natural killer cells. Kasprzak KS, et al. Carcinogenesis 1987 Jul;8(7):1005-11

Double restriction in NK cell recognition is linked to transmethylation and can be triggered by asparagine-linked oligosaccharides on tumor cells. Kiyohara T, et al.
Cell Immunol 1987 May;106(2):223-33

Regulation of rat natural killing. II. Inhibition of cytolysis and activation by inhibitors of lipoxygenase: possible role of leukotrienes. Leung KH, et al. Cell Immunol 1986 Jul; 100(2):474-84

Phorbol-induced recruitment of lymphocytes for spontaneous cytolysis of natural killer-insensitive tumor targets. Nabi ZF, et al. Cell Immunol 1986 Jul; 100(2):485-500

Secretory granule proteoglycans of mast cells and natural killer cells. Stevens RL. Ciba Found Symp 1986;124:272-85

Clinical signification of natural killer activity in B-cell chronic lymphocytic leukemia. Alvarez-Mon M, et al.
Eur J Haematol 1987 Mar;38(3):268-73

Human large granular lymphocytes induce immunoglobulin synthesis after bone marrow transplantation. Brenner MK, et al. Eur J Immunol 1987 Jan;17(1):43-7

Administration of recombinant interleukin 2 to mice enhances production of hemopoietic and natural killer cells. Piguet PF, et al. Eur J Immunol 1986 Oct;16(10):1257-61

Cloned human CD3- lymphocytes with natural killer-like activity do not express nor rearrange T cell receptor gamma genes. Triebel F, et al. Eur J Immunol 1987 Aug; 17(8):1209-12

Compartmental analysis of resting and activated pulmonary natural killer cells. Prichard MG, et al. Exp Lung Res 1987; 12(3):239-51

Natural killer-cell activity, interferon-alpha 2 production, and interleukin-2 production in cyclosporine-treated and conventionally immunosuppressed human allograft recipients. Guillou PJ, et al. J Clin Immunol 1986 Sep; 6(5):373-80

Natural killer cell activity in patients with inflammatory bowel disease. Egawa S, et al. J Clin Lab Immunol 1986 Aug;20(4):187-92

Induction of calcium flux and enhancement of cytolytic activity in natural killer cells by cross-linking of the sheep erythrocyte binding protein (CD2) and the Fc-receptor (CD16). Anasetti C, et al. J Immunol 1987 Sep 15; 139(6):1772-9

rIL 2-induced proliferation of human circulating NK cells and T lymphocytes: synergistic effects of IL 1 and IL 2. Ben Aribia MH, et al. J Immunol 1987 Jul 15;139(2):443-51

NK-leukocyte chemotactic factor (NK-LCF): a large granular lymphocyte (LGL) granule-associated chemotactic factor. Greenberg AH, et al. J Immunol 1986 Nov 15;137(10):3224-30

Genomic organization of T cell gamma genes in human peripheral blood natural killer cells. Lanier LL, et al.
J Immunol 1986 Dec 1;137(11):3375-7

T cell receptor genes do not rearrange or express functional transcripts in natural killer cells of scid mice. Tutt MM, et al. J Immunol 1987 Apr 1;138(7):2338-44

Murine natural killer cells do not express functional transcripts of the alpha-, beta-, or gamma-chain genes of the T cell receptor. Tutt MM, et al. J Immunol 1986 Nov 1;137(9):2998-3001

Fibronectin and cellular cytotoxicity: evidence against a role for fibronectin in natural killer activity. Katzman M, et al. J Lab Clin Med 1987 Jul;110(1):75-82

Regulation of human large granular lymphocyte and T cell growth and function by recombinant interleukin 2: induction of interleukin 2 receptor and promotion of growth of cells with enhanced cytotoxicity. Yamada S, et al. J Leukocyte Biol 1987 Jun;41(6):505-17

Interactions of natural effector cells and prostaglandins in the control of metastasis. Fulton AM. JNCI 1987 Apr; 78(4):735-41

Antitumor, antiviral and natural killer-inducing activities of human recombinant interferon-alpha in the guinea pig. Kataoka T, et al. Jpn J Med Sci Biol 1986 Apr;39(2):97-103

Studies on beige-nude mice with low natural killer cell activity. 1. Introduction of the bg gene into nude mice and the characteristics of beige-nude mice. Hioki K, et al. Lab Anim 1987 Jan;21(1):72-7

Mycoplasma pulmonis infection augments natural killer cell activity in mice. Lai WC, et al. Lab Anim Sci 1987 Jun; 37(3):299-303

A natural killer cell assay for the mink using a mouse lymphoma as the target cell line. Pace NC, et al.
Lab Anim Sci 1987 Apr;37(2):220-3

Enhancement of human lymphocyte natural killing function by non-opioid fragments of beta-endorphin. Kay N, et al. Life Sci 1987 Mar 16;40(11):1083-7

Regulation of virus infections by natural killer cells. A review. Welsh RM. Nat Immun Cell Growth Regul 1986; 5(4):169-99 (222 ref.)

A unique T-cell receptor complex expressed on human fetal lymphocytes displaying natural-killer-like activity. Moingeon P, et al. Nature 1986 Oct 16-22;323(6089):638-40

Regulation of human natural killing. IV. Role of lipoxygenase in regulation of natural killing activity. Leung KH, et al. Scand J Immunol 1986 Oct;24(4):371-80

[Suppression of human natural killer (NK) cell activity by differentiated mature macrophages in vitro] Chang ZL, et al. Shih Yen Sheng Wu Hsueh Pao 1986 Jun;19(2):211-25 (Eng. Abstr.) (Chi)

[Effect of low-frequency electromagnetic pulses on the activity of natural killer cells of monocytes from human peripheral blood. Preliminary results] Reale M, et al.
Boll Soc Ital Biol Sper 1986 Jun 30;62(6):743-7 (Eng. Abstr.) (Ita)

[Inflammation and production of monokines. Human defense tissue response--pre-inflammatory response and interstitial cells] Kyogoku M, et al. Nippon Rinsho 1987 May; 45(5):939-53 (30 ref.) (Jpn)

PHYSIOPATHOLOGY

Spontaneous growth of colonies with mature T lineage phenotype from T-cell-depleted bone marrow precursors in a patient with a lymphoproliferative disorder of the large granular lymphocytes. Pistoia V, et al.
Nat Immun Cell Growth Regul 1987;6(1):37-44

Large granular lymphocyte/natural killer cell proliferative disease: clinical and laboratory heterogeneity. Bassan R, et al. Scand J Haematol 1986 Aug;37(2):91-6

RADIATION EFFECTS

Early inhibition of natural and interferon-activated killers in endometrial cancer patients treated with local radiotherapy. Mandeville R, et al. Cancer Detect Prev 1987; 10(1-2):129-39

Inhibition of postbinding target cell lysis and of lymphokine-induced enhancement of human natural killer cell activity by in vitro exposure to ultraviolet B radiation. Elmets CA, et al. Cell Immunol 1987 Jan;104(1):47-58

Early effects of radium therapy on natural killer (NK) activity in patients with gynaecological malignancies. Frydecka I, et al. Folia Haematol (Leipz) 1986; 113(4):499-505

The effect of radiotherapy on the natural killer (NK)-cell activity of cancer patients. McGinnes K, et al.
J Clin Immunol 1987 May;7(3):210-7

Analysis of the effect of a sunscreen agent on the suppression of natural killer cell activity induced in human subjects by radiation from solarium lamps. Hersey P, et al.
J Invest Dermatol 1987 Mar;88(3):271-6

SECRETION

Immunoregulation in sarcoidosis. Perpetual secretory dysfunction of natural killer-like cells. Campbell PB, et al. Am Rev Respir Dis 1986 Nov;134(5):1029-35

TRANSPLANTATION

[Adoptive immunotherapy using cytapheresis] Takago H, et al. Rinsho Ketsueki 1986 Jul;27(7):1242-6 (Jpn)

[Cancer therapy with interleukin 2 and activated killer cell--a review] Jondal M, et al. Lakartidningen 1987 Apr 29; 84(18):1553-7 (Swe)

ULTRASTRUCTURE

Ultrastructural evidence that the granules of human natural killer cell clones store membrane in a nonbilayer phase. Caulfield JP, et al. Am J Pathol 1987 May;127(2):305-16

Immunoultrastructural studies of human NK cells: I. Ultracytochemistry and comparison with T cell subsets. Kang YH, et al. Anat Rec 1987 Mar;217(3):274-89

Immunoultrastructural studies of human NK cells: II. Effector-target cell binding and phagocytosis. Kang YH, et al. Anat Rec 1987 Mar;217(3):290-304

Ultrastructural analysis of human natural killer cell activation. Zarcone D, et al. Blood 1987 Jun;69(6):1725-36

Surface markers of NK cells in peripheral blood of patients with cirrhosis and hepatocellular carcinoma. Nakajima T, et al. Immunol Lett 1986 Aug;13(1-2):7-10

Functional gamma chain-associated T cell receptors on cerebrospinal fluid-derived natural killer-like T cell clones. Ang SL, et al. J Exp Med 1987 May 1;165(5):1453-8

Re: Ultrastructural differences between Leu-7+,11- NK cells and Leu-11+ NK cells [letter] Manara GC, et al.
J Immunol Methods 1987 Apr 2;98(1):155-6

KILLIFISH see under **CYPRINODONTIFORMES**

KIMURA DISEASE see **ANGIOLYMPHOID HYPERPLASIA WITH EOSINOPHILIA**

KINASES see **PHOSPHOTRANSFERASES, ATP**

KINDLING (NEUROLOGY)

Kindling: a model for epilepsy and memory. Majkowski J.
Acta Neurol Scand [Suppl] 1986;109:97-108 (92 ref.)

ACTH-related peptides, kindling and seizure disorders. Goldman H, et al. Adv Biochem Psychopharmacol 1987; 43:317-27

Relationship of glutamic acid and zinc to kindling of the rat amygdala: afferent transmitter systems and excitability in a model of epilepsy. Crawford IL.
Adv Exp Med Biol 1986;203:611-23

Role of the substantia nigra in the kindling model of limbic epilepsy. McNamara JO, et al. Adv Exp Med Biol 1986; 203:139-46

Excitatory amino acids and divalent cations in the kindling model of epilepsy. Slevin JT, et al. Adv Exp Med Biol 1986;203:587-98

Cortical stimulation does not cause short-term changes in the electroencephalogram [letter] Cohen LG, et al. **Ann Neurol** 1987 May;21(5):512-3

Kindling antagonism: a role for hindbrain norepinephrine in the development of site suppression following concurrent, alternate stimulation. Applegate CD, et al. **Brain Res** 1987 Mar 31;407(2):212-22

Decreased phosphorylation of synaptic glycoproteins following hippocampal kindling. Bank B, et al. **Brain Res** 1986 Dec 10;399(2):390-4

Kindled seizure induction alters and is altered by zinc absorption. Barry-Sterman M, et al. **Brain Res** 1986 Sep 24;383(1-2):382-6

Activity of locus coeruleus neurons in amygdala kindled rats: role in the suppression of afterdischarge. Bonhaus DW, et al. **Brain Res** 1987 Mar 24;407(1):102-9

Effect of protein malnutrition on hippocampal kindling: electrographic and behavioral measures. Bronzino JD, et al. **Brain Res** 1986 Oct 8;384(2):348-54

Prevention of cysteamine-induced myoclonus blocks the long-term inhibition of kindled seizures. Cottrell GA, et al. **Brain Res** 1987 May 26;412(1):161-4

An in vitro autoradiographic analysis of mu and delta opioid binding in the hippocampal formation of kindled rats. Crain BJ, et al. **Brain Res** 1987 Jun 2;412(2):343-51

The development and decay of kindling-induced increases in paired-pulse depression in the dentate gyrus. de Jonge M, et al. **Brain Res** 1987 Jun 2;412(2):318-28

Retardation of resynthesis of GABA-transaminase in some brain regions of amygdala-kindled rats. Itagaki S, et al. **Brain Res** 1986 Aug 27;381(1):77-84

Monoaminergic correlates of kindling. Lewis J, et al. **Brain Res** 1987 Feb 17;403(2):205-12

Serial changes of the susceptibility of epileptogenic focus during hippocampal kindling induced with low-frequency electrical stimulation in cats. Minabe Y, et al. **Brain Res** 1987 Apr 7;408(1-2):286-8

Saving-effect of stimulating pulses at low-frequency amygdaloid kindling in cats. Minabe Y, et al. **Brain Res** 1986 Oct 15;385(1):201-3

Critical period plasticity of kitten visual cortex is not associated with enhanced susceptibility to electrical kindling. Moneta ME, et al. **Brain Res** 1986 Nov; 395(1):104-9

Relations between amygdaloid and anterior neocortical kindling. Seidel WT, et al. **Brain Res** 1986 Oct 22; 385(2):375-8

The role of substantia nigra in the development of kindling: pharmacologic and lesion studies. Shin C, et al. **Brain Res** 1987 Jun 2;412(2):311-7

Habituation of the local cyclic GMP response during amygdaloid carbachol kindling in the rat. Wasterlain CG, et al. **Brain Res** 1986 Nov 12;397(2):345-52

The kindling model of epilepsy: a critical review. McNamara JO, et al. **CRC Crit Rev Clin Neurobiol** 1985;1(4):341-91 (299 ref.)

Feline agenesis of the corpus callosum. Hiyoshi T, et al. **Epilepsia** 1987 Jul-Aug;28(4):395-8

Failure of neocortical transplants to alter seizure susceptibility in previously kindled rats. Holmes GL, et al. **Epilepsia** 1987 May-Jun;28(3):242-50

Long-term increase in striatal thyrotropin-releasing hormone receptor binding caused by amygdaloid kindling. Kajita S, et al. **Epilepsia** 1987 May-Jun;28(3):228-33

The substantia nigra is an important site for the containment of seizure generalization in the kindling model of epilepsy. Morimoto K, et al. **Epilepsia** 1987 Jan-Feb;28(1):1-10

Differences between two feline epilepsy models in sleep and waking state disorders, state dependency of seizures and seizure susceptibility: amygdala kindling interferes with systemic penicillin epilepsy. Shouse MN. **Epilepsia** 1987 Jul-Aug;28(4):399-408

Decrease in number of hippocampal gamma-aminobutyric acid (GABA) immunoreactive cells in the rat kindling model of epilepsy. Kamphuis W, et al. **Exp Brain Res** 1986; 64(3):491-5

Kindling antagonism: effects of norepinephrine depletion on kindled seizure suppression after concurrent, alternate stimulation in rats. Applegate CD, et al. **Exp Neurol** 1986 Nov;94(2):379-90

Status epilepticus facilitated by pilocarpine in amygdala-kindled rats. Buterbaugh GG, et al. **Exp Neurol** 1986 Oct;94(1):91-102

Effect of locus ceruleus stimulation on the development of kindled seizures. Jimenez-Rivera C, et al. **Exp Neurol** 1987 Jan;95(1):13-20

Facilitation of secondary site kindling in the dorsal hippocampus following forebrain bisection. McIntyre DC, et al. **Exp Neurol** 1987 Jun;96(3):569-79

Status epilepticus following stimulation of a kindled hippocampal focus in intact and commissurotomized rats. McIntyre DC, et al. **Exp Neurol** 1986 Dec;94(3):554-70

Suppression of amygdala kindling with short interstimulus intervals: effect of norepinephrine depletion. McIntyre DC, et al. **Exp Neurol** 1987 Feb;95(2):391-402

Kindling of audiogenic seizures in Wistar rats: an EEG study. Marescaux C, et al. **Exp Neurol** 1987 Jul;97(1):160-8

Alteration in dentate neuronal activities associated with perforant path kindling. II. Decrease in granule cell excitability. Maru E, et al. **Exp Neurol** 1987 Apr; 96(1):33-45

Alteration in dentate neuronal activities associated with perforant path kindling. I. Long-term potentiation of excitatory synaptic transmission. Maru E, et al. **Exp Neurol** 1987 Apr;96(1):19-32

Alteration in dentate neuronal activities associated with perforant path kindling. III. Enhancement of synaptic inhibition. Maru E, et al. **Exp Neurol** 1987 Apr;96(1):46-60

Alterations in beta-adrenergic receptor binding in partially and fully amygdala-kindled juvenile and adult rats. Michelson HB, et al. **Exp Neurol** 1987 Jan;95(1):56-64

Low-frequency kindling as a new experimental model of epilepsy. Minabe Y, et al. **Exp Neurol** 1986 Nov; 94(2):317-23

Amygdala kindling modifies interhemispheric dopaminergic asymmetry. Mintz M, et al. **Exp Neurol** 1987 Apr; 96(1):137-44

Kindling-induced changes in EEG recorded during stimulation from the site of stimulation. III. Direct pharmacological manipulations of the kindled amygdala. Morimoto K, et al. **Exp Neurol** 1987 Jul;97(1):17-34

Kindling-induced changes in the EEG recorded during stimulation from the site of stimulation. II. Comparison between spontaneous and evoked potentials. Morimoto K, et al. **Exp Neurol** 1987 Jul;97(1):1-16

Deep prepyriform cortex kindling and its relation to amygdala kindling in the rat. Morimoto K, et al. **Exp Neurol** 1986 Dec;94(3):637-48

Kindling induced changes in EEG recorded during stimulation from the site of stimulation: collapse of GABA-mediated inhibition and onset of rhythmic synchronous burst. Morimoto K, et al. **Exp Neurol** 1986 Dec;94(3):571-84

Unchanged norepinephrine turnover and concentrations in amygdala-kindled rat brain regions 2 months postseizure. Okazaki MM, et al. **Exp Neurol** 1986 Oct;94(1):81-90

Enhanced bursting activity in the CA3 region of the mouse hippocampal slice without long-term potentiation in the dentate gyrus after systemic pentylenetetrazole kindling. Piredda S, et al. **Exp Neurol** 1986 Dec;94(3):659-69

Wet dog shakes in limbic versus generalized seizures. Rondouin G, et al. **Exp Neurol** 1987 Feb;95(2):500-5

Sleep disorders in kindled cats differ according to the timing of polygraphic recordings and of seizures in the sleep-wake cycle. Shouse MN. **Exp Neurol** 1987 Apr;96(1):158-62

Effects of allylglycine on photosensitivity in the lateral geniculate-kindled cat. Wada Y, et al. **Exp Neurol** 1986 Oct;94(1):228-36

Turtle hippocampal cortex contains distinct cell types, burst-firing neurons, and an epileptogenic subfield. Shen JM, et al. **J Neurophysiol** 1986 Dec;56(6):1626-49

Quantitative analysis of synaptic potentiation during kindling of the perforant path. Sutula T, et al. **J Neurophysiol** 1986 Sep;56(3):732-46

Activation of substantia nigra neurons: role in the propagation of seizures in kindled rats. Bonhaus DW, et al. **J Neurosci** 1986 Oct;6(10):3024-30

A synaptic model for the kindling effect. Alonso-deFlorida F, et al. **J Theor Biol** 1986 Jun 7;120(3):285-302

GABAergic system and amygdaloid kindling studied by immunohistochemistry using antibody against GABA. Itagaki S, et al. **Jpn J Psychiatry Neurol** 1986 Sep; 40(3):341-4

Change in brain thyrotropin-releasing hormone (TRH) mechanism of amygdaloid kindled rats. Kajita S, et al. **Jpn J Psychiatry Neurol** 1986 Sep;40(3):345-7

NMDA receptors of dentate gyrus granule cells participate in synaptic transmission following kindling. Mody I, et al. **Nature** 1987 Apr 16-22;326(6114):701-4

Presynaptic alteration of [3H]GABA transport in hippocampus by amygdala kindling. Chaudieu I, et al. **Neurosci Lett** 1987 May 19;76(3):329-34

Amygdaloid kindling increases enkephalin-like immunoreactivity but decreases dynorphin-A-like immunoreactivity in rat hippocampus. McGinty JF, et al. **Neurosci Lett** 1986 Oct 30;71(1):31-6

Spontaneous enhancement of synchronous discharges of pyramidal cells and synchronization of recurrent inhibitions in the kindled hippocampus of the rabbit. Harada H. **Nippon Ika Daigaku Zasshi** 1987 Feb;54(1):78-84

Changes in the size and shape of the synaptic vesicles in the sensorimotor cortex of the rat brain in the initial phases of kindling. Langmeier M, et al. **Physiol Bohemoslov** 1986; 35(5):437-46

[Specific lesions of serotoninergic cells in the raphe. Effect on kindling of the olfactory bulb in rats] Torrès JH, et al. **C R Soc Biol (Paris)** 1986;180(5):530-7 (Eng. Abstr.) **(Fre)**

[Effect of interstimulus interval on the kindling effect in reptiles (Gallotia galloti)] Gómez T, et al. **Arch Neurobiol (Madr)** 1987 Mar-Apr;50(2):88-94 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Do psychostimulants kindle panic disorder? [letter] Abraham HD. **Am J Psychiatry** 1986 Dec;143(12):1627-8

Changes in seizure susceptibility in rats following chronic administration of pentylenetetrazol. Schmidt J. **Biomed Biochim Acta** 1987;46(4):267-70

The effects of chronic desmethylimipramine on entorhinal cortical kindling in rats. Applegate CD, et al. **Brain Res** 1986 Nov 19;398(1):121-7

Intranigral dynorphin-1-13 suppresses kindled seizures by a naloxone-insensitive mechanism. Bonhaus DW, et al. **Brain Res** 1987 Mar 10;405(2):358-63

Microinjections of the gamma-aminobutyrate antagonist, bicuculline methiodide, into the caudate-putamen prevent amygdala-kindled seizures in rats. Cavalheiro EA, et al. **Brain Res** 1987 May 19;411(2):370-2

Ro 15-1788 suppresses the development of kindling through the benzodiazepine receptor. Morin AM. **Brain Res** 1986 Nov 12;397(2):259-64

Somatostatin-like immunoreactivity (SLI) in cisternal cerebrospinal fluid of rats kindled by pentylenetetrazol. Pitkänen A, et al. **Brain Res** 1987 Jul 21;416(1):180-2

The effect of hypophysectomy, ACTH fragments and thalamic lesions upon kindled epilepsy. Rogers OL 3d, et al. **Brain Res** 1987 Feb 10;403(1):96-104

Anti-seizure and anti-epileptogenic effect of gamma-vinyl gamma-aminobutyric acid in amygdaloid kindling. Shin C, et al. **Brain Res** 1986 Nov 29;398(2):370-4

The effects of atropine and reserpine on cortical kindling in the rat. Racine R, et al. **Can J Neurol Sci** 1979 Feb; 6(1):47-51

The effect of repeated seizures on anticonvulsant drug response in the kindling model. Mace JA, et al. **Electroencephalogr Clin Neurophysiol** 1987 Aug;67(2):171-5

Acute effect of anticonvulsants on amygdaloid kindled seizures induced with low-frequency stimulations. Minabe Y, et al. **Epilepsia** 1987 May-Jun;28(3):222-7

Failure of ACTH to alter transfer kindling in the immature brain. Thompson J, et al. **Epilepsia** 1987 Jan-Feb;28(1):17-9

Suppression of kindled seizures by cysteamine: dependence on injection-to-kindled seizure interval. Cottrell GA, et al. **Eur J Pharmacol** 1987 Feb 10;134(2):225-8

Interactions of aminophylline and three benzodiazepine compounds with amygdala-kindled seizures in rats. Albertson TE, et al. **Exp Neurol** 1987 Sep;97(3):725-9

Modification of amygdala-kindled postictal inhibition by pentylenetetrazol and diazepam. Albertson TE. **Exp Neurol** 1987 Sep;97(3):626-34

Postictal events in amygdala-kindled female rats with and without estradiol replacement. Buterbaugh GG. **Exp Neurol** 1987 Mar;95(3):697-713

Kindling by repeated intraperitoneal or intracerebral injection of picrotoxin transfers to electrical kindling. Cain DP. **Exp Neurol** 1987 Aug;97(2):243-54

Effects of treatment with scopolamine and naloxone, singly and in combination, on amygdala kindling. Cain DP, et al. **Exp Neurol** 1987 Apr;96(1):97-103

DSP-4 treatment accelerates kindling. Carre G, et al. **Exp Neurol** 1986 Dec;94(3):812-6

Increased susceptibility to hippocampal and amygdala kindling following intrahippocampal kainic acid. Feldblum S, et al. **Exp Neurol** 1987 Aug;97(2):255-69

Evidence for a relationship between amphetamine sensitization and electrical kindling of the amygdala. Kirkby RD, et al. **Exp Neurol** 1987 Aug;97(2):270-9

Effect of microinjections of gamma-vinyl GABA or isoniazid into substantia nigra on the development of amygdala kindling in rats. Löscher W, et al. **Exp Neurol** 1987 Mar; 95(3):622-38

Antagonism of central but not peripheral cholinergic receptors retards amygdala kindling in rats. Westerberg V, et al. **Exp Neurol** 1987 Jan;95(1):194-206

The dendritic origins of penicillin-induced epileptogenesis in CA3 hippocampal pyramidal cells. Swann JW, et al. **J Neurophysiol** 1986 Dec;56(6):1718-38

Effects of clobazam on amygdaloid and hippocampal kindled seizures in rats. Ichimaru Y, et al. **J Pharmacobiodyn** 1987 May;10(5):189-94

Alpha-2 receptors mediate an endogenous noradrenergic suppression of kindling development. Gellman RL, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):891-8

Cocaine kindling [letter] Murray GB. **JAMA** 1986 Dec 12; 256(22):3094-5

Effects of hexachlorocyclohexane isomers on the acquisition of kindled seizures. Stark LG, et al. **Neurobehav Toxicol Teratol** 1986 Sep-Oct;8(5):487-91

Prenatal ethanol exposure alters rat brain morphology but does not affect amygdaloid kindling. Viirre E, et al. **Neurobehav Toxicol Teratol** 1986 Nov-Dec;8(6):615-20

The effect of exogenous GM1 ganglioside on kindled-amygdaloid seizures. Albertson TE, et al. **Neuropharmacology** 1987 Feb-Mar;26(2-3):261-4

Effects of the benzodiazepine antagonists RO 15-1788, CGS-8216 and PK-11195 on amygdaloid kindled seizures and the anticonvulsant efficacy of diazepam. Albertson TE, et al. **Neuropharmacology** 1986 Nov;25(11):1205-11

Selective changes in the in vivo effects of benzodiazepine receptor ligands after chemical kindling with FG 7142. Little HJ, et al. **Neuropharmacology** 1987 Jan;26(1):25-31

Glycine potentiates the anticonvulsant action of diazepam and phenobarbital in kindled amygdaloid seizures of rats. Peterson SL. **Neuropharmacology** 1986 Dec;25(12):1359-63

Effect of opiates on the parameters of seizures in rats with full amygdaloid-kindled convulsions. Schwark WS, et al. **Neuropharmacology** 1986 Aug;25(8):839-44

Effects of selective mu- and delta-opioid peptides on kindled amygdaloid seizures in rats. Böhme GA, et al. **Neurosci Lett** 1987 Feb 24;74(2):227-31

Diazepam restores the increased [3H]glutamate binding to hippocampal synaptic membranes in the amygdaloid-kindled rat. Oka J, et al. **Neurosci Res** 1987 Feb;4(3):185-94

Effect of pentylenetetrazol-induced convulsions on the

development and expression of limbic kindled seizures. Gramlich CA, et al. **Pharmacol Biochem Behav** 1987 Jan; 26(1):159–65

Pseudoanaphylactic reaction to procaine penicillin and kindling [letter] Ilechukwu ST. **Psychiatr J Univ Ottawa** 1987 Jun;12(2):109–10

[Chemical kindling induced by microinjection of Coriaria lactone into hippocampus in rabbits] Chen QX, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun;18(2):111–4 (Eng. Abstr.) (Chi)

[Changes of the dehydrogenase activity in the hippocampus in the korazol-induced kindling phenomenon] Moiseev IN, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):10–2 (Eng. Abstr.) (Rus)

[State of the antioxidant system during corazole kindling in rats] Tupeev IR, et al. **Biull Eksp Biol Med** 1987 Aug; 104(8):167–9 (Eng. Abstr.) (Rus)

KINESICS

Body language. Findlay D. **Aust Fam Physician** 1987 Mar; 16(3):229–31, 233, 236

Cognitive disorders of infantile autism: a study employing the WISC, spatial relationship conceptualization, and gesture imitations. Ohta M. **J Autism Dev Disord** 1987 Mar; 17(1):45–62

Evaluation and integration of speech and pointing gestures during referential understanding. Thompson LA, et al. **J Exp Child Psychol** 1986 Aug;42(1):144–68

The interest of collateral activities in ergonomics. Delvolvé N. **J Hum Ergol (Tokyo)** 1986 Jun;15(1):35–45

Verbal and non-verbal behaviour of doctors while conveying distressing information. Méndez A, et al. **Med Educ** 1986 Sep;20(5):437–43

[Body language and dance] Haselbach B. **Schweiz Rundsch Med Prax** 1986 Aug 26;75(35):1014–8 (Eng. Abstr.) (Ger)

KINESIS see under **ORIENTATION**

KINESTHESIS

The constitution of space perception: a phenomenological perspective. Scheerer E. **Acta Psychol (Amst)** 1986 Dec; 63(1–3):157–73

Oral sensorimotor defects in patients with Parkinson's disease. Diamond SG, et al. **Adv Neurol** 1987;45:335–8

Persistent mal de debarquement syndrome: a motion-induced subjective disorder of balance. Brown JJ, et al. **Am J Otolaryngol** 1987 Jul–Aug;8(4):219–22

An investigation regarding the use of a dynamic seat-pan display for training and as a device for communicating roll-axis motion information. Martin EA. **Aviat Space Environ Med** 1986 Dec;57(12 Pt 1):1189–93

Pedal asymmetry in the reproduction of spatial locations. Carnahan H, et al. **Cortex** 1987 Mar;23(1):157–9

Measurement of kinaesthetic sensitivity [letter] Elliott J, et al. **Dev Med Child Neurol** 1986 Aug;28(4):543–4

Psychophysical methods for equating performance between alternative motion simulators. Flach JM, et al. **Ergonomics** 1986 Nov;29(11):1423–38

Imagined spatial transformation of one's body. Parsons LM. **J Exp Psychol [Gen]** 1987 Jun;116(2):172–91

Kinesthetic aftereffects and individual differences in carryover effects. Baker AH, et al. **J Gen Psychol** 1986 Jul;113(3):277–83

Position sense in a damaged knee [letter] Marcus JC. **J Neurol Neurosurg Psychiatry** 1987 May;50(5):651

Correlations between objective measures of function and a clinical knee rating scale following total knee replacement. Gore DR, et al. **Orthopedics** 1986 Oct;9(10):1363–7

Tactile/kinesthetic stimulation effects on preterm neonates [letter] Saigal S, et al. **Pediatrics** 1987 Jan;79(1):165–6

Transfer of sensory-integration training. Crabtree DA, et al. **Percept Mot Skills** 1987 Apr;64(2):643–9

Visual recognition of equivalent tactile-kinesthetic and verbal information in short-term memory. Kazen-Saad M. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):547–52

Organizational effects on recall of a movement series by mildly mentally retarded adolescents. Porretta DL. **Percept Mot Skills** 1986 Oct;63(2 Pt 2):775–8

A psychophysical measure of visual and kinaesthetic spatial discriminative abilities of adults and children. Manyam VJ. **Perception** 1986;15(3):313–24

The optomotor response and induced motion of the self. Rock I, et al. **Perception** 1986;15(4):497–502

Kinaesthesis: its measurement, training and relationship to motor control. Laszlo JI, et al. **Q J Exp Psychol [A]** 1983 May;35 Pt 2:411–21

[Neurocyte reaction of the kinesthetic analyzer of rats to the action of vibration] Antipov VV, et al. **Kosm Biol Aviakosm Med** 1986 Sep–Oct;20(5):60–4 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Role of vision and kinesthesis in location and distance estimates. Gupta RK, et al. **Acta Psychol (Amst)** 1986 Jun; 62(2):141–59

Object-motion detection affected by concurrent self-motion perception: psychophysics of a new phenomenon. Probst T, et al. **Behav Brain Res** 1986 Oct;22(1):1–11

Somatosensory detection of microgeometry, macrogeometry and kinesthesia after localized lesions of the cerebral hemispheres in man. Roland PE. **Brain Res** 1987 Mar; 434(1):43–94 (100 ref.)

Somatosensory detection of microgeometry, macrogeometry and kinesthesia in man [published erratum appears in Brain Res 1987 May;434(2):241] Roland PE, et al. **Brain Res** 1987 Mar;434(1):1–42 (76 ref.)

Metabolic and perceptual responses while carrying external loads on the head and by yoke. Balogun JA, et al. **Ergonomics** 1986 Dec;29(12):1623–35

M.I.T./Canadian vestibular experiments on the Spacelab-1 mission: 6. Vestibular reactions to lateral acceleration following ten days of weightlessness. Arrott AP, et al. **Exp Brain Res** 1986;64(2):347–57

European vestibular experiments on the Spacelab-1 mission: 4. Thresholds of perception of whole-body linear oscillation. Benson AJ, et al. **Exp Brain Res** 1986; 64(2):264–71

Cognitive spatial-motor processes. 1. The making of movements at various angles from a stimulus direction. Georgopoulos AP, et al. **Exp Brain Res** 1987;65(2):361–70

M.I.T./Canadian vestibular experiments on the Spacelab-1 mission: 2. Visual vestibular tilt interaction in weightlessness. Young LR, et al. **Exp Brain Res** 1986; 64(2):299–307

Organization of postcranial kinesthetic projections to the ventrobasal thalamus in raccoons. Wiener SI, et al. **J Comp Neurol** 1987 Apr 22;258(4):496–508

Positive effects of tactile versus kinesthetic or vestibular stimulation on neuroendocrine and ODC activity in maternally-deprived rat pups. Pauk J, et al. **Life Sci** 1986 Dec 1;39(22):2081–7

Influence of head or trunk oscillations on visually induced self-motion perception in humans. Straube A, et al. **Neurosci Lett** 1987 May 6;76(2):245–8

Bandage backfall: labyrinthine and non-labyrinthine components. Chen YC, et al. **Physiol Behav** 1986; 37(5):805–14

[Mental rotation of kinesthetic hand images and modes of stimulus presentation] Sekiyama K. **Shinrigaku Kenkyu** 1987 Feb;57(6):342–9 (Eng. Abstr.) (Jpn)

[Relation of vestibular responses of cat cortical neurons and the duration and direction of sinusoidal rotation] Dem'ianenko VS. **Fiziol Zh SSSR** 1987 Apr;73(4):541–4 (Rus)

[Delayed choice according to sample in the monkey exposed to different probabilities of signal presentation] Nikitin VS. **Zh Vysh Nerv Deiat** 1987 Mar–Apr;37(2):359–61 (Rus)

KINETICS

The apparent Km is a misleading kinetic indicator. Plesner IW. **Biochem J** 1986 Oct 1;239(1):175–8

Definition of mean residence times in pharmacokinetics. Cutler DJ. **Biopharm Drug Dispos** 1987 Jan–Feb;8(1):87–97

Basic principles of pharmacokinetics. Nightingale CH, et al. **Clin Lab Med** 1987 Jun;7(2):267–78 (6 ref.)

Reimbursement for pharmacokinetic services. Maddox RR. **Drug Intell Clin Pharm** 1987 Mar;21(3):289–91

PKCALC: a BASIC interactive computer program for statistical and pharmacokinetic analysis of data. Shumaker RC. **Drug Metab Rev** 1986;17(3–4):331–48

Use of in vivo kinetic techniques to evaluate metabolism of nutrients. Young JW, et al. **Fed Proc** 1987 Feb;46(2):295–9

Time concepts in physics, biology, and pharmacokinetics. Bozenbaum H. **J Pharm Sci** 1986 Nov;75(11):1053–62

OMNE: a new robust membership-set estimator for the parameters of nonlinear models. Lahanier H, et al. **J Pharmacokinet Biopharm** 1987 Apr;15(2):203–19

Comparison of pharmacokinetic parameters determined by four different methods. Parab PV, et al. **Methods Find Exp Clin Pharmacol** 1987 Apr;9(4):251–60

Alternative to the steady-state method: derivation of reaction rates from first-passage times and pathway probabilities. Ninio J. **Proc Natl Acad Sci USA** 1987 Feb;84(3):663–7

KINETINS see under **PLANT GROWTH REGULATORS**

KINETOCARDIOGRAPHY

Effects of left atrial hemodynamics on apexcardiographic diastole. Mortarino G, et al. **Acta Cardiol (Brux)** 1986; 41(3):227–32

Functional correlates of the kinetocardiographic bulge in infarcted patients. Onofri M, et al. **Acta Cardiol (Brux)** 1986; 41(3):233–5

Comparative effects of calcium-channel blockers and beta-adrenergic blocker on early diastolic time intervals and A-wave ratio in patients with hypertrophic cardiomyopathy. Doiuchi J, et al. **Clin Cardiol** 1987 Jan; 10(1):26–30

A phase-polycardiographic and apex cardiographic appraisal of the effect of treatment of left ventricular disorders in patients with chronic renal failure. Dimitrakov D. **Folia Med (Plovdiv)** 1986;28(3):17–21

[The 4th heart sound and values of diastolic indicators in the apexcardiogram in patients after myocardial infarct. The effect of nitroglycerin] Hladký M, et al. **Vnitr Lek** 1986 May;32(5):438–47 (Eng. Abstr.) (Cze)

[Echo-phono-mechanography: a useful technic for understanding or correcting cardiac auscultation] Perrenoud JJ, et al. **Schweiz Rundsch Med Prax** 1986 Oct 28;75(44):1333–7 (Eng. Abstr.) (Fre)

[The kinetocardiogram in the early stage of arterial hypertension] Walewski Z. **Pol Tyg Lek** 1969 Dec 1; 24(48):1840–2 (Eng. Abstr.) (Pol)

[Echo- and apex cardiographic indices of ischemic heart disease patients] Vysotskaia ZhM, et al. **Vrach Delo** 1986 Oct;(10):102–4 (Eng. Abstr.) (Rus)

[Methods and technical aspects of polycardiographic examinations] Riečanský I, et al. **Bratisl Lek Listy** 1986 Dec;86(6):654–61 (Eng. Abstr.) (Slo)

[Interval from the electrocardiogram R wave to the peak of the first lead of the apexcardiogram: correlations with the echocardiogram] Madoery R, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1985;43(1):23–6 (Eng. Abstr.) (Spa)

METHODS

Evaluation of chest wall distortion related to cardiac activity by structured lights. A study of the apical impulse by the Moiré technique. Brandt CM, et al. **Acta Cardiol (Brux)** 1986;41(3):207–13

[Use of structured lights in the evaluation of thoracic deformity bound with cardiac activity. Study of apical impulse using Moiré technics] Brandt CM, et al. **Arch Mal Coeur** 1986 Sep;79(10):1535–8 (Eng. Abstr.) (Fre)

KININASE II

Fluorescent inhibitor probes of enzyme active site conformation: anion binding to angiotensin-converting enzyme. Martin M, et al. **Anal Biochem** 1987 Mar; 161(2):341–7

The complete amino acid sequence of rat submaxillary gland tonin does contain the aspartic acid at the active site: confirmation by protein sequence analysis. Lazure C, et al. **Biochem Cell Biol** 1987 Apr;65(4):321–37

Proceedings of the International Symposium on Pharmacological and Clinical Evaluation of Converting Enzyme Inhibitors. Kyoto, Japan, July 27–29, 1986. **Clin Exp Hypertens [A]** 1987;9(2–3):217–701

ADVERSE EFFECTS

Sulindac and cough induced by converting enzyme inhibitors [letter] Nicholls MG, et al. **Lancet** 1987 Apr 11;1(8537):872

ANALYSIS

Effects of changes in pulmonary perfusion and surface area on endothelial ACE activity. Pitt BR, et al. **Ann Biomed Eng** 1987;15(2):229–38 (35 ref.)

Serum and synovial fluid levels of angiotensin converting enzyme in polyarthritis. Lowe JR, et al. **Ann Rheum Dis** 1986 Nov;45(11):921–4

Fucosterol decreases angiotensin converting enzyme levels with reduction of glucocorticoid receptors in endothelial cells. Hagiwara H, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):348–52

Angiotensin-converting enzyme content of human spermatozoa and its release during capacitation. Foresta C, et al. **Fertil Steril** 1987 Jun;47(6):1000–3

Immunolocalization of angiotensin I converting enzyme in the human male genital tract by the avidin-biotin-complex method. Vivet F, et al. **Histochemistry** 1987;86(5):499–502

Influence of neuraminidase treatment on the electrophoretic behaviour of angiotensin converting enzyme from human tissues. Scharpé S, et al. **J Clin Chem Clin Biochem** 1986 Aug;24(8):597–600

Cellular and subcellular immunohistochemical localization of angiotensin-converting enzyme in the rat adrenal gland. Laliberte F, et al. **Lab Invest** 1987 Apr;56(4):364–71

Angiotensin-converting enzyme: characteristics in human skin fibroblasts. Smallridge RC, et al. **Metabolism** 1986 Oct; 35(10):899–904

Effect of monocrotaline ingestion on the distribution of protein and angiotensin converting enzyme activity in the rat lung. Shale DJ, et al. **Thorax** 1986 Dec;41(12):914–8

ANTAGONISTS & INHIBITORS

Symposium: Converting enzyme inhibition. New trends in the treatment of hypertension and congestive heart failure. Brussels, Belgium, June 21, 1985. **Acta Cardiol (Brux)** 1986; 41(5):329–96

Converting enzyme inhibition: search for additional mechanisms of action. Bogaert MG. **Acta Cardiol (Brux)** 1986;41(5):335–9 (20 ref.)

Clinical pharmacology of the angiotensin converting enzyme inhibitor, enalapril. Brunner HR, et al. **Acta Cardiol (Brux)** 1986;41(5):341–50 (30 ref.)

Why are the angiotensin converting enzyme inhibitors rational in the treatment of congestive heart failure? Joy M. **Acta Cardiol (Brux)** 1986;41(5):375–80 (25 ref.)

Competitive inhibitor binding assay (CIBA) of ACE inhibitors. Grönhagen-Riska C, et al. **Acta Med Scand [Suppl]** 1986;714:43–7

Effects of three different kininase II inhibitors on blood pressure and renal vasoactive substances in essential hypertensives. Abe K, et al. **Adv Exp Med Biol** 1986;198 Pt B:269–77

In vivo determinations of Ki values for angiotensin converting enzyme inhibitors. Catravas JD, et al. **Adv Exp Med Biol** 1986;198 Pt A:453–9

Carboxyalkyl peptide inhibitors of kininase II: chiral synthesis. Chung AY, et al. **Adv Exp Med Biol** 1986;198 Pt A:411–7

Radiolabelled substrates for angiotensin converting enzyme. Chung AY, et al. **Adv Exp Med Biol** 1986;198 Pt A:427–33

Slow tight binding inhibitors of angiotensin converting enzyme. Ryan JW, et al. **Adv Exp Med Biol** 1986;198 Pt A:419–25

A symposium: Ramipril—a new angiotensin converting enzyme inhibitor. May 2–4, 1986, Brussels, Belgium. Proceedings. **Am J Cardiol** 1987 Apr 24;59(10):1D–177D

Clinical pharmacology of ramipril. Ball SG, et al. **Am J Cardiol** 1987 Apr 24;59(10):23D–27D

Ramipril: review of pharmacology. Becker RA, et al. **Am J Cardiol** 1987 Apr 24;59(10):3D–11D

Acute hemodynamic, hormonal and electrolyte effects of ramipril in severe congestive heart failure. Crozier IG, et al. **Am J Cardiol** 1987 Apr 24;59(10):155D–163D

Influence of renal function on the pharmacokinetics of ramipril (HOE 498). Debusmann ER, et al. **Am J Cardiol** 1987 Apr 24;59(10):70D–78D

Acute hemodynamic and hormonal effects of ramipril in chronic congestive heart failure and comparison with captopril. de Graeff PA, et al. **Am J Cardiol** 1987 Apr 24;59(10):164D–170D

Short- and long-term effects of ramipril in hypertension. de Leeuw PW, et al. **Am J Cardiol** 1987 Apr 24; 59(10):79D–82D

Pharmacokinetic interaction study with ramipril and digoxin in healthy volunteers. Doering W, et al. **Am J Cardiol** 1987 Apr 24;59(10):60D–64D

Baroreflex setting and sensitivity in normal subjects: effects of pharmacologic inhibition of the angiotensin I converting enzyme. Düsing R, et al. **Am J Cardiol** 1987 Apr 24; 59(10):50D–54D

Use of nuclear magnetic resonance imaging to show regression of hypertrophy with ramipril treatment. Eichstädt HW, et al. **Am J Cardiol** 1987 Apr 24; 59(10):98D–103D

Efficacy and safety of ramipril (HOE 498) in the treatment of hypertension: dose finding study [published erratum appears in Am J Cardiol 1987 Aug 1;60(4):A69] Fukiyama K, et al. **Am J Cardiol** 1987 Apr 24;59(10):121D–124D

Pharmacokinetics and effects on the renin–angiotensin system of ramipril in elderly patients. Gilchrist WJ, et al. **Am J Cardiol** 1987 Apr 24;59(10):28D–32D

Effect of ramipril, a new angiotensin converting enzyme inhibitor, on diurnal variations of blood pressure in essential hypertension. Kaneko Y, et al. **Am J Cardiol** 1987 Apr 24;59(10):86D–91D

Efficacy, tolerance and hormonal effects of a new oral angiotensin converting enzyme inhibitor, ramipril (HOE 498), in mild to moderate primary hypertension. Karlberg BE, et al. **Am J Cardiol** 1987 Apr 24;59(10):104D–109D

Pharmacokinetics of ramipril in the elderly. Meyer BH, et al. **Am J Cardiol** 1987 Apr 24;59(10):33D–37D

Why do the kidneys release renin in patients with congestive heart failure? A nephrocentric view of converting–enzyme inhibition. Packer M. **Am J Cardiol** 1987 Jul 1;60(1):179–84

Sympathetic nervous activity and noradrenaline reactivity during angiotensin converting enzyme inhibition. Philipp T, et al. **Am J Cardiol** 1987 Apr 24;59(10):55D–59D

Combined treatment of severe essential hypertension with the new angiotensin converting enzyme inhibitor ramipril. Predel HG, et al. **Am J Cardiol** 1987 Apr 24; 59(10):143D–148D

Systemic and regional hemodynamic profile of five angiotensin I converting enzyme inhibitors in the spontaneously hypertensive rat. Richer C, et al. **Am J Cardiol** 1987 Apr 24;59(10):12D–17D

Pharmacokinetics, converting enzyme inhibition and peripheral arterial hemodynamics of ramipril in healthy volunteers. Thuillez C, et al. **Am J Cardiol** 1987 Apr 24; 59(10):38D–44D

Ramipril for hypertension secondary to renal artery stenosis. Changes in blood pressure, the renin–angiotensin system and total and divided renal function. Tillman DM, et al. **Am J Cardiol** 1987 Apr 24;59(10):133D–142D

Effect of ramipril on 24-hour variability of blood pressure and heart rate in essential hypertension. Tochikubo O, et al. **Am J Cardiol** 1987 Apr 24;59(10):83D–85D

A double-blind study to compare the efficacy, tolerance and safety of two doses of the angiotensin converting enzyme inhibitor ramipril with placebo. Villamil AS, et al. **Am J Cardiol** 1987 Apr 24;59(10):110D–114D

Acute effects of the new angiotensin converting enzyme inhibitor ramipril on hemodynamics and carotid sinus baroreflex activity in congestive heart failure. Vogt A, et al. **Am J Cardiol** 1987 Apr 24;59(10):149D–154D

Dose–response relation of the angiotensin converting enzyme inhibitor ramipril in mild to moderate essential hypertension. Walter U, et al. **Am J Cardiol** 1987 Apr 24; 59(10):125D–132D

Blood pressure response of nephrectomized subjects and patients with essential hypertension to ramipril: indirect evidence that inhibition of tissue angiotensin converting enzyme is important. Wenting GJ, et al. **Am J Cardiol** 1987 Apr 24;59(10):92D–97D

Comparative double-blind study of ramipril and captopril in mild to moderate essential hypertension. Witte PU, et al. **Am J Cardiol** 1987 Apr 24;59(10):115D–120D

Therapeutic implications of converting-enzyme inhibitors in renal disease. Anderson S, et al. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):81–7

Renal effects of angiotensin-converting enzyme inhibition in cardiac failure. Dzau VJ. **Am J Kidney Dis** 1987 Jul; 10(1 Suppl 1):74–80

The treatment of renovascular hypertension: surgery, angioplasty, and medical therapy with converting-enzyme inhibitors. Hollenberg NK. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):52–60 (68 ref.)

Angiotensin-converting enzyme inhibitors: considerations regarding proteinuria. Lewis EJ. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):30–8

Adaptive and maladaptive actions of angiotensin II in patients with severe congestive heart failure. Packer M. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):66–73 (65 ref.)

Clinical experience with converting-enzyme inhibitors in hypertension. Weber MA. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):45–51 (23 ref.)

Effects of converting-enzyme inhibitors on the renin–angiotensin–aldosterone, bradykinin, and arachidonic acid–prostaglandin systems: correlation of chemical structure and biologic activity. Zusman RM. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):13–23 (65 ref.)

Update on the clinical utility of converting enzyme inhibitors in cardiovascular disease. November 10, 1985, Washington, D.C. **Am J Med** 1986 Oct 31;81(4C):1–50

Renal effects of angiotensin converting enzyme inhibitors in hypertension. Bauer JH, et al. **Am J Med** 1986 Oct 31; 81(4C):19–27

Clinical utility of angiotensin converting enzyme inhibitors in hypertension. Gavras I, et al. **Am J Med** 1986 Oct 31; 81(4C):28–31

Safety profiles of the angiotensin converting enzyme inhibitors captopril and enalapril. Irvin JD, et al. **Am J Med** 1986 Oct 31;81(4C):46–50 (12 ref.)

Angiotensin converting enzyme inhibitors in congestive heart failure. Overview in comparison of captopril and enalapril. Levine TB, et al. **Am J Med** 1986 Oct 31;81(4C):36–9

Calcium antagonists and the second drug for hypertensive therapy. Müller FB, et al. **Am J Med** 1986 Dec 15; 81(6A):25–9

Pharmacology of angiotensin converting enzyme inhibitors. A review. Nelson EB, et al. **Am J Med** 1986 Oct 31; 81(4C):13–8 (24 ref.)

Influence of diabetes mellitus on changes in left ventricular performance and renal function produced by converting enzyme inhibition in patients with severe chronic heart failure. Packer M, et al. **Am J Med** 1987 Jun;82(6):1119–26

Natural history of patients with congestive heart failure. Potential role of converting enzyme inhibitors in improving survival. Pitt B. **Am J Med** 1986 Oct 31;81(4C):32–5

Renal vasodilatation after inhibition of renin or converting enzyme in marmoset. Neisius D, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):H897–902

Responses to converting–enzyme inhibition and hemorrhage in newborn lambs and adult sheep. Rose JC, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R306–13

Antihypertensive, hemodynamic and autonomic profile of a new angiotensin converting enzyme inhibitor, SCH 33844 (spirapril). Baum T, et al. **Arch Int Pharmacodyn Ther** 1987 Apr;286(2):230–45

Myocardial and vascular effects of perindopril, a new converting enzyme inhibitor, during hypertension development in spontaneously hypertensive rats. Cadilhac M, et al. **Arch Int Pharmacodyn Ther** 1986 Nov; 284(1):114–26

Antihypertensive activity of a new ACE-inhibitor, SCH 33844, during repeated administration in spontaneously hypertensive rats. Monopoli A, et al. **Arch Int Pharmacodyn Ther** 1987 Apr;286(2):246–54

Angiotensin converting enzyme inhibitory activity of SCH 33844 (spirapril) in rats, dogs and monkeys. Sybertz EJ, et al. **Arch Int Pharmacodyn Ther** 1987 Apr;286(2):216–29

A single-blind, randomized, cross-over study of angiotensin-converting enzyme inhibitor and triamterene and hydrochlorothiazide in the treatment of mild to moderate hypertension in the elderly. Woo J, et al. **Arch Intern Med** 1987 Aug;147(8):1386–9

Influence of the new angiotensin converting enzyme inhibitor ramipril on several models of acute inflammation and the adjuvant arthritis in the rat. Caspritz G, et al. **Arzneimittelforschung** 1986 Nov;36(11):1605–8

Reproductive toxicity studies of rentiapril. Cozens DD, et al. **Arzneimittelforschung** 1987 Feb;37(2):164–9

Humoral and blood pressure effects of the angiotensin converting enzyme inhibitor ramipril in essential hypertension. Lenz T, et al. **Arzneimittelforschung** 1986 Nov;36(11):1693–6

General pharmacological properties of the potent angiotensin converting enzyme inhibitor rentiapril. Yamauchi H, et al. **Arzneimittelforschung** 1987 Feb;37(2):157–64

Isolation of angiotensin-converting enzyme inhibitor from porcine plasma. Hazato T, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):52–5

Inactivation of angiotensin converting enzyme by sodium nitroprusside. Park JW, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1048–53

Effects of angiotensin I converting enzyme inhibition and calcium channel blockade on plasma levels of active and inactive renin in conscious rabbits. Eisen V, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2331–5

Measurement of angiotensin converting enzyme inhibitors in serum by radioinhibitor binding displacement assay. Jackson B, et al. **Biochem Pharmacol** 1987 Apr 15; 36(8):1357–60

Kinetics of slow, tight-binding inhibitors of angiotensin converting enzyme. Goli UB, et al. **Biochemistry** 1986 Nov 4;25(22):7136–42

The pharmacodynamics and dose–response relationships of the angiotensin converting enzyme inhibitor, cilazapril, in essential hypertension. Ajayi AA, et al. **Br J Clin Pharmacol** 1986 Aug;22(2):167–75

Evolution of diuretics and ACE inhibitors, their renal and antihypertensive actions—parallels and contrasts. Lant AF. **Br J Clin Pharmacol** 1987;23 Suppl 1:27S–41S

Haemodynamic and humoral effects of oral perindopril, an angiotensin converting enzyme inhibitor, in man. Lees KR, et al. **Br J Clin Pharmacol** 1987 Feb;23(2):159–64

BW A575C, a chemically novel agent with angiotensin converting enzyme inhibitor and beta-adrenoceptor-blocking properties. Allan G, et al. **Br J Pharmacol** 1987 Mar;90(3):609–15

The effect of enalapril (MK421), an angiotensin converting enzyme inhibitor, on the conscious pregnant ewe and her foetus. Pipkin FB, et al. **Br J Pharmacol** 1986 Mar; 87(3):533–42

Moderate sodium restriction with angiotensin converting enzyme inhibitor in essential hypertension [letter] Waller PC, et al. **Br Med J [Clin Res]** 1987 Mar 21;294(6574):769

Synthesis and angiotensin converting enzyme–inhibitory activity of 1,5-benzothiazepine and 1,5-benzoxazepine derivatives. III. Itoh K, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep;34(9):3747–61

Design and synthesis of N-[N-[(S)-1-ethoxycarbonyl-3-phenylpropyl]-L-alanyl]-N-(indan-2-yl)glycine (CV-3317), a new, potent angiotensin converting enzyme inhibitor. Miyake A, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):2852–8

Angiotensin converting enzyme–inhibitory triterpenes from Ganoderma lucidum. Morigiwa A, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):3025–8

An angiotensin-converting enzyme (ACE) inhibitor in human serum. Increased sensitivity of the serum ACE assay for detecting active sarcoidosis. Lieberman J, et al. **Chest** 1986 Dec;90(6):869–75

Effects of E. coli endotoxin on rat plasma angiotensin converting enzyme activity in vitro and in vivo. Deitz DM, et al. **Circ Shock** 1987;21(1):23–9

Converting-enzyme inhibition and coronary blood flow. Magrini F, et al. **Circulation** 1987 Jan;75(1 Pt 2):I168–74

Direct determination of angiotensin-converting enzyme inhibitors in plasma by radioenzymatic assay. Reydel-Bax P, et al. **Clin Chem** 1987 Apr;33(4):549–53

Competitive inhibitor binding assay (CIBA) of captopril and other ACE inhibitors. Grönhagen-Riska C, et al. **Clin Chim Acta** 1987 Jan 15;162(1):53–60

Proceedings of the International Symposium on Pharmacological and Clinical Evaluation of Converting Enzyme Inhibitors. Kyoto, Japan, July 27–29, 1986. **Clin Exp Hypertens [A]** 1987;9(2–3):217–701

Synergism of CE-inhibition and diuresis. A study with ramipril, piretanide and HCT in SHR. Becker RH, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):357–60

Effect of prolonged angiotensin converting enzyme inhibition on ambulatory blood pressure of normotensive volunteers. Bidiville J, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):583–6

Pharmacology of converting enzyme inhibitors. Brunner HR, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):275–88 (56 ref.)

Effects of chronic treatment with ramipril, a new ACE blocking agent, on presynaptic sympathetic nervous system of SHR. Dominiak P, et al. **Clin Exp Hypertens [A]** 1987; 9(2–3):369–73

Clinical response to angiotensin-converting enzyme inhibition in cardiac failure. Dzau VJ, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):521–9 (23 ref.)

Angiotensin converting enzyme inhibition reduces ACTH release due to hypoglycaemia. Glorioso N, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):665–70

The renal response to converting enzyme inhibition and the treatment of sodium-sensitive hypertension. Hollenberg NK, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):531–41

Angiotensin converting enzyme inhibition in plasma and tissues. Johnston CI, et al. **Clin Exp Hypertens [A]** 1987; 9(2–3):307–21

Effect of chronic treatment with angiotensin I converting enzyme inhibitors on circulating atrial natriuretic polypeptide in spontaneously hypertensive rats. Kohno M, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):693–6

No substrate specificity of converting enzyme for N-terminal substituted angiotensin I in man. Kono T, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):261–5

Antihypertensive action of angiotensin-I converting enzyme inhibitors in the kidney. Matsukawa S, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):391–4

Long-term effects of converting enzyme inhibitors on split renal function in renovascular hypertension. Miyamori I, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):629–32

Monocrotaline-induced cardiopulmonary injury in rats: modification by thiol and nonthiol ACE inhibitors. Molteni A, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):381–5

Single oral administration of captopril may not bring an improvement in screening of primary aldosteronism. Muratani H, et al. **Clin Exp Hypertens [A]** 1987; 9(2–3):611–4

Difference in response of vascular angiotensin converting enzyme activity to cilazapril in SHR. Nakamura Y, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):351–5

Side effects and metabolic effects of converting-enzyme inhibitors. Nicholls MG. **Clin Exp Hypertens [A]** 1987; 9(2–3):653–64 (47 ref.)

Central and peripheral inhibition of angiotensin converting enzyme (ACE) in the SHR: correlation with the antihypertensive activity of ACE inhibitors. Norman JA, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):461–8

Side effects and metabolic effects of converting enzyme inhibitors. Omae T, et al. **Clin Exp Hypertens [A]** 1987; 9(2–3):635–42

Role of endogenous angiotensin II and prostaglandins in the antihypertensive mechanism of angiotensin converting enzyme inhibitor in hypertension. Omata K, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):569–74

Angiotensin–converting enzyme inhibitors: accomplishments and challenges. Petrillo EW Jr, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):235–41

Perindopril, a new angiotensin converting enzyme inhibitor—clinical pharmacological studies in healthy subjects. Reid JL, et al. **Clin Exp Hypertens [A]** 1987; 9(2–3):361–4

The clinical use of angiotensin converting enzyme inhibitors in hypertension and cardiac failure. Robertson JI, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):489–511 (29 ref.)

Protective effect of angiotensin converting enzyme inhibitors (CEI): captopril and perindopril on vulnerability to ventricular fibrillation during myocardial ischemia and reperfusion in rat. Rochette L, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):365–8

Changes in arterial distensibility produced by converting enzyme inhibitors in hypertensive humans. Safar ME, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):289–95

Heart and vascular wall as targets for tissue converting enzyme inhibition. Schölkens BA, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):427–33

Hypotensive effects of the renin inhibitor (RI–78) and the converting enzyme inhibitor (teprotide) in conscious monkeys. Takaori K, et al. **Clin Exp Hypertens [A]** 1987; 9(2–3):387–90

Role of renin–angiotensin and kallikrein–kinin systems on the mechanism of the hypotensive effects of converting enzyme inhibitor, alacepril. Tanaka S, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):605–9

Tissue converting enzyme inhibition and cardiovascular effects of converting enzyme inhibitors. Unger T, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):417–26 (25 ref.)

Metabolic and blood pressure effects of angiotensin converting enzyme inhibitors in mild–to–moderate American hypertensives. Weinberger MH. **Clin Exp Hypertens [A]** 1987;9(2–3):643–52

Comparison of chronic inhibition of renin and converting enzyme in the marmoset. Wood JM, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):337–43

Effects of angiotensin converting enzyme inhibitors MK 421, SA 446 and captopril on renal prostaglandin E and kinins in conscious normotensive rats. Yasujima M, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):401–4

Effects of chronic administration of angiotensin converting enzyme (ACE) inhibitors on blood pressure and tissue ACE activity in the SHR. Zimmerman MB, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):473–6

Pharmacokinetics and acute effect on the renin–angiotensin system of delapril in patients with chronic renal failure. Shionoiri H, et al. **Clin Nephrol** 1987 Feb;27(2):65–70

Age and the pharmacokinetics and pharmacodynamics of chronic enalapril treatment. Lees KR, et al. **Clin Pharmacol Ther** 1987 Jun;41(6):597–602

Inhibition of renal clearance of furosemide by pentopril, an angiotensin–converting enzyme inhibitor. Rakhit A, et al. **Clin Pharmacol Ther** 1987 May;41(5):580–6

Inhibition of angiotensin–I response by cilazapril and its time course in normal volunteers. Wellstein A, et al. **Clin Pharmacol Ther** 1987 Jun;41(6):639–44

Lack of angiotensin I accumulation after converting enzyme blockade by enalapril or lisinopril in man. Nussberger J, et al. **Clin Sci** 1987 Mar;72(3):387–9

Renal functional changes after converting enzyme inhibition or nitroprusside in hypertensive rats. Lee HB, et al. **Contrib Nephrol** 1987;56:87–94

Inhibition of angiotensin–converting enzyme by perindopril diacid in canine oleic acid pulmonary edema. Leeman M, et al. **Crit Care Med** 1987 Jun;15(6):567–73

Symposium on angiotensin–converting enzyme inhibition in cardiac failure. Oslo, 23 October 1985. Proceedings. **Drugs** 1986;32 Suppl 5:1–53

Clinical pharmacology of the ACE inhibitors. Fyhrquist F. **Drugs** 1986;32 Suppl 5:33–9 (9 ref.)

When to use ACE inhibitors in heart failure. Laragh J. **Drugs** 1986;32 Suppl 5:50–3

Studies on the antihypertensive effect of single doses of the angiotensin converting enzyme inhibitor ramipril (HOE 498) in man. Böhm RO, et al. **Eur J Clin Pharmacol** 1986; 30(5):541–7

The acute haemodynamic effects of quinapril, a new non–sulfhydryl angiotensin converting enzyme inhibitor, in patients with severe congestive cardiac failure. Holt P, et al. **Eur J Clin Pharmacol** 1986;31(1):9–14

The haemodynamic and humoral effects of treatment for one month with the angiotensin converting enzyme inhibitor perindopril in salt replete hypertensive patients. Lees KR, et al. **Eur J Clin Pharmacol** 1987;31(5):519–24

Lisinopril in hypertensive patients with and without renal failure. van Schaik BA, et al. **Eur J Clin Pharmacol** 1987; 32(1):11–6

Effect on blood pressure and the renin–angiotensin system of repeated doses of the converting enzyme inhibitor CGS 14824A. Waeber G, et al. **Eur J Clin Pharmacol** 1987; 31(6):643–6

Iloprost (ZK 36374) prevents angiotensin I conversion in the isolated perfused rat lung against anoxia. Aksulu HE, et al. **Eur J Pharmacol** 1986 Aug 22;128(1–2):67–72

Potentiation of inflammatory reactions in guinea–pig skin by an angiotensin converting enzyme inhibitor (MK 422). Lindgren BR, et al. **Eur J Pharmacol** 1987 Mar 31; 135(3):383–7

ACE–inhibitors in the treatment of elderly hypertensives. M'Buyamba–Kabangu JR, et al. **Geriatrics** 1987 Jun; 42(6):45–9 (22 ref.)

Enhanced response of plasma prolactin to metoclopramide during chronic converting enzyme inhibition. Dupont AG, et al. **Horm Metab Res** 1987 May;19(5):212–5

Vasodepressor role of endogenous bradykinin assessed by a bradykinin antagonist. Benetos A, et al. **Hypertension** 1986 Nov;8(11):971–4

Plasma angiotensins and blood pressure during converting enzyme inhibition. Mento PF, et al. **Hypertension** 1987 Jun; 9(6 Pt 2):III42–8

Effects of angiotensin inhibition and renal denervation in two–kidney, one clip hypertensive rats. Rademacher R, et al. **Hypertension** 1986 Dec;8(12):1127–34

Practical guidelines for the use of converting enzyme inhibitors in congestive heart failure. Dickstein K. **Int J Cardiol** 1987 Apr;15(1):1–5 (13 ref.)

Inhibition of angiotensin–converting enzyme by angiotensin I analogue peptide inhibitors. A kinetic study. Páldi A, et al. **Int J Pept Protein Res** 1987 Jun;29(6):746–54

Enalapril: a new angiotensin–converting enzyme inhibitor. McRaith J, et al. **Iowa Med** 1986 Oct;76(10):482, 484, 486–8 (21 ref.)

Enalaprilat, a new parenteral angiotensin–converting enzyme inhibitor: rapid changes in systemic and coronary hemodynamics and humoral profile in chronic heart failure. De Marco T, et al. **J Am Coll Cardiol** 1987 May;9(5):1131–8

The use of angiotensin converting enzyme inhibitors in elderly patients with hypertension. Chobanian AV. **J Am Geriatr Soc** 1987 Mar;35(3):269–70

Practical aspects of angiotensin–converting enzyme inhibition. Proceedings of a symposium. July 25 and 26, 1986, Denver, Colorado. **J Am Osteopath Assoc** 1987 Feb; 87(2 Suppl):162–205

Introduction to the symposium on practical aspects of angiotensin–converting enzyme inhibition. Chilton RJ. **J Am Osteopath Assoc** 1987 Feb;87(2 Suppl):164–5

Angiotensin–converting enzyme inhibition therapy in heart failure: practical guidelines. DiBianco R. **J Am Osteopath Assoc** 1987 Feb;87(2 Suppl):194–9

The antihypertensive effect of angiotensin–converting enzyme inhibition: a multifaceted mechanism of action. Moore TJ. **J Am Osteopath Assoc** 1987 Feb;87(2 Suppl):171–4

An overview of angiotensin–converting enzyme inhibitors in the treatment of hypertension. Weber MA. **J Am Osteopath Assoc** 1987 Feb;87(2 Suppl):175–80

Captopril and enalapril: angiotensin–converting enzyme inhibitors. Allen TA, et al. **J Am Vet Med Assoc** 1987 Jan 1;190(1):94–6 (20 ref.)

WF–10129, a novel angiotensin converting enzyme inhibitor produced by a fungus, Doratomyces putredinis. Ando T, et al. **J Antibiot (Tokyo)** 1987 Apr;40(4):468–75

K–13, a novel inhibitor of angiotensin I converting enzyme produced by Micromonospora halophytica subsp. exilisia. I. Fermentation, isolation and biological properties. Kase H, et al. **J Antibiot (Tokyo)** 1987 Apr;40(4):450–4

K–13, a novel inhibitor of angiotensin I converting enzyme produced by Micromonospora halophytica subsp. exilisia. II. Structure determination. Yasuzawa T, et al. **J Antibiot (Tokyo)** 1987 Apr;40(4):455–8

Heart failure and the renin–angiotensin system. Based on the symposium on ACE Inhibition in Heart Failure. Frankfurt, Federal Republic of Germany, April 26, 1986. **J Cardiovasc Pharmacol** 1987;9 Suppl 2:S1–77

Current and future trends in hypertension. Proceedings of a meeting. Heidelberg, Federal Republic of Germany, September 7, 1986. **J Cardiovasc Pharmacol** 1987;9 Suppl 3:S1–110

Converting enzyme inhibitors and the cardiovascular system. Ball SG. **J Cardiovasc Pharmacol** 1987;9 Suppl 3:S15–8 (30 ref.)

The antihypertensive effect of lisinopril compared to atenolol in patients with mild to moderate hypertension. Bolzano K, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 3:S43–7

Renal effects of converting enzyme inhibition. Brunner HR, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 3:S6–14 (64 ref.)

Placebo–controlled study of lisinopril in congestive heart failure: a multicentre study. Chalmers JP, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 3:S89–97

SQ 27,786 and SQ 28,853: two angiotensin converting enzyme inhibitors with potent diuretic activity. DeForrest JM, et al. **J Cardiovasc Pharmacol** 1987 Feb;9(2):154–9

Hemodynamic, hormonal, and pharmacokinetic aspects of treatment with lisinopril in congestive heart failure. Dickstein K. **J Cardiovasc Pharmacol** 1987;9 Suppl 3:S73–81

Lisinopril in hypertension associated with renal impairment. Donohoe JF, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 3:S66–8

Effects of single doses of the converting enzyme inhibitor cilazapril in normal volunteers. Fasanella d'Amore T, et al. **J Cardiovasc Pharmacol** 1987 Jan;9(1):26–31

Pharmacokinetics of the converting enzyme inhibitor cilazapril in normal volunteers and the relationship to enzyme inhibition: development of a mathematical model. Francis RJ, et al. **J Cardiovasc Pharmacol** 1987 Jan; 9(1):32–8

Long–term monotherapy with lisinopril in renovascular hypertension. Fyhrquist F, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 3:S61–5

The clinical pharmacology of lisinopril. Gomez HJ, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 3:S27–34 (42 ref.)

Dilation of epicardial arteries in conscious dogs induced by angiotensin–converting enzyme inhibition with enalaprilat. Holtz J, et al. **J Cardiovasc Pharmacol** 1987 Mar;9(3):348–55

Angiotensin–converting enzyme inhibitors: measurement of relative inhibitory potency and serum drug levels by radioinhibitor binding displacement assay. Jackson B, et al. **J Cardiovasc Pharmacol** 1987 Jun;9(6):699–704

Lisinopril in elderly patients with hypertension. Laher MS, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 3:S69–71

Effects of intravenous S–9780, an angiotensin–converting enzyme inhibitor, in normotensive subjects. Lees KR, et al. **J Cardiovasc Pharmacol** 1987 Aug;10(2):129–35

Beneficial effects of the converting enzyme inhibitor, ramipril, in ischemic rat hearts. Linz W, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S91–9

Comparative trial of lisinopril and nifedipine in mild to severe essential hypertension. Mörlin C, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 3:S49–52

Effects of an angiotensin–converting enzyme (ACE) inhibitor, SA446, on tissue ACE activity in normotensive, spontaneously hypertensive, and renal hypertensive rats. Nakata K, et al. **J Cardiovasc Pharmacol** 1987 Mar; 9(3):305–10

Diuretic effects of angiotensin–converting enzyme inhibition: comparison of low and liberal sodium diet in hypertensive patients. Navis G, et al. **J Cardiovasc Pharmacol** 1987 Jun; 9(6):743–8

Angiotensin–converting enzyme inhibitors in congestive heart failure. Nicholls MG, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 3:S19–21

Repeated administration of the converting enzyme inhibitor cilazapril to normal volunteers. Nussberger J, et al. **J Cardiovasc Pharmacol** 1987 Jan;9(1):39–44

Converting enzyme inhibitors and brain angiotensin. Phillips MI, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S82–90

Controlled multicenter study of the antihypertensive effects of lisinopril, hydrochlorothiazide, and lisinopril plus hydrochlorothiazide in the treatment of 394 patients with mild to moderate essential hypertension. Pool JL, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 3:S36–42

A double–blind comparison of lisinopril with captopril in patients with symptomatic congestive heart failure. Powers ER, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 3:S82–8

Perindopril, converting enzyme blockade, and peripheral arterial hemodynamics in the healthy volunteer. Richer C, et al. **J Cardiovasc Pharmacol** 1987 Jan;9(1):94–102

Strategic actions of angiotensin–converting enzyme inhibitors in treatment of congestive heart failure. Rudolph W, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 2:S43–5

The safety and tolerability of lisinopril in clinical trials. Rush JE, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 3:S99–107

Effect of angiotensin converting enzyme inhibitors on the vasoconstrictor action of angiotensin I on isolated rat kidney. Schmidt M, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S100–5

ACE inhibitors and the quality of life. Swales JD. **J Cardiovasc Pharmacol** 1987;9 Suppl 3:S22–5 (13 ref.)

Tissue converting enzyme and cardiovascular actions of converting enzyme inhibitors. Unger T, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S75–81

Evaluation of antihypertensive efficacy of lisinopril compared to metoprolol in moderate to severe hypertension. Zachariah PK, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 3:S53–8

Angiotensin–converting enzyme inhibitors in essential hypertension. Zanchetti A. **J Cardiovasc Pharmacol** 1987; 9 Suppl 3:S2–5 (19 ref.)

Twenty–four hour changes in active and inactive renin after various oral doses of the converting enzyme inhibitor ramipril (HOE498) in normal man. Malatino LS, et al. **J Clin Hypertens** 1986 Sep;2(3):231–7

Total and split renal function in patients with renovascular hypertension: effects of angiotensin–converting enzyme inhibition. Reams GP, et al. **J Clin Hypertens** 1987 Jun; 3(2):153–63

Chronic glucocorticoid therapy amplifies glomerular injury in rats with renal ablation. Garcia DL, et al. **J Clin Invest** 1987 Sep;80(3):867–74

Clinical pharmacology of enalapril. Abrams WB, et al. **J Hypertens [Suppl]** 1984 Dec;2(2):S31–6

Angiotensin converting enzyme inhibition and calcium channel blockade as primary antihypertensive therapy. Bühler FR, et al. **J Hypertens [Suppl]** 1986 Dec;

4(5):S435–40 (76 ref.)
Different effects of two angiotensin converting enzyme inhibitors in primary hypertension--a comparison of captopril and enalapril. Karlberg BE, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S432–4
Antihypertensive action and inhibition of tissue converting enzyme (CE) by three prodrug CE inhibitors, enalapril, ramipril and perindopril in stroke-prone spontaneously hypertensive rats. Moursi MG, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S495–8
Contrasting renal haemodynamic responses to the angiotensin converting enzyme inhibitor enalapril and the beta-adrenergic antagonist metoprolol in essential hypertension. O'Connor DT, et al. **J Hypertens [Suppl]** 1984 Dec;2(2):S89–92
Systemic and regional pre- and post-junctional sympathoinhibitory effect of perindopril in spontaneously hypertensive rats. Richer C, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S513–6
Effect of converting enzyme inhibitors on hypertensive large arteries in humans. Safar ME, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S285–9 (36 ref.)
A double-blind randomized evaluation of converting enzyme inhibition as the first-step treatment of mild to moderate hypertension. Sassano P, et al. **J Hypertens [Suppl]** 1984 Dec;2(2):S75–80
Converting enzyme inhibitors normalize the reduced adrenal responsiveness to angiotensin II in essential hypertension. Williams GH, et al. **J Hypertens [Suppl]** 1984 Dec; 2(2):S43–7
Synthesis and structure-activity relationships of potent new angiotensin converting enzyme inhibitors containing saturated bicyclic amino acids. Blankley CJ, et al. **J Med Chem** 1987 Jun;30(6):992–8
Synthesis of novel angiotensin converting enzyme inhibitor quinapril and related compounds. A divergence of structure-activity relationships for non-sulfhydryl and sulfhydryl types. Kluchko S, et al. **J Med Chem** 1986 Oct; 29(10):1953–61
Angiotensin III: a potent inhibitor of enkephalin-degrading enzymes and an analgesic agent. Shimamura M, et al. **J Neurochem** 1987 Aug;49(2):536–40
Enzyme immunoassay discrimination of a new angiotensin-converting enzyme (ACE) inhibitor, cilazapril, and its active metabolite. Tanaka H, et al. **J Pharm Sci** 1987 Mar;76(3):224–7
Effect of left atrial to left femoral artery bypass and renin-angiotensin system blockade on renal blood flow and function during and after thoracic aortic occlusion. Joob AW, et al. **J Vasc Surg** 1987 Feb;5(2):329–35
Inhibition of angiotensin converting enzyme by CV-3317, a non-sulfhydryl compound. Inada Y, et al. **Jpn J Pharmacol** 1986 Sep;42(1):99–108
Antihypertensive action of a non-sulfhydryl angiotensin converting enzyme inhibitor (CV-3317) in various hypertensive models. Inada Y, et al. **Jpn J Pharmacol** 1986 Sep;42(1):1–8
Hypotensive effect of SA446, an angiotensin converting enzyme inhibitor, in 2-kidney, 1-clip renal hypertensive and normotensive dogs. Nishimura K, et al. **Jpn J Pharmacol** 1987 Apr;43(4):379–87
Studies on mechanisms of antinephritic action of SA-446 an angiotensin I converting enzyme inhibitor (1). A comparison with actions of spironolactone, kallidinogenase and saralasin. Suzuki Y, et al. **Jpn J Pharmacol** 1986 Dec; 42(4):465–75
Inhibitory effects of condensed tannins on angiotensin converting enzyme. Uchida S, et al. **Jpn J Pharmacol** 1987 Feb;43(2):242–6
Reduction of proteinuria by angiotensin converting enzyme inhibition. Heeg JE, et al. **Kidney Int** 1987 Jul;32(1):78–83
Angiotensin, ACE inhibition and the kidney. Venice, Italy, September 1985. Proceedings. **Kidney Int [Suppl]** 1987 May; 20:S1–234
Angiotensin converting enzyme inhibition and the normal kidney. Brunner HR, et al. **Kidney Int [Suppl]** 1987 May; 20:S104–7 (45 ref.)
Angiotensin converting enzyme inhibition and acute tubular necrosis. Burke TJ, et al. **Kidney Int [Suppl]** 1987 May; 20:S143–7 (39 ref.)
Heart failure, renal function, and angiotensin converting enzyme inhibitors. Cleland JG, et al. **Kidney Int [Suppl]** 1987 May;20:S220–8 (97 ref.)
Nephrotoxicity of angiotensin converting enzyme inhibition. Donker AJ. **Kidney Int [Suppl]** 1987 May;20:S132–7 (66 ref.)
Effects of angiotensin II and of angiotensin converting enzyme inhibition in chronic renal failure. Ledingham JG. **Kidney Int [Suppl]** 1987 May;20:S112–6 (67 ref.)
Effects on angiotensin-converting enzyme inhibition on renal hemodynamics in renal artery stenosis. Levenson DJ, et al. **Kidney Int [Suppl]** 1987 May;20:S173–9 (60 ref.)
Glomerular abnormalities in patients receiving angiotensin converting enzyme inhibitor therapy. Lewis EJ. **Kidney Int [Suppl]** 1987 May;20:S138–42 (25 ref.)
Renal damage induced in the clipped kidney of one-clip, two-kidney hypertensive rats during normalization of blood pressure by converting enzyme inhibition. Michel JB, et al. **Kidney Int [Suppl]** 1987 May;20:S168–72
Renal alpha 2-adrenoceptors as potential targets for converting enzyme inhibitors. Pettinger WA, et al. **Kidney Int [Suppl]** 1987 May;20:S191–2 (33 ref.)
Converting enzyme inhibitors and renal function in cardiac failure. Robertson JI, et al. **Kidney Int [Suppl]** 1987 May; 20:S216–9 (39 ref.)
Transrenal changes in active and inactive renin and angiotensin II in renal artery stenosis: effects of converting enzyme inhibition. Tillman DM, et al. **Kidney Int [Suppl]** 1987 May;20:S184–90
Risks of angiotensin converting enzyme inhibition in renal artery stenosis. Wenting GJ, et al. **Kidney Int [Suppl]** 1987 May;20:S180–3
Effect of angiotensin I converting enzyme inhibition on circulating atrial natriuretic peptide in humans. Mann FE, et al. **Klin Wochenschr** 1986;64 Suppl 6:13–5
Converting enzyme inhibitor ramipril stimulates prostacyclin synthesis by isolated rat aorta: evidence for a kinin-dependent mechanism. Scherf H, et al. **Klin Wochenschr** 1986 Aug 15;64(16):742–5
Angiotensin I converting enzyme inhibitors containing unnatural alpha-amino acid analogues of phenylalanine. Miller KE, et al. **Life Sci** 1987 Jan 5;40(1):63–70
Treatment of essential hypertension today. The role of beta blockers, calcium antagonists, and ACE inhibitors. Lund-Johansen P. **Med Clin North Am** 1987 Sep; 71(5):947–57 (61 ref.)
Angiotensin-converting enzyme inhibitors. Weinberger MH. **Med Clin North Am** 1987 Sep;71(5):979–90 (42 ref.)
Adverse reactions with angiotensin converting enzyme (ACE) inhibitors. DiBianco R. **Med Toxicol** 1986 Mar-Apr; 1(2):122–41 (233 ref.)
Effects of two structurally different angiotensin-converting enzyme inhibitors, captopril and quinapril (CI-906), in rats with one-kidney deoxycorticosterone-salt hypertension. Pörsti I, et al. **Methods Find Exp Clin Pharmacol** 1986 Sep; 8(9):543–6
Inhibition of angiotensin-converting enzyme in congestive heart failure [letter] **N Engl J Med** 1987 Apr 2; 316(14):879–80
Effect of captopril (a converting enzyme inhibitor) on blood-brain barrier permeability and cerebral blood flow in normotensive rats. Sharma HS. **Neuropharmacology** 1987 Jan;26(1):85–92
Cough with angiotensin converting-enzyme inhibitors. Hood S, et al. **NZ Med J** 1987 Jan 28;100(816):6–7
Responses of renal, coronary and vertebral vasculatures to MC-838 and captopril in anesthetized dogs. Noguchi K, et al. **Pharmacology** 1987;34(1):48–56
Inhibition of angiotensin I converting enzyme by flavanolic compounds: in vitro and in vivo studies. Meunier MT, et al. **Planta Med** 1987 Feb;53(1):12–5
Influence of ACE inhibition on pulmonary haemodynamics and function in patients in whom beta-blockers are contraindicated. Bertoli L, et al. **Postgrad Med J** 1986;62 Suppl 1:47–51
Adverse effects of converting-enzyme inhibition in patients with severe congestive heart failure: pathophysiology and management. Packer M, et al. **Postgrad Med J** 1986;62 Suppl 1:179–82
Angiotensin converting enzyme inhibitors in diabetes: experimental and human experience. Rett K, et al. **Postgrad Med J** 1986;62 Suppl 1:59–64
Effect of ACE-inhibition on tissue blood flow during acute left ventricular failure in the dog. Hall C, et al. **Res Exp Med (Berl)** 1987;187(1):59–70
Plasma concentrations of angiotensin II and aldosterone during acute left ventricular failure in the dog. Effect of converting enzyme inhibition. Hall C, et al. **Res Exp Med (Berl)** 1986;186(5):387–95
A comparison of lisinopril and atenolol in black and Indian patients with mild-to-moderate essential hypertension. Seedat YK, et al. **S Afr Med J** 1987 Feb 7;71(3):149–53
[Inhibitors of angiotensin convertase (inhibitory ACE) in chronic heart failure] Kozák P, et al. **Vnitr Lek** 1987 Feb; 33(2):123–8 (Eng. Abstr.) **(Cze)**
[The clinical use of angiotensin converting enzyme inhibitors] Fyhrquist F. **Duodecim** 1986;102(22):1709–16 **(Fin)**
[What have we learned about inhibitors of the renin-angiotensin system?] Waeber B, et al. **Ann Endocrinol (Paris)** 1986;47(3):167–77 (63 ref.) (Eng. Abstr.) **(Fre)**
[Peripheral hemodynamic and biological effects of perindopril in the healthy subject. Dose-effect relationship] Richer C, et al. **Arch Mal Coeur** 1986 Jun;79(6):913–8 (Eng. Abstr.) **(Fre)**
[Antihypertensive action and inhibition of tissue conversion enzyme by ramipril, perindopril and enalapril in the spontaneously hypertensive rat (SHRSP)] Unger T, et al. **Arch Mal Coeur** 1986 Jun;79(6):971–4 (Eng. Abstr.) **(Fre)**
[Renal transport of uric acid: influence of treatment by converting enzyme inhibitors (letter)] Labeeuw M, et al. **Nephrologie** 1986;7(5):214–5 **(Fre)**
[A secondary effect of converting enzyme inhibitors: cough] Ollivier JP, et al. **Presse Med** 1987 May 2;16(16):759–61 (Eng. Abstr.) **(Fre)**
[Regional blood flow in congestive cardiac failure and inhibition of angiotensin converting enzyme] Garnier LF, et al. **Rev Med Interne** 1986 Nov;7(5):548–53 (25 ref.) (Eng. Abstr.) **(Fre)**
[Angiotension converting enzyme inhibitors in arterial hypertension] Guédon J, et al. **Rev Med Interne** 1986 Nov; 7(5):462–4 **(Fre)**
[Cough induced by converting enzyme inhibitors (letter)] Ostermann G, et al. **Therapie** 1986 Sep-Oct;41(5):404–5 **(Fre)**
[The manner of rupture in heart insufficiency. ACE-inhibition more as vasodilation--indications] Massie B. **Fortschr Med** 1987;105 Suppl 33:4–9 **(Ger)**
[Interactions of angiotensin converting enzyme with substance P] Siems WE, et al. **Pharmazie** 1987 Mar; 42(3):153–6 (42 ref.) **(Ger)**
[Converting enzyme inhibitors and calcium antagonists in left ventricular dysfunction] Hertzeanu H, et al. **Harefuah** 1986 Jun 15;110(12):624–8 (41 ref.) **(Heb)**
[Physiopathologic bases for the use of angiotensin converting enzyme inhibitors in congestive heart failure] Campa PP. **Cardiologia** 1986 Oct;31(10):833–6 **(Ita)**
[Role of angiotensin converting enzyme inhibitors in the therapy of hypertension] Zanchetti A. **Cardiologia** 1986 Oct;31(10):789–91 **(Ita)**
[Hypertension therapy in the elderly. Our experience with converting enzyme inhibitors] Malacco E, et al. **Minerva Med** 1986 Dec 15;77(47-48):2217–20 (Eng. Abstr.) **(Ita)**
[Captopril test in renovascular hypertension: effects of ACE inhibition on the reno-renal renin index] Cerasola G, et al. **Recenti Prog Med** 1987 Apr;78(4):160–5 (Eng. Abstr.) **(Ita)**
[Acute hypotension caused by inhibitors of angiotensin conversion enzyme. Description of an unusual case] Finzi G, et al. **Recenti Prog Med** 1987 Apr;78(4):154–6 (Eng. Abstr.) **(Ita)**
[High-performance liquid chromatography of organosulfur compounds using the postcolumn ligand exchange reaction with iodoplatinate. Application to the simultaneous determination of (2R,4R)-2-(o-hydroxyphenyl)-3-(3-mercaptopropionyl)-4-thiazolidine carboxylic acid (SA446), an angiotensin converting enzyme inhibitor and its urinary metabolites] Horiuchi M, et al. **Yakugaku Zasshi** 1986 Nov; 106(11):1028–33 (Eng. Abstr.) **(Jpn)**
[Advances in studies on new converting enzyme inhibitors] Wiecek A, et al. **Pol Arch Med Wewn** 1986 Dec; 76(5-6):291–7 (27 ref.) **(Pol)**
[Mechanisms of action and clinical use of converting enzyme inhibitors] Lazowski J, et al. **Pol Tyg Lek** 1986 Dec 1; 41(48):1507–11 **(Pol)**

BIOSYNTHESIS

An in vitro model for the induction of angiotensin-converting enzyme in sarcoidosis. Evidence for a soluble ACE-inducing factor. Conrad AK, et al. **Am Rev Respir Dis** 1987 Feb;135(2):396–400
Induction by fibroblast growth factor of angiotensin converting enzyme in vascular endothelial cells in vitro. Okabe T, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1211–6
In vitro synthesis of angiotensin-converting enzyme by alveolar macrophages is increased in disseminated sarcoidosis. Stanislas-Leguern G, et al. **Lung** 1986; 164(5):269–77
Production of the angiotensin converting enzyme (ACE) in cultures of rat peritoneal macrophages. Harrabi S, et al. **Sarcoidosis** 1986 Mar;3(1):27–9
Comparison of clinical parameters, bronchoalveolar lavage, gallium-67 lung uptake, and serum angiotensin converting enzyme in assessing the activity of sarcoidosis. Staton GW Jr, et al. **Sarcoidosis** 1986 Mar;3(1):10–8
[Induction of blood plasma carboxycathepsin (angiotensin I-converting enzyme) in normo- and hypertensive rats in response to a single administration of captopril] Kugaevskaia EV, et al. **Biull Eksp Biol Med** 1987 Jan; 103(1):48–50 (Eng. Abstr.) **(Rus)**

BLOOD

Mechanism and significance of kinin formation in nephrotic syndrome. Nakamura K, et al. **Adv Exp Med Biol** 1986;198 Pt B:253–62
Kininase I and II activities in serum of patients with lung diseases. Schweisfurth H, et al. **Adv Exp Med Biol** 1986; 198 Pt B:439–42
Mild but prolonged elevation of serum angiotensin converting enzyme (ACE) activity in alcoholics. Okuno F, et al. **Alcohol** 1986 Nov-Dec;3(6):357–9
Pharmacokinetics and pharmacodynamics of ramipril in renal failure. Aurell M, et al. **Am J Cardiol** 1987 Apr 24; 59(10):65D–69D
Angiotensin I-converting enzyme in a suprasellar germinoma. Rohmer V, et al. **Am J Clin Pathol** 1987 Feb; 87(2):281–4
Clinical significance of serum thermolysin-like metalloendopeptidase and its relationship to serum angiotensin converting enzyme in sarcoidosis. Almenoff J, et al. **Am J Med** 1987 Jan;82(1):33–8
Serum angiotensin converting enzyme activity in evaluation of patients with liver disease. Johnson DA, et al. **Am J Med** 1987 Aug;83(2):256–60
Serum angiotensin converting enzyme levels in patients with alpha 1-antitrypsin variants. Lieberman J, et al. **Am J Med** 1986 Nov;81(5):821–4
Angiotensin-converting enzyme activity in hypertensive subjects after magnesium sulfate therapy. Fuentes A, et al. **Am J Obstet Gynecol** 1987 Jun;156(6):1375–9
The predictive value of serum angiotensin converting enzyme

and lysozyme levels in the diagnosis of ocular sarcoidosis. Baarsma GS, et al. **Am J Ophthalmol** 1987 Sep 15; 104(3):211–7

Angiotensin-converting enzyme. Investigation of diurnal variation, the effect of a large dose of prednisolone, and prednisolone pharmacokinetics in patients with sarcoidosis. Thompson PJ, et al. **Am Rev Respir Dis** 1986 Nov; 134(5):1075–7

In vivo effects of camostat mesilate on plasma kallikrein, plasma kininase II and renal kallikrein of man. Bönner G, et al. **Arzneimittelforschung** 1987 May;37(5):535–7

Inhibition by FOY of kininase II in human plasma. Bönner G, et al. **Biol Chem Hoppe Seyler** 1986 Sep;367(9):963–8

Plasma angiotensin-converting enzyme activity in patients with bronchial carcinoma. Roulston JE, et al. **Br J Dis Chest** 1986 Jul;80(3):229–34

Serum angiotensin converting enzyme, ceruloplasmin, and lactic dehydrogenase in anthracosilicosis and anthracosilicotuberculosis. Zhicheng S, et al. **Br J Ind Med** 1986 Sep;43(9):642–3

Enzymatic formation of angiotensins II and III in the hindlimb circulation of dogs. Metting PJ, et al. **Can J Physiol Pharmacol** 1987 Apr;65(4):544–9

Circadian rhythm of the angiotensin converting enzyme (ACE) activity in serum of healthy adult subjects. Veglio F, et al. **Chronobiologia** 1987 Jan–Mar;14(1):21–5

Problems of measuring serum angiotensin converting enzyme in the RA-1000 [letter] Buttery JE, et al. **Clin Chem** 1986 Nov;32(11):2121–2

Relationship between thyroid hormones and angiotensin-converting enzyme [letter] Gow SM, et al. **Clin Chem** 1987 Jun;33(6):1103

Automated determination of angiotensin-converting enzyme in serum. Peters RH, et al. **Clin Chem** 1987 Jul; 33(7):1248–51

Serum angiotensin converting enzyme activity in ex-smokers. Ninomiya Y, et al. **Clin Chim Acta** 1987 Apr 30; 164(2):223–6

Effect of L-thyroxine on serum angiotensin converting enzyme activity in sheep. Verma P, et al. **Clin Exp Pharmacol Physiol** 1986 Aug;13(8):609–12

Angiotensin converting enzyme (ACE) in scleroderma [letter] Matucci Cerinic M, et al. **Clin Rheumatol** 1987 Jun; 6(2):300–1

Angiotensin converting enzyme activity and hypoxia [letter] Milledge JS, et al. **Clin Sci** 1987 Jan;72(1):149

Serum angiotensin-converting enzyme activity in psoriasis. Ena P, et al. **Dermatologica** 1987;174(3):110–3

Levels of serum angiotensin-converting enzyme before and after forearm venous stasis in diabetic microangiopathy. Porta M, et al. **Diabetes Res** 1987 Mar;4(3):117–20

Angiotensin-converting enzyme (ACE): relationship to insulin-dependent diabetes and microangiopathy. Toop MJ, et al. **Diabetic Med** 1986 Sep–Oct;3(5):455–7

Serum angiotensin-I-converting enzyme and carboxypeptidase N in Crohn's disease and ulcerative colitis. Sommer H, et al. **Enzyme** 1986;35(4):181–8

Serum angiotensin converting enzyme activity in silicosis. Yano E, et al. **Ind Health** 1987;25(1):11–8

Kininase I, kininase II and aminopeptidase levels in patients with gastrointestinal tumors. Amato A, et al. **Ital J Surg Sci** 1987;17(2):141–6

Sarcoidosis and ACE assay [letter] Gijsbers A, et al. **J Assoc Physicians India** 1986 Nov;34(11):823–4

Diagnostic value of SACE [letter] Gupta SK. **J Assoc Physicians India** 1986 Nov;34(11):827

Sensitive assay for serum angiotensin-converting enzyme and separation of angiotensin analogues by high-performance liquid chromatography with fluorescence detection. Sakamoto Y, et al. **J Chromatogr** 1986 Aug 2;380(2):313–20

Serum angiotensin converting enzyme in pneumonias. Kerttula Y, et al. **J Clin Pathol** 1986 Nov;39(11):1250–3

Excess antibody immunoassay for the measurement of tonin in rat tissues and plasma. Johansen L, et al. **J Immunol Methods** 1987 Apr 16;98(2):257–65

Familial hyper-angiotensin converting enzyme (ACE)-emia: increased production of ACE by monocyte-macrophage. Okabe T, et al. **Jpn J Med** 1987 May;26(2):140–6

Direct radioimmunoassay of angiotensin-converting enzyme in sera from patients with pulmonary diseases. Hiwada K, et al. **Lung** 1987;165(1):27–35

Assessment of serum angiotensin-converting enzyme as a marker of activity in sarcoidosis: a study of 31 patients with erythema nodosum. Teirstein AS, et al. **Mt Sinai J Med (NY)** 1987 Feb;54(2):144–6

Serum angiotensin-converting enzyme during haemodialysis: effect of membrane biocompatibility [letter] Maher ER, et al. **Nephron** 1987;45(4):328

Enkephalinase and angiotensin converting enzyme activities in human venous and arterial plasma. Spillantini MG, et al. **Neuropeptides** 1986 Aug–Sep;8(2):111–7

Increase of serum angiotensin-converting enzyme following venous stasis of the forearm in man. Porta M, et al. **Panminerva Med** 1987 Jan–Mar;29(1):45–7

Biochemical indicators of disordered vitamin D and calcium homeostasis in sarcoidosis. Adams JS, et al. **Sarcoidosis** 1986 Mar;3(1):1–6

Relation between clinical stage of sarcoidosis and serum values of angiotensin converting enzyme and beta2-microglobulin. Selroos O, et al. **Sarcoidosis** 1987 Mar;4(1):13–7

Automated method for the determination of angiotensin-converting enzyme in serum. Johansen KB, et al. **Scand J Clin Lab Invest** 1987 Jun;47(4):411–4

Relationship between changed alveolar-capillary permeability and angiotensin converting enzyme activity in serum in sarcoidosis. Eklund A, et al. **Thorax** 1986 Aug; 41(8):629–34

[Variations of the angiotensin converting enzyme in the serum of patients with ARDS during mechanical ventilation. Comparison with a control group] Federici L, et al. **Minerva Anestesiol** 1986 Aug–Sep;52(8–9):251–5 (Eng. Abstr.) **(Ita)**

[Involvement of the polypeptide system and ACE in Crohn disease] Familiari G, et al. **Minerva Med** 1987 Jun 30; 78(12):841–5 (Eng. Abstr.) **(Ita)**

[Measurement of serum angiotensin-converting enzyme in pneumoconiosis—comparison of Kasahara's method with Cushman's modified method] Kato Y, et al. **Sangyo Igaku** 1986 May;28(3):204–5 **(Jpn)**

[Kinin aminopeptidase in lung tissue and activity of kininase II in the serum of patients with silicosis] Szechiński J. **Pol Tyg Lek** 1986 May 12;41(19):635–7 **(Pol)**

[Angiotensin converting enzyme activity in smokers] Janković S, et al. **Placne Bolesti** 1986 Jul–Dec; 38(3–4):209–11 (Eng. Abstr.) **(Scr)**

CEREBROSPINAL FLUID

Angiotensin-converting enzyme in neurosarcoidosis [letter] Rubinstein I, et al. **Arch Neurol** 1987 Mar;44(3):249–50

Cerebrospinal fluid levels of angiotensin-converting enzyme, acetylcholinesterase, and dopamine metabolites in dementia associated with Alzheimer's disease and Parkinson's disease: a correlative study. Zubenko GS, et al. **Biol Psychiatry** 1986 Dec;21(14):1365–81

Acute oral captopril inhibits angiotensin converting enzyme activity in human cerebrospinal fluid. Geppetti P, et al. **J Hypertens** 1987 Apr;5(2):151–4

High angiotensin converting enzyme (kininase II) activity in the cerebrospinal fluid of spontaneously hypertensive adult rats. Israel A, et al. **J Hypertens** 1987 Jun;5(3):355–7

GENETICS

Bovine angiotensin-converting enzyme: amino-terminal sequence analysis and preliminary characterization of a hybridization-selected primary translation product. St. Clair DK, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):968–72

Hybridization and partial cDNA sequence analyses of bovine lung angiotensin I-converting enzyme. Deluca-Flaherty C, et al. **Int J Pept Protein Res** 1987 Jun;29(6):678–84

IMMUNOLOGY

Glomerulonephritis induced in the rabbit by antiendothelial antibodies. Matsuo S, et al. **J Clin Invest** 1987 Jun; 79(6):1798–811

[Monoclonal antibodies to the angiotensin-converting enzyme from the human lung] Danilov SM, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):699–701 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Rat testicular angiotensin I converting enzyme: purification and comparison with rat pulmonary enzyme. Yamaguchi T, et al. **Adv Exp Med Biol** 1986;198 Pt A:461–7

Isolation of two differentially glycosylated forms of peptidyl-dipeptidase A (angiotensin converting enzyme) from pig brain: a re-evaluation of their role in neuropeptide metabolism. Hooper NM, et al. **Biochem J** 1987 Feb 1; 241(3):625–33

Affinity chromatography and some properties of the angiotensin-converting enzyme from human heart. Sakharov IY, et al. **Biochim Biophys Acta** 1987 Jan 20; 923(1):143–9

Angiotensin I-converting enzyme in isolated human glomeruli. Chansel D, et al. **FEBS Lett** 1987 Aug 10; 220(1):247–52

Rapid purification of tonin, esterase B, antigen psi and kallikrein from rat submandibular gland by fast protein liquid chromatography. Johansen L, et al. **J Chromatogr** 1987 Jan 30;387:347–59

Purification and characterization of a peptidyl dipeptidase resembling angiotensin converting enzyme from the electric organ of Torpedo marmorata. Turner AJ, et al. **J Neurochem** 1987 Mar;48(3):910–6

[Isolation and molecular kinetic properties of the angiotensin-converting enzyme from the human heart] Sakharov IIu, et al. **Biokhimiia** 1986 Nov;51(11):1836–42 (Eng. Abstr.) **(Rus)**

[Purification and study of the physicochemical properties of angiotensin converting enzyme from the human liver] Sakharov IIu, et al. **Biull Eksp Biol Med** 1987 Mar; 103(3):308–10 (Eng. Abstr.) **(Rus)**

METABOLISM

Concentration of angiotensin-converting enzyme in tears of patients with sarcoidosis. Immonen I, et al. **Acta Ophthalmol (Copenh)** 1987 Feb;65(1):27–9

Angiotensin-converting enzyme in sarcoid and chalazion granulomas of the conjunctiva. Immonen I, et al. **Acta Ophthalmol (Copenh)** 1986 Oct;64(5):519–21

Michaelis-Menten kinetics of pulmonary endothelial angiotensin converting enzyme in the conscious rabbit. Catravas JD. **Adv Exp Med Biol** 1986;198 Pt A:445–51

Isolation and sequencing of an active-site peptide from angiotensin I-converting enzyme. Harris RB. **Adv Exp Med Biol** 1986;198 Pt A:513–21

Investigations on the functional role of angiotensin converting enzyme (ACE) in human seminal plasma. Krassnigg F, et al. **Adv Exp Med Biol** 1986;198 Pt A:477–85

The effect of alphanapthylthiourea (ANTU)-induced acute injury on lung binding of antibody to angiotensin converting enzyme (ACE). McCormick JR, et al. **Adv Exp Med Biol** 1986;198 Pt A:503–12

Metabolism of bradykinin in isolated perfused rat kidney. Measurement of kininase activity in perfusate and urine. Ogihara T, et al. **Adv Exp Med Biol** 1986;198 Pt A:367–73

Salivary kallikrein and kininase activities in periodontal diseases. Picarelli A, et al. **Adv Exp Med Biol** 1986;198 Pt B:433–7

Evidence for a potent angiotensin I degrading enzyme different from angiotensin I converting enzyme in rat vascular tissues. Rosenthal J, et al. **Adv Exp Med Biol** 1986; 198 Pt A:529–36

Value of determination of kininase II in bronchoalveolar lavage fluid. Schweisfurth H, et al. **Adv Exp Med Biol** 1986; 198 Pt A:523–8

Kininase II of human seminal fluid: kinetics and inhibition. van Sande M, et al. **Adv Exp Med Biol** 1986;198 Pt A:469–75

Biological regulation of testicular angiotensin I-converting enzyme. Velletri PA, et al. **Adv Exp Med Biol** 1986;198 Pt A:487–94

Effect of converting enzyme inhibitors on tissue converting enzyme and angiotensin II: therapeutic implications. Unger T, et al. **Am J Cardiol** 1987 Apr 24;59(10):18D–22D

Time course of release into the medium of newly synthesized proteins by cultured aortic endothelial cells. Role of serum in preventing proteolytic degradation. Dickinson ES, et al. **Arteriosclerosis** 1986 Nov–Dec;6(6):627–37

Assessment of kininases in rheumatic diseases and the effect of therapeutic agents. Sheikh IA, et al. **Arthritis Rheum** 1987 Feb;30(2):138–45

Angiotensin converting enzyme predominates in the inner cortex and medulla of the rat kidney. Ikemoto F, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):915–21

Age and hormonal dependence of tonin levels in rat submandibular gland as determined by a new direct radioimmunoassay. Shih HC, et al. **Biochem J** 1986 Aug 15;238(1):145–9

Hydrolysis of neo-kyotorphin (Thr-Ser-Lys-Tyr-Arg) and [Met]enkephalin-Arg6-Phe7 by angiotensin-converting enzyme from monkey brain. Kase R, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4499–503

Observation of a chloride-dependent intermediate during catalysis by angiotensin converting enzyme using radiationless energy transfer. Harper JW, et al. **Biochemistry** 1987 Mar 10;26(5):1284–8

Separation of luminal and abluminal membrane enriched domains from cultured bovine aortic endothelial cells: monoclonal antibodies specific for endothelial cell plasma membranes. Jaffe S, et al. **Biochim Biophys Acta** 1987 Mar 26;898(1):37–52

Heterogeneity of mouse vascular endothelium. In vitro studies of lymphatic, large blood vessel and microvascular endothelial cells. Gumkowski F, et al. **Blood Vessels** 1987; 24(1–2):11–23

Differential ontogeny of rat brain peptidases: prenatal expression of enkephalin convertase and postnatal development of angiotensin-converting enzyme. Strittmatter SM, et al. **Brain Res** 1986 Oct;394(2):207–15

Angiotensin converting enzyme in bronchoalveolar lavage in ARDS. Idell S, et al. **Chest** 1987 Jan;91(1):52–6

Hypoxia does not alter angiotensin converting enzyme activity in hamster pulmonary microvessels. Shepard JM, et al. **Circ Res** 1987 Aug;61(2):228–35

Distribution of angiotensin converting enzyme in sheep hypothalamus and medulla oblongata visualized by in vitro autoradiography. Chai SY, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):449–60

Angiotensin converting enzyme in sarcoidosis and in silicosis. Inoue Y, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):481–5

Biochemistry of human converting enzyme. Kokubu T, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):217–28 (52 ref.)

Regulation of prostacyclin generation by angiotensin converting enzyme related substances in cultured human vascular endothelial cells. Nakagawa M, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):405–8

Distribution of kininase activity along the rabbit nephron. Omata K, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):469–72

The broad substrate specificity of human angiotensin I converting enzyme. Skidgel RA, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):243–59 (47 ref.)

Pulmonary and testicular angiotensin-converting isoenzymes. Soffer RL, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):229–34 (17 ref.)

Biochemical characterization of angiotensin-converting enzyme in human neuroblastoma tissue. Tani M, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):267–71

Characterization of angiotensin converting enzyme from rat tissue by radio-inhibitor binding studies. Jackson B, et al. **Clin Exp Pharmacol Physiol** 1986 Sep;13(9):681–9

Characterization of angiotensin I-converting enzyme activity in the freshwater turtle, Amyda japonica. Cho KW, et al.

Comp Biochem Physiol [A] 1987;87(3):645–8

Enkephalin–degrading enzymes and angiotensin–converting enzyme in human and rat meninges. Zajac JM, et al. **FEBS Lett** 1987 May 25;216(1):118–22

Angiotensin–converting enzyme activity decreases during fasting. Butkus NE, et al. **Horm Metab Res** 1987 Feb; 19(2):76–9

Angiotensin converting enzyme in hyper– and hypothyroid rats. Montiel M, et al. **Horm Metab Res** 1987 Feb;19(2):90–2

Angiotensin II receptors and angiotensin converting enzyme in the medulla oblongata. Allen AM, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III198–205

Effect of flow and surface area on angiotensin–converting enzyme activity in rabbit lungs. Moalli R, et al. **J Appl Physiol** 1987 May;62(5):2042–50

Correlation of pulmonary ACE activity and capillary surface area during postnatal development. Pitt BR, et al. **J Appl Physiol** 1987 May;62(5):2031–41

Effects of gas composition and pH on kinetics of lung angiotensin–converting enzyme. Rickaby DA, et al. **J Appl Physiol** 1987 Mar;62(3):1216–21

Effects of alveolar pressure on lung angiotensin–converting enzyme function in vivo. Toivonen HJ, et al. **J Appl Physiol** 1986 Sep;61(3):1041–50

Characteristics of angiotensin converting enzyme and its role in the metabolism of angiotensin I by endothelium. Bünning P, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S52–7

Local actions of angiotensin II: quantitative in vitro autoradiographic localization of angiotensin II receptor binding and angiotensin converting enzyme in target tissues. Chai SY, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S35–9

A glial high–affinity binding site with specificity for angiotensin II not angiotensin III: a possible N–terminal–specific converting enzyme. Printz MP, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S62–8

The catalytic mechanism of angiotensin converting enzyme and related zinc enzymes. Riordan JF, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S29–34

Vascular angiotensin conversion in humans. Webb DJ, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S40–4

Induction of granuloma–dependent angiotensin–converting enzyme and eosinophil chemotactic factor in the skin of athymic nude mice. Kanazawa K, et al. **J Cell Biochem** 1987 May;34(1):61–9

Stimulation of bovine endothelial cell angiotensin–I–converting enzyme activity by cyclic AMP–related agents. Krulewitz AH, et al. **J Cell Physiol** 1986 Nov;129(2):147–50

Release of angiotensin I–converting enzyme by endothelial cells in vitro. Noveral JP, et al. **J Cell Physiol** 1987 Apr; 131(1):1–5

Angiotensin–converting enzyme labeled with [3H]captopril. Tissue localizations and changes in different models of hypertension in the rat. Wilson SK, et al. **J Clin Invest** 1987 Sep;80(3):841–51

Localization of angiotensin converting enzyme (ACE) in granulomas of sarcoidosis cutaneous lesions. Takemura S, et al. **J Dermatol (Tokyo)** 1987 Apr;14(2):122–5

Activity of putative pulmonary ornithokallikrein and angiotensin–converting enzyme during the onset of lung respiration in the chick embryo. Wittmann J, et al. **J Exp Zool** 1987;Suppl:219–26

Angiotensin converting enzyme (ACE), characterization by 125I–MK351A binding studies of plasma and tissue ACE during variation of salt status in the rat. Jackson B, et al. **J Hypertens** 1986 Dec;4(6):759–65

Elevated vascular angiotensin converting enzyme in chronic two–kidney, one clip hypertension in the dog. Miyazaki M, et al. **J Hypertens** 1987 Apr;5(2):155–60

Brain endo–oligopeptidase A, a putative enkephalin converting enzyme. Camargo AC, et al. **J Neurochem** 1987 Apr;48(4):1258–63

Subcellular localization of angiotensin–converting enzyme in cultured neuroblastoma cells. Clemens DL, et al. **J Neurochem** 1986 Dec;47(6):1837–42

Regulation of dipeptidyl aminopeptidase I and angiotensin converting enzyme activities in cultured murine brain cells by cortisol and thyroid hormone. Davis MH, et al. **J Neurochem** 1987 Feb;48(2):447–54

Degradation of luteinizing hormone–releasing hormone by neuroblastoma cells and their membrane: evidence for the involvement of a thiol protease and angiotensin–converting enzyme. Yokosawa H, et al. **J Neurochem** 1987 Jan; 48(1):293–8

Angiotensin I converting enzyme activity in the kidney of bullfrog (Rana catesbeiana). Yamaguchi T, et al. **J Pharmacobiodyn** 1986 Jul;9(7):585–92

Angiotensin I converting enzyme and kinin–hydrolyzing enzymes along the rabbit nephron. Marchetti J, et al. **Kidney Int** 1987 Mar;31(3):744–51

Human renal angiotensin I converting enzyme and neutral endopeptidase. Skidgel RA, et al. **Kidney Int [Suppl]** 1987 May;20:S45–8 (55 ref.)

The angiotensin I–converting enzyme. Erdös EG, et al. **Lab Invest** 1987 Apr;56(4):345–8

Inactivation of kallikrein and kininases and stabilization of whole rat brain kinin levels following focused microwave irradiation. Elrod K, et al. **Neurochem Res** 1986 Oct; 11(10):1463–71

Effect of hydrocortisone on the activity of the angiotensin–converting and renin–like enzymes and kininase I in rat brain and hypophysis. Kononenko VYa, et al. **Neurosci Behav Physiol** 1987 Jan–Feb;17(1):40–2

Angiotensin converting enzyme in rat brain visualized by quantitative in vitro autoradiography. Chai SY, et al. **Neuroscience** 1987 Feb;20(2):615–27

Angiotensin converting enzyme immunohistochemistry in rat brain and pituitary gland: correlation of isozyme type with cellular localization. Strittmatter SM, et al. **Neuroscience** 1987 May;21(2):407–20

Brain asparaginase, ACE activity and plasma cortisol level in morphine dependent rats: effect of aspartic acid and naloxone. Koyuncuoğlu H, et al. **Pharmacol Biochem Behav** 1986 Nov;25(5):953–7

Heterogeneity of rabbit aortic endothelial cells in primary culture. Rone JD, et al. **Proc Soc Exp Biol Med** 1987 Apr; 184(4):495–503

The effect of indomethacin on plasma and lung lymph angiotensin converting enzyme activity in sheep. Newton SG, et al. **Prostaglandins Leukotrienes Med** 1987 Mar; 26(3):179–88

Compensatory increase in adrenomedullary angiotensin–converting enzyme activity (kininase II) after unilateral adrenalectomy. Israel A, et al. **Regul Pept** 1986 Dec 22;16(2):97–105

Serum angiotensin–converting–enzyme in rabbits with and without pulmonary granulomatosis. Granulomatosis induced with complete–Freund's–adjuvant or BCG. Lieberman J, et al. **Sarcoidosis** 1986 Mar;3(1):60–6

Angiotensin–converting enzyme activity in sarcoidosis and other disorders. Romer FK. **Sarcoidosis** 1985 Mar; 2(1):25–34 (48 ref.)

Subcellular localization of angiotensin–converting enzyme in the human alveolar macrophage. Eklund A, et al. **Scand J Clin Lab Invest** 1987 Feb;47(1):47–54

[The use of 1H–NMR–spectroscopy for the study of peptide degradation by angiotensin–converting enzyme] Sakharov IIu, et al. **Biokhimiia** 1987 Feb;52(2):311–6 (Eng. Abstr.) **(Rus)**

[Effect of hydrocortisone on the activity of angiotensin–converting and renin–like enzymes and kininase I in the brain and hypophysis of rats] Kononenko VIa, et al. **Probl Endokrinol (Mosk)** 1986 Jul–Aug; 32(4):72–5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of angiotensin blockade and converting enzyme inhibition on renovascular hypertension: comparison between unilateral and bilateral renal artery stenosis. Takabatake T, et al. **Angiology** 1987 Jun;38(6):434–9

PHYSIOLOGY

Role of kininase II (ACE; E.C.3.4.15.1) in the regulation of renin secretion. Eisen V, et al. **Adv Exp Med Biol** 1986; 198 Pt A:495–501

The kidney: therapeutic implications of ACE inhibition and other areas of new research. San Francisco, California, June 28–29, 1985, February 28–March 1, 1986. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):1–93

Contribution of renal angiotensin converting enzyme (ACE) to blood pressure regulation: possible role of brush border ACE. Ikemoto F, et al. **Clin Exp Hypertens [A]** 1987; 9(2–3):441–7

Possible role of vascular angiotensin converting enzyme in the genesis of hypertension. Miyazaki M, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):435–40

Inhibition of tonin activity by growth hormone and testosterone depletion in one–kidney, one–clip hypertensive rats. Pelto CT, et al. **Curr Surg** 1986 Nov–Dec;43(6):474–5

Angiotensin converting enzyme (ACE) in the kidney: contribution to blood pressure regulation and possible role of brush–border ACE. Ikemoto F, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S69–74

Vascular angiotensin converting enzyme in the development of renal hypertension. Miyazaki M, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S58–61

The significance of angiotensin I converting enzyme in granulomatous inflammation. Functions of ACE in granulomas. Weinstock JV. **Sarcoidosis** 1986 Mar; 3(1):19–26 (98 ref.)

SECRETION

Release of kallikrein and tonin from the rat submandibular gland. Maitra SR, et al. **Adv Exp Med Biol** 1986;198 Pt A:247–54

In vitro secretion of immunoreactive tonin from dispersed rat submandibular gland cells. Hirata Y, et al. **Hypertension** 1986 Oct;8(10):883–9

STANDARDS

Why are there different reference intervals for the kinetic angiotensin–converting enzyme assay? [letter] Buttery JE. **Clin Chem** 1987 Aug;33(8):1491–2

THERAPEUTIC USE

Preservation of kidney function by use of converting–enzyme inhibitors for control of hypertension [letter] Mann J, et al. **Lancet** 1987 Sep 12;2(8559):622

[Use of ACE inhibitors in the treatment of cardiac failure and arterial hypertension (letter)] Greco R, et al. **G Ital Cardiol** 1986 Dec;16(12):1066 **(Ita)**

URINE

Determination of kininase I and kininase II activities in human urine by high–performance liquid chromatography. Porcelli G, et al. **J Chromatogr** 1987 Mar 6;414(2):423–8

KININOGENASE see **KALLIKREIN**

KININOGENS

ANALYSIS

T–kininogen in rats with carrageenin–induced inflammation. Sakamoto W, et al. **Biochem Pharmacol** 1986 Dec 1; 35(23):4283–90

Human cysteine proteinases and their protein inhibitors stefins, cystatins and kininogens. Turk V, et al. **Biomed Biochim Acta** 1986;45(11–12):1375–84

A radioimmunoassay for rat T–kininogen as an acute phase reactant. Hayashi I, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug;34(8):3502–5

Bovine high molecular weight kininogen. The amino acid sequence, positions of carbohydrate chains and disulfide bridges in the heavy chain portion. Sueyoshi T, et al. **J Biol Chem** 1987 Feb 25;262(6):2768–79

Immunoblotting studies of coagulation factor XII, plasma prekallikrein, and high molecular weight kininogen. Lämmle B, et al. **Semin Thromb Hemost** 1987 Jan; 13(1):106–14

[Contact coagulation factors] Kojima T, et al. **Rinsho Byori** 1987 Apr;Spec No 70:79–87 (19 ref.) **(Jpn)**

BLOOD

Increased plasma level of T–kininogen in rats treated with Freund's adjuvant. Barlas A, et al. **Adv Exp Med Biol** 1986; 198 Pt A:61–8

Monoclonal antibodies to rat plasma kininogen. Bedi GS, et al. **Adv Exp Med Biol** 1986;198 Pt A:127–35

A rapid radioimmunoassay for rat plasma kininogen. Bedi GS, et al. **Adv Exp Med Biol** 1986;198 Pt B:495–501

Regulation of the plasma–kallikrein–kininogen system. Colman RW. **Adv Exp Med Biol** 1986;198 Pt B:1–10

Studies on components of the plasma kallikrein–kinin system in patients undergoing cardiopulmonary bypass. Fuhrer G, et al. **Adv Exp Med Biol** 1986;198 Pt B:385–91

Hydrolysis of rat high molecular weight kininogen by purified rat urinary kallikrein: identification of bradykinin as the kinin formed. Girolami JP, et al. **Adv Exp Med Biol** 1986;198 Pt A:137–45

Kininogen by the SRI method in human serum during an acute phase inflammatory reaction. Hamberg U, et al. **Adv Exp Med Biol** 1986;198 Pt A:161–6

Kininogen as a pregnancy–associated plasma protein. Kärkkäinen T, et al. **Adv Exp Med Biol** 1986;198 Pt A:167–72

Amino acid sequence of the light chain of human high molecular mass kininogen. Kellermann J, et al. **Adv Exp Med Biol** 1986;198 Pt A:85–9

Urinary and plasma kallikrein–kinin system in ureteral obstruction in man. Kellokumpu I, et al. **Adv Exp Med Biol** 1986;198 Pt B:263–8

Kinin activation and protease inhibitors in acute pancreatitis in man. Lasson A, et al. **Adv Exp Med Biol** 1986;198 Pt B:423–32

Amino acid sequence of the light chain of human low molecular mass kininogen. Lottspeich F, et al. **Adv Exp Med Biol** 1986;198 Pt A:91–5

Limited proteolysis of HMW kininogen by plasma kallikrein in man—evidence for a processing mechanism different from the bovine system. Müller–Esterl W, et al. **Adv Exp Med Biol** 1986;198 Pt A:97–103

Studies of fibrinopeptide A, fibrinopeptide B beta 15–42 HMW–kininogen and kinin during normal pregnancy labor and puerperium. Mutoh S, et al. **Adv Exp Med Biol** 1986; 198 Pt B:41–4

Studies of fibrinopeptide A, fibrinopeptide B beta 15–42, HMW–kininogen and kinin in cases of caesarean section. Mutoh S, et al. **Adv Exp Med Biol** 1986;198 Pt B:35–9

Purification of human low molecular weight kininogen and its application for a simple ND sensitive method for determination of human urinary kallikrein activity. Nakagawa M, et al. **Adv Exp Med Biol** 1986;198 Pt B:523–9

Mechanism and significance of kinin formation in nephrotic syndrome. Nakamura K, et al. **Adv Exp Med Biol** 1986;198 Pt B:253–62

Isolation and properties of two rat plasma T–kininogens. Okamoto H, et al. **Adv Exp Med Biol** 1986;198 Pt A:69–75

Kallikrein–kinin system in severe experimental hypertension. Quadra JA, et al. **Adv Exp Med Biol** 1986;198 Pt B:313–9

Independent consumption of high and low molecular weight kininogens in vivo. Uchida Y, et al. **Adv Exp Med Biol** 1986;198 Pt A:113–8

Direct radioimmunoassay for rat T–kininogen. Jacob B, et al. **Biochem Biophys Res Commun** 1987 Apr 29; 144(2):1090–7

Acute phase responses of plasma angiotensinogen and T–kininogen in rats. Okamoto H, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):3069–73

Characterization of guinea–pig high–molecular–weight kininogen as multi–functional molecule. Yamamoto T. **Biochim Biophys Acta** 1987 Aug 21;914(3):259–74

Kininogens: inhibitors of cysteine proteinases in plasma and a similar inhibitor in chicken egg white. Brzin J, et al. **Biomed Biochim Acta** 1986;45(11-12):1385-90

Evidence for the presence of two kininogens in porcine plasma and the isolation of high-molecular-weight kininogen. Ishihara F, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov;34(11):4694-702

Evidence that T-kinin does not mediate paw swelling induced by carrageenin: studies with plasma high molecular weight kininogen and low molecular weight kininogen deficient rats. Oh-ishi S, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar;35(3):1315-8

Determination of the bifunctional properties of high molecular weight kininogen by studies with monoclonal antibodies directed to each of its chains. Schmaier AH, et al. **J Biol Chem** 1987 Jan 25;262(3):1405-11

Study of the effect of high molecular weight kininogen upon the fluid-phase inactivation of kallikrein by C1 inhibitor. Silverberg M, et al. **J Biol Chem** 1986 Nov 15; 261(32):14965-8

Identification of the binding site for plasma prekallikrein in human high molecular weight kininogen. A region from residues 185 to 224 of the kininogen light chain retains full binding activity. Tait JF, et al. **J Biol Chem** 1986 Nov 25;261(33):15396-401

Hageman factor, high molecular weight kininogen, and prekallikrein in chronic liver disease. Cordova C, et al. **J Clin Pathol** 1986 Sep;39(9):1003-5

Comparison of human high molecular weight kininogen digestion by plasma kallikrein and by plasmin. A revised method of purification of high molecular weight kininogen. Kleniewski J, et al. **J Lab Clin Med** 1987 Apr;109(4):469-79

Hyperprolactinemia and reduction in plasma titers of Hageman factor, prekallikrein, and high molecular weight kininogen in patients with acute myocardial infarction. La Follette L, et al. **J Lab Clin Med** 1987 Sep;110(3):318-21

A method of determination of human plasma HMW and LMW kininogen levels by bradykinin enzyme immunoassay. Uchida Y, et al. **Pharmacol Res Commun** 1986 Sep;18(9):831-46

[Biochemical aspects of the adverse reaction of contrast media—sequential changes in the amount of kininogen in dog plasma after injection of various amounts of contrast media] Kunihara G, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Sep 25; 46(9):1112-24 (Eng. Abstr.) **(Jpn)**

[State of the kallikrein-kinin system in prolonged pregnancy and delayed labor] Kheifets SN, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):28-30 (Eng. Abstr.) **(Rus)**

[Importance of the kallikrein-kinin system in the early differential diagnosis of mechanical jaundice and viral hepatitis] Dederer IuM, et al. **Klin Med (Mosk)** 1987 Jun; 65(6):99-102 (Eng. Abstr.) **(Rus)**

[Status of the kallikrein-kinin system of the blood in patients with angina pectoris] Moshkova NK, et al. **Klin Med (Mosk)** 1986 Jul;64(7):81-6 (Eng. Abstr.) **(Rus)**

DEFICIENCY

Acute phase plasma proteins in kininogen-deficient Brown Norway rats. Damas J, et al. **Arch Int Physiol Biochim** 1986 Jun;94(2):173-8

GENETICS

Characterization of kininogen deficiency of Brown Norway rat mutant Katholiek strain. Oh-ishi S, et al. **Adv Exp Med Biol** 1986;198 Pt A:77-84

Structure and expression of the genes for major acute phase alpha 1-protein (thiostatin) and kininogen in the rat. Fung WP, et al. **J Biol Chem** 1987 Jul 5;262(19):9298-308

Differing utilization of homologous transcription initiation sites of rat K and T kininogen genes under inflammation condition. Kageyama R, et al. **J Biol Chem** 1987 Feb 15; 262(5):2345-51

Differing expression patterns and evolution of the rat kininogen gene family. Kitagawa H, et al. **J Biol Chem** 1987 Feb 15;262(5):2190-8

IMMUNOLOGY

Studies on the antigenic determinants of human low molecular weight kininogen. Kärkkäinen T, et al. **Adv Exp Med Biol** 1986;198 Pt A:155-60

METABOLISM

Individual reaction steps in the release of kallidin from kininogen by tissue kallikrein. Fiedler F, et al. **Adv Exp Med Biol** 1986;198 Pt A:283-9

Reduced or unchanged cofactor function of human high molecular weight kininogen induced by human plasma kallikrein. Johansen HT, et al. **Adv Exp Med Biol** 1986;198 Pt A:147-53

Interaction of human low molecular weight kininogen with human mast cell tryptase. Schwartz LB, et al. **Adv Exp Med Biol** 1986;198 Pt A:105-11

Immunohistochemical studies on synthesis and distribution of Hageman factor and kininogen. Tsuruta J, et al. **Adv Exp Med Biol** 1986;198 Pt B:63-70

Interaction of human calpains I and II with high molecular weight and low molecular weight kininogens and their heavy chain: mechanism of interaction and the role of divalent cations. Ishiguro H, et al. **Biochemistry** 1987 May 19;26(10):2863-70

T-kinin is released from T-kininogen by consecutive cleavage by cathepsin E-like proteinase and 72 kDa proteinase. Sakamoto W, et al. **Biochim Biophys Acta** 1986 Dec 10;884(3):607-9

Ile-Ser-bradykinin (T-kinin) and Met-Ile-Ser-bradykinin (Met-T-kinin) are released from T-kininogen by an acid proteinase of granulomatous tissues in rats. Sakamoto W, et al. **FEBS Lett** 1987 Jul 27;219(2):437-40

Effects of chemical modifications on the surface- and protein-binding properties of the light chain of human high molecular weight kininogen. Retzios AD, et al. **J Biol Chem** 1987 Mar 5;262(7):3074-81

Primary structure requirements for the binding of human high molecular weight kininogen to plasma prekallikrein and factor XI. Tait JF, et al. **J Biol Chem** 1987 Aug 25; 262(24):11651-6

Kinin release from kininogens by calpains. Higashiyama S, et al. **Life Sci** 1986 Nov 3;39(18):1639-44

Influence of the human pancreatic secretory trypsin inhibitor on trypsin-induced C3 and kininogen cleavage: an in vitro study. Ohlsson K. **Scand J Gastroenterol [Suppl]** 1986; 126:18-20

PHARMACODYNAMICS

Relationship between the cysteine-proteinase-inhibitory function of rat T kininogen and the release of immunoreactive kinin upon trypsin treatment. Moreau T, et al. **Eur J Biochem** 1986 Sep 1;159(2):341-6

PHYSIOLOGY

T-kinin and T-kininogen—an historical overview. Greenbaum LM. **Adv Exp Med Biol** 1986;198 Pt A:55-9

The novel rat kininogen, T-kininogen. A pro-inflammatory factor or a thiostatin? Damas J. **Arch Int Physiol Biochim** 1987 Mar;95(1):67-73 (53 ref.)

Novel functions of the kininogens. Müller-Esterl W. **Semin Thromb Hemost** 1987 Jan;13(1):115-26 (57 ref.)

Contact factors in health and disease. Saito H. **Semin Thromb Hemost** 1987 Jan;13(1):36-49 (146 ref.)

Role of high molecular weight kininogen in contact activation. van Iwaarden F, et al. **Semin Thromb Hemost** 1987 Jan;13(1):15-24 (80 ref.)

SECRETION

Kininogens in nasal secretions after allergen challenge. Baumgarten CR, et al. **Adv Exp Med Biol** 1986;198 Pt B:189-92

URINE

Urinary kininogen: a possible regulator of kinin formation in normal individuals and subjects with essential hypertension, end-stage renal and liver disease. Weinberg MS, et al. **Adv Exp Med Biol** 1986;198 Pt A:119-25

Identification of T-kininogen in rat urine. Okamoto H, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):2979-84

Effects of changing salt and water balance on renal kallikrein, kininogen and kinin. Weinberg M, et al. **Kidney Int** 1987 Mar;31(3):836-41

KININS

Kinins IV. Part A. Proceedings of the Fourth International Kinin Congress. October 21-25, 1984, Savannah, Georgia. **Adv Exp Med Biol** 1986;198:1-590

Kinins IV. Part B. Proceedings of the Fourth International Kinin Conference. October 21-25, 1984, Savannah, Georgia. **Adv Exp Med Biol** 1986;198 Pt B:1-572

Conformational analogy between substance P and physalaemin. Chassaing G, et al. **Biochim Biophys Acta** 1986 Oct 17;873(3):397-404

Conformational behaviour of some tachykinin C-terminal heptapeptides. Cotrait M, et al. **Int J Pept Protein Res** 1986 Nov;28(5):450-5

ANALYSIS

Fast atom bombardment/tandem mass spectrometry of physalaemin-like peptides. Harvan DJ, et al. **Biomed Environ Mass Spectrom** 1987 Jun;14(6):281-7

Physalaemin-like immunoreactive peptides from rabbit stomach. Wilson WE, et al. **Int J Pept Protein Res** 1986 Jul;28(1):58-66

ANTAGONISTS & INHIBITORS

Kinin antagonist activity of compounds from Mandevilla velutina in the rat isolated uterus. Calixto JB, et al. **Br J Pharmacol** 1987 May;91(1):199-204

[Effect of antikinin drugs on the function of the ciliary epithelium of the trachea] Aslanian GG. **Vestn Otorinolaringol** 1986 Nov-Dec;(6):53-6 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

[Value of studying the activity of components of the kinin system of the blood and tissues in chronic hepatitis and chronic cholecystocholangitis in older children] Surovikina MS, et al. **Pediatriia** 1986 Sep;(9):76-7 **(Rus)**

BLOOD

Interrelation between the renin-angiotensin system and kallikrein-kinin system in patients with essential hypertension. Ishida H, et al. **Adv Exp Med Biol** 1986;198 Pt B:329-36

Studies of fibrinopeptide A, fibrinopeptide B beta 15-42, HMW-kininogen and kinin in cases of caesarean section. Mutoh S, et al. **Adv Exp Med Biol** 1986;198 Pt B:35-9

Studies of fibrinopeptide A, fibrinopeptide B beta 15-42 HMW-kininogen and kinin during normal pregnancy labor and puerperium. Mutoh S, et al. **Adv Exp Med Biol** 1986; 198 Pt B:41-4

Mechanism and significance of kinin formation in nephrotic syndrome. Nakamura K, et al. **Adv Exp Med Biol** 1986;198 Pt B:253-62

Isolation and properties of two rat plasma T-kininogens. Okamoto H, et al. **Adv Exp Med Biol** 1986;198 Pt A:69-75

Role in kinin in rat epinephrine pulmonary edema (REPE). Rothschild AM, et al. **Adv Exp Med Biol** 1986;198 Pt B:443-50

The analytical value for kinin concentration in blood depends on the antiserum used in the bradykinin radioimmunoassay. Bönner G, et al. **J Clin Chem Clin Biochem** 1987 Jan; 25(1):39-43

Blood levels of kinins in experimental allergic encephalomyelitis. Germain L, et al. **J Neuroimmunol** 1986 Dec;13(2):135-42

Hypertensive drugs and plasma kinins in rats. Zebrowska-Lupina I, et al. **Pol J Pharmacol Pharm** 1986 May-Jun;38(3):243-9

Effects on peritoneal proteolysis and hemodynamics by high doses of methyl-prednisolone in experimental acute pancreatitis. Ruud TE, et al. **Scand J Gastroenterol [Suppl]** 1986;126:25-31

[Benzoyl-kallikrein: kallikrein activity and kinin generation in plasma] Müller H, et al. **Biomed Biochim Acta** 1986; 45(7):941-4 (Eng. Abstr.) **(Ger)**

[Effect of adrenaline and noradrenaline on the level, biosynthesis and inactivation of kinins in the blood of rabbits] Mietkiewski E, et al. **Ann Acad Med Stetin** 1986; 32:31-45 (Eng. Abstr.) **(Pol)**

[Growth and metastasis of Lewis' lung carcinoma in mice under the pharmacological action on metabolism and the effects of kinins] Veksler IG, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):79-81 (Eng. Abstr.) **(Rus)**

[Effect of diuretics on the activity of the blood kallikrein-kinin system in experimental inflammation] Zverev YF, et al. **Farmakol Toksikol** 1986 Jul-Aug; 49(4):84-6 (Eng. Abstr.) **(Rus)**

[Function of the kallikrein-kinin system and of the blood antiproteinase activity in rats exposed to a weak low-frequency magnetic field] Kubyshkin AV. **Fiziol Zh** 1987 Mar-Apr;33(2):87-9 (Eng. Abstr.) **(Rus)**

[The blood plasma kinin system in rabbits at the early stages of postnatal ontogenesis] Kiselev VI, et al. **Gematol Transfuziol** 1987 Jun;32(6):44-7 (Eng. Abstr.) **(Rus)**

[The kallikrein-kinin system and hemostasis in acute myocardial infarct] Lazutin VK, et al. **Kardiologiia** 1986 Sep;26(9):118-22 (41 ref.) **(Rus)**

[Components of the blood kallikrein-kinin system in patients with uncomplicated and complicated myocardial infarct] Miagkov II, et al. **Kardiologiia** 1986 Aug;26(8):83-5 **(Rus)**

[Characteristics of changes in the kallikrein-kinin system of blood in hypertension] Zholob VM, et al. **Klin Med (Mosk)** 1987 Jan;65(1):69-73 (Eng. Abstr.) **(Rus)**

[Hormonal response of the bodies of cosmonauts after completion of brief space flights] Tigranian RA, et al. **Kosm Biol Aviakosm Med** 1987 May-Jun;21(3):32-5 (Eng. Abstr.) **(Rus)**

[Evaluation of the state of the blood kallikrein-kinin system in cardiovascular diseases] Moshkova NK, et al. **Lab Delo** 1987;(1):42-5 (Eng. Abstr.) **(Rus)**

[Metabolic lung function with regard to kinins in staphylococcal lesions] Tolpegina TB, et al. **Patol Fiziol Eksp Ter** 1987 Jan-Feb;(1):50-2 (Eng. Abstr.) **(Rus)**

[Immunological shifts and changes in the kallikrein-kinin system in viral hepatitis in children and their correction] Trishkova LA, et al. **Pediatriia** 1987;(3):37-9 (Eng. Abstr.) **(Rus)**

[Effect of prodectin on the activity of the blood kallikrein-kinin system in diffuse toxic goiter] Oleinik VA, et al. **Probl Endokrinol (Mosk)** 1986 Jul-Aug;32(4):7-10 (Eng. Abstr.) **(Rus)**

[Bronchial patency and blood kinins in chronic bronchitis] Kats GL, et al. **Sov Med** 1987;(1):72-4 **(Rus)**

[Dynamics of the kallikrein-kinin system in patients with recurrent rheumatic carditis associated with heart defects after administration of inhibitors of the kallikrein-kinin system in complex antirheumatic therapy] Mikunis RI, et al. **Ter Arkh** 1986;58(7):89-91 **(Rus)**

[Status of the kinin system in patients with intracerebral otogenic and rhinosinusogenic complications] Panin VI. **Vestn Otorinolaringol** 1987 May-Jun;(3):78-9 **(Rus)**

[The state of the blood kallikrein-kinin system in acute lung diseases] Zarembskii RA, et al. **Vopr Med Khim** 1987 Jan-Feb;33(1):43-7 (Eng. Abstr.) **(Rus)**

[Role of the blood kinin system in the course of the reparation

processes in tuberculosis] Makinskiĭ AI, et al. **Vrach Delo** 1986 Dec;(12):78–80 (Eng. Abstr.) **(Rus)**

[Use of cholestyramine by patients with chronic ischemic heart disease] Vygovskiĭ VP, et al. **Vrach Delo** 1987 Feb;(2):77–9 (Eng. Abstr.) **(Rus)**

[Role of the blood kallikrein–kinin system in the pathogenesis of functional cardiomyopathy in chronic tonsillitis patients] Vygovskiĭ VP, et al. **Vrach Delo** 1987 Mar;(3):36–7 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Afferent vagal stimulation, vasopressin, and nitroprusside alter cerebrospinal fluid kinin. Thomas GR, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):R136–41

Kinins in cerebrospinal fluid: reduced concentration in spontaneously hypertensive rats. Hermann K, et al. **Experientia** 1986 Dec 1;42(11–12):1238–9

ISOLATION & PURIFICATION

Two kinins isolated from an extract of the venom reservoirs of the solitary wasp Megascolia flavifrons. Yasuhara T, et al. **Toxicon** 1987;25(5):527–35

METABOLISM

The tissue kallikrein–kinin system in human seminal plasma—biochemical and functional aspects. Fink E, et al. **Adv Exp Med Biol** 1986;198 Pt A:291–7

Effect of high and low molecular weight heparin preparations on chromogenic substrate assays for components of the kallikrein–kinin system. Fuhrer G, et al. **Adv Exp Med Biol** 1986;198 Pt B:537–41

The intrinsic coagulation/kinin pathway—the classical complement pathway and their interactions. Kaplan AP, et al. **Adv Exp Med Biol** 1986;198 Pt B:11–25 (79 ref.)

Comprehensive studies on the renal kallikrein–kinin system in essential hypertension. Nakahashi Y, et al. **Adv Exp Med Biol** 1986;198 Pt B:351–7

Urinary kininogen: a possible regulator of kinin formation in normal individuals and subjects with essential hypertension, end-stage renal and liver disease. Weinberg MS, et al. **Adv Exp Med Biol** 1986;198 Pt A:119–25

Bile acids and the intestinal kallikrein–kinin system. Zeitlin IJ, et al. **Adv Exp Med Biol** 1986;198 Pt A:47–53

Activation of kinin–prekallikrein system after infusion of factor VIII concentrates in hemophilic patients [published erratum appears in Clin Ther 1987;9(3):340] Alegre A, et al. **Clin Ther** 1986;9(1):92–6

Conversion of kinins and their antagonists into B1 receptor activators and blockers in isolated vessels. Regoli D, et al. **Eur J Pharmacol** 1986 Aug 15;127(3):219–24

Activation of the plasma kallikrein–kinin system by Vibrio vulnificus protease. Miyoshi N, et al. **Infect Immun** 1987 Aug;55(8):1936–9

Kinin metabolism in human nasal secretions during experimentally induced allergic rhinitis. Proud D, et al. **J Immunol** 1987 Jan 15;138(2):428–34

Relationship between hypertensive response and brain kinin level in the rat injected intraventricularly with glandular kallikrein. Kariya K, et al. **Jpn J Pharmacol** 1987 Feb; 43(2):129–32

Angiotensin I converting enzyme and kinin–hydrolyzing enzymes along the rabbit nephron. Marchetti J, et al. **Kidney Int** 1987 Mar;31(3):744–51

Converting enzyme inhibitor ramipril stimulates prostacyclin synthesis by isolated rat aorta: evidence for a kinin–dependent mechanism. Scherf H, et al. **Klin Wochenschr** 1986 Aug 15;64(16):742–5

Kinin release from kininogens by calpains. Higashiyama S, et al. **Life Sci** 1986 Nov 3;39(18):1639–44

Receptors mediating the increase in vascular permeability to kinins: comparative studies in rat, guinea-pig and rabbit. Whalley ET. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jul;336(1):99–104

Inactivation of kallikrein and kininases and stabilization of whole rat brain kinin levels following focused microwave irradiation. Elrod K, et al. **Neurochem Res** 1986 Oct; 11(10):1463–71

Kallikrein–kinin system and prostaglandins interactions: relevant to hypertension. Sharma JN. **Pharmacol Res Commun** 1986 Jul;18(7):639–52

[Kinin aminopeptidase in lung tissue and activity of kininase II in the serum of patients with silicosis] Szechiński J. **Pol Tyg Lek** 1986 May 12;41(19):635–7 **(Pol)**

[Age-related and regional changes in angiotensin–converting and kinin–degrading activity in the brain of aggressive rats] Gomazkov OA, et al. **Biull Eksp Biol Med** 1987 Jul; 104(7):18–21 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Kallikrein and kinins independently stimulate renin release from isolated rat glomeruli. Beierwaltes WH, et al. **Adv Exp Med Biol** 1986;198 Pt A:265–72

Tachykinins: local gastric effects and brain stem responses. Barber WD, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):G365–73

Comparison of the effects of substance P, neurokinin A, physalaemin and eledoisin in facilitating a nociceptive reflex in the rat. Cridland RA, et al. **Brain Res** 1986 Aug 27;381(1):93–9

Effects of neurokinins on the isolated pig coronary artery. Gulati N, et al. **Eur J Pharmacol** 1987 Jun 4; 137(2–3):149–54

Tachykinins and bombesin excite non-pyramidal neurones in rat hippocampus. Dreifuss JJ, et al. **J Physiol (Lond)** 1986 Oct;379:417–28

Comparison of the responses to the sensory neuropeptides, substance P, neurokinin A, neurokinin B and calcitonin gene-related peptide and to trigeminal nerve stimulation in the iris sphincter muscle of the rabbit. Muramatsu I, et al. **Jpn J Pharmacol** 1987 May;44(1):85–92

Comparison of the bronchoconstrictor and cardiovascular effects of some tachykinins in guinea pigs. Goel V, et al. **Life Sci** 1987 Mar 9;40(10):1007–15

Tachykinins: effects on motility and metabolism of rat polymorphonuclear leucocytes. Roch-Arveiller M, et al. **Pharmacology** 1986;33(5):266–73

PHYSIOLOGY

Transporting epithelia as targets for kinin effects. Cuthbert AW, et al. **Adv Exp Med Biol** 1986;198 Pt A:203–10

Increase in factor VIII clotting activity in the perfusate of isolated dog hind leg and heart by components of kallikrein–kinin system. Funahara Y, et al. **Adv Exp Med Biol** 1986;198 Pt B:79–85

Enhancement of vascular permeability upon serratial infection: activation of Hageman factor—kallikrein—kinin cascade. Matsumoto K, et al. **Adv Exp Med Biol** 1986;198 Pt B:71–8

The role of renal kallikrein–kinin system and prostaglandins in diuresis and natriuresis following saline infusion in normotensives and essential hypertensives. Nishimiya T, et al. **Adv Exp Med Biol** 1986;198 Pt B:337–42

Effect of kallikrein–kinin system on calcium–vitamin D3 metabolism. Ohde H, et al. **Adv Exp Med Biol** 1986;198 Pt B:483–93

The renal kallikrein–kinin system: a look at the controversies. Pisano JJ, et al. **Adv Exp Med Biol** 1986;198 Pt B:193–205

Kinins, receptors, antagonists. Regoli D. **Adv Exp Med Biol** 1986;198 Pt A:549–58

The coagulation–kinin pathway of human plasma. Kaplan AP, et al. **Blood** 1987 Jul;70(1):1–15 (233 ref.)

Role of renin–angiotensin and kallikrein–kinin systems on the mechanism of the hypotensive effects of converting enzyme inhibitor, alacepril. Tanaka S, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):605–9

No evidence on significant roles of the prostaglandin–thromboxane and kallikrein–kinin system in the antihypertensive effect of MK 421 in rats made hypertensive by norepinephrine or vasopressin. Yasujima M, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):323–8

Renal vasoconstrictive effect of kinins mediated by B1-kinin receptors. Guimarães JA, et al. **Eur J Pharmacol** 1986 Nov 4;130(3):177–85

The involvement of histamine, the cyclooxygenase system and the kallikrein–kinin system in acute inflammation generation, demonstrated with the Sephadex model in rats. Egger G, et al. **Exp Pathol** 1987;31(1):39–46

Antihypertensive and renal effects of captopril in spontaneously hypertensive rats: evidence against a role of the kallikrein–kinin system. Filep J, et al. **J Cardiovasc Pharmacol** 1987 Aug;10(2):222–7

Natriuretic effect of acute nifedipine administration is not mediated by the renal kallikrein–kinin system. Madeddu P, et al. **J Cardiovasc Pharmacol** 1987 May;9(5):536–40

The role of kinins in human allergic disease. Proud D, et al. **New Engl Reg Allergy Proc** 1986 May–Jun;7(3):213–8 (29 ref.)

[Postreceptor defect in the effectiveness of insulin: significance of the kallikrein–kinin–prostaglandin system] Dietze GJ, et al. **Beitr Infusionther Klin Ernahr** 1986; 16:92–102 **(Ger)**

[Role of kallikrein–kinin system and sodium metabolism in the development of hypertension in spontaneously hypertensive rats] Kohzuki M, et al. **Nippon Jinzo Gakkai Shi** 1987 Jan;29(1):57–65 (Eng. Abstr.) **(Jpn)**

SECRETION

Kininogens in nasal secretions after allergen challenge. Baumgarten CR, et al. **Adv Exp Med Biol** 1986;198 Pt B:189–92

Kinins as mediators of human allergic reactions. Proud D, et al. **Adv Exp Med Biol** 1986;198 Pt B:181–7

Relationship between the cysteine–proteinase–inhibitory function of rat T kininogen and the release of immunoreactive kinin upon trypsin treatment. Moreau T, et al. **Eur J Biochem** 1986 Sep 1;159(2):341–6

THERAPEUTIC USE

In vitro growth inhibition of human small cell lung cancer by physalaemin. Bepler G, et al. **Cancer Res** 1987 May 1;47(9):2371–5

URINE

Prevention of renal damage and decrease of urinary kinins excretion by chronic treatments with enalapril and captopril in stroke-prone spontaneously hypertensive rats. Kawashima K, et al. **Clin Exp Hypertens [A]** 1987; 9(2–3):409–13

The antihypertensive effect of captopril in essential hypertension: relationship to prostaglandins and the kallikrein–kinin system. Quilley J, et al. **J Hypertens** 1987 Feb;5(1):121–8

Effects of changing salt and water balance on renal kallikrein, kininogen and kinin. Weinberg M, et al. **Kidney Int** 1987 Mar;31(3):836–41

[Effect of urinary kinin on the excretion of water and electrolytes and the regulation of blood pressure in normal adults] Zhu DL. **Chung Hua I Hsueh Tsa Chih** 1986 Nov; 66(11):683–6 **(Chi)**

KINKY HAIR SYNDROME see under **BRAIN DISEASES, METABOLIC**

KIRSTEN SARCOMA VIRUS see under **MOUSE SARCOMA VIRUSES**

KITASAMYCINS see **LEUCOMYCINS**

KITS, DIAGNOSTIC REAGENT see **REAGENT KITS, DIAGNOSTIC**

KLEBSIELLA

ANALYSIS

Structural investigation of the capsular polysaccharide from Klebsiella K19 by chemical and N.M.R. analyses. Beurret M, et al. **Carbohydr Res** 1986 Dec 1;157:13–25

Studies of the primary structure of the capsular polysaccharide from Klebsiella serotype K15. Nath K, et al. **Carbohydr Res** 1987 Mar 15;161(1):91–6

Structural investigation of Klebsiella serotype K10 capsular polysaccharide. Chakrabarti A, et al. **Eur J Biochem** 1987 Apr 1;164(1):237–41

Structural studies on the capsular polysaccharide of Klebsiella serotype K40. Nath RK, et al. **Eur J Biochem** 1987 Jan 15;162(2):439–43

CLASSIFICATION

Phage types, antibiograms and R–plasmids of Klebsiella and Enterobacter isolated from hospital environment and food. Horváth J, et al. **Acta Microbiol Hung** 1986;33(4):285–94

New bacteriophage typing scheme for subdivision of the frequent capsular serotypes of Klebsiella spp. Gaston MA, et al. **J Clin Microbiol** 1987 Jul;25(7):1228–32

[Comparison of the method of bacteriocin typing used for Klebsiella pneumoniae and Klebsiella oxytoca] Kolářová M, et al. **Cesk Epidemiol Mikrobiol Imunol** 1987 Jun; 36(3):148–55 (Eng. Abstr.) **(Cze)**

[Klebsiella infection—special reference to problems viewed from bacteriology] Kato N, et al. **Nippon Rinsho** 1986 Sep; 44(9):2065–71 **(Jpn)**

DRUG EFFECTS

Bactericidal effect of combinations of cephalosporins with tobramycin on clinical isolates of Escherichia coli, Klebsiella and Staphylococcus aureus. Wagenvoort JH, et al. **Arzneimittelforschung** 1986 Sep;36(9):1301–2

[Antibiotic resistance and plasmid profile of E. coli and Klebsiella strains isolated from hospitalized patients under prolonged antibiotic therapy] Milch H, et al. **Orv Hetil** 1986 Nov 23;127(47):2857–63 (Eng. Abstr.) **(Hun)**

[A nationwide study of the antimicrobial susceptibility of clinical isolates of Klebsiella sp. in Japan] Igari J, et al. **Jpn J Antibiot** 1986 Nov;39(11):3110–24 (Eng. Abstr.) **(Jpn)**

[Development of the emergence of gentamicin–resistant Klebsiella strains] Voicescu V, et al. **Rev Ig [Bacteriol]** 1987 Jan–Mar;32(1):23–32 (Eng. Abstr.) **(Rum)**

ENZYMOLOGY

Depolymerization of the capsular polysaccharide from Klebsiella K19 by the glycanase associated with particles of Klebsiella bacteriophage luminal diameter 19. Beurret M, et al. **Carbohydr Res** 1986 Dec 1;157:27–51

Purification and properties of pyridoxal-5'-phosphate-dependent histidine decarboxylases from Klebsiella planticola and Enterobacter aerogenes. Guirard BM, et al. **J Bacteriol** 1987 Sep; 169(9):3963–8

GENETICS

Construction of a transposon containing a gene for polygalacturonate trans–eliminase from Klebsiella oxytoca. Walker MJ, et al. **Arch Microbiol** 1987 Jan;146(4):390–5

Cloning and expression in Escherichia coli of a Klebsiella ozaenae plasmid–borne gene encoding a nitrilase specific for the herbicide bromoxynil. Stalker DM, et al. **J Bacteriol** 1987 Mar;169(3):955–60

Nucleotide sequence of the nifLA operon of Klebsiella oxytoca NG13 and characterization of the gene products. Kim YM, et al. **MGG** 1986 Nov;205(2):255–9

GROWTH & DEVELOPMENT

Quantum thermodynamics approach to phosphorylation and heterotrophic growth yields. Tran VD. **Can J Microbiol** 1987 Apr;33(4):290–9

IMMUNOLOGY

A study of antipolynucleotide antibodies, anti-Klebsiella (K30) antibodies and anti-DNA antibody idiotypes in ankylosing spondylitis. Isenberg DA, et al. **Br J Rheumatol** 1987 Jun;26(3):168–71

The structural elucidation of the capsular polysaccharide of Klebsiella K68. Dutton GG, et al. **Carbohydr Res** 1986 Sep 1;152:249–59

Structure of the Klebsiella type 10 capsular polysaccharide. Sarkar AK, et al. **Carbohydr Res** 1986 Sep 1;152:205–15

Biochemical studies on a factor isolated from Klebsiella K43-BTS1 that cross-reacts with cells from HLA-B27 positive patients with ankylosing spondylitis. Upfold LI, et al. **Hum Immunol** 1986 Nov;17(3):224–38

[Serological diagnosis of anti-Pseudomonas, anti-Klebsiella and anti-E. coli antibody by ELISA] Kohno S, et al. **Kansenshogaku Zasshi** 1986 Aug;60(8):811–23 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Bacterial infection of human oocytes during in vitro fertilization. Ng SC, et al. **Int J Fertil** 1987 Jul–Aug; 32(4):298–301

[Comparative studies of the detection of klebsiellas in water] Kadar M, et al. **Z Gesamte Hyg** 1986 Jul;32(7):407–9 (Eng. Abstr.) **(Ger)**

[Intestinal microflora of patients with antibiotic-associated hemorrhagic colitis associated with Klebsiella oxytoca and Clostridium difficile enterotoxin] Chida T, et al. **Kansenshogaku Zasshi** 1986 Jun;60(6):608–15 (Eng. Abstr.) **(Jpn)**

[A case of pseudomembranous colitis with the detection of Klebsiella oxytoca and Clostridium innocuum in his stool] Saito H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Apr; 84(4):909–14 **(Jpn)**

[Significance of the rate of isolation of Klebsiella, Enterobacter, Citrobacter and intestinal Yersinia in bacteriological research] Bondarenko VM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jun;(6):74–8 **(Rus)**

[Resistance of urinary flora from sources outside the hospital (letter)] Tamborero G, et al. **Med Clin (Barc)** 1987 Jun 20;89(4):175 **(Spa)**

PATHOGENICITY

Haemagglutinins and adherence properties to HeLa and intestine 407 cells of Klebsiella pneumoniae and Klebsiella oxytoca isolates. Podschun R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Mar; 263(4):585–93

PHYSIOLOGY

Comparative investigations of Klebsiella species of clinical origin: plasmid patterns, biochemical reactions, antibiotic resistances and serotypes. Podschun R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Sep; 262(3):335–45

Opsonin independent interaction of Klebsiella strains with human polymorphonuclear leukocytes. Przondo-Hessek A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Nov; 262(4):522–30

KLEBSIELLA AEROGENES see **KLEBSIELLA PNEUMONIAE**

KLEBSIELLA INFECTIONS

Klebsiella pyomyositis [letter] Schwab R, et al. **Am J Med** 1986 Dec;81(6):1116–7

HLA-B27, ankylosing spondylitis and Klebsiella pneumoniae: toward a molecular approach [letter] Toubert A, et al. **J Rheumatol** 1987 Apr;14(2):391–3

[Klebsiella pneumoniae mastitis as a dairying problem] Vecht U, et al. **Tijdschr Diergeneeskd** 1987 Jun 1;112(11):653–9 (Eng. Abstr.) **(Dut)**

[Neonatal intrascrotal sepsis. Apropos of 2 cases] Delattre P, et al. **Ann Pediatr (Paris)** 1987 Mar;34(3):249–50 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Klebsiella ozaenae sinusitis, otitis media, and meningitis in an elderly diabetic woman: a case report. Siegel JD. **J Am Geriatr Soc** 1987 Jul;35(7):685–7

A case of Klebsiella pleuro pneumopericarditis. Kabeer MA, et al. **J Assoc Physicians India** 1986 Jun;34(6):445–7

Modification of susceptibility to Klebsiella pneumoniae during murine cytomegalovirus infection. Leung WC, et al. **Microbiol Immunol** 1986;30(8):761–76

[Cytomegalovirus-associated superinfection of the lung following kidney transplantation] Bittner K, et al. **Dtsch Med Wochenschr** 1987 Feb 6;112(6):214–8 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Klebsiella pneumoniae liver abscess associated with septic endophthalmitis. Liu YC, et al. **Arch Intern Med** 1986 Oct; 146(10):1913–6

Detection of acetoin by head-space gas-liquid chromatography for rapid identification of bacteremia caused by Klebsielleae. Ho SW, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1987 Feb;20(1):9–14

Fatal nonclostridial gas gangrene in a diabetic: a case report and review of the literature. Sambandan S. **Singapore Med J** 1986 Aug;27(4):341–3

Rapid identification of Klebsiella pneumoniae in the lung tissue by fluorescence microscopy. Senba M, et al. **Tohoku J Exp Med** 1986 Jul;149(3):341–2

[Acute intestinal diseases caused by Klebsiella in young children] Kuz'mina LE, et al. **Pediatriia** 1986 Sep;(9):31–3 **(Rus)**

DRUG THERAPY

Continuous versus intermittent administration of ceftazidime in experimental Klebsiella pneumoniae pneumonia in normal and leukopenic rats. Roosendaal R, et al. **Antimicrob Agents Chemother** 1986 Sep;30(3):403–8

Influence of dosage interval on the therapeutic response to gentamicin in mice infected with Klebsiella pneumoniae. Queiroz ML, et al. **Chemotherapy** 1987;33(1):68–76

Evaluation of aztreonam in the treatment of spontaneous bacterial peritonitis in patients with cirrhosis. Ariza J, et al. **Hepatology** 1986 Sep–Oct;6(5):906–10

Evaluation of ceftazidime in experimental Klebsiella pneumoniae pneumonia: comparison with other antibiotics and measurement of its penetration into respiratory tissues and secretions. McColm AA, et al. **J Antimicrob Chemother** 1986 Nov;18(5):599–608

Efficacy of different dosing schedules of tobramycin for treating a murine Klebsiella pneumoniae bronchopneumonia. Pechère M, et al. **J Antimicrob Chemother** 1987 Apr;19(4):487–91

Comparative efficacy of different beta-lactam antibiotics and gentamicin in Klebsiella pneumoniae septicaemia in neutropenic mice. Trautmann M, et al. **J Antimicrob Chemother** 1986 Sep;18(3):387–91

ETIOLOGY

Eye infections caused by respiratory pathogens in mechanically ventilated patients. Ommeslag D, et al. **Crit Care Med** 1987 Jan;15(1):80–1

[Post-jejunoscopy bacteremia caused by Klebsiella pneumoniae] Jemni L, et al. **Ann Gastroenterol Hepatol (Paris)** 1986 Dec;22(7):395–6 (Eng. Abstr.) **(Fre)**

[A case of sino-broncho-bronchiolitis with persistent infection of the lower airway due to Klebsiella pneumoniae] Mikasa K, et al. **Kansenshogaku Zasshi** 1986 May; 60(5):510–7 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Profile of autoantibodies in the serum of patients with tuberculosis, klebsiella and other gram-negative infections. Isenberg DA, et al. **Clin Exp Immunol** 1987 Mar; 67(3):516–23

The sera of patients with Klebsiella infections contain a common anti-DNA idiotype (16/6) Id and anti-polynucleotide activity. el-Roiey A, et al. **Clin Exp Immunol** 1987 Mar;67(3):507–15

Impaired acquired resistance of mice to Klebsiella pneumoniae infection induced by acute NO2 exposure. Bouley G, et al. **Environ Res** 1986 Dec;41(2):497–504

Dose-dependent efficacy of vaccination against K. pneumoniae in high and low antibody responder lines of mice. Mouton D, et al. **Immunol Lett** 1987 Apr;14(4):335–9

Serum immunoglobulin levels in patients with active pulmonary tuberculosis and patients with Klebsiella infection. Sela O, et al. **Immunol Lett** 1987 Jun;15(2):117–20

Immunization against fatal experimental Klebsiella pneumoniae pneumonia. Cryz SJ Jr, et al. **Infect Immun** 1986 Nov;54(2):403–7

[Enhancement of virulence in experimental mixed infection with Escherichia coli and Klebsiella pneumoniae, or Pseudomonas aeruginosa in mice] Tsuji A, et al. **Kansenshogaku Zasshi** 1986 Apr;60(4):304–10 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Cerebral abscess caused by Klebsiella ozaenae. Strampfer MJ, et al. **J Clin Microbiol** 1987 Aug;25(8):1553–4

Transferable enzymatic resistance to third-generation cephalosporins during nosocomial outbreak of multiresistant Klebsiella pneumoniae. Brun-Buisson C, et al. **Lancet** 1987 Aug 8;2(8554):302–6

[Klebsiella infection—special reference to problems viewed from bacteriology] Kato N, et al. **Nippon Rinsho** 1986 Sep; 44(9):2065–71 **(Jpn)**

[Development of the emergence of gentamicin-resistant Klebsiella strains] Voicescu V, et al. **Rev Ig [Bacteriol]** 1987 Jan–Mar;32(1):23–32 (Eng. Abstr.) **(Rum)**

[Epidemiological relation between Klebsiella pneumoniae isolated from feces and from hospital urinary infections] Pereira JA, et al. **Rev Latinoam Microbiol** 1986 Jul–Sep; 28(3):201–9 (Eng. Abstr.) **(Spa)**

OCCURRENCE

An outbreak of serious Klebsiella infections related to food blenders. Kiddy K, et al. **J Hosp Infect** 1987 Mar;9(2):191–3

PATHOLOGY

Alveolar destruction in experimental Klebsiella pneumonia. Irifune K. **Acta Pathol Jpn** 1987 Mar;37(3):475–86

Acute spinal epidural abscess. Ramani A, et al. **J Assoc Physicians India** 1986 Jul;34(7):522–3

PREVENTION & CONTROL

Immunogenic properties of Klebsiella pneumoniae type 2 capsular polysaccharide. Robert A, et al. **Infect Immun** 1986 Nov;54(2):365–70

RADIONUCLIDE IMAGING

Focus of recurrent septicemia due to Klebsiella ozena detected by indium leukocyte scintigraphy. Kennedy JF, et al. **Clin Nucl Med** 1987 Apr;12(4):326–7

VETERINARY

The role of Klebsiella oxytoca in utero-ovarian infection of B6C3F1 mice. Davis JK, et al. **Lab Anim Sci** 1987 Apr; 37(2):159–66

KLEBSIELLA PNEUMONIAE

Structure predictions and surface charge of nitrogenase flavodoxins from Klebsiella pneumoniae and Azotobacter vinelandii. Drummond MH. **Eur J Biochem** 1986 Sep 15; 159(3):549–53

ANALYSIS

Molecular weight determination and partial characterization of Klebsiella pneumoniae hemolysins. Barberis LI, et al. **Can J Microbiol** 1986 Nov;32(11):884–8

Purification of the lipopolysaccharide fraction from Klebsiella pneumoniae O1 K2 by high-performance liquid chromatography. Kol O, et al. **J Chromatogr** 1987 Jun 19; 396:281–6

Purification and characterization of a bacteriocin from Klebsiella pneumoniae 158. Chhibber S, et al. **J Gen Microbiol** 1986 Apr;132 (Pt 4):1051–4

[Enterotoxigenicity of bacteria of the genera Klebsiella and Enterobacter determined by immunologic methods] Barkus MM, et al. **Lab Delo** 1986;(9):556–8 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Biotyping, klebocin typing and antibiogram pattern of clinical isolates of Klebsiella pneumoniae. Chakravarty A, et al. **Indian J Pathol Microbiol** 1986 Oct;29(4):434–43

New bacteriophage typing scheme for subdivision of the frequent capsular serotypes of Klebsiella spp. Gaston MA, et al. **J Clin Microbiol** 1987 Jul;25(7):1228–32

DRUG EFFECTS

Penetration of cefixime into fibrin clots and in vivo efficacy against Escherichia coli, Klebsiella pneumoniae, and Staphylococcus aureus. Bergeron MG, et al. **Antimicrob Agents Chemother** 1986 Dec;30(6):913–6

Association between colistin resistance and broad-spectrum recipient deficiency in Klebsiella pneumoniae. Lamousin-White M, et al. **Antimicrob Agents Chemother** 1986 Dec;30(6):964–5

Sub-MICs of cefuroxime and ciprofloxacin influence interaction of complement and immunoglobulins with Klebsiella pneumoniae. Williams P. **Antimicrob Agents Chemother** 1987 May;31(5):758–62

Monuril and modification of pathogenicity traits in resistant microorganisms. Li Pira G, et al. **Eur Urol** 1987;13 Suppl 1:92–7

Serum bactericidal activity against Klebsiella pneumoniae in volunteers receiving increasing doses of tobramycin with or without cefamandole. Pascual-Lopez A, et al. **Int J Clin Pharmacol Res** 1987;7(1):45–9

Isolation of an aminoglycoside hypersensitive mutant and its application in screening. Numata K, et al. **J Antibiot (Tokyo)** 1986 Jul;39(7):994–1000

Imipenem and ceftazidime resistance in Pseudomonas aeruginosa and Klebsiella pneumoniae [letter] Knothe H, et al. **J Antimicrob Chemother** 1987 Jan;19(1):136–8

Bactericidal activity of ciprofloxacin alone and in combination with azlocillin in an in-vitro capillary model. Zinner SH, et al. **J Antimicrob Chemother** 1986 Nov;18 Suppl D:49–54

Transferable enzymatic resistance to third-generation cephalosporins during nosocomial outbreak of multiresistant Klebsiella pneumoniae. Brun-Buisson C, et al. **Lancet** 1987 Aug 8;2(8554):302–6

[In vitro model for the study of the concentration kinetics of antibiotic combinations and their antibacterial activity] Patsch R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Nov;262(4):512–21 (Eng. Abstr.) **(Ger)**

[Antibacterial and antifungal activity of isoflurane and common anesthetic gases] Giorgi A, et al. **Minerva Med** 1986 Nov 10;77(42–43):2007–10 (Eng. Abstr.) **(Ita)**

[Post-antibiotic effect in the treatment of infections in neutropenic patients] Bermudez LE. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Mar–Apr; 41(2):76–9 (Eng. Abstr.) **(Por)**

ENZYMOLOGY

The K1 beta-lactamase of Klebsiella pneumoniae. Joris B, et al. **Biochem J** 1987 Apr 15;243(2):561–7

Plasmid-specified aminoglycoside-modifying enzymes in clinical isolates of Klebsiella pneumoniae. Facinelli B, et al. **Eur J Epidemiol** 1985 Mar;1(1):48–53

The prephenate dehydrogenase component of the bifunctional T-protein in enteric bacteria can utilize L-arogenate. Ahmad S, et al. **FEBS Lett** 1987 May 25; 216(1):133–9

Part of respiratory nitrate reductase of Klebsiella aerogenes is intimately associated with the peptidoglycan. Abraham PR, et al. **J Bacteriol** 1987 Feb;169(2):849–55

Mechanism of nitrogenase switch-off by oxygen. Goldberg I, et al. **J Bacteriol** 1987 Feb;169(2):874–9

Klebsiella pneumoniae 1,3-propanediol:NAD+ oxidoreductase. Johnson EA, et al. **J Bacteriol** 1987 May; 169(5):2050–4

Purification and characterization of the nickel-containing multicomponent urease from Klebsiella aerogenes. Todd MJ, et al. **J Biol Chem** 1987 May 5;262(13):5963–7

Activation and cleavage of the carbon-cobalt bond of adeninylethylcobalamin by diol dehydrase. Toraya T, et al. **J Biol Chem** 1987 Jun 25;262(18):8544–50

Clostridial pyruvate oxidoreductase and the pyruvate-oxidizing enzyme specific to nitrogen fixation in Klebsiella pneumoniae are similar enzymes. Wahl RC, et al. **J Biol Chem** 1987 Aug 5;262(22):10489–96

Re-investigation of the protein structure of coenzyme B12-dependent diol dehydrase. Tanizawa K, et al. **Z Naturforsch [C]** 1987 Apr;42(4):353–9

[Klebsiella oxytoca beta-lactamases: study of their action on 3d-generation cephalosporins] Labia R, et al. **Pathol Biol (Paris)** 1986 Jun;34(5 Pt 2):611–5 (Eng. Abstr.) **(Fre)**

GENETICS

Organization of the genes for nitrogen fixation in photosynthetic bacteria and cyanobacteria. Haselkorn R. **Annu Rev Microbiol** 1986;40:525–47 (81 ref.)

Molecular cloning of amikacin resistance determinants from a Klebsiella pneumoniae plasmid. Tolmasky ME, et al. **Antimicrob Agents Chemother** 1986 Aug;30(2):315–20

The nifH gene product is required for the synthesis or stability of the iron-molybdenum cofactor of nitrogenase from Klebsiella pneumoniae. Filler WA, et al. **Eur J Biochem** 1986 Oct 15;160(2):371–7

Close evolutionary relationship between the chromosomally encoded beta-lactamase gene of Klebsiella pneumoniae and the TEM beta-lactamase gene mediated by R plasmids. Arakawa Y, et al. **FEBS Lett** 1986 Oct 20;207(1):69–74

Cyclodextrin-glycosyltransferase from Klebsiella pneumoniae M5a1: cloning, nucleotide sequence and expression. Binder F, et al. **Gene** 1986;47(2–3):269–77

Deletion loop mutagenesis of the nifL promoter from Klebsiella pneumoniae: role of the -26 to -12 region in promoter function. Khan H, et al. **Gene** 1986;45(3):281–8

Characterization of genes encoding type 1 fimbriae of Klebsiella pneumoniae, Salmonella typhimurium, and Serratia marcescens. Clegg S, et al. **Infect Immun** 1987 Feb; 55(2):281–7

Comparative organization of nitrogen fixation-specific genes from Azotobacter vinelandii and Klebsiella pneumoniae: DNA sequence of the nifUSV genes. Beynon J, et al. **J Bacteriol** 1987 Sep;169(9):4024–9

Comparison of the malA regions of Escherichia coli and Klebsiella pneumoniae. Bloch MA, et al. **J Bacteriol** 1986 Dec;168(3):1220–7

Conservation of structure and location of Rhizobium meliloti and Klebsiella pneumoniae nifB genes. Buikema WJ, et al. **J Bacteriol** 1987 Mar;169(3):1120–6

Posttranscriptional control of Klebsiella pneumoniae nif mRNA stability by the nifL product. Collins JJ, et al. **J Bacteriol** 1986 Oct;168(1):173–8

Entire nucleotide sequence of the pullulanase gene of Klebsiella aerogenes W70. Katsuragi N, et al. **J Bacteriol** 1987 May;169(5):2301–6

In vitro transcription of the nitrogen fixation regulatory operon nifLA of Klebsiella pneumoniae. Wong PK, et al. **J Bacteriol** 1987 Jun;169(6):2876–80

Nitrogenase MoFe protein subunits from Klebsiella pneumoniae expressed in foreign hosts. Characteristics and interactions. Holland D, et al. **J Biol Chem** 1987 Jun 25; 262(18):8814–20

Frameshifts close to the Klebsiella pneumoniae nifH promoter prevent multicopy inhibition by hybrid nifH plasmids. Buck M, et al. **MGG** 1987 May;207(2–3):492–8

Klebsiella pneumoniae nif-lac fusions are expressed in Agrobacterium tumefaciens C58. Kanvinde L, et al. **MGG** 1987 Mar;206(3):460–4

Characterization of self-transmissible plasmids determining lactose fermentation and multiple antibiotic resistance in clinical strains of Klebsiella pneumoniae. Walia SK, et al. **Plasmid** 1987 Jan;17(1):3–12

[Hybridization of DNA from Actinomycetes of the genus Frankia with nitrogenase structural genes (nifHDK) of Klebsiella pneumoniae and nod-genes of Rhizobium meliloti] Tomashevskil Alu, et al. **Mol Gen Mikrobiol Virusol** 1987 Mar;(3):27–32 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Spontaneous inhibition of bacterial growth in experimental gram-negative endophthalmitis. Davey P, et al. **Invest Ophthalmol Vis Sci** 1987 May;28(5):867–73

IMMUNOLOGY

Failure of Klebsiella pneumoniae antibodies to cross-react with peripheral blood mononuclear cells from patients with ankylosing spondylitis. Cameron FH, et al. **Arthritis Rheum** 1987 Mar;30(3):300–5

Response to the editorial by Terasaki and Yu on the ankylosing spondylitis/Klebsiella/HLA-B27 problem [letter] Geczy AF, et al. **Arthritis Rheum** 1987 Jun; 30(6):714–5

Regarding the ankylosing spondylitis/Klebsiella/HLA-B27 problem. Terasaki PI, et al. **Arthritis Rheum** 1987 Mar; 30(3):353–4

Ligand-binding and idiotypic cross-reactions between anti-DNA antibodies and antibodies to Klebsiella K30 polysaccharide in patients with systemic lupus erythematosus or rheumatoid arthritis. Harkiss GD, et al. **Clin Immunol Immunopathol** 1987 Sep;44(3):283–96

Lymphocyte response to Klebsiella in ankylosing spondylitis. Gross WL, et al. **Eur J Clin Invest** 1986 Oct;16(5):338–46

Serological studies in Crohn's disease. Ibbotson JP, et al. **Eur J Clin Microbiol** 1987 Jun;6(3):286–90

Immunization against fatal experimental Klebsiella pneumoniae pneumonia. Cryz SJ Jr, et al. **Infect Immun** 1986 Nov;54(2):403–7

Immunogenic properties of Klebsiella pneumoniae type 2 capsular polysaccharide. Robert A, et al. **Infect Immun** 1986 Nov;54(2):365–70

Role of capsule and O antigen in resistance of Klebsiella pneumoniae to serum bactericidal activity. Tomás JM, et al. **Infect Immun** 1986 Oct;54(1):85–9

Autoantibodies to HLA B27 in the sera of HLA B27 patients with ankylosing spondylitis and Reiter's syndrome. Molecular mimicry with Klebsiella pneumoniae as potential mechanism of autoimmune disease. Schwimmbeck PL, et al. **J Exp Med** 1987 Jul 1;166(1):173–81

ISOLATION & PURIFICATION

Characterization of Klebsiella pneumoniae from environmental sources. Kumar V, et al. **Indian J Med Res** 1987 Mar;85:259–61

Biochemical characteristics of Klebsiella pneumoniae derived from horses. Eguchi M, et al. **Nippon Juigaku Zasshi** 1987 Apr;49(2):279–83

Rapid identification of Klebsiella pneumoniae in the lung tissue by fluorescence microscopy. Senba M, et al. **Tohoku J Exp Med** 1986 Jul;149(3):341–2

[Epidemiological relation between Klebsiella pneumoniae isolated from feces and from hospital urinary infections] Pereira JA, et al. **Rev Latinoam Microbiol** 1986 Jul-Sep; 28(3):201–9 (Eng. Abstr.) **(Spa)**

METABOLISM

Electron transfer to nitrogenase. Characterization of flavodoxin from Azotobacter chroococcum and comparison of its redox potentials with those of flavodoxins from Azotobacter vinelandii and Klebsiella pneumoniae (nifF-gene product). Deistung J, et al. **Biochem J** 1986 Oct 1;239(1):69–75

Citrate transport in Klebsiella pneumoniae. Dimroth P, et al. **Biol Chem Hoppe Seyler** 1986 Aug;367(8):813–23

Effect of various inducing agents on bacteriocin (klebocin) production by Klebsiella pneumoniae. Chhibber S, et al. **Folia Microbiol (Praha)** 1987;32(2):137–41

Solid-state NMR studies of Klebsiella pneumoniae grown under nitrogen-fixing conditions. Jacob GS, et al. **J Biol Chem** 1987 Jan 5;262(1):254–9

Simultaneous determination of carbohydrates and products of carbohydrate metabolism in fermentation mixtures by HPLC. Ross LF, et al. **J Chromatogr Sci** 1987 Mar; 25(3):112–7

Extracellular oligosaccharides and low-Mr polysaccharides containing (1——2)-beta-D-glucosidic linkages from strains of Xanthomonas, Escherichia coli and Klebsiella pneumoniae. Amemura A, et al. **J Gen Microbiol** 1986 Sep; 132 (Pt 9):2443–52

Metal ion binding by biological surfaces: voltammetric assessment in the presence of bacteria. Gonçalves ML, et al. **Sci Total Environ** 1987 Feb;60:105–19

PATHOGENICITY

Correlation of the virulence of Klebsiella pneumoniae K1 and K2 with the presence of a plasmid encoding aerobactin. Nassif X, et al. **Infect Immun** 1986 Dec;54(3):603–8

Production of an extracellular toxic complex by various strains of Klebsiella pneumoniae. Straus DC. **Infect Immun** 1987 Jan;55(1):44–8

Haemagglutinins and adherence properties to HeLa and intestine 407 cells of Klebsiella pneumoniae and Klebsiella oxytoca isolates. Podschun R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Mar; 263(4):585–93

[Enhancement of virulence in experimental mixed infection with Escherichia coli and Klebsiella pneumoniae, or Pseudomonas aeruginosa in mice] Tsuji A, et al. **Kansenshogaku Zasshi** 1986 Apr;60(4):304–10 (Eng. Abstr.) **(Jpn)**

[Whole blood chemiluminescence response and virulence of various organisms in systemic infection] Tsuji A, et al. **Kansenshogaku Zasshi** 1986 Aug;60(8):849–55 (Eng. Abstr.) **(Jpn)**

[Klebsiella infection—special reference to problems viewed from bacteriology] Kato N, et al. **Nippon Rinsho** 1986 Sep; 44(9):2065–71 **(Jpn)**

PHYSIOLOGY

Comparative investigations of Klebsiella species of clinical origin: plasmid patterns, biochemical reactions, antibiotic resistances and serotypes. Podschun R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Sep; 262(3):335–45

KLEBSIELLA RHINOSCLEROMATIS see under **KLEBSIELLA**

KLEPTOMANIA see **IMPULSE CONTROL DISORDERS**

KLINEFELTER'S SYNDROME

[Klinefelter's syndrome. Early diagnosis and therapy] Vesterhus P. **Tidsskr Nor Laegeforen** 1986 Nov 10; 106(31):2633–6 (Eng. Abstr.) **(Nor)**

BLOOD

Klinefelter's syndrome: hormone metabolism in hypogonadal males with systemic lupus erythematosus. Lahita RG, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:154–7

COMPLICATIONS

Gonadotropin responses to low dose pulsatile administration of GnRH in a case of anosmia with hypogonadotropic hypogonadism associated with gonadal dysgenesis 47 XXY. Hazard J, et al. **Acta Endocrinol (Copenh)** 1986 Dec; 113(4):593–7

Noonan and Klinefelter syndromes in a child [letter] Verloes A, et al. **Am J Med Genet** 1987 Jul;27(3):727–8

Acute megakaryoblastic leukemia and Klinefelter's syndrome. Phebus CK, et al. **Am J Pediatr Hematol Oncol** 1986 Fall;8(3):260–2

Mediastinal teratoma associated with Klinefelter's syndrome. Lachman MF, et al. **Arch Pathol Lab Med** 1986 Nov; 110(11):1067–71

A case of heredo-ataxia in a subject with karyotype 49 XXXXY [letter] Stanzani P, et al. **Brain Dev** 1986; 8(5):570–1

Carcinoma of the male breast and Klinefelter's syndrome: is there an association? Evans DB, et al. **CA** 1987 Jul-Aug; 37(4):246–51 (37 ref.)

Klinefelter's syndrome and acute leukemia. Horsman DE, et al. **Cancer Genet Cytogenet** 1987 Jun;26(2):375–6

Klinefelter's syndrome and lupus erythematosus: report of a case. Dugernier T, et al. **Clin Rheumatol** 1987 Mar; 6(1):84–7

A case of Klinefelter's syndrome associated with hypothalamic-pituitary dysfunction caused by an intracranial germ cell tumor. Oki S, et al. **Endocrinol Jpn** 1987 Feb;34(1):145–51

Extensive verrucosis, squamous cell carcinoma, and immunologic abnormality in Klinefelter's syndrome. Misra RS, et al. **Int J Dermatol** 1986 Oct;25(8):529–30

Klinefelter's syndrome associated with mediastinal germ cell neoplasms. Nichols CR, et al. **J Clin Oncol** 1987 Aug; 5(8):1290–4

Klinefelter syndrome and associated fragile-X syndrome. Pueschel SM, et al. **J Ment Defic Res** 1987 Mar;31 (Pt 1):73–9

[Interstitial tumor of the testis associated with Klinefelter's syndrome and sterility] Tsvetkov D, et al. **Akush Ginekol (Sofiia)** 1986;25(4):67–9 (Eng. Abstr.) **(Bul)**

[Klinefelter's syndrome associated with situs inversus (letter)] Garcin JM, et al. **Presse Med** 1987 Jun 13;16(22):1099 **(Fre)**

[Subacute ischemia of the lower limbs in a patient with Klinefelter's syndrome (letter)] Saupin V, et al. **Presse Med** 1987 Jun 6;16(21):1056–7 **(Fre)**

[Klinefelter's syndrome and malleolar ulcers] Galotto López MA. **Angiologia** 1986 Nov-Dec;38(6):291–5 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Naloxone administration does not affect gonadotropin secretion in patients with Klinefelter's syndrome. Forti G, et al. **Acta Endocrinol (Copenh)** 1987 Jul;115(3):320–4

Influence of testosterone therapy on clinical and immunological features of autoimmune diseases associated with Klinefelter's syndrome. Bizzarro A, et al. **J Clin Endocrinol Metab** 1987 Jan;64(1):32–6

FAMILIAL & GENETIC

Trisomy Xq in a male: the isochromosome X Klinefelter syndrome. Donlan MA, et al. **Am J Med Genet** 1987 May; 27(1):189–94

Klinefelter's syndrome, mosaic 46,XX/46,XY/47,XXY/48,XXXY/48,XXYY: a case report. Al-Awadi SA, et al. **Ann Genet (Paris)** 1986;

29(2):119–21
Paternal non-disjunction in a 46,XY/47,XXY individual with a fragile 17p12 in the mother. Tommerup N, et al. **Clin Genet** 1986 Jul;30(1):76–9
Variation studies of fingerprints in XXY Klinefelter's syndrome. Rignell A. **Hereditas** 1987;106(1):139–45
Hormone study in a case of Klinefelter syndrome with an isochromosome Xq. Bleau G, et al. **Int J Fertil** 1987 Jan–Feb;32(1):50–5
Incontinentia pigmenti in a boy with Klinefelter's syndrome. Ormerod AD, et al. **J Med Genet** 1987 Jul;24(7):439–41
[Cytogenetic studies in Klinefelter's syndrome] Boczkowski K, et al. **Pol Tyg Lek** 1987 Mar 2;42(9):257–9 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Klinefelter's syndrome in Sardinia. Clinical report of 265 hypogonadic males detected at the time of military check-up. Filippi G. **Clin Genet** 1986 Oct;30(4):276–84

PATHOLOGY

Klinefelter's syndrome and extragonadal germ cell tumors. Lee MW, et al. **Cancer** 1987 Sep 1;60(5):1053–5

PSYCHOLOGY

Turner's syndrome [letter] Ratcliffe SG. **Arch Dis Child** 1986 Sep;61(9):928
A case of anorexia nervosa with Klinefelter's syndrome. Hindler CG, et al. **Br J Psychiatry** 1986 Nov;149:659–60
Predicting intellectual functioning in 47,XXY boys from characteristics of sibs. Netley C. **Clin Genet** 1987 Jul; 32(1):24–7
Klinefelter's syndrome and psychopathology: a case study of the combined effects of nature and nurture. Zastowny TR, et al. **Int J Psychiatry Med** 1987;17(2):155–62

KLIPPEL–FEIL SYNDROME

COMPLICATIONS

A case of schizophrenia with the Klippel–Feil syndrome. Krishnaswamy S, et al. **Med J Malaysia** 1985 Dec; 40(4):330–2
Neuroschisis of the cervical spinal cord in a patient with Klippel–Feil syndrome. Nagib MG, et al. **Neurosurgery** 1987 Apr;20(4):629–31
[Syndromes associated with cervical abnormalities: description of a case of Klippel–Feil syndrome associated with an ocular retraction syndrome] Servodio Iammarrone C, et al. **Chir Organi Mov** 1986 Oct–Dec;71(4):425–9 (Eng. Abstr.) **(Ita)**
[Klippel–Feil syndrome] Blanco MA, et al. **Rev Chil Pediatr** 1986 Mar–Apr;57(2):179–82 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Klippel–Feil syndrome and status dysraphicus] Uthoff D. **Klin Monatsbl Augenheilkd** 1986 Jul;189(1):4–6 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Isolation of the right subclavian artery with subclavian steal in a child with Klippel–Feil anomaly: an example of the subclavian artery supply disruption sequence. Brill CB, et al. **Am J Med Genet** 1987 Apr;26(4):933–40

PATHOLOGY

Klippel–Trenaunay–Weber syndrome. Steiner M, et al. **Oral Surg Oral Med Oral Pathol** 1987 Feb;63(2):208–15

KLIPPEL–TRENAUNAY DISEASE see under **ANGIOMATOSIS**

KLORAMFENIKOL see **CHLORAMPHENICOL**

KLUYVEROMYCES see under **ENDOMYCETALES**

KNEE

Pulmonary embolism from a venous thrombus located below the knee. Bartter T, et al. **Arch Intern Med** 1987 Feb; 147(2):373–5
Liposarcoma simulating a Baker's cyst: a case study. Sarkar K, et al. **Arch Orthop Trauma Surg** 1986;105(5):316–9
Algodystrophy: a common unrecognized cause of chronic knee pain. Coughlan RJ, et al. **Br J Rheumatol** 1987 Aug; 26(4):270–4
Usefulness of SPECT in the early detection of avascular necrosis of the knees. Gupta SM, et al. **Clin Nucl Med** 1987 Feb;12(2):99–102
Intraarticular epiphyseal osteoid osteoma of the distal femur. Odaka T, et al. **J Pediatr Orthop** 1987 May–Jun;7(3):331–3
Arthroscopic bullet retrieval. White RR. **J Trauma** 1987 Apr; 27(4):455–6
Ganglion cyst within the quadriceps muscle: evaluation with computed tomography and ultrasound. A case report. Jackson L, et al. **Orthopedics** 1987 Aug;10(8):1179–80
Knee problems in children. Smith JB. **Pediatr Clin North Am** 1986 Dec;33(6):1439–56
Magnetic resonance imaging in the evaluation of suspected osteonecrosis of the knee. Pollack MS, et al. **Skeletal Radiol** 1987;16(2):121–7
[False images of foreign bodies of plant matter in the limbs of children. Apropos of 3 case reports] Tanguy A, et al. **Chir Pediatr** 1986;27(6):348–50 (Eng. Abstr.) **(Fre)**

ABNORMALITIES

St. Helena familial genu valgum. Beighton P, et al. **Clin Genet** 1986 Oct;30(4):309–14
Genu valgum associated with short stature. Johnston CE 2d. **Orthopedics** 1987 Feb;10(2):370–6
Angular deformity of the lower extremity: evaluation with quantitative bone scintigraphy. Work in progress. Harcke HT, et al. **Radiology** 1987 Aug;164(2):437–40
[Tibio-peroneal varus osteotomy in genus valgus in the developmental age (study of 87 cases of various etiologies controlled for an average of 8 years)] Vicenzi G, et al. **Chir Organi Mov** 1986 Oct–Dec;71(4):315–23 (Eng. Abstr.) **(Ita)**

BLOOD SUPPLY

Hemodynamics of the juvenile knee. Joint effusion and synovial inflammation studied in dogs. Bünger C. **Acta Orthop Scand [Suppl]** 1987;222:1–104
Dynamic modifications of the popliteal arterial axis in the sagittal plane during flexion of the knee. Vernon P, et al. **Surg Radiol Anat** 1987;9(1):37–41
[The descending artery of the knee: a microsurgical arterial graft?] Mercier P, et al. **Ann Chir Plast Esthet** 1986; 31(4):390–2 (Eng. Abstr.) **(Fre)**
[Surgical treatment of injuries of the vessels of the popliteal fossa] Evstifeev LK, et al. **Khirurgiia (Mosk)** 1987 Jun; (6):47–50 (Eng. Abstr.) **(Rus)**

INNERVATION

Hypothesis relevant to defective position sense in a damaged knee [letter] Wilson AS, et al. **J Neurol Neurosurg Psychiatry** 1986 Dec;49(12):1462–3
[Neurologic complications in implantation of knee endoprostheses. A clinical and EMG-documented study] Engelhardt P, et al. **Z Orthop** 1987 Mar–Apr;125(2):190–3 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Tumoral calcinosis. A case report. Yin JB, et al. **Chin Med J [Engl]** 1986 Mar;99(3):221
[Magnetic resonance imaging of tumors of the knee using surface coils] Roger B, et al. **Rev Chir Orthop** 1986; 72(4):253–8 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Forces acting on the patella during maximal voluntary contraction of the quadriceps femoris muscle at different knee flexion/extension angles. van Eijden TM, et al. **Acta Anat (Basel)** 1987;129(4):310–4
Sprinters and marathon runners. Does isokinetic knee extensor performance reflect muscle size and structure? Johansson C, et al. **Acta Physiol Scand** 1987 Aug; 130(4):663–9
The relationship between anaerobic power and isokinetic torque outputs. Smith DJ. **Can J Sport Sci** 1987 Mar; 12(1):3–5
An in vitro simulation study of impulsive force transmission along the lower skeletal extremity. Chu ML, et al. **J Biomech** 1986;19(12):979–87
Contribution of the musculature to rotatory laxity and torsional stiffness at the knee. Louie JK, et al. **J Biomech** 1987;20(3):281–300
Effect of muscular activity on valgus/varus laxity and stiffness of the knee. Olmstead TG, et al. **J Biomech** 1986; 19(8):565–77
Effect of inherent muscle length on isometric plantar flexion torque in healthy women. Hornsby TM, et al. **Phys Ther** 1987 Aug;67(8):1191–7
Effect of electrical stimulation current frequencies on isometric knee extension torque. Kramer JF. **Phys Ther** 1987 Jan;67(1):31–8

PHYSIOPATHOLOGY

The relationship of knee and ankle weakness to falls in nursing home residents: an isokinetic study. Whipple RH, et al. **J Am Geriatr Soc** 1987 Jan;35(1):13–20
Studies in pathogenesis of extra-articular stiffness of knee. Sarkar PK, et al. **J Indian Med Assoc** 1986 Apr; 84(4):107–10
Relative decreases in knee extension torque with increased knee extension velocities in stroke patients with hemiparesis. Bohannon RW. **Phys Ther** 1987 Aug; 67(8):1218–20
Force-time measurements of knee muscle functions of subjects with multiple sclerosis. Chen WY, et al. **Phys Ther** 1987 Jun;67(6):934–40

RADIOGRAPHY

The use of CT scan in the evaluation of non-popliteal synovial cysts about the knee. Eady JL, et al. **Orthopedics** 1987 Feb;10(2):503–4
Knee arthrography: effects of various contrast media and epinephrine on synovial fluid. Corbetti F, et al. **Radiology** 1986 Oct;161(1):195–8
Knee arthrography: a comparison of iohexol, ioxaglate sodium meglumine, and metrizoate. Obermann WR, et al. **Radiology** 1987 Mar;162(3):729–33

SURGERY

Acceptance of a connective tissue equivalent for grafting and capsuloligamentary reconstruction. Chamson A, et al. **Clin Physiol Biochem** 1986;4(5):281–4
The sural artery and vein as recipient vessels in free flap reconstruction about the knee. Johnson PE, et al. **J Reconstr Microsurg** 1987 Apr;3(3):233–41
Free-flap salvage of a traumatic below-knee amputation. Chicarilli ZN. **Plast Reconstr Surg** 1987 Jun;79(6):968–73
Gait analysis in hip and knee surgery. Olsson E. **Scand J Rehabil Med [Suppl]** 1986;15:1–55
[Postoperative analgesia (letter)] Bally B. **Ann Fr Anesth Reanim** 1987;6(2):144–5 **(Fre)**
[Femoral nerve block as a postoperative analgesia technic in surgery of the knee] Davidas JL, et al. **Ann Fr Anesth Reanim** 1986;5(5):483–5 (Eng. Abstr.) **(Fre)**
[A foreign body in the knee joint—a very rare injury in children] Schüz W, et al. **Unfallchirurgie** 1987 Feb; 13(1):45–7 (Eng. Abstr.) **(Ger)**

KNEE INJURIES

Knee injuries in athletes. Review of exertion injuries and retrospective study of outpatient sports clinic material. Kujala UM, et al. **Sports Med** 1986 Nov–Dec;3(6):447–60 (133 ref.)
[Acute ligamentous injuries of the knee] Vukadinović S, et al. **Med Pregl** 1986;39(3–4):177–82 (Eng. Abstr.) **(Scr)**

COMPLICATIONS

Arthroscopic meniscectomy in the anterior cruciate ligament–deficient knee. Hanley ST, et al. **Arthroscopy** 1987;3(1):59–65
Thorn-induced synovitis. Chow D, et al. **Can Med Assoc J** 1987 May 15;136(10):1057–8
Management of vascular compromise associated with blunt trauma to the knee and lower leg. Hutchinson DT. **Del Med J** 1986 Sep;58(9):603–6, 611–3
Hypothesis relevant to defective position sense in a damaged knee [letter] Wilson AS, et al. **J Neurol Neurosurg Psychiatry** 1986 Dec;49(12):1462–3
[Post-traumatic algodystrophy in children] Fourastier J, et al. **Chir Pediatr** 1986;27(6):313–7 (Eng. Abstr.) **(Fre)**
[Arthrosis of the knee in chronic anterior laxity] Dejour H, et al. **Rev Chir Orthop** 1987;73(3):157–70 (Eng. Abstr.) **(Fre)**
[A foreign body in the knee joint—a very rare injury in children] Schüz W, et al. **Unfallchirurgie** 1987 Feb; 13(1):45–7 (Eng. Abstr.) **(Ger)**
[Experience with the treatment of fractures combined with vascular injuries] Fröhlich P, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1986; 29(4):251–5 (Eng. Abstr.) **(Hun)**
[Meniscus reinsertion in the surgical correction of fresh knee-joint instability] Kiss I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1987; 30(3):179–84 (Eng. Abstr.) **(Hun)**
[Traumatic bursitis of the knee and elbow joints] Levitskiĭ FA, et al. **Ortop Travmatol Protez** 1987 Apr;(4):44–8 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

The diagnostic accuracy of knee testing in the acutely injured knee. Initial examination versus examination under anaesthesia with arthroscopy. Tonino AJ, et al. **Acta Orthop Belg** 1986 Jul–Aug;52(4):479–87
Traumatic hemarthrosis in stable knees. Sandberg R, et al. **Acta Orthop Scand** 1986 Dec;57(6):516–7
Articular cartilage defects: detectability in cadaver knees with MR. Gylys-Morin VM, et al. **AJR** 1987 Jun; 148(6):1153–7
Magnetic resonance imaging as a tool for evaluation of traumatic knee injuries. Anatomical and pathoanatomical correlations. Mandelbaum BR, et al. **Am J Sports Med** 1986 Sep–Oct;14(5):361–70
Stability tests in knee ligament injuries. Sandberg R, et al. **Arch Orthop Trauma Surg** 1986;106(1):5–7
History of the Lachman test [letter] **Clin Orthop** 1987 Mar; (216):302–3
Accurate interpretation of the Lachman test. Frank C. **Clin Orthop** 1986 Dec;(213):163–6
Lachman test evaluated. Quantification of a clinical observation. Gurtler RA, et al. **Clin Orthop** 1987 Mar; (216):141–50
A new test (the knee jerk test) for the diagnosis of torn meniscus [letter] Mehta MP. **Clin Orthop** 1987 Jul;(220):310
The voluntarily evoked posterolateral drawer sign in the knee with posterolateral instability. Shino K, et al. **Clin Orthop** 1987 Feb;(215):179–86
Arthroscopic re-evaluation of the knee. Tietjen R. **Conn Med** 1987 Mar;51(3):147–50
Examination of the injured knee in the athlete. Johnson PH. **J Arkansas Med Soc** 1986 Aug;83(3):128–33
A no-touch test for the anterior cruciate ligament. Cross MJ, et al. **J Bone Joint Surg [Br]** 1987 Mar;69(2):300

Grading the pivot shift. Objective tests with implications for treatment. Jakob RP, et al. **J Bone Joint Surg [Br]** 1987 Mar;69(2):294–9

Aneurysm after arthroscopy. Manning MP, et al. **J Bone Joint Surg [Br]** 1987 Jan;69(1):151

Evaluation of the knee. Sternbach GL. **J Emerg Med** 1986; 4(2):133–43

Knee arthroscopy for the non-orthopaedist. Fullerton LR Jr. **J Med Assoc Ga** 1986 Nov;75(11):664–5

Ultrasound in the evaluation of the knee and patellar regions. Laine HR, et al. **J Ultrasound Med** 1987 Jan;6(1):33–6

Patellar dislocation and osteochondral fractures. ten Thije JH, et al. **Neth J Surg** 1986 Oct;38(5):150–4

Knee problems in children. Smith JB. **Pediatr Clin North Am** 1986 Dec;33(6):1439–56

Meniscal tears of the knee: accuracy of MR imaging. Crues JV 3d, et al. **Radiology** 1987 Aug;164(2):445–8

Noninvasive evaluation of knee meniscal tears: preliminary comparison of MR imaging and CT. Manco LG, et al. **Radiology** 1987 Jun;163(3):727–30

MR imaging of the knee. Part I. Traumatic disorders. Reicher MA, et al. **Radiology** 1987 Feb;162(2):547–51

[Intra-articular lesions and their development in fresh and old ruptures of the anterior cruciate ligament. Preliminary report] Dupont JY, et al. **Acta Orthop Belg** 1986 Jul–Aug; 52(4):488–514 (Eng. Abstr.) (Fre)

[Liquid crystal thermography as an additional diagnostic measure] Mundt B, et al. **Beitr Orthop Traumatol** 1986 Dec; 33(12):629–34 (Eng. Abstr.) (Ger)

[Meniscus sonography—alternative to invasive meniscus diagnosis?] Sohn C, et al. **Dtsch Med Wochenschr** 1987 Apr 10;112(15):581–4 (Eng. Abstr.) (Ger)

[Meniscus sonography. Value and accuracy compared to arthrography and arthroscopy or surgery] Sohn C, et al. **Fortschr Med** 1987 Feb 20;105(5):81–5 (Eng. Abstr.) (Ger)

[Examination of the injured knee joint] Hackenbruch W, et al. **Orthopade** 1987 Apr;16(2):100–12 (Eng. Abstr.) (Ger)

[Special injuries of the semimembranous zone] Biedert R. **Schweiz Z Sportmed** 1986 Jun;34(2):87–91 (Eng. Abstr.) (Ger)

[Sonographic imaging of the anterior cruciate ligament] Röhr E. **Ultraschall Med** 1987 Feb;8(1):37–9 (Eng. Abstr.) (Ger)

[Clinical results of sonographic functional studies of lesions of the capsule and ligaments of the knee and ankle joint] Schricker T, et al. **Ultraschall Med** 1987 Feb;8(1):27–31 (Eng. Abstr.) (Ger)

[Diagnosis of insufficiency of the posterior cruciate ligament: value of posterior cruciate ligament phenomena in extension] Stäubli HU, et al. **Z Unfallchir Versicherungsmed Berufskr** 1986;79(2):85–8 (Ger)

ETIOLOGY

The intercondylar notch in acute tears of the anterior cruciate ligament: a computer graphics study. Houseworth SW, et al. **Am J Sports Med** 1987 May–Jun;15(3):221–4

Posterior cruciate ligament tears in wrestlers. Stanish WD, et al. **Can J Appl Sport Sci** 1986 Dec;11(4):173–7

Factors predisposing Army conscripts to knee exertion injuries incurred in a physical training program. Kujala UM, et al. **Clin Orthop** 1986 Sep;(210):203–12

Pneumatic nailgun injuries to the knee. le Nobel J, et al. **Clin Orthop** 1987 Apr;(217):228–9

Lower limb asymmetry and patellofemoral joint incongruence in the etiology of knee exertion injuries in athletes. Kujala UM, et al. **Int J Sports Med** 1987 Jun; 8(3):214–20

Marathon running: comparison of physical and psychosocial risks for men and women. Estok PJ, et al. **Res Nurs Health** 1987 Apr;10(2):79–85

Sports related knee injuries in the pediatric and adolescent athlete. Singer IJ. **RI Med J** 1987 Jun;70(6):255–63 (32 ref.)

[Osteochondral fractures of the knee in athletic children] Robert M, et al. **Ann Chir** 1986 Oct;40(7):467–72 (Eng. Abstr.) (Fre)

[Osteochondral fractures of the knee in child athletes] Robert M, et al. **Ann Pediatr (Paris)** 1987 Apr;34(4):287–92 (Eng. Abstr.) (Fre)

[Plant prickle arthritis in children. Apropos of 6 personal cases] Larbre F, et al. **Pediatrie** 1986 Dec;41(8):601–6 (Eng. Abstr.) (Fre)

[Local injuries from knee impact trauma in moped riders] Kurock W, et al. **Z Unfallchir Versicherungsmed Berufskr** 1987;80(2):119–22 (Ger)

[Remote injuries from knee impact trauma in moped riders] Sennerich T, et al. **Z Unfallchir Versicherungsmed Berufskr** 1987;80(2):123–6 (Ger)

METABOLISM

[Biochemical evaluation of the intensity of post-traumatic inflammation after injuries of the joints of the lower extremities] Ternovoi KS, et al. **Ortop Travmatol Protez** 1986 Dec;(12):49–51 (Rus)

OCCURRENCE

Epidemiology of knee injuries in children. Skak SV, et al. **Acta Orthop Scand** 1987 Feb;58(1):78–81

A study of the injured knee. Arthornthurasook A. **J Med Assoc Thai** 1987 Apr;70(4):184–6

[Knee problems in soldiers] Nordstrand K, et al. **Tidsskr Nor Laegeforen** 1987 Feb 10;107(4):360–2 (Eng. Abstr.) (Nor)

PATHOLOGY

Sonography in the detection of meniscal injuries of the knee: evaluation in cadavers. Selby B, et al. **AJR** 1987 Sep; 149(3):549–53

Meniscal tears: pathologic correlation with MR imaging. Stoller DW, et al. **Radiology** 1987 Jun;163(3):731–5

[Anatomic studies of the extensor system of the knee joint and its clinical relevance] Scharf W, et al. **Unfallchirurg** 1986 Oct;89(10):456–62 (Eng. Abstr.) (Ger)

[Value, technic and clinical use of meniscus scnography] Sohn C, et al. **Unfallchirurg** 1987 Apr;90(4):173–9 (Eng. Abstr.) (Ger)

[Imaging of the internal structures of the knee by MR tomography] Heimhuber B, et al. **Z Orthop** 1986 Nov–Dec; 124(6):755–8 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Treatment of the medial collateral ligament injury. I: The importance of anterior cruciate ligament on the varus–valgus knee laxity. Inoue M, et al. **Am J Sports Med** 1987 Jan–Feb;15(1):15–21

Breaststroker's knee. An analysis of epidemiological and biomechanical factors. Vizsolyi P, et al. **Am J Sports Med** 1987 Jan–Feb;15(1):63–71

Consideration of the anterior cruciate ligament injury in skiing. Feagin JA Jr, et al. **Clin Orthop** 1987 Mar;(216):13–8

The locked knee. Allum RL, et al. **Injury** 1986 Jul;17(4):256–8

Passive resistance of the human knee: the effect of remobilization. Heerkens YF, et al. **J Biomed Eng** 1987 Jan;9(1):69–76

PREVENTION & CONTROL

Prophylactic knee bracing in college football. Rovere GD, et al. **Am J Sports Med** 1987 Mar–Apr;15(2):111–6

College football: to brace or not to brace [editorial] Cowell HR. **J Bone Joint Surg [Am]** 1987 Jan;69(1):1

Evaluation of the use of braces to prevent injury to the knee in collegiate football players. Teitz CC, et al. **J Bone Joint Surg [Am]** 1987 Jan;69(1):2–9

RADIOGRAPHY

Trauma oblique radiographs of the knee. Daffner RH, et al. **J Bone Joint Surg [Am]** 1987 Apr;69(4):568–72

Vascular injury associated with low-velocity dislocations of the knee. McCoy GF, et al. **J Bone Joint Surg [Br]** 1987 Mar;69(2):285–7

Isolated avulsion of the tibial attachment of the posterior cruciate ligament in childhood. Ross AC, et al. **J Bone Joint Surg [Br]** 1986 Nov;68(5):747

Radiolucent lines at the proximal end of the LEG simulating fractures. Lundorf E, et al. **Rontgenblatter** 1986 Sep; 39(9):258–9

Benign cortical defect: site for an avulsion fracture. Kumar R, et al. **Skeletal Radiol** 1986;15(7):553–5

Case report 389: Idiopathic, anterolateral dislocation of the fibula at the proximal tibiofibular joint. Sharma P, et al. **Skeletal Radiol** 1986;15(6):505–6

[Gonylaxometric studies of knee stability—technic and use] Latosiewicz R, et al. **Beitr Orthop Traumatol** 1986 Sep; 33(9):420–4 (Eng. Abstr.) (Ger)

[Traumatology of the knee joint—radiologic and accident surgery aspects—2] Ahlers J, et al. **Rontgenblatter** 1987 Aug;40(8):270–8 (Eng. Abstr.) (Ger)

[Traumatology of the knee joint—radiologic and accident surgery aspects—1] Schild H, et al. **Rontgenblatter** 1987 Aug;40(8):263–9 (Eng. Abstr.) (Ger)

[The radiologic Lachman test—a simple and sure method for the detection of damage to the cruciate ligament] Pässler HH, et al. **Unfallchirurgie** 1986 Dec;12(6):295–300 (Eng. Abstr.) (Ger)

RADIONUCLIDE IMAGING

Radionuclide imaging in internal derangements of the knee. Mooar P, et al. **Am J Sports Med** 1987 Mar–Apr; 15(2):132–7

REHABILITATION

Hinged cast after knee ligament surgery. Sandberg S, et al. **Am J Sports Med** 1987 May–Jun;15(3):270–4

Partial rupture of the anterior cruciate ligament. Natural course. Sandberg R, et al. **Clin Orthop** 1987 Jul;(220):176–8

Considerations pursuant to the rehabilitation of the anterior cruciate injured knee. Minkoff J, et al. **Exerc Sport Sci Rev** 1987;15:297–349 (115 ref.)

[Potentials and limits in the rehabilitation of posttraumatic tenderness of the knee] Ciornei G, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr–Jun;90(2):297–9 (Eng. Abstr.) (Rum)

SURGERY

Long term results of primary suturing of the acutely torn anterior cruciate ligament. De Meulemeester C, et al. **Acta Orthop Belg** 1986 Jul–Aug;52(4):453–63

The intra-articular use of bio-degradable polymer coated carbon filament as an adjunct to repair or reconstruction of cruciate ligaments. Rusch RE, et al. **Acta Orthop Belg** 1986 Jul–Aug;52(4):564–73

Reconstruction of the anterior cruciate ligament using the tendon of the semitendinosus muscle. Vandendriessche G, et al. **Acta Orthop Belg** 1986 Jul–Aug;52(4):528–40

Free patellar tendon graft for reconstruction of old posterior cruciate ligament ruptures. Verdonk R, et al. **Acta Orthop Belg** 1986 Jul–Aug;52(4):554–60

Repair of the anterior cruciate ligament. Augmentation versus conventional suture of fresh rupture. Aho AJ, et al. **Acta Orthop Scand** 1986 Aug;57(4):354–7

Early knee motion after open and arthroscopic anterior cruciate ligament reconstruction. Noyes FR, et al. **Am J Sports Med** 1987 Mar–Apr;15(2):149–60

Quadriceps muscle atrophy and long-term recovery after knee ligamentous injury. Järvinen M, et al. **Ann Chir Gynaecol** 1987;76(2):108–13

Plica mediopatellaris—arthroscopic resection under local anesthesia. Andersen E, et al. **Arch Orthop Trauma Surg** 1986;106(1):18–9

Indications for the application of Wagner's method of external fixation across the knee joint. Klasen HJ, et al. **Arch Orthop Trauma Surg** 1986;105(6):364–8

Lateral substitution over the top (LSOT) repair slipped into the lateral compartment. Bauer M, et al. **Arthroscopy** 1987; 3(2):127–8

Clostridium pyoarthrosis following arthroscopy. Bernhang AM. **Arthroscopy** 1987;3(1):56–8

The effect of technique on histology of arthroscopic partial meniscectomy with electrosurgery. Miller GK, et al. **Arthroscopy** 1987;3(1):36–44

Treatment of the anterior cruciate ligament-absent knee with associated meniscal tears. Instrumented testing and clinical evaluation of two patient groups. Ferkel RD, et al. **Clin Orthop** 1987 Sep;(222):239–48

An anterior cruciate ligament (ACL) evaluation format for assessment of artificial or autologous anterior cruciate reconstruction results. Lukianov AV, et al. **Clin Orthop** 1987 May;(218):167–80

Vastus medialis advancement: clinical results and correlation with tangential X-rays of the patellofemoral joint. O'Beirne J, et al. **Ir J Med Sci** 1986 Oct;155(10):356–63

Failure of anterior cruciate-ligament reconstruction using tendon xenograft. van Steensel CJ, et al. **J Bone Joint Surg [Am]** 1987 Jul;69(6):860–4

Reconstruction of the anterior cruciate ligament by allogeneic tendon graft. An operation for chronic ligamentous insufficiency. Shino K, et al. **J Bone Joint Surg [Br]** 1986 Nov;68(5):739–46

Arthroscopic knee ligament reconstruction. Barrett GR. **J Miss State Med Assoc** 1987 May;28(5):113–5

Loss prevention case of the month. The schedule vs the patient. Avery JK. **J Tenn Med Assoc** 1987 Jul;80(7):425

Lateral ligament injury of the knee. Grana WA, et al. **Orthopedics** 1987 Jul;10(7):1039–44

Distally based vastus lateralis muscle flap for coverage of wounds about the knee. Swartz WM, et al. **Plast Reconstr Surg** 1987 Aug;80(2):255–65

[Reconstruction of the anterior cruciate ligament using Kennedy's augmented plastic surgery] Van Overschelde J, et al. **Acta Orthop Belg** 1986 Jul–Aug;52(4):576–82 (Eng. Abstr.) (Fre)

[Intra-articular lesions and their development in old ruptures of the anterior crucuate ligament] Dupont JY, et al. **Rev Chir Orthop** 1986;72 Suppl 2:112–4 (Fre)

[Rupture of the pes anserinus—a rare concomitant injury in anteromedial instability of the knee joint] Bruns J, et al. **Aktuel Traumatol** 1986 Dec;16(6):230–2 (Eng. Abstr.) (Ger)

[Acute arthroscopy in children] Haupt PR, et al. **Aktuel Traumatol** 1987 Apr;17(2):43–7 (Eng. Abstr.) (Ger)

[Femoral fractures near the knee in the growth period] Rettig H, et al. **Aktuel Traumatol** 1987 Apr;17(2):60–4 (Eng. Abstr.) (Ger)

[Plastic reconstruction following neglected damage of the medial collateral ligament of the knee joint] Hinze M. **Beitr Orthop Traumatol** 1987 Jan;34(1):28–33 (Eng. Abstr.) (Ger)

[Replacement of the anterior cruciate ligament by a free transplant from the iliotibial tract of the opposite side] Israel C. **Beitr Orthop Traumatol** 1987 Feb;34(2):74–82 (Eng. Abstr.) (Ger)

[Leunapur mobilization and exercise orthosis in postoperative treatment of ruptures of the anterior cruciate ligaments] Kopka F, et al. **Beitr Orthop Traumatol** 1987 Jan;34(1):34–6 (Eng. Abstr.) (Ger)

[Practical considerations in the surgical management of sports injuries] Munzinger U. **Helv Chir Acta** 1987 May; 53(6):743–53 (Eng. Abstr.) (Ger)

[Chronic posterior instabilities] Dejour H, et al. **Orthopade** 1987 Apr;16(2):149–56 (Eng. Abstr.) (Ger)

[Indications, treatment and evaluation of chronic instability of the anterior cruciate ligament] Jakob RP. **Orthopade** 1987 Apr;16(2):130–9 (Eng. Abstr.) (Ger)

[Personal experiences in surgical treatment of chronic instability of the anterior knee joint] Kerschbaumer F, et al. **Orthopade** 1987 Apr;16(2):140–8 (Eng. Abstr.) (Ger)

[Arthroscopic and surgical ligament-plasty of the knee joint] Klein W. **Orthopade** 1987 Apr;16(2):157–67 (Eng. Abstr.)

(Ger)
[Primary reconstruction of injuries of the capsular ligament of the knee joint] Tscherne H, et al. **Orthopade** 1987 Apr; 16(2):113–29 (Eng. Abstr.) (Ger)
[Minor surgery in general practice: open bursa injury of the knee] Brühwiler K. **Schweiz Rundsch Med Prax** 1987 May 26;76(22):620–1 (Eng. Abstr.) (Ger)
[Simultaneous bilateral rupture of the patellar ligament. Supplement to the report by D. Träger] Garde U, et al. **Unfallchirurg** 1986 Aug;89(8):380–1 (Eng. Abstr.) (Ger)
[Isolated traumatic dislocation of the head of the fibula. Case report] Georgoulis A, et al. **Unfallchirurg** 1987 Apr; 90(4):198–9 (Eng. Abstr.) (Ger)
[Fatal complication in arthroscopy in a gaseous medium] Grünwald J, et al. **Unfallchirurg** 1987 Feb;90(2):97 (Ger)
[Meniscus refixation] Hackenbruch W, et al. **Unfallchirurg** 1987 Feb;90(2):73–8 (Eng. Abstr.) (Ger)
[Results of magnetic resonance (MR) tomography in the follow-up of transplantations of the cruciate ligament] Haller W, et al. **Unfallchirurg** 1986 Aug;89(8):375–9 (Eng. Abstr.) (Ger)
[Long-term results of various surgical methods in fresh and chronic injuries of the anterior cruciate ligament] Passl R, et al. **Unfallchirurg** 1986 Oct;89(10):473–8 (Eng. Abstr.) (Ger)
[Contribution to the treatment of epiphysiolysis of the proximal end of the tibia] Quell M, et al. **Unfallchirurg** 1987 Feb;90(2):79–85 (Eng. Abstr.) (Ger)
[Is surgical treatment of complete medial collateral ligament rupture of the knee joint necessary?] Seiler H, et al. **Unfallchirurg** 1987 Apr;90(4):180–5 (Eng. Abstr.) (Ger)
[Anterior cruciate ligamentplasty. Comparative results of various surgical technics] Sprenger FB, et al. **Unfallchirurg** 1987 Jan;90(1):1–5 (Eng. Abstr.) (Ger)
[Salmonella osteomyelitis (Salmonella infection with manifestation in the tibia] Häring M. **Unfallchirurgie** 1986 Dec;12(6):345–6 (Eng. Abstr.) (Ger)
[Fractures and cartilage injuries of the knee joint in children] Benz G, et al. **Z Kinderchir** 1986 Aug;41(4):219–26 (Eng. Abstr.) (Ger)
[Knee injury in childhood: a retrospective analysis of patients of the Zurich Pediatric Surgery University Clinic] Illi OE, et al. **Z Kinderchir** 1987 Jun;42(3):175–7 (Eng. Abstr.) (Ger)
[Fracture of the tibial apophysis—a typical sports injury in adolescents] Schwöbel MG. **Z Kinderchir** 1987 Jun; 42(3):181–3 (Eng. Abstr.) (Ger)
[Apophyseal injuries of the pelvis and tibia in adolescent athletes] Sennerich T, et al. **Z Kinderchir** 1987 Jun; 42(3):184–6 (Eng. Abstr.) (Ger)
[Replacement of the anterior cruciate ligament combined with valgization osteotomy of the tibia in incipient medial gonarthrosis with anterior cruciate ligament insufficiency] Giger P, et al. **Z Orthop** 1987 Jan–Feb;125(1):68–72 (Eng. Abstr.) (Ger)
[Long-term results of surgical treatment and treatment with a walking cast in fresh complex ligament injuries of the knee] Barandun J, et al. **Z Unfallchir Versicherungsmed Berufskr** 1986;79(4):271–3 (Eng. Abstr.) (Ger)
[Surgically treated injuries of the knee ligaments following motorcycle injuries] Gächter A, et al. **Z Unfallchir Versicherungsmed Berufskr** 1987;80(2):127–9 (Ger)
[Percutaneous reconstruction and fixation of closed fractures of the tibial head. Results of a follow-up study] Gahr R, et al. **Zentralbl Chir** 1986;111(20):1241–9 (Eng. Abstr.) (Ger)
[Arthroscopic meniscus surgery] Kündiger R, et al. **Zentralbl Chir** 1986;111(24):1497–502 (Eng. Abstr.) (Ger)
[Assessing the strength of the anterior cruciate ligaments and transplants from the central third of the patellar ligament] Mayer G, et al. **Zentralbl Chir** 1986;111(24):1544–50 (Eng. Abstr.) (Ger)
[Advantages and problems in acute management of injuries of the capsular ligament system of the knee joint] Zeumer B, et al. **Zentralbl Chir** 1987;112(12):751–9 (Eng. Abstr.) (Ger)
[Results of Ender nailing in pertrochanteric fractures (analysis of 1462 cases)] Kaplonyi G, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1987; 30(3):171–8 (Eng. Abstr.) (Hun)
[The pathological plica mediopatellaris] Szappanos L, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1987; 30(3):229–33 (Eng. Abstr.) (Hun)
[Fractures of the distal part of the femur] Bołoczko S, et al. **Chir Narzadow Ruchu Ortop Pol** 1986;51(6):463–7 (Eng. Abstr.) (Pol)
[Place and value of Slocum's operation in treating chronic luxations of the knee] Floares G, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan–Mar;90(1):51–3 (Eng. Abstr.) (Rum)

THERAPY

Knee bracing and anterolateral rotatory instability. Coughlin L, et al. **Am J Sports Med** 1987 Mar–Apr;15(2):161–3
Long-term prognosis of nonoperatively treated acute knee distortions having primary hemarthrosis without clinical instability. Kannus P, et al. **Am J Sports Med** 1987 Mar–Apr;15(2):138–43
Treatment of the medial collateral ligament injury. II: Structure and function of canine knees in response to differing treatment regimens. Woo SL, et al. **Am J Sports Med** 1987 Jan–Feb;15(1):22–9
Non-surgical management of overuse knee injuries in runners. Taunton JE, et al. **Can J Sport Sci** 1987 Mar; 12(1):11–8
Nonoperative management of isolated grade III collateral ligament injury in high school football players. Jones RE, et al. **Clin Orthop** 1986 Dec;(213):137–40
Ruptures of the extensor mechanism of the knee joint. Clinical results and patellofemoral articulation. Larsen E, et al. **Clin Orthop** 1986 Dec;(213):150–3
Video analysis and treatment of overuse knee injury in cycling: a limited clinical study. Hannaford DR, et al. **Clin Podiatr Med Surg** 1986 Oct;3(4):671–8
Dislocation of the knee. Montgomery JB. **Orthop Clin North Am** 1987 Jan;18(1):149–56
High intensity electrical stimulation effect on thigh musculature during immobilization for knee sprain. A case report. Nitz AJ, et al. **Phys Ther** 1987 Feb;67(2):219–22
[Retropatellar chondropathy and weakness of the quadriceps tendon. Good results using the Kasseler patellar tendon bandage] Hildebrandt HD. **Fortschr Med** 1987 Apr 30; 105(13):258 (Ger)
[Knee orthoses] Winkler W. **Schweiz Z Sportmed** 1986 Sep; 34(3):127–9 (Ger)

VETERINARY

[Intra-articular knee stabilization with synthetic material. A practice-oriented stabilization technic] Lieben NH. **Tijdschr Diergeneeskd** 1986 Dec 1;111(23):1160–6 (Eng. Abstr.) (Dut)
[Avulsion fracture of the tendon of origin of the long extensor muscle of the toe in a horse and a cat] Voorhout G, et al. **Tijdschr Diergeneeskd** 1986 Dec 15;111(24):1225–8 (Eng. Abstr.) (Dut)

KNEE JOINT

Arthroscopy of the knee in children. Eiskjaer S, et al. **Acta Orthop Scand** 1987 Jun;58(3):273–6
Articular ossification after malignant neurolepsis. A case of schizophrenia treated with phenothiazines. Peylan J, et al. **Acta Orthop Scand** 1987 Jun;58(3):284–6
Arthroplasty in tuberculosis of the knee. Two cases of missed diagnosis. Wray CC, et al. **Acta Orthop Scand** 1987 Jun; 58(3):296–8
Monophasic and biphasic synovial sarcoma. An immunohistochemical study. Tsujimoto M, et al. **Acta Pathol Jpn** 1987 Apr;37(4):597–604
Synovial osteochondromatosis. Alexander JE, et al. **Am Fam Physician** 1987 Feb;35(2):157–61
Multiple myeloma presenting with primary meningococcal arthritis. Miller MI, et al. **Am J Med** 1987 Jun;82(6):1257–8
Evaluation of residual instability after arthroscopic meniscectomy in anterior cruciate deficient knees. Shields CL Jr, et al. **Am J Sports Med** 1987 Mar–Apr;15(2):129–31
Suprapatellar pouch rupture or extension into the thigh tissue in rheumatoid disease [letter] Schapira D, et al. **Ann Rheum Dis** 1986 Sep;45(9):791
Unusual features of arthritis caused by Candida parapsilosis. Smith SM, et al. **Arch Pathol Lab Med** 1987 Jan;111(1):71–3
Non-Hodgkin's lymphoma of the synovium simulating rheumatoid arthritis. Dorfman HD, et al. **Arthritis Rheum** 1987 Feb;30(2):155–61
The prevalence of knee osteoarthritis in the elderly. The Framingham Osteoarthritis Study. Felson DT, et al. **Arthritis Rheum** 1987 Aug;30(8):914–8
Successful joint arthroplasty following Proteus morganii (Morganella morganii) septic arthritis: a four-year study. Katz LM, et al. **Arthritis Rheum** 1987 May;30(5):583–5
Medical management of pneumococcal arthritis involving a knee prosthesis. Sublett KL, et al. **Arthritis Rheum** 1987 Aug;30(8):940–2
Complications in arthroscopy: the knee and other joints. Committee on Complications of the Arthroscopy Association of North America. **Arthroscopy** 1986;2(4):253–8
Clostridium pyoarthrosis following arthroscopy. Bernhang AM. **Arthroscopy** 1987;3(1):56–8
Synovial hemangioma of the knee joint—a case report. Boe S. **Arthroscopy** 1986;2(3):178–80
A broken telescope: a complication of arthroscopy. Carlsen A. **Arthroscopy** 1986;2(3):181–3
Localized pigmented villonodular synovitis of the knee mimicking meniscal injury. Flandry FC, et al. **Arthroscopy** 1986;2(4):217–21
Knee arthroscopy in the military population: an analysis of 600 knee arthroscopies. Fullerton LR Jr. **Arthroscopy** 1986; 2(4):259–61
Arthroscopic excision of an intra-articular osteoid osteoma at the knee. Heuijerjans W, et al. **Arthroscopy** 1986; 2(4):215–6
Synovial haemangioma of the knee joint: diagnosis by arthroscopy. Paley D, et al. **Arthroscopy** 1986;2(3):174–7
TVS brace in patients with rheumatoid arthritis or osteoarthritis of the knee [letter] Jawad AS, et al. **Br J Rheumatol** 1986 Nov;25(4):416–7
Clear cell sarcoma of the tendinous portion of the quadriceps muscle at the knee joint managed by limb-sparing surgery. Kenan S, et al. **Bull Hosp Jt Dis Orthop Inst** 1986 Fall; 46(2):129–36
Anteromedial displacement of the tibial tubercle for patellofemoral arthralgia. Cameron HU, et al. **Can J Surg** 1986 Nov;29(6):456–8
Arthroscopic cost containment [letter] Profitt AW, et al. **Can J Surg** 1986 Sep;29(5):301
Staphylococcus epidermidis septic arthritis post arthroscopy. Toye B, et al. **Clin Exp Rheumatol** 1987 Apr–Jun;5(2):165–6
The treatment of congenital knee dislocation. A review of nineteen knees. Ferris B, et al. **Clin Orthop** 1987 Mar; (216):135–40
Knee dysfunction secondary to dislocation of the fabella. Frey C, et al. **Clin Orthop** 1987 Sep;(222):223–7
Heavy labor and the occurrence of gonarthrosis. Lindberg H, et al. **Clin Orthop** 1987 Jan;(214):235–6
Clear cell sarcoma of tendons and aponeuroses (malignant melanoma of soft parts) with unusual roentgenologic findings. Case report. Morishita S, et al. **Clin Orthop** 1987 Mar;(216):276–9
Tenosynovial fibroma arising from the posterior cruciate ligament. Ogata K, et al. **Clin Orthop** 1987 Feb;(215):153–5
Knee pain in the adolescent [letter] Oni OO. **Clin Orthop** 1987 Mar;(216):301
Clinical evaluation of the treatment of osteoarthritic knees using a newly designed wedged insole. Sasaki T, et al. **Clin Orthop** 1987 Aug;(221):181–7
Arthroscopic determination of patellofemoral malalignment. Søjbjerg JO, et al. **Clin Orthop** 1987 Feb;(215):243–7
Connective tissue and immobilization. Key factors in musculoskeletal degeneration? Videman T. **Clin Orthop** 1987 Aug;(221):26–32
The energy cost of walking with arthritis of the hip and knee. Waters RL, et al. **Clin Orthop** 1987 Jan;(214):278–84
Tibial osteotomy in the management of osteoarthritis of the knee. Waugh W. **Clin Orthop** 1986 Sep;(210):55–61
The mechanics of treatment of the osteoarthritic knee with a wedged insole. Yasuda K, et al. **Clin Orthop** 1987 Feb; (215):162–72
Saline washout for knee osteoarthritis: results of a controlled study. Dawes PT, et al. **Clin Rheumatol** 1987 Mar;6(1):61–3
Efficacy of diflunisal versus naproxen in osteoarthritis of the knee: an open study. Deal CL, et al. **Clin Ther** 1986;9 Suppl C:1–14
Comparison of diflunisal and naproxen for relief of anterior knee pain. Fulkerson JP, et al. **Clin Ther** 1986;9 Suppl C:59–61
Comparison of diflunisal and piroxicam in the management of patients with osteoarthritis. Lewis T, et al. **Clin Ther** 1986;9 Suppl C:15–26
Proxen in the treatment of gonarthrosis. A controlled clinical double-blind study. Pagliara L, et al. **Drugs Exp Clin Res** 1986;12(11):929–32
Brucella arthritis in children. Lubani M, et al. **Infection** 1986 Sep–Oct;14(5):233–6
Arthroscopy in children, with special emphasis on meniscal lesions. Juhl M, et al. **Injury** 1986 May;17(3):171–3
Knee pain and swelling in a 38-year-old woman. Hayward I, et al. **Invest Radiol** 1987 Jun;22(6):516–20
Candida arthritis of the knee. Case report. Gambrioli PL, et al. **Ital J Orthop Traumatol** 1986 Jun;12(2):245–52
Campylobacter arthritis. Al-Mohaya SA. **J Assoc Physicians India** 1986 Dec;34(12):885–6
Neural anatomy of the human anterior cruciate ligament. Schutte MJ, et al. **J Bone Joint Surg [Am]** 1987 Feb; 69(2):243–7
Irreducible congenital dislocation of the knee. Aetiology and management. Bell MJ, et al. **J Bone Joint Surg [Br]** 1987 May;69(3):403–6
The Robert Jones bandage. Brodell JD, et al. **J Bone Joint Surg [Br]** 1986 Nov;68(5):776–9
Chondrosarcoma developing in synovial chondromatosis. A case report. Hamilton A, et al. **J Bone Joint Surg [Br]** 1987 Jan;69(1):137–40
Congenital aplasia of the cruciate ligaments. A report of six cases. Kaelin A, et al. **J Bone Joint Surg [Br]** 1986 Nov; 68(5):827–8
Stress fractures of the tibia in osteoarthritis of the knee. Satku K, et al. **J Bone Joint Surg [Br]** 1987 Mar;69(2):309–11
Dome osteotomy of the tibia for osteoarthritis of the knee. Sundaram NA, et al. **J Bone Joint Surg [Br]** 1986 Nov; 68(5):782–6
Prosthetic anterior cruciate ligaments in the rabbit. A comparison of four types of replacement. Thomas NP, et al. **J Bone Joint Surg [Br]** 1987 Mar;69(2):312–6
Further studies on knee ligament failure in broiler breeding fowls. Duff SR. **J Comp Pathol** 1986 Sep;96(5):485–95
Evaluation of the knee. Sternbach GL. **J Emerg Med** 1986; 4(2):133–43
Immune complex deposition in the development of acute synovitis in the rabbit knee joint: quantitative, kinetic and morphological aspects. Crawford JP, et al. **J Manipulative Physiol Ther** 1986 Dec;9(4):249–56
The result of glycosaminoglycan polysulphate intramuscularly in osteoarthritis of the knee. Prasartritha T. **J Med Assoc Thai** 1986 Sep;69(9):462–8
The use of laser Doppler flowmetry to evaluate anterior cruciate blood flow. Schlehr FJ, et al. **J Orthop Res** 1987; 5(1):150–3
One-session surgery for bilateral correction of lower limb deformities in spastic diplegia. Browne AO, et al. **J Pediatr Orthop** 1987 May–Jun;7(3):259–61
Late metastasis of carcinoma of the colon to the knee. Evans PD, et al. **J R Coll Surg Edinb** 1987 Apr;32(2):123–4
Soft tissue recurrence in giant cell tumour of bone. Rasor P, et al. **J R Coll Surg Edinb** 1986 Dec;31(6):355–8

Pasteurella multocida polyarticular septic arthritis. Baker GL, et al. **J Rheumatol** 1987 Apr;14(2):355–7
Calcium pyrophosphate crystals in intermittent hydrarthrosis. Bukosza M, et al. **J Rheumatol** 1986 Oct;13(5):967–8
Arthroscopic synovectomy: a prospective study. Cleland LG, et al. **J Rheumatol** 1986 Oct;13(5):907–10
An evaluation of the efficacy of arthroscopic synovectomy of the knee in rheumatoid arthritis: 12–24 month results. Cohen S, et al. **J Rheumatol** 1987 Jun;14(3):452–5
Monoarthritis as the presenting manifestation of localized Ewing's sarcoma in an older patient. Halla JT, et al. **J Rheumatol** 1987 Jun;14(3):628–31
Clostridium sordelli septic arthritis [letter] Spindler AJ, et al. **J Rheumatol** 1987 Jun;14(3):635–6
Polyarticular pigmented villonodular synovitis in children: evidence for a genetic contribution. Wendt RG, et al. **J Rheumatol** 1986 Oct;13(5):921–6
Magnetic resonance imaging in "housemaid's knee" (prepatellar bursitis). Bellon EM, et al. **Magn Reson Imaging** 1987;5(3):175–7
Evaluation and treatment of anterior knee pain using eccentric exercise. Bennett JG, et al. **Med Sci Sports Exerc** 1986 Oct;18(5):526–30
Evaluation and treatment of anterior knee pain using eccentric exercise [letter] Limbird TJ. **Med Sci Sports Exerc** 1987 Apr;19(2):186
Tuberculosis of the knee presenting as internal derangement. Berson BL, et al. **NY State J Med** 1987 Feb;87(2):123–5
Tuberculosis of the knee. Vennema A. **NY State J Med** 1987 Feb;87(2):88–9
Spontaneous bilateral rupture of the extensor mechanism of the knee in two patients on chronic ambulatory peritoneal dialysis. Lauerman WC, et al. **Orthopedics** 1987 Apr; 10(4):589–91
A simple treatment of genu recurvatum in ataxic and athetoid cerebral palsy. Nuzzo RM. **Orthopedics** 1986 Sep; 9(9):1223–7
Zone approach to knee arthroscopy. Rich C, et al. **Orthopedics** 1986 Sep;9(9):1249–56
The use of computerized thermography in the evaluation of non-traumatic anterior knee pain. Siegel MG, et al. **Orthopedics** 1987 May;10(5):825–30
Osteoarthritic knee pain: a behavioral analysis. Keefe FJ, et al. **Pain** 1987 Mar;28(3):309–21
Immune therapy of osteoarthritis: an open assessment of clinical results with heterologous antibodies to articular tissue ('Serocytol'). Piccione F, et al. **Pharmatherapeutica** 1986;4(9):577–84
Continuous passive motion in the treatment of knee flexion contractures. A case report. Stap LJ, et al. **Phys Ther** 1986 Nov;66(11):1720–2
Treatment of chronic knee effusions with 90yttrium-correlation of in vitro radiation and chemical effects with clinical results at three and six months. Sheldon P, et al. **Rheumatol Int** 1986;6(5):193–7
Clinical comparison of triamcinolonehexacetonide and betamethasone in the treatment of osteoarthrosis of the knee-joint. Valtonen EJ. **Scand J Rheumatol [Suppl]** 1981; 41:1–7
Papain-induced changes in the guinea pig knee joint with special reference to cartilage healing. Moriizumi T, et al. **Virchows Arch [B]** 1986;51(6):461–74
[Diagnostic arthroscopy of the knee joint] Podškubka A, et al. **Acta Chir Orthop Traumatol Cech** 1987 Feb;54(1):56–63 (Eng. Abstr.) (Cze)
[High tibial osteotomy in the treatment of primary gonarthrosis] Gottlieb J, et al. **Ugeskr Laeger** 1987 Feb 23;149(9):591–2 (Eng. Abstr.) (Dan)
[Genu varum and genu valgum in children (letter)] **Ned Tijdschr Geneeskd** 1987 Feb 14;131(7):290 (Dut)
[Pseudo-arthritis of the knee caused by compression neuropathy of the saphenous nerve] Mens JM. **Ned Tijdschr Geneeskd** 1987 Jul 11;131(28):1215–8 (Eng. Abstr.) (Dut)
[Minor complaints: genu varum and genu valgum in children] Oudshoorn P, et al. **Ned Tijdschr Geneeskd** 1987 Jan 3; 131(1):11–2 (Dut)
[Instability of the knee. Antwerp, 9–10 May 1985] **Acta Orthop Belg** 1986 Jul–Aug;52(4):427–584 (Fre)
[Arthroscopy of the knee in elderly subjects] Collette M. **Acta Orthop Belg** 1986 Sep–Oct;52(5):637–44 (Eng. Abstr.) (Fre)
[Biomechanics and classification of knee instability] Müller W. **Acta Orthop Belg** 1986 Jul–Aug;52(4):429–36 (Eng. Abstr.) (Fre)
[Biomechanics of the posterior cruciate ligament of the knee] Sepulchre P, et al. **Acta Orthop Belg** 1986 Jul–Aug; 52(4):437–48 (Eng. Abstr.) (Fre)
[Pathology of the synovial folds of the knee] Zorman D, et al. **Acta Orthop Belg** 1987;53(1):70–4 (Eng. Abstr.) (Fre)
[Anesthesia for arthroscopy of the knee: propofol versus thiopental and halothane] Boittiaux P, et al. **Ann Fr Anesth Reanim** 1987;6(4):324–6 (Eng. Abstr.) (Fre)
[Idiopathic severe valgus deformity of the knee in children. Apropos of 2 cases] N'Guyen Khanh JP, et al. **Chir Pediatr** 1986;27(6):351–3 (Eng. Abstr.) (Fre)
[Pseudophlebitis without popliteal cyst. An unusual clinical form of chondrocalcinosis of the knee (letter)] Fournie B, et al. **Presse Med** 1987 Mar 21;16(10):491 (Fre)
[Arthritis of the knee caused by Mycobacterium terrae] Fournié B, et al. **Rev Rhum Mal Osteoartic** 1987 Jan; 54(1):49–51 (Fre)
[Pathology of the upper peroneotibial joint. History of cysts. Apropos of 4 cases] Huaux JP, et al. **Rev Rhum Mal Osteoartic** 1986 Dec;53(12):723–6 (Fre)
[The future of regressive, radiographically silent, lateral pain of the knee. Perimeniscitis or future gonarthrosis?] Lequesne M, et al. **Rev Rhum Mal Osteoartic** 1987 May; 54(5):417–23 (Fre)
[The general practitioner facing a painful knee] Quadri P, et al. **Schweiz Rundsch Med Prax** 1986 Dec 2;75(49):1495–9 (Eng. Abstr.) (Fre)
[Popliteal tenosynovitis in athletes apropos of 12 cases] Meier JL. **Schweiz Z Sportmed** 1986 Sep;34(3):109–12 (Eng. Abstr.) (Fre)
[Indications for axis-correcting measures of the lower leg in massive malposition without adequate post-traumatic arthrosis in the knee and ankle joint] Kaps HP. **Aktuel Traumatol** 1986 Oct;16(5):207–9 (Ger)
[Initial experiences with sonography of the knee joint] Höhle M, et al. **Beitr Orthop Traumatol** 1986 Aug;33(8):394–402 (Eng. Abstr.) (Ger)
[Damage to the knee joint in ship building] Kasch J, et al. **Beitr Orthop Traumatol** 1986 Oct;33(10):487–94 (Eng. Abstr.) (Ger)
[Oligosymptomatic celiac disease—axis correction of extreme genu valgum with a gliadin-free diet] Teufel M, et al. **Klin Padiatr** 1987 Jan–Feb;199(1):58–61 (Eng. Abstr.) (Ger)
[Knee orthoses] Winkler W. **Schweiz Z Sportmed** 1986 Sep; 34(3):127–9 (Ger)
[Familial osteochondrosis of the knee: etiological factors] Faccini R, et al. **Chir Organi Mov** 1986 Apr–Jun; 71(2):173–8 (Eng. Abstr.) (Ita)
[Changes in the composition of synovial fluid in nontraumatic synovitis] Manduchi R, et al. **Chir Organi Mov** 1986 Apr–Jun;71(2):133–7 (Eng. Abstr.) (Ita)
[Medium- and long-term clinical study on the use of the new non-steroidal anti-inflammatory drug flunoxaprofen in osteoarthrosis] Capone M, et al. **Minerva Med** 1987 Aug 31;78(16):1219–25 (Eng. Abstr.) (Ita)
[Pseudothrombophlebitic syndrome in arthropathies of the knee] Nervetti A, et al. **Recenti Prog Med** 1986 Oct; 77(10):481–5 (Eng. Abstr.) (Ita)
[Studies on the mechanical properties of the knee ligament] Kubotera D. **Nippon Seikeigeka Gakkai Zasshi** 1987 Apr; 61(4):347–59 (Eng. Abstr.) (Jpn)
[Measurement of knee joint sounds by microphone] Inoue J, et al. **Sangyo Ika Daigaku Zasshi** 1986 Sep 1;8(3):307–16 (Eng. Abstr.) (Jpn)
[Diagnostic and therapeutic arthroscopy of the knee joint. Material from a local hospital] Johansen O, et al. **Tidsskr Nor Laegeforen** 1987 Apr 10;107(10–11):926–9 (Eng. Abstr.) (Nor)
[Proximal tibial osteotomy in gonarthroses] Rosén L, et al. **Tidsskr Nor Laegeforen** 1987 Mar 10;107(7):632–3 (Eng. Abstr.) (Nor)
[The Milwaukee syndrome] Kucharz EJ. **Wiad Lek** 1987 Jan 1;40(1):18–20 (18 ref.) (Pol)
[Diagnosis and course of chronic anterior laxities of the knee] Floareş G. **Rev Med Chir Soc Med Nat Iasi** 1986 Jul–Sep; 90(3):433–6 (Eng. Abstr.) (Rum)
[Device for the diagnosis of knee joint instability] Chernov AP, et al. **Ortop Travmatol Protez** 1987 Apr;(4):69–70 (Rus)
[Traumatic bursitis of the knee and elbow joints] Levitskiĭ FA, et al. **Ortop Travmatol Protez** 1987 Apr;(4):44–8 (Eng. Abstr.) (Rus)
[Thermography in the evaluation of the temperature status of the joints of patients with gonarthrosis deformans] Minaev AF. **Ortop Travmatol Protez** 1986 Nov;(11):42–4 (Eng. Abstr.) (Rus)
[Elimination of the knee joint blockade in meniscal injuries] Mitel'man NIu. **Ortop Travmatol Protez** 1987 Apr;(4):57–8 (Rus)
[The tumor form of pigmented villonodular synovitis] Zatsepin ST, et al. **Ortop Travmatol Protez** 1987 Apr; (4):48–51 (Eng. Abstr.) (Rus)
[Our experience with the surgical treatment of gonarthrosis] Zhelev Zh, et al. **Ortop Travmatol Protez** 1986 Nov; (11):40–2 (Eng. Abstr.) (Rus)
[Pathogenesis, diagnosis and treatment of primary tuberculous synovitis] Bellendir EN. **Probl Tuberk** 1987; (5):54–8 (Eng. Abstr.) (Rus)
[Arthroscopy and precision biopsy of the knee joint in the diagnosis and differential diagnosis of rheumatoid arthritis] Cheresh GN, et al. **Revmatologiia (Moskva)** 1986 Oct–Dec; (4):30–4 (Eng. Abstr.) (Rus)

ABNORMALITIES

Congenital aplasia of the anterior cruciate ligament. Report of a case in a seven-year-old girl. Hejgaard N, et al. **Int Orthop** 1987;11(3):223–5
[Valgus deviation of the leg in hemophiliacs] Sadkov SA, et al. **Ortop Travmatol Protez** 1987 Apr;(4):51–3 (Eng. Abstr.) (Rus)

ANALYSIS

[Relation between the water content of joint cartilage and the degree of its destruction] Fil'chagin NM, et al. **Revmatologiia (Moskva)** 1986 Oct–Dec;(4):49–52 (Eng. Abstr.) (Rus)

ANATOMY & HISTOLOGY

Distal femoral fixation of the iliotibial tract. Lobenhoffer P, et al. **Arch Orthop Trauma Surg** 1987;106(5):285–90
A study of the synovial and ligamentous structure of the anterior cruciate ligament. Haus J, et al. **Int Orthop** 1987; 11(2):117–24
[Functional anatomy of the knee joint] Wagner M. **Orthopade** 1987 Apr;16(2):88–99 (Eng. Abstr.) (Ger)
[Nuclear magnetic resonance tomography anatomy of the knee and ankle joints] König R, et al. **Radiologe** 1987 Feb; 27(2):52–6 (Eng. Abstr.) (Ger)

BLOOD SUPPLY

Hemodynamics of the juvenile knee. Joint effusion and synovial inflammation studied in dogs. Bünger C. **Acta Orthop Scand [Suppl]** 1987;222:1–104
Variations and anomalies of the popliteal and tibial arteries. Sanders RJ, et al. **Am J Surg** 1986 Nov;152(5):531–4
Arteriovenous fistula with false aneurysm of the inferior medial geniculate artery. A complication of total knee arthroplasty. Dennis DA, et al. **Clin Orthop** 1987 Sep; (222):255–60
[Arterial reconstructions spanning the knee joint] Bürger K, et al. **Zentralbl Chir** 1986;111(21):1306–11 (Eng. Abstr.) (Ger)

DRUG EFFECTS

Effect of corticosteroid and sodium hyaluronate on induced joint lesions in the guinea-pig knee. Mejersjö C, et al. **Int J Oral Maxillofac Surg** 1987 Apr;16(2):194–201
Effects of acetylsalicylic acid and indomethacin on single groups III and IV sensory units from acutely inflamed joints. Heppelmann B, et al. **Pain** 1986 Sep;26(3):337–51
[Detection of cutaneously administered flufenamic acid in the inner space of the knee joint] Nowack H, et al. **Arzneimittelforschung** 1986 Oct;36(10):1550–2 (Eng. Abstr.) (Ger)

IMMUNOLOGY

Antibodies to canine collagen types I and II in dogs with spontaneous cruciate ligament rupture and osteoarthritis. Niebauer GW, et al. **Arthritis Rheum** 1987 Mar; 30(3):319–27
Hepatitis B antigen in joint irrigation fluid. A hazard for hospital personnel. Koorneef M, et al. **J Bone Joint Surg [Br]** 1987 Aug;69(4):662–3

INNERVATION

The effect of mechanical stimulation of knee joint afferents on quadriceps motor unit activity in the decerebrate cat. Baxendale RH, et al. **Brain Res** 1987 Jul 14;415(2):353–6
Convergent inputs from articular, cutaneous and muscle receptors onto ascending tract cells in the cat spinal cord. Schaible HG, et al. **Exp Brain Res** 1987;66(3):479–88
Enhancement of the responses of ascending tract cells in the cat spinal cord by acute inflammation of the knee joint. Schaible HG, et al. **Exp Brain Res** 1987;66(3):489–99
Discharge characteristics of sympathetic efferents to the knee joint of the cat. Sato Y, et al. **J Auton Nerv Syst** 1987 May;19(2):95–103
Extravasation in the knee induced by antidromic stimulation of articular C fibre afferents of the anaesthetized cat. Ferrell WR, et al. **J Physiol (Lond)** 1986 Oct;379:407–16
[Anterior cruciate ligament reflex (LCA reflex)] Grüber J, et al. **Unfallchirurg** 1986 Dec;89(12):551–4 (Eng. Abstr.) (Ger)

METABOLISM

Antibiotic penetration into the infected knee. A rabbit experiment. Frimodt-Møller N, et al. **Acta Orthop Scand** 1987 Jun;58(3):256–9
Monosodium urate crystals in the knee joints of patients with asymptomatic nontophaceous gout. Bomalaski JS, et al. **Arthritis Rheum** 1986 Dec;29(12):1480–4
Reparative response of human articular cartilage in tissue culture. Comparison between a normal and an osteoarthritic knee of the same donor. Luyten FP, et al. **Clin Exp Rheumatol** 1987 Apr–Jun;5(2):103–10
Albumin microspheres for intra-articular drug delivery: investigation of their retention in normal and arthritic knee joints of rabbits. Ratcliffe JH, et al. **J Pharm Pharmacol** 1987 Apr;39(4):290–5
Newly synthesized and endogenous proteoglycans in human osteoarthritic knee cartilage. Martel-Pelletier J, et al. **J Rheumatol** 1987 Apr;14(2):321–8
Neopterin production in inflamed knee joints: high levels in synovial fluids. Maerker-Alzer G, et al. **Rheumatol Int** 1986;6(4):151–4

MICROBIOLOGY

Isolation of human immunodeficiency virus from synovial fluid of a patient with reactive arthritis. Withrington RH, et al. **Br Med J** 1987 Feb 21;294(6570):484

PATHOLOGY

Synovial involvement in Hodgkin's disease. Barton A, et al. **Br J Rheumatol** 1986 Nov;25(4):391–2

Intra-articular variation of synovial changes in knee arthritis: biopsy study comparing changes in patellofemoral synovium and the medial tibiofemoral synovium. Hutton CW, et al. **Br J Rheumatol** 1987 Feb;26(1):5–8

Essential cryoglobulinemia associated with intense and persistent synovitis of the knee. An HS, et al. **Clin Orthop** 1987 Feb;(215):173–8

Granulomatous reaction and cystic bony destruction associated with high wear rate in a total knee prosthesis [letter] Groth HE. **Clin Orthop** 1987 Mar;(216):309

Recurrent knee pyarthrosis with intact hyaline cartilage. A case report. Sculco TP, et al. **Clin Orthop** 1986 Nov; (212):275–80

Lower limb asymmetry and patellofemoral joint incongruence in the etiology of knee exertion injuries in athletes. Kujala UM, et al. **Int J Sports Med** 1987 Jun; 8(3):214–20

Osteochondritis dissecans [clinical conference] Letson GD, et al. **Orthopedics** 1987 Aug;10(8):1187–9

MR imaging of the knee. Part II. Chronic disorders. Hartzman S, et al. **Radiology** 1987 Feb;162(2):553–7

Pigmented villonodular synovitis: a report of MR imaging in two cases. Kottal RA, et al. **Radiology** 1987 May; 163(2):551–3

Chondromalacia patellae: assessment with MR imaging. Yulish BS, et al. **Radiology** 1987 Sep;164(3):763–6

Arthroscopic volume of the knee joint in young male adults. Visuri T, et al. **Scand J Rheumatol** 1986;15(3):251–4

Case report 398: Friction by pes anserinus. Fornasier VL, et al. **Skeletal Radiol** 1987;16(1):57–9

Preparation of whole rabbit knee joints for microscopic examination. Ohrt C, et al. **Stain Technol** 1986 Nov; 61(6):353–60

[Pinched synovial-tissue syndrome] Dong TX, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Oct;24(10):586–7, 637 (Eng. Abstr.) **(Chi)**

[Intermittent hydrarthrosis in gout] Slot O, et al. **Ugeskr Laeger** 1987 Apr 13;149(16):1064–5 (Eng. Abstr.) **(Dan)**

[Medial and lateral discoid menisci in the same knee. Apropos of a case] Husson JL, et al. **Bull Assoc Anat (Nancy)** 1985 Sep;69(206):201–8 (Eng. Abstr.) **(Fre)**

[Results of autopsy examination of knee cartilage in 120 patients dying in the hospital. I. Femoro-patellar joint] Mitrovic D, et al. **Rev Rhum Mal Osteoartic** 1987 Jan; 54(1):15–21 (Eng. Abstr.) **(Fre)**

[Morphological and biochemical changes in the pars obliqua of the vastus medialis muscle in degenerative disorders of the knee joint] Pieper KS, et al. **Acta Histochem (Jena)** 1986;80(2):183–90 (Eng. Abstr.) **(Ger)**

[Sonography of the knee joint] Tran TK, et al. **Radiologe** 1987 Feb;27(2):57–63 (Eng. Abstr.) **(Ger)**

[MR tomography of hemophilic arthropathy of the knee joint] Steudel A, et al. **ROFO** 1986 Nov;145(5):571–7 (Eng. Abstr.) **(Ger)**

[Imaging of the internal structures of the knee by MR tomography] Heimhuber B, et al. **Z Orthop** 1986 Nov–Dec; 124(6):755–8 (Eng. Abstr.) **(Ger)**

[Value of arthrosonography in the evaluation of exudative and proliferative synovitis] Wörth WD, et al. **Z Rheumatol** 1986 Sep–Oct;45(5):263–6 (Eng. Abstr.) **(Ger)**

[Ultrastructural studies of joint effusion sediment in rheumatoid arthritis, Reiter's disease and ankylosing spondyloarthritis] Mul'diiarov PIa, et al. **Revmatologiia (Moskva)** 1987 Jan–Mar;(1):35–43 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Immobilization and retraining of cruciate ligaments in the rat. Larsen NP, et al. **Acta Orthop Scand** 1987 Jun; 58(3):260–4

The synergistic action of the anterior cruciate ligament and thigh muscles in maintaining joint stability. Solomonow M, et al. **Am J Sports Med** 1987 May–Jun;15(3):207–13

Musculoskeletal profile of male collegiate soccer players. Agre JC, et al. **Arch Phys Med Rehabil** 1987 Mar; 68(3):147–50

Intra-articular pressure in the knee during routine arthroscopy. Bauer M, et al. **Arthroscopy** 1986;2(3):198–9

Effects of knee flexion on the in situ femoropopliteal vein bypass graft. Wolfe JH, et al. **Br J Surg** 1987 Jul;74(7):650

The effects of the tibial femoral angle and of disuse on the strength of canine anterior cruciate ligaments. Bahniuk E. **Bull Hosp Jt Dis Orthop Inst** 1986 Fall;46(2):185–92

The role of cruciate ligaments in maintaining knee joint stability. Rong GW, et al. **Clin Orthop** 1987 Feb;(215):65–71

Measurements of anterior laxity in normal and anterior cruciate absent knees with two instrumented test devices. Sherman OH, et al. **Clin Orthop** 1987 Feb;(215):156–61

Improved range of motion with the Y/S total knee arthroplasty system. Shoji H, et al. **Clin Orthop** 1987 May; (218):150–63

Varus-valgus and rotational stability in rotationally unconstrained total knee arthroplasty. Whiteside LA, et al. **Clin Orthop** 1987 Jun;(219):147–57

A biomechanical evaluation of the Lenox Hill knee brace. Wojtys EM, et al. **Clin Orthop** 1987 Jul;(220):179–84

Muscle exercise after anterior cruciate ligament reconstruction. Biomechanics of the simultaneous isometric contraction method of the quadriceps and the hamstrings. Yasuda K, et al. **Clin Orthop** 1987 Jul;(220):266–74

Exercise after anterior cruciate ligament reconstruction. The force exerted on the tibia by the separate isometric contractions of the quadriceps or the hamstrings. Yasuda K, et al. **Clin Orthop** 1987 Jul;(220):275–83

Indentation study of the biochemical properties of articular cartilage in the canine knee. Jurvelin J, et al. **Eng Med** 1987 Jan;16(1):15–22

Electromyographic patterns associated with a carpet installation task. Bhattacharya A, et al. **Ergonomics** 1986 Sep;29(9):1073–84

Sympathetic effects of manual and electrical acupuncture of the Tsusanli knee point: comparison with the Hoku hand point sympathetic effects. Ernst M, et al. **Exp Neurol** 1986 Oct;94(1):1–10

General considerations in total knee arthroplasty. Heck DA, et al. **Instr Course Lect** 1986;35:265–71

Compensatory movements following gait perturbations: changes in cinematic and muscular activation patterns. Gollhofer A, et al. **Int J Sports Med** 1986 Dec;7(6):325–9

Nitrogen gas exchange in the human knee. Weathersby PK, et al. **J Appl Physiol** 1986 Oct;61(4):1534–45

The effect of total knee design on patellar strain. McLain RF, et al. **J Arthroplasty** 1986;1(2):91–8

Effects of total knee replacement design on femoral-tibial contact conditions. Soudry M, et al. **J Arthroplasty** 1986; 1(1):35–45

Factors influencing the angular velocity of a human limb segment. Bober T, et al. **J Biomech** 1987;20(5):511–21

The effect of the interface on the bone stresses beneath tibial components. Garg A, et al. **J Biomech** 1986;19(12):957–67

Helical motion analysis of the knee—I. Methodology for studying kinematics during locomotion. Shiavi R, et al. **J Biomech** 1987;20(5):459–69

Effects of knee flexion on the structural properties of the rabbit femur-anterior cruciate ligament-tibia complex (FATC). Woo SL, et al. **J Biomech** 1987;20(6):557–63

The role of the posterolateral and cruciate ligaments in the stability of the human knee. A biomechanical study. Gollehon DL, et al. **J Bone Joint Surg [Am]** 1987 Feb; 69(2):233–42

Vibration arthrography as a diagnostic aid in diseases of the knee. A preliminary report. McCoy GF, et al. **J Bone Joint Surg [Br]** 1987 Mar;69(2):288–93

In-vitro ligament tension pattern in the flexed knee in passive loading. Ahmed AM, et al. **J Orthop Res** 1987;5(2):217–30

Force analysis of the patellar mechanism. Ahmed AM, et al. **J Orthop Res** 1987;5(1):69–85

Tensile properties of human knee joint cartilage: I. Influence of ionic conditions, weight bearing, and fibrillation on the tensile modulus. Akizuki S, et al. **J Orthop Res** 1986; 4(4):379–92

Accuracy and reproducibility of instrumented knee-drawer tests. Edixhoven P, et al. **J Orthop Res** 1987;5(3):378–87

New experimental procedures to evaluate the biomechanical properties of healing canine medial collateral ligaments. Woo SL, et al. **J Orthop Res** 1987;5(3):425–32

Catecholamine secretion and adrenal nerve activity in response to movements of normal and inflamed knee joints in cats. Sato A, et al. **J Physiol (Lond)** 1986 Jun;375:611–24

Correlations between objective measures of function and a clinical knee rating scale following total knee replacement. Gore DR, et al. **Orthopedics** 1986 Oct;9(10):1363–7

Patellofemoral joint forces during ergometric cycling. Ericson MO, et al. **Phys Ther** 1987 Sep;67(9):1365–9

Goniometric measurements at the knee [letter] Gajdosik RL. **Phys Ther** 1987 Jun;67(6):979–80

Reliability and validity of goniometric measurements at the knee. Gogia PP, et al. **Phys Ther** 1987 Feb;67(2):192–5

Reliability of measuring anterior laxity of the knee joint using a knee ligament arthrometer. Hanten WP, et al. **Phys Ther** 1987 Mar;67(3):357–9

Load moments about the hip and knee joints during ergometer cycling. Ericson MO, et al. **Scand J Rehabil Med** 1986;18(4):165–72

A computerized method for clinical gait analysis of floor reaction forces and joint angular motion. Olsson E, et al. **Scand J Rehabil Med** 1986;18(3):93–9

Changes in muscle activity during fast, alternating flexion-extension movements of the knee. Richardson C, et al. **Scand J Rehabil Med** 1986;18(2):51–8

On the biomechanics of cycling. A study of joint and muscle load during exercise on the bicycle ergometer. Ericson M. **Scand J Rehabil Med [Suppl]** 1986;16:1–43

Dynamic modifications of the popliteal arterial axis in the sagittal plane during flexion of the knee. Vernon P, et al. **Surg Radiol Anat** 1987;9(1):37–41

The effect of PNF position of the upper extremity on rapid knee extension. Fujita M, et al. **Tohoku J Exp Med** 1986 Sep;150(1):31–5

[Kinematics of the knee] Müller W. **Arch Putti Chir Organi Mov** 1985;35:71–9 (Eng. Abstr.) **(Fre)**

[Topographic differences in the value of the 2 sec Elastic Modul in the cartilage tissue of the knee joint] Popko J, et al. **Beitr Orthop Traumatol** 1986 Oct;33(10):506–9 (Eng. Abstr.) **(Ger)**

[Three-dimensional analysis of the human patello-femoral joint] Matsumura K. **Fukuoka Igaku Zasshi** 1987 Feb; 78(2):95–104 (Eng. Abstr.) **(Jpn)**

[A flexible electrogoniometer using electro-conductive rubber] Morimoto S, et al. **Iyodenshi To Seitai Kogaku** 1986 Jun;24(3):183–7 (Eng. Abstr.) **(Jpn)**

[Biomechanical studies of the ligaments of the knee joint (anterior cruciate ligament and medial collateral ligament) using amputated limbs] Arai Y. **Nippon Seikeigeka Gakkai Zasshi** 1986 Jul;60(7):727–43 (Eng. Abstr.) **(Jpn)**

[Biological mechanisms for decreasing intra-articular friction] Voronovich IR, et al. **Ortop Travmatol Protez** 1987 Apr;(4):71–3 **(Rus)**

[Determination of the normal values of the forward-backward laxity of the knee using a stress machine] Popović N. **Srp Arh Celok Lek** 1986 Jul; 114(7):639–47 (Eng. Abstr.) **(Sec)**

PHYSIOPATHOLOGY

Treatment of the medial collateral ligament injury. I: The importance of anterior cruciate ligament on the varus-valgus knee laxity. Inoue M, et al. **Am J Sports Med** 1987 Jan–Feb;15(1):15–21

Treatment of the medial collateral ligament injury. II: Structure and function of canine knees in response to differing treatment regimens. Woo SL, et al. **Am J Sports Med** 1987 Jan–Feb;15(1):22–9

Isokinetic and isometric testing of knee musculature in patients with rheumatoid arthritis with mild knee involvement. Hsieh LF, et al. **Arch Phys Med Rehabil** 1987 May;68(5 Pt 1):294–7

Isokinetic evaluation of the knee after arthroscopic meniscectomy: comparison between anterolateral and central approaches. Mariani PP, et al. **Arthroscopy** 1987; 3(2):123–6

Accurate interpretation of the Lachman test. Frank C. **Clin Orthop** 1986 Dec;(213):163–6

The voluntarily evoked posterolateral drawer sign in the knee with posterolateral instability. Shino K, et al. **Clin Orthop** 1987 Feb;(215):179–86

Knee biomechanics and total knee replacement. Andriacchi TP, et al. **J Arthroplasty** 1986;1(3):211–9

Effect of range of motion on the success of a total knee arthroplasty. Ritter MA, et al. **J Arthroplasty** 1987; 2(2):95–7

Factors influencing walking and stairclimbing following unicompartmental knee arthroplasty. Weinstein JN, et al. **J Arthroplasty** 1986;1(2):109–15

Resultant lower extremity joint moments in below-knee amputees during running stance. Miller DI. **J Biomech** 1987;20(5):529–41

Measurement of anterior instability of the knee. A new apparatus for clinical testing. Shino K, et al. **J Bone Joint Surg [Br]** 1987 Aug;69(4):608–13

Tensile properties of human knee joint cartilage. II. Correlations between weight bearing and tissue pathology and the kinetics of swelling. Akizuki S, et al. **J Orthop Res** 1987;5(2):173–86

The results of quadricepsplasty on knee motion following femoral fractures. Moore TJ, et al. **J Trauma** 1987 Jan; 27(1):49–51

Vibration arthrography [editorial] **Lancet** 1987 Jun 13; 1(8546):1356

Knee moments in Duchenne muscular dystrophy [letter] Siegel IM. **Lancet** 1986 Oct 25;2(8513):977–8

A biomechanical analysis of two functional knee braces. Knutzen KM, et al. **Med Sci Sports Exerc** 1987 Jun; 19(3):303–9

The immediate effect of physical therapy on range of motion of contracted knee. Tsauo JY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Jun;85(6):545–53

[Effect of immobilization on the articular cartilage of the knee: an experimental study in rabbits] Qiu GX, et al. **Chung Hua Wai Ko Tsa Chih** 1987 Mar;25(3):175–7, 190–1 (Eng. Abstr.) **(Chi)**

[Instrumental measurement of the anteroposterior laxity of the normal and lax knee] Christel M, et al. **Rev Chir Orthop** 1986;72 Suppl 2:115–8 **(Fre)**

[Outcome of the femoropatellar joint in osteoarthritic genu varum after tibial wedge osteotomy for angulation. 10 to 13 year regression] Hernigou P, et al. **Rev Chir Orthop** 1987;73(1):43–8 (Eng. Abstr.) **(Fre)**

[Optical tension studies of lifting osteotomy of the tibial tuberosity] Kasch J, et al. **Zentralbl Chir** 1986; 111(20):1270–6 (Eng. Abstr.) **(Ger)**

[Electromyographic studies on the musculature of the knee with osteoarthritis] Onozawa T. **Nippon Seikeigeka Gakkai Zasshi** 1986 Aug;60(8):929–39 (Eng. Abstr.) **(Jpn)**

[Knee problems in soldiers] Nordstrand K, et al. **Tidsskr Nor Laegeforen** 1987 Feb 10;107(4):360–2 (Eng. Abstr.) **(Nor)**

RADIOGRAPHY

Antibiotic-containing acrylic beads: radiographic appearances. Daffner RH, et al. **AJR** 1987 Jul;149(1):123–4

Cystic masses of the knee: arthrographic and CT evaluation. Lee KR, et al. **AJR** 1987 Feb;148(2):329–34

Radiological case of the month. Severe chronic hemophilic synovitis resulting in epiphyseal overgrowth. Heim M, et al. **Am J Dis Child** 1987 Jul;141(7):801–2

Unusual radiographic features in a female patient with ankylosing spondylitis. Cunningham TJ, et al. **Ann Rheum Dis** 1986 Sep;45(9):776–9

The effect of the radiographic projection on the measured position of the prosthesis at knee arthroplasty. Ivarsson I,

et al. **Arch Orthop Trauma Surg** 1986;105(6):350–2
Long–term follow–up of patients with geomedic prostheses. Ivarsson I, et al. **Arch Orthop Trauma Surg** 1986; 105(6):353–8
Computerized tomography of the patellofemoral joint before and after lateral release or realignment. Fulkerson JP, et al. **Arthroscopy** 1987;3(1):19–24
Long–term results after total condylar knee arthroplasty. Significance of radiolucent lines. Ecker ML, et al. **Clin Orthop** 1987 Mar;(216):151–8
Ruptures of the extensor mechanism of the knee joint. Clinical results and patellofemoral articulation. Larsen E, et al. **Clin Orthop** 1986 Dec;(213):150–3
Improved assessment of lower extremity alignment using new roentgenographic techniques. Petersen TD, et al. **Clin Orthop** 1987 Jun;(219):112–9
Tibial component fixation in knee arthroplasty. Ryd L, et al. **Clin Orthop** 1986 Dec;(213):141–9
Tibial torsion in patients with medial–type osteoarthritic knee. Yagi T, et al. **Clin Orthop** 1986 Dec;(213):177–82
Radiographic features of anterior cruciate ligament reconstruction. Burnstein MI, et al. **Henry Ford Hosp Med J** 1986;34(4):270–4
Total knee arthroplasty: technical planning and surgical aspects. Krackow KA. **Instr Course Lect** 1986;35:272–82
A clinical and radiographic analysis of loosening of total knee arthroplasty components using a bilateral model. Cornell CN, et al. **J Arthroplasty** 1986;1(3):157–63
Trauma oblique radiographs of the knee. Daffner RH, et al. **J Bone Joint Surg [Am]** 1987 Apr;69(4):568–72
A radiographic study of bearing movement in unicompartmental Oxford knee replacements. Bradley J, et al. **J Bone Joint Surg [Br]** 1987 Aug;69(4):598–601
Valgus deformity after proximal tibial fractures in children. Brougham DI, et al. **J Bone Joint Surg [Br]** 1987 May; 69(3):482
Radiographic abnormalities in coagulation factor VII deficiency. Baker SR, et al. **J Can Assoc Radiol** 1987 Mar; 38(1):64–6
Computed arthrotomography with multiplanar reformations and three–dimensional image analysis in the evaluation of the cruciate ligaments: preliminary investigation. Kursunoglu S, et al. **J Can Assoc Radiol** 1986 Sep; 37(3):153–6
Aging changes of the knee in the Thai population. Limpaphayom M, et al. **J Med Assoc Thai** 1986 Nov; 69(11):590–4
Clinical and roentgenological studies on malalignment disorders of the patello–femoral joint. Part I: Classification of patello–femoral alignments using dynamic sky–line view arthrography with special consideration of the mechanism of the malalignment disorders. Imai N, et al. **Nippon Seikeigeka Gakkai Zasshi** 1987 Jan;61(1):1–15
Popliteal cyst. Hines R, et al. **Orthopedics** 1987 Aug; 10(8):1195–6
Answer please. Physiologic bowing. Schmidt F, et al. **Orthopedics** 1986 Sep;9(9):1273–5
Swelling of the knee. Swischuk LE. **Pediatr Emerg Care** 1986 Jun;2(2):102–3
Erect position/tangential projection of the patellofemoral joint. Turner GW, et al. **Radiol Technol** 1982 Sep–Oct; 54(1):11–4
Scatter radiation exposure during knee arthrography. Light MC, et al. **Radiology** 1987 Sep;164(3):867–8
Study of the patellofemoral joint in orthostatism: preliminary considerations on technique. Fasanelli L, et al. **Rays** 1985 May–Aug;10(2):41–6
Radiographic verification of knee goniometry. Enwemeka CS. **Scand J Rehabil Med** 1986;18(2):47–9
Radiological findings in the rheumatoid knee joint in a seventeen–year follow–up. Isacson J, et al. **Scand J Rheumatol** 1987;16(3):153–9
Relationship between some joint fluid, blood and serum variables and radiological destruction in knee joints in arthritic patients. Luukkainen R, et al. **Scand J Rheumatol** 1986;15(4):399–401
[Value of adrenaline in opaque arthrography of the knee. Comparative study of 100 cases] Hélénon O, et al. **J Radiol** 1987 Mar;68(3):225–8 (Eng. Abstr.) **(Fre)**
[Profile of the knee. Differential radiologic anatomy of the articular surfaces] Malghem J, et al. **J Radiol** 1986 Oct; 67(10):725–35 (Eng. Abstr.) **(Fre)**
[Movable prostheses of the knee: critical short–term analysis of the first 21 cases at the Orthopedic Hospital] Leyvraz PF, et al. **Rev Med Suisse Romande** 1986 Aug;106(8):737–47 **(Fre)**
[Arthrographic studies of the femoropatellar joint] Reumuth HJ, et al. **Radiol Diagn (Berl)** 1986;27(6):791–9 (Eng. Abstr.) **(Ger)**
[Arthrography of the knee today] Otto H, et al. **Radiologe** 1987 Feb;27(2):64–70 (Eng. Abstr.) **(Ger)**
[The "unreadable" knee arthrogram. The problem and proposal of a new method: air– and magnification–technic] Langlotz M, et al. **ROFO** 1986 Sep;145(3):304–7 (Eng. Abstr.) **(Ger)**
[Partial algodystrophy] Diethelm U, et al. **Schweiz Med Wochenschr** 1986 Nov 29;116(48):1674–80 (Eng. Abstr.) **(Ger)**
[A new special form of enchondromatosis] Weickert H, et al. **Z Orthop** 1987 Jan–Feb;125(1):99–105 (Eng. Abstr.) **(Ger)**
[A simple method of studying cruciate ligaments in arthrography] Corbetti F, et al. **Radiol Med (Torino)** 1986 Oct;72(10):760–3 (Eng. Abstr.) **(Ita)**
[Degenerative changes in the knee joints caused by stress syndromes in floorers and roofers] Hagner W. **Med Pr** 1986; 37(6):388–92 (Eng. Abstr.) **(Pol)**
[Computerized tomography of the femoro–patellar articulation in the normal state and in habitual dislocation of the patella] Gabuniia RI, et al. **Ortop Travmatol Protez** 1986 Dec;(12):20–3 (Eng. Abstr.) **(Rus)**
[Intra–articular foreign bodies] Mamedov AG. **Ortop Travmatol Protez** 1987 Apr;(4):59–60 **(Rus)**
[Diagnosis of luetic arthropathies] Oleksiuk DI, et al. **Ortop Travmatol Protez** 1986 Sep;(9):42–3 **(Rus)**
[Giant synovial cyst of the popliteal region] Fedoseev VA, et al. **Vestn Rentgenol Radiol** 1986 Nov–Dec;(6):78–9 **(Rus)**

RADIONUCLIDE IMAGING

99mTc–DPD uptake in juvenile arthritis. Scintimetry and autoradiography of the knee in dogs. Hansen ES, et al. **Acta Orthop Scand** 1986 Aug;57(4):299–304
Radionuclide imaging in internal derangements of the knee. Mooar P, et al. **Am J Sports Med** 1987 Mar–Apr; 15(2):132–7
Three–phase bone scintigraphy in Pellegrini–Stieda disease. Liu RS, et al. **Clin Nucl Med** 1987 Jan;12(1):47–9
[Comparative radionuclide diagnosis of knee joint diseases] Marits AA, et al. **Ortop Travmatol Protez** 1986 Sep;(9):8–10 (Eng. Abstr.) **(Rus)**

SURGERY

Comparison between 0.5% bupivacaine with and without glucose in lumbar epidural block for knee surgery. Kyttä J. **Acta Anaesthesiol Scand** 1987 May;31(4):305–8
Failure of the tibial component in a unicompartmental knee replacement. Cameron HU. **Acta Orthop Belg** 1986 Sep–Oct;52(5):607–11
Extra–articular ligamentoplasty for chronic ACL insufficiency. Claes T, et al. **Acta Orthop Belg** 1986 Jul–Aug;52(4):515–25
The pes anserinus transfer. Hede A, et al. **Acta Orthop Belg** 1986;52(6):841–7
Knee arthroscopy and arthrotomy under local anesthesia. Kirkeby OJ, et al. **Acta Orthop Scand** 1987 Apr;58(2):133–4
Painful fabella. A case report with review of the literature. Kuur E. **Acta Orthop Scand** 1986 Oct;57(5):453–4
Poor results of double osteotomy for the rheumatoid knee. Schüller HM, et al. **Acta Orthop Scand** 1987 Jun; 58(3):253–5
Titanium implants in rabbit knee joints. Thomsen P, et al. **Acta Orthop Scand** 1987 Jun;58(3):265–9
Hospital–acquired infections after arthroscopic knee surgery: a probable environmental source. Ajemian E, et al. **Am J Infect Control** 1987 Aug;15(4):159–62
Biomechanical evaluation of superficial transfer of the biceps femoris tendon. Brunet ME, et al. **Am J Sports Med** 1987 Mar–Apr;15(2):103–10
A study of the biological behavior of the meniscus as a transplant in the medial compartment of a dog's knee. Canham W, et al. **Am J Sports Med** 1986 Sep–Oct; 14(5):376–9
Analysis of the Müller anterolateral femorotibial ligament reconstruction using a computerized knee model. Gibson M, et al. **Am J Sports Med** 1986 Sep–Oct;14(5):371–5
A biomechanical comparison of different surgical techniques of graft fixation in anterior cruciate ligament reconstruction. Kurosaka M, et al. **Am J Sports Med** 1987 May–Jun;15(3):225–9
Anterior cruciate ligament allograft transplantation. Long–term function, histology, revascularization, and operative technique. Nikolaou PK, et al. **Am J Sports Med** 1986 Sep–Oct;14(5):348–60
Hinged cast after knee ligament surgery. Sandberg S, et al. **Am J Sports Med** 1987 May–Jun;15(3):270–4
Effect of electrical stimulation on quadriceps strength after reconstructive surgery of the anterior cruciate ligament. Sisk TD, et al. **Am J Sports Med** 1987 May–Jun; 15(3):215–20
A prospective randomised comparison of healing in Gritti–Stokes and through–knee amputations [letter] **Ann R Coll Surg Engl** 1987 Jul;69(4):189
The use of sterile adhesive tape in the closure of arthroscopic puncture wounds: a comparison with a single layer nylon closure. Fairclough JA, et al. **Ann R Coll Surg Engl** 1987 May;69(3):140–1
Experimental cryo–irrigation of the knee joint. Chen SC, et al. **Ann Rheum Dis** 1986 Oct;45(10):865–72
Arthroscopic surgery performed under local anesthesia as an outpatient procedure. Besser MI, et al. **Arch Orthop Trauma Surg** 1986;105(5):296–7
Comparison between arthroscopic and open synovectomy for the knee in rheumatoid arthritis. Shibata T, et al. **Arch Orthop Trauma Surg** 1986;105(5):257–62
Comparison of arthroscopic and open techniques in carbon fibre reconstruction of the anterior cruciate ligament: long–term follow–up after 5 years. Bray RC, et al. **Arthroscopy** 1987;3(2):106–10
Arthroscopy in total knee replacements. Campbell ED Jr. **Arthroscopy** 1987;3(1):31–5
Intra–articular pressures during arthroscopic knee surgery. Ewing JW, et al. **Arthroscopy** 1986;2(4):264–9
Arthroscopic meniscectomy in the anterior cruciate ligament–deficient knee. Hanley ST, et al. **Arthroscopy** 1987;3(1):59–65
Synovectomy and continuous passive motion (CPM) in hemophiliac patients. Limbird TJ, et al. **Arthroscopy** 1987; 3(2):74–9
Arthroscopic evaluation of anterior cruciate ligament reconstructions. Meyers JF, et al. **Arthroscopy** 1986; 2(3):155–61
Arthroscopic surgery of the knee [editorial] Gallannaugh SC. **Br Med J [Clin Res]** 1986 Sep 20;293(6549):710–1
Role of total knee replacement in failed knee fusions. Cameron HU. **Can J Surg** 1987 Jan;30(1):25–7
Correction of valgus knee deformity with a supracondylar V osteotomy. Aglietti P, et al. **Clin Orthop** 1987 Apr; (217):214–20
Total knee arthroplasty in juvenile rheumatoid arthritis. A seven–year follow–up study. Carmichael E, et al. **Clin Orthop** 1986 Sep;(210):192–200
Use of a low–profile thigh holder to facilitate high tibial osteotomy for varus gonarthrosis. Ewing JW, et al. **Clin Orthop** 1987 Sep;(222):210–1
Prosthetic joint infections secondary to rapidly growing Mycobacterium fortuitum. Herold RC, et al. **Clin Orthop** 1987 Mar;(216):183–6
Unicompartmental arthroplasty of the knee. Postoperative alignment and its influence on overall results. Kennedy WR, et al. **Clin Orthop** 1987 Aug;(221):278–85
The Maquet procedure—anterior displacement of the tibial tubercle. Indications, contraindications, and precautions. Radin EL. **Clin Orthop** 1986 Dec;(213):241–8
Reconstruction of musculoskeletal defects about the knee for tumor. Sim FH, et al. **Clin Orthop** 1987 Aug;(221):188–201
Replacement of the anterior cruciate ligament with a bone–ligament–bone anterior cruciate ligament allograft in dogs. Vasseur PB, et al. **Clin Orthop** 1987 Jun;(219):268–77
Intraarticular methylprednisolone acetate in knee arthrotomy. Whittaker RP, et al. **Clin Orthop** 1986 Dec; (213):172–6
Reconstruction of the anterior cruciate ligament of the knee using a doubled tendon graft. Zaricznyj B. **Clin Orthop** 1987 Jul;(220):162–75
Knee arthrodesis. Rand JA. **Instr Course Lect** 1986;35:325–35
Hemijoint allografts in the treatment of low grade malignant and aggressive bone tumours about the knee. Alho A, et al. **Int Orthop** 1987;11(1):35–41
Repair of osteochondral defects in articular weightbearing areas in the rabbit's knee. The use of autologous osteochondral and meniscal grafts. Gomar–Sancho F, et al. **Int Orthop** 1987;11(1):65–9
Long–term results of Marmor arthroplasty in varus osteoarthritic knees. Kofoed H, et al. **Int Orthop** 1987; 11(1):1–4
The influence of anterior displacement of the tibial tuberosity on patellofemoral biomechanics. van Eijden TM, et al. **Int Orthop** 1987;11(3):215–21
Tibial osteotomy in the treatment of genu recurvatum in the adult. Vicenzi G, et al. **Ital J Orthop Traumatol** 1986 Dec; 12(4):427–32
Serum and bone concentrations of cefuroxime in patients undergoing knee arthroplasty. Leigh DA. **J Antimicrob Chemother** 1986 Nov;18(5):609–11
Prophylaxis of venous thromboembolic disease following hip and knee surgery [letter] Chitwood JW. **J Bone Joint Surg [Am]** 1986 Oct;68(8):1304–5
Proximal tibial varus osteotomy for osteoarthritis of the lateral compartment of the knee. Coventry MB. **J Bone Joint Surg [Am]** 1987 Jan;69(1):32–8
Intra–articular reconstruction of the anterior cruciate ligament with and without extra–articular supplementation by transfer of the biceps femoris tendon. Roth JH, et al. **J Bone Joint Surg [Am]** 1987 Feb;69(2):275–8
Prophylaxis of venous thromboembolic disease following hip and knee surgery [letter] Vatashsky E. **J Bone Joint Surg [Am]** 1986 Dec;68(9):1465
Arthroscopic partial meniscectomy in patients aged over 50. Boe S, et al. **J Bone Joint Surg [Br]** 1986 Nov;68(5):707
Anterior midline or medial parapatellar incision for arthroplasty of the knee. A comparative study. Johnson DP, et al. **J Bone Joint Surg [Br]** 1986 Nov;68(5):812–4
A comparison of various types of fixation devices for protection of the posterior cruciate ligament against a posterior drawer force. O'Meara CB, et al. **J Orthop Res** 1986;4(4):499–503
Congenital dislocation of the knee. Johnson E, et al. **J Pediatr Orthop** 1987 Mar–Apr;7(2):194–200
Stapling of the knee in juvenile chronic arthritis. Rydholm U, et al. **J Pediatr Orthop** 1987 Jan–Feb;7(1):63–8
Postoperative TENS pain relief after knee surgery: objective evaluation. Arvidsson I, et al. **Orthopedics** 1986 Oct; 9(10):1346–51
Arthroscopy—expertise, expedience and expectation. Driver–Jowitt JP. **S Afr Med J** 1986 Nov 22;70(11):652
Perichondral arthroplasty using fibrin glue and early mobilization. An experimental study. Widenfalk B, et al. **Scand J Plast Reconstr Surg** 1986;20(3):251–8
Anatomical bases of patellar tendon grafts used in anterior cruciate ligament reconstruction. Weinstabl R, et al. **Surg Radiol Anat** 1986;8(3):163–7
[Arthroscopic operations] Dong TX, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Oct;24(10):593–5, 638

(Eng. Abstr.) (Chi)
[Problems in the clinical application of genicular arthroscopy] Xu JS, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Sep; 24(9):542–3, 573–4 (Eng. Abstr.) (Chi)
[Thermography for indications and postoperative monitoring of synovectomy of the knee joint] Sprindrich J, et al. **Acta Chir Orthop Traumatol Cech** 1987 Feb;54(1):48–55 (Eng. Abstr.) (Cze)
[Rehabilitation after reconstructive surgery of the ligaments of the knee joint] Zeman M. **Rozhl Chir** 1986 Aug; 65(8–9):561–6 (Eng. Abstr.) (Cze)
[Arthroscopic removal of loose body] Carlsen A. **Ugeskr Laeger** 1987 Feb 2;149(6):372–3 (Eng. Abstr.) (Dan)
[Arthroscopic knee surgery. Short-term results after 66 operations] Carlsen AW, et al. **Ugeskr Laeger** 1986 Sep 15;148(38):2395–7 (Eng. Abstr.) (Dan)
[Knee synovectomy in patients with rheumatoid arthritis] Frøkiaer E, et al. **Ugeskr Laeger** 1986 Oct 13; 148(42):2681–3 (Eng. Abstr.) (Dan)
[Combination intra- and extra-articular surgery or isolated extra-articular surgery in the treatment of anterolateral rotatory instability of the knee] Leyvraz PF, et al. **Acta Orthop Belg** 1986 Sep–Oct;52(5):621–36 (Eng. Abstr.) (Fre)
[Principles and treatment technics of knee instability] Müller W. **Acta Orthop Belg** 1986 Jul–Aug;52(4):542–53 (Eng. Abstr.) (Fre)
[Treatment of anterior and internal instability of the knee by musculotendon transposition reinforced with carbon fibers. Apropos of 83 cases] Peyrou PL. **Chirurgie** 1987; 113(2):107–12 (Eng. Abstr.) (Fre)
[Treatment of chronic synovitis of the knee by synovectomy under arthroscopy (letter)] Combe B, et al. **Presse Med** 1986 Nov 8;15(39):1977 (Fre)
[Stabilization of the external condyle of the knee in chronic anterior laxity. Importance of the popliteal muscle] Bousquet G, et al. **Rev Chir Orthop** 1986;72(6):427–34 (Eng. Abstr.) (Fre)
[Physical therapy management after knee arthrotomies] Fritzsche G, et al. **Beitr Orthop Traumatol** 1986 Oct; 33(10):469–74 (Eng. Abstr.) (Ger)
[Alternatives to endoprostheses of the hip and knee joint] Cotta H, et al. **Chirurg** 1986 Nov;57(11):684–90 (Eng. Abstr.) (Ger)
[Pigmented villonodular synovitis] Holzmüller W, et al. **Chirurg** 1986 Aug;57(8):514–6 (Eng. Abstr.) (Ger)
[The knee joint] Hagena FW. **Orthopade** 1986 Aug; 15(4):335–43 (Eng. Abstr.) (Ger)
[Roentgen diagnosis following knee surgery] Vogel H, et al. **Radiologe** 1987 Feb;27(2):71–5 (Eng. Abstr.) (Ger)
[Results of surgical synovectomy in rheumatoid arthritis of the knee and elbow joint] Neumann HW, et al. **Z Arztl Fortbild (Jena)** 1987;81(9):447–9 (Ger)
[Long-term results of the tibial head pendulum osteotomy in varus and valgus gonarthrosis in the elderly] Milachowski KA, et al. **Z Gerontol** 1987 Mar–Apr; 20(2):103–6 (Eng. Abstr.) (Ger)
[Arthroscopy of the pediatric knee joint] Behfar AS, et al. **Z Orthop** 1986 Nov–Dec;124(6):751–4 (Eng. Abstr.) (Ger)
[Basic equipment for arthroscopic knee surgery] Kohn D, et al. **Z Orthop** 1987 Jan–Feb;125(1):63–7 (Eng. Abstr.) (Ger)
[Value of passive postoperative mobilization treatment following knee joint synovectomy in chronic polyarthritis] Refior HJ, et al. **Z Orthop** 1986 Sep–Oct;124(5):646–9 (Eng. Abstr.) (Ger)
[Synovectomy of the knee joint and postoperative exercise treatment in peridural anesthesia and analgesia] Schnittker FJ, et al. **Z Orthop** 1986 Nov–Dec;124(6):759–61 (Eng. Abstr.) (Ger)
[Unilateral knee joint endoprosthesis for treatment of varus or valgus gonarthrosis (indications—technic—late results)] Weller S, et al. **Z Orthop** 1986 Sep–Oct;124(5):655–61 (Eng. Abstr.) (Ger)
[Material characteristics of bone substance in the proximal area of the tibia with regard to alloplasty] Yücel M, et al. **Z Orthop** 1986 Nov–Dec;124(6):677–81 (Eng. Abstr.) (Ger)
[Continuous passive motion—a new concept in orthopedic surgery] Patish H, et al. **Harefuah** 1986 Jun 15; 110(12):598–600 (Eng. Abstr.) (Heb)
[Effect of low flow anesthesia on respiratory metabolism; continuous measurement of VO2, VCO2 and RQ in surgical patients] Isozaki K. **Masui** 1987 Mar;36(3):329–39 (Eng. Abstr.) (Jpn)
[Endocrine function following low flow anesthesia and surgery] Suzuki T. **Masui** 1987 Feb;36(2):188–96 (Eng. Abstr.) (Jpn)
[The problem of surgical treatment of perforated Baker's cysts] Grabski RS. **Chir Narzadow Ruchu Ortop Pol** 1986; 51(3):217–8 (Eng. Abstr.) (Pol)
[Experimental studies on the use of carbon filters in surgery of the locomotor system] Kuś WM. **Pol Tyg Lek** 1986 May 19;41(20):665–9 (Eng. Abstr.) (Pol)
[Place and value of Slocum's operation in treating chronic luxations of the knee] Floareş G, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan–Mar;90(1):51–3 (Eng. Abstr.) (Rum)
[Function of the locomotor system of patients before and after alloplasty of the knee joint ligaments] Miakotina LI, et al. **Ortop Travmatol Protez** 1987 Apr;(4):41–4 (Eng. Abstr.) (Rus)
[New approach to restoring the elements of the bursa–ligament apparatus in chronic knee joint instability] Remizov VB. **Ortop Travmatol Protez** 1987 Apr;(4):38–41 (Eng. Abstr.) (Rus)

TRANSPLANTATION

Histological characteristics of acute rejection in vascularized allografts of bone. Gotfried Y, et al. **J Bone Joint Surg [Am]** 1987 Mar;69(3):410–25
[Alloantibody to proteoglycan induced by osteochondral homotransplantation in rabbits] Watanabe S. **Nippon Seikeigeka Gakkai Zasshi** 1987 Feb;61(2):233–43 (Eng. Abstr.) (Jpn)

KNEE PROSTHESIS

Tissue reaction around loosened prostheses: a histological, X-ray microanalytic and immunological study. Hayashi T, et al. **Acta Med Okayama** 1986 Oct;40(5):229–41
Failure of the tibial component in a unicompartmental knee replacement. Cameron HU. **Acta Orthop Belg** 1986 Sep–Oct;52(5):607–11
Revision of infected knee arthroplasty. Bengtson S, et al. **Acta Orthop Scand** 1986 Dec;57(6):489–94
Arthroplasty in tuberculosis of the knee. Two cases of missed diagnosis. Wray CC, et al. **Acta Orthop Scand** 1987 Jun; 58(3):296–8
Antibiotic-containing acrylic beads: radiographic appearances. Daffner RH, et al. **AJR** 1987 Jul;149(1):123–4
Xeroradiography in the evaluation of below-knee prosthetic devices [letter] Vinnecour KE. **AJR** 1987 Aug;149(2):440
Long-term follow-up of prosthetic joint replacement in hemophilia. Rana NA, et al. **Am J Hematol** 1986 Dec; 23(4):329–37
Comparison of continuous epidural infusion of a local anesthetic and administration of systemic narcotics in the management of pain after total knee replacement surgery. Raj PP, et al. **Anesth Analg** 1987 May;66(5):401–6
Long-term follow-up of patients with geomedic prostheses. Ivarsson I, et al. **Arch Orthop Trauma Surg** 1986; 105(6):353–8
The effect of the radiographic projection on the measured position of the prosthesis at knee arthroplasty. Ivarsson I, et al. **Arch Orthop Trauma Surg** 1986;105(6):350–2
Micromotion of conventionally cemented all-polyethylene tibial components in total knee replacements. A roentgen stereophotogrammetric analysis of migration and inducible displacement. Ryd L, et al. **Arch Orthop Trauma Surg** 1987; 106(2):82–8
Lateral patellar release and bone grafting of the tibial plateau in total condylar knee arthroplasties. A technical note. Tauber C, et al. **Arch Orthop Trauma Surg** 1987; 106(4):257–9
Contralateral and ipsilateral cane usage by patients with total knee or hip replacement. Edwards BG. **Arch Phys Med Rehabil** 1986 Oct;67(10):734–40
Successful joint arthroplasty following Proteus morganii (Morganella morganii) septic arthritis: a four-year study. Katz LM, et al. **Arthritis Rheum** 1987 May;30(5):583–5
Medical management of pneumococcal arthritis involving a knee prosthesis. Sublett KL, et al. **Arthritis Rheum** 1987 Aug;30(8):940–2
Comparison of arthroscopic and open techniques in carbon fibre reconstruction of the anterior cruciate ligament: long-term follow-up after 5 years. Bray RC, et al. **Arthroscopy** 1987;3(2):106–10
Arthroscopy in total knee replacements. Campbell ED Jr. **Arthroscopy** 1987;3(1):31–5
Joint replacement in the elderly. Sculco TP, et al. **Bull NY Acad Med** 1987 Mar;63(2):199–208
Role of total knee replacement in failed knee fusions. Cameron HU. **Can J Surg** 1987 Jan;30(1):25–7
Knee disassembly [letter] Siller TN. **Can J Surg** 1987 Jul; 30(4):228–9
Total knee arthroplasty in juvenile rheumatoid arthritis. A seven-year follow-up study. Carmichael E, et al. **Clin Orthop** 1986 Sep;(210):192–200
Long-term results after total condylar knee arthroplasty. Significance of radiolucent lines. Ecker ML, et al. **Clin Orthop** 1987 Mar;(216):151–8
Prosthetic joint infections secondary to rapidly growing Mycobacterium fortuitum. Herold RC, et al. **Clin Orthop** 1987 Mar;(216):183–6
Torulopsis glabrata osteomyelitis. A case report. Imahori SC, et al. **Clin Orthop** 1987 Jun;(219):214–20
Total joint arthroplasty for steroid-induced osteonecrosis in cardiac transplant patients. Isono SS, et al. **Clin Orthop** 1987 Apr;(217):201–8
Hinged knee replacement in revision arthroplasty. Karpinski MR, et al. **Clin Orthop** 1987 Jul;(220):185–91
Unicompartmental arthroplasty of the knee. Postoperative alignment and its influence on overall results. Kennedy WR, et al. **Clin Orthop** 1987 Aug;(221):278–85
Salvage of failed hinge knee arthroplasty with a Total Condylar III type prosthesis. Kim YH. **Clin Orthop** 1987 Aug;(221):272–7
Unicompartmental knee arthroplasty following patellectomy. Marmor L. **Clin Orthop** 1987 May;(218):164–6
Revision knee arthroplasty in rheumatoid arthritis. Rööser B, et al. **Clin Orthop** 1987 Jun;(219):169–73
Tibial component fixation in knee arthroplasty. Ryd L, et al. **Clin Orthop** 1986 Dec;(213):141–9
Fatigue failure of the femoral component of a unicompartmental knee. Sandborn PM, et al. **Clin Orthop** 1987 Sep;(222):249–54
Improved range of motion with the Y/S total knee arthroplasty system. Shoji H, et al. **Clin Orthop** 1987 May; (218):150–63
Complications associated with warfarin prophylaxis in total knee arthroplasty. Sutherland CJ, et al. **Clin Orthop** 1987 Jun;(219):158–62
Total knee arthroplasty in Charcot and Charcot-like joints [letter] Tountas AA. **Clin Orthop** 1987 Sep;(222):308–9
Varus-valgus and rotational stability in rotationally unconstrained total knee arthroplasty. Whiteside LA, et al. **Clin Orthop** 1987 Jun;(219):147–57
General considerations in total knee arthroplasty. Heck DA, et al. **Instr Course Lect** 1986;35:265–71
Revision of total knee replacement. Insall JN. **Instr Course Lect** 1986;35:290–6
Infection of total knee arthroplasty. Insall JN. **Instr Course Lect** 1986;35:319–24
Revision total knee arthroplasty: indications and contraindications. Kaufer H, et al. **Instr Course Lect** 1986; 35:297–304
Resection arthroplasty: an alternative to arthrodesis for salvage of the infected total knee arthroplasty. Kaufer H, et al. **Instr Course Lect** 1986;35:283–9
Total knee arthroplasty: technical planning and surgical aspects. Krackow KA. **Instr Course Lect** 1986;35:272–82
Revision total knee arthroplasty. Rand JA, et al. **Instr Course Lect** 1986;35:305–18
Long-term results of Marmor arthroplasty in varus osteoarthritic knees. Kofoed H, et al. **Int Orthop** 1987; 11(1):1–4
Total condylar knee prosthesis with posterior stability. A mid-term follow-up of 74 cases with severe deformity. Aglietti P, et al. **Ital J Orthop Traumatol** 1986 Sep; 12(3):275–88
Knee biomechanics and total knee replacement. Andriacchi TP, et al. **J Arthroplasty** 1986;1(3):211–9
Infected total knee arthroplasty. A protocol for management. Borden LS, et al. **J Arthroplasty** 1987;2(1):27–36
Total knee arthroplasty in Paget's disease of the knee. Broberg MA, et al. **J Arthroplasty** 1986;1(2):139–42
Unicondylar knee arthroplasty. 2–10 years of follow-up evaluation. Cartier P, et al. **J Arthroplasty** 1987;2(2):157–62
A clinical and radiographic analysis of loosening of total knee arthroplasty components using a bilateral model. Cornell CN, et al. **J Arthroplasty** 1986;1(3):157–63
Unicompartmental Oxford Meniscal knee arthroplasty. Goodfellow JW, et al. **J Arthroplasty** 1987;2(1):1–9
Bilateral hip and knee arthroplasty. Grauer JD, et al. **J Arthroplasty** 1986;1(4):283–91
Reflex sympathetic dystrophy as a cause of poor results after total knee arthroplasty. Katz MM, et al. **J Arthroplasty** 1986;1(2):117–24
RMC total knee replacement. A review of 166 cases. Laskin RS. **J Arthroplasty** 1986;1(1):11–9
The effect of total knee design on patellar strain. McLain RF, et al. **J Arthroplasty** 1986;1(2):91–8
A previously unreported cause of pain after total knee arthroplasty. Pettine KA, et al. **J Arthroplasty** 1986; 1(1):29–33
Screw and cement fixation of large defects in total knee arthroplasty. Ritter MA. **J Arthroplasty** 1986;1(2):125–9
Effects of total knee replacement design on femoral-tibial contact conditions. Soudry M, et al. **J Arthroplasty** 1986; 1(1):35–45
Factors influencing walking and stairclimbing following unicompartmental knee arthroplasty. Weinstein JN, et al. **J Arthroplasty** 1986;1(2):109–15
Epiphyseal-based designs for tibial plateau components—II. Stress analysis in the sagittal plane. Beaupré GS, et al. **J Biomech** 1986;19(8):663–73
The effect of the interface on the bone stresses beneath tibial components. Garg A, et al. **J Biomech** 1986;19(12):957–67
Epiphyseal-based designs for tibial plateau components—I. Stress analysis in the frontal plane. Vasu R, et al. **J Biomech** 1986;19(8):647–62
Loosening of the porous coating of bicompartmental prostheses in patients with rheumatoid arthritis [letter] **J Bone Joint Surg [Am]** 1987 Jan;69(1):153–4
Results of total knee arthroplasty after failed proximal tibial osteotomy for osteoarthritis. Katz MM, et al. **J Bone Joint Surg [Am]** 1987 Feb;69(2):225–33
Kinematic rotating-hinge total knee arthroplasty. Rand JA, et al. **J Bone Joint Surg [Am]** 1987 Apr;69(4):489–97
Failed total knee arthroplasty treated by arthrodesis of the knee using the Ace-Fischer apparatus. Rand JA, et al. **J Bone Joint Surg [Am]** 1987 Jan;69(1):39–45
Condylar total knee arthroplasty after failed proximal tibial osteotomy. Staeheli JW, et al. **J Bone Joint Surg [Am]** 1987 Jan;69(1):28–31
A radiographic study of bearing movement in unicompartmental Oxford knee replacements. Bradley J, et al. **J Bone Joint Surg [Br]** 1987 Aug;69(4):598–601
Anterior midline or medial parapatellar incision for arthroplasty of the knee. A comparative study. Johnson DP, et al. **J Bone Joint Surg [Br]** 1986 Nov;68(5):812–4
Survival of knee arthroplasties. A nation-wide multicentre investigation of 8000 cases. Knutson K, et al.

J Bone Joint Surg [Br] 1986 Nov;68(5):795–803
St Georg modular knee prosthesis. A two-and-a-half to six-year follow-up. Olsen NJ, et al.
J Bone Joint Surg [Br] 1986 Nov;68(5):787–90
Arterial complications of total knee replacement. The Australian experience. Rush JH, et al.
J Bone Joint Surg [Br] 1987 May;69(3):400–2
Changes in local bone density after knee arthroplasty. The use of quantitative computed tomography. Seitz P, et al.
J Bone Joint Surg [Br] 1987 May;69(3):407–11
Effect of knee replacement on flexion deformity. Tew M, et al. **J Bone Joint Surg [Br]** 1987 May;69(3):395–9
Epithelioid sarcoma in association with total knee replacement. A case report. Weber PC.
J Bone Joint Surg [Br] 1986 Nov;68(5):824–6
Apparent improvement in the outcome of hip or knee-joint replacement operations over the period of a prospective study. Lidwell OM. **J Hyg (Lond)** 1986 Dec;97(3):501–2
A compliant interface for total knee arthroplasty. Miegel RE, et al. **J Orthop Res** 1986;4(4):486–93
Revision arthroplasty of the knee: two problem knees. Haines JF, et al. **J R Coll Surg Edinb** 1986 Aug;31(4):255–7
Autologous blood transfusion in elective orthopaedic surgery. James SE, et al. **J R Soc Med** 1987 May; 80(5):284–5
Three cases of prosthetic knee synovitis in rheumatoid arthritis [letter] Sanders ME, et al. **J Rheumatol** 1987 Jun; 14(3):639–40
Is there a role for the hinged-knee prosthesis? [editorial] **Lancet** 1986 Nov 22;2(8517):1196–7
Motor system monitoring during joint replacement operations. Schoenfeldt R, et al. **Neurosurgery** 1987 Jan; 20(1):197–8
Correlations between objective measures of function and a clinical knee rating scale following total knee replacement. Gore DR, et al. **Orthopedics** 1986 Oct;9(10):1363–7
Prosthetic management and functional evaluation of patients with resection of the distal femur and rotationplasty. Knahr K, et al. **Orthopedics** 1987 Sep;10(9):1241–8
Urinary tract sequelae: possible influence on joint infections following total joint replacement. Ritter MA, et al. **Orthopedics** 1987 Mar;10(3):467–9
Failure analysis of PCA revision total knee replacement tibial component. A preliminary study using the finite element method. Skinner HB, et al. **Orthopedics** 1987 Apr; 10(4):581–4
Comparison of ceforanide and cephalothin prophylaxis in patients undergoing total joint arthroplasty. Soave R, et al. **Orthopedics** 1986 Dec;9(12):1657–60
Comparison of two continuous passive motion protocols for patients with total knee implants [published erratum appears in Phys Ther 1987 Jun;67(6):979] Basso DM, et al. **Phys Ther** 1987 Mar;67(3):360–3
Continuous passive motion in the postoperative treatment of patients with total knee replacement. A retrospective study. Gose JC. **Phys Ther** 1987 Jan;67(1):39–42
Correlation between clinical examination and quantitative gait analysis in patients operated upon with the Gunston-Hult knee prosthesis. Olsson E, et al. **Scand J Rehabil Med** 1986;18(3):101–6
[Total condylar knee arthroplasty. Status 4 to 6 years later in 241 cases] Kjaersgaard-Andersen P, et al. **Ugeskr Laeger** 1987 Apr 20;149(17):1130–3 (Eng. Abstr.) **(Dan)**
[Marmor's unicompartmental prosthesis. Study of 46 cases with a 5-to-10-year follow-up] Vives P, et al. **Acta Orthop Belg** 1986 Sep-Oct;52(5):612–20 (Eng. Abstr.) **(Fre)**
[Femoral fractures in subjects with total prostheses of the hip or knee] Courpied JP, et al. **Int Orthop** 1987; 11(2):109–15 (Eng. Abstr.) **(Fre)**
[Knee prostheses. Reflections based on a series of 65 cases] Dagher F. **J Med Liban** 1987;37(1):9–15 (Eng. Abstr.) **(Fre)**
[Movable prostheses of the knee: critical short-term analysis of the first 21 cases at the Orthopedic Hospital] Leyvraz PF, et al. **Rev Med Suisse Romande** 1986 Aug;106(8):737–47 **(Fre)**
[Experiences with bone cement containing Nebacetin] Blencke BA. **Aktuel Probl Chir Orthop** 1987;31:262–4 **(Ger)**
[1-year clinical results with Implast bone cement—randomized comparative study with a proven bone cement] Eyb R, et al. **Aktuel Probl Chir Orthop** 1987; 31:425–7 **(Ger)**
[Processing technics and their effects—manual processing of bone cements: mixing technics, error-free use, dangers of erroneous handling] Henssge EJ. **Aktuel Probl Chir Orthop** 1987;31:137–40 **(Ger)**
[Clinical aspects of antibiotic administration in bone cements] Lindberg L. **Aktuel Probl Chir Orthop** 1987;31:234–5 **(Ger)**
[Tissue damage caused by PMMA bone cement] Lintner F, et al. **Aktuel Probl Chir Orthop** 1987;31:172–6 **(Ger)**
[Penetration behavior of bone cement into the spongiosa of the marrow cavity in implantation of a prosthesis shaft in the tibia] Rauch G, et al. **Aktuel Probl Chir Orthop** 1987; 31:129–32 **(Ger)**
[Results of 1979–1982 follow-up of Nebacetin-Sulfix 6 implanted hip and knee prostheses] Seiwert W. **Aktuel Probl Chir Orthop** 1987;31:267–70 **(Ger)**
[Alternatives to endoprostheses of the hip and knee joint] Cotta H, et al. **Chirurg** 1986 Nov;57(11):684–90 (Eng. Abstr.) **(Ger)**
[Cement-free joint replacement in the aged] Zweymüller K. **Fortschr Med** 1986 Sep 4;104(33):617–20 (Eng. Abstr.) **(Ger)**
[Cementless fixation in endoprosthetics] Freeman MA, et al. **Orthopade** 1987 Jun;16(3):206–19 (Eng. Abstr.) **(Ger)**
[Surface structures and bone ingrowth in cement-free fixed prostheses] Galante J, et al. **Orthopade** 1987 Jun; 16(3):197–205 (Eng. Abstr.) **(Ger)**
[Roentgen diagnosis following knee surgery] Vogel H, et al. **Radiologe** 1987 Feb;27(2):71–5 (Eng. Abstr.) **(Ger)**
[Neurologic complications in implantation of knee endoprostheses. A clinical and EMG-documented study] Engelhardt P, et al. **Z Orthop** 1987 Mar-Apr;125(2):190–3 (Eng. Abstr.) **(Ger)**
[Unilateral knee joint endoprosthesis for treatment of varus or valgus gonarthrosis (indications—technic—late results] Weller S, et al. **Z Orthop** 1986 Sep-Oct;124(5):655–61 (Eng. Abstr.) **(Ger)**
[Material characteristics of bone substance in the proximal area of the tibia with regard to alloplasty] Yücel M, et al. **Z Orthop** 1986 Nov-Dec;124(6):677–81 (Eng. Abstr.) **(Ger)**
[Total arthroplasty of the knee: study based on 180 cases] Cordeiro EN, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Jul-Aug;41(4):161–6 (Eng. Abstr.) **(Por)**
[Experience in using endoprosthesis of the knee joint in bone tumors] Trapeznikov NN, et al. **Ortop Travmatol Protez** 1986 Aug;(8):6–12 (Eng. Abstr.) **(Rus)**
[Total prosthesis of the knee] Poal-Manresa J. **Med Clin (Barc)** 1986 Nov 1;87(14):587–9 **(Spa)**

ADVERSE EFFECTS

Fatal fat embolism during cemented total knee arthroplasty: a case report. Orsini EC, et al. **Can J Surg** 1986 Sep; 29(5):385–6
Fat embolism and total knee arthroplasty [letter] Vince KG. **Can J Surg** 1987 Jul;30(4):227
Supracondylar fracture of the femur after total knee arthroplasty. Aaron RK, et al. **Clin Orthop** 1987 Jun; (219):136–9
Supracondylar fracture of the femur following prosthetic knee arthroplasty. Culp RW, et al. **Clin Orthop** 1987 Sep; (222):212–22
Arteriovenous fistula with false aneurysm of the inferior medial geniculate artery. A complication of total knee arthroplasty. Dennis DA, et al. **Clin Orthop** 1987 Sep; (222):255–60
Granulomatous reaction and cystic bony destruction associated with high wear rate in a total knee prosthesis [letter] Groth HE. **Clin Orthop** 1987 Mar;(216):309
Postoperative patellar complications with or without lateral release during total knee arthroplasty. Ritter MA, et al. **Clin Orthop** 1987 Jun;(219):163–8
Extensor mechanism complications following total knee arthroplasty. Lynch AF, et al. **J Arthroplasty** 1987; 2(2):135–40
Vascular complications of total knee arthroplasty. Report of three cases. Rand JA. **J Arthroplasty** 1987;2(2):89–93
Complications and mortality associated with bilateral or unilateral total knee arthroplasty. Morrey BF, et al. **J Bone Joint Surg [Am]** 1987 Apr;69(4):484–8
Cardiopulmonary function and pulmonary microemboli during arthroplasty using cemented or non-cemented components. The role of intramedullary pressure. Orsini EC, et al. **J Bone Joint Surg [Am]** 1987 Jul;69(6):822–32
Radiophosphate visualization of the foreign body reaction to wear debris from total knee prosthesis. Rosenthall L. **J Nucl Med** 1987 May;28(5):915–7
Fracture of polyethylene tibial component in a total knee replacement. A case report. Mowery C, et al. **Orthopedics** 1987 Feb;10(2):309–13

ECONOMICS

Staged versus simultaneous bilateral total knee replacement. Brotherton SL, et al. **J Arthroplasty** 1986;1(4):221–8

HISTORY

Early bent knee prostheses: ancestors of K9. Webling DD, et al. **Br Med J [Clin Res]** 1986 Dec 20-27;293(6562):1636–7
British contribution to knee arthroplasty. Freeman MA, et al. **Clin Orthop** 1986 Sep;(210):69–79

REHABILITATION

Working capacity following total knee replacement. Petersen V, et al. **Acta Orthop Belg** 1987;53(1):67–9
Effect of range of motion on the success of a total knee arthroplasty. Ritter MA, et al. **J Arthroplasty** 1987; 2(2):95–7
Bilateral hip and knee replacement in rheumatoid arthritis. Suman RK, et al. **J Arthroplasty** 1986;1(4):237–40

KNOWLEDGE ACQUISITION (COMPUTER) see **ARTIFICIAL INTELLIGENCE**

KNOWLEDGE, ATTITUDES, PRACTICE see under **FAMILY PLANNING**

KNOWLEDGE BASES (COMPUTER) see **ARTIFICIAL INTELLIGENCE**

KNOWLEDGE OF RESULTS (PSYCHOLOGY)

Is an accurate verbal language necessary for heart rate discrimination? Grigg L, et al. **Biol Psychol** 1986 Jun; 22(3):269–77
Experimenters' expectation and subjects' knowledge of hypotheses in simple reaction time to lateralized visual stimuli. Bruyer R, et al. **J Clin Exp Neuropsychol** 1987 Apr; 9(2):162–6
Monte Carlo sampling for generalized knowledge dependence with application to human reliability. Cooke RM, et al. **Risk Anal** 1986 Sep;6(3):335–43

KNOWLEDGE REPRESENTATION (COMPUTER) see **ARTIFICIAL INTELLIGENCE**

KO 1173 see **MEXILETINE**

KOEHLER'S DISEASE see **OSTEOCHONDRITIS**

KORSAKOFF PSYCHOSIS see **ALCOHOL AMNESTIC DISORDER**

KORSAKOFF SYNDROME see **ALCOHOL AMNESTIC DISORDER**

KRABBE'S DISEASE see **LEUKODYSTROPHY, GLOBOID CELL**

KRAUROSIS PENIS see **BALANITIS**

KRAUROSIS VULVAE

DRUG THERAPY

[Clinical observations and experimental study of vulval dystrophy treated with traditional Chinese medicine] Wang YF. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Dec;6(12):723–5, 708 (Eng. Abstr.) **(Chi)**
[Testosterone propionate ointment—a therapeutic trial in lichen sclerosus et atrophicus] Skierlo P, et al. **Hautarzt** 1987 May;38(5):295–7 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

[Lichen sclerosus et atrophicus in a married couple] Zapolski-Downar A, et al. **Dermatol Monatsschr** 1987; 173(3):141–5 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Histologic criteria for lichen sclerosus of the vulva. Hewitt J. **J Reprod Med** 1986 Sep;31(9):781–7
[Lichen sclerosus] Pelisse M. **Ann Dermatol Venereol** 1987; 114(3):411–9 **(Fre)**

KRAUSE'S END BULBS see **THERMORECEPTORS**

KREBS CYCLE see **CITRIC ACID CYCLE**

KRUKENBERG'S TUMOR

Krukenberg tumour associated with pregnancy. Choudhary S. **J Indian Med Assoc** 1986 Feb;84(2):56–7

DIAGNOSIS

Signet-ring cell carcinoma of the urinary bladder primary presentation as a Krukenberg tumor. Bowlby LS, et al. **Gynecol Oncol** 1986 Nov;25(3):376–81

PATHOLOGY

Mucinous adenocarcinoma of the appendix presenting as an ovarian cystadenocarcinoma: case report and review of appendiceal neoplasms with ovarian metastases. Skaane P, et al. **Eur J Surg Oncol** 1986 Dec;12(4):379–84
Krukenberg tumors of the ovary: a clinicopathologic analysis of 112 cases. Yakushiji M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Mar; 39(3):479–85

KRYPTON

ADVERSE EFFECTS

[Hygienic evaluation of global Kr-85] Vasilenko IIa. **Gig Sanit** 1986 Nov;(11):47–50 (16 ref.) **(Rus)**

DIAGNOSTIC USE

Measurement of right ventricular ejection fraction with krypton-81m in chronic obstructive pulmonary disease. Wolf JE, et al. **Bull Eur Physiopathol Respir** 1986 Nov-Dec;22(6):539–44
Distributions of an ultra-fine 99Tcm aerosol and 81Krm gas in human lungs compared using a gamma camera. Arnot RN, et al. **Clin Phys Physiol Meas** 1986 Nov;7(4):345–59
Right ventricular ejection fraction from equilibrium krypton-81m blood pool scans: a noninvasive predictor of pulmonary arterial hypertension. Nienaber CA, et al. **Eur Heart J** 1987 Mar;8(3):297–307

Automated determination of the right ventricular ejection fraction by digital processing of 81mKr scintigrams. Elfner R, et al. **Eur J Nucl Med** 1986;12(5–6):231–5

The use of a computer in ventilation–perfusion scintigraphy with Tc–99m macroaggregates and Kr–81m, to obtain a physiological model. Teertstra HJ, et al. **Eur J Nucl Med** 1987;13(1):24–7

Dynamic isotopic phlebography using soluble krypton–81m. Zicot M, et al. **Eur J Nucl Med** 1986;12(4):192–6

Regional cerebral blood flow and focal cortical perfusion: a comparative study of 133Xe, 85Kr, and umbelliferone as diffusible indicators. Anderson RE, et al. **J Cereb Blood Flow Metab** 1987 Apr;7(2):207–13

[Assessment of right atrial (RA) and ventricular (RV) function by Kr–81m gated blood pool scan—RA and RV pressure–volume loops with simultaneous pressure data] Ishiguro M, et al. **Kaku Igaku** 1986 Oct;23(10):1459–63 (Eng. Abstr.) **(Jpn)**

[Monitoring of RV function by the nuclear cardiac single probe and Kr–81m—first pass transient study] Uno T, et al. **Kaku Igaku** 1987 Mar;24(3):303–7 (Eng. Abstr.) **(Jpn)**

[Preoperative prediction of postoperative lung function using 81mKr ventilation lung scintigram] Kaneda M, et al. **Kokyu To Junkan** 1987 Jan;35(1):47–50 **(Jpn)**

[Analysis of regional ventilation using radionuclear method] Shimada T, et al. **Kokyu To Junkan** 1987 Jan;35(1):39–45 **(Jpn)**

[Local cerebral blood flow mapping by SPECT of N–isopropyl–p–[123I] iodoamphetamine in comparison with an 81mKr image] Takeuchi S, et al. **Neurol Med Chir (Tokyo)** 1986 May;26(5):369–78 (Eng. Abstr.) **(Jpn)**

KRYPTOSTEROL see **LANOSTEROL**

KUFS DISEASE see **NEURONAL CEROID–LIPOFUSCINOSIS**

KUNITZ PANCREATIC TRYPSIN INHIBITOR see **KALLIKREIN–TRYPSIN INACTIVATOR**

KUPFFER CELLS

Comparative chemiluminescence response of Kupffer cells, blood monocytes & peritoneal macrophages of guinea pigs. Virk KJ, et al. **Indian J Med Res** 1987 Apr;85:422–5

ANALYSIS

Kupffer cells in hepatocellular adenomas. Goodman ZD, et al. **Am J Surg Pathol** 1987 Mar;11(3):191–6

CYTOLOGY

Injurious effects of ethanol on rat Kupffer cells. Kitadai M, et al. **Acta Med Okayama** 1986 Dec;40(6):291–9

Kupffer cells in liver injury and regeneration. Mayanski DN, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1985; 28(3–5):193–202 (89 ref.)

DRUG EFFECTS

Induction of tumoricidal activity in isolated rat liver macrophages by liposomes containing recombinant rat gamma–interferon supplemented with lipopolysaccharide or muramyldipeptide. Stukart MJ, et al. **Cancer Res** 1987 Jul 15;47(14):3880–5

Differential inhibition of prostaglandin and superoxide production by dexamethasone in primary cultures of rat Kupffer cells. Dieter P, et al. **Eur J Biochem** 1986 Sep 15;159(3):451–7

The Kupffer cell is the first target in ricin–induced hepatitis. Bingen A, et al. **J Submicrosc Cytol** 1987 Apr;19(2):247–56

Influences of an infusion of lipid emulsion on phagocytotic activity of cultured Kupffer's cells in septic rats. Nishiwaki H, et al. **JPEN J Parenter Enteral Nutr** 1986 Nov–Dec; 10(6):614–6

ENZYMOLOGY

A comparative study of drug–metabolizing enzymes present in isolated rat liver parenchymal, Kupffer and endothelial cells. Oesch F, et al. **Biochem Soc Trans** 1987 Jun; 15(3):372–3

Modulation of lysosomal protease–esterase and lysozyme in Kupffer cells and peritoneal macrophages infected with Nocardia asteroides. Black CM, et al. **Infect Immun** 1986 Dec;54(3):917–9

IMMUNOLOGY

Phagocytosis of platelets by Kupffer cells in immune thrombocytopenia. Neiman JC, et al. **Arch Pathol Lab Med** 1987 Jun;111(6):563–5

Kupffer cell modulation of the systemic immune response. Marshall JC, et al. **Arch Surg** 1987 Feb;122(2):191–6

Kupffer cells modulate natural killer cell activity in vitro by producing prostaglandins. Okumura Y, et al. **Cell Immunol** 1987 Jun;107(1):89–98

Kupffer cell complement receptor clearance function and host defense. Loegering DJ. **Circ Shock** 1986;20(4):321–33 (49 ref.)

Interaction of immunoglobulin–coupled liposomes with rat liver macrophages in vitro. Derksen JT, et al. **Exp Cell Res** 1987 Jan;168(1):105–15

Increased susceptibility of mice to MHV 3 infection induced by hypercholesterolemic diet: impairment of Kupffer cell function. Pereira CA, et al. **Immunobiology** 1987 May; 174(3):253–65

In vitro tumoricidal activity of resting and glucan–activated Kupffer cells. Sherwood ER, et al. **J Leukocyte Biol** 1987 Jul;42(1):69–75

[Ia expression on Kupffer cells after orthoptic rat liver transplantation and cyclosporin A application: an additional help for the diagnosis of rejection reactions?] Engemann R, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986; 19(4):220–4 **(Ger)**

[Studies on an experimentally induced acute hepatic failure in mice: difference between the hepatotoxic factor and tumor necrosis factor] Tsutsui H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul;83(7):1324–9 (Eng. Abstr.) **(Jpn)**

METABOLISM

Experimental amyloidosis. Role of the hepatocytes and Kupffer cells in amyloid formation. Uchino F, et al. **Appl Pathol** 1985;3(1–2):78–87

Rat liver endothelial cells have a greater capacity than Kupffer cells to endocytose N–acetylglucosamine– and mannose–terminated glycoproteins. Praaning–van Dalen DP, et al. **Hepatology** 1987 Jul–Aug;7(4):672–9

Production of biologically active fragments of parathyroid hormone by isolated Kupffer cells. Pillai S, et al. **J Biol Chem** 1986 Nov 15;261(32):14919–23

Accumulation and metabolism of iron–dextran by hepatocytes, Kupffer cells and endothelial cells in the neonatal pig liver. Caperna TJ, et al. **J Nutr** 1987 Feb; 117(2):312–20

MICROBIOLOGY

Transport of infectious reovirus into bile: class II major histocompatibility antigen–bearing cells determine reovirus transport. Rubin DH, et al. **J Virol** 1987 Oct;61(10):3222–6

PATHOLOGY

Accumulation of technetium–99m sulfur colloid by hepatocellular adenoma: scintigraphic–pathologic correlation. Lubbers PR, et al. **AJR** 1987 Jun;148(6):1105–8

Hepatitis A: a Kupffer cell disease? [letter] Sciot R, et al. **J Clin Pathol** 1986 Oct;39(10):1160–1

Kupffer cells from CCl4–induced fibrotic livers stimulate proliferation of fat–storing cells. Shiratori Y, et al. **J Hepatol** 1986;3(3):294–303

[Morphology and function of Ito cells of the liver] Körner T, et al. **Z Gesamte Inn Med** 1987 Jul 1;42(13):349–54 (50 ref.) (Eng. Abstr.) **(Ger)**

[Stellate reticuloendotheliocytes in cirrhosis of the liver] Aruin LI, et al. **Arkh Patol** 1987;49(3):31–7 (Eng. Abstr.) **(Rus)**

[Ultrastructure and number of Kupffer cells in the mouse liver during acute CCl4 poisoning] Shkurupii VA, et al. **Tsitologiia** 1987 May;29(5):537–42 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The effect of Kupffer cell stimulation or depression on the development of liver metastases in the rat. Pearson HJ, et al. **Cancer Immunol Immunother** 1986;23(3):214–6

Kupffer cell stimulation of alpha 2–macroglobulin synthesis in rat hepatocytes and the role of glucocorticoid. Kurokawa S, et al. **Cell Struct Funct** 1987 Feb;12(1):35–42

Phagocytosis, an unrecognized property of murine endothelial liver cells. Steffan AM, et al. **Hepatology** 1986 Sep–Oct;6(5):830–6

Effect of Kupffer cell phagocytosis of erythrocytes and erythrocyte ghosts on susceptibility to endotoxemia and bacteremia. Loegering DJ, et al. **Infect Immun** 1987 Sep; 55(9):2074–80

Further progress towards understanding hepatic sinusoidal cells. Summerfield JA, et al. **J Hepatol** 1986;3(3):413–8

Kupffer cells and their function. Wardle EN. **Liver** 1987 Apr; 7(2):63–75 (146 ref.)

Biological significance and prognostic role of opsonic activity for Kupffer cell phagocytosis in experimental liver injuries and partially hepatectomized patients. Arii S. **Nippon Geka Hokan** 1986 Sep 1;55(5):653–61

Development of a bioassay of opsonic activity for Kupffer cell and humoral factors stimulating phagocytosis. Arii S. **Nippon Geka Hokan** 1986 Sep 1;55(5):643–52

Effect of the activation of macrophages on the course of regeneration of rat liver following partial hepatectomy. Simek J, et al. **Physiol Bohemoslov** 1986;35(5):473–80

Evidence for a migratory capability of rat Kupffer cells to portal tracts and hepatic lymph nodes. Hardonk MJ, et al. **Virchows Arch [B]** 1986;51(5):429–42

RADIONUCLIDE IMAGING

[Radioisotope study of the reticuloendothelial cell function of the liver in chronic bronchitis] Fesenko IP, et al. **Vrach Delo** 1986 Oct;(10):34–7 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

The Kupffer cell in experimental extrahepatic cholestasis in the rat—a light microscopy, immunohistochemical and electron microscopy study. Collier DS, et al. **J Pathol** 1986 Nov;150(3):187–94

[Ultrastructure of the sinusoidal endothelial and Kupffer cells during multiple stress exposure: morphometric research] Shkurupii VA. **Tsitol Genet** 1986 Sep–Oct;20(5):335–41 (Eng. Abstr.) **(Rus)**

KURU

ETIOLOGY

Kuru, AIDS and aberrant social behaviour. Seale JR. **J R Soc Med** 1987 Apr;80(4):200–2

MICROBIOLOGY

Prion–protein immunoreactivity in human transmissible dementias [letter] Roberts GW, et al. **N Engl J Med** 1986 Nov 6;315(19):1231–3

KVEIM TEST see under **SKIN TESTS**

KWASHIORKOR

BLOOD

The effect of nutritional support on T–lymphocyte subpopulations in protein calorie malnutrition. Abbott WC, et al. **J Am Coll Nutr** 1986;5(6):577–84

Serum insulin–like growth factors I and II concentrations and growth hormone and insulin responses to arginine infusion in children with protein–energy malnutrition before and after nutritional rehabilitation. Soliman AT, et al. **Pediatr Res** 1986 Nov;20(11):1122–30

Aflatoxins and kwashiorkor: clinical studies in Sudanese children. Coulter JB, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):945–51

COMPLICATIONS

Etiology of acute gastroenteritis in malnutrition. Roy VV, et al. **Indian J Med Res** 1986 Aug;84:173–7

ETIOLOGY

A kwashiorkor–like syndrome in a Caucasian with enteropathy. Poskitt EM, et al. **Ann Trop Paediatr** 1986 Dec;6(4):275–7

Free radicals in the pathogenesis of kwashiorkor. Golden MH, et al. **Proc Nutr Soc** 1987 Feb;46(1):53–68

METABOLISM

Single dose disposition of chloroquine in kwashiorkor and normal children—evidence for decreased absorption in kwashiorkor. Walker O, et al. **Br J Clin Pharmacol** 1987 Apr;23(4):467–72

Basal thyroid hormone levels in kwashiorkor. Walumbe JM. **East Afr Med J** 1986 Sep;63(9):595–8

[A case of kwashiorkor–like syndrome—research in lipid metabolism] Tokumo H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov;83(11):2435–9 **(Jpn)**

MORTALITY

Severe protein energy malnutrition in Lesotho, death and survival in hospital, clinical findings. Tolboom JJ, et al. **Trop Geogr Med** 1986 Dec;38(4):351–8

OCCURRENCE

Famine in Ethiopia 1983–1985: kwashiorkor and marasmus in four regions. Lindtjørn B. **Ann Trop Paediatr** 1987 Mar; 7(1):1–5

PATHOLOGY

Pancreatic lesions due to prolonged malnutrition in Ibo children: possible transition between kwashiorkor and chronic calcifying pancreatitis. Montalegre A, et al. **Pancreas** 1987;2(1):114–6

PHYSIOPATHOLOGY

Gastric emptying in children. IV. Studies on kwashiorkor and on marasmic kwashiorkor. Franco VH, et al. **Arq Gastroenterol** 1986 Jan–Mar;23(1):42–6

Brainstem auditory evoked potentials in severely malnourished children with kwashiorkor. Bartel PR, et al. **Neuropediatries** 1986 Nov;17(4):178–82

RADIOGRAPHY

Computed tomography in severe protein energy malnutrition. Househam KC, et al. **Arch Dis Child** 1987 Jun;62(6):589–92

KYASANUR FOREST DISEASE

VETERINARY

The epizootics of Kyasanur Forest disease in wild monkeys during 1964 to 1973. Sreenivasan MA, et al. **Trans R Soc Trop Med Hyg** 1986;80(5):810–4

KYASANUR FOREST DISEASE VIRUS see **FLAVIVIRUSES**

KYMOGRAPHY

INSTRUMENTATION

Smoked drum pharmacology: alive and well and living in the west. Duckles SP. **Proc West Pharmacol Soc** 1987; 30:181–5

KYMOGRAPHY, RADIOGRAPHIC see **ELECTROKYMOGRAPHY**

KYNURAMINE see under **PROPIOPHENONES**

KYNURENIC ACID

PHARMACODYNAMICS

Kynurenic acid blocks suprachiasmatic nucleus responses to optic nerve stimulation. Cahill GM, et al. **Brain Res** 1987 Apr 28;410(1):125–9

Kynurenic acid distinguishes kainate and quisqualate receptors in the vertebrate retina. Coleman PA, et al. **Brain Res** 1986 Aug 27;381(1):172–5

Effects of kynurenic acid on evoked extracellular field potentials in the rat olfactory bulb in vivo. Jacobson I, et al. **Brain Res** 1986 Oct 29;386(1–2):389–92

Kynurenines do not antagonise GABA in rat hippocampus. Stone TW. **Eur J Pharmacol** 1986 Aug 22;128(1–2):81–3

Kynurenic acid and gamma-D-glutamylaminomethylsulfonic acid suppress the compound action potential of the auditory nerve. Bobbin RP, et al. **Hear Res** 1987;25(1):77–81

Pharmacology of retinotectal transmission in the goldfish: effects of nicotinic ligands, strychnine, and kynurenic acid. Langdon RB, et al. **J Neurosci** 1987 Mar;7(3):760–73

PHYSIOLOGY

Neuropharmacological actions of kynurenic and quinolinic acids on horizontal cells of the isolated fish retina. Hankins MW, et al. **Brain Res** 1986 Aug 20;380(2):297–302

THERAPEUTIC USE

Inhibition of excitatory neurotransmission with kynurenate reduces brain edema in neonatal anoxia. Simon RP, et al. **Neurosci Lett** 1986 Nov 21;71(3):361–4

URINE

Kynurenic acid and xanthurenic acid excretion after tryptophan loading in actinic reticuloid. Vonderheid EC, et al. **Int J Dermatol** 1987 Jan–Feb;26(1):33–41

KYNURENINE

ANALOGS & DERIVATIVES

Determination of kynurenine in serum by high-performance liquid chromatography after enzymatic conversion to 3-hydroxykynurenine. Naito J, et al. **Anal Biochem** 1987 Feb 15;161(1):16–9

Human plasma lipofuscin melanins formed from tryptophan metabolites. Hegedus ZL, et al. **Arch Int Physiol Biochim** 1986 Dec;94(5):339–48

3-Hydroxykynurenine as O2-. scavenger in the blowfly, Aldrichina grahami. Goshima N, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):666–72

3-Hydroxykynurenine as a possible mechanism of epileptic seizures associated with neonatal vitamin B6 deficiency. Guilarte TR, et al. **Trans Assoc Am Physicians** 1986;99:73–7

BLOOD

Determination of kynurenine in serum by high-performance liquid chromatography after enzymatic conversion to 3-hydroxykynurenine. Naito J, et al. **Anal Biochem** 1987 Feb 15;161(1):16–9

METABOLISM

Interaction of 5-hydroxykynurenamine, L-kynurenine and kynuramine with multiple serotonin receptors in smooth muscle. Pomfret DW, et al. **J Pharmacol Exp Ther** 1987 May;241(2):465–71

PHARMACODYNAMICS

Kynurenines do not antagonise GABA in rat hippocampus. Stone TW. **Eur J Pharmacol** 1986 Aug 22;128(1–2):81–3

[Changes in cat behavior as affected by intracerebral microinjections of kynurenine and quinolinic acid] Dutov AA, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):445–7 (Eng. Abstr.) **(Rus)**

[Participation of kynurenine and its derivatives in disorders of the cardiac rhythm] Rudzit VK, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):719–21 (Eng. Abstr.) **(Rus)**

[Behavioral and EEG signs of the convulsive action of kynurenine and quinolinic acid in cats] Dutov AA, et al. **Farmakol Toksikol** 1987 May–Jun;50(3):33–6 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Blockade of excitatory amino acid receptors protects anoxic hippocampal slices. Clark GD, et al. **Neuroscience** 1987 Jun;21(3):665–71

KYPHOSIS

COMPLICATIONS

The abnormal renal axis in children with spina bifida and gibbus deformity—the pseudohorseshoe kidney. Fernbach SK, et al. **J Urol** 1986 Dec;136(6):1258–60

Headaches, opiates and kyphoscoliosis—a dangerous mixture. Umapathy D, et al. **Scott Med J** 1987 Jun;32(3):80–1

[Kyphoscoliosis and cor pulmonale (report of 5 cases and review of the literature] Ye YQ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Dec;9(6):335–7, 381–2 (Eng. Abstr.) **(Chi)**

[Treatment of the neurological complications of kyphosis and kyphoscoliosis by spinal cord transposition] Lesoin F, et al. **J Chir (Paris)** 1987 Mar;124(3):198–203 (Eng. Abstr.) **(Fre)**

[Iron deficiency anemia in elderly patients with kyphosis] Kubota K, et al. **Nippon Ronen Igakkai Zasshi** 1987 Jan; 24(1):22–6 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Prediction of the angle of gibbus deformity in tuberculosis of the spine. Rajasekaran S, et al. **J Bone Joint Surg [Am]** 1987 Apr;69(4):503–9

Spinal deformity in Marfan syndrome. Birch JG, et al. **J Pediatr Orthop** 1987 Sep–Oct;7(5):546–52

[Electrocardiography changes in scoliosis and kyphosis deformities of the thorax] Peters S. **Z Orthop** 1987 Jan–Feb; 125(1):14–8 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Two hereditary spinal diseases producing kyphosis during adolescence. Nielsen OG, et al. **Acta Paediatr Scand** 1987 Jan;76(1):133–6

Spinal cord compression secondary to kyphosis associated with radiation therapy for metastatic disease. Lord CF, et al. **Clin Orthop** 1986 Sep;(210):120–7

Cervical kyphosis in diastrophic dwarfism: CT and MR findings. Krecak J, et al. **Pediatr Radiol** 1987;17(4):321–2

Spinal deformity and instability after multilevel cervical laminectomy. Mikawa Y, et al. **Spine** 1987 Jan–Feb; 12(1):6–11

PATHOLOGY

Cervical and lumbar lordosis and thoracic kyphosis in 8, 11 and 15-year-old children. Hellsing E, et al. **Eur J Orthod** 1987 May;9(2):129–38

PHYSIOPATHOLOGY

The anatomy of spinal deformity: a biomechanical analysis. Deacon P, et al. **Orthopedics** 1987 Jun;10(6):897–903

Lung function in relation to thoracic spinal mobility and kyphosis. Mellin G, et al. **Scand J Rehabil Med** 1987; 19(2):89–92

RADIOGRAPHY

Spinal deformities and pseudofractures. Boechat MI. **AJR** 1987 Jan;148(1):97–8

Progressive non-infectious anterior vertebral fusion. Smith JR, et al. **Skeletal Radiol** 1986;15(8):599–604

[Roentgenological characteristics of the structural changes in the spine in sportsmen] Voronovich IR, et al. **Ortop Travmatol Protez** 1986 Oct;(10):21–4 (Eng. Abstr.) **(Rus)**

SURGERY

The surgical treatment of post-traumatic vertebral deformities. Roy-Camille R, et al. **Ital J Orthop Traumatol** 1986 Dec;12(4):419–26

The use of banked autologous blood in patients undergoing surgery for spinal deformity. Bailey TE Jr, et al. **J Bone Joint Surg [Am]** 1987 Mar;69(3):329–32

Segmental spinal instrumentation with subluminar wires. A critical appraisal. Herndon WA, et al. **J Bone Joint Surg [Am]** 1987 Jul;69(6):851–9

Spine deformity in familial dysautonomia (Riley-Day syndrome). Albanese SA, et al. **J Pediatr Orthop** 1987 Mar–Apr;7(2):179–83

Double L-rod instrumentation in the treatment of severe kyphosis secondary to Scheuermann's disease. Lowe TG. **Spine** 1987 May;12(4):336–41

Cervical dislocation adjacent to a fused motion segment. A case report. Whitehill R, et al. **Spine** 1987 May;12(4):396–8

[Reinforced staple applied to the thoraco-lumbar spine for inter-vertebral-body fixation. A preliminary report of 49 cases] Rao SC, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Dec;17(4):294–8 (Eng. Abstr.) **(Chi)**

[Treatment of kyphotic deformities of the cervical spine by bilateral anterolateral approach] Lesoin F, et al. **Ann Chir** 1987;41(3):240–4 (Eng. Abstr.) **(Fre)**

[Extradural hematoma after the surgical treatment of kyphosis] Blery M, et al. **J Radiol** 1986 Nov;67(11):823–6 (Eng. Abstr.) **(Fre)**

[Surgery of severe vertebral kyphosis in ankylosing spondylitis] Roy-Camille R, et al. **Rev Rhum Mal Osteoartic** 1987 Mar;54(3):261–7 (Eng. Abstr.) **(Fre)**

THERAPY

Scheuermann kyphosis. Follow-up of Milwaukee-brace treatment. Sachs B, et al. **J Bone Joint Surg [Am]** 1987 Jan;69(1):50–7

Management of myelomeningocele kyphosis in the older child by kyphectomy and segmental spinal instrumentation. Heydemann JS, et al. **Spine** 1987 Jan–Feb;12(1):37–41

[Pneumatic HALO fitting device. A new device for halo fixation] Krähe T. **Z Orthop** 1987 Mar–Apr;125(2):135–6 (Eng. Abstr.) **(Ger)**

[Comparison of the effects of lordosis on the thoracic spine using the Milwaukee and Gschwend brace in scoliosis and kyphosis] Krähe T, et al. **Z Orthop** 1986 Sep–Oct; 124(5):613–8 (Eng. Abstr.) **(Ger)**

VETERINARY

Kyphosis in the marsh rice rat (Oryzomys palustris). Webster WD. **J Wildl Dis** 1987 Jan;23(1):171–2

L CELLS

ANALYSIS

Association of reovirus proteins with the structural matrix of infected cells. Mora M, et al. **Virology** 1987 Aug; 159(2):265–77

CYTOLOGY

The influence of bioglass on the growth of fibroblasts. Matsuda T, et al. **J Biomed Mater Res** 1987 Apr; 21(4):499–507

L-929 cells under hyperosmotic conditions: volume changes. Clegg JS. **J Cell Physiol** 1986 Dec;129(3):367–74

[Effect of lymphocytes on the differentiation of in vitro transformed L-line mouse fibroblasts] Gorlina NK, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):725–7 (Eng. Abstr.) **(Rus)**

[Changes in the karyotype and surface properties of L cells during the adaptation of a suspension culture to monolayer growth] Andreeva EV, et al. **Tsitologiia** 1987 Jun; 29(6):684–8 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

[Effect of glutaraldehyde on cultured cells—restraining effect on multiplication of L cells] Kuroki K, et al. **Nippon Yakurigaku Zasshi** 1986 Aug;88(2):65–70 (Eng. Abstr.) **(Jpn)**

[Fatty conversion of mouse fibroblasts of the L-929 line induced by cysticerci of the cat tapeworm] Adoeva EIa. **Tsitologiia** 1987 Apr;29(4):472–7 (Eng. Abstr.) **(Rus)**

[Sensitivity of the proliferation of normal and tumor cells to cytochalasin D] Glushankova NA, et al. **Tsitologiia** 1986 Dec;28(12):1294–8 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Localization of the deoxyribonucleotide biosynthetic enzymes ribonucleotide reductase and thymidylate synthase in mouse L cells. Kucera R, et al. **Exp Cell Res** 1986 Dec; 167(2):417–28

[Effect of the segregation of neutral red, acridine orange and ammonium chloride by L cells (subline LSM) on lysosomal hydrolase activity] Bulychev AG, et al. **Tsitologiia** 1986 Jul;28(7):703–12 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Induction of cell fusion in Newcastle disease virus-infected L929 cells by anti-L929 cell antisera. Ito Y, et al. **J Gen Virol** 1987 May;68 (Pt 5):1261–6

Killer-helper effect of L cells in the generation of anti-MM cytotoxic T lymphocytes: replacement by beta-interferon and mechanisms of action. Ishikawa S, et al. **Jpn J Cancer Res** 1986 Sep;77(9):931–40

METABOLISM

Production of human beta-interferon in mouse L-cells. Schulz R, et al. **Dev Biol Stand** 1987;66:489–93

MICROBIOLOGY

Ultrastructural study of mode of entry of Chlamydia psittaci into L-929 cells. Hodinka RL, et al. **Infect Immun** 1986 Dec;54(3):855–63

PHYSIOLOGY

Relation between high-frequency electrical impedance and malignity of two L cell sublines. Setka J, et al. **Neoplasma** 1986;33(5):609–13

Transient changes in permeability in HeLa and L cells during detachment from a substrate. Lamb JF, et al. **Q J Exp Physiol** 1987 Apr;72(2):189–99

Vesicular stomatitis virus P function depends on cellular growth cycle. Stanners CP, et al. **Virology** 1987 Sep; 160(1):255–8

RADIATION EFFECTS

Disulfiram as a radiation modifier. Taylor RD, et al. **Ann Clin Lab Sci** 1986 Nov–Dec;16(6):443–9

ULTRASTRUCTURE

[Dependence of the redistribution of ligand–receptor complexes in cultured cells on the type of growth and on the cell cycle phase] Khomenko AV, et al. **Tsitologiia** 1986 Jul;28(7):693–8 (Eng. Abstr.) (Rus)

L FORMS

[Interstitial pneumonia and L-form bacterial septicemia] Xue WL, et al.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1987 Feb;10(1):35–7, 63 (Eng. Abstr.) (Chi)

[Morphological changes in the neuroendocrine system during experimental infection of animals with L-forms of group B Streptococcus] Khostikian NG, et al. **Arkh Patol** 1987; 49(5):64–70 (Eng. Abstr.) (Rus)

CYTOLOGY

Effect of the composition of reversion medium on change of Staphylococcus aureus lysostaphin protoplasts to coccal forms and L-forms. Kato Y, et al. **Biken J** 1986 Jun; 29(2):39–44

DRUG EFFECTS

Some morphological and functional aspects of the penicillin-induced stable L-forms of Escherichia coli. Michailova L, et al. **Acta Microbiol Bulg** 1986;19:3–7

Effect of nalidixic acid on the conversion of Staphylococcus aureus cells to L-forms in a liquid medium with 6-aminopenicillanic acid and lysozyme. Yabu K.
Microbiol Immunol 1986;30(8):811–8

[Effect of rifampicin on the L transformation of a mycobacterial population in patients with destructive pulmonary tuberculosis] Karachunskiĭ MA, et al.
Probl Tuberk 1986;(9):31–4 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Presence of cell wall lytic enzyme in stable staphylococcal L-form. Miyake Y, et al. **Hiroshima J Med Sci** 1986 Dec; 35(4):317–20

GROWTH & DEVELOPMENT

[Growth of Mycobacterium tuberculosis L forms on semipermeable cellophane membranes] Bilʹko IP.
Probl Tuberk 1986;(8):61–3 (Eng. Abstr.) (Rus)

IMMUNOLOGY

[Comparative biological characteristics of the L-form of Streptococcus group A and B] Goncharova SA, et al.
Zh Mikrobiol Epidemiol Immunobiol 1986 Oct;(10):22–5 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

The significance of L-forms of mycobacteria in the clinical picture of tuberculosis. Dorozhkova IR, et al.
Rev Ig [Pneumoftiziol] 1986 Jul–Sep;35(3):267–9

[Clinical significance of finding mycobacterial L forms in patients with destructive pulmonary tuberculosis] Golanov VS. **Probl Tuberk** 1986;(9):25–8 (Eng. Abstr.) (Rus)

[Diagnostic significance of isolating Mycobacterium tuberculosis L forms in patients at the sanatorium stage of treatment] Samillo GK. **Probl Tuberk** 1986;(9):28–30 (Eng. Abstr.) (Rus)

[Comparative effectiveness of different methods for the microbiological study of resected pulmonary tuberculomas] Dorozhkova IR, et al.
Zh Mikrobiol Epidemiol Immunobiol 1987 Jun;(6):25–9 (Eng. Abstr.) (Rus)

[Detection of microbial variants of Salmonella typhi in the bone marrow of typhoid patients and carriers] Prozorovskiĭ SV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Dec; (12):15–7 (Eng. Abstr.) (Rus)

PATHOGENICITY

[Significance of tuberculous infection in pediatric practice and borderline conditions in pediatric nephrology] Ezerskiĭ RF, et al. **Pediatriia** 1986 Aug;(8):58–60 (Rus)

PHYSIOLOGY

Prophage type of recombinants produced by cell fusion between various combinations of lysogenic or non-lysogenic substrains from two Staphylococcus aureus L-forms. Hirachi Y, et al. **Biken J** 1986 Jun;29(2):45–9

Adhesion and phagocytosis of Staphylococcus aureus L-forms. Schmitt-Slomska J, et al. **J Basic Microbiol** 1986; 26(7):429–40

ULTRASTRUCTURE

[Ultrastructure of the L forms of Streptococcus group B] Churilova NS, et al.
Zh Mikrobiol Epidemiol Immunobiol 1987 Apr;(4):21–6 (Eng. Abstr.) (Rus)

LABELING, DRUG see **DRUG LABELING**

LABELING, FOOD see **FOOD LABELING**

LABELING, PRODUCT see **PRODUCT LABELING**

LABETALOL

The effect of labetalol on urinary prostacyclin secretion during surgery. Arroyo JL, et al. **Eur J Anaesthesiol** 1986 Jan;3(1):33–7

[Value of labetalol for controlled hypotension in surgery of otospongiosis] Briot D, et al.
Rev Laryngol Otol Rhinol (Bord) 1986;107(2):151–5 (Eng. Abstr.) (Fre)

ADMINISTRATION & DOSAGE

Effect of labetalol on indices of myocardial necrosis in patients with suspected acute infarction. Heber ME, et al. **Eur Heart J** 1987 Jan;8(1):11–8

Intravenous labetalol in acute aortic dissection [letter] Eisele G. **JAMA** 1987 Oct 2;258(13):1732–3

[Intravenous administration of labetalol in the treatment of hypertensive emergencies] Gherasim L, et al.
Rev Med Interna [Med Interna] 1986 May–Jun;38(3):233–40 (Eng. Abstr.) (Rum)

ADVERSE EFFECTS

[Drug-induced allergic alveolitis and Parsonage–Turner syndrome in a patient treated with labetalol (letter)] Vacher D, et al. **Presse Med** 1987 Mar 28;16(11):539–40 (Fre)

ANALYSIS

Combined use of an automated sample processor and a polymer-based high-performance liquid chromatographic column to determine the pharmacokinetics of labetalol in man. Bates J, et al. **J Chromatogr** 1987 Jun 12;395:455–61

BLOOD

Improved liquid-chromatographic assay of labetalol in plasma. Luke DR, et al. **Clin Chem** 1987 Aug;33(8):1450–2

METABOLISM

The disposition and dynamics of labetalol in patients on dialysis. Halstenson CE, et al. **Clin Pharmacol Ther** 1986 Oct;40(4):462–8

Analysis of urinary catecholamines by high-performance liquid chromatography in the presence of labetalol metabolites. Binder SR, et al. **J Chromatogr** 1987 Jan 9; 385:241–7

[Relative biological availability of labetalol after the administration of the Trandate (Allen & Hanburys) and Coreton (VULM) preparations] Kusala S, et al.
Cesk Fysiol 1987;36(1):78–85 (Slo)

PHARMACODYNAMICS

Labetalol protects against the potentiation by propranolol of the bronchospasm to norepinephrine in guinea-pigs. Kreutner W, et al. **Arch Int Pharmacodyn Ther** 1987 Jan; 285(1):117–28

Failure of enhancement by labetalol of bronchopulmonary effects of histamine in guinea-pigs: independence of alpha-adrenoceptor antagonism. Clerici C, et al.
Br J Pharmacol 1987 Jul;91(3):487–92

A comparison of the beta-adrenoceptor agonist potency of labetalol with those of sympathomimetic drugs, and the role of alpha-receptors in pharmacological actions of these drugs on tracheal smooth muscles in guinea pigs. Kameda H, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov; 34(11):4797–804

Actions of 4-(2-hydroxy-3-[(1-methyl-3-phenylpropyl)= amino]propoxy) benzeneacetamide (KF4317) and labetalol on alpha- and beta-adrenoceptors. Takayanagi I, et al.
Gen Pharmacol 1986;17(6):651–3

Effects of oral labetalol on forearm and hepatic circulations in normotensive humans. Sweeney MO, et al.
J Lab Clin Med 1987 May;109(5):589–94

Induced hypotension with labetalol for orthognathic surgery. McNulty S, et al. **J Oral Maxillofac Surg** 1987 Apr; 45(4):309–11

Effects of labetalol on renin release from rat kidney cortical slices. Morimoto S, et al. **J Pharmacobiodyn** 1986 Nov; 9(11):928–33

Cardiac electrophysiologic actions of SCH 19927 (Dilevalol), the R,R-isomer of labetalol. Lynch JJ, et al.
J Pharmacol Exp Ther 1986 Dec;239(3):719–23

Effects of labetalol on in vitro preparations of the trachea and lung strips and on ventilation overflow in vivo in guinea pigs. Kameda H. **Jpn J Pharmacol** 1987 Mar; 43(3):291–9

POISONING

Massive propranolol overdose [letter] Hurwitz MD, et al. **Am J Med** 1986 Dec;81(6):1118

Acute renal failure after overdose of labetalol. Smit AJ, et al. **Br Med J [Clin Res]** 1986 Nov 1;293(6555):1142–3

THERAPEUTIC USE

Labetalol as a hypotensive agent for middle ear microsurgery. Ssarnivaara L, et al. **Acta Anaesthesiol Scand** 1987 Apr; 31(3):196–201

Systemic and coronary hemodynamic effects of combined alpha- and beta-adrenergic blockade (labetalol) in normotensive patients with stable angina pectoris and positive exercise stress test responses. Prida XE, et al.
Am J Cardiol 1987 May 1;59(12):1084–8

Intravenous labetalol for treatment of postoperative hypertension. Leslie JB, et al. **Anesthesiology** 1987 Sep; 67(3):413–6

Labetalol treatment of cocaine toxicity [letter] Dusenberry SJ, et al. **Ann Emerg Med** 1987 Feb;16(2):235

Rebound hypertension following abrupt cessation of clonidine and metoprolol. Treatment with labetalol. Mehta JL, et al. **Arch Intern Med** 1987 Feb;147(2):389–90

The effects of simultaneous atropine and labetalol administration on cardiovascular parameters during anticholinesterase poisoning in anaesthetized cat. Merican Z, et al. **Clin Exp Pharmacol Physiol** 1987 Jan;14(1):1–6

Postmarketing comparison of labetalol and propranolol in hypertensive patients. Due DL, et al. **Clin Ther** 1986; 8(6):624–31

Intravenous labetalol in the management of resistant hypertensive emergency. Ngole PM.
Drug Intell Clin Pharm 1987 Jun;21(6):512–4

Results obtained from labetalol therapy in essential hypertension. Cagatay G, et al.
Int J Clin Pharmacol Ther Toxicol 1987 Feb;25(2):110–2

Labetalol in the treatment of angina pectoris. Kanto JH.
Int J Clin Pharmacol Ther Toxicol 1987 Mar;25(3):166–74 (64 ref.)

Evolution of renal function under chronic oral administration of labetalol. Labeeuw M, et al.
Int J Clin Pharmacol Ther Toxicol 1987 Jan;25(1):23–5

Effect of single doses of labetalol, metoprolol, and placebo on ventilatory function in patients with bronchial asthma: interaction with isoproterenol. Falliers CJ, et al.
J Asthma 1986;23(5):251–60

Hypertension: a view from Detroit. Cubberley RB.
J Natl Med Assoc 1987 Mar;79 Suppl:23–6

Management of unique hypertensive situations: a focus on difficult, problematic, elderly black patients. Flamenbaum W. **J Natl Med Assoc** 1987 Mar;79 Suppl:31–4

Antifibrillatory efficacy of concomitant beta adrenergic receptor blockade with dilevalol, the R,R-isomer of labetalol, and muscarinic receptor blockade with methylscopolamine. Lynch JJ, et al.
J Pharmacol Exp Ther 1987 May;241(2):741–9

Intravenous labetalol in acute aortic dissection. Grubb BP, et al. **JAMA** 1987 Jul 3;258(1):78–9

Placebo-controlled comparison of captopril, atenolol, labetalol, and pindolol in hypertension complicated by intermittent claudication. Roberts DH, et al. **Lancet** 1987 Sep 19;2(8560):650–3

A comparative trial of labetalol and hydralazine in the acute management of severe hypertension complicating pregnancy. Mabie WC, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):328–33

A comparison of labetalol plus hospitalization versus hospitalization alone in the management of preeclampsia remote from term. Sibai BM, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):323–7

Comparison of labetalol and dihydralazine in hypertensive emergencies of pregnancy. Ashe RG, et al.
S Afr Med J 1987 Mar 21;71(6):354–6

Platelet function in pregnancy induced hypertension following treatment with labetalol and low dose aspirin. Greer IA, et al. **Thromb Res** 1987 May 15;46(4):607–11

Treatment of severe hypertension with peroral labetalol. Frithz G. **Ups J Med Sci** 1987;92(1):75–8

[Arterial hypertension in the elderly. Double-blind study versus placebo of the efficacy and tolerability of an alpha-beta blocker: labetalol] Forette F, et al.
Ann Cardiol Angeiol (Paris) 1987 Feb;36(2):103–7 (Eng. Abstr.) (Fre)

[Potentiation of the hypotensive effect of labetalol in hypertensive patients treated to maintain sodium balance in the body] Liusov VA, et al. **Kardiologiia** 1987 Feb; 27(2):71–6 (Eng. Abstr.) (Rus)

[Anti-angina and hemodynamic action of labetalol in angina patients] Sharaeva ML. **Vrach Delo** 1987 May;(5):57–9 (Eng. Abstr.) (Rus)

LABOR

see related
FETAL MONITORING

Childbirth research data: medical records or women's reports? Hewson D, et al. **Am J Epidemiol** 1987 Mar; 125(3):484–91

Vaginal birth after two or more previous cesarean sections. Farmakides G, et al. **Am J Obstet Gynecol** 1987 Mar; 156(3):565–6

Emergent cesarean delivery in patients undergoing a trial of labor with a transverse lower-segment scar. Finley BE, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):936–9

Management of term breech presentation. Flanagan TA, et al. **Am J Obstet Gynecol** 1987 Jun;156(6):1492–502

Collagenolysis in human vaginal tissue during pregnancy and delivery: a light and electron microscopic study. Manabe Y, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1060–6

Intrapartum fetal heart rate monitoring [letter] Mathews DD. **Am J Obstet Gynecol** 1987 Feb;156(2):523

The preterm cervix and preterm labor: relative risks, predictive values, and change over time. Stubbs TM, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):829–34

Trial of labor without oxytocin in patients with a previous cesarean section. Amir W, et al. **Am J Perinatol** 1987 Apr;

4(2):140–3
Management of the insulin-dependent diabetic during labor and delivery. Influences on neonatal outcome. Miodovnik M, et al. **Am J Perinatol** 1987 Apr;4(2):106–14
Does a decrease in cortisol negative feedback efficacy precede ovine parturition? Wood CE. **Am J Physiol** 1987 Mar;252(3 Pt 2):R624–7
The evolution of maternal birthing position. Dundes L. **Am J Public Health** 1987 May;77(5):636–41
Parturition: places and priorities [editorial] Pearse WH. **Am J Public Health** 1987 Aug;77(8):923–4
Neonatal mortality in Missouri home births, 1978–84. Schramm WF, et al. **Am J Public Health** 1987 Aug; 77(8):930–5
Nalbuphine for obstetric analgesia. A comparison of nalbuphine with pethidine for pain relief in labour when administered by patient-controlled analgesia (PCA). Frank M, et al. **Anaesthesia** 1987 Jul;42(7):697–703
Pethidine compared with meptazinol during labour. A prospective randomised double-blind study in 1100 patients. Morrison CE, et al. **Anaesthesia** 1987 Jan; 42(1):7–14
A double-blind comparison of intramuscular pethidine and nalbuphine in labour. Wilson CM, et al. **Anaesthesia** 1986 Dec;41(12):1207–13
Epinephrine enhances analgesia produced by epidural bupivacaine during labor. Eisenach JC, et al. **Anesth Analg** 1987 May;66(5):447–51
Pharmacokinetics and placental transfer of intravenous and epidural alfentanil in parturient women. Gepts E, et al. **Anesth Analg** 1986 Nov;65(11):1155–60
Is midazolam desirable for sedation in parturients [letter] Camann W, et al. **Anesthesiology** 1986 Oct;65(4):441
Anesthetic management of the parturient receiving amiodarone. Koblin DD, et al. **Anesthesiology** 1987 Apr; 66(4):551–3
No evidence that anesthesiologists enhance care of the parturient [letter] Singer MM. **Anesthesiology** 1987 Jul; 67(1):152–4
A comparative study of intrauterine fetal resuscitation by beta-stimulant and O2 inhalation. Hidaka A, et al. **Asia Oceania J Obstet Gynaecol** 1987 Jun;13(2):195–200
A topographic investigation of the site of origin and subsequent propagation of uterine contractions in spontaneous labor and their clinical significance. Takagi K, et al. **Asia Oceania J Obstet Gynaecol** 1986 Sep; 12(3):371–83
The use of epidural bupivacaine for the relief of childbirth pain. Bennett A, et al. **Aust Paediatr J** 1987 Feb;23(1):13–9 (58 ref.)
Extradural infusion of 0.125% bupivacaine at 10 ml h–1 to women during labour. Bogod DG, et al. **Br J Anaesth** 1987 Mar;59(3):325–30
Extradural analgesia during labour using alfentanil. Heytens L, et al. **Br J Anaesth** 1987 Mar;59(3):331–7
Continuous extradural analgesia in labour. Comparison between "on demand" and regular "top-up" injection. Murdy G, et al. **Br J Anaesth** 1987 Mar;59(3):319–24
Placental transfer of flunitrazepam following intramuscular administration during labour. Kanto J, et al. **Br J Clin Pharmacol** 1987 Apr;23(4):491–4
The effect of the duration of the second stage of labour on the acid–base state of the fetus. Katz M, et al. **Br J Obstet Gynaecol** 1987 May;94(5):425–30
Obstetric analgesia and fetal aortic blood flow during labour. Lindblad A, et al. **Br J Obstet Gynaecol** 1987 Apr; 94(4):306–11
Effect of epidural analgesia on maximum and minimum blood pressures during the first stage of labour in primigravidae with mild/moderate gestational hypertension [letter] Page LJ, et al. **Br J Obstet Gynaecol** 1986 Oct;93(10):1115–7
Fetal distress and the condition of the newborn using cardiotocography and fetal blood analysis during labour. van den Berg P, et al. **Br J Obstet Gynaecol** 1987 Jan; 94(1):72–5
Effects of social support during parturition on maternal and infant morbidity. Klaus MH, et al. **Br Med J [Clin Res]** 1986 Sep 6;293(6547):585–7
Dense-cored membrane structures in rat myometrial smooth muscle cells: increase in number during parturition. Kwan CY, et al. **Can J Physiol Pharmacol** 1986 Sep;64(9):1219–22
Use of promethazine (Phenergan) in labour [letter] Hall PF. **Can Med Assoc J** 1987 Apr 1;136(7):690–1
Changes in the management of labour: 1. Length and management of the second stage. Reynolds JL, et al. **Can Med Assoc J** 1987 May 15;136(10):1041–5
Changes in the management of labour: 2. Perineal management. Reynolds JL, et al. **Can Med Assoc J** 1987 May 15;136(10):1045–9
Rapid formation of myometrial gap junctions during parturition in the unilaterally implanted rat uterus. Ikeda M, et al. **Cell Tissue Res** 1987 May;248(2):297–303
The management of functional dystocia in the first stage of labor. Seitchik J. **Clin Obstet Gynecol** 1987 Mar;30(1):42–9
Graphic management of labor: alert/action line. Sheen PW, et al. **Clin Obstet Gynecol** 1987 Mar;30(1):33–41
Stress-free labor for the diabetic parturient [letter] Ho AM, et al. **Diabetes Care** 1986 Sep–Oct;9(5):555–6
Unmarried at delivery. II. Perinatal morbidity and mortality. Golding J, et al. **Early Hum Dev** 1986 Dec;14(3–4):217–27
Unmarried at delivery. I. The mothers and their care. Henriques J, et al. **Early Hum Dev** 1986 Dec;14(3–4):201–16
Changes in the plasma prostaglandin F2 alpha metabolite before and during spontaneous labor and labor induced by amniotomy, oxytocin and prostaglandin E2. Nagata I, et al. **Endocrinol Jpn** 1987 Apr;34(2):153–9
Change of serum HPL level in maternal vein, umbilical cord vein and artery in mature and premature labour. Hercz P, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Mar; 24(3):189–93
Is X-ray pelvimetry useful in a trial of labour after caesarean section? Lao TT, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Apr;24(4):277–83
The influence of signal loss on the comparison between computer analyses of the fetal heart rate in labour using pulsed Doppler ultrasound (with autocorrelation) and simultaneous scalp electrocardiogram. Spencer JA, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 May;25(1):29–34
Catecholamines and their metabolites in human amniotic fluid in the first stage of spontaneous labour. Godziejewski J, et al. **Ginekol Pol** 1986 Aug;57(8):514–7
Risk factors in childbirth causing damage to the pelvic floor innervation. Snooks SJ, et al. **Int J Color Dis** 1986 Jan; 1(1):20–4
Childbirth following primary cesarean section—evaluation of a scoring system. Dhall K, et al. **Int J Gynaecol Obstet** 1987 Jun;25(3):199–205
Prevention of postoperative infection in cesarean section after rupture of the membranes. Schedvins K, et al. **Int J Gynaecol Obstet** 1986 Jun;24(3):165–8
Frequency and efficacy of pelvimetry: Saskatoon experience. Miller K. **J Can Assoc Radiol** 1986 Dec;37(4):273–5
Labor in humans: 1. Progesterone, 20 alpha-dihydro-progesterone, estrone and 17 beta-estradiol in near placental and most distant human amnion and chorion laeve in various stages of labor at term. Cinque B, et al. **J Endocrinol Invest** 1986 Dec;9(6):487–90
Painless labor by continuous epidural bupivacaine. Pothinam S, et al. **J Med Assoc Thai** 1986 Nov;69(11):581–4
Effects of intravenous fluid infusion during labour. Suvonnakote T, et al. **J Med Assoc Thai** 1986 Aug; 69(8):428–31
Pain relief during labour. Suvonnakote T, et al. **J Med Assoc Thai** 1986 Nov;69(11):575–80
Beliefs and practices among Haitian American women in relation to childbearing. Harris K. **J Nurse Midwifery** 1987 May–Jun;32(3):149–55
Hydration in labor—is routine intravenous hydration necessary? Hazle NR. **J Nurse Midwifery** 1986 Jul–Aug; 31(4):171–6
Vaginal birth after cesarean section. Nurse-midwifery management. Laufer A, et al. **J Nurse Midwifery** 1987 Jan–Feb;32(1):41–7
Factors associated with perineal outcome during childbirth. Nodine PM, et al. **J Nurse Midwifery** 1987 May–Jun; 32(3):123–30
Disclosure practices of certified nurse-midwives relative to methods of childbirth pain management. Trandel-Korenchuk DM. **J Nurse Midwifery** 1987 May–Jun;32(3):131–9
The role of the nurse in labor and delivery as perceived by nurses and patients. Collins BA. **J Obstet Gynecol Neonatal Nurs** 1986 Sep–Oct;15(5):412–8
Nursing support in labor. Kintz DL. **J Obstet Gynecol Neonatal Nurs** 1987 Mar–Apr; 16(2):126–30
The effect of social and care environments on the disclosure practices of nurse midwives relative to methods of pain management in childbirth. Trandel-Korenchuk DM. **J Obstet Gynecol Neonatal Nurs** 1987 Jul–Aug;16(4):258–65
Promoting informed consent of women in labor. van Lier DJ, et al. **J Obstet Gynecol Neonatal Nurs** 1986 Sep–Oct; 15(5):419–22
Continuous transcutaneous carbon dioxide measurement from the fetal scalp during labor and during first minutes of extrauterine life. Löfgren O. **J Perinat Med** 1987; 15(1):37–44
Management of the third stage of labor with nipple stimulation. Kim YM, et al. **J Reprod Med** 1986 Nov; 31(11):1033–4
The influence of high level feeding on the duration of parturition and the incidence of dystocia in dairy cows. Maree C. **J S Afr Vet Assoc** 1986 Sep;57(3):151–3
Intrapartum fetal weight estimation: a comparison of three formulae. Yarkoni S, et al. **J Ultrasound Med** 1986 Dec; 5(12):707–10
Recent trends in cesarean birth and trial of labor rates in the United States. Shiono PH, et al. **JAMA** 1987 Jan 23–30; 257(4):494–7
Active management of labour [letter] Turner MJ, et al. **Lancet** 1987 Mar 28;1(8535):753–4
Effect of the birth chair on duration of second stage labor and maternal outcome. Cottrell BH, et al. **Nurs Res** 1986 Nov–Dec;35(6):364–7
Effects of sitting position on uterine activity during labor. Chen SZ, et al. **Obstet Gynecol** 1987 Jan;69(1):67–73
Continuous infusion epidural analgesia with lidocaine: efficacy and influence during the second stage of labor. Chestnut DH, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):323–7
Second-stage fetal heart rate abnormalities and type of neonatal acidemia. Gilstrap LC 3d, et al. **Obstet Gynecol** 1987 Aug;70(2):191–5
Maternal position during parturition in normal labor [letter] Hadi HA. **Obstet Gynecol** 1987 May;69(5):831–2
Amniotic fluid beta-endorphin levels and labor. Kofinas GD, et al. **Obstet Gynecol** 1987 Jun;69(6):945–7
Patient-controlled analgesia with nalbuphine during labor. Podlas J, et al. **Obstet Gynecol** 1987 Aug;70(2):202–4
False labor. Schauberger CW. **Obstet Gynecol** 1986 Dec; 68(6):770–2
Effect of amniotic fluid bacteria on the course of labor in nulliparous women at term. Silver RK, et al. **Obstet Gynecol** 1986 Nov;68(5):587–92
Predicting the outcome of labour. Allen DG, et al. **S Afr Med J** 1987 Apr 18;71(8):504–5
Meconium during labour—self-medication and other associations. Mitri F, et al. **S Afr Med J** 1987 Apr 4; 71(7):431–3
Labour in patients with a caesarean section scar. The place of oxytocin augmentation. van Gelderen CJ, et al. **S Afr Med J** 1986 Oct 25;70(9):529–32
The ambiguity of symbols in the structure of healing. Laderman C. **Soc Sci Med** 1987;24(4):293–301
Simplified cervicograph for rural maternity practice. Webber RH. **Trop Doct** 1987 Apr;17(2):81–4
Recognition and treatment of immune disorders at the time of birth. Stiehm ER. **Vox Sang** 1986;51 Suppl 2:30–2
Gender and level of training differences in obstetricians' attitudes towards patients in childbirth. Zambrana RE, et al. **Women Health** 1987;12(1):5–24
[Dynamics of calving, dystocia and the organization and effectiveness of obstetrical care for cows on commercial farm complexes] Bozhkov I, et al. **Vet Med Nauki** 1986; 23(10):89–94 (Eng. Abstr.) **(Bul)**
[The presence of the father during labor—evolution and present status] Presl J. **Cesk Gynekol** 1986 Dec;51(10):793–4 **(Cze)**
[Women's attitudes to antenatal care, delivery and the postpartum period. II. Delivery and the postpartum period] Ahrentsen OD, et al. **Ugeskr Laeger** 1986 Dec 15; 148(51):3473–5 (Eng. Abstr.) **(Dan)**
[Blood transfusion and AIDS. Alteration of the use of blood during deliveries] Christiansen OB. **Ugeskr Laeger** 1987 Jun 1;149(23):1519–21 (Eng. Abstr.) **(Dan)**
[Delivery of large infants in vertex presentation] Ersbak V, et al. **Ugeskr Laeger** 1987 Jun 1;149(23):1525–8 (Eng. Abstr.) **(Dan)**
[The course of deliveries in a department of general surgery] Espersen T, et al. **Ugeskr Laeger** 1987 May 18; 149(21):1392–5 (Eng. Abstr.) **(Dan)**
[Outpatient deliveries in the county of Storström in 1984 and 1985] Fabrin B, et al. **Ugeskr Laeger** 1987 Mar 9; 149(11):742–3 (Eng. Abstr.) **(Dan)**
[Comparison between spontaneous and induced labor in cases of suspected large fetuses] Johansen JR, et al. **Ugeskr Laeger** 1987 Apr 20;149(17):1136–8 (Eng. Abstr.) **(Dan)**
[Intrauterine palpation after vaginal delivery in patients with previous cesarean sections] Møller LB. **Ugeskr Laeger** 1987 Jan 12;149(3):159 (Eng. Abstr.) **(Dan)**
[Pregnancy and delivery in a patient with Ehlers-Danlos syndrome, type III] Skovgaard N, et al. **Ugeskr Laeger** 1986 Aug 25;148(35):2230 (Eng. Abstr.) **(Dan)**
[Plasma beta-endorphin and electric analgesia during labor] Stimmesse B, et al. **Cah Anesthesiol** 1986 Dec;34(8):641–2 **(Fre)**
[The nature of parturition] Schneider HP, et al. **Gynakol Rundsch** 1986;26(3):129–48 (39 ref.) (Eng. Abstr.) **(Ger)**
[Prognostic significance of heart rate accelerations of the fetus in the first stage of labor] Csapó Z, et al. **Zentralbl Gynakol** 1986;108(24):1493–500 (Eng. Abstr.) **(Ger)**
[The open delivery room: the husband's presence at childbirth] Szeverényi P, et al. **Orv Hetil** 1987 Aug 9; 128(32):1677–82 (Eng. Abstr.) **(Hun)**
[Childbirth in the older pregnant woman] Perolo FL, et al. **Minerva Ginecol** 1986 Oct;38(10):807–10 (Eng. Abstr.) **(Ita)**
[Semi-quantitative evaluation of the intrapartum variable deceleration of the FHR pattern and its association with umbilical cord blood gas analysis] Chen SZ, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Mar;39(3):411–9 (Eng. Abstr.) **(Jpn)**
[Successful pregnancy in a patient treated by long-term hemodialysis] Masuda R, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Dec; 38(12):2305–8 **(Jpn)**
[A case of idiopathic Addison's disease with pregnancy] Nakamura H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul;39(7):1165–8 **(Jpn)**
[Trial of labor in the patient with a prior cesarean section] Sato A, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Sep;38(9):1659–63 **(Jpn)**
[The 1MHz C-W Doppler device with an adaptive equalizer for fetal heat rate monitoring during labor] Yatsuki K. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Feb;39(2):279–86 (Eng. Abstr.) **(Jpn)**
[A case of acute promyelocytic leukemia diagnosed on the 5th day after delivery] Tanaka S, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1904–8 (Eng. Abstr.) **(Jpn)**
[Course of pregnancy and labor in women with surgically treated cervix incompetence] Marcinkowski Z, et al. **Ginekol Pol** 1986 Sep;57(9):573–7 (Eng. Abstr.) **(Pol)**

[The course of pregnancy and labor in women with a double uterus] Gwóźdź AZ. **Wiad Lek** 1986 Oct 1;39(19):1322–9 (Eng. Abstr.) **(Pol)**

[Validity of the physical and biochemical examination of amniotic fluid in the diagnosis of the fetus at risk during labor] Simko J. **Cesk Gynekol** 1987 Feb;52(1):4–12 (Eng. Abstr.) **(Slo)**

[Participatory education of the community in perinatal care. Methodological aspects] Torres Pereyra J. **Bol Of Sanit Panam** 1987 Feb;102(2):168–74 **(Spa)**

[A prospective and follow-up study of the health status of children. The course of labor in borderline measurement of the pelvic outlet] Floberg J, et al. **Lakartidningen** 1987 Jun 10;84(24):2108–11 **(Swe)**

BLOOD

Evaluation of enzyme inhibitors of pregnancy associated oxytocinase: application to the measurement of plasma immunoreactive oxytocin during human labour. Burd JM, et al. **Acta Endocrinol (Copenh)** 1987 Mar;114(3):458–64

Serum phenytoin during pregnancy, labor and puerperium. Bardy AH, et al. **Acta Neurol Scand** 1987 Jun;75(6):374–5

Studies of fibrinopeptide A, fibrinopeptide B beta 15–42 HMW-kininogen and kinin during normal pregnancy labor and puerperium. Mutoh S, et al. **Adv Exp Med Biol** 1986; 198 Pt B:41–4

Estrogen, progesterone, prolactin, prostaglandin E2, prostaglandin F2 alpha, 13,14-dihydro-15-keto-prostaglandin F2 alpha, and 6-keto-prostaglandin F1 alpha gradients across the uterus in women in labor and not in labor. Davidson BJ, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):54–8

Maternal and fetal circulating levels of thymosin alpha 1 during parturition. Welch RA, et al. **Am J Reprod Immunol Microbiol** 1987 Apr;13(4):125–7

The placental transfer and concentration difference in maternal and neonatal serum uric acid at parturition: comparison of normal pregnancies and gestosis. Chang FM, et al. **Biol Res Pregnancy Perinatol** 1987;8(1 1ST Half):35–9

Plasma fibrinolysis during and after normal childbirth. Mackinnon S, et al. **Br J Haematol** 1987 Mar;65(3):339–42

The effect of fructose infusions in the course of labor upon parturient and fetus. Sabata V, et al. **Eur J Obstet Gynecol Reprod Biol** 1977;7(3):121–5

Changes in plasma norepinephrine in normal labor following isometric contraction. Rabinovici J, et al. **Gynecol Obstet Invest** 1987;23(4):267–70

Changes in fetal and maternal blood levels of prolactin, cortisol, and cortisone during eutocic and dystocic childbirth. Van Cauwenberge JR, et al. **Horm Res** 1987; 25(3):125–31

Plasma corticotropin-releasing hormone concentrations during pregnancy and parturition. Campbell EA, et al. **J Clin Endocrinol Metab** 1987 May;64(5):1054–9

Immunoreactive corticotropin-releasing hormone in human plasma during pregnancy, labor, and delivery. Sasaki A, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):224–9

Prostaglandin in the peripheral plasma of tammar wallabies during parturition. Lewis PR, et al. **J Endocrinol** 1986 Oct; 111(1):103–9

Human placental lactogen level in normal pregnancy and labour. Samanta B, et al. **J Indian Med Assoc** 1986 Dec; 84(12):378–82

Serum copper level in pregnancy, labour and puerperium. Singh VK, et al. **J Indian Med Assoc** 1986 Jul;84(7):206–8

Plasma immunoreactive beta-endorphin, ACTH and cortisol concentrations in mothers and their neonates immediately after delivery—their relationship to the duration of labor. Bacigalupo G, et al. **J Perinat Med** 1987;15(1):45–52

Effect of photoperiod, injection of pentobarbitone sodium or lesion of the suprachiasmatic nucleus on pre-partum decrease of blood progesterone concentrations or time of birth in the rat. Murakami N, et al. **J Reprod Fertil** 1987 Mar;79(2):325–33

Maternal arterial oxygen saturation during labor and delivery: pain-dependent alterations and effects on the newborn. Deckardt R, et al. **Obstet Gynecol** 1987 Jul;70(1):21–5

Increases of plasma eosinophil major basic protein levels late in pregnancy predict onset of labor. Wasmoen TL, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):3029–32

The maternal serum cortisol levels after onset of labor. Kono H, et al. **Tohoku J Exp Med** 1987 Jun;152(2):133–7

Serum unconjugated estriol levels during spontaneous labor. Kono H, et al. **Tohoku J Exp Med** 1987 Jun;152(2):129–32

[Steroid hormone profile in the afterbirth expulsion period of cattle] Heuwieser W, et al. **DTW** 1987 May 7;94(5):311–4 (Eng. Abstr.) **(Ger)**

[Study of the profiles of prolactin and other hormones in both maternal plasma and amniotic fluid during labor] Kubota T, et al. **Nippon Naibunpi Gakkai Zasshi** 1987 Mar 20;63(3):215–26 (Eng. Abstr.) **(Jpn)**

[Studies on the relationship between reproductive phenomena and thyroid function—dynamics of the concentrations of thyroid hormones in pregnancy, parturition and puerperium] Nakayama H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Sep; 38(9):1578–86 (Eng. Abstr.) **(Jpn)**

[Quantitative nitroblue tetrazolium reduction test of peripheral blood polymorphonuclear leukocytes in women in pregnancy and labor] Yonemoto Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Mar; 39(3):425–31 (Eng. Abstr.) **(Jpn)**

[Serum levels of copper, zinc and magnesium in parturients and newborn infants in term and prolonged pregnancies] Kelm R. **Pediatr Pol** 1986 Sep;61(9):553–8 (Eng. Abstr.) **(Pol)**

[Body supply of vitamin D in mothers and newborn infants at birth in relation to the seasons] Pluta A, et al. **Pol Tyg Lek** 1987 Mar 2;42(9):254–6, 259 (Eng. Abstr.) **(Pol)**

CEREBROSPINAL FLUID

Cerebrospinal fluid levels of acetylcholinesterase, monoamines and oxytocin during labour, parturition, vaginocervical stimulation, lamb separation and suckling in sheep. Kendrick KM, et al. **Neuroendocrinology** 1986; 44(2):149–56

DRUG EFFECTS

Oxytocin precipitation of prostaglandin-induced farrowing in swine: determination of the optimal dose of oxytocin and optimal interval between prostaglandin F2 alpha and oxytocin. Dial GD, et al. **Am J Vet Res** 1987 Jun; 48(6):966–70

The influence of continuous epidural bupivacaine analgesia on the second stage of labor and method of delivery in nulliparous women. Chestnut DH, et al. **Anesthesiology** 1987 Jun;66(6):774–80

The effect of epidural analgesia on labour and delivery in Chinese women: a preliminary experience. Lao TT, et al. **Asia Oceania J Obstet Gynaecol** 1987 Jun;13(2):141–5

Effects of tioconazole on parturition and serum levels of 17 beta-oestradiol, progesterone, LH and PRL in the rat. Latrille F, et al. **Biochem Pharmacol** 1987 Apr 1; 36(7):1119–24

Pharmacologic effects on labor: effects of drugs on dystocia, labor, and uterine activity. Baxi LV, et al. **Clin Obstet Gynecol** 1987 Mar;30(1):19–32 (71 ref.)

Effect of altrenogest and Lutalyse on parturition control, plasma progesterone, unconjugated estrogen and 13,14-dihydro-15-keto-prostaglandin F2 alpha in sows. Guthrie HD, et al. **J Anim Sci** 1987 Jul;65(1):203–11

Induction of parturition in swine and epostane, a competitive inhibitor of 3 beta-hydroxysteroid dehydrogenase. Martin PA, et al. **J Anim Sci** 1987 Feb;64(2):497–506

Oxytocin: pharmacology and clinical application. Kruse J. **J Fam Pract** 1986 Nov;23(5):473–9 (34 ref.)

Control of birth in rats by RU 486, an antiprogesterone compound. Bosc MJ, et al. **J Reprod Fertil** 1987 Jan; 79(1):1–8

Effect of melatonin and removal of pouch young on the seasonality of births in the marsupial possum, Trichosurus vulpecula. Gemmell RT. **J Reprod Fertil** 1987 May; 80(1):301–7

Fetal and neonatal effects of drugs administered in labour. Brinsmead M. **Med J Aust** 1987 May 4;146(9):481–6 (55 ref.)

[Relation between the reactivity of placental arteries in vitro to the course of the pregnancy, the delivery and the status of the neonate. II. The effect of combinations of various factors on the reactivity of placental arteries] Jungmannová C, et al. **Cesk Gynekol** 1987 Apr;52(3):187–97 (Eng. Abstr.) **(Cze)**

[Effect of busulfan-treated granulocytic leukemia on pregnancy, labor and the somatic condition of the newborn infant] Szmigiel Z, et al. **Przegl Lek** 1986;43(9):632–4 **(Pol)**

[Comparative evaluation of hormonal and non-drug methods of readying the cervix uteri for labor] Bogdanova TP. **Akush Ginekol (Mosk)** 1987 Apr;(4):12–4 (Eng. Abstr.) **(Rus)**

[Characteristics of the course of pregnancy and labor in women following parlodel treatment of sterility] Ovsiannikova TV, et al. **Akush Ginekol (Mosk)** 1987 Apr; (4):32–5 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Peripheral lymphocyte subpopulations changes during labor. Bălună R, et al. **Physiologie** 1986 Jul–Sep;23(3):203–8

[Study of the natural resistance of parturients by the factor analysis method] Rakhmanova MN, et al. **Akush Ginekol (Mosk)** 1987 Feb;(2):65–7 **(Rus)**

METABOLISM

Vasopressin and oxytocin levels in human neonates. Relationships with the evolution of labour and beta-endorphins. Pochard JL, et al. **Acta Paediatr Scand** 1986 Sep;75(5):774–8

Changes in cyclic adenosine monophosphate-phosphodiesterase activity in nonpregnant and pregnant human myometrium. Kofinas AD, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):733–8

Prostaglandin E2 release on the fetal and maternal sides of the amnion and chorion-decidua before and after term labor. McCoshen JA, et al. **Am J Obstet Gynecol** 1987 Jan; 156(1):173–8

Progesterone synthesis by human amnion, chorion, and decidua at term. Mitchell BF, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):349–53

Changes in prostaglandin transfer across human fetal membranes obtained after spontaneous labor. Nakla S, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1337–41

Catecholamine concentrations of fetal blood and amniotic fluid during labor. Mitsutani H, et al. **Asia Oceania J Obstet Gynaecol** 1987 Jun;13(2):249–55

Saliva oestriol, oestradiol, oestrone and progesterone levels in pregnancy: spontaneous labour at term is preceded by a rise in the saliva oestriol:progesterone ratio. Darne J, et al. **Br J Obstet Gynaecol** 1987 Mar;94(3):227–35

Vaginal and abdominal delivery increases maternal urinary 6-keto-prostaglandin F1 alpha excretion [letter] Jeremy JY, et al. **Br J Obstet Gynaecol** 1987 Apr;94(4):377–8

Immunohistochemical localization of 6-keto-prostaglandin F1 alpha and prostaglandin E2 in the human umbilical cord before and after labor. Siegel RJ, et al. **Lab Invest** 1987 May;56(5):550–3

Amniotic fluid prostaglandin D2 in spontaneous and augmented labor. Berryman GK, et al. **Life Sci** 1987 Sep 28;41(13):1611–4

Effects of calcium and magnesium intakes and feeding level during the dry period on bone resorption in dairy cows at parturition. Van de Braak AE, et al. **Res Vet Sci** 1987 Jul;43(1):7–12

Influence of a deficient supply of magnesium during the dry period on the rate of calcium mobilisation by dairy cows at parturition. van de Braak AE, et al. **Res Vet Sci** 1987 Jan;42(1):101–8

[Pharmacokinetics of fentanyl administered via peridural route in the woman in labor] Lampl E, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(5):603–7 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Location of placenta and clinical course of labour. Davydov SN, et al. **Acta Chir Hung** 1987;28(1):3–8

Incidence of seizures during pregnancy, labor and puerperium in epileptic women: a prospective study. Bardy AH. **Acta Neurol Scand** 1987 May;75(5):356–60

Double-lined nomogram of cervical dilatation in Chinese primigravidas. Chen HF, et al. **Acta Obstet Gynecol Scand** 1986;65(6):573–5

Influence of pelvic outlet capacity on labor. A prospective pelvimetry study of 1,429 unselected primiparas. Floberg J, et al. **Acta Obstet Gynecol Scand** 1987;66(2):121–6

Application of fiberoptics to the clinical measurement of intra-uterine pressure in labor. Svenningsen L, et al. **Acta Obstet Gynecol Scand** 1986;65(6):551–5

The normal parturient's admission temperature. Acker DB, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):308–11

Uterine and umbilical artery velocimetry during normal labor. Fleischer A, et al. **Am J Obstet Gynecol** 1987 Jul; 157(1):40–3

Electromyographic observations on the human cervix during labor. Pajntar M, et al. **Am J Obstet Gynecol** 1987 Mar; 156(3):691–7

Noninvasive measurement of gastric emptying in obstetric patients. O'Sullivan GM, et al. **Anesth Analg** 1987 Jun; 66(6):505–11

Psychobiology of rat maternal behavior: how and where hormones act to promote maternal behavior at parturition. Fleming A. **Ann NY Acad Sci** 1986;474:234–51 (60 ref.)

Collagen degradation in the pregnant human cervix at term and after prostaglandin-induced cervical ripening. Rath W, et al. **Arch Gynecol** 1987;240(3):177–84

A randomized control study of oxytocin augmentation of labour. 1. Obstetric outcome. Bidgood KA, et al. **Br J Obstet Gynaecol** 1987 Jun;94(6):512–7

A randomized control study of oxytocin augmentation of labour. 2. Uterine activity. Bidgood KA, et al. **Br J Obstet Gynaecol** 1987 Jun;94(6):518–22

Estimating the probability of spontaneous delivery conditional on the time spent in the second stage [letter] Page IJ. **Br J Obstet Gynaecol** 1987 Mar;94(3):279–81

Inhibition of release of neurohypophysial hormones by endogenous opioid peptides in pregnant and parturient rats. Hartman RD, et al. **Brain Res** 1986 Sep 24;382(2):352–9

Clinical experimental considerations on the presence of set uterine pacemakers. Boemi P, et al. **Clin Exp Obstet Gynecol** 1987;14(1):23–32

Labor and delivery in the patient with structural cardiac disease. Clark SL. **Clin Perinatol** 1986 Dec;13(4):695–703 (21 ref.)

Pressure in the hydrocephalic fetal head during the first stage of labor. Eskes TK, et al. **Eur J Obstet Gynecol Reprod Biol** 1975;4(5):171–6

Evaluation of fetal heart rate in relation to the intrauterine 20 mm Hg level. Wladimiroff JW, et al. **Eur J Obstet Gynecol Reprod Biol** 1975;5(5):263–72

The relationship between uterine contractions, fetal movements and fetal heart rate patterns in the active phase of labor. Zimmer EZ, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jun;25(2):89–95

Pelvic neurectomy abolishes the fetus-expulsion reflex and induces dystocia in the rat. Higuchi T, et al. **Exp Neurol** 1987 May;96(2):443–55

Reproductive rates, birth weight, calving ease and 24-h calf survival in a four-breed diallel among Simmental, Limousin, Polled Hereford and Brahman beef cattle. Comerford JW, et al. **J Anim Sci** 1987 Jan;64(1):65–76

Effect of sire of fetus on subsequent 90-day production of the Holstein dam. Hayes JF, et al. **J Dairy Sci** 1985 May; 68(5):1286–9

Relaxin acts centrally to inhibit oxytocin release during parturition: an effect that is reversed by naloxone. Jones

SA, et al. **J Endocrinol** 1986 Oct;111(1):99–102

A descriptive analysis of involuntary bearing-down efforts during the expulsive phase of labor. Roberts JE, et al. **J Obstet Gynecol Neonatal Nurs** 1987 Jan–Feb;16(1):48–55

The value of vaginal cytology in prediction of labour with special reference to eosinophilic and karyopyknotic indices. Pandit AA, et al. **J Postgrad Med** 1986 Oct;32(4):210–3

Breast pump stimulation to promote labor. Young JT, et al. **MCN** 1987 Mar–Apr;12(2):124–6

Effect of amniotic membrane rupture on length of labor. Rosen MG, et al. **Obstet Gynecol** 1987 Oct;70(4):604–7

Parturition. Challis JR, et al. **Oxf Rev Reprod Biol** 1986; 8:61–129 (80 ref.)

Scanning electron microscopy of the wall of the ovine cervix uteri in relation to tensile strength at parturition. Owiny JR, et al. **Res Vet Sci** 1987 Jul;43(1):36–43

The initiation of labor in women: regulation of phospholipid and arachidonic acid metabolism and of prostaglandin production. Casey ML, et al. **Semin Perinatol** 1986 Oct; 10(4):270–5

[Pregnancy and delivery after kidney transplantation. A case report and review] Wang SR. **Chung Hua Fu Chan Ko Tsa Chih** 1986 May;21(3):142–4, 191 (Eng. Abstr.) **(Chi)**

[Position and delivery] Bouchetara K, et al. **Rev Fr Gynecol Obstet** 1987 Mar;82(3):205–7 (Eng. Abstr.) **(Fre)**

[Anatomical and physiological bases of labor onset] Geschickt G, et al. **Rev Fr Gynecol Obstet** 1986 Oct; 81(10):511–6 (17 ref.) (Eng. Abstr.) **(Fre)**

[Endocrinology in pregnancy] Göretzlehner G. **Zentralbl Gynakol** 1987;109(2):73–87 (Eng. Abstr.) **(Ger)**

[Childbirth in adolescents] Perolo FL, et al. **Minerva Ginecol** 1986 Oct;38(10):803–6 (Eng. Abstr.) **(Ita)**

[A video-sensor system for predicting the time of parturition in the chimpanzee] Kumazaki K, et al. **Jikken Dobutsu** 1986 Jul;35(3):339–44 (Eng. Abstr.) **(Jpn)**

[Computer-assisted analysis of the condition of the fetal heart and uterine contractions during labor using the Natalia computer] Czekanowski R, et al. **Ginekol Pol** 1987 Feb; 58(2):108–12 (Eng. Abstr.) **(Pol)**

[Course of labor conducted under continuous epidural anesthesia] Wilczyński A, et al. **Ginekol Pol** 1986 Dec; 57(12):792–6 (Eng. Abstr.) **(Pol)**

[Amnion rupture in the light of studies on its mechanical properties] Gejdel E. **Przegl Lek** 1987;44(2):258–60 (Eng. Abstr.) **(Pol)**

[The course of labor in women after psychopreventive prenatal care] Lepecka-Klusek C, et al. **Wiad Lek** 1986 Sep 1;39(17):1164–8 (Eng. Abstr.) **(Pol)**

[Characteristics of the autonomic tonus of pregnant women on the eve of physiological labor and labor complicated by uncoordinated uterine contractile activity] Gazazian MG. **Akush Ginekol (Mosk)** 1987 Apr;(4):9–12 (Eng. Abstr.) **(Rus)**

[Hemodynamics during labor in women with artificial heart valves] Kuz'menko ZP, et al. **Akush Ginekol (Mosk)** 1987 Apr;(4):62–3 **(Rus)**

[Damage to the smooth muscle cells of the uterus of women in labor] Tsirkin VI, et al. **Akush Ginekol (Mosk)** 1986 Dec; (12):25–8 (Eng. Abstr.) **(Rus)**

[Utero-placental circulatory changes during labor] Clavero Núñez JA. **An R Acad Nac Med (Madr)** 1986;103(4):571–93 **(Spa)**

PSYCHOLOGY

The hospital inpatient stay: the experience of first-time parents. Moss P, et al. **Child Care Health Dev** 1987 May–Jun;13(3):153–67

Husbands' attendance during labour: attitudes and incidence. Buckley D, et al. **Ir Med J** 1987 Mar;80(3):93–5

The experience of touch received during labor. Postpartum perceptions of therapeutic value. Birch ER. **J Nurse Midwifery** 1986 Nov–Dec;31(6):270–6

Partner support and the use of coping techniques in labour. Copstick SM, et al. **J Psychosom Res** 1986;30(4):497–503

Helping mothers integrate the birth experience. Konrad CJ. **MCN** 1987 Jul–Aug;12(4):268–9

[Prepartum expectations, behavior in labor and the puerperium and postpartum satisfaction with the birth experience. II. Rooming-in and breast feeding] Ringler M, et al. **Geburtshilfe Frauenheilkd** 1986 Aug;46(8):541–4 (Eng. Abstr.) **(Ger)**

[Prepartal expectations, behavior in labor and the puerperium and postpartal satisfaction with the labor experience. I. Significance of partner and prenatal preparation] Ringler M, et al. **Geburtshilfe Frauenheilkd** 1986 Jul;46(7):432–4 (Eng. Abstr.) **(Ger)**

[Research on the psychological view of maternity in women in the puerperium] Paradiso S, et al. **Minerva Med** 1986 Dec 30;77(51–52):2349–58 (Eng. Abstr.) **(Ita)**

[Behavior of parturients and the duration of labor] Lepecka-Klusek C, et al. **Ginekol Pol** 1987 Feb;58(2):103–7 (Eng. Abstr.) **(Pol)**

[Effect of psychophysical training on the behavior of women during labor] Lepecka-Klusek C, et al. **Przegl Lek** 1987; 44(3):319–21 (Eng. Abstr.) **(Pol)**

URINE

Vaginal and abdominal delivery increases maternal urinary 6-keto-prostaglandin F1 alpha excretion. Ylikorkala O, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):950–4

LABOR COMPLICATIONS

Paraplegia and quadriplegia: special considerations during pregnancy and labor and delivery. Greenspoon JS, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):738–41

Neonatal seizures after cesarean delivery: higher risk with labor. Spellacy WN, et al. **Am J Obstet Gynecol** 1987 Aug; 157(2):377–9

The management of labour using continuous lumbar epidural analgesia in a patient with a malignant cerebral tumour. Goroszeniuk T, et al. **Anaesthesia** 1986 Nov;41(11):1128–9

Cord prolapse—can we save more babies? Case reports. Driscoll JA, et al. **Br J Obstet Gynaecol** 1987 Jun; 94(6):594–5

Postpartum haemorrhage—a continuing problem. Gilbert L, et al. **Br J Obstet Gynaecol** 1987 Jan;94(1):67–71

Prophylaxis against Mendelson's syndrome. **Drug Ther Bull** 1986 Apr 21;24(8):31–2

Vesicovaginal fistula from obstructed labour presenting as gas-filled bladder. Verkuyl DA. **Trop Doct** 1987 Jul; 17(3):142–3

[Umbilical cord prolapse—still a serious labor complication] Subrt K. **Cesk Gynekol** 1987 Feb;52(1):48–51 **(Cze)**

[Episiotomy and prevention of complete and complicated tears. A study in 3 European countries] Buekens P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(4):513–7 (Eng. Abstr.) **(Fre)**

[Circular amputation of the uterine cervix, a rare complication of a normal delivery. Apropos of a case] Lusanga-Nkwey. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(7):965–6 (Eng. Abstr.) **(Fre)**

[Involvement of the lumbosacral trunk during delivery (letter)] Kunnert JE, et al. **Presse Med** 1987 Feb 28; 16(7):355 **(Fre)**

[Delivery in women with heart valve prostheses. Apropos of 12 cases] Mahmoud K, et al. **Tunis Med** 1986 Nov; 64(11):935–8 (Eng. Abstr.) **(Fre)**

[Disorders of reproductive function in women after labor complicated by massive hemorrhage] Miasnikova GP. **Akush Ginekol (Mosk)** 1986 Oct;(10):29–32 (Eng. Abstr.) **(Rus)**

[Scoring of risk factors in pregnancy, labor and in the early neonatal period] Mikulandra F, et al. **Jugosl Ginekol Perinatol** 1986 Jan–Apr;26(1–2):15–21 (Eng. Abstr.) **(Ser)**

[Anterior cystomeningocele in the mother as a cause of obstruction in labor] Gavorník E, et al. **Cesk Gynekol** 1986 Nov;51(9):744–5 **(Slo)**

[A prospective and follow-up study of the health status of children. The course of labor in borderline measurement of the pelvic outlet] Floberg J, et al. **Lakartidningen** 1987 Jun 10;84(24):2108–11 **(Swe)**

BLOOD

Acute renal failure in obstetric complications. Stratta P, et al. **Biol Res Pregnancy Perinatol** 1986;7(3):113–7

The relation between the need for intubation at birth, abnormal cardiotocograms in labour and cord artery blood gas and pH values. Lissauer TJ, et al. **Br J Obstet Gynaecol** 1986 Oct;93(10):1060–6

[A study of intrapartum and postpartum bleeding based on changes in blood coagulation and fibrinolysis during pregnancy] Fuse Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Mar; 39(3):405–10 (Eng. Abstr.) **(Jpn)**

[State of the kallikrein-kinin system in prolonged pregnancy and delayed labor] Kheifets SN, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):28–30 (Eng. Abstr.) **(Rus)**

[Function of the anticoagulating system of parturients with obstetrical of blood loss of moderate severity] Kudriashov BA, et al. **Biol Nauki** 1986;(10):52–6 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Severe hypertensive reaction after naloxone injection during labor. Schoenfeld A, et al. **Arch Gynecol** 1987;240(1):45–7

[Course of pregnancy and labor following cytostatic treatment of trophoblastic tumors] Richter P, et al. **Zentralbl Gynakol** 1987;109(9):586–9 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Low-back pain during labor. Melzack R, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):901–5

Fetal macrosomia: demographic analysis and perinatal performance in a Chinese population. Li DF, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec;12(4):569–73

Intrapartum hysteroscopy. Petrikovsky B. **Aust NZ J Obstet Gynaecol** 1986 Nov;26(4):249–50

Torsion of the gravid uterus. Steigrad SJ. **Aust NZ J Obstet Gynaecol** 1987 Feb;27(1):66–8

Vasa praevia—report of three cases and review of literature. Dougall A, et al. **Br J Obstet Gynaecol** 1987 Jul;94(7):712–5

The clinical significance of meconium stained liquor during the first stage of labour—a retrospective study of 114 patients admitted to Harare Maternity Hospital as compared to a control group. Kimbie FW. **Cent Afr J Med** 1986 Apr;32(4):91–4

Birth stress and lateral preferences. Nachshon I, et al. **Cortex** 1987 Mar;23(1):45–58

Intrapartum fetal heart rate monitoring in a combined low- and high-risk population: a controlled clinical trial. Neldam S, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Oct; 23(1–2):1–11

False labor. Schauberger CW. **Obstet Gynecol** 1986 Dec; 68(6):770–2

[Misleading symptoms of cerebral thrombophlebitis in pregnancy and the puerperium] Ruel M, et al. **Presse Med** 1986 Sep 13;15(29):1367–8 (Eng. Abstr.) **(Fre)**

[Sonographic evaluation of the quantity of amniotic fluid. II. Oligohydramnios—significance for the course of pregnancy and labor] Rabe D, et al. **Geburtshilfe Frauenheilkd** 1986 Jul;46(7):422–6 (Eng. Abstr.) **(Ger)**

[Amniotic fluid embolism caused by uterine rupture with severe coagulopathy] Dalicho FH, et al. **Zentralbl Gynakol** 1987;109(6):378–82 (Eng. Abstr.) **(Ger)**

[Air embolism in labor] Drača P. **Zentralbl Gynakol** 1986; 108(24):1521–5 (Eng. Abstr.) **(Ger)**

[Spinal cord injury. An underdiagnosed complication of delivery?] Stensvold K, et al. **Tidsskr Nor Laegeforen** 1987 Feb 10;107(4):369–70 (Eng. Abstr.) **(Nor)**

DRUG THERAPY

Chlorhexidine for prevention of neonatal colonization with group B streptococci. IV. Depressed puerperal carriage following vaginal washing with chlorhexidine during labour. Dykes AK, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Apr;24(4):293–7

Analgesic efficacy of paracetamol/codeine and paracetamol/dextropropoxyphene in pain after episiotomy and ruptures in connection with childbirth. Jacobson J, et al. **J Int Med Res** 1987 Mar–Apr;15(2):89–95

[Modified method for detachment of an inseparable placenta] Popov I, et al. **Akush Ginekol (Sofiia)** 1987;26(3):20–3 (Eng. Abstr.) **(Bul)**

[The use of sintropium bromide, a new spasmolytic, in obstetrics and gynecology] Maritati V, et al. **Minerva Ginecol** 1986 Nov;38(11):965–9 (Eng. Abstr.) **(Ita)**

[Active management of labor. Restimulation with oxytocin in slow progress of labor] Fossen D, et al. **Tidsskr Nor Laegeforen** 1987 Mar 20;107(8):724–6 (Eng. Abstr.) **(Nor)**

[Effect of injections of parturients with trental on the transfer of exogenous glucose to the fetus] Kucheriavenko AN. **Akush Ginekol (Mosk)** 1987 Feb;(2):63 **(Rus)**

ETIOLOGY

Obstetric complications in diabetic pregnancy. Lunell NO. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:117–21 (25 ref.)

Short stature in Scandinavian women. An obstetrical risk factor. Kappel B, et al. **Acta Obstet Gynecol Scand** 1987; 66(2):153–8

Birth weight, Apgar scores, labor and delivery complications and prenatal characteristics of Southeast Asian adolescents and older mothers. Swenson I, et al. **Adolescence** 1986 Fall; 21(83):711–22

Obstetric outcome of patients with a previous episode of spurious labor. Arulkumaran S, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):17–20

Risk of vaginal delivery after a prior cesarean section [letter] Catanzarite VA. **Am J Obstet Gynecol** 1987 Jul;157(1):213

Obstructed labour due to vesical calculus [letter] Vanderputte S. **Ann Soc Belg Med Trop** 1986 Sep;66(3):289

Obstetric performance of elderly primiparae. Ho PC, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec;12(4):499–504

Fetal distress during labour in diabetic pregnancy. Olofsson P, et al. **Br J Obstet Gynaecol** 1986 Oct;93(10):1067–71

Advanced papillary adenocarcinoma of unknown origin as tumor previa during late pregnancy. Levin S, et al. **Int J Gynaecol Obstet** 1987 Aug;25(4):337–40

Localized fibrous mesothelioma in the postpartum period. Rosenthal TC. **J Fam Pract** 1987 Aug;25(2):174–5

Labour after caesarean section—the problem of scar dehiscence. Davey MR, et al. **S Afr Med J** 1987 Jun 20; 71(12):766–8

Adolescent obstetrics. Schauberger C. **Semin Adolesc Med** 1986 Sep;2(3):197–205

Maternal obesity and pregnancy. Johnson SR, et al. **Surg Gynecol Obstet** 1987 May;164(5):431–7

Rupture of uterus and bladder in vaginal delivery following previous caesarean section. Mullings AM, et al. **West Indian Med J** 1987 Mar;36(1):51–3

[Postpartum myocardial infarction with normal coronary arteries. Apropos of a case] Iung B, et al. **Arch Mal Coeur** 1986 Dec;79(13):1951–5 (Eng. Abstr.) **(Fre)**

[Smoking in pregnancy] Endler M, et al. **Geburtshilfe Frauenheilkd** 1986 Oct;46(10):721–4 (Eng. Abstr.) **(Ger)**

[Complicated pregnancy course following kidney transplantation] Panagiotopoulos A, et al. **Geburtshilfe Frauenheilkd** 1986 Oct;46(10):752–3 (Eng. Abstr.) **(Ger)**

[Trends in legal decisions in obstetrics] Penning R, et al. **Geburtshilfe Frauenheilkd** 1987 Jan;47(1):1–7 (Eng. Abstr.) **(Ger)**

[Pregnancy anamnesis and delivery in females with abnormalities of the internal genitalia] Pusch H, et al. **Geburtshilfe Frauenheilkd** 1986 Oct;46(10):725–8 (Eng. Abstr.) (Ger)

[Pregnancy and labor in 12 to 14-year-old girls] Vytiska-Binstorfer E, et al. **Klin Padiatr** 1987 Jan-Feb; 199(1):48–51 (Eng. Abstr.) (Ger)

[Course of pregnancy following retraction or denial of abortion petitions] Quiel V. **Z Arztl Fortbild (Jena)** 1987; 81(5):227–9 (Ger)

[The course of labor in very young and older pregnant patients] de Gregorio G, et al. **Z Geburtshilfe Perinatol** 1987 Mar-Apr;191(2):60–3 (Eng. Abstr.) (Ger)

[Retroperitoneal ganglioneuroma as a cause of obstructed labor] Kamin G, et al. **Zentralbl Gynakol** 1986; 108(16):1003–5 (Eng. Abstr.) (Ger)

[Partial avulsion of the lesser trochanter of the femur during labor in a woman actively participating in sports] Elwart A, et al. **Wiad Lek** 1986 Sep 15;39(18):1266–9 (Eng. Abstr.) (Pol)

[Our understanding of the evolution of the contracted pelvis] Chernukha EA, et al. **Akush Ginekol (Mosk)** 1986 Dec; (12):3–6 (68 ref.) (Rus)

[Hyperprolactinemic ovarian insufficiency in women experiencing massive blood loss during labor] Potin VV, et al. **Akush Ginekol (Mosk)** 1986 Oct;(10):26–9 (Rus)

[Pregnancy and labor after reconstructive and plastic operations on the uterus and adnexa uteri] Samollov AR, et al. **Akush Ginekol (Mosk)** 1986 Sep;(9):19–21 (Eng. Abstr.) (Rus)

[Methodological approaches to the complex assessment of cause and effect relations in hygiene work] Agaev FB. **Gig Sanit** 1986 Dec;(12):66–7 (Rus)

[Influence of the time of diagnosis on perinatal complications of gestational diabetes] Micaló T, et al. **Med Clin (Barc)** 1987 Jun 27;89(5):180–3 (Eng. Abstr.) (Spa)

[Uterine inversion: a 20-year review] Sepúlveda W, et al. **Rev Chil Obstet Ginecol** 1985;50(4):294–8 (Eng. Abstr.) (Spa)

MORTALITY

Maternal death in New Jersey--1983. Hansen GF, et al. **NJ Med** 1985 Nov;82(11):871–3

[Perinatal medical possibilities and limitations of the obstetrical center--an analysis of the causes of perinatal mortality 1982–1985] Hillemanns HG, et al. **Z Geburtshilfe Perinatol** 1986 Sep-Oct;190(5):215–9 (Eng. Abstr.) (Ger)

OCCURRENCE

The grand multipara--maternal and neonatal complications. Tanbo TG, et al. **Acta Obstet Gynecol Scand** 1987; 66(1):53–6

Pregnancy outcome in medically complicated and uncomplicated patients aged 40 years or older. Lehmann DK, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):738–42

Indication and outcome of forceps deliveries in Lagos: a study of 553 cases. Giwa-Osagie OF, et al. **Asia Oceania J Obstet Gynaecol** 1987 Mar;13(1):59–63

Unexpected problems in patients selected for birthing unit delivery. Permezel JM, et al. **Aust NZ J Obstet Gynaecol** 1987 Feb;27(1):21–3

Ruptured uterus in pregnancy: a Canadian hospital's experience. Fedorkow DM, et al. **Can Med Assoc J** 1987 Jul 1;137(1):27–9

The unborn and the newborn child. Present obstetric risk grouping fails to predict complicated labour and neonatal morbidity. Holst K. **Dan Med Bull** 1987 Jun;34(3):173–7

[Late toxemias of pregnancy (pre-eclampsia) in teenagers. II. Course of labor and fate of the newborn child] Katsulov A, et al. **Akush Ginekol (Sofiia)** 1986;25(5):25–9 (Eng. Abstr.) (Bul)

[Health conditions among pregnant women] Røssaak E, et al. **Tidsskr Nor Laegeforen** 1987 Jun 20;107(17–18):1578–9 (Eng. Abstr.) (Nor)

PATHOLOGY

[Hemorrhagic delivery in a full-term abdominal pregnancy with a live infant] Jacob F, et al. **Ann Fr Anesth Reanim** 1986;5(4):450–2 (Eng. Abstr.) (Fre)

[Desmoid tumor in a cesarean section scar as a labor complication in subsequent pregnancy] Brezinka C, et al. **Geburtshilfe Frauenheilkd** 1986 Dec;46(12):908–9 (Eng. Abstr.) (Ger)

[The course of pregnancy and labor in young females with reference to morphometric studies of the placenta] Estel C, et al. **Z Arztl Fortbild (Jena)** 1986;80(20):853–5 (Ger)

[Mediastinal emphysema in labor] Krivikhin VT, et al. **Sov Med** 1986;(8):119–20 (Rus)

PHYSIOPATHOLOGY

Double-lined nomogram of cervical dilatation in Chinese primigravidas. Chen HF, et al. **Acta Obstet Gynecol Scand** 1986;65(6):573–5

Effect of epidural analgesia on maximum and minimum blood pressures during the first stage of labour in primigravidae with mild/moderate gestational hypertension [letter] Page LJ, et al. **Br J Obstet Gynaecol** 1986 Oct;93(10):1115–7

Status epilepticus during labor. A case report. Goetting MG, et al. **J Reprod Med** 1987 Apr;32(4):313–4

[Use of central hemodynamic indices for assessing the degree of severity of nephropathy in labor] Kastrubin EM, et al. **Akush Ginekol (Mosk)** 1987 Apr;(4):37–9 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

Cephalocentesis. Guidance with an endovaginal probe and endovaginal needle placement. Chayen B, et al. **J Ultrasound Med** 1987 Apr;6(4):221–3

[Preventive cesarean section] Stoll W. **Fortschr Med** 1986 Nov 6;104(41):767–70 (Eng. Abstr.) (Ger)

[Prevention of hemorrhages in the placental and early puerperal periods by the technic of synchronous cardiac massage] Radionchenko AA, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):43–6 (Eng. Abstr.) (Rus)

PSYCHOLOGY

Sensory-affective relationships among different types of clinical and experimental pain. Price DD, et al. **Pain** 1987 Mar;28(3):297–307

Stress, anxiety, and birth outcomes: a critical review of the evidence. Istvan J. **Psychol Bull** 1986 Nov;100(3):331–48

[Generalized anxiety disorder in labor] Gasparini M, et al. **Minerva Ginecol** 1987 Mar;39(3):141–4 (Eng. Abstr.) (Ita)

RADIOGRAPHY

[Thrombosis of the right ovarian vein (letter)] Faller JP, et al. **Presse Med** 1986 Sep 13;15(29):1374 (Fre)

SURGERY

The significance of increasing caesarean section rates. Kennedy R, et al. **Br J Hosp Med** 1986 Nov;36(5):336–41

Symphysiotomy for vaginal breech delivery: two case reports. Spencer JA. **Br J Obstet Gynaecol** 1987 Jul; 94(7):716–8

Obstetric hysterectomy [editorial] **Lancet** 1986 Oct 25; 2(8513):958

Technique of caesarean section. Driessen F. **Trop Doct** 1987 Jan;17(1):30–4

Hysterectomy in obstetrics: a comparative study. Ramsewak S, et al. **West Indian Med J** 1986 Sep;35(3):163–5

[Suprapubic transrectal incision for carrying out obstetrical and gynecological surgery. Analysis of 1,545 published cases] Mouchel J. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(7):959–64 (Eng. Abstr.) (Fre)

[Preventive use of antibiotics in gynecology and obstetrics] Hirsch HA. **Arch Gynecol** 1986;239(3–4):144–8 (Ger)

[Cesarean section for rare indications] Baars F, et al. **Z Arztl Fortbild (Jena)** 1987;81(11):549 (Ger)

[Significance of surgical technics in the prevention of infectious complications following cesarean section] Klug PW, et al. **Zentralbl Gynakol** 1986;108(17):1046–52 (Eng. Abstr.) (Ger)

[Perioperative chemoprevention with metronidazole in cesarean section] Rösler EM, et al. **Zentralbl Gynakol** 1986; 108(17):1066–9 (Eng. Abstr.) (Ger)

[Clinical experiences with a single layer uterine suture in cesarean section] Winkler M, et al. **Zentralbl Gynakol** 1986; 108(17):1039–45 (Eng. Abstr.) (Ger)

[Rational methods of dissecting and suturing the perineum in labor] Anan'ev VA. **Akush Ginekol (Mosk)** 1987 Apr; (4):35–7 (Eng. Abstr.) (Rus)

THERAPY

Epidural anaesthesia in the presence of a cerebral tumour [letter] **Anaesthesia** 1987 Apr;42(4):433–4

Fear of failure: a place for the trial of instrumental delivery. Lowe B. **Br J Obstet Gynaecol** 1987 Jan;94(1):60–6

Fetal and maternal effects of forceps and vacuum extraction. Punnonen R, et al. **Br J Obstet Gynaecol** 1986 Nov; 93(11):1132–5

Rupture of the gravid uterus. Lao TT, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jul;25(3):175–80

Obstetrical policy during labor and perinatal results: a comparison between two university clinics. Steegers EA, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Nov; 23(3–4):225–31

Neonatal outcome as a measure of obstetrical care. Cushman SJ, et al. **Minn Med** 1987 Jul;70(7):391–4

Early and late discharge after hospital birth. A comparative study of parental background characteristics. Waldenström U, et al. **Scand J Soc Med** 1987;15(3):159–67

[Peridural anesthesia with procaine and fentanyl in a parturient with acute intermittent porphyria] Joyau M, et al. **Ann Fr Anesth Reanim** 1986;5(4):453–5 (Eng. Abstr.) (Fre)

[Version by internal maneuvers: alternative to cesarean section under precarious conditions. The experience of the University Clinic of Gynecology and Obstetrics] Perrin R, et al. **Rev Fr Gynecol Obstet** 1987 Apr;82(4):247–50 (Eng. Abstr.) (Fre)

[Conservative procedures in 64 pregnant patients with myoma: the course of pregnancy, labor, and the puerperium] Döring GK, et al. **Geburtshilfe Frauenheilkd** 1987 Jan;47(1):26–9 (Eng. Abstr.) (Ger)

[Thoughts on findings for decision-making in gynecology and obstetrics] Kürzl R. **Geburtshilfe Frauenheilkd** 1986 Sep;46(9):660–4 (Ger)

[Pregnancy, labor and the puerperium in paraplegic patients] Rageth JC, et al. **Geburtshilfe Frauenheilkd** 1986 Aug; 46(8):536–40 (Eng. Abstr.) (Ger)

[Twin pregnancy and labor only at a hospital center?] von Rechenberg KN. **Geburtshilfe Frauenheilkd** 1986 Oct; 46(10):715–20 (Eng. Abstr.) (Ger)

[External version from breech position to head presentation near term] Keitscher KD, et al. **Zentralbl Gynakol** 1987; 109(3):173–80 (Eng. Abstr.) (Ger)

[Current methods of therapy of fatigue during labor] Abubakirova AM, et al. **Akush Ginekol (Mosk)** 1987 Apr; (4):67–70 (Rus)

VETERINARY

Birth injury in a flock of polled Dorset ewes. Wilsmore AJ. **Br Vet J** 1986 May-Jun;142(3):233–8

[Heifer, parturition at a standstill] **Tijdschr Diergeneeskd** 1987 Jan 15;112(2):108–10 (Dut)

[Continuing eco-pathological survey: 10. Variation of pathological frequency in dairy cow stock as a function of season, year and number of lactations] Faye B, et al. **Ann Rech Vet** 1986;17(3):233–46 (Eng. Abstr.) (Fre)

[Urinary bladder displacement (lateroflexio vesicae urinariae) in the sow] Heinritzi K, et al. **Tierarztl Prax** 1987; 15(2):145–7 (Eng. Abstr.) (Ger)

LABOR, INDUCED

see related

CYTOTOCICS

Termination of normal and pathological pregnancy with Sulprostone. Fischer Z, et al. **Acta Chir Hung** 1986; 27(3):151–6

Prostaglandin gel for cervical ripening before induction of labour. Halle H. **Acta Chir Hung** 1987;28(1):31–4

Elective induction of labour in the obstetrical practice. Lampé LG. **Acta Chir Hung** 1986;27(3):143–9

Buccal and oral drugs: induction of labour. Mehta AC. **Acta Chir Hung** 1986;27(3):157–63

Induction of labor with intravenous oxytocin or vaginal PGE2 suppositories. A randomized study. Ekman G, et al. **Acta Obstet Gynecol Scand** 1986;65(8):857–9

Oxytocin- or low-dose prostaglandin F2 alpha-infusion for stimulation of labor after primary rupture of membranes. A prospective, randomized trial. Møller M, et al. **Acta Obstet Gynecol Scand** 1987;66(2):103–6

Preinduction cervical softening with endocervical PGE2 gel. A multi-center trial. Noah ML, et al. **Acta Obstet Gynecol Scand** 1987;66(1):3–7

Influence of umbilical vein administration of oxytocin on the third stage of labor: a randomized, double-blind, placebo-controlled study. Chestnut DH, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):160–2

Plasma prostaglandin metabolite levels after use of prostaglandin E2 gel for cervical ripening. O'Brien WF, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1037–40

Predictors of vaginal delivery in patients with a previous cesarean section, who require oxytocin. Silver RK, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):57–60

Hormones and cervical ripening: dehydroepiandrosterone sulfate, estradiol, estriol, and progesterone. Zuidema LJ, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1252–4

A randomized trial of induction at 42 weeks gestation versus expectant management for postdates pregnancies. Witter FR, et al. **Am J Perinatol** 1987 Jul;4(3):206–11

The effect of pericervical PGE2 instillation on levels of maternal serum 13,14-dihydro-15-keto-PGF2 alpha and progesterone. Grünberger W, et al. **Arch Gynecol** 1986; 239(2):93–9

Closed loop automatic infusion system for induction of labour based on external tocography. Arulkumaran S, et al. **Asia Oceania J Obstet Gynaecol** 1986 Jun;12(2):221–6

Uterine activity in oxytocin induced labour. Arulkumaran S, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec; 12(4):533–40

A randomized control study of oxytocin augmentation of labour. 1. Obstetric outcome. Bidgood KA, et al. **Br J Obstet Gynaecol** 1987 Jun;94(6):512–7

A randomized control study of oxytocin augmentation of labour. 2. Uterine activity. Bidgood KA, et al. **Br J Obstet Gynaecol** 1987 Jun;94(6):518–22

Induction of labour, birthweight and perinatal mortality by day of the week. Dowding VM, et al. **Br J Obstet Gynaecol** 1987 May;94(5):413–9

Randomised comparison of early versus late induction of labour in post-term pregnancy. Augensen K, et al. **Br Med J [Clin Res]** 1987 May 9;294(6581):1192–5

Prolonged pregnancy: the management debate [letter] Dennis KJ. **Br Med J [Clin Res]** 1986 Nov 29;293(6559):1434–5

Early versus late induction of labour in post-term pregnancy [letter] Lennox CE, et al. **Br Med J [Clin Res]** 1987 Jun 27;294(6588):1689

Tissue-specific concentration changes of estrone and estradiol during spontaneous and ACTH-induced parturition in sheep. Power SG, et al. **Can J Physiol Pharmacol** 1987 Feb;65(2):130–5

Intravenous 16-phenoxy PGE2 methylsulfonylamide for induction of labor in cases of fetal death. Gulisano AS, et al. **Clin Exp Obstet Gynecol** 1987;14(2):103–5

Role of the unfavorable cervix in the induction of labor. Schulman H, et al. **Clin Obstet Gynecol** 1987 Mar; 30(1):50–5

Changes in the plasma prostaglandin F2 alpha metabolite before and during spontaneous labor and labor induced by amniotomy, oxytocin and prostaglandin E2. Nagata I, et al. **Endocrinol Jpn** 1987 Apr;34(2):153–9

Intermittent low-dose administration of prostaglandins intraamniotically in pathological pregnancies. A comparison with oxytocin and ergometrine. de Koning Gans HJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1975; 5(6):307–15

Oxytocin induction of labour: hyponatraemia and neonatal jaundice. D'Souza SW, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Sep;22(5–6):309–17

Extraamniotic prostaglandin F2 alpha for intrauterine death and fetal abnormality. Luengo J, et al. **Eur J Obstet Gynecol Reprod Biol** 1977;7(5):325–9

International colloquy on the management of intrauterine fetal death. **Int J Gynaecol Obstet** 1987 Jun;25(3):185–97

Vaginal prostaglandins [letter] Carr CJ. **Ir Med J** 1987 Jun; 80(6):186

The relationship between fetal breathing movements and prostaglandin E2 during ACTH-induced labour in sheep. Patrick J, et al. **J Dev Physiol** 1987 Jun;9(3):287–93

Oxytocin: pharmacology and clinical application. Kruse J. **J Fam Pract** 1986 Nov;23(5):473–9 (34 ref.)

The effect of oral prostaglandin E2 (Prostarmon E) in the induction of labour: comparative study of fixed and incremental dose. Atisook R, et al. **J Med Assoc Thai** 1987 Mar;70(3):107–13

Absence of maternal side effects from prostaglandins used for cervical ripening. Goodlin RC, et al. **J Reprod Med** 1986 Dec;31(12):1095–7

Amniotic fluid prostaglandin D2 in spontaneous and augmented labor. Berryman GK, et al. **Life Sci** 1987 Sep 28;41(13):1611–4

Ripening of the human cervix and induction of labor with intracervical purified porcine relaxin. MacLennan AH, et al. **Obstet Gynecol** 1986 Nov;68(5):598–601

Changes in amniotic fluid prostaglandins with oxytocin-induced labor. Padayachi T, et al. **Obstet Gynecol** 1986 Nov;68(5):610–3

An active management approach to the postdate fetus with a reactive nonstress test and fetal heart rate decelerations. Small ML, et al. **Obstet Gynecol** 1987 Oct;70(4):636–40

Clinical evaluation of endocervical prostaglandin E2-triacetin-gel for preinduction cervical softening in pregnant women at term. Kieback DG, et al. **Prostaglandins** 1986 Jul;32(1):81–5

Conditions of the cervix for the increase of plasma levels of 13,14-dihydro-15-keto-prostaglandin F2 alpha after amniotomy at term. Manabe Y, et al. **Prostaglandins** 1987 May;33(5):757–66

The PGE2 vaginal film: an alternative to conventional induction in multiparae with poor cervical scores. Viegas OA, et al. **Prostaglandins Leukotrienes Med** 1987 Jan; 26(1):1–9

Postmaturity and induction of labour [editorial] Lee NC. **S Afr Med J** 1986 Nov 22;70(11):647

[Comparison between spontaneous and induced labor in cases of suspected large fetuses] Johansen JR, et al. **Ugeskr Laeger** 1987 Apr 20;149(17):1136–8 (Eng. Abstr.) **(Dan)**

[Orientation of the fetal head at the time of engagement in induced labor] Tribalat S, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(7):937–9 (Eng. Abstr.) **(Fre)**

[Induced prematurity] Bloch J, et al. **Rev Fr Gynecol Obstet** 1986 Oct;81(10):529–34 (Eng. Abstr.) **(Fre)**

[Induced labor. Indications and contra-indications] Blum GF, et al. **Rev Fr Gynecol Obstet** 1986 Oct;81(10):537–43 (23 ref.) (Eng. Abstr.) **(Fre)**

[Induced labor: historical view] Muhlstein C, et al. **Rev Fr Gynecol Obstet** 1986 Oct;81(10):507–8 (Eng. Abstr.) **(Fre)**

[Results of 4 years' use of oxytocin and prostaglandins F2 alpha for ripening with postterm indications after the 41st week of amenorrhea] Reich YC, et al. **Rev Fr Gynecol Obstet** 1986 Oct;81(10):525–8 (Eng. Abstr.) **(Fre)**

[Use of a gel of PGF2 alpha for the induction of labor in cases of intrauterine fetal death in the second or third trimester of pregnancy (preliminary study)] Zanini A, et al. **Ann Ostet Ginecol Med Perinat** 1986 Nov–Dec; 107(6):317–22 (Eng. Abstr.) **(Ita)**

[Ripening of the cervix uteri and stimulation of labor with a prostaglandin E2 gel. A comparison of intracervical and intravaginal administration] Okland O, et al. **Tidsskr Nor Laegeforen** 1986 Nov 20;106(32):2728–30, 2745 (Eng. Abstr.) **(Nor)**

[Correlation of the stages of pregnancy and the dynamics of labor induced with prostaglandin F2 alpha] Lembrych S, et al. **Ginekol Pol** 1986 Aug;57(8):549–53 (Eng. Abstr.) **(Pol)**

[Induction of uterine contractions using Enzaprost F administered into the uterine cavity] Marianowski L, et al. **Ginekol Pol** 1986 Sep;57(9):570–2 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

[The course of pregnancy and labor in mothers of newborn infants with neonatal jaundice] Prawecka M, et al. **Pol Tyg Lek** 1987 Mar 2;42(9):250–3 (Eng. Abstr.) **(Pol)**

METHODS

Is priming an unripe cervix with PGF2 alpha effective? Wilken H. **Acta Chir Hung** 1986;27(3):127–30

Induction of labor by intra-cervical PGE2 in viscous gel. Mechanism of action and clinical treatment routines. Wiqvist I, et al. **Acta Obstet Gynecol Scand** 1986; 65(5):485–92

Cervical ripening and labor induction with prostaglandin E2 gel: a placebo-controlled study. Bernstein P, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):336–40

Management of prolonged pregnancy: induction of labor versus antepartum fetal testing. Dyson DC, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):928–34

Clinical utility of multiple-dose administration of prostaglandin E2 gel. Mainprize T, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):341–3

Oxytocin titration to achieve preset active contraction area values does not improve the outcome of induced labour. Arulkumaran S, et al. **Br J Obstet Gynaecol** 1987 Mar; 94(3):242–8

Elective induction of labor conducted under lumbar epidural block. II. Labor induction by amniotomy and intravenous prostaglandin. Thiery M, et al. **Eur J Obstet Gynecol Reprod Biol** 1977;7(3):181–200

Elective induction of labor conducted under lumbar epidural block. I. Labor induction by amniotomy and intravenous oxytocin. Vroman S, et al. **Eur J Obstet Gynecol Reprod Biol** 1977;7(3):159–80

Management of intra-uterine death. Chaudhuri SK. **J Indian Med Assoc** 1987 Apr;85(4):106–8

Uterine hyperstimulation resulting from intravaginal prostaglandin E2. A case report. Chamberlin RO, et al. **J Reprod Med** 1987 Mar;32(3):233–5

Prostaglandin gel for cervical ripening. Glazer G, et al. **MCN** 1987 Jan–Feb;12(1):28–31

Assessment of a new prostaglandin E2 gel in labour induction. Dommisse J, et al. **S Afr Med J** 1987 Apr 18; 71(8):506–7

Induction of labour and termination of pregnancy following intrauterine death with enzaprost. Szabó E, et al. **Ther Hung** 1984;32(4):158–65

[Use of uterine sensitization before labor induction] Katsulov A. **Akush Ginekol (Sofiia)** 1986;25(4):1–8 (47 ref.) (Eng. Abstr.) **(Bul)**

[The methods and clinical analysis of induction of labor] Wu BT. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Sep; 21(5):298–301, 319 (Eng. Abstr.) **(Chi)**

[Preparation of the uterine cervix before induction of labor using the prostaglandin E2 (PGE2) vaginal tablet] Lomičková T, et al. **Cesk Gynekol** 1987 Feb;52(1):18–24 (Eng. Abstr.) **(Cze)**

[The artificial induction of labor. Study of methods] Lutringer G, et al. **Rev Fr Gynecol Obstet** 1986 Oct; 81(10):517–23 (33 ref.) (Eng. Abstr.) **(Fre)**

[Place of automatic oxytocin perfusion devices in the artificial induction of labor] Magnin G, et al. **Rev Fr Gynecol Obstet** 1987 Jan;82(1):31–4 (Eng. Abstr.) **(Fre)**

[Comparison between prostaglandin E2 gel and oxytocin in medically indicated labor induction] Egarter C, et al. **Geburtshilfe Frauenheilkd** 1987 May;47(5):337–40 (Eng. Abstr.) **(Ger)**

[Experiences in 2,149 labor inductions using 3 mg prostaglandin E2 vaginal tablets. A retrospective analysis] Kofler E, et al. **Geburtshilfe Frauenheilkd** 1986 Dec; 46(12):863–8 (Eng. Abstr.) **(Ger)**

[Labor induction by intravaginal administration of prostaglandin E2 tablets] Motter W, et al. **Geburtshilfe Frauenheilkd** 1987 Feb;47(2):113–6 (Eng. Abstr.) **(Ger)**

[Cervix ripening using drugs before oxytocin labor induction. Clinical study of a new prostaglandin E2 triacetin gel] Zahradnik HP, et al. **Geburtshilfe Frauenheilkd** 1987 Mar; 47(3):190–2 (Eng. Abstr.) **(Ger)**

[Labor induction at term: amniotomy versus intravaginal administration of prostaglandin F2 tablets] Motter W, et al. **Wien Klin Wochenschr** 1987 Apr 17;99(8):265–8 (Eng. Abstr.) **(Ger)**

[Uterine activity in induction of labor by vaginal administration of prostaglandin E2 tablets] Egarter C, et al. **Z Geburtshilfe Perinatol** 1986 May–Jun;190(3):129–32 (Eng. Abstr.) **(Ger)**

[Clinical evaluation of newborn infants after labor induced by breast massage] Krasnodebski J, et al. **Ginekol Pol** 1987 Jan;58(1):31–4 (Eng. Abstr.) **(Pol)**

[Comparative evaluation of hormonal and non-drug methods of readying the cervix uteri for labor] Bogdanova TP. **Akush Ginekol (Mosk)** 1987 Apr;(4):12–4 (Eng. Abstr.) **(Rus)**

[Use of a prostaglandin (PGF2 alpha--Prostin 15M) in the induction of labor in fetal death—missed labor] Berić BM, et al. **Med Pregl** 1986;39(3–4):111–3 (Eng. Abstr.) **(Ser)**

[Drug induction and stimulation of labor--practical experience] Maksimović J, et al. **Med Pregl** 1986; 39(11–12):593–7 (Eng. Abstr.) **(Ser)**

UTILIZATION

Induction of labor at Ramathibodi Hospital. O-Prasertsawat P, et al. **J Med Assoc Thai** 1986 Sep;69(9):480–3

VETERINARY

Myometrial activity during natural and dexamethasone-induced parturition in the cow. Burton MJ, et al. **Am J Vet Res** 1987 Jan;48(1):37–44

Oxytocin precipitation of prostaglandin-induced farrowing in swine: determination of the optimal dose of oxytocin and optimal interval between prostaglandin F2 alpha and oxytocin. Dial GD, et al. **Am J Vet Res** 1987 Jun; 48(6):966–70

Investigation into the use of prostaglandin F2 alpha (PGF2 alpha) and oxytocin for the induction of farrowing. Chantaraprateep P, et al. **Aust Vet J** 1986 Aug;63(8):254–6

Retained placenta and plasma prostaglandin F profile after induced parturition in Karan Swiss cattle. Prakash BS, et al. **Br Vet J** 1986 May–Jun;142(3):210–7

Successful induction of labour in sheep. Silver M. **Vet Rec** 1987 Mar 28;120(13):299–300

[Histologic and histochemical study of placentomes in cows after induced labor] Kummer V, et al. **Vet Med (Praha)** 1987 Jan;32(1):9–17 (Eng. Abstr.) **(Cze)**

LABOR ONSET see under **LABOR**

LABOR, PREMATURE

Delivery of premature twins [letter] Mazor M, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):915

Increased boy-to-girl ratio in women with preterm labor beginning with contractions [letter] Seki K, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):215–6

Re: Twin pregnancy: prematurity and perinatal mortality [letter] Fliegner JR. **Aust NZ J Obstet Gynaecol** 1987 Feb; 27(1):76

The predictive value of fetal breathing movements in the outcome of premature labour. Jaschevatzky O, et al. **Br J Obstet Gynaecol** 1986 Dec;93(12):1256–8

Change of serum HPL level in maternal vein, umbilical cord vein and artery in mature and premature labour. Hercz P, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Mar; 24(3):189–93

[Induced prematurity] Bloch J, et al. **Rev Fr Gynecol Obstet** 1986 Oct;81(10):529–34 (Eng. Abstr.) **(Fre)**

BLOOD

Concentrations of progesterone and oestradiol-17 beta after administration of a 3 beta-hydroxysteroid dehydrogenase inhibitor to sheep in late pregnancy. Taylor MJ. **J Endocrinol** 1987 Apr;113(1):97–101

Maternal C-reactive protein and preterm labor. Dodds WG, et al. **J Reprod Med** 1987 Jul;32(7):527–30

[Clinical value of determining C-reactive protein in the maternal serum in pregnancies with threatened premature labor] Winkler M, et al. **Zentralbl Gynakol** 1987; 109(13):854–61 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Cocaine use during pregnancy: adverse perinatal outcome. MacGregor SN, et al. **Am J Obstet Gynecol** 1987 Sep; 157(3):686–90

DIAGNOSIS

The presence or absence of fetal breathing movements as a predictor of outcome in preterm labor. Besinger RE, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):753–7

Major basic protein as a predictor of preterm labor: a preliminary report. Coulam CB, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):790–6

The preterm cervix and preterm labor: relative risks, predictive values, and change over time. Stubbs TM, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):829–34

Increased saliva oestriol to progesterone ratio before preterm delivery: a possible predictor for preterm labor? Darne J, et al. **Br Med J** 1987 Jan 31;294(6567):270–2

Early detection of preterm labor: ambulatory home monitoring of uterine activity. Gill PJ, et al. **J Obstet Gynecol Neonatal Nurs** 1986 Nov–Dec; 15(6):439–42

Subclinical intra-amniotic infection in asymptomatic patients with refractory preterm labor. Duff P, et al. **Obstet Gynecol** 1987 May;69(5):756–9

Detection of preterm labor by ambulatory monitoring of uterine activity: a preliminary report. Katz M, et al. **Obstet Gynecol** 1986 Dec;68(6):773–8

A randomized trial of electronic fetal monitoring in preterm labor. Luthy DA, et al. **Obstet Gynecol** 1987 May; 69(5):687–95

Prospective evaluation of a risk scoring system for predicting preterm delivery in black inner city women. Main DM, et al. **Obstet Gynecol** 1987 Jan;69(1):61–6

Comparison of ultrasonographic and digital cervical evaluation. O'Leary JA, et al. **Obstet Gynecol** 1986 Nov; 68(5):718–9

High levels of serum collagenase in premature labor--a potential biochemical marker. Rajabi M, et al. **Obstet Gynecol** 1987 Feb;69(2):179–86

[Premature labor in gestosis] Ruckhäberle KE, et al. **Zentralbl Gynakol** 1987;109(3):152–6 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

The use of a calcium agonist (nifedipine) to suppress preterm labor [letter] Fraser R. **Br J Obstet Gynaecol** 1987 Mar; 94(3):279

Design of oxytocin antagonists with prolonged action: potential tocolytic agents for the treatment of preterm labor. Chan WY, et al. **J Pharmacol Exp Ther** 1986 Oct; 239(1):84–7

Pulmonary edema as a delayed complication of ritodrine therapy. A case report. Bloss JD, et al. **J Reprod Med** 1987 Jun;32(6):469–71

Ritodrine in the treatment of preterm labor: second Danish multicenter study [letter] Katz M, et al. **Obstet Gynecol** 1987 Feb;69(2):281–3

ETHNOLOGY

Premature uterine contractions and preterm labor: a comparative study of Jewish and Arab populations in Israel. Atad J, et al. **Isr J Med Sci** 1986 Jun;22(6):470–2

ETIOLOGY

Preterm deliveries in twin pregnancies in Oxford. Watson P, et al. **Acta Genet Med Gemellol (Roma)** 1986; 35(3–4):193–9

Occupational working conditions and preterm birth: a reliable scoring system. Mamelle N, et al. **Am J Epidemiol** 1987 Jul;126(1):150–2

Factors responsible for preterm delivery of the immature newborn infant (less than or equal to 1000 gm). Amon E, et al. **Am J Obstet Gynecol** 1987 May;156(5):1143–8

Haemophilus influenzae infection and midtrimester abortion [letter] Amstey MS, et al. **Am J Obstet Gynecol** 1987 Aug; 157(2):518

Causes of low birth weight births in public and private patients. Meis PJ, et al. **Am J Obstet Gynecol** 1987 May; 156(5):1165–8

Acute Haemophilus influenzae chorioamnionitis associated with intact amniotic membranes. Winn HN, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):458–9

Antibacterial activity of amniotic fluid in the early third trimester. Its association with preterm labor and delivery. Nazir MA, et al. **Am J Perinatol** 1987 Jan;4(1):59–62

Ethnic differences in preterm and very preterm delivery. Shiono PH, et al. **Am J Public Health** 1986 Nov; 76(11):1317–21

Health implications of traditional female circumcision in pregnancy. Adetoro OO, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec;12(4):489–92

The aetiology of preterm labour [editorial] Hibbard B. **Br Med J [Clin Res]** 1987 Mar 7;294(6572):594–5

Actinomyces invasion of placenta as a possible cause of preterm delivery. Zakut H, et al. **Clin Exp Obstet Gynecol** 1987;14(2):89–91

Relationship of vaginal pH and Papanicolaou smear results to vaginal flora and pregnancy outcome. Minkoff H, et al. **Int J Gynaecol Obstet** 1987 Feb;25(1):17–23

Herpesvirus hominis (HVH) infection in women with preterm labor. Bujko M, et al. **J Perinat Med** 1986; 14(5):319–24

Chorionic mycoplasmas and prematurity. Zlatnik FJ, et al. **J Reprod Med** 1986 Dec;31(12):1106–8

Independent associations of bacterial vaginosis and Chlamydia trachomatis infection with adverse pregnancy outcome. Gravett MG, et al. **JAMA** 1986 Oct 10; 256(14):1899–903

Does extra-amniotic infection cause preterm labor? Gas-liquid chromatography studies of amniotic fluid in amnionitis, preterm labor, and normal controls. Iams JD, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):365–8

Pregnancy complications among diabetic women: review 1965–1985. Cousins L. **Obstet Gynecol Surv** 1987 Mar; 42(3):140–9 (55 ref.)

Placental abruption and placental hemorrhage: correlation of sonographic findings with fetal outcome. Nyberg DA, et al. **Radiology** 1987 Aug;164(2):357–61

[Studies of obstetric and socioeconomic factors in the origins of prematurity] Rosanelli K, et al. **Wien Med Wochenschr** 1987 Jan 15;137(1):15–20 (Eng. Abstr.) **(Ger)**

[Evaluation of iron-deficiency anemia in pregnancy] Grio R, et al. **Minerva Ginecol** 1986 Nov;38(11):869–71 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

[Status of various physiologic systems of the body during pregnancy in women born prematurely] Nikolaeva GB, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):57–9 **(Rus)**

METABOLISM

Preterm labor: stimulation of arachidonic acid metabolism in human amnion cells by bacterial products. Bennett PR, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):649–55

Pharmacokinetics and metabolism of salbutamol in premature labour. Hutchings MJ, et al. **Br J Clin Pharmacol** 1987 Jul;24(1):69–75

Digoxin-like immunoreactive factor and premature labour [letter] Goodlin RC. **Lancet** 1987 Jan 10;1(8524):102–3

[Amniotic fluid and placentas of women with premature deliveries] Georgiev G, et al. **Akush Ginekol (Sofiia)** 1987; 26(3):10–5 (Eng. Abstr.) **(Bul)**

MICROBIOLOGY

Chorioamnionitis: perinatal morbidity and mortality. Driscoll SG. **Pediatr Infect Dis** 1986 Nov–Dec;5(6 Suppl):S273–5

Possible role of Ureaplasma urealyticum in preterm premature rupture of the fetal membranes. Gravett MG, et al. **Pediatr Infect Dis** 1986 Nov–Dec;5(6 Suppl):S253–7 (32 ref.)

OCCURRENCE

Pregnancy among obstetricians: a comparison of births before, during, and after residency. Grunebaum A, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):79–83

Relationships between some maternal factors and pregnancy outcome. Neyzi O, et al. **Hum Biol** 1987 Jun;59(3):387–98

Premature births among black women [editorial] Behrman RE. **N Engl J Med** 1987 Sep 17;317(12):763–5

Risk factors accounting for racial differences in the rate of premature birth. Lieberman E, et al. **N Engl J Med** 1987 Sep 17;317(12):743–8

[Preliminary study of the risk factors in premature delivery in the Rivas region (Nicaragua)] Vangeenderhuysen C, et al. **Rev Fr Gynecol Obstet** 1987 Mar;82(3):199–203 (Eng. Abstr.) **(Fre)**

[The effect of induced abortion in adolescence on the manifestations of spontaneous abortion, premature labor and birth weight] Peterlin A, et al. **Jugosl Ginekol Perinatol** 1986 May–Aug;26(3–4):49–52 (Eng. Abstr.) **(Scr)**

PATHOLOGY

Morphology of placental villi after premature delivery and its clinical relevance. Schweikhart G, et al. **Arch Gynecol** 1986;239(2):101–14

[Histometric studies of placentones of the human placenta] Schuhmann R, et al. **Z Geburtshilfe Perinatol** 1986 Sep–Oct;190(5):196–203 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

The effect of severing the spinal cord of fetal lambs on length of gestation. Nowak RA, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):464–7

[The course of pregnancy and labor in mothers of newborn infants with neonatal jaundice] Prawecka M, et al. **Pol Tyg Lek** 1987 Mar 2;42(9):250–3 (Eng. Abstr.) **(Pol)**

PREVENTION & CONTROL

Inhibition of premature labour with indomethacin. Halle H. **Acta Chir Hung** 1987;28(1):35–8

Neonatal complications following in utero exposure to intravenous ritodrine. Kazzi NJ, et al. **Acta Obstet Gynecol Scand** 1987;66(1):65–9

The use of magnesium sulfate for tocolysis in preterm labor complicated by twin gestation and betamimetic-induced pulmonary edema. Ogburn PL Jr, et al. **Acta Obstet Gynecol Scand** 1986;65(7):793–4

Preterm labor [letter] Arlen J. **Am J Obstet Gynecol** 1987 Jan;156(1):260

Ritodrine or terbutaline—the optimal dosage in the treatment of preterm labor [letter] Berg G, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):260–1

Use of ritodrine, terbutaline, and magnesium sulfate in preterm labor [letter] Caritis SN. **Am J Obstet Gynecol** 1986 Dec;155(6):1357

Adjunctive magnesium sulfate infusion does not alter metabolic changes associated with ritodrine tocolysis. Ferguson JE 2d, et al. **Am J Obstet Gynecol** 1987 Jan; 156(1):103–7

A randomized trial of ritodrine tocolysis versus expectant management in patients with premature rupture of membranes at 25 to 30 weeks of gestation. Garite TJ, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):388–93

Magnesium sulfate and ritodrine hydrochloride: a randomized comparison. Hollander DI, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):631–7

A prospective random trial of home uterine activity monitoring in pregnancies at increased risk of preterm labor. Iams JD, et al. **Am J Obstet Gynecol** 1987 Sep; 157(3):638–43

Safety of indomethacin tocolysis [letter] Katz M. **Am J Obstet Gynecol** 1987 May;156(5):1358–9

Chronic oral terbutaline tocolytic therapy is associated with maternal glucose intolerance. Main EK, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):644–7

Tocolysis with oral magnesium. Martin RW, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):433–4

Regional program for prevention of premature birth in northwestern North Carolina. Meis PJ, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):550–6

Prevention of preterm birth by ambulatory assessment of uterine activity: a randomized study. Morrison JC, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):536–43

Neonatal outcome after indomethacin treatment for preterm labor. Niebyl JR, et al. **Am J Obstet Gynecol** 1986 Oct; 155(4):747–9

Women's acceptance of a preterm birth prevention program. Papiernik E, et al. **Am J Obstet Gynecol** 1986 Nov; 155(5):939–46

Maternal hypothermia: an unusual complication of magnesium sulfate therapy. Rodis JF, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):435–6

Evaluation of the weekly cervical examination in a preterm birth prevention program. Holbrook RH Jr, et al. **Am J Perinatol** 1987 Jul;4(3):240–4

Mental retardation and developmental disabilities: research, education, and technology transfer. An overview. Yaffe SJ. **Ann NY Acad Sci** 1986;477:1–6

Low birthweight: aetiology and prevention in India. Bhargava SK, et al. **Ann Trop Paediatr** 1987 Mar;7(1):59–65 (39 ref.)

Cardiac failure associated with the use of salbutamol for inhibition of premature labour. Tan SL, et al. **Asia Oceania J Obstet Gynaecol** 1987 Jun;13(2):147–9

Prophylactic long-term oral tocolysis of multiple pregnancies. Gummerus M, et al. **Br J Obstet Gynaecol** 1987 Mar;94(3):249–51

The use of a calcium antagonist (nifedipine) to suppress preterm labour. Read MD, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):933–7

Prevention of preterm labor and premature rupture of the membranes. Gazaway P, et al. **Clin Obstet Gynecol** 1986 Dec;29(4):835–49 (60 ref.)

Life-threatening complications of betamimetic therapy for preterm labor inhibition. Benedetti TJ. **Clin Perinatol** 1986 Dec;13(4):843–52 (34 ref.)

The effect of beta-mimetics on the foetal pre-ejection period. Bekele M. **Ethiop Med J** 1987 Jul;25(3):119–26

Blood pressure regulation in third-trimester pregnant women receiving tocolytic terbutaline infusion. Bremme K, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Oct;23(1–2):53–60

Neonatal respiratory distress syndrome (RDS) in cases of premature labor treated by betamimetic drugs. Cabero L, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Dec; 9(6):375–8

A study of indomethacin combined with ritodrine in threatened preterm labor. Gamissans O, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Jun;8(3):123–8

Comparison of two successive policies of cervical cerclage for the prevention of pre-term birth. Lazar P, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Oct;9(5):307–12

A new administration form of ritodrine. Ritodrine plasma levels with sustained-release capsules in a steady state. Essed GG, et al. **Gynecol Obstet Invest** 1987;23(1):10–5

Patent ductus arteriosus after prolonged treatment with indomethacin during pregnancy: case report. Atad J, et al. **Int J Gynaecol Obstet** 1987 Feb;25(1):73–6

Fetal heart rate changes following external cephalic version under tocolysis near term. Rabinovici J, et al. **Int J Gynaecol Obstet** 1987 Aug;25(4):277–81

Prevention of pre-term labour with progesterone. Suvonnakote T. **J Med Assoc Thai** 1986 Oct;69(10):538–42

Fenoterol depot and fenoterol in premature uterine contractions--a multicentric double-blind comparative study. Müller-Holve W, et al. **J Perinat Med** 1987; 15(1):95–103

Antibiotic elimination of group-B streptococci in urine in prevention of preterm labour. Thomsen AC, et al. **Lancet** 1987 Mar 14;1(8533):591–3

Cervical ripening and preterm labor [letter] Arlen J, et al. **Obstet Gynecol** 1986 Dec;68(6):875–6

Fasting hyperinsulinemic hypoglycemia after ritodrine therapy for premature labor. Caldwell G, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):478–80

Effects of maternal oral salbutamol therapy on neonatal endocrine status at birth. Desgranges MF, et al. **Obstet Gynecol** 1987 Apr;69(4):582–4

Cardiovascular effects of ritodrine tocolysis: a new noninvasive method to measure pulmonary capillary pressure during pregnancy. Hadi HA, et al. **Obstet Gynecol** 1987 Oct;70(4):608–12

Efficacy of combined administration of magnesium sulfate and ritodrine in the treatment of premature labor. Hatjis CG, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):317–22

Maternal perception of prelabor uterine activity. Newman RB, et al. **Obstet Gynecol** 1986 Dec;68(6):765–9

Thermic effects of tocolytic agents: decreased temperature with magnesium sulfate. Parsons MT, et al. **Obstet Gynecol** 1987 Jan;69(1):88–90

Prenatal care adequacy and the outcome of adolescent pregnancy: effects on weight gain, preterm delivery, and birth weight. Scholl TO, et al. **Obstet Gynecol** 1987 Mar; 69(3 Pt 1):312–6

Reduced incidence of hyaline membrane disease in extremely premature infants following delay of delivery in mother with preterm labor: use of ritodrine and betamethasone. Kwong MS, et al. **Pediatrics** 1986 Nov;78(5):767–74

Inhibition of arachidonic acid metabolism in the perinatal period: pharmacology, clinical application, and potential adverse effects. Witter FR, et al. **Semin Perinatol** 1986 Oct; 10(4):316–33

[Dynamic changes in the frequency of uterine contractions during tocolysis with the beta-adrenomimetic Pre-Par with an intact amniotic sac] Ivanov S, et al. **Akush Ginekol (Sofiia)** 1987;26(1):27–30 (Eng. Abstr.) **(Bul)**

[Diazepam, premature labor and the status of the neonate] Pokorný A, et al. **Cesk Gynekol** 1986 Sep;51(8):601–6 (Eng. Abstr.) **(Cze)**

[The side-effects of diazepam administered to the mother at the end of pregnancy on the condition of the neonate] Pokorný A, et al. **Cesk Pediatr** 1986 Aug;41(8):455–8 (Eng. Abstr.) **(Cze)**

[Maternal administration of indomethacin and neonatal

tricuspid insufficiency] Magny JF, et al. **Arch Fr Pediatr** 1987 Mar;44(3):189–90 (Eng. Abstr.) **(Fre)**

[Tocolysis in diabetic patients with magnesium sulfate (letter)] Marechaud R, et al. **Presse Med** 1987 Feb 21; 16(6):313 **(Fre)**

[Which measures are to be taken in the prevention of prematurity in working women?] Mamelle N, et al. **Rev Epidemiol Sante Publique** 1986;34(4–5):286–93 (Eng. Abstr.) **(Fre)**

[Round table: Current aspects of drug therapy in pregnancy and labor exemplified by tocolysis at the clinic and in general practice] **Arch Gynecol** 1986;239(3–4):172–7 **(Ger)**

[Significance of internal tocography and intrapartal tocolysis in the management of labor] Hohlbein A, et al. **Geburtshilfe Frauenheilkd** 1986 Sep;46(9):619–24 (Eng. Abstr.) **(Ger)**

[Treatment and monitoring of patients with signs of premature labor up to the 32d week of pregnancy] Link G, et al. **Gynakologe** 1987 Mar;20(1):20–31 **(Ger)**

[Premature labor before the 34th week of pregnancy: incidence, causes and early detection] Spätling L. **Gynakologe** 1987 Mar;20(1):4–13 **(Ger)**

[Heart function in infants and small children, whose mothers required tocolysis with hexoprenaline sulfate (Gynipral)] Trittenwein G, et al. **Wien Klin Wochenschr** 1986 Sep 26; 98(18):613–7 (Eng. Abstr.) **(Ger)**

[Cerclage in multiple pregnancy] Kölbl H, et al. **Wien Med Wochenschr** 1986 Sep 30;136(18):463–5 (Eng. Abstr.) **(Ger)**

[Inhibition of uterine contraction using theophylline—experimental and clinical studies] Lechner W. **Z Geburtshilfe Perinatol** 1986 Nov–Dec;190(6):261–5 (Eng. Abstr.) **(Ger)**

[Blockade of postsynaptic adrenergic alpha receptors—a new principle for inhibiting uterine contraction] Lechner W. **Z Geburtshilfe Perinatol** 1986 Jul–Aug;190(4):149–54 (Eng. Abstr.) **(Ger)**

[Antepartal cardiotocographic studies in threatened premature labor and intravenous tocolysis] Ruckhäberle KE, et al. **Z Geburtshilfe Perinatol** 1986 May–Jun; 190(3):123–8 (Eng. Abstr.) **(Ger)**

[Placental circulation in simultaneous beta-stimulation using hexoprenaline and beta-1 blockade with celiprolol] Schurz AR, et al. **Z Geburtshilfe Perinatol** 1987 Jan–Feb; 191(1):29–33 (Eng. Abstr.) **(Ger)**

[Comparison of the effectiveness of Partusisten and ethanol tocolysis. I: long-term tocolysis with Partusisten or ethanol] Förster F, et al. **Zentralbl Gynakol** 1987; 109(11):729–37 (Eng. Abstr.) **(Ger)**

[Comparison of the effectiveness of Partusisten and ethanol tocolysis. II. Short-term tocolysis with Partusisten or ethanol] Förster F, et al. **Zentralbl Gynakol** 1987; 109(13):843–9 (Eng. Abstr.) **(Ger)**

[Cardiotocography practice. Case 11] Heinrich J. **Zentralbl Gynakol** 1986;108(17):1076–8 **(Ger)**

[Hemodynamic placental insufficiency and its therapeutic modification in threatened premature labor] Ruckhäberle KE, et al. **Zentralbl Gynakol** 1986;108(16):974–82 (Eng. Abstr.) **(Ger)**

[Indications for tocolysis. A prospective study] Zeller G, et al. **Zentralbl Gynakol** 1986;108(24):1473–81 (Eng. Abstr.) **(Ger)**

[Combined therapy with magnesium sulfate and terbutaline for preterm labor tocolysis] Kishikawa T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Sep;38(9):1670–3 **(Jpn)**

[Beta-sympathicomimetics in premature labor. Effects on the fetus] Bratlid D. **Tidsskr Nor Laegeforen** 1987 Mar 10; 107(7):654–5 (Eng. Abstr.) **(Nor)**

[Myocardial infarction during tocolysis with sympathomimetics] Magnus O. **Tidsskr Nor Laegeforen** 1987 Apr 10;107(10–11):943–4 (Eng. Abstr.) **(Nor)**

[Evaluation of the inhibitory effect on uterine contraction of the preparation fenoterol produced by Polfa and a comparison of its effect with that of partusisten] Malewski Z, et al. **Ginekol Pol** 1986 Dec;57(12):815–21 (Eng. Abstr.) **(Pol)**

[Clinical evaluation of Salbupart in the inhibition of uterine contractions in abortion and premature labor in comparison to Partusisten] Skorut S. **Wiad Lek** 1987 Jan 15;40(2):86–9 (Eng. Abstr.) **(Pol)**

PSYCHOLOGY

Maternal emotional responses to preterm birth. Pederson DR, et al. **Am J Orthopsychiatry** 1987 Jan;57(1):15–21

Development of psychosis during premature labor. Ticknor CB, et al. **Hosp Community Psychiatry** 1987 Apr; 38(4):406–7

Psychological variables and premature labour: a possible solution for some methodological problems. Omer H, et al. **J Psychosom Res** 1986;30(5):559–65

Women's important relationships during pregnancy and the preterm labor event. Richardson P. **West J Nurs Res** 1987 May;9(2):203–22

[Construction of questionnaires for the study of psychological components in the etiology of somatic diseases. The example of prematurity] Mamelle N, et al. **Acta Psychiatr Belg** 1986 Sep–Oct;86(5):594–9 (Eng. Abstr.) **(Fre)**

[Incidence and psychosocial conditions of premature labor] Teichmann AT. **Gynakologe** 1987 Mar;20(1):14–9 **(Ger)**

THERAPY

A hypnotic relaxation technique for the treatment of premature labor. Omer H. **Am J Clin Hypn** 1987 Jan; 29(3):206–13

C-reactive protein: a limited test for managing patients with preterm labor or preterm rupture of membranes? Ernest JM, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):449–54

Mechanism of amnioinfusion [letter] Goodlin RC. **Am J Obstet Gynecol** 1986 Dec;155(6):1359–60

Clinical utility of the nonstress test in the conservative management of women with preterm spontaneous premature rupture of the membranes. Smith CV, et al. **J Reprod Med** 1987 Jan;32(1):1–4

[Control of delivery in premature labor] Hochuli E. **Gynakologe** 1987 Mar;20(1):32–40 **(Ger)**

[Cesarean section in premature labor] Golota VIa, et al. **Akush Ginekol (Mosk)** 1987 Feb;(2):6–8 (38 ref.) **(Rus)**

VETERINARY

The effect of glucocorticoids and prematurity on absorption of colostral immunoglobulin in the calf. Johnston NE, et al. **Aust Vet J** 1986 Jun;63(6):191–2

Retained placenta and plasma prostaglandin F profile after induced parturition in Karan Swiss cattle. Prakash BS, et al. **Br Vet J** 1986 May–Jun;142(3):210–7

LABOR PRESENTATION

Influence of the pelvic outlet capacity on fetal head presentation at delivery. Floberg J, et al. **Acta Obstet Gynecol Scand** 1987;66(2):127–30

Randomized management of the second nonvertex twin: vaginal delivery or cesarean section. Rabinovici J, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):52–6

Use of the terms position, presentation, and lie [letter] Reamy KJ. **Am J Obstet Gynecol** 1986 Oct;155(4):918

Clinical application of the perineal scan: prepartum screening for cord presentation. Sakamoto H, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1041–3

Vaginosonographical determination of the true conjugate and the transverse diameter of the pelvic inlet. Deutinger J, et al. **Arch Gynecol** 1987;240(4):241–6

Face presentation. Schwartz Z, et al. **Aust NZ J Obstet Gynaecol** 1986 Aug;26(3):172–6

Fetal dystocia. Perkins RP. **Clin Obstet Gynecol** 1987 Mar; 30(1):56–68 (20 ref.)

Measuring the height of a cephalic presentation: an objective assessment of station. Lewin D, et al. **Eur J Obstet Gynecol Reprod Biol** 1977;7(6):369–72

Cardiovascular dynamics in relation to presentation and postural changes in normal fetuses. Luterkort M, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jan;24(1):13–22

Confusing presentation in a retroflexed septate uterus at term. Vleugels MP, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Mar;24(3):237–41

Sinusoidal heart rate pattern and face presentation in a fetus from a postterm pregnancy. A case report. Hulet B, et al. **J Reprod Med** 1987 Mar;32(3):211–2

Electronic fetal monitoring in face presentation at term. Watson WJ, et al. **Milit Med** 1987 Jun;152(6):324–5

Method and route of delivery in the low birth weight vertex presentation correlated with early periventricular/intraventricular hemorrhage. Tejani N, et al. **Obstet Gynecol** 1987 Jan;69(1):1–4

[Delivery of twins in the Obstetrics Clinic of the Higher Medical Institute of Pleven during the 3 year period—1982–1984] Stambolov B, et al. **Akush Ginekol (Sofiia)** 1986;25(4):9–13 (Eng. Abstr.) **(Bul)**

[Orientation of the fetal head at the time of engagement in induced labor] Tribalat S, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(7):937–9 (Eng. Abstr.) **(Fre)**

[Version by internal maneuvers: alternative to cesarean section under precarious conditions. The experience of the University Clinic of Gynecology and Obstetrics] Perrin R, et al. **Rev Fr Gynecol Obstet** 1987 Apr;82(4):247–50 (Eng. Abstr.) **(Fre)**

LABOR PRESENTATION, BREECH see **BREECH PRESENTATION**

LABOR STAGE, FIRST see under **LABOR**

LABOR STAGE, SECOND see under **LABOR**

LABOR STAGE, THIRD see under **LABOR**

LABOR UNIONS

Pharmacy unions not salvation for professional pharmacists [letter] Cruz PM. **Am J Hosp Pharm** 1986 Nov; 43(11):2741–2

The union experience with health maintenance organizations and preferred provider organizations. Sigelbaum HC. **Bull NY Acad Med** 1987 Jan–Feb;63(1):42–8

Labor union plays hardball with HMO. McCormick B. **Hospitals** 1987 Jan 5;61(1):35

Teamsters look to expand provider contracts. Powills S. **Hospitals** 1987 Aug 20;61(16):52–3

Unions urged to be a part of the solution. Powills S. **Hospitals** 1986 Oct 5;60(19):60, 62

Upset Minnesota HMO MDs consider unionizing. Traska MR. **Hospitals** 1987 May 5;61(9):52

A reanalysis of the relation between unionization and workplace safety. Taylor GS. **Int J Health Serv** 1987; 17(3):443–53

The black physician and medical unionism [editorial] Marcus SA. **J Natl Med Assoc** 1986 Oct;78(10):921–3

Unionization for nurses: an issue for the 1980s. Smith GR. **J Prof Nurs** 1985 Jul–Aug;1(4):192–201

Factors supporting the growth of grass-roots coalitions for effective occupational health policies. Mirer FE. **J Public Health Policy** 1986 Autumn;7(3):355–62

Dr. Marcus and the restraint of trade [editorial] Thomison JB. **J Tenn Med Assoc** 1986 Aug;79(8):510–1

Cost sharing and use of health services. The United Mine Workers of America Health Plan. Roddy PC, et al. **Med Care** 1986 Sep;24(9):873–6

Occupational carcinogens: standards issued by the International Labour Organization. Parmeggiani L. **Med Lav** 1986 Jul–Aug;77(4):449–56

The viewpoint of the trade unions. Sapir M. **Med Lav** 1986 Jul–Aug;77(4):439–44

A proposal for unions as a device for the defense of the American medical profession. Marcus SA. **NC Med J** 1986 Sep;47(9):403–7

Physician unions ... the time may never be ripe [letter] Paul WT. **Ohio Med** 1987 Mar;83(3):131, 133

[The joint work of the medical health unit, of Party and trade union organizations and of managers of an industrial enterprise in promoting the health of workers] Zdesenko PP, et al. **Sov Zdravookhr** 1987;(5):41–4 (Eng. Abstr.) **(Rus)**

HISTORY

Medical rivalries and medical politics in France: the physicians' union movement and the Medical Assistance Law of 1893. Hildreth ML. **J Hist Med Allied Sci** 1987 Jan;42(1):5–29

LEGISLATION & JURISPRUDENCE

A proposal for a nonreinstatement rule in unfair labor practice cases involving patient abuse. Tully CT. **Am J Law Med** 1985;11(3):319–41

Legal background for a proposal for doctors' unions. McCracken RG. **NC Med J** 1986 Sep;47(9):408–12

ORGANIZATION & ADMINISTRATION

Unions' interest in health care. Enright SM. **Am J Hosp Pharm** 1987 Mar;44(3):594–7

Unions offer some solutions to fight declining census. Firshein J. **Hospitals** 1986 Nov 5;60(21):31

Union activity on the rise, new AHA report states. McCormick B. **Hospitals** 1986 Dec 5;60(23):73

The negotiating machinery of the Danish Nurses Organization. Andresen B. **Int Nurs Rev** 1986 Nov–Dec; 33(6):174–7

New approaches and emerging issues in negotiation. Cooney JA. **Int Nurs Rev** 1986 Nov–Dec;33(6):180–2

Is the time ripe for a doctor's union. Gracilla RV. **Ohio State Med J** 1986 Dec;82(12):783–4

LABORATORIES

Proficiency testing in cytology laboratories in Ontario, Canada: a decade of experience. I. Introduction and description of the testing model. Curry H, et al. **Acta Cytol (Baltimore)** 1987 May–Jun;31(3):203–14

Proficiency testing in cytology laboratories in Ontario, Canada: a decade of experience. III. A precision study of consistency and reproducibility in cytology reporting. Curry H, et al. **Acta Cytol (Baltimore)** 1987 May–Jun; 31(3):220–5

Proficiency testing in cytology laboratories in Ontario, Canada: a decade of experience. II. Results of initial surveys. Curry H, et al. **Acta Cytol (Baltimore)** 1987 May–Jun;31(3):215–9

A double-blind comparative immunotypic study between two institutions phenotyping non-Hodgkin's lymphomas. Grogan TM, et al. **Am J Clin Pathol** 1987 Apr;87(4):478–84

The importance of the virology laboratory in the diagnosis and management of viral meningitis. Wildin S, et al. **Am J Dis Child** 1987 Apr;141(4):454–7

Bringing HELP to the clinical laboratory—use of an expert system to provide automatic interpretation of laboratory data. Clayton PD, et al. **Ann Clin Biochem** 1987;24 Suppl 1:5–11

Implementation of SI units for clinical laboratory data. Style specifications and conversion tables [published erratum appears in Ann Intern Med 1987 Aug;107(2):265] Young DS. **Ann Intern Med** 1987 Jan;106(1):114–29

The effects of heparin on the activated partial thromboplastin time of the College of American Pathologists Survey specimens. Responsiveness, precision, and sample effects. Gawoski JM, et al. **Arch Pathol Lab Med** 1987 Sep; 111(9):785–90

Determination of reference ranges for serum enzymes via a large interlaboratory survey. Lott JA, et al. **Arch Pathol Lab Med** 1987 Jan;111(1):9–15

Changing technologies in the reference laboratory.

O'Sullivan MB. **Arch Pathol Lab Med** 1987 Jul; 111(7):657–61
The McArdle Laboratory for Cancer Research. Pitot HC, et al. **Bioessays** 1987 Mar;6(3):138–40
Formaldehyde concentrations in biology department teaching facilities. Korky JK, et al. **Bull Environ Contam Toxicol** 1987 May;38(5):907–10
Advanced technology and its impact on the clinical laboratory. Burtis CA. **Clin Chem** 1987 Mar;33(3):352–7
A computer system for a blood transfusion laboratory. Gregory PA, et al. **Clin Lab Haematol** 1987;9(2):193–200
Drug screening in hospital clinical laboratories. Bateh RP. **Clin Lab Med** 1987 Jun;7(2):371–88 (30 ref.)
Computers and communications. Brown PA. **Contemp Issues Clin Biochem** 1985;2:131–8
The developing countries: primary health care. Mitchell FL. **Contemp Issues Clin Biochem** 1985;2:214–21
Distributed technology: managing decentralised clinical biochemistry. Rock RC. **Contemp Issues Clin Biochem** 1985;2:222–36
The possibility of clinical biochemistry nearer the patient in German hospitals. Thomas L. **Contemp Issues Clin Biochem** 1985;2:175–7
Laboratory–clinician interaction and the interpretation of test results. Zinder O. **Contemp Issues Clin Biochem** 1985; 2:52–62
The use of the computer in the dermatopathology laboratory. Friedman RJ, et al. **Dermatol Clin** 1986 Oct;4(4):651–6
The appropriate use of diagnostic services: (XIV). How to make best use of a clinical virology laboratory. Banatvala JE. **Health Bull (Edinb)** 1987 May;45(3):109–18
Obtaining more from the laboratory computer. Llaurado JG. **Int J Biomed Comput** 1987 Jan;20(1–2):4–6
A plea to laboratorians [letter] Goel MC. **J Natl Med Assoc** 1987 May;79(5):569
Managing liability risk in the office laboratory [letter] McMahon R, et al. **JAMA** 1987 Feb 13;257(6):778–9
The role of the laboratory in the control of diarrhoeal diseases. Jegathesan M, et al. **Malays J Pathol** 1980 Aug; 3:47–51
Role of the toxicology laboratory in the treatment of acute poisoning. Hepler BR, et al. **Med Toxicol** 1986 Jan–Feb; 1(1):61–75 (66 ref.)
Needle–stick transmission of human colonic adenocarcinoma [letter] Gugel EA, et al. **N Engl J Med** 1986 Dec 4; 315(23):1487
California court forces closure of biology laboratory [news] Anderson A. **Nature** 1987 Aug 20–26;328(6132):656
Blood products lab [news] Hill SJ. **Nature** 1987 May 14–20; 327(6118):91
Lab worker infected with AIDS virus [news] Palca J. **Nature** 1987 Sep 10–16;329(6135):92
Medical students' exposure to formaldehyde in gross anatomy laboratories. Fleisher JM. **NY State J Med** 1987 Jul; 87(7):385–8
Clerical accuracy in the laboratory [letter] Ackerman VP, et al. **Pathology** 1986 Oct;18(4):480
The pediatric acute care laboratory. Van Lente F, et al. **Pediatr Clin North Am** 1987 Feb;34(1):231–46
Office laboratory testing. **Primary Care** 1986 Dec; 13(4):605–782
What to expect from a laboratory industry representative. Cox DO, et al. **Primary Care** 1986 Dec;13(4):691–7
Office therapeutic drug monitoring. Taylor AT. **Primary Care** 1986 Dec;13(4):743–60
An examination of 3H and 14C hand contamination at the radioisotope laboratory of a medical school. Takizawa Y, et al. **Radioisotopes** 1986 Dec;35(12):648–50
The quality of laboratory analyses in the primary health care. A proficiency survey on hemoglobin, glucose, leucocyte count and sedimentation rate (ESR) measurements. Landaas S, et al. **Scand J Prim Health Care** 1986 Sep; 4(3):169–73
EMBL: "small science" on a European scale [news]Dickson D. **Science** 1987 Sep 4;237(4819):1108–9
The Cardiovascular Laboratory at the Mount Elizabeth Hospital: the first 600 cases. Chin WS, et al. **Singapore Med J** 1986 Oct;27(5):413–5
[Automation of emergency biochemical procedures] Mašek K, et al. **Vnitr Lek** 1987 May;33(5):485–8 (Eng. Abstr.) **(Cze)**
[Laboratory automation for analysis of solid pharmaceuticals. Precision of automated analysis by a laboratory robot system] Katori N, et al. **Eisei Shikenjo Hokoku** 1986; (104):25–30 (Eng. Abstr.) **(Jpn)**
[Method of producing cooled liquid propane in a histochemistry laboratory] Aleshchenko IE. **Arkh Patol** 1986;48(11):79–80 (Eng. Abstr.) **(Rus)**
[Nuclear medicine (letter)] Foradori A, et al. **Rev Med Chil** 1986 Jan;114(1):64–5 **(Spa)**
[Function of the laboratory in the control of nosocomial infections] Sifuentes Osornio J. **Salud Publica Mex** 1986 Nov–Dec;28(6):642–54 (Eng. Abstr.) **(Spa)**

ECONOMICS

Effects of workload and analysis time on the cost of out-of-hours investigations. Gunn IR, et al. **Ann Clin Biochem** 1986 Sep;23 (Pt 5):501–3
How will changes in physician payment by Medicare influence laboratory testing? Lundberg GD. **JAMA** 1987 Aug 14;258(6):803–8
Double British jeopardy for European laboratory's plans [news] Newmark P. **Nature** 1987 May 21–27;327(6119):181

HISTORY

50th anniversary of the Aerospace Medical Research Laboratory, Wright-Patterson Air Force Base, Ohio, and its rededication in honor of its founder as the Harry G. Armstrong Aerospace Medical Research Laboratory. June 5–6, 1985. **Aviat Space Environ Med** 1986 Oct;57(10 Pt 2):A1–85
The war years at the Aeromedical Lab: Wright Field (1941–46). Gagge AP. **Aviat Space Environ Med** 1986 Oct; 57(10 Pt 2):A6–12
The genesis of human engineering. Grether WF. **Aviat Space Environ Med** 1986 Oct;57(10 Pt 2):A37–43
The Aerospace Medical Research Laboratory: a leader in the development of life support. White SC. **Aviat Space Environ Med** 1986 Oct;57(10 Pt 2):A44–8
Instituto de Investigaciones Bioquimicas 'Fundación Campomar': the new laboratories of Luis F. Leloir. Krisman-Fischman CR, et al. **Bioessays** 1987 Jan;6(1):42–4
Precision in vascular surgery. Yao JS. **J Vasc Surg** 1987 Apr; 5(4):535–43
[D.K. Zabolotnyĭ (on the 120th anniversary of his birth and the 80th anniversary of the founding of the first syphilis laboratory in Russia)] Levin MM. **Vestn Dermatol Venerol** 1987;(6):74–7 **(Rus)**

LEGISLATION & JURISPRUDENCE

Regulatory considerations in the establishment and expansion of office-based laboratories. Crane SC. **Med Clin North Am** 1987 Jul;71(4):733–49 (17 ref.)

MANPOWER

Staffing levels in cytology laboratories [letter] Mant D, et al. **Community Med** 1986 Aug;8(3):252
Impact of computerization on laboratory staffing. Morris FJ. **J Med Syst** 1986 Aug;10(4):355–9
Performance audit in the selection and management of personnel in the physician's office laboratory. Crowley JR, et al. **Primary Care** 1986 Dec;13(4):617–31
[Problems in training physician-laboratory workers of community health divisions of sanitary-epidemiologic stations] Dautov FF. **Gig Sanit** 1987 Jan;(1):32–4 **(Rus)**

ORGANIZATION & ADMINISTRATION

Education in laboratory management for pathology residents. Hale JH, et al. **Am J Clin Pathol** 1987 Mar;87(3):402–4
AAMRL—enhancing man and mission: the next 50 years. Mohr GC. **Aviat Space Environ Med** 1986 Oct;57(10 Pt 2):A24–9
Lab design that counts. Plant J. **Hospitals** 1987 Apr 20; 61(8):102, 104, 106
Options: the name of the new lab game. Powills S, et al. **Hospitals** 1987 Apr 20;61(8):82–3, 86
Joint ventures for fun and—sometimes—profit. Wilkinson R. **Hospitals** 1987 Apr 20;61(8):90, 92, 94
Are physician labs a competitive threat? Wilkinson R. **Hospitals** 1987 Apr 20;61(8):96, 98
Setting up pulmonary laboratories in India: problems of organisation and practical solutions. Malik SK. **Indian J Chest Dis Allied Sci** 1986 Oct–Dec;28(4):257–62
How to manage a laboratory? [editorial] van Kampen EJ. **J Clin Chem Clin Biochem** 1987 Apr;25(4):197–8
Establishing a physician's office laboratory. James K, et al. **Med Clin North Am** 1987 Jul;71(4):691–703
Laboratory organization in the detection and diagnosis of early cervical neoplasia. Wied GL, et al. **Obstet Gynecol Surv** 1969 Jul;24(7 Pt 2):935–66
[Rapid biochemical testing for resuscitation, intensive care and metabolic care units] Engliš M, et al. **Cas Lek Cesk** 1987 Jan 30;126(5):133–7 (Eng. Abstr.) **(Cze)**
[Bacteriology department as part of the clinico-diagnostic laboratory of an oncologic dispensary] Iurovskaia LA, et al. **Lab Delo** 1987;(2):66–8 (Eng. Abstr.) **(Rus)**
[Work experience of the department and laboratory of nutrition hygiene of the Minsk municipal sanitaro-epidemiologic station in the organization of laboratory control] Astapova NR, et al. **Vopr Pitan** 1986 Nov–Dec;(6):68–70 **(Rus)**

STANDARDS

Proficiency testing in cytology in New York. Analysis of a 14-year state program. Collins DN, et al. **Acta Cytol (Baltimore)** 1986 Nov–Dec;30(6):633–42
A laboratory for handling chemical toxicants safely. Myers GL, et al. **Am Ind Hyg Assoc J** 1987 Jun;48(6):524–7
External quality assessment of serum enzyme activity assays and the effect of calibration on interlaboratory concordance. Bullock DG, et al. **Ann Clin Biochem** 1986 Sep;23 (Pt 5):577–84
Acceptance of values assigned to serum-based calibration materials. Burnett D, et al. **Ann Clin Biochem** 1986 Mar; 23 (Pt 2):157–67
Within-laboratory quality control of asbestos counting. Ogden TL, et al. **Ann Occup Hyg** 1986;30(4):411–25
FDA inspection of an academic laboratory. Marx L, et al. **Appl Biochem Biotechnol** 1986 Dec;13(3):241–7
Chromosome analysis in the clinical setting [editorial] Rao KW. **Arch Pathol Lab Med** 1987 Aug;111(8):698–700
Variation in synovial fluid analysis by hospital laboratories. Hasselbacher P. **Arthritis Rheum** 1987 Jun;30(6):637–42
Interlaboratory studies in clinical chemistry—the Canadian experience. Weatherburn MW. **Clin Biochem** 1987 Feb; 20(1):13–9
Interlaboratory proficiency-testing programs: a computer model to assess their capability to correctly characterize intralaboratory performance. Ehrmeyer SS, et al. **Clin Chem** 1987 Jun;33(6):784–7
Ability of the 1(2)s rule to detect substandard performance in interlaboratory proficiency testing. Ehrmeyer SS, et al. **Clin Chem** 1987 Jun;33(6):788–91
Laboratory performance and director qualifications. Kenney ML. **Clin Chem** 1987 May;33(5):725–38
Laboratory performance and regulatory requirements. Kenney ML. **Clin Chem** 1987 Jun;33(6):1087–102
Quality assurance in changing times: proposals for reform and research in the clinical laboratory field. Kenney ML. **Clin Chem** 1987 Feb;33(2 Pt 1):328–36 (41 ref.)
Anomalous between-laboratory variability in a collaborative study of carcinoembryonic antigen immunoassay [letter] Pilo A, et al. **Clin Chem** 1987 Sep;33(9):1694–5
Performance of quantitative urine analysis in Australasia critically assessed. Shepard MD, et al. **Clin Chem** 1987 Jun; 33(6):792–5
Improved between-laboratory agreement for specific protein assays in serum following introduction of a common reference preparation (SPS-01) demonstrated in an external quality assessment scheme. Chambers RE, et al. **Clin Chim Acta** 1987 Apr 30;164(2):189–200
Clinical and economic practice of quality control. **Clin Lab Med** 1986 Dec;6(4):611–818
Quality assurance of the analytic process: pre- and postanalytic variation. Bachner P. **Clin Lab Med** 1986 Dec; 6(4):613–23
Quality control in the office laboratory. Baer DM, et al. **Clin Lab Med** 1986 Dec;6(4):805–13 (11 ref.)
Quality assurance in a large reference laboratory. Belyus PS, et al. **Clin Lab Med** 1986 Dec;6(4):745–54
Computer-assisted quality control: considerations for program design. DiSilvio TV. **Clin Lab Med** 1986 Dec; 6(4):735–43 (21 ref.)
Documentation of safe work practices in the clinical laboratory. Hoeltge GA. **Clin Lab Med** 1986 Dec; 6(4):787–98 (20 ref.)
Quality assurance in home laboratory testing. Keffer JH. **Clin Lab Med** 1986 Dec;6(4):799–803
The state of quality control: a critique. Tiersten D. **Clin Lab Med** 1986 Dec;6(4):815–8
Controlling the cost of quality control. Woo J, et al. **Clin Lab Med** 1986 Dec;6(4):755–85 (67 ref.)
Quality control in the MRFIT local screening and clinic laboratory. Cooper GR, et al. **Controlled Clin Trials** 1986 Sep;7(3 Suppl):158S–65S
Quality control of biochemical data in the Multiple Risk Factor Intervention Trial: Central Laboratory. Widdowson GM, et al. **Controlled Clin Trials** 1986 Sep;7(3 Suppl):17S–33S
Standardization of steroid receptor assays in human breast cancer—IV. Long-term within- and between-laboratory variation of estrogen and progesterone receptor assays. Koenders A, et al. **Eur J Cancer Clin Oncol** 1986 Aug; 22(8):945–52
Standardization of steroid receptor assays in human breast cancer—III. Selection of reference material for intra- and inter-laboratory quality control. Thorpe SM, et al. **Eur J Cancer Clin Oncol** 1986 Aug;22(8):939–44
Proficiency testing of water microbiology laboratories in The Netherlands. Havelaar AH, et al. **J Appl Bacteriol** 1987 Jun;62(6):555–64
Centers for Disease Control performance evaluation program in bacteriology: 1980 to 1985 review. Griffin CW 3d, et al. **J Clin Microbiol** 1986 Dec;24(6):1004–12
Laboratory proficiency test results on use of selective media for isolating Pseudomonas cepacia from simulated sputum specimens of patients with cystic fibrosis. Tablan OC, et al. **J Clin Microbiol** 1987 Mar;25(3):485–7
Laboratory diagnosis of megaloblastic anaemia: current methods assessed by external quality assurance trials. Dawson DW, et al. **J Clin Pathol** 1987 Apr;40(4):393–7
Laboratory controls—an FDA investigator's viewpoint. Avallone HL. **J Parenter Sci Technol** 1986 Sep–Oct; 40(5):178–82
Interlaboratory comparison of ultrasonic attenuation and speed measurements. Madsen EL, et al. **J Ultrasound Med** 1986 Oct;5(10):569–76
Who should test the testers? [letter] Baron DN. **JAMA** 1987 Feb 27;257(8):1051
The impact of the quality of laboratory staff on the accuracy of laboratory results. Lunz ME, et al. **JAMA** 1987 Jul 17; 258(3):361–3
Assessing an office chemistry instrument. Baer DM, et al. **Primary Care** 1986 Dec;13(4):699–711
Painless office laboratory regulation. Bartola J. **Primary Care** 1986 Dec;13(4):605–15
Office glucose analysis. Gwyther RE. **Primary Care** 1986 Dec;13(4):713–25
Automated office hematology instruments. Nixon GA, et al. **Primary Care** 1986 Dec;13(4):727–41 (5 ref.)
Congress considers upgrading labs [news] Walsh J. **Science** 1987 Jul 24;237(4813):351–2
Quality control for rural laboratories in south-west Tanzania.

Cooper-Poole B. **Trans R Soc Trop Med Hyg** 1986; 80(5):823

[The modern laboratory for blood gas analysis (letter)] Clerbaux T, et al. **Presse Med** 1986 Nov 29;15(42):2117 **(Fre)**

[Evaluation of the results of the identification of selected strains of Enterobacteriaceae in local bacteriologic laboratories of the sanitaro-epidemiologic stations in Poland] Tyc Z, et al. **Med Dosw Mikrobiol** 1986; 38(4):185-98 (Eng. Abstr.) **(Pol)**

[Statistical processing of the results of inter-laboratory and intra-laboratory quality control using a computer] Bulochnikova NE, et al. **Lab Delo** 1987;(2):63-6 **(Rus)**

[Evaluation of the reliability of the results of a study of the chemical composition of urine based on data from an interlaboratory quality control study, 1979-1983] Garanina EN, et al. **Lab Delo** 1987;(1):66-70 (Eng. Abstr.) **(Rus)**

[Occupational standards in bacteriologic laboratories at dermato-venereologic outpatient clinics] Iatsukha MV. **Vestn Dermatol Venerol** 1987;(3):22-5 (Eng. Abstr.) **(Rus)**

[The National Institute of Health quality control program. III. Follow-up studies (phase 3)] Loria A. **Rev Invest Clin** 1986 Oct-Dec;38(4):435-40 (Eng. Abstr.) **(Spa)**

[Evaluation of the precision and accuracy of clinical laboratories in determinations of clinical chemistry] Gómez R, et al. **Rev Med Chil** 1986 Apr;114(4):336-42 (Eng. Abstr.) **(Spa)**

TRENDS

A new strategy for out-of-hours laboratory investigations. Lester E. **Ann Clin Biochem** 1986 Sep;23 (Pt 5):497-500

UTILIZATION

Prudent laboratory usage, cost containment, and high quality medical care: are they compatible? Peterson SE, et al. **Hum Pathol** 1987 Feb;18(2):105-8

LABORATORIES, DENTAL

The isolation of fungi from laboratory dental pumice. Williams HN, et al. **J Prosthet Dent** 1986 Dec;56(6):737-40

[Monitoring of the ambient and biological environment in occupational exposure to precious metals in a dental technology laboratory] Santoro L. **Bull Group Int Rech Sci Stomatol Odontol** 1986 Mar-Jun; 29(1-2):45-54 (Eng. Abstr.) **(Fre)**

LABORATORY ANIMAL SCIENCE

see related
VETERINARY MEDICINE

Survey of attitudes of laboratory animal technicians. Heidbrink G. **Lab Anim Sci** 1987 Jan;37 Spec No:104-5

Role of laboratory animal technicians as committee members. Stephens UK. **Lab Anim Sci** 1987 Jan;37 Spec No:103

Guidelines for veterinary surgeons employed in scientific procedure establishments and breeding and supplying establishments. British Veterinary Association and the Royal College of Veterinary Surgeons. **Vet Rec** 1987 Jan 3;120(1):17-9

EDUCATION

Laboratory animal medicine: no typical workday. Anderson LC. **J Am Vet Med Assoc** 1986 Dec 1;189(11):1425-7

Educating the scientist about research animals. Flowers FH. **Lab Anim Sci** 1987 Jan;37 Spec No:155-8

Technician training: Animal Care and Use Committees. Scher S. **Lab Anim Sci** 1987 Jan;37 Spec No:150-1

LABORATORY ANIMALS see **ANIMALS, LABORATORY**

LABORATORY DIAGNOSIS see **DIAGNOSIS, LABORATORY**

LABORATORY INFECTION

[Clinical features, laboratory data and anti-viral antibody titers in a severe case of hemorrhagic fever with renal syndrome (HFRS)--a one-month course from onset] Morimoto Y, et al. **Kansenshogaku Zasshi** 1986 Apr; 60(4):322-35 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Import of animal viruses opposed after accident at laboratory [news] Morgan C. **Nature** 1987 Jul 2-8;328(6125):8

Safety issues raised by worker's infection with AIDS virus [news] Palca J. **Nature** 1987 Sep 17-23;329(6136):191

[Conjunctivitis and disorders of general health status in humans caused by infection with Newcastle disease virus] Schemera B, et al. **DTW** 1987 Jul-Aug;94(7):383-4 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

[Isolation of Microsporum persicolor from skin lesions and river bottom sediments] Ulfig K, et al. **Przegl Dermatol** 1986 May-Jun;73(3):224-9 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Ornithonyssus bacoti infestation in laboratory personnel and veterinary students. Ram SM, et al. **Int J Zoonoses** 1986 Jun;13(2):138-40

PREVENTION & CONTROL

Basic considerations in assessing and preventing occupational infections in personnel working with nonhuman primates. Richardson JH. **J Med Primatol** 1987;16(2):83-9

Leads from the MMWR. Human T-lymphotropic virus type III/lymphadenopathy-associated virus: agent summary statement. **JAMA** 1986 Oct 10;256(14):1857, 1861, 1868 passim

Laboratory safety and HIV [letter] Hay A. **Lancet** 1987 May 9;1(8541):1094

[Occupational biological risk and safety measures in medical laboratories] Fernández Llanes R, et al. **Rev Cubana Med Trop** 1986 Jan-Apr;38(1):54-61 (Eng. Abstr.) **(Spa)**

TRANSMISSION

A twenty-five year review of laboratory-acquired human infections at the National Animal Disease Center. Miller CD, et al. **Am Ind Hyg Assoc J** 1987 Mar;48(3):271-5

LABYRINTH

Valve implants compared to other surgical methods. Huang TS. **Am J Otol** 1987 Jul;8(4):301-6

Ten-year follow-up on the first five inner ear valve implants for intractable vertigo in Sweden. Stahle J, et al. **Am J Otol** 1987 Jul;8(4):287-93

Valved implants in endolymphatic sac surgery. Wright JW 3d, et al. **Am J Otol** 1987 Jul;8(4):307-12

Hydrops due to syphilitic endolymphatic duct obliteration. Linthicum FH Jr, et al. **Laryngoscope** 1987 May; 97(5):568-74

ABNORMALITIES

Otologic manifestations of the hydantoin syndrome. Saad JJ, et al. **Am J Otolaryngol** 1986 Sep-Oct;7(5):360-5

Quantitative analysis of inner ear anomalies by high resolution CT scanning of the temporal bone. Murata K, et al. **J Otolaryngol** 1987 Jun;16(3):133-6

Protective role of compensatory growth in the development of mammalian inner ear. Khan KM. **JPMA** 1986 Dec; 36(12):308-15

Congenital malformations of the inner ear: a classification based on embryogenesis. Jackler RK, et al. **Laryngoscope** 1987 Mar;97(3 Pt 2 Suppl 40):2-14

Congenital malformations of the inner ear: histologic findings in five temporal bones. Monsell EM, et al. **Laryngoscope** 1987 Mar;97(3 Pt 2 Suppl 40):18-24

[Mondini's syndrome. Apropos of 2 cases] Kedous F, et al. **Ann Otolaryngol Chir Cervicofac** 1986;103(4):265-9 (Eng. Abstr.) **(Fre)**

[Trepanation of the labyrinth and congenital malformations] Martin C, et al. **Ann Otolaryngol Chir Cervicofac** 1986; 103(8):525-45 (Eng. Abstr.) **(Fre)**

[Malformation of the inner ear. Cerebrospinal otorrhea in stapedectomy] Welleschik B, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Dec;65(12):688-90 (Eng. Abstr.) **(Ger)**

ANALYSIS

How endotoxin might reach the inner ear [letter] Walterspiel JN. **Pediatr Infect Dis J** 1987 Jan;6(1):85

[Sample distribution of inner ear fluids in the submicroliter range] Giebel W, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Jan;66(1):11-5 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Dimensions of the horizontal semicircular duct, ampulla and utricle in the human. Curthoys IS, et al. **Acta Otolaryngol (Stockh)** 1987 Mar-Apr;103(3-4):254-61

Human endolymphatic sac: morphologic evidence of immunologic function. Wackym PA, et al. **Ann Otol Rhinol Laryngol** 1987 May-Jun;96(3 Pt 1):276-81

[Symmetry of the horizontal semicircular canal of the labyrinth] Fenart R, et al. **Bull Assoc Anat (Nancy)** 1986 Jun;70(209):33-6 (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

Differential effect of ischemia on spontaneous and sinusoidal-evoked activity in semicircular canal afferents in the bullfrog. Sitko S, et al. **Acta Otolaryngol (Stockh)** 1986 Sep-Oct;102(3-4):179-85

Vascular loops in internal auditory canal as possible cause of Menière's disease. Kanzaki J, et al. **Auris Nasus Larynx** 1986;13 Suppl 2:S105-11

Scanning electron microscopy of the microvascular system in the inner ear. Nakai Y, et al. **Scan Electron Microsc** 1986;(Pt 2):543-8

The microvascular architecture of the vestibule and the endolymphatic duct and sac of the rat in vascular corrosion casts. Ohmichi T, et al. **Scan Electron Microsc** 1986;(Pt 4):1445-9

[Pathogenesis of inner ear hearing loss. Follow-up of auditory evoked potentials in acute cerebral ischemia] Steinert R. **Fortschr Med** 1986 Sep 11;104(34):637-40 (Eng. Abstr.) **(Ger)**

[Does pure-tone audiometry provide inferences for a vascular cause of sudden deafness?] Welleschik B, et al. **HNO** 1987 Mar;35(3):119-27 (Eng. Abstr.) **(Ger)**

[Aneurysms of the auditory artery at the internal acoustic meatus] Nowak G, et al. **Neurochirurgia (Stuttg)** 1986 Nov; 29(6):241-3 (Eng. Abstr.) **(Ger)**

[Temporary threshold shift in noise exposure and overhead work] Schultz K, et al. **Z Gesamte Hyg** 1987 Apr; 33(4):200-2 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Light- and electron-microscopic study of the endolymphatic sac of the tree frog, Hyla arborea japonica. Kawamata S, et al. **Cell Tissue Res** 1987 Jul;249(1):57-62

[Electron microscopic study of melanocytes and melanosomes of human inner ear] Ishida O, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Jul;96(8):829-34 **(Jpn)**

[Quantitative characteristics of the basilar membrane in the mammalian cochlea] Prokof'eva LI, et al. **Biol Nauki** 1986; (11):44-50 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The effect of aminoglycoside antibiotics on the lateral line organ of Aplocheilus lineatus (Cyprinodontidae). Kaus S. **Acta Otolaryngol (Stockh)** 1987 Mar-Apr;103(3-4):291-8

Effect of human fibrin adhesive on the ear. An electrophysiological study of auditory function in the guinea pig correlated to light and electron microscopy of middle ear mucosa and inner ear structures. Mjøen S, et al. **Acta Otolaryngol (Stockh)** 1986 Sep-Oct; 102(3-4):257-65

Ototoxicity of an ototopical preparation in a primate. Wright CG, et al. **Am J Otol** 1987 Jan;8(1):56-60

Antibacterial activity and ototoxicity in guinea pigs, and nephrotoxicity in rats of arbekacin. Kurebe M, et al. **Arzneimittelforschung** 1986 Oct;36(10):1511-7

Scanning electron microscopic studies of the membranous labyrinth after transtympanic infusion of local anesthetics (lidocain). Ishikawa T, et al. **Auris Nasus Larynx** 1986;13 Suppl 1:S59-68

Intratympanic injection of sodium arsanilate (atoxyl) solution results in postural changes consistent with changes described for labyrinthectomized rats. Hunt MA, et al. **Behav Neurosci** 1987 Jun;101(3):427-8

The effect of butyl 2-cyanoacrylate on the middle and inner ear of the chinchilla. Chen E, et al. **Otolaryngol Head Neck Surg** 1986 Sep;95(2):187-92

[Ototoxicity tests for T-2588 in rats] Nagai A, et al. **Jpn J Antibiot** 1986 Sep;39(9):2324-43 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetics of amikacin in the perilymph and blood serum. An approach to the comparative evaluation of the potential ototoxicity of aminoglycoside antibiotics] Dolgova GV, et al. **Antibiot Med Biotekhnol** 1986 Dec; 31(12):909-13 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

The vascular pattern of the endolymphatic sac in the human embryo. Kronenberg J, et al. **Am J Otol** 1986 Sep; 7(5):326-9

Acetylcholinesterase activity in the embryonic chick's inner ear. Cohen GM. **Hear Res** 1987;28(1):57-63

In vitro differentiation of mouse embryo statoacoustic ganglion and sensory epithelium. Raymond J. **Hear Res** 1987;28(1):45-56

Factors affecting the onset of inner ear function. Romand R, et al. **Hear Res** 1987;28(1):1-7 (73 ref.)

Determinants of otic capsule formation. Van de Water TR, et al. **Laryngoscope** 1987 Mar;97(3 Pt 1):315-22

ENZYMOLOGY

Ultracytochemical study of ouabain-sensitive, potassium-dependent p-nitrophenylphosphatase activity in the inner ear of the squirrel monkey. Yoshihara T, et al. **Acta Otolaryngol (Stockh)** 1987 Mar-Apr;103(3-4):161-9

IMMUNOLOGY

Critical evaluation of the immunofluorescence microscopic test for identification of serum antibodies against human inner ear tissue. Arnold W, et al. **Acta Otolaryngol (Stockh)** 1987 May-Jun;103(5-6):373-8

The role of the endolymphatic sac in inner ear immunity. Tomiyama S, et al. **Acta Otolaryngol (Stockh)** 1987 Mar-Apr;103(3-4):182-8

Cochlear pathophysiology associated with inner ear immune responses. Woolf NK, et al. **Acta Otolaryngol (Stockh)** 1986 Nov-Dec;102(5-6):353-64

The occurrence of IgG in the endolymphatic sac of the guinea pig. Yamane H, et al. **Arch Otorhinolaryngol** 1987; 243(6):370-3

INJURIES

Sudden hearing loss with delayed onset following head trauma. Feldmann H. **Acta Otolaryngol (Stockh)** 1987 May-Jun;103(5-6):379-83

Recurrent labyrinthine membrane rupture: bio-glue and five surgical repairs. Gray RF, et al. **J Laryngol Otol** 1987 May;

101(5):487–91
Lightning causing inner ear damage and intracranial haematoma. Poulsen P, et al. **J Laryngol Otol** 1986 Sep; 100(9):1067–70
[Acute diseases of the inner ear] van der Baan S, et al. **Ned Tijdschr Geneeskd** 1987 Apr 25;131(17):717–9 **(Dut)**
[Complications of decompression of the internal ear during diving] Renon P, et al. **Ann Otolaryngol Chir Cervicofac** 1986;103(4):259–64 (Eng. Abstr.) **(Fre)**

INNERVATION

Projection of afferents from individual vestibular sense organs to the vestibular nuclei in the pigeon. Schwarz DW, et al. **Acta Otolaryngol (Stockh)** 1986 Nov–Dec; 102(5–6):463–73
Cholinergic innervation of the rat's labyrinth. Schwarz DW, et al. **Exp Brain Res** 1986;64(1):19–26
The unrecognized rotation of the vestibular and cochlear nerves from the labyrinth to the brain stem: its implications to surgery of the eighth cranial nerve. Silverstein H, et al. **Otolaryngol Head Neck Surg** 1986 Dec;95(5):543–9

METABOLISM

Incorporation of strontium into the calcium carbonate crystals of the endolymphatic sac in the tree frog (Hyla arborea japonica). Kawamata S. **Anat Rec** 1987 Jun; 218(2):223–8
Drug permeability of the endolymphatic sac. Yamane H, et al. **Ann Otol Rhinol Laryngol** 1987 Jul–Aug;96(4):411–4
Cation transport in the ampulla of the semicircular canal and in the endolymphatic sac. Mori N, et al. **Arch Otorhinolaryngol** 1987;244(1):61–5
Characteristics of gentamicin uptake in the isolated crista ampullaris of the inner ear of the guinea pig. Williams SE, et al. **Biochem Pharmacol** 1987 Jan 1;36(1):89–95

PATHOLOGY

MR detection of tumor in the internal auditory canal. Daniels DL, et al. **AJR** 1987 Jun;148(6):1219–22
Dural ectasia as a cause of widening of the internal auditory canals in neurofibromatosis. Egelhoff JC, et al. **Pediatr Radiol** 1987;17(1):7–9
[Nuclear magnetic resonance diagnosis of tumors of the internal auditory canal and the cerebellopontile angle] Mees K, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Oct; 65(10):549–54 (Eng. Abstr.) **(Ger)**
[Degeneration of various structures of the inner ear of adult guinea pigs by noise] Ritter J, et al. **Z Mikrosk Anat Forsch** 1986;100(3):379–90 (Eng. Abstr.) **(Ger)**
[The inner ear change due to the vibration of a bone-cutting burr] Inuzuka I, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1987 May;90(5):755–70 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Endolymphatic pressure in experimental hydrops. Ito S, et al. **Arch Otolaryngol Head Neck Surg** 1987 Aug; 113(8):833–5
Vestibular nerve and nuclei unit responses and eye movement responses to repetitive galvanic stimulation of the labyrinth in the rat. Courjon JH, et al. **Exp Brain Res** 1987;66(1):41–8
Modulation by eye position of neck muscle contraction evoked by electrical labyrinthine stimulation in the alert cat. Denise P, et al. **Exp Brain Res** 1987;67(2):411–9
The onset of function in the inner ear. Papers presented at a symposium. Mexico, July 8, 1986. **Hear Res** 1987; 28(1):1–123
Effects of high intensity pure tone stimulation on the endolymphatic sac. Correlations between cochlear morphology and endolymphatic sac response. Fredelius L, et al. **Hear Res** 1987;29(2–3):139–46
Frequency-dependent self-induced bias of the basilar membrane and its potential for controlling sensitivity and tuning in the mammalian cochlea. LePage EL. **J Acoust Soc Am** 1987 Jul;82(1):139–54
Basilar membrane mechanics at the base of the chinchilla cochlea. I. Input-output functions, tuning curves, and response phases. Robles L, et al. **J Acoust Soc Am** 1986 Nov;80(5):1364–74
Basilar membrane mechanics at the base of the chinchilla cochlea. II. Responses to low-frequency tones and relationship to microphonics and spike initiation in the VIII nerve. Ruggero MA, et al. **J Acoust Soc Am** 1986 Nov; 80(5):1375–83
Phase effects in masking related to dispersion in the inner ear. Smith BK, et al. **J Acoust Soc Am** 1986 Dec; 80(6):1631–7
Wever and Lawrence revisited: effects of nulling basilar membrane movement on concomitant whole-nerve action potential. Offut G. **J Aud Res** 1986 Jan;26(1):43–54
Electrical properties of the otic vesicle epithelium in the chick embryo. Represa JJ, et al. **J Embryol Exp Morphol** 1986 Sep;97:125–39
Neuroactive substances in inner ear extracts. Sewell WF, et al. **J Neurosci** 1987 Aug;7(8):2465–75
Neural activity, alertness and visual orientation in intact and unilaterally labyrinthectomized rabbits. Pyykkö I, et al. **ORL J Otorhinolaryngol Relat Spec** 1987;49(1):26–34
Basilar membrane motion: results of Mössbauer measurements. Rhode WS. **Scand Audiol [Suppl]** 1986; 25:7–15
[Spatial representation of basilar membrane movement with 3D computer graphics] Janssen T, et al. **HNO** 1987 Jul; 35(7):302–9 (Eng. Abstr.) **(Ger)**
[Processing of acoustic stimuli in the inner ear—a review of recent research results] Klinke R. **HNO** 1987 Apr; 35(4):139–48 (Eng. Abstr.) **(Ger)**
[Cervico-vestibular interaction in the control of eye movements] Kobayashi Y. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Mar;90(3):404–11 (Eng. Abstr.) **(Jpn)**
[Stiffness gradient of the basilar membrane and tonotopia in the internal ear of mammals] Prokof'eva LI, et al. **Biol Nauki** 1987;(3):44–50 (Eng. Abstr.) **(Rus)**
[The dependence of the postural response to evoked galvanic stimulation of the labyrinth on the amplitude and frequency of the stimulating current] Križková M, et al. **Bratisl Lek Listy** 1986 Aug;86(2):193–201 (Eng. Abstr.) **(Slo)**

PHYSIOPATHOLOGY

Provocation of nystagmus and deviation by type I allergy in the inner ear of the guinea pig. Miyamura K, et al. **Ann Allergy** 1987 Jan;58(1):36–40
Transfer function of right- and leftward eye movements in patients with unilateral labyrinth. Shibata Y, et al. **Auris Nasus Larynx** 1986;13 Suppl 2:S69–74
The endolymphatic sac in a mouse mutant with cochleo-saccular degeneration. Electrophysiological and ultrastructural correlations. Rask-Andersen H, et al. **Hear Res** 1987;26(2):177–90
Bandage backfall: labyrinthine and non-labyrinthine components. Chen YC, et al. **Physiol Behav** 1986; 37(5):805–14
[The osmotest in evaluating reversible endolymphatic hydrops in patients with Menière's disease] Shvartsman NA. **Vestn Otorinolaringol** 1987 Mar–Apr;(2):24–7 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

The labyrinthine portion of the facial canal. A comparative radioanatomic investigation. Wadin K, et al. **Acta Radiol** 1987 Jan–Feb;28(1):17–23
The labyrinthine portion of the facial canal in patients with Bell's palsy investigated by computed tomography. Wadin K, et al. **Acta Radiol** 1987 Jan–Feb;28(1):25–30

SURGERY

Proceedings of the second international symposium and workshops on surgery of the inner ear. Snowmass-Aspen, Colorado. Part 2. **Am J Otol** 1987 Jul;8(4):271–368
Proceedings of the second international symposium and workshops on surgery of the inner ear. Snowmass-Aspen, Colorado. Part 1. **Am J Otol** 1987 May;8(3):189–268
Panel discussion: The surgical anatomy and fine points of endolymphatic system surgery. Arenberg IK, et al. **Am J Otol** 1987 Jul;8(4):345–54
Results of endolymphatic sac to mastoid shunt surgery for Menière's disease refractory to medical therapy. Arenberg IK. **Am J Otol** 1987 Jul;8(4):335–44
Menière's disease: results of treatment with the endolymphatic subarachnoid shunt compared with the endolymphatic mastoid shunt. Brackmann DE, et al. **Am J Otol** 1987 Jul;8(4):275–82
Cochleovestibular nerve sections in labyrinthectomized patients. Jung TT, et al. **Am J Otol** 1987 Mar;8(2):155–8
Endolymphatic sac surgery for Menière's disease: eighteen years' experience with the Kitahara sac operation. Kitahara M, et al. **Am J Otol** 1987 Jul;8(4):283–6
The role of endolymphatic sac surgery in the management of secondary endolymphatic hydrops associated with perilymphatic fistulas: preliminary observations. Lehrer JF, et al. **Am J Otol** 1987 Mar;8(2):93–5
Endolymphatic sac enhancement. Principles of diagnosis and treatment. Paparella MM, et al. **Am J Otol** 1987 Jul; 8(4):294–300
The Portmann procedure after sixty years. Portmann M. **Am J Otol** 1987 Jul;8(4):271–4
Techniques for decreasing the incidence of cerebrospinal fluid leaks following translabyrinthine surgery. Sataloff RT, et al. **Am J Otol** 1987 Jan;8(1):73–4
Valved implants in endolymphatic sac surgery. Wright JW 3d, et al. **Am J Otol** 1987 Jul;8(4):307–12
Suboccipital removal of vestibular neurinoma with preservation of the labyrinth. Palva T, et al. **Ann Clin Res** 1986;18 Suppl 47:33–6
Behavior of vestibular neurons following labyrinthectomy [letter] Schuknecht HF. **Ann Otol Rhinol Laryngol** 1987 Mar–Apr;96(2 Pt 1):238
Should the membranous labyrinth be destroyed because of vertigo? Roland PS, et al. **Otolaryngol Head Neck Surg** 1986 Dec;95(5):550–3
The state of tinnitus after inner ear surgery. Silverstein H, et al. **Otolaryngol Head Neck Surg** 1986 Nov;95(4):438–41

ULTRASTRUCTURE

Ultrastructural findings in a case of Menière's disease. Nadol JB Jr, et al. **Ann Otol Rhinol Laryngol** 1987 Jul–Aug; 96(4):449–54
Electron microscopic study of the inner ear following anaphylaxis. Ohashi Y, et al. **Ann Otol Rhinol Laryngol** 1987 May–Jun;96(3 Pt 1):340–2
Sensory and nonsensory ciliated cells in the ear of the sea lamprey, Petromyzon marinus. Popper AN, et al. **Brain Behav Evol** 1987;30(1–2):43–61
[Melanocytes of the semilunar planes of the internal ear in the guinea pig. Histochemical and ultrastructural research] Mazzoni M, et al. **Arch Ital Anat Embriol** 1986 Jan–Apr; 91(1):43–61 (Eng. Abstr.) **(Ita)**

LABYRINTH DISEASES

Overview of inner ear disease. Arenberg IK. **Am J Otol** 1987 May;8(3):189–94 (5 ref.)

CHEMICALLY INDUCED

Cumulative and acute toxicity of repeated high-dose tobramycin treatment in cystic fibrosis. Pedersen SS, et al. **Antimicrob Agents Chemother** 1987 Apr;31(4):594–9
Light microscopic evidence of hair cell regeneration after gentamicin toxicity in chick cochlea. Cruz RM, et al. **Arch Otolaryngol Head Neck Surg** 1987 Oct; 113(10):1058–62
[Studies of ototoxicity and its correction in mouse embryo model inner ear organ cultures] Pal'chun VT, et al. **Vestn Otorinolaringol** 1987 Jul–Aug;(4):9–11 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

The role of endolymphatic sac surgery in the management of secondary endolymphatic hydrops associated with perilymphatic fistulas: preliminary observations. Lehrer JF, et al. **Am J Otol** 1987 Mar;8(2):93–5
Vestibular habituation training and posturography in benign paroxysmal positioning vertigo. Norré ME, et al. **ORL J Otorhinolaryngol Relat Spec** 1987;49(1):22–5
Peripheral labyrinthine causes of dizziness. Harner SG. **Postgrad Med** 1987 Mar;81(4):251–8
Diagnosis and management of perilymph fistula in patients with preexisting hearing loss. Hendrix RA, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(2):434–6

DIAGNOSIS

Optimizing MR imaging for detecting small tumors in the cerebellopontine angle and internal auditory canal. Enzmann DR, et al. **AJNR** 1987 Jan–Feb;8(1):99–106
Concurrent validity of equilibrium tests in boys with learning disabilities with and without vestibular dysfunction. Bundy AC, et al. **Am J Occup Ther** 1987 Jan;41(1):28–34
The influence of eye movements and tactile information on postural sway in patients with peripheral vestibular lesions. Kotaka S, et al. **Auris Nasus Larynx** 1986;13 Suppl 2:S153–9
The impedance bridge and ENG controlled fistula test: results in children with unilateral deafness and comparison with normal controls. Kenyon GS, et al. **Clin Otolaryngol** 1987 Apr;12(2):137–41
Screening methods for caloric testing. Norré ME. **Clin Otolaryngol** 1987 Jun;12(3):161–6
[Pathophysiology of the perilymphatic fistula] Fukaya T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Dec; 89(12):1772–6 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Give a drug a bad name: cinnarizine [letter] Brand JJ. **Lancet** 1986 Nov 1;2(8514):1034
Third International Symposium on Audiological Medicine. Visby, Gotland, Sweden, August 18–21, 1985. Pharmacological treatment of inner ear disorders. Audiological aspects of secretory otitis media. **Scand Audiol [Suppl]** 1986;26:1–96
Rheological effects of pharmacological treatment of inner ear disorders. Hörmann K. **Scand Audiol [Suppl]** 1986; 26:47–8
Pharmacological treatment of immune-mediated inner ear disorders. A clinical immunology and audiology survey. Veldman JE. **Scand Audiol [Suppl]** 1986;26:21–6

ETIOLOGY

Effects of a high jugular fossa and jugular bulb diverticulum on the inner ear. A clinical and radiologic investigation. Wadin K, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Nov–Dec;27(6):629–36
Viral labyrinthitis/encephalitis: Marondera area [letter] Turner GD. **Cent Afr J Med** 1986 Aug;32(8):200–1
Labyrinthine window rupture with round window predominance: a long-term review of 32 cases. Muntarbhorn K, et al. **Clin Otolaryngol** 1987 Apr; 12(2):103–8
Perilymph fistulas caused by myringotomy. Jensen JH. **ORL J Otorhinolaryngol Relat Spec** 1986;48(5):293–6
[Weather status and incidence of idiopathic facial nerve paralyses, vestibular disorders, Menière's attacks and sudden deafness] Herbert I, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 May;66(5):249–50 (Eng. Abstr.) **(Ger)**
[Clinical analysis of a fistula of the lateral semicircular canal] Goździk-Zolnierkiewicz T, et al. **Otolaryngol Pol** 1986; 40(4):255–61 (Eng. Abstr.) **(Pol)**
[Vestibular disorders in patients with cerebral cortex

ischemia] Marinković SB, et al. **Srp Arh Celok Lek** 1986 Oct;114(10):963–8 (Eng. Abstr.) **(Scc)**

FAMILIAL & GENETIC

Otoconial pathology in a strain of the waltzing guinea pig. Sobin A, et al. **Am J Otol** 1986 Nov;7(6):449–53

IMMUNOLOGY

[Lymphocyte subpopulations and HLA-DR determinations in diseases of the inner ear and Bell's palsy] Bumm P, et al. **HNO** 1986 Dec;34(12):525–7 (Eng. Abstr.) **(Ger)**

[Progressive inner ear diseases—sequelae of a secondary autoimmune process? Significance of antibodies to endoplasmic reticulum] Zanetti F, et al. **HNO** 1987 Jan; 35(1):34–7 (Eng. Abstr.) **(Ger)**

[Optimization of the immunofluorescence test for antibodies in the serum of patients with inner ear diseases] Wei NR, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Jan;66(1):6–10 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

The role of acute and latent virus infections in the pathogenesis of inner ear disturbances. Falser N, et al. **Am J Otol** 1987 Mar;8(2):136–47

OCCURRENCE

[Epidemiologic study of labyrinth disorders] Klemm E, et al. **Z Arztl Fortbild (Jena)** 1986;80(21):905–7 **(Ger)**

PATHOLOGY

Endolymphatic hydrops in perilymphatic fistula. Nomura Y, et al. **Acta Otolaryngol (Stockh)** 1987 May–Jun; 103(5–6):469–76

Intralabyrinthine osteogenesis in Cogan's syndrome. Rarey KE, et al. **Am J Otolaryngol** 1986 Nov–Dec;7(6):387–90

Localization, frequency, and severity of endolymphatic hydrops and the pathology of the labyrinthine membrane in Menière's disease. Okuno T, et al. **Ann Otol Rhinol Laryngol** 1987 Jul–Aug;96(4):438–45

PHYSIOPATHOLOGY

Posturography measuring instability in vestibular dysfunction in the elderly. Norre ME, et al. **Age Ageing** 1987 Mar; 16(2):89–93

Comparison of smooth pursuit and combined eye-head tracking in human subjects with deficient labyrinthine function. Leigh RJ, et al. **Exp Brain Res** 1987;66(3):458–64

Rapidly fluctuating thresholds at the onset of experimentally-induced hydrops in the guinea pig. Horner KC, et al. **Hear Res** 1987;26(3):319–25

[Recruitment and diplacusis. Current physiopathological concept] Bonfils P, et al. **Ann Otolaryngol Chir Cervicofac** 1987;104(3):213–7 (Eng. Abstr.) **(Fre)**

[Disorders of vestibular function of children with middle ear diseases according to the results of cupulometry and the sinusoidal test] Mostovaia TS. **Vestn Otorinolaringol** 1987 Jul–Aug;(4):19–21 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Pathogenetic basis for preventing the ototoxic action of antibiotics in an acute experiment on animals] Sagalovich BM, et al. **Vestn Otorinolaringol** 1987 Mar–Apr;(2):16–21 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Complicated cholesteatomas: CT findings in inner ear complications of middle ear cholesteatomas. Silver AJ, et al. **Radiology** 1987 Jul;164(1):47–51

REHABILITATION

[Otoneurological therapy without drugs or surgery: psychomotor management] Hadj-Djilani A. **Ther Umsch** 1987 Feb;44(2):151–8 (Eng. Abstr.) **(Fre)**

SURGERY

Proceedings of the second international symposium and workshops on surgery of the inner ear. Snowmass-Aspen, Colorado. Part 1. **Am J Otol** 1987 May;8(3):189–268

Surgical management of labyrinthine fistula with cholesteatoma. Gormley PK. **J Laryngol Otol** 1986 Oct; 100(10):1115–23

Persistent traumatic perilymph fistulas. Glasscock ME 3d, et al. **Laryngoscope** 1987 Jul;97(7 Pt 1):860–4

Results of surgical repair of inapparent perilymph fistulas. Parell GJ, et al. **Otolaryngol Head Neck Surg** 1986 Oct; 95(3 Pt 1):344–6

Combined perilymphatic fistulas of the round window and lateral semicircular canal. A report of 2 cases. Yaniv E, et al. **S Afr Med J** 1987 Mar 21;71(6):391–2

[Surgery of acoustic neuroma and other tumors of the internal auditory canal and cerebellopontile angle. Apropos of 602 cases] Sterkers JM, et al. **Ann Otolaryngol Chir Cervicofac** 1986;103(7):487–92 (Eng. Abstr.) **(Fre)**

THERAPY

[Acute diseases of the inner ear] van der Baan S, et al. **Ned Tijdschr Geneeskd** 1987 Apr 25;131(17):717–9 **(Dut)**

VETERINARY

Vacuolar degeneration of the cochlea in young rats. Braniš M, et al. **J Comp Pathol** 1987 Jan;97(1):91–4

LABYRINTH SUPPORTING CELLS see under **ORGAN OF CORTI**

LABYRINTHINE FLUIDS

Endolymphatic hydrops in perilymphatic fistula. Nomura Y, et al. **Acta Otolaryngol (Stockh)** 1987 May–Jun; 103(5–6):469–76

Induction of experimental endolymphatic hydrops by immunologic techniques. Sawada I, et al. **Am J Otol** 1987 Jul;8(4):330–4

Panel discussion: Perilymphatic fistula. Singleton G, et al. **Am J Otol** 1987 Jul;8(4):355–63

Early hair cell loss in experimental hydrops. Albers FW, et al. **Ann Otol Rhinol Laryngol** 1987 May–Jun;96(3 Pt 1):282–5

Monitoring of the glycerol test with sinusoidal harmonic acceleration in Menière's disease patients. Ballad WJ, et al. **Ann Otol Rhinol Laryngol** 1987 May–Jun;96(3 Pt 1):286–90

Perilymphatic fistula: a histopathologic study. Kohut RI, et al. **Ann Otol Rhinol Laryngol** 1986 Sep–Oct;95(5 Pt 1):466–71

The impedance bridge and ENG controlled fistula test: results in children with unilateral deafness and comparison with normal controls. Kenyon GS, et al. **Clin Otolaryngol** 1987 Apr;12(2):137–41

Labyrinthine window rupture with round window predominance: a long-term review of 32 cases. Muntarbhorn K, et al. **Clin Otolaryngol** 1987 Apr; 12(2):103–8

Persistent traumatic perilymph fistulas. Glasscock ME 3d, et al. **Laryngoscope** 1987 Jul;97(7 Pt 1):860–4

Perilymph fistulas caused by myringotomy. Jensen JH. **ORL J Otorhinolaryngol Relat Spec** 1986;48(5):293–6

Results of surgical repair of inapparent perilymph fistulas. Parell GJ, et al. **Otolaryngol Head Neck Surg** 1986 Oct; 95(3 Pt 1):344–6

[Pathophysiology of the perilymphatic fistula] Fukaya T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Dec; 89(12):1772–6 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Perilymphatic calcium and VIII nerve action potentials during gentamicin bolus i.v. injections. A preliminary study. Bernard PA, et al. **Acta Otolaryngol (Stockh)** 1987 May–Jun;103(5–6):400–3

Differential uptake of salicylate in serum, cerebrospinal fluid, and perilymph. Jastreboff PJ, et al. **Arch Otolaryngol Head Neck Surg** 1986 Oct;112(10):1050–3

The Ca2+ activity of cochlear endolymph of the guinea pig and the effect of inhibitors. Ikeda K, et al. **Hear Res** 1987;26(1):117–25

Changes in endolymph chloride concentration following furosemide injection. Rybak LP, et al. **Hear Res** 1986; 24(2):133–6

[Sample distribution of inner ear fluids in the submicroliter range] Giebel W, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Jan;66(1):11–5 (Eng. Abstr.) **(Ger)**

[Effect of the changes in the perilymphatic ionic composition of the N1 response of guinea pig: the first report, potassium and sodium changes] Ikeda K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Jan;90(1):8–13 (Eng. Abstr.) **(Jpn)**

[Effect of the change in the perilymphatic ionic composition on the N1 response in guinea pig: the second report, calcium change] Ikeda K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Feb;90(2):191–5 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

The osmotic effect of glycerol on the stria vascularis and endolymph. Duvall AJ 3d, et al. **Acta Otolaryngol (Stockh)** 1987 Mar–Apr;103(3–4):241–53

Effects of isosorbide on perilymphatic pressure and oxygenation. Nagahara K, et al. **Am J Otol** 1987 Jan; 8(1):30–4

Effect of glycerol on inner ear fluid electrolytes and osmolalities in guinea pigs. Ueda H, et al. **Ann Otol Rhinol Laryngol** 1987 Jul–Aug;96(4):461–7

[Effects of mannitol on the fluids of the internal ear. Use in the treatment of deafness] Sterkers O, et al. **Ann Otolaryngol Chir Cervicofac** 1987;104(2):127–35 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

[Proteolytic activity of the perilymph in patients with otosclerosis after conservative therapy] Galochkin VI. **Vestn Otorinolaringol** 1987 Jan–Feb;(1):15–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Calcium transport in the endolymphatic space of cochlea and vestibular organ. Ninoyu O, et al. **Acta Otolaryngol (Stockh)** 1986 Sep–Oct;102(3–4):222–7

Facilitated transfer of glucose from blood into perilymph in the rat cochlea. Ferrary E, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F59–65

Na and nonelectrolyte entry into inner ear fluids of the rat. Sterkers O, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F50–8

Vasopressin entry into the inner ear fluids of the rat. Sziklai I, et al. **Hear Res** 1987;29(2–3):245–50

Biochemical aspects of inner ear fluids and possible implications for pharmacological treatment. Juhn SK, et al. **Scand Audiol [Suppl]** 1986;26:7–10

[Pharmacokinetics of amikacin in the perilymph and blood serum. An approach to the comparative evaluation of the potential ototoxicity of aminoglycoside antibiotics] Dolgova GV, et al. **Antibiot Med Biotekhnol** 1986 Dec; 31(12):909–13 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Recovery and probable persistence of cytomegalovirus in human inner ear fluid without cochlear damage. Davis LE, et al. **Ann Otol Rhinol Laryngol** 1987 Jul–Aug;96(4):380–3

PHYSIOLOGY

Transmission of square wave pressure pulses through the perilymphatic fluid in cats. Densert B, et al. **Acta Otolaryngol (Stockh)** 1986 Sep–Oct;102(3–4):186–93

Transmission of complex pressure waves through the perilymphatic fluid in cats. Densert B, et al. **Acta Otolaryngol (Stockh)** 1986 Nov–Dec;102(5–6):403–9

The effect of the cationic composition in perilymph upon the N1 latency of the guinea pig. Ikeda K, et al. **Acta Otolaryngol (Stockh)** 1987 Jan–Feb;103(1–2):43–9

The influence of semicircular canal morphology on endolymph flow dynamics. An anatomically descriptive mathematical model. Oman CM, et al. **Acta Otolaryngol (Stockh)** 1987 Jan–Feb;103(1–2):1–13

Effects of experimental renal insufficiency on the osmotic pressure and the biochemical composition of perilymph. Urquiza R, et al. **Acta Otolaryngol (Stockh)** 1986 Sep–Oct; 102(3–4):234–8

Fluid flow in the cochlear aqueduct and cochlea–hydrodynamic considerations in perilymph fistula, stapes gusher, and secondary endolymphatic hydrops. Allen GW. **Am J Otol** 1987 Jul;8(4):319–22

Endolymphatic pressure in experimental hydrops. Ito S, et al. **Arch Otolaryngol Head Neck Surg** 1987 Aug; 113(8):833–5

Inhibition of myosin light-chain kinase activity in the organ of Corti by 0.3–5 kilodalton substances of the otosclerotic perilymph. Sziklai I, et al. **Arch Otorhinolaryngol** 1986; 243(4):229–32

Uptake of horseradish peroxidase from perilymph by cochlear hair cells. Leake PA, et al. **Hear Res** 1987; 25(2–3):153–71

Longitudinal flow of macromolecules in the endolymphatic space of the rat. An autoradiographical study. Manni JJ, et al. **Hear Res** 1987;26(3):229–37

Endolymph formation in the inner ear of pigeons. Ninoyu O, et al. **ORL J Otorhinolaryngol Relat Spec** 1987;49(1):1–8

[Scanning electron microscopy studies of the structure of tissue in the cochlear opening of the cochlear aqueduct] Galić M, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Jan; 66(1):1–5 (Eng. Abstr.) **(Ger)**

[Experimental study of nystagmus due to alteration (specific gravity and gradient of electrolytes) of the inner ear fluid] Shigeno K. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Aug; 89(8):986–98 (Eng. Abstr.) **(Jpn)**

LABYRINTHITIS see under **LABYRINTH DISEASES**

LAC OPERON

Singlet oxygen mutagenicity induced in the lac operon. Decuyper-Debergh D, et al. **Arch Int Physiol Biochim** 1986 Dec;94(5):S35–8

High-resolution analysis of lac transcription complexes inside cells. Borowiec JA, et al. **Biochemistry** 1986 Sep 9; 25(18):5051–7

Kinetics and sequence specificity of drug–DNA interactions: an in vitro transcription assay. Phillips DR, et al. **Biochemistry** 1986 Nov 18;25(23):7355–62

lac repressor can regulate expression from a hybrid SV40 early promoter containing a lac operator in animal cells. Brown M, et al. **Cell** 1987 Jun 5;49(5):603–12

The inducible lac operator–repressor system is functional in mammalian cells. Hu MC, et al. **Cell** 1987 Feb 27; 48(4):555–66

lac repressor forms loops with linear DNA carrying two suitably spaced lac operators. Krämer H, et al. **EMBO J** 1987 May;6(5):1481–91

Lac repressor–Lac operator complexes. Solution X-ray scattering and electrophoretic studies. Culard F, et al. **Eur Biophys J** 1987;14(3):169–78

Isolation of DNA–protein complexes based on streptavidin and biotin interaction. Leblond-Francillard M, et al. **Eur J Biochem** 1987 Jul 15;166(2):351–5

Base substitution mutants of the lac operator: in vivo and in vitro affinities for lac repressor. Betz JL, et al. **Gene**

1986;50(1-3):123-32
The lac operator as a phenotypic label for DNA fragments cloned in Escherichia coli. Danner DB. **Gene** 1986; 44(2-3):193-9
Improved single and multicopy lac-based cloning vectors for protein and operon fusions. Simons RW, et al. **Gene** 1987;53(1):85-96
Phage lambda and plasmid expression vectors with multiple cloning sites and lacZ alpha-complementation. Windle BE. **Gene** 1986;45(1):95-9
Mutations in the lac P2 promoter. Donnelly CE, et al. **J Bacteriol** 1987 May;169(5):1812-7
Supercoiling facilitates lac operator-repressor-pseudooperator interactions. Whitson PA, et al. **J Biol Chem** 1987 Apr 15;262(11):4943-6
Complex of lac repressor headpiece with a 14 base-pair lac operator fragment studied by two-dimensional nuclear magnetic resonance. Boelens R, et al. **J Mol Biol** 1987 Jan 5;193(1):213-6
A general method for isolation of Mu d1-8(Aprlac) operon fusions in Salmonella typhimurium LT2 from Tn10 insertion strains: chlC::Mu d1-8. Kwan HS, et al. **MGG** 1986 Nov;205(2):221-4
The effect of spo0 mutations on the expression of spo0A- and spo0F-lacZ fusions. Yamashita S, et al. **MGG** 1986 Oct;205(1):28-33
Differential enhancement of spontaneous transition mutations in the lacI gene of an Ung- strain of Escherichia coli. Fix DF, et al. **Mutat Res** 1986 Oct;175(2):41-5
Cloning of Lac+ BamHI fragment into transposon Tn3 and transposition of the Tn3[lac] element. Manis J, et al. **Plasmid** 1980 Sep;4(2):170-4
In situ detection of beta-galactosidase in lenses of transgenic mice with a gamma-crystallin/lacZ gene. Goring DR, et al. **Science** 1987 Jan 23;235(4787):456-8
[Gene fusion in studies on gene expression regulation and protein analysis. Use of lac fusion] Wild J. **Postepy Biochem** 1986;32(4):421-43 **(Pol)**

LACQUER see under PAINT

LACRIMAL APPARATUS

see related
TEARS

Externalized silicone tube in single canalicular intubation. Braverman DE, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 1):335-6
A method of securing double silicone tube intubation of the lacrimonasal system [letter] Romano PE. **Arch Ophthalmol** 1987 Jun;105(6):746-7
Argyrosis of the lacrimal sac. Loeffler KU, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(2):146-50
Punctal occlusion. Lamberts D. **Int Ophthalmol Clin** 1987 Spring;27(1):44-6
An ounce of prevention is worth a pound of cure [letter] Romano PE. **Ophthalmic Surg** 1987 Apr;18(4):318
Lacrimal intubation in the primary repair of midfacial fractures. Harris GJ, et al. **Ophthalmology** 1987 Mar; 94(3):242-7
Timing of initial probing and irrigation in congenital nasolacrimal duct obstruction. Katowitz JA, et al. **Ophthalmology** 1987 Jun;94(6):698-705
Primary acquired nasolacrimal duct obstruction. A clinicopathologic report and biopsy technique. Linberg JV, et al. **Ophthalmology** 1986 Aug;93(8):1055-63
Results of late probing for congenital nasolacrimal duct obstruction. el-Mansoury J, et al. **Ophthalmology** 1986 Aug; 93(8):1052-4
The treatment of aqueous-deficient dry eye with removable punctal plugs. A clinical and impression-cytologic study. Willis RM, et al. **Ophthalmology** 1987 May;94(5):514-8
Radiotherapy for lacrimal gland tumours. Brada M, et al. **Radiother Oncol** 1987 Jul;9(3):175-83
[Concretions in the nasolacrimal duct and lacrimal sac] Eichholtz W, et al. **Klin Monatsbl Augenheilkd** 1986 Jul; 189(1):55-6 (Eng. Abstr.) **(Ger)**
[The study of tear sampling method--comparison of the components of meniscus tears and lacrimal duct tears] Ishida T, et al. **Nippon Ganka Gakkai Zasshi** 1987 Apr; 91(4):473-80 (Eng. Abstr.) **(Jpn)**
[Seldom found foreign bodies in the lacrimal tract, oral cavity and pharynx] Pawlowski A, et al. **Otolaryngol Pol** 1986; 40(2):128-31 (Eng. Abstr.) **(Pol)**

ABNORMALITIES

Congenital absence of the lacrimal gland. Keith CG, et al. **Am J Ophthalmol** 1986 Dec 15;102(6):800-1
Congenital absence of lacrimal puncta and of all major salivary glands: case report and literature review. Higashino H, et al. **Clin Pediatr (Phila)** 1987 Jul;26(7):366-8
LADD syndrome: a distinct entity? [letter] Hennekam RC. **Eur J Pediatr** 1987 Jan;146(1):94-5
Syndrome of genital, renal, and middle ear anomalies: a third family and report of a pregnancy. King LA, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):491-3
[A family with the EEC syndrome (ectrodactily, ectodermal dysplasia clefting syndrome): clinical variability and genetic counseling] Gualandri V, et al. **J Fr Ophtalmol** 1986; 9(12):855-7 (Eng. Abstr.) **(Fre)**
[Accessory lacrimal caruncle] Reznikov IuE. **Oftalmol Zh** 1987;(4):252 **(Rus)**

ANATOMY & HISTOLOGY

The harderian gland: its tumors and its relevance to humans. Albert DM, et al. **Trans Am Ophthalmol Soc** 1986;84:321-41 (55 ref.)
[The ductus nasolacrimalis membranosus in Chinese adults] Chen CF. **Chung Hua Yen Ko Tsa Chih** 1987 Jan;23(1):47-9 (Eng. Abstr.) **(Chi)**
[Structuro-functional units of the salivary and lacrimal glands] Kostilenko IuP, et al. **Arkh Anat Gistol Embriol** 1986 Sep;91(9):80-6 (Eng. Abstr.) **(Rus)**
[The lacrimal point: anatomo-physiological parallels] Sultanov MIu, et al. **Oftalmol Zh** 1986;(5):304-6 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

[The lacrimal artery. Variations] Ducasse A, et al. **Bull Soc Ophtalmol Fr** 1986 Mar;86(3):377-8, 381-5 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Growth of exocrine acinar cells on a reconstituted basement membrane gel. Oliver C, et al. **In Vitro Cell Dev Biol** 1987 Jul;23(7):465-73

DRUG EFFECTS

Isotretinoin in lacrimal gland fluid and tears. Rismondo V, et al. **Arch Ophthalmol** 1987 Mar;105(3):416-20
[Complications following temporary occlusion of the nasolacrimal duct with tissue adhesive (Histoacryl)] Köhler U. **Klin Monatsbl Augenheilkd** 1986 Dec;189(6):486-90 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Synthesis of methyl-branched fatty acids from methylmalonyl-CoA by fatty acid synthase from both the liver and the harderian gland of the guinea pig. Kolattukudy PE, et al. **Arch Biochem Biophys** 1987 May 15;255(1):205-9
Characterization of sn-glycerol 3-phosphate acyltransferase from guinea pig harderian gland microsomes. Kume K, et al. **J Biochem (Tokyo)** 1987 Mar;101(3):653-60
Characterization of type-II thyroxine 5'-deiodinase activity in rat Harderian gland. Guerrero JM, et al. **Life Sci** 1987 Aug 31;41(9):1179-85

IMMUNOLOGY

The immune response of the lacrimal gland to antigenic exposure. Allansmith MR, et al. **Curr Eye Res** 1987 Jul; 6(7):921-7

INJURIES

[Treatment of palpebral and lacrimal wounds] Betz P. **Bull Soc Belge Ophtalmol** 1986;217:11-7 (Eng. Abstr.) **(Fre)**
[Use of an embolectomy probe to repair a sectioned lacrimal duct] Zato M, et al. **J Fr Ophtalmol** 1986;9(12):833-6 (Eng. Abstr.) **(Fre)**
[Reconstruction of the lacrimal apparatus after injury. II. Results] Gluza J. **Klin Oczna** 1986 Dec;88(12):424-5 (Eng. Abstr.) **(Pol)**
[Reconstruction of the lacrimal apparatus after injury. I. Methods] Gluza J. **Klin Oczna** 1986 Dec;88(12):420-3 (Eng. Abstr.) **(Pol)**
[Instrument for restoring damaged lacrimal ducts] Kiselev GA, et al. **Oftalmol Zh** 1986;(5):318 **(Rus)**

INNERVATION

[Role of sympathetic nerve in lacrimal secretion. I. Histochemical and electron microscopic study in the distribution of noradrenergic nerves in the lacrimal gland of the albino rabbit] Masaoka N. **Nippon Ganka Gakkai Zasshi** 1986 Nov;90(11):1346-55 (Eng. Abstr.) **(Jpn)**

METABOLISM

N-acetyltransferase activity, hydroxyindole-O-methyltransferase activity, and melatonin levels in the Harderian glands of the female Syrian hamster: changes during the light:dark cycle and the effect of 6-parachlorophenylalanine administration. Menendez-Pelaez A, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1231-8
Relationship between lacrimal gland, isolated cells (lacrimocytes) and tears: biochemical and histological studies in the rabbit eye. Gachon AM, et al. **Curr Eye Res** 1986 Sep;5(9):647-54
Hormone regulation of the rodent Harderian gland: binding properties of the androgen receptor in the male golden hamster. Vilchis F, et al. **J Endocrinol** 1987 Jan;112(1):3-8
Effects of lighting conditions and of hormone replacement on the level of porphyrins in the rat Harderian gland. Shirama K, et al. **J Endocrinol Invest** 1987 Feb;10(1):79-82
The effect of acetylcholine on chloride transport across the mouse lacrimal gland acinar cell membranes. Saito Y, et al. **Pflugers Arch** 1987 Jul;409(3):280-8

PATHOLOGY

Pleomorphic adenoma ('benign mixed tumor') of the lacrimal gland. Shields JA, et al. **Arch Ophthalmol** 1987 Apr; 105(4):560-1
An observation on pathological changes of lacrimal sac in chronic dacryocystitis. Thakur S. **Indian J Ophthalmol** 1985 Jul-Aug;33(4):251-3

PHYSIOLOGY

Muscarinic response in rat lacrimal glands. Marty A, et al. **J Exp Biol** 1986 Sep;124:15-32
Calcium-dependent chloride currents in isolated cells from rat lacrimal glands. Evans MG, et al. **J Physiol (Lond)** 1986 Sep;378:437-60
Acetylcholine modulation of the conductance of intercellular junctions between rat lacrimal cells. Neyton J, et al. **J Physiol (Lond)** 1986 Aug;377:283-95
Expression of six mouse major urinary protein genes in the mammary, parotid, sublingual, submaxillary, and lachrymal glands and in the liver. Shahan K, et al. **Mol Cell Biol** 1987 May;7(5):1947-54
[Analysis of basal and stimulated reflex tear volume by an electronic resistance measurement] Kono K. **Nippon Ganka Gakkai Zasshi** 1986 Aug;90(8):1097-101 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Dacryocystography: the technique and its role in the practice of ophthalmology. Millman AL, et al. **Radiol Clin North Am** 1987 Jul;25(4):781-6
[Numerical analysis of intubation dacryocystography of the normal lacrimal drainage system] Du L. **Chung Hua Yen Ko Tsa Chih** 1986 May;22(3):174-8 (Eng. Abstr.) **(Chi)**
[Comparison of intubation dacryocystography and quantitative lacrimal scintillography] Du L. **Chung Hua Yen Ko Tsa Chih** 1986 Nov;22(6):353-7 (Eng. Abstr.) **(Chi)**
[Digital subtraction dacryocystography and sialography] Gmelin E, et al. **ROFO** 1987 Jun;146(6):643-6 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

[Comparison of intubation dacryocystography and quantitative lacrimal scintillography] Du L. **Chung Hua Yen Ko Tsa Chih** 1986 Nov;22(6):353-7 (Eng. Abstr.) **(Chi)**
[Dacryoscintigraphy: execution and examination technic in normal subjects] Carnevalini A, et al. **J Fr Ophtalmol** 1986; 9(11):743-5 (Eng. Abstr.) **(Fre)**

SECRETION

[Lacrimation] Araie N. **Nippon Rinsho** 1986 Jul;44(7):1516-20 (10 ref.) **(Jpn)**

SURGERY

Acute frontal sinusitis after lacrimal surgery. Wesley RE, et al. **Ann Ophthalmol** 1986 Dec;18(12):350-3
Intranasal microsurgery of all paranasal sinuses, the septum, and the lacrimal sac with hypotensive anesthesia. 25 years' experience. Heermann J, et al. **Ann Otol Rhinol Laryngol** 1986 Nov-Dec;95(6 Pt 1):631-8
Prevention of prolapsed silicone stents in dacryocystorhinostomy surgery [letter] Jordan DR, et al. **Arch Ophthalmol** 1987 Apr;105(4):455
Management of unsuccessful lacrimal surgery. Welham RA, et al. **Br J Ophthalmol** 1987 Feb;71(2):152-7
External dacryocystorhinostomy results. Gelisken O, et al. **Bull Soc Belge Ophtalmol** 1985;216 Pt 2:103-6
New techniques in suture-aided tear duct intubation [published erratum appears in Ophthalmic Surg 1987 Jul;18(7):following 549] Hedges CC. **Ophthalmic Surg** 1987 Jan;18(1):45-6
The slip knot for dacryocystorhinostomy flap closure. Jordan DR, et al. **Ophthalmic Surg** 1986 Nov;17(11):754-6
Fistulous tract after conjunctivodacryocystorhinostomy. Nagashima K. **Ophthalmic Surg** 1986 Dec;17(12):809
The effectiveness of the pigtail probe method of repairing canalicular lacerations. Saunders DH, et al. **Ophthalmic Surg** 1978 Jun;9(3):33-40
A new lacrimal scissors. Shorr N, et al. **Ophthalmic Surg** 1987 Jul;18(7):543
Hydraulic dissection of the nasal muco-periosteum in dacryocystorhinostomy. Wiesen AM. **Ophthalmic Surg** 1978 Oct;9(5):89-92
Ectropionization of the lacrimal punctum in Sjögren's syndrome. Murube-del-Castillo J. **Scand J Rheumatol [Suppl]** 1986;61:268-9
An investigation into the efficacy of probing the nasolacrimal duct as a treatment for epiphora in adults. Bell TA. **Trans Ophthalmol Soc UK** 1986;105 (Pt 4):494-7
Nasolacrimal complications of Avitene (synthetic collagen). LeMasters WC, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(1):390-1
[Sequelae of childhood radiotherapy of the orbito-fronto-nasal area: simultaneous lacrimal anastomoses and bone reconstruction] Réal JP. **Ann Chir Plast Esthet** 1986;31(3):296-300 (Eng. Abstr.) **(Fre)**
[Value of nasal endoscopy in the surgery of the lacrimal apparatus] Ritleng P, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:116-8 **(Fre)**

[The lacrimal problem in the surgery of epithelioma of the eyelids] George JL, et al. **Bull Soc Ophtalmol Fr** 1986 Mar; 86(3):355–7 (Eng. Abstr.) **(Fre)**

[Microsurgical treatment of narrow lacrimal points] Jeancolas D, et al. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):159–61 (Eng. Abstr.) **(Fre)**

[Dacryocystorhinostomy. Retrospective study of 165 cases. Indications. Technic. Results. Comparative study of 25 cases of injury with 165 cases including all etiologies] Adenis JP, et al. **J Fr Ophtalmol** 1987;10(4):323–9 (Eng. Abstr.) **(Fre)**

[Dacryocystorhinostomy in diabetics] Kraiem A, et al. **Tunis Med** 1986 Oct;64(10):873–6 (Eng. Abstr.) **(Fre)**

[Dacryocystoethmoidostomy as a method of surgical treatment in chronic inflammatory diseases of the lacrimal sac] Khristov TsG, et al. **Oftalmol Zh** 1986;(8):487–90 (Eng. Abstr.) **(Rus)**

[Modification of the fenestrated ophthalmic forceps for operations on the lacrimal points and canaliculi] Sultanov MIu, et al. **Vestn Oftalmol** 1987 May–Jun;103(3):69–70 **(Rus)**

ULTRASTRUCTURE

Lacrimal sac mucoepidermoid carcinoma. Blake J, et al. **Br J Ophthalmol** 1986 Sep;70(9):681–5

Ultrastructural study of the lacrimal gland in a case of Sjögren's syndrome. Chomette G, et al. **Scand J Rheumatol [Suppl]** 1986;61:71–5

LACRIMAL APPARATUS DISEASES

Glucocorticoid insufficiency, achalasia, alacrima with autonomic motor neuropathy. Stuckey BG, et al. **Ann Intern Med** 1987 Jan;106(1):61–3

Oncocytoma of the lacrimal caruncle. Heathcote JG, et al. **Can J Ophthalmol** 1986 Aug;21(5):178–83

Pleomorphic adenoma of the lacrimal gland (a case report). Desouza C, et al. **J Postgrad Med** 1987 Jan;33(1):41–2

CLASSIFICATION

Types and frequency of lesions of the caruncle. Shields CL, et al. **Am J Ophthalmol** 1986 Dec 15;102(6):771–8

COMPLICATIONS

Diverticulum of the lacrimal sac associated with rhinosporidiosis. Krishnan MM, et al. **Br J Ophthalmol** 1986 Nov;70(11):867–8

DIAGNOSIS

Antenatal sonographic detection of benign dacrocystoceles (lacrimal duct cysts). Davis WK, et al. **J Ultrasound Med** 1987 Aug;6(8):461–5

[Dysfunction of lacrimation] Ochi M. **Nippon Rinsho** 1986 Jul;44(7):1575–9 (20 ref.) **(Jpn)**

ETIOLOGY

Crocodile tears syndrome. Garmizo G. **J Am Optom Assoc** 1987 Jun;58(6):506–8

IMMUNOLOGY

The autoimmune nature of aqueous tear deficiency. Pflugfelder SC, et al. **Ophthalmology** 1986 Dec; 93(12):1513–7

PATHOLOGY

Lacrimal sac mucoepidermoid carcinoma. Blake J, et al. **Br J Ophthalmol** 1986 Sep;70(9):681–5

Adenosquamous carcinoma of the lacrimal caruncle: a case report. Nylander AG, et al. **Br J Ophthalmol** 1986 Nov; 70(11):864–6

The postsaccal, idiopathic dacryostenosis—experimental and clinical aspects. Steinkogler FJ. **Doc Ophthalmol** 1986 Sep 30;63(3):265–86

Pleomorphic adenoma of Krause's gland in lower lid. Saini JS, et al. **Indian J Ophthalmol** 1985 May–Jun;33(3):181–2

Lacrimal ductal cysts. Bullock JD, et al. **Ophthalmology** 1986 Oct;93(10):1355–60

Lacrimal sac cyst. Hornblass A, et al. **Ophthalmology** 1987 Jun;94(6):706–8

Canaliculops. Sacks E, et al. **Ophthalmology** 1987 Jan; 94(1):78–81

[Mixed tumor of the lacrimal gland] Cernea P, et al. **Rev Chir [Oftalmol]** 1986 Oct–Dec;30(4):287–90 (Eng. Abstr.) **(Rum)**

RADIOGRAPHY

Lacrimal gland and fossa lesions: role of computed tomography. Mafee MF, et al. **Radiol Clin North Am** 1987 Jul;25(4):767–79 (22 ref.)

Dacryocystography: the technique and its role in the practice of ophthalmology. Millman AL, et al. **Radiol Clin North Am** 1987 Jul;25(4):781–6

[X-ray diagnosis of malignant tumors of the lacrimal gland] Panfilova GV, et al. **Oftalmol Zh** 1986;(5):293–6 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Scintigraphy and contrast radiography for epiphora. Rose JD, et al. **Br J Radiol** 1985 Dec;58(696):1183–6

SURGERY

Conjunctivorhinostomy. A study of 21 cases. Nissen JN, et al. **Acta Ophthalmol (Copenh)** 1987 Feb;65(1):30–6

Recurrent and residual sebaceous carcinoma after Mohs' excision of the primary lesion. Folberg R, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):817–23

Past, present, and future surgical management of malignant epithelial neoplasms of the lacrimal gland. Henderson JW. **Br J Ophthalmol** 1986 Oct;70(10):727–31

External dacryocystorhinostomy results. Gelisken O, et al. **Bull Soc Belge Ophtalmol** 1985;216 Pt 2:103–6

A lacrimal gland cyst in the orbit. von Domarus H. **J Craniomaxillofac Surg** 1987 Apr;15(2):106–9

An investigation into the efficacy of probing the nasolacrimal duct as a treatment for epiphora in adults. Bell TA. **Trans Ophthalmol Soc UK** 1986;105 (Pt 4):494–7

[Value of nasal endoscopy in the surgery of the lacrimal apparatus] Ritleng P, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:116–8 **(Fre)**

[Microsurgical treatment of narrow lacrimal points] Jeancolas D, et al. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):159–61 (Eng. Abstr.) **(Fre)**

[Canalicular pathology] Adenis JP, et al. **J Fr Ophtalmol** 1986;9(4):331–9 **(Fre)**

[Treatment of lacrimal canal stenoses by canaliculoplasty] George JL, et al. **J Fr Ophtalmol** 1986;9(4):291–7 (Eng. Abstr.) **(Fre)**

THERAPY

Lacrimal gland abscess. Harris GJ, et al. **Am J Ophthalmol** 1987 Aug 15;104(2):193–4

Simplified monocanalicular silicone intubation. Case report. Gonnering RS. **Arch Ophthalmol** 1987 Aug;105(8):1024

LACRIMAL DUCT OBSTRUCTION

COMPLICATIONS

Medial ectropion: association with lower lacrimal obstruction and combined management. O'Donnell FE Jr. **Ophthalmic Surg** 1986 Sep;17(9):573–6

CONGENITAL

Timing of initial probing and irrigation in congenital nasolacrimal duct obstruction. Katowitz JA, et al. **Ophthalmology** 1987 Jun;94(6):698–705

DIAGNOSIS

[Comparison of intubation dacryocystography and quantitative lacrimal scintillography] Du L. **Chung Hua Yen Ko Tsa Chih** 1986 Nov;22(6):353–7 (Eng. Abstr.) **(Chi)**

[Concretions in the nasolacrimal duct and lacrimal sac] Eichholtz W, et al. **Klin Monatsbl Augenheilkd** 1986 Jul; 189(1):55–6 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Anterior encephalocele presenting as nasolacrimal obstruction. Rashid ER, et al. **Ann Ophthalmol** 1986 Apr; 18(4):132, 134–6

Lacrimal canalicular obstruction following herpes zoster ophthalmicus. Panda A, et al. **Indian J Pediatr** 1986 Nov–Dec;53(6):817–9

Herpetic canalicular obstruction. Harley RD, et al. **Ophthalmic Surg** 1987 May;18(5):367–70

SURGERY

[Surgical treatment of the lacrimal apparatus—technics and results] Ptok A, et al. **HNO** 1987 May;35(5):188–94 (Eng. Abstr.) **(Ger)**

[Instrument for restoring damaged lacrimal ducts] Kiselev GA, et al. **Oftalmol Zh** 1986;(5):318 **(Rus)**

LACTALBUMIN

Crystallographic analysis of the three-dimensional structure of baboon alpha-lactalbumin at low resolution. Homology with lysozyme. Smith SG, et al. **Biochem J** 1987 Mar 1; 242(2):353–60

Fusion of phospholipid vesicles induced by alpha-lactalbumin at acidic pH. Kim J, et ai. **Biochemistry** 1986 Dec 2;25(24):7867–74

Intramolecular distance measurements in alpha-lactalbumin. Musci G, et al. **Biochemistry** 1986 Aug 26;25(17):4887–91

Is thermally denatured protein unfolded? The example of alpha-lactalbumin. Pfeil W. **Biochim Biophys Acta** 1987 Jan 5;911(1):114–6

Tyrosine group behaviour in bovine alpha-lactalbumin as revealed by its Raman effect. Van Dael H, et al. **Eur Biophys J** 1987;14(7):409–14

Alpha-lactalbumin possesses a novel calcium binding loop. Stuart DI, et al. **Nature** 1986 Nov 6–12;324(6092):84–7

Exposure of tryptophanyl residues in alpha-lactalbumin and lysozyme. Quantitative determination by fluorescence quenching studies. Edwards AM, et al. **Radiat Environ Biophys** 1986;25(2):113–22

ANALYSIS

Identification and the primary structure of equine alpha-lactalbumin B and C (Equus caballus, Perissodactyla). Godovac-Zimmermann J, et al. **Biol Chem Hoppe Seyler** 1987 Apr;368(4):427–33

A non-competitive enzyme immunoassay of human alpha-lactalbumin in biological fluids and tissue extracts. Simíčková M, et al. **Clin Chim Acta** 1987 Mar 30; 163(3):257–65

Human alpha-lactalbumin as a marker of macromolecular absorption. Jakobsson I, et al. **Gut** 1986 Sep;27(9):1029–34

Binding strength of calcium ion to bovine alpha-lactalbumin. Hamano M, et al. **J Biochem (Tokyo)** 1986 Dec; 100(6):1617–22

Radioimmunoassay for measurement of bovine alpha-lactalbumin in serum, milk and tissue culture media. Akers RM, et al. **J Dairy Res** 1986 Aug;53(3):419–29

Physiological and pathological factors influencing bovine alpha-lactalbumin and beta-lactoglobulin concentrations in milk. Caffin JP, et al. **J Dairy Sci** 1985 May;68(5):1087–94

[Immunohistochemistry of alpha-lactalbumin, lactoferrin and trans- ferrin receptor in invasive breast carcinomas with regard to tumor grading, estrogen receptor status and tumor staging] Wrba F, et al. **Verh Dtsch Ges Pathol** 1986; 70:247–50 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Pituitary-induced lactation in mammary gland explants from the pregnant tammar (Macropus eugenii): a negative role for cyclic AMP. Maher F, et al. **Comp Biochem Physiol [A]** 1987;87(4):1107–17

Milk protein synthesis by mammary glands of vitamin D-deficient mice. Bhattacharjee M, et al. **Endocrinology** 1987 Sep;121(3):865–74

BLOOD

Alpha-lactalbumin in bovine serum: relationships with udder development and function. McFadden TB, et al. **J Dairy Sci** 1987 Feb;70(2):259–64

DIAGNOSTIC USE

Quantitative fluorescence microscopy on single capillaries: alpha-lactalbumin transport. Huxley VH, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):H188–97

GENETICS

Organization and sequence of the human alpha-lactalbumin gene. Hall L, et al. **Biochem J** 1987 Mar 15;242(3):735–42

Alpha-lactalbumin and related proteins: a versatile gene family with an interesting parentage. Hall L, et al. **Essays Biochem** 1986;22:1–26 (64 ref.)

Molecular cloning and sequencing of cDNA encoding goat pre alpha-lactalbumin. Kumagai I, et al. **J Biochem (Tokyo)** 1987 Feb;101(2):511–7

METABOLISM

Alpha-lactalbumin in "common" epithelial tumors of the ovary. An immunohistochemical study. Doria MI Jr, et al. **Am J Clin Pathol** 1987 Jun;87(6):752–6

Alpha-lactalbumin binding to membranes: evidence for a partially buried protein. Berliner LJ, et al. **Biochemistry** 1987 Jun 2;26(11):3006–9

Evidence for identity between the equilibrium unfolding intermediate and a transient folding intermediate: a comparative study of the folding reactions of alpha-lactalbumin and lysozyme. Ikeguchi M, et al. **Biochemistry** 1986 Nov 4;25(22):6965–72

Comparison of the binding of Na+ and Ca2+ to bovine alpha-lactalbumin. Desmet J, et al. **Biochim Biophys Acta** 1987 Apr 8;912(2):211–9

Comparison of the roles of insulin and insulin-like growth factor I in casein gene expression and in the development of alpha-lactalbumin and glucose transport activities in the mouse mammary epithelial cell. Prosser CG, et al. **Endocrinology** 1987 Apr;120(4):1411–6

On experimental artifacts in the use of metal ion chelators for the determination of the cation binding constants of alpha-lactalbumin. A reply. Permyakov EA, et al. **J Biol Chem** 1987 Mar 5;262(7):3196–8

[Value and prognostic significance of alpha-lactalbumin (ALA), lactoferrin (Lfr) and HMFG-2 in primary breast cancers. An immunohistochemical study] Wrba F, et al. **Pathologe** 1987 Jan;8(1):25–30 **(Ger)**

PHARMACODYNAMICS

Studies on a trace cell lytic activity associated with alpha-lactalbumin. McKenzie HA, et al. **Biochem Int** 1987 Feb;14(2):347–56

PHYSIOLOGY

Alpha-lactalbumin acts as a bimodal regulator of rat parotid acinar cell growth. Humphreys-Beher MG, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):174–81

Effects of pH, temperature and Ca2+ content on the conformation of alpha-lactalbumin in a medium modelling physiological conditions. Permyakov EA, et al. **Gen Physiol Biophys** 1986 Aug;5(4):377–89

Effect of tryptophan modification in cow and buffalo alpha-lactalbumin on galactosyltransferase

activity—modification by 2-nitrophenyl sulphenyl chloride and 2-hydroxy 5-nitrobenzyl bromide. Phatarphod AD, et al. **Indian J Biochem Biophys** 1987 Feb;24(1):18–23

SECRETION

Inhibition of casein and fat synthesis and alpha-lactalbumin secretion by progesterone in explants from bovine lactating mammary glands. Shamay A, et al. **J Endocrinol** 1987 Apr; 113(1):81–8

LACTAMS

Synthetic analogues (indolactams) of (-)-indolactam-V are new congeners of the teleocidin class of tumor promoters. Hirota M, et al. **Jpn J Cancer Res** 1987 Jun;78(6):577–82

ISOLATION & PURIFICATION

[Isolation and structural elucidation of clausenamide from the leaves of Clausena lansium (Lour.) Skeels] Yang MH, et al. **Yao Hsueh Hsueh Pao** 1987 Jan;22(1):33–40 (Eng. Abstr.) **(Chi)**

METABOLISM

The metabolism of indole alkaloid tumor promoter, (-)-indolactam V, which has the fundamental structure of teleocidins, by rat liver microsomes. Hagiwara N, et al. **Carcinogenesis** 1987 Jul;8(7):963–5

PHARMACODYNAMICS

In vitro antimicrobial activity of some cyclic hydroxamic acids and related lactams. Davis AL, et al. **Antimicrob Agents Chemother** 1978 Mar;13(3):542–4

LACTATE DEHYDROGENASE

Reversible and specific interaction of dehydrogenases with a coenzyme-coated surface continuously monitored with a reflectometer. Mandenius CF, et al. **Anal Biochem** 1986 Sep;157(2):283–8

Proteolytic dimers of porcine muscle lactate dehydrogenase: characterization, folding, and reconstitution of the truncated and nicked polypeptide chain. Opitz U, et al. **Biochemistry** 1987 Mar 10;26(5):1399–406

Structure and function of L-lactate dehydrogenases from thermophilic and mesophilic bacteria, IV. The primary structure of the mesophilic lactate dehydrogenase from Bacillus subtilis. Hediger MA, et al. **Biol Chem Hoppe Seyler** 1986 Sep;367(9):891–903

Amino acid sequence of the L-lactate dehydrogenase of Bacillus caldotenax deduced from the nucleotide sequence of the cloned gene. Barstow DA, et al. **Eur J Biochem** 1987 Jun 15;165(3):581–6

Use of monoclonal antibodies for the preparation of highly active immobilized enzymes. Solomon B, et al. **Methods Enzymol** 1987;135:160–70

Three-dimensional structure of flavocytochrome b2 from baker's yeast at 3.0-A resolution. Xia ZX, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2629–33

ANALYSIS

Progestin stimulation of lactate dehydrogenase in the human breast cancer cell line T-47D. Hagley RD, et al. **Biochim Biophys Acta** 1987 Sep 14;930(2):167–72

Immobilization of lactate dehydrogenase on polyacrylamide beads. Kotormán M, et al. **Biotechnol Appl Biochem** 1986 Feb;8(1):53–9

Activities of glycolytic enzymes in some brain areas of thyroidectomized rats and their response to replacement therapy. Sabell I, et al. **Enzyme** 1987;37(4):169–73

Beta-glucuronidase, LDH and LDH isoenzyme levels and screening for gastric cancer. Finch PJ, et al. **Eur J Surg Oncol** 1986 Sep;12(3):253–6

Gastric enzymes as a screening test for gastric cancer. Finch PJ, et al. **Gut** 1987 Mar;28(3):319–22

Enzyme activity in human gingival crevicular fluid: considerations in data reporting based on analysis of individual crevicular sites. Lamster IB, et al. **J Clin Periodontol** 1986 Sep;13(8):799–804

Characterization of Enterobacter cloacae and E. sakazakii by electrophoretic polymorphism of acid phosphatase, esterases, and glutamate, lactate and malate dehydrogenases. Goullet P, et al. **J Gen Microbiol** 1986 Nov;132 (Pt 11):3105–12

Quantitative determination of glutamate mediated cortical neuronal injury in cell culture by lactate dehydrogenase efflux assay. Koh JY, et al. **J Neurosci Methods** 1987 May; 20(1):83–90

Micro-assay method for lactate dehydrogenase activity in dental plaque. Hayashi K, et al. **J Nihon Univ Sch Dent** 1986 Sep;28(3):188–94

Enzymatic characterization of Babesia bovis. Rodriguez SD, et al. **J Protozool** 1986 Nov;33(4):507–11

Concentration and enzyme content of in vitro-cultured Babesia bigemina-infected erythrocytes. Vega CA, et al. **J Protozool** 1986 Nov;33(4):514–8

The enzyme lactate dehydrogenase as a structural protein in avian and crocodilian lenses. Wistow GJ, et al. **Nature** 1987 Apr 9–15;326(6113):622–4

[Detection of ligand-induced conformation changes in lactate dehydrogenase by using fluorescent probes] Kube D, et al. **Biokhimiia** 1987 Feb;52(2):179–87 (Eng. Abstr.) **(Rus)**

[Diagnostic importance of LDH activity in the chamber fluid in intraocular tumors] Golubović M, et al. **Vojnosanit Pregl** 1986 Sep–Oct;43(5):364–6 (Eng. Abstr.) **(Scr)**

[The pH value of the ascitic fluid. Comparison with the leukocyte and PMN count and LDH] Espinos JC, et al. **Rev Esp Enferm Apar Dig** 1986 Oct;70(4):321–5 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

Inhibition of fructolytic enzymes in boar spermatozoa by (S)-alpha-chlorohydrin and 1-chloro-3-hydroxypropanone. Jones AR, et al. **Aust J Biol Sci** 1986;39(4):395–406

Protein ligand interactions. Indole alkaloids as inhibitors for lactate dehydrogenase. Wade TG, et al. **Biochem Int** 1987 Feb;14(2):189–97

The kinetic properties and sensitivity to pyruvate inhibition of tissue lactate dehydrogenase in diving and nondiving reptiles. Baeyens DA. **Comp Biochem Physiol [B]** 1987; 86(2):259–64

Dose and time related changes in LDH-X activity, epididymal carnitine levels and fertility, in gossypol-treated male rats. Giridharan N, et al. **Contraception** 1987 Jan; 35(1):89–100

Contact lens-induced edema in vitro—amelioration by lactate dehydrogenase inhibitors. Rohde MD, et al. **Curr Eye Res** 1986 Oct;5(10):751–8

BLOOD

LDH enzymes as a tool on monitoring tissue necrosis in fishes caused by pesticides. Asztalos B. **Acta Biol Hung** 1986; 37(1):59–65

Monocyte chemotaxis: a method for routine in vitro investigation using lactic dehydrogenase as a marker enzyme. Mrowietz U, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1987 Feb; 95(1):1–7

Serum lactic dehydrogenase as a marker of joint damage in rheumatoid arthritis [letter] Thompson PW, et al. **Ann Rheum Dis** 1987 Mar;46(3):263

Lactate dehydrogenase values and bone scans as predictors of bone marrow involvement in small-cell lung cancer. Hamrick RM 3d, et al. **Arch Intern Med** 1987 Jun; 147(6):1070–1

Serum enzyme elevations. A diagnostic test for acute myocardial infarction during the early postoperative period. Killen DA. **Arch Surg** 1968 Feb;96(2):200–10

Relationship of serum lactate dehydrogenase level with first remission length in adult acute lymphocytic leukaemia. Fasola G, et al. **Br J Haematol** 1987 May;66(1):49–53

Serum angiotensin converting enzyme, ceruloplasmin, and lactic dehydrogenase in anthracosilicosis and anthracosilicotuberculosis. Zhicheng S, et al. **Br J Ind Med** 1986 Sep;43(9):642–3

Lactase dehydrogenase as a tumor marker for recurrent disease in Ewing's sarcoma. Farley FA, et al. **Cancer** 1987 Apr 1;59(7):1245–8

Changes in serum enzymes, lactate, and haptoglobin following acute physical stress in international-class athletes. Wolf PL, et al. **Clin Biochem** 1987 Apr;20(2):73–7

Macro-lactate dehydrogenase in serum after acute myocardial infarction [letter] Delanghe J, et al. **Clin Chem** 1987 Jun;33(6):1103–4

Lactate dehydrogenase isoenzymes in serum during recent acute myocardial infarction. Rotenberg Z, et al. **Clin Chem** 1987 Aug;33(8):1419–20

Artifactual increase in plasma lactate dehydrogenase activity caused by a surfactant. Sanders GT, et al. **Clin Chem** 1987 Jan;33(1):192

Increased lactate dehydrogenase in serum in measles infection. Sugaya N, et al. **Clin Chem** 1987 May;33(5):661–3

Mechanisms of compensation of hemolytic anemia in a lactate dehydrogenase mouse mutant. Kremer JP, et al. **Exp Hematol** 1987 Jul;15(6):664–70

Changes in plasma enzyme concentrations in response to blood substitution with perfluorocarbon emulsion in the conscious rat. Lowe KC, et al. **Experientia** 1986 Dec 1; 42(11–12):1228–31

Serum lactate dehydrogenase in acute non lymphocytic leukemia [published erratum appears in Haematologica (Pavia) 1986 Nov-Dec;71(60:523] Fanin R, et al. **Haematologica (Pavia)** 1986 Sep–Oct;71(5):363–7

LDH isoenzymes in blast crisis of chronic granulocytic leukemia [letter] Pozzato G, et al. **Haematologica (Pavia)** 1987 Mar–Apr;72(2):184

Immunoglobulins, serum proteins & lactate dehydrogenase levels in workers exposed to cotton dust. Karnik AB, et al. **Indian J Med Res** 1987 Feb;85:222–6

Serial estimation of serum lactic dehydrogenase & its isoenzymes in active pulmonary tuberculosis. Zawar PB, et al. **Indian J Med Res** 1987 Mar;85:244–8

Serum lactic dehydrogenase during treatment with primary anti tuberculosis regimen. Aggarwal NP, et al. **Indian J Med Sci** 1986 Oct;40(10):249–51

Protamine sulfate-induced enzyme secretion from rabbit neutrophils. Elferink JG, et al. **Inflammation** 1986 Dec; 10(4):413–23

Evaluation of three biochemical markers for serially monitoring the therapy of small-cell lung cancer. Ganz PA, et al. **J Clin Oncol** 1987 Mar;5(3):472–9

Serum enzyme changes in calves experimentally infected with Schistosoma bovis. Mahmoud OM, et al. **J Comp Pathol** 1987 May;97(3):335–9

The effects of an acute physical exercise on some serum enzymes in older women. Métivier G, et al. **J Sports Med Phys Fitness** 1986 Dec;26(4):357–61

Plasma LDH activity and LDH isozymes after 400 m and 3,000 m runs in sprint and long distance runners. Ohkuwa T, et al. **J Sports Med Phys Fitness** 1986 Dec;26(4):362–8

Local myotoxicity of ketamine hydrochloride in the marmoset. Davy CW, et al. **Lab Anim** 1987 Jan;21(1):60–7

The effect of three bleeding techniques on lactic dehydrogenase levels in mice: implications for lactic dehydrogenase virus bioassay. Dillberger JE, et al. **Lab Anim Sci** 1987 Jun;37(3):356–9

Antimycobacterial antibodies in Dasypus novemcinctus infected with Mycobacterium leprae and their correlation with the serum levels of lactate dehydrogenase. Rojas-Espinosa O, et al. **Lepr Rev** 1986 Dec;57(4):317–27

Study of the relationship between the granulocyte LDH, alkaline phosphatase and Zn at the level of the leukocyte in patients with chronic myeloid leukemia. Chirulescu Z, et al. **Med Interne** 1986 Jul–Sep;24(3):221–5

Serum lactate dehydrogenase level in various malignancies. Malhotra P, et al. **Neoplasma** 1986;33(5):641–7

Serum lactate dehydrogenase: clinical significance of alterations in its activity in lambs infected with Dictyocaulus filaria. Bhat TK, et al. **Res Vet Sci** 1987 Jan; 42(1):127–9

HELLP syndrome without hypertension [letter] Biereau RP. **South Med J** 1987 Aug;80(8):1068–9

Normal serum activities of some diagnostic enzymes in dromedary camel in Sudan. Eldirdiri NI, et al. **Vet Res Commun** 1987;11(3):201–3

[Total LDH activity and isoenzyme spectrum in experimental Cysticercus ovis infestation of lambs and kids] Georgieva D, et al. **Vet Med Nauki** 1987;24(1):28–35 (Eng. Abstr.) **(Bul)**

[Effect of determination of lactate dehydrogenase and its isoenzymes on monitoring high-risk pregnancy] Zhou LF, et al. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Sep; 21(5):264–7, 317 (Eng. Abstr.) **(Chi)**

[Estimation of serum lactic dehydrogenase and isoenzymes during the acute stage of chronic cor pulmonale] Wang TJ, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Feb;26(2):95–9, 126 (Eng. Abstr.) **(Chi)**

[Changes in blood enzymes, liver, skeletal muscle and cartilage in rats fed with a synthetic selenium deficient ration] Mo DX. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Dec;15(4):244–8 (Eng. Abstr.) **(Chi)**

[Diagnostic value of 4 biological markers: lactate dehydrogenase, phosphoglucoisomerase, carcinoembryonic antigen and gammaglutamyl transpeptidase, systematically determined in patients in a hematology-oncology department] Taillan B, et al. **Pathol Biol (Paris)** 1987 Apr; 35(4):375–80 (Eng. Abstr.) **(Fre)**

[Tubal pregnancy: lactate dehydrogenase as a differential diagnostic parameter] Grünberger W. **Zentralbl Gynakol** 1987;109(6):358–63 (Eng. Abstr.) **(Ger)**

[Clinical and experimental studies on serum LDH (lactate dehydrogenase) activity in erythroderma] Fujioka A. **Nippon Hifuka Gakkai Zasshi** 1987 Jan;97(1):39–45 **(Jpn)**

[A clinical study of testicular tumors—usefulness of serum lactic dehydrogenase (LDH)] Sugawara T, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jun;77(6):948–53 (Eng. Abstr.) **(Jpn)**

[alpha 1-Antitrypsin deficiency with pulmonary emphysema, small cell lung cancer and marked elevation of serum lactic dehydrogenase level: a case report] Okazaki N, et al. **Nippon Naika Gakkai Zasshi** 1986 Nov;75(11):1629–37 **(Jpn)**

[Simultaneous assay of serum lactate dehydrogenase activities depending on NAD (N) and thio-NAD (T), and the clinical significance of N/T values] Kawai M. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov;83(11):2458 **(Jpn)**

[Enzyme activity and isozymes] Nagamine M. **Rinsho Byori** 1987 Jan;35(1):17–25 **(Jpn)**

[A case of acute lymphoblastic leukemia (ALL) with severe disseminated intravascular coagulation (DIC)—serum LDH level in ALL and its relation with DIC] Tokushige K, et al. **Rinsho Ketsueki** 1987 Mar;28(3):398–401 (Eng. Abstr.) **(Jpn)**

[Failure of platelets to excrete a protein possessing lactate dehydrogenase activity during their aggregation] Nadirova TIa, et al. **Gematol Transfuziol** 1987 May;32(5):22–5 (Eng. Abstr.) **(Rus)**

[Indicator enzyme activity in the blood serum as an index of disorders of oxygen homeostasis in emergency conditions] Golikov PP, et al. **Patol Fiziol Eksp Ter** 1986 Nov-Dec;(6):60–4 (Eng. Abstr.) **(Rus)**

[Lipid metabolism and the activity of cardiospecific enzymes in diabetes mellitus] Margiavichene LE, et al. **Probl Endokrinol (Mosk)** 1986 Sep–Oct;32(5):28–32 (Eng. Abstr.) **(Rus)**

[Diagnostic and prognostic role of organ-specific plasma enzymes in the acute period of cerebral circulatory disorders] Lebedev AA, et al. **Zh Nevropatol Psikhiatr** 1987;87(1):26–9 (Eng. Abstr.) **(Rus)**

[Serum LDH and myeloma. Correlation with the degree of

bone marrow infiltration] Ogea García JL, et al. **Rev Esp Oncol** 1985;32(2):207–13 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Cerebrospinal fluid lactate dehydrogenase activities in patients with central nervous system metastases. van Zanten AP, et al. **Clin Chim Acta** 1986 Dec 30;161(3):259–68

Temporal pattern of enzyme changes in cerebrospinal fluid in patients with neurologic complications after open heart surgery. Vaagenes P, et al. **Crit Care Med** 1987 Aug; 15(8):726–31

Serial lumbar and ventricle cerebrospinal fluid lactate dehydrogenase activities in patients with leptomeningeal metastases from solid and haematological tumours. Twijnstra A, et al. **J Neurol Neurosurg Psychiatry** 1987 Mar;50(3):313–20

[Study of CSF–enzymatic activity in 42 cases of central nervous system diseases] Luo ZM, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun;18(2):163–6 (Eng. Abstr.) **(Chi)**

[C-reactive protein, GOT and LDH in the cerebrospinal fluid of infants with meningitis] Matsuura S, et al. **No To Hattatsu** 1986;18(6):470–6 (Eng. Abstr.) **(Jpn)**

DEFICIENCY

Erythematosquamous skin lesions in hereditary lactate dehydrogenase M–subunit deficiency. Yoshikuni K, et al. **Arch Dermatol** 1986 Dec;122(12):1420–4

Acetoin production by wild–type strains and a lactate dehydrogenase–deficient mutant of Streptococcus mutans. Hillman JD, et al. **Infect Immun** 1987 Jun;55(6):1399–402

GENETICS

Regulation of lactate dehydrogenase gene expression by cAMP–dependent protein kinase subunits. Jungmann RA, et al. **Ann NY Acad Sci** 1986;478:147–61 (58 ref.)

Cyclic AMP–induced expression of the mouse lactate dehydrogenase–A promoter–cat fusion gene in Chinese hamster ovary wild–type cells, but not in cAMP–dependent protein kinase mutant cells. Hou EW, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):501–5

The use of site–directed mutagenesis and time–resolved fluorescence spectroscopy to assign the fluorescence contributions of individual tryptophan residues in Bacillus stearothermophilus lactate dehydrogenase. Waldman AD, et al. **Biochim Biophys Acta** 1987 May 27;913(1):66–71

Tetrasomy for the short arm of chromosome 12 with accessory isochromosome (+i(12p]) and a marked LDH–B gene dosage effect. Steinbach P, et al. **Clin Genet** 1987 Jul; 32(1):1–4

Nucleotide sequence and characteristics of the gene for L–lactate dehydrogenase of Thermus caldophilus GK24 and the deduced amino–acid sequence of the enzyme. Kunai K, et al. **Eur J Biochem** 1986 Oct 15;160(2):433–40

Cloning, expression and complete nucleotide sequence of the Bacillus stearothermophilus L–lactate dehydrogenase gene. Barstow DA, et al. **Gene** 1986;46(1):47–55

Complete nucleotide sequence of the mouse lactate dehydrogenase–A functional gene: comparison of the exon–intron organization of dehydrogenase genes. Fukasawa KM, et al. **Genetics** 1987 May;116(1):99–105

Four independent electrophoretic markers in spadefoot toads. Simovich MA, et al. **J Hered** 1986 Nov–Dec;77(6):410–4

Site–directed mutagenesis reveals role of mobile arginine residue in lactate dehydrogenase catalysis. Clarke AR, et al. **Nature** 1986 Dec 18–31;324(6098):699–702

Epitopes of human testis–specific lactate dehydrogenase deduced from a cDNA sequence. Millan JL, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5311–5

IMMUNOLOGY

A lactate dehydrogenase–immunoglobulin G1 complex, not blocked by anti–idiotype antibody, in a patient with IgG1–lambda type M–proteinemia. Fujita K, et al. **Clin Chem** 1987 Aug;33(8):1478–83

Characterization of immunoglobulin A kappa autoantibodies to human lactate dehydrogenase isoenzyme–3. Weijers RN, et al. **Clin Immunol Immunopathol** 1987 Jan;42(1):110–22

Centrosomal proteins and lactate dehydrogenase possess a common epitope in human cell lines. Gosti F, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):1000–4

ISOLATION & PURIFICATION

Affinity precipitation of lactate dehydrogenase with a triazine dye derivative: selective precipitation of rabbit muscle lactate dehydrogenase with a procion blue H–B analog. Pearson JC, et al. **Anal Biochem** 1986 Nov 1;158(2):382–9

Purification of the fructose 1,6–bisphosphate–dependent lactate dehydrogenase from Streptococcus uberis and an investigation of its existence in different forms. Williams RA, et al. **Biochem J** 1986 Jun 15;236(3):721–7

D–(+)–lactate dehydrogenase from Lactobacillus murinus. Strasser de Saad AM, et al. **Biotechnol Appl Biochem** 1986 Oct;8(5):370–4

Purification of the bovine lens isozymes which reduce fructose diphosphate to sorbitol diphosphate. Srivastava SK, et al. **Exp Eye Res** 1986 Oct;43(4):669–77

Purification & characterization of lactate dehydrogenase from Setaria cervi. Saxena JK, et al. **Indian J Med Res** 1986 Sep;84:264–9

Characterization of lactate dehydrogenase of Plasmodium knowlesi. Saxena N, et al. **Mol Biochem Parasitol** 1986 Dec; 21(3):199–202

METABOLISM

Histamine and lactate dehydrogenase (LDH) release in ischemic myocardium of the guinea–pig. Masini E, et al. **Agents Actions** 1987 Apr;20(3–4):281–3

Evaluation of creatine kinase and lactate dehydrogenase activities in clinically normal and abnormal equine joints. Yancik SA, et al. **Am J Vet Res** 1987 Mar;48(3):463–6

Increased aqueous lactic dehydrogenase in Coat's disease. Lifshitz T, et al. **Ann Ophthalmol** 1987 Mar;19(3):116–9

Myeloproliferative syndrome evolving in a patient with macromolecular lactate dehydrogenase. Buda EM, et al. **Arch Intern Med** 1987 Feb;147(2):390–2

The effect of lead on protein and lactate dehydrogenase activity in hepatic slices cultured in vitro. Kucharz EJ, et al. **Arh Hig Rada Toksikol** 1986 Jun;37(2):225–9

The importance of arginine 171 in substrate binding by Bacillus stearothermophilus lactate dehydrogenase. Hart KW, et al. **Biochem Biophys Res Commun** 1987 Jul 15; 146(1):346–53

1H–NMR investigation of yeast cytochrome c. Interaction with the corresponding specific reductase (L–lactate cytochrome). Thomas MA, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1098–104

Comparison of the processes involved in reduction by the substrate for two homologous flavocytochromes b2 from different species of yeast. Capeillère–Blandin C, et al. **Biochem J** 1986 Sep 15;238(3):745–56

Modification of synthetic peptides related to lactate dehydrogenase (231–242) by protein carboxyl methyltransferase and tyrosine protein kinase: effects of introducing an isopeptide bond between aspartic acid–235 and serine–236. Aswad DW, et al. **Biochemistry** 1987 Feb 10;26(3):675–81

Nuclear magnetic resonance and molecular genetic studies of the membrane–bound D–lactate dehydrogenase of Escherichia coli. Rule GS, et al. **Biochemistry** 1987 Jan 27;26(2):549–56

A single amino acid substitution deregulates a bacterial lactate dehydrogenase and stabilizes its tetrameric structure. Clarke AR, et al. **Biochim Biophys Acta** 1987 May 27;913(1):72–80

Kinetics of activation of L–lactate dehydrogenase from Streptococcus faecalis by fructose 1,6–bisphosphate and by metal ions. Hardman MJ, et al. **Biochim Biophys Acta** 1987 Apr 8;912(2):185–90

A strong carboxylate–arginine interaction is important in substrate orientation and recognition in lactate dehydrogenase. Hart KW, et al. **Biochim Biophys Acta** 1987 Aug 21;914(3):294–8

Lactate dehydrogenase activity in the mitochondrial fraction of chicken liver: enzyme binding and kinetic behavior of soluble and bound enzyme. Sagrista ML, et al. **Biochimie** 1987 Mar;69(3):205–14

Release of lactate dehydrogenase activity by rabbit renal cortex slices during storage in solutions used for kidney transplantation. Figueiredo JF, et al. **Braz J Med Biol Res** 1986;19(2):303–9

Lactate and succinate dehydrogenase in the cardiac and breast muscles of birds: a comparison in flying and non–flying birds. Prabhakaram M, et al. **Cell Mol Biol** 1987; 33(1):111–5

Isoenzyme spectrum of creatine kinase and lactate dehydrogenase in the myocardium of patients with ischaemic heart disease. Avilov VV, et al. **Cor Vasa** 1986; 28(5):334–40

Lactate dehydrogenase activity and its isoenzymes in concentric layers of adult bovine and calf lenses. Sempol D, et al. **Curr Eye Res** 1987 Apr;6(4):555–60

An EPR study of the interactions between heme and flavin in yeast flavocytochrome b2. Bertrand P, et al. **Eur Biophys J** 1987;14(5):273–8

Lactate dehydrogenase and glyceraldehyde–phosphate dehydrogenase are single–stranded DNA–binding proteins that affect the DNA–polymerase–alpha–primase complex. Grosse F, et al. **Eur J Biochem** 1986 Nov 3;160(3):459–67

Kinetics of electron transfer between two Hansenula anomala flavocytochrome b2 derivatives and two simple copper proteins (azurin and stellacyanin). Silvestrini MC, et al. **Eur J Biochem** 1986 Dec 1;161(2):465–72

Reactions of nucleic acid bases with alpha–acetylenic esters. Synthesis and enzymatic evaluation of chemically modified nucleotides. Thomé F, et al. **Eur J Biochem** 1987 Jan 15; 162(2):433–7

Biochemical composition of seminal secretions with special reference to LDH activity in the reproductive tissues of the field crab, Paratelphusa hydrodromous (Herbst). Jeyalectumie C, et al. **Exp Biol** 1987;46(4):231–6

Chronic exercise training alters kinetic properties of rat skeletal muscle and myocardial lactate dehydrogenase [published erratum appears in FEBS Lett 1987 Apr 20;214(2):375] Ji LL, et al. **FEBS Lett** 1986 Nov 24; 208(2):297–300

Synthesis of spin–labeled photoaffinity derivatives of NAD+ and their interaction with lactate dehydrogenase. Wolf A, et al. **FEBS Lett** 1987 Feb 23;212(2):203–7

Quantitative histochemistry of late luteal phase human endometrium. Holt JP Jr, et al. **Fertil Steril** 1987 Jan; 47(1):76–81

Changes in the activity of lactatedehydrogenase, malatdehydrogenase, alkaline and acid phosphatase in the saliva of anesthesiological personnel. Popova S, et al. **Folia Med (Plovdiv)** 1986;28(3):40–4

The in vivo effects of tetrahydrocannabinol on the activity of lactate and succinate dehydrogenases in rat preovulatory follicles. Zoller LC, et al. **Histochem J** 1987 Apr; 19(4):195–202

Region of cytochrome c interacting with yeast cytochrome b2: determination with singly modified carboxydinitrophenyl cytochromes c. Matsushima A, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):543–51

Immunochemical evidence that the single lactate dehydrogenase of lampreys is more similar to LDHB4 than to LDHA4 of hagfish. Baldwin J, et al. **J Exp Zool** 1987 Jan;241(1):1–8

Regulation of glycerol phosphate dehydrogenase and lactate dehydrogenase activity by forskolin and dibutyryl cyclic AMP in the C6 glial cells. Montiel F, et al. **J Neurochem** 1986 Nov;47(5):1336–43

Enzyme release from polymorphonuclear leukocytes during interaction with calcium oxalate microcrystals. Elferink JG, et al. **J Urol** 1987 Jul;138(1):164–7

Lactate dehydrogenase in retinoblastoma: an immunohistochemical study of twelve eyes. Leung RJ, et al. **Jpn J Ophthalmol** 1986;30(3):288–97

Appearance of enzymes in plasma or urine following renal injury. Maessen JG, et al. **Nephrol Dial Transplant** 1987; 2(1):17–21

Effects of cadmium on lactate dehydrogenase activities in mouse pre–embryos at various stages. Yu HS, et al. **Teratology** 1986 Dec;34(3):313–9

Enzyme histochemical study of cardiac allografts in rats. Yasumura T, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):382–5

[Characterization and preservation of NADH for the determination of the catalytic activity of lactate dehydrogenase] Liese W, et al. **Z Med Lab Diagn** 1986; 27(7):387–90 (Eng. Abstr.) **(Ger)**

[Total LDH activities and LDH isozyme patterns in the tissue of testicular tumors] Sakakibara N, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Feb;78(2):249–52 (Eng. Abstr.) **(Jpn)**

[Delta 16–C19–steroid synthesis catalyzed by cytochrome P–450 (17 alpha–hydroxylase/lyase)–linked oxygenase system involving cytochrome b5] Takahashi M, et al. **Yakugaku Zasshi** 1987 Feb;107(2):157–63 (Eng. Abstr.) **(Jpn)**

[Interaction of NAD(H)–dependent dehydrogenases with active dyes and their complexes with transitional metal ions] Flaksaite SS, et al. **Biokhimiia** 1987 Jan;52(1):73–81 (Eng. Abstr.) **(Rus)**

[Changes in the sorption properties of LDH protein in the rat brain after the single administration of a formaldehyde solution] Shcherbakova LN. **Biull Eksp Biol Med** 1986 Dec; 102(12):702–4 (Eng. Abstr.) **(Rus)**

[Interaction of swine muscle lactate dehydrogenase subunits detected by complex formation with NAD pyruvate adduct] Kube D, et al. **Dokl Akad Nauk SSSR** 1986; 289(4):996–9 **(Rus)**

[An optimum regimen for the use of malate dehydrogenase and lactate dehydrogenase during chemical regeneration of the cofactor] Markina VL, et al. **Prikl Biokhim Mikrobiol** 1986 Sep–Oct;22(5):635–41 (Eng. Abstr.) **(Rus)**

[Biliary excretion of enzymes in rats] Marinelli RA, et al. **Medicina (B Aires)** 1986;46(1):85–90 (Eng. Abstr.) **(Spa)**

SECRETION

Carrageenan–stimulated release of arachidonic acid and of lactate dehydrogenase from rat pleural cells. Lo TN, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2405–13

STANDARDS

Production and certification of secondary enzyme reference materials (ERMs). Part 1: Preparation of the sera and some of their properties. Koedam JC, et al. **Clin Chem** 1986 Oct; 32(10):1901–5

Production and certification of secondary enzyme reference materials (ERMs). Part 2: The need for meaningful protocols that assure photometric accuracy and a well–defined process for value assignment. Koedam JC, et al. **Clin Chem** 1986 Oct;32(10):1906–13

LACTATE DEHYDROGENASE ISOENZYMES

Use of monoclonal antibodies to detect conformational alterations in lactate dehydrogenase isoenzyme 5 on heat denaturation and on adsorption to polystyrene plates. Hollander Z, et al. **Mol Immunol** 1986 Sep;23(9):927–33

ANALYSIS

Lactate dehydrogenase isoenzyme 1 as determined by inhibition with 1,6–hexanediol and by two other methods in patients with myocardial infarction or cardiac–bypass surgery. Shamberger RJ. **Clin Chem** 1987 Apr;33(4):589–91

Beta–glucuronidase, LDH and LDH isoenzyme levels and screening for gastric cancer. Finch PJ, et al. **Eur J Surg Oncol** 1986 Sep;12(3):253–6

Isoenzymes of lactate dehydrogenase in human gastric

mucosa and gastric carcinoma tissue. Baume PE, et al. **Gastroenterology** 1966 Jun;50(6):781–6

The primary structure of the lactate dehydrogenase isozyme M4 from giant panda. Liang SP, et al. **Sci Sin [B]** 1987 Feb;30(2):149–60

[Analysis of lactate dehydrogenase isoenzymes in the diagnosis of pleural effusion (letter)] Vergnon JM. **Rev Pneumol Clin** 1986;42(6):314–5 **(Fre)**

[Determination of the lactate dehydrogenase isoenzyme activity in the bronchoalveolar lavage of chronic bronchitis patients] Provotorov VM, et al. **Lab Delo** 1986;(11):683–4 (Eng. Abstr.) **(Rus)**

[Correlation of cytologic findings with lactate dehydrogenase isoenzyme levels in nasopharyngeal secretions] Kapellerová A, et al. **Cesk Pediatr** 1987 Jan;42(1):23–5 (Eng. Abstr.) **(Slo)**

ANTAGONISTS & INHIBITORS

Inactivation of human lactate dehydrogenase isozymes by sulfhydryl reagents. Anderson BM, et al. **Anal Biochem** 1987 Mar;161(2):258–61

Inhibition of lactate dehydrogenase–X by imino–derivatives of gossypol:structure activity relationship. Kim I, et al. **Contraception** 1987 Mar;35(3):289–97

Monkey lactate dehydrogenase–C4 as a model for the interaction of enzymes with gossypol. Whaley KJ, et al. **Contraception** 1986 Jun;33(6):605–16

Kinetic characterization of the inhibition of purified cynomolgus monkey lactate dehydrogenase isozymes by gossypol. Stephens DT, et al. **J Androl** 1986 Nov–Dec; 7(6):367–77

Effect of (+/–)–, (+)– and (–)–gossypol on the lactate dehydrogenase–X activity of rat testis. Yao KQ, et al. **J Ethnopharmacol** 1987 Jun;20(1):25–9

BIOSYNTHESIS

Effects of electrical stimulation and tetrodotoxin paralysis on expression of muscle–specific isozymes of four enzymes in aneurally cultured embryonic rat muscle. Rösler KM, et al. **Exp Neurol** 1987 Sep;97(3):739–45

BLOOD

Serum creatine kinase and lactate dehydrogenase isoenzyme levels in patients after major esophageal surgery, esophageal dilation, and acute myocardial infarction. Graeber GM, et al. **Ann Thorac Surg** 1987 Mar;43(3):279–84

Clinical appraisal of serum isozymes of LDH and GOT in the diagnosis of hepatobiliary diseases. Meng XY, et al. **Chin Med J [Engl]** 1987 Feb;100(2):146–8

"Flipped" lactic dehydrogenase pattern in acute coronary insufficiency. Weinberger I, et al. **Clin Cardiol** 1986 Dec; 9(12):597–9

Immunoglobulin A (lambda chains) conjugated with lactate dehydrogenase in serum. Burlina A, et al. **Clin Chem** 1987 Jun;33(6):1085–6

Increased activities of creatine kinase and lactate dehydrogenase isoenzymes in a patient with metastatic ovarian tumor. Ng RH, et al. **Clin Chem** 1987 Aug; 33(8):1484–5

Isoenzyme testing and presence of myocardial infarction [letter] Shah VD. **Clin Chem** 1986 Oct;32(10):2001–2

Automated determination of activities of lactate dehydrogenase isoenzymes LD–1 and LD–2 in serum with use of an inhibitor. Tanishima K, et al. **Clin Chem** 1986 Nov;32(11):2108–9

Abnormal patterns of lactate dehydrogenase isoenzymes after streptokinase therapy. Van Acker K, et al. **Clin Chem** 1986 Dec;32(12):2210

Lactate dehydrogenase isoenzyme patterns in Puerto Ricans. Warner A. **Clin Chem** 1986 Oct;32(10):1980

Atypical LD isoenzymes with five diffuse bands and evidence for two types of binding. Chappell DJ, et al. **Clin Chim Acta** 1987 Jan 15;162(1):37–44

Creatine kinase and lactate dehydrogenase isoenzymes in stage D prostatic carcinoma. Ström S, et al. **Clin Chim Acta** 1986 Sep 30;159(3):219–28

Quantitation of serum lactate dehydrogenase–5 with monoclonal antibodies. Vaidya HC, et al. **Clin Chim Acta** 1986 Dec 30;161(3):315–25

Alterations in RBC lactate dehydrogenase isoenzyme pattern in calcium oxalate stone formers. Selvam R, et al. **Indian J Biochem Biophys** 1986 Oct;23(5):299–301

Serial estimation of serum lactic dehydrogenase & its isoenzymes in active pulmonary tuberculosis. Zawar PB, et al. **Indian J Med Res** 1987 Mar;85:244–8

Plasma LDH activity and LDH isozymes after 400 m and 3,000 m runs in sprint and long distance runners. Ohkuwa T, et al. **J Sports Med Phys Fitness** 1986 Dec;26(4):362–8

[Total LDH activity and isoenzyme spectrum in experimental Cysticercus ovis infestation of lambs and kids] Georgieva D, et al. **Vet Med Nauki** 1987;24(1):28–35 (Eng. Abstr.) **(Bul)**

[Effect of determination of lactate dehydrogenase and its isoenzymes on monitoring high–risk pregnancy] Zhou LF, et al. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Sep; 21(5):264–7, 317 (Eng. Abstr.) **(Chi)**

[Estimation of serum lactic dehydrogenase and isoenzymes during the acute stage of chronic cor pulmonale] Wang TJ, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Feb;26(2):95–9, 126 (Eng. Abstr.) **(Chi)**

[Effects of CDDP on the serum LDH isozymes in rabbits and patients with gallbladder cancer in urinary organs] Yamaoka K, et al. **Gan To Kagaku Ryoho** 1986 Dec; 13(12):3546–8 **(Jpn)**

[Enzyme activity and isozymes] Nagamine M. **Rinsho Byori** 1987 Jan;35(1):17–25 **(Jpn)**

[Criteria for assessing the adequacy of a hypotensive effect by data on the lactate dehydrogenase and cytochrome oxidase isoenzyme spectra of patients with different forms of arterial hypertension] Kulichenko LL, et al. **Kardiologiia** 1987 Apr;27(4):86–9 (Eng. Abstr.) **(Rus)**

[Changes in the isoenzyme spectrum of LDH in different forms of erysipelas] Rychnev VM, et al. **Klin Med (Mosk)** 1986 Nov;64(11):78–82 (Eng. Abstr.) **(Rus)**

[Isoenzyme composition of human blood lactate dehydrogenase after a single exposure to acute hypoxia and its relation to levels of physical work capacity] Serebrovskaia TV, et al. **Kosm Biol Aviakosm Med** 1987 Jan–Feb;21(1):87–9 **(Rus)**

[Lactate dehydrogenase isoenzymes in chronic lympholeukemia and lymphoma] Predtechenskaia VS, et al. **Lab Delo** 1987;(4):269–71 (Eng. Abstr.) **(Rus)**

[Activity of the glycolytic enzymes of lung cancer patients during radiation therapy combined with artificial hyperglycemia] Prokhorova VI, et al. **Lab Delo** 1987; (5):328–30 (Eng. Abstr.) **(Rus)**

[Diagnosis of menstrual blood stains by the characteristics of the lactate dehydrogenase isoenzyme spectrum] Kharlamov SG, et al. **Sud Med Ekspert** 1986 Jul–Sep; 29(3):30–2 (Eng. Abstr.) **(Rus)**

[Dynamics of blood lactate dehydrogenase isoenzymes in chronic obstructive bronchitis and bronchial asthma] Maliuk VI, et al. **Vrach Delo** 1987 Apr;(4):5–6 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

LDH isoenzymes in CSF in the diagnosis of neonatal brain damage. Fernández F, et al. **Acta Neurol Scand** 1986 Jul; 74(1):30–3

[Changes in CSF–LDH isoenzymes in cerebrospinal tumors] Yuan XH. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1987 Apr; 20(2):116–8 (Eng. Abstr.) **(Chi)**

GENETICS

Molecular isolation and sequence determination of the cDNA for the mouse sperm–specific lactate dehydrogenase–X gene. Wu KC, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):964–70

Molecular cloning and nucleotide sequence of the cDNA for sperm–specific lactate dehydrogenase–C from mouse. Sakai I, et al. **Biochem J** 1987 Mar 1;242(2):619–22

Neural control of gene expression in skeletal muscle. Effects of chronic stimulation on lactate dehydrogenase isoenzymes and citrate synthase. Seedorf U, et al. **Biochem J** 1986 Oct 1;239(1):115–20

Molecular nature of spontaneous mutations in mouse lactate dehydrogenase–A processed pseudogenes. Fukasawa KM, et al. **Genetics** 1987 Jan;115(1):177–84

Localization of the LDHA gene to 11p14——11p15 by in situ hybridization of an LDHA cDNA probe to two translocations with breakpoints in 11p13. Yang–Feng TL, et al. **Hum Genet** 1986 Dec;74(4):331–4

Lactate dehydrogenase, haemoglobins & haptoglobins in three endogamous group of western India. Ishwad CS, et al. **Indian J Med Res** 1986 Oct;84:390–7

IMMUNOLOGY

Control of fertilization by immunization with peptide fragments of sperm specific LDH–C4. Goldberg E, et al. **Adv Exp Med Biol** 1986;207:395–406 (32 ref.)

Local reproductive tract immunity to sperm–specific lactate dehydrogenase–C4. Shelton JA, et al. **Biol Reprod** 1986 Nov;35(4):873–6

Some new developments in the field of the anti–LDs of the IgA kappa class [letter] Weijers RN, et al. **Clin Chem** 1987 May;33(5):745–6

An immunoglobulin G inhibiting lactate dehydrogenase activity. Hirano T, et al. **Clin Chim Acta** 1986 Aug 30; 159(1):17–25

Antigenic sites of lactate dehydrogenase–C4. Goldberg E. **Isozymes Curr Top Biol Med Res** 1987;14:103–22 (105 ref.)

Non–cross–reactivity of antibodies to murine LDH–C4 with LDH–A4 and LDH–B4. Liang ZG, et al. **J Exp Zool** 1986 Dec;240(3):377–84

Two adjacent epitopes on a synthetic dodecapeptide induce lactate dehydrogenase B–specific helper and suppressor T cells. Servis C, et al. **Proc R Soc Lond [Biol]** 1986 Sep 22;228(1253):461–70

ISOLATION & PURIFICATION

Pressure–adaptive differences in proteolytic inactivation of M4–lactate dehydrogenase homologues from marine fishes. Hennessey JP Jr, et al. **J Exp Zool** 1987 Jan;241(1):9–15

A comparison of the primary structures of lactate dehydrogenase isozymes M4 from giant panda, red panda, black bear and dog. Liang SP, et al. **Sci Sin [B]** 1987 Mar; 30(3):270–82

METABOLISM

Interstitial distribution of charged macromolecules in the dog lung: a kinetic model. Parker JC, et al. **Ann Biomed Eng** 1987;15(2):157–72

Remote nitrogen–15 isotope effects on addition of cyanide to NAD. Burgner JW 2d, et al. **Biochemistry** 1987 Jan 13; 26(1):91–6

Coenzyme binding ability of homologs of M4–lactate dehydrogenase in temperature adaptation. Yancey PH, et al. **Biochim Biophys Acta** 1987 Jun 22;924(3):483–91

Comparative studies of M4–purified lactate dehydrogenase (LD) from the liver of Scotophilus heathi and Cynopterus sphinx (micro– and mega– chiropteran bats). Das SC, et al. **Cell Mol Biol** 1987;33(2):275–81

Kinetic studies on the lactate dehydrogenase isozymes of the brown trout, Salmo trutta L. Henry T, et al. **Comp Biochem Physiol [B]** 1986;85(2):491–6

Lactate dehydrogenase isoenzyme patterns in human foetal tissues during development. Subhash MN, et al. **Indian J Physiol Pharmacol** 1986 Oct–Dec;30(4):271–9

Lactic dehydrogenase isozymes, 31P magnetic resonance spectroscopy, and in vitro antimitochondrial tumor toxicity with gossypol and rhodamine–123. Benz C, et al. **J Clin Invest** 1987 Feb;79(2):517–23

Relationship between histological structure and lactate dehydrogenase isoenzyme pattern of rat mammary tumors induced by dimethylbenz(a)–anthracene. Tóth J, et al. **J Exp Pathol** 1985 Spring;2(1):41–6

Immunochemical evidence that the single lactate dehydrogenase of lampreys is more similar to LDHB4 than to LDHA4 of hagfish. Baldwin J, et al. **J Exp Zool** 1987 Jan;241(1):1–8

Molecular heterogeneity of lactate dehydrogenase in larval trematode–infected snail, Lymnaea luteola. Jyothirmayi GN, et al. **J Invertebr Pathol** 1987 May;49(3):316–20

Creatine phosphokinase MB and lactate dehydrogenase isoenzyme 1 and 2 in polymyositis/dermatomyositis [letter] La Montagna G, et al. **Scand J Rheumatol** 1986; 15(4):409–10

Transplacental effects of carcinogens and non–carcinogens on activities of pyruvate kinase and lactate dehydrogenase as well as isozymic pattern of LDH in mouse lung. Rády P, et al. **Toxicology** 1982;24(3–4):251–7

[Analysis of the effect of gossypol on the activity of purified LDH–X] Xu Y, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Oct; 8(5):362–5 (Eng. Abstr.) **(Chi)**

[Total LDH activities and LDH isozyme patterns in the tissue of testicular tumors] Sakakibara N, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Feb;78(2):249–52 (Eng. Abstr.) **(Jpn)**

[Lactate dehydrogenase isoenzyme spectrum in various areas of the reticular formation of the brain in rats: the effect of emotional stress] Ivanova TM, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):397–400 (Eng. Abstr.) **(Rus)**

[Diagnostic and pathogenetic significance of determining lactate dehydrogenase isoenzyme activity in various biological media in patients with viral hepatitis] Andriutsa KA, et al. **Ter Arkh** 1987;59(2):89–94 (Eng. Abstr.) **(Rus)**

[Changes in the activity of lactate dehydrogenase isoformes in mouse rhabdomyosarcoma under different proliferation conditions] Grigor'eva EG, et al. **Tsitologiia** 1986 Sep; 28(9):970–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The role of lactate dehydrogenase isozymes in controlling the cytosolic pH of plant cells. Davies DD. **Isozymes Curr Top Biol Med Res** 1987;16:193–207

STANDARDS

Commercial preparations of human lactate dehydrogenase isoenzymes are not homogeneous [letter] Krijnen PM, et al. **Clin Chem** 1987 Jul;33(7):1289

LACTATE DEHYDROGENASE VIRUS

A method for freeing murine plasmodia of contaminating lactate dehydrogenase elevating virus. Parke LM, et al. **J Parasitol** 1986 Dec;72(6):956–8

The effect of three bleeding techniques on lactic dehydrogenase levels in mice: implications for lactic dehydrogenase virus bioassay. Dillberger JE, et al. **Lab Anim Sci** 1987 Jun;37(3):356–9

GENETICS

Genomic differences between strains of lactate dehydrogenase–elevating virus. Contag CH, et al. **Intervirology** 1986;26(4):228–33

Genotypic variation among six isolates of lactate dehydrogenase–elevating virus. Brinton MA, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2673–84

IMMUNOLOGY

Characteristics of monoclonal antibodies to the lactate dehydrogenase–elevating virus. Harty JT, et al. **Intervirology** 1987;27(1):53–60

Live lactate dehydrogenase–elevating virus (LDV) induces suppressor T cells that inhibit the development of delayed

hypersensitivity to LDV. Inada T, et al. **J Gen Virol** 1986 Oct;67 (Pt 10):2103–12

Lactate dehydrogenase–elevating virus induces anti–Golgi apparatus antibodies. Weiland E, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):1983–91

Protection of C58 mice from lactate dehydrogenase–elevating virus–induced motor neuron disease by non–neutralizing antiviral antibodies without interference with virus replication. Harty JT, et al. **J Neuroimmunol** 1987 Jun;15(2):195–206

Antibody response of mice to lactate dehydrogenase–elevating virus during infection and immunization with inactivated virus. Cafruny WA, et al. **Virus Res** 1986 Sep;5(4):357–75

ISOLATION & PURIFICATION

Genetic basis for Ia positivity and susceptibility to lactic dehydrogenase virus in macrophages of SJL/J mice. Inada T, et al. **Arch Virol** 1987;92(1–2):77–85

Correlation between presence of lactate dehydrogenase–elevating virus RNA and antigens in motor neurons and paralysis in infected C58 mice. Contag CH, et al. **Virus Res** 1986 Dec;6(3):195–209

LACTATES

Blood gas changes and hypophosphatemia in lactate–induced panic. Gorman JM, et al. **Arch Gen Psychiatry** 1986 Nov; 43(11):1067–71

Microencapsulation and controlled release of insulin from polylactic acid microcapsules. Lin SY, et al. **Biomater Med Devices Artif Organs** 1985–86; 13(3–4):187–201

Use of synthetic polymer gels for artificial carious lesion preparation. White DJ. **Caries Res** 1987;21(3):228–42

Peritoneal sclerosis in continuous ambulatory peritoneal dialysis patients dialyzed exclusively with lactate–buffered dialysate. Daugirdas JT, et al. **Int J Artif Organs** 1986 Nov; 9(6):413–6

[Experimental study of an anticancer drug delivery system using polylactic acid] Yamashita R. **Nippon Geka Gakkai Zasshi** 1987 Apr;88(4):401–12 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Gravity feed administration of sodium lactate. Pohl R, et al. **Psychiatry Res** 1987 Aug;21(4):359–60

ADVERSE EFFECTS

Cerebral dysfunction and respiratory alkalosis during peritoneal dialysis with D–lactate–containing dialysis fluids [letter] Veech RL, et al. **Am J Med** 1987 Mar;82(3):572–4

ANALYSIS

A method for simultaneous determination of the two possible products of acetohydroxy acid synthase. Gollop N, et al. **Anal Biochem** 1987 Feb 1;160(2):323–31

Automated microanalysis of adenosine phosphates, phosphocreatine, creatine, and lactate in muscle. Yoshikawa K, et al. **Anal Biochem** 1986 Dec;159(2):303–16

Effects of hypoxia and recovery on brain eicosanoids and carbohydrate metabolites in rat brain cortex. Petroni A, et al. **Brain Res** 1987 Jul 14;415(2):226–32

Biosensor for lactate determination in biological fluids. I. Construction and properties of the biosensor. Racek J, et al. **Clin Chim Acta** 1987 Jan 30;162(2):129–39

Lactate levels in the rabbit cornea and aqueous humor subsequent to non–gas permeable contact lens wear. Bergmanson JP, et al. **Cornea** 1985–86;4(3):173–6

Effect of hyperthermia on the lactic acid and beta–hydroxybutyric acid content in tumour. Lee SY, et al. **Int J Hyperthermia** 1986 Apr–Jun;2(2):213–22

Acute cerebral ischaemia: concurrent changes in cerebral blood flow, energy metabolites, pH, and lactate measured with hydrogen clearance and 31P and 1H nuclear magnetic resonance spectroscopy. I. Methodology. Gadian DG, et al. **J Cereb Blood Flow Metab** 1987 Apr;7(2):199–206

Acidimetric determination of sodium lactate or sodium acetate in intravenous infusions and concentrated dialysis solutions in partly aqueous medium. Subert J. **Pharmazie** 1986 Sep;41(9):663–4

[The colony–forming unit and lactic acid content of human dental plaque during prolonged starvation] Yue JQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Nov;21(6):366–8, 385 (Eng. Abstr.) **(Chi)**

BIOSYNTHESIS

NADH content and lactate production in the perfused rabbit heart. Katz A, et al. **Acta Physiol Scand** 1987 Jun; 130(2):193–200

Rate of oxidative and glycolytic metabolism in the guinea–pig oviduct in relation to contractility and hormonal cycle. Lydrup ML, et al. **Acta Physiol Scand** 1986 Dec; 128(4):525–33

Muscle fatigue and lactic acid accumulation. Sahlin K. **Acta Physiol Scand [Suppl]** 1986;556:83–91

Internal countershock produces myocardial damage and lactate production without myocardial ischemia in anesthetized dogs. Gaba DM, et al. **Anesthesiology** 1987 Apr;66(4):477–82

Effect of polyethylene glycol on the in vitro production of L–lactate by rat liver under near physiological conditions. Rodríguez–Fernández JL, et al. **Biochem Int** 1987 Mar; 14(3):539–45

Lactic acid production in mouse calvaria in vitro with and without parathyroid hormone stimulation: lack of acetazolamide effects. Nichols FC, et al. **Bone** 1987; 8(2):105–9

Nonnutritive sweeteners as inhibitors of acid formation by oral microorganisms. Ziesenitz SC, et al. **Caries Res** 1986; 20(6):498–502

Glycogenolysis and lactogenesis in the ischemic diabetic rat heart. Kilgour RD, et al. **Diabetes Res** 1987 Jan;4(1):27–9

Electro–mechanical failures and lactate production during fatigue. Duchateau J, et al. **Eur J Appl Physiol** 1987; 56(3):287–91

Epidermal growth factor stimulates lactate production and inhibits aromatization in cultured Sertoli cells from immature rats. Mallea LE, et al. **Int J Androl** 1986 Jun; 9(3):201–8

Endurance exercise training reduces lactate production. Favier RJ, et al. **J Appl Physiol** 1986 Sep;61(3):885–9

Alkylation of acetohydroxyacid synthase I from Escherichia coli K–12 by 3–bromopyruvate: evidence for a single active site catalyzing acetolactate and acetohydroxybutyrate synthesis. Silverman PM, et al. **J Bacteriol** 1987 Jun; 169(6):2494–9

Studies on the mechanism by which glutamine and heat shock increase lactate synthesis by L929 cells in the presence of insulin. Lanks KW. **J Cell Physiol** 1986 Dec;129(3):385–9

In vitro fermentation of sugars, grains, and by–product feeds in relation to initiation of ruminal lactate production. Cullen AJ, et al. **J Dairy Sci** 1986 Oct;69(10):2616–21

Inhibition of lactate production in rat brain extracts and synaptosomes by 3–[4–(reduced 3–pyridine aldehyde–adenine dinucleotide)]–pyruvate. Cooper AJ, et al. **J Neurochem** 1987 Jun;48(6):1925–34

Observations on the energy and redox state and protein synthetic rate in animal and human placentas. Carroll MJ, et al. **J Perinat Med** 1987;15(1):21–30

BLOOD

Delayed lactate clearance in patients surviving circulatory shock. Falk JL, et al. **Acute Care** 1985;11(3–4):212–5

Muscle exercise, energy metabolism and blood lactate. Karlsson J. **Adv Cardiol** 1986;35:35–46 (34 ref.)

Serum lactate: prognostic marker for recurrent cardiac arrest? Kessler KM, et al. **Am Heart J** 1987 Jun;113(6):1540–4

Significance of blood lactate levels in critically ill patients with liver disease. Kruse JA, et al. **Am J Med** 1987 Jul; 83(1):77–82

Effects of graduated compression stockings on blood lactate following an exhaustive bout of exercise. Berry MJ, et al. **Am J Phys Med** 1987 Jun;66(3):121–32

Plasma lactate measurements in healthy beagle dogs. Evans GO. **Am J Vet Res** 1987 Jan;48(1):131–2

Contribution of whole blood L–lactate, pyruvate, D–lactate, acetoacetate, and 3–hydroxybutyrate concentrations to the plasma anion gap in horses with intestinal disorders. Gossett KA, et al. **Am J Vet Res** 1987 Jan;48(1):72–5

Oxygen uptake kinetics and lactate concentration during exercise in humans. Roston WL, et al. **Am Rev Respir Dis** 1987 May;135(5):1080–4

tcpO2, arterial blood flow and lactate/pyruvate modifications induced by a single dose of naftidrofuryl IV during stage III lower–limb arteriopathies. Pointel JP, et al. **Angiology** 1986 Sep;37(9):647–53

Enzymatic determination of blood lactate by flow injection analysis. Kumagai S, et al. **Ann Physiol Anthropol** 1986 Apr;5(2):97–100

Relationship of lactate threshold and onset of blood lactate accumulation as determinants of endurance ability in untrained females. Yoshida T. **Ann Physiol Anthropol** 1986 Oct;5(4):205–9

A comparison of lactate threshold and onset of blood lactate accumulation during two kinds of duration of incremental exercises. Yoshida T. **Ann Physiol Anthropol** 1986 Oct; 5(4):211–6

Gluconeogenesis from lactate in the chronically catheterized baboon fetus. Levitsky LL, et al. **Biol Neonate** 1986; 50(2):97–106

Effect of insulin on glucose/oxygen and lactate/oxygen quotients across the hindlimb of fetal lambs. Wilkening RB, et al. **Biol Neonate** 1987;51(1):18–23

Stimulation by calcium of glucose uptake and lactate production in pigeon erythrocytes. Lucas M. **Biomed Biochim Acta** 1987;46(2–3):S253–7

Needle enzyme electrodes for biological studies. Churchouse SJ, et al. **Biosensors** 1986;2(6):325–42

Atracurium and its antagonism by neostigmine (plus glycopyrrolate) in patients susceptible to malignant hyperthermia. Ording H, et al. **Br J Anaesth** 1986 Sep; 58(9):1001–4

Metabolic alkalosis and hyperlactataemia. Neary RH, et al. **Br Med J [Clin Res]** 1987 Jun 6;294(6585):1462

Prenatal asphyxia, hyperlacticaemia, hypoglycaemia, and erythroblastosis in growth retarded fetuses. Soothill PW, et al. **Br Med J [Clin Res]** 1987 Apr 25;294(6579):1051–3

Effect of different incremental exercise protocols on the determination of lactate and ventilatory thresholds. Ribeiro JP, et al. **Braz J Med Biol Res** 1986;19(1):109–17

Relation of arterial blood lactate to oxygen delivery and hemodynamic variables in human shock states. Groeneveld AB, et al. **Circ Shock** 1987;22(1):35–53

Dexamethasone alters glucose, lactate, and insulin dyshomeostasis during endotoxicosis in the rat. Yelich MR, et al. **Circ Shock** 1987;22(2):155–71

Enzymatic D(–)–lactate measurement: a potential source of error. Buttery JE, et al. **Clin Chem** 1986 Nov;32(11):2100–1

Automated micro–method for determining L–(+)–lactate in arterialized whole blood. Gerlo E, et al. **Clin Chem** 1987 Jan;33(1):188–9

Lactate and pyruvate electrochemical biosensors for whole blood in extracorporeal experiments with an endocrine artificial pancreas. Mascini M, et al. **Clin Chem** 1987 Apr; 33(4):591–3

Lactate measurement in the TDx and aca: hemoglobin interference assessed. Sasse EA, et al. **Clin Chem** 1987 Jan; 33(1):189–90

Relationship between serum lactate and ionized calcium in open–heart surgery. Toffaletti J, et al. **Clin Chem** 1986 Oct; 32(10):1849–53

Validation of a semi–automated technique for measuring lactate in whole blood. Weil MH, et al. **Clin Chem** 1986 Dec;32(12):2175–7

Computerized estimation of lactate threshold. Lundberg MA, et al. **Comput Biomed Res** 1986 Oct;19(5):481–6

Assessing redox status in human plasma: experience in critically ill patients. Davies AO, et al. **Crit Care Med** 1986 Nov;14(11):942–6

Nonequilibrium of two redox couplets in human plasma: lactate–pyruvate and beta–hydroxybutyrate–acetoacetate. Davies AO, et al. **Crit Care Med** 1986 Nov;14(11):936–41

Effect of dichloroacetate in the treatment of anoxic lactic acidosis in dogs. Sheikh A, et al. **Crit Care Med** 1986 Nov; 14(11):970–3

Comparison of blood lactate concentrations in central venous, pulmonary artery, and arterial blood. Weil MH, et al. **Crit Care Med** 1987 May;15(5):489–90

Some metabolic and hormonal changes associated with general anaesthesia and surgery in the horse. Robertson SA. **Equine Vet J** 1987 Jul;19(4):288–94

Aerobic performance capacity in paraplegic subjects. Flandrois R, et al. **Eur J Appl Physiol** 1986;55(6):604–9

Predicting running velocity at blood lactate threshold from running performance tests in adolescent boys. Tanaka H. **Eur J Appl Physiol** 1986;55(4):344–8

Blood lactate parameters related to aerobic capacity and endurance performance. Yoshida T, et al. **Eur J Appl Physiol** 1987;56(1):7–11

Continuous blood gas and lactate monitoring during exercise. Schardt FW, et al. **Fed Proc** 1986 Dec;45(13):2930–2

Lactate during exercise at extreme altitude. West JB. **Fed Proc** 1986 Dec;45(13):2953–7 (17 ref.)

Blood lactate and ketone body concentrations in salicylate intoxication. Bartels PD, et al. **Hum Toxicol** 1986 Dec; 5(6):363–6

A simplified method for the determination of blood lactic acid levels in occupational health practice. Ganguli AK, et al. **Indian J Physiol Pharmacol** 1986 Oct–Dec;30(4):313–8

Detection of the lactic acid threshold. Steinrauf LK, et al. **Indiana Med** 1987 Jun;80(6):545–8

Extent of lactic anaerobic metabolism in handballers. Delamarche P, et al. **Int J Sports Med** 1987 Feb;8(1):55–9

Prolonged exercise at a constant load on a bicycle ergometer: ratings of perceived exertion and leg aches and pain as well as measurements of blood lactate accumulation and heart rate. Ljunggren G, et al. **Int J Sports Med** 1987 Apr; 8(2):109–16

Acute effect of cigarette smoking on physiologic response to graded exercise. Rotstein A, et al. **Int J Sports Med** 1986 Dec;7(6):322–4

Complexity of lactate kinetics [letter] **J Appl Physiol** 1986 Dec;61(6):2280–2

Effect of respiratory alkalosis during exercise on blood lactate. Davies SF, et al. **J Appl Physiol** 1986 Sep; 61(3):948–52

Work rate–dependent lactate kinetics after exercise in humans. Freund H, et al. **J Appl Physiol** 1986 Sep; 61(3):932–9

Lactate and ventilatory thresholds: disparity in time course of adaptations to training. Gaesser GA, et al. **J Appl Physiol** 1986 Sep;61(3):999–1004

Blood lactate concentration increases as a continuous function in progressive exercise. Hughson RL, et al. **J Appl Physiol** 1987 May;62(5):1975–81

Mitochondrial myopathy, encephalopathy, lactic acidosis and stroke–like episodes syndrome and NADH–CoQ reductase deficiency. Kobayashi M, et al. **J Inherited Metab Dis** 1986; 9(3):301–4

The interpretation of measurements of circulating lactate. Green JH, et al. **J Sports Med Phys Fitness** 1986 Sep; 26(3):232–3

The acidosis of cholera. Contributions of hyperproteinemia, lactic acidemia, and hyperphosphatemia to an increased serum anion gap. Wang F, et al. **N Engl J Med** 1986 Dec 18;315(25):1591–5

Relationship of fetal hemoglobin and oxygen content to lactate concentration in Rh isoimmunized pregnancies. Soothill PW, et al. **Obstet Gynecol** 1987 Feb;69(2):268–71

Pituitary adrenocortical unresponsiveness in lactate–induced panic. Levin AP, et al. **Psychiatry Res** 1987 May; 21(1):23–32

Lactic acidosis from phenformin overdose—a case report.

Lim HS, et al. **Singapore Med J** 1986 Aug;27(4):336–40

Effects of storage on the pyruvate–lactate system and random migration of human granulocytes. **Paul JL, et al.** **Vox Sang** 1987;52(1–2):24–6

[Significance of lactate, pyruvate and anion gap in the diagnosis of complicated acid–base disturbances in chronic cor pulmonale] Liu YH. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Dec;9(6):332–4, 381 (Eng. Abstr.) **(Chi)**

[Effects of splanchnicotomy on plasma catecholamines, glucose and lactic acid during insulin hypoglycemia in sheep] Mao XZ, et al. **Sheng Li Hsueh Pao** 1986 Oct; 38(5):507–14 (Eng. Abstr.) **(Chi)**

[Physiopathological approach to pathological hyperlactatemia in the diabetic patient. Value of blood metformin] Lambert H, et al. **Ann Fr Anesth Reanim** 1987; 6(2):88–94 (Eng. Abstr.) **(Fre)**

[Hormonal responses to repeated lactic acid anaerobic exercise in male subjects] Dulac S, et al. **Can J Appl Sport Sci** 1986 Dec;11(4):178–85 (Eng. Abstr.) **(Fre)**

[Hyperlactatemia during treatment of acute bronchospasm with salbutamol (letter)] Saint-Jean O, et al. **Presse Med** 1987 May 23;16(19):965–6 **(Fre)**

[Equine postanesthetic myopathy: production of lactates by the compressed muscles in the horse anesthetized by halothane] Serteyn D, et al. **Schweiz Arch Tierheilkd** 1987 Jan;129(1):19–22 (Eng. Abstr.) **(Fre)**

[Influence of exposure to cold on aerobic capacity and anaerobic threshold] Quirion A, et al. **Schweiz Z Sportmed** 1986 Sep;34(3):121–6 **(Fre)**

[Therapy of lactate acidosis] Heidbreder E, et al. **Dtsch Med Wochenschr** 1987 May 1;112(18):729–30 **(Ger)**

[Diagnosis of lactate acidosis] Heidbreder E, et al. **Dtsch Med Wochenschr** 1987 May 1;112(18):726–8 **(Ger)**

[Hyperlactacidemia in intestinal ischemia. I. Theoretical considerations] Nutz V, et al. **Langenbecks Arch Chir** 1987; 370(2):63–8 (Eng. Abstr.) **(Ger)**

[Hyperlactacidemia in intestinal ischemia. II. Experimental principles] Nutz V, et al. **Langenbecks Arch Chir** 1987; 370(2):69–78 (Eng. Abstr.) **(Ger)**

[Speed and endurance in soccer players of various sport classes] Föhrenbach R, et al. **Schweiz Z Sportmed** 1986 Sep; 34(3):113–9 (Eng. Abstr.) **(Ger)**

[Performance factors in the 400 m run] Schürch PM, et al. **Schweiz Z Sportmed** 1986 Jun;34(2):93–5 (Eng. Abstr.) **(Ger)**

[3 hobby athletes on Mont Blanc. A physiological performance protocol] Spring H, et al. **Schweiz Z Sportmed** 1986 Jun;34(2):77–9 (Eng. Abstr.) **(Ger)**

[Significance and value of lactate levels in runners during treadmill tests] Winter R. **Schweiz Z Sportmed** 1986 Dec; 34(4):155–9 (Eng. Abstr.) **(Ger)**

[Exertion-induced metabolic changes in arterial occlusive diseases with different distances of painfree walking] Maass U, et al. **Vasa** 1986;15(3):206–11 (Eng. Abstr.) **(Ger)**

[Exertion-induced metabolic changes in arterial occlusive diseases with obstruction at different levels] Maass U, et al. **Vasa** 1986;15(3):212–6 (Eng. Abstr.) **(Ger)**

[Effect of infusion acidosis on the condition of the fetus—animal experiment studies] Paulick R, et al. **Z Geburtshilfe Perinatol** 1986 Sep–Oct;190(5):185–9 (Eng. Abstr.) **(Ger)**

[Peripheral sympathetic activity and anaerobic metabolism during muscular exercise in man] Cherchi A, et al. **Cardiologia** 1987 Mar;32(3):255–61 (Eng. Abstr.) **(Ita)**

[Circadian profiles of lactic and pyruvic acid in diabetic patients treated with biguanides and sulfonylureas] Cheli V, et al. **Clin Ter** 1986 Aug 31;118(4):269–75 (Eng. Abstr.) **(Ita)**

[Clinical evaluation of the correlation between left ventricular performance obtained from a multi-gated cardiac pool scan and venous lactate concentration] Nakai K, et al. **Kaku Igaku** 1986 Aug;23(8):1067–70 **(Jpn)**

[The significance of tri-phasic changes in blood lactate levels during multigraded exercise] Yamabe H, et al. **Kokyu To Junkan** 1987 Feb;35(2):165–9 (Eng. Abstr.) **(Jpn)**

[Effect of dichloroacetate on plasma lactic acid in experimentally produced hypoxia] Nakata F, et al. **Masui** 1986 Dec;35(12):1859–65 (Eng. Abstr.) **(Jpn)**

[Effects of lactate and sorbitol on blood lactate levels and acid base status] Sakata S, et al. **Masui** 1986 Sep; 35(9):1395–401 (Eng. Abstr.) **(Jpn)**

[Evaluation of exercise intensity indicated by blood lactate in rats during treadmill exercise] Kumagai S, et al. **Nippon Eiseigaku Zasshi** 1986 Aug;41(3):648–52 (Eng. Abstr.) **(Jpn)**

[Blood lactate threshold in patients with bronchogenic carcinoma] Miyoshi S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jun; 24(6):618–24 (Eng. Abstr.) **(Jpn)**

[Lactate threshold and the physiological cost of work] Palka M, et al. **Med Pr** 1987;38(1):26–33 (Eng. Abstr.) **(Pol)**

[Changes in levels of triglycerides, cholesterol, noradrenaline and lactates in the blood of patients with severe coronary insufficiency after long-term physical exertion of low intensity] Ziółkowski L, et al. **Przegl Lek** 1986;43(8):552–8 (Eng. Abstr.) **(Pol)**

[Determination of lactate in the thrombocytes of patients with ischemic heart disease] Gushchina LA, et al. **Lab Delo** 1987; (3):196–200 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Experimental meningitis in the rabbit. II. Cerebral energy metabolism in relation to increased cerebrospinal fluid concentrations of lactate. Lindquist L, et al. **Acta Neurol Scand** 1987 Jun;75(6):405–9

Temporal pattern of enzyme changes in cerebrospinal fluid in patients with neurologic complications after open heart surgery. Vaagenes P, et al. **Crit Care Med** 1987 Aug; 15(8):726–31

Cerebrospinal fluid lactate in patients with hepatic encephalopathy. Yao H, et al. **Eur Neurol** 1987;27(3):182–7

Effect of probenecid on cerebral and cisternal cerebrospinal fluid lactate content. MacMillan V. **J Cereb Blood Flow Metab** 1987 Feb;7(1):118–23

Comparison of cerebrospinal fluid C-reactive protein and lactate for diagnosis of meningitis. Komorowski RA, et al. **J Clin Microbiol** 1986 Dec;24(6):982–5

Prognostic significance of ventricular CSF lactic acidosis in severe head injury. DeSalles AA, et al. **J Neurosurg** 1986 Nov;65(5):615–24

Cerebrospinal fluid lactate—its diagnostic value in septic meningitis. Low PS, et al. **J Singapore Paediatr Soc** 1986; 28(3–4):243–6

CSF lactate in falciparum malaria patients [letter] Myint PT, et al. **Lancet** 1987 Feb 7;1(8528):330

Prognostic value of CSF lactate in cerebral malaria [letter] White NJ, et al. **Lancet** 1987 May 30;1(8544):1261

Lactic acid concentration and acid–base balance in cerebrospinal fluid: observations of diagnostic importance in non-Hodgkin lymphoma. Bjerrum OW, et al. **Neoplasma** 1987;34(1):27–31

Hyperglycemia, cerebrospinal fluid lactic acidosis, and cerebral blood flow in severely head-injured patients. De Salles AA, et al. **Neurosurgery** 1987 Jul;21(1):45–50

[Value of clinico-chemical studies of ventricular cerebrospinal fluid in patients with severe craniocerebral trauma] Dauberschmidt R, et al. **Z Med Lab Diagn** 1987; 28(3):136–42 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Biological markers in panic states: lactate-induced panic and mitral valve prolapse. Dager SR, et al. **Biol Psychiatry** 1987 Mar;22(3):339–59

The sleep lactate infusion: arousal and the panic mechanism. Koenigsberg HW, et al. **Biol Psychiatry** 1987 Jun; 22(6):789–91

Psychopharmacological investigation of panic disorder by means of lactate infusion. Murray JB. **J Gen Psychol** 1987 Jul;114(3):297–311

Lactate infusions: the role of baseline anxiety. Cowley DS, et al. **Psychiatry Res** 1987 Jun;21(2):169–79

Measurement of lactate-induced panic and anxiety. Dillon DJ, et al. **Psychiatry Res** 1987 Feb;20(2):97–105

Comparison of lactate-induced anxiety in bulimic patients and healthy controls. George DT, et al. **Psychiatry Res** 1987 Jul;21(3):213–20

Antipanic drug effects during lactate infusion in lactate-refractory panic patients. Gorman JM, et al. **Psychiatry Res** 1987 Jul;21(3):205–12

Response of panic patients and normal controls to lactate infusions [letter] Klein DF, et al. **Psychiatry Res** 1986 Oct; 19(2):163–7

Preinfusion anxiety predicts lactate-induced panic attacks in normal controls. Yeragani VK, et al. **Psychosom Med** 1987 Jul–Aug;49(4):383–9

METABOLISM

Occlusion of the cornea with contact lens and anterior chamber lactate levels. Ruben CM, et al. **Acta Ophthalmol (Copenh)** 1987 Jun;65(3):287–92

Coronary sinus lactate release as an index of myocardial anaerobiosis: effects of interventions. Ferrari R, et al. **Adv Cardiol** 1986;35:115–26

Temporal relation of changes in regional coronary flow and myocardial lactate and nucleoside metabolism during pacing-induced ischemia. Remme WJ, et al. **Am J Cardiol** 1986 Dec 1;58(13):1188–94

Brain lactate during partial global ischemia and reperfusion: effect of pretreatment with dichloroacetate in a rat model. Biros MH, et al. **Am J Emerg Med** 1987 Jul;5(4):271–7

Pathophysiology of type A hypoxic lactic acidosis in dogs. Arieff AI, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):E271–6

Metabolism in lizards: low lactate turnover and advantages of heterothermy. Guppy M, et al. **Am J Physiol** 1987 Jul; 253(1 Pt 2):R77–82

Lactate production cannot be measured with tracer techniques [letter] Sahlin K. **Am J Physiol** 1987 Mar;252(3 Pt 1):E439–40

Lactate transport by cardiac sarcolemmal vesicles. Trosper TL, et al. **Am J Physiol** 1987 May;252(5 Pt 1):C483–9

Hyperoxia, mitochondrial redox state, and lactate metabolism of in situ canine muscle. Wolfe BR, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):C263–8

Transport of lactate and other short-chain monocarboxylates in the yeast Saccharomyces cerevisiae. Cássio F, et al. **Appl Environ Microbiol** 1987 Mar;53(3):509–13

In vivo formation of tritium-labeled lactic acid from [2-3H]mannose or [15-3H]retinol by hamster intestinal epithelial cells. Creek KE, et al. **Arch Biochem Biophys** 1987 May 1;254(2):482–90

High plasma urea concentration in babies with lamellar ichthyosis [letter] Garty BZ. **Arch Dis Child** 1986 Dec; 61(12):1245–6

Evidence for lactate utilization for fetal lung glycogen synthesis. Engle MJ, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):397–401

Formation of hexose 6-phosphates from lactate + pyruvate + glutamate by a cell-free system from rat liver. Stoecklin FB, et al. **Biochem J** 1986 May 15;236(1):61–70

Interorgan metabolism of amino acids, glucose, lactate, glycerol and uric acid in the domestic fowl (Gallus domesticus). Tinker DA, et al. **Biochem J** 1986 Dec 15; 240(3):829–36

Changes in biliary secretion and lactate metabolism induced by diethyl maleate in rabbits. Jimenez R, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4251–60

Regulation of gluconeogenesis from pyruvate and lactate in the isolated perfused rat liver. Patel TB, et al. **Biochim Biophys Acta** 1986 Oct 10;888(3):316–24

In-vivo degradation of poly(lactic acid) of different molecular weights. Chawla AS, et al. **Biomater Med Devices Artif Organs** 1985–86; 13(3–4):153–62

Origin and utilization of volatile fatty acids and lactate in the rabbit: influence of the faecal excretion pattern. Vernay M. **Br J Nutr** 1987 May;57(3):371–81

Treatment of porcine malignant hyperthermia: lactate gradient from muscle to blood. Gronert GA, et al. **Can Anaesth Soc J** 1986 Nov;33(6):729–36

Effect of insulin on gluconeogenesis and the metabolism of lactate in sheep. Brockman RP, et al. **Can J Physiol Pharmacol** 1986 Aug;64(8):1055–9

Laboratory diagnosis of myocardial ischemia. Jackson G. **Cardiovasc Clin** 1985;15(1):45–65

Coronary hemodynamics and myocardial metabolism of lactate, free fatty acids, glucose, and ketones in patients with septic shock. Dhainaut JF, et al. **Circulation** 1987 Mar; 75(3):533–41

Respiration and lactate production in isolated frog skeletal muscle: effects of passive stretch. Barnes WS. **Comp Biochem Physiol [A]** 1987;86(2):229–32

Tissue glycogen and lactate handling by the developing domestic fowl. García FJ, et al. **Comp Biochem Physiol [A]** 1986;85(1):155–9

Tissue glycogen and lactate handling by the developing domestic fowl. García FJ, et al. **Comp Biochem Physiol [B]** 1986;85(4):727–31

Breakdown of high-energy phosphate compounds and lactate accumulation during short supramaximal exercise. Hirvonen J, et al. **Eur J Appl Physiol** 1987;56(3):253–9

Relationships between muscle lactate accumulation and surface EMG activities during isokinetic contractions in man. Horita T, et al. **Eur J Appl Physiol** 1987;56(1):18–23

Diffusion of lactate and its role in determining intracellular pH in the lens of the eye. Bassnett S, et al. **Exp Eye Res** 1987 Jan;44(1):143–7

Lactate production under fully aerobic conditions: the lactate shuttle during rest and exercise. Brooks GA. **Fed Proc** 1986 Dec;45(13):2924–9 (35 ref.)

Anaerobiosis, lactate, and gas exchange during exercise: the issues. Wasserman K. **Fed Proc** 1986 Dec;45(13):2904–9 (35 ref.)

Variations of fructose-2,6-diphosphate levels in cultured HT29 human colon cancer cells: influence of hexoses and lactate concentrations. Denis C, et al. **Int J Biochem** 1986; 18(12):1123–8

Distribution of metabolic fluxes towards glycerol phosphate and L-lactate from fructose 1,6-biphosphate in vitro: effect of glycerol phosphate dehydrogenase. Riol-Cimas JM, et al. **Int J Biochem** 1986;18(9):853–6

Impaired coronary vasodilator responsiveness as a cause of lactate production during pacing-induced ischemia in patients with angina pectoris and normal coronary arteries. Greenberg MA, et al. **J Am Coll Cardiol** 1987 Apr; 9(4):743–51

Evidence for a threshold relationship between lactate efflux and intracellular PO2 [letter] Cooper DM. **J Appl Physiol** 1987 Mar;62(3):1335–6

Lactate as substrate for glycogen resynthesis after exercise. Stevenson RW, et al. **J Appl Physiol** 1987 Jun;62(6):2237–40

Pyruvate dehydrogenase and the path of lactate degradation in Desulfovibrio vulgaris Miyazaki F. Ogata M, et al. **J Biochem (Tokyo)** 1986 Aug;100(2):311–8

Acute cerebral ischaemia: concurrent changes in cerebral blood flow, energy metabolites, pH, and lactate measured with hydrogen clearance and 31P and 1H nuclear magnetic resonance spectroscopy. II. Changes during ischaemia. Crockard HA, et al. **J Cereb Blood Flow Metab** 1987 Aug; 7(4):394–402

The effect of anaesthetics on the concentration of creatine phosphate, adenosine triphosphate and lactate in brain and skeletal muscle of the rat. McLoughlin JV, et al. **J Comp Pathol** 1987 May;97(3):341–9

Net absorption of glucose, L-lactate, volatile fatty acids, and nitrogenous compounds by bovine given abomasal infusions of starch or glucose. Huntington GB, et al. **J Dairy Sci** 1986 Sep;69(9):2428–36

L-serine enhances the anaerobic lactate metabolism of Veillonella dispar ATCC 17745. Hoshino E. **J Dent Res** 1987 Jun;66(6):1162–5

Effect of restriction of placental growth on fetal and utero-placental metabolism. Owens JA, et al. **J Dev Physiol** 1987 Jun;9(3):225–38

Temperature affects the diffusion of small molecules through cytosol of fish muscle. Sidell BD, et al. **J Exp Biol** 1987 May;129:191–203

Treatment of chronic congenital lactic acidosis by oral administration of dichloroacetate. Kuroda Y, et al. **J Inherited Metab Dis** 1986;9(3):244–52

Interstitial fluid of isolated perfused rat hearts: glucose and lactate concentration. Kammermeier H, et al. **J Mol Cell Cardiol** 1987 Feb;19(2):167–75

Lactate and pH in the brain: association and dissociation in different pathophysiological states. Paschen W, et al. **J Neurochem** 1987 Jan;48(1):154–9

Effects of increased ICP on brain phosphocreatine and lactate determined by simultaneous 1H and 31P NMR spectroscopy. Sutton LN, et al. **J Neurosurg** 1987 Sep; 67(3):381–6

Lactate transporter defect: a new disease of muscle? [editorial] **Lancet** 1987 Feb 14;1(8529):369–70

Lactate transporter defect [letter] Fishbein WN. **Lancet** 1987 Mar 28;1(8535):744

Detection of metabolites in rabbit brain by 13C NMR spectroscopy following administration of [1-13C]glucose. Behar KL, et al. **Magn Reson Med** 1986 Dec;3(6):911–20

Comparison of lactate concentration determinations in ischemic and hypoxic rat brains by in vivo and in vitro 1H NMR spectroscopy. Chang LH, et al. **Magn Reson Med** 1987 Jun;4(6):575–81

Lactic acid output of cat gastrocnemius–plantaris during repetitive twitch contractions. Stainsby WN, et al. **Med Sci Sports Exerc** 1986 Dec;18(6):668–73

Net hepatic lactate balance following mixed meal feeding in the four-day fasted conscious dog. Davis MA, et al. **Metabolism** 1987 Sep;36(9):856–62

Peripheral lactate and oxygen metabolism in man: the influence of oral glucose loading. Jackson RA, et al. **Metabolism** 1987 Feb;36(2):144–50

Cerebral lactic acid delivery and uptake during and after ischemia in the piglet. Laptook AR, et al. **Neurology** 1987 Sep;37(9):1549–52

Lactate and bicarbonate uptake in the sweat duct of cystic fibrosis and normal subjects. Bijman J, et al. **Pediatr Res** 1987 Jan;21(1):79–82

Gluconeogenesis from lactate in the small intestinal mucosa of suckling rats. Hahn P, et al. **Pediatr Res** 1986 Dec; 20(12):1321–3

Lactate production and absence of gluconeogenesis from placental transferred substrates in fetuses from fed and 48-H starved rats. Palacin M, et al. **Pediatr Res** 1987 Jul; 22(1):6–10

Contraluminal transport of small aliphatic carboxylates in the proximal tubule of the rat kidney in situ. Ullrich KJ, et al. **Pflugers Arch** 1986 Nov;407(5):488–92

Lysozyme activity and L(+)-lactic acid production in saliva in schoolchildren with high Lactobacillus counts. Twetman S, et al. **Scand J Dent Res** 1987 Apr;95(2):128–31

Lactate transporter defect: a new disease of muscle. Fishbein WN. **Science** 1986 Dec 5;234(4781):1254–6

Effect of pharmacological doses of 3-0-methyl-D-glucose and 2-deoxy-D-glucose on rat brain glucose and lactate. Miller LP, et al. **Stroke** 1986 Sep-Oct;17(5):957–61

Kinetics of L-lactate in pigs. II. Studies in stress resistant and stress susceptible pigs under different metabolic conditions. Bickhardt K, et al. **Zentralbl Veterinarmed** [A] 1987 May;34(5):377–89

Kinetics of L-lactate in pigs. I. Studies in resting pigs using different marker methods. Bickhardt K, et al. **Zentralbl Veterinarmed** [A] 1987 May;34(5):364–76

[An analysis of the acids produced in human dental plaques] Yue SL. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Mar; 21(2):69–72, 127 (Eng. Abstr.) **(Chi)**

[Influence of caecotrophy (coprophagia) on the production, absorption and utilization of organic acids in the rabbit] Vernay M. **Reprod Nutr Dev** 1986;26(5A):1137–49 (Eng. Abstr.) **(Fre)**

[Changes in heart metabolism (lactate) after aortocoronary bypass] Morgagni GL, et al. **Cardiologia** 1986 Feb; 31(2):133–40 (Eng. Abstr.) **(Ita)**

[Determination of lactate and granulocyte elastase can be useful in the diagnosis of pleuritis] Ripe E, et al. **Lakartidningen** 1987 May 13;84(20):1759–62 (Eng. Abstr.) **(Swe)**

PHARMACODYNAMICS

The effect of the omission of perfusate orthophosphate on lactate gluconeogenesis and Pi exchange in the perfused fasted rat liver. De Venanzi F, et al. **Acta Cient Venez** 1986;37(2):155–61

Pre-infusion heart rates and laboratory-induced panic anxiety. Yeragani VK, et al. **Acta Psychiatr Scand** 1987 Jan;75(1):51–4

Lactate increases potassium secretion by perfused rat kidney. Brezis M, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F873–8

Clinical characteristics and response to sodium lactate of patients with infrequent panic attacks. Cowley DS, et al. **Am J Psychiatry** 1987 Jun;144(6):795–8

Changes in serum chloride ion concentration following sodium lactate infusion [letter] George DT, et al. **Am J Psychiatry** 1986 Nov;143(11):1499

Urea and glucose formation in ovine liver after ammonia and lactate loading in vivo. Barej W, et al. **Ann Rech Vet** 1987;18(1):29–34

Cognitive determinants of lactate-induced anxiety. van der Molen GM, et al. **Behav Res Ther** 1986;24(6):677–80

Nitrogen-13 flux from L-[13N]glutamate in the isolated rabbit heart: effect of substrates and transaminase inhibition. Keen RE, et al. **Biochim Biophys Acta** 1986 Dec 10; 884(3):531–44

Can lactate-evoked cardiovascular responses be used to identify muscle ergoreceptors? Gregory JE, et al. **Brain Res** 1987 Feb 24;404(1-2):375–8

The effect of lactic acid and the volatile fatty acids on the aggregation behavior of Periplaneta americana (L.). McFarlane JE, et al. **Comp Biochem Physiol [C]** 1987; 86(1):45–7

Metabolic control of kidney hemodynamics in normal and insulin-dependent diabetic subjects. Effects of acetoacetic, lactic, and acetic acids. Trevisan R, et al. **Diabetes** 1987 Sep;36(9):1073–81

The effect of lactate on acetylcholine release evoked by various stimuli from Torpedo synaptosomes. Gaudry-Talarmain YM. **Eur J Pharmacol** 1986 Oct 7; 129(3):235–43

Vasopressin response to lactate infusion in normals and patients with panic disorder. Carr DB, et al. **Funct Neurol** 1986 Apr-Jun;1(2):123–7

Epinephrine, glucose, and lactate infusion in exercising adrenodemedullated rats. Winder WW, et al. **J Appl Physiol** 1987 Apr;62(4):1442–7

Effects of lactic acid on astrocytes in primary culture. Norenberg MD, et al. **J Neuropathol Exp Neurol** 1987 Mar; 46(2):154–66

Effects of lactate-induced panic attacks on brain stem auditory evoked potentials. Knott VJ, et al. **Neuropsychobiology** 1986;16(1):9–14

The influence of osmotic pressure, lactic acid and pH on ion and fluid absorption from the washed and temporarily isolated reticulo-rumen of sheep. Gaebel G, et al. **Zentralbl Veterinarmed** [A] 1987 Mar;34(3):220–6

[Effects of sodium beta-3,4-dihydroxyphenyl lactate and beta-phenyl lactic acid on prostacycline and thromboxane A2 contents in the plasma of rabbits after coronary artery occlusion] Zhu L, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Nov;7(6):533–6 (Eng. Abstr.) **(Chi)**

[Experimental research on using lactic acid for the disinfection of water] Ciochină IN, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr-Jun;90(2):327–31 (Eng. Abstr.) **(Rum)**

[Repellent effect of Mannich bases, derivatives of lactic acid esters] Kovalenko LG, et al. **Med Parazitol (Mosk)** 1987 Jan-Feb;(1):44–8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Modification of cardiovascular function by 'metabolic drugs'. Shrago E. **Adv Cardiol** 1986;35:127–34 (32 ref.)

Regulation of T-cell functions by L-lactate. Dröge W, et al. **Cell Immunol** 1987 Sep;108(2):405–16

SECRETION

Sweat lactate secretion during exercise in relation to women's aerobic capacity. Lamont LS. **J Appl Physiol** 1987 Jan; 62(1):194–8

Secretion of lactic acid by peritoneal macrophages during extracellular phagocytosis. The possible role of local hyperacidity in inflammatory demyelination. Young PR, et al. **J Neuroimmunol** 1987 Jul-Aug;15(3):295–308

THERAPEUTIC USE

A prospective analysis of hypertonic lactated saline v. Ringer's lactate-colloid for the resuscitation of severely burned children. Bowser-Wallace BH, et al. **Burns Incl Therm Inj** 1986 Aug;12(6):402–9

Therapeutic activity of lactate 12% lotion in the treatment of ichthyosis. Active versus vehicle and active versus a petrolatum cream. Buxman M, et al. **J Am Acad Dermatol** 1986 Dec;15(6):1253–8

An experimental study on prevention of postlaminectomy scar formation by the use of new materials. Mikawa Y, et al. **Spine** 1986 Oct;11(8):843–6

Serum osmolar and electrolyte changes associated with large infusions of hypertonic sodium lactate for intravascular volume expansion of patients undergoing aortic reconstruction. Shackford SR, et al. **Surg Gynecol Obstet** 1987 Feb;164(2):127–36

[Efficacy of high doses of molar lactate by the venous route in flecainide poisoning] Chouty F, et al. **Presse Med** 1987 May 9;16(17):808–10 (Eng. Abstr.) **(Fre)**

[Effect of the preparation Trimag on cerebral bioelectrical activity] Stratone A, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan-Mar;90(1):181–5 **(Rum)**

TOXICITY

The renal toxicity of (R)-3-chlorolactate in the rat. Porter KE, et al. **Chem Biol Interact** 1987;62(2):157–66

URINE

Excessive excretion of beta-alanine and of 3-hydroxypropionic, R- and S-3-aminoisobutyric, R- and S-3-hydroxyisobutyric and S-2-(hydroxymethyl)butyric acids probably due to a defect in the metabolism of the corresponding malonic semialdehydes. Pollitt RJ, et al. **J Inherited Metab Dis** 1985;8(2):75–9

Urinary excretion of lactate, 2-oxoglutarate, citrate, and glycerol in patients with glycogenosis type I. Fernandes J, et al. **Pediatr Res** 1987 Mar;21(3):279–82

LACTATION

see related
COLOSTRUM
MILK
MILK, HUMAN

Effect of centchroman on the genital organs of the offspring of rats when administered during lactation or during the neonatal period: a comparative study with ethynylestradiol and diethylstilbestrol. Dhar JD, et al. **Acta Eur Fertil** 1986 Jul-Aug;17(4):285–92

Pregnancy, delivery and lactation in hyperprolactinaemic women. Sas M, et al. **Acta Med Hung** 1986;43(1):13–22

Sulphasalazine and sulphapyridine serum levels in children to mothers treated with sulphasalazine during pregnancy and lactation. Esbjörner E, et al. **Acta Paediatr Scand** 1987 Jan;76(1):137–42

An epidemiological and genetic study on registered diseases in Finnish Ayrshire cattle. I. The data, disease occurrence and culling. Gröhn Y, et al. **Acta Vet Scand** 1986; 27(2):182–95

An epidemiological and genetic study on registered diseases in Finnish Ayrshire cattle. II. Reproductive disorders. Saloniemi H, et al. **Acta Vet Scand** 1986;27(2):196–208

An epidemiological and genetic study on registered diseases in Finnish Ayrshire cattle. IV. Clinical mastitis. Syväjärvi J, et al. **Acta Vet Scand** 1986;27(2):223–34

Wheat gluten during pregnancy and lactation: effects on mammary gland development and pup viability. Jansen GR, et al. **Am J Clin Nutr** 1987 Aug;46(2):250–7

The effects of exercise on milk yield, milk composition, and offspring growth in rats. Treadway JL, et al. **Am J Clin Nutr** 1986 Oct;44(4):481–8

Maternal dietary restriction during pregnancy and lactation: effect on digestive organ development in suckling rats. Young CM, et al. **Am J Clin Nutr** 1987 Jul;46(1):36–40

Lactational and clear cell changes of the breast in nonlactating, nonpregnant women. Tavassoli FA, et al. **Am J Clin Pathol** 1987 Jan;87(1):23–9

Contraceptive usage during lactation in the United States: an update. Ford K, et al. **Am J Public Health** 1987 Jan; 77(1):79–81

Effects in rats of dietary protein inadequacy on lactose production, milk volume and components of the lactose synthetase complex (EC 2.4.1.22). Grimble RF, et al. **Ann Nutr Metab** 1987;31(3):179–84

Plasma amino acid indices and urinary 3-methyl histidine excretion in dairy cows in early lactation. Motyl T, et al. **Ann Rech Vet** 1986;17(2):153–7

Electrophysiological evidence of "relaxation behavior" during suckling in lactating female cats. Cervantes M, et al. **Arch Invest Med (Mex)** 1985 Oct-Dec;16(4):323–36 **(Eng, Spa)**

Nutritive and nonnutritive determinants of milk intake of suckling rats. Cramer CP, et al. **Behav Neurosci** 1985 Jun; 99(3):578–82

Changes in brown adipose tissue lipoprotein lipase activity and lipogenesis rate during pregnancy and lactation in the rat. Villarroya F, et al. **Biochem Int** 1986 Sep;13(3):511–9

High plasma protein binding as a parameter in the selection of betablockers for lactating women. Riant P, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4579–81

Selective changes in gangliosides of human milk during lactation: a molecular indicator for the period of lactation. Takamizawa K, et al. **Biochim Biophys Acta** 1986 Oct 24; 879(1):73–7

Opioid inhibition of luteinizing hormone secretion in the postpartum lactating sow. Barb CR, et al. **Biol Reprod** 1986 Sep;35(2):368–71

Brown adipose tissue activity in hypocaloric-diet fed lactating rats. Villarroya F, et al. **Biosci Rep** 1986 Jul; 6(7):669–75

Mastitis and milk production in cattle in a communal land of Zimbabwe. Perry BD, et al. **Br Vet J** 1987 Jan-Feb; 143(1):44–50

Vaginal distension induces milk ejection-related burst of oxytocin neurones interacting with suckling stimuli in lactating rats. Negoro H, et al. **Brain Res** 1987 Feb 24; 404(1-2):371–4

Transfer of the tobacco-specific carcinogens N'-nitrosonornicotine and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone and benzo[a]pyrene into the milk of lactating rats. LaVoie EJ, et al. **Carcinogenesis** 1987 Mar;8(3):433–7

Effect of acupuncture on prolactin secretion of lactating rats. Xie QW, et al. **Chen Tzu Yen Chiu** 1986;11(4):303–7

Maternal disease as a consideration in lactation management. Asselin BL, et al. **Clin Perinatol** 1987 Mar;14(1):71–87

The management of lactation as a physiologic process. Lawrence RA. **Clin Perinatol** 1987 Mar;14(1):1–10

Providing professional lactation management consultation. Naylor A, et al. **Clin Perinatol** 1987 Mar;14(1):33–8

Iron metabolism during lactation and suckling in a marsupial, the quokka (Setonix brachyurus). Kaldor I, et al. **Comp Biochem Physiol [A]** 1986;84(4):691–4

Pituitary-induced lactation in mammary gland explants from the pregnant tammar (Macropus eugenii): a negative role for cyclic AMP. Maher F, et al. **Comp Biochem Physiol [A]** 1987;87(4):1107–17

Influence of age, sex, lactational state and exogenous growth hormone on erythrocyte UMP synthase in dairy cattle. Jones LR, et al. **Comp Biochem Physiol [B]** 1986; 84(4):489–95

Milk production of cows fed fluoride contaminated commercial feed. Eckerlin RH, et al. **Cornell Vet** 1986 Oct; 76(4):403–14

Effects of litter age, litter size, and ambient temperature on the milk ejection reflex in lactating rats. Jans JE, et al. **Dev Psychobiol** 1987 May;20(3):333–44

Sapid savvy in sucklings: the effect of quinine hydrochloride on intraoral negative pressure and intake by 11–13-day-old rat pups. Pelchat ML, et al. **Dev Psychobiol** 1987 May; 20(3):261–75

Glucocorticoid receptor of rat mammary gland during pregnancy and lactation. Alexandrová M. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2–3):293–300

Adrenocortical hormones and lactation: metabolism of 3H-corticosterone and 3H-aldosterone by rat mammary gland minces and by the nuclear fraction of the homogenates. Pearlman WH, et al. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2–3):301–9

Hypothalamic vasoactive intestinal peptide messenger ribonucleic acid is increased in lactating rats. Gozes I, et al. **Endocrinology** 1986 Dec;119(6):2497–501

Serotonergic terminals in the anterior hypothalamic nucleus involved in the prolactin release during suckling. Parisi MN, et al. **Endocrinology** 1987 Jun;120(6):2404–12

Observations on the long term effects of Brucella abortus infection in the horse, including effects during pregnancy and lactation. MacMillan AP, et al. **Equine Vet J** 1986 Sep; 18(5):388–90

Rapidly growing yolk sac tumor of the ovary in a lactating patient. Sacchi S, et al. **Eur J Gynaecol Oncol** 1987; 8(2):130–2

Facilitation of milk ejection-related activation of oxytocin-secreting neurones by osmotic stimulation in the rat. Negoro H, et al. **Exp Brain Res** 1987;65(2):312–6

Prolonged electrical stimulation of the nipples evokes intermittent milk ejection in the anaesthetised lactating rat. Sutherland RC, et al. **Exp Brain Res** 1987;66(1):29–34

Transacylase activity of lactating bovine mammary fatty acid synthase. Anderson GJ, et al. **FEBS Lett** 1987 Aug 17; 220(2):323–6

Relationship between the methods of treatment for prolactinomas and the puerperal lactation. Ikegami H, et al. **Fertil Steril** 1987 May;47(5):867–9

Recall by mothers of the birth weights and feeding of their children. Eaton-Evans J, et al. **Hum Nutr Appl Nutr** 1986 Jun;40(3):171–5

Dietary intake of vitamin A precursors by rural Gambian pregnant and lactating women. Villard L, et al. **Hum Nutr Appl Nutr** 1987 Apr;41(2):135–45

Longitudinal measurements of breast milk output by a 2H2O tracer technique in rural Papua New Guinean women. Orr-Ewing AK, et al. **Hum Nutr Clin Nutr** 1986 Nov; 40(6):451–67

Drugs in lactation. MacKintosh DA. **Indian J Pediatr** 1986 Jan–Feb;53(1):53–60

Evolution of the sensitivity of isolated adipocytes of ewes to the lipolytic effects of different stimuli during pregnancy and lactation. Iliou JP, et al. **Int J Biochem** 1987;19(3):253–8

Lactation educators/consultants [letter] Auerbach KG. **J Am Diet Assoc** 1986 Dec;86(12):1740

Biological and sociocultural determinants of successful lactation among women in eastern Connecticut. Ferris AM, et al. **J Am Diet Assoc** 1987 Mar;87(3):316–21

Effect of misidentification on the estimation of breeding value and heritability in cattle. Geldermann H, et al. **J Anim Sci** 1986 Dec;63(6):1759–68

Effect of genetic selection for milk yield and increased milking frequency on plasma growth hormone and prolactin concentration in Holstein cows. Kazmer GW, et al. **J Anim Sci** 1986 Oct;63(4):1220–7

Ovarian compensatory hypertrophy following unilateral ovariectomy in the suckled sow. Martin MJ, et al. **J Anim Sci** 1986 Aug;63(2):572–8

Changes in metabolic and reproductive characteristics associated with lactation and glucose infusion in the postpartum ewe. Rutter LM, et al. **J Anim Sci** 1986 Aug; 63(2):538–45

Return of fertility in lactating and non-lactating women. Zacharias S, et al. **J Biosoc Sci** 1987 Apr;19(2):163–9

Variance-covariance components associated with trimester yields of milk and fat and multiple trait sire evaluation for trimester yields. Agyemang K, et al. **J Dairy Sci** 1985 May; 68(5):1233–40

Changes in macroingredients of guinea pig milk through lactation. Anderson RR, et al. **J Dairy Sci** 1986 Sep; 69(9):2268–77

Effect of crude protein and solubility on performance and blood constituents of dairy cows. Blauwiekel R, et al. **J Dairy Sci** 1986 Aug;69(8):2091–8

Effects of neutral detergent fiber and roughage source on dry matter intake and milk yield and composition of dairy cows. Briceno JV, et al. **J Dairy Sci** 1987 Feb;70(2):298–308

Determinants of estrous behavior in lactating Holstein cows. Britt JH, et al. **J Dairy Sci** 1986 Aug;69(8):2195–202

Protected methionine supplementation with extruded blend of soybeans and soybean meal for dairy cows. Casper DP, et al. **J Dairy Sci** 1987 Feb;70(2):321–30

Comparison of heritability estimates from daughter on dam regression with three models to account for production level of dam. DeVeer JC, et al. **J Dairy Sci** 1986 Nov; 69(11):2890–6

Approximating prediction error variances for multiple trait sire evaluations. Greenhalgh SA, et al. **J Dairy Sci** 1986 Nov;69(11):2877–83

Adrenal response during periparturient period to adrenocorticotropin in dairy cattle fed corn silage and grass legume silage. Gwazdauskas FC, et al. **J Dairy Sci** 1986 Aug;69(8):2134–9

Effects of teat dipping on intramammary infections by staphylococci other than Staphylococcus aureus. Hogan JS, et al. **J Dairy Sci** 1987 Apr;70(4):873–9

Performance of dairy cows fed forage and grain separately versus a total mixed ration. Nocek JE, et al. **J Dairy Sci** 1986 Aug;69(8):2140–7

Field trial evaluation of premilking teat disinfection. Pankey JW, et al. **J Dairy Sci** 1987 Apr;70(4):867–72

Genetic and environmental differences between registered and grade Holstein cows. Powell RL, et al. **J Dairy Sci** 1986 Nov;69(11):2897–907

Sire and sire-feeding regimen interaction effects on lactation, growth, and carcass traits in dairy cattle. Rattanaronchart S, et al. **J Dairy Sci** 1985 May;68(5):1311–9

Genetics statistics and relationships of teat and udder traits, somatic cell counts, and milk production. Seykora AJ, et al. **J Dairy Sci** 1986 Sep;69(9):2395–407

Factor analysis for evaluating relationships between first lactation type scores and production data of Holstein dairy cows. Sieber M, et al. **J Dairy Sci** 1987 May;70(5):1018–26

Correlated response in feed efficiency accompanying selection for milk yield in Jerseys. Smothers CD, et al. **J Dairy Sci** 1986 Sep;69(9):2370–8

Impact of selection on components of variance and heritabilities of Canadian Holstein conformation traits. Van Doormaal BJ, et al. **J Dairy Sci** 1987 Jul;70(7):1452–7

Genetic change in milk yield estimated from simultaneous genetic evaluation of bulls and cows. Van Vleck LD, et al. **J Dairy Sci** 1986 Nov;69(11):2963–5

Potassium carbonate as a potassium source and dietary buffer for lactating Holstein cows during hot weather. West JW, et al. **J Dairy Sci** 1987 Feb;70(2):309–20

Prediction of transmitting ability of heifers from genetic evaluations of dams when dams and herdmates are required to have a first record. Westell RA, et al. **J Dairy Sci** 1985 May;68(5):1306–10

Estimating daily yields of cows milked three times a day. Wiggans GR. **J Dairy Sci** 1986 Nov;69(11):2935–40

Projection of protein yield to 305 days. Wiggans GR. **J Dairy Sci** 1986 Nov;69(11):2908–14

Naloxone stimulates sexual behaviour in lactating rats. Forsberg G, et al. **J Endocrinol** 1987 Jun;113(3):423–7

Mammary resistance: a possible controlling factor in milk ejection. Lau C, et al. **J Endocrinol** 1987 Mar;112(3):379–85

Experimental allergic encephalomyelitis: passive transfer of resistance during lactation. Brenner T, et al. **J Neuroimmunol** 1986 Oct;12(4):317–27

Protein synthesis in mammary acini isolated from lactating rats: effect of maternal diet. Geursen A, et al. **J Nutr** 1987 Apr;117(4):769–75

Milk lipid synthesis and secretion during milk stasis in the rat. Grigor MR, et al. **J Nutr** 1986 Sep;116(9):1789–97

Influence of pregnancy, lactation, litter size and diet energy density on the pancreas of sows. Pelletier G, et al. **J Nutr** 1986 Aug;116(8):1480–8

Zinc and copper in milk and tissues of nursing lethal milk mutant mice. Piletz JE, et al. **J Nutr** 1987 Jan;117(1):83–90

Relationships among dietary protein, feed intake and tissue protein turnover in lactating rats. Sainz RD, et al. **J Nutr** 1986 Sep;116(9):1820–9

Relationships among dietary protein, feed intake and changes in body and tissue composition of lactating rats. Sainz RD, et al. **J Nutr** 1986 Aug;116(8):1529–39

Lactation in the horse: the mineral composition of mare milk. Schryver HF, et al. **J Nutr** 1986 Nov;116(11):2142–7

Relative bioavailability of seleno-compounds in the lactating rat. Smith AM, et al. **J Nutr** 1987 Apr;117(4):725–31

Effects of dietary protein, fat and restriction on body composition and energy balance in lactating rats. Taylor JB, et al. **J Nutr** 1986 Aug;116(8):1519–28

Effect of fasting on amino acid metabolism by lactating mammary gland: studies in women and rats. Viña JR, et al. **J Nutr** 1987 Mar;117(3):533–8

Regulation of the milk ejection reflex in the rat. Dyball RE, et al. **J Physiol (Lond)** 1986 Nov;380:239–56

Insulin deficiency and metabolic disorders in high-yielding dairy cows. Giesecke D. **J S Afr Vet Assoc** 1986 Mar; 57(1):67–70

Identification and quantitation of free and conjugated steroids in milk from lactating women. Sahlberg BL, et al. **J Steroid Biochem** 1986 Sep;25(3):379–91

Epidemiologic study of Holstein dairy cow performance and reproduction near a high-voltage direct-current powerline. Martin FB, et al. **J Toxicol Environ Health** 1986; 19(3):303–24

Alteration of the quality of milk by expression of sheep beta-lactoglobulin in transgenic mice. Simons JP, et al. **Nature** 1987 Aug 6–12;328(6130):530–2

Cell types and their immunological functions in bovine mammary tissues and secretions—a review of the literature. Concha C. **Nord Vet Med** 1986 Sep-Oct;38(5):257–72 (112 ref.)

Nuclear proteins from lactating mammary glands bind to the promoter of a milk protein gene. Lubon H, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2103–21

Energy intake and lactation performance in women. **Nutr Rev** 1987 Jan;45(1):12–4 (5 ref.)

A simple method of milk extraction in mice. Ragueneau S. **Physiol Behav** 1986;38(3):443–5

Measurement by radioimmunoassay of casein content in rabbit mammary gland during pregnancy and after prolactin stimulation in organ culture. Jahn G, et al. **Proc Soc Exp Biol Med** 1987 Jan;184(1):19–23

Effect of growth hormone-releasing factor (1–29)NH2 and thyrotropin-releasing factor on growth hormone release in lactating sows. Dubreuil P, et al. **Reprod Nutr Dev** 1987; 27(2B):601–3

Synergism between a human growth hormone-releasing factor and thyrotropin-releasing factor on growth hormone release in relation with the stage of lactation of Holstein dairy cows. Lapierre H, et al. **Reprod Nutr Dev** 1987; 27(2B):605–7

Smoking and passive smoking during pregnancy and early infancy: effects on birth weight, lactation period, and cotinine concentrations in mother's milk and infant's urine. Schwartz-Bickenbach D, et al. **Toxicol Lett** 1987 Jan; 35(1):73–81

Haemonchus contortus and other trichostrongylid infections in parturient, lactating and dry ewes. Gibbs HC, et al. **Vet Parasitol** 1986 Nov;22(1–2):57–66

Some effects of water quality on the performance of high yielding cows in an arid climate. Challis DJ, et al. **Vet Rec** 1987 Jan 3;120(1):12–5

Milk antitrypsin, NAGase, plasmin and bacterial replication rate in whey. Effects of lactation stage, parity and daily milk yield. Mattila T, et al. **Zentralbl Veterinarmed [B]** 1986 Aug;33(6):462–70

[Analysis of the major constituents of breast milk at different stages of lactation] Jiang WS. **Chung Hua Fu Chan Ko Tsa Chih** 1987 Jan;22(1):32–5, 62 (Eng. Abstr.) **(Chi)**

[Continuing eco-pathological survey: 9. Influence of the level of production on the pathology of the dairy cow] Barnouin J, et al. **Ann Rech Vet** 1986;17(3):331–46 (Eng. Abstr.) **(Fre)**

[Continuing eco-pathological survey: 5. Demonstration of pathologic associations in dairy cow stock: individual data] Faye B, et al. **Ann Rech Vet** 1986;17(3):265–86 (Eng. Abstr.) **(Fre)**

[Continuing eco-pathological survey: 11. Development of pathological frequency in dairy cow stock as a function of the stage of lactation] Faye B, et al. **Ann Rech Vet** 1986; 17(3):247–55 (Eng. Abstr.) **(Fre)**

[Cell count and cell pattern of udder secretion of cows before the dry period and at the beginning of the dry period] Hirsch HP. **Arch Exp Veterinarmed** 1987 Jan;41(1):1–6 (Eng. Abstr.) **(Ger)**

[In vitro phagocytosis of polymorphonuclear leukocytes of udder secretions before and after the dry period of cows] Hirsch HP. **Arch Exp Veterinarmed** 1987 Jan;41(1):7–11 (Eng. Abstr.) **(Ger)**

[1981–1983 breast feeding studies of 1,500 mothers in Dortmund and Haltern. II. Volume of breast milk in the maternity ward] Kersting M, et al. **Monatsschr Kinderheilkd** 1987 May;135(5):247–52 (Eng. Abstr.) **(Ger)**

[The lactating breast in the magnetic resonance tomogram. Spin-echo and fat-water images] Kaiser WA. **ROFO** 1987 Jan;146(1):47–51 (Eng. Abstr.) **(Ger)**

[Behavior of DDT in fetal and newborn rats] Kujawa M, et al. **Z Gesamte Hyg** 1986 Aug;32(8):468–70 (Eng. Abstr.) **(Ger)**

[Electron microscopic studies of the differentiation of the mammary gland parenchyma in goats during pregnancy and early lactation] Augsburger H. **Zentralbl Veterinarmed [A]** 1987 Aug;34(7):529–44 (Eng. Abstr.) **(Ger)**

[Involution of the mammary gland in goats. Histological and histochemical studies at various times following drying out] Geyer H, et al. **Zentralbl Veterinarmed [A]** 1986 Aug; 33(6):451–73 (Eng. Abstr.) **(Ger)**

[Prenatal and galactogenic infections with Toxocara mystax Zeder 1800 (Anisakidae) in the mouse] Schön J, et al. **Zentralbl Veterinarmed [B]** 1986 Aug;33(6):397–412 (Eng. Abstr.) **(Ger)**

[Secretion of milk] Aono T, et al. **Nippon Rinsho** 1986 Jul; 44(7):1564–9 (10 ref.) **(Jpn)**

[Rational nutrition for pregnant and breast-feeding women] Zakrevskii AA. **Akush Ginekol (Mosk)** 1986 Oct;(10):71–5 **(Rus)**

BLOOD

Evidence that exteroceptive stimuli other than suckling have no major effect on plasma prolactin in lactating rats. Mattheij JA, et al. **Acta Endocrinol (Copenh)** 1987 Mar; 114(3):417–25

Serum prolactin and cortisol levels after suckling for varying periods of time and the effect of a nipple shield. Amatayakul K, et al. **Acta Obstet Gynecol Scand** 1987; 66(1):47–51

Effects of acute haemorrhagic hypotension during pregnancy and lactation in conscious goats. Olsson K, et al. **Acta Physiol Scand** 1987 Apr;129(4):479–87

Plasma prolactin concentrations throughout lactation in the eastern quoll, Dasyurus viverrinus (Marsupialia:Dasyuridae). Hinds LA, et al. **Aust J Biol Sci** 1986;39(2):179–86

Changes in prolactin in peripheral plasma during lactation in the brushtail possum Trichosurus vulpecula. Hinds LA, et al. **Aust J Biol Sci** 1986;39(2):171–8

Secretion of luteinizing hormone and oestradiol–17 beta in post partum milked and suckled cows. Fisher MW, et al. **Br Vet J** 1986 Nov–Dec;142(6):569–77

Decrease of free thyroxin in serum of lactating women. Iwatani Y, et al. **Clin Chem** 1987 Jul;33(7):1217–9

Nursing behaviour, prolactin and postpartum amenorrhoea during prolonged lactation in American and !Kung mothers. Stern JM, et al. **Clin Endocrinol (Oxf)** 1986 Sep; 25(3):247–58

Haematological values during normal reproduction of the maternal and the fetal rabbit. Kriesten K, et al. **Comp Biochem Physiol [A]** 1987;87(2):479–85

Plasma levels of gastrin, somatostatin, and cholecystokinin immunoreactivity during pregnancy and lactation in dogs. Linden A, et al. **Gastroenterology** 1987 Mar;92(3):578–84

Prolactin and delay of implantation in lactating adrenalectomized rats. van der Schoot P, et al. **Horm Res** 1986;24(1):46–54

Changing osteocalcin concentrations during pregnancy and lactation: implications for maternal mineral metabolism. Cole DE, et al. **J Clin Endocrinol Metab** 1987 Aug; 65(2):290–4

Cyclic changes in plasma calcium and the calcium homeostatic endocrine system of the postparturient dairy cow. Hove K. **J Dairy Sci** 1986 Aug;69(8):2072–82

Episodic prolactin and growth hormone secretion not related to the actual suckling activity in lactating rats. Nagy G, et al. **J Endocrinol** 1986 Oct;111(1):137–42

Hypothalamo–pituitary portal blood concentrations of beta–endorphin during suckling in the ewe. Gordon K, et al. **J Reprod Fertil** 1987 Mar;79(2):397–408

Relationship between serum total cholesterol level and the number of transferable embryos in relation to milk yield in superovulated cows. Kweon OK, et al. **Jpn J Vet Res** 1987 Apr;35(2):73–8

Comparison of plasma profiles of oxytocin and prolactin following suckling in the rat. Grosvenor CE, et al. **Neuroendocrinology** 1986;43(6):679–85

Decrease in plasma insulin concentration in lactating rat. Mizoguchi J, et al. **Nippon Juigaku Zasshi** 1986 Aug; 48(4):837–9

Effects of 1 alpha–hydroxyvitamin D3 injection on plasma 1 alpha, 25–dihydroxyvitamin D concentration in lactating cows. Naito Y, et al. **Nippon Juigaku Zasshi** 1987 Jun; 49(3):477–83

Plasma levels of immunoreactive ceruloplasmin and other acute phase proteins during lactation. DiSilvestro RA. **Proc Soc Exp Biol Med** 1986 Nov;183(2):257–61

Seasonal variations in plasma phosphorus levels of transhumant sheep in Kordofan, Sudan. Cook RH, et al. **Trop Anim Health Prod** 1987 Feb;19(1):57–62

CEREBROSPINAL FLUID

Offspring control of cerebrospinal fluid GABA concentrations in lactating rats. Qureshi GA, et al. **Neurosci Lett** 1987 Mar 20;75(1):85–8

DRUG EFFECTS

Endocrine and clinical results in administering lisuride for inhibiting lactation. Zanagnolo VL, et al. **Acta Eur Fertil** 1987 Jan–Feb;18(1):21–4

Single dose bromocriptine microcapsules in postpartum lactation inhibition. Svanberg L, et al. **Acta Obstet Gynecol Scand** 1987;66(1):61–2

Blood pressure response to angiotensin II in pregnant and lactating goats maintained on high or low sodium intake. Olsson K, et al. **Acta Physiol Scand** 1987 Jan;129(1):73–80

Effect of Norplant on mothers and infants in the postpartum period. Affandi B, et al. **Adv Contracept** 1986 Dec; 2(4):371–80

Effects of ethanol on social behaviour directed towards male intruders by lactating Swiss mice. Smoothy R, et al. **Alcohol Alcohol** 1986;21(3):241–5

Polychlorinated biphenyls (PCBs) and dichlorodiphenyl dichloroethene (DDE) in human milk: effects on growth, morbidity, and duration of lactation. Rogan WJ, et al. **Am J Public Health** 1987 Oct;77(10):1294–7

Central inhibitory effects of relaxin on the milk ejection reflex of the rat depends upon the site of injection into the cerebroventricular system. O'Byrne KT, et al. **Brain Res** 1987 Mar 3;405(1):80–3

Metabolic side–effects of injectable depot–medroxyprogesterone acetate, 150 mg three–monthly, in undernourished lactating women. WHO Task Force on Long–acting Agents for Fertility Regulation. **Bull WHO** 1986;64(4):587–94

Prevention of puerperal lactation with Parlodel long–acting (Parlodel LA). Rolland R, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Sep;22(5–6):337–43

Suppression of lactation by an antiestrogen, tamoxifen. Shaaban MM. **Eur J Obstet Gynecol Reprod Biol** 1975; 4(5):167–9

Inhibition of puerperal lactation by means of a single injection of bromocriptine retard. Valsamis J, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 May;25(1):43–51

Applications of hormones in the metabolic regulation of growth and lactation in ruminants. Tucker HA, et al. **Fed Proc** 1987 Feb;46(2):300–6

Effect of neonatal androgenization on parturition, lactation and on subsequent fertility in rats. Shanbhag AB, et al. **Indian J Exp Biol** 1987 Jan;25(1):5–10

Effect of lasalocid on fall–calving beef cows. Hopman B, et al. **J Anim Sci** 1986 Dec;63(6):1722–7

Gonadotropin releasing hormone–induced secretion of luteinizing hormone during the milk–ejection reflex in the postpartum beef cow. Jaeger JR, et al. **J Anim Sci** 1987 Aug;65(2):543–7

Effect of supplementation with concentrates and lasalocid during late pregnancy and lactation on productivity of Rambouillet ewes and development of wool follicles in their lambs. Shetaewi MM, et al. **J Anim Sci** 1987 Aug; 65(2):351–8

Failure of cortisol injected prior to milking to inhibit milk ejection in dairy cattle. Mayer HK, et al. **J Dairy Res** 1987 May;54(2):173–7

ACTH initiation of mammary secretion in pregnant goats is influenced by the stage of gestation and pre partum milking. Stewart HJ, et al. **J Dairy Res** 1987 May; 54(2):179–91

Growth hormone–releasing factor effects on pituitary function, growth, and lactation. Baile CA, et al. **J Dairy Sci** 1987 Feb;70(2):467–73 (48 ref.)

Efficacy of Levamisol on milk production of dairy cows: a field study. Block E, et al. **J Dairy Sci** 1987 May; 70(5):1080–5

Effects of feeding monensin sodium to lactating goats: milk composition and ruminal volatile fatty acids. Brown DL, et al. **J Dairy Sci** 1985 May;68(5):1141–7

Effects of intake and postruminal casein infusion on performance and concentrations of hormones in plasma of lactating cows. Cohick WS, et al. **J Dairy Sci** 1986 Dec; 69(12):3022–31

Effect of 188–day treatment with somatotropin on health and reproductive performance of lactating dairy cows. Eppard PJ, et al. **J Dairy Sci** 1987 Mar;70(3):582–91

Effect of dose of bovine growth hormone on lactation of dairy cows. Eppard PJ, et al. **J Dairy Sci** 1985 May; 68(5):1109–15

Induction of lactation: histological and biochemical development of mammary tissue and milk yields of cows injected with estradiol–17 beta and progesterone for 21 days. Fleming JR, et al. **J Dairy Sci** 1986 Dec; 69(12):3008–21

Adverse effect of beta–carotene in diet on fertility of dairy cows. Folman Y, et al. **J Dairy Sci** 1987 Feb;70(2):357–66

Sodium bicarbonate and alfalfa hay additions to wheat silage diets fed to lactating dairy cows. Harrison GA, et al. **J Dairy Sci** 1986 Sep;69(9):2321–33

Influence of niacin and whole cottonseed on intake, milk yield and composition, and systemic responses of dairy cows. Horner JL, et al. **J Dairy Sci** 1986 Dec; 69(12):3087–93

Correction of subnormal fertility with copper and magnesium supplementation. Ingraham RH, et al. **J Dairy Sci** 1987 Jan;70(1):167–80

Effects of feeding or infusing ammonium salts of volatile fatty acids on ruminal fermentation, plasma characteristics, and milk production of cows. Klusmeyer TH, et al. **J Dairy Sci** 1987 Jan;70(1):50–63

Endotoxin of Escherichia coli and permeability of the mammary gland of goats. Lengemann FW, et al. **J Dairy Sci** 1987 Jan;70(1):201–8

Potential impact of the growth hormone and other technology on the United States dairy industry by the year 2000. Mix LS. **J Dairy Sci** 1987 Feb;70(2):487–97

Effect of growth hormone on milk yields and related physiological functions of Holstein cows exposed to heat stress. Mohammed ME, et al. **J Dairy Sci** 1985 May; 68(5):1123–33

Somatotropin and lactation. Peel CJ, et al. **J Dairy Sci** 1987 Feb;70(2):474–86 (72 ref.)

Effects of sodium bicarbonate with three ratios of hay crop silage to concentrate for dairy cows. Stokes MR, et al. **J Dairy Sci** 1986 Oct;69(10):2671–80

Effects of potassium carbonate and sodium bicarbonate on rumen function in lactating Holstein cows. West JW, et al. **J Dairy Sci** 1987 Jan;70(1):81–90

Diurnal regulation of milk lipid production and milk secretion in the rat: effect of dietary protein and energy restriction. Grigor MR, et al. **J Nutr** 1987 Apr;117(4):748–53

Metergoline as an inhibitor of prolactin release. Caballero A Sr, et al. **J Reprod Med** 1987 Feb;32(2):115–9

The effects of aluminium ingestion on reproduction and postnatal survival in rats. Domingo JL, et al. **Life Sci** 1987 Aug 31;41(9):1127–31

Metoclopramide effect on faltering milk production by mothers of premature infants. Ehrenkranz RA, et al. **Pediatrics** 1986 Oct;78(4):614–20

Effects of chronic ethanol consumption on lactational performance in rat: mammary gland and milk composition and pups' growth and metabolism. Vilaró S, et al. **Pharmacol Biochem Behav** 1987 Jun;27(2):333–9

Bovine somatotrophin [published erratum appears in Vet Rec; 1987 Jan 31;120(5):120] Baldwin DR. **Vet Rec** 1987 Jan 24;120(4):77

Effects of two glucocorticoids on milk yield and biochemical measurements in healthy and ketotic cows. Wierda A, et al. **Vet Rec** 1987 Mar 28;120(13):297–9

Effects of feeding ergot–contaminated grain to pregnant and nursing sows. Dignean MA, et al. **Zentralbl Veterinarmed [A]** 1986 Dec;33(10):757–66

[Suppression of unwanted lactation in parturients with estrogens and bromocriptine] Pranchev N. **Akush Ginekol (Sofiia)** 1986;25(5):29–32 (Eng. Abstr.) **(Bul)**

[Effect of reserpine on the lactose, iron and lactoferrin content of the milk of lactating rabbits] Mutafchiev D. **Eksp Med Morfol** 1987;26(2):35–9 (Eng. Abstr.) **(Bul)**

[Mechanisms of the lactogenic action of thyroid hormones and nonspecific resistance in ruminants] Tomov T, et al. **Vet Med Nauki** 1987;24(4):27–36 (Eng. Abstr.) **(Bul)**

[Effect of various methods of promoting the secretion of breast milk] Zhang RY, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb;7(2):89–90, 69 (Eng. Abstr.) **(Chi)**

[Promoting lactation with the aid of drugs] Sondervan–Frank BS. **Ned Tijdschr Geneeskd** 1987 Jun 27;131(26):1112–7 **(Dut)**

[Effect of the addition of sorbitol to the feed of lactating cows on their performance and blood composition] Remond B, et al. **Ann Rech Vet** 1987;18(1):91–7 (Eng. Abstr.) **(Fre)**

[Bromine, bromides, pregnancy and lactation. Apropos of 2 case reports] Jean P, et al. **J Toxicol Clin Exp** 1985 Jan–Feb;5(1):25–33 (Eng. Abstr.) **(Fre)**

[Effects of PGF2 alpha prostaglandins on milk ejection in the ewe. Consequences of ovariectomy with or without estroprogestative complementation] Labussière J, et al. **Reprod Nutr Dev** 1986;26(4):933–42 (Eng. Abstr.) **(Fre)**

[Value of cyclofenil in the inhibition of lactation. Efficacy compared to bromocriptine] Cingotti M, et al. **Rev Fr Gynecol Obstet** 1986 Jun–Jul;81(6–7):369–72 (Eng. Abstr.) **(Fre)**

[Drug treatment of pain. 4: Headache and migraine, drug interactions, contra–indications, use of analgesics in pregnancy and lactation] Kromer W. **Fortschr Med** 1986 Nov 6;104(41):771–4 (Eng. Abstr.) **(Ger)**

[Vitamin and mineral substances in pregnancy and lactation. Report from an international symposium "Vitamins and Minerals in Pregnancy and Lactation"] **Med Monatsschr Pharm** 1987 Mar;10(3):83–6 **(Ger)**

[Methylergometrine in early puerperium. Comparative research on its effects at the uterine level and on lactation] Malanetto C, et al. **Minerva Ginecol** 1986 Sep;38(9):707–27 (Eng. Abstr.) **(Ita)**

[Reproduction studies of VP 16–213 (IV)—Oral administration to rats during the perinatal and lactation periods] Takahashi N, et al. **J Toxicol Sci** 1986 Apr;11 Suppl 1:241–61 (Eng. Abstr.) **(Jpn)**

[Reproduction studies of VP 16–213 (VI)—Intravenous administration to rats during the perinatal and lactation periods] Takahashi N, et al. **J Toxicol Sci** 1986 Apr;11 Suppl 1:281–300 (Eng. Abstr.) **(Jpn)**

[Comprehensive approach to the clinical study of the administration of dehydroepiandrosterone–sulfate (DHA–S) during the induction of labor] Aisaka K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Sep; 38(9):1605–12 (Eng. Abstr.) **(Jpn)**

[Effect of nomifensine on the secretion of prolactin in the puerperium and its impact on lactation] Canales ES, et al. **Gac Med Mex** 1987 Jan–Feb;123(1–2):27–31 **(Spa)**

[Influence of Norplant contraceptive implants on lactation and infant growth] Díaz S, et al. **Rev Chil Obstet Ginecol** 1985;50(5):421–8 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Absolute and relative concentrations of immunoglobulins G, M, and A, and albumin in the lacteal secretion of sows of different lactation numbers. Klobasa F, et al. **Am J Vet Res** 1987 Feb;48(2):176–82

Influence of maternal food antigen avoidance during pregnancy and lactation on incidence of atopic eczema in infants. Chandra RK, et al. **Clin Allergy** 1986 Nov; 16(6):563–9

Lymphocyte localization in lymph nodes of pubescent, prepartum, and postpartum sheep. Harp JA, et al. **Vet Immunol Immunopathol** 1987 Jul;15(4):297–310

METABOLISM

Immunoextracted calcitonin in milk and plasma from totally thyroidectomized women. Evidence of monomeric calcitonin in plasma during pregnancy and lactation. Bucht E, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):529–35

Investigation into the role of dopamine and lysosomes in the impairment of prolactin transformation and release imposed by long periods of non–suckling in the rat. Mena F, et al. **Acta Endocrinol (Copenh)** 1987 Mar;114(3):371–8

Effects of increased dietary calcium intake upon the calcium and bone mineral status of lactating adolescent and adult women. Chan GM, et al. **Am J Clin Nutr** 1987 Aug; 46(2):319–23

Variations of phylloquinone concentration in human milk at various stages of lactation and in cow's milk at various

seasons. Fournier B, et al. **Am J Clin Nutr** 1987 Mar; 45(3):551–8

Effect of insulin on in vivo glucose utilization in individual tissues of anesthetized lactating rats. Burnol AF, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):E183–8

Clinical effects of low dietary phosphorus concentrations in feed given to lactating dairy cows. Call JW, et al. **Am J Vet Res** 1987 Jan;48(1):133–6

Pharmacokinetics and tissue residues of gentamicin in lactating cows after multiple intramuscular doses are administered. Haddad NS, et al. **Am J Vet Res** 1987 Jan; 48(1):21–7

Sulphur amino acid levels in some tissues of the rat during pregnancy and lactation. López-Tejero D, et al. **Ann Nutr Metab** 1987;31(1):47–54

Properties of ornithine decarboxylase–antizyme from mammary gland of lactating rats. Hu YW, et al. **Arch Biochem Biophys** 1987 May 1;254(2):637–41

Efficiency of food utilization by pregnant and lactating sows. 2. The influence of isocaloric diets with different protein levels on pregnancy and lactation. Burlacu G, et al. **Arch Tierernahr** 1986 Sep;36(9):803–25

Effect of 1,25 dihydroxyvitamin D3 on the calcium and magnesium metabolism of lactating cows. Moate PJ, et al. **Aust Vet J** 1987 Mar;64(3):73–5

The maximal activity of phosphate-dependent glutaminase and glutamine metabolism in late-pregnant and peak-lactating rats. Ardawi MS. **Biochem J** 1987 Feb 15; 242(1):75–80

Synthesis of milk specific fatty acids and proteins by dispersed goat mammary-gland epithelial cells. Hansen HO, et al. **Biochem J** 1986 Aug 15;238(1):167–72

Absence of monoacylglycerol pathway for triacylglycerol synthesis in goat mammary gland. Hansen HO, et al. **Biochem J** 1986 Aug 15;238(1):173–6

Effects of lactation and removal of pups on the rate of triacyglycerol/fatty acid substrate cycling in white adipose tissue of the rat. Hansson P, et al. **Biochem J** 1987 Apr 1;243(1):267–71

Tissue-specific changes in the ability of insulin and noradrenaline to activate pyruvate dehydrogenase in vivo during lactation in the rat. Kilgour E, et al. **Biochem J** 1987 Apr 1;243(1):69–74

Insulin activation of lipogenesis in isolated mammary acini from lactating rats fed on a high-fat diet. Evidence that acetyl-CoA carboxylase is a site of action. Munday MR, et al. **Biochem J** 1987 Mar 15;242(3):905–11

The role of acetyl-CoA carboxylase phosphorylation in the control of mammary gland fatty acid synthesis during the starvation and re-feeding of lactating rats. Munday MR, et al. **Biochem J** 1986 Jul 1;237(1):85–91

A novel whey protein synthesized only in late lactation by the mammary gland from the tammar (Macropus eugenii). Nicholas KR, et al. **Biochem J** 1987 Feb 1;241(3):899–904

Evidence for conservation of dietary lipid in the rat during lactation and the immediate period after removal of the litter. Decreased oxidation of oral [1-14C]triolein. Oller do Nascimento CM, et al. **Biochem J** 1986 Oct 1; 239(1):233–6

Diurnal variation in the fraction of 3-hydroxy-3-methylglutaryl-coenzyme A reductase in the active form in the mammary gland of the lactating rat. Smith RA, et al. **Biochem J** 1986 Oct 15;239(2):285–93

Role of growth hormone in the adaptations of lipolysis in rat adipocytes during recovery from lactation. Vernon RG, et al. **Biochem J** 1987 Mar 15;242(3):931–4

Essential metal status of rat lactating dams. Segués T, et al. **Biol Res Pregnancy Perinatol** 1987;8(1 1ST Half):18–22

Decrease in amylase (EC 3.4.21.4) synthesis in lactating rats. Mizoguchi J, et al. **Br J Nutr** 1987 Mar;57(2):291–9

The influence of suckling on the hypothalamic and pituitary secretion of immunoreactive alpha-melanocyte stimulating hormone. Khorram O, et al. **Brain Res** 1986 Nov 29; 398(2):361–5

Reduced noradrenaline turnover in brown adipose tissue of lactating rats. Villarroya F, et al. **Comp Biochem Physiol [A]** 1987;86(3):481–3

Regulation by dietary calcium of vitamin D-dependent calcium-binding protein and active calcium transport in the small intestine of lactating rats. Bruns ME, et al. **Endocrinology** 1987 Jul;121(1):278–83

Effects of maternal iodine deficiency on thyroid hormone economy of lactating dams and pups: maintenance of normal cerebral 3,5,3'-triiodo-L-thyronine concentrations in pups during major phases of brain development. Escobar del Rey F, et al. **Endocrinology** 1987 Aug;121(2):803–11

Liver tissue produces a potent lactogen that partially mimics the actions of prolactin. Hoeffler JP, et al. **Endocrinology** 1987 Apr;120(4):1679–81

Colocalization of prolactin and growth hormone within specific adenohypophyseal cells in male, female, and lactating female rats. Nikitovitch-Winer MB, et al. **Endocrinology** 1987 Aug;121(2):625–30

Glycerogenic pathway in the rat mammary gland. Jiménez J, et al. **Int J Biochem** 1987;19(2):201–4

Lipid and retinol contents in the milk of Egyptian mothers with normal and sick infants. Hussein L, et al. **Int J Vitam Nutr Res** 1987;57(1):3–10

Relationship between riboflavin intake and excretion in female rats after weaning of the litter. Leclerc J, et al. **Int J Vitam Nutr Res** 1987;57(1):45–51

Calcium intake and bone density of lactating women in their late childbearing years. Byrne J, et al. **J Am Diet Assoc** 1987 Jul;87(7):883–7

Effect of restriction of energy during lactation on body condition, energy metabolism, endocrine changes and reproductive performance in primiparous sows. Armstrong JD, et al. **J Anim Sci** 1986 Dec;63(6):1915–25

Effect of protein and energy intake by primiparous sows during lactation on sow and litter performance and sow serum thyroxine and urea concentrations. Brendemuhl JH, et al. **J Anim Sci** 1987 Apr;64(4):1060–9

Simultaneous measures of rates of ruminal digestion and passage of feeds for prediction of ruminal nitrogen and dry matter digestion in lactating dairy cows. Erdman RA, et al. **J Anim Sci** 1987 Feb;64(2):565–77

Composition of sow milk during lactation. Klobasa F, et al. **J Anim Sci** 1987 May;64(5):1458–66

Metabolic utilization of energy and maintenance requirements in lactating sows. Noblet J, et al. **J Anim Sci** 1987 Mar; 64(3):774–81

Effect of energy level in lactating sows on yield and composition of milk and nutrient balance of piglets. Noblet J, et al. **J Anim Sci** 1986 Dec;63(6):1888–96

Casein secretion by mammary gland epithelia from collagen gel cultures and lactating glands. Rocha V, et al. **J Cell Physiol** 1987 Aug;132(2):343–8

Metabolism of the lactating cow. I. Animal elements of a mechanistic model. Baldwin RL, et al. **J Dairy Res** 1987 Feb;54(1):77–105

Metabolism of the lactating cow. II. Digestive elements of a mechanistic model. Baldwin RL, et al. **J Dairy Res** 1987 Feb;54(1):107–31

Metabolism of the lactating cow. III. Properties of mechanistic models suitable for evaluation of energetic relationships and factors involved in the partition of nutrients. Baldwin RL, et al. **J Dairy Res** 1987 Feb; 54(1):133–45

Effect of stage of lactation, stage of pregnancy, milk yield and herd management on seasonal variation in spontaneous lipolysis in bovine milk. Chazal MP, et al. **J Dairy Res** 1986 Nov;53(4):529–38

Effect of nature of forage on spontaneous lipolysis in milk from cows in late lactation. Chazal MP, et al. **J Dairy Res** 1987 Feb;54(1):13–8

Concentration of thyroid hormones and prolactin in dairy cattle serum and milk at three stages of lactation. Akasha MA, et al. **J Dairy Sci** 1987 Feb;70(2):271–6

Variation in N-acetyl-beta-D-glucosaminidase activity and somatic cell count among various milk fractions. Berning LM, et al. **J Dairy Sci** 1987 May;70(5):1054–60

Effect of prepartum energy, body condition, and sodium bicarbonate on production of cows in early lactation. Boisclair Y, et al. **J Dairy Sci** 1986 Oct;69(10):2636–47

Relative value of solvent and expeller soybean meal for lactating dairy cows. Broderick GA. **J Dairy Sci** 1986 Nov; 69(11):2948–58

Effects of feeding monensin to lactating goats: acetyl coenzyme A carboxylase, hormone-sensitive lipase, plasma glucose, and circulating hormones. Brown DL, et al. **J Dairy Sci** 1987 Apr;70(4):823–30

Phytate phosphorus intake and disappearance in the gastrointestinal tract of high producing dairy cows. Clark WD Jr, et al. **J Dairy Sci** 1986 Dec;69(12):3151–5

Excretion of deoxynivalenol and its metabolite in milk, urine, and feces of lactating dairy cows. Côté LM, et al. **J Dairy Sci** 1986 Sep;69(9):2416–23

Dietary fat and nitrogen composition of milk from lactating cows. DePeters EJ, et al. **J Dairy Sci** 1987 Jun; 70(6):1192–201

Role of the isocitrate dehydrogenases and other Krebs cycle enzymes in lactating bovine mammary gland. Farrell HM Jr, et al. **J Dairy Sci** 1987 Apr;70(4):781–8

Effects of diet nitrogen and forage nitrogen insolubility on performance of cows in early lactation. Glenn BP, et al. **J Dairy Sci** 1986 Nov;69(11):2825–36

Effect of amount and source of dietary nitrogen on milk fat depression in early lactation dairy cows. Jaquette RD, et al. **J Dairy Sci** 1987 Jun;70(6):1202–10

Regulation of bovine adipose tissue metabolism during lactation. 1. Lipid synthesis in response to increased milk production and decreased energy intake. McNamara JP, et al. **J Dairy Sci** 1986 Dec;69(12):3032–41

Regulation of bovine adipose tissue metabolism during lactation. 2. Lipolysis response to milk production and energy intake. McNamara JP, et al. **J Dairy Sci** 1986 Dec; 69(12):3042–50

Regulation of bovine adipose tissue metabolism during lactation. 3. Adaptations of hormone-sensitive and lipoprotein lipases. McNamara JP, et al. **J Dairy Sci** 1987 Jul;70(7):1377–84

Measurement of water kinetics with deuterium oxide in lactating dairy cows. Odwongo WO, et al. **J Dairy Sci** 1985 May;68(5):1155–64

Plasma amino acids and milk protein production by cows fed rumen-protected methionine and lysine. Rogers JA, et al. **J Dairy Sci** 1987 Apr;70(4):789–98

Performance of lactating dairy cows fed silage from corn of varying maturities. St Pierre NR, et al. **J Dairy Sci** 1987 Jan;70(1):108–15

Protein supply from undegraded dietary protein. Satter LD. **J Dairy Sci** 1986 Oct;69(10):2734–49

Dietary energy regulation during gestation on subsequent lactational response to soybean meal or dried brewers grains. Seymour WM, et al. **J Dairy Sci** 1986 Nov; 69(11):2837–45

Calcium sources for milk production in Holstein cows via changes in dry matter intake, mineral utilization, and mineral source buffering potential. Wohlt JE, et al. **J Dairy Sci** 1986 Nov;69(11):2815–24

Lactation-induced changes in calcium handling by rat pancreatic islets. Hubinont CJ, et al. **J Dev Physiol** 1987 Feb;9(1):31–9

Effect of chronic maternal hyperkalaemia on plasma, cerebrospinal fluid and brain interstitial fluid potassium in developing rats. Keep RF, et al. **J Dev Physiol** 1987 Feb; 9(1):89–95

The occurrence of pituitary prolactin depletion-transformation in lactating rats: dependence on strain of rats, homogenization conditions and method of assay. Lawson DM, et al. **J Endocrinol** 1987 Apr; 113(1):71–80

Metabolic fate and elimination in milk, urine and bile of deoxynivalenol following administration to lactating sheep. Prelusky DB, et al. **J Environ Sci Health [B]** 1987 Apr; 22(2):125–48

Energy allocation during concurrent pregnancy and lactation in Norway rats with delayed and undelayed implantation. Oswald C, et al. **J Exp Zool** 1987 Mar;241(3):343–57

Glucose turnover rate in the lactating rat: effect of feeding a high fat diet. Burnol AF, et al. **J Nutr** 1987 Jul; 117(7):1275–9

Lipoprotein lipase activity in skeletal muscle and brown adipose tissue of pregnant and lactating rats. Champigny O, et al. **J Nutr** 1987 Feb;117(2):349–54

Influence of intestinal microflora on the tryptic activity during lactation in rats. Norin KE, et al. **Lab Anim** 1986 Jul;20(3):234–7

Effects of pregnancy and lactation on lipolysis of ewe adipocytes induced by beta-adrenergic stimulation. Guesnet P, et al. **Mol Cell Endocrinol** 1987 Apr; 50(3):177–81

Effects of large amounts of vitamin D3 injection on plasma vitamin D3 metabolites in lactating cows. Naito Y, et al. **Nippon Juigaku Zasshi** 1987 Feb;49(1):121–7

Metabolism of bovine adipose tissue during lactogenesis and lactation. **Nutr Rev** 1986 Oct;44(10):342–3

Nutritional effects on puberty and lactational infertility in mammals: some interspecies considerations. Loudon A. **Proc Nutr Soc** 1987 Jul;46(2):203–16 (91 ref.)

Serum concentrations of thyroid hormones and extrathyroidal thyroxine-5'-monodeiodinase activity during lactation in the rat. Kahl S, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):144–50

Potential mechanisms for redistribution of polychlorinated biphenyls during pregnancy and lactation. Gallenberg LA, et al. **Xenobiotica** 1987 Mar;17(3):299–310

[Bibliographic review: quantitative variations and metabolism of lipids in adipose tissue and liver during the gestation-lactation cycle. 2: In the ewe and the cow] Chilliard Y. **Reprod Nutr Dev** 1987;27(2A):327–98 (634 ref.) (Eng. Abstr.) **(Fre)**

[Bibliographic review: Quantitative variations and metabolism of lipids in adipose tissue and the liver during the gestation-lactation cycle. 1. In the rat] Chilliard Y. **Reprod Nutr Dev** 1986;26(5A):1057–103 (327 ref.) (Eng. Abstr.) **(Fre)**

[Use of high-fat diets in the feeding of pregnant and lactating sows] Drochner W, et al. **DTW** 1987 Jul–Aug;94(7):424–6 (Eng. Abstr.) **(Ger)**

[Localization of calcium in the secretory cells of the mammary glands in response to oxytocin] Galantsev VP, et al. **Arkh Anat Gistol Embriol** 1987 Jan;92(1):69–74 (Eng. Abstr.) **(Rus)**

[Patterns of redistribution of calcium and magnesium in the tissues of lactating white mice] Kisliakova LP, et al. **Fiziol Zh SSSR** 1986 Nov;72(11):1564–70 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Morphology of thyroid C-cells and parathyroid glands in summer-active little brown bats, Myotis lucifugus lucifugus, with particular reference to pregnancy and lactation. Kwiecinski GG, et al. **Am J Anat** 1987 Apr; 178(4):421–7

Annual skeletal changes in the little brown bat, Myotis lucifugus lucifugus, with particular reference to pregnancy and lactation. Kwiecinski GG, et al. **Am J Anat** 1987 Apr; 178(4):410–20

Increased insulin sensitivity and responsiveness during lactation in rats. Burnol AF, et al. **Am J Physiol** 1986 Nov; 251(5 Pt 1):E537–41

Bone changes due to pregnancy and lactation: influence of vitamin D status. Marie PJ, et al. **Am J Physiol** 1986 Oct; 251(4 Pt 1):E400–6

Experimental infection of lactating bovine mammary glands with Streptococcus uberis in quarters colonized by Corynebacterium bovis. Doane RM, et al. **Am J Vet Res** 1987 May;48(5):749–54

Regulation of food intake during pregnancy and lactation. Rosso P. **Ann NY Acad Sci** 1987;499:191–6 (26 ref.)

Neuroendocrine control of lactation. Canales-Pérez ES. **Arch Invest Med (Mex)** 1985;16 Suppl 3:25–31 **(Eng, Spa)**

Intranuclear dynamics of DNA polymerase alpha differs between the transplanted R3230AC mammary

adenocarcinomas and the host mammary gland depending on lactation cycle. Klinge CM, et al. **Biochim Biophys Acta** 1986 Oct 16;868(1):24–9

Relationships between luteinizing hormone, follicle-stimulating hormone and prolactin secretion and ovarian follicular development in the weaned sow. Foxcroft GR, et al. **Biol Reprod** 1987 Feb;36(1):175–91

The postweaning rise of tonic luteinizing hormone secretion in anestrous cows is not prevented by chronic milking or the physical presence of the calf. Williams GL, et al. **Biol Reprod** 1987 Jun;36(5):1079–84

Changes in bone mineral and bone formation rates during pregnancy and lactation in rats. Miller SC, et al. **Bone** 1986; 7(4):283–7

The effect of lactation on ovulation and fertility. Chao S. **Clin Perinatol** 1987 Mar;14(1):39–50 (62 ref.)

Maternal and nutritional contributions to infant rats' activational responses to ingestion. Bornstein BH, et al. **Dev Psychobiol** 1987 Mar;20(2):147–63

Influence of lactation on morphometric and secretory variables in pancreatic beta-cell of mildly diabetic rats. Marynissen G, et al. **Diabetes** 1987 Aug;36(8):883–91

Evidence for stimulatory noradrenergic and inhibitory dopaminergic regulation of oxytocin release in the lactating rat. Crowley WR, et al. **Endocrinology** 1987 Jul; 121(1):14–20

Control of prolactin release induced by suckling. de Greef WJ, et al. **Endocrinology** 1987 Jul;121(1):316–22

Endogenous opioid peptides inhibit oxytocin release in the lactating rat after dehydration and urethane. Hartman RD, et al. **Endocrinology** 1987 Aug;121(2):536–43

Posterior pituitary lobectomy abolishes the suckling-induced rise in prolactin (PRL): evidence for a PRL-releasing factor in the posterior pituitary. Murai I, et al. **Endocrinology** 1987 Jul;121(1):205–11

Inhibition of lactation and ovarian function: a possible animal experimental model for humans. van Leusden HA, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Aug;8(4):227–9

Dark adaptation in pregnant and lactating Gambian women: feasibility of measurement and relation to vitamin A status. Villard L, et al. **Hum Nutr Clin Nutr** 1986 Sep;40(5):349–57

Sexual behaviour during ovarian cycles, pregnancy and lactation in group-living stumptail macaques (Macaca arctoides). Nieuwenhuijsen K, et al. **Hum Reprod** 1986 Apr; 1(3):159–69

Effect of level of beef cow milk production on pre- and postweaning calf growth. Clutter AC, et al. **J Anim Sci** 1987 May;64(5):1313–22

Composition and yield of milk from beef-type Bos taurus and Bos indicus X Bos taurus dams. Daley DR, et al. **J Anim Sci** 1987 Feb;64(2):373–84

Relationships among udder shape, udder capacity, cow longevity and calf weights. DeNise RS, et al. **J Anim Sci** 1987 Aug;65(2):366–72

Some influences of lactation and hormone treatment on uterine changes in postpartum sheep. Foote WC. **J Anim Sci** 1971;32 Suppl 1:48–54

Effect of suckling upon the secretion and release of prolactin from the pituitary of the lactating rat. Grosvenor CE, et al. **J Anim Sci** 1971;32 Suppl 1:115–36 (121 ref.)

Effect of lactation and rebreeding phase energy intake on primiparous and multiparous sow performance. Johnston LJ, et al. **J Anim Sci** 1986 Sep;63(3):804–14

Effects of suckling, progestogen-impregnated pessaries or hysterectomy on ovarian function in autumn-lambing postpartum ewes. Lewis GS, et al. **J Anim Sci** 1987 Jan; 64(1):216–25

Naloxone-reversible inhibition of luteinizing hormone in postpartum ewes: effects of suckling and season. Malven PV, et al. **J Anim Sci** 1987 Jul;65(1):196–202

Hormonal response to milking. Tucker HA. **J Anim Sci** 1971; 32 Suppl 1:137–44

Effects of long-term thrice-daily milking on mammary enzyme activity, cell population and milk yield in the goat. Wilde CJ, et al. **J Anim Sci** 1987 Feb;64(2):533–9

Effect of temporary food or water deprivation on milk secretion and milk composition in the goat. Dahlborn K. **J Dairy Res** 1987 May;54(2):153–63

Effect on milk production of controlling muscid flies, and reducing fly-avoidance behaviour, by the use of Fenvalerate ear tags during the dry period. Harris JA, et al. **J Dairy Res** 1987 May;54(2):165–71

Pre partum milk fat secretion and concentrations of progestins, prostaglandin F2 alpha and oestrone sulphate in mammary fluid of the goat. Thompson GE, et al. **J Dairy Res** 1987 May;54(2):193–7

Natural protective factors in bovine mammary secretions following different methods of milk cessation. Bushe T, et al. **J Dairy Sci** 1987 Mar;70(3):696–704

Physiological and pathological factors influencing bovine alpha-lactalbumin and beta-lactoglobulin concentrations in milk. Caffin JP, et al. **J Dairy Sci** 1985 May;68(5):1087–94

Genetic parameters of milk yield and composition and their relationships with alternative breeding goals. de Jager D, et al. **J Dairy Sci** 1987 Jun;70(6):1258–66

Genetic parameters for first lactation milk yields at three levels of herd production. De Veer JC, et al. **J Dairy Sci** 1987 Jul;70(7):1434–41

Effect of sire of fetus on subsequent 90-day production of the Holstein dam. Hayes JF, et al. **J Dairy Sci** 1985 May; 68(5):1286–9

Measuring feed intake patterns and meal size of lactating dairy cows. Heinrichs AJ, et al. **J Dairy Sci** 1987 Mar; 70(3):705–11

Effects of mild inbreeding on productive and reproductive performance of Guernsey cattle. Hermas SA, et al. **J Dairy Sci** 1987 Mar;70(3):712–5

Genetic relationships and additive genetic variation of productive and reproductive traits in Guernsey dairy cattle. Hermas SA, et al. **J Dairy Sci** 1987 Jun;70(6):1252–7

Physiological, productive, and economic benefits of shade, spray, and fan system versus shade for Holstein cows during summer heat. Igono MO, et al. **J Dairy Sci** 1987 May;70(5):1069–79

A further look at evidence for cytoplasmic inheritance of production traits in dairy cattle. Kennedy BW. **J Dairy Sci** 1986 Dec;69(12):3100–5

Implication of forage particle length on chewing activities and milk production in dairy goats. Lu CD. **J Dairy Sci** 1987 Jul;70(7):1411–6

Alpha-lactalbumin in bovine serum: relationships with udder development and function. McFadden TB, et al. **J Dairy Sci** 1987 Feb;70(2):259–64

Genetic and phenotypic relationships between lactation cell counts and milk yield and composition of Holstein cows. Monardes HG, et al. **J Dairy Sci** 1985 May;68(5):1250–6

Influence of genetic differences in merit of mates on sire evaluation. Norman HD, et al. **J Dairy Sci** 1987 Jan; 70(1):141–57

Prolactin in bovine milk near the time of calving and its relationship to premature induction of lactogenesis. Pennington JA, et al. **J Dairy Sci** 1985 May;68(5):1116–22

Lack of evidence of cytoplasmic inheritance in milk production traits of dairy cattle. Reed PD, et al. **J Dairy Sci** 1987 Apr;70(4):837–41

Relationship between milkability and adrenoceptor concentrations in teat tissue in primiparous cows. Roets E, et al. **J Dairy Sci** 1986 Dec;69(12):3120–30

Effect of photoperiod on milk yield and milk fat in commercial dairy herds. Stanisiewski EP, et al. **J Dairy Sci** 1985 May;68(5):1134–40

Performance of lactating dairy cows fed tall fescue forage. Strahan SR, et al. **J Dairy Sci** 1987 Jun;70(6):1228–34

Estimation of genetic (co)variances for milk yield in first three lactations using an animal model and restricted maximum likelihood. Swalve H, et al. **J Dairy Sci** 1987 Apr;70(4):842–9

Effects of persistency and production on the genetic parameters of milk and fat yield in Israeli-Holsteins. Weller JI, et al. **J Dairy Sci** 1987 Mar;70(3):672–80

Genetic evaluation of dairy goat does for milk and fat as an extension of buck evaluation. Weller JI, et al. **J Dairy Sci** 1987 Mar;70(3):681–6

Effects of days open on annualized milk yields in current and following lactations. Weller JI, et al. **J Dairy Sci** 1985 May;68(5):1241–9

Regression of redundant lactotrophs in rat pituitary gland after cessation of lactation. Haggi ES, et al. **J Endocrinol** 1986 Dec;111(3):367–73

Mammary resistance: a possible controlling factor in milk ejection. Lau C, et al. **J Endocrinol** 1987 Mar;112(3):379–85

Effects of an antiserum to rat growth hormone on lactation in the rat. Madon RJ, et al. **J Endocrinol** 1986 Oct; 111(1):117–23

Inhibition of casein and fat synthesis and alpha-lactalbumin secretion by progesterone in explants from bovine lactating mammary glands. Shamay A, et al. **J Endocrinol** 1987 Apr; 113(1):81–8

Difference in the response of follicular maturation and ovulation between early and late lactating rats after removal of the litter. Taya K, et al. **J Endocrinol** 1987 May; 113(2):271–6

Effect of dietary protein and food restriction on milk production and composition, maternal tissues and enzymes in lactating rats. Grigor MR, et al. **J Nutr** 1987 Jul; 117(7):1247–58

Effect of dietary restriction during lactation on cardiac output, organ blood flow and organ weights of rats. Sakanashi TM, et al. **J Nutr** 1987 Aug;117(8):1469–74

Paired recordings from supraoptic and paraventricular oxytocin cells in suckled rats: recruitment and synchronization. Belin V, et al. **J Physiol (Lond)** 1986 Aug; 377:369–90

Morphology of the pineal gland in pregnant and nursing sows. Wyrzykowski Z, et al. **J Pineal Res** 1987;4(2):125–34

Compensatory changes in mammary development and function after hemimastectomy in lactating goats. Knight CH. **J Reprod Fertil** 1987 Mar;79(2):343–52

Effects of hyperlipidemia on the nursing ability of WHHL rabbits. Shiomi M, et al. **Lab Anim Sci** 1987 Feb;37(1):84–8

Reproduction in mice: liver enlargement in mice during pregnancy and lactation. Hollister A, et al. **Life Sci** 1987 Jan 5;40(1):11–8

Adequacy of lactation: dysreflexia vs. maternal nutrition. Jelliffe DB. **Med J Malaysia** 1986 Mar;41(1):77–83

Evidence that opioid peptides and dopamine participate in the suckling-induced release of prolactin in the ewe. Knight PG, et al. **Neuroendocrinology** 1986;44(1):29–35

Facilitatory effect of oxytocin on oxytocin cell background activity in the rat is suckling-dependent. Meyer C, et al. **Neurosci Lett** 1987 Mar 20;75(1):80–4

Dye coupling among immunocytochemically identified neurons in the supraoptic nucleus: increased incidence in lactating rats. Hatton GI, et al. **Neuroscience** 1987 Jun; 21(3):923–30

Afferent projections from the mammary glands to the spinal cord in the lactating rat—II. Electrophysiological responses of spinal neurons during stimulation of the nipples, including suckling. Poulain DA, et al. **Neuroscience** 1986 Oct;19(2):511–21

Afferent projections from the mammary glands to the spinal cord in the lactating rat—I. A neuroanatomical study using the transganglionic transport of horseradish peroxidase–wheatgerm agglutinin. Tasker JG, et al. **Neuroscience** 1986 Oct;19(2):495–509

Lactational capacity of marginally nourished mothers: infants' milk nutrient consumption and patterns of growth. Brown KH, et al. **Pediatrics** 1986 Nov;78(5):920–7

Lactational capacity of marginally nourished mothers: relationships between maternal nutritional status and quantity and proximate composition of milk. Brown KH, et al. **Pediatrics** 1986 Nov;78(5):909–19

Alimentary sleep satiety in suckling rats. Lorenz DN. **Physiol Behav** 1986 Oct;38(4):557–62

Lactation in lean and obese rats: effect of cafeteria feeding and of dietary obesity on milk composition. Rolls BA, et al. **Physiol Behav** 1986;38(2):185–90

Self-selection of calcium during pregnancy and lactation in rats. Woodside B, et al. **Physiol Behav** 1987;39(3):291–5

Protein malnutrition of the lactating female rat: effect on maternal behaviour and spontaneous weaning of young rats. Babický A, et al. **Physiol Bohemoslov** 1986; 35(5):456–63

Metabolic adaptations in mouse mammary gland during a normal lactation cycle and in extended lactation. Shipman LJ, et al. **Q J Exp Physiol** 1987 Jul;72(3):303–11

Cow milk yield and composition before development of Escherichia coli mastitis. Jones TO, et al. **Vet Rec** 1986 Sep 27;119(13):319–21

[Development of feeding activities in dairy cows at the start of lactation and relation to the quantities of feed ingested] Coulon JB, et al. **Reprod Nutr Dev** 1987;27(1A):67–75 (Eng. Abstr.) **(Fre)**

[Reproductive performance and milk production of Holstein-Friesian cows in Morocco] Boujenane I, et al. **Rev Elev Med Vet Pays Trop** 1986;39(1):145–9 (Eng. Abstr.) **(Fre)**

[Eating and ruminating behavior of sheep. 2. Experiments in pregnant and lactating ewes fed with a straw-concentrate mixture] Dittrich A, et al. **Arch Tierernahr** 1986 Nov;36(11):1043–52 (Eng. Abstr.) **(Ger)**

[Advances in natural lactation. Mechanisms regulating the start of lactation and sustaining it in transient crises of lacteal secretion. The most frequent causes of early weaning] Muñoz García F. **An Esp Pediatr** 1986 Oct;25 Suppl 26:4–7 **(Spa)**

RADIATION EFFECTS

Absence of lactation in a previously radiated breast [letter] Burns PE. **Int J Radiat Oncol Biol Phys** 1987 Oct; 13(10):1603–4

[Passage of lanthanum through the milk of contaminated female animals into the offspring] Marciniak M, et al. **Rocz Panstw Zaki Hig** 1986;37(6):512–8 **(Pol)**

LACTATION DISORDERS

[Persistent galactorrhea–amenorrhea syndrome] Dedov II, et al. **Probl Endokrinol (Mosk)** 1987 Jan–Feb;33(1):37–42 **(Rus)**

BLOOD

Isolated prolactin deficiency in a woman with puerperal alactogenesis. Kauppila A, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):309–12

[Protein metabolic disorders in patients with suppurative lactation mastitis] Konstantinov VK, et al. **Vestn Khir** 1986 Oct;137(10):53–6 (Eng. Abstr.) **(Rus)**

[Prolactin: a function test with cimetidine] Nucete HJ, et al. **Acta Cient Venez** 1986;37(2):185–7 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Effects of bromocriptine on neuroleptic-induced amenorrhea, galactorrhea and impotence. Matsuoka I, et al. **Jpn J Psychiatry Neurol** 1986 Dec;40(4):639–46

Hyperprolactinaemia and nonpuerperal lactation associated with clomipramine. Fowlie S, et al. **Scott Med J** 1987 Apr; 32(2):52

COMPLICATIONS

Primary amenorrhea associated with hyperprolactinemia: four cases with normal sellar architecture and absence of galactorrhea. Hughes EG, et al. **Fertil Steril** 1987 Jun; 47(6):1031–2

[Vacuum therapy in the treatment of suppurative lactation mastitis] Davydov IuA, et al. **Vestn Khir** 1986 Nov; 137(11):66–70 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Bromocriptine therapy in normoprolactinemic women with unexplained infertility and galactorrhea. DeVane GW, et al. **Fertil Steril** 1986 Dec;46(6):1026–31

[Results of the GnRH–TRH and arginine–GnRH–TRH test in females with hyperprolactinemic galactorrhea] Rudolf K, et al. **Zentralbl Gynakol** 1987;109(8):501–9 (Eng. Abstr.) **(Ger)**

[GnRH–TRH and arg–GnRH–TRH test in females with normoprolactinemic galactorrhea] Rudolf K, et al. **Zentralbl Gynakol** 1987;109(8):510–6 (Eng. Abstr.) **(Ger)**

[Diagnostic value of pharmacological tests and roentgenoradiological methods in the diagnosis of various forms of hyperprolactinemic hypogonadism] Langner TK, et al. **Akush Ginekol (Mosk)** 1986 Jul;(7):29–32 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Psychiatric side effects of bromocriptine therapy for postpartum galactorrhoea. Kemperman CJ, et al. **J R Soc Med** 1987 Jun;80(6):387–8

[Parlodel in lactation mastitis] Dolzhikov AL, et al. **Sov Med** 1986;(8):115–6 **(Rus)**

ETIOLOGY

Galactorrhea, gynecomastia, and hypothyroidism in a man [letter] Arnaout MA, et al. **Ann Intern Med** 1987 May; 106(5):779–80

Primary hypothyroidism presenting as amenorrhoea and galactorrhoea with hyperprolactinaemia and pituitary enlargement [letter] Christopoulos C. **Br Med J [Clin Res]** 1986 Sep 6;293(6547):624–5

Galactorrhoea–amenorrhoea in a patient with adrenocortical carcinoma. Zargar AH, et al. **J Assoc Physicians India** 1986 Sep;34(9):665–7

Syndrome of galactorrhea, amenorrhea, and obesity as possible indicators of prolactinoma: a case study approach. Shaw B, et al. **J Natl Med Assoc** 1986 Dec;78(12):1197–200

Post–traumatic diabetes insipidus and amenorrhea–galactorrhea syndrome after pituitary stalk rupture. Massol J, et al. **Neuroradiology** 1987;29(3):299–300

Stress–induced cessation of lactation. Ruvalcaba RH. **West J Med** 1987 Feb;146(2):228–30

[Malignant neoplasm of the pituitary gland as a cause of the amenorrhea–galactorrhea syndrome] Zarzycki W, et al. **Wiad Lek** 1987 Feb 1;40(3):205–7 (Eng. Abstr.) **(Pol)**

[Galactorrhea after biliary surgery] Faintuch J, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Sep–Oct; 41(5):225–7 (Eng. Abstr.) **(Por)**

[Amenorrhea–galactorrhea and primary brain lymphoma] Moral A, et al. **Med Clin (Barc)** 1987 Feb 14;88(6):243–6 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

[Electrical impulse currents as a means of preventing delayed lactation mastitis] Karimov ZD, et al. **Akush Ginekol (Mosk)** 1986 Aug;(8):33–5 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Psychological state in primary idiopathic galactorrhea. Megido D, et al. **J Fam Pract** 1987 Jun;24(6):634–5, 638

[Psychogenic galactorrhea (Nunes syndrome] Cepický P, et al. **Cesk Gynekol** 1987 Mar;52(2):132–3 **(Cze)**

RADIOGRAPHY

[Radiographic aspects of galactoceles] Cassier C, et al. **J Radiol** 1986 Nov;67(11):803–6 (Eng. Abstr.) **(Fre)**

[Xeroductogalactography. Case reports] Bultrini M, et al. **Radiol Med (Torino)** 1987 Jan–Feb;73(1–2):68–70 (Eng. Abstr.) **(Ita)**

SURGERY

Subcutaneous mastectomy as ultimate treatment of galactorrhea. Meuwissen JH, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Apr;9(2):115–6

[Health status of women having undergone surgical treatment in acute suppurative lactation mastitis] Storozhuk VT, et al. **Akush Ginekol (Mosk)** 1986 Aug;(8):58–9 **(Rus)**

VETERINARY

Laminitis and decreased milk production in first–lactation cows improperly fed a dairy ration. Moser EA, et al. **J Am Vet Med Assoc** 1987 Jun 15;190(12):1575–6

[Microbial etiology of the MMA syndrome (mastitis–metritis–agalactia) in swine raised commercially] Korudzhilski N, et al. **Vet Med Nauki** 1987;24(5):11–5 (Eng. Abstr.) **(Bul)**

LACTATION, PROLONGED see under **LACTATION**

LACTIC ACIDOSIS see **ACIDOSIS, LACTIC**

LACTIC CYTOCHROME REDUCTASE see **LACTATE DEHYDROGENASE**

LACTIC DEHYDROGENASE VIRUS see **LACTATE DEHYDROGENASE VIRUS**

LACTOBACILLUS

Microbiological assay for vitamin B12 with use of a colistin–sulfate–resistant organism. Kelleher BP, et al. **Clin Chem** 1987 Jan;33(1):52–4

Immunotherapeutic effect of lactobacillus vaccine, SolcoTrichovac [letter] Bossart W, et al. **Genitourin Med** 1986 Dec;62(6):404–5

Influence of milk ultrafiltration on bacteriophages of lactic acid bacteria. Mistry VV, et al. **J Dairy Sci** 1986 Oct; 69(10):2577–82

Production performance of White Leghorn layers fed lactobacillus fermentation products. Goodling AC, et al. **Poult Sci** 1987 Mar;66(3):480–6

[Immunopotentiating activity of lactic bacteria administered by oral route. Favorable effect in infantile diarrheas] Perdigon G, et al. **Medicina (B Aires)** 1986;46(6):751–4 **(Spa)**

ANALYSIS

Nucleic acids of species of Lactobacillus. Sriranganathan N, et al. **J Dairy Sci** 1985 May;68(5):1077–86

[3–year results of the WHO xylitol caries–prevention program in Hungarian homes for children. IV. Microbiological studies: changes in salivary Lactobacillus and Candida albicans counts] Gábris K, et al. **Fogorv Sz** 1987 Mar;80(3):71–6 (Eng. Abstr.) **(Hun)**

[Mass–spectrometric determination of the structure of glycopeptides from the bacterial cell wall (illustrated by Lactobacillus bulgaricus)] Reshetova OS, et al. **Bioorg Khim** 1986 Dec;12(12):1625–36 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Fast and slow milk–coagulating variants of Lactobacillus helveticus HLM 1. Morelli L, et al. **Can J Microbiol** 1986 Sep;32(9):758–60

Conventional taxonomy of lactobacilli surviving radurization of meat. Hastings JW, et al. **J Appl Bacteriol** 1987 Mar; 62(3):209–16

ENZYMOLOGY

2'–Deoxy–2'–halonucleotides as alternate substrates and mechanism–based inactivators of Lactobacillus leichmannii ribonucleotide reductase. Harris G, et al. **Biochemistry** 1987 Apr 7;26(7):1895–902

Carbamate kinase of Lactobacillus buchneri NCDO110. II. Kinetic studies and reaction mechanism. Manca de Nadra MC, et al. **Biotechnol Appl Biochem** 1987 Apr;9(2):141–5

Carbamate kinase of Lactobacillus buchneri NCDO110. I. Purification and properties. Manca de Nadra MC, et al. **Biotechnol Appl Biochem** 1986 Feb;8(1):46–52

D–(+)–lactate dehydrogenase from Lactobacillus murinus. Strasser de Saad AM, et al. **Biotechnol Appl Biochem** 1986 Oct;8(5):370–4

Effect of cultivation conditions on proteinase production by Lactobacillus murinus. Strasser de Saad AM, et al. **Folia Microbiol (Praha)** 1987;32(1):85–8

Peptidases of Lactobacillus casei and L. plantarum. Abo–Elnaga IG, et al. **J Basic Microbiol** 1987;27(3):123–30

Purification and characterization of X–prolyl–dipeptidyl–aminopeptidase from Lactobacillus lactis and from Streptococcus thermophilus. Meyer J, et al. **J Dairy Sci** 1987 Apr;70(4):738–45

Proteolytic activity of crude cell–free extract of Lactobacillus casei and Lactobacillus plantarum. Hegazi FZ, et al. **Nahrung** 1987;31(3):225–32

[Lactic acid bacteria—irreplaceable components in the nutrition of the newborn child] Fedotov PV. **Pediatriia** 1986 Oct;(10):16–9 (Eng. Abstr.) **(Rus)**

GENETICS

Conjugal plasmid transfer (pAM beta 1) in Lactobacillus plantarum. Shrago AW, et al. **Appl Environ Microbiol** 1986 Sep;52(3):574–6

Characterization and DNA homology of Lactobacillus strains isolated from pig intestine. Axelsson L, et al. **J Appl Bacteriol** 1987 May;62(5):433–40

Cloning and nucleotide sequence of wild type and a mutant histidine decarboxylase from Lactobacillus 30a. Vanderslice P, et al. **J Biol Chem** 1986 Nov 15; 261(32):15186–91

Lactobacillus protoplast transformation. Morelli L, et al. **Plasmid** 1987 Jan;17(1):73–5

[Genome size, nucleotide composition and DNA homology of lactobacilli] Levanova GF, et al. **Mol Gen Mikrobiol Virusol** 1986 Jul;(7):26–9 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Influence of mastitis on growth of starter organisms used for the manufacture of fermented milks. Okello–Uma I, et al. **J Dairy Res** 1986 Nov;53(4):631–7

Improved media for differentiation of rods and cocci in yogurt. Matalon ME, et al. **J Dairy Sci** 1986 Oct; 69(10):2569–76

Influence of temperature on associative growth of Streptococcus thermophilus and Lactobacillus bulgaricus. Radke–Mitchell LC, et al. **J Dairy Sci** 1986 Oct; 69(10):2558–68

Specific nutritional requirements of Lactobacilli spp. from meat. Montel MC, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Dec; 183(1):23–7

IMMUNOLOGY

The ability to sensitize host cells for destruction by autologous complement is a general property of lipoteichoic acid. Weinreb BD, et al. **Infect Immun** 1986 Nov;54(2):494–9

[Enhancement of the phagocytic activity of cells of the mononuclear phagocytosing system by the peroral administration of lactobacilli] Zaĭtseva LG, et al. **Antibiot Med Biotekhnol** 1986 Sep;31(9):691–4 (Eng. Abstr.) **(Rus)**

[Standardization of the direct hemagglutination reaction induced by bacteria of the genus Lactobacillus] Bershadskaia ED, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Aug;(8):69–72 (Eng. Abstr.) **(Rus)**

[Characteristics of blastolysin preparations in their ability to inhibit hemagglutination caused by bacteria of the genus Lactobacillus] Bershadskaia ED, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):32–5 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Vaginal lactobacilli inhibiting growth of Gardnerella vaginalis, Mobiluncus and other bacterial species cultured from vaginal content of women with bacterial vaginosis. Skarin A, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Dec; 94(6):399–403

Streptococcus mutans and lactobacilli frequency in orthodontic patients; the effect of chlorhexidine treatments. Lundström F, et al. **Eur J Orthod** 1987 May;9(2):109–16

Lactobacillus endocarditis [letter] Peat B, et al. **NZ Med J** 1986 Nov 12;99(813):862

Microflora of the bursa of Fabricius of chickens. Kimura N, et al. **Poult Sci** 1986 Sep;65(9):1801–7

Proportions of Streptococcus mutans, lactobacilli and Actinomyces spp in root surface plaque. Fure S, et al. **Scand J Dent Res** 1987 Apr;95(2):119–23

Caries status and microbial conditions in children in 1973 and 1984. Klock B, et al. **Scand J Dent Res** 1987 Feb; 95(1):13–7

Erupting third molars and salivary lactobacilli and Streptococcus mutans counts. Meurman JH, et al. **Scand J Dent Res** 1987 Feb;95(1):32–6

Lactobacilli and Streptococcus mutans in saliva, diet and caries increment in 8– and 13–year–old children. Stecksén–Blicks C. **Scand J Dent Res** 1987 Feb;95(1):18–26

Lysozyme activity and L(+)–lactic acid production in saliva in schoolchildren with high Lactobacillus counts. Twetman S, et al. **Scand J Dent Res** 1987 Apr;95(2):128–31

Can the presence of erupting or exfoliating teeth increase the salivary lactobacillus count? Wikner S, et al. **Scand J Dent Res** 1987 Apr;95(2):124–7

Frequency of low values of stimulated saliva flow rate, Dentobuff and Dentocult in routine use. Barenthin I, et al. **Swed Dent J** 1986;10(5):207–12

[Bacteriological study of preparations of multi–drug resistant, lactic acid bacteria—viable cell numbers, drug–resistance and stability of the organisms] Arita M, et al. **Kansenshogaku Zasshi** 1986 Mar;60(3):239–43 (Eng. Abstr.) **(Jpn)**

[Vaginal biocenosis in advanced pregnancy, gestosis and prolonged pregnancy] Lotocki W, et al. **Ginekol Pol** 1986 Sep;57(9):600–4 (Eng. Abstr.) **(Pol)**

METABOLISM

Preterm labor: stimulation of arachidonic acid metabolism in human amnion cells by bacterial products. Bennett PR, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):649–55

Antimicrobial substance from a human Lactobacillus strain. Silva M, et al. **Antimicrob Agents Chemother** 1987 Aug; 31(8):1231–3

Isolation from swine feces of a bacterium which decarboxylates p–hydroxyphenylacetic acid to 4–methylphenol (p–cresol). Ward LA, et al. **Appl Environ Microbiol** 1987 Jan;53(1):189–92

Lactobacilli as effectors of host functions: no influence on the activities of enzymes in enterocytes of mice. Whitt DD, et al. **Appl Environ Microbiol** 1987 Feb;53(2):325–30

Folate transport in Lactobacillus salivarius. Characterization of the transport mechanism and purification and properties of the binding component. Kumar HP, et al. **J Biol Chem** 1987 May 25;262(15):7171–9

Influences of cellular components and redox potential of liquid concentrated culture of Lactobacillus bulgaricus on acid–producing activity and viability. Kaneko T, et al. **J Dairy Sci** 1987 Jun;70(6):1128–33

Transmembrane cation movements during infection of Lactobacillus lactis by bacteriophage LL–H. Alatossava T, et al. **J Gen Virol** 1987 Jun;68 (Pt 6):1525–32

PHYSIOLOGY

Surface properties of lactobacilli isolated from the small intestine of pigs. Wadström T, et al. **J Appl Bacteriol** 1987 Jun;62(6):513–20

Survival of lactic acid bacteria in the human stomach and adhesion to intestinal cells. Conway PL, et al. **J Dairy Sci** 1987 Jan;70(1):1–12

Examination of strains of lactobacilli for properties that may influence bacterial interference in the urinary tract. Reid

G, et al. **J Urol** 1987 Aug;138(2):330–5
[Lactobacillus flora and colonization resistance] Lentsner AA, et al. **Antibiot Med Biotekhnol** 1987 Mar;32(3):173–9 (69 ref.) (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Radiation resistance of lactobacilli isolated from radurized meat relative to growth and environment. Hastings JW, et al. **Appl Environ Microbiol** 1986 Oct;52(4):898–901

ULTRASTRUCTURE

Crystalline inclusion of Lactobacillus plantarum protoplast. Tomochika K, et al. **Microbiol Immunol** 1986;30(9):909–13

LACTOBACILLUS ACIDOPHILUS

Poultry offal ensiled with lactobacillus acidophilus for growing and finishing swine diets. Tibbetts GW, et al. **J Anim Sci** 1987 Jan;64(1):182–90
Treatment of canine colitis [letter] Culpin PA. **Vet Rec** 1986 Sep 20;119(12):311–2
[Effect of the administration of killed Lactobacillus acidophilus on the survival of suckling mice infected with a strain of enterotoxigenic Escherichia coli] Fourniat J, et al. **Ann Rech Vet** 1986;17(4):401–7 (Eng. Abstr.) **(Fre)**
[Intravaginal lyophilized Lactobacilli in the therapy of nonspecific fluor vaginalis] Gerstner GJ, et al. **Gynakol Rundsch** 1987;27(2):71–8 (Eng. Abstr.) **(Ger)**

GENETICS

Characterization and DNA homology of Lactobacillus strains isolated from pig intestine. Axelsson L, et al. **J Appl Bacteriol** 1987 May;62(5):433–40
Genetic transformation of rifampicin resistance in Lactobacillus acidophilus. Lin JH, et al. **J Gen Microbiol** 1986 Aug;132 (Pt 8):2107–11
Sequence and functional analysis of a divergent promoter from a cryptic plasmid of Lactobacillus acidophilus 168 S. Damiani G, et al. **Plasmid** 1987 Jan;17(1):69–72

IMMUNOLOGY

Enhancement of immune response in mice fed with Streptococcus thermophilus and Lactobacillus acidophilus. Perdigon G, et al. **J Dairy Sci** 1987 May;70(5):919–26
[Treatment of women with trichomonal and bacterial colpitis with the Solco Trichovac vaccine] Milchev N, et al. **Akush Ginekol (Sofiia)** 1987;26(2):42–6 (Eng. Abstr.) **(Bul)**

PHYSIOLOGY

Lack of effect of Lactobacillus on gastrointestinal bacterial colonization in premature infants. Reuman PD, et al. **Pediatr Infect Dis** 1986 Nov–Dec;5(6):663–8

LACTOBACILLUS CASEI

ANALYSIS

Antibody for detection and quantitation of membrane–associated folate–binding protein from Lactobacillus casei. Pope LE, et al. **Anal Biochem** 1987 Mar;161(2):533–42

ENZYMOLOGY

Some peculiarities of functioning of H+–ATPase from the membranes of the anaerobic bacterium Lactobacillus casei. Mileykovskaya EI, et al. **Eur J Biochem** 1987 Sep 1; 167(2):367–70
Purification and characterization of ribitol–5–phosphate and xylitol–5–phosphate dehydrogenases from strains of Lactobacillus casei. Hausman SZ, et al. **J Bacteriol** 1987 Apr;169(4):1651–5
Peptidases of Lactobacillus casei and L. plantarum. Abo–Elnaga IG, et al. **J Basic Microbiol** 1987;27(3):123–30
Crystallization and crystallographic data for new forms of thymidylate synthase from Lactobacillus casei. Tykarska E, et al. **J Mol Biol** 1986 Sep 5;191(1):147–50
Proteolytic activity of crude cell–free extract of Lactobacillus casei and Lactobacillus plantarum. Hegazi FZ, et al. **Nahrung** 1987;31(3):225–32

IMMUNOLOGY

In vitro and in vivo release of cytostatic factors from Lactobacillus casei–elicited peritoneal macrophages after stimulation with tumor cells and immunostimulants. Hashimoto S, et al. **Cancer Immunol Immunother** 1987; 24(1):1–7
Antimetastatic effect of Lactobacillus casei YIT9018 (LC 9018) on a highly metastatic variant of B16 melanoma in C57BL/6J mice. Matsuzaki T, et al. **Cancer Immunol Immunother** 1987;24(2):99–105
Effects of Lactobacillus casei on hematology and blood chemistry in normal and burned mice. Horikawa Y, et al. **Hiroshima J Med Sci** 1986 Jun;35(2):183–9
Role of colony–stimulating activity in antitumor activity of Lactobacillus casei in mice. Shimizu T, et al. **J Leukocyte Biol** 1987 Sep;42(3):204–12
The role of humoral immunity in Lactobacillus casei cell wall induced arthritis. Lehman TJ, et al. **J Rheumatol** 1987 Jun;14(3):415–9

METABOLISM

Assembly of D–alanyl–lipoteichoic acid in Lactobacillus casei: mutants deficient in the D–alanyl ester content of this amphiphile. Ntamere AS, et al. **J Bacteriol** 1987 Apr; 169(4):1702–11
[Phosphoenolpyruvate:sugar phosphotransferase systems in a strain of Lactobacillus casei subsp. casei] Nagasaki H, et al. **Nippon Saikingaku Zasshi** 1986 Jul;41(4):709–16 (Eng. Abstr.) **(Jpn)**

PATHOGENICITY

Clinical manifestations and therapy of Lactobacillus endocarditis: report of a case and review of the literature. Sussman JI, et al. **Rev Infect Dis** 1986 Sep–Oct;8(5):771–6 (35 ref.)

LACTOFERRIN see under **LACTOGLOBULINS**

LACTOGEN HORMONE, PLACENTAL see **PLACENTAL LACTOGEN**

LACTOGENIC HORMONE, PITUITARY see **PROLACTIN**

LACTOGLOBULINS

Pig beta–lactoglobulin I (Sus scrofa domestica, Artiodactyla). The primary structure of the major component. Conti A, et al. **Biol Chem Hoppe Seyler** 1986 Sep;367(9):871–8
Rapid formation of secondary structure framework in protein folding studied by stopped–flow circular dichroism. Kuwajima K, et al. **FEBS Lett** 1987 Aug 31;221(1):115–8
Preliminary crystallographic studies on bovine lactoferrin. Norris GE, et al. **J Mol Biol** 1986 Sep 5;191(1):143–5
Amino–acid sequence similarities [letter] Bell SC, et al. **Nature** 1987 Sep 24–30;329(6137):296
The structure of beta–lactoglobulin and its similarity to plasma retinol–binding protein. Papiz MZ, et al. **Nature** 1986 Nov 27–Dec 3;324(6095):383–5
Protein structure. One fold among many [news] Sawyer L. **Nature** 1987 Jun 25–Jul 1;327(6124):659
Structure of human lactoferrin at 3.2–A resolution. Anderson BF, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1769–73

ADMINISTRATION & DOSAGE

Antigenic stimulation with proteins of cow's milk via the oral route in guinea pigs and rats. 1. Measurement of antigenically intact beta–lactoglobulin and casein in the gastrointestinal contents of duodenum, jejunum and ileum. Koritz TN, et al. **Int Arch Allergy Appl Immunol** 1987; 82(1):72–5
[Possibility of fortifying milk nutrient mixtures for children with lactoglobulin against E. coli and Proteus] Zlatnik EIu. **Vopr Pitan** 1986 Sep–Oct;(5):22–5 (Eng. Abstr.) **(Rus)**

ANALYSIS

Bovine beta–lactoglobulin in the human milk. A longitudinal study during the whole lactation period. Axelsson I, et al. **Acta Paediatr Scand** 1986 Sep;75(5):702–7
The nutritional role of breast–milk IgA and lactoferrin. Prentice A, et al. **Acta Paediatr Scand** 1987 Jul;76(4):592–8
Homogeneous immunochemical technique for determination of human lactoferrin using excitation transfer and phase–resolved fluorometry. Nithipatikom K, et al. **Anal Chem** 1987 Feb 1;59(3):423–7
The lactoferrin test for the diagnosis of keratoconjunctivitis sicca in clinical practice. Boersma HG, et al. **Ann Ophthalmol** 1987 Apr;19(4):152–4
beta–Lactoglobulin identified in marsupial milk. The primary structure, binding site and possible function of beta–lactoglobulin from eastern grey kangaroo (Macropus giganteus). Godovac–Zimmermann J, et al. **Biol Chem Hoppe Seyler** 1987 Jul;368(7):879–86
Amino acid sequence homology between human placental protein 14 and beta–lactoglobulins from various species. Huhtala ML, et al. **Endocrinology** 1987 Jun;120(6):2620–2
Sequence from picomole quantities of proteins electroblotted onto polyvinylidene difluoride membranes. Matsudaira P. **J Biol Chem** 1987 Jul 25;262(21):10035–8
Physiological and pathological factors influencing bovine alpha–lactalbumin and beta–lactoglobulin concentrations in milk. Caffin JP, et al. **J Dairy Sci** 1985 May;68(5):1087–94
[Effect of reserpine on the lactose, iron and lactoferrin content of the milk of lactating rabbits] Mutafchiev D. **Eksp Med Morfol** 1987;26(2):35–9 (Eng. Abstr.) **(Bul)**
[Immunohistochemistry of alpha–lactalbumin, lactoferrin and trans– ferrin receptor in invasive breast carcinomas with regard to tumor grading, estrogen receptor status and tumor staging] Wrba F, et al. **Verh Dtsch Ges Pathol** 1986; 70:247–50 (Eng. Abstr.) **(Ger)**
[Clinical significance of lysozyme and lactoferrin in chronic bronchitis patients] Dvoretskiĭ LI, et al. **Klin Med (Mosk)** 1987 Mar;65(3):79–82 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Lactoferrin derived from neutrophils inhibits the mixed lymphocyte reaction. Slater K, et al. **Blood** 1987 May; 69(5):1328–33

BLOOD

Diminished release of lactoferrin from polymorphonuclear leukocytes of human neonates. Gahr M, et al. **Acta Haematol (Basel)** 1987;77(2):90–4
Plasma lactoferrin levels in leukaemias. Német K, et al. **Clin Lab Haematol** 1987;9(2):137–45
Diagnostic and prognostic significance of serum measurements of lactoferrin, lysozyme and myeloperoxidase in acute myeloid leukemia (AML): recognition of a new variant, high–lactoferrin AML. Oberg G, et al. **Eur J Haematol** 1987 Feb;38(2):148–55
Myeloid regeneration after bone–marrow transplantation monitored by serum measurements of myeloperoxidase, lysozyme and lactoferrin. Oberg G, et al. **Eur J Haematol** 1987 Apr;38(4):356–62
The non–immune inflammatory response: serial changes in plasma iron, iron–binding capacity, lactoferrin, ferritin and C–reactive protein. Baynes R, et al. **Scand J Clin Lab Invest** 1986 Nov;46(7):695–704
Plasma lactoferrin content: differential effect of steroid administration and infective illnesses: lack of effect of ambient temperature at which specimens are collected. Baynes RD, et al. **Scand J Haematol** 1986 Oct;37(4):353–9
Bone–marrow regeneration after therapy–induced hypoplasia monitored by serum measurements of lactoferrin, lysozyme and myeloperoxidase. Oberg G, et al. **Scand J Haematol** 1986 Aug;37(2):130–6

CEREBROSPINAL FLUID

Beta 2–microglobulin, lysozyme and lactoferrin in cerebrospinal fluid in patients with lymphoma or leukaemia: relationship to CNS involvement and the effect of prophylactic intrathecal treatment with methotrexate. Oberg G, et al. **Br J Haematol** 1987 Jul;66(3):315–22

DIAGNOSTIC USE

Studies on internalization and intracellular localization of membrane DNA in mouse peritoneal macrophages, by means of lactoferrin–gold complex. Sudár F, et al. **Acta Histochem (Jena)** 1986;80(1):13–8

GENETICS

Ovine beta–lactoglobulin messenger RNA: nucleotide sequence and mRNA levels during functional differentiation of the mammary gland. Gaye P, et al. **Biochimie** 1986 Sep;68(9):1097–107
Alteration of the quality of milk by expression of sheep beta–lactoglobulin in transgenic mice. Simons JP, et al. **Nature** 1987 Aug 6–12;328(6130):530–2

IMMUNOLOGY

Affinity purified immunoglobulin G transfers immediate hypersensitivity to guinea pig colonic epithelium in vitro. Baird AW, et al. **Gastroenterology** 1987 Mar;92(3):635–42
Antigenic stimulation with proteins of cow's milk via the oral route in guinea pigs and rats. 2. Antibodies to beta–lactoglobulin secreted into the alimentary canal and serum. Suzuki S, et al. **Int Arch Allergy Appl Immunol** 1987; 82(1):76–82
Cow milk protein antigens and antibodies in serum of premature infants during the first 10 days of life. Müller G, et al. **J Pediatr** 1986 Nov;109(5):869–73
[Stimulation of expression of IgM and IgG receptors on human thymus lymphocytes after treatment with lactoferrin in vitro] Gnezditskaia EV, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):447–9 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

The purification of lactoferrin from human whey by batch extraction. Foley AA, et al. **Anal Biochem** 1987 Apr; 162(1):296–300
One–step isolation of lactoferrin using immobilized monoclonal antibodies. Kawakami H, et al. **J Dairy Sci** 1987 Apr;70(4):752–9
[Human lactoferrin: isolation of highly purified preparations from human milk, various physico–chemical properties and distribution in normal and tumor tissues] Iakubovskaia RI, et al. **Vopr Med Khim** 1986 Nov–Dec;32(6):75–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Luminal digestion of lactoferrin in suckling and weanling rats. Britton JR, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):G397–403
Interleukin 1–induced depression of iron and zinc: role of granulocytes and lactoferrin. Goldblum SE, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):E27–32
Evidence for interactions between the 30 kDa N– and 50 kDa C–terminal tryptic fragments of human lactotransferrin. Legrand D, et al. **Biochem J** 1986 Jun 15; 236(3):839–44
Lactoferrin binding by leukemia cell lines. Yamada Y, et al. **Blood** 1987 Jul;70(1):264–70
Lactoferrin uptake and iron processing into macrophages: a study in familial haemochromatosis. Moguilevsky N, et

al. **Br J Haematol** 1987 May;66(1):129–36
The relationship of lactoferrin to the anemia of renal cell carcinoma. Loughlin KR, et al. **Cancer** 1987 Feb 1; 59(3):566–71
Immunocytochemical localization of lactoferrin in human neutrophils. An ultrastructural and morphometrical study. Miyauchi J, et al. **Cell Tissue Res** 1987 Feb;247(2):249–58
Tear lactoferrin levels in patients with external inflammatory ocular disease. Ballow M, et al.
Invest Ophthalmol Vis Sci 1987 Mar;28(3):543–5
Binding of p-nitrophenyl phosphate and other aromatic compounds by beta-lactoglobulin. Farrell HM Jr, et al. **J Dairy Sci** 1987 Feb;70(2):252–8
Characterization of lactoferrin interaction with Streptococcus mutans. Lassiter MO, et al. **J Dent Res** 1987 Feb;66(2):480–5
Effect of aerosolized Escherichia coli and Staphylococcus aureus on iron and iron-binding proteins in lung lavage fluid. LaForce FM, et al. **J Infect Dis** 1986 Dec; 154(6):959–65
Neutrophil function in localized juvenile periodontitis. Phagocytosis, superoxide production and specific granule release. Van Dyke TE, et al. **J Periodontol** 1986 Nov; 57(11):703–8
Duodenal output and concentration of lactoferrin in chronic pancreatitis: correlation to amylase secretion and duct morphology. Hegnhøj J, et al.
Scand J Gastroenterol [Suppl] 1986;126:60–4
[Value and prognostic significance of alpha-lactalbumin (ALA), lactoferrin (Lfr) and HMFG-2 in primary breast cancers. An immunohistochemical study] Wrba F, et al. **Pathologe** 1987 Jan;8(1):25–30 **(Ger)**

PHARMACODYNAMICS

Inhibition of histamine release in vitro by a blocking factor from human serum: comparison with the iron binding proteins transferrin and lactoferrin. Theobald K, et al. **Agents Actions** 1987 Feb;20(1–2):10–6
In vivo action of lactoferrin [letter] Gentile P, et al. **Am J Hematol** 1987 Apr;24(4):457–60
Plasmodium falciparum: inhibition in vitro with lactoferrin, desferriferrithiocin, and desferricrocin. Fritsch G, et al. **Exp Parasitol** 1987 Feb;63(1):1–9
Effect of the progesterone-inducible proteins human lactoferrin and chicken avidin on lymphocyte proliferation. Ashorn RG, et al. **Hum Reprod** 1986 Apr;1(3):149–51
The effects in vivo of purified preparations of murine macrophage colony stimulating factor-1, recombinant murine granulocyte-macrophage colony stimulating factor and natural and recombinant murine interleukin 3 without and with pretreatment of mice with purified iron-saturated human lactoferrin. Broxmeyer HE, et al. **Immunobiology** 1986 Sep;172(3–5):168–74
The effect of lactoferrin on complement mediated modulation of immune complex size. Kulics J, et al. **Immunol Lett** 1987 Apr;14(4):349–53
Lactoferrin effects of phagocytic cell function. II. The presence of iron is required for the lactoferrin molecule to stimulate intracellular killing by macrophages but not to enhance the uptake of particles and microorganisms. Lima MF, et al. **J Immunol** 1987 Sep 1;139(5):1647–51
Lactoferrin inhibits prostaglandin E2 secretion by breast milk macrophages. Bartal I, et al. **Pediatr Res** 1987 Jan; 21(1):54–7
Human lactoferrin stimulates thymidine incorporation into DNA of rat crypt cells. Nichols BL, et al. **Pediatr Res** 1987 Jun;21(6):563–7

PHYSIOLOGY

Bacteriostatic activity of bovine lactoferrin in mastitic milk. Rainard P. **Vet Microbiol** 1987 Feb;13(2):159–66

RADIATION EFFECTS

Oxidative radioiodination damage to human lactoferrin. Rosenmund A, et al. **Biochem J** 1986 Nov 15;240(1):239–45

SECRETION

Normal distribution of lysozyme- and lactoferrin-secreting cells in the chinchilla tubotympanum. Hanamure Y, et al. **Am J Otolaryngol** 1986 Nov–Dec;7(6):410–25
Release of lactoferrin by polymorphonuclear leukocytes after aerosol challenge with Escherichia coli. LaForce FM, et al. **Infect Immun** 1987 Sep;55(9):2293–5
Lactotransferrin is the major estrogen inducible protein of mouse uterine secretions. Pentecost BT, et al.
J Biol Chem 1987 Jul 25;262(21):10134–9

THERAPEUTIC USE

Effects of purified iron-saturated human lactoferrin on spleen morphology in mice infected with Friend virus complex. Chen LT, et al. **Am J Pathol** 1987 Feb;126(2):285–92
Protective influence of lactoferrin on mice infected with the polycythemia-inducing strain of Friend virus complex. Lu L, et al. **Cancer Res** 1987 Aug 1;47(15):4184–8

LACTONES

[Histochemical study on rat brain during Coriaria lactone-induced epilepsy] Fang YX, et al.
Hua Hsi I Ko Ta Hsueh Hsueh Pao 1987 Jun;18(2):107–10 (Eng. Abstr.) **(Chi)**
[An epileptic model of the acute motor pattern induced by Coriaria lactone in rats] Liao DY, et al.
Hua Hsi I Ko Ta Hsueh Hsueh Pao 1987 Jun;18(2):97–100 (Eng. Abstr.) **(Chi)**
[An epileptic model of the partial somatomotor status epilepticus induced by Coriaria lactone in rats] Liao DY, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun; 18(2):101–3 (Eng. Abstr.) **(Chi)**
[An epileptic model of the generalized convulsion type of kindling induced by Coriaria lactone in rats] Wu LF, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun;18(2):104–6 (Eng. Abstr.) **(Chi)**

ADMINISTRATION & DOSAGE

[Chemical kindling induced by microinjection of Coriaria lactone into hippocampus in rabbits] Chen QX, et al.
Hua Hsi I Ko Ta Hsueh Hsueh Pao 1987 Jun;18(2):111–4 (Eng. Abstr.) **(Chi)**

ADVERSE EFFECTS

Molecular recognition patterns of sesquiterpene lactones in costus-sensitive patients. Benezra C, et al.
Contact Dermatitis 1986 Oct;15(4):223–30
Clinical application of milbemycin D as a prophylactic agent against Dirofilaria immitis infection in dogs: clinical findings in dogs with shock-like reaction. Sasaki Y, et al. **Nippon Juigaku Zasshi** 1986 Dec;48(6):1207–14
Clinical application of milbemycin D as a prophylactic agent against Dirofilaria immitis infection in dogs: sensitivity for the drug in rough-coated collies. Sasaki Y, et al.
Nippon Juigaku Zasshi 1986 Dec;48(6):1253–6

ANALYSIS

The development of an ELISA-assay for semi-quantitative detection of dihydrogriesenin, a sesquiterpene lactone from Geigeria. Verschoor JA, et al. **Onderstepoort J Vet Res** 1987 Mar;54(1):1–4

CHEMICAL SYNTHESIS

Antitumor agents. 86. Synthesis and cytotoxicity of alpha-methylene-gamma-lactone-bearing purines. Lee KH, et al. **J Med Chem** 1987 Mar;30(3):586–8
Double-headed haptens with pyrocatechol (poison ivy like) and methylene lactone functional groups: a search for skin-tolerance inducers. Mattes H, et al. **J Med Chem** 1987 Jan;30(1):165–8
Derivatives of 3-hydroxy acids: 4-oxo-1,3-dioxanes and 2-oxetanones. Batandier C, et al. **Pharmazie** 1986 Sep; 41(9):632–4

IMMUNOLOGY

IgE and IgG antibodies to beta-propiolactone and human serum albumin associated with urticarial reactions to rabies vaccine. Swanson MC, et al. **J Infect Dis** 1987 May; 155(5):909–13

ISOLATION & PURIFICATION

Corianin from Coriaria japonica A. Gray, and sesquiterpene lactones from Loranthus parasiticus Merr. used for treatment of schizophrenia. Okuda T, et al.
Chem Pharm Bull (Tokyo) 1987 Jan;35(1):182–7
Sesquiterpene lactones and flavonoids from Helianthus species. Gao F, et al. **J Nat Prod** 1987 Jan–Feb;50(1):23–9
Antineoplastic agents, 118. Isolation and structure of bryostatin 9. Pettit GR, et al. **J Nat Prod** 1986 Jul–Aug; 49(4):661–4

PHARMACODYNAMICS

Inhibition of macrophage adenylate cyclase by the alpha-methylene-gamma-lactone moiety of sesquiterpene lactones from forage plants. Elissalde MH Jr, et al.
Am J Vet Res 1987 Jan;48(1):148–52
Comparative effects of polymyxin B, phorbol ester and bryostatin on protein phosphorylation, protein kinase C translocation, phospholipid metabolism and differentiation of HL60 cells. Kiss Z, et al.
Biochem Biophys Res Commun 1987 Jul 15;146(1):208–15
The influence of the sesquiterpene lactones from Geigeria on mast cell degranulation. Gaspar AR, et al.
Biochem Pharmacol 1987 Aug 1;36(15):2461–5
Kinetics and mechanism of human leukocyte elastase inactivation by ynenol lactones. Copp LJ, et al.
Biochemistry 1987 Jan 13;26(1):169–78
The inhibition of phospholipase A2 by manoalide and manoalide analogues. Deems RA, et al.
Biochim Biophys Acta 1987 Feb 14;917(2):258–68
Bryostatins mimic the effects of phorbol esters in intact human platelets. Tallant EA, et al.
Biochim Biophys Acta 1987 Jun 15;929(1):40–6
Bryostatin 1, an activator of protein kinase C, inhibits tumor promotion by phorbol esters in SENCAR mouse skin. Hennings H, et al. **Carcinogenesis** 1987 Sep;8(9):1343–6
Virus safety of beta-propiolactone treated plasma preparations. Clinical experiences. Heinrich D, et al.
Dev Biol Stand 1987;67:311–7
Smooth muscle relaxant effect of dehydroindicolactone. Kong YC, et al. **Gen Pharmacol** 1986;17(5):593–5
Chitin metabolism: not a target of avermectin/milbemycin activity in insects. Gordnier PM, et al.
J Antibiot (Tokyo) 1987 Jan;40(1):110–2
Three activators of protein kinase C, bryostatins, dioleins, and phorbol esters, show differing specificities of action on GH4 pituitary cells. Ramsdell JS, et al.
J Biol Chem 1986 Dec 25;261(36):17073–80
Inactivation of poliovirus with beta-propiolactone. Jiang SD, et al. **J Biol Stand** 1986 Apr;14(2):103–9
Effect of beta-propiolactone—an inhibitor of HTLV III/LAV activity—on immunological analyses. Ball MJ, et al. **J Immunol Methods** 1986 Dec 4;95(1):113–6
Placental transfer of class G immunoglobulins treated with beta-propiolactone (beta-PL) for intravenous application—a case report. Höckel M, et al.
J Perinat Med 1986;14(3):205–8
Effects of milbemycin D on adult Angiostrongylus cantonensis in rats. Terada M, et al. **Parasitol Res** 1987; 73(4):375–80
Eupatorium cannabinum L. A review emphasizing the sesquiterpene lactones and their biological activity. Woerdenbag HJ. **Pharm Weekbl [Sci]** 1986 Oct 17; 8(5):245–51 (69 ref.)
A highly sensitive bacterial assay for toxins based on swarming inhibition, and comparison with the cup plate assay based on growth inhibition. Lenz P, et al.
Toxicology 1987 Aug;45(2):185–91
Effect of beta-propiolactone on human red cell antigens and antibodies [letter] Kalish RI, et al. **Transfusion** 1987 Mar–Apr;27(2):214–5

THERAPEUTIC USE

Effect of milbemycin D against microfilariae of Litomosoides carinii. Nakamura M, et al. **Jpn J Exp Med** 1986 Jun; 56(3):107–12
Prophylactic efficacy of milbemycin D against multiple infection of Dirofilaria immitis in dogs. Tagawa M, et al. **Nippon Juigaku Zasshi** 1986 Dec;48(6):1267–9

TOXICITY

Relationships between the levels of binding to DNA and the carcinogenic potencies in rat nasal mucosa for three alkylating agents. Snyder CA, et al. **Cancer Lett** 1986 Nov; 33(2):175–81
Inhibition of beta-propiolactone-induced mutagenesis and neoplasia by sodium thiosulfate. Wattenberg LW, et al.
Cancer Res 1987 Aug 15;47(16):4351–4

LACTOPEROXIDASE see under **PEROXIDASES**

LACTOSE

Studies on tableting properties of lactose. V. Effects of both lubrication and addition of disintegrants on properties of tablets prepared from different types of crystalline lactose. Van Kamp HV, et al. **Acta Pharm Suec** 1986;23(4):217–30
Studies on tableting properties of lactose. VI. Consolidation and compaction of spray dried amorphous lactose. Vromans H, et al. **Acta Pharm Suec** 1986;23(4):231–40
Effect of various conditions on the formation of oligosaccharides in milk treated with beta-galactosidase. Kwak HS, et al. **J Dairy Sci** 1986 Nov;69(11):2785–90
The effect of the relationship between punch velocity and particle size on the compaction behaviour of materials with varying deformation mechanisms. Roberts RJ, et al.
J Pharm Pharmacol 1986 Aug;38(8):567–71
Plasma amino acid differences in very low birth weight infants fed either human milk or whey-dominant cow milk formula. Schanler RJ, et al. **Pediatr Res** 1987 Mar; 21(3):301–5
The proteolytic activity of milk fat, whey and casein for iodinated, extrinsic bovine IgG1, IgG2, SIgA and IgM. Frenyo VL, et al. **Vet Immunol Immunopathol** 1986 Nov; 13(3):227–38
[Embryotoxicity of the products of the Maillard reaction. Methionine-glucose and methionine-lactose] Darboux R, et al. **J Toxicol Clin Exp** 1986 Nov–Dec;6(6):377–86 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Chronic diarrhea and soy formulas. Inhibition of diarrhea by lactose. Donovan GK, et al. **Am J Dis Child** 1987 Oct; 141(10):1069–71
Effects of amount and concentration of a lactose—containing formula on outcome of infantile diarrhoea. Pichaipat V, et al. **J Med Assoc Thai** 1986 Oct;69 Suppl 2:132–6
Indices of protein metabolism in term infants fed either human milk or formulas with reduced protein concentration and various whey/casein ratios. Janas LM, et al. **J Pediatr** 1987 Jun;110(6):838–48
Blood glucose and plasma insulin responses to fat free milk and low-lactose fat free milk in healthy human volunteers. Salminen E, et al. **Z Ernahrungswiss** 1987 Mar;26(1):52–5

ADVERSE EFFECTS

[Experimental dilatation of the cecum and colon in rats. III. A model induced by prolonged administration of lactose in the diet of animals in the chronic phase of infection by the Y strain of T. cruzi] Collares EF, et al.
Arq Gastroenterol 1986 Apr–Jun;23(2):88–94 (Eng. Abstr.) **(Por)**

ANALYSIS

The purification of lactoferrin from human whey by batch extraction. Foley AA, et al. **Anal Biochem** 1987 Apr; 162(1):296–300

Mammary function during the nonlactating period: enzyme, lactose, protein concentrations, and pH of mammary secretions. Hurley WL. **J Dairy Sci** 1987 Jan;70(1):20–8

[Effect of reserpine on the lactose, iron and lactoferrin content of the milk of lactating rabbits] Mutafchiev D. **Eksp Med Morfol** 1987;26(2):35–9 (Eng. Abstr.) **(Bul)**

[Physico–pharmaceutical properties of lactose] Lerk CF. **Pharm Unserer Zeit** 1987 Mar;16(2):39–46 **(Ger)**

[Diagnostic value of the determination of sugar in the gastric juice] Shelbak MP, et al. **Lab Delo** 1987;(4):259–61 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Effects in rats of dietary protein inadequacy on lactose production, milk volume and components of the lactose synthetase complex (EC 2.4.1.22). Grimble RF, et al. **Ann Nutr Metab** 1987;31(3):179–84

DIAGNOSTIC USE

Lactase insufficiency in Chinese children detected by oral milk and lactose challenge. Quak SH, et al. **Ann Trop Paediatr** 1987 Jun;7(2):100–3

Correlation between the results of oral loading tests (with xylose, lactose, saccharose) and the morphological status and enzymatic activity of small intestine mucosa in children with the malabsorption syndrome. Grodzka Z, et al. **Mater Med Pol** 1986 Apr–Jun;18(2):83–7

GENETICS

Molecular characterization of a conjugative R–lac plasmid in Salmonella typhi isolated from a patient with typhoid fever. Ezaki T, et al. **Ann Inst Pasteur Microbiol** 1987 May–Jun;138(3):303–11

Interactions of the catabolite activator protein (CAP) at the galactose and lactose promoters of Escherichia coli probed by hydroxyl radical footprinting. The second CAP molecule which binds at gal and the one CAP at lac may act to stimulate transcription in the same way. Shanblatt SH, et al. **J Biol Chem** 1987 Aug 25;262(24):11422–7

GAL4 of Saccharomyces cerevisiae activates the lactose–galactose regulon of Kluyveromyces lactis and creates a new phenotype: glucose repression of the regulon. Riley MI, et al. **Mol Cell Biol** 1987 Feb;7(2):780–6

METABOLISM

The role of genes LAC1 and LAC2 in the biosynthesis of lactose metabolism enzymes by Kluyveromyces lactis. Boze H, et al. **Acta Microbiol Hung** 1987;34(1):73–83

Genetics of lactose digestion in humans. Flatz G. **Adv Hum Genet** 1987;16:1–77 (352 ref.)

Modification of sweet acidophilus milk to improve utilization by lactose–intolerant persons. McDonough FE, et al. **Am J Clin Nutr** 1987 Mar;45(3):570–4

Lactose digestion by yogurt beta–galactosidase: influence of pH and microbial cell integrity. Martini MC, et al. **Am J Clin Nutr** 1987 Feb;45(2):432–6

Milk consumption, symptom response, and lactose digestion in milk intolerance. Rosado JL, et al. **Am J Clin Nutr** 1987 Jun;45(6):1457–60

Salt tolerance of lactose–grown Vibrio parahaemolyticus carrying Escherichia coli lac genes. Datta AR, et al. **Appl Environ Microbiol** 1987 Feb;53(2):466–9

Comparison of the energetics of lactose active transport: artificial versus enzyme–associated energy source. Chen LI, et al. **Arch Biochem Biophys** 1986 Dec;251(2):606–15

Lactose and calcium absorption in postmenopausal osteoporosis. Horowitz M, et al. **Arch Intern Med** 1987 Mar;147(3):534–6

Monoclonal antibodies (2C5 and 4C9) against lactoseries carbohydrates identify subsets of olfactory and vomeronasal receptor cells and their axons in the rabbit. Mori K. **Brain Res** 1987 Apr 7;408(1–2):215–21

Absence of a unique relationship between active transport of lactose and protonmotive force in E. coli. Ghazi A, et al. **FEBS Lett** 1986 Dec 15;209(2):325–9

Lactosylation of albumin reduces uptake rate of dibromosulfophthalein in perfused rat liver and dissociation rate from albumin in vitro. van der Sluijs P, et al. **Hepatology** 1987 Jul–Aug;7(4):688–95

Double–blind study on the tolerance of four types of milk in lactose malabsorbers and absorbers. Cavalli–Sforza LT, et al. **Ham Nutr Clin Nutr** 1987 Jan;41(1):19–30

Lactose and melibiose metabolism in Erwinia chrysanthemi. Gray JS, et al. **J Bacteriol** 1986 Nov;168(2):886–91

Tn2501, a component of the lactose transposon Tn951, is an example of a new category of class II transposable elements. Michiels T, et al. **J Bacteriol** 1987 Feb; 169(2):624–31

Bioenergetic consequences of lactose starvation for continuously cultured Streptococcus cremoris. Poolman B, et al. **J Bacteriol** 1987 Apr;169(4):1460–8

Isolation and characterization of mutants of Kluyveromyces lactis defective in lactose transport. Riley MI, et al. **MGG** 1987 Jun;208(1–2):145–51

Characterization of self–transmissible plasmids determining lactose fermentation and multiple antibiotic resistance in clinical strains of Klebsiella pneumoniae. Walia SK, et al. **Plasmid** 1987 Jan;17(1):3–12

PHARMACODYNAMICS

Effect of dietary and infused lactose on rat intestinal lymph lipids. Stone PM, et al. **Ann Nutr Metab** 1987;31(3):170–8

Effect of fat and lactose supplementation on digestion in dairy cows. 2. Long–chain fatty acids. Bauchart D, et al. **J Dairy Sci** 1987 Jan;70(1):71–80

Effect of fat and lactose supplementation on digestion in dairy cows. 1. Nonlipid components. Doreau M, et al. **J Dairy Sci** 1987 Jan;70(1):64–70

Effects of dietary lactose and purified diet on intestinal microflora of rats. Morishita Y, et al. **Jpn J Med Sci Biol** 1987 Feb;40(1):15–26

On the cariogenicity of lactose. Pearce EI, et al. **NZ Dent J** 1987 Apr;83(372):32–6 (64 ref.)

THERAPEUTIC USE

Acidifying enemas (lactitol and lactose) vs. nonacidifying enemas (tap water) to treat acute portal–systemic encephalopathy: a double–blind, randomized clinical trial. Uribe M, et al. **Hepatology** 1987 Jul–Aug;7(4):639–43

LACTOSE FACTORS see under **PLASMIDS**

LACTOSE INTOLERANCE

CHEMICALLY INDUCED

Lactose intolerance associated with Intal capsules [letter] Brandstetter RD, et al. **N Engl J Med** 1986 Dec 18; 315(25):1613–4

DIAGNOSIS

Lactase insufficiency in Chinese children detected by oral milk and lactose challenge. Quak SH, et al. **Ann Trop Paediatr** 1987 Jun;7(2):100–3

Differences between lactase deficient and non–lactase deficient women with spinal osteoporosis. Vigorita VJ, et al. **Clin Orthop** 1987 Feb;(215):248–53

Lactase deficiency. Diagnosis and management. Littman A. **Hosp Pract [Off]** 1987 Jan 30;22(1A):111–5, 118–20, 123–4

A standardized milk tolerance test. de Villiers FP. **J Clin Gastroenterol** 1987 Jun;9(3):320–3

Two–hour lactose breath hydrogen tests [letter] Ceriani R, et al. **J Pediatr Gastroenterol Nutr** 1986 Nov–Dec; 5(6):995–7

The cut–off criterion for a positive hydrogen breath test in children: a reappraisal. Solomons NW, et al. **J Pediatr Gastroenterol Nutr** 1986 Nov–Dec;5(6):920–5

Strip test is reliable in common prevalences of hypolactasia. Arola H, et al. **Scand J Gastroenterol** 1987 May; 22(4):509–12

[Determination of lactase deficiency by the hydrogen breath test: a study of 198 healthy Chinese subjects] Bei L, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Mar;26(3):131–4, 189 (Eng. Abstr.) **(Chi)**

[A case from practice (74). Patient: A.–W., H.R., born 1945, official (lactose intolerance)] Burger R. **Schweiz Rundsch Med Prax** 1987 Feb 17;76(8):209–10 **(Ger)**

DRUG THERAPY

Does oral enzyme replacement therapy reverse intestinal lactose malabsorption? Moskovitz M, et al. **Am J Gastroenterol** 1987 Jul;82(7):632–5

Efficacy of lactase–treated milk for lactose–intolerant pediatric patients. Biller JA, et al. **J Pediatr** 1987 Jul; 111(1):91–4

Effective reduction of lactose maldigestion in preschool children by direct addition of beta–galactosidases to milk at mealtime. Barillas C, et al. **Pediatrics** 1987 May; 79(5):766–72

ETIOLOGY

Lactase deficiency and lactose malabsorption. Cooper BT. **Dig Dis** 1986;4(2):72–82 (71 ref.)

Milk intolerance and microbe–containing dairy foods. Savaiano DA, et al. **J Dairy Sci** 1987 Feb;70(2):397–406 (39 ref.)

[Role of hypolactasia in the development of milk intolerance after various surgical procedures on the stomach] Viali TE, et al. **Sov Med** 1987;(3):82–4 **(Rus)**

FAMILIAL & GENETIC

Genetics of lactose digestion in humans. Flatz G. **Adv Hum Genet** 1987;16:1–77 (352 ref.)

METABOLISM

Modification of sweet acidophilus milk to improve utilization by lactose–intolerant persons. McDonough FE, et al. **Am J Clin Nutr** 1987 Mar;45(3):570–4

Milk consumption, symptom response, and lactose digestion in milk intolerance. Rosado JL, et al. **Am J Clin Nutr** 1987 Jun;45(6):1457–60

Double–blind study on the tolerance of four types of milk in lactose malabsorbers and absorbers. Cavalli–Sforza LT, et al. **Ham Nutr Clin Nutr** 1987 Jan;41(1):19–30

[Lactose malabsorption and its ethnic influence in healthy Chinese] Zheng JJ, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Mar;26(3):135–7, 189 (Eng. Abstr.) **(Chi)**

OCCURRENCE

Lactose malabsorption and giardiasis in Basotho school children. Tolboom JJ, et al. **Acta Paediatr Scand** 1987 Jan; 76(1):60–5

Primary adult lactose malabsorption in Italy: regional differences in prevalence and relationship to lactose intolerance and milk consumption. Cavalli–Sforza LT, et al. **Am J Clin Nutr** 1987 Apr;45(4):748–54

Lactose malabsorption and intolerance in Italians. Clinical implications. Bozzani A, et al. **Dig Dis Sci** 1986 Dec; 31(12):1313–6

Lactase deficiency in Australian school children. Brand JC, et al. **Med J Aust** 1986 Oct 6;145(7):318–22

[Pediatrics and ethnic minorities (letter)] Tolboom JJ. **Ned Tijdschr Geneeskd** 1987 Jul 11;131(28):1236 **(Dut)**

LACTOSE SYNTHETASE

Structure identification of the complex–type, asparagine–linked sugar chains of beta–D–galactosyl–transferase purified from human milk. Endo T, et al. **Carbohydr Res** 1986 Aug 1;150:241–63

METABOLISM

Effects in rats of dietary protein inadequacy on lactose production, milk volume and components of the lactose synthetase complex (EC 2.4.1.22). Grimble RF, et al. **Ann Nutr Metab** 1987;31(3):179–84

Distribution, purification and characterization of rat intestinal UDPgalactose: N–acetylglucosaminyl(beta 1——4)galactosyltransferase. Weiser MM, et al. **Biochim Biophys Acta** 1987 May 19;924(2):323–31

Isoproterenol–mediated parotid gland hypertrophy is inhibited by effectors of 4 beta–galactosyltransferase. Humphreys–Beher MG, et al. **J Biol Chem** 1987 Aug 25; 262(24):11706–13

LACTOSE TOLERANCE TEST

Lactose tolerance test in 193 subjects in Ethiopia. Kefenie H, et al. **Ethiop Med J** 1987 Apr;25(2):65–9

LACTOSYLCERAMIDES see under **GLYCOSPHINGOLIPIDS**

LACTOYL GLUTATHIONE LYASE see under **LYASES**

LACTULOSE see under **DISACCHARIDES**

LAETRILE see **AMYGDALIN**

LAFORA DISEASE see **EPILEPSY, MYOCLONUS**

LAGOMORPHA see under **MAMMALS**

LAGOTHRIX see **CEBIDAE**

LAKI–LORAND FACTOR see **FACTOR XIII**

LAMBDA PHAGE see **PHAGE LAMBDA**

LAMBLIA see **GIARDIA**

LAMBLIASIS see **GIARDIASIS**

LAMENESS, ANIMAL

CONGENITAL

Unilateral phalangeal dysgenesis and navicular bone agenesis in a foal. Modransky P, et al. **Equine Vet J** 1987 Jul; 19(4):347–9

DIAGNOSIS

Identification of hindleg lameness. May SA, et al. **Equine Vet J** 1987 May;19(3):185–8

ETIOLOGY

Brucella abortus biotype 1 arthritis in a horse. Carrigan MJ, et al. **Aust Vet J** 1987 Jun;64(6):190

Acetabular osteochondrosis dissecans in a foal. Miller CL, et al. **Cornell Vet** 1987 Jan;77(1):75–83

Comment on the paper: Track condition and racing injuries in thoroughbred horses [letter] Rooney JR. **Cornell Vet** 1987 Apr;77(2):212–5

Laminitis and possible enterotoxaemia associated with carbohydrate overload in mares. Carroll CL, et al. **Equine Vet J** 1987 Jul;19(4):344–6

Possible antebrachial flexor compartment syndrome as a cause of lameness in two horses. Sullins KE, et al. **Equine Vet J** 1987 Mar;19(2):147–50

Arthritis and panuveitis as manifestations of Borrelia burgdorferi infection in a Wisconsin pony. Burgess EC, et al. **J Am Vet Med Assoc** 1986 Nov 15;189(10):1340–2

Laminitis and decreased milk production in first–lactation cows improperly fed a dairy ration. Moser EA, et al. **J Am Vet Med Assoc** 1987 Jun 15;190(12):1575–6

Fractures of the distal phalanx of the forelimb in eight foals. Yovich JV, et al. **J Am Vet Med Assoc** 1986 Sep 1; 189(5):550–4

'Pus filled leg' [letter] Humphreys GU. **Vet Rec** 1987 May 9;120(19):466

Remodelling of a long-standing non-union of a canine femoral shaft. May SA, et al. **Vet Rec** 1986 Aug 30; 119(9):207–8

Bovine pododermatitis aseptica diffusa (laminitis) aetiology, pathogenesis, treatment and control. Mgasa MN. **Vet Res Commun** 1987;11(3):235–41 (32 ref.)

[Unequal femurs] Frencken J. **Tijdschr Diergeneeskd** 1987 Feb 15;112(4):218–9 (Eng. Abstr.) **(Dut)**

[Avulsion of tibial tuberosities in dogs] Goverts JT. **Tijdschr Diergeneeskd** 1986 Dec 15;111(24):1257–9 (Eng. Abstr.) **(Dut)**

[Examination and treatment of a loose medial coronoid process in dogs] Hazewinkel HA, et al. **Tijdschr Diergeneeskd** 1986 Dec 15;111(24):1234–45 (Eng. Abstr.) **(Dut)**

OCCURRENCE

A study on digital diseases of cattle in Morocco. Mahin L, et al. **Ann Rech Vet** 1986;17(1):7–13

Chronic orthopaedic disease in adult male broiler breeding fowls. Duff SR, et al. **Res Vet Sci** 1986 Nov;41(3):340–8

PHYSIOPATHOLOGY

Locomotion analysis technology for evaluation of lameness in horses. Leach DH. **Equine Vet J** 1987 Mar;19(2):97–9

PREVENTION & CONTROL

Relationship of high intensity step-up lighting to bone ash and growth plate closure of the tarso-metatarsus in turkeys. Klingensmith PM, et al. **Br Poult Sci** 1986 Sep;27(3):487–92

RADIOGRAPHY

Unilateral distension of the tarsal sheath in the horse: a report of 11 cases. Dik KJ, et al. **Equine Vet J** 1987 Jul; 19(4):307–13

SURGERY

Navicular suspensory desmotomy in the treatment of navicular disease: technique and preliminary results. Wright IM. **Equine Vet J** 1986 Nov;18(6):443–6

Surgical management of chronic laminitis in horses: 13 cases (1983–1985). Allen D Jr, et al. **J Am Vet Med Assoc** 1986 Dec 15;189(12):1604–6

[Classical article. Various observations on neurotomy. By J.B.H. Moubis. 1878] **Tijdschr Diergeneeskd** 1987 Feb 15; 112(4):191–2 **(Dut)**

[Classical article. An observation on neurotomy in horses. By J.B.H. Moubis. 1876] **Tijdschr Diergeneeskd** 1987 Feb 15;112(4):189–90 **(Dut)**

[Interruption of the sensory nerve tract in chronically lame horses] Nemeth F. **Tijdschr Diergeneeskd** 1987 Feb 15; 112(4):193–203 (Eng. Abstr.) **(Dut)**

THERAPY

The treatment of lameness [editorial] May SA. **Equine Vet J** 1986 Sep;18(5):348–50

LAMINA ELASTICA POSTERIOR see **DESCEMET'S MEMBRANE**

LAMINAGRAPHY, X-RAY see **TOMOGRAPHY, X-RAY**

LAMINAR AIR-FLOW AREAS see **ENVIRONMENT, CONTROLLED**

LAMINARIA see under **SEAWEED**

LAMINECTOMY

Somatosensory evoked potentials following pudendal nerve stimulation as indicators of low sacral root involvement in a postlaminectomy patient. Nainzadeh N, et al. **Arch Phys Med Rehabil** 1987 Mar;68(3):170–2

Postoperative spondylolisthesis. Sienkiewicz PJ, et al. **Clin Orthop** 1987 Aug;(221):172–80

The role of vertebral body collapse in the management of malignant spinal cord compression. Findlay GF. **J Neurol Neurosurg Psychiatry** 1987 Feb;50(2):151–4

Closure of extensive and complicated laminectomy wounds. Operative technique. Zide BM, et al. **J Neurosurg** 1987 Jul;67(1):59–64

Knee-chest position [letter] Epstein NE, et al. **Neurosurgery** 1987 Mar;20(3):503–4

Postoperative laminectomy pain control using bupivacaine and epidural morphine. Rechtine GR, et al. **Orthopedics** 1986 Dec;9(12):1711–2

The differential utility of the Minnesota Multiphasic Personality Inventory. A predictor of outcome in lumbar laminectomy for disc herniation versus spinal stenosis. Herron LD, et al. **Spine** 1986 Oct;11(8):847–50

An experimental study on prevention of postlaminectomy scar formation by the use of new materials. Mikawa Y, et al. **Spine** 1986 Oct;11(8):843–6

The role of laminectomy, facet rhizotomy, and epidural steroids. Oudenhoven RC. **Spine** 1979 Mar–Apr;4(2):145–7

Lumbar laminectomy for herniated disc: a prospective controlled comparison with internal fixation fusion. White AH, et al. **Spine** 1987 Apr;12(3):305–7

ADVERSE EFFECTS

An unusual ureteric injury. Defay P, et al. **Br J Urol** 1986 Oct;58(5):567

The prevention of adhesions after laminectomy. Adverse results of Zenoderm implantations into laminectomy sites in rabbits. Boot DA, et al. **Clin Orthop** 1987 Feb; (215):296–302

Delayed quadriplegia following decompressive cervical laminectomy [letter] Martin DC, et al. **Crit Care Med** 1987 Sep;15(9):889–90

Side effects following metrizamide myelography and lumbar laminectomy. Jones AG, et al. **J Neurosci Nurs** 1987 Apr; 19(2):90–4

Entrapped lumbar nerve root in pseudomeningocele after laminectomy: report of three cases. Hadani M, et al. **Neurosurgery** 1986 Sep;19(3):405–7

Lumbar spine osteolysis: an entity caused by spinal instability. Bradford DS, et al. **Spine** 1986 Dec;11(10):1013–9

Spinal deformity and instability after multilevel cervical laminectomy. Mikawa Y, et al. **Spine** 1987 Jan–Feb; 12(1):6–11

The injudicious laminectomy. Natelson SE. **Spine** 1986 Nov; 11(9):966–9

METHODS

Spinal stenosis. Booth RE Jr. **Instr Course Lect** 1986; 35:420–35

Minilaminotomy, an alternative to microdiscectomy or standard laminectomy. Savitz MH, et al. **Mt Sinai J Med (NY)** 1986 Sep;53(7):518–22

Avoiding late complications due to extensive laminectomies [letter] Forni C, et al. **Spine** 1986 Oct;11(8):853

Extensive simultaneous multisegment laminectomy for myelopathy due to the ossification of the posterior longitudinal ligament in the cervical region. Miyazaki K, et al. **Spine** 1986 Jul–Aug;11(6):531–42

[Semilaminectomy and lateral-anterior decompression for an old injury of the thoraco-lumbar spine] Jia LS, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Jun;24(6):346–9, 382 (Eng. Abstr.) **(Chi)**

[Open-door decompressive cervical laminotomy. Technic and initial experiences] Faccioli F, et al. **Neurochirurgie** 1987;33(1):38–43 (Eng. Abstr.) **(Fre)**

[Computed tomographic research on the viability of a free fat pedicle flap in the area of a laminectomy] Nicolas V, et al. **ROFO** 1987 May;146(5):565–9 (Eng. Abstr.) **(Ger)**

[Operative methods for cervical disc disease] Iwasaki Y, et al. **Neurol Med Chir (Tokyo)** 1986 Nov;26(11):857–62 (Eng. Abstr.) **(Jpn)**

[A method of osteoplastic laminectomy] Khvisiuk NI, et al. **Ortop Travmatol Protez** 1987 Jan;(1):37–9 **(Rus)**

REHABILITATION

[Rehabilitation of patients after surgical treatment of backache syndromes] Stelmasiak T, et al. **Pol Tyg Lek** 1987 Feb 2;42(5):136–7 (5 ref.) **(Pol)**

LAMININ

Magnesium-dependent attachment and neurite outgrowth by PC12 cells on collagen and laminin substrata. Turner DC, et al. **Dev Biol** 1987 Jun;121(2):510–25

Evidence for a dual mechanism of chick embryo fibroblast adhesion on fibronectin and laminin substrata. Codogno P, et al. **Exp Cell Res** 1987 Apr;169(2):478–89

Electron microscopy and other physical methods for the characterization of extracellular matrix components: laminin, fibronectin, collagen IV, collagen VI, and proteoglycans. Engel J, et al. **Methods Enzymol** 1987; 145:3–78

ANALYSIS

Extracellular hyaline bodies are basement membrane accumulations. Barsky SH, et al. **Am J Clin Pathol** 1987 Apr;87(4):455–60

Extensive laminin and basement membrane accumulation occurs at the onset of bleomycin-induced rodent pulmonary fibrosis. Singer II, et al. **Am J Pathol** 1986 Nov; 125(2):258–68

Estrogen receptor immunocytochemical assay (ERICA) and laminin detection in 130 breast carcinomas and computerized (Samba 200) multiparametric quantitative analysis on tissue sections. Charpin C, et al. **Bull Cancer (Paris)** 1986;73(6):651–64

Laminin M is found in placental basement membranes, but not in basement membranes of neoplastic origin. Ohno M, et al. **Connect Tissue Res** 1986;15(3):199–207

Studies on macromolecular components of human glomerular basement membrane and alterations in diabetes. Decreased levels of heparan sulfate proteoglycan and laminin. Shimomura H, et al. **Diabetes** 1987 Mar;36(3):374–81

A comparative analysis of collagen III, IV, laminin and fibronectin in Duchenne muscular dystrophy biopsies and cell cultures. Rampoldi E, et al. **Eur J Cell Biol** 1986 Oct; 42(1):27–34

Immunoelectronmicroscopic localization of extracellular matrix components produced by bovine corneal endothelial cells in vitro. Sawada H, et al. **Exp Cell Res** 1987 Jul; 171(1):94–109

Ultrastructural localization of type IV collagen, laminin and prolyl hydroxylase in biliary epithelial cells of rat liver following ligation of the common bile duct. Miyabayashi C, et al. **Gastroenterol Jpn** 1987 Jun;22(3):354–69

Cytokeratin and laminin immunostaining in the diagnosis of cutaneous neuro-endocrine (Merkel cell) tumours. Hall PA, et al. **Histopathology** 1986 Nov;10(11):1179–90

Distribution of basement membrane laminin and type IV collagen in human reactive lymph nodes. Karttunen T, et al. **Histopathology** 1986 Aug;10(8):841–9

Immunofluorescent characterization of fibronectin, laminin, and keratin in normal and neoplastic human mammary epithelial cells in culture and in breast tissue sections. Alon Y, et al. **Int J Tissue React** 1986;8(5):401–10

Distribution of laminin and collagen type IV in rat colon tumors induced by 1,2-dimethylhydrazine. Ljubimov AV, et al. **Invasion Metastasis** 1987;7(2):61–72

The localization of laminin, fibronectin, and lectin-binding sites on the epidermal basal lamina. Osawa T. **J Electron Microsc (Tokyo)** 1986;35(3):259–71

The distribution of fibronectin, laminin and entactin in the neurulating rat embryo studied by indirect immunofluorescence. Tuckett F, et al. **J Embryol Exp Morphol** 1986 Jun;94:95–112

Ultrastructural localization of laminin in rat sensory ganglia. Schiff R, et al. **J Histochem Cytochem** 1986 Dec; 34(12):1691–9

Cellular and subcellular distribution of laminin in adult rat anterior pituitary. Vila-Porcile E, et al. **J Histochem Cytochem** 1987 Mar;35(3):287–99

Laminin in the anterior pituitary gland of the rat. Laminin in the gonadotrophic cells correlates with their functional state. Holck S, et al. **Lab Invest** 1987 May;56(5):481–8

Laminin immunostaining in hyperplastic, dysplastic, and neoplastic lesions of the endometrium and uterine cervix. Vogel HP, et al. **Obstet Gynecol** 1987 May;69(5):794–9

Localization of collagen types I, III, IV and V, fibronectin and laminin in human arteries by the indirect immunofluorescence method. Voss B, et al. **Pathol Res Pract** 1986 Oct;181(5):568–75

Collagen and laminin immunoreactivity in Ewing's sarcoma: support for an uncommitted mesenchymal cell derivation. Siegal GP, et al. **Pediatr Pathol** 1986;5(3-4):485–7

Laminin--a basement membrane specific glycoprotein--in bladder carcinomas. Hashimoto H, et al. **Urol Int** 1986; 41(4):248–53

ANTAGONISTS & INHIBITORS

Peptide inhibitors of fibronectin, laminin, and other adhesion molecules: unique and shared features. Yamada KM, et al. **J Cell Physiol** 1987 Jan;130(1):21–8

BIOSYNTHESIS

Laminin production by human endometrial stromal cells relates to the cyclic and pathologic state of the endometrium. Faber M, et al. **Am J Pathol** 1986 Sep; 124(3):384–91

Cell-free translation products of basement membrane RNA from the EHS tumor. Laurent M, et al. **Biochim Biophys Acta** 1987 Apr 29;908(3):241–50

Synthesis and distribution of laminin-related polypeptides in early amphibian embryos. Darribère T, et al. **Cell Tissue Res** 1986;246(1):45–51

Laminin production by murine melanoma cells: possible involvement in cell motility. Fligiel SE, et al. **Clin Exp Metastasis** 1986 Oct–Dec;4(4):259–72

Control of laminin synthesis during differentiation of F9 embryonal carcinoma cells. A study using cDNA clones complementary to the mRNA species for the A, B1 and B2 subunits. Durkin ME, et al. **Differentiation** 1986; 32(3):260–6

Production of basement membrane laminin and type IV collagen by tumors of striated muscle: an immunohistochemical study of rhabdomyosarcomas of different histologic types and a benign vaginal rhabdomyoma. Autio-Harmainen H, et al. **Hum Pathol** 1986 Dec;17(12):1218–24

Epidermal growth factor stimulates the synthesis of cell-attachment proteins in the human breast cancer cell line PMC42. Thorne HJ, et al. **Int J Cancer** 1987 Aug 15;40(2):207–12

Steady-state levels of mRNAs coding for the type IV collagen and laminin polypeptide chains of basement membranes exhibit marked tissue-specific stoichiometric variations in the rat. Boot-Handford RP, et al. **J Biol Chem** 1987 Sep 15;262(26):12475–8

Differential control of mRNA levels for Thy-1 antigen and laminin in rat mammary epithelial and myoepithelial-like cells. Barraclough R, et al. **J Cell Physiol** 1987 Jun; 131(3):393–401

Effects of transformation on the expression of laminin and fibronectin by neural cells. Giotta GJ, et al. **J Cell Physiol** 1986 Oct;129(1):43–50

Ewing's sarcoma lines synthesize laminin and fibronectin. Scarpa S, et al. **Virchows Arch [A]** 1987;410(5):375–81

BLOOD

Serum procollagen type III N-terminal peptides and laminin P1 peptide in alcoholic liver disease. Nouchi T, et al.

Alcoholism (NY) 1987 Jun;11(3):287–91
Serum concentrations of laminin and aminoterminal propeptide of type III procollagen in relation to the portal venous pressure of fibrotic liver diseases. Gressner AM, et al. **Clin Chim Acta** 1986 Dec 30;161(3):249–58
Basement membrane components (7S collagen, laminin P1) are increased in sera of diabetics and activate platelets in vitro. Högemann B, et al. **Haemostasis** 1986;16(6):428–32
Serum concentrations of N-terminal propeptide of type III procollagen and laminin in the outflow of fibrotic livers compared with liver-distal regions. Gressner AM, et al. **Hepatogastroenterology** 1986 Oct;33(5):191–5
Serum concentration of laminin, and course of the disease in patients with various malignancies. Rochlitz C, et al. **J Clin Oncol** 1987 Sep;5(9):1424–9
Serum laminin—its concentration increases with portal hypertension in cirrhotic liver disease. Gressner AM, et al. **Klin Wochenschr** 1986 Dec 1;64(23):1240–8
[Serum assay of the P1 fragment of human laminin (letter)] Hartmann DJ, et al. **Ann Biol Clin (Paris)** 1987;45(2):166 **(Fre)**
[Serum levels of laminin in patients with various alcoholic liver diseases] Maruyama K. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep;83(9):2093 **(Jpn)**

GENETICS

Genes for basement membrane proteins are coordinately expressed in differentiating F9 cells but not in normal adult murine tissues. Kleinman HK, et al. **Dev Biol** 1987 Aug; 122(2):373–8
Human laminin B1 chain. A multidomain protein with gene (LAMB1) locus in the q22 region of chromosome 7. Pikkarainen T, et al. **J Biol Chem** 1987 Aug 5; 262(22):10454–62
Molecular cloning of laminin. Barlow DP, et al. **Methods Enzymol** 1987;144:464–74
Sequence of the cDNA encoding the laminin B1 chain reveals a multidomain protein containing cysteine-rich repeats. Sasaki M, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(4):935–9
[Laminin B1 chain; its structure and gene expression] Kohno K, et al. **Tanpakushitsu Kakusan Koso** 1987 May; 32(5):397–410 (79 ref.) **(Jpn)**

IMMUNOLOGY

Distinct antigenic characteristics of murine parietal yolk sac laminin. Wewer UM, et al. **Dev Biol** 1987 Jun; 121(2):397–407
Search for anti-laminin antibodies in the serum of workers exposed to cadmium, mercury vapour or lead. Bernard AM, et al. **Int Arch Occup Environ Health** 1987;59(3):303–9
Circulating antibodies to mouse laminin in Chagas disease, American cutaneous leishmaniasis, and normal individuals recognize terminal galactosyl(alpha 1–3)-galactose epitopes. Towbin H, et al. **J Exp Med** 1987 Aug 1; 166(2):419–32
Laminin immunohistochemistry: a simple method to visualize and quantitate vascular structures in the mammalian brain. Eriksdotter-Nilsson M, et al. **J Neurosci Methods** 1986 Sep; 17(4):275–86
Antibodies to laminin in Trypanosoma rangeli–infected subjects. Avila JL, et al. **Parasitol Res** 1987;73(2):178–9
[Demonstration of anti-laminin antibodies in the serum of healthy subjects] Bernard A, et al. **Biomed Pharmacother** 1987;41(4):183–6 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Laminin–nidogen complex. Extraction with chelating agents and structural characterization. Paulsson M, et al. **Eur J Biochem** 1987 Jul 1;166(1):11–9
Mapping of domains in human laminin using monoclonal antibodies: localization of the neurite-promoting site. Engvall E, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2457–65
Basement membranes. Timpl R, et al. **Methods Enzymol** 1987; 145:363–91

METABOLISM

Intercellular deposits of basement membrane material in active human pituitary adenomas detected by immunostaining for laminin and electron microscopy. Holck S, et al. **Acta Neuropathol (Berl)** 1986;71(3–4):326–31
Assessment of retinoid-induced differentiation of F9 embryonal carcinoma cells with an enzyme-linked immunoadsorbent assay for laminin: statistical comparison of dose-response curves. Williams JB, et al. **Anal Biochem** 1987 Feb 1;160(2):267–74
Thrombin cleavage of extracellular matrix proteins. Goldfarb RH, et al. **Ann NY Acad Sci** 1986;485:288–92
Gangliosides indirectly inhibit the binding of laminin to sulfatides. Roberts DD, et al. **Arch Biochem Biophys** 1986 Nov 1;250(2):498–504
Detection of extracellular matrix antigens (fibronectin, laminin, type IV in collagen) in paraffin embedded sections by avidin–biotin–peroxidase complex labelling. D'Errico A, et al. **Basic Appl Histochem** 1986;30(3):325–32
Laminin–immunoreactive sites are induced by growth-associated triggering factors in injured rabbit optic nerve. Zak NB, et al. **Brain Res** 1987 Apr 7;408(1–2):263–6
S-100 protein, fibronectin, and laminin immunostaining in lymphomas of follicular center cell origin. Carbone A, et al. **Cancer** 1986 Nov 15;58(10):2169–76
Expression of fibronectin and laminin in fetal male gonads in vivo and in vitro with and without testicular morphogenesis. Agelopoulou R, et al. **Cell Differ** 1987 Jun; 21(1):31–6
Sulfatide-binding proteins. Roberts DD. **Chem Phys Lipids** 1986 Dec 15;42(1–3):173–83 (84 ref.)
Binding of laminin to brain gangliosides and inhibition of laminin–neuron interaction by the gangliosides. Laitinen J, et al. **FEBS Lett** 1987 Jun 8;217(1):94–100
Methodological dependence in the ultrastructural immunolocalization of laminin in tubular basement membranes of the mouse kidney. Herken R, et al. **Histochemistry** 1987;87(1):59–64
Degradation of soluble laminin and depletion of tissue-associated basement membrane laminin by Pseudomonas aeruginosa elastase and alkaline protease. Heck LW, et al. **Infect Immun** 1986 Oct;54(1):149–53
Alterations in the distribution of fibronectin and laminin in the diabetic human eye. Kohno T, et al. **Invest Ophthalmol Vis Sci** 1987 Mar;28(3):515–21
Immunofluorescent studies of fibronectin and laminin in the human eye. Kohno T, et al. **Invest Ophthalmol Vis Sci** 1987 Mar;28(3):506–14
Binding of laminin to oral and endocarditis strains of viridans streptococci. Switalski LM, et al. **J Bacteriol** 1987 Mar; 169(3):1095–101
The cellular interactions of laminin fragments. Cell adhesion correlates with two fragment-specific high affinity binding sites. Aumailley M, et al. **J Biol Chem** 1987 Aug 25; 262(24):11532–8
Association of heparan sulfate proteoglycan and laminin with the cytoskeleton in rat liver. Carey DJ, et al. **J Biol Chem** 1987 Mar 5;262(7):3376–81
Inhibition of laminin self-assembly and interaction with type IV collagen by antibodies to the terminal domain of the long arm. Charonis AS, et al. **J Cell Biol** 1986 Nov; 103(5):1689–97
Distribution of laminin and fibronectin along peripheral trigeminal axon pathways in the developing chick. Riggott MJ, et al. **J Comp Neurol** 1987 Apr 22;258(4):580–96
Human neutrophil laminin receptors: activation-dependent receptor expression. Yoon PS, et al. **J Immunol** 1987 Jan 1;138(1):259–65
Localization of binding sites for laminin, heparan sulfate proteoglycan and fibronectin on basement membrane (type IV) collagen. Laurie GW, et al. **J Mol Biol** 1986 May 5; 189(1):205–16
Light microscopic immunolocalization of laminin, type IV collagen, nidogen, heparan sulphate proteoglycan and fibronectin in the enteric nervous system of rat and guinea pig. Bannerman PG, et al. **J Neurocytol** 1986 Dec; 15(6):733–43
Neurite-promoting activity from fetal skeletal muscle: immunological comparison with laminin. Steele JG, et al. **J Neurosci Res** 1987;17(2):119–27
Product identification of ameloblastomas: an immunohistochemical study. Nadimi H, et al. **J Oral Pathol** 1986 Sep;15(8):439–44
Effect of age and diabetes on type IV collagen and laminin in human kidney cortex. Karttunen T, et al. **Kidney Int** 1986 Oct;30(4):586–91
Sulfatide-binding proteins. Roberts DD. **Methods Enzymol** 1987;138:473–83
Isolation and characterization of laminin receptors. von der Mark K, et al. **Methods Enzymol** 1987;144:490–507
Distribution of extracellular matrix proteins in pancreatic ductal adenocarcinoma and its influence on tumor cell proliferation in vitro. Mollenhauer J, et al. **Pancreas** 1987; 2(1):14–24
Altered basement membrane structure of the spleen in hairy cell leukaemia. Demonstration of laminin in hairy cells. Karttunen T, et al. **Pathol Res Pract** 1987 Apr;182(2):233–9
Cranin: a laminin-binding protein of cell membranes. Smalheiser NR, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(18):6457–61
Basement membrane proteins and reticulin in a normal thymus and the thymus in myasthenia gravis. Karttunen T. **Virchows Arch [A]** 1987;411(3):245–52
[Structural proteins in proliferative vitreoretinopathy] Scheiffarth OF, et al. **Fortschr Ophthalmol** 1986;83(5):582–4 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Kinetic analysis of 'rapid onset' neurite formation in NG108-15 cells reveals a dual role for substratum-bound laminin. Smalheiser NR, et al. **Brain Res** 1987 Jul; 431(1):111–21
Effect of adhesion factors fibronectin, laminin, and type IV collagen on spreading and growth of transformed and control rat liver epithelial cells. Junker JL, et al. **Cancer Res** 1987 Jul 15;47(14):3802–7
Response of sensory neurites and growth cones to patterned substrata of laminin and fibronectin in vitro. Gundersen RW. **Dev Biol** 1987 Jun;121(2):423–31
In vivo guidance of regenerating nerve by laminin-coated filaments. Yoshii S, et al. **Exp Neurol** 1987 May; 96(2):469–73
Effects of extracellular matrix components on the growth and differentiation of cultured rat hepatocytes. Sawada N, et al. **In Vitro Cell Dev Biol** 1987 Apr;23(4):267–73
Effects of citric acid and fibronectin and laminin application in treating periodontitis. Smith B, et al. **J Clin Periodontol** 1987 Aug;14(7):396–402
Heparan sulfate proteoglycan and laminin mediate two different types of neurite outgrowth. Hantaz-Ambroise D, et al. **J Neurosci** 1987 Aug;7(8):2293–304

PHYSIOLOGY

Identification of an amino acid sequence in laminin mediating cell attachment, chemotaxis, and receptor binding. Graf J, et al. **Cell** 1987 Mar 27;48(6):989–96
An antibody to a receptor for fibronectin and laminin perturbs cranial neural crest development in vivo. Bronner-Fraser M. **Dev Biol** 1986 Oct;117(2):528–36
The role of laminin and the laminin/fibronectin receptor complex in the outgrowth of retinal ganglion cell axons. Cohen J, et al. **Dev Biol** 1987 Aug;122(2):407–18
A laminin substrate promotes myogenesis in rat skeletal muscle cultures: analysis of replication and development using antidesmin and anti-BrdUrd monoclonal antibodies. Foster RF, et al. **Dev Biol** 1987 Jul;122(1):11–20
Role of laminin and fibronectin in selecting myogenic versus fibrogenic cells from skeletal muscle cells in vitro. Kühl U, et al. **Dev Biol** 1986 Oct;117(2):628–35
A monoclonal antibody that blocks the activity of a neurite regeneration-promoting factor: studies on the binding site and its localization in vivo. Chiu AY, et al. **J Cell Biol** 1986 Oct;103(4):1383–98
Two distinct cell-binding domains in laminin can independently promote nonneuronal cell adhesion and spreading. Goodman SL, et al. **J Cell Biol** 1987 Jul; 105(1):589–98
Support of cultured hepatocytes by a laminin-rich gel. Evidence for a functionally significant subendothelial matrix in normal rat liver. Bissell DM, et al. **J Clin Invest** 1987 Mar;79(3):801–12
A role for the laminin receptor in leukocyte chemotaxis. Bryant G, et al. **J Leukocyte Biol** 1987 Mar;41(3):220–7
Altered levels of laminin receptor mRNA in various human carcinoma cells that have different abilities to bind laminin. Wewer UM, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(19):7137–41
[Laminin: biosynthesis, structure and functions] Lissitzky JC, et al. **Pathol Biol (Paris)** 1986 Oct;34(8):955–63 (90 ref.) (Eng. Abstr.) **(Fre)**

RADIATION EFFECTS

Cell–cell matrix interactions in induced lung injury. IV. Quantitative alterations in pulmonary fibronectin and laminin following X irradiation. Rosenkrans WA Jr, et al. **Radiat Res** 1987 Jan;109(1):127–42

LAMPREYS see under **CYCLOSTOMES**

LANATOSIDES

PHARMACODYNAMICS

Effects of digitalis on cardiopulmonary baroreflex in man. Takeshita A, et al. **Jpn Circ J** 1986 Jul;50(7):671–4

THERAPEUTIC USE

[Practical use of computer technics and nomograms in controlling treatment using digitalis preparations] Bogdanik T, et al. **Pol Arch Med Wewn** 1986 Aug;76(2):80–8 **(Pol)**
[Positive inotropic effect of digitalis on the left ventricular systolic time interval in patients with primary dilated cardiomyopathy observed during increased heart ventricle load] Dubiel JP, et al. **Przegl Lek** 1986;43(6):433–8 (Eng. Abstr.) **(Pol)**

LANDSCAPING, HOSPITAL see **MAINTENANCE AND ENGINEERING, HOSPITAL**

LANGAT VIRUS see under **FLAVIVIRUSES**

LANGERHANS CELLS

The epidermal Langerhans' cell population in psoriasis during topical coal tar therapy. Puttick LM, et al. **Acta Derm Venereol (Stockh)** 1986;66(4):343–6
Grafting of burns with widely meshed autograft split skin and Langerhans cell–depressed allograft split skin overlay. Alsbjörn BF, et al. **Ann Plast Surg** 1986 Dec;17(6):480–4
Pulmonary Hodgkin's disease and Langerhans cell granulomatosis [letter] Flint A, et al. **Chest** 1987 Jul; 92(1):191–2
The coexistence of Langerhans' cell granulomatosis and malignant lymphoma may take different forms: report of seven cases with a review of the literature. Neumann MP, et al. **Hum Pathol** 1986 Oct;17(10):1060–5
[Langerhans cell histiocytosis in childhood—results of the DAL-HX 83 study] Gadner H, et al. **Klin Padiatr** 1987 May–Jun;199(3):173–82 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Reduced density of T6-positive epidermal Langerhans' cells in uninvolved skin of patients with psoriasis. Oxholm A, et al. **Acta Derm Venereol (Stockh)** 1987;67(1):8–11

Langerhans cells in organ-cultured corneas. Holland EJ, et al. **Arch Ophthalmol** 1987 Apr;105(4):542–5
Distribution of Langerhans cells in Swiss Webster mouse skin. Gebara G, et al. **Braz J Med Biol Res** 1986;19(1):131–3
Changes in lymphocyte and Langerhans cell populations in allergic and irritant contact dermatitis. Marks JG Jr, et al. **Int J Dermatol** 1987 Jul–Aug;26(6):354–7
Sex differences in the densities of epidermal Langerhans cells of the mouse. Koyama Y, et al. **J Invest Dermatol** 1987 May;88(5):541–4
Epidermal Langerhans cells undergo mitosis during the early recovery phase after ultraviolet-B irradiation. Miyauchi S, et al. **J Invest Dermatol** 1987 Jun;88(6):703–8
Simultaneous immunoenzyme double labelling using two different enzymes linked directly to monoclonal antibodies or with biotin–avidin. Boorsma DM, et al. **J Microsc** 1986 Aug;143 (Pt 2):197–203
S-100 immunolabelling of Langerhans cells in oral epithelium. Charbit Y, et al. **J Oral Pathol** 1986 Sep; 15(8):419–22
Human gingival Langerhans cells in health and disease. Newcomb GM, et al. **J Periodont Res** 1986 Nov; 21(6):640–52
Epidermal Langerhans cell density and contact sensitivity in young and aged BALB/c mice. Choi KL, et al. **Mech Ageing Dev** 1987 Jun;39(1):69–79
Quantitative assessment of Langerhans cells in actinic keratosis, Bowen's disease, keratoacanthoma, squamous cell carcinoma and basal cell carcinoma. McArdle JP, et al. **Pathology** 1986 Apr;18(2):212–6
Epidermal Langerhans' cells and dermal dendritic cells in human fetal and neonatal skin: an immunohistochemical study. Drijkoningen M, et al. **Pediatr Dermatol** 1987 May; 4(1):11–7
Differential distribution of ATPase– and T6–positive cells (Langerhans cells) in the limbus and cornea of Hereford and non–Hereford cattle. Coulston JA, et al. **Vet Immunol Immunopathol** 1986 Dec;13(4):289–99
Spatial distribution of Langerhans' cells and T–lymphocyte subpopulations in human tympanic membrane and aural cholesteatoma. van Dijk CM, et al. **Virchows Arch [B]** 1986; 52(2):143–52
[Epidermal Langerhans cells originating from the spleen] Chen HD. **Chung Hua I Hsueh Tsa Chih** 1987 Feb; 67(2):99–101 **(Chi)**
[Demonstration of Langerhans cells in the human bronchial epithelium] Richard S, et al. **C R Acad Sci [III]** 1987; 305(2):35–9 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Effect of orally administered aromatic retinoid on murine Langerhans cells. Shiohara T, et al. **Arch Dermatol Res** 1987;279(3):198–203
Langerhans cells—a reduction in numbers and their reappearance following steroid and cytotoxic therapy in humans. Pakes WL, et al. **Clin Exp Dermatol** 1986 Sep; 11(5):450–9
Different cellular reaction patterns of epidermal Langerhans cells after application of contact sensitizing, toxic, and tolerogenic compounds. A comparative ultrastructural and morphometric time-course analysis. Kolde G, et al. **J Invest Dermatol** 1987 Jul;89(1):19–23
[Effect of local PUVA on epidermal Langerhans' cells in guinea pigs] Chen HD. **Chung Hua I Hsueh Tsa Chih** 1986 Nov;66(11):668–70 **(Chi)**

ENZYMOLOGY

Development of ATPase-positive, immature Langerhans cells in the fetal mouse epidermis and their maturation during the early postnatal period. Kobayashi M, et al. **Cell Tissue Res** 1987 May;248(2):315–22

IMMUNOLOGY

Epidermal Langerhans cells in patients with primary Sjögren's syndrome. Oxholm P, et al. **Allergy** 1986 Aug; 41(6):429–34
Possible functional impairment of Langerhans' cells in vitiliginous skin. Reduced ability to elicit dinitrochlorobenzene contact sensitivity reaction and decreased stimulatory effect in the allogeneic mixed skin cell lymphocyte culture reaction. Hatchome N, et al. **Arch Dermatol** 1987 Jan;123(1):51–4
Skin Langerhans cells play an essential role in the defense against HSV–1 infection. Sprecher E, et al. **Arch Virol** 1986; 91(3–4):341–9
Immunogold labelling of epidermal Langerhans cells on tissue sections of normal human skin. De Panfilis G, et al. **Br J Dermatol** 1986 Sep;115(3):351–6
Induction of tolerance via skin depleted of Langerhans cells by a chemical carcinogen. Halliday GM, et al. **Cell Immunol** 1986 Apr 15;99(1):220–7
Sequential immunophenotypic study of lymphoid infiltrate in allergic and irritant reactions. Avnstorp C, et al. **Contact Dermatitis** 1987 May;16(5):239–45
The role of human epidermal Langerhans cells in skin immunity. Braathen LR. **Derm Beruf Umwelt** 1987 Mar–Apr;35(2):58–61
Lymphocytes and Langerhans cells in allergic patch tests. Kanerva L, et al. **Derm Beruf Umwelt** 1987 Jan–Feb; 35(1):17–9
Behavior of cutaneous Langerhans' cells and skin reactivity after gold sodium thiomalate treatment of pemphigus vulgaris. Blitstein-Willinger E. **Dermatologica** 1987; 174(2):68–75
Immunohistochemical study of Langerhans cells in skin tumors. Sudo S, et al. **Dermatologica** 1987;174(2):76–83
Importance of Langerhans cells in the immune origin of carcinoma of the uterine cervix. Bonilla-Musoles F, et al. **Eur J Gynaecol Oncol** 1987;8(1):44–60 (58 ref.)
Langerhans cell presentation of sheep red blood cells induces antibody production. Halliday GM, et al. **Immunol Cell Biol** 1987 Feb;65 (Pt 1):71–6
An antigenic determinant common to lymphocytes and Langerhans cells of the guinea pig. Healey DG, et al. **Int Arch Allergy Appl Immunol** 1987;82(2):120–4
Immunobiology of Langerhans cells on the ocular surface. I. Langerhans cells within the central cornea interfere with induction of anterior chamber associated immune deviation. Williamson JS, et al. **Invest Ophthalmol Vis Sci** 1987 Sep; 28(9):1527–32
Langerhans cells in molluscum contagiosum, verruca vulgaris, plantar wart, and condyloma acuminatum. Bhawan J, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):645–9
In vitro modulation of T6 expression on gingival Langerhans cells by interleukin–1 inhibitors and ETAF. Walsh LJ, et al. **J Dent Res** 1987 Mar;66(3):766–9
Interleukin–1 modulates T6 expression on a putative intra–epithelial Langerhans cell precursor population. Walsh LJ, et al. **J Dent Res** 1986 Dec;65(12):1424–6
Induction and regulation of contact hypersensitivity by resident, bone marrow–derived, dendritic epidermal cells: Langerhans cells and Thy–1+ epidermal cells. Sullivan S, et al. **J Immunol** 1986 Oct 15;137(8):2460–7
Defined in situ enumeration of T6 and HLA–DR expressing epidermal Langerhans cells: morphologic and methodologic aspects. de Jong MC, et al. **J Invest Dermatol** 1986 Dec;87(6):698–702
Human epidermal Langerhans cells internalize by receptor–mediated endocytosis T6 (CD1 "NA1/34") surface antigen. Birbeck granules are involved in the intracellular traffic of the T6 antigen. Hanau D, et al. **J Invest Dermatol** 1987 Aug;89(2):172–7
A monoclonal antibody specifically reactive to human Langerhans cells. Kashihara M, et al. **J Invest Dermatol** 1986 Nov;87(5):602–7
HLA–D region antigen expression by human epidermal Langerhans cells. Sontheimer RD, et al. **J Invest Dermatol** 1986 Dec;87(6):707–10
Differential expression of Class II (DR & DQ) antigens by human gingival Langerhans' cells and keratinocytes in vitro. Walsh LJ, et al. **J Oral Pathol** 1987 Jan;16(1):27–30
Modulation of class II (DR and DQ) antigen expression on gingival Langerhans cells in vitro by gamma interferon and prostaglandin E2. Walsh LJ, et al. **J Oral Pathol** 1986 Jul;15(6):347–51
Herpes simplex virus type 1 pathogenicity in footpad and ear skin of mice depends on Langerhans cell density, mouse genetics, and virus strain. Sprecher E, et al. **J Virol** 1987 Aug;61(8):2515–22
Characterization of nonhuman primate epidermal and dermal dendritic cells with monoclonal antibodies. A study of Langerhans cells and indeterminate cells in the rhesus monkey. Ringler DJ, et al. **Lab Invest** 1987 Mar; 56(3):313–20
Ia+ murine epidermal Langerhans cells are deficient in surface expression of the class I major histocompatibility complex. Caughman SW, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7438–42
Human epidermal Langerhans cells cointernalize by receptor–mediated endocytosis "nonclassical" major histocompatibility complex class I molecules (T6 antigens) and class II molecules (HLA–DR antigens). Hanau D, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2901–5
Langerhans' cells, papillomaviruses and oesophageal carcinoma—a hypothesis. Morris HH, et al. **S Afr Med J** 1987 Mar 21;Suppl:15–8
Human epidermal Langerhans cells and peripheral blood monocytes. Accessory cell function, autoactivating and alloactivating capacity and ETAF/IL–1 production. Räsänen L, et al. **Scand J Immunol** 1986 Nov;24(5):503–8
Effect of Langerhans' cells on cytotoxic T lymphocyte responses to major and minor alloantigens expressed on heterotopic corneal allografts. Peeler JS, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):316–9
[Current data on Langerhans cells] Schmitt D. **Ann Dermatol Venereol** 1986;113(11):1155–9 (31 ref.) **(Fre)**
[The Langerhans cell: outpost of the immune system in the epidermis] Bieber T. **Hautarzt** 1986 Aug;37(8):424–31 (Eng. Abstr.) **(Ger)**
[Immuno–peroxidase study of Langerhans' cells in the normal and fibrotic respiratory system] Miyake H, et al. **Arerugi** 1986 Jul;35(7):475–80 (Eng. Abstr.) **(Jpn)**
[An analysis of the immunologic role of murine tail epidermal and Langerhans cells in the induction of CTL in vitro] Iijima M. **Nippon Hifuka Gakkai Zasshi** 1986 Oct; 96(11):1143–50 **(Jpn)**
[Effect of diethylstilbestrol on contact sensitivity in mice. II. Effect of DES on induction of contact sensitivity by injection with TNP–cells in mice] Yotsumoto H. **Nippon Hifuka Gakkai Zasshi** 1987 May;97(6):711–5 **(Jpn)**

METABOLISM

Arachidonic acid metabolism in guinea pig Langerhans cells: studies on cyclooxygenase and lipoxygenase pathways. Ruzicka T, et al. **J Immunol** 1987 Jan 15;138(2):539–43

MICROBIOLOGY

Epidermal Langerhans cells—a target for HTLV–III/LAV infection. Tschachler E, et al. **J Invest Dermatol** 1987 Feb; 88(2):233–7
The presence of bacteria in the oral epithelium in periodontal disease. III. Correlation with Langerhans cells. Saglie FR, et al. **J Periodontol** 1987 Jun;58(6):417–22
Langerhans cell as primary target and vehicle for transmission of HIV [letter] Niedecken H, et al. **Lancet** 1987 Aug 29;2(8557):519–20

PATHOLOGY

Langerhans' cells in chronic otitis media. Palva T, et al. **Acta Otolaryngol (Stockh)** 1987 May–Jun;103(5–6):448–50
Langerhans' cells in the cervix [letter] Hawthorn RJ, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):213–5
Immunophenotypic characterization of the cutaneous exanthem of SIV–infected rhesus monkeys. Apposition of degenerative Langerhans cells and cytotoxic lymphocytes during the development of acquired immunodeficiency syndrome. Ringler DJ, et al. **Am J Pathol** 1987 Feb; 126(2):199–207
Langerhans' cells in paracoccidioidomycosis. Gimenez MF, et al. **Arch Dermatol** 1987 Apr;123(4):479–81
Langerhans' cells in hair follicles of the depigmenting C57Bl/Ler–vit.vit mouse. A model for human vitiligo. Palkowski MR, et al. **Arch Dermatol** 1987 Aug; 123(8):1022–8
Inflammatory cell subpopulations in chronic otitis media. The Langerhans' cells. Palva T, et al. **Arch Otolaryngol Head Neck Surg** 1987 Feb;113(2):149–54
Langerhans cells in human warts. Chardonnet Y, et al. **Br J Dermatol** 1986 Dec;115(6):669–75
Relative increase of Langerhans cells in 'banal' and dysplastic melanocytic naevi. Sterry W, et al. **Br J Dermatol** 1987 Apr;116(4):511–5
Langerhans' cell density in the normal exocervical epithelium and in the cervical intraepithelial neoplasia. Caorsi I, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):993–8
Subpopulations of Langerhans' cells in cervical neoplasia. Tay SK, et al. **Br J Obstet Gynaecol** 1987 Jan;94(1):10–5
Langerhans cells and prognosis in patients with gastric carcinoma. Tsujitani S, et al. **Cancer** 1987 Feb 1;59(3):501–5
Epidermal keratinocyte Ia expression, Langerhans cell hyperplasia and lymphocytic infiltration in skin lesions of leprosy. Rea TH, et al. **Clin Exp Immunol** 1986 Aug; 65(2):253–9
The response of Langerhans cells in the cornea to herpetic keratitis. Asbell PA, et al. **Curr Eye Res** 1987 Jan; 6(1):179–82
Langerhans cells in epidermodysplasia verruciformis. Haftek M, et al. **Dermatologica** 1987;174(4):173–9
The widespread distribution of Langerhans cells in pathologic tissues: an ultrastructural and immunohistochemical study. Hammar S, et al. **Hum Pathol** 1986 Sep;17(9):894–905
Langerhans cells in the dermal infiltrate of hyperkeratosis lenticularis perstans. Okamoto H, et al. **Int J Dermatol** 1986 Dec;25(10):642–5
Epidermal Langerhans cell density in patients with pulmonary malignancies and chronic obstructive pulmonary disease. Shaieb AM, et al. **J Dermatol Surg Oncol** 1987 Sep;13(9):991–6
Increased densities of Langerhans cells in the epidermis of skin tumors. Yamaji K, et al. **J Dermatol (Tokyo)** 1987 Feb; 14(1):20–4
Expression of HLA–DR molecules by keratinocytes, and presence of Langerhans cells in the dermal infiltrate of active psoriatic plaques. Gottlieb AB, et al. **J Exp Med** 1986 Oct 1;164(4):1013–28
Distribution and turnover of Langerhans cells during delayed immune responses in human skin. Kaplan G, et al. **J Exp Med** 1987 Mar 1;165(3):763–76
Absence of Langerhans cells in oral hairy leukoplakia, an AIDS–associated lesion. Daniels TE, et al. **J Invest Dermatol** 1987 Aug;89(2):178–82
Langerhans cell density in epithelial skin tumors correlates with epithelial differentiation but not with the peritumoral infiltrate. Smolle J, et al. **J Invest Dermatol** 1986 Oct; 87(4):477–9
An immunocytochemical study of the inflammatory cell infiltrate and epithelial expression of HLA–DR in odontogenic cysts. Matthews JB, et al. **J Oral Pathol** 1987 Mar;16(3):112–7
The present and potential role of cell markers in oral diagnosis. Williams DM, et al. **J Oral Pathol** 1987 Apr; 16(4):186–8
Langerhans cells in connective tissue diseases. Goobar JP, et al. **Scand J Rheumatol** 1987;16(4):273–9
In vivo IgG deposits and reduced density of Langerhans cells in the surface epithelium of cervix uteri of patients with primary Sjögren's syndrome. Oxholm P, et al. **Scand J Rheumatol [Suppl]** 1986;61:177–80
Immunohistochemical study of epidermal Langerhans cells and dermal dendritic cells in benign and malignant skin lesions characterized by a dermal lymphoid infiltrate

consisting either of B-cells or T-cells. Drijkoningen M, et al. **Virchows Arch [A]** 1987;411(4):337–43
Quantitative analysis of T6-positive Langerhans cells in human skin cancers. Meissner K, et al. **Virchows Arch [A]** 1986;410(1):57–63
[Langerhans cells and their significance in inflammatory processes] Matarasso S, et al. **Minerva Stomatol** 1987 Jun; 36(6):433–8 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Further evidence for the self-reproducing capacity of Langerhans cells in human skin. Czernielewski JM, et al. **J Invest Dermatol** 1987 Jan;88(1):17–20
Langerhans cell- and T-lymphocyte functions in patients with atopic dermatitis with disseminated cutaneous herpes simplex virus infection. Räsänen L, et al. **J Invest Dermatol** 1987 Jul;89(1):15–8

RADIATION EFFECTS

Quantitative studies of the fate of epidermal Langerhans cells after X-irradiation of guinea-pig and mouse footpad skin. Cole S, et al. **Br J Dermatol** 1987 Jan;116(1):55–65
Surface densities of murine Ia+ dendritic epidermal cells (Ia+DECs) and Thy-1+ dendritic epidermal cells (Thy-1+DECs) in relationship to aging and ultraviolet B (UVB) radiation. Gu SQ, et al. **J Dermatol (Tokyo)** 1986 Dec;13(6):433–9
Long-term effects of local ionizing radiation treatment on Langerhans cells in mouse footpad epidermis. Cole S. **J Invest Dermatol** 1986 Nov;87(5):608–12
Oxygen intermediates are involved in ultraviolet radiation-induced damage of Langerhans cells. Horio T, et al. **J Invest Dermatol** 1987 Jun;88(6):699–702
Effects of exposure to ultraviolet light on epidermal Langerhans cells and melanocytes in Australians of aboriginal, Asian and Celtic descent. Scheibner A, et al. **Photodermatol** 1987 Feb;4(1):5–13

ULTRASTRUCTURE

Ultrastructural and phenotypic changes in Langerhans cells induced in vitro by contact allergens. Picut CA, et al. **Br J Dermatol** 1987 Jun;116(6):773–84
Multinucleate foreign-body giant cell formation. Smetana K Jr. **Exp Mol Pathol** 1987 Jun;46(3):258–65
Langerhans cell interrelationships in normal human cervico-vaginal epithelium. Roig de Vargas-Linares CE, et al. **Microsc Electron Biol Celular** 1985 Dec;9(2):213–33
Freeze-fracture features of epithelioid cells, multinucleated giant cells, and phagocytic macrophages. Investigations using the model of experimental autoimmune (anti-TBM) tubulo-interstitial nephritis. Baum HP, et al. **Virchows Arch [B]** 1987;53(1):13–22
[Ultrastructural study of Langerhans cells in experimental contact allergic reaction (ACP)] Wang BH. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Sep;15(3):196–9 (Eng. Abstr.) **(Chi)**

LANGUAGE

Pain and language. Bagchi AK. **Acta Neurochir [Suppl] (Wien)** 1987;38:182–4
An international test battery for cochlear implant patients. McCabe BF, et al. **Acta Otolaryngol (Stockh)** 1987 May-Jun;103(5–6):637–9
Language of certainty [letter] Kidd R. **AJR** 1987 Mar; 148(3):650–1
Medical mumbo jumbo in the comedies of Molière. Dirckx JH. **Am J Dermatopathol** 1987 Jun;9(3):259–63
Ethnocultural and linguistic bias in mental health evaluation of Hispanics. Malgady RG, et al. **Am Psychol** 1987 Mar; 42(3):228–34
1986 convention booklet. November 21–24, 1986. Detroit. American Speech-Language-Hearing Association. Abstracts. **ASHA** 1986 Oct;28(10):1–196
Bidialectalism? Mandatory or elective? Adler S. **ASHA** 1987 Jan;29(1):41–4
The challenges ahead for the practice of speech-language pathology. Larkins PG. **ASHA** 1986 Sep;28(9):29–30
Speech-language and the fragile X syndrome: initial findings. Wolf-Schein EG, et al. **ASHA** 1987 Jul;29(7):35–8
The rise of medical English [editorial] Smith R. **Br Med J [Clin Res]** 1986 Dec 20–27;293(6562):1591–2
A time sharing cross-sectional study of monolinguals and bilinguals at different levels of second language acquisition. Green A. **Brain Cogn** 1986 Oct;5(4):477–97
Echoic memory and language perception. Ardila A, et al. **Brain Lang** 1986 Sep;29(1):134–40
Agrammatism and the coindexation of traces: comments on Grodzinsky's reply. Caplan D. **Brain Lang** 1987 Jan; 30(1):191–3
Brain functional asymmetry and neural organization of linguistic competence. Chernigovskaya TV, et al. **Brain Lang** 1986 Sep;29(1):141–53
Processing passive sentences in aphasia: deficits and strategies. Friederici AD, et al. **Brain Lang** 1987 Jan; 30(1):93–105
Informative content of narrative discourse in right-brain-damaged right-handers. Joanette Y, et al. **Brain Lang** 1986 Sep;29(1):81–105
An investigation of the ability to process inferences in language following right hemisphere brain damage. McDonald S, et al. **Brain Lang** 1986 Sep;29(1):68–80
Tone production deficits in nonfluent aphasic Chinese speech. Packard JL. **Brain Lang** 1986 Nov;29(2):212–23
Accessibility of case and gender contrasts for agent—object assignment in Broca's aphasics and fluent anomics. Smith S, et al. **Brain Lang** 1987 Jan;30(1):8–32
Visual field asymmetries for rhyme and syntactic category judgments in monolinguals and fluent early and late bilinguals. Vaid J. **Brain Lang** 1987 Mar;30(2):263–77
EEG findings and language patterns in autistic children: clinical correlations. Dorenbaum D, et al. **Can J Psychiatry** 1987 Feb;32(1):31–4
Drug or medication [editorial] Wright IS. **Clin Pharmacol Ther** 1987 Sep;42(3):245–6
Influence of figural complexity on the identification of Kanji and Kana characters. Büssing A, et al. **Cortex** 1987 Jun; 23(2):325–30
Visual half-field presentations of incongruent color words: effects of gender and handedness. Franzon M, et al. **Cortex** 1986 Sep;22(3):433–45
The influences of handedness, sex, familial sinistrality and androgyny on language laterality, verbal ability, and spatial ability. McKeever WF. **Cortex** 1986 Dec;22(4):521–37
Styles of verbal expression of emotional and physical experiences: a study of depressed patients and normal controls in China. Zheng YP, et al. **Cult Med Psychiatry** 1986 Sep;10(3):231–43
ERPs associated with language and hemispheric specialization. A review. Rugg M, et al. **Electroencephalogr Clin Neurophysiol [Suppl]** 1986; 38:273–300 (83 ref.)
Source density analysis of scalp potentials during linguistic and non-linguistic processing of visual stimuli. MacKay DM, et al. **Exp Brain Res** 1986;64(3):451–63
Figurative language: assessment strategies and implications for intervention. Bernstein DK. **Folia Phoniatr (Basel)** 1987; 39(3):130–44 (52 ref.)
Vowel length in thai alaryngeal speech. Gandour J, et al. **Folia Phoniatr (Basel)** 1987;39(3):117–21
Neural mechanism of reading and writing in the Japanese language. Iwata M. **Funct Neurol** 1986 Jan-Mar;1(1):43–52
The language of aging in different age groups. Barbato CA, et al. **Gerontologist** 1987 Aug;27(4):527–31
Mapping of neuropsychological language parameters at surgery. Ojemann GA. **Int Anesthesiol Clin** 1986 Fall; 24(3):115–31
Discourse performance in older adults. North AJ, et al. **Int J Aging Hum Dev** 1986;23(4):267–83
Cross-cultural differences in laterality. Nachshon I. **Int J Neurosci** 1986 Nov;30(4):291–5
Mother tongue, shift of language and psychotherapy. Stern J. **Isr J Psychiatry Relat Sci** 1986;23(3):195–204
An aerodynamic study of Korean stop consonants: measurements and modeling. Dart SN. **J Acoust Soc Am** 1987 Jan;81(1):138–47
The development of skill in producing word-final English stops. Flege JE, et al. **J Acoust Soc Am** 1987 Aug; 82(2):433–47
Measures of phonation type in Hmong. Huffman MK. **J Acoust Soc Am** 1987 Feb;81(2):495–504
Testing a model of intonation in a tone language. Lindau M. **J Acoust Soc Am** 1986 Sep;80(3):757–64
Evidence for mora timing in Japanese. Port RF, et al. **J Acoust Soc Am** 1987 May;81(5):1574–85
Amae as metalanguage: a critique of Doi's theory of amae. Taketomo Y. **J Am Acad Psychoanal** 1986 Oct;14(4):525–44
The fate of sulfites, new rates for nitrites, mates about mites, etc.: civil rights or social rites? By I. Ron Ikkal and Lynn Guist. **J Asthma** 1986;23(6):345–7
"Evaluable" vs "evaluatable": a postscript [letter] Peace KE. **J Chronic Dis** 1987;40(8):825
Pictures in sentences: understanding without words. Potter MC, et al. **J Exp Psychol [Gen]** 1986 Sep;115(3):281–94
Communication, symbolic communication, and language: reply to Seidenberg and Petitto. Savage-Rumbaugh S. **J Exp Psychol [Gen]** 1987 Sep;116(3):288–92
Strategies for visual word recognition and orthographical depth: a multilingual comparison. Frost R, et al. **J Exp Psychol [Hum Percept]** 1987 Feb;13(1):104–15
Patient understanding of commonly used medical vocabulary. Gibbs RD, et al. **J Fam Pract** 1987 Aug;25(2):176–8
Language and diagnosis [editorial] Lipkin M. **J Gen Intern Med** 1987 May-Jun;2(3):207–8
Language and social goals. Gert B, et al. **J Med Philos** 1986 Aug;11(3):257–64
Language, leadership, and power. Henry B, et al. **J Nurs Adm** 1987 Jan;17(1):19–25
Talking to children, foreigners, and retarded adults. DePaulo BM, et al. **J Pers Soc Psychol** 1986 Nov;51(5):945–59
Spatial role-taking ability among bilingual and monolingual kindergarten children. Gorrell J. **J Psycholinguist Res** 1987 Mar;16(2):91–9
Story structure, cohesion, and propositions in story recalls by learning-disabled and nondisabled children. Griffith PL, et al. **J Psycholinguist Res** 1986 Nov;15(6):539–55
The effect of stress on the linguistic generalization of bilingual individuals. Javier RA, et al. **J Psycholinguist Res** 1986 Sep;15(5):419–35
A clinical appraisal of the pragmatic aspects of language. Prutting CA, et al. **J Speech Hear Disord** 1987 May; 52(2):105–19
Analytic study of the Tadoma method: language abilities of three deaf-blind subjects. Chomsky C. **J Speech Hear Res** 1986 Sep;29(3):332–47
Rhythm in Thai esophageal speech. Gandour J, et al. **J Speech Hear Res** 1986 Dec;29(4):563–8
Reaction times of aging subjects to monaural verbal stimuli: some evidence for a reduction in right-hemisphere linguistic processing capacity. Rastatter MP, et al. **J Speech Hear Res** 1987 Jun;30(2):261–7
English as an international language of medicine [editorial] Maher J. **Med Educ** 1987 Jul;21(4):283–4
More on digraphs [letter] **Med J Aust** 1987 Jan 5;146(1):58
Medical use of English [letter] Andrews CJ. **Med J Aust** 1987 Sep 21;147(6):316
Discrimination of normal and aphasic subjects on a test of syntactic comprehension. Caplan D. **Neuropsychologia** 1987;25(1B):173–84
Criterion-specific reduction of verbal fluency in right brain-damaged right-handers. Joanette Y, et al. **Neuropsychologia** 1986;24(6):875–9
Improvement of deficits in mnemonic rhyme for multiplication in Japanese aphasics. Kashiwagi A, et al. **Neuropsychologia** 1987;25(2):443–7
When is between-hemisphere division of labor advantageous? Liederman J, et al. **Neuropsychologia** 1986;24(6):863–74
The development of a German language (Berne) pain questionnaire and its application in a situation causing acute pain. Radvila A, et al. **Pain** 1987 Feb;28(2):185–95
Defining man through language: a theoretical and historical perspective. Hawpe LS, et al. **Pavlov J Biol Sci** 1979 Oct-Dec;14(4):234–42 (59 ref.)
Medical language as symptom: doctor talk in teaching hospitals. Donnelly WJ. **Perspect Biol Med** 1986 Autumn; 30(1):81–94
On aspiration in Swahili: hypotheses, field observations, and an instrumental analysis. Engstrand O, et al. **Phonetica** 1985; 42(4):175–87
Relationship between semivowels and vowels: cross-linguistic investigations of acoustic difference and coarticulation. Maddieson I, et al. **Phonetica** 1985; 42(4):163–74
Cognitive, emotional and behavioral dysfunctions in aging and dementia. Jolles J. **Prog Brain Res** 1986;70:15–39 (100 ref.)
Type and number of violations and the grammatical congruency effect in lexical decision. Lukatela G, et al. **Psychol Res** 1987;49(1):37–43
Digit span, reading rate, and linguistic relativity. Naveh-Benjamin M, et al. **Q J Exp Psychol [A]** 1986 Nov; 38(4):739–51
Linguistic abstraction and hearing handicap. Rönnberg J, et al. **Scand Audiol** 1987;16(2):95–9
Teaching Spanish and cross-cultural sensitivity to medical students. Gonzalez-Lee T, et al. **West J Med** 1987 Apr; 146(4):502–4
[Discrimination of the mother tongue by newborn infants] Mehler J, et al. **C R Acad Sci [III]** 1986;303(15):637–40 (Eng. Abstr.) **(Fre)**
[A Japanese case of crossed aphasia in a right-handed patient. Apropos of kana and kanji] Hamasaki T, et al. **Rev Neurol (Paris)** 1987;143(1):47–54 (Eng. Abstr.) **(Fre)**
[Decline in the use of scientific French must cease] Drapeau AJ. **Union Med Can** 1986 Nov;115(11):808–11 **(Fre)**
[Germanized or etymologic spelling of scientific nomenclature?] Scharf JH. **Gegenbaurs Morphol Jahrb** 1986;132(4):445–60 (Eng. Abstr.) **(Ger)**
[Orthography of Hungarian medical terminology] **Orv Hetil** 1987 Feb 22;128(8):423–32 **(Hun)**
[Asymmetry of visual evoked potentials induced by the stimulation of two syllable nouns] Ninomiya H. **Fukuoka Igaku Zasshi** 1986 Aug;77(8):385–400 (Eng. Abstr.) **(Jpn)**
[Psycholinguistic analysis of the speech of senile dementia patients] Budza VG. **Zh Nevropatol Psikhiatr** 1986; 86(12):1856–9 (Eng. Abstr.) **(Rus)**

LANGUAGE COMPREHENSION TESTS see **LANGUAGE TESTS**

LANGUAGE DELAY see **LANGUAGE DEVELOPMENT DISORDERS**

LANGUAGE DEVELOPMENT

see related
LEARNING
PHONETICS
SPEECH

Mother-child dialogues: considerations of cognitive complexity for young language learning children. Conti-Ramsden G, et al. **Br J Disord Commun** 1986 Aug; 21(2):245–55
Hemisphere asymmetries, spelling ability, and classroom seating in fourth graders. Morton LL, et al. **Brain Cogn** 1987 Jan;6(1):101–11
The effects of linguistic experience on cerebral lateralization for speech production in normal hearing and deaf adolescents. Marcotte AC, et al. **Brain Lang** 1987 Jul; 31(2):276–300
Word learning in children: an examination of fast mapping. Heibeck TH, et al. **Child Dev** 1987 Aug;58(4):1021–34
Parental responses to grammatical and ungrammatical child utterances. Penner SG. **Child Dev** 1987 Apr;58(2):376–84

Joint attention and early language. Tomasello M, et al. **Child Dev** 1986 Dec;57(6):1454–63

Theoretical implications of the hyperlexia syndrome: two new Italian cases. Cossu G, et al. **Cortex** 1986 Dec; 22(4):579–89

Clinical linguistic and auditory milestone scale: prediction of cognition in infancy. Capute AJ, et al. **Dev Med Child Neurol** 1986 Dec;28(6):762–71

The brain in language and reading: research application and interpretation. Sawyer DJ. **Folia Phoniatr (Basel)** 1987; 39(1):38–50

Do event-related potentials (ERPs) reflect right hemisphere's processing of semantics? Rothenberger A, et al. **Int J Neurosci** 1987 Mar;33(1–2):93–101

Relations between sensorimotor attainments and development of language comprehension in retarded children. Cipriani P, et al. **Ital J Neurol Sci** 1986 Apr;Suppl 5:133–41

First stage of language acquisition through two modalities in deaf and hearing children. Volterra V, et al. **Ital J Neurol Sci** 1986 Apr;Suppl 5:109–15

Development of language comprehension in preschool children: a picture identification test in the assessment of the comprehension of grammatical structures. Zardini G, et al. **Ital J Neurol Sci** 1986 Apr;Suppl 5:143–7

Identity formation as reflected in the acquisition of person pronouns. Sharpless EA. **J Am Psychoanal Assoc** 1985; 33(4):861–85

The relation of chronological age of normal children in kindergarten and grade 1 to their performance on the Test for Auditory Comprehension of Language. Brown JR. **J Aud Res** 1985 Apr;25(2):129–32

Linguistic pragmatics and language intervention strategies. Seibert JM, et al. **J Autism Dev Disord** 1981 Mar; 11(1):75–88

Differences in fundamental frequency, jitter, and shimmer among four types of infant vocalizations. Fuller BF, et al. **J Commun Disord** 1986 Dec;19(6):441–7

Sources of meaning in the acquisition of complex syntax: the sample case of causality. Bloom L, et al. **J Exp Child Psychol** 1987 Feb;43(1):112–28

Intraverbal acquisition of semantic concepts by preschoolers. DeBaryshe BD, et al. **J Exp Child Psychol** 1986 Oct; 42(2):169–86

Individuality and mutuality in the language of families of field-dependent and field-independent children. Dreyer AS, et al. **J Genet Psychol** 1987 Mar;148(1):105–17

Words created by children versus aphasic adults: an analysis of their form and communicative effectiveness. Liederman J, et al. **J Genet Psychol** 1986 Sep;147(3):379–93

Talking to children, foreigners, and retarded adults. DePaulo BM, et al. **J Pers Soc Psychol** 1986 Nov;51(5):945–59

Language growth with experience without feedback. Cromer RF. **J Psycholinguist Res** 1987 May;16(3):223–31

When-questions: a study of how children linguistically encode temporal information. Hsu JR, et al. **J Psycholinguist Res** 1987 May;16(3):241–55

Mother's speech to their 1-year-old infants in home and laboratory settings. Stevenson MB, et al. **J Psycholinguist Res** 1986 Sep;15(5):451–61

Assessing communicative intents in young children: low structured observation or elicitation tasks? Coggins TE, et al. **J Speech Hear Disord** 1987 Feb;52(1):44–9

Predicting spoken language acquisition of profoundly hearing-impaired children. Geers AE, et al. **J Speech Hear Disord** 1987 Feb;52(1):84–94

Phonetic development in identical twins differing in auditory function. Kent RD, et al. **J Speech Hear Disord** 1987 Feb; 52(1):64–75

Symbolic play and social participation abilities of language-impaired and normally developing children. Roth FP, et al. **J Speech Hear Disord** 1987 Feb;52(1):17–29

Development of velar consonants among normal two-year-olds. Dyson AT. **J Speech Hear Res** 1986 Dec; 29(4):493–8

A reconsideration of the relation between age and mean utterance length. Scarborough H, et al. **J Speech Hear Res** 1986 Sep;29(3):394–9

Receptive language development in preterm children as related to caregiver-child interaction. Cohen SE, et al. **Pediatrics** 1978 Jan;61(1):16–20

The roles of imagery, language, and metamemory in cross-modal transfer in children. Stoltz-Loike M, et al. **Psychol Res** 1987;49(1):63–8

Linguistic and cognitive sequelae to secretory otitis media in children. Lous J. **Scand Audiol [Suppl]** 1986;26:71–5

[Hearing disorders in the Netherlands: episode-oriented epidemiological data (letter)] Receveur-van der Grinten K. **Ned Tijdschr Geneeskd** 1987 Jun 20;131(25):1099–100 **(Dut)**

[Infanto-juvenile stuttering: a multidisciplinary approach] Almonte C, et al. **Acta Psiquiatr Psicol Am Lat** 1986 Dec; 32(4):297–306 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Attention to central and peripheral visual space in a movement detection task. III. Separate effects of auditory deprivation and acquisition of a visual language. Neville HJ, et al. **Brain Res** 1987 Mar 10;405(2):284–94

LANGUAGE DEVELOPMENT DISORDERS

Developmental language disorders: cognitive processes, semantics, pragmatics, phonology, and syntax. Cromer RF. **J Autism Dev Disord** 1981 Mar;11(1):57–74

Dissociations between language and cognition: cases and implications. Curtiss S. **J Autism Dev Disord** 1981 Mar; 11(1):15–30

On the nature of linguistic functioning in early infantile autism. Tager-Flusberg H. **J Autism Dev Disord** 1981 Mar; 11(1):45–56

Language, social, and cognitive impairments in autism and severe mental retardation. Wing L. **J Autism Dev Disord** 1981 Mar;11(1):31–44

DIAGNOSIS

Phonological process usage by young EMR children and nonretarded preschool children. Klink M, et al. **Am J Ment Defic** 1986 Sep;91(2):190–5

Oral and written language in a case of childhood phonemic deafness. Denes G, et al. **Brain Lang** 1986 Nov;29(2):252–67

Language, speech and hearing in Williams syndrome: intervention approaches and research needs. Meyerson MD, et al. **Dev Med Child Neurol** 1987 Apr;29(2):258–62

Cross-sectional studies of grammatical morphemes in autistic and mentally retarded children. Bartolucci G, et al. **J Autism Dev Disord** 1980 Mar;10(1):39–50

Comparisons between autistic and nonautistic children on the Test for Auditory Comprehension of Language. Beisler JM, et al. **J Autism Dev Disord** 1987 Mar;17(1):95–102

Objectively defined linguistic parameters in children with autism and other developmental disabilities. Needleman R, et al. **J Autism Dev Disord** 1980 Dec;10(4):389–98

The criteria for early use of nonvocal communication systems with nonspeaking autistic children. Nishimura B, et al. **J Autism Dev Disord** 1987 Jun;17(2):243–53

Categorization skills and receptive language development in autistic children. Ungerer JA, et al. **J Autism Dev Disord** 1987 Mar;17(1):3–16

Psychiatric symptomatology in language-impaired children: a comparison. Cantwell DP, et al. **J Child Neurol** 1987 Apr;2(2):128–33

Play diversity and structural relationships in the play and language of language-impaired and language-normal preschoolers: preliminary data. Lombardino LJ, et al. **J Commun Disord** 1986 Dec;19(6):475–89

Story recall and inferencing skills in language/learning-disabled and nondisabled children. Crais ER, et al. **J Speech Hear Disord** 1987 Feb;52(1):50–5

Sensitivity of the Denver Developmental Screening Test in speech and language screening. Borowitz KC, et al. **Pediatrics** 1986 Dec;78(6):1075–8

[Dyslexia and late dyslexia and analphabetism from the otologic-audiologic-phoniatric viewpoint] Böhme G. **Laryngol Rhinol Otol (Stuttg)** 1986 Oct;65(10):581–7 (Eng. Abstr.) **(Ger)**

[Neurologic, psychologic and logopedic follow-up of 6 to 8-year-old former premature infants with a birth weight below 1,501 g] Fritsch G, et al. **Monatsschr Kinderheilkd** 1986 Sep;134(9):687–91 (Eng. Abstr.) **(Ger)**

[Reflections on the early detection of hearing and speech disorders in childhood] Schönknecht M. **Off Gesundheitswes** 1987 Feb;49(2):88–9 (Eng. Abstr.) **(Ger)**

[Diagnosis of the language development status of 3-year-old children. 1. Development of a method] Hortmann K. **Padiatr Grenzgeb** 1987;26(2):133–8 (Eng. Abstr.) **(Ger)**

[Diagnosis of the language development status of 3-year-old children] Hortmann K. **Padiatr Grenzgeb** 1987;26(3):149–57 (Eng. Abstr.) **(Ger)**

[Use of the Heidelberg Language Development Test in disorders of language development in childhood] Tietze M. **Padiatr Grenzgeb** 1986;25(5):395–9 (Eng. Abstr.) **(Ger)**

[Relation of early cognitive and communicative development in healthy and handicapped children] Sarimski K. **Prax Kinderpsychol Kinderpsychiatr** 1987 Jan;36(1):2–7 (Eng. Abstr.) **(Ger)**

[Developmental dyslexia and dysgraphia in two Japanese boys] Koeda T, et al. **No To Hattatsu** 1986;18(6):499–504 **(Jpn)**

[Weaver's syndrome] Duque Fernández MR, et al. **An Esp Pediatr** 1987 Feb;26(2):145–8 **(Spa)**

ETIOLOGY

Medical profile of the language-delayed child: otitis-prone versus otitis-free. Brookhouser PE, et al. **Int J Pediatr Otorhinolaryngol** 1987 Feb;12(3):237–71

The causes of specific developmental language disorder ("development dysphasia"). Bishop DV. **J Child Psychol Psychiatry** 1987 Jan;28(1):1–8

Early language development in infants with cortical and subcortical perinatal brain injury. Janowsky JS, et al. **J Dev Behav Pediatr** 1987 Feb;8(1):3–7

FAMILIAL & GENETIC

Frequencies of language disabilities and their family patterns in Porto Alegre, Brazil. Borges-Osório MR, et al. **Behav Genet** 1987 Jan;17(1):53–69

Family history of children with developmental language disorders. Neils J, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):655–8

PHYSIOPATHOLOGY

Reconciling stable asymmetry with recovery of function: an adaptive systems perspective on functional plasticity. Bullock D, et al. **Child Dev** 1987 Jun;58(3):689–97

Neurobiological aspects of language in children. Witelson SF. **Child Dev** 1987 Jun;58(3):653–88

PSYCHOLOGY

Hemispheric specialization and the language abilities of autistic children. Dawson G, et al. **Child Dev** 1986 Dec; 57(6):1440–53

Comparison of well, emotionally disordered, and behaviorally disordered children with linguistic problems. Baker L, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Mar;26(2):193–6

Joint attention and language in autism and developmental language delay. Loveland KA, et al. **J Autism Dev Disord** 1986 Sep;16(3):335–49

Why do autistic children...? Sullivan RC. **J Autism Dev Disord** 1980 Jun;10(2):231–41

Development of the object permanence concept in cleft lip and palate and noncleft lip and palate infants. Pecyna PM, et al. **J Commun Disord** 1987 Jun;20(3):233–43

The use of nonverbal pragmatic behaviors by language-impaired and normal-speaking children. Rom A, et al. **J Commun Disord** 1983 Jul;16(4):251–6

Equivalence class formation in language-able and language-disabled children. Devany JM, et al. **J Exp Anal Behav** 1986 Nov;46(3):243–57

Responses to requests for clarification in linguistically normal and language-impaired children. Brinton B, et al. **J Speech Hear Disord** 1986 Nov;51(4):370–8

Cognitive strengths and weaknesses in language-impaired children: one more look. Nelson LK, et al. **J Speech Hear Disord** 1987 Feb;52(1):36–43

Symbolic play and social participation abilities of language-impaired and normally developing children. Roth FP, et al. **J Speech Hear Disord** 1987 Feb;52(1):17–29

Acquisition of semantic role by language-disordered children: differences between production and comprehension. Connell PJ. **J Speech Hear Res** 1986 Sep; 29(3):366–74

Symbolization in language impaired children. Snyder LS. **New Dir Child Dev** 1987 Summer;(36):87–108

[Incidence of psychiatric symptoms in 4- to 8-year-old children with unintelligible speech] Amorosa H, et al. **Z Kinder Jugendpsychiatr** 1986;14(4):289–95 (Eng. Abstr.) **(Ger)**

REHABILITATION

Critical comments on "Teaching autistic children to use sign language: some research issues" [letter] Creedon MP. **J Autism Dev Disord** 1980 Jun;10(2):243–4

Increasing the communicator usage skills of a cerebral palsied adolescent. Tarnowski KJ, et al. **J Pediatr Psychol** 1986 Dec;11(4):573–81

[Cochlear implantation in the child?] Lamprecht A. **HNO** 1987 Apr;35(4):163–6 (Eng. Abstr.) **(Ger)**

THERAPY

Specific and nonspecific factors in the effectiveness of a treatment system. Schopler E. **Am Psychol** 1987 Apr; 42(4):376–83

Speech-language pathologists as language-learning disabilities specialists: rites of passage. Comett BS, et al. **ASHA** 1986 Dec;28(12):29–31

The pattern of referral from speech pathologists to child mental health services. Brodie JM. **Aust Clin Rev** 1986 Sep; 6(22):147–50

Training a parent to teach communication skills. A case study. Arnold S, et al. **Behav Modif** 1977 Apr;1(2):259–76

An experimental analysis of language training generalization across classroom and home. Garcia EE, et al. **Behav Modif** 1977 Oct;1(4):531–50

Mands for verbalization. Facilitating the display of newly trained language in children. Rogers-Warren A, et al. **Behav Modif** 1980 Jul;4(3):361–82

Acquisition of sign language by autistic children. III: Generalized descriptive phrases. Carr EG, et al. **J Autism Dev Disord** 1987 Jun;17(2):217–29

Training and generalization of yes and no as mands in two autistic children. Hung DW. **J Autism Dev Disord** 1980 Jun;10(2):139–52

Some perspectives on intervention strategies for persons with developmental disorders. Yoder DE, et al. **J Autism Dev Disord** 1981 Mar;11(1):107–23

A comparison of microcomputer-aided and traditional language therapy for developing communication skills in nonoral toddlers. O'Connor L, et al. **J Speech Hear Disord** 1986 Nov;51(4):356–61

An effect of modeling and imitation teaching procedures on children with and without specific language impairment. Connell PJ. **J Speech Hear Res** 1987 Mar;30(1):105–13

[New aspects of causal therapy of hearing and speech development disorders caused by cleft palate] Koch J, et al. **Monatsschr Kinderheilkd** 1987 Mar;135(3):170–1 (Eng.

Abstr.) (Ger)

LANGUAGE DISORDERS

COMPLICATIONS

Prevalence and type of psychiatric disorder and developmental disorders in three speech and language groups. Cantwell DP, et al. **J Commun Disord** 1987 Apr; 20(2):151–60

[Infantile autism and language disorders. Case of 3 male siblings of whom 2 were monozygotic twins] Le Heuzey MF, et al. **Ann Pediatr (Paris)** 1986 Oct;33(8):687–90 (Eng. Abstr.) (Fre)

DIAGNOSIS

Aprosodia in eight schizophrenic patients. Fricchione G, et al. **Am J Psychiatry** 1986 Nov;143(11):1457–9

The speech–language pathologist's role on the craniofacial team. Schaefer L, et al. **Ear Nose Throat J** 1986 Aug; 65(8):30–42

Figurative language: assessment strategies and implications for intervention. Bernstein DK. **Folia Phoniatr (Basel)** 1987; 39(3):130–44 (52 ref.)

Concurrent validity of two language screening tests. Allen DV, et al. **J Commun Disord** 1987 Aug;20(4):305–17

An assessment technique for children with auditory–language processing problems. Sanger DD, et al. **J Commun Disord** 1987 Aug;20(4):265–79

Language–impaired 4–year–olds: distinguishing transient from persistent impairment. Bishop DV, et al. **J Speech Hear Disord** 1987 May;52(2):156–73

Toward an understanding of developmental language and reading disorders. Kamhi AG, et al. **J Speech Hear Disord** 1986 Nov;51(4):337–47

A clinical appraisal of the pragmatic aspects of language. Prutting CA, et al. **J Speech Hear Disord** 1987 May; 52(2):105–19

ETIOLOGY

Left thalamic infarction and disturbance of verbal memory: a clinicoanatomical study with a new method of computed tomographic stereotaxic lesion localization. Mori E, et al. **Ann Neurol** 1986 Dec;20(6):671–6

The dissolution of language in Alzheimer's disease. Kertesz A, et al. **Can J Neurol Sci** 1986 Nov;13(4 Suppl):415–8

Language deficit and hearing loss in Down's syndrome [letter] Gordon AG. **Child Care Health Dev** 1987 Mar–Apr; 13(2):137–9

Relationship of otitis media and language impairment in adolescents with Down syndrome. Whiteman BC, et al. **Ment Retard** 1986 Dec;24(6):353–6

The detection of errors in sentences after right hemisphere brain damage. Grossman M, et al. **Neuropsychologia** 1987; 25(1B):163–72

The communicative and cognitive deficits following closed–head injury. Irvine L, et al. **S Afr J Commun Disord** 1986;33:49–54

[Infarct in the area of the left anterior cerebral artery. II. Language disorders] Bogousslavsky J, et al. **Rev Neurol (Paris)** 1987;143(2):121–7 (Eng. Abstr.) (Fre)

OCCURRENCE

Speech and language handicap: towards knowing the size of the problem. Enderby P, et al. **Br J Disord Commun** 1986 Aug;21(2):151–65

PHYSIOPATHOLOGY

Linguistic abilities in patients with prefrontal damage. Novoa OP, et al. **Brain Lang** 1987 Mar;30(2):206–25

Cohesion in the discourse of normal and head–injured adults. Mentis M, et al. **J Speech Hear Res** 1987 Mar;30(1):88–98

Interhemispheric communication in a case of total visuo–verbal disconnection. Lindeboom J, et al. **Neuropsychologia** 1986;24(6):781–92

PSYCHOLOGY

Developing linguistic awareness: a theoretically based approach to phonological disorders. Dean E, et al. **Br J Disord Commun** 1986 Aug;21(2):223–38

Interactive play: the frequency of related verbal responses. Craig HK, et al. **J Speech Hear Res** 1986 Sep;29(3):375–83

Episode organization and cohesive conjunctives in narratives of children with and without language disorder. Liles BZ. **J Speech Hear Res** 1987 Jun;30(2):185–96

Language disorders in childhood and adolescence: implications for learning and socialization. Bashir AS, et al. **Pediatr Ann** 1987 Feb;16(2):145–56

THERAPY

Nurturant–naturalistic intervention for language–impaired children: implications for planning lessons and tracking progress. Duchan J F, et al. **ASHA** 1987 Jul;29(7):45–9

Writing your own software: what are the options? Venkatagiri HS. **ASHA** 1987 Jun;29(6):27–9

A hypothesis–testing approach to treatment of a child with an idiosyncratic (morpho)phonological system. Fey ME, et al. **J Speech Hear Disord** 1986 Nov;51(4):324–36

Teaching subjecthood to language–disordered children. Connell PJ. **J Speech Hear Res** 1986 Dec;29(4):481–92

LANGUAGE TESTS

Development of language comprehension in preschool children: a picture identification test in the assessment of the comprehension of grammatical structures. Zardini G, et al. **Ital J Neurol Sci** 1986 Apr;Suppl 5:143–7

The relation of chronological age of normal children in kindergarten and grade 1 to their performance on the Test for Auditory Comprehension of Language. Brown JR. **J Aud Res** 1985 Apr;25(2):129–32

Concurrent validity of two language screening tests. Allen DV, et al. **J Commun Disord** 1987 Aug;20(4):305–17

The interactive nature of auditory comprehension in aphasia. Pierce RS, et al. **J Commun Disord** 1987 Feb;20(1):15–24

Encoding and memory of explicit and implicit information. Zacks RT, et al. **J Gerontol** 1987 Jul;42(4):418–22

Story recall and inferencing skills in language/learning–disabled and nondisabled children. Crais ER, et al. **J Speech Hear Disord** 1987 Feb;52(1):50–5

Lexical judgments after right– or left–hemisphere injury. Chiarello C, et al. **Neuropsychologia** 1986;24(5):623–30

The application of the Peabody Picture Vocabulary Test–revised (PPVT–R) to non–mainstream children. Alant E, et al. **S Afr J Commun Disord** 1986;33:7–14

[Diagnosis of the language development status of 3–year–old children. 1. Development of a method] Hortmann K. **Padiatr Grenzgeb** 1987;26(2):133–8 (Eng. Abstr.) (Ger)

[Use of the Heidelberg Language Development Test in disorders of language development in childhood] Tietze M. **Padiatr Grenzgeb** 1986;25(5):395–9 (Eng. Abstr.) (Ger)

METHODS

Normative data on the Boston Naming Test for a group of normal older adults. Van Gorp WG, et al. **J Clin Exp Neuropsychol** 1986 Dec;8(6):702–5

STANDARDS

Some new data using the English Picture Vocabulary Test (full range version) with a British sample. Bishop DV. **Br J Disord Commun** 1986 Aug;21(2):209–21

[A study of communication ability and assumption of speech language disability grade by using "standard language test of aphasia"] Akasaka K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Jul;89(7):854–63 (Eng. Abstr.) (Jpn)

LANGUAGE THERAPY

A survey of speech and language pathology services for Down syndrome: state of the art. Kumin L. **Appl Res Ment Retard** 1986;7(4):491–9

The role of speech–language pathologists in the habilitation and rehabilitation of cognitively impaired individuals: a report of the Subcommittee on Language and Cognition. **ASHA** 1987 Jun;29(6):53–5

Cues–pause–point language training: teaching echolalics functional use of their verbal labeling repertoires. McMorrow MJ, et al. **J Appl Behav Anal** 1987 Spring; 20(1):11–22

Incidental language teaching: a critical review. Warren SF, et al. **J Speech Hear Disord** 1986 Nov;51(4):291–9 (45 ref.)

[Various aspects of socio–educational integration in hearing deficiencies] Bogdan C, et al. **Rev Chir [Otorinolaringol]** 1987 Apr–Jun;32(2):145–50 (Eng. Abstr.) (Rum)

METHODS

Comparison of formal language therapy with supportive counseling for aphasia due to acute vascular accident. Hartman J, et al. **Arch Neurol** 1987 Jun;44(6):646–9

Cross–cultural and linguistic considerations in working with Asian populations. Cheng LR. **ASHA** 1987 Jun;29(6):33–8

Nurturant–naturalistic intervention for language–impaired children: implications for planning lessons and tracking progress. Duchan J F, et al. **ASHA** 1987 Jul;29(7):45–9

A simultaneous treatment comparison of three expressive language training programs with a mute autistic child. Barrera RD, et al. **J Autism Dev Disord** 1980 Mar; 10(1):21–37

The effectiveness of operant language training with autistic children. Howlin PA. **J Autism Dev Disord** 1981 Mar; 11(1):89–105

A natural language teaching paradigm for nonverbal autistic children. Koegel RL, et al. **J Autism Dev Disord** 1987 Jun; 17(2):187–200

A comparison of microcomputer–aided and traditional language therapy for developing communication skills in nonoral toddlers. O'Connor L, et al. **J Speech Hear Disord** 1986 Nov;51(4):356–61

Developing spontaneous requesting among children with severe mental retardation. Gobbi L, et al. **Ment Retard** 1986 Dec;24(6):357–63

[Computer–assisted training programs in aphasia therapy] de Vries LA. **Tijdschr Gerontol Geriatr** 1987 Apr;18(2):79–80 (Eng. Abstr.) (Dut)

LANGUAGE TRAINING see **LANGUAGE THERAPY**

LANGURS see **CERCOPITHECIDAE**

LANOLIN

ADVERSE EFFECTS

Dangers of the application of lanolin [letter] Nurse DS. **Med J Aust** 1987 May 18;146(10):560

Dangers of the application of lanolin [letter] Rosanove R. **Med J Aust** 1987 Feb 16;146(4):232

ANALOGS & DERIVATIVES

Contact cheilitis to shellac, Lanpol 5 and colophony. Rademaker M, et al. **Contact Dermatitis** 1986 Nov; 15(5):307–8

LANOSTEROL

ANALOGS & DERIVATIVES

A simplified synthesis of 32–oxygenated lanosterol derivatives. Sonoda Y, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan;35(1):394–7

Metabolism of 32–hydroxy–24,25–dihydrolanosterol by purified cytochrome P–45014DM from yeast. Evidence for contribution of the cytochrome to whole process of lanosterol 14 alpha–demethylation. Aoyama Y, et al. **J Biol Chem** 1987 Jan 25;262(3):1239–43

Modulation of 3–hydroxy–3–methylglutaryl–coenzyme A reductase by azole antimycotics requires lanosterol demethylation, but not 24,25–epoxylanosterol formation. Favata MF, et al. **J Biol Chem** 1987 Sep 5;262(25):12254–60

24,25–Epoxysterol metabolism in cultured mammalian cells and repression of 3–hydroxy–3–methylglutaryl–CoA reductase. Taylor FR, et al. **J Biol Chem** 1986 Nov 15; 261(32):15039–44

In situ accumulation of 3 beta–hydroxylanost–8–en–32–aldehyde in hepatocyte cultures. A putative regulator of 3–hydroxy–3–methylglutaryl–coenzyme A reductase activity. Trzaskos JM, et al. **J Biol Chem** 1987 Sep 5; 262(25):12261–8

Regulation of 3–hydroxy–3–methylglutaryl coenzyme A reductase activity and cholesterol biosynthesis by oxylanosterols. Panini SR, et al. **J Lipid Res** 1986 Nov; 27(11):1190–204

Three new lanostanoids from Ganoderma lucidum. Arisawa M, et al. **J Nat Prod** 1986 Jul–Aug;49(4):621–5

METABOLISM

Control of fungal sterol C–24 transalkylation: importance to developmental regulation. Nes WD, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):410–5

Metabolism of 32–hydroxy–24,25–dihydrolanosterol by purified cytochrome P–45014DM from yeast. Evidence for contribution of the cytochrome to whole process of lanosterol 14 alpha–demethylation. Aoyama Y, et al. **J Biol Chem** 1987 Jan 25;262(3):1239–43

Modulation of 3–hydroxy–3–methylglutaryl–coenzyme A reductase by azole antimycotics requires lanosterol demethylation, but not 24,25–epoxylanosterol formation. Favata MF, et al. **J Biol Chem** 1987 Sep 5;262(25):12254–60

Mechanistic studies of lanosterol C–32 demethylation. Conditions which promote oxysterol intermediate accumulation during the demethylation process. Trzaskos JM, et al. **J Biol Chem** 1986 Dec 25;261(36):16937–42

The effect of 3–methylcholanthrene on postlanosterol cholesterol biosynthetic pathways in mouse skin. Kayata Y, et al. **Jpn J Cancer Res** 1987 Jul;78(7):663–9

LANTHANIDES see **METALS, RARE EARTH**

LANTHANUM

DIAGNOSTIC USE

Light microscopical localization of acid and alkaline phosphatase activity by lanthanum–lead–(La–Pb)–methods. Halbhuber KJ, et al. **Acta Histochem (Jena)** 1986; 80(1):35–40

METABOLISM

Muscle cell membranes from early degeneration muscle cell fibers in Solenopsis are leaky to lanthanum: electron microscopy and X–ray analysis. Jones RG, et al. **Anat Rec** 1985 Jun;212(2):123–8

Lanthanum penetration of the trachea after the immediate response of sensitized rats to aerosol antigen. Mukherjee S, et al. **Clin Exp Immunol** 1986 Sep;65(3):647–53

[Behavior of tracer substances in the conjunctival epithelium of the goat. An electron microscopy study] Weyrauch KD, et al. **Berl Munch Tierarztl Wochenschr** 1986 Nov 1; 99(11):378–80 (Eng. Abstr.) (Ger)

[Ultrastructural study of the intercellular junction and lanthanum penetration in the mouse blastocyst] Uehara S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Dec; 38(12):2187–94 (Eng. Abstr.) (Jpn)

[Passage of lanthanum through the milk of contaminated female animals into the offspring] Marciniak M, et al. **Rocz Panstw Zakl Hig** 1986;37(6):512–8 (Pol)

PHARMACODYNAMICS

La3+, Mn2+, and Ni2+ effects on Ca2+ pump and on

Na+–Ca2+ exchange in bullfrog ventricle. Brommundt G, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):C45–51
Effects of vasopressin and La3+ on plasma-membrane Ca2+ inflow and Ca2+ disposition in isolated hepatocytes. Evidence that vasopressin inhibits Ca2+ disposition. Hughes BP, et al. **Biochem J** 1986 Sep 15;238(3):793–800
Effect of ruthenium red upon Ca2+ and Mn2+ uptake in Saccharomyces cerevisise. Comparison with the effect of La3+. van der Pal RH, et al. **Biochim Biophys Acta** 1987 Aug 7;902(1):19–23
Modification of sodium channel currents by lanthanum and lanthanide ions in human heart cells. Bustamante JO. **Can J Physiol Pharmacol** 1987 Apr;65(4):591–7
Effects of hyperthermia and lanthanum on tumor cell leakage. Anghileri LJ, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Jul;25(7):374–8
Red blood cell calcium pump and its inhibition by vanadate and lanthanum. Schatzmann HJ, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 8:S33–7 (22 ref.)
Effect of lanthanum on the release of acetylcholine from the myenteric plexus and on its activation by ouabain and electrical stimulation. Doležal V, et al. **J Neurochem** 1987 Aug;49(2):503–6
Influence of nimodipine, verapamil and lanthanum on histamine release from human basophils: effect of pretreatment with sialidase. Jensen CB, et al. **Pharmacol Toxicol** 1987 Mar;60(3):214–6
Modulation of cytosolic free calcium levels by extracellular phosphate and lanthanum. Korc M, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1282–5
The effect of lanthanum, quercetin and dinitrophenol on calcium-evoked electrical responses in hamster eggs. Georgiou P, et al. **Q J Exp Physiol** 1987 Apr;72(2):227–41

TOXICITY

Cytotoxicity of the rare earth metals cerium, lanthanum, and neodymium in vitro: comparisons with cadmium in a pulmonary macrophage primary culture system. Palmer RJ, et al. **Environ Res** 1987 Jun;43(1):142–56

LANUGO see **HAIR**

LAPAROSCOPY see **PERITONEOSCOPY**

LAPAROTOMY

A study of haemostasis following the use of high doses of hydroxyethyl starch 120 and dextran in major laparotomies. Halonen P, et al. **Acta Anaesthesiol Scand** 1987 May; 31(4):320–4
Gamete intrafallopian transfer (GIFT): use of minilaparotomy and an individualized regimen of induction of follicular development. Asch RH, et al. **Acta Eur Fertil** 1986 May–Jun;17(3):187–93
Effect of incidental appendectomy on the development of wound infection in patients undergoing staging laparotomy for Hodgkin's disease. Morris DM, et al. **Am J Surg** 1987 Feb;153(2):226–9
The importance of laparotomy in the diagnosis and management of intestinal bleeding of obscure origin. Brearley S, et al. **Ann R Coll Surg Engl** 1986 Sep; 68(5):245–8
Lymphocyte function and abdominal operations. Trauma vs elective surgery. Feliciano DV, et al. **Arch Surg** 1987 Jun; 122(6):697–701
The role of second-look laparotomy in the management of patients with Stage II, III and IV ovarian cancers following chemotherapy with cisplatin, adriamycin and cyclophosphamide [letter] Piura B. **Br J Obstet Gynaecol** 1987 Jan;94(1):92–3
New silicone rubber mat: a simple aid for laparotomy wound closure. Peters JL, et al. **Br J Surg** 1987 Jan;74(1):65
Staging laparotomy for inoperable or borderline operable cancer of the rectum. Buhre LM, et al. **Dis Colon Rectum** 1987 May;30(5):352–4
Second-look laparotomy—clinical correlations. Free KE, et al. **Gynecol Oncol** 1987 Mar;26(3):290–7
In vivo study of an antimicrobial surgical drape system. Conn J Jr, et al. **J Clin Microbiol** 1986 Nov;24(5):803–8
A reassessment of the role of second-look laparotomy in advanced ovarian cancer. Ho AG, et al. **J Clin Oncol** 1987 Sep;5(9):1316–21
A second look at second-look laparotomy [editorial] Young RC. **J Clin Oncol** 1987 Sep;5(9):1311–3
Enteral versus parenteral nutritional support following laparotomy for trauma: a randomized prospective trial. Adams S, et al. **J Trauma** 1986 Oct;26(10):882–91
Depressed antigen presentation function and membrane interleukin-1 activity of peritoneal macrophages after laparotomy. Stephan RN, et al. **Surgery** 1987 Aug; 102(2):147–54
Reintervention in abdominal surgery. Krause R. **World J Surg** 1987 Apr;11(2):226–32 (38 ref.)
[Intestinal distention during elective abdominal surgery: should nitrous oxide be banished?] Boulanger A, et al. **Can J Anaesth** 1987 Jul;34(4):346–50 (Eng. Abstr.) **(Fre)**
[Retrospective study of the clinical value of diagnostic laparotomy and splenectomy of patients with Hodgkin's disease in a radiotherapy establishment] Langrock K, et al. **Radiobiol Radiother (Berl)** 1986;27(5):511–7 (Eng. Abstr.) **(Ger)**
[Second-look laparotomy in ovarian cancer] Piura B, et al. **Harefuah** 1987 Jan 1;112(1):25–8 (38 ref.) **(Heb)**
[Guidelines in the technic for closing laparotomies] Villani RD, et al. **Minerva Chir** 1987 Jun 15;42(11):999–1004 (Eng. Abstr.) **(Ita)**
[Role of late laparotomy in Hodgkin's disease] Maurizi Enrici R, et al. **Radiol Med (Torino)** 1987 Jun;73(6):547–50 (Eng. Abstr.) **(Ita)**
[Relation between the stage of peritonitis during general anesthesia and hemodynamics in the mural and mesenteric vessels of the gastrointestinal tract and cardiac hemodynamics] Nazipov AA. **Anesteziol Reanimatol** 1987 Jan–Feb;(1):15–8 (Eng. Abstr.) **(Rus)**
[Complications of postoperative ventral hernias] el'-Dzhamal' M, et al. **Klin Khir** 1987;(2):23–4 (Eng. Abstr.) **(Rus)**
[Treatment of postoperative ventral hernias] Kharaberiush VA, et al. **Klin Khir** 1987;(2):4–7 (Eng. Abstr.) **(Rus)**
[Treatment large ventral and postoperative hernias by the technic of autodermal plasty] Zheleznyĭ VN, et al. **Klin Khir** 1987;(2):22–3 (Eng. Abstr.) **(Rus)**
[Relaparotomy in diabetics] Myshkin KI, et al. **Sov Med** 1986; (8):111–2 **(Rus)**
[Various approaches to the suturing of laparotomy wounds] Kanshin NN, et al. **Vestn Khir** 1986 Nov;137(11):33–7 (Eng. Abstr.) **(Rus)**
[Indications for relaparotomy and its results] Zhitnikova KS, et al. **Vestn Khir** 1987 Apr;138(4):98–103 (Eng. Abstr.) **(Rus)**
[Gynecologic disorders detected during abdominal surgery] Murgaš I. **Rozhl Chir** 1987 Jun;66(6):433–9 (Eng. Abstr.) **(Slo)**
[Evaluation study of laparatomy in Hodgkin's disease] Rivilla Parra F, et al. **An Esp Pediatr** 1987 Jan;26(1):37–9 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

CT diagnosis of occult incisional hernias. Ghahremani GG, et al. **AJR** 1987 Jan;148(1):139–42
Repeated laparotomy for postoperative intra-abdominal sepsis. An analysis of outcome predictors. Butler JA, et al. **Arch Surg** 1987 Jun;122(6):702–6
Incidence of postoperative adhesion obstruction following neonatal laparotomy. Wilkins BM, et al. **Br J Surg** 1986 Sep;73(9):762–4
Current surgical treatment of post-operative eventrations. Stoppa R, et al. **Int Surg** 1987 Jan–Mar;72(1):42–4
A study on the mechanism of the postoperative fall in serum iron concentration. Paterson IM. **J Surg Res** 1986 Dec; 41(6):587–92
Laparotomy enhances intraperitoneal tumor growth and abrogates the antitumor effects of interleukin-2 and lymphokine-activated killer cells. Eggermont AM, et al. **Surgery** 1987 Jul;102(1):71–8
[Exposed fistula of the small intestine, a complication of peritonitis or laparotomy. Apropos of 120 cases] Levy E, et al. **Ann Chir** 1986 Apr;40(3):184–95 (Eng. Abstr.) **(Fre)**
[Treatment of eventration after transverse laparotomy] Obadia JF, et al. **Presse Med** 1986 Dec 13;15(44):2208–9 (Eng. Abstr.) **(Fre)**

METHODS

Mass closure of abdominal incisions and the role of suture technique in wound healing. Rady AM, et al. **Acta Univ Carol [Med] (Praha)** 1985;31(5–6):385–92
Pelvic laparotomy without an indwelling catheter. A retrospective review of 949 cases. Bartzen PJ, et al. **Am J Obstet Gynecol** 1987 Jun;156(6):1426–32
Peritoneal closure after lateral paramedian incision. Gilbert JM, et al. **Br J Surg** 1987 Feb;74(2):113–5
Towards no incisional hernias: lateral paramedian versus midline incisions. Cox PJ, et al. **J R Soc Med** 1986 Dec; 79(12):711–2
[Laparostomy in treating diffuse suppurative peritonitis] Shapot IuB, et al. **Vestn Khir** 1987 Jan;138(1):74–6 **(Rus)**

PSYCHOLOGY

[Laparotomaphilia migrans—a female patient on a Swiss trip] Fey MF. **Schweiz Rundsch Med Prax** 1986 Sep 2; 75(36):1053–5 (Eng. Abstr.) **(Ger)**

VETERINARY

An improved surgical cradle for sheep. Austin ME, et al. **Aust Vet J** 1986 Oct;63(10):346–7
[Changes in the central and peripheral nervous system in cows after laparotomy] Eustachiewicz R, et al. **Pol Arch Weter** 1984;24(2):239–45 (Eng. Abstr.) **(Pol)**

LARVA

Anthrenus sp. The paraffin block eater bug. Jurecka W, et al. **Am J Dermatopathol** 1987 Jun;9(3):204–7

DRUG EFFECTS

[Effect of beta-ecdysterone in competitive cultures of Drosophila melanogaster] Botella LM, et al. **Rev Esp Fisiol** 1987 Mar;43(1):63–8 (Eng. Abstr.) **(Spa)**

GENETICS

Genetic analyses of two new larval color mutants melanotic brown & greenish brown in Culex quinquefasciatus. Suguna SG. **Indian J Med Res** 1986 Oct;84:374–9

IMMUNOLOGY

Late asthmatic reactions due to larvae of Calliphora erythrocephala used as fishing bait. Sestin P, et al. **Allergol Immunopathol (Madr)** 1987 Jan–Feb;15(1):25–8

PARASITOLOGY

[Infestation of Romanomermis culicivorax Ross and Smith, 1976 (Rhabditida, Mermithidae) in larvae of Anopheles (Nyssorhynchus) albimanus Wiedeman, 1821 (Diptera: Culicidae) under laboratory conditions] Santamarina Mijares A, et al. **Rev Cubana Med Trop** 1986 May–Aug; 38(2):193–6 (Eng. Abstr.) **(Spa)**

LARVA MIGRANS

Zoonotic visceral and ocular larva migrans. Glickman LT, et al. **Vet Clin North Am [Small Anim Pract]** 1987 Jan; 17(1):39–53 (54 ref.)

DIAGNOSIS

Ocular larva migrans: a case report. Lyness RW, et al. **Br J Ophthalmol** 1987 May;71(5):396–401

PATHOLOGY

[Parasitic larva as a cause of circumscribed liver lesions. Morphology and differential diagnosis] Kirchner T, et al. **Pathologe** 1987 Jan;8(1):31–6 **(Ger)**

VETERINARY

Multifocal retinitis in New Zealand sheep dogs. Hughes PL, et al. **Vet Pathol** 1987 Jan;24(1):22–7

LARVA MIGRANS, VISCERAL

A case of leucocoria caused by visceral larva migrans. Goel RK. **J R Army Med Corps** 1986 Oct;132(3):159–62
Zoonotic visceral and ocular larva migrans. Glickman LT, et al. **Vet Clin North Am [Small Anim Pract]** 1987 Jan; 17(1):39–53 (54 ref.)

COMPLICATIONS

Presumed Toxocara canis with peripheral retinal granuloma and secondary macular hole. Richer SP, et al. **J Am Optom Assoc** 1987 May;58(5):404–7

DIAGNOSIS

Human toxocariasis. Review with report of a probable case. Morris PD, et al. **Postgrad Med** 1987 Jan;81(1):263–7 (17 ref.)
Serodiagnosis of ocular toxocariasis: a comparison of specific IgE and IgG [letter] Genchi C, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):993–4
[Differential diagnosis between retinoblastoma and ocular toxocariasis] Van Nerom PR, et al. **J Fr Ophtalmol** 1987; 10(4):279–82 (Eng. Abstr.) **(Fre)**
[New elements in the symptomatology of visceral larva migrans] Magnaval JF. **Presse Med** 1987 Feb 7;16(4):151–4 (Eng. Abstr.) **(Fre)**
[Visceral larva migrans syndrome (toxocariasis). 2 cases in childhood] Aimasso E, et al. **Minerva Pediatr** 1987 Jun 30;39(11–12):521–4 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Toxocara canis infection of children: epidemiologic and neuropsychologic findings. Marmor M, et al. **Am J Public Health** 1987 May;77(5):554–9
Use of bronchoalveolar lavage to compare local pulmonary immunity with the systemic immune response of Toxocara canis–infected mice. Kayes SG, et al. **Infect Immun** 1987 Sep;55(9):2132–6
[Toxocariasis: experience based on a 6-year serologic study] Lengyel A. **Orv Hetil** 1987 Feb 1;128(5):259–62 (Eng. Abstr.) **(Hun)**

OCCURRENCE

Visceral larva migrans in French adults: a new disease syndrome? Glickman LT, et al. **Am J Epidemiol** 1987 Jun; 125(6):1019–34
Toxocara canis infestation. Clinical and epidemiological associations with seropositivity in kindergarten children. Ellis GS Jr, et al. **Ophthalmology** 1986 Aug;93(8):1032–7

PATHOLOGY

Visceral larva migrans involving the myocardium: report of two cases and review of literature. Dao AH, et al. **Pediatr Pathol** 1986;6(4):449–56

RADIOGRAPHY

[Toxocariasis (visceral larva migrans) of the liver. The computed tomographic aspects] Friedrich M, et al. **ROFO** 1987 May;146(5):600–2 **(Ger)**

THERAPY

Indications for treatment. Apt W. **Int J Parasitol** 1987 Feb; 17(1):141–9 (60 ref.)

TRANSMISSION

[Larva migrans visceralis—occurrence of ascarid eggs in sandboxes in the East German district city of Cottbus] Knaus BU, et al. **Angew Parasitol** 1987 May;28(2):81–3 (Eng. Abstr.) **(Ger)**

LARYNGEAL CARTILAGES

Cricoarytenoid arthritis: a cause of laryngeal obstruction. Leicht MJ, et al. **Ann Emerg Med** 1987 Aug;16(8):885–8 (81 ref.)

Cricoid pressure. How, when, and why. Fezer SJ 3d. **AORN J** 1987 Jun;45(6):1374–7

Cricoid pressure with or without the "cricoid yoke"Lawes EG. **Br J Anaesth** 1986 Dec;58(12):1376–9

Cartilagenous tumours of the larynx. Tiwari RM, et al. **J Laryngol Otol** 1987 Mar;101(3):266–75

Severe airway obstruction caused by laryngeal rheumatoid arthritis. Geterud A, et al. **J Rheumatol** 1986 Oct; 13(5):948–51

Stridor due to cricoarytenoid arthritis in pauciarticular onset juvenile rheumatoid arthritis. Malleson P, et al. **J Rheumatol** 1986 Oct;13(5):952–3

Presentation and management of postcricoid hemangiomata in infancy. Goldsmith MM 3d, et al. **Laryngoscope** 1987 Jul;97(7 Pt 1):851–3

ABNORMALITIES

Treatment of congenital cricoid stenosis. Berkovits RN, et al. **Prog Pediatr Surg** 1987;21:20–8

ANATOMY & HISTOLOGY

Attachment of some internal laryngeal muscles at the base of the arytenoid cartilage. Mossallam I, et al. **Acta Otolaryngol (Stockh)** 1987 May–Jun;103(5–6):649–56

India ink pinprick experiments on surface organization of cricoarytenoid joints. Kahane JC, et al. **J Speech Hear Res** 1986 Dec;29(4):544–8

India ink pinprick assessment of age–related changes in the cricoarytenoid joint (CAJ) articular surfaces. Kahn AR, et al. **J Speech Hear Res** 1986 Dec;29(4):536–43

MRI of normal or cancerous laryngeal cartilages: histopathologic correlation. Castelijns JA, et al. **Laryngoscope** 1987 Sep;97(9):1085–93

GROWTH & DEVELOPMENT

A histologic study of the growth of the subglottis after endolaryngeal trauma. Adriaansen FC, et al. **Int J Pediatr Otorhinolaryngol** 1986 Dec;12(2):205–15

A morphometric study of the growth of the subglottis after endolaryngeal trauma. Adriaansen FC, et al. **Int J Pediatr Otorhinolaryngol** 1986 Dec;12(2):217–26

INJURIES

Cricoarytenoid subluxation, computed tomography, and electromyography findings. Close LG, et al. **Head Neck Surg** 1987 Jul–Aug;9(6):341–8

[Injuries to laryngeal articulations in strangulation and throttling] Maxciner H. **Arch Kriminol** 1987 Jan–Feb; 179(1–2):38–44 (Eng. Abstr.) **(Ger)**

[Therapy of ankylosis of the cricoarytenoid joint following intubation] Johannsen HS, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Feb;66(2):82–3 (Eng. Abstr.) **(Ger)**

[Diagnostic effectiveness of CT in the detection of recent changes after injuries of the larynx] Wilamski E, et al. **Pol Przegl Radiol (Warszawa)** 1986 Nov–Dec;50(6):303–9 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Abnormal growth of the thyroid cartilage in the DiGeorge syndrome. Wells TR, et al. **Pediatr Pathol** 1986; 6(2–3):209–25

SURGERY

A comparison between two emergency cricothyroidotomy instruments. Ravlo O, et al. **Acta Anaesthesiol Scand** 1987 May;31(4):317–9

Porous hydroxylapatite–perichondrium graft in cricoid reconstruction. Verwoerd CD, et al. **Acta Otolaryngol (Stockh)** 1987 May–Jun;103(5–6):496–502

Supracricoid hemilaryngopharyngectomy. Analysis of 240 cases. Laccourreye H, et al. **Ann Otol Rhinol Laryngol** 1987 Mar–Apr;96(2 Pt 1):217–21

Experience with partial cricoid resection and thyrotracheal anastomosis. Pearson FG, et al. **Ann Otol Rhinol Laryngol** 1986 Nov–Dec;95(6 Pt 1):582–5

Airway growth following cricotracheal resection in puppies. Sullivan MJ, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jun;113(6):606–11

Evaluation of an emergency cricothyrotomy instrument. Bjoraker DG, et al. **Crit Care Med** 1987 Feb;15(2):157–60

Evaluation of Nu–trake [letter] Weiss S. **Crit Care Med** 1987 Feb;15(2):183–4

Anterior cricoid split: the Chicago experience with an alternative to tracheotomy. Holinger LD, et al. **Laryngoscope** 1987 Jan;97(1):19–24

Neodymium (Nd):YAG laser surgery in the equine larynx: a pilot study. Tate LP, et al. **Lasers Surg Med** 1986; 6(5):473–6

Experimental laryngeal reconstruction with preformed composite graft. Ohlsén L, et al. **Scand J Plast Reconstr Surg** 1986;20(3):259–71

[Functional subtotal laryngectomy with cricohyodopexy] Piquet JJ. **Acta Otorhinolaryngol Ital** 1986 Jul–Aug; 6(4):345–56 (Eng. Abstr.) **(Fre)**

[Partial supracricoid laryngectomy. Technics, indications and results] Laccourreye H, et al. **Ann Otolaryngol Chir Cervicofac** 1987;104(3):163–73 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Observations on the structure and the biomechanics of the cricothyroid articulation. Vilkman EA, et al. **Acta Otolaryngol (Stockh)** 1987 Jan–Feb;103(1–2):117–26

LARYNGEAL DISEASES

see related
OTORHINOLARYNGOLOGIC DISEASES

[Scleroma of the upper respiratory tract. Apropos of a case of laryngeal localization] Dellagi K, et al. **Med Trop (Mars)** 1986 Oct–Dec;46(4):365–9 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Asphyxiating laryngeal cyst. Harruff RC, et al. **Am J Forensic Med Pathol** 1987 Mar;8(1):68–70

Unexpected difficult intubation. Asymptomatic epiglottic cysts as a cause of upper airway obstruction during anaesthesia. Mason DG, et al. **Anaesthesia** 1987 Apr; 42(4):407–10

An unusual airway complication with sarcoidosis. Wills MH, et al. **Anesthesiology** 1987 Apr;66(4):554–5

Laryngeal cyst–causing haemoptysis. An unusual presentation. Yadav SP, et al. **Indian J Chest Dis Allied Sci** 1986 Jan–Mar;28(1):50–1

The posterior crico–arytenoid muscle in two cases of Shy–Drager syndrome with laryngeal stridor. Comparison of the histological, histochemical and biometric findings. DeReuck J, et al. **J Neurol** 1987 Apr;234(3):187–90

[Asphyxic pulmonary edema caused by upper airway obstruction in adults] Bauer P, et al. **Ann Fr Anesth Reanim** 1987;6(3):209–10 (Eng. Abstr.) **(Fre)**

CONGENITAL

[Laryngo–tracheo–bronchoscopy in the newborn infant. 10 years' review] Minnigerode B, et al. **Ann Otolaryngol Chir Cervicofac** 1986;103(6):417–20 (Eng. Abstr.) **(Fre)**

[Laryngocele] Fortuny JC, et al. **An Otorrinolaringol Ibero Am** 1987;14(4):453–61 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Aneurysmal bone cyst of the larynx. Schilling HE, et al. **Am J Otolaryngol** 1986 Sep–Oct;7(5):370–4

Laryngeal problems in children. Fearon B. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb;96(1 Pt 1):124–6

Current management of lesions of the pediatric larynx. Healy GB. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb;96(1 Pt 1):122–3

Laryngeal sarcoidosis in a young child. Mochizuki H, et al. **Clin Pediatr (Phila)** 1987 Sep;26(9):486–8

Normalized noise energy as an acoustic measure to evaluate pathologic voice. Kasuya H, et al. **J Acoust Soc Am** 1986 Nov;80(5):1329–34

Wheezing and upper airway obstruction; subglottic cyst masquerading as asthma. Littlewood SC, et al. **J La State Med Soc** 1986 Oct;138(10):13–5

Simplified endoscopic photography for anatomic correlation with CT and MR of the larynx and pharynx. Lufkin R, et al. **Surg Radiol Anat** 1986;8(4):265–8

Phoniatrical evaluation of various laryngeal disorders. Kim GR, et al. **Yonsei Med J** 1986;27(1):41–8

[Indications and technics of laryngo–tracheo–bronchoscopy in newborn infants] Minnigerode B, et al. **HNO** 1986 Sep; 34(9):368–71 (Eng. Abstr.) **(Ger)**

[The 3–dimensional voice field] Klingholz F, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Oct;65(10):588–91 (Eng. Abstr.) **(Ger)**

[2 cases of amyloid tumor of the larynx] Bartnik W. **Otolaryngol Pol** 1986;40(6):457–61 (Eng. Abstr.) **(Pol)**

[A case of amyloidosis limited exclusively to the larynx] Czarnowski J. **Otolaryngol Pol** 1986;40(2):137–9 (Eng. Abstr.) **(Pol)**

[Local anesthesia in direct exploratory microlaryngoscopy] Mashkova TA, et al. **Vestn Otorinolaringol** 1987 May–Jun; (3):37–9 (Eng. Abstr.) **(Rus)**

[Cysts of the laryngeal ventricle] Gil Tutor E. **An Otorrinolaringol Ibero Am** 1987;14(1):97–103 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Steroids for airway problems in glandular fever. Sudderick RM, et al. **J Laryngol Otol** 1987 Jul;101(7):673–5

Treatment of otolaryngological mycoses with Nizoral. Zelen B. **Ther Hung** 1985;33(3):156–9

EMBRYOLOGY

The endoscopic and surgical management of pyriform sinus fistulae in infants and children [letter] Cahit Tanyel F, et al. **J Pediatr Surg** 1987 Feb;22(2):188

ETIOLOGY

Esophageal reflux and dysmotility as the basis for persistent cervical symptoms. Ossakow SJ, et al. **Ann Otol Rhinol Laryngol** 1987 Jul–Aug;96(4):387–92

Abnormal sensations of the pharyngo–larynx. Ishiyama E, et al. **Auris Nasus Larynx** 1986;13 Suppl 1:S105–13

Posterior glottic pathology. Benjamin B. **Int J Pediatr Otorhinolaryngol** 1986 Nov;12(1):23–31

Analysis of a polytef granuloma mimicking a cold thyroid nodule 17 months after laryngeal injection. Sanfilippo F, et al. **Ultrastruct Pathol** 1980 Oct–Dec;1(4):471–5

[Laryngeal manifestations of sarcoidosis] Remacle M, et al. **Acta Otorhinolaryngol Belg** 1986;40(6):889–906 (Eng. Abstr.) **(Fre)**

[Laryngeal complications of endotracheal intubation] Dutoit–Marco ML, et al. **Ann Fr Anesth Reanim** 1987; 6(3):182–94 (102 ref.) **(Fre)**

[Severe subglottic edema caused by bird breeder's disease?] Vergnon JM, et al. **Rev Pneumol Clin** 1986;42(3):157–9 (Eng. Abstr.) **(Fre)**

[Post–intubation subglottic hematoma (letter)] Coromina Isern J, et al. **Rev Esp Anestesiol Reanim** 1986 Nov–Dec; 33(6):458–9 **(Spa)**

PARASITOLOGY

[Occurrence of a new case of human syngamiasis in São Paulo, Brazil] Santos VA, et al. **Rev Inst Med Trop Sao Paulo** 1986 Sep–Oct;28(5):358–63 (Eng. Abstr.) **(Por)**

PATHOLOGY

The development of flexible fiberoptic video nasendoscopy (FFVN). Clinical–teaching–research applications. Wilson FB, et al. **ASHA** 1986 Nov;28(11):25–30

Diffuse amyloidosis of the larynx. Hardingham M. **Ear Nose Throat J** 1987 Feb;66(2):61–3

A simple and inexpensive method for laryngeal photography with the operating microscope. Kambič V, et al. **J Laryngol Otol** 1986 Nov;100(11):1269–72

Laryngeal cysticercosis. Tami TA, et al. **Otolaryngol Head Neck Surg** 1987 Mar;96(3):289–91

Junctional epidermolysis bullosa of the larynx [letter] Gonzalez A, et al. **Pediatrics** 1987 Jun;79(6):1051–2

Oncocytic cyst of the larynx. A case report. Samuel J, et al. **S Afr Med J** 1986 Nov 22;70(11):695–6

Ultrastructural pathology [letter] Crow J. **Ultrastruct Pathol** 1980 Oct–Dec;1(4):583–7

[Local tumor–like amyloidosis of the larynx] Zhuravlev AP, et al. **Arkh Patol** 1987;49(3):65–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Blood flow in respiratory muscles during maximal exertion in ponies with laryngeal hemiplegia. Manohar M. **J Appl Physiol** 1987 Jan;62(1):229–37

RADIOGRAPHY

Chronic airway obstruction in children: evaluation with cine–CT. Frey EE, et al. **AJR** 1987 Feb;148(2):347–52

Asymptomatic laryngocele: incidence and association with laryngeal cancer. Close LG, et al. **Ann Otol Rhinol Laryngol** 1987 Jul–Aug;96(4):393–9

Progressive stridor and hoarseness in a young black woman. Picus D, et al. **Invest Radiol** 1987 Apr;22(4):338–41

A bilateral mixed laryngocele: CT findings. Muto R, et al. **Rays** 1986 May–Aug;11(2):69–71

[Dual–energy digital radiography in laryngeal disorders] Kawashima A, et al. **Rinsho Hoshasen** 1987 May; 32(5):593–6 (Eng. Abstr.) **(Jpn)**

SURGERY

The CO2 laser in the laryngeal microsurgery. Motta G, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1986;433:1–30

Epiglottoplasty for the treatment of laryngomalacia. Zalzal GH, et al. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb;96(1 Pt 1):72–6

Percutaneous transtracheal ventilation for laser endoscopic procedures in infants and small children with laryngeal obstruction: report of two cases. Ravussin P, et al. **Can J Anaesth** 1987 Jan;34(1):83–6

Artificial sapphire contact endoprobe with Nd–YAG laser in the treatment of subglottic stenosis [letter] Mehta AC, et al. **Chest** 1987 Mar;91(3):473–4

Special pediatric airway problems. Stehling LC. **Contemp Anesth Pract** 1987;9:97–113 (23 ref.)

Laryngomalacia. A review and the surgical management for severe cases. Solomons NB, et al. **Int J Pediatr Otorhinolaryngol** 1987 Jun;13(1):31–9 (20 ref.)

Laser treatment of primary amyloidosis of the larynx.

McIlwain JC, et al. **J Laryngol Otol** 1986 Sep; 100(9):1079–80

Reinke's oedema: a premalignant condition? Moesgaard Nielsen V, et al. **J Laryngol Otol** 1986 Oct;100(10):1159–62

Safe anesthesia for endoscopic laryngeal laser surgery. Anand VK, et al. **Lasers Surg Med** 1987;7(3):275–7

High frequency ventilation for suspension laryngomicrosurgery under general anesthesia. Kim WO, et al. **Yonsei Med J** 1986;27(1):25–9

[Experiences with catheter jet ventilation in interventions of the larynx and trachea] Hanf L, et al. **Anaesthesiol Reanim** 1987;12(3):151–7 (Eng. Abstr.) **(Ger)**

[Normofrequent jet ventilation for microlaryngoscopy and endolaryngeal microsurgery—introduction of a set of ventilating tubes and clinical experiences] Weber F, et al. **Anaesthesiol Reanim** 1987;12(3):145–50 (Eng. Abstr.) **(Ger)**

[Vocal function after laser therapy] Heipcke T, et al. **HNO** 1987 Jun;35(6):234–41 (Eng. Abstr.) **(Ger)**

[Tactics of the thoracic surgeon and otorhinolaryngologist in reconstructive surgery of the larynx and trachea] Koroleva NS, et al. **Sov Med** 1986;(11):19–22 (Eng. Abstr.) **(Rus)**

[Experience with endolaryngeal microsurgery] Khechinashvili SN, et al. **Vestn Otorinolaringol** 1987 May–Jun;(3):33–7 (Eng. Abstr.) **(Rus)**

[Recurrent solitary keratoacanthoma of the larynx] Sidel'man KN, et al. **Vestn Otorinolaringol** 1986 Sep–Oct;(5):77–8 **(Rus)**

THERAPY

Hyperbaric oxygen therapy for laryngeal radionecrosis. Ferguson BJ, et al. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb;96(1 Pt 1):1–6

Division of the recurrent laryngeal nerve for idiopathic laryngeal spasm. Hassard AD, et al. **J Otolaryngol** 1987 Jun;16(3):185–7

[The larynx, the trachea] **Arch Otorhinolaryngol [Suppl]** 1986; 2:146–59 **(Ger)**

[Treatment of glottic insufficiency with intracordal implant of hydron gel: phoniatric evaluation] Accordi M, et al. **Acta Otorhinolaryngol Ital** 1987 Jan–Feb;7(1):87–100 (Eng. Abstr.) **(Ita)**

VETERINARY

Parasitic laryngeal papillomatosis in a horse. Lane JG, et al. **Vet Rec** 1986 Dec 13;119(24):591–3

LARYNGEAL EDEMA

PHYSIOPATHOLOGY

Phonatory characteristics associated with bilateral diffuse polypoid degeneration. Bennett S, et al. **Laryngoscope** 1987 Apr;97(4):446–50

RADIOGRAPHY

[Diagnostic effectiveness of CT in the detection of recent changes after injuries of the larynx] Wilamski E, et al. **Pol Przegl Radiol (Warszawa)** 1986 Nov–Dec;50(6):303–9 (Eng. Abstr.) **(Pol)**

LARYNGEAL MUCOSA see under **LARYNX**

LARYNGEAL MUSCLES see under **MUSCLES**

LARYNGEAL NEOPLASMS

Non-Hodgkin's lymphoma of the larynx in children. Cohen SR, et al. **Ann Otol Rhinol Laryngol** 1987 Jul–Aug; 96(4):357–61

Primary non-Hodgkin's lymphoma of larynx (a case report). Ghosh KC, et al. **J Postgrad Med** 1986 Apr;32(2):103–4

Epithelial–myoepithelial carcinoma of the subglottic region: a case presentation and review of the literature. Mikaelian DO, et al. **Otolaryngol Head Neck Surg** 1986 Jul; 95(1):104–6

[Excess occurrence of lung cancer in a population of patients with laryngeal cancer from 3 Danish counties] Jørgensen K, et al. **Ugeskr Laeger** 1986 Sep 29;148(40):2569–71 (Eng. Abstr.) **(Dan)**

[Metastasis of laryngeal cancer to the radius] Bitiutskiĭ PG, et al. **Vestn Otorinolaringol** 1987 May–Jun;(3):74–5 **(Rus)**

[Laryngeal papillomatosis] Gil Tutor E. **An Otorrinolaringol Ibero Am** 1987;14(1):81–95 (Eng. Abstr.) **(Spa)**

ANALYSIS

Androgen receptors in normal and neoplastic laryngeal tissue. Večerina-Volić S, et al. **Arch Otolaryngol Head Neck Surg** 1987 Apr;113(4):411–3

Expression of low molecular weight cytokeratins in the neoplastic vocal cord. Terry RM, et al. **J Laryngol Otol** 1986 Nov;100(11):1279–82

Distinctive immunohistochemical labeling of epithelial and mesenchymal elements in laryngeal pseudosarcoma. Ophir D, et al. **Laryngoscope** 1987 Apr;97(4):490–4

Human papillomavirus-11 DNA in a patient with chronic laryngotracheobronchial papillomatosis and metastatic squamous-cell carcinoma of the lung. Byrne JC, et al. **N Engl J Med** 1987 Oct 1;317(14):873–8

[Demonstration and organizational structure of the DNA of human papillomaviruses in laryngeal and hypopharyngeal carcinomas] Stremlau A, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Jun;66(6):311–5 (Eng. Abstr.) **(Ger)**

BLOOD

Serum vitamin A levels in patients with untreated T1 or T2 squamous carcinoma of the larynx: a pilot study. Mugliston T, et al. **ORL J Otorhinolaryngol Relat Spec** 1986; 48(5):261–4

[Lipid-bound sialic acid: a biological indicator of laryngeal neoplasia] Galioto GB, et al. **Acta Otorhinolaryngol Ital** 1985 Sep–Oct;5(5):507–14 (Eng. Abstr.) **(Ita)**

[Circulating immune complex (CIC) and carcinoembryonic antigen (CEA) levels in the serum of patients with laryngeal and pharyngo-laryngeal cancer] Basterra J, et al. **An Otorrinolaringol Ibero Am** 1987;14(3):327–36 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

[Vascularization—a prognostic indicator of radiation sensitivity of laryngeal cancer] Balmukhanov SB, et al. **Med Radiol (Mosk)** 1986 Dec;31(12):19–22 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Laryngeal papillomas: classification and course. Lindeberg H, et al. **Clin Otolaryngol** 1986 Dec;11(6):423–9

COMPLICATIONS

Respiratory failure and death in an elderly man with laryngeal cancer [clinical conference] **Am J Med** 1987 May; 82(5):979–88

Syndrome of inappropriate antidiuretic hormone secretion in pyriform sinus squamous cell carcinoma [letter] Kandylis KV, et al. **Am J Med** 1986 Nov;81(5):946

Tracheobronchial papillomatosis [letter] Gemmell LW. **Anaesth Intensive Care** 1986 Nov;14(4):465

A rare cause of unexpected difficult intubation [letter] Chopra V. **Anaesthesia** 1986 Nov;41(11):1158

Asymptomatic laryngocele: incidence and association with laryngeal cancer. Close LG, et al. **Ann Otol Rhinol Laryngol** 1987 Jul–Aug;96(4):393–9

Hyperbaric oxygen therapy for laryngeal radionecrosis. Ferguson BJ, et al. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb;96(1 Pt 1):1–6

Endocrine complications of laryngeal and pharyngeal cancer. Smith KS, et al. **J Laryngol Otol** 1987 Mar;101(3):276–82

Extensive form of progressive multifocal leucoencephalopathy associated with laryngeal carcinoma. Louarn F, et al. **J Neurol** 1987 Feb;234(2):107–11

A rare, resectable cause of progressive obstructive airways diseases. Jones AS, et al. **J R Coll Surg Edinb** 1986 Oct; 31(5):319–21

[Suprascapular and axillary subcutaneous emphysema after perforation of a pharyngolaryngeal cancer] Sagui M, et al. **J Radiol** 1986 Nov;67(11):827–8 (Eng. Abstr.) **(Fre)**

[Vasodepressor syncopes in metastasizing laryngeal cancer. Combination therapy using an AV sequential pacemaker and ephedrine] Punzengruber C, et al. **Acta Med Austriaca** 1986;13(3):79–81 (Eng. Abstr.) **(Ger)**

[Infantile laryngeal papillomatosis: its tracheal and bronchial complications] Stura M, et al. **Minerva Pediatr** 1987 Feb 28;39(3–4):143–6 (Eng. Abstr.) **(Ita)**

[Tuberculosis and cancer of the larynx—concomitant diseases] Cvetnić V, et al. **Plucne Bolesti** 1986 Jan–Mar; 38(1):46–8 (Eng. Abstr.) **(Scr)**

[Lymphangioma of the larynx as a cause of progressive dyspnea] Clarós P, et al. **An Otorrinolaringol Ibero Am** 1986;13(4):379–86 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Carcinoid (neuroendocrine carcinoma) of the larynx. Baugh RF, et al. **Ann Otol Rhinol Laryngol** 1987 May–Jun;96(3 Pt 1):315–21

Management of plexiform neurofibroma of the larynx. Sidman J, et al. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb; 96(1 Pt 1):53–5

Intralaryngeal nevus in a child. A case report. Seals JL, et al. **Int J Pediatr Otorhinolaryngol** 1986 Nov;12(1):55–8

MR imaging of laryngeal cancer. Castelijns JA, et al. **J Comput Assist Tomogr** 1987 Jan–Feb;11(1):134–40

Carcinoid tumour of the larynx (a case report and review of the literature). Weighill JS, et al. **J Laryngol Otol** 1986 Dec;100(12):1421–6

Acoustic screening for laryngeal cancer. Mashima K, et al. **Jpn J Clin Oncol** 1987 Mar;17(1):41–7

Presentation and management of postcricoid hemangiomata in infancy. Goldsmith MM 3d, et al. **Laryngoscope** 1987 Jul;97(7 Pt 1):851–3

Prognostic value of malignancy grading and DNA measurements in small glottic carcinomas. Franzén G, et al. **ORL J Otorhinolaryngol Relat Spec** 1987;49(2):73–80

Hemangiopericytoma of the larynx: a case report and review of the literature. Schwartz MR, et al. **Otolaryngol Head Neck Surg** 1987 Apr;96(4):369–72 (12 ref.)

Chemodectoma of the neck presenting with hemoptysis and a thyroid mass. Eyyunni U, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(1):392–5

[Double primary cancer in the larynx and lung—report of 12 cases] Cui JQ, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Sep;8(5):392–4 (Eng. Abstr.) **(Chi)**

[Non-Hodgkin lymphomas of the larynx. Apropos of a case] Remacle M, et al. **Acta Otorhinolaryngol Belg** 1987; 41(1):49–65 (Eng. Abstr.) **(Fre)**

[Isolated schwannomas of the larynx—study of 4 cases. Review of the literature] Vanhaudenarde JM, et al. **Acta Otorhinolaryngol Belg** 1987;41(1):94–107 **(Fre)**

[Mediastinal involvement in cancers of the subglottis, hypopharynx and cervical esophagus] Lamprecht J, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Feb;66(2):88–90 (Eng. Abstr.) **(Ger)**

[Nuclear magnetic resonance tomographic staging of tumors of the oral cavity, oro- and hypopharynx and the larynx. A comparison with computed tomography and sonography] Gademann G, et al. **ROFO** 1986 Nov; 145(5):503–9 (Eng. Abstr.) **(Ger)**

[Problem of isolated malignant lymphoma of the larynx] Szmeja Z, et al. **Otolaryngol Pol** 1986;40(4):247–54 (Eng. Abstr.) **(Pol)**

[Laryngeal chondromas] Szmeja Z, et al. **Otolaryngol Pol** 1986;40(6):414–7 (Eng. Abstr.) **(Pol)**

[A rare case of adenoid cystic carcinoma of the larynx and trachea] Zalewski P, et al. **Otolaryngol Pol** 1986;40(6):462–7 (Eng. Abstr.) **(Pol)**

[Diagnostic difficulties in a case of laryngeal nonchromaffin paraganglioma] Szwalski J, et al. **Wiad Lek** 1986 Nov 15; 39(22):1568–72 (Eng. Abstr.) **(Pol)**

[Problems of diagnosis and treatment in precancerous conditions of the larynx] Hociotă D, et al. **Rev Chir [Otorinolaringol]** 1986 Oct–Dec;31(4):241–8 (Eng. Abstr.) **(Rum)**

DRUG THERAPY

Growth inhibition of laryngeal UM-SCC cell lines by tamoxifen. Comparison with effects on the MCF-7 breast cancer cell line. Shapira A, et al. **Arch Otolaryngol Head Neck Surg** 1986 Nov; 112(11):1151–8

Results of treatment with alpha-interferon in adult-onset laryngeal papillomatosis. Schuurman AM, et al. **Clin Otolaryngol** 1986 Dec;11(6):447–53

Primary small cell carcinoma of the larynx: analysis of treatment. Giddings NA, et al. **J Otolaryngol** 1987 Jun; 16(3):157–66

[Treatment of juvenile papillomatosis of the larynx using interferon and levamisole] Klačanský I, et al. **Cesk Otolaryngol** 1986 Sep;35(5):273–7 (Eng. Abstr.) **(Slo)**

ENZYMOLOGY

Laryngeal cancer, aryl hydrocarbon hydroxylase inducibility and smoking. A follow-up study. Andréasson L, et al. **ORL J Otorhinolaryngol Relat Spec** 1987;49(4):187–92

Guanylate cyclase activity in normal and neoplastic squamous epithelia from the upper aero-digestive tract. Rydell EL, et al. **ORL J Otorhinolaryngol Relat Spec** 1986; 48(5):265–9

ETIOLOGY

Reinke's oedema: a premalignant condition? Moesgaard Nielsen V, et al. **J Laryngol Otol** 1986 Oct;100(10):1159–62

The relationship between juvenile laryngeal papillomatosis and maternal condylomata acuminata. Hallden C, et al. **J Reprod Med** 1986 Sep;31(9):804–7

Larynx cancer risk factors. Zemla B, et al. **Neoplasma** 1987; 34(2):223–33

Supraglottic hemangioma during pregnancy. Brandwein MS, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):450–3

Human papillomaviruses: associations between laryngeal papillomas and genital warts. Bennett RS, et al. **Pediatr Infect Dis J** 1987 Mar;6(3):229–32 (34 ref.)

[Laryngeal pathology and occupational exposure to glass fibers. Does a cancerous risk exist?] Dauphin D, et al. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(1):67–70 (Eng. Abstr.) **(Fre)**

[Laryngeal cancer and asbestosis] Münzel M. **Laryngol Rhinol Otol (Stuttg)** 1986 Sep;65(9):511–2 (Eng. Abstr.) **(Ger)**

[Combined effects of tobacco smoke and industrial air pollutants (dust, gases, vapors) in the microclimate of the work area and the risk of laryngeal cancer in men] Zemla B, et al. **Wiad Lek** 1986 Jul 1;39(13):889–98 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Significance of ploidy in laryngeal cancer. Goldsmith MM, et al. **Am J Surg** 1986 Oct;152(4):396–402

Hypertetraploid cells in vocal cord epithelia. Olofsson J, et al. **Clin Otolaryngol** 1986 Oct;11(5):345–51

The raf oncogene is associated with a radiation-resistant human laryngeal cancer. Kasid U, et al. **Science** 1987 Aug 28;237(4818):1039–41

HISTORY

The ninety-nine day Kaiser. Massey RU. **Conn Med** 1987 Jan;51(1):61

History of irradiation in squamous cell carcinomas of the larynx and hypopharynx. Fletcher GH. **Int J Radiat Oncol Biol Phys** 1986 Nov;12(11):2019-24

IMMUNOLOGY

Demonstration of human papillomavirus capsid antigen in carcinoma in situ of the larynx. Kashima H, et al. **Ann Otol Rhinol Laryngol** 1986 Nov-Dec;95(6 Pt 1):603-7

Characterization of cells from invaded lymph nodes in patients with solid tumors. Lymphokine requirement for tumor-specific lymphoproliferative response. Cozzolino F, et al. **J Exp Med** 1987 Aug 1;166(2):303-18

Cell-mediated amplification and down regulation of cytotoxic immune response against autologous human cancer. Mukherji B, et al. **J Immunol** 1987 Mar 15; 138(6):1987-91

Specific lymphokine responses in cervical nodes of patients with laryngeal cancer. Cortesina G, et al. **Laryngoscope** 1987 Jul;97(7 Pt 1):843-7

Natural killer cell activity in patients with carcinoma of the larynx and hypopharynx [letter] Ghoneum M, et al. **Laryngoscope** 1986 Nov;96(11):1300

A monoclonal antibody to squamous cell carcinoma. Ranken R, et al. **Laryngoscope** 1987 Jun;97(6):657-62

Epithelial expression of HLA-DR antigens in laryngeal papillomas with a dense inflammatory reaction. Viac J, et al. **Pathol Res Pract** 1987 Apr;182(2):157-60

[Characteristics of immunologic disorders in patients with precancerous conditions and cancer of the larynx] Shtil' AA, et al. **Vestn Otorinolaringol** 1986 Nov-Dec;(6):75-8 (Eng. Abstr.) **(Rus)**

METABOLISM

Uptake of platinum compounds in human tumors. In vitro study. Hecquet B, et al. **Bull Cancer (Paris)** 1986; 73(5):535-41

The distribution of arsenic and cobalt in patients with laryngeal carcinoma. Collecchi P, et al. **J Appl Toxicol** 1986 Aug;6(4):287-9

Energy-dispersive, bulk specimen X-ray microanalytical measurement of the intracellular Na+/K+ ratio in human laryngeal tumors. Nagy I, et al. **J Cancer Res Clin Oncol** 1987;113(2):197-202

[Immunohistological demonstration of the intermediate filaments in a laryngeal carcinosarcoma: considerations on its histogenesis] Vollrath M, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Jun;66(6):307-10 (Eng. Abstr.) **(Ger)**

[Granular cell tumor (myoblastoma) of the vocal cord. Immunohistochemical study] Gangemi P, et al. **Pathologica** 1986 Sep-Oct;78(1057):641-6 (Eng. Abstr.) **(Ita)**

MICROBIOLOGY

Rearranged HPV 16 molecules in an anal and in a laryngeal carcinoma. Scheurlen W, et al. **Int J Cancer** 1986 Nov 15;38(5):671-6

[Epstein-Barr virus and rhinopharyngeal cancer] Fernández Julian E, et al. **An Otorrinolaringol Ibero Am** 1987; 14(4):401-5 (Eng. Abstr.) **(Spa)**

MORTALITY

In vitro clonality of carcinomas as a prognostic parameter for the survival time of patients. Meteimann HR, et al. **J Craniomaxillofac Surg** 1987 Apr;15(2):58-62

[Survival of patients with malignant laryngeal neoplasms] Zatoński W, et al. **Nowotwory** 1987 Jan-Mar;37(1):60-6 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Statistical modelling of lung cancer and laryngeal cancer incidence in Scotland, 1960-1979. Boyle P, et al. **Am J Epidemiol** 1987 Apr;125(4):731-44

Non-epidermoid carcinoma of the larynx: the Thomas Jefferson University experience. Gadomski SP, et al. **Otolaryngol Head Neck Surg** 1986 Dec;95(5):558-65

Respiratory cancer among soap production workers. Forastiere F, et al. **Scand J Work Environ Health** 1987 Jun;13(3):258-60

Age, period and cohort models: the use of individual records. Robertson C, et al. **Stat Med** 1986 Sep-Oct;5(5):527-38

PATHOLOGY

Intralaryngeal barriers to the spread of cancer. Kirchner JA, et al. **Acta Otolaryngol (Stockh)** 1987 May-Jun; 103(5-6):503-13

Immunofluorescent assessment of tumour infiltrating cells in laryngeal carcinoma. Application of monoclonal antibodies. Zeromski J, et al. **Acta Otolaryngol (Stockh)** 1986 Sep-Oct; 102(3-4):325-32

Significance of keratosis and dyskeratosis for classifying hyperplastic aberrations of laryngeal mucosa. Kambič V, et al. **Am J Otolaryngol** 1986 Sep-Oct;7(5):323-33

Neuroendocrine carcinoma of the larynx. Porto DP, et al. **Am J Otolaryngol** 1987 Mar-Apr;8(2):97-104

Squamous carcinoma of the lung in a nonirradiated, nonsmoking patient with juvenile laryngotracheal papillomatosis. Helmuth RA, et al. **Am J Surg Pathol** 1987 Aug;11(8):643-50

Diagnosis and treatment of small cell carcinoma of the larynx: a critical review. Ferlito A. **Ann Otol Rhinol Laryngol** 1986 Nov-Dec;95(6 Pt 1):590-600

Computer-aided morphometric analysis of lymph nodes draining laryngeal carcinomas. Resta L, et al. **Appl Pathol** 1986;4(1-2):108-12

Advanced laryngeal cancer. Relevance of pathologic stage to survival and therapy. Decker JW, et al. **Arch Otolaryngol Head Neck Surg** 1986 Nov; 112(11):1163-7

Liposarcoma of the larynx. Case report and literature review. Meis JM, et al. **Arch Otolaryngol Head Neck Surg** 1986 Dec;112(12):1289-92

Extracapsular lymphatic spread: impact on survival in supraglottic cancer. Myers EN. **Bull NY Acad Med** 1986 Oct;62(8):803-17

Laryngeal rhabdomyosarcoma. Case report and literature review. Dodd-o JM, et al. **Cancer** 1987 Mar 1;59(5):1012-8

A morphometric comparison of the changes in the laryngeal skeleton associated with invasion by tumor and by external-beam radiation. Dyess CL, et al. **Cancer** 1987 Mar 15;59(6):1117-22

Tumor crescents from intraglomerular metastases. Perl SI, et al. **Clin Nephrol** 1987 May;27(5):260-2

Malignant tumours in patients with non-invasive squamous cell lesions of the vocal cords. Lundgren J, et al. **Clin Otolaryngol** 1987 Feb;12(1):39-43

Video time-lapse microscopy of human laryngeal carcinomas in vitro. Wang H, et al. **Clin Otolaryngol** 1986 Oct; 11(5):337-43

Fibrous histiocytoma of the larynx in a child. Case report and review. Wetmore RF. **Clin Pediatr (Phila)** 1987 Apr; 26(4):200-2

Laryngeal papillomatosis [letter] Cremin BJ. **Clin Radiol** 1987 Jul;38(4):455

Spindle-cell carcinoma of the larynx. Stone DM, et al. **Ear Nose Throat J** 1987 Feb;66(2):56-60

The prognostic significance of lymph node involvement in pyriform sinus and supraglottic cancers. Hahn SS, et al. **Int J Radiat Oncol Biol Phys** 1987 Aug;13(8):1143-7

Heterogeneity of stage II glottic carcinoma and its therapeutic implications. Karim AB, et al. **Int J Radiat Oncol Biol Phys** 1987 Mar;13(3):313-7

Uncommon malignant tumours of the larynx. A 35 year review. Hamlyn PJ, et al. **J Laryngol Otol** 1986 Oct; 100(10):1163-8

Chemodectoma of the larynx. Hanna GS, et al. **J Laryngol Otol** 1986 Sep;100(9):1081-7

Life-threatening laryngeal polyp in a child (a case report). Juhlin-Dannfelt M, et al. **J Laryngol Otol** 1987 Mar; 101(3):293-5

Squamous cell hyperplasia of the larynx (a clinical follow-up study). Kalter PO, et al. **J Laryngol Otol** 1987 Jun; 101(6):579-88

Cartilagenous tumours of the larynx. Tiwari RM, et al. **J Laryngol Otol** 1987 Mar;101(3):266-75

Mucoepidermoid carcinoma of the larynx: report of two cases. Supiyaphun P, et al. **J Med Assoc Thai** 1986 Sep; 69(9):500-4

Multiple primary squamous cell carcinomas of the upper aerodigestive tract: review of the literature and case report. Schwimmer A, et al. **J Oral Med** 1986 Oct-Dec;41(4):252-5

Laryngeal paraganglioma. Baugh RF, et al. **J Otolaryngol** 1987 Jun;16(3):167-8

Laryngeal papillomatosis: clinical, histopathologic and molecular studies. Abramson AL, et al. **Laryngoscope** 1987 Jun;97(6):678-85

Observations on the size of the saccule in laryngectomy specimens. Birt D. **Laryngoscope** 1987 Feb;97(2):190-200

MRI of normal or cancerous laryngeal cartilages: histopathologic correlation. Castelijns JA, et al. **Laryngoscope** 1987 Sep;97(9):1085-93

Positive Delphian lymph node: clinical significance in laryngeal cancer. Olsen KD, et al. **Laryngoscope** 1987 Sep; 97(9):1033-7

Chondrosarcoma of the larynx. Eriksen HE, et al. **ORL J Otorhinolaryngol Relat Spec** 1986;48(5):270-4

Human papillomavirus DNA in squamous cell carcinomas of the larynx demonstrated by in situ DNA hybridization. Syrjänen S, et al. **ORL J Otorhinolaryngol Relat Spec** 1987; 49(4):175-86

Coronal sections of larynges from radiation-therapy failures: a clinical-pathologic study. Brandenburg JH, et al. **Otolaryngol Head Neck Surg** 1986 Sep;95(2):213-8

Immature teratoma of the larynx. Cannon CR, et al. **Otolaryngol Head Neck Surg** 1987 Apr;96(4):366-8

"Composite" tumor--mixed squamous cell and small-cell anaplastic carcinoma of the larynx. Chen DA, et al. **Otolaryngol Head Neck Surg** 1986 Jul;95(1):99-103

A technique for intubation of the difficult airway. Wolf C, et al. **Otolaryngol Head Neck Surg** 1987 Mar;96(3):278-81

Preinvasive lesions of the upper aerodigestive tract: histologic definitions and clinical implications (a symposium). Crissman JD, et al. **Pathol Annu** 1987;22 Pt 1:311-52

Laryngeal papillomas: local cellular immune response, keratinization and viral antigen. Chardonnet Y, et al. **Virchows Arch [B]** 1986;51(5):421-8

Pseudosarcoma (spindle cell variant of squamous cell carcinoma) of the larynx. Daisley H. **West Indian Med J** 1986 Dec;35(4):330-2

[Magnifying laryngoscopy in the diagnosis of laryngeal tumors] Kasík P, et al. **Cesk Otolaryngol** 1987 Mar; 36(2):125-7 (Eng. Abstr.) **(Cze)**

[Malignant changes in laryngeal precanceroses] Pellant A, et al. **Cesk Otolaryngol** 1986 Jul;35(4):238-45 (Eng. Abstr.) **(Cze)**

[Extraparotid occurrence of papillary lymphomatous cystadenoma--Warthin's tumor] Engel P, et al. **Ugeskr Laeger** 1987 May 4;149(19):1244-6 (Eng. Abstr.) **(Dan)**

[Carcinomas of the upper aerodigestive tract before age 40 (excluding children). Apropos of 100 cases] Lefèbvre JL, et al. **Ann Otolaryngol Chir Cervicofac** 1987;104(2):89-92 (Eng. Abstr.) **(Fre)**

[Carcinomas of the upper aerodigestive tract in the female. Apropos of 132 cases] Lefèbvre JL, et al. **Ann Otolaryngol Chir Cervicofac** 1987;104(2):93-6 (Eng. Abstr.) **(Fre)**

[Laryngeal involvement in von Recklinghausen's disease] Garabedian EN, et al. **Ann Pediatr (Paris)** 1987 Jun; 34(6):443-6 (Eng. Abstr.) **(Fre)**

[Computerized tomography in the classification of hypopharyngeal and laryngeal cancers] Wolfensberger M, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Feb;66(2):84-7 (Eng. Abstr.) **(Ger)**

[Acanthosis nigricans in squamous cell carcinoma of the larynx] Oppolzer G, et al. **Z Hautkr** 1986 Sep 1; 61(17):1229-37 (Eng. Abstr.) **(Ger)**

[Clinical pathology of chronic hyperplastic laryngitis. 1. The epithelial structure of the transitional zone of the larynx] Goertchen R, et al. **Zentralbl Allg Pathol** 1986;131(6):541-6 (Eng. Abstr.) **(Ger)**

[Clinical pathology of chronic hyperplastic laryngitis. 2. Clinical, morphological and statistical studies with special reference to precancerous changes] Stosiek P, et al. **Zentralbl Allg Pathol** 1986;132(3):267-76 (Eng. Abstr.) **(Ger)**

[Healthy and pathologically changed laryngeal epithelium in a model. 1] Bentz W, et al. **ZFA** 1987 Mar-Apr; 42(2):89-92 (Eng. Abstr.) **(Ger)**

[Histologic grading of malignancy in epidermoid carcinoma of the larynx. Review of the literature and proposal of a structural grading] Carlon G, et al. **Acta Otorhinolaryngol Ital** 1985;5 Suppl 10:1-48 (Eng. Abstr.) **(Ita)**

[Stromal reaction, tissue eosinophilia and mastocytosis in carcinoma of the larynx] Dessy E, et al. **Acta Otorhinolaryngol Ital** 1986 Jul-Aug;6(4):357-66 (Eng. Abstr.) **(Ita)**

[Role of computerized tomography in the TNM staging of laryngeal and hypopharyngeal neoplasms] Querin F, et al. **Radiol Med (Torino)** 1986 Dec;72(12):947-50 (Eng. Abstr.) **(Ita)**

[Clinical histopathological study of the origins of laryngeal carcinoma--influence of smoking on the larynx] Yoshino K. **Nippon Jibiinkoka Gakkai Kaiho** 1987 May;90(5):741-54 (Eng. Abstr.) **(Jpn)**

[Kinetics of neoplastic tumors. III. Characteristics of growth of cervical lymph nodes with metastases of squamous cell carcinoma of the epiglottis] Maciejewski B. **Nowotwory** 1986 Oct-Dec;36(4):288-95 (Eng. Abstr.) **(Pol)**

[Clinical picture of laryngeal cancer and its histological degree of malignancy] Hassmann-Poznańska E, et al. **Otolaryngol Pol** 1986;40(6):401-8 (Eng. Abstr.) **(Pol)**

[Malignant potential of laryngeal papilloma in the adult] Cotrutz C, et al. **Rev Chir [Otorinolaringol]** 1987 Jan-Mar; 32(1):53-7 (Eng. Abstr.) **(Rum)**

[Carcinoid of the larynx] Fedorova EN, et al. **Arkh Patol** 1987;49(3):69-73 (Eng. Abstr.) **(Rus)**

[Radiomodifying effect of methandrostenolone on laryngeal cancer cells] Bordiushkov IuN, et al. **Eksp Onkol** 1987; 9(2):57-9 (Eng. Abstr.) **(Rus)**

[Recurrent myxoid fibroma of the larynx with malignization] Dashkevich IuM, et al. **Vestn Otorinolaringol** 1987 Mar-Apr;(2):81-2 **(Rus)**

[Carcinoid of the larynx] Kozhanov LG, et al. **Vestn Otorinolaringol** 1987 Mar-Apr;(2):76-8 **(Rus)**

[Malignant chondroma of the larynx] Morozov EV, et al. **Vestn Otorinolaringol** 1987 Jul-Aug;(4):64-6 **(Rus)**

[Anatomo-clinical study of 7 cases of verrucous carcinoma of the larynx] Blay L, et al. **An Otorrinolaringol Ibero Am** 1987;14(3):337-42 (Eng. Abstr.) **(Spa)**

[A mucoepidermoid carcinoma of the larynx of a high grade of malignancy.. Clinico-pathologic study of a case and a review of the literature] Martínez-Barona T, et al. **An Otorrinolaringol Ibero Am** 1986;13(5):455-70 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Total respiratory resistance and reactance in patients with upper airway obstruction. van Noord JA, et al. **Chest** 1987 Sep;92(3):475-80

Phonatory volume velocity recording by use of hot film anemometry and signal analysis. Woo P. **Otolaryngol Head Neck Surg** 1986 Oct;95(3 Pt 1):312-8

PSYCHOLOGY

Ombudsman Rounds on the otolaryngology service [clinical conference] Strain JJ, et al. **Gen Hosp Psychiatry** 1987 Jan;

9(1):64–70

RADIOGRAPHY

Computed tomography: a mandatory investigational procedure for the T-staging of advanced laryngeal cancer. Gerritsen GJ, et al. **Clin Otolaryngol** 1986 Oct;11(5):307–16

Laryngeal papillomatosis. Clements R, et al. **Clin Radiol** 1986 Nov;37(6):547–50

CT findings of laryngeal involvement in von Recklinghausen disease. Stines J, et al. **J Comput Assist Tomogr** 1987 Jan–Feb;11(1):141–3

Thyroglossal duct cysts that mimic laryngeal masses. Slotnick D, et al. **Laryngoscope** 1987 Jun;97(6):742–5

The degree to which accuracy of preoperative staging of laryngeal carcinoma has been enhanced by computed tomography. Katsantonis GP, et al.
Otolaryngol Head Neck Surg 1986 Jul;95(1):52–62

[Results of radiotherapy of supraglottic laryngeal carcinomas observed at the Division of Radiotherapy of the District Hospital of Varese] Cosentino D, et al.
Radiol Med (Torino) 1987 Mar;73(3):217–22 (Eng. Abstr.) **(Ita)**

RADIOTHERAPY

Factors influencing the success of radiation therapy for T2 and T3 glottic carcinomas. Importance of cord mobility and sex. Wang CC. **Am J Clin Oncol** 1986 Dec;9(6):517–20

Success of elective irradiation of occult lymphatic metastases from cancers of the larynx and pyriform sinus. Marks JE, et al. **Head Neck Surg** 1986 Nov–Dec;9(2):77–81

Impact of neck node radioresponsiveness on the regional control probability in patients with oropharynx and pharyngolarynx cancers managed by definitive radiotherapy. Bataini JP, et al.
Int J Radiat Oncol Biol Phys 1987 Jun;13(6):817–24

Carcinoma of the larynx. Robertson AG, et al.
J Surg Oncol 1987 Aug;35(4):217–22

Early vocal cord carcinoma in obese patients: a surgical lesion. Moore DM, et al. **Laryngoscope** 1987 Jun; 97(6):686–8

Growth rate and regrowth delay of irradiated neck lymph node metastases. Maciejewski B.
Radiobiol Radiother (Berl) 1987;28(1):21–31

A technique for treatment of advanced carcinomas of the larynx and hypopharynx using low–megavoltage X-rays. Fields JN, et al. **Radiother Oncol** 1986 Nov;7(3):281–5

Regression rate of metastatic neck lymph nodes after radiation treatment as a prognostic factor for local control. Maciejewski B. **Radiother Oncol** 1987 Apr;8(4):301–8

Alpha/beta value and the importance of size of dose per fraction for late complications in the supraglottic larynx. Maciejewski B, et al. **Radiother Oncol** 1986 Dec;7(4):323–6

Dose reconstruction of x-ray irradiation of the larynx. Takácsi-Nagy L, et al. **Strahlenther Onkol** 1987 May; 163(5):321–3

[Effect of radiotherapy on the function of the ciliated epithelium in the larynx] Deitmer T.
Laryngol Rhinol Otol (Stuttg) 1986 Sep;65(9):513–5 (Eng. Abstr.) **(Ger)**

[Fractionation of the daily dose (hyperfractionation) in telegammatherapy of laryngeal tumors] Mardynsky JuS, et al. **Radiobiol Radiother (Berl)** 1986;27(4):407–12 (Eng. Abstr.) **(Ger)**

[Phonetic results in patients irradiated for carcinoma of the vocal cords] Accordi M, et al.
Acta Otorhinolaryngol Ital 1987 Mar–Apr;7(2):169–83 (Eng. Abstr.) **(Ita)**

[Radiotherapy of maxillary, pharyngeal, and laryngeal cancer] Mazaki N. **Gan No Rinsho** 1987 Mar;Spec No:311–7 **(Jpn)**

[Studies of various serum protein fractions of patients with squamous cell carcinoma of the larynx undergoing radiotherapy] Onizuka K, et al.
Nippon Igaku Hoshasen Gakkai Zasshi 1986 May 25; 46(5):700–13 (Eng. Abstr.) **(Jpn)**

[Use of a linear–quadratic model for evaluation of late post–radiation complications in the larynx] Maciejewski B, et al. **Nowotwory** 1987 Jan–Mar;37(1):67–76 (Eng. Abstr.) **(Pol)**

[Evaluation of the effectiveness of radiotherapy in patients with advanced laryngeal cancer after total excision of the larynx] Stryjewska B, et al. **Nowotwory** 1986 Oct–Dec; 36(4):312–9 (Eng. Abstr.) **(Pol)**

[Post-irradiation reactions in patients with laryngeal cancer after continuous and intermittent Co-60 teletherapy] Peszyński J, et al. **Otolaryngol Pol** 1986;40(6):409–13 (Eng. Abstr.) **(Pol)**

[Dose multifractionation in radiotherapy of laryngeal cancer] Andreev VG, et al. **Med Radiol (Mosk)** 1987 Apr; 32(4):7–10 (Eng. Abstr.) **(Rus)**

[Functional status of the lymphocytes and adrenal cortex in preoperative radiotherapy of patients with laryngeal cancer exposed to different oxygen conditions] Sokolova II, et al. **Med Radiol (Mosk)** 1987 Jul;32(7):22–4 (Eng. Abstr.) **(Rus)**

[Sudden death following radiation therapy of laryngeal cancer] Osipenkova TK. **Sud Med Ekspert** 1987 Apr–Jun; 30(2):8–10 **(Rus)**

[Postactinic changes in the larynx and suspected recurrence of carcinoma after actinotherapy] Droppa J, et al.
Cesk Otolaryngol 1986 Jul;35(4):231–7 (Eng. Abstr.) **(Slo)**

SECONDARY

Metastatic renal carcinoma to larynx. Maung R, et al.
J Otolaryngol 1987 Feb;16(1):16–8

[A case of metastasis of breast cancer to the larynx] Szmeja Z, et al. **Otolaryngol Pol** 1986;40(3):212–6 (Eng. Abstr.) **(Pol)**

SURGERY

Myoplasty for surgical reconstruction of the laryngeal dividing biomechanism. Tarasov DI, et al.
Acta Chir Plast 1986;28(4):205–14

The role of radiation therapy in squamous cell carcinoma of the upper aerodigestive tract with positive surgical margins. Sadeghi A, et al. **Am J Clin Oncol** 1986 Dec; 9(6):500–3

Anesthetic management of a patient with reactive airway disease for carbon dioxide laser debulking of a laryngeal tumor. North C, et al. **Anesth Analg** 1986 Nov; 65(11):1225–6

Extended supraglottic laryngectomy. Review of 84 cases. Bocca E, et al. **Ann Otol Rhinol Laryngol** 1987 Jul–Aug; 96(4):384–6

Comparison of surgical techniques in the treatment of laryngeal polypoid degeneration [published erratum appears in Ann Otol Rhinol Laryngol 1987 Jul–Aug;96(4):386] Lumpkin SM, et al.
Ann Otol Rhinol Laryngol 1987 May–Jun;96(3 Pt 1):254–7

Carcinoid tumor of the larynx: the role of conservative therapy. Patterson SD, et al. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb;96(1 Pt 1):12–4

Lymphangiomas of the larynx in infants and children. A survey of pediatric lymphangioma. Cohen SR, et al.
Ann Otol Rhinol Laryngol [Suppl] 1986 Nov–Dec;127:1–20

Proximal large-bore jet ventilation for laryngeal laser surgery. Koufman JA, et al.
Arch Otolaryngol Head Neck Surg 1987 Mar;113(3):314–20

Endoscopic laser surgery. An alternative in laryngeal cancer treatment. McGuirt WF, et al.
Arch Otolaryngol Head Neck Surg 1987 May;113(5):501–5

Conservation of the hypopharyngeal mucous membrane in total laryngectomy. Schaefer SD, et al.
Arch Otolaryngol Head Neck Surg 1987 May;113(5):491–5

Evaluation of conservative neck dissection in partial laryngeal surgery. Baredes S. **Bull NY Acad Med** 1986 Oct; 62(8):821–7

Supraglottic resection and glottic closure. Biller HF.
Bull NY Acad Med 1986 Oct;62(8):818–20

A historical and histological view of partial laryngectomy. Kirchner JA. **Bull NY Acad Med** 1986 Oct;62(8):808–17

A retrospective study of squamous-cell carcinoma of the supraglottic larynx. Broniatowski M. **Ear Nose Throat J** 1987 Mar;66(3):99–103

Recurrent respiratory papillomatosis in children: a retrospective study of management and complications. Morgan AH, et al. **Ear Nose Throat J** 1986 Sep;65(9):19–28

Radiographic evaluation of the free jejunal graft. Torres WE, et al. **Gastrointest Radiol** 1987;12(3):226–30

Squamous cell carcinoma of the larynx. Bryce D, et al.
Head Neck Surg 1986 Nov–Dec;9(2):122–6

Verrucous carcinoma (Ackerman's tumor) of the larynx: diagnostic and therapeutic considerations. Lundgren JA, et al. **Head Neck Surg** 1986 Sep–Oct;9(1):19–26

Primary surgery versus radiation-failed salvage surgery in advanced carcinoma of the larynx and hypopharynx. Bahadur S, et al. **Indian J Cancer** 1986 Jun;23(2):89–93

Squamous cell carcinoma of the supraglottic larynx treated with surgery and/or radiation therapy. Weems DH, et al.
Int J Radiat Oncol Biol Phys 1987 Oct;13(10):1483–7

A view of partial laryngectomy in the treatment of laryngeal cancer. Shaw HJ. **J Laryngol Otol** 1987 Feb;101(2):143–54

Intracranial metastases from a supraglottic carcinoma (a case report). Warwick-Brown NP, et al. **J Laryngol Otol** 1987 Jun;101(6):624–6

Entering the pharynx in total laryngectomy. Wei WI, et al.
J Laryngol Otol 1987 Jun;101(6):589–91

The Joseph H. Ogura memorial lecture: conservation surgery past, present, and future. Biller HF. **Laryngoscope** 1987 Jan; 97(1):38–41

Bilateral omohyoid muscle flap reconstruction for anterior commissure cancer. Calcaterra TC. **Laryngoscope** 1987 Jul; 97(7 Pt 1):810–3

Surgical salvage for stomal recurrence: a multi-institutional experience. Gluckman JL, et al. **Laryngoscope** 1987 Sep; 97(9):1025–9

"Emergency" laryngectomy and stomal recurrence.Griebie MS, et al. **Laryngoscope** 1987 Sep;97(9):1020–4

Nonflammable endotracheal device for CO_2 laser ablation of benign laryngeal and proximal tracheal tumors. Lawler RA, et al. **Laryngoscope** 1986 Dec;96(12):1378–80

The endoscopic management of early squamous carcinoma of the vocal cord with the carbon dioxide surgical laser: clinical experience and a proposed subclassification. Koufman JA. **Otolaryngol Head Neck Surg** 1986 Dec; 95(5):531–7

Carcinoid tumor of the larynx: case report and review of the world literature. Snyderman C, et al.
Otolaryngol Head Neck Surg 1986 Sep;95(2):158–64

Pain-inducing laryngeal paraganglioma: report of the ninth case and review of the literature. Stanley RJ, et al.
Otolaryngol Head Neck Surg 1986 Jul;95(1):107–12

Lung function and within-breath changes in resistance in patients who have had a laryngectomy. Davidson RN, et al. **Q J Med** 1986 Aug;60(232):753–62

Laryngeal carcinoma in situ: a therapeutic dilemma. McGuirt WF. **South Med J** 1987 Apr;80(4):447–9

[The surgical treatment of advanced laryngeal carcinoma] Hong BT. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Sep; 17(3):248–50 (Eng. Abstr.) **(Chi)**

[The role of partial laryngectomy in the treatment of early laryngeal cancer] Hsiao TY, et al.
Taiwan I Hsueh Hui Tsa Chih 1987 Mar;86(3):295–8 (Eng. Abstr.) **(Chi)**

[Reaction of the internal environment to major surgical stress in the surgical treatment of carcinoma of the upper deglutition and respiratory pathways and the larynx] Rous J, et al. **Cesk Otolaryngol** 1986 Nov;35(6):351–60 (Eng. Abstr.) **(Cze)**

[Supraglottic laryngectomy; oncologic and functional results] van den Broek P, et al. **Ned Tijdschr Geneeskd** 1986 Sep 6;130(36):1608–11 (Eng. Abstr.) **(Dut)**

[Functional subtotal laryngectomy with cricohyodopexy] Piquet JJ. **Acta Otorhinolaryngol Ital** 1986 Jul–Aug; 6(4):345–56 (Eng. Abstr.) **(Fre)**

[Our experience in reconstructive surgery in glottic cancers] Guerrier B, et al. **Ann Otolaryngol Chir Cervicofac** 1987; 104(3):175–9 (Eng. Abstr.) **(Fre)**

[Partial supracricoid laryngectomy. Technics, indications and results] Laccourreye H, et al.
Ann Otolaryngol Chir Cervicofac 1987;104(3):163–73 (Eng. Abstr.) **(Fre)**

[Conservative surgery of cancer of the larynx. Cordectomy, hemilaryngectomy, supraglottic laryngectomy] Levy C, et al. **Ann Otolaryngol Chir Cervicofac** 1986;103(6):399–409 (Eng. Abstr.) **(Fre)**

[Requisite selection of surgical technics in the treatment of cancer of the larynx] Pech A, et al.
Ann Otolaryngol Chir Cervicofac 1986;103(8):565–75 (Eng. Abstr.) **(Fre)**

[Functional subtotal laryngectomies with cricohyoidopexy. Technics, indications, results] Piquet JJ, et al.
Ann Otolaryngol Chir Cervicofac 1986;103(6):411–5 (Eng. Abstr.) **(Fre)**

[Outcome of pharyngolaryngeal cancers with an insufficient resection] Lacomme Y, et al.
Rev Laryngol Otol Rhinol (Bord) 1986;107(2):107–11 (Eng. Abstr.) **(Fre)**

[Partial transverse surgery of the larynx] Savary M.
Ther Umsch 1987 Feb;44(2):121–30 (Eng. Abstr.) **(Fre)**

[Plastic-surgical therapy of extensive radiogenic recurrence of pharyngo-esophagostoma] Steinau HU, et al. **Chirurg** 1986 Nov;57(11):746–52 (Eng. Abstr.) **(Ger)**

[A new method of surgical voice rehabilitation: microsurgical jejunum transplantation] Piza H, et al.
Handchir Mikrochir Plast Chir 1986 Sep;18(5):291–4 (Eng. Abstr.) **(Ger)**

[Therapeutic and palliative lymph drainage in therapy of edema in the face and neck] Einfeldt H, et al. **HNO** 1986 Sep;34(9):365–7 (Eng. Abstr.) **(Ger)**

[Lymphatic metastases of verrucous carcinoma (Ackerman tumor)] Schrader M, et al. **HNO** 1987 Jan;35(1):27–30 (Eng. Abstr.) **(Ger)**

[Value of free, microvascular anastomosis of a small intestine transplant in reconstructive surgery following resection of T4 tumors of the upper aerodigestive tract] Ehrenberger K, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Nov; 65(11):643–5 (Eng. Abstr.) **(Ger)**

[Voice quality following CO_2 laser cordectomy] Höfler H, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Nov;65(11):655–8 (Eng. Abstr.) **(Ger)**

[Treatment of larynx papillomatosis] Zenner HP.
Laryngol Rhinol Otol (Stuttg) 1987 May;66(5):291–2 **(Ger)**

[New aspects in the therapy of laryngeal tumors from the surgeon's viewpoint] Herrmann IF. **Strahlenther Onkol** 1987 Aug;163(8):511–8 (Eng. Abstr.) **(Ger)**

[Horizontal supraglottic laryngectomy: tumor delimitation, indication, technic] Zbären P. **Ther Umsch** 1987 Feb; 44(2):131–6 (Eng. Abstr.) **(Ger)**

[Therapeutic value of functional laterocervical lymph node dissection in cases of capsular rupture] Cervellera G, et al. **Acta Otorhinolaryngol Ital** 1987 Jan–Feb;7(1):25–31 (Eng. Abstr.) **(Ita)**

[Vertical fronto-lateral laryngectomy in cordo-commissural tumors] de Campora E, et al.
Acta Otorhinolaryngol Ital 1985 Sep–Oct;5(5):491–6 (Eng. Abstr.) **(Ita)**

[Peri-tracheostomal recurrences following total laryngectomy] Spriano G, et al.
Acta Otorhinolaryngol Ital 1985 Sep–Oct;5(5):497–505 (Eng. Abstr.) **(Ita)**

[The usefulness of toluidine blue in partial operations in laryngeal cancer] Szmeja Z, et al. **Otolaryngol Pol** 1986; 40(3):161–4 (Eng. Abstr.) **(Pol)**

[Partial laryngectomy in the treatment of laryngeal cancer. Therapeutic results. 10-year retrospective study (1974–1983)] Cotulbea S, et al.
Rev Chir [Otorinolaringol] 1986 Jul–Sep;31(3):217–21 (Eng. Abstr.) **(Rum)**

[Classical and current concepts with regard to surgical treatment of cancer of the larynx and metastases to the cervical lymph nodes] Dinu C, et al.
Rev Chir [Otorinolaringol] 1986 Jul–Sep;31(3):205–12 (Eng. Abstr.) **(Rum)**

[Laryngofibroscopy in reconstructive-plastic surgery of the larynx with endoprosthesis] Kharchenko VP, et al. **Vestn Otorinolaringol** 1986 Nov-Dec;(6):51-3 (Eng. Abstr.) **(Rus)**

[Methodologic basis for laryngectomy after earlier tracheostomy] Nasyrov VA, et al. **Vestn Otorinolaringol** 1987 Mar-Apr;(2):40-3 (Eng. Abstr.) **(Rus)**

[Functional surgery of the larynx using radiation therapy and hyperthermia] Svetitskiĭ PV, et al. **Vestn Otorinolaringol** 1987 Jul-Aug;(4):70-1 **(Rus)**

[Reconstructive laryngectomy in the treatment of glottic carcinoma] Matić V. **Med Pregl** 1986;39(9-10):473-6 (Eng. Abstr.) **(Scr)**

[Rupture of the thoracic duct caused by cervical lymph node dissection] Barrios JM, et al. **An Otorrinolaringol Ibero Am** 1987;14(4):407-12 (Eng. Abstr.) **(Spa)**

[Pulmonary edema of non-cardiogenic origin (letter)] Campos JM, et al. **Rev Esp Anestesiol Reanim** 1987 Mar-Apr;34(2):156-7 **(Spa)**

[Primary hypothyroidism in the adult and anesthesia: apropos of a case (letter)] Hernández Palazón J, et al. **Rev Esp Anestesiol Reanim** 1986 Jul-Aug;33(4):279-80 **(Spa)**

THERAPY

Bleomycin, methotrexate and vincristine before irradiation of stage III and IV laryngeal and pharyngeal squamous cell carcinoma. A study initiated by the Danish Society of Head and Neck Cancer. Hansen HS, et al. **Acta Oncol** 1987 Jan-Feb;26(1):13-8

Primary oat cell carcinoma of the larynx. Aguilar EA 3d, et al. **Am J Clin Oncol** 1987 Feb;10(1):26-32

Long-term results of concurrent polychemotherapy and radiotherapy in patients with stomal recurrence after total laryngectomy. Balm AJ, et al. **Ann Otol Rhinol Laryngol** 1986 Nov-Dec;95(6 Pt 1):572-5

Three-year experience of treating recurrent respiratory papilloma with interferon. Lusk RP, et al. **Ann Otol Rhinol Laryngol** 1987 Mar-Apr;96(2 Pt 1):158-62

Stimulation of peripheral blood lymphocytes with autologous tumor and serum-derived fractions from patients with laryngeal carcinomas. Koldovsky P, et al. **Arch Otorhinolaryngol** 1986;243(5):309-12

Long-term survival in response to combined chemotherapy and radiotherapy in laryngeal small cell carcinoma. Ferlito A, et al. **Auris Nasus Larynx** 1986;13(2):113-23

Carcinoma of the larynx: experience at St Vincent's Hospital, Sydney. De Wilde FW, et al. **Aust NZ J Surg** 1978 Dec; 48(6):619-20

Current trends in the treatment of cancer of the larynx. Millar HS. **Aust NZ J Surg** 1978 Dec;48(6):613-9

Antigenic epitopes of three tumor-associated antigens of well-differentiated squamous cell carcinoma of the larynx for use in monitoring patients in specific active immunochemotherapy trials. Hollinshead AC. **Cancer Detect Prev** 1987;10(3-4):153-8

Squamous cell carcinoma of the supraglottic larynx. Haynes WD, et al. **J Arkansas Med Soc** 1986 Nov;83(6):259-60

Carcinoma of the larynx and pharynx. Thompson AR, et al. **J Arkansas Med Soc** 1987 Apr;83(11):447-8

A pilot study of mitomycin-C/5-fluorouracil infusion combined with split course radiation therapy for carcinomas of the larynx and hypopharynx. Keane TJ, et al. **J Otolaryngol** 1986 Oct;15(5):286-8

Small cell carcinoma of the larynx: results of therapy. Baugh RF, et al. **Laryngoscope** 1986 Nov;96(11):1283-90

Hyperfrequency of pulmonary cancer in a population of 415 patients treated for laryngeal cancer. Christensen PH, et al. **Laryngoscope** 1987 May;97(5):612-4

Alveolar rhabdomyosarcoma of the larynx: case report and literature review. Haerr RW, et al. **Laryngoscope** 1987 Mar; 97(3 Pt 1):339-44 (29 ref.)

Decision analysis of treatment options in pyriform sinus carcinoma. Plante DA, et al. **Med Decis Making** 1987 Apr-Jun;7(2):74-83

[The concept and programming of therapy in laryngeal cancer] Hybášek I. **Cesk Otolaryngol** 1986 Nov; 35(6):344-50 (Eng. Abstr.) **(Cze)**

[Result of the treatment of juvenile papillomatosis of the larynx. Apropos of 158 cases] Traissac L, et al. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(3):221-4 (Eng. Abstr.) **(Fre)**

[Results of long-term leukocyte interferon (alpha IFN) therapy using an individually determined dose schedule in recurrent laryngeal papillomatosis] Gerein V, et al. **Klin Padiatr** 1987 May-Jun;199(3):224-9 (Eng. Abstr.) **(Ger)**

[Radioimmunologic determination of hormone levels during combined surgical and radiation treatment of patients with laryngeal cancer] Sachtarin VV, et al. **Radiobiol Radiother (Berl)** 1986;27(3):363-8 (Eng. Abstr.) **(Ger)**

[Postoperative radiotherapy in the treatment of lymph node metastases of laryngeal carcinoma] Baroncelli G, et al. **Acta Otorhinolaryngol Ital** 1987 Jan-Feb;7(1):41-51 (Eng. Abstr.) **(Ita)**

[Multidisciplinary treatment of carcinoma of the larynx] Yoshino K. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1812-9 (Eng. Abstr.) **(Jpn)**

[Evaluation of the treatment of laryngeal cancer] Miyashita H, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Dec; 89(12):1767-71 (Eng. Abstr.) **(Jpn)**

[Combination treatment of recurring laryngeal cancer] Andreev VG. **Med Radiol (Mosk)** 1986 Nov;31(11):21-5 (Eng. Abstr.) **(Rus)**

[Current status of the treatment of laryngeal cancer] Ol'shanskiĭ VO, et al. **Vopr Onkol** 1987;33(2):41-8 (28 ref.) (Eng. Abstr.) **(Rus)**

[Postoperative radiotherapy after supraglottic hemilaryngectomy: importance of the involvement of the lower surgical border] Larrea L, et al. **An Otorrinolaringol Ibero Am** 1987;14(2):153-61 (Eng. Abstr.) **(Spa)**

TRANSMISSION

Rarity of cesarean delivery in cases of juvenile-onset respiratory papillomatosis. Shah K, et al. **Obstet Gynecol** 1986 Dec;68(6):795-9

ULTRASTRUCTURE

Laryngeal papilloma cells in culture have an altered cytoskeleton. Romani VG, et al. **Acta Otolaryngol (Stockh)** 1987 Mar-Apr;103(3-4):345-52

Apoptotic bodies and abnormally dividing epithelial cells in squamous cell carcinoma. el-Labban NG, et al. **Histopathology** 1986 Sep;10(9):921-31

VETERINARY

Laryngeal chondrosarcoma in a dog. Flanders JA, et al. **J Am Vet Med Assoc** 1987 Jan 1;190(1):68-70

LARYNGEAL NERVES

Systemic lupus erythematosus, pulmonary hypertension, and left recurrent laryngeal nerve palsy. Aszkenasy OM, et al. **Ann Rheum Dis** 1987 Mar;46(3):246-7

Simple thyroid cyst: cause of acute bilateral recurrent laryngeal nerve palsy. Gani JS, et al. **Br Med J [Clin Res]** 1987 May 2;294(6580):1128-9

Peripheral course and intramucosal distribution of the laryngeal sensory nerve fibers of cats. Yoshida Y, et al. **Brain Res Bull** 1986 Jul;17(1):95-105

Functional electrical stimulation for the treatment of bilateral recurrent laryngeal nerve paralysis. Otto RA, et al. **Otolaryngol Head Neck Surg** 1986 Jul;95(1):47-51

Substance P immunoreactive nerve fibers of the canine laryngeal mucosa. Shin T, et al. **Otolaryngol Head Neck Surg** 1987 Jul;97(1):39-46

Left recurrent laryngeal nerve palsy as the presenting feature of sarcoidosis. Swinburn CR, et al. **Sarcoidosis** 1986 Mar; 3(1):67-8

[Recurrent nerve paralysis and Claude Bernard-Horner syndrome following an interscalene block of the brachial plexus] Nimier M, et al. **Ann Fr Anesth Reanim** 1986; 5(4):456-7 (Eng. Abstr.) **(Fre)**

[Neuralgia of the superior laryngeal nerve caused by phonatory malfunctions] Kittel G. **HNO** 1986 Sep; 34(9):379-83 (Eng. Abstr.) **(Ger)**

ANALYSIS

[Efferent innervation of the larynx in domestic pigeons (Columba livia domestica L.] Grabatin O, et al. **Anat Anz** 1986;162(2):101-8 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Paraganglia of the human recurrent laryngeal nerve. Dahlqvist A, et al. **Am J Otolaryngol** 1986 Sep-Oct; 7(5):366-9

Extralaryngeal division of the recurrent laryngeal nerve. Report on 400 patients and the 721 nerves measured. Katz AD. **Am J Surg** 1986 Oct;152(4):407-10

Recurrent laryngeal nerve. Identification during thyroid and parathyroid surgery. Gavilán J, et al. **Arch Otolaryngol Head Neck Surg** 1986 Dec;112(12):1286-8

Peripheral course and intramucosal distribution of the laryngeal sensory nerve fibers of cats. Yoshida Y, et al. **Brain Res Bull** 1986 Jul;17(1):95-105

Functional identification of the external laryngeal nerve during thyroidectomy. Friedman M, et al. **Laryngoscope** 1986 Nov;96(11):1291-2

The left recurrent laryngeal nerve at birth: anatomy and surgical applications. Bargy F, et al. **Surg Radiol Anat** 1986; 8(4):245-50

[Superior laryngeal nerve loop: its anatomy and surgical implications] Sun SQ, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Mar;24(3):179-81, 190 (Eng. Abstr.) **(Chi)**

[Laryngeal nerves. A histomorphometric and cartographic study] Germain MA, et al. **Ann Otolaryngol Chir Cervicofac** 1986;103(6):379-88 (Eng. Abstr.) **(Fre)**

[Course and branches of the recurrent laryngeal nerve, inferior thyroid artery and inferior laryngeal artery] Lang J, et al. **Gegenbaurs Morphol Jahrb** 1986;132(5):617-43 (Eng. Abstr.) **(Ger)**

[Laryngeal nerves, branches in the interior of the larynx] Lang J, et al. **Gegenbaurs Morphol Jahrb** 1986; 132(5):723-36 (Eng. Abstr.) **(Ger)**

[Central localization of motor components in the internal branch of the superior laryngeal nerve: a horseradish peroxidase study in the rat] Krammer EB, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Nov;65(11):617-20 (Eng. Abstr.) **(Ger)**

[Functional electrostimulation of the denervated posticus muscle in an animal experiment: histo- and biochemical results] Zrunek M, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Nov;65(11):621-7 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

[Classification and histomorphometry of the human laryngeal nerves] Germain MA, et al. **Bull Acad Natl Med (Paris)** 1987 Jan;171(1):37-44 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Localization of rabbit laryngeal motoneurons in the nucleus ambiguus. Okubo J, et al. **Exp Neurol** 1987 Jun;96(3):528-39

INJURIES

Recurrent laryngeal nerve paralysis contralateral to hemithyroidectomy. Case report. Karavias D, et al. **Acta Chir Scand** 1987 Mar;153(3):235-7

Left recurrent laryngeal nerve injury following internal mammary artery bypass. Phillips TG, et al. **Ann Thorac Surg** 1987 Apr;43(4):440

[Effect of a modified struma resection technic on the rate of lesions of the recurrent laryngeal nerve] Rieger R, et al. **Chirurg** 1987 Apr;58(4):255-60 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Paraganglia of the rat recurrent laryngeal nerve after long-term hypoxia: a morphometric and biochemical study. Dahlqvist A, et al. **J Neurocytol** 1987 Jun;16(3):289-97

PHYSIOLOGY

Nervous control of tracheal blood flow in the cat measured by the laser Doppler technique. Martling CR, et al. **Acta Physiol Scand** 1987 Jul;130(3):409-17

Determination of extrinsic pathways of adrenergic nerves to the guinea-pig trachealis muscle using surgical denervation and organ-bath pharmacology. Smith RV, et al. **Agents Actions** 1986 Oct;19(1-2):48-54

Experimental crush of the equine recurrent laryngeal nerve: a study of normal and aberrant reinnervation. Duncan ID, et al. **Am J Vet Res** 1987 Mar;48(3):431-8

Reflex decrease of histamine-induced bronchoconstriction after laryngeal stimulation in humans. Michoud MC, et al. **Am Rev Respir Dis** 1987 Sep;136(3):618-22

Transcutaneous electrical stimulation of the recurrent laryngeal nerve in monkeys. Sanders I, et al. **Ann Otol Rhinol Laryngol** 1987 Jan-Feb;96(1 Pt 1):38-42

High-frequency and medium-frequency components of different inspiratory nerve discharges and their modification by various inputs. Cohen MI, et al. **Brain Res** 1987 Aug 4;417(1):148-52

Serotonin-mediated excitation of recurrent laryngeal and phrenic motoneurons evoked by stimulation of the raphe obscurus. Holtman JR Jr, et al. **Brain Res** 1987 Aug 4; 417(1):12-20

Phrenic output changes due to progressive airway denervation in rabbits. Kamosińska B, et al. **Bull Eur Physiopathol Respir** 1987 Mar-Apr;23(2):155-61

Respiratory changes induced by prolonged laryngeal stimulation in awake piglets. Donnelly DF, et al. **J Appl Physiol** 1986 Sep;61(3):1018-24

Transtracheal/transesophageal stimulation of the recurrent laryngeal nerve. Sanders I, et al. **Laryngoscope** 1987 Jun; 97(6):663-7

Laryngeal chemoreflex: anatomic and physiologic study by use of the superior laryngeal nerve in the piglet. Goding GS, et al. **Otolaryngol Head Neck Surg** 1987 Jul;97(1):28-38

Effects of nasal and laryngeal stimulation upon peripheral lung function. Jacobs JR, et al. **Otolaryngol Head Neck Surg** 1986 Oct;95(3 Pt 1):298-302

Transcutaneous electrical stimulation of the recurrent laryngeal nerve: a method of controlling vocal cord position. Sanders I, et al. **Otolaryngol Head Neck Surg** 1986 Sep;95(2):152-7

Effect of graded anesthesia on laryngeal-induced central apnea. Donnelly DF, et al. **Respir Physiol** 1986 Nov; 66(2):235-45

Laryngeal afferents activated by phenyldiguanide and their response to cold air or helium-oxygen. Jammes Y, et al. **Respir Physiol** 1987 Mar;67(3):379-89

Respiratory activity in the superior laryngeal nerve of the rabbit. Tsubone H, et al. **Respir Physiol** 1987 Aug; 69(2):195-207

PHYSIOPATHOLOGY

Pharyngeal swallowing in patients with paresis of the recurrent nerve. Ekberg O, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Nov-Dec;27(6):697-700

SURGERY

Division of the recurrent laryngeal nerve for idiopathic laryngeal spasm. Hassard AD, et al. **J Otolaryngol** 1987 Jun;16(3):185-7

Restoring abduction of paralyzed vocal cords in the cat using selective laryngeal reinnervation by phrenic motoneurons. Baldissera F, et al. **Laryngoscope** 1986 Dec;96(12):1399-404

TRANSPLANTATION

Muscle–nerve pedicle laryngeal reinnervation. May M, et al. **Laryngoscope** 1986 Nov;96(11):1196–200

ULTRASTRUCTURE

The recurrent laryngeal nerve in spastic dysphonia. A light and electron microscopic study. Carlsöö B, et al. **Acta Otolaryngol (Stockh)** 1987 Jan–Feb;103(1–2):96–104

Ultrastructural observations of organelle accumulation in the equine recurrent laryngeal nerve. Duncan ID, et al. **J Neurocytol** 1987 Apr;16(2):269–80

LARYNGEAL PARALYSIS see VOCAL CORD PARALYSIS

LARYNGEAL PERICHONDRITIS

VETERINARY

Laryngeal chondritis in Texel sheep. Lane JG, et al. **Vet Rec** 1987 Jul 25;121(4):81–4

LARYNGEAL PROSTHESIS see LARYNX, ARTIFICIAL

LARYNGECTOMY

see related
SPEECH, ALARYNGEAL

The nasal cycle after laryngectomy. Havas TE, et al. **Acta Otolaryngol (Stockh)** 1987 Jan–Feb;103(1–2):111–6

Primary tracheoesophageal puncture for voice restoration. Juarbe C, et al. **Am J Surg** 1986 Oct;152(4):464–6

Long–term results of concurrent polychemotherapy and radiotherapy in patients with stomal recurrence after total laryngectomy. Balm AJ, et al. **Ann Otol Rhinol Laryngol** 1986 Nov–Dec;95(6 Pt 1):572–5

Hypersensitivity pneumonitis from home mist machine after laryngectomy. Myers CB, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jun;113(6):667–8

Present status of pharyngogastric anastomosis following pharyngolaryngo–oesophagectomy. Lam KH, et al. **Br J Surg** 1987 Feb;74(2):122–5

Examination of swallowing after total laryngectomy using manofluorography. McConnel FM, et al. **Head Neck Surg** 1986 Sep–Oct;9(1):3–12

Manofluorography of deglutition after supraglottic laryngectomy. McConnel FM, et al. **Head Neck Surg** 1987 Jan–Feb;9(3):142–50

Conservative laryngectomy (an effective treatment for severe aspiration in motor neurone disease). Hawthorne M, et al. **J Laryngol Otol** 1987 Mar;101(3):283–5

A custom tracheostoma valve retainer for the laryngectomy patient. Jacob RF, et al. **J Prosthet Dent** 1987 Apr; 57(4):479–82

Surgical salvage for stomal recurrence: a multi–institutional experience. Gluckman JL, et al. **Laryngoscope** 1987 Sep; 97(9):1025–9

"Emergency" laryngectomy and stomal recurrence.Griebie MS, et al. **Laryngoscope** 1987 Sep;97(9):1020–4

Blood transfusions in surgery of the larynx and neck. Levine SB, et al. **Laryngoscope** 1986 Oct;96(10):1095–8

Speaking proficiency variations according to method of alaryngeal voicing. Williams SE, et al. **Laryngoscope** 1987 Jun;97(6):737–9

Coronal sections of larynges from radiation–therapy failures: a clinical–pathologic study. Brandenburg JH, et al. **Otolaryngol Head Neck Surg** 1986 Sep;95(2):213–8

Staple closure of the gullet after laryngectomy: an experimental study. Sessions RB, et al. **Otolaryngol Head Neck Surg** 1986 Nov;95(4):491–9

Lung function and within–breath changes in resistance in patients who have had a laryngectomy. Davidson RN, et al. **Q J Med** 1986 Aug;60(232):753–62

Neck evaluation with barium–enhanced radiographs and CT scans after supraglottic subtotal laryngectomy. Niemeyer JH, et al. **Radiology** 1987 Feb;162(2):493–8

[The role of partial laryngectomy in the treatment of early laryngeal cancer] Hsiao TY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Mar;86(3):295–8 (Eng. Abstr.) **(Chi)**

[Protection of phonatory shunts after total laryngectomy (250 cases surgically treated] Bonelli L. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(2):151–2 (Eng. Abstr.) **(Fre)**

[Pharynx closure by autosuture in pharyngolaryngeal surgery] Pessey JJ. **Rev Laryngol Otol Rhinol (Bord)** 1987; 108(3):257–9 (Eng. Abstr.) **(Fre)**

[A new method of surgical voice rehabilitation: microsurgical jejunum transplantation] Piza H, et al. **Handchir Mikrochir Plast Chir** 1986 Sep;18(5):291–4 (Eng. Abstr.) **(Ger)**

[Olfaction in laryngectomized patients—does a loss of function due to disuse occurs?] Negishi M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Nov;89(11):1679–85 (Eng. Abstr.) **(Jpn)**

[Evaluation of the effectiveness of radiotherapy in patients with advanced laryngeal cancer after total excision of the larynx] Stryjewska B, et al. **Nowotwory** 1986 Oct–Dec; 36(4):312–9 (Eng. Abstr.) **(Pol)**

[Partial laryngectomy in the treatment of laryngeal cancer. Therapeutic results. 10–year retrospective study (1974–1983)] Cotulbea S, et al. **Rev Chir [Otorinolaringol]** 1986 Jul–Sep;31(3):217–21 (Eng. Abstr.) **(Rum)**

ADVERSE EFFECTS

Alterations in nasal physiology after laryngectomy: the nasal cycle. Havas TE, et al. **J Otolaryngol** 1987 Jun;16(3):149–53

[Epidemiology of postoperative infections in cervicofacial surgery] Castelain MH, et al. **Ann Otolaryngol Chir Cervicofac** 1986;103(4):223–6 (Eng. Abstr.) **(Fre)**

[Peri–tracheostomal recurrences following total laryngectomy] Spriano G, et al. **Acta Otorhinolaryngol Ital** 1985 Sep–Oct;5(5):497–505 (Eng. Abstr.) **(Ita)**

[Use of urogranic acid in roentgenologic diagnosis of tracheobronchial lesions in patients after radical laryngectomy of cancer] Szmigielski W, et al. **Otolaryngol Pol** 1986;40(5):364–9 (Eng. Abstr.) **(Pol)**

HISTORY

A historical and histological view of partial laryngectomy. Kirchner JA. **Bull NY Acad Med** 1986 Oct;62(8):808–17

[The achievements of Teodor Heryng in the treatment of laryngeal tuberculosis] Kierzek A. **Przegl Lek** 1987; 44(3):361–5 **(Pol)**

METHODS

Extended supraglottic laryngectomy. Review of 84 cases. Bocca E, et al. **Ann Otol Rhinol Laryngol** 1987 Jul–Aug; 96(4):384–6

Deglutition following supraglottic horizontal laryngectomy. Hirano M, et al. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb; 96(1 Pt 1):7–11

Supracricoid hemilaryngopharyngectomy. Analysis of 240 cases. Laccourreye H, et al. **Ann Otol Rhinol Laryngol** 1987 Mar–Apr;96(2 Pt 1):217–21

Imbrication reconstruction following partial laryngectomy. Liu C, et al. **Ann Otol Rhinol Laryngol** 1986 Nov–Dec;95(6 Pt 1):567–71

Conservation of the hypopharyngeal mucous membrane in total laryngectomy. Schaefer SD, et al. **Arch Otolaryngol Head Neck Surg** 1987 May;113(5):491–5

Supraglottic resection and glottic closure. Biller HF. **Bull NY Acad Med** 1986 Oct;62(8):818–20

Subtotal laryngectomy and immediate extensive reconstruction with cervical skin flap. Wang TD. **Chin Med J [Engl]** 1987 Mar;100(3):185–91

A view of partial laryngectomy in the treatment of laryngeal cancer. Shaw HJ. **J Laryngol Otol** 1987 Feb;101(2):143–54

Entering the pharynx in total laryngectomy. Wei WI, et al. **J Laryngol Otol** 1987 Jun;101(6):589–91

[Reconstruction after supraglottic laryngectomy] Hybáček I. **Cesk Otolaryngol** 1987 Jan;36(1):1–4 (Eng. Abstr.) **(Cze)**

[Supraglottic laryngectomy; oncologic and functional results] van den Broek P, et al. **Ned Tijdschr Geneeskd** 1986 Sep 6;130(36):1608–11 (Eng. Abstr.) **(Dut)**

[Functional subtotal laryngectomy with cricohyodopexy] Piquet JJ. **Acta Otorhinolaryngol Ital** 1986 Jul–Aug; 6(4):345–56 (Eng. Abstr.) **(Fre)**

[Use of high–frequency jet ventilation in vertical partial surgery of the larynx] Mourot F, et al. **Ann Fr Anesth Reanim** 1986;5(4):415–8 (Eng. Abstr.) **(Fre)**

[Functional surgery of cancer of the hypopharynx. Hemilaryngopharyngectomy, posterior pharyngectomy by bilateral cervical approach] Florant A, et al. **Ann Otolaryngol Chir Cervicofac** 1986;103(7):443–53 (Eng. Abstr.) **(Fre)**

[Our experience in reconstructive surgery in glottic cancers] Guerrier B, et al. **Ann Otolaryngol Chir Cervicofac** 1987; 104(3):175–9 (Eng. Abstr.) **(Fre)**

[Partial supracricoid laryngectomy. Technics, indications and results] Laccourreye H, et al. **Ann Otolaryngol Chir Cervicofac** 1987;104(3):163–73 (Eng. Abstr.) **(Fre)**

[Conservative surgery of cancer of the larynx. Cordectomy, hemilaryngectomy, supraglottic laryngectomy] Levy C, et al. **Ann Otolaryngol Chir Cervicofac** 1986;103(6):399–409 (Eng. Abstr.) **(Fre)**

[Requisite selection of surgical technics in the treatment of cancer of the larynx] Pech A, et al. **Ann Otolaryngol Chir Cervicofac** 1986;103(8):565–75 (Eng. Abstr.) **(Fre)**

[Functional subtotal laryngectomies with cricohyoidopexy. Technics, indications, results] Piquet JJ, et al. **Ann Otolaryngol Chir Cervicofac** 1986;103(6):411–5 (Eng. Abstr.) **(Fre)**

[Outcome of pharyngolaryngeal cancers with an insufficient resection] Lacomme Y, et al. **Rev Laryngol Otol Rhinol (Bord)** 1986;107(2):107–11 (Eng. Abstr.) **(Fre)**

[Partial horizontal laryngectomies] Savary M. **Rev Med Suisse Romande** 1986 Jul;106(7):663–72 **(Fre)**

[Partial transverse surgery of the larynx] Savary M. **Ther Umsch** 1987 Feb;44(2):121–30 (Eng. Abstr.) **(Fre)**

[Horizontal supraglottic laryngectomy: tumor delimitation, indication, technic] Zbären P. **Ther Umsch** 1987 Feb; 44(2):131–6 (Eng. Abstr.) **(Ger)**

[Vertical fronto–lateral laryngectomy in cordo–commissural tumors] de Campora E, et al. **Acta Otorhinolaryngol Ital** 1985 Sep–Oct;5(5):491–6 (Eng. Abstr.) **(Ita)**

[Pharyngo–esophageal manometry in horizontal supraglottic laryngectomy] Fiorella R, et al. **Acta Otorhinolaryngol Ital** 1987 Jan–Feb;7(1):33–40 (Eng. Abstr.) **(Ita)**

[Multidisciplinary treatment of carcinoma of the larynx] Yoshino K. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1812–9 (Eng. Abstr.) **(Jpn)**

[The usefulness of toluidine blue in partial operations in laryngeal cancer] Szmeja Z, et al. **Otolaryngol Pol** 1986; 40(3):161–4 (Eng. Abstr.) **(Pol)**

[Classical and current concepts with regard to surgical treatment of cancer of the larynx and metastases to the cervical lymph nodes] Dinu C, et al. **Rev Chir [Otorinolaringol]** 1986 Jul–Sep;31(3):205–12 (Eng. Abstr.) **(Rum)**

[Laryngeal stenosis treated by the Dedo technic] Tomescu E, et al. **Rev Chir [Otorinolaringol]** 1986 Jul–Sep; 31(3):213–6 (Eng. Abstr.) **(Rum)**

[Methodologic basis for laryngectomy after earlier tracheostomy] Nasyrov VA, et al. **Vestn Otorinolaringol** 1987 Mar–Apr;(2):40–3 (Eng. Abstr.) **(Rus)**

[Reconstructive laryngectomy in the treatment of glottic carcinoma] Matić V. **Med Pregl** 1986;39(9–10):473–6 (Eng. Abstr.) **(Scr)**

PSYCHOLOGY

Sensation of thirst in normal and laryngectomized man. Miyaoka Y, et al. **Percept Mot Skills** 1987 Feb;64(1):239–42

Differences in drinking behavior between normal and laryngectomized man. Miyaoka Y, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 2):1088–90

Laryngectomy rehabilitation: a woman's viewpoint. Ulbricht GF. **Women Health** 1986 Fall–Winter;11(3–4):131–6

[Reflections of a hospital nurse team on information to give to future laryngectomized patients] Aubriet N, et al. **Rev Laryngol Otol Rhinol (Bord)** 1986;107(4):327–9 (Eng. Abstr.) **(Fre)**

REHABILITATION

Learning to swallow again. Griffin CW, et al. **Am J Nurs** 1987 Mar;87(3):314–7

Voice rehabilitation practices among head and neck surgeons. Lopez MJ, et al. **Ann Otol Rhinol Laryngol** 1987 May–Jun; 96(3 Pt 1):261–3

Vocal rehabilitation following laryngectomy. McFeeter L. **Aust NZ J Surg** 1986 Nov;56(11):859–62

A custom speech valve retainer for the laryngectomee. Andres CJ, et al. **J Prosthet Dent** 1987 Feb;57(2):208–14

Major complications following tracheoesophageal puncture for voice rehabilitation. Andrews JC, et al. **Laryngoscope** 1987 May;97(5):562–7

Preoperative assessment of tracheoesophageal speech. Baugh RF, et al. **Laryngoscope** 1987 Apr;97(4):461–6

Bilateral omohyoid muscle flap reconstruction for anterior commissure cancer. Calcaterra TC. **Laryngoscope** 1987 Jul; 97(7 Pt 1):810–3

Glottic reconstruction following hemilaryngectomy: false cord advancement flap. Friedman M, et al. **Laryngoscope** 1987 Jul;97(7 Pt 1):882–4

Indications for tracheoesophageal puncture speech rehabilitation. McConnel FM, et al. **Laryngoscope** 1986 Oct; 96(10):1065–8

Pharyngoesophageal myotomy for vocal rehabilitation of laryngectomees. Mahieu HF, et al. **Laryngoscope** 1987 Apr; 97(4):451–7

Primary tracheoesophageal fistula procedure for voice restoration: the University of Texas Medical Branch experience. Stiernberg CM, et al. **Laryngoscope** 1987 Jul; 97(7 Pt 1):820–4

Laryngectomee voice rehabilitation using the Groningen button voice prosthesis. Mahieu HF. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(2):113–9

Experience with Panje voice prosthesis. Panje WR. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(2):129–37

[Instructions for patients in self–care after laryngectomy] Xu ML, et al. **Chung Hua Hu Li Tsa Chih** 1986 Sep;21(6):265–6 **(Chi)**

[Continent tracheo–esophageal fistula by esophageal flap after total laryngectomy] Lacau St. Guily J, et al. **Presse Med** 1987 Mar 21;16(10):487–9 (Eng. Abstr.) **(Fre)**

[Voice rehabilitation for laryngectomized patients] Algaba J. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(2):139–42 (Eng. Abstr.) **(Fre)**

[Prosthesis and surgery in voice rehabilitation after total laryngectomy] Staffieri M. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(2):145–8 (Eng. Abstr.) **(Fre)**

[Vocal rehabilitation of the total laryngectomized patient by phonatory implant. Current results] Traissac L, et al. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(2):157–9 (Eng. Abstr.) **(Fre)**

[Voice rehabilitation after total laryngectomy] Ebihara S. **Gan To Kagaku Ryoho** 1986 Oct;13(11):3109–13 (Eng. Abstr.) **(Jpn)**

[Myotomy of the pharyngo–esophageal sphincter for control of esophageal speech] Tarnowska C, et al. **Otolaryngol Pol** 1986;40(4):272–81 (Eng. Abstr.) **(Pol)**

[Laryngofibroscopy in reconstructive–plastic surgery of the

larynx with endoprosthesis] Kharchenko VP, et al. **Vestn Otorinolaringol** 1986 Nov-Dec;(6):51-3 (Eng. Abstr.) **(Rus)**

TRENDS

The Joseph H. Ogura memorial lecture: conservation surgery past, present, and future. Biller HF. **Laryngoscope** 1987 Jan; 97(1):38-41

VETERINARY

Neodymium (Nd):YAG laser surgery in the equine larynx: a pilot study. Tate LP, et al. **Lasers Surg Med** 1986; 6(5):473-6

LARYNGISMUS

COMPLICATIONS

Pulmonary edema in a young, healthy woman [letter] Moon RE, et al. **Chest** 1987 Aug;92(2):385-6

[Pulmonary edema after laryngospasm] Arnaud D, et al. **Ann Fr Anesth Reanim** 1987;6(1):42-4 (Eng. Abstr.) **(Fre)**

[Laryngospasm and pulmonary edema (letter)] Tachoires D. **Ann Fr Anesth Reanim** 1987;6(4):367 **(Fre)**

ETIOLOGY

Stridor due to drug-induced hypokalaemic alkalosis. Sarkar SK. **J Laryngol Otol** 1987 Feb;101(2):197-8

LARYNGITIS

Infectious croup: a critical review. Baugh R, et al. **Otolaryngol Head Neck Surg** 1986 Jul;95(1):40-6 (65 ref.)

[Acute epiglottitis in adults--clinical aspects and therapy] Hultcrantz M, et al. **Lakartidningen** 1987 Mar 4; 84(10):746-8 (Eng. Abstr.) **(Swe)**

COMPLICATIONS

Croup and cystic fibrosis [letter] Laufer P. **Ear Nose Throat J** 1987 Mar;66(3):123-5

Fatal Serratia marcescens epiglottitis in a patient with leukaemia [letter] Parment PA, et al. **J Infect** 1987 May; 14(3):280

Airway obstructions. Wheeler AP, et al. **J Tenn Med Assoc** 1987 Feb;80(2):90

Adverse effects of racemic epinephrine in epiglottitis. Kissoon N, et al. **Pediatr Emerg Care** 1985 Sep;1(3):143-4

[Various questions concerning the etiopathogenesis and clinical picture of acute stenosing laryngotracheobronchitis of viral etiology in children] Timoshkin AA. **Tr Inst Pastera** 1985;63:34-9 **(Rus)**

[Superficial abscess of the root of the tongue complicated by parapharyngeal phlegmon] Gulin KS, et al. **Vestn Otorinolaringol** 1986 Nov-Dec;(6):81-2 **(Rus)**

DIAGNOSIS

Epiglottitis in young infants. Blackstock D, et al. **Anesthesiology** 1987 Jul;67(1):97-100

Diagnosis and management of acute epiglottitis in children [letter] **Crit Care Med** 1986 Nov;14(11):995-7

Acute epiglottitis in children [letter] Venturelli J. **Crit Care Med** 1987 Jan;15(1):86-7

Adult epiglottitis. Warshawski J, et al. **J Otolaryngol** 1986 Dec;15(6):362-5

Diagnostic and therapeutic efficiency in croup and epiglottitis. Hodge KM, et al. **Laryngoscope** 1987 May; 97(5):621-5

Supraglottitis in young adults. Baugh RF, et al. **South Med J** 1987 Aug;80(8):981-3

[Neonatal herpetic infection disclosed by laryngitis. Apropos a case report] Aujard Y, et al. **Ann Pediatr (Paris)** 1986 Nov;33(9):815-6, 819 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Croup, nebulised adrenaline and preservatives [letter] Hinton W, et al. **Anaesthesia** 1987 Apr;42(4):436-7

Nebulised adrenaline 1:1000 in the treatment of croup. Remington S, et al. **Anaesthesia** 1986 Sep;41(9):923-6

Use of steroids and a long-acting vasoconstrictor in the treatment of postintubation croup. A ferret model. Postma DS, et al. **Arch Otolaryngol Head Neck Surg** 1987 Aug; 113(8):844-9

Sulbactam/ampicillin in the treatment of acute epiglottitis in children. Wald E, et al. **Rev Infect Dis** 1986 Nov-Dec; 8 Suppl 5:S617-9

[Clinical studies on T-2588 in the field of otorhinolaryngology] Kawasaki Y, et al. **Jpn J Antibiot** 1986 Oct;39(10):2710-5 (Eng. Abstr.) **(Jpn)**

[Retrospective analysis of the effects of corticosteroid therapy on the length of hospitalization of children with acute laryngotracheitis] Margan-Nikolić A. **Lijec Vjesn** 1987 Apr-May;109(4-5):156-7 (Eng. Abstr.) **(Scr)**

ETIOLOGY

Candida epiglottitis in an adult with acute nonlymphocytic leukemia. Cole S, et al. **Am J Med** 1987 Mar 23;82(3 Spec No):662-4

Flu alert: adult epiglottitis [news] Cooper KL, et al. **Am J Nurs** 1987 Jan;87(1):12-3

Passive smoking and croup. Salzman MB, et al. **Arch Otolaryngol Head Neck Surg** 1987 Aug;113(8):866-8

Candida epiglottitis in immunocompromised patients. Walsh TJ, et al. **Chest** 1987 Apr;91(4):482-5

Haemophilus influenzae type b strains of outer membrane subtypes 1 and 1c cause different types of invasive disease. Takala AK, et al. **Lancet** 1987 Sep 19;2(8560):647-50

[Laryngeal pathology and occupational exposure to glass fibers. Does a cancerous risk exist?] Dauphin D, et al. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(1):67-70 (Eng. Abstr.) **(Fre)**

[Stenosing laryngotracheitis (pseudocroup). Current review of etiology, pathophysiology, differential diagnosis and therapy--air pollutants: an etiologic factor?] Severien C, et al. **Fortschr Med** 1987 Jan 30;105(3):39-42 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

[Characteristics of immunologic disorders in patients with precancerous conditions and cancer of the larynx] Shtil' AA, et al. **Vestn Otorinolaringol** 1986 Nov-Dec;(6):75-8 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Supraglottitis and Hemophilus parainfluenzae: pathogenic potential of the organism. Dudley JP. **Ann Otol Rhinol Laryngol** 1987 Jul-Aug;96(4):400-2

Acute epiglottitis in the adult. Devita MA, et al. **Crit Care Med** 1986 Dec;14(12):1082-3

OCCURRENCE

Ten years' experience of Haemophilus influenzae infection at Birmingham Children's Hospital. Dyas A, et al. **J Infect** 1986 Sep;13(2):179-85

Epiglottitis in a community hospital. Coffey JD Jr. **J Miss State Med Assoc** 1986 Aug;27(8):209-13

[Pseudocroup and air pollution. Results of a cross-sectional study in Darmstadt, I] Wemmer U. **Off Gesundheitswes** 1987 May;49(5):255-60 (Eng. Abstr.) **(Ger)**

[Retrospective analysis of the epidemiologic characteristics of acute viral laryngotracheitis] Margan-Nikolić A. **Lijec Vjesn** 1987 Jan;109(1):14-6 (Eng. Abstr.) **(Scr)**

PATHOLOGY

Bacterial croup and toxic shock syndrome. Chenaud M, et al. **Eur J Pediatr** 1986 Sep;145(4):306-7

[Clinical pathology of chronic hyperplastic laryngitis. 1. The epithelial structure of the transitional zone of the larynx] Goertchen R, et al. **Zentralbl Allg Pathol** 1986;131(6):541-6 (Eng. Abstr.) **(Ger)**

[Clinical pathology of chronic hyperplastic laryngitis. 2. Clinical, morphological and statistical studies with special reference to precancerous changes] Stosiek P, et al. **Zentralbl Allg Pathol** 1986;132(3):267-76 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Recurring epiglottitis in an adult. Guss DA, et al. **Ann Emerg Med** 1987 Apr;16(4):441-4

THERAPY

Acute epiglottitis: an overview. Blanc VF, et al. **Acta Anaesthesiol Belg** 1986;37(3):171-8

When to extubate the croup patient: the "leak" testAdderley RJ, et al. **Can J Anaesth** 1987 May;34(3 (Pt 1)):304-6

Cuffed tubes in pediatric patients [letter] **Crit Care Med** 1987 Jun;15(6):626-7

Management of acute epiglottitis [letter] Fisher GC. **Crit Care Med** 1987 Feb;15(2):182-3

Management of acute epiglottitis in pediatric patients [letter] Griffith JA, et al. **Crit Care Med** 1987 Mar;15(3):283

Acute epiglottitis: management by short duration of intubation and hospitalisation. Gerber AC, et al. **Intensive Care Med** 1986;12(6):407-11

A comparison of endotracheal intubation and tracheostomy in the management of acute epiglottitis in children in the tropics. Odetoyinbo O. **J Laryngol Otol** 1986 Nov; 100(11):1273-8

Treatment of adult epiglottitis [letter] Hassard AD. **J Otolaryngol** 1987 Mar;16(2):125

Acute epiglottitis in adults [letter] **N Engl J Med** 1986 Oct 30;315(18):1163-4

Duration of intubation in children with acute epiglottitis. Gonzalez C, et al. **Otolaryngol Head Neck Surg** 1986 Nov; 95(4):477-81

Croup: IPPB and/or racemic epinephrine therapy [letter] Bass JW. **Pediatrics** 1978 Jan;61(1):148-9

[Current aspects of the croup syndrome (pseudocroup)] Dietzsch HJ, et al. **Kinderarztl Prax** 1986 Oct;54(10):565-8 (Eng. Abstr.) **(Ger)**

[Treatment of the croup syndrome in children at the resuscitation stage] Kvartovkin KK, et al. **Anesteziol Reanimatol** 1986 Sep-Oct;(5):60-2 (Eng. Abstr.) **(Rus)**

[Basis for intensive therapy of acute laryngotracheitis (croup) in children] Kireev SS. **Pediatriia** 1986 Sep;(9):33-6 **(Rus)**

[Treatment of croup in acute viral respiratory infections in children] Nosov SD. **Pediatriia** 1986 Oct;(10):56-8 **(Rus)**

[Use of human leukocyte interferon in treating patients with acute stenosing laryngotracheitis] Kozlova OL. **Tr Inst Pastera** 1985;62:124-5 **(Rus)**

VETERINARY

[Outbreak of infectious laryngotracheitis (ILT) in a flock of young hens] Hoop R, et al. **Schweiz Arch Tierheilkd** 1986 Aug;128(8):433-8 (Eng. Abstr.) **(Ger)**

LARYNGOSCOPY

Thoracolumbar epidural anaesthesia blocks the circulatory response to laryngoscopy and intubation. Wattwil M, et al. **Acta Anaesthesiol Scand** 1987 Aug;31(6):529-31

Direct laryngoscopy as an aid to relieve airway obstruction in a patient with a mediastinal mass. deSoto H. **Anesthesiology** 1987 Jul;67(1):116-7

Changes in EEG spectral edge frequency correlate with the hemodynamic response to laryngoscopy and intubation. Rampil IJ, et al. **Anesthesiology** 1987 Jul;67(1):139-42

Methohexitone anaesthesia for microlaryngoscopy: circulatory modulation with metoprolol and dihydralazine. Magnusson H, et al. **Br J Anaesth** 1986 Sep;58(9):976-82

Cardiovascular and catecholamine responses to laryngoscopy with and without tracheal intubation. Shribman AJ, et al. **Br J Anaesth** 1987 Mar;59(3):295-9

The presentation of laryngeal tuberculosis. Smallman LA, et al. **Clin Otolaryngol** 1987 Jun;12(3):221-5

The usefulness and significance of naso-pharyngo-laryngo-tracheal fiberscopy in thyroid surgery. Sugenoya A, et al. **Endoscopy** 1987 Mar;19(2):51-3

Attenuation of pulse rate & blood pressure-response to laryngoscopy & intubation with verapamil. Puri GD, et al. **Indian J Med Res** 1986 Nov;84:548-51

Laser laryngoscopic management of internal laryngocele. Komisar A. **Laryngoscope** 1987 Mar;97(3 Pt 1):368-9

Plasma beta-endorphin levels during laryngoscopy and tracheal intubation with and without using fentanyl preloading. Lee TK, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Jun;24(2):94-104

[Magnifying laryngoscopy in the diagnosis of laryngeal tumors] Kasik P, et al. **Cesk Otolaryngol** 1987 Mar; 36(2):125-7 (Eng. Abstr.) **(Cze)**

[Laryngotracheobronchial endoscopy of newborn and young infants: the results in the light of 300 cases] Baillot P, et al. **Ann Pediatr (Paris)** 1986 Nov;33(9):855-6 (Eng. Abstr.) **(Fre)**

[Use of lidocaine by the topical route for the practice of indirect laryngoscopy. Study of plasma concentrations during and after its administration] Ayuso MA, et al. **Rev Laryngol Otol Rhinol (Bord)** 1986;107(2):157-9 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Attenuation of circulatory response to laryngoscopy and tracheal intubation--a comparative study of different low doses of fentanyl with or without additional lidocaine in various regimens. Yang MW, et al. **Ma Tsui Hsueh Tsa Chi** 1985 Jun;23(2):54-60

[Compare the influence of blood pressure and heart rate response to laryngoscopy and tracheal intubation with lidocaine and fentanyl] Yang CY, et al. **Ma Tsui Hsueh Tsa Chi** 1985 Mar;23(1):22-6 (Eng. Abstr.) **(Chi)**

[Tracheal stenosis following direct laryngoscopy] Mialon P, et al. **Rev Mal Respir** 1987;4(1):43-5 (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

Modification of Macintosh laryngoscope for difficult intubation [letter] Callander CC, et al. **Anaesthesia** 1987 Jun;42(6):671-2

A new integrated suction laryngoscope [letter] Gabrielczyk MR. **Anaesthesia** 1986 Sep;41(9):970-1

A laryngoscope adaptor for difficult intubation. Yentis SM. **Anaesthesia** 1987 Jul;42(7):764-6

The development of flexible fiberoptic video nasendoscopy (FFVN). Clinical-teaching-research applications. Wilson FB, et al. **ASHA** 1986 Nov;28(11):25-30

The flexible fibreoptic rhinolaryngoscope [editorial] Lancer JM, et al. **Br Med J [Clin Res]** 1986 Sep 20;293(6549):712-3

Outpatient fibreoptic nasolaryngoscopy and videostroboscopy. Weir N, et al. **J R Soc Med** 1987 May; 80(5):299-300

On buying a telescope for videolaryngoscopy. Painter C, et al. **Laryngoscope** 1987 Jun;97(6):758-63

[Experiences with catheter jet ventilation in interventions of the larynx and trachea] Hanf L, et al. **Anaesthesiol Reanim** 1987;12(3):151-7 (Eng. Abstr.) **(Ger)**

[Normofrequent jet ventilation for microlaryngoscopy and endolaryngeal microsurgery--introduction of a set of ventilating tubes and clinical experiences] Weber F, et al. **Anaesthesiol Reanim** 1987;12(3):145-50 (Eng. Abstr.) **(Ger)**

[Indications and technics of laryngo-tracheo-bronchoscopy in newborn infants] Minnigerode B, et al. **HNO** 1986 Sep; 34(9):368-71 (Eng. Abstr.) **(Ger)**

[Diagnostic and prognostic significance of electromyography in laryngeal movement disorders] Laskawi R, et al. **Nervenarzt** 1987 Jan;58(1):4-7 (Eng. Abstr.) **(Ger)**

METHODS

Percutaneous transtracheal high-frequency jet ventilation as an aid to fiberoptic intubation. Boucek CD, et al. **Anesthesiology** 1987 Aug;67(2):247-9
A modification of laryngoscopy technique [letter] King HK, et al. **Anesthesiology** 1986 Nov;65(5):566
Flexible laryngoscopy in neonates, infants, and young children. Hawkins DB, et al. **Ann Otol Rhinol Laryngol** 1987 Jan-Feb;96(1 Pt 1):81-5
Clinical signs of difficult direct laryngoscopy [letter] Baysinger CL, et al. **Can J Anaesth** 1987 Jan;34(1):103-5
[Propofol versus propanidid for the conduction of suspension laryngoscopy] Bertrand D, et al. **Ann Fr Anesth Reanim** 1987;6(4):289-92 (Eng. Abstr.) **(Fre)**
[Etomidate-diazepam for suspension laryngoscopy with spontaneous ventilation] Clément HJ, et al. **Can Anesthesiol** 1987 Jan-Feb;35(1):39-43 **(Fre)**
[Local anesthesia in direct exploratory microlaryngoscopy] Mashkova TA, et al. **Vestn Otorinolaringol** 1987 May-Jun; (3):37-9 (Eng. Abstr.) **(Rus)**

LARYNGOSPASM see **LARYNGISMUS**

LARYNGOSTENOSIS

COMPLICATIONS

Glottic and tracheal stenosis in spinal cord injured patients. Hsu S, et al. **Paraplegia** 1987 Apr;25(2):136-48

CONGENITAL

Treatment of congenital cricoid stenosis. Berkovits RN, et al. **Prog Pediatr Surg** 1987;21:20-8

DIAGNOSIS

Subglottic stenosis: retrospective analysis and proposal for standard reporting system. Grundfast KM, et al. **Ann Otol Rhinol Laryngol** 1987 Jan-Feb;96(1 Pt 1):101-5
Cicatricial pemphigoid of upper digestive and respiratory tracts. Bergstrom L. **Clin Dermatol** 1987 Jan-Mar; 5(1):36-42
Diagnosis of acquired subglottic stenosis [letter] Myer CM 3d. **J Pediatr** 1987 Jan;110(1):163-4

ETIOLOGY

Airway complications in patients with closed-head injuries. Nowak P, et al. **Am J Otolaryngol** 1987 Mar-Apr;8(2):91-6
Severe upper airway obstruction and difficult intubation in cicatricial pemphigoid. Drenger B, et al. **Anaesthesia** 1986 Oct;41(10):1029-31
Cricoarytenoid arthritis: a cause of laryngeal obstruction. Leicht MJ, et al. **Ann Emerg Med** 1987 Aug;16(8):885-8 (81 ref.)
Risk factors for neonatal acquired subglottic stenosis. Dankle SK, et al. **Ann Otol Rhinol Laryngol** 1986 Nov-Dec;95(6 Pt 1):626-30
Pathogenesis of subglottic stenosis from endotracheal intubation. Hawkins DB. **Ann Otol Rhinol Laryngol** 1987 Jan-Feb;96(1 Pt 1):116-7
Prolonged intubation of neonates. Dankle SK, et al. **Arch Otolaryngol Head Neck Surg** 1987 Aug;113(8):841-3
Stenosis of the larynx following Teflon injection. Pohris E, et al. **Arch Otorhinolaryngol** 1987;244(1):44-8
Subglottic stenosis in children. Nuwayhid NS. **J Med Liban** 1986;36(4):159-64
[Tracheal and laryngeal stenosis caused by tracheal intubation] H'Mida MJ, et al. **Cah Anesthesiol** 1986 Nov; 34(7):581-5 **(Fre)**
[Laryngotracheal stenosis caused by intubation] Pia F, et al. **Acta Otorhinolaryngol Ital** 1986 Nov-Dec;6(6):631-40 (Eng. Abstr.) **(Ita)**
[Various questions concerning the etiopathogenesis and clinical picture of acute stenosing laryngotracheobronchitis of viral etiology in children] Timoshkin AA. **Tr Inst Pastera** 1985;63:34-9 **(Rus)**
[Laryngotracheal complications of intubation in children (the causes and ways of prevention)] Aslanian GG. **Vestn Otorinolaringol** 1986 Sep-Oct;(5):55-60 (Eng. Abstr.) **(Rus)**

PATHOLOGY

A morphometric study of the growth of the subglottis after endolaryngeal trauma. Adriaansen FC, et al. **Int J Pediatr Otorhinolaryngol** 1986 Dec;12(2):217-26
A histologic study of the growth of the subglottis after endolaryngeal trauma. Adriaansen FC, et al. **Int J Pediatr Otorhinolaryngol** 1986 Dec;12(2):205-15
[Spontaneous thyroid gland hemorrhage as a cause of acute laryngostenosis] Reck R. **Laryngol Rhinol Otol (Stuttg)** 1986 Sep;65(9):521-2 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Roentgenologic diagnosis of cicatricial stenosis of the larynx and upper segments of the trachea in children] Surenchik VI, et al. **Vestn Otorinolaringol** 1987 Jan-Feb;(1):54-60 (Eng. Abstr.) **(Rus)**

SURGERY

Staged repair of extensive tracheal and laryngotracheal stenoses. Biller HF, et al. **Ann Otol Rhinol Laryngol** 1986 Nov-Dec;95(6 Pt 1):586-9
Laryngotracheal reconstruction. Sternohyoid myocutaneous rotary door flap. Eliachar I, et al. **Arch Otolaryngol Head Neck Surg** 1987 Oct;113(10):1094-7
Proximal large-bore jet ventilation for laryngeal laser surgery. Koufman JA, et al. **Arch Otolaryngol Head Neck Surg** 1987 Mar;113(3):314-20
Bone and cartilage in the repair of laryngotracheal stenosis. Nolph MB, et al. **Ear Nose Throat J** 1986 Nov; 65(11):528-34
Iatrogenic subglottic stenosis leading to tracheostomy in childhood [letter] Jennings P. **Lancet** 1987 Sep 12; 2(8559):631
The microtrapdoor technique for the management of laryngeal stenosis. Duncavage JA, et al. **Laryngoscope** 1987 Jul;97(7 Pt 1):825-8
Anterior cricoid split: the Chicago experience with an alternative to tracheotomy. Holinger LD, et al. **Laryngoscope** 1987 Jan;97(1):19-24
CO2 laser management of laryngeal stenosis. Schmidt FW, et al. **Otolaryngol Head Neck Surg** 1986 Nov;95(4):485-90
Surgical correction of laryngotracheal stenoses in children. Hof E. **Prog Pediatr Surg** 1987;21:29-35
[Therapy of tracheal stenoses] Mang WL, et al. **HNO** 1987 Jul;35(7):286-90 (Eng. Abstr.) **(Ger)**
[Cranioplastic implant for laryngeal stenosis--experimental results in cats] Brama I, et al. **Harefuah** 1986 Aug; 111(3-4):69-71 (Eng. Abstr.) **(Heb)**
[Laryngeal stenosis treated by the Dedo technic] Tomescu E, et al. **Rev Chir [Otorinolaringol]** 1986 Jul-Sep; 31(3):213-6 (Eng. Abstr.) **(Rum)**
[Submucosal myoarytenoid resection in laryngeal stenoses of paralytic etiology] Lapchenko SN, et al. **Vestn Otorinolaringol** 1987 Jul-Aug;(4):44-8 (Eng. Abstr.) **(Rus)**
[Surgical treatment of post-intubation cicatricial stenoses of the larynx in young children] Shuster MA, et al. **Vestn Otorinolaringol** 1987 May-Jun;(3):53-8 (Eng. Abstr.) **(Rus)**

THERAPY

Dilatation of laryngeal and tracheal stenoses. Ganzer U. **ORL J Otorhinolaryngol Relat Spec** 1987;49(3):145-8
Early and late dilatation for acquired subglottic stenosis. Campbell BH, et al. **Otolaryngol Head Neck Surg** 1986 Dec; 95(5):566-73
[Montgomery's tube in laryngotracheal stenoses in children (11 cases)] Morgon A, et al. **Ann Otolaryngol Chir Cervicofac** 1986;103(8):577-80 (Eng. Abstr.) **(Fre)**
[The autostatic intralaryngeal tube in the treatment and prevention of laryngotracheal stenosis in children] Traissac L, et al. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(3):253-5 (Eng. Abstr.) **(Fre)**

LARYNX

Laryngotracheal foreign bodies in children. A comparison with bronchial foreign bodies. Esclamado RM, et al. **Am J Dis Child** 1987 Mar;141(3):259-62
Translaryngeal cannula ventilation: continuing misconceptions [letter] **Anesthesiology** 1987 Sep;67(3):445-7
A subglottic foreign body in an adult patient. Requena R, et al. **NY State J Med** 1987 Jan;87(1):46-7
Pulmonary edema due to acute upper airway obstruction from aspirated foreign body. Izsak E. **Pediatr Emerg Care** 1986 Dec;2(4):235-7

ABNORMALITIES

Deleterious consequences of gastroesophageal reflux in cleft larynx surgery. Hof E, et al. **J Pediatr Surg** 1987 Mar; 22(3):197-9
Congenital laryngeal atresia. Gatti WM, et al. **Laryngoscope** 1987 Aug;97(8 Pt 1):966-9
Laser laryngoscopic management of internal laryngocele. Komisar A. **Laryngoscope** 1987 Mar;97(3 Pt 1):368-9
"Occult" posterior laryngeal cleft.Tucker GF Jr, et al. **Laryngoscope** 1987 Jun;97(6):701-4
Surgical treatment of congenital laryngotracheo-oesophageal cleft. Berkovits RN, et al. **Prog Pediatr Surg** 1987;21:36-46
[Difficult intubation due to an unusual anomaly of the larynx] Gerig HJ, et al. **Anaesthesist** 1986 Aug;35(8):514-5 (Eng. Abstr.) **(Ger)**
[Respiratory emergency in the newborn infant: extreme laryngotracheo-esophageal cleft (esophagotrachea)] Richter A, et al. **Monatsschr Kinderheilkd** 1986 Dec; 134(12):874-7 (Eng. Abstr.) **(Ger)**
[A case of laryngo-tracheo-esophageal cleft] Nowicka B, et al. **Otolaryngol Pol** 1986;40(2):148-51 (Eng. Abstr.) **(Pol)**
[Laryngocele] Fortuny JC, et al. **An Otorrinolaringol Ibero Am** 1987;14(4):453-61 (Eng. Abstr.) **(Spa)**

ANALYSIS

Estrogen receptor in the larynx of the aged baboon (Papio cynocephalus). Holt GR, et al. **Ann Otol Rhinol Laryngol** 1986 Nov-Dec;95(6 Pt 1):608-17
Androgen receptors in normal and neoplastic laryngeal tissue. Večerina-Volić S, et al. **Arch Otolaryngol Head Neck Surg** 1987 Apr;113(4):411-3

ANATOMY & HISTOLOGY

Subepithelial mucous glands in the adult human larynx. Studies on number, distribution and density. Bak-Pedersen K, et al. **Acta Otolaryngol (Stockh)** 1986 Sep-Oct; 102(3-4):341-52
Intralaryngeal barriers to the spread of cancer. Kirchner JA, et al. **Acta Otolaryngol (Stockh)** 1987 May-Jun; 103(5-6):503-13
Attachment of some internal laryngeal muscles at the base of the arytenoid cartilage. Mossallam I, et al. **Acta Otolaryngol (Stockh)** 1987 May-Jun;103(5-6):649-56
Position of the larynx in odontoceti (toothed whales). Reidenberg JS, et al. **Anat Rec** 1987 May;218(1):98-106
Twelfth Daniel C. Baker Jr memorial lecture: Victor Negus: 57 years later. Harrison DF. **Ann Otol Rhinol Laryngol** 1986 Nov-Dec;95(6 Pt 1):561-6
Sonographic anatomy of the larynx, with particular reference to the vocal cords. Raghavendra BN, et al. **J Ultrasound Med** 1987 May;6(5):225-30
Anatomical observations in the arytenoid region of the mouse with special reference to the function of the taste buds. Nakano T, et al. **Z Mikrosk Anat Forsch** 1987;101(2):205-11
[Peculiarities of orotracheal intubation in the pig] de la Torre Gutiérrez SV, et al. **Rev Esp Anestesiol Reanim** 1986 Nov-Dec;33(6):405-7 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

[Vascularization of the larynx. Update of classical anatomic data from an anatomical study of 100 subjects] Trotoux J, et al. **Ann Otolaryngol Chir Cervicofac** 1986;103(6):389-97 (Eng. Abstr.) **(Fre)**
[Course and branches of the recurrent laryngeal nerve, inferior thyroid artery and inferior laryngeal artery] Lang J, et al. **Gegenbaurs Morphol Jahrb** 1986;132(5):617-43 (Eng. Abstr.) **(Ger)**

CYTOLOGY

The surface structures of the laryngopharyngeal epithelium of the mouse with special reference to the degree of keratinization. Nakano T, et al. **Okajimas Folia Anat Jpn** 1986 Oct;63(4):193-207

DRUG EFFECTS

Histologic and histochemical study of effects of anabolic steroids on the female larynx. Talaat M, et al. **Ann Otol Rhinol Laryngol** 1987 Jul-Aug;96(4):468-71
The in situ isolated larynx for evaluating peripheral opiate receptor antagonists. Willette RN, et al. **J Pharmacol Methods** 1987 Mar;17(1):15-25
[Side effects of drugs on the larynx] Martin F. **Laryngol Rhinol Otol (Stuttg)** 1986 Sep;65(9):477-9 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Developmental change in the position of the fetal human larynx. Magriples U, et al. **Am J Phys Anthropol** 1987 Apr; 72(4):463-72

GROWTH & DEVELOPMENT

The sexually dimorphic larynx of Xenopus laevis: development and androgen regulation. Sassoon D, et al. **Am J Anat** 1986 Dec;177(4):457-72

INJURIES

Airway lesions caused by prolonged intubation with standard and with anatomically shaped tracheal tubes. A post-mortem study. Eckerbom B, et al. **Acta Anaesthesiol Scand** 1986 Jul;30(5):366-73
Acute blunt laryngeal and tracheal trauma. Camnitz PS, et al. **Am J Emerg Med** 1987 Mar;5(2):157-62
Airway injuries. The first priority in trauma. Edwards WH Jr, et al. **Am Surg** 1987 Apr;53(4):192-7
Laryngotracheal trauma. Mathisen DJ, et al. **Ann Thorac Surg** 1987 Mar;43(3):254-62
A morphometric study of the growth of the subglottis after endolaryngeal trauma. Adriaansen FC, et al. **Int J Pediatr Otorhinolaryngol** 1986 Dec;12(2):217-26
A histologic study of the growth of the subglottis after endolaryngeal trauma. Adriaansen FC, et al. **Int J Pediatr Otorhinolaryngol** 1986 Dec;12(2):205-15
Laryngotracheal injury associated with nasotracheal intubation in the horse. Holland M, et al. **J Am Vet Med Assoc** 1986 Dec 1;189(11):1447-50
Extrinsic civilian trauma to the larynx and cervical trachea--important predictors of long-term morbidity. Angood PB, et al. **J Trauma** 1986 Oct;26(10):869-73
The management of acute laryngeal trauma. Myers EM, et al. **J Trauma** 1987 Apr;27(4):448-52
Blunt laryngeal trauma in children. Myer CM 3d, et al. **Laryngoscope** 1987 Sep;97(9):1043-8
Cervical osteophytosis and laryngeal trauma. Vanezis P, et al. **Med Sci Law** 1987 Apr;27(2):99-102
Chain saw injury to the larynx. Lim RY. **W Va Med J** 1987 Mar;83(3):118-9
[Injuries to laryngeal articulations in strangulation and

throttling] Maxeiner H. **Arch Kriminol** 1987 Jan–Feb; 179(1–2):38–44 (Eng. Abstr.) **(Ger)**

[Injury of the neck with circular dissection of the esophagus and larynx] Bocharov IuV, et al. **Vestn Otorinolaringol** 1986 Sep–Oct;(5):76–7 **(Rus)**

[Fracture of the hyoid bone with laryngeal changes caused by boxing injuries] Bukić M, et al. **Srp Arh Celok Lek** 1986 Nov–Dec;114(11–12):1075–81 (Eng. Abstr.) **(Scc)**

[Control of the airways in laryngo–tracheal injuries. Difficulties during anesthetic induction] Blanco J, et al. **Rev Esp Anestesiol Reanim** 1987 May–Jun;34(3):214–6 (Eng. Abstr.) **(Spa)**

[Anesthesia and resuscitation in laryngeal injuries. Apropos of a case (letter)] Unzueta Merino MC, et al. **Rev Esp Anestesiol Reanim** 1986 Jul–Aug;33(4):274 **(Spa)**

METABOLISM

Androgen–binding levels in a sexually dimorphic muscle of Xenopus laevis. Segil N, et al. **Gen Comp Endocrinol** 1987 Apr;66(1):95–101

Acute effect of cigarette smoke on laryngeal receptors. Lee LY, et al. **J Appl Physiol** 1987 Apr;62(4):1575–81

The distribution of arsenic and cobalt in patients with laryngeal carcinoma. Collecchi P, et al. **J Appl Toxicol** 1986 Aug;6(4):287–9

PATHOLOGY

Significance of keratosis and dyskeratosis for classifying hyperplastic aberrations of laryngeal mucosa. Kambič V, et al. **Am J Otolaryngol** 1986 Sep–Oct;7(5):323–33

Neuroendocrine carcinoma of the larynx. Porto DP, et al. **Am J Otolaryngol** 1987 Mar–Apr;8(2):97–104

Squamous carcinoma of the lung in a nonirradiated, nonsmoking patient with juvenile laryngotracheal papillomatosis. Helmuth RA, et al. **Am J Surg Pathol** 1987 Aug;11(8):643–50

Thermal effects of photodynamic therapy on the larynx. Experimental study. Abramson AL, et al. **Arch Otolaryngol Head Neck Surg** 1987 Aug;113(8):854–8

The laryngeal vestibule and voice quality. Painter C. **Arch Otorhinolaryngol** 1986;243(5):329–37

Squamous cell hyperplasia of the larynx (a clinical follow–up study). Kalter PO, et al. **J Laryngol Otol** 1987 Jun; 101(6):579–88

A simple and inexpensive method for laryngeal photography with the operating microscope. Kambič V, et al. **J Laryngol Otol** 1986 Nov;100(11):1269–72

Observations on the size of the saccule in laryngectomy specimens. Birt D. **Laryngoscope** 1987 Feb;97(2):190–200

Coronal sections of larynges from radiation–therapy failures: a clinical–pathologic study. Brandenburg JH, et al. **Otolaryngol Head Neck Surg** 1986 Sep;95(2):213–8

[Pathomorphologic findings in the larynx in small children after prolonged tracheal intubation] Bednaříková L, et al. **Cesk Otolaryngol** 1987 Jan;36(1):5–8 (Eng. Abstr.) **(Cze)**

[Severe laryngeal dysplasia and synthetic retinoids] Prades JM, et al. **Ann Otolaryngol Chir Cervicofac** 1987;104(1):21–7 (Eng. Abstr.) **(Fre)**

[The bolus problem] Klinger J, et al. **Z Arztl Fortbild (Jena)** 1987;81(2):87–8 **(Ger)**

[Clinical pathology of chronic hyperplastic laryngitis. 1. The epithelial structure of the transitional zone of the larynx] Goertchen R, et al. **Zentralbl Allg Pathol** 1986;131(6):541–6 (Eng. Abstr.) **(Ger)**

[Clinical pathology of chronic hyperplastic laryngitis. 2. Clinical, morphological and statistical studies with special reference to precancerous changes] Stosiek P, et al. **Zentralbl Allg Pathol** 1986;132(3):267–76 (Eng. Abstr.) **(Ger)**

[Healthy and pathologically changed laryngeal epithelium in a model. 1] Bentz W, et al. **ZFA** 1987 Mar–Apr; 42(2):89–92 (Eng. Abstr.) **(Ger)**

[Intralaryngeal invasion of carcinoma of the hypopharynx] Kurita S, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Jul; 89(7):899–904 (Eng. Abstr.) **(Jpn)**

[Clinical histopathological study of the origins of laryngeal carcinoma—influence of smoking on the larynx] Yoshino K. **Nippon Jibiinkoka Gakkai Kaiho** 1987 May;90(5):741–54 (Eng. Abstr.) **(Jpn)**

[Laryngeal pseudo–papillomatosis of probable tuberculous origin in a preschool child] Castañeda–Narváez JL, et al. **Bol Med Hosp Infant Mex** 1986 Nov;43(11):698–701 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Phrenic output changes due to progressive airway denervation in rabbits. Kamosińska B, et al. **Bull Eur Physiopathol Respir** 1987 Mar–Apr;23(2):155–61

Does nalbuphine reverse opioid obtuned laryngeal reflexes? [letter] Samson B, et al. **Can Anaesth Soc J** 1986 Nov; 33(6):825–6

A model for vocal fold vibratory motion, contact area, and the electroglottogram. Childers DG, et al. **J Acoust Soc Am** 1986 Nov;80(5):1309–20

An aerodynamic study of Korean stop consonants: measurements and modeling. Dart SN. **J Acoust Soc Am** 1987 Jan;81(1):138–47

Role of upper airway in ventilatory control in awake and sleeping dogs. Stradling JR, et al. **J Appl Physiol** 1987 Mar; 62(3):1167–73

Laryngeal modeling: theoretical, in vitro, in vivo. Berke GS, et al. **Laryngoscope** 1987 Jul;97(7 Pt 1):871–81

Laryngeal chemoreflex: anatomic and physiologic study by use of the superior laryngeal nerve in the piglet. Goding GS, et al. **Otolaryngol Head Neck Surg** 1987 Jul;97(1):28–38

Posterior wall pharyngectomy with preservation of laryngeal function. Salassa JR, et al. **Otolaryngol Head Neck Surg** 1987 Jul;97(1):79–82

Control of laryngeal muscle activity in preterm infants. Carlo WA, et al. **Pediatr Res** 1987 Jul;22(1):87–91

Lung reflexes affecting the larynx in the pig, and the effect of pulmonary microembolism. Aguggini G, et al. **Q J Exp Physiol** 1987 Jan;72(1):95–104

Effects of cooling on laryngeal reflexes in the dog. Mathew OP, et al. **Respir Physiol** 1986 Oct;66(1):61–70

Gas mixing in the human upper airways. Ben Jebria AB. **Respiration** 1986;50(4):273–8

[Functional approach to respiratory diseases of double–loined cattle of the white–blue Belgian breed] Gustin P, et al. **DTW** 1987 May 7;94(5):261–4 (Eng. Abstr.) **(Ger)**

[A cinefluorographic study of hyoid and laryngeal movements during deglutition] Nakahara M. **Nippon Jibiinkoka Gakkai Kaiho** 1987 May;90(5):669–79 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Episodic laryngeal dyskinesia. Clinical and psychiatric characterization. Ramírez J, et al. **Chest** 1986 Nov; 90(5):716–21

Cigarette smoke–induced 'chronic bronchitis': a study in situ of laryngo–tracheal hypersecretion in the rat. Rogers DF, et al. **Clin Sci** 1987 May;72(5):629–37

Videostroboscopic evaluation of the larynx. Bless DM, et al. **Ear Nose Throat J** 1987 Jul;66(7):289–96

Glottic function and dysfunction [editorial] McFadden ER Jr. **J Allergy Clin Immunol** 1987 May;79(5):707–10

Electroglottographic observations of young stutterers' fluency. Conture EG, et al. **J Speech Hear Res** 1986 Sep; 29(3):384–93

Dynamic aspects of phonatory control in spasmodic dysphonia. Ludlow CL, et al. **J Speech Hear Res** 1987 Jun;30(2):197–206

[Apneic laryngeal chemoreflex and naloxone] Jiménez–Vargas J, et al. **Rev Esp Fisiol** 1986 Sep; 42(3):371–7 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Alpha/beta value and the importance of size of dose per fraction for late complications in the supraglottic larynx. Maciejewski B, et al. **Radiother Oncol** 1986 Dec;7(4):323–6

[Effect of radiotherapy on the function of the ciliated epithelium in the larynx] Deitmer T. **Laryngol Rhinol Otol (Stuttg)** 1986 Sep;65(9):513–5 (Eng. Abstr.) **(Ger)**

[Use of a linear–quadratic model for evaluation of late post–radiation complications in the larynx] Maciejewski B, et al. **Nowotwory** 1987 Jan–Mar;37(1):67–76 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Neck evaluation with barium–enhanced radiographs and CT scans after supraglottic subtotal laryngectomy. Niemeyer JH, et al. **Radiology** 1987 Feb;162(2):493–8

[Reconstruction CT imaging of the hypopharynx and the larynx] Okuno T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Apr 25; 46(4):573–84 (Eng. Abstr.) **(Jpn)**

[The laryngotracheal angle in children and its significance in the practice of the anesthesiologist and of the resuscitation specialist] Aslanian GG. **Anesteziol Reanimatol** 1986 Sep–Oct;(5):62–4 (Eng. Abstr.) **(Rus)**

SURGERY

Experimental laryngeal reinnervation by phrenic nerve implantation into the posterior cricoarytenoid muscle. Brøndbo K, et al. **Acta Otolaryngol (Stockh)** 1987 Mar–Apr; 103(3–4):339–44

Comparison of etomidate and propofol for anaesthesia in microlaryngeal surgery. de Grood PM, et al. **Anaesthesia** 1987 Apr;42(4):366–72

Variants of Möbius' syndrome and central neurologic impairment. Lindeman procedure in children. Cohen SR, et al. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb;96(1 Pt 1):93–100 (19 ref.)

Intravenous anesthesia and jet ventilation for laser microlaryngeal surgery. Gussack GS, et al. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb;96(1 Pt 1):29–33

Laryngotracheal reconstruction. Sternohyoid myocutaneous rotary door flap. Eliachar I, et al. **Arch Otolaryngol Head Neck Surg** 1987 Oct;113(10):1094–7

Pharyngolaryngectomy reconstruction by revascularized free jejunal graft. Theile DE, et al. **Aust NZ J Surg** 1986 Nov; 56(11):849–52

The use of cartilage in reconstructive head and neck and otologic surgery. Martinez SA. **Ear Nose Throat J** 1986 Nov;65(11):497–500

Pharyngectomy for post–cricoid carcinoma with preservation of the larynx (a new technique). Stafford FW, et al. **J Laryngol Otol** 1986 Dec;100(12):1385–9

Combined rotary door flap and epiglottic laryngoplasty for reconstruction of large laryngotracheal defects in dogs. Eliachar I, et al. **Laryngoscope** 1986 Oct;96(10):1154–8

Incendiary characteristics of a new laser–resistant endotracheal tube. Hayes DM, et al. **Otolaryngol Head Neck Surg** 1986 Jul;95(1):37–40

Staple closure of the gullet after laryngectomy: an experimental study. Sessions RB, et al. **Otolaryngol Head Neck Surg** 1986 Nov;95(4):491–9

Experimental laryngeal reconstruction with preformed composite graft. Ohlsén L, et al. **Scand J Plast Reconstr Surg** 1986;20(3):259–71

[Cranioplastic implant for laryngeal stenosis—experimental results in cats] Brama I, et al. **Harefuah** 1986 Aug; 111(3–4):69–71 (Eng. Abstr.) **(Heb)**

[Electromyographic study of the phonation fistula in reconstructive laryngectomy] Cervellera G, et al. **Boll Soc Ital Biol Sper** 1986 May 30;62(5):645–9 (Eng. Abstr.) **(Ita)**

[Esophagogastroplasty in the treatment of squamous carcinoma of the esophagus (our experience)] Abrescia F, et al. **Chir Ital** 1987 Feb;39(1):17–23 (Eng. Abstr.) **(Ita)**

[Anesthesia for laryngomicroscopy and removal of tracheal foreign bodies in children using a special J tube] Taniguchi K, et al. **Masui** 1987 Apr;36(4):613–7 (Eng. Abstr.) **(Jpn)**

[Anesthesia for microlaryngosurgery with a special "J" tube] Taniguchi K, et al. **Masui** 1986 Nov;35(11):1708–13 (Eng. Abstr.) **(Jpn)**

[Restoration of the larynx and trachea by using a temporary endoprosthesis] Revskoĭ IuK, et al. **Voen Med Zh** 1987 Mar; (3):36–7 **(Rus)**

ULTRASTRUCTURE

Diagnosis and treatment of small cell carcinoma of the larynx: a critical review. Ferlito A. **Ann Otol Rhinol Laryngol** 1986 Nov–Dec;95(6 Pt 1):590–600

[Local tumor–like amyloidosis of the larynx] Zhuravlev AP, et al. **Arkh Patol** 1987;49(3):65–9 (Eng. Abstr.) **(Rus)**

LARYNX, ARTIFICIAL

Primary tracheoesophageal puncture for voice restoration. Juarbe C, et al. **Am J Surg** 1986 Oct;152(4):464–6

Disinfection of silicone voice prostheses [letter] Blom ED, et al. **Arch Otolaryngol Head Neck Surg** 1986 Dec; 112(12):1303

Oropharynx decontamination preventing Candida vegetation on voice prostheses. Mahieu HF, et al. **Arch Otolaryngol Head Neck Surg** 1986 Oct;112(10):1090–2

Care of tracheoesophageal voice prostheses [letter] Modica LA. **Arch Otolaryngol Head Neck Surg** 1987 Apr; 113(4):436–7

Independently activated talking tracheostomy systems for quadriplegic patients. Levine SP, et al. **Arch Phys Med Rehabil** 1987 Sep;68(9):571–3

Dental appliance for intraoral voice prosthesis. Neils J, et al. **Arch Phys Med Rehabil** 1986 Sep;67(9):606–8

Blom–Singer puncture (practicalities in everyday management). Lund VJ, et al. **J Laryngol Otol** 1987 Feb; 101(2):164–8

A custom speech valve retainer for the laryngectomee. Andres CJ, et al. **J Prosthet Dent** 1987 Feb;57(2):208–14

Major complications following tracheoesophageal puncture for voice rehabilitation. Andrews JC, et al. **Laryngoscope** 1987 May;97(5):562–7

Customized valve housing. Cantu E, et al. **Laryngoscope** 1986 Oct;96(10):1159–63

Fungal colonization of tracheoesophageal voice prosthesis. Izdebski K, et al. **Laryngoscope** 1987 May;97(5):594–7

Indications for tracheoesophageal puncture speech rehabilitation. McConnel FM, et al. **Laryngoscope** 1986 Oct; 96(10):1065–8

Primary tracheoesophageal fistula procedure for voice restoration: the University of Texas Medical Branch experience. Stiernberg CM, et al. **Laryngoscope** 1987 Jul; 97(7 Pt 1):820–4

Radiographic evaluation of Blom–Singer prosthesis [letter] Vincent ME, et al. **Radiology** 1987 Jan;162(1 Pt 1):289

Comparison of phoniatric parameters in oesophageal and voice prosthetic speech. Löbe LP, et al. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(2):125–7

Problems and failures of a long–term application of Würzburg type voice prostheses. Löbe LP. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(2):123–4

Laryngectomee voice rehabilitation using the Groningen button voice prosthesis. Mahieu HF. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(2):113–9

The Groningen button: results of in vivo measurements. Nieboer GL, et al. **Rev Laryngol Otol Rhinol (Bord)** 1987; 108(2):121–2

Experience with Panje voice prosthesis. Panje WR. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(2):129–37

Voice restoration using the tracheoesophageal puncture technique. Harlor M, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(1):396–400

[Voice rehabilitation for laryngectomized patients] Algaba J. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(2):139–42 (Eng. Abstr.) **(Fre)**

[Surgical repair of cases without voice after phonatory shunt] Aversa S. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(2):155 (Eng. Abstr.) **(Fre)**

[Protection of phonatory shunts after total laryngectomy (250 cases surgically treated] Bonelli L.
Rev Laryngol Otol Rhinol (Bord) 1987;108(2):151–2 (Eng. Abstr.) **(Fre)**
[Prosthesis and surgery in voice rehabilitation after total laryngectomy] Staffieri M.
Rev Laryngol Otol Rhinol (Bord) 1987;108(2):145–8 (Eng. Abstr.) **(Fre)**
[Vocal rehabilitation of the total laryngectomized patient by phonatory implant. Current results] Traissac L, et al.
Rev Laryngol Otol Rhinol (Bord) 1987;108(2):157–9 (Eng. Abstr.) **(Fre)**
[Laryngofibroscopy in reconstructive-plastic surgery of the larynx with endoprosthesis] Kharchenko VP, et al.
Vestn Otorinolaringol 1986 Nov-Dec;(6):51–3 (Eng. Abstr.) **(Rus)**

LASALOCID

[Calculation of the structure of the serotonin–antibiotic lasalocid A complex by conformation analysis and the Monte Carlo method] Alieva IN, et al. **Biofizika** 1987 Mar–Apr;32(2):237–41 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Incompatibility between lasalocid and chloramphenicol in broiler chicks after a long-term simultaneous administration. Broz J, et al. **Vet Res Commun** 1987; 11(2):159–72

ANALOGS & DERIVATIVES

Cluster significance analysis contrasted with three other quantitative structure-activity relationship methods. McFarland JW, et al. **J Med Chem** 1987 Jan;30(1):46–9

ANALYSIS

Improvement of chemical analysis of antibiotics. XI. Simultaneous fluorodensitometric determination of polyether antibiotics. Asukabe H, et al. **J Chromatogr** 1987 Jun 19;396:261–71

BIOSYNTHESIS

Biosynthesis of lasalocid A: biochemical mechanism for assembly of the carbon framework. Sherman MM, et al. **Biochemistry** 1987 Jan 27;26(2):438–45
Biosynthesis of lasalocid A. Metabolic interrelationships of carboxylic acid precursors and polyether antibiotics [published erratum appears in J Antibiot (Tokyo) 1987 Mar;40(3):following 399] Sherman MM, et al.
J Antibiot (Tokyo) 1986 Aug;39(8):1135–43
Biosynthesis of lasalocid A. Biochemical alteration of polyether antibiotic production. Sherman MM, et al.
J Antibiot (Tokyo) 1986 Sep;39(9):1270–80

BLOOD

Ion transport by lasalocid A across red-blood-cell membranes. A multinuclear NMR study. Fernandez E, et al. **Eur J Biochem** 1987 Sep 1;167(2):353–9

PHARMACODYNAMICS

The effects of ionophores on steroidogenesis and morphology of avian granulosa cells. Zobell RL, et al.
Cell Tissue Res 1987 Jun;248(3):551–8
Potassium and lasalocid effects on performance and digestion in lambs. Funk MA, et al. **J Anim Sci** 1986 Sep;63(3):685–91
Effect of lasalocid on fall-calving beef cows. Hopman B, et al. **J Anim Sci** 1986 Dec;63(6):1722–7
Ruminal changes in monensin- and lasalocid-fed cattle grazing bloat-provocative alfalfa pasture. Katz MP, et al.
J Anim Sci 1986 Oct;63(4):1246–57
Effect of supplementation with concentrates and lasalocid during late pregnancy and lactation on productivity of Rambouillet ewes and development of wool follicles in their lambs. Shetaewi MM, et al. **J Anim Sci** 1987 Aug; 65(2):351–8
Influence of lasalocid and monensin plus tylosin on comparative feeding value of steam-flaked versus dry-rolled corn in diets for feedlot cattle. Zinn RA.
J Anim Sci 1987 Jul;65(1):256–66
Cluster significance analysis contrasted with three other quantitative structure-activity relationship methods. McFarland JW, et al. **J Med Chem** 1987 Jan;30(1):46–9
Compatibility of sulfadimethoxine and ormetoprim with lasalocid and monensin on performance of male broiler chickens. Davami A, et al. **Poult Sci** 1987 Feb;66(2):373–5
Effect of lasalocid, monensin and thiopeptin on rumen protozoa. Dennis SM, et al. **Res Vet Sci** 1986 Sep; 41(2):251–6

THERAPEUTIC USE

Evaluation of lasalocid as a coccidiostat in calves: titration, efficacy, and comparison with monensin and decoquinate. Foreyt WJ, et al. **Am J Vet Res** 1986 Sep;47(9):2031–5
Efficacy of salinomycin, monensin and lasalocid against spontaneous eimeria infection in rabbits. Pakandl M.
Folia Parasitol (Praha) 1986;33(3):195–8

TOXICITY

Pathologic changes associated with experimental lasalocid and monensin toxicosis in cattle. Galitzer SJ, et al.
Am J Vet Res 1986 Dec;47(12):2624–6

LASER KNIFE see **LASER SURGERY**

LASER SCALPEL see **LASER SURGERY**

LASER SURGERY

Hysteroscopic management of menorrhagia. Loffer DF.
Acta Eur Fertil 1986 Nov–Dec;17(6):463–5
Primary lasertrabeculoplasty a comparison of 50 spots in 180 degrees and 100 spots in 360 degrees of the trabecular meshwork. Elsås T. **Acta Ophthalmol (Copenh)** 1987 Jun; 65(3):323–5
Low power argon laser trabeculoplasty. Rouhiainen H, et al. **Acta Ophthalmol (Copenh)** 1987 Feb;65(1):67–70
The CO2 laser in the laryngeal microsurgery. Motta G, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1986;433:1–30
Laser therapy in gastrointestinal diseases. Fleischer D.
Adv Intern Med 1987;32:407–28 (69 ref.)
Lasers in general surgery. Joffe SN, et al. **Adv Surg** 1987; 20:125–54 (62 ref.)
Coronary revascularization by a new coaxially-guided laser-heated metal cap system. Lee G, et al.
Am Heart J 1987 Jun;113(6):1507–8
Carbon dioxide fiberoptic laser for treatment of coarctation of the aorta. Zeevi B, et al. **Am Heart J** 1987 Jun; 113(6):1518–9
Laser recanalization in severe end-stage peripheral vascular disease. Lee G, et al. **Am J Cardiol** 1987 Feb 1;59(4):386–7
Intraoperative mapping-guided argon laser ablation of supraventricular tachycardia in the Wolff–Parkinson–White syndrome. Saksena S, et al.
Am J Cardiol 1987 Jul 1;60(1):196–9
Outpatient management of esophageal cancer with endoscopic Nd:YAG laser. Lightdale CJ, et al.
Am J Gastroenterol 1987 Jan;82(1):46–50
Contact lens scalpel for intraocular surgery. Ando F, et al.
Am J Ophthalmol 1986 Nov 15;102(5):663–4
Corneal wound healing after excimer laser keratotomy in a human eye. Aron-Rosa DS, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 2):454–64
Reopening filtration fistulas with the neodymium–YAG laser. Dailey RA, et al. **Am J Ophthalmol** 1986 Oct 15; 102(4):491–5
Ultrastructural comparison of conventional surgical and argon fluoride excimer laser keratectomy. Kerr-Muir MG, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 2):448–53
Excimer laser cut lenticules for epikeratophakia. Lieurance RC, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 2):475–6
Refractive surgery with the excimer laser. McDonald MB, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 2):469
An ophthalmic excimer laser for corneal surgery. Schröder E, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 2):472–3
Autopsy eye model for laser trabeculoplasty and iridectomy. Shammas AV, et al. **Am J Ophthalmol** 1986 Nov 15; 102(5):664–5
Dynamics of the ultraviolet laser ablation of corneal tissue. Srinivasan R, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 2):470–1
Prevalence, pathophysiology, and treatment of rhegmatogenous retinal detachment in treated cytomegalovirus retinitis [letter] Teich SA, et al.
Am J Ophthalmol 1987 Sep 15;104(3):312–4
The corneal endothelium after laser therapy for glaucoma. Thoming C, et al. **Am J Ophthalmol** 1987 Apr 15; 103(4):518–22
Carbon dioxide laser bronchoscopy. A review of problems and complications. Conacher ID, et al. **Anaesthesia** 1987 May;42(5):511–8
Anesthetic management of a patient with reactive airway disease for carbon dioxide laser debulking of a laryngeal tumor. North C, et al. **Anesth Analg** 1986 Nov; 65(11):1225–6
Nitrous oxide should not be used during laser endoscopic surgery [letter] Sosis M. **Anesth Analg** 1987 Oct; 66(10):1054–5
Flammability of endotracheal tubes during Nd-YAG laser application in the airway. Geffin B, et al.
Anesthesiology 1986 Nov;65(5):511–5
Modified rigid bronchoscope for Nd-YAG laser resection of tracheobronchial obstructing lesions [letter] Grant RP, et al. **Anesthesiology** 1987 Apr;66(4):575–6
Neodymium: YAG laser surgery: the treatment of pediatric cataract disease. Maltzman BA, et al. **Ann Ophthalmol** 1986 Aug;18(8):245–6
Laser therapy of dysphonia plica ventricularis. Feinstein I, et al. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb;96(1 Pt 1):56–7
Carbon dioxide laser resection of superficial oral carcinoma: indications, technique, and results. Guerry TL, et al.
Ann Otol Rhinol Laryngol 1986 Nov–Dec;95(6 Pt 1):547–55
Intravenous anesthesia and jet ventilation for laser microlaryngeal surgery. Gussack GS, et al.
Ann Otol Rhinol Laryngol 1987 Jan–Feb;96(1 Pt 1):29–33
Skin deepithelialization using the carbon dioxide laser. Hallock GG, et al. **Ann Plast Surg** 1987 Apr;18(4):283–8
The palliative endoscopic treatment of inoperable oesophagogastric and rectal cancers: a low power direct contact laser technique. Steger AC, et al.
Ann R Coll Surg Engl 1987 Jul;69(4):166–8
Neodymium–yttrium–aluminum–garnet laser in lung cancer. Gelb AF, et al. **Ann Thorac Surg** 1987 Feb;43(2):164–7
Successful clinical laser ablation of ventricular tachycardia: a promising new therapeutic method. Selle JG, et al.
Ann Thorac Surg 1986 Oct;42(4):380–4
The case for use of the carbon dioxide laser in the treatment of port-wine stains. Ratz JL, et al. **Arch Dermatol** 1987 Jan;123(1):74–5
Limitations of carbon dioxide lasers for treatment of port-wine stains. van Gemert MJ, et al. **Arch Dermatol** 1987 Jan;123(1):71–3
Excimer laser lens ablation [letter] Bath PE, et al.
Arch Ophthalmol 1987 Sep;105(9):1164–5
Neodymium-YAG vitreous surgery for phakic and pseudophakic malignant glaucoma. Brown RH, et al.
Arch Ophthalmol 1986 Oct;104(10):1464–6
Laser photocoagulation in the acute retinal necrosis syndrome. Han DP, et al. **Arch Ophthalmol** 1987 Aug; 105(8):1051–4
Lens clarity after argon and neodymium-YAG laser iridotomy in the rabbit. Higginbotham EJ, et al.
Arch Ophthalmol 1987 Apr;105(4):540–1
Intraocular pressure following panretinal photocoagulation for diabetic retinopathy. Diabetic Retinopathy Report No. 11. Kaufman SC, et al. **Arch Ophthalmol** 1987 Jun; 105(6):807–9
Intraocular pressure changes after neodymium-YAG laser capsulotomy in eyes pretreated with timolol. Migliori ME, et al. **Arch Ophthalmol** 1987 Apr;105(4):473–5
High-speed photography of excimer laser ablation of the cornea. Puliafito CA, et al. **Arch Ophthalmol** 1987 Sep; 105(9):1255–9
Effects of ALO 2145 on intraocular pressure following argon laser trabeculoplasty. Robin AL, et al. **Arch Ophthalmol** 1987 May;105(5):646–50
Neodymium-YAG laser iridotomy in the treatment and prevention of angle closure glaucoma. A review of 373 eyes. Tomey KF, et al. **Arch Ophthalmol** 1987 Apr; 105(4):476–81
Microvascular anastomoses. An evaluation of laser-assisted technique. Fried MP, et al.
Arch Otolaryngol Head Neck Surg 1987 Sep;113(9):968–73
Laser surgery for allergic rhinitis. Fukutake T, et al.
Arch Otolaryngol Head Neck Surg 1986 Dec;112(12):1280–2
Proximal large-bore jet ventilation for laryngeal laser surgery. Koufman JA, et al.
Arch Otolaryngol Head Neck Surg 1987 Mar;113(3):314–20
Endoscopic laser surgery. An alternative in laryngeal cancer treatment. McGuirt WF, et al.
Arch Otolaryngol Head Neck Surg 1987 May;113(5):501–5
Large-artery welding with a milliwatt carbon dioxide laser. Ashworth EM, et al. **Arch Surg** 1987 Jun;122(6):673–7
Comparison of laser-welded and sutured arteriotomies. White RA, et al. **Arch Surg** 1986 Oct;121(10):1133–5
Laser welding of large diameter arteries and veins. White RA, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):181–3
Preventing a high rise in intraocular pressure after laser trabeculoplasty. Brooks AM, et al.
Aust N Z J Ophthalmol 1987 May;15(2):113–7
Laser iridotomy. Richardson P, et al.
Aust N Z J Ophthalmol 1987 May;15(2):119–23
Laser surgery for malignant melanoma and superficial malignancies. McCarthy WH, et al. **Aust NZ J Surg** 1978 Dec;48(6):656–61
Lasers in the treatment of cancer of the prostate. An overview. McPhee MS. **Biomed Pharmacother** 1986; 40(9):321–2
Diffuse laser light reflection from the surfaces of surgical instruments. Wrobel WG, et al. **Biomed Tech (Berlin)** 1987 Apr;32(4):69–73
A ventilator for carbon dioxide laser bronchoscopy [letter] Vourc'h G, et al. **Br J Anaesth** 1987 May;59(5):663–4
Laser coronary angioplasty [editorial] Cumberland DC.
Br J Hosp Med 1987 Apr;37(4):281
A randomized trial of Citanest with Octapressin for relief of pain associated with laser vaporization of the cervix. Lee ET, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):967–9
Neodymium–YAG transscleral cyclocoagulation in rabbit eyes. Devenyi RG, et al. **Br J Ophthalmol** 1987 Jun; 71(6):441–4
Response of exfoliation glaucoma to laser trabeculoplasty. Higginbotham EJ, et al. **Br J Ophthalmol** 1986 Nov; 70(11):837–9
Intralenticular haemorrhage complicating pulsed laser iridotomy [letter] Montgomery DM, et al.
Br J Ophthalmol 1987 Jun;71(6):484
Laser trabeculoplasty as supplementary treatment for primary open angle glaucoma. Sherwood MB, et al.
Br J Ophthalmol 1987 Mar;71(3):188–91
Endoscopic treatment of inoperable colorectal cancers with the Nd YAG laser. Bown SG, et al. **Br J Surg** 1986 Dec; 73(12):949–52
Treatment of hidradenitis suppurativa with the carbon dioxide laser. Dalrymple JC, et al. **Br J Surg** 1987 May; 74(5):420
Laser endoscopy. Brown SG. **Br Med Bull** 1986 Jul; 42(3):307–13 (67 ref.)
Oncologic emergencies [letter] McElvein RB. **CA** 1986 Nov–Dec;36(6):376
General anaesthetic management for laser resection of central airway lesions in 85 procedures. Perera ER, et al.
Can J Anaesth 1987 Jul;34(4):383–7

Effects of laser trabeculoplasty on intraocular pressure in the medically untreated eye. Douglas GR, et al. **Can J Ophthalmol** 1987 Apr;22(3):157–60

Short-term effect of intraocular pressure variation on differential light threshold and colour vision. Drance SM, et al. **Can J Ophthalmol** 1987 Jun;22(4):221–5

Laser therapy of conjunctival papillomas. Jackson WB, et al. **Can J Ophthalmol** 1987 Feb;22(1):45–7

A new contact lens for Nd:YAG laser capsulotomy. Peyman GA, et al. **Can J Ophthalmol** 1986 Dec;21(7):269–70

Vitrectomy and endolaser for complications of proliferative diabetic retinopathy. Ramsay RC, et al. **Can J Ophthalmol** 1986 Aug;21(5):170–4

Prolonged survival and effective palliation in patients with squamous cell carcinoma of the esophagus following endoscopic laser therapy. Karlin DA, et al. **Cancer** 1987 Jun 1;59(11):1969–72

An orderly approach: comments on the intravascular use of lasers. Garnic JD. **Cardiovasc Intervent Radiol** 1986; 9(5–6):318–9

Laser angioplasty of arterial stenoses. Geschwind HJ, et al. **Cardiovasc Intervent Radiol** 1986;9(5–6):313–7

A two-year experience with the neodymium-YAG laser in endobronchial obstruction. Brutinel WM, et al. **Chest** 1987 Feb;91(2):159–65

Nd-YAG laser surgery for severe tracheal stenosis physiologically and clinically masked by severe diffuse obstructive pulmonary disease. Gelb AF, et al. **Chest** 1987 Feb;91(2):166–70

Clinical laser recanalization of coronary obstruction. Angioscopic and angiographic documentation. Lee G, et al. **Chest** 1986 Nov;90(5):770–2

The effect of carbon dioxide laser irradiation on cranial bone healing. An experimental study. James HE, et al. **Childs Nerv Syst** 1986;2(5):248–51

Gas chromatographic-light microscopic correlative analysis of excimer laser photoablation of cardiovascular tissues: evidence for a thermal mechanism. Clarke RH, et al. **Circ Res** 1987 Mar;60(3):429–37

The cellular electrophysiologic changes induced by ablation: comparison between argon laser photoablation and high-energy electrical ablation. Levine JH, et al. **Circulation** 1987 Jul;76(1):217–25

Angiographic and histologic consequences of laser thermal angioplasty: comparison with balloon angioplasty. Sanborn TA, et al. **Circulation** 1987 Jun;75(6):1281–6

Cutaneous blastomycosis. Report of a case presumably acquired by direct inoculation and treated with carbon dioxide laser vaporization. Kantor GR, et al. **Cleve Clin J Med** 1987 Mar–Apr;54(2):121–4

Laser-assisted endocardiectomy for refractory ventricular tachyarrhythmias: preliminary intraoperative experience. Isner JM, et al. **Clin Cardiol** 1987 Mar;10(3):201–4

Experimental Nd:YAG laser disintegration of methylmethacrylate. Analysis of gaseous products. Choy DS, et al. **Clin Orthop** 1987 Feb;(215):287–8

Anesthesia for otolaryngologic surgery involving use of a laser. Cork RC. **Contemp Anesth Pract** 1987;9:127–40

A district screening and treatment service for diabetic retinopathy. Mayon-White VA, et al. **Diabetic Med** 1986 May;3(3):253–6

Adenoma laser therapy [letter] Patrice T, et al. **Dig Dis Sci** 1987 Jan;32(1):109–10

Idiopathic sub-retinal neovascular membranes in the macula (hemorrhagic macular choroidopathy of young adults). Clinical report and effectiveness of laser treatment. Bottoni FG, et al. **Doc Ophthalmol** 1986;64(3):311–43

Removal of a frontal sinus osteoma using the CO2 laser [letter] Kronenberg J, et al. **Ear Nose Throat J** 1986 Oct; 65(10):480–1

Lasers in gastroenterology. Demling L. **Endoscopy** 1987 Jan; 19(1):20–3

Endoscopic removal of a bronchial lipoma with the Neodymium-YAG laser. Smirniotopoulos TT, et al. **Endoscopy** 1986 Sep;18(5):197–8

Carbon dioxide laser vaporization of cervical subclinical papillomaviral infection and intraepithelial neoplasia: short-term effectiveness. Puttemans P, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Nov;23(3–4):167–80

Myocardial revascularization by CO2 laser. Goda T, et al. **Eur Surg Res** 1987;19(2):113–7

Proceedings of the international symposium: Laser in urology. Lübeck, November 9, 1985. **Eur Urol** 1986;12 Suppl 1:1–58

Transrectal ultrasonography before and after neodymium-YAG laser irradiation of localized prostatic carcinoma. Beisland HO, et al. **Eur Urol** 1986;12 Suppl 1:39–42

Experimental investigation of neodymium-YAG laser induced shock waves for lithotripsy. Frank F, et al. **Eur Urol** 1986;12 Suppl 1:54–7

Treatment of urological tumors by neodymium-YAG laser. Hofstetter A. **Eur Urol** 1986;12 Suppl 1:21–4

Integral laser-photodynamic treatment of multifocal bladder carcinoma photosensitized by hematoporphyrin derivative. Jocham D, et al. **Eur Urol** 1986;12 Suppl 1:43–6

Morphological fundamentals in the treatment of tumors with the neodymium-YAG laser. Keiditsch E. **Eur Urol** 1986; 12 Suppl 1:12–6

Dosimetry of the neodymium-YAG laser in urological applications. Pensel J. **Eur Urol** 1986;12 Suppl 1:17–20

Value of the neodymium-YAG laser in the therapy of penile carcinoma. Rothenberger KH. **Eur Urol** 1986;12 Suppl 1:34–6

Use of the neodymium-YAG laser in the treatment of ureteral tumors and urethral condylomata acuminata. Clinical experience. Schilling A, et al. **Eur Urol** 1986;12 Suppl 1:30–3

Ten year results of laser trabeculoplasty. Does the laser avoid glaucoma surgery or merely defer it? Wise JB. **Eye** 1987; 1 (Pt 1):45–50

Carbon dioxide laser treatment of cervical stenosis. Baggish MS, et al. **Fertil Steril** 1987 Jul;48(1):24–8

A clinical study of the CO2 laser and electrosurgery for adhesiolysis in 172 cases followed by early second-look laparoscopy. Barbot J, et al. **Fertil Steril** 1987 Jul; 48(1):140–2

Pulsed CO2 laser and microsurgery [letter] Boutteville C, et al. **Fertil Steril** 1987 Sep;48(3):512–3

CO2 laser laparoscopy in infertile women with endometriosis and women with adnexal adhesions. Donnez J. **Fertil Steril** 1987 Sep;48(3):390–4

Management of unruptured ectopic pregnancy with laparoscopic carbon dioxide laser. Johns DA, et al. **Fertil Steril** 1986 Oct;46(4):703–5

Argon laser therapy of endometriosis: a review of 92 consecutive patients. Keye WR Jr, et al. **Fertil Steril** 1987 Feb;47(2):208–12

Treatment of endometriosis-associated infertility with CO2 laser laparoscopy: the use of one- and two-parameter exponential models. Olive DL, et al. **Fertil Steril** 1987 Jul; 48(1):18–23

Adhesion reformation after reproductive surgery with and without the carbon dioxide laser. Tulandi T. **Fertil Steril** 1987 Apr;47(4):704–6

Retinal detachment following neodymium-YAG laser capsulotomy. Vester CA, et al. **Fortschr Ophthalmol** 1986; 83(4):441–3

Palliative treatment of rectosigmoid carcinoma by laser endoscopic photoablation. Brunetaud JM, et al. **Gastroenterology** 1987 Mar;92(3):663–8

Argon laser treatment of hemorrhagic radiation proctitis. Buchi KN, et al. **Gastrointest Endosc** 1987 Feb;33(1):27–30

Endoscopic hemostasis for bleeding peptic ulcer. Johnston JH. **Gastrointest Endosc** 1987 Jun;33(3):260–2

Laser ablation and palliation in colorectal malignancy. Results of a multicenter inquiry. Mathus-Vliegen EM, et al. **Gastrointest Endosc** 1986 Dec;32(6):393–6

Gastric phytobezoar destruction by Nd:YAG laser therapy [letter] Naveau S, et al. **Gastrointest Endosc** 1986 Dec; 32(6):430–1

Ablation of a gastric neurogenic tumor with endoscopic laser therapy [letter] Riemann JF, et al. **Gastrointest Endosc** 1987 Jun;33(3):266–8

Neodymium-YAG laser photocoagulation versus multipolar electrocoagulation for the treatment of severely bleeding ulcers: a randomized comparison. Rutgeerts P, et al. **Gastrointest Endosc** 1987 Jun;33(3):199–202

Eight-year follow-up of central serous chorioretinopathy with and without laser treatment. Brancato R, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(3):166–8

The contact laser in gastroenterology: past, present and future perspectives. Joffe SN, et al. **Indian J Gastroenterol** 1987 Jul;6(3):175–7

The use of CO2 laser laparoscopy for treating endometriosis. Paulson JD, et al. **Int J Fertil** 1987 May-Jun;32(3):237–9

Aqueous prostaglandin E2 and intraocular pressure after argon laser trabeculoplasty in glaucoma patients pretreated with topical piroxicam. Dorigo MT, et al. **Int J Tissue React** 1987;9(1):73–5

Study of the first hundred phakic eyes treated by peripheral iridotomy using the N.D. Yag laser. Haut J, et al. **Int Ophthalmol** 1986 Dec;9(4):227–35

Use of fluorosilicone to unfold a giant retinal tear. Peyman GA, et al. **Int Ophthalmol** 1987 Jun;10(3):149–51

Argon laser trabeculoplasty in Asian eyes. Singh M, et al. **Int Ophthalmol** 1987 Jun;10(3):161–5

Recovery of the electroretinogram in rabbits after argon laser photocoagulation. Schechner R, et al. **Invest Ophthalmol Vis Sci** 1987 Sep;28(9):1605–13

Lasers and the eye [editorial] Eustace P. **Ir Med J** 1987 Feb; 80(2):47

Nd-YAG laser therapy in lung cancer. Shah SP, et al. **J Assoc Physicians India** 1986 Sep;34(9):653–4

Asymptotic and dimensionless analysis of the response of living tissue to surgical pulsed CO2 lasers. Armon E, et al. **J Biomech Eng** 1986 Nov;108(4):368–71

Control of CO2 lasers during surgery [letter] Canestri F. **J Biomed Eng** 1987 Apr;9(2):185

The role of 1% sodium hyaluronate in anterior capsulotomy with the neodymium:YAG laser in patients with diseased cornea. Alpar JJ. **J Cataract Refract Surg** 1986 Nov; 12(6):658–61

Management of an extruded footplate of an anterior chamber lens with the Nd:YAG laser. Charles H, et al. **J Cataract Refract Surg** 1987 May;13(3):313–5

Carbon dioxide laser use in wound sealing and epikeratophakia. Keates RH, et al. **J Cataract Refract Surg** 1987 May;13(3):290–5

Cutting sutures with the argon laser [letter] Thompson FB. **J Cataract Refract Surg** 1987 May;13(3):344

Photophaco fragmentation. Zelman J. **J Cataract Refract Surg** 1987 May;13(3):287–9

Use of lasers for closure of cutaneous wounds: experience with Nd:YAG, argon and CO2 lasers. Abergel RP, et al. **J Dermatol Surg Oncol** 1986 Nov;12(11):1181–5

Treatment of xanthelasma palpebrarum with the carbon dioxide laser. Apfelberg DB, et al. **J Dermatol Surg Oncol** 1987 Feb;13(2):149–51

CO2 laser blepharoplasty: a comparison to cold steel and electrocautery. David LM, et al. **J Dermatol Surg Oncol** 1987 Feb;13(2):110–4

A new technique for laser treatment of cutaneous tumors. Fleming MG, et al. **J Dermatol Surg Oncol** 1986 Nov; 12(11):1170–5

Laser therapy of bowenoid papulosis and Bowen's disease. Landthaler M, et al. **J Dermatol Surg Oncol** 1986 Dec; 12(12):1253–7

CO2 laser treatment of cutaneous neurofibromas. Roenigk RK, et al. **J Dermatol Surg Oncol** 1987 Feb;13(2):187–90

Blastomycosis-like pyoderma—report of a case responsive to combination therapy utilizing minocycline and carbon dioxide laser debridement. Sawchuk WS, et al. **J Dermatol Surg Oncol** 1986 Oct;12(10):1041–4

Carbon dioxide laser vaporization and curettage in the treatment of large or multiple superficial basal cell carcinomas. Wheeland RG, et al. **J Dermatol Surg Oncol** 1987 Feb;13(2):119–25

Controlled removal of human stratum corneum by pulsed laser. Jacques SL, et al. **J Invest Dermatol** 1987 Jan; 88(1):88–93

Ultraviolet excimer laser ablation: the effect of wavelength and repetition rate on in vivo guinea pig skin. Morelli J, et al. **J Invest Dermatol** 1987 Jun;88(6):769–73

Multiple trichoepitheliomas treated with the carbon dioxide laser. Buecker JW, et al. **J Ky Med Assoc** 1986 Oct; 84(10):543–4

Endoscopic laser therapy for gastrointestinal disorders. Part IV: Laser therapy in neoplastic disease, continued (4). Mellow MH. **J Okla State Med Assoc** 1986 Aug; 79(8):603–7

Healing of laser and scalpel incision wounds of rat tongue mucosa as studied with cytokeratin antibodies. Luomanen M, et al. **J Oral Pathol** 1987 Mar;16(3):139–44

Effects of CO2 laser irradiation on gingiva. Rossmann JA, et al. **J Periodontol** 1987 Jun;58(6):423–5

Neodymium-YAG laser iridotomy. Brazier DJ. **J R Soc Med** 1986 Nov;79(11):658–60

CO2 laser laparoscopy for endometriosis associated with infertility. Martin DC. **J Reprod Med** 1986 Dec; 31(12):1089–94

Preliminary report: a new technique of enterotomy closure using Nd:YAG laser welding compared to suture repair. Cespanyi E, et al. **J Surg Res** 1987 Feb;42(2):147–52

Laser welding: an alternative method of venous repair. White RA, et al. **J Surg Res** 1986 Sep;41(3):260–3

Comparison of continuous-wave lasers for endarterectomy of experimental atheromas. Eugene J, et al. **J Thorac Cardiovasc Surg** 1987 Apr;93(4):494–501

Laser microsurgery for superficial lesions of the penis. Bandieramonte G, et al. **J Urol** 1987 Aug;138(2):315–9

Tumor cell implantation following neodymium-YAG bladder injury: a comparison to electrocautery injury. See WA, et al. **J Urol** 1987 Jun;137(6):1266–9

Laser radiation in the treatment of prosthetic graft stenosis. A preliminary study of prosthesis damage by laser energy. Seeger JM, et al. **J Vasc Surg** 1987 Sep;6(3):221–5

Laser may provide better channel, smoother lumen in future coronary arterial occlusions; full potential awaits improved technology [news] Gunby P. **JAMA** 1987 Mar 13; 257(10):1283

Krypton and argon laser photocoagulation effects in subretinal hemorrhage. Chino K, et al. **Jpn J Ophthalmol** 1986;30(3):282–7

Relevance of HPV-16 to laser therapy for cervical lesions [letter] Murdoch JB, et al. **Lancet** 1987 Jun 20;1(8547):1433

Nonflammable endotracheal device for CO2 laser ablation of benign laryngeal and proximal tracheal tumors. Lawler RA, et al. **Laryngoscope** 1986 Dec;96(12):1378–80

Laser applications in the trachea and bronchi: a comparative study of the soft tissue effects using contact and noncontact delivery systems. Shapshay SM. **Laryngoscope** 1987 Jul;97(7 Pt 2 Suppl 41):1–26

Neodymium-YAG laser photocoagulation of hemangiomas of the head and neck. Shapshay SM, et al. **Laryngoscope** 1987 Mar;97(3 Pt 1):323–30

American Society for Laser Medicine and Surgery. Seventh annual meeting. San Francisco, California, April 11–13, 1987. Abstracts. **Lasers Surg Med** 1987;7(1):67–135

Safe anesthesia for endoscopic laryngeal laser surgery. Anand VK, et al. **Lasers Surg Med** 1987;7(3):275–7

CO2 laser in cancer surgery of the breast: a comparative clinical study. Ansanelli VW. **Lasers Surg Med** 1986; 6(5):470–2

Dot or pointillistic method for improvement in results of hypertrophic scarring in the argon laser treatment of portwine hemangiomas. Apfelberg DB, et al. **Lasers Surg Med** 1987;6(6):552–8

Preliminary report on use of the neodymium-YAG laser in plastic surgery. Apfelberg DB, et al. **Lasers Surg Med** 1987; 7(2):189–98

The state of the art in general surgery and surgical oncology. Aronoff BL. **Lasers Surg Med** 1986;6(4):376–82

The state of the art of laser surgery in gynecology, 1985. Baggish MS. **Lasers Surg Med** 1986;6(4):390–5

Acoustic nerve tumor surgery before and since the laser:

comparison of results. Cerullo LJ, et al. **Lasers Surg Med** 1987;7(3):224–8

Laser revascularization, 1985: state of the art. Choy DS. **Lasers Surg Med** 1986;6(4):408–11

Mechanisms of healing in the injured lung treated with the Nd-YAG laser. Cole PH, et al. **Lasers Surg Med** 1987; 6(6):574–80

State of the art message: lasers in veterinary surgery. Crane SW. **Lasers Surg Med** 1986;6(4):427–8

Use of the CO2 laser for malignant disease of the oral cavity. Duncavage JA, et al. **Lasers Surg Med** 1986;6(5):442–4

Cystoscopic laser surgery: an animal model. Finkelstein LH, et al. **Lasers Surg Med** 1987;6(6):538–9

Comparative investigations of the effects of the neodymium:YAG laser at 1.06 microns and 1.32 microns on tissue. Frank F, et al. **Lasers Surg Med** 1987;6(6):546–51

Laser smoke effect on the bronchial system. Freitag L, et al. **Lasers Surg Med** 1987;7(3):283–8

Head and neck applications of the milliwatt laser. Fried MP, et al. **Lasers Surg Med** 1987;7(1):46–50 (18 ref.)

State of the art: head and neck surgery. Friedman EW. **Lasers Surg Med** 1986;6(4):383–4

Mid-infrared fiber optics. Fuller TA. **Lasers Surg Med** 1986; 6(4):399–403

Laser therapy of eye diseases. Geyer O, et al. **Lasers Surg Med** 1986;6(4):423–6

Ultrastructural study of arterial wall repair after argon laser micro-anastomosis. Godlewski G, et al. **Lasers Surg Med** 1987;7(3):258–62

Current laser dentistry. Goldman L, et al. **Lasers Surg Med** 1987;6(6):559–62

Laser dermatology—1985. Goldman L. **Lasers Surg Med** 1986;6(4):387–8

A histologic study of laser-induced transmyocardial channels. Hardy RI, et al. **Lasers Surg Med** 1987; 6(6):563–73

CO2 laser surgery of intramedullary spinal cord tumors. Heppner F, et al. **Lasers Surg Med** 1987;7(2):180–3

Neurosurgery: the state of the art. Heppner F. **Lasers Surg Med** 1986;6(4):415–22

The use of the carbon dioxide laser permits primary closure of contaminated and purulent lesions and wounds. Hinshaw JR, et al. **Lasers Surg Med** 1987;6(6):581–3

Lasers in urology. Hofstetter A. **Lasers Surg Med** 1986; 6(4):412–4

State of the art of otolaryngology. Jako GJ. **Lasers Surg Med** 1986;6(4):389

The CO2 laser in plastic surgery. Kaplan I. **Lasers Surg Med** 1986;6(4):385–6

Laser treatment of obstructive endobronchial tumors: factors which determine response. Lam S, et al. **Lasers Surg Med** 1987;7(1):29–35

Ultraviolet laser ablation of skin: healing studies and a thermal model. Lane RJ, et al. **Lasers Surg Med** 1987; 6(6):504–13

Reduction of local tumor recurrence by excision with the CO2 laser. Lanzafame RJ, et al. **Lasers Surg Med** 1986; 6(5):439–41

Tissue precooling for thermochemical damage reduction during laser surgery. Laufer G, et al. **Lasers Surg Med** 1987;7(2):160–1

Is an anesthesiologist's presence justified during therapeutic laser endoscopy? Lichtiger M, et al. **Lasers Surg Med** 1987; 7(3):273–4

Nd:YAG laser ablation of early pelvic endometriosis: a report of 61 cases. Lomano JM. **Lasers Surg Med** 1987;7(1):56–60

A challenge for the future: our expanding role—technology. Mackety CJ. **Lasers Surg Med** 1986;6(4):429–30

Residual cervical intraepithelial neoplasia after laser ablation. MacLean AB, et al. **Lasers Surg Med** 1987;7(3):278–9

Safety of high-energy neodymium:YAG laser pulses in YAG sclerostomy. March WF, et al. **Lasers Surg Med** 1987; 6(6):584–7

Latest treatment in dentistry by means of the CO2 laser beam. Melcer J. **Lasers Surg Med** 1986;6(4):396–8

Laser myocardial revascularization. Mirhoseini M, et al. **Lasers Surg Med** 1986;6(5):459–61

Comparison of microsurgical suture and CO2 laser-welded anastomoses of rabbit uterine cornua. Negro AG, et al. **Lasers Surg Med** 1987;6(6):533–5

A model for thermal ablation of biological tissue using laser radiation. Partovi F, et al. **Lasers Surg Med** 1987; 7(2):141–54

The use of laser in rectal surgery. Pfeffermann R, et al. **Lasers Surg Med** 1986;6(5):467–9

Far-ultraviolet laser ablation of the cornea: photoacoustic studies. Srinivasan R, et al. **Lasers Surg Med** 1987; 6(6):514–9

Laser irradiation and balloon dilatation in experimental transluminal angioplasty. Vassanelli C, et al. **Lasers Surg Med** 1987;7(1):23–8

Efficacy of the neodymium:YAG laser in vasovasostomy: a preliminary communication. Weiner P, et al. **Lasers Surg Med** 1987;6(6):536–7

Large vessel sealing with the argon laser. White RA, et al. **Lasers Surg Med** 1987;7(3):229–35

Laser therapy for severe radiation-induced rectal bleeding. Ahlquist DA, et al. **Mayo Clin Proc** 1986 Dec;61(12):927–31

Monitoring and analysis of oxygenation and ventilation during rigid bronchoscopic neodymium-YAG laser resection of airway tumors. Lennon RL, et al. **Mayo Clin Proc** 1987 Jul;62(7):584–8

Laparoscopic assessment of ovarian healing following CO2 laser microsurgery: Vicryl vs. Surgilon. McLaughlin DS, et al. **Microsurgery** 1987;8(2):99–102

Selective endoscopic treatment of bronchogenic carcinoma with the carbon dioxide surgical laser. An uncommon new indication for laser bronchoscopy. Koufman JA, et al. **NC Med J** 1987 Jun;48(6):307–9

Total excision of spinal lipomas using CO2 laser at low power. Experimental and clinical observations. Maira G, et al. **Neurol Res** 1986 Dec;8(4):225–30

Application of endoscopic papillotomy to carcinoma of the duodenal papilla: as jaundice-reducing treatment and as pre-treatment of laser irradiation. Katsuda H, et al. **Nippon Geka Hokan** 1986 May 1;55(3):467–72

Carbon dioxide laser surgery of female genital, perineal, and anal condyloma acuminata [letter] Caglar H, et al. **NY State J Med** 1987 Jun;87(6):365–6

Argon laser treatment of trichiasis. Awan KJ. **Ophthalmic Surg** 1986 Oct;17(10):658–60

Only a delaying procedure? [letter] Brown RH. **Ophthalmic Surg** 1987 Feb;18(2):154–5

Contact laser scalpel for ocular wall resection. Federman JL, et al. **Ophthalmic Surg** 1987 Apr;18(4):305–6

Ab interno and ab externo filtering operations by laser contact surgery. Gaasterland DE, et al. **Ophthalmic Surg** 1987 Apr;18(4):254–7

Long-term follow-up of photocoagulated choroidal neovascular membranes in age-related macular degeneration. Jalkh AE, et al. **Ophthalmic Surg** 1987 Jun; 18(6):419–22

Argon laser trabeculoplasty performed by resident surgeons: good results [letter] Khan K. **Ophthalmic Surg** 1987 Feb; 18(2):155

Proposal for a new contact lens for YAG laser posterior capsulotomies. March WF, et al. **Ophthalmic Surg** 1987 Jan;18(1):59–60

Pre- and postoperative therapy in cataract extraction. Mizuno K, et al. **Ophthalmic Surg** 1987 Feb;18(2):143–52 (119 ref.)

Transscleral iridotomy using a neodymium: YAG laser operated both with standard equipment and an optical fiber system—a preliminary report: Part I—Optical system and biomicroscopic results. Rol P, et al. **Ophthalmic Surg** 1987 Mar;18(3):176–82

Trabeculectomy flap suture lysis with endolaser probe. Salamon SM. **Ophthalmic Surg** 1987 Jul;18(7):506–7

Visual field improvement after neodymium: YAG laser puncture of miotic cysts. Schrems W, et al. **Ophthalmic Surg** 1987 May;18(5):342–3

Transscleral iridotomy using a neodymium: YAG laser operated both with standard equipment and an optical fiber system—a preliminary report: Part II—Light and electron microscopic findings. van der Zypen E, et al. **Ophthalmic Surg** 1987 May;18(5):337–41

Neodymium: YAG laser treatment of persistent pupillary membrane. Vega LF, et al. **Ophthalmic Surg** 1987 Jun; 18(6):452–4

A suggested role for argon laser iridoplasty in management of pigmentary glaucoma. Walker JD. **Ophthalmic Surg** 1986 Nov;17(11):762–3

Effectivity of laser ridge intraocular lenses. Wohl LG, et al. **Ophthalmic Surg** 1986 Oct;17(10):667–9

Treatment of juxtafoveal and parafoveal neovascular membranes with monochromatic green argon photocoagulation: green laser. Orellana J, et al. **Ophthalmologica** 1987;194(1):19–26

Eye parameters influencing the results of argon laser trabeculoplasty in primary open-angle glaucoma. Traverso CE, et al. **Ophthalmologica** 1987;194(4):174–80

Damage threshold of injection-molded polymethylmethacrylate (PMMA) is lower than that for lathe-cut PMMA intraocular lenses (IOLs) [letter] Bath P, et al. **Ophthalmology** 1987 May;94(5):583–4

The effect of neodymium: YAG laser capsulotomy on aqueous humor dynamics in the monkey eye. Lynch MG, et al. **Ophthalmology** 1986 Oct;93(10):1270–5

Corneal argon laser photocoagulation for neovascularization in penetrating keratoplasty. Nirankari VS, et al. **Ophthalmology** 1986 Oct;93(10):1304–9

Intraocular pressure and visual field defects after argon laser trabeculoplasty in chronic open-angle glaucoma. Schultz JS, et al. **Ophthalmology** 1987 May;94(5):553–7

Cavitation bubble dynamics and acoustic transient generation in ocular surgery with pulsed neodymium: YAG lasers. Vogel A, et al. **Ophthalmology** 1986 Oct;93(10):1259–69

Laser tonsillectomy and adenoidectomy. Martinez SA, et al. **Otolaryngol Clin North Am** 1987 May;20(2):371–6

Wound healing of true vocal cord squamous epithelium after CO2 laser ablation and cup forceps stripping. Durkin GE, et al. **Otolaryngol Head Neck Surg** 1986 Oct;95(3 Pt 1):273–7

The endoscopic management of early squamous carcinoma of the vocal cord with the carbon dioxide surgical laser: clinical experience and a proposed subclassification. Koufman JA. **Otolaryngol Head Neck Surg** 1986 Dec; 95(5):531–7

Precaution and safety in carbon dioxide laser surgery. Lim RY, et al. **Otolaryngol Head Neck Surg** 1986 Sep; 95(2):239–41

Photodocumentation of laser microsurgery: preoperative, intraoperative, and postoperative techniques for still and video photographs. Selkin SG. **Otolaryngol Head Neck Surg** 1986 Oct;95(3 Pt 1):259–72

Nd-Yag laser resection of tracheobronchial lesions. Cavaliere S. **Panminerva Med** 1986 Apr-Jun;28(2):101–4

Subglottic stenosis in newborns after mechanical ventilation. Marcovich M, et al. **Prog Pediatr Surg** 1987;21:8–19

Comparative study of conventional scalpel and CO2-laser in experimental tumor surgery. Tuchmann A, et al. **Res Exp Med (Berl)** 1986;186(5):375–86

Palliative endobronchial tumor reduction by laser therapy. Procedure—immediate results—long-term results. Emslander HP, et al. **Respiration** 1987;51(1):73–9

A clinicopathologic study of dye laser photocoagulation on primate retina. Borges JM, et al. **Retina** 1987 Spring; 7(1):46–57

Clinicopathologic correlation of krypton and argon laser photocoagulation in a patient with a subfoveal choroidal neovascular membrane. Guyer DR, et al. **Retina** 1986 Summer-Fall;6(3):157–63

Laser treatment of a subretinal neovascular membrane associated with retinochoroidal coloboma. Steahly LP. **Retina** 1986 Summer-Fall;6(3):154–6

Congenital choanal atresia treated by laser surgery. Illum P. **Rhinology** 1986 Sep;24(3):205–9

A comparative study of healing of laser and scalpel incision wounds in rat oral mucosa. Luomanen M. **Scand J Dent Res** 1987 Feb;95(1):65–73

Summary of carbon dioxide laser usage in plastic surgery. Apfelberg DB. **Scand J Plast Reconstr Surg** 1986; 20(1):19–24

Summary of argon laser usage in plastic surgery. Apfelberg DB. **Scand J Plast Reconstr Surg** 1986;20(1):13–8

Ablation of polymers and biological tissue by ultraviolet lasers. Srinivasan R. **Science** 1986 Oct 31;234(4776):559–65

Laryngeal carcinoma in situ: a therapeutic dilemma. McGuirt WF. **South Med J** 1987 Apr;80(4):447–9

The role of lasers in the management of carcinoma of the lung and the esophagus. Wolfe WG, et al. **Surg Annu** 1987; 19:221–32 (40 ref.)

Management of tracheobronchial lesions with the Nd-YAG laser. Kaiser LR. **Surg Clin North Am** 1987 Oct; 67(5):1087–92

Patency of laser-assisted anastomoses in small vessels: one-year follow-up. McCarthy WJ, et al. **Surgery** 1987 Aug;102(2):319–26

An experimental study of the effects of electrocautery and various lasers on gastrointestinal tissue. Schroder T, et al. **Surgery** 1987 Jun;101(6):691–7

Resuscitative laser photoresection of a tracheal tumour before elective surgery. George PJ, et al. **Thorax** 1986 Oct; 41(10):812–3

Thresholds for beneficial and harmful effects during use of high-power, pulsed lasers to treat problems of the anterior segment of the eye. Gaasterland DE. **Trans Am Ophthalmol Soc** 1986;84:1004–32

Longterm results of treatment of central serous retinopathy—a preliminary report. Ficker L, et al. **Trans Ophthalmol Soc UK** 1986;105 (Pt 4):473–5

The treatment of diabetic maculopathy by argon laser photocoagulation. Grey RH. **Trans Ophthalmol Soc UK** 1986;105 (Pt 4):424–9

Laser surgery for rhegmatogenous retinal detachments. Kaplan S, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(1):318–20

Krypton red laser photocoagulation of subfoveal neovascular membranes: a follow-up of vision parameter data. Nuss RC, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986; 38(1):340–6

Comparison of results with CO2 laser and traditional surgical treatment of stage I malignant melanoma. Reali UM, et al. **Tumori** 1987 Apr 30;73(2):127–30

Laser treatment of bladder carcinoma and genital condylomata. Malloy TR, et al. **Urol Clin North Am** 1987 Feb;14(1):121–6

Carbon dioxide laser therapy of subclinical condyloma found by magnified penile surface scanning. Carpiniello VL, et al. **Urology** 1987 Jun;29(6):608–10

Endoscopic laser therapy for GI diseases. Schubert ML, et al. **Va Med** 1986 Dec;113(12):738–41

Endoscopic laser treatment of gastrointestinal lesions at WVU Medical Center. Al-Kawas FH, et al. **W Va Med J** 1987 Mar;83(3):119–21

Microvascular carotid end-to-end anastomosis with the argon laser. Godlewski G, et al. **World J Surg** 1986 Oct; 10(5):829–33

[Indications and results of treatment of carcinoma of the urinary bladder using the neodymium-YAG laser] Patrashkov T, et al. **Khirurgiia (Sofiia)** 1987;40(2):17–9 (Eng. Abstr.) **(Bul)**

[Use of the CO2 laser in various surgical diseases] Poleganova K, et al. **Khirurgiia (Sofiia)** 1986;39(5):99–103 (Eng. Abstr.) **(Bul)**

[Argon laser treatment of primary open-angle glaucoma] Jin JC. **Chung Hua Yen Ko Tsa Chih** 1987 Mar;23(2):75–81 (Eng. Abstr.) **(Chi)**

[Technic and complications of the argon laser in the treatment of angle-closure glaucoma] Jin JC. **Chung Hua Yen Ko Tsa Chih** 1987 Jan;23(1):1–6 (Eng. Abstr.) **(Chi)**

[ERG in proliferative diabetic retinopathy after photocoagulation] Li XX. **Chung Hua Yen Ko Tsa Chih** 1987 May;23(3):140–2 (Eng. Abstr.) **(Chi)**

[Treatment of membranous cataract with YAG laser] Sun

XQ. **Chung Hua Yen Ko Tsa Chih** 1986 Sep;22(5):257–9 (Eng. Abstr.) **(Chi)**

[Disruption of the blood–aqueous barrier after dye–laser iridectomy] Wang L. **Chung Hua Yen Ko Tsa Chih** 1987 Jan;23(1):34–8 (Eng. Abstr.) **(Chi)**

[Clinical trial of endoscopic Nd:YAG laser therapy of upper gastrointestinal hemorrhage] Wu KL, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 May;85(5):483–7 (Eng. Abstr.) **(Chi)**

[The effect of age on the results of laser trabeculoplasty] Ružičková E, et al. **Cesk Oftalmol** 1986 Sep;42(5):342–8 (Eng. Abstr.) **(Cze)**

[The final picture of wound healing in CO2 laser scalpel surgery] Tichý M, et al. **Cesk Patol** 1986 Nov;22(4):217–21 (Eng. Abstr.) **(Cze)**

[Can flat angiomas be removed by argon laser? Our 6–year experience (94 cases)] Serres P. **Ann Chir Plast Esthet** 1986; 31(3):255–60 (Eng. Abstr.) **(Fre)**

[Selective photothermolysis: contribution to the treatment of flat angiomas (port wine stains) by laser] Polla LL, et al. **Ann Dermatol Venereol** 1987;114(4):497–505 (Eng. Abstr.) **(Fre)**

[Electroretinographic and fluorophotometric studies after photosection using the YAG laser] Benoist d'Azy A, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:158–61 **(Fre)**

[The ultraviolet laser in the treatment of keratomycoses] Serdarevic O, et al. **Bull Mem Soc Fr Ophtalmol** 1986; 97:227–8 **(Fre)**

[Electroretinographic and fluorophotometric studies after photosection with the Yag laser] Benoist d'Azy A, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1179–84 **(Fre)**

[Evaluation of a year of use of the picosecond neodymium–YAG laser] Buffet JM. **Bull Soc Ophtalmol Fr** 1985 Oct;85(10):1061–4 (Eng. Abstr.) **(Fre)**

[Photocoagulation of malignant melanomas of the choroid] Desjardins L. **Bull Soc Ophtalmol Fr** 1986 Nov;Spec No:169–74 **(Fre)**

[Treatment of choroid melanomas using photocoagulation following sensitization by hematoporhyrin] Desjardins L. **Bull Soc Ophtalmol Fr** 1986 Nov;Spec No:175–81 **(Fre)**

[Analysis of the first 100 cases of iridotomy with Yag laser: preliminary note] Haut J, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep;86(8–9):991 **(Fre)**

[Argon laser photocoagulation of malignant melanomas] Haye C. **Bull Soc Ophtalmol Fr** 1986 Nov;Spec No:183 **(Fre)**

[Value of lower iridotomy using the argon laser in the treatment of various complications of internal tamponade with silicone oil in the aphakic patient] Limon S, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1357–8 **(Fre)**

[The picosecond YAG laser. Evaluation after a year's use] Malthieu D, et al. **Bull Soc Ophtalmol Fr** 1986 Apr; 86(4):579–80, 585–6 (Eng. Abstr.) **(Fre)**

[Treatment of neovascular choroid membranes with the krypton laser] Malthieu D, et al. **Bull Soc Ophtalmol Fr** 1986 Apr;86(4):549–50, 552 (Eng. Abstr.) **(Fre)**

[Treatment of cystoid edema of the macula with krypton laser in retinal vein occlusions] Malthieu D, et al. **Bull Soc Ophtalmol Fr** 1986 Jun–Jul;86(6–7):889–91 (Eng. Abstr.) **(Fre)**

[Evaluation of photocoagulation of the posterior pole with argon laser in edematous diabetic retinopathy] Segal A, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep;86(8–9):1007–13 **(Fre)**

[Palliative laser treatment in rectosigmoid cancer] Brunetaud JM, et al. **Gastroenterol Clin Biol** 1986 Oct;10(10):649–50 **(Fre)**

[Palliative treatment of adenocarcinoma of the rectum by Nd–YAG laser. Immediate and long–term results. Study of factors related to the initial destruction of the tumor] Naveau S, et al. **Gastroenterol Clin Biol** 1986 Oct; 10(10):651–5 (Eng. Abstr.) **(Fre)**

[Pupilloplasty with a mobile laser ray (letter)] Theodossiadis GP. **J Fr Ophtalmol** 1986;9(3):249 **(Fre)**

[Ambulatory hysterofibroscopic treatment of persistent metrorrhagias using the Nd:YAG laser] Cornier E. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(5):661–4 (Eng. Abstr.) **(Fre)**

[Arterial recanalization using the laser. A technic for the future?] Lefebvre–Vilardebo M, et al. **J Mal Vasc** 1986; 11(3):297–302 (Eng. Abstr.) **(Fre)**

[Adenoid cystic carcinoma of the trachea. Treatment by combined laser therapy and surgery] Azorin J, et al. **Rev Mal Respir** 1987;4(2):95–6 (Eng. Abstr.) **(Fre)**

[Tracheal stenosis following direct laryngoscopy] Mialon P, et al. **Rev Mal Respir** 1987;4(1):43–5 (Eng. Abstr.) **(Fre)**

[Practical application of the laser in ophthalmology] Berthe–Bonnet S. **Rev Med Liege** 1987 Mar 15;42(6):226–30 **(Fre)**

[Principle indications for laser therapy in gastroenterology at the present time] Servais R. **Rev Med Liege** 1987 Mar 15;42(6):216–21 **(Fre)**

[The laser. Applications in urology] Bonard M. **Rev Med Suisse Romande** 1986 Aug;106(8):697–702 **(Fre)**

[The Nd YAG laser in the hysteroscopic treatment of uterine hemorrhage] Dequesne J. **Rev Med Suisse Romande** 1987 May;107(5):405–10 **(Fre)**

[Intratracheal destruction of tumor lesions: laser or cryotherapy? A preliminary analysis] Vergnon JM, et al. **Rev Pneumol Clin** 1987;43(1):19–25 (Eng. Abstr.) **(Fre)**

[Laser treatment of circulatory disorders of the fundus oculi] Pournaras CJ, et al. **Ther Umsch** 1987 Apr;44(4):288–301 (46 ref.) (Eng. Abstr.) **(Fre)**

[Safety in using lasers in medicine] Senz R, et al. **Biomed Tech (Berlin)** 1987 Apr;32(4):74–9 (Eng. Abstr.) **(Ger)**

[Lasers in gastroenterology (editorial)] Demling L. **Dtsch Med Wochenschr** 1987 Apr 10;112(15):575–6 **(Ger)**

[With light and heat. The laser in gastroenterology] Demling L. **Fortschr Med** 1986 Oct 23;104(40):60–1 **(Ger)**

[Diabetic ophthalmopathy and its treatment in the aged] Freyler H. **Fortschr Med** 1987 May 30;105(16):305–8 (Eng. Abstr.) **(Ger)**

[Bacteremia following endoscopic laser therapy. Incidence of bacteremia and infection following laser coagulation of stenosing processes of the gastrointestinal tract] Kohler B, et al. **Fortschr Med** 1987 Feb 10;105(4):61–3 (Eng. Abstr.) **(Ger)**

[Initial experiences with laser trabeculopuncture] Ahlers W, et al. **Fortschr Ophthalmol** 1986;83(5):573–4 (Eng. Abstr.) **(Ger)**

[Retinal temperature stabilization based on choroid circulation] Birngruber R, et al. **Fortschr Ophthalmol** 1987; 84(1):92–5 (Eng. Abstr.) **(Ger)**

[Behavior of postoperative intraocular pressure following iridectomy and capsulotomy using a neodymium:YAG laser with reference to the effect of indomethacin] Gabel VP, et al. **Fortschr Ophthalmol** 1987;84(1):76–9 (Eng. Abstr.) **(Ger)**

[Results of laser trabeculoplasty (LTP)] Jäger M, et al. **Fortschr Ophthalmol** 1987;84(1):80–2 (Eng. Abstr.) **(Ger)**

[Alternative therapy to the YAG laser in the formation of secondary proliferative cataracts] Kammann J, et al. **Fortschr Ophthalmol** 1986;83(4):453–5 (Eng. Abstr.) **(Ger)**

[Laser coagulations of subretinal vascular proliferations in exudative macular degeneration] Kröncke W, et al. **Fortschr Ophthalmol** 1986;83(5):611–4 (Eng. Abstr.) **(Ger)**

[Electroretinography findings in proliferative diabetic retinopathy following argon laser coagulation of the middle and exterior peripheral retina] Li XX, et al. **Fortschr Ophthalmol** 1986;83(4):459–61 (Eng. Abstr.) **(Ger)**

[Long–term results following laser therapy in 1,000 eyes with retinal holes and degenerations] Mester U, et al. **Fortschr Ophthalmol** 1987;84(2):197–201 (Eng. Abstr.) **(Ger)**

[Neodymium YAG laser iridotomy in glaucoma with narrow chamber angle and pupillary block glaucoma] Schrems W, et al. **Fortschr Ophthalmol** 1987;84(1):72–5 (Eng. Abstr.) **(Ger)**

[Effect of cataract treatment with the neodymium YGA laser on corneal endothelial cell density] Schrems W, et al. **Fortschr Ophthalmol** 1986;83(4):433–5 (Eng. Abstr.) **(Ger)**

[Fluorophotometric studies of hydrodynamics following YAG laser iridotomy] Schrems W, et al. **Fortschr Ophthalmol** 1986;83(5):575–8 (Eng. Abstr.) **(Ger)**

[Preoperative prediction of expected postoperative visual acuity before YAG laser capsulotomy in extracapsular pseudophakia and aphakia] Zaczkiewicz M, et al. **Fortschr Ophthalmol** 1986;83(6):675–7 (Eng. Abstr.) **(Ger)**

[Vocal function after laser therapy] Heipcke T, et al. **HNO** 1987 Jun;35(6):234–41 (Eng. Abstr.) **(Ger)**

[Laser treatment of diabetic maculopathy] Giovannini A, et al. **Klin Monatsbl Augenheilkd** 1986 Nov;189(5):358 (Eng. Abstr.) **(Ger)**

[Temporary silicone oil implantation following vitrectomy in proliferative diabetic retinopathy] Gnad H, et al. **Klin Monatsbl Augenheilkd** 1986 Nov;189(5):388–90 (Eng. Abstr.) **(Ger)**

[Laser trabeculoplasty or goniotrepanation. A prospective comparative study] Grehn F, et al. **Klin Monatsbl Augenheilkd** 1987 Feb;190(2):92–8 (Eng. Abstr.) **(Ger)**

[Early and late complications in cataract extraction in diabetic patients] Imre G, et al. **Klin Monatsbl Augenheilkd** 1986 Nov;189(5):383–4 (Eng. Abstr.) **(Ger)**

[Therapy of preretinal macular hemorrhages] Kroll P, et al. **Klin Monatsbl Augenheilkd** 1986 Jun;188(6):610–2 (Eng. Abstr.) **(Ger)**

[Long–term study following photocoagulation in diabetic retinopathy] Leuenberger AE, et al. **Klin Monatsbl Augenheilkd** 1986 Nov;189(5):379–80 (Eng. Abstr.) **(Ger)**

[Photocoagulation in diabetic rubeosis iridis and neovascular glaucoma] Pauleikhoff D, et al. **Klin Monatsbl Augenheilkd** 1987 Jan;190(1):11–6 (Eng. Abstr.) **(Ger)**

[YAG laser iris hole at 6 o'clock in the periphery in the treatment or prevention of closed angle glaucoma and plateau iris and in pupillary block (posterior iris surface–blocking mechanism)] Payer H. **Klin Monatsbl Augenheilkd** 1986 Nov;189(5):404–6 (Eng. Abstr.) **(Ger)**

[Changes in the visual field and dark adaptation following panretinal photocoagulation in diabetic retinopathy] Prskavec FH, et al. **Klin Monatsbl Augenheilkd** 1986 Nov; 189(5):385–7 (Eng. Abstr.) **(Ger)**

[Pan–fundus photocoagulation (PRP)—prognostic aspects] Schirmer KE. **Klin Monatsbl Augenheilkd** 1986 Nov; 189(5):381–2 (Eng. Abstr.) **(Ger)**

[Is YAG laser iridotomy suitable for the prevention of glaucoma attacks?] Schrems W, et al. **Klin Monatsbl Augenheilkd** 1986 Nov;189(5):402–3 (Eng. Abstr.) **(Ger)**

[Long–term study following panretinal argon laser coagulation in proliferative diabetic retinopathy] Stelzer N, et al. **Klin Monatsbl Augenheilkd** 1986 Nov;189(5):376–8 (Eng. Abstr.) **(Ger)**

[Argon laser trabeculoplasty in glaucoma with a narrow chamber angle] Strasser G. **Klin Monatsbl Augenheilkd** 1986 Sep;189(3):204–5 (Eng. Abstr.) **(Ger)**

[Timoptol in the after–care following argon laser trabeculoplasty] Tenner A, et al. **Klin Monatsbl Augenheilkd** 1987 Mar;190(3):215–6 (Eng. Abstr.) **(Ger)**

[Scalpel and CO2 laser in the animal experiment. A comparative study of inoculation tumors of the mouse] Tuchmann A, et al. **Langenbecks Arch Chir** 1986; 368(2):125–36 (Eng. Abstr.) **(Ger)**

[Voice quality following CO2 laser cordectomy] Höfler H, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Nov;65(11):655–8 (Eng. Abstr.) **(Ger)**

[Argon and Nd–YAG laser in the treatment of hemangiomas] Landthaler M, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Feb;66(2):115 **(Ger)**

[Laser and alternative methods in gastroenterology. 1. Gastrointestinal hemorrhage] Lux G, et al. **Leber Magen Darm** 1986 Sep;16(5):282–6, 289–92 **(Ger)**

[Clinical interpretation of retinal circulatory measurements. IV. Photocoagulation in diabetic retinopathy and venous occlusive diseases] Vilser W, et al. **Ophthalmologica** 1986; 193(1–2):108–25 (Eng. Abstr.) **(Ger)**

[Recommendations for endobronchial laser therapy (published erratum appears in Prax Klin Pneumol 1987 Jun;41(6):238)] Dierkesmann R, et al. **Prax Klin Pneumol** 1987 Apr;41(4):105–7 (Eng. Abstr.) **(Ger)**

[Therapeutic experiences with the argon laser in dermatology] Eichmann A, et al. **Schweiz Rundsch Med Prax** 1987 Jul 7;76(28):806–9 (Eng. Abstr.) **(Ger)**

[Use of lasers in the framework of cataract surgery] Artaria LG. **Ther Umsch** 1987 Apr;44(4):302–7 (Eng. Abstr.) **(Ger)**

[Lasers in ophthalmology: physical bases] Dürr U. **Ther Umsch** 1987 Apr;44(4):265–72 (Eng. Abstr.) **(Ger)**

[Laser therapy and glaucoma] Flammer J. **Ther Umsch** 1987 Apr;44(4):283–7 (Eng. Abstr.) **(Ger)**

[Present–day amotio retinae therapy and use of lasers] Messerli J. **Ther Umsch** 1987 Apr;44(4):308–12 (Eng. Abstr.) **(Ger)**

[Argon laser therapy in dermatology] Fürnsinn G. **Z Hautkr** 1987 May 1;62(9):715–22 (Eng. Abstr.) **(Ger)**

[Effect of pulsed dye laser radiation on the capillary vessels of the skin] Strempel H, et al. **Z Hautkr** 1987 Jul 15; 62(14):1076–85 (Eng. Abstr.) **(Ger)**

[Indications for the use of the CO2 laser in gynecology] Herrmann U, et al. **Zentralbl Gynakol** 1986;108(23):1412–9 (Eng. Abstr.) **(Ger)**

[Changes in the cervical epithelium after CO2–laser and cryotherapy] Schachter A, et al. **Harefuah** 1986 Aug; 111(3–4):62–4 (Eng. Abstr.) **(Heb)**

[Arterial recanalization using lasers: present and future] Crea F, et al. **Cardiologia** 1986 Mar;31(3):193–8 (35 ref.) **(Ita)**

[Use of lasers in arterial revascularization] Gregorini L, et al. **Cardiologia** 1986 Mar;31(3):199–203 (Eng. Abstr.) **(Ita)**

[Indications and results of the argon laser treatment of essential telangiectasis of the lower limbs] Caramanico L, et al. **Minerva Cardioangiol** 1986 Sep;34(9):597–9 (Eng. Abstr.) **(Ita)**

[Use of laser endoscopy in the treatment of cicatricial stenosis of the esophagus. Description of a case] Lanfranchi M, et al. **Minerva Chir** 1987 Feb 28;42(4):283–5 (Eng. Abstr.) **(Ita)**

[Use of argon laser in experimental liver surgery] Modesti M, et al. **Minerva Chir** 1987 Feb 15;42(3):145–53 (Eng. Abstr.) **(Ita)**

[Examination and comparison of new therapeutic methods] Hohki A. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1460–7 (Eng. Abstr.) **(Jpn)**

[Qualitative improvement of the surgical treatment of cancer using laser equipment—surgical technic after photodynamic therapy] Kato H, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1468–76 (Eng. Abstr.) **(Jpn)**

[The efficacy and limitations of laser surgery in malignant tumors] Sano F, et al. **Gan To Kagaku Ryoho** 1987 May; 14(5 Pt 2):1477–81 (Eng. Abstr.) **(Jpn)**

[Laser vaporization and incisional conization in cervical neoplasia as a conservative therapy] Wakita K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1501–7 (Eng. Abstr.) **(Jpn)**

[Effects of argon and krypton laser photocoagulation on chorioretinal lesions with subretinal hemorrhage] Ohki R, et al. **Nippon Ganka Gakkai Zasshi** 1987 Feb;91(2):213–9 (Eng. Abstr.) **(Jpn)**

[Factors affecting success and intraocular pressure elevation after argon laser trabeculoplasty] Takenaka Y, et al. **Nippon Ganka Gakkai Zasshi** 1987 Apr;91(4):430–6 (Eng. Abstr.) **(Jpn)**

[A new method of vascular anastomosis by CO2 laser: experimental and clinical study] Okada M, et al. **Nippon Geka Gakkai Zasshi** 1987 Apr;88(4):390–400 (Eng. Abstr.) **(Jpn)**

[Prospects of current laser medicine] Atsumi K. **Nippon Rinsho** 1987 Apr;45(4):685–96 (0 ref.) **(Jpn)**

[Clinical application of the thermal effect of lasers. 2. Application of the laser thermal effect to the therapy of liver neoplasms] Hashimoto D. **Nippon Rinsho** 1987 Apr; 45(4):888–96 (17 ref.) **(Jpn)**

[Application of lasers in microsurgery] Inouye T. **Nippon Rinsho** 1987 Apr;45(4):716–9 (9 ref.) **(Jpn)**

[Clinical application of low-intensity lasers. 1. Application of lasers in cardiovascular surgery] Okada M. **Nippon Rinsho** 1987 Apr;45(4):736–48 (20 ref.) **(Jpn)**

[Present status and future prospects of laser surgery—advantages of the laser scalpel] Sano F. **Nippon Rinsho** 1987 Apr;45(4):710–5 (15 ref.) **(Jpn)**

[Endoscopic laser surgery] Lunde OC, et al. **Nord Med** 1987; 102(5):150–3 (Eng. Abstr.) **(Nor)**

[Laser treatment of premalignant cervical diseases] Kirschner R. **Tidsskr Nor Laegeforen** 1987 Jan 20;107(2):155–7 (Eng. Abstr.) **(Nor)**

[Late evaluation of holes and cystoid degeneration of the macula] Orzel H, et al. **Klin Oczna** 1986 Jun;88(6):204–6 (Eng. Abstr.) **(Pol)**

[Opening of tracheal stenosis with a laser beam through fibroscopy] Parada AA, et al. **AMB** 1986 Mar–Apr; 32(3–4):70 **(Por)**

[Arterial anastomoses with the argon laser. Experimental study] Marques E, et al. **Arq Bras Cardiol** 1986 Jan; 46(1):27–31 (Eng. Abstr.) **(Por)**

[Anesthesia by electroacupuncture analgesia in the laser treatment of skin neoplasms] Chubarov GV, et al. **Anesteziol Reanimatol** 1987 Mar–Apr;(2):55–6 (Eng. Abstr.) **(Rus)**

[Laser photodestruction of a bronchus-obstructing tumor in inoperable lung cancer] Dotsenko AP, et al. **Grudn Khir** 1987 Mar–Apr;(2):72–5 (Eng. Abstr.) **(Rus)**

[Use of lasers in surgery of the trachea] Gerasin VA, et al. **Grudn Khir** 1987 Mar–Apr;(2):86–7 **(Rus)**

[Laser photocoagulation of noninvasive cancer of the bronchus] Gerasin VA, et al. **Grudn Khir** 1986 Nov–Dec; (6):84–5 **(Rus)**

[Carbon dioxide laser in surgery of the lungs] Kabanov AN, et al. **Grudn Khir** 1987 Jul–Aug;(4):54–9 (Eng. Abstr.) **(Rus)**

[Laser angioplasty combined with ileo-femoro-popliteal shunting] Akchurin RS, et al. **Kardiologiia** 1987 Jan; 27(1):93–4 **(Rus)**

[Initial experience with transluminal laser recanalization in patients with stenosing arteriosclerosis of the lower extremities] Petrosian IuS, et al. **Kardiologiia** 1987 Jun; 27(6):15–9 (Eng. Abstr.) **(Rus)**

[The "Scalpel-1" in the surgical treatment of paraproctitis] Babaev OG, et al. **Khirurgiia (Mosk)** 1987 May;(5):69–73 (Eng. Abstr.) **(Rus)**

[Laser papillosphincteroplasty] Petrovskiĭ BV, et al. **Khirurgiia (Mosk)** 1986 Oct;(10):6–11 (Eng. Abstr.) **(Rus)**

[Use of the CO2-laser to arrest bleeding and hermetically seal wounds of the kidney and liver] Polianskiĭ VK, et al. **Khirurgiia (Mosk)** 1987 May;(5):78–81 (Eng. Abstr.) **(Rus)**

[Endoscopic laser recanalization of the digestive tract in obstructive tumors] Pronin VI, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):118–21 **(Rus)**

[Vascular anastomosis using laser coagulation] Skobelkin OK, et al. **Khirurgiia (Mosk)** 1987 Mar;(3):71–4 (Eng. Abstr.) **(Rus)**

[Initial experience using the argon laser in the treatment of pigmented skin lesions] Skobelkin OK, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):102–4 (Eng. Abstr.) **(Rus)**

[Use of laser radiation in the endoscopic removal of polyps of the stomach and large intestine] Stakhanov ML, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):52–5 (Eng. Abstr.) **(Rus)**

[Use of ambulatory carbon dioxide laser irradiation in children with surgical pathology] Livshits IuL, et al. **Klin Khir** 1987;(6):53–4 (Eng. Abstr.) **(Rus)**

[Argon laser coagulation of the retina in optic neuritis] Bochkareva AA, et al. **Oftalmol Zh** 1986;(4):198–9 (Eng. Abstr.) **(Rus)**

[Treatment of open-angle glaucoma using an argon laser] Kollegov AP, et al. **Oftalmol Zh** 1987;(2):98–101 (Eng. Abstr.) **(Rus)**

[Character of the morphologic changes in the coats of the rabbit eye during the conduct of transscleral laser coagulation] Legeza SG, et al. **Oftalmol Zh** 1986;(6):371–3 (Eng. Abstr.) **(Rus)**

[Osteotomy using a CO2-laser] Kholodnov SE, et al. **Ortop Travmatol Protez** 1987 Feb;(2):47–8 **(Rus)**

[Experience using laser beams in the surgery of osteoarticular tuberculosis] Suleimanov I, et al. **Ortop Travmatol Protez** 1986 Sep;(9):33–6 (Eng. Abstr.) **(Rus)**

[Action of powerful laser irradiation on gallstones] Matveev VI, et al. **Patol Fiziol Eksp Ter** 1987 Mar–Apr;(2):57–8 (Eng. Abstr.) **(Rus)**

[Experience with the use of lasers in tuberculosis surgery] Dobkin VG, et al. **Probl Tuberk** 1987;(5):25–8 (Eng. Abstr.) **(Rus)**

[Use of lasers in the diagnosis and treatment of diseases of the respiratory organs] Dziublik ALa, et al. **Probl Tuberk** 1987;(4):59–64 (56 ref.) **(Rus)**

[Morphology of the repair processes occurring after continuous laser irradiation] Eliseenko EI. **Sov Med** 1987; (1):20–7 (Eng. Abstr.) **(Rus)**

[Use of lasers in pulmonary surgery] Biriukov IuV, et al. **Vestn Akad Med Nauk SSSR** 1987;(5):69–74 (Eng. Abstr.) **(Rus)**

[Experience in using the laser in surgery of the esophagus and intestines] Chernousov AF, et al. **Vestn Akad Med Nauk SSSR** 1987;(5):61–5 (Eng. Abstr.) **(Rus)**

[Efficacy of using the laser scalpel in operations on the stomach and intestines] Skobelkin OK, et al. **Vestn Khir** 1986 Jul;137(7):15–20 (Eng. Abstr.) **(Rus)**

[Single-pulse laser iridectomy in the treatment of postoperative pupil block] Il'ina TS, et al. **Vestn Oftalmol** 1986 Nov–Dec;102(6):11–3 (Eng. Abstr.) **(Rus)**

[Microcirculation of the iris during YAG-laser dissection of the posterior capsule of the lens in patients with artificial lens implants using a neodynium laser on aluminum-yttrium garnet] Kishkina VIa, et al. **Vestn Oftalmol** 1986 Nov–Dec; 102(6):34–6 (Eng. Abstr.) **(Rus)**

[Comparative study of the efficacy of laser trabeculoplasty in patients with primary open-angle glaucoma and various degrees of pigmentation of the structures of the trabecular system of the eye] Mamedov NG, et al. **Vestn Oftalmol** 1986 Sep–Oct;102(5):17–20 (Eng. Abstr.) **(Rus)**

[Results of 2000 operative dissections of secondary cataracts using a YAG-laser] Semenov AD, et al. **Vestn Oftalmol** 1987 Jan–Feb;103(1):18–21 (Eng. Abstr.) **(Rus)**

[Iridectomy of eyes with laser-resistant irises] Shurkin VI. **Vestn Oftalmol** 1986 Sep–Oct;102(5):15–7 (Eng. Abstr.) **(Rus)**

[200 optico-reconstructive procedures with a YAG-laser] Stepanov AV, et al. **Vestn Oftalmol** 1986 Sep–Oct; 102(5):31–5 (Eng. Abstr.) **(Rus)**

[Use of the carbon dioxide laser in hospitals] Fedun AA, et al. **Voen Med Zh** 1987 Mar;(3):50–1 **(Rus)**

[Outcome of treatment of suppurative gunshot chest wound with the CO2 laser] Matafonov VA, et al. **Voen Med Zh** 1987 May;(5):65–6 **(Rus)**

[Use of the defocused CO2-laser beam for hemostasis and hermetic closure of splenic wounds] Polianskiĭ VK, et al. **Voen Med Zh** 1987 May;(5):65 **(Rus)**

[Laser coagulation of benign skin tumors] Koshelev VN, et al. **Vopr Onkol** 1986;32(11):99–101 (Eng. Abstr.) **(Rus)**

[Immediate results of the treatment of cancer patients with Soviet-made endoscopic laser apparatus using aluminum yttrium garnet and Raduga neodymium] Kubshinov IuP, et al. **Vopr Onkol** 1986;32(12):58–60 **(Rus)**

[Skin surgery with the argon laser] Džinić M, et al. **Vojnosanit Pregl** 1987 May–Jun;44(3):197–200 (Eng. Abstr.) **(Scr)**

[Neodymium: YAG laser in urology. Application and results in the treatment of tumors] Hofstetter A, et al. **Arch Esp Urol** 1986 Sep;39 Suppl 1:23–32 (Eng. Abstr.) **(Spa)**

[Laser surgery in 63 cases of tracheobronchial pathology] Díaz Jiménez JP, et al. **Rev Clin Esp** 1987 Mar; 180(4):199–202 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Retinal damage after argon laser iridotomy [letter] **Am J Ophthalmol** 1986 Nov 15;102(5):668–70

Grand mal seizure during argon laser panretinal photocoagulation. Duffey RJ. **Am J Ophthalmol** 1987 Jan 15;103(1):116–7

Branch retinal artery occlusion after dye yellow photocoagulation of an arterial macroaneurysm. Russell SR, et al. **Am J Ophthalmol** 1987 Aug 15;104(2):186–7

Neodymium:YAG laser iridotomy as a possible contribution to lens dislocation. Melamed S, et al. **Ann Ophthalmol** 1986 Oct;18(10):281–2

Complications of cutaneous laser surgery. A survey. Oibricht SM, et al. **Arch Dermatol** 1987 Mar;123(3):345–9

Effects of topical ALO 2145 (p-aminoclonidine hydrochloride) on the acute intraocular pressure rise after argon laser iridotomy. Robin AL, et al. **Arch Ophthalmol** 1987 Sep;105(9):1208–11

Nanophthalmic eyes and neodymium-YAG laser iridectomies [letter] Singh OS, et al. **Arch Ophthalmol** 1987 Apr;105(4):455–6

A case of squamous cell carcinoma arising in an area treated with a carbon dioxide laser. Jones GM, et al. **Br J Oral Maxillofac Surg** 1987 Feb;25(1):57–60

Occurrence of cystoid macular edema after Q switched Nd Y.A.G. laser capsulotomy. Herzeel R, et al. **Bull Soc Belge Ophtalmol** 1985;214:45–51

Preventing endotracheal fires [letter] Casey KR. **Chest** 1987 Apr;91(4):637

Canine tracheal injury by neodymium-YAG laser irradiation. Goodman RL, et al. **Chest** 1987 May;91(5):745–8

Prevention of IOP-rise following Nd-YAG laser capsulotomy with pre-operative timolol eye-drops and 1 tablet acetazolamide 250 mg systematically. Boen-Tan TN, et al. **Doc Ophthalmol** 1986 Dec 30;64(1):59–67

Hypotension and visceral pain secondary to endoscopic Nd:YAG laser therapy of gastric adenocarcinoma [letter] Al-Kawas F, et al. **Endoscopy** 1986 Sep;18(5):208

A study of the mechanism of ocular irritation following YAG laser capsulotomy in rabbits. Stjernschantz J, et al. **Exp Eye Res** 1986 Oct;43(4):641–51

Retinal detachment following Nd:YAG posterior capsulotomy. Ficker LA, et al. **Eye** 1987;1 (Pt 1):86–9

Histological study on transient ocular hypertension after laser iridotomy in rabbits. Tawara A, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(2):114–22

Late failures of trabeculoplasty. Moulin F, et al. **Int Ophthalmol** 1987 Feb;10(1):61–6

Histopathology after Nd-YAG laser percutaneous transluminal angioplasty of peripheral arteries. Geschwind H, et al. **J Am Coll Cardiol** 1986 Nov;8(5):1089–95

Pathology and physics of YAG-laser intraocular lens damage [published erratum appears in 1987 Mar;13(2):217] Bath PE, et al. **J Cataract Refract Surg** 1987 Jan;13(1):47–9

Glare disability secondary to YAG laser intraocular lens damage. Bath PE, et al. **J Cataract Refract Surg** 1987 May; 13(3):309–13

Laser damage in injection-molded lenses [letter] Steinert RF, et al. **J Cataract Refract Surg** 1987 Jan;13(1):84

Use of scleral eye shields for periorbital laser surgery. Wheeland RG, et al. **J Dermatol Surg Oncol** 1987 Feb; 13(2):156–8

Carbon dioxide laser irradiation of bacterial targets in vitro. Byrne PO, et al. **J Hosp Infect** 1987 May;9(3):265–73

Laser-sealed arteriotomy: a reliable aneurysm model. Quigley MR, et al. **J Neurosurg** 1987 Aug;67(2):284–7

The thrombogenic potential of argon ion laser endarterectomy. Pollock ME, et al. **J Surg Res** 1987 Feb; 42(2):153–8

Pulmonary procedures assisted by optosurgical and electrosurgical devices: comparison of damage potential. LoCicero J 3d, et al. **Lasers Surg Med** 1987;7(3):263–72

Keloid scars as a result of CO2 laser for molluscum contagiosum. Friedman M, et al. **Obstet Gynecol** 1987 Sep; 70(3 Pt 1):394–6

"New ideas" section is a good section but is iridoplasty for pigmentary glaucoma? [letter] Jackson DJ. **Ophthalmic Surg** 1987 Mar;18(3):236

A prospective study of cystoid macular edema after neodymium: YAG laser posterior capsulotomy. Lewis H, et al. **Ophthalmology** 1987 May;94(5):478–82

The effect of neodymium:YAG laser shocks on the blood-aqueous barrier. Mitchell PG, et al. **Ophthalmology** 1987 May;94(5):488–90

Incendiary characteristics of a new laser-resistant endotracheal tube. Hayes DM, et al. **Otolaryngol Head Neck Surg** 1986 Jul;95(1):37–40

A three-zone model of soft-tissue damage by a CO2 laser. McKenzie AL. **Phys Med Biol** 1986 Sep;31(9):967–83

Laser-induced alterations in rat oral mucosa. Luomanen M, et al. **Scand J Dent Res** 1986 Oct;94(5):452–60

Corneal endothelial changes following short pulsed laser iridotomy and surgical iridectomy. Wishart PK, et al. **Trans Ophthalmol Soc UK** 1986;105 (Pt 5):541–8

[Argon laser iridotomy: is it always harmless?] Durand L, et al. **Bull Soc Ophtalmol Fr** 1987 May;87(5):681–2 **(Fre)**

[Tears in the pigmentary epithelium following photocoagulation] Langois M, et al. **Bull Soc Ophtalmol Fr** 1986 Jun–Jul;86(6–7):893–5 (Eng. Abstr.) **(Fre)**

[Vision aids for patients with senile exudative macular degeneration. Comparison of spontaneous fibrovascular scars and scotomas induced by photocoagulation] Beuchat L, et al. **Ophthalmologica** 1986;193(3):135–42 (Eng. Abstr.) **(Fre)**

[Problems in laser surgery and anesthesia] Eisler K, et al. **Anaesthesist** 1986 Dec;35(12):748–50 (Eng. Abstr.) **(Ger)**

[Regeneration of human corneal endothelium following direct Nd:YAG laser trauma] Hartmann C, et al. **Fortschr Ophthalmol** 1986;83(4):448–52 (Eng. Abstr.) **(Ger)**

[Condition of the corneal epithelium of diabetes mellitus patients after argon-laser coagulation of the retina] Beliaeva MI, et al. **Vestn Oftalmol** 1986 Jul–Aug; 102(4):43–5 (Eng. Abstr.) **(Rus)**

EDUCATION

Photographic slides for teaching laser photocoagulation. Whitacre MM, et al. **Am J Ophthalmol** 1987 Apr 15; 103(4):590–1

The influence of hands-on laser training on usage of the CO2 laser. Lanzafame RJ, et al. **Lasers Surg Med** 1987;7(1):61–5

HISTORY

Le sens du futur or reading behind the writing on the wall. Aron-Rosa DS. **J Cataract Refract Surg** 1987 Jul; 13(4):428–30

INSTRUMENTATION

CO2 laser scalpel in clinical practice. Case reports. Sekan V, et al. **Acta Chir Plast** 1987;29(1):49–58

A high-efficiency laser iridotomy-sphincterotomy lens [letter] Fankhauser F. **Am J Ophthalmol** 1986 Nov 15;

102(5):670–1
Flexible metal endotracheal tubes for ENT laser surgery [letter] Bradley JP. **Anaesth Intensive Care** 1987 May; 15(2):248–9
Semiconductor laser endophotocoagulation of the retina. Puliafito CA, et al. **Arch Ophthalmol** 1987 Mar;105(3):424–7
Advantages of a portable Q-switched neodymium-YAG laser system for anterior segment surgery. Case report. Robin AL. **Arch Ophthalmol** 1987 Jul;105(7):892
Neodymium-YAG laser. A new palliative tool in the treatment of colorectal cancer. Russin DJ, et al. **Arch Surg** 1986 Dec;121(12):1399–403
A new laser and a computer join forces against myopia. Arnoti B. **Can Med Assoc J** 1987 Sep 1;137(5):379–80
Improving argon ion laser atheroablation using microlens fibers. Tibi PR, et al. **Curr Surg** 1987 May–Jun;44(3):216–8
Experimental comparison of endoscopic yttrium–aluminum–garnet laser, electrosurgery, and heater probe for canine gut arterial coagulation. Importance of compression and avoidance of erosion. Johnston JH, et al. **Gastroenterology** 1987 May;92(5 Pt 1):1101–8
The development of lateral laser radiation probes. Hashimoto D. **Gastrointest Endosc** 1987 Jun;33(3):240–3
A simplified method of endoscope insertion following esophageal dilatation of malignant esophageal strictures [letter] Murray FE, et al. **Gastrointest Endosc** 1987 Jun; 33(3):268–9
Laser surgery for children. Brauner GJ, et al. **J Dermatol Surg Oncol** 1987 Feb;13(2):178–86
New developments with the heavy metal vapor lasers for the dermatologist. Goldman L, et al. **J Dermatol Surg Oncol** 1987 Feb;13(2):163–5
Superpulsed lasers: minimizing thermal damage with short duration, high irradiance pulses. Hobbs ER, et al. **J Dermatol Surg Oncol** 1987 Sep;13(9):955–64
Laparoscopic use of the argon laser in nonendometriotic reproductive pelvic surgery. Diamond MP, et al. **J Reprod Med** 1986 Nov;31(11):1011–3
Effects of Nd:YAG laser energy on the arterial wall: evaluation of a new contact delivery system. Douville EC, et al. **J Surg Res** 1987 Feb;42(2):185–91
Argon laser angioplasty with a laser probe. Yang Y, et al. **J Vasc Surg** 1987 Jul;6(1):60–5
Percutaneous laser angioplasty with sapphire tip [letter] Fourrier JL, et al. **Lancet** 1987 Jan 10;1(8524):105
Endotracheal tube safety during laser surgery. Fontenot R Jr, et al. **Laryngoscope** 1987 Aug;97(8 Pt 1):919–21
Study of three laser systems for treatment of superficial varicosities of the lower extremity. Apfelberg DB, et al. **Lasers Surg Med** 1987;7(3):219–23
Simple and sensitive CO2 laser visual screen. Huang YX. **Lasers Surg Med** 1987;7(2):169–70
Laser-assisted microsurgical anastomosis. Neblett CR, et al. **Neurosurgery** 1986 Dec;19(6):914–34
A new valving system for removal of laser plume during pelvic CO2 laser endoscopic procedures. Feste JR, et al. **Obstet Gynecol** 1987 Apr;69(4):669–70
Improved goniolens for YAG sclerostomy. March WF, et al. **Ophthalmic Surg** 1987 Jul;18(7):513
Preliminary research on the resistance of IOLs to a Q-switched Nd-YAG laser. Balacco-Gabrieli C, et al. **Ophthalmologica** 1986;193(1–2):10–3
A new drape for otolaryngologic laser surgery. Selkin SG. **Otolaryngol Head Neck Surg** 1986 Nov;95(4):523–4
The effect of surface finish on the reflection of CO2 laser beams from specula. Driver I, et al. **Phys Med Biol** 1987 Feb;32(2):227–35
Clinical experience with a binocular indirect ophthalmoscope laser delivery system. Friberg TR. **Retina** 1987 Spring; 7(1):28–31
An automatic laser filter for the indirect ophthalmoscope. Grisolano J, et al. **Retina** 1987 Spring;7(1):32–3
Contact lens filter for macular photocoagulation with monochromatic green argon laser. Sternberg P Jr, et al. **Retina** 1986 Summer–Fall;6(3):164–8
A simple handheld device for the Nd:YAG laser. Barriola JA, et al. **Surg Gynecol Obstet** 1986 Nov;163(5):489–90
A new laser for collagen wounding in corneal and strabismus surgery: a preliminary report. Troutman RC, et al. **Trans Am Ophthalmol Soc** 1986;84:117–32
[Performance of an angioplasty procedure using a xenon–chlorine eximer laser and fiber optics] Ollivier JP, et al. **Bull Acad Natl Med (Paris)** 1987 Jan;171(1):45–9 (Eng. Abstr.) **(Fre)**
[18 months' experience with sapphire tips in contact Nd:YAG laser surgery (letter)] Sultan RA, et al. **Presse Med** 1987 Apr 11;16(13):636 **(Fre)**
[Comparison of the effect of a Q-switched and a mode-locked laser based on gas development in silicone oil of various viscosities] Dölle W, et al. **Fortschr Ophthalmol** 1987;84(2):202–4 (Eng. Abstr.) **(Ger)**
[Comparison of the disruptive effect of Q-switched and mode-locked Nd-YAG lasers] Dölle W, et al. **Fortschr Ophthalmol** 1986;83(4):430–2 (Eng. Abstr.) **(Ger)**
[Simultaneous fluo-angioscope: a method for laser treatment close to the macula] Jean B, et al. **Klin Monatsbl Augenheilkd** 1986 Sep;189(3):258–9 (Eng. Abstr.) **(Ger)**
[Cavitation bubble dynamics and shock wave generation in eye surgery using the pulsed neodymium:YAG laser] Vogel A, et al. **Klin Monatsbl Augenheilkd** 1986 Oct;189(4):308–16 (Eng. Abstr.) **(Ger)**
[Possibilities and limits of the laser] Unsöld E. **Verh Dtsch Ges Inn Med** 1986;92:153–63 **(Ger)**
[Surgery of metastatic brain tumors with new surgical instruments] Nomura K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1451–9 (Eng. Abstr.) **(Jpn)**
[The laser hospital] Atsumi K, et al. **Nippon Rinsho** 1987 Apr;45(4):729–35 **(Jpn)**
[LMOP-2: a new Polish device using a ND+3-YAG laser for transscleral coagulation of the retina and ciliary body] Kecik T, et al. **Klin Oczna** 1986 Jun;88(6):218–9 (Eng. Abstr.) **(Pol)**
[Use of the eximeric laser for removal of atherosclerotic plaques] Artiushenko VG, et al. **Grudn Khir** 1986 Sep–Oct; (5):16–20 (Eng. Abstr.) **(Rus)**
[Use of high-energy solid-state laser in surgery of the liver and other organs of the abdominal cavity] Shalimov SA, et al. **Klin Khir** 1986;(9):42–3 (Eng. Abstr.) **(Rus)**
[Current potentials and outlook for the use of gas lasers in medicine. Laser surgery] Alelnikov VS, et al. **Med Tekh** 1986 Jul–Aug;(4):3–14 (Eng. Abstr.) **(Rus)**
[Possibility of destroying gallstones by pulse YAG–Nd laser radiation using an endoscope] Iuchenko SV, et al. **Med Tekh** 1986 Jul–Aug;(4):15–8 (Eng. Abstr.) **(Rus)**
[Experience in using the Romashka–1 laser surgical unit in treating suppurative wounds] Samokhvalov VI, et al. **Med Tekh** 1986 Jul–Aug;(4):49–51 **(Rus)**
[A laser endocoagulation unit] Zaletskiĭ AA, et al. **Med Tekh** 1986 Jul–Aug;(4):57–8 **(Rus)**
[Comparative data on the healing of surgical wounds of the stomach made by ordinary, laser and ultrasonic scalpels] Nechaĭ AI, et al. **Vestn Khir** 1986 Jul;137(7):20–6 (Eng. Abstr.) **(Rus)**
[Use of the CO2 laser and an accessory instrument in surgery of the major duodenal papilla] Sedov AP, et al. **Vestn Khir** 1986 Sep;137(9):79–80 **(Rus)**
[A laser coagulator in otorhinolaryngology] Pluzhnikov MS, et al. **Vestn Otorinolaringol** 1986 Nov–Dec;(6):68–72 (Eng. Abstr.) **(Rus)**
[Use of the Scalpel–1 laser surgical unit in the polyclinic] Shormanov EV. **Voen Med Zh** 1986 Sep;(9):47–8 **(Rus)**

METHODS

Percutaneous laser catheter recanalization of carotid arteries in seven cadavers and one patient. Choy DS, et al. **AJNR** 1986 Nov–Dec;7(6):1050–2
Clinically successful long-term laser coronary recanalization. Lee G, et al. **Am Heart J** 1986 Dec;112(6):1323–5
A comparison of endoscopic laser therapy and BICAP tumor probe therapy for esophageal cancer. Fleischer D. **Am J Gastroenterol** 1987 Jul;82(7):608–12
Conventional reanastomosis versus laser welding of rat uterine horns. Shapiro AG, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):1096–9
Laser surgery for vulvar intraepithelial neoplasia: principles and results. Wright VC, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):374–8
Excimer laser photoablation in glaucoma filtering surgery. Berlin MS, et al. **Am J Ophthalmol** 1987 May 15; 103(5):713–4
Repeat argon laser trabeculoplasty. Messner D, et al. **Am J Ophthalmol** 1987 Jan 15;103(1):113–5
Optimal incision diameter in YAG laser capsulotomy. Long WF, et al. **Am J Optom Physiol Opt** 1987 May;64(5):324–8
Preliminary experiences with CO2-laser and ultrasonic aspirator in brain surgery. Koivukangas J, et al. **Ann Clin Res** 1986;18 Suppl 47:85–95
Application of ultrasound imaging to stereotactic brain tumor surgery. Koivukangas J, et al. **Ann Clin Res** 1986;18 Suppl 47:25–32
Pitfalls to laser correction of choanal atresia. Muntz HR. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb;96(1 Pt 1):43–6
Anesthetic management for tracheobronchial laser surgery. Rontal M, et al. **Ann Otol Rhinol Laryngol** 1986 Nov–Dec; 95(6 Pt 1):556–60
Outpatient hemorrhoidectomy. Laser treatment and case results [published erratum appears in AORN J 1987 Jun;45(6):1274] Zadeh AT, et al. **AORN J** 1986 Dec; 44(6):966–76
Neodymium–YAG laser zonulotomy. Case report. Rosen PH, et al. **Arch Ophthalmol** 1987 Jul;105(7):892–4
Corneal photoablation by far ultraviolet lasers [letter] Thompson KP, et al. **Arch Ophthalmol** 1987 Mar; 105(3):312–3
Neodymium–YAG laser iridotomy in angle closure glaucoma: preliminary study. Naveh N, et al. **Br J Ophthalmol** 1987 Apr;71(4):257–61
Laser therapy of the skin. A review of principles and applications. Bailin PL, et al. **Dermatol Clin** 1987 Apr; 5(2):259–85
Endoscopic laser therapy for oesophageal cancer. Bown SG. **Endoscopy** 1986 Sep;18 Suppl 3:26–31
Laser treatment of bile duct cancer via percutaneous choledochoscopy. Classen M, et al. **Endoscopy** 1987 Mar; 19(2):74–5
The use of high-frequency jet-ventilation in operative bronchoscopy. Schlenkhoff D, et al. **Endoscopy** 1986 Sep; 18(5):192–4
Comparative study of continuous and pulsed CO2 laser on tissue healing and fertility outcome in tubal anastomosis. Badawy SZ, et al. **Fertil Steril** 1987 May;47(5):843–7
A comparison between argon laser and microsuture anastomosis of the rat uterine horn. Lyon DR, et al. **Fertil Steril** 1987 Feb;47(2):329–33
Endoscopic laser vaporization of obstructing left colonic cancer to avoid decompressive colostomy. Eckhauser ML. **Gastrointest Endosc** 1987 Apr;33(2):105–6
Contact versus noncontact laser therapy [letter] Ell C, et al. **Gastrointest Endosc** 1987 Apr;33(2):125
Carbon dioxide laser in the treatment of porokeratosis [letter] Hunziker T, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):625
A YAG laser technique to facilitate removal of posterior chamber intraocular lenses from the capsular bag. Nevyas HJ, et al. **J Cataract Refract Surg** 1987 Mar;13(2):201–4
The pulsed dye laser: its use at 577 nm wavelength. Garden JM, et al. **J Dermatol Surg Oncol** 1987 Feb;13(2):134–8
Treatment of digital myxoid cysts with carbon dioxide laser vaporization. Huerter CJ, et al. **J Dermatol Surg Oncol** 1987 Jul;13(7):723–7
Multiple eruptive vellus hair cysts treated with carbon dioxide laser vaporization. Huerter CJ, et al. **J Dermatol Surg Oncol** 1987 Mar;13(3):260–3
Combined carbon dioxide laser excision and vaporization in the treatment of rhinophyma. Wheeland RG, et al. **J Dermatol Surg Oncol** 1987 Feb;13(2):172–7
Carbon dioxide laser myomectomy. Weather L Jr. **J Natl Med Assoc** 1986 Oct;78(10):933–6
New laser technique for the treatment of malignant esophageal obstruction. Pietrafitta JJ, et al. **J Surg Oncol** 1987 Jul;35(3):157–62
Arterial aneurysm model using laser energy. Hartz RS, et al. **J Surg Res** 1987 Aug;43(2):109–13
Valvulotomy in in situ vein bypasses performed by angioscope-assisted laser probe. White RA, et al. **J Surg Res** 1987 Apr;42(4):440–5
Laser-assisted vasal anastomosis in the rat and man. Jarow JP, et al. **J Urol** 1986 Nov;136(5):1132–5
The current status of angioscopy and laser angioplasty. Grundfest WS, et al. **J Vasc Surg** 1987 Apr;5(4):667–73
Technical frontiers for the vascular surgeon: laser anastomotic welding and angioscopy-assisted intraluminal instrumentation. White RA. **J Vasc Surg** 1987 Apr; 5(4):673–80
Comparative study of argon, Nd: YAG and CO2 lasers to achieve similar histological changes in ddY mouse skin. Ohshiro T. **Keio J Med** 1987 Jan;36(1):99–111
Alternatives method of myocardial revascularization by laser: experimental and clinical study. Okada M, et al. **Kobe J Med Sci** 1986 Oct;32(5):151–61
Laser laryngoscopic management of internal laryngocele. Komisar A. **Laryngoscope** 1987 Mar;97(3 Pt 1):368–9
New techniques for reducing the thermochemical damage in the course of laser surgery. Armon E, et al. **Lasers Surg Med** 1987;7(2):162–8
Tissue precooling for thermochemical damage reduction during laser surgery. Laufer G, et al. **Lasers Surg Med** 1987;7(2):160–1
An alternative method of vascular anastomosis by laser: experimental and clinical study. Okada M, et al. **Lasers Surg Med** 1987;7(3):240–8
Use of the CO2 laser in soft tissue dental surgery. Pick RM, et al. **Lasers Surg Med** 1987;7(2):207–13
Quantitative and ultrastructural studies of excimer laser ablation of the cornea at 193 and 248 nanometers. Puliafito CA, et al. **Lasers Surg Med** 1987;7(2):155–9
Milliwatt carbon dioxide laser and hepatic surgery in mice: surgical technique and pathology. Rao LN, et al. **Lasers Surg Med** 1986;6(5):477–84
CO2 laser vaporization for treatment of rhinophyma. Roenigk RK. **Mayo Clin Proc** 1987 Aug;62(8):676–80
CO2 laser microsurgery: five years experience with long-term results. Mage G, et al. **Microsurgery** 1987; 8(2):89–91
Microsurgical laser technique for abdominal myomectomy. Reyniak JV, et al. **Microsurgery** 1987;8(2):92–8
Percutaneous laser nucleolysis of lumbar disks [letter] Choy DS, et al. **N Engl J Med** 1987 Sep 17;317(12):771–2
Microvascular anastomosis with a low-output carbon dioxide (CO2) laser. II. Histopathological features. Oishi J. **Nippon Seikeigeka Gakkai Zasshi** 1986 Jul;60(7):813–24
Microvascular anastomosis with a low-output carbon dioxide (CO2) laser. I. Laser device, techniques and conditions of anastomosis. Oishi J. **Nippon Seikeigeka Gakkai Zasshi** 1986 Jul;60(7):801–11
Hysteroscopic endometrial ablation with the Nd:Yag laser using a nontouch technique. Loffer FD. **Obstet Gynecol** 1987 Apr;69(4):679–82
Neodymium:YAG laser trabeculopuncture in juvenile open-angle glaucoma. Melamed S, et al. **Ophthalmology** 1987 Feb;94(2):163–70
Large iridotomies by the linear incision technique using the neodymium:YAG laser at low energy levels. A study using cynomolgus monkeys. Wise JB. **Ophthalmology** 1987 Jan; 94(1):82–6
Treatment of vascular lesions with a CW yellow dye laser—initial trials. Keller GS, et al. **Otolaryngol Head Neck Surg** 1986 Dec;95(5):527–30
CO2 laser management of laryngeal stenosis. Schmidt FW, et al. **Otolaryngol Head Neck Surg** 1986 Nov;95(4):485–90
Laser deepithelialization: an adjunct to reduction mammaplasty. Becker DW Jr, et al. **Plast Reconstr Surg** 1987 May;79(5):754–60

Resection of the liver with the Nd:YAG laser. Joffe SN, et al. **Surg Gynecol Obstet** 1986 Nov;163(5):437–42

Laser thermal angioplasty: from the experimental model to early human experience. Ryan TJ, et al. **Trans Am Clin Climatol Assoc** 1986;98:36–42

Neodymium YAG and dye laser iridotomy—a comparative study. Wishart PK, et al. **Trans Ophthalmol Soc UK** 1986; 105 (Pt 5):521–40

Clinical use of carbon dioxide (CO2) laser in microsurgical vasovasostomy. Rosemberg SK. **Urology** 1987 Apr; 29(4):372–4

Some guidelines in use of lasers in renal surgery. Rosemberg SK. **Urology** 1987 Feb;29(2):141–5

[Conization of the cervix with a CO2 laser] Asping U, et al. **Ugeskr Laeger** 1986 Oct 27;148(44):2828–30 (Eng. Abstr.) **(Dan)**

[Treatment of buccal mucosa lesions with the carbon dioxide laser] Clouet M, et al. **Rev Stomatol Chir Maxillofac** 1986; 87(4):227–32 (Eng. Abstr.) **(Fre)**

[CW neodymium: YAG laser photocoagulation of the rabbit fundus—effect on the choroid and sclera in comparison to argon laser photocoagulation] Lorenz B, et al. **Fortschr Ophthalmol** 1986;83(4):436–40 (Eng. Abstr.) **(Ger)**

[Retinal function following panretinal laser coagulation in diabetic retinopathy—dependence on the size and density of coagulation spots] Seiberth V, et al. **Fortschr Ophthalmol** 1986;83(4):462–6 (Eng. Abstr.) **(Ger)**

[Use of far UV light in photoablation of the cornea] Seiler T, et al. **Fortschr Ophthalmol** 1986;83(5):556–8 (Eng. Abstr.) **(Ger)**

[Long-term results of Nd-YAG laser iridotomy and indications deriving from it] Büchner M, et al. **Klin Monatsbl Augenheilkd** 1986 Jun;188(6):565–7 (Eng. Abstr.) **(Ger)**

[Krypton and argon laser coagulation in chorioretinitis centralis serosa] Makabe R. **Klin Monatsbl Augenheilkd** 1987 Jun;190(6):489–90 (Eng. Abstr.) **(Ger)**

[Comparative krypton and argon laser trabeculoplasty] Makabe R. **Klin Monatsbl Augenheilkd** 1986 Aug; 189(2):118–20 (Eng. Abstr.) **(Ger)**

[Experiences with laser therapy in different forms of glaucoma with open and closed chamber angle] Schlosshardt S. **Klin Monatsbl Augenheilkd** 1986 Jul; 189(1):19–23 (Eng. Abstr.) **(Ger)**

[Histologic changes in the epithelium of the respiratory mucosa of the lower turbinates following argon laser strip carbonization in vasomotor rhinitis] Lenz H, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Aug;65(8):438–44 (Eng. Abstr.) **(Ger)**

[Laser angioplasty of peripheral arterial occlusions. Experimental and clinical results] Lammer J, et al. **ROFO** 1987 Aug;147(2):119–23 (Eng. Abstr.) **(Ger)**

[Combination treatment of hypopharyngeal cancer using endoscopic laser surgery and radiation follow-up] Steiner W, et al. **Sonderb Strahlenther Onkol** 1987;81:108–13 **(Ger)**

[Therapeutic endoscopy in digestive cancer] Takemoto T, et al. **Gan No Rinsho** 1986 Aug;32(10):1077–81 (Eng. Abstr.) **(Jpn)**

[Experimental study of deep brain radiation with the Nd-YAG laser. A possible new treatment for deep-seated brain tumor] Fujishima I, et al. **Neurol Med Chir (Tokyo)** 1986 Aug;26(8):621–7 (Eng. Abstr.) **(Jpn)**

[Experimental study of sutureless micro-vascular anastomosis using Nd-YAG laser combined with a water-soluble PVA splint] Niijima K. **Nippon Geka Hokan** 1987 Mar 1; 56(2):156–67 (Eng. Abstr.) **(Jpn)**

[Laser coagulation of the mandible in removing adjacent malignant neoplasms] Sidorov SD. **Stomatologiia (Mosk)** 1987 Mar-Apr;66(2):41–2 (Eng. Abstr.) **(Rus)**

[Use of the CO2 laser beam in shaping a Filatov pedicle] Sidorov SD. **Stomatologiia (Mosk)** 1987 May-Jun; 66(3):51–3 (Eng. Abstr.) **(Rus)**

[Use of the CO2 laser beam in combined maxillofacial operations] Sidorov SD. **Vestn Khir** 1987 Apr;138(4):49–51 (Eng. Abstr.) **(Rus)**

[Description of a treatment technic using a CO2 laser in a lymphangioma of the upper aerodigestive tract] Videgain Salaverría G, et al. **An Otorrinolaringol Ibero Am** 1987; 14(2):145–52 (Eng. Abstr.) **(Spa)**

[Indications for the use of high-power laser in proctology] Pujol Soler R, et al. **Rev Esp Enferm Apar Dig** 1987 Mar; 71(3):223–7 (Eng. Abstr.) **(Spa)**

STANDARDS

Safety precautions for bronchoscopic CO2 laser surgery. Duncavage JA, et al. **Otolaryngol Head Neck Surg** 1986 Sep;95(2):242–4

TRENDS

A short history of ophthalmic laser. Hertzberg R. **Aust N Z J Ophthalmol** 1986 Nov;14(4):387–8

Prospects for laser application in cardiac operations. Björk VO, et al. **Cardiovasc Clin** 1987;17(3):415–20

More light shed on structure and destruction of plaque as laser angioplasty research heats up [news] Goldsmith MF. **JAMA** 1987 Jan 16;257(3):288

Comparison studies needed before new lasers join the medical mainstream [news] Ziporyn T. **JAMA** 1987 Apr 24; 257(16):2132

Growth of a multitalented medical tool [news] Ziporyn T. **JAMA** 1987 Apr 17;257(15):2000–1

Laser applications amplified as new developments, uses abound [news] Ziporyn T. **JAMA** 1987 Apr 17;257(15):2000

The road toward 21st century surgery: new strategies and initiatives in cancer treatment. Jako GJ. **Lasers Surg Med** 1987;7(3):217–8

[Laser surgery and other forms of laser treatment. Present and future possibilities] Illum P. **Ugeskr Laeger** 1987 Feb 9;149(7):438–41 (Eng. Abstr.) **(Dan)**

[Lasers in medicine... yesterday—today—tomorrow] Müller GJ. **Biomed Tech (Berlin)** 1987 Apr;32(4):66–8 **(Ger)**

[Laser angioplasty: current status, problems and prospects] Petrosian IuS, et al. **Kardiologiia** 1986 Aug;26(8):114–8 (34 ref.) **(Rus)**

[Current status and outlook for the use of lasers in oncology] Moskalik KG, et al. **Vopr Onkol** 1987;33(2):3–11 (55 ref.) **(Rus)**

VETERINARY

Neodymium (Nd):YAG laser surgery in the equine larynx: a pilot study. Tate LP, et al. **Lasers Surg Med** 1986; 6(5):473–6

LASER VELOCIMETERS see **FLOWMETERS**

LASERS

see related
HOLOGRAPHY

Clinical salvage of an ischemic flap with diode laser irradiation. Maruyama Y, et al. **Acta Chir Plast** 1986; 28(4):232–7

The interaction between excimer laser energy and vascular tissue. Murphy-Chutorian D, et al. **Am Heart J** 1986 Oct; 112(4):739–45

Ultrastructural changes in liver after the test exposition of laser irradiation. Dubrzyński A, et al. **Am J Forensic Med Pathol** 1986 Dec;7(4):298–300

The effects of laser smoke on the lungs of rats. Baggish MS, et al. **Am J Obstet Gynecol** 1987 May;156(5):1260–5

Location of the centers of resistance for anterior teeth during retraction using the laser reflection technique. Vanden Bulcke MM, et al. **Am J Orthod Dentofacial Orthop** 1987 May;91(5):375–84

Evaluation of an infrared laser-Doppler blood flowmeter. Shepherd AP, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):G832–9

Effect of sample stream radius upon light scatter distributions generated with a Gaussian beam light source in the sheath flow cuvette. Zarrin F, et al. **Anal Chem** 1987 Mar 15; 59(6):846–50

Light scatter detection within the sheath flow cuvette for size determination of multicomponent submicrometer particle suspensions. Zarrin F, et al. **Anal Chem** 1987 Mar 15;59(6):850–4

Laser Doppler velocimetry for particle size determination by light scatter within the sheath flow cuvette. Zarrin F, et al. **Anal Chem** 1987 Mar 15;59(6):854–60

Effects of He-Ne/I. R. laser irradiation on two lines of normal human fibroblasts in vitro. Balboni GC, et al. **Arch Ital Anat Embriol** 1986 Jul-Sep;91(3):179–88

Neodymium-YAG laser vitreolysis in sickle cell retinopathy. Hrisomalos NF, et al. **Arch Ophthalmol** 1987 Aug; 105(8):1087–91

Thermal effects of far ultraviolet excimer laser radiation on biologic tissue. Wollenek G, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):327–9

In vitro fluoride uptake by lased and unlased ground human enamel. Hattab FN. **ASDC J Dent Child** 1987 Jan-Feb; 54(1):15–7

Laser irradiation of the copepod Tisbe holothuriae: further studies of effects on fertilisation and egg production. Brand GW, et al. **Australas Phys Eng Sci Med** 1986 Apr-Jun; 9(2):93–5

Picosecond laser absorption and emission techniques for fast rotation and lateral transport. Beddard GS. **Biochem Soc Trans** 1986 Oct;14(5):827–32

Use of laser-UV for inactivation of virus in blood products. Prodouz KN, et al. **Blood** 1987 Aug;70(2):589–92

Green lasers for patient positioning in radiotherapy [letter] Tuohy JB. **Br J Radiol** 1986 Oct;59(706):1050

Failure to confirm report of light-evoked response of peripheral nerve to low power helium-neon laser light stimulus. Wu WH, et al. **Brain Res** 1987 Jan 20;401(2):407–8

Brain surface exposure to CO2 and NdYag laser application: effect on pulmonary endothelium response in the rat. Brizio-Molteni L, et al. **Burns Incl Therm Inj** 1987 Feb; 13(1):22–5

Bactericidal action of carbon dioxide laser radiation in experimental dental root canals. Zakariasen KL, et al. **Can J Microbiol** 1986 Dec;32(12):942–6

Performance characteristics of a laser scanner and laser printer system for radiological imaging. Lo SC, et al. **Comput Radiol** 1986 Sep-Oct;10(5):227–37

Applications of laser microprobe mass analysis in medicine. Verbueken AH, et al. **CRC Crit Rev Clin Lab Sci** 1987; 24(4):263–85 (135 ref.)

Design and application of a versatile triple-laser cell and chromosome sorter. Lebo RV, et al. **Cytometry** 1987 Jan; 8(1):71–82

Comparison of helium-neon and dye lasers for the excitation of allophycocyanin. Loken MR, et al. **Cytometry** 1987 Jan; 8(1):96–100

Laser noise and news. Shapiro HM. **Cytometry** 1987 May; 8(3):248–50

No photoinactivation of Propionibacterium acnes with soft laser treatment [letter] Johnsson A, et al. **Dermatologica** 1987;175(1):50

Human cerebral potentials evoked by CO2 laser stimuli causing pain. Bromm B, et al. **Exp Brain Res** 1987; 67(1):153–62

Changes in mouse Leydig cell steroidogenesis following infrared and helium-neon laser irradiation. Celani MF, et al. **Exp Clin Endocrinol** 1987 Mar;89(1):16–22

Helion-neon and infra-red laser do not modify the U.V.A. and U.V.B. minimal erythema dose. Benoldi D, et al. **Farmaco [Prat]** 1987 Aug;42(8):193–7

Delayed retinal effects of the frequency-doubled YAG laser (532 nm). Mosier MA, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1298–305

Determination of subunit molecular weights of canine renal (Na+,K+)-ATPase by low-angle laser light scattering coupled with high performance gel chromatography in the presence of sodium dodecyl sulfate. Takagi T, et al. **J Biochem (Tokyo)** 1987 Mar;101(3):805–11

Metal ion binding sites of bacteriorhodopsin. Laser-induced lanthanide luminescence study. Ariki M, et al. **J Biol Chem** 1987 Apr 15;262(11):4947–51

Recording the beam path of laser instruments. Forman JA. **J Biol Photogr** 1987 Jan;55(1):15–7

Biostimulation of wound healing by lasers: experimental approaches in animal models and in fibroblast cultures. Abergel RP, et al. **J Dermatol Surg Oncol** 1987 Feb; 13(2):127–33

Comparison of laser and ultraviolet techniques used in the detection of body secretions. Auvdel MJ. **J Forensic Sci** 1987 Mar;32(2):326–45

Unscheduled DNA synthesis in human skin after in vitro ultraviolet-excimer laser ablation. Green HA, et al. **J Invest Dermatol** 1987 Aug;89(2):201–4

Melanosomes are a primary target of Q-switched ruby laser irradiation in guinea pig skin. Polla LL, et al. **J Invest Dermatol** 1987 Sep;89(3):281–6

Human percutaneous and intraoperative laser thermal angioplasty: initial clinical results as an adjunct to balloon angioplasty. Sanborn TA, et al. **J Vasc Surg** 1987 Jan; 5(1):83–90

Laser radiation in the treatment of prosthetic graft stenosis. A preliminary study of prosthesis damage by laser energy. Seeger JM, et al. **J Vasc Surg** 1987 Sep;6(3):221–5

Basic research paves the way for lasers precise enough to slice genes [news] Ziporyn T. **JAMA** 1987 Apr 24; 257(16):2131

Nd:YAG laser irradiation of an eye model: experimental analysis. Docchio F, et al. **Lasers Surg Med** 1987;6(6):520–9

Experimental study of CO2-laser-induced histological effects on human fallopian tube: determination of CO2 laser parameters to be used in microsurgery. Foulot H, et al. **Lasers Surg Med** 1987;7(2):202–6

Modeling optical and thermal distributions in tissue during laser irradiation. Jacques SL, et al. **Lasers Surg Med** 1987; 6(6):494–503

Effects of low-watt helium neon laser radiation on human lymphocyte cultures. Meyers AD, et al. **Lasers Surg Med** 1987;6(6):540–2

HeNe laser irradiation delivered transcutaneously: its effect on the sciatic nerve of rats. Nissan M, et al. **Lasers Surg Med** 1986;6(5):435–8

Laser modulation of human immune system: inhibition of lymphocyte proliferation by a gallium-arsenide laser at low energy. Ohta A, et al. **Lasers Surg Med** 1987;7(2):199–201

Bactericidal effects of the neodymium:YAG laser: in vitro study. Schultz RJ, et al. **Lasers Surg Med** 1986;6(5):445–8

Examination of tooth pulp following laser beam irradiation. Serebro L, et al. **Lasers Surg Med** 1987;7(3):236–9

Morphological and surface temperature changes in femoral arteries following laser irradiation. Sorensen EM, et al. **Lasers Surg Med** 1987;7(3):249–57

Practical models for light distribution in laser-irradiated tissue. Welch AJ, et al. **Lasers Surg Med** 1987;6(6):488–93

Flow cytometry in biomedical science. Watson JV. **Nature** 1987 Feb 19-25;325(6106):741–2

The effect of nondamaging intensity laser irradiation on the immune system. Kupin VI, et al. **Neoplasma** 1987; 34(3):325–31

Technique of experimental aneurysm formation in the rat common carotid artery using the milliwatt carbon dioxide laser and the adventitia patch model. Ammirati M, et al. **Neurosurgery** 1986 Nov;19(5):732–4

Visualization of optical breakdown phenomena [letter] Adams RL, et al. **Ophthalmic Surg** 1987 Mar;18(3):236, 239

Effect of argon laser photocoagulation on the permeability of the blood-retinal barrier. Tsukahara Y, et al. **Ophthalmologica** 1987;194(1):27–33

Cellular processes causing defects in Bruch's membrane following krypton laser photocoagulation. Pollack A, et al. **Ophthalmology** 1986 Aug;93(8):1113–9

Morphology of the trabecular meshwork within monkey (Macaca speciosa) eyes after irradiation with the free-running Nd:YAG laser. van der Zypen E, et al. **Ophthalmology** 1987 Feb;94(2):171–9

Inhibition of nucleic acid synthesis in cells exposed to 200 micrometers radiation from the free electron laser. Berns MW, et al. **Photochem Photobiol** 1987 Aug;46(2):165–7

Laser-stimulated luminescence used to measure x-ray diffraction of a contracting striated muscle. Amemiya Y, et al. **Science** 1987 Jul 10;237(4811):164–8

Optical trapping and manipulation of viruses and bacteria. Ashkin A, et al. **Science** 1987 Mar 20;235(4795):1517–20

Ablation of polymers and biological tissue by ultraviolet lasers. Srinivasan R. **Science** 1986 Oct 31;234(4776):559–65

Thermal effects on the trabecular meshwork induced by laser irradiation: clinical implications deduced from ultrastructural studies on the macaca speciosa monkey. Fankhauser F, et al. **Trans Ophthalmol Soc UK** 1986;105 (Pt 5):555–61

[Changes in the estrous cycle of the rat after irradiation with a helium–neon laser] Burgudzhieva T, et al. **Akush Ginekol (Sofiia)** 1986;25(5):50–5 (Eng. Abstr.) **(Bul)**

[Electrocardiogram effects following He–Ne laser irradiation of "neiguan" in cats]Zhang SY, et al. **Chen Tzu Yen Chiu** 1986;11(1):60–5 (Eng. Abstr.) **(Chi)**

[Ultrastructural changes of the human gastric cancer cell line MGc 80–3 caused by HpD–laser in vitro] An G, et al. **Shih Yen Sheng Wu Hsueh Pao** 1986 Jun;19(2):173–81 (Eng. Abstr.) **(Chi)**

[Effect of the soft laser on gingival connective tissue. I—Effect on fibroblasts. Histoenzymology and electron microscopy study] Chomette G, et al. **J Biol Buccale** 1987 Mar;15(1):45–9 (Eng. Abstr.) **(Fre)**

[Effect of the soft laser on gingival connective tissue. II—Effect on wound healing. Optical microscopy, histoenzymology and electron microscopy studies] Chomette G, et al. **J Biol Buccale** 1987 Mar;15(1):51–7 (Eng. Abstr.) **(Fre)**

[Laser scanning ophthalmoscopy] Plesch A, et al. **Fortschr Ophthalmol** 1986;83(5):530–1 (Eng. Abstr.) **(Ger)**

[Lasers in ophthalmology: physical bases] Dürr U. **Ther Umsch** 1987 Apr;44(4):265–72 (Eng. Abstr.) **(Ger)**

[Effects of argon laser on the skin] Marini D, et al. **G Ital Dermatol Venereol** 1986 Jul–Aug;121(4):285–8 (Eng. Abstr.) **(Ita)**

[Effects of a low–energy laser beam on the cells of the newt embryo] Azakami T. **Iyodenshi To Seitai Kogaku** 1987 Mar; 25(1):69–74 (Eng. Abstr.) **(Jpn)**

[Effects of intraocular irradiation of Nd:YAG laser on the lens] Nakaizumi H, et al. **Nippon Ganka Gakkai Zasshi** 1987 Feb;91(2):208–12 (Eng. Abstr.) **(Jpn)**

[Method to determine aqueous protein concentration in vivo] Sawa M, et al. **Nippon Ganka Gakkai Zasshi** 1987 Jan; 91(1):102–6 (Eng. Abstr.) **(Jpn)**

[Fibronectin in cultured chick retinal pigment epithelial cells. 3. The production of fibronectin after laser burn] Yamakawa R, et al. **Nippon Ganka Gakkai Zasshi** 1987 Apr; 91(4):409–14 (Eng. Abstr.) **(Jpn)**

[Infrared lasers and electronic endoscopy] Ichii M, et al. **Nippon Rinsho** 1987 Jun;45(6):1255–61 **(Jpn)**

[Biological effect of lasers: thermal, photochemical and electromagnetic effects] Ohshiro T. **Nippon Rinsho** 1987 Apr;45(4):705–9 (10 ref.) **(Jpn)**

[Photoradiation therapy (PRT). 1. Photochemical action of lasers] Sato S, et al. **Nippon Rinsho** 1987 Apr;45(4):762–8 (24 ref.) **(Jpn)**

[Basic theory and specific character of lasers] Takuma H. **Nippon Rinsho** 1987 Apr;45(4):697–704 (5 ref.) **(Jpn)**

[Effect of helium–neon laser irradiation on the spleen of intact and x-irradiated mice] Samokhvalova NS. **Dokl Akad Nauk SSSR** 1987;292(3):729–33 **(Rus)**

[The role of fractionation of the dose of pulsed laser red rays in their effect on the spleen of intact and x-irradiated mice] Samokhvalova NS. **Dokl Akad Nauk SSSR** 1987; 292(4):993–6 **(Rus)**

[Movement of melanosomes in melanocytes fragmented by laser irradiation] Vardanian AG, et al. **Dokl Akad Nauk SSSR** 1987 Mar–Apr;293(1):215–9 **(Rus)**

[Reactions of the cardiorespiratory system to low–intensity infrared laser irradiation of local areas of the skin on the wrist] Seleznev VI, et al. **Fiziol Cheloveka** 1986 Jul–Aug; 12(4):595–600 **(Rus)**

[Hygienic assessment of the working conditions and health status of workers in the manufacture of helium–neon lasers] Ushkova IN. **Gig Tr Prof Zabol** 1987 May;(5):41–2 **(Rus)**

[Current status and major trends in the development of medical laser technology] Aref'ev IM. **Med Tekh** 1986 Jul–Aug;(4):40–5 **(Rus)**

[Role of oxidative–reductive enzymes of the tissues of the eye and brain in the mechanism of action of low–intensity IR–laser radiation] Trusova NF, et al. **Patol Fiziol Eksp Ter** 1987 Jan–Feb;(1):16–9 (Eng. Abstr.) **(Rus)**

[Effect of the combined action of laser irradiation and an alternating magnetic field on the multiplication of Mycobacterium tuberculosis] Kazakov IV, et al. **Probl Tuberk** 1986;(10):62–4 (Eng. Abstr.) **(Rus)**

[Action of powerful ultrashort laser impulses on the permeability of the outer membrane of HeLa cells] Karu TI. **Radiobiologia** 1986 Nov–Dec;26(6):793–7 (Eng. Abstr.) **(Rus)**

[Effect of continuous and modulated laser radiation on the activity of enzymes of glutamic acid metabolism in rat tissues] Pikulev AT, et al. **Radiobiologiia** 1986 Sep–Oct; 26(5):712–4 (Eng. Abstr.) **(Rus)**

[Action of the radiation from a neon laser and from noncoherent blue light on Escherichia coli bacteria] Tiflova OA, et al. **Radiobiologiia** 1986 Nov–Dec;26(6):829–32 (Eng. Abstr.) **(Rus)**

[Catecholamine content and acetylcholinesterase activity in the brain of rats exposed to lasers] Zyrianova TN, et al. **Radiobiologiia** 1987 Jan–Feb;27(1):94–7 (Eng. Abstr.) **(Rus)**

[Substantiation of the use of the helium–neon laser (data of a bacteriologic study)] Klimova LA, et al. **Vestn Otorinolaringol** 1986 Nov–Dec;(6):67–8 (Eng. Abstr.) **(Rus)**

[Effect of laser and non–laser radiation on the brain (experimental study)] Kashuba VA, et al. **Zh Nevropatol Psikhiatr** 1987;87(4):544–7 (Eng. Abstr.) **(Rus)**

[Identification and monitoring of toxic components in the gaseous phase using laser photoacoustic spectroscopy] Bićanić DD, et al. **Arh Hig Rada Toksikol** 1986 Jun; 37(2):275–84 (Eng. Abstr.) **(Ser)**

[Laser lysis of sutures in microsurgical procedures] Juhás T, et al. **Cesk Oftalmol** 1987 May;43(3):204–5 (Eng. Abstr.) **(Slo)**

[Effects of YAG–laser on the mucosa of the upper digestive tract. In vitro study] Pifano E, et al. **GEN** 1986 Jan–Mar; 40(1):30–1 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Coaxial laser energy delivery using a steerable catheter in canine coronary arteries. Anderson HV, et al. **Am Heart J** 1987 Jan;113(1):37–48

Potential laser hazards to the clinician during photocoagulation. Sliney DH, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):758–60

Laser influence on the rate of degeneration of damaged nerves. Ren ZD, et al. **Anat Anz** 1987;163(2):111–7

Synergistic effects of sequential carbon dioxide and neodymium:yttrium aluminum garnet laser injuries. Experimental observations and measurements. Primrose WJ, et al. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb;96(1 Pt 1):47–52

Accelerated healing of carbon dioxide laser burns in rats treated with composite polyurethane dressings. Chan P, et al. **Arch Dermatol** 1987 Aug;123(8):1042–5

Recurrent subretinal neovascularization [letter] Sorenson JA, et al. **Arch Ophthalmol** 1987 Jan;105(1):22

Laser–induced endothelial damage inhibits endothelium–dependent relaxation in the cerebral microcirculation of the mouse. Rosenblum WI, et al. **Circ Res** 1987 Feb;60(2):169–76

Experimental study of argon laser–induced microthrombosis during PGI2 infusion. Boncinelli S, et al. **Eur Surg Res** 1987;19(3):171–7

Laser–induced glaucoma in rabbits. Gherezghiher T, et al. **Exp Eye Res** 1986 Dec;43(6):885–94

Biological effects of intrahepatic neodymium:yttrium–aluminum–garnet laser photocoagulation in rats. Matthewson K, et al. **Gastroenterology** 1987 Sep;93(3):550–7

Field laser hazard calculations. Marshall WJ, et al. **Health Phys** 1987 Jan;52(1):27–37

Interferometric technique for investigation of laser thermal retinal damage. Krauss JM, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1290–7

Comparison of glare in YAG–damaged intraocular lenses: injection–molded versus lathe–cut. Bath PE, et al. **J Cataract Refract Surg** 1986 Nov;12(6):662–4

Optic damage seen with YAG laser treatment [letter] Fechner PU. **J Cataract Refract Surg** 1986 Sep;12(5):533–4

Effect of the Nd:YAG laser on polymethylmethacrylate, HEMA copolymer, and silicone intraocular materials. Keates RH, et al. **J Cataract Refract Surg** 1987 Jul; 13(4):401–9

Ultrastructure: effects of melanin pigment on target specificity using a pulsed dye laser (577 nm). Tong AK, et al. **J Invest Dermatol** 1987 Jun;88(6):747–52

Pulsed laser damage thresholds and laser treatment energy parameters, in vivo, of human aphakic intraocular membranes. Davi SK. **Lasers Surg Med** 1986;6(5):449–58

Electron microscopy of CO2–laser–induced effects in human fibrocartilage. Whipple TL, et al. **Lasers Surg Med** 1987; 7(2):184–8

Laser He/Ne light exposure of red blood cells. Wilander L, et al. **Med Biol Eng Comput** 1986 Sep;24(5):558–60

Experimental carbon dioxide laser brain lesions and intracranial dynamics: Part 3. Effect on cerebral blood flow. James HE, et al. **Neurosurgery** 1987 Feb;20(2):219–21

Effects of CO2 laser radiation on the skin of the rat. Light and scanning electron microscopy study. Watanabe I, et al. **Okajimas Folia Anat Jpn** 1987 May;64(1):81–97

Mutagenic potential of a 193–nm excimer laser on fibroblasts in tissue culture. Trentacoste J, et al. **Ophthalmology** 1987 Feb;94(2):125–9

Neodymium: YAG laser damage threshold. A comparison of injection–molded and lathe–cut polymethylmethacrylate intraocular lenses. Wilson SE, et al. **Ophthalmology** 1987 Jan;94(1):7–11

[Experimental study on tumor metastasis after treatment by hematoporphyrin derivative and laser] Gao J, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Jul;8(4):256–8 (Eng. Abstr.) **(Chi)**

[Scanning electron microscopy of laser–induced retinal damage] Xu JM. **Chung Hua Yen Ko Tsa Chih** 1987 May; 23(3):129–30 (Eng. Abstr.) **(Chi)**

[Endothelial lesions after treatment with the Nd:YAG laser] Eisner G. **Bull Mem Soc Fr Ophtalmol** 1986;97:196–7 **(Fre)**

[Subretinal neovessels of the posterior pole after pan–photocoagulation for diabetic retinopathy] Bacin F, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1385–6, 1388 (Eng. Abstr.) **(Fre)**

[Regeneration of the rabbit corneal endothelium following direct Nd:YAG laser trauma] Hartmann C, et al. **Fortschr Ophthalmol** 1986;83(4):444–7 (Eng. Abstr.) **(Ger)**

[Side effects of YAG laser treatment] Winter R, et al. **Klin Monatsbl Augenheilkd** 1986 Jun;188(6):590–2 (Eng. Abstr.) **(Ger)**

[Catalase activity in argon–laser irradiation] Wolf S, et al. **Klin Monatsbl Augenheilkd** 1986 Jun;188(6):584–6 (Eng. Abstr.) **(Ger)**

[Conjunctival changes caused by the helium–neon laser] Carboni M, et al. **Riv Med Aeronaut Spaz** 1984 Oct–Dec; 51(4):95–100 (Eng. Abstr.) **(Ita)**

[Conjunctival changes caused by a helium–neon laser] Carboni M, et al. **Riv Med Aeronaut Spaz** 1984 Apr–Sep; 50(2–3):93–8 **(Ita)**

[Effect of polarized and depolarized laser beams on the relation between glucocorticoid function of the adrenal cortex and systemic hemodynamics] Grishina EF, et al. **Gig Tr Prof Zabol** 1986 Oct;(10):52–4 **(Rus)**

[Occupational medicine and health status of medical personnel working with lasers and ultrasound equipment] Pal'tsev IuP, et al. **Gig Tr Prof Zabol** 1986 Oct;(10):27–31 (Eng. Abstr.) **(Rus)**

[Morphologic changes in the ciliary body after transconjunctivo–scleral coagulation using an AYG laser] Aleksandrova NN, et al. **Oftalmol Zh** 1986;(7):439–41 (Eng. Abstr.) **(Rus)**

[Function of the visual analyzer in assemblers at laser installations] Grishina EF, et al. **Oftalmol Zh** 1986;(5):302–4 (Eng. Abstr.) **(Rus)**

[Action on the cornea of pulsed laser radiation at a wavelength of 1.96 mu m] Avdeev PS, et al. **Vestn Oftalmol** 1987 May–Jun;103(3):48–51 (Eng. Abstr.) **(Rus)**

[Adenosine triphosphatase activity of erythrocyte membranes of rats and cation distribution in the blood during exposure to low–intensity laser] Panasiuk EN, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Mar–Apr; (2):37–8 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Transcutaneous PO2 and laser Doppler blood flow measurements in 40 patients with venous leg ulcers. Sindrup JH, et al. **Acta Derm Venereol (Stockh)** 1987;67(2):160–3

Nervous control of tracheal blood flow in the cat measured by the laser Doppler technique. Martling CR, et al. **Acta Physiol Scand** 1987 Jul;130(3):409–17

Laser temperature–jump apparatus for the study of force changes in fibers. Davis JS, et al. **Anal Biochem** 1987 Mar; 161(2):543–9

Laser–Doppler examinations in persons with healthy vasculature and in patients with peripheral arterial occlusive disease. Ranft J, et al. **Angiology** 1986 Nov; 37(11):818–27

Clinical evaluation of laser Doppler blood flow measurements in free flaps. Walkinshaw M, et al. **Ann Plast Surg** 1987 Mar;18(3):212–7

Laser scanning: a method of retinal imaging. Wynn–Williams GM, et al. **Australas Phys Eng Sci Med** 1986 Oct–Dec; 9(4):153–62

Comparison of laser Doppler and Doppler ultrasound in lower limb vascular diagnosis. Cochrane T, et al. **Clin Phys Physiol Meas** 1987 Aug;8(3):231–8

Dual–laser, differential fluorescence correction method for reducing cellular background autofluorescence. Steinkamp JA, et al. **Cytometry** 1986 Nov;7(6):566–74

Biophysical fundamentals, technical prerequisites, and safety aspects for the application of the neodymium–YAG laser in urology. Frank F. **Eur Urol** 1986;12 Suppl 1:3–11 (19 ref.)

Microdissection of human chromosomes by a laser microbeam. Monajembashi S, et al. **Exp Cell Res** 1986 Nov; 167(1):262–5

Evaluation of sperm motility by laser—Doppler–spectroscopy in an in–vitro fertilization programme. Pusch HH, et al. **Hum Reprod** 1986 Jun; 1(4):233–5

Measurement in vitro of pulsatile arterial diameter using a helium–neon laser. Brant AM, et al. **J Appl Physiol** 1987 Feb;62(2):679–83

Noninvasive determination of skin perfusion pressure using a laser Doppler. Castronuovo JJ Jr, et al. **J Cardiovasc Surg (Torino)** 1987 May–Jun;28(3):253–7

Ultrasonic assessment of skin and wounds with the scanning laser acoustic microscope. Olerud JE, et al. **J Invest Dermatol** 1987 May;88(5):615–23

Somatostatin neurons in the small intestine of the guinea pig: a light and electron microscopic immunocytochemical study combined with nerve lesion experiments by laser

irradiation. Endo Y, et al. **J Neurocytol** 1986 Dec; 15(6):725–31

Simulation of laser tomoscopy in a heterogeneous biological medium. Maarek JM, et al. **Med Biol Eng Comput** 1986 Jul;24(4):407–14

Force generation by muscle fibers in rigor: a laser temperature–jump study. Davis JS, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):975–9

Measurement of colonic blood flow with laser Doppler flowmetry. Ahn H, et al. **Scand J Gastroenterol** 1986 Sep; 21(7):871–80

Assessment of blood flow in the small intestine with laser Doppler flowmetry. Ahn H, et al. **Scand J Gastroenterol** 1986 Sep;21(7):863–70

Laser Doppler examination of peripheral microvascular reactivity. Lerche A, et al. **Surg Gynecol Obstet** 1986 Nov; 163(5):410–4

Dentifrice abrasivity. The use of laser light for determination of the abrasive properties of different silicas. An in vitro study. Redmalm G. **Swed Dent J** 1986;10(6):243–50

Computer assisted scanning laser monitor of optical quality of the excised crystalline lens. Sivak JG, et al. **Vision Res** 1986;26(11):1873–9

[Determination of visual acuity by laser interference fringes] Wang FR. **Chung Hua Yen Ko Tsa Chih** 1987 May; 23(3):151–4 (Eng. Abstr.) **(Chi)**

[Testing of toilet detergents for skin irritation. Clinical readings and measurement of blood circulation by laser Doppler technic] Serup J, et al. **Ugeskr Laeger** 1987 Feb 9;149(7):472–3 (Eng. Abstr.) **(Dan)**

[Paradoxical results of the retinometry using helium–neon laser interferometry] Schraub M, et al. **Bull Soc Ophtalmol Fr** 1986 May;86(5):725–9 (Eng. Abstr.) **(Fre)**

[The laser. Applications in urology] Bonard M. **Rev Med Suisse Romande** 1986 Aug;106(8):697–702 **(Fre)**

[Use of lasers in ophthalmologic diagnosis and research] Niesel P. **Ther Umsch** 1987 Apr;44(4):313–6 (Eng. Abstr.) **(Ger)**

[In vitro studies of human lenses by using laser light scattering spectroscopy] Nakatani H, et al. **Iyodenshi To Seitai Kogaku** 1986 Sep;24(5):310–4 (Eng. Abstr.) **(Jpn)**

[Application of lasers in biometry and diagnosis] Kikuchi M. **Nippon Rinsho** 1987 Apr;45(4):720–8 (29 ref.) **(Jpn)**

[Laser endoscopy: diagnosis and therapy. I. Diagnosis of neoplasms and instruments of laser endoscopy] Nakamura S, et al. **Nippon Rinsho** 1987 Apr;45(4):826–32 (24 ref.) **(Jpn)**

[Use of lasers in the diagnosis and treatment of diseases of the respiratory organs] Dziublik Ala, et al. **Probl Tuberk** 1987;(4):59–64 (56 ref.) **(Rus)**

[Assessment of human sperm motility by using a laser device] Es'kov AP, et al. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):57–9 (Eng. Abstr.) **(Rus)**

[Laser retinometry in the presence of refraction abnormalities] Mustaev IA, et al. **Vestn Oftalmol** 1986 Nov–Dec;102(6):50–2 (Eng. Abstr.) **(Rus)**

[Integral dispersion of laser rays as a method of studying hemolysis] Sedlák M, et al. **Cesk Fysiol** 1986;35(6):514–8 **(Slo)**

HISTORY

Le sens du futur or reading behind the writing on the wall. Aron–Rosa DS. **J Cataract Refract Surg** 1987 Jul; 13(4):428–30

INSTRUMENTATION

A rotating slit delivery system for excimer laser refractive keratoplasty. Hanna K, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 2):474

Efficiency and safety of optically modified fiber tips for laser angioplasty. Geschwind HJ, et al. **J Am Coll Cardiol** 1987 Sep;10(3):655–61

Ophthalmic photodisruptor systems. Trokel S. **Ophthalmology** 1986 Sep;93(9 Suppl):26–36

[The green monochromatic argon laser (I. Technical study)] Pithon F. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1313–5 (Eng. Abstr.) **(Fre)**

STANDARDS

[Status of the antioxidant system in experimental animals in hygienic standardization of laser irradiation] Rodionova LP, et al. **Gig Tr Prof Zabol** 1986 Nov;(11):49–51 **(Rus)**

[Setting standards for reflected laser radiation] Ushkova IN, et al. **Vrach Delo** 1986 Oct;(10):112–6 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Electrophysiological effect of HeNe laser on normal and injured sciatic nerve in the rat. Rochkind S, et al. **Acta Neurochir (Wien)** 1986;83(3–4):125–30

Intraocular pressure reduction after argon laser trabeculoplasty in open–angle glaucoma. A two–year follow–up. Bergeå B. **Acta Ophthalmol (Copenh)** 1986 Aug; 64(4):401–6

A comparison of laser acupuncture versus placebo in radicular and pseudoradicular pain syndromes as recorded by subjective responses of patients. Kreczi T, et al. **Acupunct Electrother Res** 1986;11(3–4):207–16

Removal of atherosclerotic plaque using multiple short exposures of argon ion laser light. Kramer JR, et al. **Am Heart J** 1987 Apr;113(4):1038–40

Intraoperative mapping–guided argon laser ablation of malignant ventricular tachycardia. Saksena S, et al. **Am J Cardiol** 1987 Jan 1;59(1):78–83

Photodisruption of intraocular gas bubbles. Whitacre MM, et al. **Am J Ophthalmol** 1987 Aug 15;104(2):145–8

Biostimulation of wound healing in vivo by a helium–neon laser. Lyons RF, et al. **Ann Plast Surg** 1987 Jan;18(1):47–50

Wound healing in porcine skin following low–output carbon dioxide laser irradiation of the incision. Robinson JK, et al. **Ann Plast Surg** 1987 Jun;18(6):499–505

Petroleum products and lasers do not mix [letter] Agee K, et al. **AORN J** 1987 Jun;45(6):1274

Carbon dioxide lasers: a broader perspective [letter] Anderson RR. **Arch Dermatol** 1987 May;123(5):566–7

Histopathology of krypton red laser panretinal photocoagulation. A clinicopathologic correlation. Johnson RN, et al. **Arch Ophthalmol** 1987 Feb;105(2):235–8

Endolaser, cryopexy, and retinal reattachment in the air–filled eye. A clinicopathologic correlation. Johnson RN, et al. **Arch Ophthalmol** 1987 Feb;105(2):231–4

Excimer laser ablation of the lens. Nanevicz TM, et al. **Arch Ophthalmol** 1986 Dec;104(12):1825–9

Mirror laser–treatment lenses: possible risks associated with lens design [letter] Ward B. **Arch Ophthalmol** 1986 Nov; 104(11):1585–6

Argon laser panretinal photocoagulation for diabetic retinopathy. Scanning electron microscopy of human choroidal vascular casts. Wilson DJ, et al. **Arch Ophthalmol** 1987 Feb;105(2):239–42

Carbon dioxide laser in removal of polytef paste. Koch WM, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jun; 113(6):661–4

The detection and management of the acute rise in intraocular pressure following laser trabeculoplasty. Leung KW, et al. **Aust N Z J Ophthalmol** 1986 Aug;14(3):259–62

The pitfalls of laser coronary angioplasty research [letter] Keogh BE, et al. **Br J Hosp Med** 1987 Jul;38(1):81

Arterial healing in the dog after intraluminal delivery of pulsed Nd–YAG laser energy. Cross FW, et al. **Br J Surg** 1987 May;74(5):430–5

Laser endoscopy. Brown SG. **Br Med Bull** 1986 Jul; 42(3):307–13 (67 ref.)

Artificial sapphire contact endoprobe with Nd–YAG laser in the treatment of subglottic stenosis [letter] Mehta AC, et al. **Chest** 1987 Mar;91(3):473–4

Cryotherapy or Nd–YAG laser in the treatment of tracheobronchial tumors? [letter] Vergnon JM, et al. **Chest** 1987 Mar;91(3):473

Laser–assisted percutaneous angioplasty: initial clinical experience in peripheral arteries. Cumberland DC, et al. **Clin Radiol** 1986 Sep;37(5):423–8

Laser angioplasty. Ferris EJ, et al. **Compr Ther** 1986 Oct; 12(10):3–5

Which laser for what? Polla LL. **Dermatologica** 1986; 173(1):1–4

Tunable pulsed dye laser for the treatment of benign cutaneous vascular ectasia. Polla LL, et al. **Dermatologica** 1987;174(1):11–7

Fragmentation of biliary calculi with tunable dye lasers. Nishioka NS, et al. **Gastroenterology** 1987 Aug;93(2):250–5

Laser technology applications in gastroenterology [letter] Glaser D, et al. **Gastrointest Endosc** 1987 Apr;33(2):125

Nd:YAG laser treatment of a bleeding Dieulafoy's lesion. Al–Kawas FH, et al. **Gastrointest Endosc** 1987 Feb; 33(1):38–9

Comparison of the infrared coagulator and the carbon dioxide laser in the removal of decorative tattoos. Groot DW, et al. **J Am Acad Dermatol** 1986 Sep;15(3):518–22

Development and experimental application of contact probe catheter for laser angioplasty. Geschwind HJ, et al. **J Am Coll Cardiol** 1987 Jan;9(1):101–7

Percutaneous coronary laser thermal angioplasty. Sanborn TA, et al. **J Am Coll Cardiol** 1986 Dec;8(6):1437–40

Palliation of malignant tracheobronchial obstruction by Nd–YAG laser: an update of experience at the Cleveland Clinic Foundation. Livingston DR, et al. **J Am Osteopath Assoc** 1987 Mar;87(3):226–34

Use of the laser for welding cracks on the dental enamel. Nammour S, et al. **J Biol Buccale** 1987 Mar;15(1):37–43

Photochemotherapy of animal tumors with the photosensitizer methylene blue using a krypton laser. König K, et al. **J Cancer Res Clin Oncol** 1987;113(3):301–3

The role of 1% sodium hyaluronate in treating vitreous incarceration with the neodymium:YAG laser in patients with corneal decompensation. Alpar JJ. **J Cataract Refract Surg** 1986 Sep;12(5):502–6

Laser therapy in gastrointestinal practice. Sanowski RA. **J Clin Gastroenterol** 1987 Feb;9(1):83–7 (23 ref.)

Photodynamic therapy for tumors. Wieman TJ, et al. **J Ky Med Assoc** 1986 Sep;84(9):495–8

Laser treatment of primary amyloidosis of the larynx. McIlwain JC, et al. **J Laryngol Otol** 1986 Sep; 100(9):1079–80

Argon laser–induced arterial photothrombosis. Characterization and possible application to therapy of arteriovenous malformations. Watson BD, et al. **J Neurosurg** 1987 May;66(5):748–54

Morphologic changes following Neodymium–YAG laser irradiation of urinary bladder tumors. Beisland HO. **J Oslo City Hosp** 1986 May–Jun;36(5–6):47–54

Partial splenectomy with the CO2 laser: an alternative technique. Reynolds M, et al. **J Surg Res** 1986 Dec; 41(6):580–6

Therapeutic effect of He–Ne laser irradiation of point erman in schizophrenic auditory hallucination—a clinical assessment. Liu ZZ, et al. **J Tradit Chin Med** 1986 Dec; 6(4):253–6

Pulsed dye laser fragmentation of ureteral calculi: initial clinical experience. Dretler SP, et al. **J Urol** 1987 Mar; 137(3):386–9

Percutaneous management of renal pelvic tumors: a treatment option in selected cases. Smith AD, et al. **J Urol** 1987 May; 137(5):852–6

The pulsed dye laser for fragmenting urinary calculi. Watson G, et al. **J Urol** 1987 Jul;138(1):195–8

An assessment of the pulsed dye laser for fragmenting calculi in the pig ureter. Watson G, et al. **J Urol** 1987 Jul; 138(1):199–202

Laser applications amplified as new developments, uses abound [news] Ziporyn T. **JAMA** 1987 Apr 17;257(15):2000

Photoradiation therapy using argon laser and a hematoporphyrin derivative for retinoblastoma—a preliminary report. Ohnishi Y, et al. **Jpn J Ophthalmol** 1986;30(4):409–19

Effect of argon laser photoradiation on monkey retina treated with hematoporphyrin derivative—fluorescein angiographic and light microscopic study. Ohnishi Y, et al. **Jpn J Ophthalmol** 1987;31(1):160–70

Percutaneous laser angioplasty with sapphire tips [letter] Cross FW, et al. **Lancet** 1987 Feb 7;1(8528):330

Laser coronary angioplasty under direct vision [letter] Richens D, et al. **Lancet** 1987 Sep 19;2(8560):683

American Society for Laser Medicine and Surgery. Seventh annual meeting. San Francisco, California, April 11–13, 1987. Abstracts. **Lasers Surg Med** 1987;7(1):67–135

Photodynamic therapy: the state of the art. Carruth JA. **Lasers Surg Med** 1986;6(4):404–7

Current laser dentistry. Goldman L, et al. **Lasers Surg Med** 1987;6(6):559–62

Latest treatment in dentistry by means of the CO2 laser beam. Melcer J. **Lasers Surg Med** 1986;6(4):396–8

Effects of low–energy He–Ne laser irradiation on posttraumatic degeneration of adult rabbit optic nerve. Schwartz M, et al. **Lasers Surg Med** 1987;7(1):51–5

Bone fracture consolidates faster with low–power laser. Trelles MA, et al. **Lasers Surg Med** 1987;7(1):36–45

Treatment of the red nose with the argon laser. Dicken CH. **Mayo Clin Proc** 1986 Nov;61(11):893–5

Palliative neodymium:YAG laser therapy for esophageal carcinoma: experience of a military medical center. Stokes EW, et al. **Milit Med** 1987 Mar;152(3):139–40

Laser photocoagulation for the treatment of acute peptic–ulcer bleeding. A randomized controlled clinical trial. Krejs GJ, et al. **N Engl J Med** 1987 Jun 25; 316(26):1618–21

Photodynamic therapy in vitro and in vivo with hematoporphyrin derivative and laser light. Canti G, et al. **Neoplasma** 1987;34(1):61–6

Stimulatory effect of He–Ne low dose laser on injured sciatic nerves of rats. Rochkind S, et al. **Neurosurgery** 1987 Jun; 20(6):843–7

Argon laser phototherapy of phthiriasis palpebrarum. Awan KJ. **Ophthalmic Surg** 1986 Dec;17(12):813–4

A step–zoom probe for laser endophotocoagulation: I. Design. Pankratov MM, et al. **Ophthalmic Surg** 1987 Jan; 18(1):61–5

Factors affecting the results of argon laser trabeculoplasty in open–angle glaucoma. Traverso CE, et al. **Ophthalmic Surg** 1986 Sep;17(9):554–9

Treatment of recurrent squamous papillomata of the conjunctiva by carbon dioxide laser vaporization. Bosniak SL, et al. **Ophthalmology** 1986 Aug;93(8):1078–82

Argon laser photocoagulation for macular edema in branch vein occlusion. Finkelstein D. **Ophthalmology** 1986 Jul; 93(7):975–7

Wavelength selection in macular photocoagulation. Tissue optics, thermal effects, and laser systems. Mainster MA. **Ophthalmology** 1986 Jul;93(7):952–8

Modified grid argon (blue–green) laser photocoagulation for diffuse diabetic macular edema. Olk RJ. **Ophthalmology** 1986 Jul;93(7):938–50

Argon laser photocoagulation treatment in central serous chorioretinopathy. Robertson DM. **Ophthalmology** 1986 Jul;93(7):972–4

Comparative efficacy of continuous and pulsed argon laser ablation of human diseased ventricle. Ciccone J, et al. **PACE** 1986 Sep;9(5):697–704

Soft–laser therapy of rheumatoid arthritis. Bliddal H, et al. **Scand J Rheumatol** 1987;16(4):225–8

A prospective randomized study on neodymium–YAG laser irradiation versus TUR in the treatment of urinary bladder cancer. Beisland HO, et al. **Scand J Urol Nephrol** 1986; 20(3):209–12

Neodymium–YAG laser in the management of posterior capsular opacification—complications and current trends. MacEwen CJ, et al. **Trans Ophthalmol Soc UK** 1986;105 (Pt 3):337–44

Intraocular cyclophotocoagulation. Shields MB. **Trans Ophthalmol Soc UK** 1986;105 (Pt 2):237–41

Treatment of interstitial cystitis with neodymium:YAG laser.

Shanberg AM, et al. **Urology** 1987 Apr;29(4 Suppl):31–3
Use of Nd:YAG laser in treatment of bladder cancer.
Shanberg AM, et al. **Urology** 1987 Jan;29(1):26–30
[Laser therapy in the combined treatment of peptic ulcer patients] Vinogradova MA, et al. **Vutr Boles** 1986; 25(5):29–31 **(Bul)**
[The change in left heart function by laser radiation on the zusanli point in 10 aged cases] Peng Y, et al.
Chen Tzu Yen Chiu 1986;11(1):18–9 (Eng. Abstr.) **(Chi)**
[The effect of laser at acupoints on the coronary patient's left ventricular function and comparison with the effect of acupuncture] Shen XL, et al. **Chen Tzu Yen Chiu** 1986; 11(1):14–7 (Eng. Abstr.) **(Chi)**
[Fiberoptic bronchoscopy–argon laser treatment of bronchogenic carcinoma (31 cases)] Deng WW.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1986 Dec;9(6):338–40, 382 (Eng. Abstr.) **(Chi)**
[Gastric cancer treated by hematoporphyrin derivative(HPD)–laser—histopathological study of 10 gastrectomy specimens] Zhu QF, et al.
Chung Hua Chung Liu Tsa Chih 1986 Nov;8(6):456–7 (Eng. Abstr.) **(Chi)**
[Nursing care of cancers treated by hematoporphyrin laser therapy] Su YM. **Chung Hua Hu Li Tsa Chih** 1986 Dec; 21(9):394–5 **(Chi)**
[Experiment of Nd–YAG laser in caries prevention]
Chung Hua Kou Chiang Ko Tsa Chih 1986 Mar;21(2):113–6 **(Chi)**
[Hematoporphyrin derivative (HpD) and lasers in the treatment of lip cancer: with report of 41 cases] Zhao FY, et al. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Mar; 21(2):96–8, 128 (Eng. Abstr.) **(Chi)**
[Use of the laser in cardiovascular diseases] Li JH, et al.
Chung Hua Wai Ko Tsa Chih 1986 Sep;24(9):565–8 (19 ref.) **(Chi)**
[High–power Nd:YAG laser in the treatment of liver cancer: experimental and clinical study] Yu YQ, et al.
Chung Hua Wai Ko Tsa Chih 1986 Mar;24(3):152–5, 188 (Eng. Abstr.) **(Chi)**
[Laser angioplasty (editorial)] Geschwind H.
Arch Mal Coeur 1986 Aug;79(9):1269–70 **(Fre)**
[Value of the combined Yag picosecond + argon laser in peripheral iridectomies] Blondeau F.
Bull Soc Ophtalmol Fr 1986 Dec;86(12):1525–6 (Eng. Abstr.) **(Fre)**
[Incidence of posterior capsulotomy following extracapsular lens extraction] Comte P, et al. **Bull Soc Ophtalmol Fr** 1986 Dec;86(12):1561–2 (Eng. Abstr.) **(Fre)**
[Which laser? For what disease?] Coscas G.
Bull Soc Ophtalmol Fr 1986 Nov;86(11):1281–2 **(Fre)**
[Palliative treatment of cancer of the esophagus and cardia by laser photo–ablation] Maunoury V, et al.
Gastroenterol Clin Biol 1987 May;11(5):371–5 (Eng. Abstr.) **(Fre)**
[Palliative treatment of cancers of the esophagus and cardia with neodymium YAG laser: short–term results and multidimensional analysis of factors related to functional improvement and tumor destruction] Naveau S, et al.
Gastroenterol Clin Biol 1987 May;11(5):364–70 (Eng. Abstr.) **(Fre)**
[Treatment of bronchial cancer by laser photosensitization after labelling with a hematoporphyrin derivative (letter)] Guerin JC, et al. **Presse Med** 1986 Oct 11;15(34):1731 **(Fre)**
[The laser in physical medicine and rheumatology] Gritten C, et al. **Rev Med Liege** 1987 Mar 15;42(6):230–4 **(Fre)**
[Laser bioactiometry in the human] Prehn H.
Biomed Tech (Berlin) 1987 Apr;32(4):80–7 (Eng. Abstr.) **(Ger)**
[Laser–induced shockwave lithotripsy] Hofstetter A.
Dtsch Med Wochenschr 1987 Jul 31;112(31–32):1195–6 **(Ger)**
[Transfemoral peripheral laser angioplasty (letter)] Klepzig M, et al. **Dtsch Med Wochenschr** 1987 Feb 20;112(8):324 **(Ger)**
[Percutaneous laser angioplasty in peripheral arterial occlusions] Zeitler E. **Dtsch Med Wochenschr** 1986 Oct 3;111(40):1543–4 **(Ger)**
[Lithotripsy of urinary calculi with laser–induced shock waves] Hofstetter A, et al. **Fortschr Med** 1986 Sep 18; 104(35):654–6 (Eng. Abstr.) **(Ger)**
[Fiction and truth of the "soft laser." Claimed "biostimulation" of the athermic laser—cancellation of eligibility for compensation] Schwing C. **Fortschr Med** 1987 May 10; 105(14):78–9 **(Ger)**
[Possibilities and limits of the laser] Unsöld E.
Verh Dtsch Ges Inn Med 1986;92:153–63 **(Ger)**
[Neodymium YAG laser therapy in dermatology] Fürnsinn G. **Z Hautkr** 1987 Feb 15;62(4):305–12 (Eng. Abstr.) **(Ger)**
[Laser photocoagulation in the hemostasis of digestive system hemorrhages] Török A, et al. **Orv Hetil** 1987 Apr 26; 128(17):873–7 (Eng. Abstr.) **(Hun)**
[Calcified periarthritis. Disappearance of periarticular calcification after laser therapy] Gussetti P, et al.
Radiol Med (Torino) 1986 Dec;72(12):934–6 (Eng. Abstr.) **(Ita)**
[Application of Nd–YAG laser hyperthermia in urogenital tumors] Shirahama T, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 1):738–40 **(Jpn)**
[A study on the application of combined treatment of Nd–YAG laser irradiation and radiotherapy in unresectable advanced lung cancer] Ono R, et al.
Nippon Gan Chiryo Gakkai Shi 1986 Aug 20;21(7):1402–8 (Eng. Abstr.) **(Jpn)**
[A clinical investigation of the indications of Nd–YAG laser irradiation in malignant diseases causing central airway stenosis] Arita M, et al.
Nippon Kyobu Geka Gakkai Zasshi 1987 Mar;35(3):283–9 (Eng. Abstr.) **(Jpn)**
[Prospects of current laser medicine] Atsumi K.
Nippon Rinsho 1987 Apr;45(4):685–96 (0 ref.) **(Jpn)**
[The laser hospital] Atsumi K, et al. **Nippon Rinsho** 1987 Apr;45(4):729–35 **(Jpn)**
[Laser endoscopy: diagnosis and therapy. 7. Laser endoscopy therapy of gastrointestinal hemorrhage and stomach ulcers] Harada K, et al. **Nippon Rinsho** 1987 Apr;45(4):872–6 (9 ref.) **(Jpn)**
[Laser endoscopy: diagnosis and therapy. 4. Development of the lateral radiation fiber probe] Hashimoto D.
Nippon Rinsho 1987 Apr;45(4):843–8 (7 ref.) **(Jpn)**
[Clinical application of the thermal effect of lasers. 2. Application of the laser thermal effect to the therapy of liver neoplasms] Hashimoto D. **Nippon Rinsho** 1987 Apr; 45(4):888–96 (17 ref.) **(Jpn)**
[The First International Conference on the Clinical Applications of Photosensitization in Diagnosis and Treatment] Hayata Y, et al. **Nippon Rinsho** 1986 Dec; 44(12):2705–10 (10 ref.) **(Jpn)**
[Laser endoscopy: diagnosis and therapy. 3. Development of the contact optic fiber probe] Hoshihara Y, et al.
Nippon Rinsho 1987 Apr;45(4):837–42 (11 ref.) **(Jpn)**
[Photoradiation therapy (PRT). 5. N2 dye laser photoradiation therapy] Ida K, et al. **Nippon Rinsho** 1987 Apr;45(4):788–93 (12 ref.) **(Jpn)**
[Photoradiation therapy (PRT). 3. Research and developmental trends in photosensitization substances] Ido K, et al. **Nippon Rinsho** 1987 Apr;45(4):776–80 (22 ref.) **(Jpn)**
[Clinical application of low–intensity lasers. 3. Therapy of pain and inflammation] Kamikawa K, et al.
Nippon Rinsho 1987 Apr;45(4):756–61 (11 ref.) **(Jpn)**
[Photoradiation therapy (PRT). 7. Clinical study of photoradiation therapy: clinical application and efficacy. d. Brain neoplasms] Kaneko S. **Nippon Rinsho** 1987 Apr; 45(4):817–25 **(Jpn)**
[Photoradiation therapy (PRT). 7. Clinical study of photoradiation therapy: clinical application and efficacy. b. Lung neoplasms and bronchial neoplasms] Kato H, et al. **Nippon Rinsho** 1987 Apr;45(4):806–11 **(Jpn)**
[Laser endoscopy: diagnosis and therapy. 2. Laser endoscopy and use of the video camera] Katsu K. **Nippon Rinsho** 1987 Apr;45(4):833–6 (5 ref.) **(Jpn)**
[Photoradiation therapy (PRT). 4. Various effects of PRT using argon dye laser on experimental animals] Motomura K, et al. **Nippon Rinsho** 1987 Apr;45(4):781–7 (12 ref.) **(Jpn)**
[Photoradiation therapy (PRT). 7. Clinical study of photoradiation therapy: clinical application and efficacy. c. Bladder neoplasms] Naito K, et al. **Nippon Rinsho** 1987 Apr;45(4):812–6 (15 ref.) **(Jpn)**
[Clinical application of the thermal effect of lasers. 1. Application of the Nd–YAG laser in inducing hyperthermia] Nobori T, et al. **Nippon Rinsho** 1987 Apr; 45(4):882–7 (14 ref.) **(Jpn)**
[Clinical application of the thermal effect of lasers. 3. Photocoagulation in the field of ophthalmologic diseases and its progress and problems] Noyori K.
Nippon Rinsho 1987 Apr;45(4):897–900 (6 ref.) **(Jpn)**
[Laser endoscopy: diagnosis and therapy. 5. Laser endoscopy therapy of digestive system neoplasms] Oguro Y, et al.
Nippon Rinsho 1987 Apr;45(4):849–55 (13 ref.) **(Jpn)**
[Laser endoscopy: diagnosis and therapy. 6. Laser endoscopy therapy of lung neoplasms] Ono R, et al.
Nippon Rinsho 1987 Apr;45(4):856–71 (28 ref.) **(Jpn)**
[Photoradiation therapy (PRT). 6. Excited dimer dye laser PDT] Sakai H, et al. **Nippon Rinsho** 1987 Apr;45(4):794–9 (6 ref.) **(Jpn)**
[Clinical application of low–intensity lasers. 2. Acceleration of wound healing by low–intensity laser irradiation] Taguchi Y, et al. **Nippon Rinsho** 1987 Apr;45(4):749–55 **(Jpn)**
[Photoradiation therapy (PRT). 7. Clinical study of photoradiation therapy: clinical application and efficacy. a. Clinical application and the efficacy of photoradiation therapy on digestive system neoplasms] Tajiri H, et al.
Nippon Rinsho 1987 Apr;45(4):800–5 **(Jpn)**
[Laser endoscopy: diagnosis and therapy. 8. Laser endoscopy lithotripsy of biliary tract calculi] Yamazaki Y, et al.
Nippon Rinsho 1987 Apr;45(4):877–81 **(Jpn)**
[Use of laser beams in the removal of atheromatous plaques in vivo. Experimental study] Ribeiro MP, et al.
Arq Bras Cardiol 1986 Feb;46(2):95–7 (Eng. Abstr.) **(Por)**
[Experience in using the helium–neon laser to prevent postoperative complications of perineal wounds and to treat nipple cracks in puerperal women] Bazhanova LP, et al.
Akush Ginekol (Mosk) 1986 Aug;(8):35–7 **(Rus)**
[Effect of helium–neon laser radiation on restoration of the structure of the microcirculatory bed and neurocytes of the small intestine following experimental ischemia] Mel'man EP, et al. **Arkh Anat Gistol Embriol** 1987 May; 92(5):39–45 (Eng. Abstr.) **(Rus)**
[Action of laser radiation on the peroxide chemiluminescence of wound exudate] Romm AR, et al.
Biull Eksp Biol Med 1986 Oct;102(10):426–8 (Eng. Abstr.) **(Rus)**
[Molecular mechanism of the therapeutic effect of low–intensity laser irradiation] Karu TI.
Dokl Akad Nauk SSSR 1986;291(5):1245–9 **(Rus)**
[Complex treatment of brachio–scapular periarthrisis using laser therapy] Berglezov MA, et al. **Klin Khir** 1986; (12):31–2 (Eng. Abstr.) **(Rus)**
[Use of the low–energy laser in the combined treatment of gastric and duodenal peptic ulcer] Bukhaliuk NA, et al.
Klin Khir 1986;(11):58–9 **(Rus)**
[Laser therapy in the treatment of suppurative postoperative wounds] Dudenko GI, et al. **Klin Khir** 1987;(1):52–4 (Eng. Abstr.) **(Rus)**
[Effect of a magnetic field and of laser radiation on the healing of deep burns of the hand] Galduk VI, et al.
Klin Khir 1987;(3):8–10 (Eng. Abstr.) **(Rus)**
[Current possibilities and prospects of using gas lasers in medicine. Laser therapy] Alelnikov VS, et al.
Med Tekh 1987 May–Jun;(3):5–12 (Eng. Abstr.) **(Rus)**
[The ALP–1 apparatus for electrolaser puncture] Beliaev RP, et al. **Med Tekh** 1986 Jul–Aug;(4):58–9 **(Rus)**
[Optimal parameters of experimental krypton laser radiation on the tissues of the fundus oculi] Linnik LA, et al.
Oftalmol Zh 1986;(4):216–9 (Eng. Abstr.) **(Rus)**
[Laser therapy in posttraumatic arthrosis deformans] Ternovoi KS, et al. **Ortop Travmatol Protez** 1987 Apr; (4):30–2 (Eng. Abstr.) **(Rus)**
[Low–intensity laser irradiation in the treatment of suppurative wounds] Gostishchev VK, et al. **Sov Med** 1986; (12):102–3 **(Rus)**
[The helium–neon laser in the treatment of suppurative–inflammatory diseases in diabetes mellitus patients] Gostishchev VK, et al. **Sov Med** 1987;(6):27–30 (Eng. Abstr.) **(Rus)**
[The helium–neon laser in gastric and duodenal ulcers] Korochkin IM, et al. **Sov Med** 1986;(9):108–9 **(Rus)**
[The helium–neon laser in bronchial asthma and chronic obstructive bronchitis] Maksimov NI. **Sov Med** 1986; (9):103–5 **(Rus)**
[OKG–12 laser in the treatment of postoperative complications in esophageal cancer] Mamontov AS, et al.
Sov Med 1986;(8):95–7 **(Rus)**
[Laser therapy in gynecological endocrinology] Serov VN, et al. **Sov Med** 1986;(7):53–6 (32 ref.) **(Rus)**
[Laser therapy of psychoneurotic disorders in severe craniocerebral injury] Speranskaia OI, et al. **Sov Med** 1987; (4):50–3 (Eng. Abstr.) **(Rus)**
[Changes in blood flow values during the treatment of an uncomplicated mandibular fracture using a laser] Kats AG, et al. **Stomatologiia (Mosk)** 1987 Mar–Apr;66(2):38–41 (Eng. Abstr.) **(Rus)**
[Helium–neon laser radiation in the combined treatment of children with nonspecific lymphadenitis of the face and neck] Shargorodskii AG, et al. **Stomatologiia (Mosk)** 1986 Nov–Dec;65(6):30–2 (Eng. Abstr.) **(Rus)**
[Laser therapy of seronegative spondyloarthritis] Lerner LA.
Ter Arkh 1987;59(4):86–8 (Eng. Abstr.) **(Rus)**
[Use of low–intensity laser irradiation in the treatment of suppurative wounds] Gostishchev VK, et al. **Vestn Khir** 1987 Mar;138(3):61–3 (Eng. Abstr.) **(Rus)**
[Use of intravenous irradiation by quantum generators in congenital heart defects complicated by septic endocarditis] Litasova EE, et al. **Vestn Khir** 1986 Sep;137(9):11–4 (Eng. Abstr.) **(Rus)**
[Use of lasers in the treatment of bile duct obstruction of benign origin] Mokeev AF. **Vestn Khir** 1986 Nov; 137(11):11–5 (Eng. Abstr.) **(Rus)**
[Method of increasing the effect of laser treatment in non–pigmented secondary cataracts] Dzhaliashvili OA, et al. **Vestn Oftalmol** 1986 Jul–Aug;102(4):15–7 (Eng. Abstr.) **(Rus)**
[Effect of therapeutic lasers on the status of local and cerebral hemodynamics in patients with non–closing trephine cavities of the middle ear] Bogomanova DN.
Vestn Otorinolaringol 1987 Mar–Apr;(2):82–3 **(Rus)**
[Microcirculation in patients with vasomotor rhinitis and its dynamics before and after the therapeutic use of laser irradiation] Filatov VF, et al. **Vestn Otorinolaringol** 1986 Nov–Dec;(6):63–6 (Eng. Abstr.) **(Rus)**
[Biophotometry of the palatine tonsils during treatment with helium–neon laser radiation] Klimova LA, et al.
Vestn Otorinolaringol 1987 Jul–Aug;(4):36–7 (Eng. Abstr.) **(Rus)**
[Treatment of chronic tonsillitis patients with helium–neon laser radiation] Preobrazhenskii NA, et al.
Vestn Otorinolaringol 1987 Mar–Apr;(2):33–5 (Eng. Abstr.) **(Rus)**
[Experience in the laser therapy of arthritis and arthrosis of the temporomandibular joint] Ivanov AS. **Voen Med Zh** 1986 Sep;(9):48–50 **(Rus)**
[Laser therapy of rheumatoid arthritis and osteoarthrosis] Ushakov AA, et al. **Voen Med Zh** 1987 May;(5):54–5 **(Rus)**
[Use of lasers in the treatment of ecthyma and chronic ulcerative pyoderma] Zaerko VV, et al. **Voen Med Zh** 1987 Apr;(4):63–4 **(Rus)**
[Microcirculatory indices in the conjunctiva of patients with chronic ischemic heart disease in response to laser exposure of biologically active points] Barila GG.
Vopr Kurortol Fizioter Lech Fiz Kult 1986 Nov–Dec;

(6):51–2 (Rus)
[Effect of laser and aerosol electrophytotherapy on immunological reactivity in respiratory diseases in children] Orzheshkovskiĭ VV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 May–Jun; (3):30–2 (Eng. Abstr.) (Rus)
[Effect of thymalin and epithalamin on the metastasis of experimental tumors irradiated with pulsed laser radiation] Moskalik KG. **Vopr Onkol** 1987;33(1):57–62 (Eng. Abstr.) (Rus)
[Inactivation of tumor cells photosensitized by porphyrins—the basis for laser photodynamic therapy (review of the literature)] Gordienko VI, et al. **Vrach Delo** 1987 May;(5):98–102 (80 ref.) (Rus)
[Use of immunomodulating and laser therapy in rheumatoid arthritis patients] Iarema NZ, et al. **Vrach Delo** 1987 Apr; (4):59–61 (Eng. Abstr.) (Rus)
[Fragmentation of calculi with lasers] Hofmann R. **Arch Esp Urol** 1986 Sep;39 Suppl 1:15–21 (Eng. Abstr.) (Spa)

LASSA FEVER

DIAGNOSIS

Pediatric Lassa fever: a review of 33 Liberian cases. Monson MH, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):408–15
A case-control study of the clinical diagnosis and course of Lassa fever. McCormick JB, et al. **J Infect Dis** 1987 Mar;155(3):445–55

MICROBIOLOGY

Clinical virology of Lassa fever in hospitalized patients. Johnson KM, et al. **J Infect Dis** 1987 Mar;155(3):456–64

OCCURRENCE

Epidemiology and control of Lassa fever. McCormick JB. **Curr Top Microbiol Immunol** 1987;134:69–78
A prospective study of the epidemiology and ecology of Lassa fever. McCormick JB, et al. **J Infect Dis** 1987 Mar; 155(3):437–44
Lassa fever—new issues raised by field studies in West Africa. Monath TP. **J Infect Dis** 1987 Mar;155(3):433–6
No evidence for increased risk of Lassa fever infection in hospital staff. Helmick CG, et al. **Lancet** 1986 Nov 22; 2(8517):1202–5
Lassa fever in children in Sierra Leone, West Africa. Webb PA, et al. **Trans R Soc Trop Med Hyg** 1986;80(4):577–82

PHYSIOPATHOLOGY

Physiological and immunologic disturbances associated with shock in a primate model of Lassa fever. Fisher-Hoch SP, et al. **J Infect Dis** 1987 Mar;155(3):465–74

PREVENTION & CONTROL

Lassa fever. Banatvala JE. **Br Med J [Clin Res]** 1986 Nov 15;293(6557):1256–7
Vaccinia recombinant expressing Lassa-virus internal nucleocapsid protein protects guineapigs against Lassa fever. Clegg JC, et al. **Lancet** 1987 Jul 25;2(8552):186–8

THERAPY

Pathophysiology and treatment of Lassa fever. Fisher-Hoch SP, et al. **Curr Top Microbiol Immunol** 1987;134:231–9

LASSA VIRUS see under **ARENAVIRIDAE**

LASSITUDE see **FATIGUE**

LATENCY PERIOD (PSYCHOLOGY) see under **PSYCHOSEXUAL DEVELOPMENT**

LATENT RAT VIRUS see under **PARVOVIRIDAE**

LATENT SCHIZOPHRENIA see **SCHIZOTYPAL PERSONALITY DISORDER**

LATERAL HYPOTHALAMIC AREA see **HYPOTHALAMIC AREA, LATERAL**

LATERAL HYPOTHALAMIC NUCLEUS see **HYPOTHALAMIC AREA, LATERAL**

LATERAL SCLEROSIS see **AMYOTROPHIC LATERAL SCLEROSIS**

LATERALITY

Mirror-like reproduction of a tactile-kinestesic nonsense-shape stimulus on a two-handed task in normal subjects. Rinaldi LA, et al. **Acta Neurol (Napoli)** 1986 Oct; 8(5):558–9
Left-side preference in holding and carrying newborn infants. A three-year follow-up study. de Château P. **Acta Psychiatr Scand** 1987 Mar;75(3):283–6
Influence of handedness on spatial compatibility effects with perpendicular arrangement of stimuli and responses. Ladavas E. **Acta Psychol (Amst)** 1987 Jan;64(1):13–23
Cerebral laterality and the study of alcoholism. London WP. **Alcohol** 1987 May–Jun;4(3):207–8
Handedness distribution in a residential population with severe or profound mental retardation. Soper HV, et al. **Am J Ment Defic** 1987 Jul;92(1):94–102
Crossing the midline as a function of distance from midline. Atwood RM, et al. **Am J Occup Ther** 1986 Oct; 40(10):685–90
Right-hemisphere deficit syndrome in children [letter] **Am J Psychiatry** 1987 Jun;144(6):830–1
Brain damage from nondominant ECT [letter] Breggin PR. **Am J Psychiatry** 1986 Oct;143(10):1320–1
Left cerebral hemisphere hypodensity in discordant schizophrenic twins. A controlled study. Reveley MA, et al. **Arch Gen Psychiatry** 1987 Jul;44(7):625–32
Handedness and esotropia. Lessell S. **Arch Ophthalmol** 1986 Oct;104(10):1492–4
Absence of complete internasal-interocular transfer of habituation of exploratory behavior in rats. Ribeiro-do-Valle LE. **Behav Brain Res** 1987 Apr; 24(1):47–57
Alterations in cerebral laterality during acute psychotic illness. Wexler BE. **Br J Psychiatry** 1986 Aug;149:202–9
Facial asymmetry and the attribution of personality traits. McGee AM, et al. **Br J Soc Psychol** 1987 Jun;26 (Pt 2):181–4
Recovery from ideomotor apraxia. A study on acute stroke patients. Basso A, et al. **Brain** 1987 Jun;110 (Pt 3):747–60
The measurement of handedness. Chapman LJ, et al. **Brain Cogn** 1987 Apr;6(2):175–83
Left sidedness and sleep difficulty: the alinormal syndrome. Coren S, et al. **Brain Cogn** 1987 Apr;6(2):184–92
Methodological issues in the use of the concurrent activities paradigm. Green A, et al. **Brain Cogn** 1986 Oct;5(4):465–76
A time sharing cross-sectional study of monolinguals and bilinguals at different levels of second language acquisition. Green A. **Brain Cogn** 1986 Oct;5(4):477–97
Lateralized interference in finger tapping: comparisons of rate and variability measures under speed and consistency tapping instructions. Kee DW, et al. **Brain Cogn** 1986 Jul; 5(3):268–79
Perceptual asymmetry for chimeric faces across the life span. Levine SC, et al. **Brain Cogn** 1986 Jul;5(3):291–306
The role of spatial complexity in the perception of speech and pure tones in dichotic listening. Murray J. **Brain Cogn** 1986 Oct;5(4):452–64
Anomalous dominance in sibling stutterers: evidence from CT scan asymmetries, dichotic listening, neuropsychological testing, and handedness. Strub RL, et al. **Brain Lang** 1987 Mar;30(2):338–50
Callosal mediation of cortical inhibition in the lateralized rat brain. Denenberg VH, et al. **Brain Res** 1986 Nov 12; 397(2):327–32
The perceptual "window" in two-handed braille: do the left and right hands process text simultaneously? Millar S. **Cortex** 1987 Mar;23(1):111–22
Birth order and lateral preferences. Nachshon I, et al. **Cortex** 1986 Dec;22(4):567–78
Marguerite Auzias' test of handedness [letter] Auzias M. **Dev Med Child Neurol** 1986 Aug;28(4):546–7
Spinal curvature and hand dominance [letter] Johnson EW. **Dev Med Child Neurol** 1987 Feb;29(1):121
Spinal curvature, hand dominance and prolonged upper-extremity use of wheelchair-dependent DMD patients [published erratum appears in Dev Med Child Neurol 1986 Dec;28(6):831] Lehman M, et al. **Dev Med Child Neurol** 1986 Oct;28(5):628–32
Occlusal, articular and temporomandibular joint dysfunction parameters versus chewing preference during the first chewing cycle. Hoogmartens MJ, et al. **Electromyogr Clin Neurophysiol** 1987 Feb;27(1):7–11
Hand posture. In writing with the nonpreferred hand. Education of the right hemisphere. van Schaik EC. **Electromyogr Clin Neurophysiol** 1986 Oct–Nov; 26(7):557–66
Median frequency of the myoelectric signal. Effects of hand dominance. De Luca CJ, et al. **Eur J Appl Physiol** 1986; 55(5):457–64
Neglect in a patient with multiple sclerosis. Graff-Radford NR, et al. **Eur Neurol** 1987;26(2):100–3
Laterality associated with sexual dimorphism in the volume of the mouse hypogastric ganglion. Suzuki Y, et al. **Exp Neurol** 1986 Oct;94(1):241–5
Some physical and psychological effects produced by selective delays of the envelope of narrow bands of noise. Amenta CA 3d, et al. **Hear Res** 1987;29(2–3):147–61
The path from classroom seating to hypnotizability—a dead end: a brief communication. Monteiro KP, et al. **Int J Clin Exp Hypn** 1987 Apr;35(2):83–6
Laterality, torque and personality. Strom DA, et al. **Int J Neurosci** 1987 Apr;33(3–4):179–84
Paw preferences in dogs. Tan U. **Int J Neurosci** 1987 Feb; 32(3–4):825–9
Handedness of hypothetically psychosis-prone subjects. Chapman JP, et al. **J Abnorm Psychol** 1987 May; 96(2):89–93
Laterality in the gallop gait of horses. Deuel NR, et al. **J Biomech** 1987;20(6):645–9
Subtraction in addition to addition: dual task performance improves when tasks are presented to separate hemispheres. Liederman J. **J Clin Exp Neuropsychol** 1986 Oct; 8(5):486–502
Strength of handedness as an indicant of delinquent's behavior. Grace WC. **J Clin Psychol** 1987 Jan;43(1):151–5
The combined effects of unilateral enucleation and rearing in a "dim" red light on synapse-to-neuron ratios in the rat superior colliculus. Mackay D, et al. **J Comp Neurol** 1987 Feb 15;256(3):444–53
Chewing side preference and muscle quality in complete denture-wearing subjects. Devlin H, et al. **J Dent** 1987 Feb;15(1):23–5
Space-time behavior of single and bimanual rhythmical movements: data and limit cycle model. Kay BA, et al. **J Exp Psychol [Hum Percept]** 1987 May;13(2):178–92
Negative ion effects on hemispheric processing and selective attention in the mentally retarded. Morton LL, et al. **J Ment Defic Res** 1987 Jun;31 (Pt 2):169–80
Relationship of laterality of stroke to emotional and functional outcome. Whitney FW. **J Neurosci Nurs** 1987 Jun;19(3):158–65
Left-handedness and dyslexia: an old myth revisited. Satz P, et al. **J Pediatr Psychol** 1987 Jun;12(2):291–8
Handedness of parents and sex of progeny. James WH. **J Theor Biol** 1986 Sep 21;122(2):243–5
Handedness in children with birthweights below 1000 g [letter] O'Callaghan MJ, et al. **Lancet** 1987 May 16; 1(8542):1155
Cerebral dominance, handedness, and epilepsy [letter] Schnuch A. **Lancet** 1987 Feb 28;1(8531):506
Spontaneous asymmetric circling behavior in hemi-parkinsonism; a human equivalent of the lesioned-circling rodent behavior. Bracha HS, et al. **Life Sci** 1987 Mar 16;40(11):1127–30
Left hemisphere advantage in the mouse brain for recognizing ultrasonic communication calls. Ehret G. **Nature** 1987 Jan 15–21;325(6101):249–51
Hemispheric differences in the judgment of number. Boles DB. **Neuropsychologia** 1986;24(4):511–9
Viewing conditions and hemisphere asymmetry for the lexical decision. Chiarello C, et al. **Neuropsychologia** 1986; 24(4):521–9
Lexical judgments after right- or left-hemisphere injury. Chiarello C, et al. **Neuropsychologia** 1986;24(5):623–30
Aesthetic preference and lateral preferences. McLaughlin JP. **Neuropsychologia** 1986;24(4):587–90
Impact of cultural pressures on self-reports of actual and approved hand use. Payne MA. **Neuropsychologia** 1987; 25(1B):247–58
Enhanced articulatory speed in ambidexters. Ponton CW. **Neuropsychologia** 1987;25(1B):305–11
Associations of handedness with hair color and learning disabilities. Schachter SC, et al. **Neuropsychologia** 1987; 25(1B):269–76
Suspected autoimmune disorders and left-handedness: evidence from individuals with diabetes. Crohn's disease and ulcerative colitis. Searleman A, et al. **Neuropsychologia** 1987;25(2):367–74
The crossed projection from the temporal retina to the dorsal lateral geniculate nucleus in the rat. Reese BE, et al. **Neuroscience** 1987 Mar;20(3):951–9
Proprioceptive accuracy in two dimensions. Crowe A, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 1):831–46
Visual hemispheric asymmetry and right-left confusion. Manga D, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 1):915–21
Left-handedness in twin families: support of an environmental hypothesis. Tambs K, et al. **Percept Mot Skills** 1987 Feb;64(1):155–70
Hemifield differences in perceived velocity. Smith AT, et al. **Perception** 1986;15(2):111–7
Aftereffects in binocular rivalry. Wade NJ, et al. **Perception** 1986;15(4):419–34
Binocular rivalry with rotary and radial motions. Wade NJ, et al. **Perception** 1986;15(4):435–42
Briefly presented stimuli can disrupt constant suppression and binocular rivalry suppression. Wolfe JM. **Perception** 1986; 15(4):413–7
Asymmetry in responsiveness of the hypothalamus of the female rat to estradiol. Roy EJ, et al. **Physiol Behav** 1987; 40(2):267–9
Physiological asymmetry of brain functions—its influence on the lateralization, symptomatology and course of the epileptic process. Krištof M, et al. **Physiol Bohemoslov** 1986;35(5):447–55
Serotonergic split brain and suicide. Arató M, et al. **Psychiatry Res** 1987 Aug;21(4):355–6
No relationship between handedness and sexual preference. Rosenstein LD, et al. **Psychol Rep** 1987 Jun;60(3 Pt 1):704–6
Relationship between mood state and information processing of negative versus positive emotional stimuli in brain-damaged patients. Chavoix C, et al. **Psychopathology** 1987;20(1):34–41
Alexithymia and handedness. A pilot study. Rodenhauser P, et al. **Psychother Psychosom** 1986;45(4):169–73
RT to tactile stimuli presented ipsi- and contralaterally to the responding hand. Peters M. **Q J Exp Psychol [A]** 1983 May;35 Pt 2:397–410
Handedness and dermatoglyphic directional and fluctuating asymmetry. Kobyliansky E, et al. **Z Morphol Anthropol** 1986;76(3):313–29
[Incidence of handedness in preschool children. A comparative study with mono- and dizygotic twins] Liebing M. **Arztl Jugendkd** 1986 Oct;77(5):319–23 (Eng. Abstr.) (Ger)
[Assessment of handedness using finger spreading] Lemke S, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Mar;

39(3):139–44 (Eng. Abstr.) (Ger)
[Effect of spatial compatibility. A tachistoscopic study on the recognition of pictures representing the right and left hand in normal subjects] Angelini R, et al. **Boll Soc Ital Biol Sper** 1986 Jul 30;62(7):915–22 (Eng. Abstr.) (Ita)
[Right–left discrimination: tachistoscopic study on the recognition of pictures representing the right and left hand in normal subjects] Orsini A, et al. **Boll Soc Ital Biol Sper** 1986 Jul 30;62(7):907–14 (Eng. Abstr.) (Ita)
[Changes in "same–different" strategy in left or right brain damage] Zavaroni G, et al. **Boll Soc Ital Biol Sper** 1986 Sep 30;62(9):1157–63 (Eng. Abstr.) (Ita)
[Interaction between schooling and physiognomic recognition: neuropsychological study in a group of patients with unilateral brain lesions] Bino G, et al. **Riv Patol Nerv Ment** 1984 Mar–Apr;105(2):95–103 (Eng. Abstr.) (Ita)
[Crossed aphasia: considerations on a clinical case] Colombo A, et al. **Riv Patol Nerv Ment** 1984 Mar–Apr;105(2):67–73 (Eng. Abstr.) (Ita)
[Effects of body positions during the neonatal period on later postural and functional lateralities of pre–term infants] Konishi Y, et al. **No To Hattatsu** 1987 Jan;19(1):3–8 (Eng. Abstr.) (Jpn)
[Isolation of the postural asymmetry factor following right hemisection of the spinal cord] Klement'ev BI, et al. **Dokl Akad Nauk SSSR** 1986;291(3):737–41 (Rus)
[Differences in opioid binding in the left and right visual cortex of the turtle] Kobylianskii AG, et al. **Dokl Akad Nauk SSSR** 1986;291(2):479–83 (Rus)
[Asymmetry of movement direction of Myrmica rubra ants during maze learning motivated by food] Udalova GP, et al. **Zh Vysh Nerv Deiat** 1986 Jul–Aug;36(4):707–14 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Sex differences and reversal of brain asymmetry by testosterone in chickens. Zappia JV, et al. **Behav Brain Res** 1987 Mar;23(3):261–7
Association between the behavioral and neurochemical effects of amphetamine: hemispheric asymmetry study. Lee EH, et al. **Life Sci** 1987 Apr 6;40(14):1431–7
Concentration–dependent suppression by beta–adrenergic antagonists of the shift in ocular dominance following monocular deprivation in kitten visual cortex. Shirokawa T, et al. **Neuroscience** 1986 Aug;18(4):1035–46

PHYSIOLOGY

Cerebral lateralization in depression [letter] Starkstein SE, et al. **Am J Psychiatry** 1986 Dec;143(12):1631–2
False lateralization by surface EEG of seizure onset in patients with temporal lobe epilepsy and gross focal cerebral lesions. Sammaritano M, et al. **Ann Neurol** 1987 Apr;21(4):361–9
Evoked potential correlates of right hemisphere involvement in language recovery following stroke. Papanicolaou AC, et al. **Arch Neurol** 1987 May;44(5):521–4
Left–handedness and immune disorders in familial dyslexics. Pennington BF, et al. **Arch Neurol** 1987 Jun;44(6):634–9
Sensory aprosodia with left hemiparesis from subcortical infarction. Right hemisphere analogue of sensory–type aphasia with right hemiparesis? Wolfe GI, et al. **Arch Neurol** 1987 Jun;44(6):668–71
Handedness in children with systemic lupus erythematosus [letter] **Arthritis Rheum** 1987 Mar;30(3):355–6
Environmental enrichment and recovery from contralateral sensory neglect in rats with large unilateral neocortical lesions. Rose FD, et al. **Behav Brain Res** 1987 Jun; 24(3):195–202
Zinc–induced peripheral anosmia and behavioral responses to novelty in mice: a quantitative–genetic analysis. Crusio WE, et al. **Behav Neural Biol** 1987 Jul;48(1):63–82
Paradoxic sleep facilitation by interictal epileptic activity of right temporal origin. Hodoba D. **Biol Psychiatry** 1986 Nov;21(13):1267–78
Event–related potentials as asymmetry indices of lateralized cognitive processes during music and verbal tasks. De Pascalis V, et al. **Biol Psychol** 1987 Apr;24(2):141–51
Sex differences in latencies of bilateral electrodermal responses. Miossec Y, et al. **Biol Psychol** 1986 Oct; 23(2):115–25
The effects of lateralized frontal lesions on mood regulation. Grafman J, et al. **Brain** 1986 Dec;109 (Pt 6):1127–48
Pure word deafness following bilateral lesions. A psychophysical analysis. Tanaka Y, et al. **Brain** 1987 Apr; 110 (Pt 2):381–403
Comprehension of humorous and nonhumorous materials by left and right brain–damaged patients. Bihrle AM, et al. **Brain Cogn** 1986 Oct;5(4):399–411
The laterality of dreaming. Greenberg MS, et al. **Brain Cogn** 1986 Jul;5(3):307–21 (47 ref.)
Visual laterality and the acuity gradient: potential artifacts and control procedures. Hellige JB. **Brain Cogn** 1986 Jul; 5(3):369–76
Dual task performance in children: generalized and lateralized effects of memory encoding upon the rate and variability of concurrent finger tapping. Hiscock M, et al. **Brain Cogn** 1987 Jan;6(1):24–40
Words and hemifields: do the hemispheres enjoy equal opportunity? Kirsner K, et al. **Brain Cogn** 1986 Jul; 5(3):354–61
Evidence that fixation digits can contribute to visual field asymmetries in lateralized tachistoscopic tasks. McKeever WF, et al. **Brain Cogn** 1986 Oct;5(4):443–51
Behavioral or hemispheric asymmetry: is there a default option? Schwartz S, et al. **Brain Cogn** 1986 Jul;5(3):377–84
Hemispheric lateralization of functions related to emotion. Silberman EK, et al. **Brain Cogn** 1986 Jul;5(3):322–53 (155 ref.)
Echoic memory and language perception. Ardila A, et al. **Brain Lang** 1986 Sep;29(1):134–40
Brain functional asymmetry and neural organization of linguistic competence. Chernigovskaya TV, et al. **Brain Lang** 1986 Sep;29(1):141–53
What constitutes a primary disturbance of speech prosody?: A reply to Shapiro and Danly. Ryalls J. **Brain Lang** 1986 Sep;29(1):183–7
Effects of unilateral decortication on beta–adrenergic receptors in the remaining cortex and in the hypothalamus of female rats. Bedran de Castro JC, et al. **Brain Res** 1986 Oct 1;384(1):11–6
Rotational movement (circling) in normal humans: sex difference and relationship to hand, foot and eye preference. Bracha HS, et al. **Brain Res** 1987 May 19; 411(2):231–5
The effects of neonatal monocular enucleation on the organization of ipsilateral and contralateral retinothalamic projections in the rabbit. Grigonis AM, et al. **Brain Res** 1986 Sep;394(1):9–19
Lateralization reversal after intertectal commissurotomy in the pigeon. Güntürkün O, et al. **Brain Res** 1987 Apr 7; 408(1–2):1–5
Human spike potentials prior to saccades and optokinetic nystagmus fast phases: effects of instructions, eye movement direction and electrode laterality. Ignocheck A, et al. **Brain Res** 1986 Oct 1;384(1):94–100
[3H]muscimol binding of GABA receptors in the visual cortex of normal and monocularly deprived cats. Mower GD, et al. **Brain Res** 1986 Aug 20;380(2):253–60
Asymmetries of brain dopamine metabolism related to conditioned paw usage in the rat. Schwarting R, et al. **Brain Res** 1987 Aug 4;417(1):75–84
Differences between fingers and hands in tapping ability: dissociation between speed and regularity. McManus IC, et al. **Cortex** 1986 Sep;22(3):461–73
Hand, foot, eye and ear preferences and performance on a dichotic listening test. Strauss E. **Cortex** 1986 Sep; 22(3):475–82
Spontaneous hand usage and handedness in a troop of baboons. Vauclair J, et al. **Cortex** 1987 Jun;23(2):265–74
Left–handedness and learning. Gordon N. **Dev Med Child Neurol** 1986 Oct;28(5):656–61
Asymmetrical head–turning of preterm infants: some effects on later postural and functional lateralities. Konishi Y, et al. **Dev Med Child Neurol** 1986 Aug;28(4):450–7
The threshold–of–interference test: a new test of interhemispheric suppression in brain injury. Bergman M, et al. **Ear Hear** 1987 Jun;8(3):147–50
Interhemispheric interactions in seizures of focal onset: data from human intracranial recordings. Gotman J. **Electroencephalogr Clin Neurophysiol** 1987 Aug; 67(2):120–33
Inter–hemispheric propagation of human mesial temporal lobe seizures: a coherence/phase analysis. Lieb JP, et al. **Electroencephalogr Clin Neurophysiol** 1987 Aug; 67(2):101–19
Convergent evoked potential and cerebral blood flow evidence of task–specific hemispheric differences. Papanicolaou AC, et al. **Electroencephalogr Clin Neurophysiol** 1987 Jun; 66(6):515–20
ERPs associated with language and hemispheric specialization. A review. Rugg M, et al. **Electroencephalogr Clin Neurophysiol [Suppl]** 1986; 38:273–300 (83 ref.)
Interictal psychopathology in temporal lobe epilepsy. The role of laterality of the epileptic focus. Gainotti G, et al. **Funct Neurol** 1986 Jul–Sep;1(3):225–33
Study of brain capillary neuronal regulation as a tool to investigate cerebral asymmetries. Magnoni MS, et al. **Funct Neurol** 1986 Apr–Jun;1(2):105–11 (36 ref.)
Changes in interhemispheric functional balance in epileptic and migraine patients. Mazzucchi A, et al. **Funct Neurol** 1986 Oct–Dec;1(4):375–8
Effects of electrical stimulation of medial olivocochlear neurons on ipsilateral and contralateral cochlear responses. Gifford ML, et al. **Hear Res** 1987;29(2–3):179–94
Handedness, footedness and finger and toe movement–related cerebral potentials. Boschert J, et al. **Hum Neurobiol** 1986; 5(4):235–43
Do event–related potentials (ERPs) reflect right hemisphere's processing of semantics? Rothenberger A, et al. **Int J Neurosci** 1987 Mar;33(1–2):93–101
Modulation of spinal motor asymmetry by neuroleptic medication of schizophrenia patients. Tan U, et al. **Int J Neurosci** 1986 Sep;30(3):165–72
Extension of a binaural cross–correlation model by contralateral inhibition. II. The law of the first wave front. Lindemann W. **J Acoust Soc Am** 1986 Dec;80(6):1623–30
Extension of a binaural cross–correlation model by contralateral inhibition. I. Simulation of lateralization for stationary signals. Lindemann W. **J Acoust Soc Am** 1986 Dec;80(6):1608–22
Effects of anterior temporal lobectomy on cognitive function. Ivnik RJ, et al. **J Clin Psychol** 1987 Jan;43(1):128–37
Perceptual feature sorting of brain–injured patients: left versus right hemisphere preferences. Garcia JM, et al. **J Commun Disord** 1986 Oct;19(5):395–404
Morphology of retinogeniculate X and Y axon arbors in monocularly enucleated cats. Garraghty PE, et al. **J Comp Neurol** 1986 Sep 8;251(2):198–215
Consistency of intermanual discrepancies in normal and unilateral brain lesion patients. Bornstein RA. **J Consult Clin Psychol** 1986 Oct;54(5):719–23
Detection threshold for percutaneous electrical stimuli: asymmetry with respect to handedness. Friedli WG, et al. **J Neurol Neurosurg Psychiatry** 1987 Jul;50(7):870–6
Laterality of pain in migraine distinguished by interictal rates of habituation of electrodermal responses to visual and auditory stimuli. Gruzelier JH, et al. **J Neurol Neurosurg Psychiatry** 1987 Apr;50(4):416–22
Lateralisation of memory functions in epileptic patients by use of the sodium amytal (Wada) technique. Powell GE, et al. **J Neurol Neurosurg Psychiatry** 1987 Jun;50(6):665–72
Effect of unilateral and bilateral auditory cortex lesions on the discrimination of vocalizations by Japanese macaques. Hefner HE, et al. **J Neurophysiol** 1986 Sep;56(3):683–701
Topography of binaural organization in primary auditory cortex of the cat: effects of changing interaural intensity. Reale RA, et al. **J Neurophysiol** 1986 Sep;56(3):663–82
Reaction times of moderate and severe stutterers to monaural verbal stimuli: some implications for neurolinguistic organization. Rastatter MP, et al. **J Speech Hear Res** 1987 Mar;30(1):21–7
Reaction times of aging subjects to monaural verbal stimuli: some evidence for a reduction in right–hemisphere linguistic processing capacity. Rastatter MP, et al. **J Speech Hear Res** 1987 Jun;30(2):261–7
Hormones and handedness: left–hand bias in female congenital adrenal hyperplasia patients. Nass R, et al. **Neurology** 1987 Apr;37(4):711–5
The influence of gender, handedness and head–turn on auditory asymmetries. Dawe S, et al. **Neuropsychologia** 1986;24(6):857–62
The laterality of mental image generation: a test with normal subjects. Farah MJ. **Neuropsychologia** 1986;24(4):541–51
Cerebral lateralization and handedness and their effects on verbal and spatial reasoning. Sheehan EP, et al. **Neuropsychologia** 1986;24(4):531–40
Face touching in primates: a closer look. Suarez SD, et al. **Neuropsychologia** 1986;24(4):597–600
EMG–reaction time of the biceps brachii in bilateral simultaneous motions. Kasai T, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):455–60
Figure–background perception in right and left hemispheres of human commissurotomy subjects. Cronin–Golomb A. **Perception** 1986;15(2):95–109
Hemispheric asymmetries in the visual evoked potentials to temporal frequency: preliminary evidence. Rebai M, et al. **Perception** 1986;15(5):589–94
Tactile recognition of laterally inverted mirror images by children: intermanual transfer and rotation of the palm. Römer G, et al. **Perception** 1986;15(3):303–12
Hemispheric lateralization of emotions: absence of electrophysiological arguments. Collet L, et al. **Physiol Behav** 1987;40(2):215–20
Left hemispheric overactivation in schizophrenia: relationship to clockwise circling. Marder LR, et al. **Psychiatry Res** 1987 Mar;20(3):215–20
ERPs to laterally presented pictures and words in a semantic categorization task. Kok A, et al. **Psychophysiology** 1986 Nov;23(6):672–83
Induction of lateralized sympathetic input to the heart by the CNS during emotional arousal: a possible neurophysiologic trigger of sudden cardiac death. Lane RD, et al. **Psychosom Med** 1987 May–Jun;49(3):274–84
Emotions and personality in complex partial seizures. Perini GI. **Psychother Psychosom** 1986;45(3):141–8
Hemispheric competence and perceptual confusability. Sergent J. **Q J Exp Psychol [A]** 1983 Nov;35 Pt 4:589–96
Should the tradition of right cerebral hemisphere shunting still prevail? Grant DW, et al. **Z Kinderchir** 1986 Dec;41 Suppl 1:48–50
[Disorders of autonomic responses to emotional stimuli in patients with unilateral hemispherical lesions] Zoccolotti P, et al. **Encephale** 1986 Sep–Oct;12(5):263–8 (Eng. Abstr.) (Fre)
[Peptidergic asymmetry of the rat spinal cord] Kryzhanovskii GN, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):528–30 (Eng. Abstr.) (Rus)
[Ontogenesis of the asymmetry of transcallosal responses in the cat parietal cortex] Bianki VL, et al. **Zh Evol Biokhim Fiziol** 1987 May–Jun;23(3):329–37 (Eng. Abstr.) (Rus)
[Motor asymmetry of the forelimbs of the rat] Mikliaeva EI, et al. **Zh Vyssh Nerv Deiat** 1987 Mar–Apr;37(2):254–64 (Eng. Abstr.) (Rus)

LATEX

Toxic catheters and diminished urethral blood circulation in the induction of urethral strictures. Talja M, et al. **Eur Urol** 1986;12(5):340–5

Mechanically strong films produced from cellulose acetate latexes. Bindschaedler C, et al. **J Pharm Pharmacol** 1987 May;39(5):335–8

Osmotic water transport through cellulose acetate membranes produced from a latex system. Bindschaedler C, et al. **J Pharm Sci** 1987 Jun;76(6):455–60

Latex of "coroa de cristo" (Euphorbia splendens): an effective molluscicide. de Vasconcellos MC, et al. **Mem Inst Oswaldo Cruz** 1986 Oct–Dec;81(4):475–6

Sedimentation volume, redispersibility and appearance of a polystyrene latex suspension in the presence of nonionic surface active agents. Law SL. **Proc Natl Sci Counc Repub China [B]** 1986 Jul;10(3):203–6

[Method of microscopic count of microorganisms using latex particles] Lusta KA, et al. **Lab Delo** 1986;(10):630–2 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Dangers from dissolution of latex in Celestin endo-oesophageal tube. Hussain SA, et al. **Br Med J** 1987 Feb 14;294(6569):412–3

Contact urticaria and rhinitis from latex surgical gloves. Carrillo T, et al. **Contact Dermatitis** 1986 Aug;15(2):69–72

ANALYSIS

Histochemical techniques to localize rubber in guayule (Parthenium argentatum Gray). Jayabalan M, et al. **Stain Technol** 1986 Sep;61(5):303–8

METABOLISM

[Use of latex balls labelled by lectins in the demonstration of Salmonella–Schistosoma mansoni receptor sites] Miegeville M, et al. **C R Acad Sci [III]** 1987;305(7):255–8 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Preclinical and clinical studies with latex from Ficus glabrata HBK, a traditional intestinal anthelminthic in the Amazonian area. Hansson A, et al. **J Ethnopharmacol** 1986 Aug;17(2):105–38

LATEX AGGLUTINATION TESTS see **LATEX FIXATION TESTS**

LATEX FIXATION TESTS

Sensitivity of various serologic tests for RMSF [letter] Hechemy KE. **Am J Trop Med Hyg** 1987 Jul;37(1):205–6

Myoglobin latex agglutination test [letter] Ducobu J, et al. **Ann Emerg Med** 1987 Sep;16(9):1099

Immunoassay of Brucella lipopolysaccharide-derived antigen in plasma: a new method of diagnosis. Limet JN. **Ann Inst Pasteur Microbiol** 1987 Jan–Feb;138(1):126–30

Early detection of streptococcal group antigens in skin samples by latex particle agglutination. Bernard P, et al. **Arch Dermatol** 1987 Apr;123(4):468–70

Detection of microalbuminuria in diabetic patients using a simple latex agglutination test. Spooner RJ, et al. **Clin Chim Acta** 1987 Jul 15;166(2–3):247–53

Comparative evaluation of PathoDx Strep A test and culture for the detection of group A streptococci in pharyngeal specimens. Granato PA, et al. **Diagn Microbiol Infect Dis** 1986 Nov;5(4):293–8

Evaluation of latex agglutination inhibition reaction test for urinary methamphetamine. Miyazaki T, et al. **Hiroshima J Med Sci** 1986 Dec;35(4):289–91

Comparison of latex agglutination inhibition test & bioassays for rapid estimation of serum gentamicin levels. Ambro J, et al. **Indian J Med Res** 1986 Dec;84:645–9

Effect of medium and cultivation conditions on comparisons between latex agglutination and culture detection of group A streptococci. Graham L Jr, et al. **J Clin Microbiol** 1986 Oct;24(4):644–6

Novel color test for rapid detection of group A streptococci. Hadfield SG, et al. **J Clin Microbiol** 1987 Jul;25(7):1151–4

Detection of group D salmonellae in blood culture broth and of soluble antigen by tube agglutination using an O-9 monoclonal antibody latex conjugate. Lim PL, et al. **J Clin Microbiol** 1987 Jul;25(7):1165–8

Latex agglutination test for rubella antibodies: report based on data from the College of American Pathologists surveys, 1983 to 1985. Skendzel LP, et al. **J Clin Microbiol** 1986 Sep;24(3):333–5

Identification of group B streptococcal antigen with lectin–bound polystyrene particles. Slifkin M, et al. **J Clin Microbiol** 1987 Jul;25(7):1172–5

Modified latex agglutination test for anticytomegalovirus, suitable for pretransfusion screening. Barbara JA, et al. **J Clin Pathol** 1987 Jan;40(1):115–6

Rapid diagnosis of streptococcal pharyngitis in adult emergency room patients. Centor RM, et al. **J Gen Intern Med** 1986 Jul–Aug;1(4):248–51

New method for serological typing of Vibrio cholerae 1:0 using a monoclonal antibody–sensitized latex agglutination test. Sugiyama J, et al. **Microbiol Immunol** 1987; 31(4):387–91

Application of the Directigen Group B Strep–test kit to the rapid identification of group B Streptococcus strains. Martini A, et al. **Nuovi Ann Ig Microbiol** 1985 May–Jun; 36(3):219–22

Clinical performance and effect on treatment rates of latex agglutination testing for streptococcal pharyngitis in an emergency department. Lieu TA, et al. **Pediatr Infect Dis** 1986 Nov–Dec;5(6):655–9

Comparison of three latex agglutination kits and counterimmunoelectrophoresis for the detection of bacterial antigens in a pediatric population. Ballard TL, et al. **Pediatr Infect Dis J** 1987 Jul;6(7):630–4

Evaluation of a commercially available latex agglutination test for rapid diagnosis of group B streptococcal infection. Rabalais GP, et al. **Pediatr Infect Dis J** 1987 Feb; 6(2):177–81

Reliability of the latex agglutination test for group A Streptococcus [letter] Schwartz RH. **Pediatr Infect Dis J** 1987 Jun;6(6):580–1

Three latex agglutination tests compared with gram staining for the detection of bacteria in cerebrospinal fluid. Coovadia YM, et al. **S Afr Med J** 1987 Apr 4;71(7):442–4

Sensitivity and specificity of a latex agglutination test for detection of cryptococcal antigen in meningitis. Coovadia YM, et al. **S Afr Med J** 1987 Apr 18;71(8):510–2

[Detection of calf rotavirus in the Rotascreen latex test and electron microscopy—a comparative study] Herbst W, et al. **DTW** 1986 Jul 23;93(7):317–9 (Eng. Abstr.) **(Ger)**

[Identification of group B streptococcal infection by the latex test] Luz O, et al. **Padiatr Padol** 1987;22(1):19–23 (Eng. Abstr.) **(Ger)**

[Rapid antigen tests for the diagnosis of group A streptococci in practice] Gnehm HE, et al. **Schweiz Rundsch Med Prax** 1987 Feb 17;76(8):188–91 (Eng. Abstr.) **(Ger)**

[Latex fixation test] Bozděch V, et al. **Z Med Lab Diagn** 1986;27(5):252–6 (Eng. Abstr.) **(Ger)**

[Monitoring of follicle development with urinary estrogen determination by latex slide test] Aono T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul;39(7):1153–7 **(Jpn)**

[Latex–agglutination immunoassay] Sakurabayashi I. **Rinsho Byori** 1986 Aug;34(8):887–92 **(Jpn)**

METHODS

Outpatient evaluation of a rapid, direct test for detection of group A streptococci in throat swabs. Kelly MT, et al. **Am J Clin Pathol** 1987 Apr;87(4):522–5

Utility of a rapid latex test for the detection of Clostridium difficile in fecal specimens. Ryan RW, et al. **Ann Clin Lab Sci** 1987 Jul–Aug;17(4):232–5

A simple latex agglutination test for urinary albumin screening. Paoli C, et al. **Clin Chim Acta** 1987 Jun 30; 166(1):67–71

Use of slide latex agglutination test for rapid diagnosis of vaginal candidosis. Rajakumar R, et al. **Genitourin Med** 1987 Jun;63(3):192–5

A novel coloured latex test for the detection and identification of more than one antigen. Hadfield SG, et al. **J Immunol Methods** 1987 Mar 12;97(2):153–8

A new latex agglutination test for rapid diagnosis of group A streptococci. Fujikawa S, et al. **Jpn Circ J** 1986 Dec; 50(12):1251–2

Evaluation of a semiquantitative C-reactive protein latex slide test as compared to quantitative turbidimetric measurement in hospital laboratory practice. Pulkki K, et al. **Scand J Clin Lab Invest** 1986 Oct;46(6):605–7

[The rapid myoglobin latex agglutination test in acute heart infarct] Endert E, et al. **Ned Tijdschr Geneeskd** 1987 Jul 25;131(30):1309–11 (Eng. Abstr.) **(Dut)**

[Latex agglutination nephelometric immunoassay for microalbuminuria] Sugimoto H, et al. **Rinsho Byori** 1987 Jan;35(1):73–9 **(Jpn)**

[Detection of Clostridium difficile toxin by latex agglutination reaction] Ueno K, et al. **Rinsho Byori** 1987 May;35(5):520–4 **(Jpn)**

[A simple method for detection of rotaviruses in feces] Myrmel H. **Tidsskr Nor Laegeforen** 1986 Sep 20; 106(26):2167–8 (Eng. Abstr.) **(Nor)**

STANDARDS

A comparison of two passive agglutination procedures with enzyme–linked immunosorbent assay for rubella antibody status. Pruneda RC, et al. **Am J Clin Pathol** 1986 Dec; 86(6):768–70

Comparison of two rapid latex agglutination methods for detection of group A streptococcal pharyngitis. Reichwein B, et al. **Am J Clin Pathol** 1986 Oct;86(4):529–32

Evaluation of a commercial latex agglutination test for detecting antibodies to cytomegalovirus in organ donors and transplant recipients. Gray JJ, et al. **J Virol Methods** 1987 May;16(1–2):13–9

LATEX RUBBER see **RUBBER**

LATHYRISM

see related
AMINOPROPIONITRILE

CHEMICALLY INDUCED

The variation of sonic plesio-velocity in dose dependent lathyritic rabbit femurs. Lees S, et al. **Ultrasound Med Biol** 1987 Jan;13(1):19–24

DRUG THERAPY

Lathyrism: mini-review and a comment on the lack of effect of protease inhibitors on osteolathyrism. Yeager VL, et al. **J Exp Pathol** 1985 Spring;2(1):1–11

ETIOLOGY

Lathyrism [letter] Mannan MA, et al. **Lancet** 1987 Jan 17; 1(8525):167

METABOLISM

[Effect of lathyrogen on the collagen in Guerin epithelioma] Jarocka E, et al. **Patol Pol** 1986 Jan–Mar;37(1):68–73 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Periosteal stimulation by artificial tension. Yeager VL. **J Exp Pathol** 1985 Spring;2(1):37–40

PHYSIOPATHOLOGY

Studies on the aetiology and pathogenesis of motor neuron diseases. 1. Lathyrism: clinical findings in established cases. Ludolph AC, et al. **Brain** 1987 Feb;110 (Pt 1):149–65

Quantitative triple fluorochrome labeling study of lathyritic-rat mandible. Soni NN, et al. **Growth** 1986 Winter;50(4):537–46

Lathyrism: evidence for role of the neuroexcitatory aminoacid BOAA. Spencer PS, et al. **Lancet** 1986 Nov 8;2(8515):1066–7

VETERINARY

A biophysical and histological analysis of factors that lead to aortic rupture in normal and lathyritic turkeys. Terpin T, et al. **Can J Physiol Pharmacol** 1987 Mar;65(3):395–400

LATHYRUS see **LEGUMES**

LATICES see **LATEX**

LATRINES see **TOILET FACILITIES**

LATS see **LONG-ACTING THYROID STIMULATOR**

LATS RECEPTORS see **RECEPTORS, THYROID HORMONE**

LAUDACON see **DIHYDROMORPHINONE**

LAUGHTER

A peculiar changes of the plethysmogram following the human laughing act. Sumitsuji N, et al. **Electromyogr Clin Neurophysiol** 1986 Jun–Jul;26(4):263–72

Smoking, coughing, laughing and applause: a comparative study of respiratory symbolism. Grotjahn M. **Int J Psychoanal** 1972;53 (Pt 3):345–9

Effects of laughter and relaxation on discomfort thresholds. Cogan R, et al. **J Behav Med** 1987 Apr;10(2):139–44

[Pathological laughter and weeping: treatment with amitriptyline (editorial)] Braham J. **Harefuah** 1986 Dec 1; 111(11):399–400 **(Heb)**

LAUNDERING

Wringer washing machine injuries: criteria for obtaining radiological studies. Weinshel S, et al. **J Trauma** 1986 Dec; 26(12):1132–3

[Use of subjective symptom measurements in evaluating the health effects of exposure of workers to neurotoxic compounds] Dudek B, et al. **Med Pr** 1987;38(2):102–7 (Eng. Abstr.) **(Pol)**

[Evaluation of occupational exposure to tetrachloroethylene (PER) in a dry cleaning business] Wróblewska K, et al. **Med Pr** 1987;38(2):96–101 (Eng. Abstr.) **(Pol)**

[Plasma indicators of iron metabolism in persons occupationally exposed to organic solvents with normal and increased levels of protoporphyrin IX in erythrocytes] Stankiewicz A, et al. **Pol Tyg Lek** 1986 Jul 7;41(27):851–4 (Eng. Abstr.) **(Pol)**

STANDARDS

Effect of water temperature on bacterial killing in laundry. Smith JA, et al. **Infect Control** 1987 May;8(5):204–9

LAUNDRY SERVICE, HOSPITAL

see related
BEDDING AND LINENS

Monitoring of radioactive "dirty linen" after iodine-131 therapy [letter] Marcus CS, et al. **J Nucl Med** 1987 Jun; 28(6):1064

STANDARDS

Effect of water temperature on bacterial killing in laundry. Smith JA, et al. **Infect Control** 1987 May;8(5):204–9

LAURATES see under **LAURIC ACIDS**

LAURENCE-MOON-BIEDL SYNDROME

COMPLICATIONS

[Skull abnormalities in a patient with Laurence–Moon–Biedl–Bardet syndrome] Brinkmann G, et al. **ROFO** 1986 Dec;145(6):726–8 **(Ger)**

PATHOLOGY

Histopathology of mitochondrial cytopathy and the Laurence–Moon–Biedl syndrome. Runge P, et al. **Br J Ophthalmol** 1986 Oct;70(10):782–96

The pituitary gland in the Laurence–Moon syndrome. Whitaker MD, et al. **Mayo Clin Proc** 1987 Mar;62(3):216–22

Retinal and neurologic findings in the Laurence–Moon–Bardet–Biedl phenotype. Rizzo JF 3d, et al. **Ophthalmology** 1986 Nov;93(11):1452–6

LAURIC ACIDS

ISOLATION & PURIFICATION

Extraction of omega- and omega-1-hydroxylauric acids with ethyl acetate results in formation of acetoxy products. Salhab AS, et al. **Drug Metab Dispos** 1987 Mar–Apr; 15(2):233–6

METABOLISM

Effect of hypolipidemic drugs on the metabolism of lauric acid and dimethylaminoazobenzene by rat liver microsomes. Raza H, et al. **Biochem Pharmacol** 1987 Mar 1;36(5):774–8

Identification of the high-affinity lipid binding site in Escherichia coli pyruvate oxidase. Hamilton SE, et al. **Biochemistry** 1986 Dec 16;25(25):8178–83

Use of the fluorescence activated cell sorter for studying uptake of fluorescent fatty acids into cultured cells. Nahas N, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):86–91

The effect of high-fat diets on microsomal lauric acid hydroxylation in rat liver. Nilsson A, et al. **Biochim Biophys Acta** 1986 Nov 14;879(2):209–14

Photosensitization to ultraviolet irradiation and selective killing of cells following uptake of pyrene-containing fatty acid. Fibach E, et al. **J Cell Sci** 1986 Sep;85:149–59

PHARMACODYNAMICS

Effect of exogenous long-chain fatty acids on individual fa.ty acid synthesis by dispersed ruminant mammary gland cells. Hansen HO, et al. **J Dairy Sci** 1987 Jul;70(7):1350–4

POISONING

Contact allergy to cocamide DEA and lauramide DEA in shampoos. de Groot AC, et al. **Contact Dermatitis** 1987 Feb;16(2):117–8

LAURYL ALCOHOL see under **FATTY ALCOHOLS**

LAV-HTLV-III see **HTLV-III**

LAVAGE see **IRRIGATION**

LAVAGE, GASTRIC see **GASTRIC LAVAGE**

LAXATIVES see **CATHARTICS**

LAXITY, JOINT see **JOINT INSTABILITY**

LD ANTIGENS see **HISTOCOMPATIBILITY ANTIGENS**

LD ANTIGENS, HUMAN see **HLA ANTIGENS**

LD50 see **LETHAL DOSE 50**

LDL CHOLESTEROL see **LIPOPROTEINS, LDL CHOLESTEROL**

LDL RECEPTORS see **RECEPTORS, LDL**

LE CELLS

see related

ANTINUCLEAR FACTORS

[Should we still do research on the LE cell? (editorial)] Kahn MF. **Rev Med Interne** 1987 Mar–Apr;8(2):149–51 **(Fre)**

LEAD

Heavy metal pollution of the mid-canal of Kandy: an environmental case study from Sri Lanka. Dissanayake CB, et al. **Environ Res** 1987 Feb;42(1):24–35

Comment on 'An epidemiological analysis of the relationship between exposure to Rn progeny, smoking and bronchogenic carcinoma' [letter] Watson JE Jr. **Health Phys** 1987 Apr;52(4):497

Polymorphism of delta-aminolevulinic acid dehydratase in lead-exposed workers. Ziemsen B, et al. **Int Arch Occup Environ Health** 1986;58(3):245–7

A stable lead by modification of Sato's method. Hanaichi T, et al. **J Electron Microsc (Tokyo)** 1986;35(3):304–6

Factors controlling the Pb(II) promoted dephosphorylation of nucleotides. Butzow JJ, et al. **J Inorg Biochem** 1986 Sep;28(1):21–31

Solubilization by nitrilotriacetic acid (NTA) of genetically active Cr(VI) and Pb(II) from insoluble metal compounds. Montaldi A, et al. **J Toxicol Environ Health** 1987; 21(3):387–94

Clinical application of extracorporeal shock wave lithotripsy using microexplosions. Kuwahara M, et al. **J Urol** 1987 May;137(5):837–40

The effect of lead attenuators on dose in homogeneous phantoms. el-Khatib EE, et al. **Med Phys** 1986 Nov–Dec; 13(6):928–35

Cooperative program develops engineering controls for lead industry. Burton DJ. **Occup Health Saf** 1986 Sep;55(9):48–9

[Relationship between coproporphyrin I and III excreted in the urine of lead workers] Tomokuni K, et al. **Sangyo Igaku** 1986 May;28(3):206–7 **(Jpn)**

[Migration of lead from polyvinyl chloride materials used for water supply] Kataeva SE. **Gig Sanit** 1987 May;(5):12–4 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Long-term behavioral and electrophysiological changes associated with lead exposure at different stages of brain development in the rat. Burdette LJ, et al. **Brain Res** 1986 Sep;394(1):101–10

Carotid sinus reflexes in rats given small doses of lead. Skoczyńska A, et al. **Toxicology** 1987 Feb;43(2):161–71

ADVERSE EFFECTS

Psychological performance in relation to central and peripheral nerve conduction in workers exposed to lead, zinc, and copper [letter] Bleecker ML. **Am J Ind Med** 1987; 11(2):243–6

Occupational exposure to lead and blood pressure: a study in 105 workers. de Kort WL, et al. **Am J Ind Med** 1987; 11(2):145–56

Lung cancer risk from indoor exposures to radon daughters. **Ann ICRP** 1987;17(1):1–60

Sperm count suppression without endocrine dysfunction in lead-exposed men. Assennato G, et al. **Arch Environ Health** 1986 Nov–Dec;41(6):387–90

Somatosensory evoked potentials in alcoholics and patients occupationally exposed to solvents and lead. Hazemann P, et al. **Electromyogr Clin Neurophysiol** 1987 Apr–May; 27(3):183–7

High performance liquid chromatographic procedure for quantitative determination of urinary delta-aminolevulinic acid as indices of lead exposure. Ogata M, et al. **Int Arch Occup Environ Health** 1987;59(4):385–91

Lead and child development. Davis JM, et al. **Nature** 1987 Sep 24–30;329(6137):297–300

Gout, renal failure, and lead accumulation [letter] Labeeuw M, et al. **Nephron** 1987;46(2):222

Surma: use and knowledge within the Glasgow Asian community [letter] Bhopal RS. **Public Health** 1986 Sep; 100(5):325

Lead exposure during demolition of a steel structure coated with lead-based paints. II. Reversible changes in the conduction velocity of the motor nerves in transiently exposed workers. Muijser H, et al. **Scand J Work Environ Health** 1987 Feb;13(1):56–61

[Determination of the mean length-of-service and mean daily exposure to lead of workers in battery manufacture] Stamova N, et al. **Probl Khig** 1986;11:102–5 (Eng. Abstr.) **(Bul)**

[Health examinations of persons with long-term occupational exposure to lead] Kirkby H, et al. **Ugeskr Laeger** 1987 Mar 30;149(14):942–5 (Eng. Abstr.) **(Dan)**

[Changes of hemoglobin A1 and A1c in workers exposed to lead] Fukumoto K, et al. **Sangyo Igaku** 1986 Mar; 28(2):126–7 **(Jpn)**

[Cause-effect relations between lead levels in biomedia and various indicators of its biological effect in preschool children] Kuntsevich IE, et al. **Gig Sanit** 1986 Aug;(8):35–7 (Eng. Abstr.) **(Rus)**

ANALYSIS

Development and application of a "real time" lead-in-air analyzer in controlling lead exposure at a primary lead smelter. Smith WJ, et al. **Am Ind Hyg Assoc J** 1986 Dec; 47(12):779–84

Lead and cadmium concentrations in maternal and umbilical cord blood, amniotic fluid, placenta, and amniotic membranes. Korpela H, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1086–9

Kinetic method for the determination of nanogram amounts of lead(II) using its catalytic effect on the reaction of manganese(II) with 5,10,15,20-tetrakis(4-sulphonatophenyl)porphine. Tabata M. **Analyst** 1987 Feb;112(2):141–4

The effects of sample preparation on measured concentrations of eight elements in edible tissues of fish from streams contaminated by lead mining. Schmitt CJ, et al. **Arch Environ Contam Toxicol** 1987 Mar;16(2):185–207

Decrease of skeletal lead levels in man after end of occupational exposure. Christoffersson JO, et al. **Arch Environ Health** 1986 Sep–Oct;41(5):312–8

Environmental exposure to heavy metals in North Greenland. Hansen JC, et al. **Arctic Med Res** 1986;41:21–34

Cadmium and lead in Lake Ontario salmonids. Cappon CJ. **Bull Environ Contam Toxicol** 1987 Apr;38(4):695–9

Environmental contamination by lead and cadmium in plants from urban area of Madrid, Spain. Hernández LM, et al. **Bull Environ Contam Toxicol** 1987 Feb;38(2):203–8

Pb and Cd levels among Korean populations. Watanabe T, et al. **Bull Environ Contam Toxicol** 1987 Feb;38(2):189–95

Lead and cadmium contamination levels in edible vegetables. Zurera G, et al. **Bull Environ Contam Toxicol** 1987 May; 38(5):805–12

Dental caries experience in Ceredigion, Wales, in 1973 and 1983 with special reference to environmental lead. Anderson RJ, et al. **Community Dent Health** 1986 Sep; 3(3):193–7

Dietary intakes of lead, cadmium, arsenic and fluoride by Canadian adults: a 24-hour duplicate diet study. Dabeka RW, et al. **Food Addit Contam** 1987 Jan–Mar;4(1):89–101

Intake of heavy metals from foods in Finland, West Germany and Japan. Louekari K, et al. **Food Addit Contam** 1986 Oct–Dec;3(4):355–62

Lead in alcoholic beverages. Sherlock JC, et al. **Food Addit Contam** 1986 Oct–Dec;3(4):347–54

Arsenic, cadmium, lead and mercury in meat, livers and kidneys of cattle slaughtered in The Netherlands during 1980–1985. Vos G, et al. **Food Addit Contam** 1987 Jan–Mar; 4(1):73–88

Survey of lead, cadmium and fluoride in human milk and correlation of levels with environmental and food factors. Dabeka RW, et al. **Food Chem Toxicol** 1986 Sep; 24(9):913–21

Optimizing the gross alpha counting method for determining Rn progeny levels in the atmosphere. Rangarajan C, et al. **Health Phys** 1987 Apr;52(4):469–71

Concentrations of 210Pb and its states of equilibrium with 238U, 234U and 230Th in U miners' lungs. Singh NP, et al. **Health Phys** 1986 Oct;51(4):501–7

An integrating thermoluminescent Rn daughter personal dosimeter. Solomon SB, et al. **Health Phys** 1987 Feb; 52(2):143–8

Some measurements of the equilibrium factor for 222Rn daughters in houses. Toohey RE, et al. **Health Phys** 1987 Jul;53(1):89–91

Assessment and comparison of human exposure to lead between Belgium, Malta, Mexico and Sweden. Claeys-Thoreau F, et al. **Int Arch Occup Environ Health** 1987;59(1):31–41

Determination of lead and cadmium in milk by electrothermal atomic absorption spectrophotometry. Khalid N, et al. **Int J Environ Anal Chem** 1987;28(1–2):133–41

Polarographic determination of lead in drinking water samples of Western U.P. districts with 3-hydroxypyridine-2-thiol. Sindhu RS. **Int J Environ Anal Chem** 1987;28(1–2):87–91

Determination of cadmium, copper, and lead in sodium chloride food salts by flame atomic absorption spectroscopy. Alvarez De Eulate MJ, et al. **J Assoc Off Anal Chem** 1986 Sep–Oct;69(5):871–3

Lead, cadmium, and fluoride levels in market milk and infant formulas in Canada. Dabeka RW, et al. **J Assoc Off Anal Chem** 1987 Jul–Aug;70(4):754–7

Lead, cadmium, zinc and certain other metals in foods on the Swedish market. Jorhem L, et al. **J Environ Pathol Toxicol Oncol** 1986 May–Aug; 6(5–6):195–256 (58 ref.)

Statistical investigations into the measured DALA—discharge in the urine of infants. Diener W, et al. **J Hyg Epidemiol Microbiol Immunol** 1987;31(2):153–61

Lead concentration in deciduous teeth: variation related to tooth type and analytical technique. Grandjean P, et al. **J Toxicol Environ Health** 1986;19(3):437–44

Lead and children's IQ [letter] Pocock SJ, et al. **Lancet** 1987 Jul 18;2(8551):153–4

Tobacco's radiation: its sources and potential hazards. Rahman SM, et al. **Ohio Med** 1987 Feb;83(2):113–6

Comparison of two in vitro methods of bone lead analysis and the implications for in vivo measurements. Somervaille LJ, et al. **Phys Med Biol** 1986 Nov;31(11):1267–74

Lead exposure during demolition of a steel structure coated with lead-based paints. I. Environmental and biological monitoring. Spee T, et al. **Scand J Work Environ Health** 1987 Feb;13(1):52–5

Atmospheric pollution in the Venice area. II. Iron, manganese, lead, vanadium and cadmium in suspended particulate. Bertolaccini MA, et al. **Sci Total Environ** 1986 Dec 1;57:7–17

Lead in human bones. Investigations on an occupationally non-exposed population in southern Bavaria (F.R.G.). I. Adults. Drasch GA, et al. **Sci Total Environ** 1987 Jul; 64(3):303–15

Traffic lead pollution of some edible crops in Israel. Foner HA. **Sci Total Environ** 1987 Jan;59:309–15

Lead fragments in tissues from wild birds: a cause of misleading analytical results. Frank A. **Sci Total Environ** 1986 Oct;54:275–81

The quantities of cadmium, lead, mercury and arsenic entering the U.K. environment from human activities. Hutton M, et al. **Sci Total Environ** 1986 Dec 1;57:129–50

Lead levels in teeth of an urban Indian population. Khandekar RN, et al. **Sci Total Environ** 1986 Dec 31; 58(3):231–6

Lead, mercury, cadmium and selenium in two species of gull feeding on inland dumps, and in marine areas. Leonzio C,

et al. **Sci Total Environ** 1986 Dec 1;57:121–7

Lead in ancient human bones and its relevance to historical developments of social problems with lead. Patterson CC, et al. **Sci Total Environ** 1987 Mar;61:167–200 (85 ref.)

Lead pollution from the external redecoration of old buildings. Rundle SA, et al. **Sci Total Environ** 1986 Dec 1;57:181–90

Chelatable lead versus lead in human trabecular and compact bone. Schütz A, et al. **Sci Total Environ** 1987 Mar;61:201–9

The ratio of lead–210 to polonium–210 in U.K. diet. Smith–Briggs JL, et al. **Sci Total Environ** 1986 Oct; 54:127–33

Analysis of lead and cadmium in deciduous teeth by means of potentiometric stripping analysis. Norén JG, et al. **Swed Dent J** 1987;11(1–2):45–52

Arsenic, cadmium, lead and mercury in meat, livers, and kidneys of swine slaughtered in The Netherlands during the period 1980–1985. Vos G, et al. **Z Lebensm Unters Forsch** 1986 Dec;183(6):397–401

[Study of the lead standard in the air] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Nov; 20(6):323–7 (Eng. Abstr.) **(Chi)**

[Determination of lead in plasters and its uses] Yang H. **Chung Yao Tung Pao** 1987 Mar;12(3):29–31 **(Chi)**

[Determination of lead in foods by hydride generation and atomic–absorption spectrometry] Wang GJ, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Jun;17(2):135–8 (Eng. Abstr.) **(Chi)**

[Blood lead and air lead. The lead content of donor blood in Arhus 1977–1986 in relation to the lead content of air measured in Gladsaxe and Tange] Nielsen PA, et al. **Ugeskr Laeger** 1987 May 4;149(19):1286–9 (Eng. Abstr.) **(Dan)**

[Lead in drinking water—studies in various Berlin schools and households] Moriske HJ, et al. **Off Gesundheitswes** 1986 Dec;48(12):643–7 (Eng. Abstr.) **(Ger)**

[Hair as an indicator for the detection of Pb and Cd pollution] Krause C, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1987; 71:101–9 **(Ger)**

[Content of heavy metals in human hair in relation to industrial lead pollution] Späth M, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1987;71:83–9 **(Ger)**

[Reduction of lead content and other elements in wine using pectic acid] Schlemmer U. **Z Lebensm Unters Forsch** 1986 Nov;183(5):339–43 (Eng. Abstr.) **(Ger)**

[Lead and cadmium values in the blood of parturients not exposed ocupationally, in neonatal blood and in maternal milk] Sartorelli E, et al. **Med Lav** 1986 Sep–Oct;77(5):515–8 (Eng. Abstr.) **(Ita)**

[Comparative methods of determining cadmium and lead levels in food] Buliński R, et al. **Rocz Panstw Zakl Hig** 1986;37(5):400–5 (Eng. Abstr.) **(Pol)**

[Concentration of lead and several components of porphyrin metabolism in the blood and urine of persons with no industrial contact with lead] Semenova LS, et al. **Lab Delo** 1987;(2):11–4 (Eng. Abstr.) **(Rus)**

BLOOD

Creatinine and specific gravity adjustment of ALA in urinary spot samples: is there any need? Dell'Orto A, et al. **Am Ind Hyg Assoc J** 1987 May;48(5):A331–2

Re: "The relationship between blood lead levels and blood pressure and its cardiovascular risk implications" [letter] Gartside PS. **Am J Epidemiol** 1986 Nov;124(5):864–7

Blood lead concentrations in rabbits. Gerken DF, et al. **Am J Vet Res** 1986 Dec;47(12):2674–5

Effects of exposure to lead among lead–acid battery factory workers in Sudan [published erratum appears in Arch Environ Health 1986 Sep–Oct;41(5):following 330] Awad el Karim MA, et al. **Arch Environ Health** 1986 Jul–Aug; 41(4):261–5

Relationships between blood lead concentration and aminolevulinic acid dehydratase in alcoholics and workers industrially exposed to lead. Bortoli A, et al. **Arch Environ Health** 1986 Jul–Aug;41(4):251–60

Intrauterine exposure to low levels of lead: the status of the neonate. Ernhart CB, et al. **Arch Environ Health** 1986 Sep–Oct;41(5):287–91

New ceramics–related industry implicated in elevated blood lead levels in children. Kaye WE, et al. **Arch Environ Health** 1987 May–Jun;42(3):161–4

Statistically significant hematopoietic effects of low blood lead levels. Poulos L, et al. **Arch Environ Health** 1986 Nov–Dec;41(6):384–6

Children's blood lead levels in the lead smelting town of Port Pirie, South Australia. Wilson D, et al. **Arch Environ Health** 1986 Jul–Aug;41(4):245–50

A comparison of blood lead levels in dogs from a lead–mining, lead–smelting, urban and rural island environment. Koh TS, et al. **Aust Vet J** 1986 Sep; 63(9):282–5

A simplified method for determining erythrocyte pyrimidine 5'–nucleotidase (P5N) activity by HPLC and its value in monitoring lead exposure. Sakai T, et al. **Br J Ind Med** 1986 Dec;43(12):839–44

Lead, ferritin, zinc, and hypertension. Lockett CJ, et al. **Bull Environ Contam Toxicol** 1987 Jun;38(6):975–80

External quality assessment of assays of lead in blood. Bullock DG, et al. **Clin Chem** 1986 Oct;32(10):1884–9

Screening methods for lead compared: ethanol paper–disc extraction method vs ethyl acetate extraction method. DeBaun MR, et al. **Clin Chem** 1987 Feb;33(2 Pt 1):309–10

Pharmacokinetics of CaNa2EDTA and chelation of lead in renal failure. Osterloh J, et al. **Clin Pharmacol Ther** 1986 Dec;40(6):686–93

Association of erythrocyte protoporphyrin with blood lead level and iron status in the second National Health and Nutrition Examination Survey, 1976–1980. Mahaffey KR, et al. **Environ Res** 1986 Oct;41(1):327–38

Blood lead and carboxyhemoglobin levels in chainsaw operators. van Netten C, et al. **Environ Res** 1987 Jun; 43(1):244–50

Erythrocyte protoporphyrin and blood lead levels of children from Jammu and Srinagar and papier mache trainees. Kaul PS, et al. **Indian J Pediatr** 1986 Sep–Oct;53(5):641–6

Variation of blood–lead levels with age in childhood. Kawai M, et al. **Int Arch Occup Environ Health** 1987;59(1):91–4

Prediction of blood lead by HPLC assay of erythrocyte pyrimidine 5'–nucleotidase. Cook LR, et al. **J Anal Toxicol** 1987 Jan–Feb;11(1):39–42

Evaluation of the relationship between chemical and biological monitoring of low–level lead poisoning. Wigfield DC, et al. **J Appl Toxicol** 1986 Aug;6(4):231–5

Trace minerals and magnesium in atherosclerosis and hypertension [letter] Singh RB. **J Assoc Physicians India** 1986 Jun;34(6):457–8

Plasma prolactin concentrations in lead exposed workers. Govoni S, et al. **J Environ Pathol Toxicol Oncol** 1987 Mar–Apr;7(4):13–5

Trends in blood lead levels in Christchurch (NZ) and environs 1978–85. Hinton D, et al. **J Epidemiol Community Health** 1986 Sep;40(3):244–8

Lead toxicity and reproduction. **J Occup Med** 1987 May; 29(5):397–9

The role of anion transport in the passive movement of lead across the human red cell membrane. Simons TJ. **J Physiol (Lond)** 1986 Sep;378:287–312

Passive transport and binding of lead by human red blood cells. Simons TJ. **J Physiol (Lond)** 1986 Sep;378:267–86

Blood lead and carboxyhaemoglobin levels in roadside workers. Cooke RA. **J Soc Occup Med** 1986 Autumn; 36(3):102–3

Lead absorption in the mineral extraction industry. Dornan J. **J Soc Occup Med** 1986 Autumn;36(3):99–101

Toxic lead exposure in the urban rock dove. DeMent SH, et al. **J Wildl Dis** 1987 Apr;23(2):273–8

Leads from the MMWR. Potential increased demand for lead testing as a result of recent HUD regulations. **JAMA** 1987 Jul 3;258(1):26

Blood lead levels [letter] Graef JW. **JAMA** 1987 Feb 27; 257(8):1050

Lead and IQ [letter] **Lancet** 1987 Jun 27;1(8548):1495

Influence of blood lead on the ability and attainment of children in Edinburgh. Fulton M, et al. **Lancet** 1987 May 30;1(8544):1221–6

Determinants of blood lead concentrations of pregnant women living in Port Pirie and surrounding areas. Baghurst PA, et al. **Med J Aust** 1987 Jan 19;146(2):69–73

Lead poisoning: closer liaison between medical and veterinary investigators [letter] Koh TS. **Med J Aust** 1987 Mar 2;146(5):280

Occupational lead exposure, G–6PD deficiency and beta–thalassemia trait. Cherchi P, et al. **Med Lav** 1987 Jan–Feb;78(1):75–84

Potential increased demand for lead testing as a result of recent HUD regulations. **MMWR** 1987 Jun 5;36(21):325–6, 331

Elevated lead levels in children with nonorganic failure to thrive. Bithoney WG. **Pediatrics** 1986 Nov;78(5):891–5

Blood lead levels in preschool children in Cape Town [letter] Kibel MA. **S Afr Med J** 1986 Sep 27;70(7):435

The need for accuracy in trace metal analysis: a case study of childhood exposure to lead. Braithwaite RA, et al. **Sangyo Ika Daigaku Zasshi** 1987 Mar 20;9 Suppl:35–49

Lead level of whole blood and plasma in workers exposed to lead stearate. Cavalleri A, et al. **Scand J Work Environ Health** 1987 Jun;13(3):218–20

Kinetics of lead in blood after the end of occupational exposure. Schütz A, et al. **Scand J Work Environ Health** 1987 Jun;13(3):221–31

The impact of gasoline lead on man blood lead: first results of the Athens lead experiment. Chartsias B, et al. **Sci Total Environ** 1986 Nov 1;55:275–82

Decreasing lead exposure in Swedish children, 1978–84. Skerfving S, et al. **Sci Total Environ** 1986 Dec 31; 58(3):225–9

Elevated blood lead levels in adults: a reportable occupational disease in Texas. Martin J, et al. **Tex Med** 1987 Jun;83(6):54–9

Effect of food intake on blood lead concentration in workers occupationally exposed to lead. Ito Y, et al. **Toxicol Lett** 1987 Jul;37(2):105–14

Effects of lead deficiency on lipid metabolism. Reichlmayr–Lais AM, et al. **Z Ernahrungswiss** 1986 Sep; 25(3):165–70

[Investigation of sources of lead absorption and the effects of low lead levels on development in children] Wang L. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Jul;20(4):193–6 (Eng. Abstr.) **(Chi)**

[Blood lead level in Switzerland in 1985: results of the MONICA survey] Martin R, et al. **Soz Praventivmed** 1987; 32(2):87–90 (Eng. Abstr.) **(Fre)**

[Effect of exchange transfusion on blood lead levels in newborn infants] Adamovich K. **Kinderarztl Prax** 1987 Apr;55(4):197–200 (Eng. Abstr.) **(Ger)**

[Blood lead burden of the population in the area of an accumulator factory—a field study of the Kassel city public health office] Letz A, et al. **Off Gesundheitswes** 1987 May; 49(5):250–4 (Eng. Abstr.) **(Ger)**

[Renal glomerular function and biological indicators of lead in steel industry workers with past absorption of lead] Baruffini A, et al. **Med Lav** 1987 Mar–Apr;78(2):117–23 (Eng. Abstr.) **(Ita)**

[A comparative study of lead concentration in the rat blood and brain by two different methods of oral administration] Aikawa H, et al. **Sangyo Igaku** 1986 Nov;28(6):470–1 **(Jpn)**

[Lead poisoning, blood lead and delta–aminolevulinic acid (letter)] Otero González A. **Med Clin (Barc)** 1986 Oct 11; 87(11):480 **(Spa)**

DIAGNOSTIC USE

Light microscopical localization of acid and alkaline phosphatase activity by lanthanum–lead–(La–Pb)–methods. Halbhuber KJ, et al. **Acta Histochem (Jena)** 1986; 80(1):35–40

IMMUNOLOGY

Ultrastructural and phenotypic changes in Langerhans cells induced in vitro by contact allergens. Picut CA, et al. **Br J Dermatol** 1987 Jun;116(6):773–84

Immunoregulatory properties of some heavy metals in physiology and pathology conditions. Part II. Jaremin B. **Bull Inst Marit Trop Med Gdynia** 1985;36(1–4):89–101 (177 ref.)

METABOLISM

Excretion of lead in rat bile—the role of glutathione. Alexander J, et al. **Acta Pharmacol Toxicol (Copenh)** 1986; 59 Suppl 7:486–9

Regional distribution of zinc, copper and lead in brain: (Na+–K+)–adenosine triphosphatase correlates of ethanol administration. Shafiq–ur–Rehman. **Alcohol Alcohol** 1986; 21(4):363–7

Rate of uptake of lead–203 into brain and other soft tissues of the rat at constant radiotracer levels in plasma. Bradbury MW, et al. **Ann NY Acad Sci** 1986;481:142–60

The effects of vitamin C supplementation on blood and hair levels of cadmium, lead, and mercury. Calabrese EJ, et al. **Ann NY Acad Sci** 1987;498:347–53

Mercury, cadmium, and lead in British otters. Mason CF, et al. **Bull Environ Contam Toxicol** 1986 Dec;37(6):844–9

Bioaccumulation potential of heterotrophic bacteria for lead, selenium, and arsenic. Thompson GA, et al. **Bull Environ Contam Toxicol** 1987 Jun;38(6):1049–54

Lead uptake and lead loss in the fresh water field crab, Barytelphusa guerini, on exposure to organic and inorganic lead. Tulasi SJ, et al. **Bull Environ Contam Toxicol** 1987 Jul;39(1):63–8

Biological half–lives of lead in Orchesella cincta (L.) (Collembola). van Straalen NM, et al. **Bull Environ Contam Toxicol** 1987 Feb;38(2):213–9

The uptake and storage of iron and lead in cells of the crayfish (Orconectes propinquus) hepatopancreas and antennal gland. Roldan BM, et al. **Comp Biochem Physiol [C]** 1987;86(1):201–14

Effects of lead in the laboratory mouse. I. Influence of pregnancy upon absorption, retention, and tissue distribution of radiolabeled lead. Donald JM, et al. **Environ Res** 1986 Dec;41(2):420–31

Effect of carbohydrates on lead absorption and retention in weanling rats. Nzelibe CG, et al. **Environ Res** 1986 Dec; 41(2):458–65

Dietary fibers and heavy metal retention in the rat. Rose HE, et al. **Environ Res** 1987 Feb;42(1):166–75

Exchanges of lead in vitro by the rabbit crystalline lens. Grubb BR, et al. **Exp Eye Res** 1986 Aug;43(2):259–66

Studies of lead administration and elimination in adult volunteers under natural and experimentally induced conditions over extended periods of time. Kehoe RA. **Food Chem Toxicol** 1987 Jun;25(6):421–93

Dissolution of two arsenic compounds by rabbit alveolar macrophages in vitro. Marafante E, et al. **Fundam Appl Toxicol** 1987 Apr;8(3):382–8

The body burden of chelatable lead, zinc and copper: a kinetic study in metal workers. Aono H, et al. **Ind Health** 1986;24(3):129–38

Evidence of differential hematopoietic compensation to lead intoxication in blood, liver and kidney. Hollebone BR, et al. **J Appl Toxicol** 1986 Dec;6(6):419–24

Concentrations of lead, cadmium, mercury and other elements in seeds of Lupinus mutabilis and of other legumes. Gross R, et al. **J Environ Pathol Toxicol Oncol** 1987 Jan–Feb;7(3):59–65

Lead enters bovine adrenal medullary cells through calcium channels. Simons TJ, et al. **J Neurochem** 1987 Feb; 48(2):383–9

Effect of intravenous ferric or aluminum chloride on the uptake of 203Pb into brain and other soft tissues of rats. Deane R, et al. **J Pharmacol Exp Ther** 1986 Nov; 239(2):548–53

Lead, zinc and copper decorporation during calcium disodium ethylenediamine tetraacetate treatment of lead–poisoned children. Thomas DJ, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):829–35

Mobilisation of lead from adipose tissue and cisplatin therapy [letter] Marcus WL, et al. **Lancet** 1986 Nov 8;2(8515):1098
Does lead exposure contribute to deterioration of renal function in patients with renal disease? [letter] Ritz E, et al. **Nephrol Dial Transplant** 1986;1(3):206–7
Segmental and intracellular distribution of lead in rat kidney and salivary glands. Craan AG, et al. **Toxicology** 1986 Dec 15;42(2–3):157–70
[Transplacental and milk transfer of 203Pb from mother to fetus and suckling mice] Ding XC.
Chung Hua Yu Fang I Hsueh Tsa Chih 1986 Jul; 20(4):199–201 (Eng. Abstr.) **(Chi)**
[Experimental control of the process of lead absorption and deposition in domestic ducks] Cibulka J, et al.
Vet Med (Praha) 1986 Dec;31(12):739–46 (Eng. Abstr.) **(Cze)**
[Experimental modification of the resorption process and lead deposition in the body of the domestic duck] Cibulka J, et al. **Tierarztl Prax** 1987;15(2):155–9 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effect of lead and ethanol upon gamma-globin synthesis in sickle reticulocytes. Adams JG 3d, et al.
Am J Med Sci 1986 Nov;292(5):299–305
Delta-aminolevulinic acid dehydratase (EC4.3.1.24) activity in erythrocytes from cattle administered low concentrations of lead acetate. Bratton GR, et al.
Am J Vet Res 1986 Sep;47(9):2068–74
Effects of muramyl dipeptide and lead acetate on carbon clearance and endotoxin-induced mortality in mice. Cheadle WG, et al. **Am Surg** 1986 Nov;52(11):613–7
Kidney zinc-thionein regulation of delta-aminolevulinic acid dehydratase inhibition by lead. Goering PL, et al.
Arch Biochem Biophys 1987 Feb 15;253(1):48–55
Blood lead, hearing thresholds, and neurobehavioral development in children and youth. Schwartz J, et al.
Arch Environ Health 1987 May–Jun;42(3):153–60
Mercury- and lead-induced contraction of aortic smooth muscle in vitro. Tomera JF, et al.
Arch Int Pharmacodyn Ther 1986 Oct;283(2):295–302
Sex-related interactions of cadmium and lead in changing cardiovascular homeostasis and tissue metal levels of chronically exposed rats. Carmignani M, et al.
Arch Toxicol [Suppl] 1987;11:216–9
The effect of lead and aluminium on rat dihydropteridine reductase. Cutler P, et al. **Arch Toxicol [Suppl]** 1987; 11:227–30
The effect of lead on protein and lactate dehydrogenase activity in hepatic slices cultured in vitro. Kucharz EJ, et al. **Arh Hig Rada Toksikol** 1986 Jun;37(2):225–9
Effect of combined exposure to lead and ethanol on some biochemical indices in the rat. Flora SJ, et al.
Biochem Pharmacol 1987 Feb 15;36(4):537–41
Effects of lead acetate on DNA and RNA synthesis by intact HeLa cells, isolated nuclei and purified polymerases. Frenkel GD, et al. **Biochem Pharmacol** 1987 Jan 15; 36(2):265–8
Connective tissue responses to some heavy metals. II. Lead: histology and ultrastructure. Ellender G, et al.
Br J Exp Pathol 1987 Jun;68(3):291–307
Epithelial cell proliferation in the rat urinary system induced by parenteral injection of lead salts. Herbertson BM, et al. **Br J Exp Pathol** 1987 Apr;68(2):167–77
Stimulation of murine lymphocyte responses by cations. Warner GL, et al. **Cell Immunol** 1986 Sep;101(2):425–39
Effects of lead on the male mouse as investigated by in vitro fertilization and blastocyst culture. Johansson L, et al.
Environ Res 1987 Feb;42(1):140–8
Stimulation of arachidonic acid metabolism via phospholipase A2 by triethyl lead. Krug H, et al. **Eur J Biochem** 1987 Jan 15;162(2):293–8
Changes in the organization of non-epithelial intermediate filaments induced by triethyl lead chloride. Zimmermann HP, et al. **Exp Cell Res** 1986 Dec;167(2):360–8
The mechanism of lead-induced mitochondrial Ca2+ efflux. Chávez E, et al. **J Bioenerg Biomembr** 1987 Jun; 19(3):285–95
Neuroelectrical correlates of categorical perception for place of articulation in normal and lead-treated rhesus monkeys. Molfese DL, et al. **J Clin Exp Neuropsychol** 1986 Dec; 8(6):680–96
Influence of high dietary lead on selenium metabolism in dairy calves. Neathery MW, et al. **J Dairy Sci** 1987 Mar; 70(3):645–52
The effects of different levels of dietary lead on zinc metabolism in dairy calves. White FD, et al.
J Dairy Sci 1985 May;68(5):1215–25
Effects of lead ions on events associated with exocytosis in isolated bovine adrenal medullary cells. Pocock G, et al.
J Neurochem 1987 Feb;48(2):376–82
Triethyl lead attenuates feeding and drinking, and induces a conditioned taste aversion, in adult rats. Czech DA, et al. **Neurobehav Toxicol Teratol** 1986 Nov–Dec;8(6):627–30
Differential effects of inorganic lead and delta-aminolevulinic acid in vitro on synaptosomal gamma-aminobutyric acid release. Minnema DJ, et al. **Toxicol Appl Pharmacol** 1986 Dec;86(3):437–47
Alteration of erythrocyte membrane fluidity by heavy metal cations. Amoruso MA, et al. **Toxicol Ind Health** 1987 Mar; 3(1):135–44
The effect of lead on cholinergic contractile function in the rat forestomach. Ryden EB, et al. **Toxicology** 1987 Jul; 45(1):65–78
Erythrocyte delta-aminolevulinic acid dehydratase in birds. I. The effects of lead and other metals in vitro. Scheuhammer AM. **Toxicology** 1987 Aug;45(2):155–63
Erythrocyte delta-aminolevulinic acid dehydratase in birds. II. The effects of lead exposure in vivo. Scheuhammer AM. **Toxicology** 1987 Aug;45(2):165–75
[Effect of lead and cadmium ions on the ATPase activity of the human erythrocyte membrane] Grabowska M, et al. **Folia Med Cracov** 1987;28(1–2):123–30 (Eng. Abstr.) **(Pol)**

RADIATION EFFECTS

Measurement of absorbed dose in water irradiated by 2.5-GeV bremsstrahlung. Ban S, et al. **Health Phys** 1987 Jul;53(1):67–72

TOXICITY

Adenine nucleotides in cultured brain cells after exposure to methyl mercury and triethyl lead. Grundt IK, et al.
Acta Pharmacol Toxicol (Copenh) 1986 Jul;59(1):11–6
Review of toxicology of inorganic lead. Putnam RD.
Am Ind Hyg Assoc J 1986 Nov;47(11):700–3 (26 ref.)
Effects of lead oxide and iron on glucose fermentation by Clostridium sp. Francis AJ, et al.
Arch Environ Contam Toxicol 1987 Jul;16(4):491–7
In vitro impairment of human granulocyte functions by lead. Governa M, et al. **Arch Toxicol** 1987 Apr;59(6):421–5
Lead does not affect calmodulin-induced activation of calcium-dependent adenosine triphosphatase in human red blood cell membranes. MacDonald E, et al.
Arch Toxicol [Suppl] 1986;9:397–400
Effect of lead nitrate on thyroid function of the Indian palm squirrel, Funambulus pennanti (Wroughton). Shrivastava VK, et al. **Bull Environ Contam Toxicol** 1987 Jun; 38(6):981–4
Lead nitrate induces certain biochemical properties characteristic of hepatocyte nodules. Roomi MW, et al.
Carcinogenesis 1986 Oct;7(10):1643–6
Hexose monophosphate shunt and cholesterogenesis in lead-induced kidney hyperplasia. Ledda-Columbano GM, et al. **Chem Biol Interact** 1987;62(3):209–15
Interaction of lead toxicity and riboflavin status in chicks (Gallus domesticus). Donaldson WE.
Comp Biochem Physiol [C] 1986;85(1):1–3
The effect of lead on insecticide metabolism. Guilford J, et al. **Drug Chem Toxicol** 1986;9(3–4):239–52
Interactions of dietary methionine, lead and lindane in rats. Rowe VA, et al. **Drug Nutr Interact** 1986;4(4):349–54
Lead nitrate induced changes in the thyroid physiology of the catfish Clarias batrachus (L). Katti SR, et al.
Ecotoxicol Environ Safety 1987 Feb;13(1):1–6
Long-term exposure of the male mouse to lead: effects on fertility. Johansson L, et al. **Environ Res** 1986 Dec; 41(2):481–7
Histopathological changes induced in rat tissues by oral intake of lead acetate. Karmakar N, et al. **Environ Res** 1986 Oct;41(1):23–8
Experimental lead toxicity in the ring-necked duck. Mautino M, et al. **Environ Res** 1986 Dec;41(2):538–45
Increased lead concentration in brain and potentiation of lead-induced neuronal depression in rats after combined treatment with lead and disulfiram. Oskarsson A, et al.
Environ Res 1986 Dec;41(2):623–32
Specific inhibition of myelination by lead in vitro; comparison with arsenic, thallium, and mercury. Windebank AJ.
Exp Neurol 1986 Oct;94(1):203–12
The effect of lead exposure on the testis of growing rats. Saxena DK, et al. **Exp Pathol** 1987;31(4):249–52
Histochemical changes in the testes of lead induced experimental rats. Chowdhury AR, et al.
Folia Histochem Cytobiol 1986;24(3):233–7
Effect of different levels and periods of lead exposure on tissue levels and excretion of lead, zinc, and calcium in the rat. Victery W, et al. **Fundam Appl Toxicol** 1987 May; 8(4):506–16
Interaction between some common genotoxic agents. Beckman L, et al. **Hum Hered** 1986;36(6):397–401
Lead: sources, exposure and possible carcinogenicity. Kazantzis G. **IARC Sci Publ** 1986;(71):103–11
Lead induced testicular dysfunction in weaned rats. Saxena DK, et al. **Ind Health** 1986;24(2):105–9
Alterations in peripheral nerve conduction velocity in low and high lead exposure: an animal study. Yokoyama K, et al. **Ind Health** 1986;24(2):67–74
Effects of lead, zinc and copper absorption on peripheral nerve conduction in metal workers. Murata K, et al.
Int Arch Occup Environ Health 1987;59(1):11–20
The effect of lead on chemical- and viral-induced tumor production in mice. Blakley BR. **J Appl Toxicol** 1987 Jun; 7(3):167–72
The combined effect of Pb2+ and Mn2+ on monoamine uptake and Na+, K+-ATPase in striatal synaptosomes. Hussain T, et al. **J Appl Toxicol** 1987 Aug;7(4):277–80
Interactions of nitrilotriacetic acid (NTA) with Cr(VI) compounds in the induction of gene mutations in cultured mammalian cells. Celotti L, et al. **Mutat Res** 1987 Jan; 190(1):35–9
Lead exposure and cognitive development [letter]
N Engl J Med 1987 Oct 1;317(14):895–7
Effects of lead in the laboratory mouse. Development and social behaviour after lifelong exposure to 12 microM lead in drinking fluid. Donald JM, et al. **Neuropharmacology** 1987 Apr;26(4):391–9
Low level lead exposure during lactation increases rough and tumble play fighting of juvenile rats. Holloway WR Jr, et al. **Neurotoxicol Teratol** 1987 Jan–Feb;9(1):51–7
Lead nitrate induced changes in the brain constituents of the freshwater fish Clarias batrachus (L). Katti SR, et al.
Neurotoxicology 1986 Fall;7(3):47–51
Valproate-induced accumulation of gamma-aminobutyric acid after chronic exposure to inorganic lead. Lasley SM, et al. **Neurotoxicology** 1986 Summer;7(2):527–40
Neurotoxicants and central catecholamine systems. Mailman RB, et al. **Neurotoxicology** 1987 Spring;8(1):123–39 (96 ref.)
The effects of lead exposure during development on higher order cognitive functioning in the rat. Massaro EJ, et al.
Neurotoxicology 1986 Summer;7(2):515–26
The neurotoxicology of lead. Moore MR, et al.
Neurotoxicology 1986 Summer;7(2):541–56 (66 ref.)
Empirical and epistemic issues in the study of low dose lead effects. Needleman HL. **Neurotoxicology** 1986 Summer; 7(2):497–514 (40 ref.)
The effects of lead exposure on field potentials of CA3 pyramidal cells from mossy fiber stimulation in rat hippocampus. Riexinger KG, et al. **Neurotoxicology** 1986 Fall;7(3):35–45
Lead retention in blood and brain after preweaning low-level lead exposure in the rat. Livesey DJ, et al.
Pharmacol Biochem Behav 1986 Nov;25(5):1089–94
Sirenomelia: analysis in the cadmium- and lead-treated golden hamster. Hilbelink DR, et al.
Teratogenesis Carcinog Mutagen 1986;6(5):431–40
Effect of inorganic lead on the primordial germ cells in the mouse embryo. Wide M, et al. **Teratology** 1986 Oct; 34(2):207–12
Strain difference in learning impairment in rats following lead administration during brain development. Shigeta S, et al.
Tokai J Exp Clin Med 1986 Oct;11(4):241–7
Interaction of divalent metal ions with normal and lead-inhibited human erythrocytic porphobilinogen synthase in vitro. Farant JP, et al.
Toxicol Appl Pharmacol 1987 Jun 15;89(1):9–18
Lead toxicity in primary cultured cerebral astrocytes and cerebellar granular neurons. Holtzman D, et al.
Toxicol Appl Pharmacol 1987 Jun 30;89(2):211–25
The behavioral effects of prenatal and early postnatal lead exposure in the primate Macaca fascicularis. Hopper DL, et al. **Toxicol Ind Health** 1986 Jul;2(1):1–16
Chronic lead exposure alters dopaminergic mechanisms in rat pituitary. Lucchi L, et al. **Toxicol Lett** 1986 Sep; 32(3):255–60
Increment of prostaglandin E2 in association with elevation of urinary sodium excretion following lead administration. Suketa Y, et al. **Toxicol Lett** 1986 Sep;32(3):221–6
Induction of the placental form of glutathione S-transferase by lead nitrate administration in rat liver. Roomi MW, et al. **Toxicol Pathol** 1987;15(2):202–5
Lead-induced inclusion bodies in rat kidney after perinatal treatment with lead and disulfiram. Oskarsson A, et al.
Toxicology 1987 Apr;44(1):61–72
Cellular targets of lead neurotoxicity: in vitro models. Tiffany-Castiglioni E, et al. **Toxicology** 1986 Dec 15; 42(2–3):303–15
[Effects of peri- and postnatal lead administration on learning of high avoider rats] Aikawa H, et al. **Sangyo Igaku** 1986 Nov;28(6):428–37 (Eng. Abstr.) **(Jpn)**
[Hemoglobin A1 and A1c levels in lead refinery workers] Horiguchi S, et al. **Przegl Lek** 1987;44(2):261–4 (Eng. Abstr.) **(Pol)**
[Sister chromatid exchange in human cells in vitro after exposure to lead chloride and ethyl alcohol and its metabolites] Bassendowska-Karska E, et al.
Rocz Panstw Zakl Hig 1986;37(4):278–85 (Eng. Abstr.) **(Pol)**
[Kinetics of lead and cadmium migration from porcelain dishes] Zawadzka T, et al. **Rocz Panstw Zakl Hig** 1986; 37(3):210–8 (Eng. Abstr.) **(Pol)**
[Lead levels in the soil in the range of lead emission from the Irena glass factory in Inowroclaw] Zommer-Urbańska S, et al. **Rocz Panstw Zakl Hig** 1987;38(1):37–43 (Eng. Abstr.) **(Pol)**
[Assessment of the mutagenic potential of industrial toxins via the micronucleus test] Barbărasă C, et al.
Rev Med Chir Soc Med Nat Iasi 1986 Apr–Jun;90(2):347–50 (Eng. Abstr.) **(Rum)**
[Effects of industrial poisons on human chromosomes under conditions of occupational exposure] Călugăr A, et al.
Rev Med Chir Soc Med Nat Iasi 1986 Jan–Mar;90(1):101–4 (Eng. Abstr.) **(Rum)**
[Effect of lead-zinc concentrate dust on the liver] Burkhanov AI, et al. **Gig Sanit** 1987 Feb;(2):90–1 **(Rus)**
[Characteristics of immunological indices during physical loads under chronic exposure to radioactive and nonradioactive toxic chemicals] Shubik VM, et al.
Gig Sanit 1986 Jul;(7):39–41 (Eng. Abstr.) **(Rus)**
[Hygienic standards for mixtures of mercury and lead in soil] Surkova GV. **Gig Sanit** 1987 Apr;(4):11–4 (Eng. Abstr.) **(Rus)**
[Mutagenic properties if lead entering the body in its plant-biotransformed form] Maganova NB. **Vopr Pitan** 1987 Mar–Apr;(2):53–5 (Eng. Abstr.) **(Rus)**

URINE

Determination of lead and cadmium in urine by differential-pulse anodic stripping voltammetry. Onar AN, et al. **Analyst** 1987 Mar;112(3):227–9

Effect of immersion on urinary lead excretion. Heywood A, et al. **Br J Ind Med** 1986 Oct;43(10):713–5

Dynamics of diethyllead excretion in the urine of rabbits after tetraethyllead administration. Kozarzewska Z, et al. **Br J Ind Med** 1987 Jun;44(6):417–21

The influence of the homoeopathic remedy plumbum metallicum on the excretion kinetics of lead in rats. Fisher P, et al. **Hum Toxicol** 1987 Jul;6(4):321–4

Determination of triethyllead, diethyllead and inorganic lead in urine by atomic absorption spectrometry. Arai F. **Ind Health** 1986;24(3):139–50

Urinary lead levels among farmers in non-polluted areas in Japan. Watanabe T, et al. **Toxicol Lett** 1987 Jun;37(1):69–78

[Excretion of triethyl lead, diethyl lead and inorganic lead in the urine and feces of rabbits treated with diethyl lead dichloride] Arai F, et al. **Sangyo Igaku** 1986 May; 28(3):151–9 (Eng. Abstr.) **(Jpn)**

[Lead and cadmium in the urine of occupationally exposed workers and of persons from a non-industrial region] Wójcik A, et al. **Folia Med Cracov** 1987;28(1–2):117–22 (Eng. Abstr.) **(Pol)**

[Determining the levels of cadmium, lead and nickel in the urine of workers] Soldatenkova NA, et al. **Gig Tr Prof Zabol** 1987 Feb;(2):53–5 **(Rus)**

LEAD POISONING

Review of toxicology of inorganic lead. Putnam RD. **Am Ind Hyg Assoc J** 1986 Nov;47(11):700–3 (26 ref.)

Lead nephropathy. Wedeen RP, et al. **Am J Kidney Dis** 1986 Nov;8(5):380–3

Lead poisoning in infancy—unusual causes in the U.A.E. Rahman H, et al. **Ann Trop Paediatr** 1986 Sep;6(3):213–7

Lead poisoning in children. Roberts FB. **J Tenn Med Assoc** 1987 Jul;80(7):426

Lead and children's IQ [letter] **Lancet** 1987 Aug 1; 2(8553):285–6

BLOOD

The hazards of benign(?) neglect of elevated blood lead levels [letter] Needleman HL, et al. **Am J Dis Child** 1987 Sep; 141(9):941–2

Lead, ferritin, zinc, and hypertension. Lockett CJ, et al. **Bull Environ Contam Toxicol** 1987 Jun;38(6):975–80

Plasma prolactin concentrations in lead exposed workers. Govoni S, et al. **J Environ Pathol Toxicol Oncol** 1987 Mar-Apr;7(4):13–5

[Zinc protoporphyrin in the blood as a screening indicator of occupational hazards produced by lead] Chen ZQ. **Chung Hua I Hsueh Tsa Chih** 1986 Aug;66(8):484–7 **(Chi)**

[Effect of exchange transfusion on blood lead levels in newborn infants] Adamovich K. **Kinderarztl Prax** 1987 Apr;55(4):197–200 (Eng. Abstr.) **(Ger)**

[Increase in the values of blood lead and erythrocyte zinc protoporphyrin in the first years of occupational exposure] Apostoli P, et al. **Med Lav** 1986 Nov-Dec;77(6):622–7 (Eng. Abstr.) **(Ita)**

[The erythrocyte zinc protoporphyrin test in the biological monitoring of working populations exposed to metallic lead] Apostoli P, et al. **Med Lav** 1986 Sep-Oct;77(5):529–37 (Eng. Abstr.) **(Ita)**

[Results of the control of the reliability of toxicological analyses of biological specimens 1980–1984] Antczak K, et al. **Med Pr** 1986;37(4):264–70 (Eng. Abstr.) **(Pol)**

[Effect of lead on the hematopoietic system with reference to environmental and occupational exposure] Lisiewicz J, et al. **Postepy Hig Med Dosw** 1986 Jan-Feb;40(1):45–79 (180 ref.) (Eng. Abstr.) **(Pol)**

[Physico-chemical characteristics of erythrocyte membranes during the development of anemia induced by the administration of lead] Iaverbaum PM, et al. **Gematol Transfuziol** 1987 Jun;32(6):51–3 (Eng. Abstr.) **(Rus)**

[Lead poisoning, blood lead and delta-aminolevulinic acid (letter)] Otero González A. **Med Clin (Barc)** 1986 Oct 11; 87(11):480 **(Spa)**

COMPLICATIONS

Chronic lead nephropathy. Craswell PW. **Annu Rev Med** 1987;38:169–73 (25 ref.)

Lead poisoning: unusual manifestation and unusual source. Wilson TW, et al. **Can Med Assoc J** 1986 Oct 1; 135(7):773–5

Lead Nephropathy. Ritz E, et al. **Contrib Nephrol** 1987; 55:185–91 (48 ref.)

In inherited porphyrias, lead intoxication is a toxogenetic disorder. Batlle AM, et al. **Int J Biochem** 1987;19(8):717–20

Lead toxicity and reproduction. **J Occup Med** 1987 May; 29(5):397–9

Chronic low-level lead exposure. Its role in the pathogenesis of hypertension. Sharp DS, et al. **Med Toxicol** 1987 May-Jun;2(3):210–32 (175 ref.)

The neurobehavioral effects of early lead exposure. Dietrich KN, et al. **Monogr Am Assoc Ment Defic** 1987;(8):71–95

Psycho-social factors, lead exposure, and IQ. Schroeder SR, et al. **Monogr Am Assoc Ment Defic** 1987;(8):97–137

Effect of lead on Na+,K+ATPase activity in the developing brain of intra-uterine growth-retarded rats. Chanez C, et al. **Neurochem Pathol** 1986 Aug;5(1):37–49

Low level lead exposure in the prenatal and early preschool periods: early preschool development. Ernhart CB, et al. **Neurotoxicol Teratol** 1987 May-Jun;9(3):259–70

Persistence of retention deficit in rats after neonatal lead exposure. Munoz C, et al. **Neurotoxicology** 1986 Summer; 7(2):569–80

Developmental effects of lead: its mechanism in intellectual functioning and neural plasticity. Petit TL. **Neurotoxicology** 1986 Summer;7(2):483–95 (45 ref.)

Enhanced teratogenicity of orally administered lead in hamsters fed diets deficient in calcium or iron. Carpenter SJ. **Toxicology** 1982;24(3–4):259–71

Use of the CaNa2 EDTA Pb-mobilization test to detect occult lead nephropathy. Wedeen RP. **Uremia Invest** 1985–86;9(2):127–30

[Subclinical lead poisoning as a cause of nephropathy and arterial hypertension] Wiecek A, et al. **Pol Tyg Lek** 1987 May 4;42(18):565–8 (46 ref.) **(Pol)**

[Neurologic manifestations in 93 patients with exogenous poisoning caused by non-therapeutic chemical substances] Agapejev S, et al. **Arq Neuropsiquiatr** 1986 Sep; 44(3):232–42 (Eng. Abstr.) **(Por)**

[Chronic lead poisoning associated with minor beta thalassemia (letter)] Sanz Gallén P, et al. **Rev Clin Esp** 1987 May;180(8):463–4 **(Spa)**

DIAGNOSIS

delta-Aminolaevulinic acid dehydratase as an index of the presence and severity of lead poisoning in acute and chronic lead exposure. Lolin Y, et al. **Ann Clin Biochem** 1986 Sep;23 (Pt 5):521–8

Lead exposure in children: the need for professional and public education. Guthrie R. **Ann NY Acad Sci** 1986; 477:322–8

Acute-subacute lead poisoning. Clinical findings and comparative study of diagnostic tests. Carton JA, et al. **Arch Intern Med** 1987 Apr;147(4):697–703

An experimental study on nerve conduction velocities and biochemical parameters in lead-administered rats. Pang YF, et al. **Ind Health** 1986;24(4):163–72

Search for anti-laminin antibodies in the serum of workers exposed to cadmium, mercury vapour or lead. Bernard AM, et al. **Int Arch Occup Environ Health** 1987;59(3):303–9

Lead intoxication psychosis in an adolescent. McCracken JT. **J Am Acad Child Adolesc Psychiatry** 1987 Mar;26(2):274–6

Evaluation of the relationship between chemical and biological monitoring of low-level lead poisoning. Wigfield DC, et al. **J Appl Toxicol** 1986 Aug;6(4):231–5

A case of factitious disorder presenting as plumbism. Johnson G, et al. **Med J Aust** 1987 Mar 2;146(5):264–6

American Academy of Pediatrics Committee on Environmental Hazards and Committee on Accident and Poison Prevention: Statement on childhood lead poisoning. **Pediatrics** 1987 Mar;79(3):457–65

[Laboratory indices for the diagnosis of lead poisoning] Xue HL. **Chung Hua I Hsueh Tsa Chih** 1987 Jan;67(1):23–6 (Eng. Abstr.) **(Chi)**

[Lead and cadmium burden of children, adolescents and adults in a heavy metal polluted area of Rastatt] Ziegler R. **Off Gesundheitswes** 1987 Apr;49(4):185–91 (Eng. Abstr.) **(Ger)**

[Renal glomerular function and biological indicators of lead in steel industry workers with past absorption of lead] Baruffini A, et al. **Med Lav** 1987 Mar-Apr;78(2):117–23 (Eng. Abstr.) **(Ita)**

[Diagnostic difficulties in a case of acute lead poisoning] Panaszek B, et al. **Pol Tyg Lek** 1986 Jul 7;41(27):867–9 (Eng. Abstr.) **(Pol)**

[Status of purine metabolism in painters working in contact with lead-containing paints] Loginova TK, et al. **Revmatologiia (Moskva)** 1986 Jul-Sep;(3):43–4 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Treatment of lead poisoning with unithiol in chronic renal failure [letter] Vincent D, et al. **Clin Nephrol** 1986 Nov; 26(5):267

Calcinosis at the site of leakage from extravasation of calcium disodium edetate intravenous chelator therapy in a child with lead poisoning. Schumacher HR Jr, et al. **Clin Orthop** 1987 Jun;(219):221–5

Chelation in metal intoxication. XIX. alpha-Mercapto-beta-aryl acrylic acid as antidotes to nickel and lead toxicity. Sharma BL, et al. **J Appl Toxicol** 1986 Aug;6(4):253–7

Lead, zinc and copper decorporation during calcium disodium ethylenediamine tetraacetate treatment of lead-poisoned children. Thomas DJ, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):829–35

Meso-2,3-dimercaptosuccinic acid in the diagnosis and treatment of lead poisoning. Bentur Y, et al. **J Toxicol Clin Toxicol** 1987;25(1–2):39–51

Lead intoxication in industry [letter] Galton-Fenzi D. **Med J Aust** 1987 Jan 19;146(2):113

ENZYMOLOGY

[Changes in the kinetic characteristics of reactions catalyzed by erythrocyte delta-aminolevulinate dehydratase in experimental lead poisoning in rats] Okunev IA, et al. **Vopr Med Khim** 1986 Jul-Aug;32(4):94–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Gasoline sniffing and lead poisoning. Moss MA, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:48–51

Deleading houses. Dangers in the dust. Sayre JW. **Am J Dis Child** 1987 Jul;141(7):727–8

Lead exposure in a firing range. Novotny T, et al. **Am J Public Health** 1987 Sep;77(9):1225–6

Lead poisoning in infancy—unusual causes in the U.A.E. Rahman H, et al. **Ann Trop Paediatr** 1986 Sep;6(3):213–7

Potential lead hazards. The presence of lead in autoclave indicators. Davis AE Jr. **AORN J** 1987 Jun;45(6):1378–82

Lead: sources, exposure and possible carcinogenicity. Kazantzis G. **IARC Sci Publ** 1986;(71):103–11

Lead poisoning from a gunshot wound to the hand. Viegas SF, et al. **J Hand Surg [Am]** 1986 Sep;11(5):729–32

Lead absorption in the mineral extraction industry. Dornan J. **J Soc Occup Med** 1986 Autumn;36(3):99–101

Acute lead poisoning in two users of illicit methamphetamine. Allcott JV 3d, et al. **JAMA** 1987 Jul 24–31;258(4):510–1

Encephalopathy due to inorganic lead exposure in an adult. Kumar S, et al. **Jpn J Med** 1987 May;26(2):253–4

Lead intoxication in paint removal workers [letter] Christophers AJ. **Med J Aust** 1987 May 18;146(10):559–60

Lead intoxication in paint removal workers on the Sydney Harbour Bridge. Pollock CA, et al. **Med J Aust** 1986 Dec 1–15;145(11–12):635–9

Lead poisoning in automobile radiator mechanics. Goldman RH, et al. **N Engl J Med** 1987 Jul 23;317(4):214–8

Lead-contaminated heroin as a source of inorganic-lead intoxication [letter] Parras F, et al. **N Engl J Med** 1987 Mar 19;316(12):755

Lead health effects in drinking water. Marcus WL. **Toxicol Ind Health** 1986 Dec;2(4):363–407

Traditional remedies and lead intoxication. Abu Melha A, et al. **Trop Geogr Med** 1987 Jan;39(1):100–3

[Lead poisoning by drinking water: reflections based on observations in the Vosges] Duc M, et al. **Rev Med Liege** 1987 Jun 15;42(12):616–27 **(Fre)**

[Occupational exposure to lead and its effect on the oral system] Zarling D. **Z Gesamte Hyg** 1986 Sep;32(9):556–8 (Eng. Abstr.) **(Ger)**

[Lead poisoning in West Bank Arabs caused by contaminated flour] Hershko C, et al. **Harefuah** 1986 Nov 16; 111(10):339–41 **(Heb)**

[Ingestion of lead and cadmium in daily meals by adolescents aged 14–18 years] Zawadzka T, et al. **Rocz Panstw Zakl Hig** 1986;37(6):473–82 (Eng. Abstr.) **(Pol)**

[Lead poisoning and drug addiction (letter)] Molina Manzano J, et al. **Rev Clin Esp** 1987 Jun;181(2):117–8 **(Spa)**

HISTORY

Lead in ancient human bones and its relevance to historical developments of social problems with lead. Patterson CC, et al. **Sci Total Environ** 1987 Mar;61:167–200 (85 ref.)

[Lead poisoning in the transactions of the former Erfurt Academy of Sciences in the late 18th century] Kiefer J. **Z Gesamte Hyg** 1986 Dec;32(12):735–6 (Eng. Abstr.) **(Ger)**

[Theory and medical health practice concerning occupational diseases, with reference to historical and present lead poisoning. Critical comments] Dantín Gallego J. **An R Acad Nac Med (Madr)** 1987;104(1):13–51 **(Spa)**

IMMUNOLOGY

Chronic low-level lead exposure impairs embryonic to adult conversion of the neural cell adhesion molecule. Cookman GR, et al. **J Neurochem** 1987 Aug;49(2):399–403

[Effects of low-level long-term exposure to lead on the immune system and delta-aminolevulinic acid dehydratase activity (ALA-D)] Huber HC, et al. **Z Gesamte Hyg** 1987 Apr;33(4):194–6 (Eng. Abstr.) **(Ger)**

[Effect of lead poisoning on immediate allergy] Urazbaeva RE. **Gig Tr Prof Zabol** 1986 Aug;(8):50–1 **(Rus)**

METABOLISM

Laser microprobe mass analysis (LAMMA) to study lead intoxication at the subcellular level. Vandeputte DF, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:617–9

Lead poisoning from retained missiles. An experimental study. Manton WI, et al. **Ann Surg** 1986 Nov;204(5):594–9

Myelin basic protein in brains of rats with low dose lead encephalopathy. Sundström R, et al. **Arch Toxicol** 1987 Feb;59(5):341–5

Effect of lead exposure on dopaminergic receptors in rat striatum and nucleus accumbens. Govoni S, et al. **Brain Res** 1986 Aug 27;381(1):138–42

Impact of chronic lead poisoning on the hematological and biochemical profiles of a fish, Barbus conchonius (Ham). Tewari H, et al. **Bull Environ Contam Toxicol** 1987 May; 38(5):748–52

The effect of lead on tetrahydrobiopterin metabolism. A possible mechanism for neurotoxicity. Eggar C, et al. **Clin Chim Acta** 1986 Nov 30;161(1):103–9

Childhood lead toxicity and impaired release of thyrotropin-stimulating hormone. Huseman CA, et al.

Environ Res 1987 Apr;42(2):524–33

Influence of pyridoxine (vitamin B6) on lead intoxication in rats. Tandon SK, et al. **Ind Health** 1987;25(2):93–6

Effects of lead toxicity on liver and spleen ferritins in rats. Santra M, et al. **Indian J Biochem Biophys** 1986 Oct; 23(5):291–3

Evidence of differential hematopoietic compensation to lead intoxication in blood, liver and kidney. Hollebone BR, et al. **J Appl Toxicol** 1986 Dec;6(6):419–24

Chemical and biological monitoring of chronic lead poisoning in the rat. Implications to the assessment of hazard of low–level lead. Wigfield DC, et al. **J Appl Toxicol** 1986 Oct;6(5):371–6

Lead–associated protein in kidney and brain. **Nutr Rev** 1986 Oct;44(10):347–8

The influence of subcutaneously administered lead(II) acetate on the concentrations of copper, iron, and zinc in the blood, kidney, liver, and spleen of rats. Gasiorowski K, et al. **Sci Total Environ** 1987 Jun;64(1–2):117–23

Urinary excretion of 5–hydroxyindoleacetic acid, delta–aminolevulinic acid and ooproporphyrin isomers in rats and men exposed to lead. Ichiba M, et al. **Toxicol Lett** 1987 Sep;38(1–2):91–6

Effect of disulfiram on milk transfer and tissue distribution of lead in the neonatal rat. Oskarsson A. **Toxicol Lett** 1987 Mar;36(1):73–9

[Excretion of triethyl lead, diethyl lead and inorganic lead in the urine and feces of rabbits treated with diethyl lead dichloride] Arai F, et al. **Sangyo Igaku** 1986 May; 28(3):151–9 (Eng. Abstr.) **(Jpn)**

[Thyroxine (T4) levels in workers exposed to lead] Bielecka W, et al. **Med Pr** 1987;38(1):40–4 (Eng. Abstr.) **(Pol)**

MORTALITY

Mortality and lead exposure: a retrospective cohort study of Swedish smelter workers. Gerhardsson L, et al. **Br J Ind Med** 1986 Oct;43(10):707–12

OCCURRENCE

Occupational lead poisoning in Ohio: surveillance using workers' compensation data. Seligman PJ, et al. **Am J Public Health** 1986 Nov;76(11):1299–302

Assessment of lead toxicity in traffic controllers of Alexandria, Egypt, road intersections. Ahmed NS, et al. **Arch Environ Health** 1987 Mar–Apr;42(2):92–5

Pediatric lead poisoning in 1987: the silent epidemic continues. Landrigan PJ, et al. **Pediatrics** 1987 Apr; 79(4):582–3

Decreasing lead exposure in Swedish children, 1978–84. Skerfving S, et al. **Sci Total Environ** 1986 Dec 31; 58(3):225–9

[Internal lead poisoning in Greenland (letter)] Jensen BM. **Ugeskr Laeger** 1987 May 11;149(20):1363–4 **(Dan)**

[Internal lead poisoning in Greenland] Johansen L, et al. **Ugeskr Laeger** 1987 Mar 9;149(11):750–1 (Eng. Abstr.) **(Dan)**

[Blood lead burden of the population in the area of an accumulator factory—a field study of the Kassel city public health office] Letz A, et al. **Off Gesundheitswes** 1987 May; 49(5):250–4 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Oxygen uptake and gill morphological alterations in Procambarus clarkii (Girard) after sublethal exposure to lead. Torreblanca A, et al. **Comp Biochem Physiol [C]** 1987; 86(1):219–24

Functional changes of testes in lead intoxicated rats. Chowdhury AR, et al. **Ind Health** 1987;25(2):55–62

Histology and ultrastructure of alterations in neuropathy. Behse F, et al. **Muscle Nerve** 1978 Sep–Oct;1(5):368–74

Flow cytometry Coulter volume analysis of lead– and cadmium–induced cellular alterations in bone marrow obtained from young adult and aged Balb/c mice. Burchiel SW, et al. **Toxicol Lett** 1986 Nov;34(1):89–94

Changes in the hypothalamo–neurohypophysial complex of lead treated teleostean fish Clarias batrachus (L.). Katti SR, et al. **Z Mikrosk Anat Forsch** 1986;100(3):347–52

[Ultrastructural changes in the cells of bone marrow capillaries in chronic lead exposure] Nosova LI. **Tsitol Genet** 1987 Mar–Apr;21(2):83–7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Sperm count suppression without endocrine dysfunction in lead–exposed men. Assennato G, et al. **Arch Environ Health** 1987 Mar–Apr;42(2):124–7

The effects of chronic lead treatment and hypertension on the severity of cardiac arrhythmias induced by coronary artery occlusion or by noradrenaline in anaesthetised rats. Evis MJ, et al. **Arch Toxicol** 1987 Feb;59(5):336–40

Short term lead exposure, age and food deprivation: interactive effects on wheel running behavior of adult male mice. Donovick PJ, et al. **Exp Aging Res** 1986 Autumn; 12(3):163–8

Neuroelectrical correlates of categorical perception for place of articulation in normal and lead–treated rhesus monkeys. Molfese DL, et al. **J Clin Exp Neuropsychol** 1986 Dec; 8(6):680–96

Auditory brainstem evoked potentials in asymptomatic lead–exposed subjects. Holdstein Y, et al. **J Laryngol Otol** 1986 Sep;100(9):1031–6

Correlation between biochemical indicators of lead exposure and semen quality in a lead–poisoned firearms instructor. Fisher–Fischbein J, et al. **JAMA** 1987 Feb 13;257(6):803–5

Lead intoxication. Ibels LS, et al. **Med Toxicol** 1986 Nov–Dec;1(6):387–410 (123 ref.)

Longitudinal analyses of prenatal and postnatal lead exposure and early cognitive development. Bellinger D, et al. **N Engl J Med** 1987 Apr 23;316(17):1037–43

Behavioral and neurochemical effects after combined perinatal treatment of rats with lead and disulfiram. Oskarsson A, et al. **Neurobehav Toxicol Teratol** 1986 Sep–Oct;8(5):591–9

Effects of 1.2 microM lead in the laboratory mouse: developmental and behavioural consequences of chronic treatment. Donald JM, et al. **Neuropharmacology** 1986 Dec; 25(12):1395–401

Lead neuropathy and electrophysiological studies in low level lead exposure: a critical review. Ehle AL. **Neurotoxicology** 1986 Fall;7(3):203–16 (65 ref.)

The neurotoxicology of lead. Moore MR, et al. **Neurotoxicology** 1986 Summer;7(2):541–56 (66 ref.)

Empirical and epistemic issues in the study of low dose lead effects. Needleman HL. **Neurotoxicology** 1986 Summer; 7(2):497–514 (40 ref.)

Maternal care by rhesus monkeys of infant monkeys exposed to either lead or 2,3,7,8–tetrachlorodibenzo–P–dioxin. Schantz SL, et al. **Neurotoxicology** 1986 Summer; 7(2):637–50

Maternally mediated exposure of the fetus: in utero exposure to lead and other toxins. Silbergeld EK. **Neurotoxicology** 1986 Summer;7(2):557–68 (30 ref.)

Clinical electroencephalogram (EEG) of the workers in a lead refinery. Kubo M, et al. **Osaka City Med J** 1986 Aug; 32(1):27–40

Carotid sinus reflexes in rats given small doses of lead. Skoczyńska A, et al. **Toxicology** 1987 Feb;43(2):161–71

[Influence of lead on female reproductive function] Yang SX. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Jul; 21(4):208–10, 252 (Eng. Abstr.) **(Chi)**

[Kidney function in lead burden] Ritz E, et al. **Klin Wochenschr** 1986 Sep 15;64(18):871–5 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Hazards of 'deleading' homes of children with lead poisoning. Amitai Y, et al. **Am J Dis Child** 1987 Jul;141(7):758–60

S–adenosyl–L–methionine and lead intoxication: its therapeutic effect varying the route of administration. Paredes SR, et al. **Ecotoxicol Environ Safety** 1986 Dec; 12(3):252–60

Evaluation of a new specific analysis of urinary delta–aminolevulinic acid in man. Witting U, et al. **Int Arch Occup Environ Health** 1987;59(4):375–83

Lead toxicity in chicks: interactions with dietary methionine and choline. Latta DM, et al. **J Nutr** 1986 Aug; 116(8):1561–8

Leads from the MMWR. Potential increased demand for lead testing as a result of recent HUD regulations. **JAMA** 1987 Jul 3;258(1):26

Potential increased demand for lead testing as a result of recent HUD regulations. **MMWR** 1987 Jun 5;36(21):325–6, 331

Chelation in metal intoxication. XXIV: Influence of various components of vitamin B complex on the therapeutic efficacy of disodium calcium versenate in lead intoxication. Tandon SK, et al. **Pharmacol Toxicol** 1987 Jan;60(1):62–5

Towards a scientific basis for regulating lead contamination. Simms DL. **Sci Total Environ** 1986 Dec 31;58(3):209–24

Elevated blood lead levels in adults: a reportable occupational disease in Texas. Martin J, et al. **Tex Med** 1987 Jun;83(6):54–9

[Effect of hydrogen sulfide water on the bodies of lead production workers] Berezov TT, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Jan–Feb;(1):56 **(Rus)**

PSYCHOLOGY

Re: "A psychiatric epidemiologic study of occupational lead exposure" [letter] Kusiak R, et al. **Am J Epidemiol** 1987 Feb;125(2):348–9

Relation of lead and social factors to IQ of low–SES children: a partial replication. Hawk BA, et al. **Am J Ment Defic** 1986 Sep;91(2):178–83

Neuropsychological studies on lead workers in Singapore. Jeyaratnam J, et al. **Br J Ind Med** 1986 Sep;43(9):626–9

Categorical perception for voicing contrasts in normal and lead–treated rhesus monkeys: electrophysiological indices. Morse PA, et al. **Brain Lang** 1987 Jan;30(1):63–80

Lead exposure and children's intellectual performance. Pocock SJ, et al. **Int J Epidemiol** 1987 Mar;16(1):57–67

Psychopharmacological investigations of a lead–induced long–term cognitive deficit in monkeys. Levin ED, et al. **Psychopharmacology (Berlin)** 1987;91(3):334–41

RADIOGRAPHY

Lead encephalopathy presenting as a posterior fossa mass. Case report. Harrington JF, et al. **J Neurosurg** 1986 Nov; 65(5):713–5

THERAPY

Deleading dilemma: pitfall in the management of childhood lead poisoning. Rey–Alvarez S, et al. **Pediatrics** 1987 Feb; 79(2):214–7

URINE

Elevated urinary excretion of beta–aminoisobutyric acid and exposure to inorganic lead. Farkas WR, et al. **Arch Environ Health** 1987 Mar–Apr;42(2):96–9

Effect of immersion on urinary lead excretion. Heywood A, et al. **Br J Ind Med** 1986 Oct;43(10):713–5

Optimized liquid–chromatographic method for fluorometric determination of urinary delta–aminolevulinic acid in workers exposed to lead. Tomokuni K, et al. **Clin Chem** 1987 Sep;33(9):1665–7

The proteinuria of industrial lead intoxication. Vacca CV, et al. **Environ Res** 1986 Dec;41(2):440–6

Quantitative determination of urinary delta–aminolevulinic acid as an index of lead exposure by high–performance liquid chromatography. Ogata M, et al. **Ind Health** 1986; 24(4):259–64

[Chronobiological study of the urinary excretion of delta–aminolevulinic acid in man] Botta A, et al. **Rev Med Interne** 1986 Sep;7(4):421–4 **(Fre)**

[Improved method for the determination of urinary delta–aminolevulinic acid in lead workers] Tomokuni K, et al. **Sangyo Igaku** 1986 Mar;28(2):114–8 (Eng. Abstr.) **(Jpn)**

VETERINARY

Hematological evaluation of lead intoxication in mallards. Mautino M, et al. **Bull Environ Contam Toxicol** 1987 Jan; 38(1):78–85

Ingested lead shot in northern red–billed whistling ducks (Dendrocygna autumnalis) and northern pintails (Anas acuta) in Sinaloa, Mexico. Estabrooks SR. **J Wildl Dis** 1987 Jan;23(1):169

Paint chip poisoning of Laysan albatross at Midway Atoll. Sileo L, et al. **J Wildl Dis** 1987 Jul;23(3):432–7

Lead poisoning in Canada geese on Plum Island, Massachusetts. Windingstad RM, et al. **J Wildl Dis** 1987 Jul;23(3):438–42

Lead poisoning: closer liaison between medical and veterinary investigators [letter] Koh TS. **Med J Aust** 1987 Mar 2;146(5):280

Lead poisoning in cattle. Baker JC. **Vet Clin North Am [Food Anim Pract]** 1987 Mar;3(1):137–47 (30 ref.)

Lead poisoning in a partridge (Perdix perdix) after ingestion of gunshot. Keymer IF, et al. **Vet Rec** 1987 Mar 21; 120(12):276–7

Surgical treatment of lead poisoning in a mute swan (Cygnus olor). Poole C. **Vet Rec** 1986 Nov 15;119(20):501–2

[Determination of delta aminolevulinic acid in the urine of cows in acute mass lead poisoning] Szabóová E, et al. **Vet Med (Praha)** 1987 May;32(5):269–78 (Eng. Abstr.) **(Slo)**

[Urinary delta–aminolevulinic acid levels in dairy cows during lead loading from feed rations under normal conditions of rearing in the Western Slovakia Region] Szabóová E, et al. **Vet Med (Praha)** 1986 Nov;31(11):659–68 (Eng. Abstr.) **(Slo)**

LEADER SIGNAL PEPTIDES see **SIGNAL PEPTIDES**

LEADERSHIP

Women in leadership roles: development and challenges. Nadelson CC. **Adolesc Psychiatry** 1987;14:28–47

Progressive leadership [editorial] Zellmer WA. **Am J Hosp Pharm** 1986 Sep;43(9):2157

Leadership in nursing. McCloskey JC, et al. **Annu Rev Nurs Res** 1987;5:177–202 (88 ref.)

Organizational politics. Learning to play the corporate game. Carr EM. **AORN J** 1986 Dec;44(6):947–9, 952–3, 956–7

A Delphi survey of traits of effective physiatric leaders. Braddom CL, et al. **Arch Phys Med Rehabil** 1986 Nov; 67(11):793–5

Potential for psychiatric leadership in health care. Eisen P. **Aust NZ J Psychiatry** 1986 Jun;20(2):107–11

An investigation of power in an interdisciplinary health care team. Drinka T, et al. **Gerontol Geriatr Educ** 1986 Spring; 6(3):43–53

HCMR interviews health care leaders. **Health Care Manage Rev** 1987 Spring;12(2):77–83

High–performing managers: leadership attributes for the 1990s. Brown M, et al. **Health Care Manage Rev** 1987 Spring;12(2):69–75

Commitment and discipline in hospitals: leadership protocols and legal precedents. Gill SL, et al. **Health Care Manage Rev** 1987 Summer;12(3):75–82

What is leadership? What's impeding it? Sabatino F. **Hospitals** 1987 May 20;61(10):52–6

Leadership needed to defend tax–exempt status. Seaver D. **Hospitals** 1987 Sep 5;61(17):96

Excellence of performance. Leadership and managerial skill improvement opportunities for radiology chairmen. Gooding CA. **Invest Radiol** 1986 Nov;21(11):881–4

Critical leadership. Iserson KV. **J Emerg Med** 1986; 4(4):335–40

Language, leadership, and power. Henry B, et al.

J Nurs Adm 1987 Jan;17(1):19–25
Being a proactive leader. Kirk R. J Nurs Adm 1987 Feb; 17(2):6–8
Use of management and ethical case studies to improve decision-making skills in senior nursing students. Huston C, et al. J Nurs Educ 1987 May;26(5):210–2
The student health center: a unique clinical experience for nursing leadership students. Lee BT, et al. J Nurs Educ 1987 Apr;26(4):175–6
The use of the seminar to teach group process and group leadership with registered nurse students at the baccalaureate level. Vande Zande GA. J Nurs Educ 1987 Jan;26(1):37–8
Live as on a mountain—leadership, the great potential. McNally JM. J Prof Nurs 1986 Nov–Dec;2(6):380–90
The relationship between professionalization of nursing faculty, leadership styles of deans, and faculty scholarly productivity. Wakefield-Fisher M. J Prof Nurs 1987 May–Jun;3(3):155–64
The efficacy of peer leaders in drug abuse prevention. Klepp KI, et al. J Sch Health 1986 Nov;56(9):407–11 (28 ref.)
Leadership functions in a work-group clique of adults with mental retardation. Padin-Rivera E, et al. Ment Retard 1986 Dec;24(6):339–45
The matter of leadership. Zambito RF. NY J Dent 1986 Nov; 56(6):230–2
A study of alternating leadership for group psychotherapy in an aftercare clinic. Levin D, et al.
Perspect Psychiatr Care 1985;23(1):33–8
A 10-year freshman support group program: leader review. Rosenberg PP. Proc Annu Conf Res Med Educ 1984; 23:263–8
[The effects of leader saliency and group performance on followers' perception of leader behavior] Furukawa H.
Shinrigaku Kenkyu 1986 Jun;57(2):68–74 (Eng. Abstr.) (Jpn)
[The Tavistock conferences on group relationships. A different training for leadership and organization] Karterud S, et al. Tidsskr Nor Laegeforen 1986 Dec 10; 106(34–36):3004–7 (Eng. Abstr.) (Nor)
[Leadership in the health services] Neri A.
Educ Med Salud 1986;20(4):442–7 (Eng. Abstr.) (Spa)

LEARNED HELPLESSNESS see HELPLESSNESS, LEARNED

LEARNING

Statistical mixture decomposition as a method for type analysis of learning curves. Wackermann J, et al.
Act Nerv Super (Praha) 1986 Dec;28(4):247–54
How to use the Mann–Whitney test to detect a change in distribution for groups. Pacut A.
Acta Neurobiol Exp (Warsz) 1987;47(1):19–26
State-dependent learning and drug discriminative control of behaviour: an overview. Järbe TU.
Acta Neurol Scand [Suppl] 1986;109:37–59 (135 ref.)
Serial examination of the normal visual field using Octopus automated projection perimetry. Evidence for a learning effect. Wood JM, et al. Acta Ophthalmol (Copenh) 1987 Jun;65(3):326–33
Cyclic AMP and learning in Drosophila. Dudai Y.
Adv Cyclic Nucleotide Protein Phosphorylation Res 1986; 20:343–61 (99 ref.)
Encoding, storage, and retrieval components of associative memory deficits of mildly mentally retarded adults. Gutowski WE, et al. Am J Ment Defic 1987 Jul;92(1):85–93
Learning to swallow again. Griffin CW, et al.
Am J Nurs 1987 Mar;87(3):314–7
Transplantation of nucleus basalis magnocellularis cholinergic neurons into the cholinergic-depleted cerebral cortex. Morphological and behavioral effects. Arendash GW, et al. Ann NY Acad Sci 1987;495:431–43
Receptor characteristics and behavioral consequences of kainic acid lesions and fetal transplants of the striatum. Deckel AW, et al. Ann NY Acad Sci 1987;495:556–80
Biological effects of anti-brain antibodies. Electrophysiological, immunochemical, and behavioral aspects. Shtark MB, et al. Ann NY Acad Sci 1987; 496:405–15
Adult learning principles. Applications for preceptor programs. Ammon-Gaberson KB. AORN J 1987 Apr; 45(4):961–3
Observations on diagnostic skills in paediatric medicine and their perceived learning. Menahem S. Aust Paediatr J 1987 Apr;23(2):105–9
Contingency learning and causal detection in Hermissenda: I. Behavior. Farley J. Behav Neurosci 1987 Feb; 101(1):13–27
The role of learning history in current sick-role behavior and assertion. Moss RA. Behav Res Ther 1986;24(6):681–3
Interactive videodiscs in the life sciences: the use of 'generic' discs in the teaching of cell biology. Thomson I, et al. Biochem Soc Trans 1987 Jun;15(3):354–6
Modeling of control and learning in a stepping motion. Flashner H, et al. Biol Cybern 1987;55(6):387–96
Disjunctive models of Boolean category learning. Hampson SE, et al. Biol Cybern 1987;56(2–3):121–37
Learning and using specific instances. Volper DJ, et al.
Biol Cybern 1987;57(1–2):57–71
"Unlearning" increases the storage capacity of content addressable memories. Kleinfeld D, et al. Biophys J 1987 Jan;51(1):47–53
Mother-child dialogues: considerations of cognitive complexity for young language learning children. Conti-Ramsden G, et al. Br J Disord Commun 1986 Aug; 21(2):245–55
Students' approaches to learning in an innovative medical school: a cross-sectional study. Clarke RM.
Br J Educ Psychol 1986 Nov;56 (Pt 3):309–21
Children's learning and transfer of inductive reasoning rules: studies of proximal development. Ferrara RA, et al.
Child Dev 1986 Oct;57(5):1087–99
The learning characteristics of nursing students and computer assisted instruction. An exploratory study. Paulanka BJ.
Comput Nurs 1986 Nov–Dec;4(6):246–54
Simulation in familiarizing older people with an unknown building. Hunt ME, et al. Gerontologist 1987 Apr; 27(2):169–75
Training consistent task components: application of automatic and controlled processing theory to industrial task training. Myers GL, et al. Hum Factors 1987 Jun;29(3):255–68
Part-task training strategies in simulated carrier landing final-approach training. Wightman DC, et al.
Hum Factors 1987 Jun;29(3):245–54
Implicit expressions of memory in organic amnesia: learning of new facts and associations. Schacter DL.
Hum Neurobiol 1987;6(2):107–18
Adams' closed-loop concept of learning and motor performance: its application in behavioural kinesiology and patients' education in rehabilitation. Olaogun MO.
Int J Rehabil Res 1986;9(3):231–8
Possible involvement of adenylate cyclase in learning and short-term memory. Experimental data and some theoretical considerations. Yovell Y, et al.
Isr J Med Sci 1987 Jan–Feb;23(1–2):49–60
Maturation and learning. Symposium. Milan, 4–5 October 1985. Ital J Neurol Sci 1986 Apr;Suppl 5:1–168
Incidental learning, distraction, and sustained attention in hyperactive and control subjects. Aman MG, et al.
J Abnorm Child Psychol 1986 Sep;14(3):441–55
Towards an epistemological basis for experiential learning in nurse education. Burnard P. J Adv Nurs 1987 Mar; 12(2):189–93
Response to using cooperative learning strategies to teach nutrition. Ford SM. J Am Diet Assoc 1987 Sep;87(9 Suppl):S62
Using cooperative learning strategies to teach nutrition. Johnson DW, et al. J Am Diet Assoc 1987 Sep;87(9 Suppl):S55–61
A response to LIFESTEPS: Weight Management: the use of adult education research in teaching nutrition. Ross S.
J Am Diet Assoc 1987 Sep;87(9 Suppl):S29–32
Drives, affects, behavior—and learning: approaches to a psychobiology of emotion and to an integration of psychoanalytic and neurobiologic thought. Schwartz A.
J Am Psychoanal Assoc 1987;35(2):467–506
Social identification of toxic diets by Norway rats (Rattus norvegicus). Galef BG Jr. J Comp Psychol 1986 Dec; 100(4):331–4
Visits to starts, routes, and places by rats (Rattus norvegicus) in swimming pool navigation tasks. Whishaw IQ, et al.
J Comp Psychol 1986 Dec;100(4):422–31
A four-year longitudinal study of dental student learning styles. Hendricson WD, et al. J Dent Educ 1987 Apr; 51(4):175–81
A comparison of two- and three-dimensional exercises in the acquisition of mirror vision skills. Willis DO, et al.
J Dent Educ 1987 Apr;51(4):190–1
Motor correlates of learning behaviour: feeding on novel prey by pumpkinseed sunfish (Lepomis gibbosus). Wainwright PC. J Exp Biol 1986 Nov;126:237–47
Form cues and content difficulty as determinants of children's cognitive processing of televised educational messages. Campbell TA, et al. J Exp Child Psychol 1987 Jun; 43(3):311–27
Paired associate learning in reading-disabled children: evidence for a rule-learning deficiency. Manis FR, et al.
J Exp Child Psychol 1987 Feb;43(1):25–43
Malleability of conditioned associations: path dependence. Brown-Su AM, et al. J Exp Psychol [Anim Behav] 1986 Oct;12(4):420–7
Associative effects of US preexposure: modulation of conditioned responding by an excitatory training context. Matzel LD, et al. J Exp Psychol [Anim Behav] 1987 Jan; 13(1):65–72
Induction of category distributions: a framework for classification learning. Fried LS, et al.
J Exp Psychol [Learn Mem Cogn] 1984 Apr;10(2):234–57
Automatic activation of episodic information in a semantic memory task. McKoon G, et al.
J Exp Psychol [Learn Mem Cogn] 1986 Jan;12(1):108–15
Attention and learning processes in the identification and categorization of integral stimuli. Nosofsky RM.
J Exp Psychol [Learn Mem Cogn] 1987 Jan;13(1):87–108
Representation of linear orders. Taylor DA, et al.
J Exp Psychol [Learn Mem Cogn] 1984 Jan;10(1):61–71
A test of the cognitive social learning model of type A behavior. Matteson MT, et al. J Human Stress 1987 Spring; 13(1):23–31
Comparison of computer-assisted and seminar learning of electrocardiogram interpretation by third-year students. Fincher RM, et al. J Med Educ 1987 Aug;62(8):693–5
Attitudes toward learning styles and self-direction of ADN students. Ferrell B. J Nurs Educ 1978 Feb;17(2):19–22
Small group work: a strategy to promote active learning. Fontes HC. J Nurs Educ 1987 May;26(5):212–4
Learning of psychomotor skills: laboratory versus patient care setting. Gomez GE, et al. J Nurs Educ 1987 Jan; 26(1):20–4
Adult education: its implications for baccalaureate nursing education. Raudonis BM. J Nurs Educ 1987 Apr; 26(4):164–6
Autonomy in children's learning: an experimental and individual difference investigation. Grolnick WS, et al.
J Pers Soc Psychol 1987 May;52(5):890–8
Carry the water to the desert. Higgs ZR. J Prof Nurs 1985 Jul–Aug;1(4):217–20
Retroactive and proactive interference effects in dual learning of blissymbolics and manual sign. Luftig RL, et al. J Psycholinguist Res 1986 Nov;15(6):509–23
Celebrate life! A learning style-based mental health curriculum. Pituch MJ, et al. J Sch Health 1986 Dec; 56(10):450–2
A taxonomy of problem-based learning methods. Barrows HS. Med Educ 1986 Nov;20(6):481–6
Another look at career choice and learning preferences. Jewett LS, et al. Med Educ 1987 May;21(3):244–9
Students' approaches to studying in four medical schools. Mårtenson DF. Med Educ 1986 Nov;20(6):532–4
The uniqueness of human learning. Davis DD.
Med Hypotheses 1986 Oct;21(2):153–64
Learning styles in first year medical students. Chessell G.
Med Teach 1986;8(2):125–35
A celebration of connectionism [news] North G. Nature 1987 Jul 9–15;328(6126):107
Time course of short-term memory depends on associative events. Menzel R, et al. Naturwissenschaften 1986 Sep; 73(9):564–5
Classical conditioning in 3-, 30-, and 45-month-old rabbits: behavioral learning and hippocampal unit activity. Woodruff-Pak DS, et al. Neurobiol Aging 1987 Mar–Apr; 8(2):101–8
Implicit learning in patients with probable Alzheimer's disease. Knopman DS, et al. Neurology 1987 May; 37(5):784–8
Does television affect learning and school performance? Strasburger VC. Pediatrician 1986;13(2–3):141–7
Effect on gait of motor task learning acquired in a sitting position. Seitz RH, et al. Phys Ther 1987 Jul;67(7):1089–94
Change in medical student learning styles: a four year prospective study. Wentz S, et al.
Proc Annu Conf Res Med Educ 1986;25:313–8
Individual learning style: the development of a reliable measure. Witzke DB, et al.
Proc Annu Conf Res Med Educ 1984;23:97–102
Neural networks that learn temporal sequences by selection. Dehaene S, et al. Proc Natl Acad Sci USA 1987 May; 84(9):2727–31
Cerebellar GABAergic processes: evidence for critical involvement in a form of simple associative learning in the rabbit. Mamounas LA, et al. Proc Natl Acad Sci USA 1987 Apr;84(7):2101–5
The behavioral schema: an integration of modes of learning. Olds DD. Psychiatry 1987 May;50(2):112–25
Assessment of covariation by humans and animals: the joint influence of prior expectations and current situational information. Alloy LB, et al. Psychol Rev 1984 Jan; 91(1):112–49
Learned food aversion: a component of anorexia syndromes. Bernstein IL, et al. Psychol Rev 1986 Oct;93(4):462–72 (104 ref.)
Adult learners: are they really different? Seubert JE.
Radiol Technol 1982 Sep–Oct;54(1):28–33
An integrated model of learning. Trigg AM, et al.
Radiol Technol 1987 May–Jun;58(5):431–6
Student learning styles and approaches to studying—the gender factor [letter] Gledhill RF, et al. S Afr Med J 1987 Jul 18;72(2):162
Japanese quail can learn phonetic categories. Kluender KR, et al. Science 1987 Sep 4;237(4819):1195–7
The significance of minor defects of visual acuity in school children: implications for screening and treatment. Stewart-Brown SL, et al. Trans Ophthalmol Soc UK 1986; 105 (Pt 3):287–95
Principles of learning. Voith VL.
Vet Clin North Am [Equine Pract] 1986 Dec;2(3):485–506
Learning and the training of farm animals. Kilgour R.
Vet Clin North Am [Food Anim Pract] 1987 Jul;3(2):269–84 (86 ref.)
[An approach to hygienic standards of learning work loads for students] Wei SQ, et al.
Hua Hsi I Ko Ta Hsueh Hsueh Pao 1986 Sep;17(3):205–8 (Eng. Abstr.) (Chi)
[The development of water maze-learning ability in rats. (2) Effect of pretraining with the water-filled straight channel] Hasegawa N, et al. Jikken Dobutsu 1987 Apr;36(2):163–8 (Eng. Abstr.) (Jpn)
[The gait of robots] Nakano K. Nippon Rinsho 1987 Feb; 45(2):339–44 (4 ref.) (Jpn)
[Learned movement] Sasaki K. Nippon Rinsho 1987 Feb; 45(2):327–32 (Jpn)
[The effects of self-evaluative responses with feedback in learning] Ishida S. Shinrigaku Kenkyu 1987 Feb;57(6):372–8 (Eng. Abstr.) (Jpn)
[Dynamics of the mental capacity of 6-year-old children

during learning activities] Matveeva NA, et al. **Gig Sanit** 1986 Sep;(9):33–5 (Eng. Abstr.) **(Rus)**

[Asymmetry of movement direction of Myrmica rubra ants during maze learning motivated by food] Udalova GP, et al. **Zh Vyssh Nerv Deiat** 1986 Jul–Aug;36(4):707–14 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of meclofenoxate on learning and memory—dependence on the experimental conditions. Mosharrof AH, et al. **Acta Physiol Pharmacol Bulg** 1986; 12(3):7–14

Acute effects of some drugs on the higher nervous activity in man. An interaction of physostigmine (1.0 mg) and scopolamine (0.6 mg applied 15 and 30 minutes after physostigmine). Part LV. Hrbek J, et al. **Acta Univ Palacki Olomuc Fac Med** 1986;115:31–72

Chlordiazepoxide, an anxiolytic benzodiazepine, impairs place navigation in rats. McNaughton N, et al. **Behav Brain Res** 1987 Apr;24(1):39–46

Epinephrine-induced learning under anesthesia: retention performance at several training–testing intervals. Gold PE, et al. **Behav Neurosci** 1985 Oct;99(5):1019–22

Cortical cholinergic impairment and behavioral deficits produced by kainic acid lesions of rat magnocellular basal forebrain. Lerer B, et al. **Behav Neurosci** 1985 Aug; 99(4):661–77

Cholinergic receptor blockade in the rat impairs locale but not taxon strategies for place navigation in a swimming pool. Whishaw IQ. **Behav Neurosci** 1985 Oct; 99(5):979–1005

The effects of peripheral D-amphetamine, 4-OH amphetamine, and epinephrine on maintained discharge in the locus coeruleus with reference to the modulation of learning and memory by these substances. Holdefer RN, et al. **Brain Res** 1987 Aug 4;417(1):108–17

Amphetamine reverses learning deficits in 6-hydroxydopamine-treated rat pups. Wool RS, et al. **Dev Psychobiol** 1987 Mar;20(2):219–32

Mental rehearsal of a task before or after ethanol: tolerance facilitating effects. Sdao-Jarvie K, et al. **Drug Alcohol Depend** 1986 Sep;18(1):23–30

Effect of acetyl-L-carnitine on conditioned reflex learning rate and retention in laboratory animals. Bossoni G, et al. **Drugs Exp Clin Res** 1986;12(11):911–6

Non-associative learning in the mouse. Effect of morphine and naloxone. Torre E, et al. **Funct Neurol** 1986 Jul–Sep; 1(3):279–84

Effects of alpha-MSH, TRH and AVP on learning and memory, pain threshold, and motor activity: preliminary results. Yehuda S. **Int J Neurosci** 1987 Feb;32(3–4):703–9

Effects of dietary fats on learning, pain threshold, thermoregulation and motor activity in rats: interaction with the length of feeding period. Yehuda S, et al. **Int J Neurosci** 1987 Feb;32(3–4):919–25

Animal and clinical studies of vasopressin effects on learning and memory. Hamburger-Bar R, et al. **Isr J Med Sci** 1987 Jan–Feb;23(1–2):12–8

Effects of theophylline on learning and behavior: reason for concern or concern without reason? Weinberger M, et al. **J Pediatr** 1987 Sep;111(3):471–4 (44 ref.)

Learning enhancement and behavioral arousal induced by yohimbine. Huang MS, et al. **Life Sci** 1987 Aug 31; 41(9):1083–8

Effects of meclofenoxate and Extr. Rhodiolae roseae L. on electroconvulsive shock-impaired learning and memory in rats. Lazarova MB, et al. **Methods Find Exp Clin Pharmacol** 1986 Sep;8(9):547–52

Difference in learning and retention by Albino-Swiss mice. Part IV. Effect of some nutrients. Valzelli L, et al. **Methods Find Exp Clin Pharmacol** 1987 Jan;9(1):5–8

Participation of angiotensin II in learning and memory. III. Interactions of angiotensin II with GABAergic drugs. Yonkov D, et al. **Methods Find Exp Clin Pharmacol** 1987 Apr;9(4):205–8

Some considerations of different modes of action of nootropic drugs. Sarter M. **Neuropsychobiology** 1986;15(3–4):192–200

Effects of benzodiazepines on acquisition and performance: a critical assessment. Cole SO. **Neurosci Biobehav Rev** 1986 Fall;10(3):265–72 (106 ref.)

Behavior abnormalities and poor school performance due to oral theophylline use. Rachelefsky GS, et al. **Pediatrics** 1986 Dec;78(6):1133–8

Time-response analysis of the effect of stimulant medication on the learning ability of children referred for hyperactivity. Swanson J, et al. **Pediatrics** 1978 Jan; 61(1):21–9

Effects of the dopamine D-2 receptor agonist, LY 171555, on radial arm maze performance in rats. Levin ED, et al. **Pharmacol Biochem Behav** 1986 Nov;25(5):1117–9

Neonatal exposure to a high level of ACTH4-10 impairs adult learning performance. McGivern RF, et al. **Pharmacol Biochem Behav** 1987 May;27(1):133–42

The effect of ethanol and sex on radial arm maze performance in rats. Maier DM, et al. **Pharmacol Biochem Behav** 1986 Oct;25(4):703–9

Studies on desglycinamide arginine vasopressin and scopolamine in a modified/lever-touch autoshaping model of learning/memory in rats. Mundy WR, et al. **Pharmacol Biochem Behav** 1987 Jun;27(2):307–15

Scopolamine impairs learning performance of rats in a 14-unit T-maze. Spangler EL, et al. **Pharmacol Biochem Behav** 1986 Sep;25(3):673–9

Effects of chronic diisopropylfluorophosphate treatment on spatial learning in mice. Upchurch M, et al. **Pharmacol Biochem Behav** 1987 May;27(1):143–51

Co-dergocrine, cerebral glucose utilization and maze performance in middle-aged rats. Walovitch RC, et al. **Pharmacol Biochem Behav** 1987 Jan;26(1):95–101

Effect of combined or separate administration of piracetam and choline on learning and memory in the rat. Ennaceur A, et al. **Psychopharmacology (Berlin)** 1987;92(1):58–67

Pharmacological effects of morphine on brain-stimulation reward [letter] Izenwasser SE, et al. **Psychopharmacology (Berlin)** 1987;93(1):136–7

Effects of arecoline and pilocarpine on learning ability in marmosets pretreated with hemicholinium-3. Ridley RM, et al. **Psychopharmacology (Berlin)** 1987;91(4):512–4

Magnesium pemoline and human performance. Cameron DE. **Science** 1967 Aug 25;157(3791):958–9

[Influence of cigarette nicotine on learning and memory of mice] Liang XY, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jan;7(1):16–8 (Eng. Abstr.) **(Chi)**

[Pharmacological action of Astragalus membranaceus on the central nervous system in mice] Pan SY. **Chung Yao Tung Pao** 1986 Sep;11(9):47–9 **(Chi)**

[Recent progress in the pharmacology of learning and memory in China] Zhang JT. **Yao Hsueh Hsueh Pao** 1986 Aug;21(8):636–40 (28 ref.) **(Chi)**

[Anti-amnesic effect of prolyl endopeptidase inhibitors in mice] Nanri M, et al. **Nippon Yakurigaku Zasshi** 1987 Jun; 89(6):323–9 (Eng. Abstr.) **(Jpn)**

[Effects of maternal alcohol exposure during gestation and/or lactation periods on radial-maze learning in offspring rats] Iwasaki T. **Yakubutsu Seishin Kodo** 1986 Sep;6(3):319–25 (Eng. Abstr.) **(Jpn)**

[Spontaneous motor activity and radial-maze learning in rats neonatally treated with 6-hydroxydopamine] Iwasaki T, et al. **Yakubutsu Seishin Kodo** 1986 Dec;6(4):381–8 (Eng. Abstr.) **(Jpn)**

[Ability of reversible cholinesterase inhibitors to support dissociative learning] Azarashvili AA, et al. **Farmakol Toksikol** 1987 May-Jun;50(3):27–9 (Eng. Abstr.) **(Rus)**

[Effect of beta-endorphin on the processes of learning and memory] Riga TN, et al. **Izv Akad Nauk SSSR [Biol]** 1986 Sep–Oct;(5):697–703 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Protein phosphorylation and associative learning in Hermissenda. Neary JT, et al. **Acta Biochim Biophys Hung** 1986;21(3):159–76 (62 ref.)

Neostriatal lesions impaired rats' delayed alternation performance in a T-maze but not in a two-key operant chamber. Mogensen J, et al. **Acta Neurobiol Exp (Warsz)** 1987;47(1):45–54

A comparison of the effects of epilepsy and ageing on learning and hippocampal physiology. Mellanby JH. **Acta Neurol Scand [Suppl]** 1986;109:123–8

A neuroanatomic perspective on state-dependent learning: the role of the striatum. Reus VI. **Acta Neurol Scand [Suppl]** 1986;109:31–6 (43 ref.)

A neuropsychological hypothesis explaining posttraumatic stress disorders. Kolb LC. **Am J Psychiatry** 1987 Aug; 144(8):989–95

Experiential influences on hormonally dependent ring dove parental care. Michel GF. **Ann NY Acad Sci** 1986; 474:158–69 (54 ref.)

Learning deficit in Parkinson's disease. Comparison with Alzheimer's disease and normal aging. el-Awar M, et al. **Arch Neurol** 1987 Feb;44(2):180–4

Motor learning: nonspecific subcortical mechanisms in rats. Thompson R, et al. **Arch Phys Med Rehabil** 1987 Jul; 68(7):419–22

Is increase in post-learning paradoxical sleep modified by cueing? Hennevin E, et al. **Behav Brain Res** 1987 Jun; 24(3):243–9

Hippocampal, granule cell and CA3-4 lesions impair formation of a place learning-set in the rat and induce reflex epilepsy. Whishaw IQ. **Behav Brain Res** 1987 Apr; 24(1):59–72

Performance of normal and neurological mutant mice on radial arm maze and active avoidance tasks. Goldowitz D, et al. **Behav Neural Biol** 1986 Sep;46(2):216–26

Training and testing determinants of short-term associative suppression of phototaxic behavior in Hermissenda. Grover L, et al. **Behav Neural Biol** 1987 May;47(3):275–306

Hippocampal associative cellular responses: dissociation with behavioral responses revealed by a transfer-of-control technique. Laroche S, et al. **Behav Neural Biol** 1987 May; 47(3):356–68

Associatively reduced withdrawal from shadows in Hermissenda: a direct behavioral analog of photoreceptor responses to brief light steps. Lederhendler II, et al. **Behav Neural Biol** 1987 May;47(3):227–49

Memory persistence of rats in a radial maze varies with training procedure. Strijkstra AM, et al. **Behav Neural Biol** 1987 Mar;47(2):158–66

Associative learning modifies startle reflexes at the lateral lemniscus. Berg WK, et al. **Behav Neurosci** 1985 Apr; 99(2):191–9

Orienting response and detection of thalamic stimulation: mechanism of perceptual learning in the cat. Bourassa CM, et al. **Behav Neurosci** 1985 Apr;99(2):381–4

Contingency learning and causal detection in Hermissenda: II. Cellular mechanisms. Farley J. **Behav Neurosci** 1987 Feb;101(1):28–56

Implicating causal relations between cellular function and learning behavior. Lederhendler I, et al. **Behav Neurosci** 1986 Dec;100(6):833–8 (33 ref.)

Consequences of serial cortical, hippocampal, and thalamic lesions and of different lengths of overtraining on the acquisition and retention of learning tasks. Markowitsch HJ, et al. **Behav Neurosci** 1985 Apr;99(2):233–56

Involvement of the amygdala in learning and memory: a critical review, with emphasis on anatomical relations. Sarter M, et al. **Behav Neurosci** 1985 Apr;99(2):342–80 (384 ref.)

Event-related potentials (ERPs) in a learning and memory test. Mäntysalo S, et al. **Biol Psychol** 1986 Aug;23(1):1–20

How does the limbic system assist motor learning? A limbic comparator hypothesis. Brooks VB. **Brain Behav Evol** 1986; 29(1–2):29–53 (87 ref.)

Selective lesioning of forebrain noradrenaline neurons at birth abolishes the improved maze learning performance induced by rearing in complex environment. Mohammed AK, et al. **Brain Res** 1986 Nov 19;398(1):6–10

Ganglioside-induced enhancement of behavioral recovery after bilateral lesions of the entorhinal cortex. Ramirez JJ, et al. **Brain Res** 1987 Jun 23;414(1):85–90

Long-lasting potentiation of synaptic potentials in the motor cortex produced by stimulation of the sensory cortex in the cat: a basis of motor learning. Sakamoto T, et al. **Brain Res** 1987 Jun 16;413(2):360–4

Neuronal plasticity in the mammalian brain: relevance to behavioral learning and memory. Teyler TJ, et al. **Child Dev** 1987 Jun;58(3):698–712

Left-handedness and learning. Gordon N. **Dev Med Child Neurol** 1986 Oct;28(5):656–61

Ontogenesis of trace conditioning in young rats: dissociation of associative and memory processes. Moye TB, et al. **Dev Psychobiol** 1987 Jul;20(4):405–14

Exploratory behavior, learning ability, and thyroid hormonal responses to stress in female rats rehabilitating from postnatal hypothyroidism. Tamasy V, et al. **Dev Psychobiol** 1986 Nov;19(6):537–53

Neural correlates of encoding in an incidental learning paradigm. Paller KA, et al. **Electroencephalogr Clin Neurophysiol** 1987 Oct; 67(4):360–71

Appetitive learning by old mice. Warren JM. **Exp Aging Res** 1986 Summer;12(2):99–105

Further observations on the occurrence of express-saccades in the monkey. Boch R, et al. **Exp Brain Res** 1986; 63(3):487–94

Spatial learning and memory following fimbria-fornix transection and grafting of fetal septal neurons to the hippocampus. Nilsson OG, et al. **Exp Brain Res** 1987; 67(1):195–215

Adult and embryonic frontal cortex transplants after frontal cortex ablation enhance recovery on a reinforced alternation task. Kesslak JP, et al. **Exp Neurol** 1986 Dec; 94(3):615–26

Anthropometrically determined nutritional status and the school performance of black urban primary school children. Wagstaff L, et al. **Hum Nutr Clin Nutr** 1987 Jul; 41(4):277–86

A neuronal network model of associative memory and a brain theory. Yang XD. **Int J Neurosci** 1987 May;34(1–2):63–84

Nutrients, brain biochemistry, and behavior: a possible role for the neuronal membrane. Yehuda S. **Int J Neurosci** 1987 Jul;35(1–2):21–36 (121 ref.)

Otitis media with effusion and academic attainment. Brooks DN. **Int J Pediatr Otorhinolaryngol** 1986 Nov;12(1):39–47

Dietary restriction benefits learning and motor performance of aged mice. Ingram DK, et al. **J Gerontol** 1987 Jan; 42(1):78–81

Changes in subcellular distribution of ependymins in goldfish brain induced by learning. Schmidt R. **J Neurochem** 1987 Jun;48(6):1870–8

Are the structural changes in adult Drosophila mushroom bodies memory traces? Studies on biochemical learning mutants. Balling A, et al. **J Neurogenet** 1987 Apr; 4(2–3):65–73

Task-related responses of monkey medullary dorsal horn neurons. Duncan GH, et al. **J Neurophysiol** 1987 Jan; 57(1):289–310

In vitro associative conditioning of Hermissenda: cumulative depolarization of type B photoreceptors and short-term associative behavioral changes. Farley J, et al. **J Neurophysiol** 1987 Jun;57(6):1639–68

Single-cell neuronal model for associative learning. Gingrich KJ, et al. **J Neurophysiol** 1987 Jun;57(6):1705–15

Preserved motor learning in Alzheimer's disease: implications for anatomy and behavior. Eslinger PJ, et al. **J Neurosci** 1986 Oct;6(10):3006–9

Development of learning and memory in Aplysia. III. Central neuronal correlates. Nolen TG, et al. **J Neurosci** 1987 Jan; 7(1):144–53

Development of learning and memory in Aplysia. II. Habituation and dishabituation. Rankin CH, et al. **J Neurosci** 1987 Jan;7(1):133–43

Monkey hippocampus and learning about spatially directed movements. Rupniak NM, et al. **J Neurosci** 1987 Aug; 7(8):2331–7

The neuroanatomical and neurophysiological basis of

learning. Boss BJ. **J Neurosci Nurs** 1986 Oct;18(5):256–64
Chunking by a pigeon in a serial learning task. Terrace HS. **Nature** 1987 Jan 8–14;325(7000):149–51
Conditional associative learning in drug-free schizophrenic patients. Kemali D, et al. **Neuropsychobiology** 1987; 17(1–2):30–4
Korsakoff and alcoholic subjects are severely impaired in animal tasks of associative memory. Kessler J, et al. **Neuropsychologia** 1986;24(5):671–80
Specific and nonspecific neuronal mechanisms of learning. Gasanov UG. **Neurosci Behav Physiol** 1986 Nov–Dec; 16(6):453–8
Synaptic plasticity, memory, and learning. In memory of the late Dr. Nakaakira Tsukahara. **Neurosci Res** 1986 Sep; 3(6):469–697
Molecular kinetic modelling of associative learning. Aszódi A, et al. **Neuroscience** 1987 Jul;22(1):37–48
Iron and learning [letter] Birkbeck JA. **NZ Med J** 1986 Dec 10;99(815):963
Language disorders in childhood and adolescence: implications for learning and socialization. Bashir AS, et al. **Pediatr Ann** 1987 Feb;16(2):145–56
Synthesis of rat brain DNA during acquisition of an appetitive task. Giuditta A, et al. **Pharmacol Biochem Behav** 1986 Sep;25(3):651–8
Forebrain norepinephrine and neurobehavioral plasticity: neonatal 6-hydroxydopamine eliminates enriched-impoverished experience effects on maze performance. Pappas BA, et al. **Pharmacol Biochem Behav** 1987 May;27(1):153–8
Behavioral correlates of vitamin D deficiency. Altemus KL, et al. **Physiol Behav** 1987;39(4):435–40
Sex differences in response rates during random ratio acquisition: effects of gonadectomy. Heinsbroek RP, et al. **Physiol Behav** 1987;39(2):269–72
Influence of electroconvulsive shock and naloxone on acquisition and retention of a spatial navigation task in rats. Holzhäuer MS, et al. **Physiol Behav** 1986 Oct;38(4):551–6
Effects of selective lesions of fimbria–fornix on learning set in the rat. M'Harzi M, et al. **Physiol Behav** 1987;40(2):181–8
The Hebb–Williams test to assess recovery of learning after limbic lesions in mice. Meunier M, et al. **Physiol Behav** 1986;37(6):909–13
Age-related changes in learning and memory in the senescence-accelerated mouse (SAM). Miyamoto M, et al. **Physiol Behav** 1986;38(3):399–406
Hippocampal substrate of sensory associations. Port RL, et al. **Physiol Behav** 1987;39(5):643–7
Cellular analysis of associative learning. Byrne JH. **Physiol Rev** 1987 Apr;67(2):329–439 (704 ref.)
Molecular analysis of cDNA clones and the corresponding genomic coding sequences of the Drosophila dunce+ gene, the structural gene for cAMP phosphodiesterase. Chen CN, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9313–7
Long-term modulation of Ca2+-stimulated autophosphorylation and subcellular distribution of the Ca2+/calmodulin-dependent protein kinase in the brain of Drosophila. Willmund R, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9789–93
Convergence of small molecule and peptide transmitters on a common molecule cascade. Castellucci VF, et al. **Prog Brain Res** 1986;68:83–102 (76 ref.)
Physiological plasticity in auditory cortex: rapid induction by learning. Weinberger NM, et al. **Prog Neurobiol** 1987; 29(1):1–55 (249 ref.)
Modeling the neural substrates of associative learning and memory: a computational approach. Gluck MA, et al. **Psychol Rev** 1987 Apr;94(2):176–91
The time course of neuroleptic therapy for psychosis: role of learning processes and implications for concepts of psychotic illness. Miller R. **Psychopharmacology (Berlin)** 1987;92(4):405–15 (104 ref.)
Multiple P3s to emotional stimuli and their theoretical significance. Johnston VS, et al. **Psychophysiology** 1986 Nov;23(6):684–94
Allocentric spatial learning by hippocampectomised rats: a further test of the "spatial mapping" and "working memory" theories of hippocampal function. Morris RG, et al. **Q J Exp Psychol [B]** 1986 Nov;38(4):365–95
Ethanol intoxication and memory. Recent developments and new directions. Lister RG, et al. **Recent Dev Alcohol** 1987; 5:111–26 (81 ref.)
Neural models yield data on learning [news] Barnes DM. **Science** 1987 Jun 26;236(4809):1628–9
A physiological basis for a theory of synapse modification. Bear MF, et al. **Science** 1987 Jul 3;237(4810):42–8
Neurochemical specificity of learning: dopamine and motor learning. McEntee WJ, et al. **Yale J Biol Med** 1987 Mar–Apr;60(2):187–93
[Principles of neuronal information storage. Theories, methodology, experiments] Matthies H. **Z Psychol** 1986; 194(3):285–92 (Eng. Abstr.) **(Ger)**
[Effects of learning experiences on the shift of hemispheric functional asymmetry] Yoshizaki K. **Shinrigaku Kenkyu** 1986 Apr;57(1):35–8 (Eng. Abstr.) **(Jpn)**
[Dissociative state in rats induced by ethanol and possibilities of the pharmacological correction of this phenomenon] Vrublevskiĭ AG, et al. **Biull Eksp Biol Med** 1987 Aug; 104(8):187–9 (Eng. Abstr.) **(Rus)**
[Standardization of the educational load for first-grade schoolchildren with various degrees of adaptation to studying] Grebniak NP. **Gig Sanit** 1986 Nov;(11):74–5 **(Rus)**
[Dynamics of mental work capacity in schoolchildren during the learning process] Nedbaeva ND, et al. **Gig Sanit** 1987 Jun;(6):81–3 **(Rus)**
[The degree of a child's readiness for school as an instrumental factor in the progress in education and health promotion of elementary schoolchildren] Nikolosian GG, et al. **Gig Sanit** 1987 Jun;(6):12–5 (Eng. Abstr.) **(Rus)**
[Effect of participation in sports on the physical development and learning ability of school children] Rabotnikova LV. **Gig Sanit** 1987 May;(5):88–9 **(Rus)**
[Elementary neurophysiological mechanisms of learning] Voronin LL. **Usp Fiziol Nauk** 1987 Apr–Jun;18(2):76–97 (104 ref.) **(Rus)**
[Basic principles for studying the effects of neuropeptides on learning and memory processes] Kruglikov RI, et al. **Zh Vyssh Nerv Deiat** 1986 Nov–Dec;36(6):1011–20 **(Rus)**
[Endoneuronal mechanisms of reinforcement] Sokolov EN. **Zh Vyssh Nerv Deiat** 1987 May–Jun;37(3):403–7 **(Rus)**

LEARNING DISORDERS

see related
DYSLEXIA

CHEMICALLY INDUCED

Learning impairment in rats following low-level toluene exposure during brain development—a comparative study of high avoidance rats and Wistar rats. Shigeta S, et al. **Ind Health** 1986;24(4):203–11
Deficits on a spatial navigation task following prenatal exposure to ethanol. Blanchard BA, et al. **Neurotoxicol Teratol** 1987 May–Jun;9(3):253–8
Perinatal diazepam exposure: behavioral and neurochemical consequences. Lauer JA, et al. **Neurotoxicol Teratol** 1987 May–Jun;9(3):213–9
Maze learning in rats: a comparison of performance in two water mazes in progeny prenatally exposed to different doses of phenytoin. Vorhees CV. **Neurotoxicol Teratol** 1987 May–Jun;9(3):235–41
Basal forebrain infusion of HC-3 in rats: maze learning deficits and neuropathology. Hurlbut BJ, et al. **Physiol Behav** 1987;39(3):381–93
Strain difference in learning impairment in rats following lead administration during brain development. Shigeta S, et al. **Tokai J Exp Clin Med** 1986 Oct;11(4):241–7
[Epidemiologic studies of the effect of air pollutants on the ability of school children to concentrate] Hülsse C, et al. **Z Gesamte Hyg** 1987 Jun;33(6):286–8 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

Learning disabilities: medical considerations. Duane DD. **Pediatr Ann** 1987 Feb;16(2):109, 112–4
Issues in the classification of children who fail in school: categorical versus descriptive approaches. Palfrey JS, et al. **Pediatrician** 1986;13(2–3):81–8

COMPLICATIONS

Normal and learning disabled children's central auditory processing skills: an experimental test battery. Ferre JM, et al. **Ear Hear** 1986 Oct;7(5):336–43
Reading strategies in children with learning disabilities and minor neurological dysfunction. Levi G, et al. **Ital J Neurol Sci** 1986 Apr;Suppl 5:149–54
Use of depression rating instruments in developmentally and educationally delayed adolescents. Beck DC, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Jan;26(1):97–100
Do learning handicaps and headache cluster? Leviton A. **J Child Neurol** 1986 Oct;1(4):372–7
Premorbid prevalence of poor academic performance in severe head injury. Haas JF, et al. **J Neurol Neurosurg Psychiatry** 1987 Jan;50(1):52–6

DIAGNOSIS

Diagnostic aspects of underachievement in adolescents. Sugar M. **Adolesc Psychiatry** 1987;14:427–40
The maladroit adolescent: learning disorders and attentional deficits. Block RW, et al. **Adv Pediatr** 1986;33:303–29 (78 ref.)
Early identification of mental retardation. Reactions and comments. Kinsbourne M. **Ann NY Acad Sci** 1986; 477:277–84
Learning disabilities and the preschool child. A statement of the National Joint Committee on Learning Disabilities. **ASHA** 1987 May;29(5):35–8
The assessment of motor impairment in children with moderate learning difficulties. Sugden D, et al. **Br J Educ Psychol** 1987 Jun;57 (Pt 2):225–36
Learning disabilities and intelligence test results: a principal components analysis of the British Ability Scales. Elliott CD, et al. **Br J Psychol** 1987 Aug;78 (Pt 3):325–33
Aggressive behavior and learning difficulties as symptoms of depression in children. Ney P, et al. **Child Psychiatry Hum Dev** 1986 Fall;17(1):3–14
An analysis of 180 children referred to a university hospital learning disabilities service. Westman JC, et al. **Child Psychiatry Hum Dev** 1987 Summer;17(4):275–82
The medical examination of children on entry to school. The results and use of neurodevelopmental assessment. Bax M, et al. **Dev Med Child Neurol** 1987 Feb;29(1):40–55
Parental developmental assessment of 18-month-old children: reliability and predictive value. Sonnander K. **Dev Med Child Neurol** 1987 Jun;29(3):351–62
Assessment of the learning process. Meyers J, et al. **Except Child** 1986 Oct;53(2):138–44
A comparison over time of relative discrepancy scores of low achievers. O'Shea LJ, et al. **Except Child** 1986 Nov; 53(3):253–9
Brain stem evoked response in the assessment of learning disabilities. Obrzut JE, et al. **Int J Neurosci** 1987 Feb; 32(3–4):811–23
Preschoolers type of temperament as predictor of potential difficulties in cognitive functioning. Klein PS, et al. **Isr J Psychiatry Relat Sci** 1986;23(1):49–61
Yale Children's Inventory (YCI): an instrument to assess children with attentional deficits and learning disabilities. I. Scale development and psychometric properties. Shaywitz SE, et al. **J Abnorm Child Psychol** 1986 Sep; 14(3):347–64
Comparative analysis of attentional deficits in hyperactive and learning-disabled children. Tarnowski KJ, et al. **J Abnorm Psychol** 1986 Nov;95(4):341–5
Effects of age on adaptive behavior levels and academic skill levels in autistic and mentally retarded children. Ando H, et al. **J Autism Dev Disord** 1980 Jun;10(2):173–84
Blind evaluation of body reflexes and motor skills in learning disability. Freides D, et al. **J Autism Dev Disord** 1980 Jun; 10(2):159–71
"Doctor, my child isn't doing well in school" [editorial] Brumback RA. **J Child Neurol** 1986 Apr;1(2):88
Norepinephrine and dopamine metabolites and educational variables in boys with attention deficit disorder and hyperactivity. Shekim WO, et al. **J Child Neurol** 1987 Jan; 2(1):50–6
A diagnostic approach to developmental specific learning disorders. Weinberg WA, et al. **J Child Neurol** 1986 Apr; 1(2):158–72
Research note: a learning disability index (LDI) derived from the WISC-R: age differences in referred children. Tittemore JA, et al. **J Child Psychol Psychiatry** 1987 Jan; 28(1):173–80
A comparison of the WISC-R and the WAIS-R with special education students. Vance HR, et al. **J Clin Psychol** 1987 May;43(3):377–80
Learning problems in children and adolescents. Jaffe SL. **J Med Assoc Ga** 1986 Oct;75(10):603–5
Story recall and inferencing skills in language/learning-disabled and nondisabled children. Crais ER, et al. **J Speech Hear Disord** 1987 Feb;52(1):50–5
Nonverbal learning disabilities. Johnson DJ. **Pediatr Ann** 1987 Feb;16(2):133–41
Attention deficits: the diverse effects of weak control systems in childhood. Levine MD. **Pediatr Ann** 1987 Feb; 16(2):117–30
Evaluation of school performance: dyslexia and attention deficit disorder. Shaywitz SE, et al. **Pediatrician** 1986; 13(2–3):96–107
Simultaneous-successive factor structure of the WISC-R: a validation study. Conboy TJ, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 2):963–9
Teachability and behavior of learning disabled children. Bender WN. **Psychol Rep** 1986 Oct;59(2 Pt 1):471–6
[Neurologic, psychologic and logopedic follow-up of 6 to 8-year-old former premature infants with a birth weight below 1,501 g] Fritsch G, et al. **Monatsschr Kinderheilkd** 1986 Sep;134(9):687–91 (Eng. Abstr.) **(Ger)**
[Symptoms and diagnosis of partial cerebral performance disorders and minimal cerebral dysfunction] Göhring J. **Off Gesundheitswes** 1987 Jul;49(7):334–7 (Eng. Abstr.) **(Ger)**
[Partial performance weaknesses from the clinicopsychologic viewpoint and their significance for educational practice] Peusch J. **Padiatr Grenzgeb** 1986;25(5):401–4 (Eng. Abstr.) **(Ger)**

DIET THERAPY

The effect of diets rich in and free from additives on the behavior of children with hyperkinetic and learning disorders. Gross MD, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Jan;26(1):53–5

DRUG THERAPY

The effect of methylphenidate on school grades in children with attention deficit disorder without hyperactivity: a preliminary report. Famularo R, et al. **J Clin Psychiatry** 1987 Mar;48(3):112–4

ETIOLOGY

Differences in learning between hyperprolinemic mice and their congenic controls. Davis JL, et al. **Behav Neural Biol** 1987 Jul;48(1):128–37
Specific auditory perceptual dysfunction in a learning disabled child. Jerger S, et al. **Ear Hear** 1987 Apr;8(2):78–86
Minor physical anomalies and learning disability: what is the prenatal component? Marino RV, et al. **J Natl Med Assoc** 1987 Jan;79(1):37–9
Right hippocampal excision impairs learning and recall of a list of abstract designs. Jones-Gotman M. **Neuropsychologia** 1986;24(5):659–70

An update on learning disabilities [editorial] Levine MI. **Pediatr Ann** 1987 Feb;16(2):105–6, 108
Malnutrition—a neglected cause of learning failure. Galler JR. **Postgrad Med** 1986 Oct;80(5):225–8, 230
Adolescents with learning problems. Black JL. **Primary Care** 1987 Mar;14(1):203–23
[School-learning difficulties in children with bilateral congenital cataracts] Le Bourhis J, et al. **Bull Soc Ophtalmol Fr** 1985 Nov;85(11):1205–11 (Eng. Abstr.) (Fre)
[Risk factors in school learning difficulties in children of medium and low socioeconomic levels] Manterola A, et al. **Rev Chil Pediatr** 1986 Jul–Aug;57(4):318–24 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

A twin study of genetic influences on reading and spelling ability and disability. Stevenson J, et al. **J Child Psychol Psychiatry** 1987 Mar;28(2):229–47

OCCURRENCE

A cluster analysis of learning disabled children. Jorgenson CB, et al. **Int J Neurosci** 1987 Jul;35(1–2):59–63
Epidemiological comparisons of American and Dutch children: II. Behavioral/emotional problems reported by teachers for ages 6 to 11. Achenbach TM, et al. **J Am Acad Child Adolesc Psychiatry** 1987 May; 26(3):326–32
Associations of handedness with hair color and learning disabilities. Schachter SC, et al. **Neuropsychologia** 1987; 25(1B):269–76

PATHOLOGY

Abnormal carotid arteries in the velocardiofacial syndrome: a report of three cases. MacKenzie-Stepner K, et al. **Plast Reconstr Surg** 1987 Sep;80(3):347–51

PHYSIOPATHOLOGY

Concurrent validity of equilibrium tests in boys with learning disabilities with and without vestibular dysfunction. Bundy AC, et al. **Am J Occup Ther** 1987 Jan;41(1):28–34
Comparison of visual characteristics in children with and without learning difficulties. Rosner J, et al. **Am J Optom Physiol Opt** 1987 Jul;64(7):531–3
Behavioral development of boys with X chromosome aneuploidy: impact of reactive style on the educational intervention for learning deficits. Walzer S, et al. **Birth Defects** 1986;22(3):1–21
The combining of multiple hemispheric resources in learning-disabled and skilled readers' recall of words: a test of three information-processing models. Swanson HL. **Brain Cogn** 1987 Jan;6(1):41–54
Electroencephalographic characteristics of children with learning disabilities. Becker J, et al. **Clin Electroencephalogr** 1987 Apr;18(2):93–101

PREVENTION & CONTROL

Long term effects of a systems-oriented school prevention program. Cauce AM, et al. **Am J Orthopsychiatry** 1987 Jan;57(1):127–31
Sociocultural assumptions of federally sponsored Follow Through programs. Lipton JP, et al. **J Psychol** 1987 Jan; 121(1):37–50
[Viewpoints on the effectiveness of preventive examination in the kindergarten] Mecke-Schoedder L. **Off Gesundheitswes** 1987 Jul;49(7):331–3 (Eng. Abstr.) (Ger)

PSYCHOLOGY

Sleeping and dreams in learning-disabled boys. Hilakivi L. **Acta Psychiatr Scand** 1987 Jul;76(1):103–5
Underachievement and failure in college: the interaction between intrapsychic and interpersonal factors from the perspective of self psychology. Baker HS. **Adolesc Psychiatry** 1987;14:441–60
Aggression, adolescence, and schools. Berkovitz IH. **Adolesc Psychiatry** 1987;14:483–99
Cognitive and learning profiles of delinquent and learning-disabled adolescents. Meltzer LJ, et al. **Adolescence** 1986 Fall;21(83):581–91
Seventh-grade students at-risk for school failure. Stevens R, et al. **Adolescence** 1987 Summer;22(86):333–45
Marks and classroom adjustment as early indicators of mental health at age twenty. Spivack G, et al. **Am J Community Psychol** 1987 Feb;15(1):35–55
Psychological theory and the study of learning disabilities. Brown AL, et al. **Am Psychol** 1986 Oct;41(10):1059–68
Not all failures are alike: self attribution and perception of teachers' attributions for failing tests in liked versus disliked subjects. Karniol R. **Br J Educ Psychol** 1987 Feb;57 (Pt 1):21–5
Psychological and psychiatric aspects of learning difficulties. McClelland A. **Br J Hosp Med** 1986 Jul;36(1):35–6, 40–4
Home predictors of young adolescents' school behavior and academic performance. Forehand R, et al. **Child Dev** 1986 Dec;57(6):1528–33
Communication deviances: a comparison between parents of learning-disabled and normally achieving students. Ditton P, et al. **Fam Process** 1987 Mar;26(1):75–87
Family climate and anxiety in families with learning disabled boys. Margalit M, et al. **J Am Acad Child Psychiatry** 1986 Nov;25(6):841–6
If I don't know, it must not be so! [editorial] Heinsen AC. **J Am Optom Assoc** 1987 Mar;58(3):163–4
The effects of time compression on the auditory processing abilities of learning disabled children. Watson MM, et al. **J Aud Res** 1985 Jul;25(3):167–73
Central auditory processing in urban black children, normal and learning disabled. Windham RA. **J Aud Res** 1985 Oct; 25(4):247–53
Effects of viewing aggressive cartoons on the behavior of learning disabled children. Sprafkin J, et al. **J Child Psychol Psychiatry** 1987 May;28(3):387–98
A profile of male and female applicants for a special college program for learning-disabled students. Ackerman PT, et al. **J Clin Psychol** 1987 Jan;43(1):67–78
Factor structure of the WISC-R and ITPA for learning-disabled, emotionally disturbed, and control children. Sutter EG, et al. **J Clin Psychol** 1986 Nov; 42(6):975–8
Learning-disabled adolescents recoding skills following repeated communication failure. Hambrecht G. **J Commun Disord** 1987 Jun;20(3):197–206
Linguistic stress judgments of language learning disabled students. Highnam C, et al. **J Commun Disord** 1987 Apr; 20(2):93–103
Replication and extension of the Teacher Self-Control Rating Scale. Work WC, et al. **J Consult Clin Psychol** 1987 Feb; 55(1):115–6
Estimating personal performance: a problem for children with school dysfunction. Feldman H, et al. **J Dev Behav Pediatr** 1986 Oct;7(5):281–7
Reality perceptions of television: a comparison of emotionally disturbed, learning disabled, and nonhandicapped children. Sprafkin J, et al. **J Dev Behav Pediatr** 1987 Jun;8(3):149–53
The effect of humor on aggression catharsis in the classroom. Ziv A. **J Psychol** 1987 Jul;121(4):359–64
Story structure, cohesion, and propositions in story recalls by learning-disabled and nondisabled children. Griffith PL, et al. **J Psycholinguist Res** 1986 Nov;15(6):539–55
Temperament and schooling: meaning of "goodness of fit"? Keogh BK. **New Dir Child Dev** 1986 Mar;(31):89–108
Mathematical disabilities. Garnett K, et al. **Pediatr Ann** 1987 Feb;16(2):159–62, 167–8, 170–6
Inferred brain hemispheric preference and behavior of learning disabled students. Bender WN. **Percept Mot Skills** 1987 Apr;64(2):521–2
Sensitivity to nonverbal communication among male learning disabled adolescents. Creasey GL, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 1):873–4
Chronic learning problems and maturation. Dudek SZ, et al. **Percept Mot Skills** 1987 Apr;64(2):407–29
Relation of scores on the Open Middle Test to self-control and academic achievement of inner-city fourth-grade children. Elkind MA, et al. **Percept Mot Skills** 1987 Feb; 64(1):87–93
Recognition of unfamiliar faces and common objects by neurologically impaired-learning disabled and normal children. Hough S. **Percept Mot Skills** 1986 Oct;63(2 Pt 2):923–9
Physical and emotional abuse and motor development: a preliminary investigation. Hughes HM, et al. **Percept Mot Skills** 1987 Apr;64(2):469–70
Attitudes toward risk taking in disadvantaged and academically excellent students. Smith FO, et al. **Percept Mot Skills** 1987 Feb;64(1):26
Relation of spelling and writing in learning disabilities. Søvik N, et al. **Percept Mot Skills** 1987 Feb;64(1):219–36
Learning disabilities and other attributes as factors in delinquent activities among adolescents in a nonurban area. Fleener FT. **Psychol Rep** 1987 Feb;60(1):327–34
Development of conservation and academic achievement in learning disabled children. Goh DS, et al. **Psychol Rep** 1987 Feb;60(1):71–7
Family environments of children with school behavior problems. Searight HR, et al. **Psychol Rep** 1987 Jun;60(3 Pt 2):1263–6
Selective attention in emotionally disturbed/behavior-disordered children. Unruh D, et al. **Psychol Rep** 1986 Dec;59(3):1035–9
[Psychological partial performance deficits in normally intelligent children with school failure] von Suchodoletz W. **Arztl Jugendkd** 1987;78(1):44–50 (Eng. Abstr.) (Ger)
[Learning ability in adulthood. A contribution to clinical developmental psychology] Roether D. **Psychiatr Neurol Med Psychol [Beih]** 1986;37:1–136 (Ger)

REHABILITATION

The role of speech-language pathologists in the habilitation and rehabilitation of cognitively impaired individuals: a report of the Subcommittee on Language and Cognition. **ASHA** 1987 Jun;29(6):53–5
Attributional retraining and the teaching of strategies. Borkowski JG, et al. **Except Child** 1986 Oct;53(2):130–7 (24 ref.)
The development of instruction to induce skill transfer. Gelzheiser LM, et al. **Except Child** 1986 Oct;53(2):125–9
Adaptability instruction: the goal of transitional programming. Mithaug DE, et al. **Except Child** 1987 Apr; 53(6):500–5
Computers and cognition in reading: a focus on decoding fluency. Torgesen JK. **Except Child** 1986 Oct;53(2):157–62
Teaching children to identify the main idea of expository texts. Williams JP. **Except Child** 1986 Oct;53(2):163–8
Self-monitoring of attentional behavior versus self-monitoring of productivity: effects on on-task behavior and academic response rate among learning disabled children. Harris KR. **J Appl Behav Anal** 1986 Winter;19(4):417–23
Early education and children with special needs. Clark MM. **J Child Psychol Psychiatry** 1987 May;28(3):417–25
The troubled employee. Mentally retarded and learning disabled employees. Kaminer RK. **State Art Rev Occup Med** 1986 Oct–Dec;1(4):609–23
[Results of a study on criteria for intensive rehabilitative management of special education students] Herrfurth R, et al. **Arztl Jugendkd** 1987;78(1):66–9 (Eng. Abstr.) (Ger)
[Intelligence training of handicapped patients. An experimental evaluation study of constructive training for the promotion of general intelligence in learning disabled students in a school for patients with speech disorders] Masendorf F, et al. **Rehabilitation (Stuttg)** 1986 Aug; 25(3):116–22 (Eng. Abstr.) (Ger)

THERAPY

Antisocial behavior, school performance, and reactions to loss: the value of group counseling and communication skills training. Fleisher SJ, et al. **Adolesc Psychiatry** 1987; 14:546–55
An intervention program for adolescents with behavior problems. Mills MC. **Adolescence** 1987 Spring;22(85):91–6
Taking the practicum beyond the public school door. Ramsey RS. **Adolescence** 1986 Fall;21(83):547–52
Speech-language pathologists as language-learning disabilities specialists: rites of passage. Comett BS, et al. **ASHA** 1986 Dec;28(12):29–31
Behavior modification by long-distance. Demonstration of functional control over disruptive behavior in a rural classroom setting. Bornstein PH, et al. **Behav Modif** 1977 Jul;1(3):369–80
An evaluation of daily report cards with minimal teacher and parent contacts as an efficient method of classroom intervention. Lahey BB, et al. **Behav Modif** 1977 Jul; 1(3):381–94
Direct and observed reinforcement in the classroom. The interaction between information and reinforcement for socially approved and disapproved behavior. Witt JC, et al. **Behav Modif** 1980 Jul;4(3):321–36
The use of operant techniques to raise self-esteem in maladjusted children. Gurney PW. **Br J Educ Psychol** 1987 Feb;57 (Pt 1):87–94
Microcomputer use within micro-educational environments. Cosden MA, et al. **Except Child** 1987 Feb;53(5):399–409
Interdisciplinary team training: a national survey of special education teacher training programs. Courtnage L, et al. **Except Child** 1987 Feb;53(5):451–8
Teaching content area material to learning disabled students. Darch C, et al. **Except Child** 1986 Nov;53(3):240–6
Effects of systematic formative evaluation: a meta-analysis. Fuchs LS, et al. **Except Child** 1986 Nov;53(3):199–208
Expert systems and special education. Hofmeister AM, et al. **Except Child** 1986 Nov;53(3):235–9
Different cooperative learning procedures and cross-handicap relationships. Johnson DW, et al. **Except Child** 1986 Nov;53(3):247–52
Does categorical teacher certification benefit the mildly handicapped child? Marston D. **Except Child** 1987 Feb; 53(5):423–31
Teacher perceptions of school-based interventions. Martens BK, et al. **Except Child** 1986 Nov;53(3):213–23
The necessary restructuring of special and regular education. Reynolds MC, et al. **Except Child** 1987 Feb;53(5):391–8
How various forms of data affect teacher analysis of student performance. Utley BL, et al. **Except Child** 1987 Feb; 53(5):411–22
From referral to placement: teachers' perceptions of their responsibilities. White R, et al. **Except Child** 1987 Feb; 53(5):460–8
Field replication of classwide peer tutoring. Greenwood CR, et al. **J Appl Behav Anal** 1987 Summer;20(2):151–60
Grafted septal neurons form cholinergic synaptic connections in the dentate gyrus of behaviorally impaired aged rats. Clarke DJ, et al. **J Comp Neurol** 1986 Oct 22;252(4):483–92
Isolated teenagers, cooperative learning, and the training of social skills. Mesch D, et al. **J Psychol** 1986 Jul; 120(4):323–34
Effects of training on learning disabled students' creative written expression. Jaben TH. **Psychol Rep** 1987 Feb; 60(1):23–6
Eye exercises and learning disability. Leary PM, et al. **S Afr Med J** 1986 Sep 27;70(7):388
[Management of problem children in a school for behavior disordered children—model pedagogic and therapeutic center] Nowack K, et al. **Off Gesundheitswes** 1986 Nov; 48(11):618–22 (Eng. Abstr.) (Ger)
[Bibliotherapy as a possible constituent of the psychotherapeutic treatment concept] Gold C. **Padiatr Grenzgeb** 1986;25(5):431–4 (Eng. Abstr.) (Ger)

URINE

Behavioral correlates of excreted catecholamines and cortisol

in second-grade children. Tennes K, et al. **J Am Acad Child Psychiatry** 1986 Nov;25(6):764–70

LEASING, PROPERTY see under **FINANCIAL MANAGEMENT**

LECITHIN ACYLTRANSFERASE

ANTAGONISTS & INHIBITORS

Inhibition of lecithin-cholesterol acyltransferase by diphytanoyl phosphatidylcholine. Pownall HJ, et al. **J Biol Chem** 1987 Jul 5;262(19):9033–6

BLOOD

Inhibitory effect of normal high density lipoproteins on lecithin:cholesterol acyltransferase activity in fish eye disease plasma. Holmquist L, et al. **Acta Med Scand** 1987; 222(1):15–21

Changes in serum lipoproteins and in lecithin: cholesterol acyltransferase activity with dietary fat modification. Weisweiler P, et al. **Adv Exp Med Biol** 1987;210:183–7

The catalytic center of lecithin:cholesterol acyltransferase: isolation and sequence of diisopropyl fluorophosphate-labeled peptides. Park YB, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):360–3

Studies on the substrate specificity of human and pig lecithin: cholesterol acyltransferase: role of low-density lipoproteins. Knipping G, et al. **Biochemistry** 1986 Sep 9; 25(18):5242–9

Aromatic boronic acids as probes of the catalytic site of human plasma lecithin-cholesterol acyltransferase. Jauhiainen M, et al. **Biochim Biophys Acta** 1987 Apr 3; 918(2):175–88

Effects of dietary cholesterol and fat, sex and sire on lecithin-cholesterol acyltransferase activity in baboons. Mott GE, et al. **Biochim Biophys Acta** 1987 Jun 2; 919(2):190–8

D-galactosamine induced hepatitis in the rabbit: effect on lecithin:cholesterol acyltransferase activity, plasma lipid transfer protein activity and high density lipoproteins. Abbey M, et al. **Comp Biochem Physiol [B]** 1986; 85(3):659–67

Lecithin: cholesterol acyltransferase and lysolecithin in coronary atherosclerosis. Wells IC, et al. **Exp Mol Pathol** 1986 Dec;45(3):303–10

Lecithin:cholesterol acyltransferase. Functional regions and a structural model of the enzyme. Yang CY, et al. **J Biol Chem** 1987 Mar 5;262(7):3086–91

Synthetic substrates of lecithin: cholesterol acyltransferase. Jonas A. **J Lipid Res** 1986 Jul;27(7):689–98 (55 ref.)

Transfer of cholesterol and a fluorescent cholesterol analog, 3'-pyrenylmethyl-23,24-dinor-5-cholen-22-oate-3 beta-ol, between human plasma high density lipoproteins. Kao YJ, et al. **J Lipid Res** 1986 Jul;27(7):781–5

Effects of purines on human and rat plasma lecithin: cholesterol acyltransferase activity [letter] Gillett MP, et al. **Lipids** 1986 Aug;21(8):531–2

Cold labelled substrate and estimation of cholesterol esterification rate in lecithin cholesterol acyltransferase radioassay. Dobiášová M, et al. **Physiol Bohemoslov** 1986; 35(4):319–27

Factors influencing the cholesterol esterification rate in lecithin cholesterol acyltransferase radioassay. Dobiášová M, et al. **Physiol Bohemoslov** 1986;35(5):464–72

[The importance of lecithin-cholesterol acyltransferase (LCAT) in the detection of early forms of atherosclerosis] Choluj B, et al. **Vnitr Lek** 1986 Nov;32(11):1073–8 (Eng. Abstr.) **(Cze)**

[Determination of blood lecithin cholesterol acyltransferase activity by using liposomes as the substrate] Fortinskaia ES, et al. **Lab Delo** 1986;(7):423–6 (Eng. Abstr.) **(Rus)**

GENETICS

Human lecithin-cholesterol acyltransferase gene: complete gene sequence and sites of expression. McLean J, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9397–406

METABOLISM

In vitro formation of HDL-2 from HDL-3 and triacylglycerol-rich lipoproteins by the action of lecithin:cholesterol acyltransferase and cholesterol ester transfer protein. Zechner R, et al. **Biochim Biophys Acta** 1987 Mar 13;918(1):27–35

Studies of synthetic peptide analogs of the amphipathic helix. Effect of charge distribution, hydrophobicity, and secondary structure on lipid association and lecithin:cholesterol acyltransferase activation. Epand RM, et al. **J Biol Chem** 1987 Jul 5;262(19):9389–96

Reaction of discoidal complexes of apolipoprotein A-I and various phosphatidylcholines with lecithin cholesterol acyltransferase. Interfacial effects. Jonas A, et al. **J Biol Chem** 1987 Mar 25;262(9):3969–74

Lecithin:cholesterol acyltransferase-induced modifications of liver perfusate discoidal high density lipoproteins from African green monkeys. Babiak J, et al. **J Lipid Res** 1986 Dec;27(12):1304–17

Effect of lecithin:cholesterol acyltransferase on distribution of apolipoprotein A-IV among lipoproteins of human plasma. Bisgaier CL, et al. **J Lipid Res** 1987 Jun; 28(6):693–703

Pathways in the formation of human plasma high density lipoprotein subpopulations containing apolipoprotein A-I without apolipoprotein A-II. Nichols AV, et al. **J Lipid Res** 1987 Jun;28(6):719–32

PHYSIOLOGY

The role of LCAT and cholesteryl ester transfer proteins for the HDL and LDL structure and metabolism. Kostner GM, et al. **Adv Exp Med Biol** 1987;210:79–86

LECITHIN ACYLTRANSFERASE DEFICIENCY see under **HYPOLIPOPROTEINEMIA**

LECITHIN CHOLESTEROL ACYLTRANSFERASE see **LECITHIN ACYLTRANSFERASE**

LECITHINASE C see **PHOSPHOLIPASE C**

LECITHINASES see **PHOSPHOLIPASES**

LECITHINS see **PHOSPHATIDYLCHOLINES**

LECTIN, CASTOR BEAN see **RICIN**

LECTIN RECEPTORS see **RECEPTORS, MITOGEN**

LECTIN, RICINUS see **RICIN**

LECTINS

Regional heterogeneity of glycoconjugate distribution in the glomerulus revealed by lectin-gold cytochemistry and SDS-PAGE [published erratum appears in Am J Pathol 1987 Aug;128(2):216] Brown D, et al. **Am J Pathol** 1986 Dec;125(3):601–10

Fractionation and structural assessment of oligosaccharides and glycopeptides by use of immobilized lectins. Osawa T, et al. **Annu Rev Biochem** 1987;56:21–42 (139 ref.)

Fractionation of sialylated oligosaccharides, glycopeptides, and glycoproteins on immobilized elderberry (Sambucus nigra L.) bark lectin. Shibuya N, et al. **Arch Biochem Biophys** 1987 Apr;254(1):1–8

Glycoproteins of murine zona pellucida from unfertilized eggs and two-cell embryos: comparison of the reactivity to lectins. Shimizu S, et al. **Biochem Int** 1986 Aug; 13(2):335–41

Structure and stability of Ricinus communis haemagglutinin. Frénoy JP, et al. **Biochem J** 1986 Nov 15;240(1):227–31

Studies on tryptophan residues of Abrus agglutinin. Stopped-flow kinetics of modification and fluorescence-quenching studies. Patanjali SR, et al. **Biochem J** 1987 Apr 1;243(1):79–86

Separation of human lymphocyte subclasses by rosettes with latex-lectin particles. De Dios I, et al. **Biochem Med Metab Biol** 1986 Feb;35(1):12–7

Binding of N-acetylgalactosamine-specific lectins to spin-labeled galactosamine derivatives. Berliner LJ, et al. **Biochemistry** 1986 Jul 29;25(15):4457–61

Amino acid sequence of sialic acid binding lectin from frog (Rana catesbeiana) eggs. Titani K, et al. **Biochemistry** 1987 Apr 21;26(8):2189–94

Isolation of glycoproteins of parainfluenza I (Sendai) by Helix pomatia Lectin column. Bartzatt R, et al. **Biosci Rep** 1986 Jun;6(6):591–5

Intrinsic fluorescence studies on saccharide binding to Artocarpus integrifolia lectin. Sastry MV, et al. **Biosci Rep** 1986 Oct;6(10):853–60

Ulex europeus agglutinin I-reactive high molecular weight glycoproteins of adenocarcinoma of distal colon and rectum and their possible relationship with metastatic potential. Irimura T, et al. **Cancer Res** 1987 Feb 1; 47(3):881–9

Morphological study of the combined effect of purpurin derivatives and light on transplantable rat bladder tumors. Morgan AR, et al. **Cancer Res** 1987 Jan 15;47(2):496–8

Affinity of four immobilized Erythrina lectins toward various N-linked glycopeptides and related oligosaccharides. Debray H, et al. **Carbohydr Res** 1986 Aug 15;151:359–70

Immunochemical studies on the combining site of the blood group A-specific lima bean lectin. Sikder SK, et al. **Carbohydr Res** 1986 Aug 15;151:247–60

Lectin cytochemical evaluation of somatosensory neurons and their peripheral and central processes in rat and man. Nakagawa F, et al. **Cell Tissue Res** 1986;245(3):579–89

Tissue-specific N-glycosylation, site-specific oligosaccharide patterns and lentil lectin recognition of rat Thy-1. Parekh RB, et al. **EMBO J** 1987 May;6(5):1233–44

The beta 1----2-D-xylose and alpha 1----3-L-fucose substituted N-linked oligosaccharides from Erythrina cristagalli lectin. Isolation, characterisation and comparison with other legume lectins. Ashford D, et al. **Eur J Biochem** 1987 Jul 15;166(2):311–20

Primary structure of an N-glycosidic carbohydrate unit derived from Sophora japonica lectin. Fournet B, et al. **Eur J Biochem** 1987 Jul 15;166(2):321–4

Characterization of the carbohydrate moiety of Clerodendron trichotomum lectins. Its structure and reactivity toward plant lectins. Kitagaki-Ogawa H, et al. **Eur J Biochem** 1986 Dec 15;161(3):779–85

Enrichment for GM-CFU from human bone marrow using Sambucus nigra agglutinin: potential application to bone marrow transplantation. Mumcuoglu M, et al. **Exp Hematol** 1986 Nov;14(10):946–50

Subunit structure of a cortical granule lectin involved in the block to polyspermy in Xenopus laevis eggs. Chamow SM, et al. **FEBS Lett** 1986 Oct 6;206(2):353–7

Depletion of T cells from bone marrow grafts with soybean agglutinin and sheep red blood cells for prevention of graft-versus-host disease. Verdonck LF, et al. **Hamatol Bluttransfus** 1987;30:563–6

Histochemical detection of glycogen using Griffonia simplicifolia agglutinin II. Hennigar RA, et al. **Histochem J** 1986 Nov-Dec;18(11-12):589–96

Lectins as markers for eosinophilic leukocytes. Lee MC, et al. **Histochemistry** 1987;86(3):269–73

The fate of acrosomal staining during the acrosome reaction of human spermatozoa as revealed by a monoclonal antibody and PNA-lectin. Kallajoki M, et al. **Int J Androl** 1986 Jun;9(3):181–94

Nuclear magnetic resonance investigation of cadmium 113 substituted pea and lentil lectins. Bhattacharyya L, et al. **J Biol Chem** 1987 Apr 25;262(12):5616–21

The crystal structure of pea lectin at 3.0-A resolution. Einspahr H, et al. **J Biol Chem** 1986 Dec 15; 261(35):16518–27

Preliminary X-ray diffraction analysis of crystalline lectins from the seeds and leaves of Sophora japonica. McPherson A, et al. **J Biol Chem** 1987 Feb 5;262(4):1791–4

Primary structure of the Dolichos biflorus seed lectin. Schnell DJ, et al. **J Biol Chem** 1987 May 25;262(15):7220–5

Analysis of normal human tonsil class II antigen glycosylation by lectin affinity chromatography. Zacheis M, et al. **J Biol Chem** 1986 Dec 25;261(36):17004–10

Identification of group B streptococcal antigen with lectin-bound polystyrene particles. Slifkin M, et al. **J Clin Microbiol** 1987 Jul;25(7):1172–5

The caveat of lectin studies [letter] Schelper RL. **J Histochem Cytochem** 1987 Oct;35(10):1165–7

Crystallization and preliminary X-ray diffraction studies of the lectin from Erythrina corallodendron. Saper MA, et al. **J Mol Biol** 1987 Feb 20;193(4):823–4

Refinement of the crystal structure of wheat germ agglutinin isolectin 2 at 1.8 A resolution. Wright CS. **J Mol Biol** 1987 Apr 5;194(3):501–29

Lectin cytochemistry and histochemistry. Damjanov I. **Lab Invest** 1987 Jul;57(1):5–20 (173 ref.)

Vascular endothelial markers of the human thoracic duct and lacteal. Gnepp DR. **Lymphology** 1987 Mar;20(1):36–43

Extensive amino acid sequence homologies between animal lectins. Paroutaud P, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6345–8

Characterization of serum alkaline phosphatase isoenzymes by affinity electrophoresis in agarose gel containing lectin combined with agar gel electrophoresis. Onica D, et al. **Scand J Clin Lab Invest** 1987 May;47(3):239–45

Three-dimensional structure of favin: saccharide binding-cyclic permutation in leguminous lectins. Reeke GN Jr, et al. **Science** 1986 Nov 28;234(4780):1108–11

Bacterial lectins: mediators of adhesion. Uhlenbruck G. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Mar; 263(4):497–508 (31 ref.)

[Lectins. Biological, research and clinical aspects] Müller K, et al. **Ugeskr Laeger** 1987 Jun 22;149(26):1730–4 (30 ref.) (Eng. Abstr.) **(Dan)**

[Labeling of testicular biopsies with lectins. Value of Evonymus europaeus agglutinin] Roussel F, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(2):177–81 (Eng. Abstr.) **(Fre)**

[Lectin staining of carcinoma of gallbladder and mucosa of chronic cholecystitis] Tashima N. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov; 83(11):2393–401 (Eng. Abstr.) **(Jpn)**

[Use of lectins in light-microscopic histochemistry (methodologic aspects)] Lutsik AD, et al. **Arkh Anat Gistol Embriol** 1987 Jun;92(6):74–89 (106 ref.) **(Rus)**

ANALYSIS

Lectin histochemistry of malignant fibrohistiocytic tumors. Ueda T, et al. **Am J Surg Pathol** 1987 Apr;11(4):257–62

Determination of lectin-sugar dissociation constants by agarose affinity electrophoresis. Mackiewicz A, et al. **Anal Biochem** 1986 Aug 1;156(2):481–8

Immunoblotting detection of lectins in gluten and white rice flour. Kolberg J, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):717–23

Blood group substance, CEA, and lectins in ovarian tumors. Dietel M, et al. **Cancer Detect Prev** 1986;9(5-6):511–20

Endogenous lectins in tumors and the immune system. Gabius HJ. **Cancer Invest** 1987;5(1):39–46 (71 ref.)

Endogenous lectin from terminally differentiated epidermal cells. Brysk MM, et al. **Differentiation** 1986;32(3):230–7

Cell distribution and antigenic properties of mammalian sarcolectins. Jiang PH, et al. **Eur J Cell Biol** 1987 Jun; 43(3):384–93

Ascaris lumbricoides: lectin activity in the gastrointestinal system. Cuperlović M, et al. **Exp Parasitol** 1987 Apr; 63(2):237–9

Entamoeba histolytica: cytopathogenicity and lectin activity of avirulent mutants. Orozco E, et al. **Exp Parasitol** 1987 Apr;63(2):157–65

Electron microscopic localization of a fucose-binding protein in acrosome reacted boar spermatozoa by the fucosyl-peroxidase-gold method. Friess AE, et al.

Histochemistry 1987;86(3):297–303

Fracture labelling of boar spermatozoa for the fucose–binding–protein (FBP). Friess AE, et al. **Histochemistry** 1987;87(2):181–3

Staining for factor VIII related antigen and Ulex europaeus agglutinin I (UEA–I) in 230 tumours. An assessment of their specificity for angiosarcoma and Kaposi's sarcoma. Leader M, et al. **Histopathology** 1986 Nov;10(11):1153–62

Evidence for N–terminal exposure of the protein IA subclass of Neisseria gonorrhoeae protein I. Judd RC. **Infect Immun** 1986 Nov;54(2):408–14

Further characterization and structural studies on human placenta lectin. Hirabayashi J, et al. **J Biochem (Tokyo)** 1987 Apr;101(4):987–95

Isolation and characterization of lactose–binding lectins from the venoms of the snakes Lachesis muta and Dendroaspis jamesonii. Ogilvie ML, et al. **J Biochem (Tokyo)** 1986 Dec; 100(6):1425–31

States of tryptophan residues in castor bean hemagglutinin: the perturbing effects of solvents on tryptophans in hemagglutinin and its complexes as analyzed by UV–difference spectroscopy. Yamasaki N, et al. **J Biochem (Tokyo)** 1987 Mar;101(3):761–6

The complete amino acid sequence of echinoidin, a lectin from the coelomic fluid of the sea urchin Anthocidaris crassispina. Homologies with mammalian and insect lectins. Giga Y, et al. **J Biol Chem** 1987 May 5;262(13):6197–203

Properties and distribution of a lectin–like hemagglutinin differentially expressed by murine stromal tissue macrophages. Crocker PR, et al. **J Exp Med** 1986 Dec 1;164(6):1862–75

The localization of a lectin–like component on the Leishmania cell surface. Hernández AG, et al. **Mol Biol Rep** 1986;11(3):149–53

Reactivity of a monoclonal antibody recognizing an estrogen receptor regulated glycoprotein in relation to lectin histochemistry in breast cancer. Helle M, et al. **Virchows Arch [A]** 1986;410(1):23–9

[PNA–glycoprotein patterns of the chick retina during embryo development] Liu L, et al. **Shih Yen Sheng Wu Hsueh Pao** 1987 Mar;20(1):61–9 (Eng. Abstr.) **(Chi)**

[Immunohistochemical demonstration of binding sites for peanut lectin (PNA) in prostatic carcinoma before and after antiandrogenic treatment] Wernert N, et al. **Verh Dtsch Ges Pathol** 1986;70:329–31 **(Ger)**

BIOSYNTHESIS

Binding specificity of a human leucocyte carbohydrate–binding protein. Allen HJ. **Immunol Invest** 1986 Jun;15(4):379–92

Post–translational modifications of the core–specific lectin. Relationship to assembly, ligand binding, and secretion. Colley KJ, et al. **J Biol Chem** 1987 Jul 25;262(21):10296–303

Identification of the post–translational modifications of the core–specific lectin. The core–specific lectin contains hydroxyproline, hydroxylysine, and glucosylgalactosylhydroxylysine residues. Colley KJ, et al. **J Biol Chem** 1987 Jul 25;262(21):10290–5

DIAGNOSTIC USE

Evonymus europaeus agglutinin as a marker of endothelial cells in the human. Roussel F, et al. **Acta Anat (Basel)** 1987; 129(2):92–5

Lectin histochemistry of canine polyglucosan bodies. Atoji Y, et al. **Acta Neuropathol (Berl)** 1987;73(2):177–80

Lectin histochemistry of plaques and tangles in Alzheimer's disease. Szumanska G, et al. **Acta Neuropathol (Berl)** 1987; 73(1):1–11

Detection of mucus glycoconjugates in human conjunctiva by using the lectin colloidal gold technique in TEM. I. A quantitative study in normal subjects. Versura P, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):445–50

Detection of mucus glycoconjugates in human conjunctiva by using the lectin–colloidal gold technique in TEM. II. A quantitative study in dry–eye patients. Versura P, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):451–5

An altered lectin binding to mucus glycoprotein in goblet cells of human tracheobronchial epithelium among former mustard–gas workers. Inai K, et al. **Acta Pathol Jpn** 1987 Apr;37(4):537–48

Mapping of the rat liver endothelial membrane with lectins and glycosylated ferritins. Irie S, et al. **Am J Anat** 1986 Nov;177(3):403–13

Lectin histochemistry of Wilms' tumor. Comparison with normal adult and fetal kidney. Yeger H, et al. **Am J Clin Pathol** 1987 Sep;88(3):278–85

Fluorescein–conjugated lectin identification of a case of human keratomycosis. Robin JB, et al. **Am J Ophthalmol** 1986 Dec 15;102(6):797–8

Development of gastrointestinal surface. VIII. Lectin identification of carbohydrate differences. Pang KY, et al. **Am J Physiol** 1987 May;252(5 Pt 1):G685–91

Use of Ulex europaeus agglutinin I in the identification of lymphatic and blood vessel invasion in previously stained microscopic slides. Ordóñez NG, et al. **Am J Surg Pathol** 1987 Jul;11(7):543–50

Binding patterns of lectins to human retinoblastoma cells: preliminary findings. Bialasiewicz AA, et al. **Cancer Detect Prev** 1987;10(1–2):63–70

Enrichment of antitumor effector cells that are effective in vivo from spleen cells of tumor–bearing mice through the use of Dolichos biflorus lectin. Okada T, et al. **Cancer Res** 1986 Nov;46(11):5611–7

Lectins are markers of neuronal migration and differentiation in rat brain. DeGrauw TJ, et al. **Dev Neurosci** 1986; 8(4):236–42

Application of lectins to tumor imaging radiopharmaceuticals. Kojima S, et al. **Eur J Nucl Med** 1986;12(8):385–9

Proteolysis and lectin histochemistry. Jeffrey IJ, et al. **Histochem J** 1987 May;19(5):269–75

Lectinhistochemical demonstration of galactose– and N–acetyl–D–galactosamine residues in cells of the rat anterior pituitary. Witt M, et al. **Histochemistry** 1987; 87(2):139–44

The usefulness of peanut agglutinin for the detection of histiocytosis–X and interdigitating reticulum cells [letter] Ree HJ, et al. **Hum Pathol** 1987 Mar;18(3):309–10

Peanut agglutin binding to non–neoplastic & neoplastic lesions of the lymph node. Bhatia A. **Indian J Med Res** 1987 Mar;85:292–6

Fluorescence–labeled lectins, glycoconjugates, and the development of the mouse AOP. Vanden Hoek TL, et al. **Invest Ophthalmol Vis Sci** 1987 Mar;28(3):451–8

Glycoprotein abnormalities in colonic carcinomata, adenomata, and hyperplastic polyps shown by lectin peroxidase histochemistry. Rhodes JM, et al. **J Clin Pathol** 1986 Dec;39(12):1331–4

The value of blood group–specific lectin and endothelial associated antibodies in the diagnosis of vascular proliferations. Suzuki Y, et al. **J Cutan Pathol** 1986 Dec; 13(6):408–19

Basal laminar thinning in branching morphogenesis of the chick lung as demonstrated by lectin probes. Gallagher BC. **J Embryol Exp Morphol** 1986 Jun;94:173–88

A new method for typing haptoglobin in bloodstains using immobilized allo A lectin. Harada A, et al. **J Forensic Sci** 1987 Jul;32(4):1062–4

Histochemical reactivity of soybean agglutinin with blood group antigens and their precursor substances in acinar cells of human pancreas. Ito N, et al. **J Histochem Cytochem** 1987 Aug;35(8):881–90

Double–label immunocytochemistry: combination of anterograde neuroanatomical tracing with Phaseolus vulgaris leucoagglutinin and enzyme immunocytochemistry of target neurons. Wouterlood FG, et al. **J Histochem Cytochem** 1987 Aug;35(8):817–23

Surface carbohydrates of procyclic forms of African trypanosomes studied using fluorescence activated cell sorter analysis and agglutination with lectins. Mutharia LM, et al. **Mol Biochem Parasitol** 1987 Mar;23(2):165–72

Carbohydrate residues in non–malignant prostatic epithelium as revealed by lectins. Abel PD, et al. **Urol Res** 1987; 15(3):173–6

Differentiation of Pasteurella haemolytic biotypes A and T with lectins. Craft DL, et al. **Vet Rec** 1987 Apr 18; 120(16):393

[Immunohistochemical study of lectin in gastric carcinoma] Tseng HH. **Taiwan I Hsueh Hui Tsa Chih** 1986 Oct; 85(10):947–55 (Eng. Abstr.) **(Chi)**

[Lectins—diagnostic and therapeutic aspects in dermatology] Wollina U. **Dermatol Monatsschr** 1987;173(5):237–41 **(Ger)**

[Lectins as tools for the histologic demonstration of glycoconjugates in the oral epithelia] Wengel S, et al. **Zahn Mund Kieferheilkd** 1986;74(6):576–83 (Eng. Abstr.) **(Ger)**

[The use of lectins in microbiology] Antoniuk VA, et al. **Zh M krobiol Epidemiol Immunobiol** 1987 Jun;(6):97–104 (53 ref.) **(Rus)**

[Comparative evaluation of the sensitivity of immunofluorescence methods, immunoenzyme analysis and the lectin test for the rapid diagnosis of influenza] Shenderovich SF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):76–9 (Eng. Abstr.) **(Rus)**

[Study of membrane oligosaccharides in keratinocytes using the lectins in normal epidermis] Ramírez Bosca A, et al. **Med Cutan Ibero Lat Am** 1986;14(5):365–8 (Eng. Abstr.) **(Spa)**

GENETICS

Amino acid sequence differences in the alpha chains of pea seed isolectins: C–terminal processing. Rini JM, et al. **Biochem Cell Biol** 1987 Apr;65(4):338–44

cDNA cloning and in vitro synthesis of the Dolichos biflorus seed lectin. Schnell DJ, et al. **Eur J Biochem** 1987 Sep 1;167(2):227–31

Multiple regulatory genes control expression of a gene family during development of Dictyostelium discoideum. Alexander S, et al. **Mol Cell Biol** 1986 Dec;6(12):4353–61

Interaction of an embryo DNA binding protein with a soybean lectin gene upstream region. Jofuku KD, et al. **Nature** 1987 Aug 20–26;328(6132):734–7

Is lung surfactant protein a lectin–collagen hybrid? [letter] Patthy L. **Nature** 1987 Feb 5–11;325(6104):490

The human tumour–associated epithelial mucins are coded by an expressed hypervariable gene locus PUM. Swallow DM, et al. **Nature** 1987 Jul 2–8;328(6125):82–4

Human lymphocyte Fc receptor for IgE: sequence homology of its cloned cDNA with animal lectins. Ikuta K, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):819–23

Soybean seed lectin gene and flanking nonseed protein genes are developmentally regulated in transformed tobacco plants. Okamuro JK, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8240–4

IMMUNOLOGY

Plant lectin, ATF1011, on the tumor cell surface augments tumor–specific immunity through activation of T cells specific for the lectin. Yoshimoto R, et al. **Cancer Immunol Immunother** 1987;25(1):25–30

Immunogenic activity of gonococcal protein I in mice with three different lipoidal adjuvants delivered in liposomes and in complexes. Jiskoot W, et al. **Infect Immun** 1986 Nov; 54(2):333–8

Separate induction of MHC and thyroid microsomal antigen (McAg) expression on thyroid cell monolayers: enhancement of lectin–induced McAg expression by interferon–gamma. Iwatani Y, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1302–8

Antigenic and immunogenic properties of cyanogen bromide peptides from gonococcal outer membrane protein IB. Evidence for the existence of a surface–exposed conserved epitope. Teerlink T, et al. **J Exp Med** 1987 Jul 1; 166(1):63–76

Activated macrophages and antibodies against the plant lectin, GSI–B4, recognize the same tumor–associated structure (TAS). Takacs B, et al. **J Immunol** 1987 Mar 15; 138(6):1999–2007

Lectins from protochordates as putative recognition molecules. Vasta GR, et al. **Prog Clin Biol Res** 1987; 233:23–32

[Reactions of lectins with animal–pathogenic Streptococci of the serological group C and S. uberis] Niewerth B, et al. **Zentralbl Veterinarmed [B]** 1987 Apr;34(3):206–10 **(Ger)**

ISOLATION & PURIFICATION

Properties of the lectin from the hog peanut (Amphicarpaea bracteata). Maliarik MJ, et al. **Arch Biochem Biophys** 1987 May 15;255(1):194–200

Purification and characterization of Robinia pseudoacacia seed lectins. A re–investigation. Wantyghem J, et al. **Biochem J** 1986 Jul 15;237(2):483–9

Isolation and characterization of a lectin from the cortical granules of Xenopus laevis eggs. Nishihara T, et al. **Biochemistry** 1986 Oct 7;25(20):6013–20

IgA–affinity purification and characterization of the lectin jacalin. Roque–Barreira MC, et al. **Braz J Med Biol Res** 1986;19(2):149–57

Isolation and characterization of Rana catesbeiana lectin and demonstration of the lectin–binding glycoprotein of rodent and human tumor cell membranes. Nitta K, et al. **Cancer Res** 1987 Sep 15;47(18):4877–83

Expression of endogenous lectins in human small–cell carcinoma and undifferentiated carcinoma of the lung. Gabius HJ, et al. **Carbohydr Res** 1987 Jul 1;164:33–41

Carbohydrate–binding specificity of silkworm lectin. Kitagaki H, et al. **Carbohydr Res** 1986 Aug 15;151:271–8

Mammalian kidney lectin. Matsumoto I, et al. **Carbohydr Res** 1986 Aug 15;151:261–70

Mitogenic heparin–binding lectin–like protein from cloned thymic myoid cells. Kamo I, et al. **Cell Immunol** 1986 Nov; 103(1):183–90

Heterogeneous humoral and hemocyte–associated lectins with N–acylaminosugar specificities from the blue crab, Callinectes sapidus Rathbun. Cassels FJ, et al. **Comp Biochem Physiol [B]** 1986;85(1):23–30

Purification and properties of a hemagglutination factor from Arabian Gulf catfish (Arius thalassinus) epidermal secretion. Al–Hassan JM, et al. **Comp Biochem Physiol [B]** 1986;85(1):31–9

Investigation on the occurrence of soluble lectins in mammalian nervous tissue extracts. Joubert R, et al. **Comp Biochem Physiol [B]** 1986;85(4):859–63

Serological characterization of humoral lectin from Heterometrus granulomanus scorpion hemolymph. Ahmed H, et al. **Dev Comp Immunol** 1986 Summer;10(3):295–304

A new agglutinin from the Tulipa gesneriana bulbs. Oda Y, et al. **Eur J Biochem** 1987 Jun 1;165(2):297–302

Isolation and characterization of a lectin from tulip bulbs, Tulipa gesneriana. Oda Y, et al. **Eur J Biochem** 1986 Sep 1;159(2):239–45

T cell mitogenicity of a novel beta–D–galactoside–specific lectin from the beetle, Allomyrina dichotoma (allo A). Kimura S, et al. **Immunopharmacology** 1987 Jun;13(3):181–8

Characterization of lectinlike surface components on Capnocytophaga ochracea ATCC 33596 that mediate coaggregation with gram–positive oral bacteria. Weiss EI, et al. **Infect Immun** 1987 May;55(5):1198–202

A simplified methodology for purification of peanut (Arachis hypogaea) agglutinin. Pujol FH, et al. **J Biochem Biophys Methods** 1986 Oct;13(3):131–4

Carbohydrate–binding properties of L–fucose, D–mannose–specific lectin (SFL 100–2) particles produced by Streptomyces sp. Matsui I, et al. **J Biochem (Tokyo)** 1986 Jul;100(1):115–21

Purification of a lectin from the hemolymph of Chinese oak silk moth (Antheraea pernyi) pupae. Qu XM, et al. **J Biochem (Tokyo)** 1987 Mar;101(3):545–51

Isolation, macromolecular properties, and combining site of a chito–oligosaccharide–specific lectin from the exudate

of ridge gourd (Luffa acutangula). Anantharam V, et al. **J Biol Chem** 1986 Nov 5;261(31):14621–7

Endogenous lectin from cultured soybean cells. Chemical characterization of the lectin of SB–1 cells. Malek–Hedayat S, et al. **J Biol Chem** 1987 Jun 5;262(16):7825–30

Isolation and characterization of an N–acetylgalactosamine specific lectin from Salvia sclarea seeds. Piller V, et al. **J Biol Chem** 1986 Oct 25;261(30):14069–75

Comparative chromatography of lectins and bioactivity recovery of the immunologic hormone leukoregulin on derivatized silica and on cross–linked agarose molecular sizing high–performance liquid chromatographic matrices. Evans CH, et al. **J Chromatogr** 1987 Mar 25;390(2):391–400

Separation of carbohydrates and lectins on carbohydrate–immobilized resins. Honda S, et al. **J Chromatogr** 1987 Jun 19;396:93–100

Sephacryl S–300—an affinity matrix which distinguishes concanavalin A from other D–mannose/D–glucose–specific lectins. Nandedkar UN, et al. **J Chromatogr** 1987 Jun 19;396:363–8

Isolation and immunochemical study of a soluble cerebellar lectin delineating its structure and function. Zanetta JP, et al. **J Neurochem** 1987 Oct;49(4):1250–7

Xenopus laevis lectins. Barondes SH, et al. **Methods Enzymol** 1987;138:516–20

Purification, assay, and characterization of the interferon antagonist: sarcolectin. Chany–Fournier F, et al. **Methods Enzymol** 1986;119:694–702

Erythrina lectins. Lis H, et al. **Methods Enzymol** 1987; 138:544–51

Lectin from hog peanut, Amphicarpaea bracteata. Maliarik M, et al. **Methods Enzymol** 1987;138:561–4

Properties of a sialic acid–specific lectin from the slug Limax flavus. Miller RL. **Methods Enzymol** 1987;138:527–36

Evonymus europaea lectin. Petryniak J, et al. **Methods Enzymol** 1987;138:552–61

O–acetylsialic acid–specific lectin from the crab Cancer anntenarius. Ravindranath MH, et al. **Methods Enzymol** 1987;138:520–7

Vicia villosa lectins. Tollefsen S, et al. **Methods Enzymol** 1987;138:536–44

A single step purification of a sialic acid binding lectin (AchatininH) from Achatina fulica snail. Basu S, et al. **Mol Cell Biochem** 1986 Aug;71(2):149–57

Membrane lectins in human malignant melanoma. Gabius HJ, et al. **Naturwissenschaften** 1987 Jan;74(1):37–8

Studies on the antitumor lectins isolated from the seeds of Ricinus communis (castor bean). Lin JY, et al. **Toxicon** 1986;24(8):757–65

Occurrence and characterization of lympho–agglutinins in Indian plants. Arora JS, et al. **Vox Sang** 1987;52(1–2):134–7

METABOLISM

Postnatal development of lectin–binding pattern in the rat testis and epididymis [published erratum appears in Acta Anat (Basel) 1987;128(3):following 263] Arya M, et al. **Acta Anat (Basel)** 1986;127(2):100–9

Lectin binding patterns in amphibian epidermis. Villalba JM, et al. **Acta Histochem (Jena)** 1987;81(1):51–7

Isolation and characterization of mutants of Streptococcus mutans using selective removal of wild–type cells by agglutination with an agglutinin from Persea americana. Curtiss R 3d, et al. **Acta Microbiol Pol** 1987;36(1–2):3–15

A specific histochemical marker (lectin Ricinus communis agglutinin–1) for normal human microglia, and application to routine histopathology. Mannoji H, et al. **Acta Neuropathol (Berl)** 1986;71(3–4):341–3

Effects of retrograde axonal transport of Ricinus communis agglutinin I on neuroma formation. Nennesmo I, et al. **Acta Neuropathol (Berl)** 1986;70(3–4):279–83

Griffonia simplicifolia I–A4 staining of mice glomerular tufts and its alteration in diabetic mice. Yonezawa S, et al. **Acta Pathol Jpn** 1986 Nov;36(11):1653–8

Effect of modification of membrane saccharides on hormonal imprinting in Tetrahymena. Kovács P, et al. **Acta Physiol Hung** 1987;69(2):189–95

The affinity of the lectins Ricinus communis and Glycine maxima to carbohydrates on the cell surface of various forms of Trypanosoma cruzi and Trypanosoma rangeli, and the application of these lectins for the identification of T. cruzi in the feces of Rhodnius prolixus. Marinkelle CJ, et al. **Acta Trop (Basel)** 1986 Sep;43(3):215–23

Lectin–binding characteristics of Wuchereria bancrofti microfilariae. Rao UR, et al. **Acta Trop (Basel)** 1987 Mar; 44(1):35–42

The Golgi apparatus in the acinar cells of the developing embryonic pancreas: II. Localization of lectin–binding sites. Pavelka M, et al. **Am J Anat** 1987 Mar;178(3):224–30

Lectin binding and tissue fixation [letter] Byrne P. **Am J Clin Pathol** 1987 Feb;87(2):294

An immunofluorescent analysis of lectin binding to normal and regenerating skeletal muscle of rat. Gulati AK, et al. **Anat Rec** 1985 Jun;212(2):113–7

Distribution of glycoconjugates in human testis. A histochemical study using fluorescein– and rhodamine–conjugated lectins. Malmi R, et al. **Andrologia** 1987 May–Jun;19(3):322–32

Immunosorbent assay of interactions between human parotid immunoglobulin A and dietary lectins. Gibbons RJ, et al. **Arch Oral Biol** 1986;31(7):477–81

Binding of islet cell cytoplasmic antibody from insulin–dependent diabetes mellitus patients and plant lectin (Maclura pomifera agglutinin) to pancreas islet cells. Tsuji T, et al. **Arerugi** 1986 Sep;35(9):988–92

Lectin binding to distinguish cell types in fixed atherosclerotic arteries. Davis HR, et al. **Atherosclerosis** 1986 Sep;61(3):193–203

Ultrastructural and cytophotometric studies of lectin binding by human pulmonary macrophages from asthmatic and normal subjects. Warton A, et al. **Aust J Exp Biol Med Sci** 1986 Oct;64 (Pt 5):419–34

Precipitation of the D–galactose specific lectin from Erythrina indica by a triantennary complex type oligosaccharide. Bhattacharyya L, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):963–7

Lectin interactions with the variant surface glycoprotein from Trypanosoma brucei brucei incorporated into liposomes. Schmitz B, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1274–8

The carbohydrate specificity of conglutinin and its homology to proteins in the hepatic lectin family. Young NM, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):645–51

13C–NMR study of the binding of [1–13C]galactose–labelled N–acetyllactosamine and [1–13C]galactose–enriched hen ovalbumin to soybean agglutinin. Berman E, et al. **Biochim Biophys Acta** 1987 Jun 22;924(3):403–7

Evidence for the glycoprotein nature of vitamin K–dependent carboxylase from rat liver. Brody T, et al. **Biochim Biophys Acta** 1987 Jan 20;923(1):1–7

Close topographical relationship in alpha foetoprotein (AFP) between a lens culinaris binding glycan and the epitope recognized by AFP–reactive monoclonal antibody, 18H4. Suzuki Y, et al. **Br J Cancer** 1987 Feb;55(2):147–52

Characterization of the blood–brain barrier: glycoconjugate receptors of 14 lectins in canine brain, cultured endothelial cells, and blotted membrane proteins. Fatehi MI, et al. **Brain Res** 1987 Jul 7;415(1):30–9

Peanut lectin binding in breast carcinoma. Lack of correlation with estrogen receptor content. Stanley MW, et al. **Cancer** 1986 Nov 1;58(9):2046–51

Cancer–associated colonic mucin in cultured human tumor cells and athymic (nude) mouse xenografts. Boland CR, et al. **Cancer Res** 1986 Nov;46(11):5724–9

Interactions of lectins with normal, swainsonine–treated and ricin–resistant baby hamster kidney BHK cells. Foddy L, et al. **Carbohydr Res** 1986 Aug 15;151:293–304

Identification of peanut agglutinin–binding glycoproteins on immature human thymocytes. De Maio A, et al. **Cell Immunol** 1986 May;99(2):345–53

Changes in submandibular glands of vitamin A–deficient mice—histomorphology, immunohistochemistry of EGF and keratin and lectin binding patterns. Hyun KH, et al. **Cell Mol Biol** 1986;32(5):499–509

Lectin binding pattern and morphometry in submandibular glands of mice treated with secretagogues. Tsukitani K, et al. **Cell Mol Biol** 1986;32(6):667–76

Binding sites of Ulex europaeus–lectin I in human parotid gland. A light–microscopic and ultrastructural study using the immunoperoxidase technique and immunocryoultramicrotomy. Born IA, et al. **Cell Tissue Res** 1987 May;248(2):455–61

Carbohydrate–binding proteins of tumor lines with different growth properties. II. Changes in their pattern in clones of transformed rat fibroblasts of differing metastatic potential. Gabius HJ, et al. **Cell Tissue Res** 1986; 246(3):515–21

Precocious development of lectin (Ulex europaeus agglutinin I) receptors in dome epithelium of gut–associated lymphoid tissues. Roy MJ. **Cell Tissue Res** 1987 Jun;248(3):483–9

Lentil–lectin–reactive alpha–fetoprotein in the differential diagnosis of benign and malignant liver disease. Buamah PK, et al. **Clin Chem** 1986 Nov;32(11):2083–4

The spontaneous ability of normal human IgG to inhibit the Fc receptors of normal human monocytes is related to their binding capacity to lectins. Malaise MG, et al. **Clin Immunol Immunopathol** 1987 Oct;45(1):1–16

Glomerular binding sites for peanut agglutinin in acute poststreptococcal glomerulonephritis. Mosquera JA, et al. **Clin Nephrol** 1986 Nov;26(5):227–34

Studies of the endothelial origin of cells in systemic angioendotheliomatosis and other vascular lesions of the brain and meninges using ulex europaeus lectin stains. Schelper RL, et al. **Clin Neuropathol** 1986 Nov–Dec; 5(6):231–7

Binding of [1–13C]galactose–enriched hen ovalbumin to Erythrina cristagalli agglutinin as studied by 13C–NMR spectroscopy. Berman E, et al. **Eur J Biochem** 1986 Dec 15;161(3):589–94

Receptors for fucose–binding proteins of Lotus tetragonolobus isolated from mouse embryonal carcinoma cells. Structural characteristics of the poly(N–acetyllactosamine)–type glycan. Kamada Y, et al. **Eur J Biochem** 1987 Mar 16;163(3):497–502

RCA I–binding patterns of the Golgi apparatus. Pavelka M, et al. **Eur J Cell Biol** 1986 Aug;41(2):270–8

Glycoprotein profiles of macrophages at different stages of activation as revealed by lectin binding after electrophoretic separation. Irimura T, et al. **Eur J Immunol** 1987 Jan;17(1):73–8

Enzymatic characterization of peanut agglutinin–binding components in the retinal interphotoreceptor matrix. Johnson LV, et al. **Exp Eye Res** 1987 Apr;44(4):553–65

Ultrastructural localization of lectin receptors in the monkey retinal photoreceptors and pigment epithelium: application of lectin–gold complexes on thin sections. Koide H, et al. **Exp Eye Res** 1986 Sep;43(3):343–54

Lectin binding patterns in developing rat colon. Colony PC, et al. **Gastroenterology** 1987 May;92(5 Pt 1):1116–26

The effects of various fixatives on subsequent lectin binding to tissue sections. Allison RT. **Histochem J** 1987 Feb; 19(2):65–74

Griffonia simplicifolia lectins bind specifically to endothelial cells and some epithelial cells in mouse tissues. Laitinen L. **Histochem J** 1987 Apr;19(4):225–34

Lectin histochemistry of mammalian endothelium. Alroy J, et al. **Histochemistry** 1987;86(6):603–7

Lectin–binding pattern in parotid acinar cells. The fracture–labelling method and post–embedding staining. Jezernik K, et al. **Histochemistry** 1986;85(6):515–21

Lectin binding sites in Paramecium tetraurelia cells. I. Labeling analysis predominantly of secretory components. Lüthe N, et al. **Histochemistry** 1986;85(5):365–76

Lectin binding sites in Paramecium tetraurelia cells. II. Labeling analysis predominantly of non–secretory components. Lüthe N, et al. **Histochemistry** 1986; 85(5):377–88

The use of avidin–gold complex for light microscopic localization of lectin receptors. Skutelsky E, et al. **Histochemistry** 1987;86(3):291–5

Evaluation of structural and secretory glycoconjugates in normal human jejunum by means of lectin histochemistry. Vecchi M, et al. **Histochemistry** 1987;86(4):359–64

Lectin and mucin histochemistry as an aid to cancer surveillance in ulcerative colitis. Fozard JB, et al. **Histopathology** 1987 Apr;11(4):385–94

Differential expression of endogenous sugar–binding proteins (lectins) in murine tumor model systems with metastatic capacity. Gabius HJ, et al. **Int J Cancer** 1987 May 15; 39(5):643–8

Transformation–related changes in the expression of endogenous cell lectins. Raz A, et al. **Int J Cancer** 1987 Mar 15;39(3):353–60

Histochemical study of lectin binding to gestational endometrium. Bychkov V, et al. **Int J Gynecol Pathol** 1987; 6(1):66–72

Lectin binding to formalin–fixed paraffin sections of human endometrium. Söderström KO. **Int J Gynecol Pathol** 1987; 6(1):55–65

Possible pathway for the processing of sugar chains containing xylose in plant glycoproteins deduced on structural analyses of sugar chains from Ricinus communis lectins. Kimura Y, et al. **J Biochem (Tokyo)** 1987 Apr; 101(4):1051–4

Biosynthesis and secretion of the rat core–specific lectin. Relationship of post–translational modification and assembly to attainment of carbohydrate binding activity. Colley KJ, et al. **J Biol Chem** 1987 Mar 5;262(7):3415–21

Lectin affinity high–performance liquid chromatography. Interactions of N–glycanase–released oligosaccharides with Ricinus communis agglutinin I and Ricinus communis agglutinin II. Green ED, et al. **J Biol Chem** 1987 Sep 5; 262(25):12030–9

The ligand binding specificity and tissue localization of a rat alveolar macrophage lectin. Haltiwanger RS, et al. **J Biol Chem** 1986 Nov 25;261(33):15696–702

The elderberry (Sambucus nigra L.) bark lectin recognizes the Neu5Ac(alpha 2–6)Gal/GalNAc sequence. Shibuya N, et al. **J Biol Chem** 1987 Feb 5;262(4):1596–601

Crystallization of the lectin IV of Griffonia simplicifolia and its complexes with the Lewis b and Y human blood group determinants. Vandonselaar M, et al. **J Biol Chem** 1987 Aug 5;262(22):10848–9

Carbohydrate binding properties of complex–type oligosaccharides on immobilized Datura stramonium lectin. Yamashita K, et al. **J Biol Chem** 1987 Feb 5;262(4):1602–7

Differential redistribution of lectin receptor classes on clonal rat myotubes and myoblasts. Sawyer JT, et al. **J Cell Sci** 1986 Jul;83:181–96

Calcifying epithelioma of Malherbe with ossification. Special reference to lectin binding and immunohistochemistry of ossified sites. Kumasa S, et al. **J Cutan Pathol** 1987 Jun; 14(3):181–7

Peanut agglutinin immunohistochemistry of basal cell carcinoma. Vigneswaran N, et al. **J Cutan Pathol** 1987 Jun; 14(3):147–53

Concanavalin A and Lens culinaris agglutinin binding patterns in normal and neoplastic sebaceous epithelium. Von Kuster L, et al. **J Cutan Pathol** 1986 Aug;13(4):274–84

Glycoconjugate cytochemistry of the rat small intestine using Helix pomatia agglutinin and colloidal gold conjugates. Murata F, et al. **J Electron Microsc (Tokyo)** 1986; 35(1):29–37

A comparison of lectin binding in rat and human peripheral nerve. Gulati AK, et al. **J Histochem Cytochem** 1986 Nov; 34(11):1487–93

Glycosylation of developing human glomeruli: lectin binding sites during cell induction and maturation. Holthöfer H, et al. **J Histochem Cytochem** 1987 Jan;35(1):33–7

Evidence that recombinant IL 1 alpha exhibits lectin–like specificity and binds to homogeneous uromodulin via N–linked oligosaccharides. Muchmore AV, et al. **J Immunol** 1987 Apr 15;138(8):2541–6

Binding and mitogenic properties of a galactosyl–specific lectin from the tunicate Didemnum candidum for murine thymocytes and splenocytes. Vasta GR, et al. **J Immunol** 1986 Nov 15;137(10):3216–23

Changes in lectin binding by differentiating cutaneous keratinocytes from the newborn rat. Brown R, et al. **J Invest Dermatol** 1987 Jun;88(6):719–26

Crystallization and preliminary X-ray diffraction studies of a pea lectin–methyl 3,6–di–O–(alpha–D–mannopyranosyl)–alpha–D–mannopyranoside complex. Rini JM, et al. **J Mol Biol** 1986 May 5;189(1):259–60

Lectin histochemistry of galactose and N–acetyl–galactosamine glycoconjugates in normal gastric mucosa and gastric cancer and the relationship with ABO and secretor status. Macartney JC. **J Pathol** 1986 Oct; 150(2):135–44

Heterogeneity of human natural killer cells with respect to lectin–binding ability [published erratum appears in JNCI 1987 Jul;79(1):197] Frydecka I, et al. **JNCI** 1987 Jun; 78(6):1145–8

Tonsillar epithelial dendritic cells. Demonstration by lectin binding, immunohistochemical characterization, and ultrastructure. Weinberg DS, et al. **Lab Invest** 1987 Jun; 56(6):622–8

Predictive value of lectin binding on breast–cancer recurrence and survival. Leathem AJ, et al. **Lancet** 1987 May 9;1(8541):1054–6

Interaction of soybean agglutinin with human leukemia–lymphoma lines at various stages of differentiation. Ben–Bassat H, et al. **Leuk Res** 1987; 11(7):589–95

Differentiation–associated carbohydrate chain on human hematopoietic cells recognized by Clerodendron trichotomum lectin. Shichijo S, et al. **Leuk Res** 1987; 11(7):603–8

Interaction with lectin of kappa opioid binding sites solubilized from human placenta. Valette A, et al. **Life Sci** 1987 Feb 9;40(6):535–40

Cell surface oligosaccharide modulation during differentiation. I. Modulation of lectin binding. Mann PL, et al. **Mech Ageing Dev** 1987 May;38(3):207–17

Cell surface oligosaccharide modulation during differentiation. II. Membrane mobility of oligosaccharide lectin conjugates. Mann PL, et al. **Mech Ageing Dev** 1987 May;38(3):219–30

Soybean agglutinin binding to the olfactory systems of the rat and mouse. Key B, et al. **Neurosci Lett** 1986 Aug 29; 69(2):131–6

Localization of glycoconjugates at the tegument of the tapeworms Hymenolepis nana and H. microstoma with gold labelled lectins. Schmidt J, et al. **Parasitol Res** 1987; 73(1):80–6

Selective lectin reactions of two stocks of Leishmania enriettii with differing pathogenicity. Schottelius J. **Parasitol Res** 1987;73(1):1–8

Peroxidase–labelled lectin binding of human extravillous trophoblast. Lalani EN, et al. **Placenta** 1987 Jan–Feb; 8(1):15–26

In vitro homing of hemopoietic stem cells is mediated by a recognition system with galactosyl and mannosyl specificities. Aizawa S, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4485–9

Endogenous lectins from cultured cells: nuclear localization of carbohydrate–binding protein 35 in proliferating 3T3 fibroblasts. Moutsatsos IK, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6452–6

Lectin binding to the developing forms of Onchocerca gutturosa microfilariae. Nwachukwu MA, et al. **Trop Med Parasitol** 1987 Jun;38(2):131–4

The agglutination of erythrocytes and Leishmania parasites by sandfly gut extracts: evidence for lectin activity. Wallbanks KR, et al. **Trop Med Parasitol** 1986 Dec; 37(4):409–13

Peanut lectin binding to the alveolar lining layer in hyaline membrane disease. Barresi G, et al. **Virchows Arch [A]** 1987; 411(2):157–60

Dedifferentiated chondrosarcoma of bone. An immunohistochemical and lectin–histochemical study. Wick MR, et al. **Virchows Arch [A]** 1987;411(1):23–32

[Technical parameters influencing the reactivity of the vascular endothelium in relation to lectin of Evonymus europaeus] Roussel F, et al. **C R Soc Biol (Paris)** 1986; 180(6):714–20 (Eng. Abstr.) (Fre)

[Function and topography of an endogenous lectin in sperm of the boar, bull and ram] Friess AE, et al. **Berl Munch Tierarztl Wochenschr** 1986 Oct 1;99(10):338–42 (Eng. Abstr.) (Ger)

[Characterization of lectin binding by psoriatic epidermis—dependence on pH] Wollina U, et al. **Z Hautkr** 1987 Feb 1;62(3):202–5 (Eng. Abstr.) (Ger)

[Lectin binding of psoriatic skin] Wollina U, et al. **Z Hautkr** 1986 Sep 1;61(17):1241–9 (Eng. Abstr.) (Ger)

[Radioiodinated peanut agglutinin (PNA): in vitro binding to various tumor cells] Kawabata S, et al. **Kaku Igaku** 1986 Nov;23(11):1613–7 (Eng. Abstr.) (Jpn)

[Lectin–binding pattern of myrmecia warts—histochemical investigation using the avidin–biotin–peroxidase complex (ABC) method] Egawa K, et al. **Nippon Hifuka Gakkai Zasshi** 1987 May;97(6):737–43 (Jpn)

[Lectin–binding pattern of sweat gland tumors—histochemical investigation using avidin–biotin–peroxidase complex (ABC) method] Uno A, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Jul;96(8):811–7 (Jpn)

[Lectin binding studies of the human nephron and renal cell carcinoma] Chan YF. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep;77(9):1405–15 (Eng. Abstr.) (Jpn)

[Lectin receptors in the salivary glands of the rat during postnatal ontogenesis] Lutsik AD, et al. **Arkh Anat Gistol Embriol** 1986 Aug;91(8):27–35 (Eng. Abstr.) (Rus)

[Dissecting aneurysm of the aorta: histochemical study using a set of lectins with different carbohydrate specificity] Zerbino DD, et al. **Arkh Patol** 1987;49(3):20–5 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Mitogen stimulation of lymphocytes in pigs with hereditary vitamin C deficiency. Kristensen B, et al. **Acta Vet Scand** 1986;27(4):486–96

Functional properties of lectin–induced thermostable SE rosette (TSER)–forming cells derived from human peripheral blood. Jahn S, et al. **Allerg Immunol (Leipz)** 1987; 33(1):21–6

Ricinus communis agglutinin I blocks the binding of human anti–renal basement membrane antibodies to the kidney. Yoshioka K, et al. **Am J Pathol** 1987 Mar;126(3):592–8

Effect of lectins on tumorigenicity of AKR lymphoma cells of varying malignancy. Leibovici J, et al. **Anticancer Res** 1986 Nov–Dec;6(6):1411–5

Serological analysis of H–2 antigens expression on the cell surface of drug– and lectin–resistant mouse tumor cells. Opolski A, et al. **Arch Immunol Ther Exp (Warsz)** 1986; 34(1):21–34

The adenosine receptor mediated accumulation of cyclic AMP in Jurkat cells is enhanced by a lectin and by phorbol esters. Fredholm BB, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):344–9

Differentiation of peanut lectin positive suppressor T–cells from peanut lectin negative precursors in bovine cells by 12–O–tetradecanoylphorbol–13–acetate. Hurley DJ, et al. **Cancer Res** 1987 Jul 15;47(14):3729–35

Glycosphingolipids of lectin–resistant mutants of the highly metastatic mouse tumor cell line, MDAY–D2. Laferté S, et al. **Cancer Res** 1987 Jan 1;47(1):150–9

Induction of release of cytotoxin from murine bone marrow cells by an animal lectin. Okutomi T, et al. **Cancer Res** 1987 Jan 1;47(1):47–50

Osmotic enhancement of mitogenic stimulation in PNA–negative murine thymocytes. Novogrodsky A, et al. **Cell Immunol** 1987 Apr 1;105(2):262–9

Jacalin, an IgA–binding lectin, inhibits differentiation of human B cells by both a direct effect and by activating T–suppressor cells. Saxon A, et al. **Cell Immunol** 1987 Jan; 104(1):134–41

Mitogenic activity of snake venom lectins. Mastro AM, et al. **Cell Tissue Kinet** 1986 Sep;19(5):557–66

Asn–linked oligosaccharides in lectin–resistant tumor–cell mutants with varying metastatic potential. Dennis JW, et al. **Eur J Biochem** 1986 Dec 1;161(2):359–73

Influence of hydroxyurea on lectin–induced early and late events in peripheral blood lymphocyte cultures. Jahn S, et al. **Folia Biol (Praha)** 1987;33(3):154–65

Lentil lectin inhibits cells producing graft–versus–host reaction but does not suppress hematopoietic stem cells in mice. Sala K, et al. **Immunobiology** 1986 Oct; 173(1):35–40

The separation of lymphocyte subpopulations with lectins. Poretz RD, et al. **Immunol Invest** 1986 Oct;15(6):521–9

Modification of suppressor/cytotoxic and helper subsets in lentil lectin–pretreated mice. Kinsky RG, et al. **Immunol Lett** 1986 Aug;13(1–2):51–3

Effect of various mitogens on the replication of Japanese encephalitis virus in human mononuclear leukocyte cultures. Kedarnath N, et al. **Indian J Med Res** 1986 Sep; 84:231–8

Induction of nonspecific cell–mediated cytotoxic reactivity from non–immune spleen cells treated with aloctin A. Imanishi K, et al. **Int J Immunopharmacol** 1986;8(7):781–7

Augmentation of lymphokine–activated killer cell activity in vitro by aloctin A. Imanishi K, et al. **Int J Immunopharmacol** 1986;8(8):855–8

Selective effects of human cord serum on distinct events of the lectin–induced activation and proliferation of thymic T–cells. Simić MM, et al. **Int J Immunopharmacol** 1986; 8(7):763–71

Modulation of receptors and cytotoxic response of tumor necrosis factor–alpha by various lectins. Aggarwal BB, et al. **J Biol Chem** 1986 Oct 15;261(29):13652–6

Inhibition of in vitro nuclear transport by a lectin that binds to nuclear pores. Finlay DR, et al. **J Cell Biol** 1987 Feb; 104(2):189–200

Prostaglandin synthesis in human T cells: its partial inhibition by lectins and anti–CD3 antibodies as a possible step in T cell activation. Aussel C, et al. **J Immunol** 1987 May 15;138(10):3094–9

Heterogeneity of human natural killer (NK) cells: enrichment of NK by negative–selection with the lectin from Erythrina cristagalli. Harris DT, et al. **J Leukocyte Biol** 1987 Aug; 42(2):163–70

Effects of intraneural injection of Ricinus communis agglutinin–60 into rat vagus nerve. Ling EA, et al. **J Neurocytol** 1987 Jun;16(3):373–87

Detection of Tn antigen with Vicia villosa agglutinin in urinary bladder cancer: its relevance to the patient's clinical course. Nishiyama T, et al. **JNCI** 1987 Jun;78(6):1113–8

Mechanism of action of ricin and related toxic lectins on eukaryotic ribosomes. Endo Y, et al. **Nucleic Acids Symp Ser** 1986;(17):187–90

Mistletoe lectins and their A and B chains. Franz H. **Oncology** 1986;43 Suppl 1:23–34 (55 ref.)

Autotomy in rats after nerve section compared with nerve degeneration following intraneural injection of Ricinus communis agglutinin I. Wiesenfeld–Hallin Z, et al. **Pain** 1987 Jul;30(1):93–102

The IgA–binding lectin jacalin induces complement activation by inhibition of C–1–inactivator function. Hiemstra PS, et al. **Scand J Immunol** 1987 Aug;26(2):111–7

Th activation in congenital hypoplastic anemia. Herman JH, et al. **Transfusion** 1987 May–Jun;27(3):253–6

Lytic effector cell function following kidney transplantation. Müller C, et al. **Transplant Proc** 1987 Apr;19(2):2932–8

The persistence of infectious pancreatic necrosis virus in Atlantic salmon. Knott RM, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):359–64

Evaluation of HLA–haplotype disparate parental marrow grafts depleted of T lymphocytes by differential agglutination with a soybean lectin and E–rosette depletion for the treatment of severe combined immunodeficiency. O'Reilly RJ, et al. **Vox Sang** 1986;51 Suppl 2:81–6

[The effect of low–frequency sinusoidal pulse electromagnetic fields on human lymphocytes stimulated with mitogenic lectins. Preliminary results] Alesse E, et al. **Boll Soc Ital Biol Sper** 1986 Jun 30;62(6):757–62 (Eng. Abstr.) (Ita)

[Cell surface receptors in lymphoid lines studied using lectins] Khomutovskil OA, et al. **Eksp Onkol** 1986;8(5):25–8 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Implications of endogenous tumor cell surface lectins as mediators of cellular interactions and lung colonization. Meromsky L, et al. **Cancer Res** 1986 Oct;46(10):5270–5

Bacterial lectins, cell–cell recognition and infectious disease. Sharon N. **FEBS Lett** 1987 Jun 15;217(2):145–57 (56 ref.)

Serum lectin with known structure activates complement through the classical pathway. Ikeda K, et al. **J Biol Chem** 1987 Jun 5;262(16):7451–4

TOXICITY

The mechanism of action of ricin and related toxic lectins on eukaryotic ribosomes. The site and the characteristics of the modification in 28 S ribosomal RNA caused by the toxins. Endo Y, et al. **J Biol Chem** 1987 Apr 25; 262(12):5908–12

Neuronotoxicity of axonally transported toxic lectins, abrin, modeccin and volkensin in rat peripheral nervous system. Wiley RG, et al. **Neuropathol Appl Neurobiol** 1987 Jan–Feb; 13(1):39–53

Blood glucose alterations induced in rats by canatoxin, a protein isolated from jack bean (Canavalia ensiformis) seeds. Ribeiro–DaSilva G, et al. **Toxicon** 1986;24(8):775–82

LECTINS, KIDNEY BEAN see **PHYTOHEMAGGLUTININS**

LECTINS, POKEWEED see **POKEWEED MITOGENS**

LECTINS, TRITICUM VULGARE see **WHEAT GERM AGGLUTININS**

LECTINS, WHEAT GERM see **WHEAT GERM AGGLUTININS**

LEECHES

Application of leeches to reduce swelling after reconstructive surgery. Makin CA, et al. **Br J Urol** 1987 Feb;59(2):189

Medical leeches as sources of wound infection. Mercer NS, et al. **Br Med J [Clin Res]** 1987 Apr 11;294(6577):937

Isolation and characterization of antistasin. An inhibitor of metastasis and coagulation. Tuszynski GP, et al. **J Biol Chem** 1987 Jul 15;262(20):9718–23

Nasal hirudiniasis. Rao KP, et al. **J Indian Med Assoc** 1986 Feb;84(2):55–6

Leeches [letter] Upton J. **Plast Reconstr Surg** 1987 Feb; 79(2):311

Severe anaemia and death due to the pharyngeal leech Myxobdella africana. Cundall DB, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):940–4

Nasal leech infestation of man. Campbell JR, et al. **Trop Geogr Med** 1987 Jan;39(1):94–5

[Hospital infections in relation to the use of leeches (letter)] Tissot–Guerraz F, et al. **Presse Med** 1987 May 16; 16(18):917 (Fre)

[The medical leech—Hirudo medicinalis. Natural occurrence, medical use and complications] Bruserud O, et al. **Tidsskr Nor Laegeforen** 1987 Jun 20;107(17–18):1533–4 (Eng. Abstr.) (Nor)

[New treatment method for stomalgia using medicinal leeches] Spitsyna VI. **Stomatologiia (Mosk)** 1987 Jan–Feb; 66(1):34–6 (Eng. Abstr.) (Rus)

ANALYSIS

The primary structure of bdellin B–3 from the leech Hirudo medicinalis. Bdellin B–3 is a compact proteinase inhibitor of a "non–classical" Kazal type. It is present in the leech

in a high molecular mass form. Fink E, et al. **Biol Chem Hoppe Seyler** 1986 Dec;367(12):1235–42

A group of related surface glycoproteins distinguish sets and subsets of sensory afferents in the leech nervous system. Peinado A, et al. **Brain Res** 1987 May 5;410(2):335–9

The saliva of the medicinal leech Hirudo medicinalis—I. Biochemical characterization of the high molecular weight fraction. Rigbi M, et al. **Comp Biochem Physiol [B]** 1987; 87(3):567–73

FMRFamide-like substances in the leech. III. Biochemical characterization and physiological effects. Li C, et al. **J Neurosci** 1987 Feb;7(2):595–603

ANATOMY & HISTOLOGY

Transmitter localization and vesicle turnover at a serotoninergic synapse between identified leech neurons in culture. Kuffler DP, et al. **J Comp Neurol** 1987 Feb 22;256(4):516–26

Development of segmental differences in the pressure mechanosensory neurons of the leech Haementeria ghilianii. Loer CM, et al. **J Comp Neurol** 1986 Dec 15; 254(3):403–9

DRUG EFFECTS

[Effect of tubocurarine on caffeine-induced contracture of the dorsal muscle in the leech] Roltrub BA, et al. **Fiziol Zh** 1987 Jul-Aug;33(4):101–4 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Centrifugation redistributes factors determining cleavage patterns in leech embryos. Astrow S, et al. **Dev Biol** 1987 Mar;120(1):270–83

A provisional epithelium in leech embryo: cellular origins and influence on a developmental equivalence group. Ho RK, et al. **Dev Biol** 1987 Apr;120(2):520–34

Differentiation of the O and P cell lines in the embryo of the leech. II. Genealogical relationship of descendant pattern elements in alternative developmental pathways. Shankland M. **Dev Biol** 1987 Sep;123(1):97–107

Differentiation of the O and p cell lines in the embryo of the leech. I. Sequential commitment of blast cell sublineages. Shankland M. **Dev Biol** 1987 Sep;123(1):85–96

Determination of cleavage pattern in embryonic blast cells of the leech. Shankland M. **Dev Biol** 1987 Apr;120(2):494–8

Early differences between alternate n blast cells in leech embryo. Bissen ST, et al. **J Neurobiol** 1987 May; 18(3):251–69

Extension and retraction of axonal projections by some developing neurons in the leech depends upon the existence of neighboring homologues. I. The HA cells. Gao WQ, et al. **J Neurobiol** 1987 Jan;18(1):43–59

Extension and retraction of axonal projections by some developing neurons in the leech depends upon the existence of neighboring homologues. II. The AP and AE neurons. Gao WQ, et al. **J Neurobiol** 1987 May;18(3):295–313

Development of neurotransmitter metabolism in embryos of the leech Haementeria ghilianii. Glover JC, et al. **J Neurosci** 1987 Feb;7(2):581–94

Cell death during gangliogenesis in the leech: competition leading to the death of PMS neurons has both random and nonrandom components. Macagno ER, et al. **J Neurosci** 1987 Jun;7(6):1911–8

Cell death during gangliogenesis in the leech: bipolar cells appear and then degenerate in all ganglia. Stewart RR, et al. **J Neurosci** 1987 Jun;7(6):1919–27

Cell lineage, cell death, and the developmental origin of identified serotonin- and dopamine-containing neurons in the leech. Stuart DK, et al. **J Neurosci** 1987 Apr; 7(4):1107–22

ENZYMOLOGY

A unique glycosphingolipid-splitting enzyme (ceramide-glycanase from leech) cleaves the linkage between the oligosaccharide and the ceramide. Li SC, et al. **Biochem Biophys Res Commun** 1986 Nov 26; 141(1):346–52

GROWTH & DEVELOPMENT

Segmental differentiation in the leech nervous system: the genesis of cell number in the segmental ganglia of Haemopis marmorata. Stewart RR, et al. **J Comp Neurol** 1986 Nov 8;253(2):253–9

METABOLISM

Chemical synthesis and expression of a gene coding for hirudin, the thrombin-specific inhibitor from the leech Hirudo medicinalis. Bergmann C, et al. **Biol Chem Hoppe Seyler** 1986 Aug;367(8):731–40

Isolation and characterization of hirudin isoinhibitors and sequence analysis of hirudin PA. Dodt J, et al. **Biol Chem Hoppe Seyler** 1986 Aug;367(8):803–11

Serotonin storage and uptake by identified neurons in the leech Haementeria ghilianii. Glover JC. **J Comp Neurol** 1987 Feb 1;256(1):117–27

The macroglial cells of the leech are molecularly heterogeneous. Flaster MS, et al. **J Neurosci Res** 1987; 17(2):176–83

[Evidence of apparent vasopressin and oxytocin peptides in the brain of the leech Rhynchobdelle Theromyzon tessulatum (O.F.M.)] Malecha J, et al. **Gen Comp Endocrinol** 1986 Oct;64(1):13–20 (Eng. Abstr.) **(Fre)**

[Antithrombotic effect of salivary gland secretion and other preparations from the leech Hirudo medicinalis after intravenous and peroral administration to rats] Baskova IP, et al. **Vopr Med Khim** 1986 Nov-Dec;32(6):90–3 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Axonal projections of the Retzius cells to the dorsal segmental root in the leech Hirudo medicinalis. Carretta M, et al. **Arch Ital Biol** 1987 Jan;125(1):37–44

Afferent sensillar inputs to the Retzius cell of the leech Hirudo medicinalis. Carretta M, et al. **Arch Ital Biol** 1987 Jan;125(1):45–57

Habituation of the shortening reflex in the medicinal leech. Lockery SR, et al. **Behav Neurosci** 1985 Apr;99(2):333–41

Regeneration of afferent axons into discrete tracts within peripheral nerves in the leech. Peinado A, et al. **Brain Res** 1987 May 5;410(2):330–4

The effects of procaine, strychnine and penicillin on nociceptive neurons in leech segmental ganglia. Johansen J, et al. **Comp Biochem Physiol [C]** 1987;86(2):405–9

Initiation of swimming activity by trigger neurons in the leech subesophageal ganglion. I. Output connections of Tr1 and Tr2. Brodfuehrer PD, et al. **J Comp Physiol [A]** 1986 Oct;159(4):489–502

Initiation of swimming activity by trigger neurons in the leech subesophageal ganglion. III. Sensory inputs to Tr1 and Tr2. Brodfuehrer PD, et al. **J Comp Physiol [A]** 1986 Oct;159(4):511–9

Initiation of swimming activity by trigger neurons in the leech subesophageal ganglion. II. Role of segmental swim-initiating interneurons. Brodfuehrer PD, et al. **J Comp Physiol [A]** 1986 Oct;159(4):503–10

Intracellular stimulation of sensory cells elicits swimming activity in the medicinal leech. Debski EA, et al. **J Comp Physiol [A]** 1987 Apr;160(4):447–57

Chemosensory stimuli in feeding behavior of the leech Hirudo medicinalis. Elliott EJ. **J Comp Physiol [A]** 1986 Sep;159(3):391–401

Cholinergic action on the heart of the leech, Hirudo medicinalis. Calabrese RL, et al. **J Exp Biol** 1986 Sep; 125:205–24

Control of leech swimming activity by the cephalic ganglia. Brodfuehrer PD, et al. **J Neurobiol** 1986 Nov;17(6):697–705

Differential time course of the response to axotomy induced by cut or crush in the leech AP cell. Matteoli M, et al. **J Neurobiol** 1986 Sep;17(5):373–81

Lipid composition and temperature adaptation of the nervous system of the leech Hirudo medicinalis L. Spinedi A, et al. **J Neurochem** 1987 Jul;49(1):45–9

Transient and delayed potassium currents in the Retzius cell of the leech, Macrobdella decora. Johansen J, et al. **J Neurophysiol** 1986 Sep;56(3):812–22

Evidence for GABA as a neurotransmitter in the leech. Cline HT. **J Neurosci** 1986 Oct;6(10):2848–56

Differential sensitivity of tetrodotoxin of nociceptive neurons in 4 species of leeches. Johansen J, et al. **J Neurosci** 1986 Dec;6(12):3499–504

New medical and scientific uses of the leech [news] Lent C. **Nature** 1986 Oct 9–15;323(6088):494

[Detection of prostaglandins in preparations from medicinal leeches (Hirudo medicinalis)] Baskova IP, et al. **Dokl Akad Nauk SSSR** 1987;292(6):1492–3 **(Rus)**

ULTRASTRUCTURE

Morphology of chemosensory organs required for feeding in the leech Hirudo medicinalis. Elliott EJ. **J Morphol** 1987 May;192(2):181–7

LEG

see related

HINDLIMB

A case of localised tetanus. Clinical findings, secondary spinal computerized myelography and electrophysiology. Julić A, et al. **Acta Med Iugosl** 1987;41(2):151–61

Effects of prolonged intensive versus moderate leg training on the untrained arm exercise response in angina pectoris. Ben-Ari E, et al. **Am J Cardiol** 1987 Feb 1;59(4):231–4

Effects of graded exercise on leg exchange of energy substrates in malignant hyperthermia susceptible subjects. Rutberg H, et al. **Anesthesiology** 1987 Sep;67(3):308–13

Painful leg syndrome (pseudo-phlebitis). Dwek JH, et al. **Angiology** 1976 Jan;27(1):8–12

Magnetic resonance imaging versus computed tomography in the evaluation of soft tissue tumors of the extremities. Chang AE, et al. **Ann Surg** 1987 Apr;205(4):340–8

Acute renal failure following hyperthermic isolation perfusion of the left leg. Rauschecker HF, et al. **Anticancer Res** 1987 May-Jun;7(3 Pt B):451–3

MRI of multiple limb abscesses in a child. Cremin BJ, et al. **Australas Radiol** 1987 May;31(2):202–3

Regional migratory osteoporosis of the lower extremities with vertebral osteoporosis. Mavichak V, et al. **Bone** 1986; 7(5):343–9

A quinine a day keeps the leg cramps away? Warburton A, et al. **Br J Clin Pharmacol** 1987 Apr;23(4):459–65

Painful, swollen calf in a patient with SLE [letter] Reilly PA, et al. **Br J Rheumatol** 1987 Aug;26(4):319–20

Tibialis anterior muscle hernia: a rationale for treatment. Miniaci A, et al. **Can J Surg** 1987 Mar;30(2):79–80

Unilateral left leg edema: a variation of the May-Thurner syndrome. Hassell DR, et al. **Cardiovasc Intervent Radiol** 1987;10(2):89–91

Skin tumors. Rabinowitz AD. **Clin Dermatol** 1983 Jul-Sep; 1(1):54–66

Spontaneous rupture of the tibialis anterior tendon. A case report. Kashyap S, et al. **Clin Orthop** 1987 Mar;(216):159–61

Magnetic resonance imaging appearance of supernumerary soleus muscle. Pettersson H, et al. **Eur J Radiol** 1987 May; 7(2):149–50

Angiosarcoma affecting the bones of the lower extremities. A case report. Cohen M, et al. **J Am Podiatr Med Assoc** 1987 Jun;77(6):297–302

Medical imaging of the foot and leg. An overview. Kravette MA. **J Am Podiatr Med Assoc** 1987 Aug;77(8):462–6

Kaposi's sarcoma of the lower extremity. A case report. Shilling GA, et al. **J Am Podiatr Med Assoc** 1987 Feb; 77(2):89–92

A dynamic optimization technique for predicting muscle forces in the swing phase of gait. Davy DT, et al. **J Biomech** 1987;20(2):187–201

Comparison between EMG to force processing and kinetic analysis for the calf muscle moment in walking and stepping. Hof AL, et al. **J Biomech** 1987;20(2):167–78

Stance phase control of above-knee prostheses: knee control versus SACH foot design. Stein JL, et al. **J Biomech** 1987; 20(1):19–28

A case of trichilemmal cyst on the leg. Nakamura S, et al. **J Dermatol (Tokyo)** 1987 Apr;14(2):178–9

Merkel cell carcinoma. Doyle MA. **J Foot Surg** 1986 Sep-Oct;25(5):374–7

Infections involving the skin and soft tissues of the lower extremities. Rolston KV. **J Foot Surg** 1987 Jan-Feb;26(1 Suppl):S25–9

Malignant alveolar soft-part tumor of leg: report of a case of 15-year duration. Shuangshoti S, et al. **J Med Assoc Thai** 1986 Dec;69(12):679–86

Pain in sciatica depresses lower limb nociceptive reflexes to sural nerve stimulation. Willer JC, et al. **J Neurol Neurosurg Psychiatry** 1987 Jan;50(1):1–5

The swollen leg. Lewis MR. **J Tenn Med Assoc** 1986 Oct; 79(10):609–10

Treatment of discogenic back and leg pain based on differentiation of symptom-complex according to traditional Chinese medicine. Jiang WZ, et al. **J Tradit Chin Med** 1986 Dec;6(4):267–72

Posterior compartment syndrome of the calf resulting from misdiagnosis of a rupture of the medial head of the gastrocnemius. Anouchi YS, et al. **J Trauma** 1987 Jun; 27(6):678–80

Pain management after lower extremity amputation. Iacono RP, et al. **Neurosurgery** 1987 Mar;20(3):496–500 (58 ref.)

Inhibition of the human flexion reflex by low intensity, high frequency transcutaneous electrical nerve stimulation (TENS) has a gradual onset and offset. Chan CW, et al. **Pain** 1987 Feb;28(2):239–53

Low back and leg pain. Schurman DJ, et al. **Primary Care** 1974 Dec;1(4):549–63

Hexcelite versus plaster of Paris: a controlled trial of the below-knee walking cast. Jørgensen U, et al. **Prosthet Orthot Int** 1986 Dec;10(3):114–6

Caudal epidural analgesia for neurogenic leg pain [letter] Driver-Jowitt JP. **S Afr Med J** 1986 Oct 11;70(8):506–8

Quantified electromyography of lower-limb muscles during level walking. Ericson MO, et al. **Scand J Rehabil Med** 1986;18(4):159–63

Myelographic defect on the side opposite the leg pain. A case report with an explanation of mechanism of action. Auld AW, et al. **Spine** 1979 Mar-Apr;4(2):174–5

Vascular reconstruction for limb salvage in soft tissue sarcomas. Nambisan RN, et al. **Surgery** 1987 Jun; 101(6):668–77

Isolated regional perfusion in malignant melanoma of the extremities. Schraffordt Koops H, et al. **World J Surg** 1987 Aug;11(4):527–33

[The significance of adductors in dysplastic hips] Slačálková J. **Acta Chir Orthop Traumatol Cech** 1987 Apr;54(2):108–12 (Eng. Abstr.) **(Cze)**

[Value of stabilization of the tarsus in certain pseudo-vascular predominantly anterolateral leg pains] Acker D, et al. **Phlebologie** 1987 Apr-Jun;40(2):265–76 (Eng. Abstr.) **(Fre)**

[Edema of the lower extremities in the aged patient] Gruffaz J. **Phlebologie** 1986 Oct-Dec;39(4):855–62 (Eng. Abstr.) **(Fre)**

[Pain in the foot or calf in a patient with varicose veins is not always of venous origin. Apropos of 13 cases] Guillerot E, et al. **Phlebologie** 1987 Apr-Jun;40(2):261–4 (Eng. Abstr.) **(Fre)**

[Classical Kaposi's sarcoma. Study of the lymphatic system of lower limbs] Fei L, et al. **Presse Med** 1987 Jun 20; 16(24):1188–90 (Eng. Abstr.) **(Fre)**

[Spontaneous fissures and fractures of the legs in patients with osteoporosis treated with sodium fluoride] Orcel P, et al. **Presse Med** 1987 Apr 4;16(12):571–5 (Eng. Abstr.) **(Fre)**

[Leg pains of vascular origin] Limet R, et al. **Rev Med Liege** 1987 May 15;42(10):523–5 **(Fre)**

[Secondary lymphedema of the lower extremities as an unusual initial manifestation of stomach cancer] Plauth M,

et al. **Med Klin** 1987 Jan 16;82(1):36–9 **(Ger)**

[Lipedema from the differential diagnostic and therapeutic viewpoint] Schmitz R. **Z Hautkr** 1987 Jan 15;62(2):146–57 (Eng. Abstr.) **(Ger)**

[Multicenter study on the therapeutic activity of buflomedil chlorhydrate in obliterative arteriopathies of the legs] Allegra C, et al. **Clin Ter** 1986 Oct 15;119(1):25–33 (Eng. Abstr.) **(Ita)**

[Capillary cavernous hemangioma. Possibilities of instrumental diagnosis] Tortora M, et al. **Radiol Med (Torino)** 1986 Oct;72(10):775–8 **(Ita)**

[Clinical problems of the diagnosis and treatment of primary malignant neoplasms of the locomotor system] Warda E, et al. **Chir Narzadow Ruchu Ortop Pol** 1987;52(1):15–20 (Eng. Abstr.) **(Pol)**

[Evaluation of prognostic factors in patients treated for skin cancer of the extremities (SCE)] Kurek S. **Nowotwory** 1986 Jul–Sep;36(3):222–30 (Eng. Abstr.) **(Pol)**

[Value of perfusion and infusion in the treatment of malignant melanoma of the lower extremities] Meyza J. **Pediatr Pol** 1986 Aug;61(8):521–3 **(Pol)**

[Thrombocytopenic purpura in a 20-year-old patient with Kasabach–Merritt syndrome] Szmigiel Z, et al. **Wiad Lek** 1987 Mar 1;40(5):327–32 (Eng. Abstr.) **(Pol)**

[Functional tests in determining indicators for the creation of lymphovenous anastomoses in patients with lymphedema of the extremities] Savchenko TV. **Klin Khir** 1986;(7):23–5 (Eng. Abstr.) **(Rus)**

[Complex treatment of functional disorders of the legs in patients with infantile cerebral palsy] Gertsen IG, et al. **Ortop Travmatol Protez** 1986 Jul;(7):45–8 **(Rus)**

[Instrumental and surgical methods in treating arthrogrypotic deformities of the extremities in children] Mirazimov BM, et al. **Ortop Travmatol Protez** 1987 May;(5):44–6 (Eng. Abstr.) **(Rus)**

[Bone changes in the lower extremities after high-speed skiing] Egorov EP. **Voen Med Zh** 1987 May;(5):67 **(Rus)**

[Indications for prophylactic lymphadenectomy in skin melanoma of the lower limbs] Vagner RI, et al. **Vopr Onkol** 1986;32(12):13–8 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Sirenoid monopodia with defects of right abdominal wall and lower limb associated with chromosome abnormality. Ueda N, et al. **Acta Pathol Jpn** 1986 Dec;36(12):1943–7

Congenital limb reduction deformities and use of oral contraceptives. Kricker A, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1072–8

The CHILD syndrome. Histologic and ultrastructural studies. Hebert AA, et al. **Arch Dermatol** 1987 Apr; 123(4):503–9

Lower limb deformity and prevention of scoliosis in cerebral palsy. Robson P. **Arch Dis Child** 1987 Jun;62(6):547–8

Heterozygous manifestations of Langer mesomelic dysplasia. Goldblatt J, et al. **Clin Genet** 1987 Jan;31(1):19–24

The phlebotome in the management of incompetent perforating veins and venous ulceration. Simpson CJ, et al. **J Cardiovasc Surg (Torino)** 1987 May–Jun;28(3):279–81

Ectrodactyly in sisters and half sisters. Mufti MH, et al. **J Med Genet** 1987 Apr;24(4):220–4

An unusual case of caudal duplication. Surendran N, et al. **J Pediatr Surg** 1986 Nov;21(11):924–5

Popliteal pterygium syndrome. Steinberg B, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jan;63(1):17–20

Torsional deformity. Staheli LT. **Pediatr Clin North Am** 1986 Dec;33(6):1373–83

Static measurement of tibia vara. Reliability and effect of lower extremity position. Lohmann KN, et al. **Phys Ther** 1987 Feb;67(2):196–202

Campomelic syndrome: concepts of the bowing and shortening in the lower limbs. Lazjuk GI, et al. **Teratology** 1987 Feb;35(1):1–8

[Oromandibular and limb malformation syndromes. Reflections on hypoglossia–hypodactyly] Boutsen M, et al. **Rev Stomatol Chir Maxillofac** 1987;88(3):168–78 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Fiber-type composition of selected hindlimb muscles of a primate (cynomolgus monkey). Acosta L Jr, et al. **Anat Rec** 1987 Jun;218(2):136–41

Anthropometric prediction of component tissue masses in the minor limb segments of the human body. Clarys JP, et al. **Hum Biol** 1986 Oct;58(5):761–9

Performance during the Wingate anaerobic test and muscle morphology in males and females. Froese EA, et al. **Int J Sports Med** 1987 Feb;8(1):35–9

The proximal and distal tarsal tunnel syndromes. An anatomical study. Heimkes B, et al. **Int Orthop** 1987; 11(3):193–6

Anthropometric and computerized tomographic measurements of lower extremity lean body mass. Buckley DC, et al. **J Am Diet Assoc** 1987 Feb;87(2):196–9

On the allometry of long bones in dogs (Canis familiaris). Casinos A, et al. **J Morphol** 1986 Oct;190(1):73–9

Medial flap of the shank—anatomical study and clinical application. Hong GX, et al. **J Tongji Med Univ** 1986; 6(4):246–50

Changes in nuclear magnetic resonance (T2) relaxation of limb tissue with bed rest. LeBlanc A, et al. **Magn Reson Med** 1987 May;4(5):487–92

Anatomy of the subcutaneous tissue of the trunk and lower extremity. Markman B, et al. **Plast Reconstr Surg** 1987 Aug; 80(2):248–54

[The rectus femoris muscle—the beginning tendon, its functional significance] Doskočil M, et al. **Acta Chir Orthop Traumatol Cech** 1987 Apr;54(2):99–107 (Eng. Abstr.) **(Cze)**

[Shape of the children's leg] Nagatomo M. **Ann Physiol Anthropol** 1985 Oct;4(4):340–1 **(Jpn)**

[Study of the axes of the lower extremities and feet in children aged 3 to 6] Kandzierski G. **Chir Narzadow Ruchu Ortop Pol** 1986;51(5):392–7 (Eng. Abstr.) **(Pol)**

BLOOD SUPPLY

Evaluation of the usefulness of enzymatic diagnosis of myocardial infarction in patients with acute arterial occlusion of the lower extremities. Andersen PT, et al. **Acta Anaesthesiol Scand** 1987 Jan;31(1):38–43

Bradycardia during hypotension following release of a tourniquet in orthopaedic surgery. Jacobsen J, et al. **Acta Anaesthesiol Scand** 1986 Oct;30(7):511–4

Effect of spinal versus epidural anaesthesia with 0.5% bupivacaine on lower limb blood flow. Perhoniemi V, et al. **Acta Anaesthesiol Scand** 1987 Feb;31(2):117–21

Arteriovenous shunt-circulation in lymphoedematous limbs. Solti F, et al. **Acta Chir Hung** 1986;27(4):223–31

Arterial thromboembolectomy—should anticoagulants be administered? Jivegård L, et al. **Acta Chir Scand** 1986 Aug–Sep;152:493–7

Transcutaneous PO2 and laser Doppler blood flow measurements in 40 patients with venous leg ulcers. Sindrup JH, et al. **Acta Derm Venereol (Stockh)** 1987;67(2):160–3

The regulation of subcutaneous blood flow in patient with Dercum's disease. Skagen K, et al. **Acta Derm Venereol (Stockh)** 1986;66(4):337–9

Peripheral arterial disease—natural outcome. Lassila R, et al. **Acta Med Scand** 1986;220(4):295–301

Diagnosis of chronic anterior compartment syndrome in the lower leg. Styf JR, et al. **Acta Orthop Scand** 1987 Apr; 58(2):139–44

A comparison of techniques for improved visualization of the arteries of the distal lower extremity. Cohen MI, et al. **AJR** 1986 Nov;147(5):1021–4

Lower-extremity venography: value of femoral-vein compression. Smith TP, et al. **AJR** 1986 Nov;147(5):1025–6

Mitral valve prolapse with mobile polypoid cul-de-sac thrombus and embolism to brain and lower extremity. Egeblad H, et al. **Am Heart J** 1987 Sep;114(3):648–50

Laser recanalization in severe end-stage peripheral vascular disease. Lee G, et al. **Am J Cardiol** 1987 Feb 1;59(4):386–7

Comparison of bleeding times performed on the arm and the leg. Hertzendorf LR, et al. **Am J Clin Pathol** 1987 Mar; 87(3):393–6

Thigh and leg compartment syndrome in the absence of lower extremity trauma following MAST application. Kunkel JM. **Am J Emerg Med** 1987 Mar;5(2):118–20

Outflow resistance measurement during infrainguinal arterial reconstructions: a reliable predictor of limb salvage. Ascer E, et al. **Am J Surg** 1987 Aug;154(2):185–8

In situ saphenous vein bypass: 1962 to 1987. Connolly JE. **Am J Surg** 1987 Jul;154(1):2–10 (49 ref.)

Prospective comparison of noninvasive techniques for amputation level selection. Malone JM, et al. **Am J Surg** 1987 Aug;154(2):179–84

Use of the short saphenous vein in situ for popliteal-to-distal artery bypass. Shandall AA, et al. **Am J Surg** 1987 Aug; 154(2):240–4

Autogenous reversed vein bypass for lower extremity ischemia in patients with absent or inadequate greater saphenous vein. Taylor LM Jr, et al. **Am J Surg** 1987 May; 153(5):505–10

Salvage of lower extremities following combined orthopedic and vascular trauma. A predictive salvage index. Howe HR Jr, et al. **Am Surg** 1987 Apr;53(4):205–8

Distal bypass for limb salvage in very elderly patients. O'Mara CS, et al. **Am Surg** 1987 Feb;53(2):66–70

Delayed skin oxygenation following distal tibial revascularization (DTR). Implications for wound healing in late amputations. Rhodes GR, et al. **Am Surg** 1986 Oct; 52(10):519–25

Comparative study of the distribution of venous valves in the lower extremities of black Africans and Caucasians: pathogenetic correlates of prevalence of primary varicose veins in the two races. Banjo AO. **Anat Rec** 1987 Apr; 217(4):407–12

Small vessel reconstructive surgery of the lower extremities. Dardik H, et al. **Angiology** 1975 Oct;26(9):683–8

Rheological and anticoagulant therapy of patients with chronic peripheral occlusive arterial disease (COAD). Deutschinoff A, et al. **Angiology** 1987 May;38(5):351–8

Treatment of complications of peripheral obstructive arterial disease with prostaglandin E1. Killion DD, et al. **Angiology** 1987 Jul;38(7):507–13

A new method for the quantitative assessment of arterial insufficiency of the limbs: cutaneous postischemic hyperemia test by laser Doppler. Leonardo G, et al. **Angiology** 1987 May;38(5):378–85

Transcutaneous oxygen tension behavior in the different stages of peripheral vascular disease and its correlation with ankle/arm pressure ratio and calf blood flow. Mannarino E, et al. **Angiology** 1987 Jun;38(6):463–8

The influence of sympathetic nerves on transcutaneous oxygen tension in normal and ischemic lower extremities. Rooke TW, et al. **Angiology** 1987 May;38(5):400–10

Exercise testing using Doppler ultrasound and xenon clearance techniques. Jao JS. **Angiology** 1975 Jul–Aug; 26(7):528–33

Doppler waveform analysis in the management of lower limb arterial disease [letter] Baker AR, et al. **Ann R Coll Surg Engl** 1986 Jul;68(4):236

Below knee femoropopliteal bypass in severe ischaemia: results using EXS Dacron and human umbilical vein. Clifford PC, et al. **Ann R Coll Surg Engl** 1986 Nov; 68(6):319–22

Incompetent perforating vein ligation in the treatment of venous ulceration. Thomas AM, et al. **Ann R Coll Surg Engl** 1986 Jul;68(4):214–5

Long term follow-up of in loco-fibrinolytic therapy in acute ischemia of lower limbs. Vandenbosch G, et al. **Ann Radiol (Paris)** 1987;30(2):147–50

Successful treatment of osteomyelitis and soft tissue infections in ischemic diabetic legs by local antibiotic injections and the end-diastolic pneumatic compression boot. Dillon RS. **Ann Surg** 1986 Dec;204(6):643–9

Preoperative saphenous and cephalic vein mapping as an adjunct to reconstructive arterial surgery. Seeger JM, et al. **Ann Surg** 1987 Jun;205(6):733–9

Reversed vein bypass to infrapopliteal arteries. Modern results are superior to or equivalent to in-situ bypass for patency and for vein utilization. Taylor LM Jr, et al. **Ann Surg** 1987 Jan;205(1):90–7

Sequential femoro-popliteal-tibial bypass grafting: operative technique and results. Lamberth WC Jr, et al. **Ann Thorac Surg** 1986 Dec;42(6 Suppl):S31–5

In situ artery bypass. Surgery for leg salvage. Bensen JL, et al. **AORN J** 1987 Jan;45(1):40–9, 52–5

DVT equals deep venous thrombosis? [letter] Kraner JC. **Arch Intern Med** 1987 Aug;147(8):1511, 1513

Totally autogenous venovenous composite bypass grafts. Salvage of the almost irretrievable extremity. Harris RW, et al. **Arch Surg** 1986 Oct;121(10):1128–32

Crush syndrome due to limb compression. Kikta MJ, et al. **Arch Surg** 1987 Sep;122(9):1078–81

The management of early in situ saphenous vein bypass occlusions. Shoenfeld NA, et al. **Arch Surg** 1987 Aug; 122(8):871–5

Increased pulse pressure in patients with arteriosclerosis obliterans of the lower limbs. Safar ME, et al. **Arteriosclerosis** 1987 May–Jun;7(3):232–7

Peripheral arterial embolism: 1961–1985. Englund R, et al. **Aust NZ J Surg** 1987 Jan;57(1):27–31

Self-regulation treatment of post-polio cold limb. Dietvorst TF, et al. **Biofeedback Self Regul** 1986 Jun;11(2):157–61

Late ischaemic sequelae after umbilical artery catheterization. Bergqvist D, et al. **Br J Surg** 1987 Jul;74(7):628–9

Early results of low dose intra-arterial streptokinase therapy in acute and subacute lower limb arterial ischaemia. Earnshaw JJ, et al. **Br J Surg** 1987 Jun;74(6):504–7

Oxygen inhalation induced changes in the skin as measured by transcutaneous oxymetry. McCollum PT, et al. **Br J Surg** 1986 Nov;73(11):882–5

Direct arterial pressure measurements during operation to assess adequacy of arterial reconstruction in lower limb ischaemia. Tweedie JH, et al. **Br J Surg** 1986 Nov; 73(11):879–81

A reliable and readily available method of measuring limb blood flow in intermittent claudication. Wilkinson D, et al. **Br J Surg** 1987 Jun;74(6):516–9

Occlusion of the aortofemoral prosthetic graft. Downs AR. **Can J Surg** 1986 Sep;29(5):342–4

The la-z-boy position and muscle blood flow in the lower limbs. Gately JF, et al. **Can J Surg** 1986 Sep;29(5):367–8

Efficacy of isolated profundaplasty. Graham AM, et al. **Can J Surg** 1986 Sep;29(5):330–2

Experience with distal in-situ vein grafts. Grant KC. **Can J Surg** 1987 May;30(3):163–6

Management of primary acute arterial occlusion. McPhail NV. **Can J Surg** 1986 Sep;29(5):344–7

Occluded infrainguinal reconstructions. Mannick JA. **Can J Surg** 1986 Sep;29(5):349–50

Pathophysiology of acute arterial occlusion. Walker PM. **Can J Surg** 1986 Sep;29(5):340–2

Coagulation responses to heparin in the ischemic limb: assessment of thrombin and platelet activation during vascular surgery. Sobel M, et al. **Circulation** 1987 Sep;76(3 Pt 2):III8–13

Vascular diseases of the lower extremities. Kidawa AS, et al. **Clin Dermatol** 1983 Jul–Sep;1(1):67–76

Technetium-99m red blood cell venography of the lower limb in symptomatic pulmonary embolization. Lisbona R, et al. **Clin Nucl Med** 1987 Feb;12(2):93–8

Comparison of laser Doppler and Doppler ultrasound in lower limb vascular diagnosis. Cochrane T, et al. **Clin Phys Physiol Meas** 1987 Aug;8(3):231–8

Effect of adrenaline on exchange of glucose in leg tissues and splanchnic area. A comparison with the metabolic response to surgical stress. Håkanson E, et al. **Clin Physiol** 1986 Oct;6(5):439–51

Validation of a non-invasive method for localization of atherosclerotic occlusive disease in the legs. Jonason T, et al. **Clin Physiol** 1986 Dec;6(6):529–37

The transcapillary exchange of sodium fluorescein in

ischaemic limbs measured by fluorescein flowmetry. Perbeck L, et al. **Clin Physiol** 1987 Apr;7(2):95–103

Regional blood supply and the selection of flaps for reconstruction. Grotting JC, et al. **Clin Plast Surg** 1986 Oct;13(4):581–93

Management of lower limb vascular injuries. Khalil IM, et al. **Clin Plast Surg** 1986 Oct;13(4):711–22 (42 ref.)

Vascular evaluation and treatment of the diabetic. Gibbons GW, et al. **Clin Podiatr Med Surg** 1987 Apr;4(2):377–81

The place of percutaneous transluminal angioplasty in the treatment of patients having angiography for ischaemic disease of the lower limb. McLean L, et al. **Clin Radiol** 1987 Mar;38(2):157–60

Endogenous plasminogen activator and venous flow: therapeutic implications. Guyton DP, et al. **Crit Care Med** 1987 Feb;15(2):122–5

Pneumatic antishock garments detrimental in elderly with diminished myocardial reserve. Jabbour I, et al. **Curr Surg** 1986 Nov–Dec;43(6):498–501

Peripheral veno–lymphatic communications. Vas WG, et al. **Diagn Imag Clin Med** 1986;55(6):343–7

Evaluation of peripheral vascular disease by intravenous digital subtraction angiography with the Fuji computed radiography (FCR) system. Maeda M, et al. **Digitale Bilddiagn** 1987 Mar;7(1):15–9

An alternative method for calculating changes in arterial calf blood flow at rest. An initial study. Perhoniemi V, et al. **Eur J Appl Physiol** 1986;55(6):630–3

Importance of the preoperative haemoglobin concentration in arterial surgery. Matrai A, et al. **Eur Surg Res** 1987; 19(1):1–5

Surgical management of late post–traumatic and ischemic neuropathies involving the lower extremities: classification and results of therapy. Lusskin R, et al. **Foot Ankle** 1986 Oct;7(2):95–104

Fibrinolytic treatment of severe arterial disease of the legs. Bonnet J, et al. **Haemostasis** 1986;16 Suppl 3:86–9

Is a combination of urokinase and Lys–plasminogen by regional infusion indicated in ischaemia due to popliteal or infra–popliteal thrombosis? Giraud C, et al. **Haemostasis** 1986;16 Suppl 3:79–82

Digital enhancement of the peripheral admittance plethysmogram. Marks LA. **IEEE Trans Biomed Eng** 1987 Mar;34(3):192–8

A low–pressure tourniquet system for the lower limb. Muirhead A, et al. **Injury** 1986 Jan;17(1):53–4

Results of thrombectomy in recent thrombosis of the crural and popliteal veins. Denck H. **Int Angiol** 1987 Jan–Mar; 6(1):89–93

Extended femoro–distal bypasses for limb salvage: are they worthwhile? Doerrler J, et al. **Int Angiol** 1986 Jul–Sep; 5(3):131–5

Isovolemic hemodilution: a therapeutical intervention for improving microcirculation. Rudofsky G. **Int Angiol** 1986 Jul–Sep;5(3):151–4

Transluminal catheter dilatation. Indications, technical aspects, results. Zeitler E. **Int Angiol** 1986 Jul–Sep; 5(3):137–50

Interactions of dihydroergotamine with etilefrine in human leg veins in vitro and in situ. Barthel W, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Feb;25(2):63–9

Transcutaneous oxygen pressure measured at two different electrode core temperatures in healthy volunteers and patients with arterial occlusive disease. Creutzig A, et al. **Int J Microcirc Clin Exp** 1987;5(4):373–80

The acute management of severe limb ischaemia. Yeo C, et al. **Ir Med J** 1986 Oct;79(10):285–7

Peripheral vascular disease in a middle–aged population sample. The Jerusalem Lipid Research Clinic Prevalence Study. Gofin R, et al. **Isr J Med Sci** 1987 Mar;23(3):157–67

Modifications of transcutaneous oxygen tension in lower limb peripheral arterial occlusive disease patients treated with spinal cord stimulation. Sciacca V, et al. **Ital J Surg Sci** 1986;16(4):279–82

Thromboembolism and antithrombotic therapy in peripheral arterial disease. Bounameaux H, et al. **J Am Coll Cardiol** 1986 Dec;8(6 Suppl B):98B–103B (53 ref.)

Maximal vascular leg conductance in trained and untrained men. Snell PG, et al. **J Appl Physiol** 1987 Feb;62(2):606–10

Vascular complications of total knee arthroplasty. Report of three cases. Rand JA. **J Arthroplasty** 1987;2(2):89–93

The use of urokinase in ischemic replanted extremities in rats. Zdeblick TA, et al. **J Bone Joint Surg [Am]** 1987 Mar; 69(3):442–9

Noninvasive determination of skin perfusion pressure using a laser Doppler. Castronuovo JJ Jr, et al. **J Cardiovasc Surg (Torino)** 1987 May–Jun;28(3):253–7

Intra–operative and post–operative flow in the in–situ saphenous vein bypass. Corson JD, et al. **J Cardiovasc Surg (Torino)** 1987 Jul–Aug;28(4):445–8

Silent posterior tibial artery aneurysm. Report of a case and review of literature. Jenyo MS. **J Cardiovasc Surg (Torino)** 1987 Jul–Aug;28(4):456–9

Profunda femoris revascularization in limb salvage. Miksic K, et al. **J Cardiovasc Surg (Torino)** 1986 Sep–Oct; 27(5):544–52

Gastrocnemius compression sign in arterial insufficiency of the leg. Mozes M, et al. **J Cardiovasc Surg (Torino)** 1987 May–Jun;28(3):277–8

Intra–arterial prostacyclin compared to Praxilene in the management of severe lower limb ischaemia: a double blind trial. Negus D, et al. **J Cardiovasc Surg (Torino)** 1987 Mar–Apr;28(2):196–9

Successful vascular reconstruction after inadvertent femoral artery "stripping".Pegoraro M, et al. **J Cardiovasc Surg (Torino)** 1987 Jul–Aug;28(4):440–4

The significance of tibial artery disease in the management of popliteal aneurysms. Raptis S, et al. **J Cardiovasc Surg (Torino)** 1986 Nov–Dec;27(6):703–8

Management of extremity ischemia secondary to radiation therapy. Rosenfeld JC, et al. **J Cardiovasc Surg (Torino)** 1987 May–Jun;28(3):266–9

Rapid and sensitive method for the determination of arterial–venous differences and leg efflux of 3–methylhistidine using ion–pair high–performance liquid chromatography and post–column fluorescence derivatization. Andersson E, et al. **J Chromatogr** 1987 Feb 20;414(1):174–9

Pseudo–Kaposi sarcoma with a possible relationship to obesity. Hatakenaka K, et al. **J Dermatol (Tokyo)** 1986 Dec; 13(6):477–9

Intra–arterial digital angiography of distal tibial vessels: improved preoperative evaluation for limb salvage procedures. Morano JU, et al. **J Miss State Med Assoc** 1987 Feb;28(2):31–4

Primary arterial thrombosis in ulcerative colitis. Cuschieri RJ, et al. **J R Coll Surg Edinb** 1987 Apr;32(2):104–5

Delayed presentation of traumatic false aneurysms. Nicholson ML, et al. **J R Coll Surg Edinb** 1987 Feb;32(1):37–8

An alternative method for distal extremity bypass with a short greater saphenous vein. Gonzalez GD, et al. **J SC Med Assoc** 1986 Oct;82(10):625–30

Pneumatic antishock garments (PASG): do they precipitate lower–extremity compartment syndromes? Christensen KS. **J Trauma** 1986 Dec;26(12):1102–5

Lower extremity cyanosis: an unusual presentation of congenital paraureteral diverticula. Valadez R, et al. **J Urol** 1987 Aug;138(2):364–5

Arm veins for arterial revascularization of the leg: arteriographic and clinical observations. Andros G, et al. **J Vasc Surg** 1986 Nov;4(5):416–27

Durability of the in situ saphenous vein arterial bypass: a comparison of primary and secondary patency. Bandyk DF, et al. **J Vasc Surg** 1987 Feb;5(2):256–68

Reoperation for aortofemoral graft limb occlusion: optimal methods and long–term results. Brewster DC, et al. **J Vasc Surg** 1987 Feb;5(2):363–74

Intraoperative fibrinolytic therapy [letter] Earnshaw JJ, et al. **J Vasc Surg** 1987 Jul;6(1):98

Femorofemoral grafts for lower limb ischemia caused by intra–aortic balloon pump. Friedell ML, et al. **J Vasc Surg** 1987 Jan;5(1):180–6

Effect of commercially available pantyhose on venous return in the lower extremity. Godin MS, et al. **J Vasc Surg** 1987 Jun;5(6):844–8

Congenital aneurysms of the deep veins of the lower extremities. Gorenstein A, et al. **J Vasc Surg** 1987 May; 5(5):765–8

Intravascular shunts in complex lower limb trauma. Khalil IM, et al. **J Vasc Surg** 1986 Dec;4(6):582–7

Abdominal aortic ectasia resulting from peripheral traumatic arteriovenous fistulization. Kieser TM, et al. **J Vasc Surg** 1987 Jun;5(6):882–6

Mortality and limb loss with infected infrainguinal bypass grafts. Kikta MJ, et al. **J Vasc Surg** 1987 Apr;5(4):566–71

Long–term follow–up of patients having infrainguinal bypass performed below stenotic but hemodynamically normal aortoiliac vessels. Kikta MJ, et al. **J Vasc Surg** 1987 Feb; 5(2):319–28

The predictability of the success of arterial reconstruction by means of transcutaneous oxygen tension measurements. Oh PI, et al. **J Vasc Surg** 1987 Feb;5(2):356–62

The multiple sequential distal bypass graft: seven–year follow–up. Perler BA, et al. **J Vasc Surg** 1987 Sep; 6(3):296–300

Acute limb ischemia: thromboembolism. Tawes RL Jr, et al. **J Vasc Surg** 1987 Jun;5(6):901–3

The lesser saphenous vein: autogenous tissue for lower extremity revascularization. Weaver FA, et al. **J Vasc Surg** 1987 May;5(5):687–92

Local percutaneous nitroglycerine therapy for "burning feet" syndrome [letter] Lewis GB. **Med J Aust** 1987 Jan 5; 146(1):56

Ischaemic gangrene of leg due to ring constriction: a case report. Thambi Dorai CR. **Med J Malaysia** 1986 Jun; 41(2):173–5

Arterial injuries of the lower limb with associated fractures. Sangiuolo P, et al. **Mt Sinai J Med (NY)** 1986 Sep; 53(7):554–7

Streptokinase in the management of limb arterial thrombosis following free–flap surgery. Cangé S, et al. **Plast Reconstr Surg** 1987 Jun;79(6):974–6

Atherosclerosis of the lower limb. Seager PJ. **Radiography** 1986 Nov–Dec;52(606):309–12

Non–invasive assessment of lower limb ischaemia by blood velocity wave–form analysis. Capper WL, et al. **S Afr Med J** 1987 Jun 6;71(11):695–8

A pitfall in the measurement of arterial blood pressure in the ischaemic limb during elevation. Bülow J, et al. **Scand J Clin Lab Invest** 1987 Jun;47(4):379–82

Segmental mean temperature differences in the diagnosis of acute venous thrombosis in the legs. Hamberg O, et al. **Scand J Clin Lab Invest** 1987 Apr;47(2):191–3

Subcutaneous adipose tissue blood flow in the forefoot during 24 hours. Labeling pattern and reproducibility. Jelnes R, et al. **Scand J Clin Lab Invest** 1987 May;47(3):223–7

Cystic degeneration of the popliteal artery in a female patient—case report. Simpson CJ, et al. **Scott Med J** 1986 Jul;31(3):187–8

Local low–dose thrombolysis in arterial disease of the limbs. Verhaeghe R, et al. **Semin Thromb Hemost** 1987 Apr; 13(2):206–11 (33 ref.)

Traumatic pseudoaneurysm of the anterior tibial artery simulating soft tissue malignancy. Dominguez R, et al. **Skeletal Radiol** 1986;15(8):622–4

Intra–arterial thrombolysis for acute limb ischemia: a three–year experience. Battey PM, et al. **South Med J** 1987 Apr;80(4):479–82

Revision of failed infrainguinal bypass graft: principles of management. Green RM, et al. **Surgery** 1986 Oct; 100(4):646–54

Relationship between transcutaneous oxygen tension, ankle blood pressure, and clinical outcome of vascular surgery in diabetic and nondiabetic patients. Wyss CR, et al. **Surgery** 1987 Jan;101(1):56–62

New aspects on thermography as a non–invasive diagnostic method for arterio–venous anastomoses in the extremities. Bergqvist D, et al. **Vasa** 1986;15(3):241–4

Prognostic factors contributing to the long–term failure of femorotibial grafts. Harjola PT, et al. **Vasa** 1987;16(1):45–9

The effect of compression with abdominal support band on haemodynamics of lower legs. A plethysmographic study. Hästbacka J, et al. **Vasa** 1986;15(3):220–3

Clinical and haemorheological efficacy of i.a. PGE1 infusions in intermittent claudication. Blume J, et al. **Vasa [Suppl]** 1987;17:32–5

Prostaglandin E1 as an adjuvant therapy in the event of femoropopliteal and crural great saphenous vein in situ bypass surgery. Fietze–Fischer B, et al. **Vasa [Suppl]** 1987; 17:23–5

[Evaluation of the muscular loop formed by semitendinosus and biceps femoris muscles in the treatment of deep vein valvular incompetence of the lower extremity] Shang HZ, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Aug;24(8):464–6, 509 (Eng. Abstr.) (Chi)

[Staged arteriovenous reversal in the treatment of severely ischemic lower extremities] Sun JM, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Nov;24(11):664–7, 699 (Eng. Abstr.) (Chi)

[The effect of betalytics on blood circulation in the extremities of patients with lower extremity ischemic disease] Spáčil J. **Cas Lek Cesk** 1987 May 8;126(19):600–4 (Eng. Abstr.) (Cze)

[Risk factors in patients after reconstructive vascular operations and their significance in the postoperative course] Bartoš J, et al. **Rozhl Chir** 1986 Aug;65(8–9):552–60 (Eng. Abstr.) (Cze)

[Muscle damage after bloodless fields in the extremities. Myoglobin production as an indicator of the effect of a tourniquet on striated muscle] Jørgensen HR. **Ugeskr Laeger** 1987 May 18;149(21):1377–9 (Eng. Abstr.) (Dan)

[Bloodless fields in the extremities. Sequelae of using a tourniquet] Jørgensen HR. **Ugeskr Laeger** 1987 May 18; 149(21):1375–7 (Eng. Abstr.) (Dan)

[Persistent iliac artery] Nepper–Rasmussen J, et al. **Ugeskr Laeger** 1987 Mar 9;149(11):710–2 (Eng. Abstr.) (Dan)

[The mammary artery in heart surgery (letter)] Marsman JW. **Ned Tijdschr Geneeskd** 1986 Aug 30;130(35):1578 (Dut)

[The femoro–crural bypass; a worthwhile operation for preventing amputation] van de Pavoordt HD, et al. **Ned Tijdschr Geneeskd** 1987 Jan 31;131(5):198–201 (Eng. Abstr.) (Dut)

[Prospective study comparing ultrasonics and digital subtraction angiography in arterial bypass of the lower limbs. Apropos of 54 cases] Laissy JP, et al. **Ann Chir** 1987; 41(3):197–201 (Eng. Abstr.) (Fre)

[Case for diagnosis. Livedo vasculitis] Lacour JP. **Ann Dermatol Venereol** 1987;114(5):731–2 (Fre)

[Intentional normovolemic hemodilution in the medical treatment of lower limb arteritis] Chevreaud C, et al. **Ann Fr Anesth Reanim** 1986;5(3):223–8 (Eng. Abstr.) (Fre)

[Embolism of cholesterol crystals simulating polymyositis: a case report (letter)] Dray C, et al. **Ann Med Interne (Paris)** 1987;138(3):222–3 (Fre)

[Bilateral persistent sciatic artery. Apropos of a case] Lorphelin JM, et al. **Ann Radiol (Paris)** 1986;29(5):476–9 (Eng. Abstr.) (Fre)

[Angioplasty of the renal arteries and the lower limbs. 5–year results] Cécile JP. **Bull Acad Natl Med (Paris)** 1986 Dec; 170(9):1161–71 (Eng. Abstr.) (Fre)

[Pure venous gangrene. Apropos of a case] Cazaban D, et al. **Chirurgie** 1986;112(4):314–8 (Eng. Abstr.) (Fre)

[Fibrinolytic treatment of severe arteriopathies of the lower limbs] Bonnet J, et al. **Haemostasis** 1986;16 Suppl 4:90–3 (Fre)

[Indication and technic of regional fibrinolysis in the treatment of acute ischemia of the limbs. Apropos of a series of 22 patients] Dereume JP, et al. **Haemostasis** 1986; 16 Suppl 4:79–82 (Fre)

[Peroperative endoluminal dilatation or recanalization (DELPO or RCPO) in arteriopathies of the lower extremities. A new therapeutic weapon for the vascular

surgeon. Apropos of 42 cases] Benhamou AC, et al. **J Mal Vasc** 1986;11(4):379–87 (Eng. Abstr.) (Fre)

[Value of capillaroscopy in arteritis in patients in their 50s] Coget JM, et al. **J Mal Vasc** 1986;11(4):390–2 (Fre)

[Action of ifenprodil tartrate in obliterative arteriopathies of the lower limbs. Combined studies using proximal blood flow and distal transcutaneous oxygen pressure] Costes Y, et al. **J Mal Vasc** 1986;11(3):242–7 (Eng. Abstr.) (Fre)

[Determination of the amputation level by transcutaneous PO2 measurement and distal arterial systolic pressure] Depairon M, et al. **J Mal Vasc** 1986;11(3):229–34 (Eng. Abstr.) (Fre)

[Phosphorus–31 NMR spectrometry of the calf muscles in patients with arterial claudication. Preliminary results] Le Bas JF, et al. **J Mal Vasc** 1987;12(1):70–7 (Eng. Abstr.) (Fre)

[Fibromuscular dysplasia of the arteries of the leg. Apropos of 1 case] Patra P, et al. **J Mal Vasc** 1987;12(2):185–8 (Eng. Abstr.) (Fre)

[Muscular fixation of thallium–201 in lower limb arteriopathies before and after injection of Royat thermal gas] Peycelon P, et al. **J Mal Vasc** 1987;12(1):85–91 (Eng. Abstr.) (Fre)

[Transcutaneous measures of oxygen partial pressure and capillaroscopic parameters as affected by naftidrofuryl in patients with obliterative arteriopathies, Fontaine stages II–IV] Ranft J, et al. **J Mal Vasc** 1987;12(1):78–81 (Eng. Abstr.) (Fre)

[Diluted albumin–dextran 40 combination in treating arteriopathy of the lower extremities by normovolemic hemodilution. The rheological effects] Stoltz JF, et al. **J Mal Vasc** 1986;11(4):344–50 (Eng. Abstr.) (Fre)

[Scintigraphic study (81mKr) of venous return activation using intravenous dihydroergotamine] Zicot M, et al. **J Mal Vasc** 1987;12(1):33–9 (Eng. Abstr.) (Fre)

[Demonstration of the arterial system during phlebography of the leg for blue phlebitis] Rodde A, et al. **J Radiol** 1987 Jun–Jul;68(6–7):475–7 (Eng. Abstr.) (Fre)

[Sciatic artery or persistent axial artery. Apropos of 2 rare variants] Wilms G, et al. **J Radiol** 1986 Nov;67(11):819–22 (Eng. Abstr.) (Fre)

[Effect of "anti–thrombosis" stockings on the venous hemodynamics of the lower extremities. Study using mercury gauge plethysmography] Barroy JP, et al. **Phlebologie** 1987 Jan–Mar;40(1):59–67 (Eng. Abstr.) (Fre)

[Pseudo–Kaposi's syndrome of the left lower extremity. The Stewart–Bluefarb syndrome] Cardoso J, et al. **Phlebologie** 1986 Oct–Dec;39(4):933–9 (Eng. Abstr.) (Fre)

[Is photoreflexometry valid as a diagnostic method in the physician's office] Hübner K. **Phlebologie** 1986 Jul–Sep; 39(3):691–6 (Eng. Abstr.) (Fre)

[My indications for physiotherapy in phlebology] Leprêtre M. **Phlebologie** 1987 Apr–Jun;40(2):393–8 (Fre)

[Analgesic effect of RAP cream in the pain syndrome of venous insufficiency of the lower extremities] Marhic C, et al. **Phlebologie** 1986 Oct–Dec;39(4):1011–5 (Fre)

[Care and treatment of trophic disorders of the lower extremities of aged and hospitalized patients] Marzin L, et al. **Phlebologie** 1986 Oct–Dec;39(4):839–43 (Fre)

[Lymphangiographic appearance of stage III and IV chronic venous insufficiency] Nitzche H, et al. **Phlebologie** 1986 Oct–Dec;39(4):941–6 (Fre)

[Vascular ulcers of the lower extremities of aged patients] Pin F. **Phlebologie** 1986 Oct–Dec;39(4):845–9 (Eng. Abstr.) (Fre)

[Crenotherapy of postphlebitic disease at Bagnoles–de–l'Orne studied by occlusive rheoplethysmography] Poirault F, et al. **Phlebologie** 1986 Oct–Dec;39(4):979–93 (Eng. Abstr.) (Fre)

[Dosage of O–beta hydroxyethylrutoside in chronic venous insufficiency] Stemmer R, et al. **Phlebologie** 1986 Oct–Dec; 39(4):995–1003 (Eng. Abstr.) (Fre)

[Ambulatory treatment of vascular ulcers in the aged patient] Wallois P. **Phlebologie** 1986 Oct–Dec;39(4):835–8 (Fre)

[Ginkgo biloba extract in the treatment of arteriopathy of the lower extremities. A 65–week trial] Bauer U. **Presse Med** 1986 Sep 25;15(31):1546–9 (Eng. Abstr.) (Fre)

[Should phlebography of the lower limbs still be a systematically bilateral test? (letter)] Chancrin JP, et al. **Presse Med** 1987 Jan 31;16(3):125 (Fre)

[Subacute ischemia of the lower limbs in a patient with Klinefelter's syndrome (letter)] Saupin V, et al. **Presse Med** 1987 Jun 6;16(21):1056–7 (Fre)

[Reserpine sympathectomy in the treatment of arteritis of the legs. Preliminary study (letter)] Valverde JP, et al. **Presse Med** 1986 Dec 13;15(44):2214 (Fre)

[Conceptual difficulties in intramuscular phlebitis of the calf of the leg] Vayssairat M. **Presse Med** 1987 Jun 20; 16(24):1175–6 (Fre)

[Rehabilitation treatment of patients with arteritis of the lower limbs] Maertens de Noordhout B, et al. **Rev Med Liege** 1987 Jun 1;42(11):556–62 (23 ref.) (Fre)

[Doppler ultrasonographic study of venous diseases of the legs] Bardi K, et al. **Tunis Med** 1986 Aug–Sep; 64(8–9):667–71 (Eng. Abstr.) (Fre)

[Evaluation of the efficacy of medical treatment, especially anticoagulant treatment, in arteriopathies of the lower limbs. Apropos of 41 cases] Chérif T, et al. **Tunis Med** 1986 May;64(5):475–80 (Eng. Abstr.) (Fre)

[Risk of arterial vasospasms caused by the administration of dihydroergotamine (Dihytamin)—a case report] Lange T. **Anaesthesiol Reanim** 1987;12(3):177–81 (Eng. Abstr.) (Ger)

[Circulatory disorders of the lower extremities caused by benign bone tumors of rare sites] Mike G, et al. **Beitr Orthop Traumatol** 1986 Sep;33(9):448–51 (Eng. Abstr.) (Ger)

[Peripheral venous and peripheral arterial digital subtraction angiography in occlusive diseases of the lower extremity] Triller J, et al. **Digitale Bilddiagn** 1987 Mar;7(1):5–14 (Eng. Abstr.) (Ger)

[Walk training and drug therapy in peripheral arterial occlusive disease. A randomized, prospective, placebo–controlled double–blind study] Kiesewetter H, et al. **Dtsch Med Wochenschr** 1987 May 29;112(22):873–8 (Eng. Abstr.) (Ger)

[Rotation angioplasty—a new catheter procedure. Recanalization in patients treatable only by surgery up to now is in view] Kaltenbach M, et al. **Fortschr Med** 1987 Jun 20;105(21):412–4 (Eng. Abstr.) (Ger)

[Effects of compression stockings on blood circulation in late pregnancy] Weber S, et al. **Geburtshilfe Frauenheilkd** 1987 Jun;47(6):395–400 (Eng. Abstr.) (Ger)

[Ulcers in congenital arteriovenous fistula of the lower extremities] Klüken N, et al. **Hautarzt** 1986 Nov; 37(11):603–8 (Eng. Abstr.) (Ger)

[Stewart–Bluefarb syndrome (kaposiform arteriovenous fistula with bone changes)] Ueki H, et al. **Hautarzt** 1986 Dec;37(12):673–5 (Eng. Abstr.) (Ger)

[Aneurysms of the arteries of the extremities] Brunner U. **Helv Chir Acta** 1987 Feb;53(4):427–34 (Eng. Abstr.) (Ger)

[Angiographic and sonographic demonstration of the umbilical vein 5 years after implantation in the distal femoral region] Huk I, et al. **Helv Chir Acta** 1987 Feb; 53(4):475–8 (Eng. Abstr.) (Ger)

[Selection of the amputation site in end–stage arterial occlusive disease] Becker HM, et al. **Langenbecks Arch Chir** 1987;370(3):197–205 (Ger)

[Gangrene of the forefoot in disseminated lupus erythematosus with involvement of the large arteries of the extremity] Meske S, et al. **Med Klin** 1986 Oct 31; 81(22):726–30 (Ger)

[Diagnosis, prognosis and functional evaluation of arterial vascular diseases] Schoop W. **Off Gesundheitswes** 1986 Nov;48(11):627–9 (Eng. Abstr.) (Ger)

[Digital subtraction angiography and large–film angiography of the pelvic and leg arteries] Harder T, et al. **RÖFO** 1987 Apr;146(4):438–46 (Eng. Abstr.) (Ger)

[Imaging of iatrogenic aneurysms and AV fistulas of the lower extremity with IV–DSA and sonography] Gross–Fengels W, et al. **Rontgenblatter** 1987 May; 40(5):131–6 (Eng. Abstr.) (Ger)

[Intermittent claudication of the calf] Pfyffer M, et al. **Schweiz Rundsch Med Prax** 1987 Jun 9;76(24):710–3 (Eng. Abstr.) (Ger)

[Prevention of vascular injuries in tibial interlocking nailing] Kessler SB, et al. **Unfallchirurg** 1987 Mar;90(3):148–50 (Eng. Abstr.) (Ger)

[Blood pressure–dependent, process–controlled hemostasis to minimize tourniquet syndrome] Egkher E, et al. **Unfallchirurgie** 1986 Aug;12(4):200–3 (Eng. Abstr.) (Ger)

[Strain gauge plethysmographic study of venous hemodynamics of lower limbs] Matsubara J. **Vasa** 1986; 15(3):228–32 (Eng. Abstr.) (Ger)

[Methodological aspects of the determination of the capillary filtrate in the extremities. Simultaneous measurement of leg and regional blood volume by plethysmography and Tc–99m–labeled erythrocytes] Mostbeck A. **Vasa** 1986; 15(3):233–40 (Eng. Abstr.) (Ger)

[Effects of iloprost on circulation at rest and metabolism in the extremities of healthy probands in relation to dose and mode of administration] Rexroth W, et al. **Vasa** 1987; 16(1):72–6 (Eng. Abstr.) (Ger)

[Induced platelet aggregation in patients with healthy vessels and patients with stage II chronic arterial occlusive disease] Staiger J, et al. **Vasa** 1986;15(4):387–91 (Eng. Abstr.) (Ger)

[Function and morphology of venovenous anastomoses following rotationplasty surgery] Teleky B, et al. **Vasa** 1987;16(1):56–9 (Eng. Abstr.) (Ger)

[Pedal ergometry—an efficient method of angiologic functional diagnosis] Hänsgen K, et al. **Z Gesamte Inn Med** 1986 Oct 1;41(19):537–9 (Eng. Abstr.) (Ger)

[Hemorheologic studies for evaluating microcirculation in patients with peripheral arterial circulatory disorders and diabetes mellitus] Sternitzky R, et al. **Z Gesamte Inn Med** 1986 Oct 1;41(19):539–42 (Eng. Abstr.) (Ger)

[Metabolic changes caused by an extremities tourniquet and its modification by anesthesia procedures] Michaelis G, et al. **Z Orthop** 1987 Mar–Apr;125(2):209–13 (Eng. Abstr.) (Ger)

[Arterial reconstructions spanning the knee joint] Bürger K, et al. **Zentralbl Chir** 1986;111(21):1306–11 (Eng. Abstr.) (Ger)

[Eicosanoic acids and arteriopathies of the legs] Jouve R. **Cardiologia** 1986 Jun;31(6):399–401 (Ita)

[Thromboembolectomy by Fogarty's catheter (experience in 416 interventions)] Rossi M, et al. **Chir Ital** 1986 Jun; 38(3):276–81 (Eng. Abstr.) (Ita)

[Buflomedil chlorhydrate in peripheral vasculopathies] Dall'Antonia F, et al. **Clin Ter** 1986 Dec 15;119(5):379–85 (Eng. Abstr.) (Ita)

[Simultaneous non–invasive evaluation of regional hemodynamic parameters in essential arterial hypertension] Gava R, et al. **G Clin Med** 1987 Mar;68(3):143–7 (Eng. Abstr.) (Ita)

[Indications and results of the argon laser treatment of essential telangiectasis of the lower limbs] Caramanico L, et al. **Minerva Cardioangiol** 1986 Sep;34(9):597–9 (Eng. Abstr.) (Ita)

[Vascular and hemorheologic effects of buflomedil chlorhydrate in chronic obliterative arteriopathies of the legs] Coglitore S, et al. **Minerva Cardioangiol** 1986 Nov; 34(11):745–9 (Eng. Abstr.) (Ita)

[Evaluation of the effects on the peripheral blood circulation of i.v. administration of high doses of phosphocreatinine in patients with arterial diseases] de Divitiis O, et al. **Minerva Cardioangiol** 1986 Oct;34(10):671–80 (Eng. Abstr.) (Ita)

[Systolic–diastolic function of the left ventricle and flowmetry of the lower limbs in the treatment of moderate essential arterial hypertension with atenolol–chlorthalidone] Franchi F, et al. **Minerva Cardioangiol** 1986 Sep;34(9):567–77 (Eng. Abstr.) (Ita)

[Local arteriovenous wash–out in acute ischemia of the extremities. A method of preventing the revascularization syndrome following thromboembolectomy] Giorgetti PL, et al. **Minerva Cardioangiol** 1987 Mar;35(3):139–46 (Eng. Abstr.) (Ita)

[The duplex scanner in evaluation of vascular prostheses: follow–up of patients with arterial diseases following direct surgery. Preliminary note] Raso AM, et al. **Minerva Cardioangiol** 1986 Jun;34(6):451–7 (Eng. Abstr.) (Ita)

[Physiology of the peripheral circulation. Observations on a population of 100 hundred normal subjects with strain–gauge plethysmography] Schwarz E, et al. **Minerva Cardioangiol** 1987 Jan–Feb;35(1–2):37–42 (Eng. Abstr.) (Ita)

[Apropos of a case of severe ischemia of the legs caused by ergotamine tartrate] Basilico V, et al. **Minerva Chir** 1987 Mar 31;42(6):503–6 (Eng. Abstr.) (Ita)

[Association of lumbar sympathectomy and bypass in the treatment of femoro–popliteal obstructive arteriopathies] Caldarelli GF, et al. **Minerva Chir** 1987 Jan 31;42(1–2):33–7 (Eng. Abstr.) (Ita)

[Femoro–femoral bypass associated with thromboembolectomy with the Fogarty catheter in acute ischemia of the legs] Cortese F, et al. **Minerva Chir** 1987 Jun 15;42(11):941–3 (Eng. Abstr.) (Ita)

[Possibilities and limitations of Doppler flowmetry in the clinical evaluation of chronic obstructive arteriopathy of the legs. Our case material] Galati G, et al. **Minerva Chir** 1987 Mar 31;42(6):497–501 (Eng. Abstr.) (Ita)

[Medium–term evaluation of function recovery in chronic peripheral obliterative arterial diseases] Zelaschi F, et al. **Minerva Chir** 1986 Nov 30;41(22):1963–70 (Ita)

[An evaluation of shunt flow by the 133Xe clearance method and admittance plethysmography] Kawakami K, et al. **Kaku Igaku** 1987 Apr;24(4):383–7 (Eng. Abstr.) (Jpn)

[Investigation of cases of acute arterial thrombosis of the lower extremities] Ozaki S, et al. **Nippon Geka Gakkai Zasshi** 1987 Feb;88(2):205–10 (Eng. Abstr.) (Jpn)

[Intra–venous digital subtraction angiography of arterial occlusive disease of the lower limb] Kodera K. **Rinsho Hoshasen** 1986 Aug;31(8):965–8 (Jpn)

[Arterial embolization of two patients with arteriovenous malformations of the extremities] Watanabe H, et al. **Rinsho Hoshasen** 1986 Dec;31(13):1557–60 (Eng. Abstr.) (Jpn)

[Value of transcutaneous measurements of oxygen pressure in determining the level of amputation in patients with chronic occlusion of arteries of the lower extremities] Noszczyk W, et al. **Chir Narzadow Ruchu Ortop Pol** 1986; 51(3):169–73 (Eng. Abstr.) (Pol)

[Rheologic aspects of the hematocrit and fibrinogen in evaluating rheographic measurements in patients with arteriosclerosis of the lower extremities] Dabrowski S, et al. **Kardiol Pol** 1986;29(8):551–4 (Eng. Abstr.) (Pol)

[Treatment of peripheral arterial disease with prostacyclin. I. Effect of prostacyclin on the healing of ischemic ulcers of the lower extremities] Niżankowski R. **Kardiol Pol** 1986; 29(3):209–17 (Eng. Abstr.) (Pol)

[Early results of treatment of atherosclerotic ischemia of the lower extremities by means of lumbar sympathectomy] Dziki A, et al. **Pol Tyg Lek** 1987 Mar 23–30; 42(12–13):371–2 (Eng. Abstr.) (Pol)

[Fibrinolytic activity of deep and superficial crural veins] Giedrojć J, et al. **Pol Tyg Lek** 1986 Sep 22;41(38):1212–3 (Eng. Abstr.) (Pol)

[Evaluation of surgical treatment of peripheral ischemia of the lower extremities of atherosclerotic origin] Górski P, et al. **Pol Tyg Lek** 1987 Mar 23–30;42(12–13):368–70 (Eng. Abstr.) (Pol)

[Postoperative mortality rate in patients undergoing surgery for atherosclerotic ischemia of the lower extremities] Kulicki M, et al. **Pol Tyg Lek** 1987 Mar 23–30;

42(12–13):382–6 (Eng. Abstr.) (Pol)
[Problem of the treatment of arterial embolism and thrombosis of the extremities] Kuśmierski S, et al. **Pol Tyg Lek** 1986 Sep 22;41(38):1206–8 (Eng. Abstr.) (Pol)
[Cytoprotective effect of prostaglandins on erythrocytes in patients with arteriosclerosis of the extremities] Michalak J, et al. **Pol Tyg Lek** 1986 Dec 15;41(50):1585–8 (Eng. Abstr.) (Pol)
[Treatment of ischemic ulcers of the extremities with intravenous intermittent infusions of prostacycline] Nižankowski R, et al. **Pol Tyg Lek** 1986 Dec 15; 41(50):1582–4 (Pol)
[Selected problems of acute arterial thrombosis of the lower extremities in the course of atherosclerosis] Skóra K, et al. **Pol Tyg Lek** 1987 Mar 23–30;42(12–13):375–8 (Eng. Abstr.) (Pol)
[Assessment of risk factors and the clinical state of patients with atherosclerotic ischemia of the lower extremities] Skóra K, et al. **Pol Tyg Lek** 1987 Mar 23–30; 42(12–13):350–3 (Eng. Abstr.) (Pol)
[Reoperations in patients with atherosclerotic ischemia of the lower extremities] Skóra K, et al. **Pol Tyg Lek** 1987 Mar 23–30;42(12–13):379–81 (Eng. Abstr.) (Pol)
[Usefulness of measurements of dynamic venous pressure in differentiating venous edema and edema of other etiologies] Tereszczyk T, et al. **Pol Tyg Lek** 1986 Dec 15; 41(50):1579–81 (Eng. Abstr.) (Pol)
[Sympathectomy as a supplementary reconstructive surgery in multilevel atherosclerosis of the lower extremities] Trenkner M. **Pol Tyg Lek** 1987 Mar 23–30;42(12–13):373–4 (Eng. Abstr.) (Pol)
[Usefulness of transcutaneous oxygen pressure determination in evaluating the pharmacologic treatment of chronic ischemia of the lower extremities] Wróblewski T, et al. **Pol Tyg Lek** 1986 Sep 22;41(38):1209–11 (Eng. Abstr.) (Pol)
[Studies of the functional state of blood vessels in various types of diabetes mellitus using the chlorpropamide–alcohol test] Szramek–Urbaniak A. **Przegl Lek** 1986;43(6):454–9 (Eng. Abstr.) (Pol)
[Diabetic macroangiopathies of the lower extremities] Erdmanis DF. **Arkh Patol** 1986;48(11):26–33 (Eng. Abstr.) (Rus)
[Giant–cell arteritis with involvement of the vessels of the lower extremities] Mamontov PN, et al. **Arkh Patol** 1987; 49(4):72–5 (Eng. Abstr.) (Rus)
[Pathomorphology and morphogenesis of obliterating endarteritis] Pospishil' IuA. **Arkh Patol** 1986;48(11):20–6 (Eng. Abstr.) (Rus)
[Reorganization of the microcirculation of the lower extremities during local orthostatic hypertension] Bykov VM. **Fiziol Cheloveka** 1986 Jul–Aug;12(4):621–6 (Rus)
[Relation between blood circulation in the lower extremities in man and the level of physical fitness] Tkhorevskiĭ VI, et al. **Fiziol Zh SSSR** 1986 Sep;72(9):1260–8 (Eng. Abstr.) (Rus)
[Regional orthostatic hypertension and thromboangiitis of the lower extremities] Gervaziev VB, et al. **Kardiologiia** 1987 Mar;27(3):81–5 (Eng. Abstr.) (Rus)
[Status and correction of regional lipid metabolism in atherosclerosis obliterans of the arteries of the lower extremities] Ovchinnikov VA, et al. **Kardiologiia** 1987 Mar; 27(3):77–81 (Rus)
[Initial experience with transluminal laser recanalization in patients with stenosing arteriosclerosis of the lower extremities] Petrosian IuS, et al. **Kardiologiia** 1987 Jun; 27(6):15–9 (Eng. Abstr.) (Rus)
[Features of treatment tactics in emboli in an artery with impaired blood flow] Volodos' NL, et al. **Kardiologiia** 1987 Feb;27(2):34–7 (Eng. Abstr.) (Rus)
[Prolongation of the viability of ischemic tissues of the extremities after injuries of major blood vessels] Babosha VA, et al. **Khirurgiia (Mosk)** 1987 Jun;(6):116–20 (Rus)
[Value of Doppler flowmetry and angiography in selecting surgical tactics in the treatment of occlusion of the crural arteries] Barkauskas EM, et al. **Khirurgiia (Mosk)** 1987 Jun; (6):43–7 (Eng. Abstr.) (Rus)
[Effectiveness of hyperbaric oxygenation in ischemia of the lower extremities] Belov KV, et al. **Khirurgiia (Mosk)** 1986 Dec;(12):69–73 (Eng. Abstr.) (Rus)
[Systemic and regional changes in the immunologic indicators in patients with thromboangiitis of the lower extremities] Gervaziev VB, et al. **Khirurgiia (Mosk)** 1986 Dec; (12):77–81 (Eng. Abstr.) (Rus)
[Possibilities of sparing the extremity in peripheral levels of arterial occlusion] Kazakov IuI, et al. **Khirurgiia (Mosk)** 1986 Dec;(12):43–7 (Eng. Abstr.) (Rus)
[Microcirculatory disorders and their correction in obliterating atherosclerosis of the arteries of the lower extremities] Kurguzov OP, et al. **Khirurgiia (Mosk)** 1986 Oct;(10):96–103 (Eng. Abstr.) (Rus)
[Clinico–morphologic parallels in the terminal stages of arterial occlusive diseases] Makarova NP, et al. **Khirurgiia (Mosk)** 1986 Dec;(12):24–8 (Eng. Abstr.) (Rus)
[Thermography in the diagnosis of vascular diseases of the lower extremities] Nikitin VA, et al. **Khirurgiia (Mosk)** 1987 Jun;(6):58–60 (Eng. Abstr.) (Rus)
[Atraumatic reconstructive vascular operations in middle–aged and elderly persons with increased surgical risk] Pikus VI, et al. **Khirurgiia (Mosk)** 1987 Jun;(6):50–5 (Eng. Abstr.) (Rus)
[Use of a method of recording peroxide chemiluminescence in the diagnosis of protracted thrombosis in embolism of the major arteries of the extremities] Sherstnev MP. **Khirurgiia (Mosk)** 1986 Dec;(12):118–20 (Rus)
[Priapism as a rare complication of reconstructive operations on the arteries of the lower extremities] Ukhanov AP. **Khirurgiia (Mosk)** 1987 Jun;(6):125–6 (Rus)
[Repeated operations on blood vessels of aorto–iliac and femoro–popliteal segments] Aliev MA, et al. **Klin Khir** 1986;(7):6–8 (Eng. Abstr.) (Rus)
[Regional hemodynamics in a neurovascular syndrome of the lower extremities of functional nature] Bakharev AM, et al. **Klin Khir** 1986;(7):21–3 (Eng. Abstr.) (Rus)
[Late thrombembolectomy in arterial occlusion] Frantsev VI, et al. **Klin Khir** 1986;(7):8–10 (Eng. Abstr.) (Rus)
[Effectiveness of lumbar sympathectomy in arteriosclerotic lesions of the arteries of the lower extremities] Gusak VK, et al. **Klin Khir** 1986;(7):66–9 (74 ref.) (Rus)
[Selection of the optimal hemosorbent for the treatment of patients with arteriosclerosis obliterans of the lower extremities] Kazakov IuI, et al. **Klin Khir** 1986;(7):12–4 (Eng. Abstr.) (Rus)
[Value of lumbar sympathectomy in chronic arterial insufficiency of the lower extremities] Kokhan EP, et al. **Klin Khir** 1986;(7):49–51 (Eng. Abstr.) (Rus)
[Rheohepatography in the complex surgical treatment of diabetic angiopathies of the lower extremities] Shevchuk MG, et al. **Klin Khir** 1986;(7):54–6 (Eng. Abstr.) (Rus)
[Early complications after/late embolectomy of the aorta and peripheral arteries of the extremities] Strel'nikov II. **Klin Khir** 1986;(7):10–2 (Eng. Abstr.) (Rus)
[Importance of venous occlusion plethysmography in arteriosclerosis obliterans of the arteries of the lower extremities] Beliaeva GS. **Klin Med (Mosk)** 1986 Aug; 64(8):44–7 (Eng. Abstr.) (Rus)
[Reconstructive vascular operations in patients with chronic ischemic heart disease] Lapin MD, et al. **Klin Med (Mosk)** 1987 Jan;65(1):95–8 (Eng. Abstr.) (Rus)
[Thrombocytic–vascular hemostasis and its regulation in embolism of the major arteries of the extremities] Sergeeva NA, et al. **Klin Med (Mosk)** 1987 Jan;65(1):111–5 (Eng. Abstr.) (Rus)
[Indications for hemosorption and its effectiveness following embolectomy of the major arteries of the extremities] Sergeeva NA, et al. **Klin Med (Mosk)** 1986 Oct;64(10):72–6 (Rus)
[Levels and methods of amputation in patients with chronic arterial ischemia] Sanin VG, et al. **Ortop Travmatol Protez** 1986 Dec;(12):23–8 (Eng. Abstr.) (Rus)
[Causes of death in stage III–IV diabetic angiopathies of the lower extremities] Danil'iants EV, et al. **Sov Med** 1987; (6):97–8 (Rus)
[Status of peripheral circulation and the neuro–muscular system in the treatment of congenital crural pseudarthroses by transosseous osteosynthesis] Shevtsov VI, et al. **Sov Med** 1986;(7):101–3 (Rus)
[Manual veloergometry in arteriosclerosis obliterans of the lower extremities] Volkov VS, et al. **Sov Med** 1986; (9):37–40 (Eng. Abstr.) (Rus)
[Concentration of lipids in the skin, arterial wall and blood of patients with arteriosclerosis obliterans of the vessels of the lower extremities] Nikitin IuP, et al. **Ter Arkh** 1987; 59(1):34–7 (Rus)
[Diagnosis of obliterating diseases of the vessels of the lower extremities using an ultrasonic method] Alent'ev AA, et al. **Vestn Khir** 1986 Oct;137(10):48–50 (Eng. Abstr.) (Rus)
[Methods of improving the surgical treatment of complicated forms of chronic venous insufficiency of the lower extremities] Borovkov SA. **Vestn Khir** 1986 Nov; 137(11):107–10 (Rus)
[Repeated revascularization of the extremities in functional disorders of aortofemoral explants] Evstifeev LK, et al. **Vestn Khir** 1986 Aug;137(8):59–63 (Eng. Abstr.) (Rus)
[Diagnostic possibilities of polysegmental occlusive rheoplethysmography in disorders of arterial circulation of the lower extremities] Iakovlev GM, et al. **Vestn Khir** 1986 Aug;137(8):55–9 (Eng. Abstr.) (Rus)
[Transport function of lymphovenous anastomosis] Kirpatovskiĭ ID, et al. **Vestn Khir** 1986 Sep;137(9):64–7 (Eng. Abstr.) (Rus)
[Epidemiology of diseases of the veins of the lower extremities in various climato–geographic conditions] Lisitsyn KM, et al. **Vestn Khir** 1986 Sep;137(9):71–2 (Eng. Abstr.) (Rus)
[Effect of a constant magnetic field on blood circulation after experimental operations on arteries of the extremities] Lud GV. **Vestn Khir** 1986 Sep;137(9):87–8 (Rus)
[Treatment of chronic arterial insufficiency of the extremities by quantum hemotherapy] Petukhov EB, et al. **Vestn Khir** 1987 Apr;138(4):112–6 (Eng. Abstr.) (Rus)
[Use of the human umbilical vein in arterial surgery of the lower extremities] Stepanov GA, et al. **Vestn Khir** 1986 Jul;137(7):82–6 (Eng. Abstr.) (Rus)
[Errors in the diagnosis and treatment of an arterial embolism of the extremities] Strel'nikov II. **Vestn Khir** 1986 Oct; 137(10):109–11 (Eng. Abstr.) (Rus)
[Potentials of rheovasography in assessing circulatory disorders in the postoperative period in children] Timoshchenko OA, et al. **Vestn Khir** 1987 Apr;138(4):76–9 (Eng. Abstr.) (Rus)
[A self–fixing synthetic blood vessel endoprosthesis] Volodos' NL, et al. **Vestn Khir** 1986 Nov;137(11):123–5 (Rus)
[Temporary prosthesis of the major vessels of the extremities] Evdokimov AE, et al. **Voen Med Zh** 1986 Nov;(11):20–2 (Rus)
[Barotherapy in the treatment of arterial obliterative diseases of the extremities] Ivanov BA, et al. **Voen Med Zh** 1987 Feb;(2):70–1 (Rus)
[Surgical correction of valve insufficiency of the veins of the lower extremities] Zavarina IK, et al. **Voen Med Zh** 1986 Oct;(10):23–6 (Rus)
[Treatment using natural radon waters of patients with obliterating arterial diseases of the extremities] Polianskiĭ BA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 May–Jun;(3):53–5 (Eng. Abstr.) (Rus)
[The importance of lumbar sympathectomy in the treatment of peripheral arterial diseases of the lower extremities] Solaković E. **Acta Chir Iugosl** 1986;33(1):75–82 (Eng. Abstr.) (Scr)
[Diagnosis of peripheral circulation disorders using local clearance of Xe–133 in patients with diabetes mellitus] Temerinac S, et al. **Med Pregl** 1986;39(5–6):215–8 (Eng. Abstr.) (Scr)
[Blood circulation in the forearm and calf in top athletes at rest and during vasomotor reactions] Kellerová E, et al. **Bratisl Lek Listy** 1986 Aug;86(2):151–9 (Eng. Abstr.) (Slo)
[Kinesiotherapy of ischemic disease of the lower extremities in patients after reconstructive arterial surgery] Gavornik P, et al. **Cas Lek Cesk** 1986 Aug 8;125(32):1000–3 (Eng. Abstr.) (Slo)
[Femoropopliteal venous bypass in situ] Paĺkan J. **Rozhl Chir** 1986 Aug;65(8–9):612–6 (Eng. Abstr.) (Slo)
[Development of the arteries of the leg and foot in human fetuses: angiographic study] España G, et al. **Angiologia** 1987 Jul–Aug;39(4):178–85 (Eng. Abstr.) (Spa)
[Acute ischemia of the extremities: apropos of a case of ergotamine tartrate poisoning] Ibáñez Esquembre V, et al. **Angiologia** 1986 Nov–Dec;38(6):315–9 (Eng. Abstr.) (Spa)
[Changes in the final expiratory fraction of CO2 after ischemia release (letter)] Miralles Abelló JA. **Rev Esp Anestesiol Reanim** 1987 Jan–Feb;34(1):76 (Spa)
[Can the prognosis of acute ischemia of the extremities be improved?] Plate G, et al. **Lakartidningen** 1986 Sep 3; 83(36):2912–6 (Swe)

EMBRYOLOGY

[Determination of age in the intrauterine development of the fetus by the size of its extremities] Glukhovets BI, et al. **Sud Med Ekspert** 1986 Oct–Dec;29(4):23–5 (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

How linear is growth? [letter] Hermanussen M. **Arch Dis Child** 1987 Jul;62(7):763
Bowlegs. Wilkins KE. **Pediatr Clin North Am** 1986 Dec; 33(6):1429–38

INNERVATION

Alternating periodic leg movement induced by spinal anesthesia in an elderly male. Watanabe S, et al. **Anesth Analg** 1987 Oct;66(10):1031–2
Human group I excitatory projections from ankle dorsiflexors to quadriceps muscle. McIlroy WE, et al. **Can J Physiol Pharmacol** 1987 Jan;65(1):12–7
Peripheral neuropathy: comparison of sensory conduction abnormalities in upper and lower extremities. Izzo KL, et al. **Electromyogr Clin Neurophysiol** 1986 Aug–Sep; 26(5–6):341–9
Postural neck reflexes involving the lower limb extensor motoneurons in man. Rossi A, et al. **Electromyogr Clin Neurophysiol** 1987 Jun–Jul;27(4):195–201
Innervation of the biceps femoris muscle in human fetuses. Klak A. **Folia Morphol (Warsz)** 1986;45(2):119–28
Management of acute lower extremity nerve injuries. Aldea PA, et al. **Foot Ankle** 1986 Oct;7(2):82–94
Delayed neural reconstruction in the lower extremity: results of interfascicular nerve grafting. Hattrup SJ, et al. **Foot Ankle** 1986 Oct;7(2):105–9
Evaluation and therapy after injury to peripheral nerves. Lusskin R, et al. **Foot Ankle** 1986 Oct;7(2):71–81
Dissociation of sympathetic nerve activity in arm and leg muscle during mental stress. Anderson EA, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III114–9
Size and X–ray density of normal and denervated muscles of the human leg and forearm. Merletti R, et al. **Int Rehabil Med** 1986;8(2):82–9
Short– and long–latency tibial somatosensory evoked potentials in cerebral lesions affecting Rolandic leg areas. Chu NS. **J Neurol** 1987 Feb;234(2):74–82
Surfer's neuropathy [letter] Fabian RH, et al. **N Engl J Med** 1987 Feb 26;316(9):555
Cruciate paralysis [letter] Landau WM. **Neurosurgery** 1986 Oct;19(4):676
[Clinicopathological conference. Leg trouble in a young woman] Müller K. **Duodecim** 1986;102(13):907–16 (Fin)
[Importance of neurophysiologic examinations in neural leprosy: role of the H reflex of the soleus muscle (study

of 30 cases)] Thabet M, et al. **Acta Leprol (Geneve)** 1986 Apr–Jun;(101):217–32 **(Fre)**

[Entrapment syndrome of the superficial posterior sural aponeurosis] Husson JL, et al. **Int Orthop** 1987;11(3):245–8 (Eng. Abstr.) **(Fre)**

[Sensorimotor hereditary neuropathy. IV. Clinical, electrophysiologic and histologic correlations. Summary of studies] Jedrzejowska H, et al. **Neurol Neurochir Pol** 1986 Jul–Aug;20(4):303–7 (Eng. Abstr.) **(Pol)**

[Motor–sensory hereditary neuropathy. III. Histological changes] Jedrzejowska H, et al. **Neurol Neurochir Pol** 1986 May–Jun;20(3):201–6 (Eng. Abstr.) **(Pol)**

[Importance of electroneuromyographic study for the diagnosis and treatment of injuries to the nerve trunks of the extremities] Georgiu A. **Vrach Delo** 1986 Nov;(11):87–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Transport kinetics of amino acids across the resting human leg. Lundholm K, et al. **J Clin Invest** 1987 Sep;80(3):763–71

PATHOLOGY

Interval gangrene occurring after successful lower–extremity revascularization. Memsic L, et al. **Arch Surg** 1987 Sep; 122(9):1060–3

Hyperkalemic periodic paralysis with calf hypertrophy—report of two cases from one family. Venkateswariu K, et al. **J Assoc Physicians India** 1986 May; 34(5):381–3

Linear nevi, hemihypertrophy, connective tissue hamartomas, and unusual neoplasms in children. Hornstein L, et al. **J Pediatr** 1987 Mar;110(3):404–8

[Septicemia and gangrenous change of the legs caused by marine vibrio, V. vulnificus—report of a case] Yuan CY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Apr;86(4):448–51 (Eng. Abstr.) **(Chi)**

[Peripheral gangrene associated with consumption coagulopathy in acute hypernatremic dehydration (letter)] Bouguerra L, et al. **Arch Fr Pediatr** 1987 Jan;44(1):65 **(Fre)**

[Assessment of the muscles of the extremities with imaging procedures (CT and MR)] Rodiek SO. **Handchir Mikrochir Plast Chir** 1987 May;19(3):129–31 (Eng. Abstr.) **(Ger)**

[Gangrene of the leg with an intact cutaneous integument] Sergeev SV. **Sov Med** 1987;(6):113–4 **(Rus)**

PHYSIOLOGY

Adaptability in frequency and amplitude of leg movements during human locomotion at different speeds. Nilsson J, et al. **Acta Physiol Scand** 1987 Jan;129(1):107–14

Operant conditioning in relation to natural EMG during rapid human walking. Jaeger BJ, et al. **Am J Phys Med** 1987 Apr;66(2):59–76

Skeletal muscle profiles in elite springboard and platform divers. Gerard ES, et al. **Am J Sports Med** 1987 Mar–Apr; 15(2):125–8

Comparative electromyography of the lower extremity in jogging, running, and sprinting. Mann RA, et al. **Am J Sports Med** 1986 Nov–Dec;14(6):501–10

Strength testing with a portable dynamometer: reliability for upper and lower extremities. Agre JC, et al. **Arch Phys Med Rehabil** 1987 Jul;68(7):454–8

Lower–limb influence on sitting balance while reaching forward. Chari VR, et al. **Arch Phys Med Rehabil** 1986 Oct;67(10):730–3

Obstruction of the swing phase during gait: phase–dependent bilateral leg muscle coordination. Dietz V, et al. **Brain Res** 1986 Oct 1;384(1):166–9

Kinetics of standing broad and vertical jumping. Robertson DG, et al. **Can J Sport Sci** 1987 Mar;12(1):19–23

Function following partial fibulectomy. Gore DR, et al. **Clin Orthop** 1987 Jul;(220):206–10

Functional anatomy of the lower limb. LaMont JG. **Clin Plast Surg** 1986 Oct;13(4):571–9

Sports medicine. **Clin Podiatr Med Surg** 1986 Oct; 3(4):595–745

Clinical applications of biomechanics cinematography. Woodle AS. **Clin Podiatr Med Surg** 1986 Oct;3(4):613–22

Electromyographic study of the leg muscles in relation to foot flexion/extension. Rao DL, et al. **Electromyogr Clin Neurophysiol** 1987 Jun–Jul;27(4):251–5

Central and peripheral hemodynamics during maximal leg extension exercise. Miles DS, et al. **Eur J Appl Physiol** 1987;56(1):12–7

Excitability of the soleus H–reflex arc during walking and stepping in man. Crenna P, et al. **Exp Brain Res** 1987; 66(1):49–60

The biomechanics of lower extremity action in distance running. Cavanagh PR. **Foot Ankle** 1987 Feb;7(4):197–217

Factors affecting selected reciprocal muscle group ratios in preadolescents. Burnie J. **Int J Sports Med** 1987 Feb; 8(1):40–5

Joint moment and mechanical power flow of the lower limb during vertical jump. Fukashiro S, et al. **Int J Sports Med** 1987 Mar;8 Suppl 1:15–21

Achilles tendon forces during cycling. Gregor RJ, et al. **Int J Sports Med** 1987 Mar;8 Suppl 1:9–14

EMG activity of the leg extensor muscles with special reference to mechanical efficiency in concentric and eccentric exercise. Komi PV, et al. **Int J Sports Med** 1987 Mar;8 Suppl 1:22–9

Simple tests for surveying muscle strength and muscle stiffness in sportsmen. Wiklander J, et al. **Int J Sports Med** 1987 Feb;8(1):50–4

Aerobic capacity during two–arm and one–leg ergometric exercise. Bond V, et al. **Int Rehabil Med** 1986;8(2):79–81

The functional roles of the hamstrings and quadriceps during cycling: Lombard's Paradox revisited. Andrews JG. **J Biomech** 1987;20(6):565–75

Quantitative functional anatomy of the lower limb with application to human gait. Mansour JM, et al. **J Biomech** 1987;20(1):51–8

Significance of the straight–leg–raising test in the diagnosis and clinical evaluation of lower lumbar intervertebral–disc protrusion. Xin SQ, et al. **J Bone Joint Surg [Am]** 1987 Apr;69(4):517–22

Hemodynamic and metabolic responses of the exercising lower limb of humans. Sullivan MJ, et al. **J Lab Clin Med** 1987 Aug;110(2):145–52

The effect of percutaneous motor cortex stimulation on H reflexes in muscles of the arm and leg in intact man. Cowan JM, et al. **J Physiol (Lond)** 1986 Aug;377:333–47

Influence of ski materials on muscle activity. Clarys JP, et al. **J Sports Sci** 1986 Autumn;4(2):129–39

A bioengineering analysis of human muscle and joint forces in the lower limbs during running. Harrison RN, et al. **J Sports Sci** 1986 Winter;4(3):201–18

Strength training and power output: transference effects in the human quadriceps muscle. Rutherford OM, et al. **J Sports Sci** 1986 Autumn;4(2):129–39

Assessment of the power performance of racing cyclists. White JA, et al. **J Sports Sci** 1986 Autumn;4(2):117–22

Effects of phosphate loading on leg power and high intensity treadmill exercise. Duffy DJ, et al. **Med Sci Sports Exerc** 1986 Dec;18(6):674–7

Effects of leg press training on cycling, leg press, and running peak cardiorespiratory measures. Pels AE 3d, et al. **Med Sci Sports Exerc** 1987 Feb;19(1):66–70

Comparison of the cardiovascular responses to arm and leg exercise in normal subjects and in coronary patients. Svetlize HD, et al. **Medicina (B Aires)** 1986;46(3):267–74

Soleus muscle electromyographic activity and ankle dorsiflexion range of motion during four stretching procedures. Condon SM, et al. **Phys Ther** 1987 Jan; 67(1):24–30

Circulatory response of digital arteries associated with electrical stimulation of calf muscle in healthy subjects. Liu HI, et al. **Phys Ther** 1987 Mar;67(3):340–5

[Function of the children's leg] Kusano K. **Ann Physiol Anthropol** 1985 Oct;4(4):342–3 **(Jpn)**

[Alternating leg movement induced by spinal anesthesia in an elderly male] Watanabe S, et al. **Masui** 1986 Aug; 35(8):1268–74 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Growing pains. Peterson H. **Pediatr Clin North Am** 1986 Dec; 33(6):1365–72

[Functional outcome of the lower limb after insertion of an intra–aortic counter–pressure balloon] Sebillotte P, et al. **Ann Chir** 1987;41(2):80–4 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Radiographic analysis of the axial alignment of the lower extremity. Moreland JR, et al. **J Bone Joint Surg [Am]** 1987 Jun;69(5):745–9

Contrast venography of the leg: diagnostic efficacy, tolerance, and complication rates with ionic and nonionic contrast media. Bettmann MA, et al. **Radiology** 1987 Oct; 165(1):113–6

[Macrolipodystrophy. The value of soft–tissue radiography] Bidat E, et al. **Arch Fr Pediatr** 1986 May;43(5):337–9 (Eng. Abstr.) **(Fre)**

[Computed tomographic findings of leg muscles in the hemiplegics due to cerebrovascular accidents] Odajima N, et al. **Rinsho Shinkeigaku** 1986 Aug;26(8):827–34 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Non–invasive investigation of lower limb revascularisation using resting thallium peripheral perfusion imaging. Earnshaw JJ, et al. **Eur J Nucl Med** 1986;12(9):443–6

SURGERY

Replantation of a leg in an adult with 6–years' follow–up. Vilkki SK. **Acta Orthop Scand** 1986 Oct;57(5):447–9

A prospective randomised trial comparing spinal anaesthesia using hyperbaric cinchocaine with general anaesthesia for lower limb vascular surgery. Cook PT, et al. **Anaesth Intensive Care** 1986 Nov;14(4):373–80

Minor complications following anaesthesia in young adults for orthopaedic surgery of the lower extremity. Pitkänen M, et al. **Ann Chir Gynaecol** 1987;76(2):99–103

Amputation in the diabetic: ten years experience in a district general hospital. Britton JP, et al. **Ann R Coll Surg Engl** 1987 May;69(3):127–9

Hemiplegia and lower extremity amputation: double disability. Altner PC, et al. **Arch Phys Med Rehabil** 1987 Jun;68(6):378–9

Rehabilitation of the blind amputee: a rewarding experience. Fisher FR. **Arch Phys Med Rehabil** 1987 Jun;68(6):382–3

Localized, operable soft tissue sarcoma of the lower extremity. Collin C, et al. **Arch Surg** 1986 Dec; 121(12):1425–33

The distally based split soleus muscle flap. Fayman MS, et al. **Br J Plast Surg** 1987 Jan;40(1):20–6

Tissue regeneration in the reconstruction of lost bone and soft tissue in the lower limbs: a preliminary report. Martini Z, et al. **Br J Plast Surg** 1987 Mar;40(2):142–8

Anterior tibial artery flap: anatomy and case report. Morrison WA, et al. **Br J Plast Surg** 1987 May;40(3):230–5

Anterolateral leg island flap. Torii S, et al. **Br J Plast Surg** 1987 May;40(3):236–40

Changing pattern of lower limb amputation for vascular disease. Sethia KK, et al. **Br J Surg** 1986 Sep;73(9):701–3

Bilateral lower extremity amputations after prolonged application of the pneumatic antishock garment: case report. McLellan BA, et al. **Can J Surg** 1987 Jan;30(1):55–6

Current procedures in China on replantation of severed limbs and digits. Chen ZW, et al. **Clin Orthop** 1987 Feb; (215):15–23

Modification of the skin incision for the Van Nes limb rotationplasty. Gebhart MJ, et al. **Clin Orthop** 1987 Mar; (216):179–82

Lower extremity trauma and reconstruction. **Clin Plast Surg** 1986 Oct;13(4):549–745

Amputation alternatives in the lower limb, stressing combined management of the traumatized extremity. Keblish PA. **Clin Plast Surg** 1986 Oct;13(4):595–618

Limb–salvage treatment versus amputation for osteosarcoma of the distal end of the femur. Simon MA, et al. **J Bone Joint Surg [Am]** 1986 Dec;68(9):1331–7

Major lower extremity amputation in patients with peripheral arterial insufficiency with special reference to the transgenicular amputation. Stirnemann P, et al. **J Cardiovasc Surg (Torino)** 1987 Mar–Apr;28(2):152–8

A method for early postoperative mobilization of the cerebral palsy patient using a removable abduction bar. Grogan DP, et al. **J Pediatr Orthop** 1987 May–Jun;7(3):338–40

Klippel–Trenaunay syndrome and other cases of lower limb hypertrophy: pediatric surgical implications. Stringel G, et al. **J Pediatr Surg** 1987 Jul;22(7):645–50

Free radial forearm flap versatility for the head and neck and lower extremity. Chicarilli ZN, et al. **J Reconstr Microsurg** 1986 Jul;2(4):221–8

Fate of the vascular patient after below–knee amputation. Cumming JG, et al. **Lancet** 1987 Sep 12;2(8559):613–5

Temporary arteriovenous shunt prior to free myoosseous flap transfer. Grenga TE, et al. **Microsurgery** 1987;8(1):2–4

Limb salvage in the patient with severe peripheral vascular disease: the role of microsurgical free–tissue transfer. Colen LB. **Plast Reconstr Surg** 1987 Mar;79(3):389–95

Below–knee amputation in patients with vascular disease and prosthetic fitting problems. Yaramenko D, et al. **Prosthet Orthot Int** 1986 Dec;10(3):125–8

Postamputation neuromas and other symptomatic stump abnormalities: detection with CT. Singson RD, et al. **Radiology** 1987 Mar;162(3):743–5

The distal pedicle fascia flap of the leg. Ferreira MC, et al. **Scand J Plast Reconstr Surg** 1986;20(1):133–6

Soft tissue reconstruction of the anterior surface of the lower leg in burn patients using a free latissimus dorsi muscle flap. Hammer H, et al. **Scand J Plast Reconstr Surg** 1986; 20(1):137–40

[Acute embolectomy in the lower limb. 20 years' experience at a central hospital] Allermand H, et al. **Ugeskr Laeger** 1987 Mar 16;149(12):773–6 (Eng. Abstr.) **(Dan)**

[Microsurgical treatment of accidental amputations of the extremities] Ipsen T, et al. **Ugeskr Laeger** 1986 Oct 6; 148(41):2611–4 (Eng. Abstr.) **(Dan)**

[Prevention of infections with antibiotics in leg amputations for ischemia] Sonne–Holm S, et al. **Ugeskr Laeger** 1987 Feb 9;149(7):436–8 (Eng. Abstr.) **(Dan)**

[Sciatic nerve block by the anterior approach in surgery of the legs] Racle JP, et al. **Ann Fr Anesth Reanim** 1986; 5(5):486–9 (Eng. Abstr.) **(Fre)**

[Van Nes rotation osteoplasty in congenital dysplasias and aplasias of the proximal femur in young children. A study of 6 cases] Rigault P, et al. **Int Orthop** 1987;11(1):43–51 (Eng. Abstr.) **(Fre)**

[The distally based sural fascio–cutaneous flap. A new technic for the coverage of loss of substance of the lower leg] Le Huec JC, et al. **J Chir (Paris)** 1987 Apr; 124(4):276–80 (Eng. Abstr.) **(Fre)**

[47–year course of severe lymphedema of the right lower limb. 6 successive operations from 1941 to 1950. Satisfactory condition 36 years after the last operation] Kunlin J, et al. **J Mal Vasc** 1986;11(3):310–2 (Eng. Abstr.) **(Fre)**

[Preservation of the limbs in osteosarcoma and other primary tumors of bone] Langlais F. **Presse Med** 1986 Nov 8; 15(39):1967–70 (Eng. Abstr.) **(Fre)**

[Regional intravenous anesthesia—what's new?] Gamulin Z. **Schweiz Rundsch Med Prax** 1987 Aug 4;76(32):883–4 (Eng. Abstr.) **(Fre)**

[Nerve block of the lower extremity] Polet A. **Schweiz Rundsch Med Prax** 1987 Aug 4;76(32):877–9 (Eng. Abstr.) **(Fre)**

[Technic of surgery of soft tissue tumors of the lower extremities] Junginger T, et al. **Chirurg** 1987 Jul; 58(7):456–62 **(Ger)**

[Peridural anesthesia with bupivacaine–CO2 and

bupivacaine–HCl. A comparative study] Mattila MA, et al. **Reg Anaesth** 1986 Oct;9(4):105–9 (Eng. Abstr.) **(Ger)**

[Headache following spinal anesthesia: also a problem of the local anesthetic used?] Wilder-Smith OH, et al. **Reg Anaesth** 1987 Apr;10(2):59–64 (Eng. Abstr.) **(Ger)**

[Amputations] Marquardt E, et al. **Z Orthop** 1986 Jul–Aug; 124(4):422–5 **(Ger)**

[Esthetic correction of lower leg asymmetries, calf augmentation–plasty] Szalay L. **Z Orthop** 1987 Jan–Feb; 125(1):73–6 (Eng. Abstr.) **(Ger)**

[Development of the clinical use of flaps obtained from the gastrocnemius muscle] Podlewski J, et al. **Chir Narzadow Ruchu Ortop Pol** 1986;51(2):156–62 (Eng. Abstr.) **(Pol)**

[Treatment of lymphedema in a controlled abacterial medium] Kostiuchenok BM, et al. **Khirurgiia (Mosk)** 1986 Dec;(12):54–8 (Eng. Abstr.) **(Rus)**

[Lymphedema of the lower extremities and its treatment] Khalmosh L, et al. **Klin Khir** 1986;(7):56–9 (Eng. Abstr.) **(Rus)**

[Surgical treatment of deformities of the lower extremities in renal osteodystrophy] Krisiuk AP, et al. **Ortop Travmatol Protez** 1987 Jan;(1):19–22 (Eng. Abstr.) **(Rus)**

LEG DERMATOSES

Diseases of the lower extremities. **Clin Dermatol** 1983 Jul–Sep;1(1):1–146

COMPLICATIONS

Secondary syphilis: report of a case complicated by atypical Jarisch–Herxheimer reaction. Wood DR. **J Am Osteopath Assoc** 1987 May;87(5):374–6

[Chronic pigmented purpura] Alcalay J, et al. **Harefuah** 1986 Jun 15;110(12):608–9 (Eng. Abstr.) **(Heb)**

DIAGNOSIS

Differentiating vesicular linear lichen planus and lichen striatus. Katz M, et al. **Cutis** 1987 Aug;40(2):151–3

Idiopathic guttate hypomelanosis. Kattler SJ, et al. **J Am Podiatr Med Assoc** 1987 Jun;77(6):302–3

Localized polyarteritis nodosa: cases involving the lower extremities and the breast. Levy A, et al. **Rheumatol Int** 1986;6(1):43–4

DRUG THERAPY

Pyoderma gangrenosum complicating ulcerative colitis: successful treatment with methylprednisolone pulse therapy and dapsone. Galun E, et al. **Am J Gastroenterol** 1986 Oct;81(10):988–9

The efficacy of five per cent oxyphenbutazone cream in the treatment of venous eczema of the leg. Haeger K. **Angiology** 1975 Jul–Aug;26(7):524–7

Contact dermatitis due to crotamiton. Lama L, et al. **Contact Dermatitis** 1986 Oct;15(4):255–6

ETIOLOGY

Euthyroid pretibial myxedema. Chen JJ, et al. **Am J Med** 1987 Feb;82(2):318–20

Papulosquamous diseases of the lower extremities. Wise RD. **Clin Dermatol** 1983 Jul–Sep;1(1):35–43

Post-saphenous phlebectomy donor leg cellulitis. Downey MS, et al. **J Am Podiatr Med Assoc** 1987 Jun;77(6):277–83

Simulium dermatitis in man—clinical and biological features in South Africa. A case report. de Villiers PC. **S Afr Med J** 1987 Apr 18;71(8):523–5

[Gangrenous pyoderma in monoclonal IgA gammopathy and functional disorders of T lymphocytes] Samochocki Z, et al. **Przegl Dermatol** 1986 Sep–Oct;73(5):409–12 (Eng. Abstr.) **(Pol)**

[Ulcero-vegetative candidiasis of the leg] Cucé LC, et al. **Rev Inst Med Trop Sao Paulo** 1986 Sep–Oct;28(5):364–7 (Eng. Abstr.) **(Por)**

[Limited pretibial myxedema—a symptom of dysthyreosis] Karalitskiĭ EM, et al. **Vestn Dermatol Venerol** 1987;(3):41–5 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Graves' autoantibodies to extrathyroidal TSH receptor: their role in ophthalmopathy and pretibial myxedema. Rotella CM, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:344–7

PATHOLOGY

[A case of a phlegmonous and necrotic form of erysipelas] Fedotov VV, et al. **Sov Med** 1986;(9):121–2 **(Rus)**

SURGERY

[Venous dysfunction, chronic cutaneous changes and leg ulcers. Surgical prevention and treatment] Iversen T, et al. **Tidsskr Nor Laegeforen** 1987 Jan 20;107(2):138–41 (Eng. Abstr.) **(Nor)**

[Treatment of crural phlegmon by aspiration–irrigation drainage in a medical unit] Shkliaruk MV, et al. **Voen Med Zh** 1987 May;(5):66 **(Rus)**

LEG INJURIES

Sports medicine. **Clin Podiatr Med Surg** 1986 Oct; 3(4):595–745

[Therapeutic–transportation splint for the leg] Mel'nikov AG, et al. **Voen Med Zh** 1987 Feb;(2):67–8 **(Rus)**

CHEMICALLY INDUCED

[Fractures caused by bone insufficiency in osteoporotic patients treated with sodium fluoride (letter)] Gaucher A, et al. **Presse Med** 1987 Jun 6;16(21):1059 **(Fre)**

COMPLICATIONS

Cardiovascular disease risk factors in combat veterans after traumatic leg amputations. Rose HG, et al. **Arch Phys Med Rehabil** 1987 Jan;68(1):20–3

Traumatic venous aneurysm. Case report. Aprin H, et al. **Clin Orthop** 1987 Apr;(217):243–6

Management of vascular compromise associated with blunt trauma to the knee and lower leg. Hutchinson DT. **Del Med J** 1986 Sep;58(9):603–6, 611–3

Fatal hydrofluoric acid cutaneous exposure with refractory ventricular fibrillation. Mullett T, et al. **J Burn Care Rehabil** 1987 May–Jun;8(3):216–9

Avulsion of tibialis anticus and peronei muscles resulting in acute anterior and lateral compartment syndrome. Freundlich BD, et al. **J Trauma** 1987 Apr;27(4):453–4

Peripheral arterial missile embolization: a case report and 22-year literature review. Shannon JJ Jr, et al. **J Vasc Surg** 1987 May;5(5):773–8 (25 ref.)

Induction of involuntary movements by peripheral trauma: an analogy with causalgia. Schott GD. **Lancet** 1986 Sep 27;2(8509):712–6

Traumatic pseudoaneurysm of the anterior tibial artery simulating soft tissue malignancy. Dominguez R, et al. **Skeletal Radiol** 1986;15(8):622–4

[The risk of aneurysm. Another reason to treat traumatic arteriovenous fistulas surgically] Mellière D, et al. **J Mal Vasc** 1987;12(3):277–9 (Eng. Abstr.) **(Fre)**

[Infected fractures of the leg (letter)] Lortat-Jacob A. **Rev Chir Orthop** 1986;72(6):465 **(Fre)**

[Compartment syndrome] Echtermeyer V. **Langenbecks Arch Chir** 1986;369:527–33 (Eng. Abstr.) **(Ger)**

[Lymphography of foot edema following fractures of the lower third of the leg] Cepelenko GV. **Radiol Diagn (Berl)** 1987;28(2):223–30 (Eng. Abstr.) **(Ger)**

[Use of calcitonin in the treatment of post-traumatic Sudeck syndrome of the lower extremities] Tantó Z, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1986; 29(4):284–90 (Eng. Abstr.) **(Hun)**

[Cranio-cerebral injuries associated with fractures of the pelvis or lower extremities] Kotwica Z, et al. **Wiad Lek** 1987 Mar 15;40(6):383–6 (Eng. Abstr.) **(Pol)**

[Disorders of cardiac activity in traumatic arteriovenous fistulae of the extremities] Pantsulaia GE, et al. **Kardiologiia** 1987 Jun;27(6):107 **(Rus)**

[Causes of disability in sequelae of fractures of the bones of the leg and ways of reducing it] Berko VG, et al. **Ortop Travmatol Protez** 1987 Feb;(2):38–40 (Eng. Abstr.) **(Rus)**

[Status of the joints of the lower extremities in sports veterans] Mironova ZS, et al. **Ortop Travmatol Protez** 1987 Jan;(1):32–6 (Eng. Abstr.) **(Rus)**

[Dermatoplastic operations in the treatment of remote sequelae of injuries] Kuleshova ZD, et al. **Voen Med Zh** 1987 Feb;(2):28–9 **(Rus)**

[Dependence of the suppuration of open fractures of bones of the extremities on the localization and nature of the injury] Rusakov AB, et al. **Voen Med Zh** 1987 Mar;(3):34–5 **(Rus)**

[Subcutaneous gas collection after leg wound—infection or ventile mechanism as the cause?] Rudholm K, et al. **Lakartidningen** 1986 Sep 3;83(36):2945–6 **(Swe)**

DIAGNOSIS

Extremity injuries in children: predictive value of clinical findings. Rivara FP, et al. **Pediatrics** 1986 Nov;78(5):803–7

Calf hematoma—computed tomographic and magnetic resonance findings. Pakter RL, et al. **Skeletal Radiol** 1987; 16(5):393–6

[Work capacity and disability following treatment for deep burns of the lower extremities] Khadzhiĭski O. **Khirurgiia (Sofiia)** 1987;40(1):44–7 (Eng. Abstr.) **(Bul)**

[Importance of electroneuromyographic study for the diagnosis and treatment of injuries to the nerve trunks of the extremities] Georgiu A. **Vrach Delo** 1986 Nov;(11):87–9 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Role of antibiotics in the treatment of extremity gunshot wounds. McCormick P, et al. **Indiana Med** 1987 May; 80(5):470–2

ECONOMICS

[Economic aspects of the treatment of patients with fractures of the upper and lower extremities] Karalin AN, et al. **Ortop Travmatol Protez** 1987 Mar;(3):25–8 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Lower extremity overuse injuries. Micheli LJ. **Acta Med Scand [Suppl]** 1986;711:171–7 (22 ref.)

Knee, ankle, and foot problems in the preadolescent and adolescent athlete. Wong JC, et al. **Clin Podiatr Med Surg** 1986 Oct;3(4):731–45

Stress fractures in athletes. Hulkko A, et al. **Int J Sports Med** 1987 Jun;8(3):221–6

Lower extremity burns related to sensory loss in diabetes mellitus. Katcher ML, et al. **J Fam Pract** 1987 Feb; 24(2):149–51

Overuse syndrome. Ames DL. **J Fla Med Assoc** 1986 Aug; 73(8):607–8

Hazards of ferrous materials in MRI: a case report. Malott JC. **Radiol Technol** 1987 Jan–Feb;58(3):233–5

[Changes in the characteristics of sports injuries based on the example of skiing] Rüedi T, et al. **Helv Chir Acta** 1987 May;53(6):765–71 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Two isolations of enteric group 69 from human clinical specimens. Søgaard P, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Oct; 94(5):365–7

OCCURRENCE

Bicycle-related injuries. Selbst SM, et al. **Am J Dis Child** 1987 Feb;141(2):140–4

[Sports during the growing years—a burden or pleasure?] von Laer L. **Helv Chir Acta** 1987 May;53(6):755–63 (49 ref.) (Eng. Abstr.) **(Ger)**

[Lesions of the soft tissues of the legs. Statistical review of 3588 cases] Pepe G, et al. **Minerva Chir** 1987 May 31; 42(10):879–81 (Eng. Abstr.) **(Ita)**

PATHOLOGY

[Gangrene of the leg with an intact cutaneous integument] Sergeev SV. **Sov Med** 1987;(6):113–4 **(Rus)**

[Forensic medical evaluation of diaphyseal fractures of the leg bones] Bakhmet'ev VI. **Sud Med Ekspert** 1987 Apr–Jun; 30(2):10–2 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The relationship of injuries of the leg, foot, and ankle to proximal thigh strength in athletes. Nicholas JA, et al. **Foot Ankle** 1987 Feb;7(4):218–28

RADIOGRAPHY

Maisonneuve fracture: case report of a missed diagnosis. Lock TR, et al. **Ann Emerg Med** 1987 Jul;16(7):805–7

Can the use of radiography of arms and legs in accident and emergency units be made more efficient? Charny MC, et al. **Br Med J** 1987 Jan 31;294(6567):291–3

Suspected vascular trauma of the extremities: the role of arteriography in proximity injuries. Gomez GA, et al. **J Trauma** 1986 Nov;26(11):1005–8

Stab wounds to the extremities: indications for angiography [letter] Quinn MF, et al. **Radiology** 1987 Oct;165(1):291–2

[Arteriography in the analysis of the causes of delayed consolidation of fractures of the lower extremity] Cepelenko GV, et al. **Radiol Diagn (Berl)** 1986;27(6):783–90 (Eng. Abstr.) **(Ger)**

[Imaging studies to clarify injuries to the extremities in cases of multiple injuries] Käch K. **Schweiz Rundsch Med Prax** 1986 Aug 19;75(34):987–91 (Eng. Abstr.) **(Ger)**

[Prognostic value of arteriography in the treatment of patients with delayed union of the bones of the lower extremities] Chepelenko GV, et al. **Khirurgiia (Mosk)** 1986 Nov;(11):31–4 (Eng. Abstr.) **(Rus)**

[Clinical lymphographic diagnosis of posttraumatic edema in the substitution of bone defects] Chepelenko GV. **Vestn Khir** 1987 Apr;138(4):36–8 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Stress fractures after surgery for osteosarcoma: scintigraphic assessment. Ben Ami T, et al. **Radiology** 1987 Apr; 163(1):157–62

REHABILITATION

[Rehabilitation] Schlegel KF. **Langenbecks Arch Chir** 1986; 369:715–6 (Eng. Abstr.) **(Ger)**

SURGERY

Replantation of a leg in an adult with 6-years' follow-up. Vilkki SK. **Acta Orthop Scand** 1986 Oct;57(5):447–9

Salvage of lower extremities following combined orthopedic and vascular trauma. A predictive salvage index. Howe HR Jr, et al. **Am Surg** 1987 Apr;53(4):205–8

Soft tissue problems associated with the use of external fixation frames [letter] Mercer NS. **Br J Plast Surg** 1987 May;40(3):325

Management of lower limb burns using suspension of the leg by means of ASIF bone screws. An analysis of the results. Vloemans AF, et al. **Burns Incl Therm Inj** 1987 Jun;13(3):245–7

Combined bilateral free latissimus dorsi skin flap transplantation. Report of a case. Yu ZJ, et al. **Chin Med J [Engl]** 1986 Mar;99(3):225–8

Lower extremity trauma and reconstruction. **Clin Plast Surg** 1986 Oct;13(4):549–745

Lower extremity nerve injuries. Aldea PA, et al. **Clin Plast Surg** 1986 Oct;13(4):691–9 (48 ref.)
The evolution of the surgical management of severe lower extremity trauma. Aldea PA, et al. **Clin Plast Surg** 1986 Oct;13(4):549–69
Lower extremity avulsion injuries. Hidalgo DA. **Clin Plast Surg** 1986 Oct;13(4):701–10
Management of lower limb vascular injuries. Khalil IM, et al. **Clin Plast Surg** 1986 Oct;13(4):711–22 (42 ref.)
Aesthetic reconstructions of the leg after trauma. Shaw WW. **Clin Plast Surg** 1986 Oct;13(4):723–33
Management of difficult lower extremity fractures and nonunions. Swartz WM, et al. **Clin Plast Surg** 1986 Oct; 13(4):633–44
Acute management of severe soft-tissue damage accompanying open fractures of the lower extremity. Yaremchuk MJ. **Clin Plast Surg** 1986 Oct;13(4):621–32
The electrical injury: origins and treatment perspectives. Felice PR, et al. **Conn Med** 1986 Nov;50(11):721–4
Indications of primary osteosynthesis in patients with fractures of long bones of extremities with special regard to multiple and associated fractures of femur diaphysis. Kroupa J. **Czech Med** 1986;9(4):218–32 (39 ref.)
Amputation salvage with microvascular free flap from the amputated extremity. Frykman GK, et al. **J Trauma** 1987 Mar;27(3):326–9
Traumatic hemipelvectomy. Moore WM, et al. **J Trauma** 1987 May;27(5):570–2
Intravascular shunts in complex lower limb trauma. Khalil IM, et al. **J Vasc Surg** 1986 Dec;4(6):582–7
The free cutaneous scapular flap in lower extremity reconstruction. Monsivais JL, et al. **Milit Med** 1987 May; 152(5):255–9
Latissimus dorsi free flaps for total repair of extensive lower leg injuries in children. Banic A, et al. **Plast Reconstr Surg** 1987 May;79(5):769–75
Aesthetic considerations of the medial gastrocnemius myocutaneous flap. Kroll SS, et al. **Plast Reconstr Surg** 1987 Jan;79(1):67–71
Acute and definitive management of traumatic osteocutaneous defects of the lower extremity. Yaremchuk MJ, et al. **Plast Reconstr Surg** 1987 Jul;80(1):1–14
[Treatment of deep and extensive burns of the lower extremities] Khadzhilaki O. **Khirurgiia (Sofiia)** 1986; 39(4):32–5 (Eng. Abstr.) **(Bul)**
[Clinical use of island flaps in orthopedics] Hong GX. **Chung Hua I Hsueh Tsa Chih** 1986 Aug;66(8):491–2 **(Chi)**
[Clinical uses of the saphenous neurovascular axial skin flap in treating skin defects of the lower extremity] Lu KH, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Dec;24(12):762–4, 783 (Eng. Abstr.) **(Chi)**
[Clinical use of island skin-flaps] Mei FR, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Aug;24(8):500–1, 511 (Eng. Abstr.) **(Chi)**
[Combined bilateral free latissimus dorsi skin flap: a case report] Yu ZJ, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Nov;24(11):693–4, 702 (Eng. Abstr.) **(Chi)**
[Treatment of extensive avulsions of the skin and soft tissues of the extremities] Huygen RE, et al. **Ned Tijdschr Geneeskd** 1986 Oct 11;130(41):1836–40 (Eng. Abstr.) **(Dut)**
[The value of a locking nail in the treatment of aseptic diaphyseal pseudarthrosis of the lower limb] Delefortrie G, et al. **Acta Orthop Belg** 1986 Sep–Oct;52(5):651–60 **(Fre)**
[External fasciocutaneous flap of the leg with a distal pedicle] Gréco JM, et al. **Ann Chir Plast Esthet** 1986;31(2):109–17 (Eng. Abstr.) **(Fre)**
[Cutaneous cover of the lower third of the leg: the distal soleus muscle flap] Leclercq C, et al. **Ann Chir Plast Esthet** 1987;32(2):140–3 (Eng. Abstr.) **(Fre)**
[Combination of traumatic vascular and neural lesions of the limbs. Surgical approach. Apropos of 10 cases] Ducolombier A, et al. **J Chir (Paris)** 1987 Apr;124(4):246–9 (Eng. Abstr.) **(Fre)**
[The distally based sural fascio-cutaneous flap. A new technic for the coverage of loss of substance of the lower leg] Le Huec JC, et al. **J Chir (Paris)** 1987 Apr; 124(4):276–80 (Eng. Abstr.) **(Fre)**
[Ilizarov's technic: a sometimes misleading simplicity] Peyrou PL. **J Chir (Paris)** 1987 Jun–Jul;124(6–7):394–3 (Eng. Abstr.) **(Fre)**
[Analysis of the treatment results of 230 open fractures] Drescher S, et al. **Beitr Orthop Traumatol** 1986 Sep; 33(9):431–6 (Eng. Abstr.) **(Ger)**
[Use of a fascia flap of the forearm in soft tissue defects of the extremities] Partecke BD, et al. **Handchir Mikrochir Plast Chir** 1986 Nov;18(6):353–5 (Eng. Abstr.) **(Ger)**
[Replantation of the extremities with special reference to flanking measures] Scharnagl E. **Handchir Mikrochir Plast Chir** 1986 Sep;18(5):275–88 (Eng. Abstr.) **(Ger)**
[Transposition plasty] Berger A. **Langenbecks Arch Chir** 1986; 369:641–5 (Eng. Abstr.) **(Ger)**
[Free tissue transfer] Biemer E. **Langenbecks Arch Chir** 1986; 369:647–50 (Eng. Abstr.) **(Ger)**
[Local reconstructive possibilities following infections of the lower leg and foot] Köhnlein HE. **Langenbecks Arch Chir** 1986;369:637–40 (Eng. Abstr.) **(Ger)**
[Post-traumatic osteitis following severe soft tissue and skeletal injuries of the distal lower leg and foot] Matter P, et al. **Langenbecks Arch Chir** 1986;369:633–6 (Eng. Abstr.) **(Ger)**
[Severe soft tissue and bone injuries of the distal lower leg and foot: indications for arthrodesis or joint replacement] Muhr G, et al. **Langenbecks Arch Chir** 1986;369:705–8 (Eng. Abstr.) **(Ger)**
[Macro- and microreplantations of the lower leg and foot] Seiler H, et al. **Langenbecks Arch Chir** 1986;369:625–7 (Eng. Abstr.) **(Ger)**
[Indications for corrective operations for maintaining function in post-traumatic deformities of the distal lower leg and foot] Wagner H. **Langenbecks Arch Chir** 1986; 369:699–703 (Eng. Abstr.) **(Ger)**
[Therapeutic concepts in neurologic damage following severe soft tissue and bone injuries of the distal lower leg and foot] Wallenfang T, et al. **Langenbecks Arch Chir** 1986; 369:629–32 (Eng. Abstr.) **(Ger)**
[Osteoarticular injuries with vascular lesions of the lower limbs] Ciuccarelli C, et al. **Chir Organi Mov** 1986 Apr–Jun; 71(2):79–90 (Eng. Abstr.) **(Ita)**
[Effects of naproxen on the postoperative course. A study of the effects of naprozen on the immediate postoperative period in the surgical treatment of crural fractures] Strømsøe K, et al. **Tidsskr Nor Laegeforen** 1987 Feb 28; 107(6):548–50 **(Nor)**
[Use of a flap from the gastrocnemius muscle in the treatment of crural soft tissue defects] Jastrzebski T, et al. **Chir Narzadow Ruchu Ortop Pol** 1987;52(1):66–72 (Eng. Abstr.) **(Pol)**
[Treatment of habitual dislocation of peroneal muscle tendons using the Vierstein-Beck method] Pizio Z, et al. **Chir Narzadow Ruchu Ortop Pol** 1986;51(6):494–7 (Eng. Abstr.) **(Pol)**
[Experimental studies on the use of carbon filters in surgery of the locomotor system] Kuś WM. **Pol Tyg Lek** 1986 May 19;41(20):665–9 (Eng. Abstr.) **(Pol)**
[Primary simultaneous surgery in combined and multiple fractures of the long tubular bones] Shaposhnikov VI. **Khirurgiia (Mosk)** 1986 Nov;(11):19–21 (Eng. Abstr.) **(Rus)**
[Sparing treatment of severe traffic injuries of the extremities] Berezhnoi SI, et al. **Ortop Travmatol Protez** 1987 Feb; (2):46–7 **(Rus)**
[Treatment of united fractures of the leg bones] Karpov SP, et al. **Ortop Travmatol Protez** 1986 Sep;(9):46–9 **(Rus)**
[Dislocations of the leg in miners] Lobko IaU, et al. **Ortop Travmatol Protez** 1986 Aug;(8):53–4 **(Rus)**
[Treatment of patients with bone and vascular injuries of the extremities] Minachenko VK. **Ortop Travmatol Protez** 1986 Jul;(6):26–30 (Eng. Abstr.) **(Rus)**
[Attachment for applying the Ilizarov apparatus and for x-ray follow-up in fractures of the leg bones] Ruzhnikov AE. **Ortop Travmatol Protez** 1986 Jul;(6):58 **(Rus)**
[Our experience in replantations of large segments of the extremities] Stepanov GA, et al. **Vestn Akad Med Nauk SSSR** 1987;(5):65–9 (Eng. Abstr.) **(Rus)**
[Subcutaneous rupture of tendons and muscles of the extremities] Levitskii FA, et al. **Vestn Khir** 1987 Mar; 138(3):88–91 (Eng. Abstr.) **(Rus)**
[Surgical procedure in traumatic suppurative-necrotic osteitis of the leg] Zakrevskii LK. **Vestn Khir** 1986 Oct; 137(10):74–6 (Eng. Abstr.) **(Rus)**
[Stable functional osteosynthesis with meal plates in fractures and pseodarthroses of long tubular bones] Shipunov GP. **Voen Med Zh** 1987 May;(5):65 **(Rus)**
[Use of external fixation devices in crural osteoplastic amputations] Toronov IuG. **Voen Med Zh** 1987 May; (5):50–1 **(Rus)**
[Adjustment of the skin and soft tissues in the area of the foot, calf and thigh amputation stump] Petrović S, et al. **Acta Chir Orthop Traumatol Cech** 1986 Dec;53(6):532–41 (Eng. Abstr.) **(Slo)**

THERAPY

Soft-tissue infection in lower extremity trauma. Feng LJ, et al. **Clin Plast Surg** 1986 Oct;13(4):735–45
Skeletal suspension in the management of severe burns in children. A sixteen-year experience. Youel L, et al. **J Bone Joint Surg [Am]** 1986 Dec;68(9):1375–9
Gunshot wounds to the lower extremity: principles and treatment. Anania WC, et al. **J Foot Surg** 1987 May–Jun; 26(3):228–32
Management of burned long bones. Sellers DS, et al. **J Trauma** 1987 Mar;27(3):322–5
[Treatment of severe injuries of the lower limbs. Identification of clinical criteria of severity] Hervé C, et al. **Presse Med** 1986 Oct 11;15(34):1719–22 (Eng. Abstr.) **(Fre)**
[Functional treatment of fractures of the upper and lower extremities. Results of 3 years' experience] Ekkernkamp A, et al. **Zentralbl Chir** 1986;111(24):1503–8 (Eng. Abstr.) **(Ger)**
[Use of electric stimulation for activating the process of bone consolidation] Kalnberz VK, et al. **Med Tekh** 1986 Nov–Dec;(6):13–9 (Eng. Abstr.) **(Rus)**
[Ultrasound in the complex treatment of open fractures of the bones of the leg] Govorov NN, et al. **Ortop Travmatol Protez** 1987 Feb;(2):44–5 **(Rus)**
[Indications for conservative and surgical treatment of diaphyseal fractures of long tubular bones] Karalin AN. **Ortop Travmatol Protez** 1986 Dec;(12):53–4 **(Rus)**
[Treatment of slowly consolidating and ununited fractures of the leg bones with functional bandages] Ryndenko VG, et al. **Ortop Travmatol Protez** 1986 Aug;(8):43–6 (Eng. Abstr.) **(Rus)**
[Vacuum irrigation treatment in a combination of therapeutic measures in the suppurative necrotic complications of open injuries] Ryndenko VG, et al. **Ortop Travmatol Protez** 1986 Jul;(6):49–50 **(Rus)**
[Hemosorption in the treatment of intra-articular fractures complicated by suppurative infection] Ternovoĭ KS, et al. **Ortop Travmatol Protez** 1987 May;(5):25–7 (Eng. Abstr.) **(Rus)**
[Use of a shortened plaster cast in treating diaphyseal fractures of the leg bones] Tumian SD, et al. **Ortop Travmatol Protez** 1986 Sep;(9):45–6 **(Rus)**
[Skeletal traction treatment in oblique and spiral fractures of the bones of the lower third of the leg] Zverev EV, et al. **Ortop Travmatol Protez** 1986 Aug;(8):52–3 **(Rus)**
[Multiple fractures of the lower extremities and experiences in their treatment] Shavarin BV, et al. **Vestn Khir** 1986 Sep;137(9):89–91 (Eng. Abstr.) **(Rus)**
[Blocks in the system of the combined treatment of injuries to the lower extremities (2)] Grabovoĭ AF, et al. **Voen Med Zh** 1986 Nov;(11):50–2 (0 ref.) **(Rus)**
[Treatment of fractures of the long bones in patients with multiple injuries] Krajničák J, et al. **Rozhl Chir** 1987 May; 66(5):351–5 (Eng. Abstr.) **(Slo)**

VETERINARY

Posologic evaluation of clindamycin, using a canine model of posttraumatic osteomyelitis. Braden TD, et al. **Am J Vet Res** 1987 Jul;48(7):1101–5
The effect of floor type in farrowing pens on pig injury. II. Leg and teat damage of sows. Edwards SA, et al. **Br Vet J** 1986 Sep–Oct;142(5):441–5
The effect of floor type in farrowing pens on pig injury. I. Leg and teat damage of suckling piglets. Furniss SJ, et al. **Br Vet J** 1986 Sep–Oct;142(5):434–40
Lateral ligamentous injury to the carpus of a racing greyhound. Roe SC, et al. **J Am Vet Med Assoc** 1986 Aug 15;189(4):453–4
Metacarpal and metatarsal fractures in dairy cattle: 33 cases (1979–1985). Tulieners EP. **J Am Vet Med Assoc** 1986 Aug 15;189(4):463–8
'Pus-filled leg' [letter] Glushanok J. **Vet Rec** 1987 May 23; 120(21):507–8
[How would you treat a horse with an old wound on the cannon bone?] **Tijdschr Diergeneeskd** 1987 Jun 15; 112(12):749–50 **(Dut)**

LEG LENGTH INEQUALITY

see related

BONE LENGTHENING

Inter- and intra-examiner reliability of leg-length measurement: a preliminary study [letter] Danelius BD. **J Manipulative Physiol Ther** 1987 Jun;10(3):132–3

COMPLICATIONS

Lower limb asymmetry and patellofemoral joint incongruence in the etiology of knee exertion injuries in athletes. Kujala UM, et al. **Int J Sports Med** 1987 Jun; 8(3):214–20
[Radiologic findings in idiopathic scoliosis. Etiopathogenetic interpretation] Manganiello A. **Radiol Med (Torino)** 1987 Apr;73(4):271–6 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Leg length inequality in piriformis syndrome [letter] Grant JH. **J Am Osteopath Assoc** 1987 Jul;87(7):456
Leg-length discrepancy. Moseley CF. **Pediatr Clin North Am** 1986 Dec;33(6):1385–94
[Idiopathic leg length inequality in childhood and its prognosis] Rüther W, et al. **Klin Padiatr** 1987 Mar–Apr; 199(2):111–4 (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Femoral fractures near the knee in the growth period] Rettig H, et al. **Aktuel Traumatol** 1987 Apr;17(2):60–4 (Eng. Abstr.) **(Ger)**
[Changes in the inequality of the length of extremities after varus osteotomy of the femur in Perthes disease] Barta O, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1987; 30(1):5–9 (Eng. Abstr.) **(Hun)**
[The problem of slight leg length inequality] Selivanov VP. **Ortop Travmatol Protez** 1987 May;(5):61–3 **(Rus)**

OCCURRENCE

The relationship between anthropometric, postural, muscular, and mobility characteristics of males ages 18–55 [letter] Sullivan MS. **Spine** 1986 Nov;11(9):973

RADIOGRAPHY

Computed radiographic imaging: use in low-dose leg length radiography. Kogutt MS. **AJR** 1987 Jun;148(6):1205–6
Limb-length discrepancy measured with computerized axial tomographic equipment. Huurman WW, et al.

J Bone Joint Surg [Am] 1987 Jun;69(5):699–705

Measurement of leg length inequalities by Micro-Dose digital radiographs. Altongy JF, et al. **J Pediatr Orthop** 1987 May–Jun;7(3):311–6

Assessment of inequality in length of the lower limb. Horsfield D, et al. **Radiography** 1986 Sep–Oct; 52(605):223–7

REHABILITATION

[Leg length discrepancy and the design of shoes] Wichers MJ, et al. **Ned Tijdschr Geneeskd** 1987 Jun 27; 131(26):1118–20 **(Dut)**

SURGERY

Genu recurvatum caused by partial growth arrest of the proximal tibial physis: simultaneous correction and lengthening with physeal distraction. A report of two cases. Olerud C, et al. **Arch Orthop Trauma Surg** 1986;106(1):64–8

Longitudinal growth of the femur and tibia after diaphyseal lengthening. Shapiro F. **J Bone Joint Surg [Am]** 1987 Jun; 69(5):684–90

Leg-length inequality in children treated by Syme's amputation. Fergusson CM, et al. **J Bone Joint Surg [Br]** 1987 May;69(3):433–6

[Innominate and femoral osteotomy for the treatment of fulcrum damage of the hip joint and lower leg inequality] Yang LM. **Chung Hua Wai Ko Tsa Chih** 1986 Apr; 24(4):214–5, 253 (Eng. Abstr.) **(Chi)**

[Simplified technic of extemporaneous lengthening of the femur in children] Morel G, et al. **Chir Pediatr** 1986; 27(6):326–8 (Eng. Abstr.) **(Fre)**

[Closed distraction epiphysiolysis for leg lengthening and axis correction of the leg in children] Wasserstein I, et al. **Z Orthop** 1986 Nov–Dec;124(6):743–50 (Eng. Abstr.) **(Ger)**

[Limb length inequality: surgical treatment and results] Manes E, et al. **Chir Organi Mov** 1986 Apr–Jun;71(2):101–5 (Eng. Abstr.) **(Ita)**

[Roentgenodensitometric and radioisotope studies of reparative osteogenesis after distraction osteosynthesis] Sveshnikov AA, et al. **Ortop Travmatol Protez** 1987 May; (5):47–50 (Eng. Abstr.) **(Rus)**

[Gradual proportioned crural reduction in the treatment of patients with Little's syndrome] Ust'iantsev VI, et al. **Ortop Travmatol Protez** 1986 Oct;(10):54–5 **(Rus)**

THERAPY

[Distraction epiphysiolysis, a new method for leg lengthening and correction of standing posture] Sijbrandij S, et al. **Ned Tijdschr Geneeskd** 1986 Dec 20;130(51):2303–7 (Eng. Abstr.) **(Dut)**

[Distraction epiphysiolysis, a new method for leg lengthening and posture correction (letter)] Zwart HJ. **Ned Tijdschr Geneeskd** 1987 Mar 28;131(13):546 **(Dut)**

[Indications for axis-correcting measures of the lower leg in massive malposition without adequate post-traumatic arthrosis in the knee and ankle joint] Kaps HP. **Aktuel Traumatol** 1986 Oct;16(5):207–9 **(Ger)**

VETERINARY

[Unequal femurs] Frencken J. **Tijdschr Diergeneeskd** 1987 Feb 15;112(4):218–9 (Eng. Abstr.) **(Dut)**

LEG ULCER

Venous ulceration. Layer GT. **Scott Med J** 1986 Jul; 31(3):141–3

BLOOD

Ulcer necrotic legs as first manifestation of protein S deficiency [letter] Vicente V, et al. **Blut** 1987 Apr; 54(4):253–4

TcPO2, venous ulceration and position changes [letter] Dodd HJ, et al. **J R Soc Med** 1986 Nov;79(11):686–7

Transcutaneous measurements of oxygen tension at edges of leg ulcers: preliminary communication. Mani R, et al. **J R Soc Med** 1986 Nov;79(11):650–4

DIAGNOSIS

Nontuberculous mycobacterial skin infection resembling lepromatous leprosy. Love GL. **South Med J** 1987 Aug; 80(8):1060–1

[Clinical and treatment characteristics of chronic pyococcal skin ulcers of the lower extremities] Siukhin VI. **Voen Med Zh** 1986 Nov;(11):49 **(Rus)**

[Ulcerative pyoderma of the lower extremities in military personnel] Zaerko VV. **Voen Med Zh** 1986 Sep;(9):52–3 **(Rus)**

DRUG THERAPY

A study of the effect of cadexomer iodine in the treatment of venous leg ulcers. Harcup JW, et al. **Br J Clin Pract** 1986 Sep;40(9):360–4

Colchicine suppression of local inflammation due to calcinosis in dermatomyositis and progressive systemic sclerosis. Fuchs D, et al. **Clin Rheumatol** 1986 Dec; 5(4):527–30

Contact dermatitis to geraniol in a leg ulcer. Guerra P, et al. **Contact Dermatitis** 1987 May;16(5):298–9

Oral prostaglandin E1 as a therapeutic modality for leg ulcers in Behçet's disease. Takeuchi A, et al. **Int J Clin Pharmacol Res** 1987;7(4):283–9

Controlled double-blind trial of fibrinolysin-desoxyribonuclease (Elase) solution in patients with chronic leg ulcers who are treated before autologous skin grafting. Westerhof W, et al. **J Am Acad Dermatol** 1987 Jul;17(1):32–9

Regional isolated limb perfusion of melanoma intransit metastases using mechlorethamine (nitrogen mustard). Shiu MH, et al. **J Clin Oncol** 1986 Dec;4(12):1819–26

Leg ulceration and Efamol [letter] Morrison CS. **NZ Med J** 1986 Sep 10;99(809):684

Leg ulcers and Efamol [letter] Morrison CS. **NZ Med J** 1986 Dec 10;99(815):957–8

Leg ulceration and Efamol [letter] Simpson LO. **NZ Med J** 1986 Nov 12;99(813):867

[Treatment of leg ulcer with benzoyl peroxide] Crickx B. **Ann Dermatol Venereol** 1986;113(9):877–9 **(Fre)**

[A few initial truths and the practical value of cadexomer iodine in the ambulatory treatment of leg ulcers] Frileux C. **Phlebologie** 1986 Oct–Dec;39(4):1005–9 **(Fre)**

[Efficacy of O-(beta-hydroxyethyl)-rutosides in the treatment of venous leg ulcers] Stegmann W, et al. **Phlebologie** 1987 Jan–Mar;40(1):149–56 (Eng. Abstr.) **(Fre)**

[Treatment of peripheral arterial disease with prostacyclin. I. Effect of prostacyclin on the healing of ischemic ulcers of the lower extremities] Nižankowski R. **Kardiol Pol** 1986; 29(3):209–17 (Eng. Abstr.) **(Pol)**

[Treatment of ischemic ulcers of the extremities with intravenous intermittent infusions of prostacycline] Nižankowski R, et al. **Pol Tyg Lek** 1986 Dec 15; 41(50):1582–4 **(Pol)**

ETIOLOGY

Leg ulcers: epidemiology and aetiology. Cornwall JV, et al. **Br J Surg** 1986 Sep;73(9):693–6

Arterial disease in chronic leg ulceration: an underestimated hazard? Lothian and Forth Valley leg ulcer study. Callam MJ, et al. **Br Med J [Clin Res]** 1987 Apr 11; 294(6577):929–31

Rest pain and leg ulceration due to syphilitic osteomyelitis of the tibia. Walzman M, et al. **Br Med J [Clin Res]** 1986 Sep 27;293(6550):804–5

Cutaneous mucormycosis: a rare cause of leg ulceration. Rothburn MM, et al. **J Infect** 1986 Sep;13(2):175–8

Hyperbaric oxygen for a thalassaemic leg ulcer. Richmond MN, et al. **J R Army Med Corps** 1987 Feb;133(1):23–5

Leg ulcers [letter] Morris WT. **NZ Med J** 1987 Feb 11; 100(817):82

[Leg ulcer and circulating anticoagulants] Cuny JF, et al. **Ann Dermatol Venereol** 1986;113(9):825–6 **(Fre)**

[Leg ulcer in disseminated lupus erythematosus. Apropos of a case] Grob JJ, et al. **Ann Dermatol Venereol** 1986; 113(9):819–23 **(Fre)**

[Leg ulcer of the pyoderma gangrenosum type. Manifestation of tertiary cutaneous syphilis] Vaillant L, et al. **Ann Dermatol Venereol** 1987;114(5):699–702 **(Fre)**

[Vascular ulcers of the lower extremities of aged patients] Pin F. **Phlebologie** 1986 Oct–Dec;39(4):845–9 (Eng. Abstr.) **(Fre)**

[Treatment of arterial insufficiency in the lower extremities by intra-arterial injection] van der Molen HR. **Phlebologie** 1987 Jan–Mar;40(1):157–69 **(Fre)**

[Ulcero-vegetative candidiasis of the leg] Cucé LC, et al. **Rev Inst Med Trop Sao Paulo** 1986 Sep–Oct;28(5):364–7 (Eng. Abstr.) **(Por)**

[Klinefelter's syndrome and malleolar ulcers] Galotto López MA. **Angiologia** 1986 Nov–Dec;38(6):291–5 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Prolidase deficiency in two siblings with chronic leg ulcerations. Clinical, biochemical, and morphologic aspects. Leoni A, et al. **Arch Dermatol** 1987 Apr; 123(4):493–9

IMMUNOLOGY

Sickle cell leg ulcers are associated with HLA-B35 and Cw4. Ofosu MD, et al. **Arch Dermatol** 1987 Apr;123(4):482–4

[Chemical and bacterial hypersensitivity in patients with varicose leg ulcers] Mészáros A, et al. **Orv Hetil** 1986 Dec 21;127(51):3111–3 (Eng. Abstr.) **(Hun)**

MICROBIOLOGY

Corynebacterium pyogenes. Its pathogenic mechanism in epidemic leg ulcers in Thailand. Kotrajaras R, et al. **Int J Dermatol** 1987 Jan–Feb;26(1):45–50

Bacteriology of sickle cell leg ulcers. MacFarlane DE, et al. **Trans R Soc Trop Med Hyg** 1986;80(4):553–6

[Tetanus vaccination in chronic leg ulcer] Jørgensen J, et al. **Ugeskr Laeger** 1986 Oct 20;148(43):2754–5 (Eng. Abstr.) **(Dan)**

OCCURRENCE

Chronic ulcer of the leg: clinical history. Callam MJ, et al. **Br Med J [Clin Res]** 1987 May 30;294(6584):1389–91

[The incidence of leg ulcers as a function of age] Kluken N. **Phlebologie** 1986 Oct–Dec;39(4):851–4 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Stereophotogrammetry for measuring rates of cutaneous healing: a comparison with conventional techniques. Bulstrode CJ, et al. **Clin Sci** 1986 Oct;71(4):437–43

Measurement and prediction of progress in delayed wound healing. Bulstrode CJ, et al. **J R Soc Med** 1987 Apr; 80(4):210–2

SURGERY

Delayed excision of a defect after free omental transfer with uncertain viability; a case report. Baudet J, et al. **Br J Plast Surg** 1987 May;40(3):306–9

Surgical aid for intractable rheumatoid ulcers. Lo SS, et al. **Br J Rheumatol** 1987 Jun;26(3):235–7

Pinch skin grafting or porcine dermis in venous ulcers: a randomised clinical trial. Poskitt KR, et al. **Br Med J [Clin Res]** 1987 Mar 14;294(6573):674–6

Surgical management of leg ulcers. Picascia DD, et al. **Dermatol Clin** 1987 Apr;5(2):303–12

Infections of the lower extremities due to gas-forming and non-gas-forming organisms [published erratum appears in South Med J 1987 Mar;80(3):319] Vo NM, et al. **South Med J** 1986 Dec;79(12):1493–5

[External fasciocutaneous flap of the leg with a distal pedicle] Gréco JM, et al. **Ann Chir Plast Esthet** 1986;31(2):109–17 (Eng. Abstr.) **(Fre)**

[Introduction of a disposable dermatome] Sanchez F, et al. **Phlebologie** 1986 Oct–Dec;39(4):963–7 (Eng. Abstr.) **(Fre)**

[Surgical treatment of leg ulcers caused by atheromatous angiodermatitis (letter)] Moulin G, et al. **Presse Med** 1987 May 16;16(18):919 **(Fre)**

[Venous dysfunction, chronic cutaneous changes and leg ulcers. Surgical prevention and treatment] Iversen T, et al. **Tidsskr Nor Laegeforen** 1987 Jan 20;107(2):138–41 (Eng. Abstr.) **(Nor)**

[Dermatoplastic operations in the treatment of remote sequelae of injuries] Kuleshova ZD, et al. **Voen Med Zh** 1987 Feb;(2):28–9 **(Rus)**

THERAPY

Endothelial cell toxicity in leg ulcers treated with topical hyperbaric oxygen. Heng MC, et al. **Am J Dermatopathol** 1986 Oct;8(5):403–10

Diabetic ulcers: the effect of thermal biofeedback-mediated relaxation training on healing. Shulimson AD, et al. **Biofeedback Self Regul** 1986 Dec;11(4):311–9

Dressings for leg ulcers. **Drug Ther Bull** 1986 Feb 10; 24(3):9–12

A controlled trial of weekly ultrasound therapy in chronic leg ulceration. Callam MJ, et al. **Lancet** 1987 Jul 25; 2(8552):204–6

Leg ulcer and Efamol [letter] Morris WT. **NZ Med J** 1986 Oct 22;99(812):819

[Care and treatment of trophic disorders of the lower extremities of aged and hospitalized patients] Marzin L, et al. **Phlebologie** 1986 Oct–Dec;39(4):839–43 **(Fre)**

[Local treatment of ulcers on white atrophy] Parpex P. **Phlebologie** 1986 Jul–Sep;39(3):603–4 **(Fre)**

[Ambulatory treatment of vascular ulcers in the aged patient] Wallois P. **Phlebologie** 1986 Oct–Dec;39(4):835–8 **(Fre)**

[Transluminal catheter treatment in arteriovenous leg ulcers] Brock FE, et al. **Hautarzt** 1987 Mar;38(3):142–5 (Eng. Abstr.) **(Ger)**

[Choice of a method of treating trophic ulcers of the legs in patients with chronic venous insufficiency of the lower extremities] Vasiutkov VIa. **Khirurgiia (Mosk)** 1986 Oct; (10):103–8 (Eng. Abstr.) **(Rus)**

[Conservative treatment of trophic ulcers of the leg] Koliadenko VG, et al. **Vestn Dermatol Venerol** 1987; (2):74–5 (Eng. Abstr.) **(Rus)**

[Experience using drainage with sephadex in the treatment of chronic pyococcal ulcers] Lonshakov IuI, et al. **Vestn Dermatol Venerol** 1987;(3):39–41 (Eng. Abstr.) **(Rus)**

LEGAL GUARDIANS

Legal regulation of adolescent abortion. Unintended effects. Melton GB. **Am Psychol** 1987 Jan;42(1):79–83

Guardians ad litem [editorial] Dyer C. **Arch Dis Child** 1986 Sep;61(9):830–1

The dialectics of open versus closed adoption of infants. Curtis PA. **Child Welfare** 1986 Sep–Oct;65(5):437–45

Children in divorce, custody and access situations: an update. Fine S. **J Child Psychol Psychiatry** 1987 May;28(3):361–4

Child custody mediation and litigation: an experimental evaluation of the experience of parents. Emery RE, et al. **J Consult Clin Psychol** 1987 Apr;55(2):179–86

Preserving personal autonomy for the elderly. Competency, guardianship, and Alzheimer's disease. Rosoff AJ, et al. **J Leg Med (Chicago)** 1987 Mar;8(1):1–47

Substitute consent. Reconciling negative treatment and consent to routine medical treatment. Sappington GM. **J Leg Med (Chicago)** 1986 Sep;7(3):341–55

Treating minors without their parents. Selbst SM. **Pediatr Emerg Care** 1985 Sep;1(3):168–73

Legal issues related to adolescent pregnancy: current concepts. Rhodes AM. **Semin Adolesc Med** 1986 Sep; 2(3):181–9

[Life-saving operations: can a minor refuse? Various forensic

aspects—competence of the legal guardian] Zilkens M. **Fortschr Med** 1986 Dec 18;104(47–48):48 **(Ger)**

[Forensic considerations concerning legal principles for disability, guardianship and nursing care] Schulte B. **Off Gesundheitswes** 1987 Jul;49(7):338–44 (Eng. Abstr.) **(Ger)**

[Child welfare in custody decisions—criteria from a developmental psychology viewpoint] Suess G, et al. **Prax Kinderpsychol Kinderpsychiatr** 1987 Jan;36(1):22–7 (Eng. Abstr.) **(Ger)**

[Interdiction and guardianship—a comparative analysis from the neurologist's viewpoint] Kreiner R, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Sep; 38(9):538–46 (Eng. Abstr.) **(Ger)**

LEGAL MEDICINE see **FORENSIC MEDICINE**

LEGG–PERTHES DISEASE see under **FEMUR HEAD NECROSIS**

LEGHEMOGLOBIN see under **HEMEPROTEINS**

LEGIONELLA

Comparative assessment of chlorine, heat, ozone, and UV light for killing Legionella pneumophila within a model plumbing system. Muraca P, et al. **Appl Environ Microbiol** 1987 Feb;53(2):447–53

Legionella, man and environment. Third international symposium, 4–8 May 1986, Jerusalem, Israel. Part Two. Proceedings and abstracts. **Isr J Med Sci** 1986 Oct; 22(10):697–759

Legionella, man and environment. Third international symposium, 4–8 May, 1986, Jerusalem, Israel. Part One. Proceedings. **Isr J Med Sci** 1986 Sep;22(9):619–95

ANALYSIS

Numerical analysis of normalized whole-cell protein profiles after sodium dodecyl sulphate–polyacrylamide gel electrophoresis. Plikaytis BD, et al. **J Gen Microbiol** 1986 Sep;132 (Pt 9):2653–60

CLASSIFICATION

Classification of Legionellaceae. Current status and remaining questions. Brenner DJ. **Isr J Med Sci** 1986 Sep;22(9):620–32

Serological studies of legionellosis in New Zealand. Chereshsky AY, et al. **Isr J Med Sci** 1986 Oct;22(10):737–9

Discrimination between clinical and environmental strains of Legionella pneumophila by a monoclonal antibody. Ehret W, et al. **Isr J Med Sci** 1986 Oct;22(10):715–23

Epidemiological studies using monoclonal antibodies to Legionella pneumophila serogroup 1. Tobin JO, et al. **Isr J Med Sci** 1986 Oct;22(10):711–4

Legionella pneumophila serogroup 12 isolated from human and environmental soarces. Thacker WL, et al. **J Clin Microbiol** 1987 Mar;25(3):569–70

Subgroups of Legionella pneumophila serogroup 1 [letter] Tobin JO, et al. **Lancet** 1987 May 9;1(8541):1088–9

CYTOLOGY

Effects of Legionella pneumophila sonicate on human neutrophil granulocyte and monocyte chemotaxis. Rechnitzer C, et al. **Eur J Clin Invest** 1986 Oct;16(5):368–75

Effect of culture medium on morphology and virulence of Legionella pneumophila serogroup 1. Nowicki M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Apr; 264(1–2):167–77

DRUG EFFECTS

In vivo susceptibility of the Legionnaires disease bacterium to ten antimicrobial agents. Lewis VJ, et al. **Antimicrob Agents Chemother** 1978 Mar;13(3):419–22

Inhibition of Legionella pneumophila multiplication within human macrophages by antimicrobial agents. Vildé JL, et al. **Antimicrob Agents Chemother** 1986 Nov;30(5):743–8

Antimicrobial activity of imipenem and SCH34343 against Legionella species. Jones RN, et al. **Diagn Microbiol Infect Dis** 1987 Apr;6(4):307–9

Biocidal control of legionellae. Elsmore R. **Isr J Med Sci** 1986 Sep;22(9):647–54

The antimicrobial activity of A-56268 (TE-031) and roxithromycin (RU965) against Legionella using broth microdilution method [letter] Jones RN, et al. **J Antimicrob Chemother** 1987 Jun;19(6):841–2

The antimicrobial activity of ciprofloxacin against Legionella species and the treatment of experimental Legionella pneumonia in guinea pigs. Saito A, et al. **J Antimicrob Chemother** 1986 Aug;18(2):251–60

The effect of antibiotics on the cell morphology of Legionella pneumophila. Chan EL, et al. **J Med Microbiol** 1987 Mar; 23(2):149–54

[Antibacterial activity in vitro of 10 quinolones against 20 strains of Legionella pneumophila] Deforges L, et al. **Pathol Biol (Paris)** 1986 Jun;34(5 Pt 2):631–3 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Separation of Legionella pneumophila proteases and purification of a protease which produces lesions like those of Legionnaires' disease in guinea pig lung. Conlan JW, et al. **J Gen Microbiol** 1986 Jun;132 (Pt 6):1565–74

GENETICS

A Legionella-specific DNA probe detects organisms in lung tissue homogenates from intranasally inoculated mice. Engleberg NC, et al. **Isr J Med Sci** 1986 Oct;22(10):703–5

The nucleotide sequence of the 5S rRNA from Legionella pneumophila. MacDonell MT, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1335

Transposition of bacteriophage Mu in the Legionnaires disease bacterium. Mintz CS, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4645–9

[Phylogeny of bacteria of the genus Legionella studied by determining the nucleotide sequence of 5S ribosomal RNA] Chumakov KM, et al. **Mol Gen Mikrobiol Virusol** 1986 Aug;(8):38–40 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Survival and multiplication of Legionella pneumophila in municipal drinking water systems. States SJ, et al. **Appl Environ Microbiol** 1987 May;53(5):979–86

Direct activation of human monocyte-derived macrophages by a bacterial glycoprotein extract inhibits the intracellular multiplication of virulent Legionella pneumophila serogroup 1. Rajagopalan P, et al. **Infect Immun** 1987 Sep; 55(9):2234–9

Differential growth of Legionella pneumophila in guinea pig versus mouse macrophage cultures. Yamamoto Y, et al. **Infect Immun** 1987 Jun;55(6):1369–74

The effect of water activity on Legionella spp. growth and survival. Danielson RE, et al. **J Appl Bacteriol** 1986 Aug; 61(2):157–61

Interferon-gamma-activated human monocytes inhibit the intracellular multiplication of Legionella pneumophila. Bhardwaj N, et al. **J Immunol** 1986 Oct 15;137(8):2662–9

In vitro activation of the antibacterial activity of human pulmonary macrophages by recombinant gamma interferon. Jensen WA, et al. **J Infect Dis** 1987 Mar; 155(3):574–7

Bacterial colonization and occurrence of Legionella pneumophila in warm and cold water, in faucet aerators, and in drains of hospitals. Botzenhart K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Dec; 183(1):79–85

[Natural inhibitors of the growth of Legionellae] Grossowicz N. **Harefuah** 1987 Feb 15;112(4):161–4 (Eng. Abstr.) **(Heb)**

IMMUNOLOGY

Partial characterization of a Legionella pneumophila serogroup 1 immunodominant antigenic determinant recognized by a monoclonal antibody. Legionella specific antigenic determinant. Petitjean F, et al. **Comp Immunol Microbiol Infect Dis** 1987;10(1):9–23

Development and evaluation of diagnostic radiometric assays for serogroup 4 L. pneumophila urinary antigens. Kohler RB, et al. **Diagn Microbiol Infect Dis** 1987 Feb;6(2):101–7

Induction of tumor necrosis factor by Legionella pneumophila. Blanchard DK, et al. **Infect Immun** 1987 Feb; 55(2):433–7

Predisposition of the asthmatic child to legionellosis? Boldur I, et al. **Isr J Med Sci** 1986 Oct;22(10):733–6

Prevalence of anti-Legionella antibodies in a healthy population and in patients with tuberculosis or pneumonia. Bornstein N, et al. **Isr J Med Sci** 1986 Oct;22(10):740–4

Rapid detection of Legionella antigen in tissues and body fluids. Fehrenbach FJ, et al. **Isr J Med Sci** 1986 Oct; 22(10):706–10

Serological cross-reactions between Rickettsia typhi, Proteus vulgaris OX19, and Legionella bozemanii in a series of febrile patients. Sompolinsky D, et al. **Isr J Med Sci** 1986 Oct;22(10):745–52

Cross-reactions in Legionella antisera with Bordetella pertussis strains. Benson RF, et al. **J Clin Microbiol** 1987 Apr;25(4):594–6

Broad-spectrum enzyme-linked immunosorbent assay for detection of Legionella soluble antigens. Tang PW, et al. **J Clin Microbiol** 1986 Oct;24(4):556–8

Heterogeneity of antibody response in infection with Legionella pneumophila serogroup 1. Fallon RJ, et al. **J Clin Pathol** 1987 May;40(5):569–72

Guinea pigs sublethally infected with aerosolized Legionella pneumophila develop humoral and cell-mediated immune responses and are protected against lethal aerosol challenge. A model for studying host defense against lung infections caused by intracellular pathogens. Breiman RF, et al. **J Exp Med** 1987 Mar 1;165(3):799–811

Cytolytic activity of human peripheral blood leukocytes against Legionella pneumophila-infected monocytes: characterization of the effector cell and augmentation by interleukin 2. Blanchard DK, et al. **J Immunol** 1987 Jul 15;139(2):551–6

Prevalence of anti-Legionella antibodies in a healthy population and in patients with tuberculosis or pneumonia. Bornstein N, et al. **Pathol Biol (Paris)** 1987 Apr;35(4):353–6

False positivity of Legionella serology in patients with cystic fibrosis. Wang EE, et al. **Pediatr Infect Dis J** 1987 Mar; 6(3):256–9

Immunogenicity and adjuvanticity of lipopolysaccharide from Legionella pneumophila. Friedman H, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):191–6

Demonstration of Legionella antigen in the urine: significance for differential diagnosis. Horbach I, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Apr; 264(1–2):102–4

[Application of the microagglutination test of legionellosis in an epidemiological study] Zhao JW. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Aug; 7(4):209–11 (Eng. Abstr.) **(Chi)**

[Enzyme-linked immunosorbent assay (ELISA) for detection of antibodies to Legionella pneumophila] Koga H, et al. **Kansenshogaku Zasshi** 1986 May;60(5):443–52 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

A community hospital outbreak of legionellosis. Transmission by potable hot water. Hanrahan JP, et al. **Am J Epidemiol** 1987 Apr;125(4):639–49

Legionella pneumophila lung abscess in a patient with systemic lupus erythematosus. Senécal JL, et al. **Am J Med Sci** 1987 May;293(5):309–14

Legionnaires' disease caused by Legionella dumoffii in distilled water. Joly JR, et al. **Can Med Assoc J** 1986 Dec 1;135(11):1274–7

A strain of Legionella pneumophila isolated from a pneumonic patient. Li ZD, et al. **Chin Med J [Engl]** 1986 Jul;99(7):581–2

Widespread Legionella pneumophila contamination of dental stations in a dental school without apparent human infection. Oppenheim BA, et al. **Epidemiol Infect** 1987 Aug; 99(1):159–66

Legionella pneumophila in a hospital water system following a nosocomial outbreak: prevalence, monoclonal antibody subgrouping and effect of control measures. Ribeiro CD, et al. **Epidemiol Infect** 1987 Jun;98(3):253–62

Laboratory diagnosis of infections caused by legionellae [published erratum appears in Eur J Clin Microbiol 1987 Apr;6(2):216] Edelstein PH. **Eur J Clin Microbiol** 1987 Feb; 6(1):4–10 (69 ref.)

Legionella pneumophila in a physiotherapy pool [letter] Marrie TJ, et al. **Eur J Clin Microbiol** 1987 Apr;6(2):212–3

Plasmid profiles of Legionella pneumophila strains isolated in Spain. Mellado A, et al. **Eur J Epidemiol** 1986 Mar; 2(1):63–6

Seasonal distribution of legionellae isolated from various types of water in Israel. Bercovier H, et al. **Isr J Med Sci** 1986 Sep;22(9):644–6

Exposure to Legionella in geriatric institutions. Boldur I, et al. **Isr J Med Sci** 1986 Oct;22(10):728–32

Epidemiological evidence of legionellosis transmission through domestic hot water supply systems and possibilities of control. Bornstein N, et al. **Isr J Med Sci** 1986 Sep; 22(9):655–61

Presence of Legionella in London's water supplies. Colbourne JS, et al. **Isr J Med Sci** 1986 Sep;22(9):633–9

Rapid methods for identification of Legionella—a review. Grimont PA. **Isr J Med Sci** 1986 Oct;22(10):697–702 (41 ref.)

Association between Legionella pneumophila and amoebae in water. Henke M, et al. **Isr J Med Sci** 1986 Sep; 22(9):690–5

Current views on the relationships between amoebae, legionellae and man. Rowbotham TJ. **Isr J Med Sci** 1986 Sep;22(9):678–89

Seasonality of Legionella isolates from environmental sources. Tobiansky L, et al. **Isr J Med Sci** 1986 Sep; 22(9):640–3

Retrospective study of Gen-Probe rapid diagnostic system for detection of legionellae in frozen clinical respiratory tract samples. Edelstein PH, et al. **J Clin Microbiol** 1987 Jun;25(6):1022–6

Acid-fast bacilli in sputum: a case of Legionella micdadei pneumonia. Hilton E, et al. **J Clin Microbiol** 1986 Dec; 24(6):1102–3

Comparison of blood culture methods for recovery of Legionella pneumophila from the blood of guinea pigs with experimental infection. Reinhardt JF, et al. **J Clin Microbiol** 1987 Apr;25(4):719–21

Immunohistological detection of Legionella pneumophila in lung sections. Theaker JM, et al. **J Clin Pathol** 1987 Feb; 40(2):143–6

Outbreak of Legionnaires' disease in Glasgow Royal Infirmary: microbiological aspects. Timbury MC, et al. **J Hyg (Lond)** 1986 Dec;97(3):393–403

Isolation of Legionella pneumophila from calves and the prevalence of antibodies in cattle, sheep, horses, antelopes, buffaloes and rabbits. Boldur I, et al. **Vet Microbiol** 1987 Apr;13(4):313–20

[Risk of legionellosis related to the environment in countries with a temperate climate] Denis-Bottin C. **Arch Belg** 1986; 44(7–8):297–304 (Eng. Abstr.) **(Fre)**

[Demonstration of Legionella pneumophila in dental units] Reinthaler F, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Dec; 183(1):86–8 (Eng. Abstr.) **(Ger)**

[Isolation of Legionella bozemanii from the lung tissue] Fukumoto A, et al. **Rinsho Byori** 1986 May;34(5):605–6 **(Jpn)**

[Isolation of Legionella pneumophila from the UOEH cooling tower] Nikaido Y, et al. **Sangyo Ika Daigaku Zasshi** 1986 Dec 1;8(4):423–8 (Eng. Abstr.) **(Jpn)**

[Significance of Legionella pneumophila in human

respiratory pathology] Prozorovskiĭ SV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Apr;(4):34–7 (Eng. Abstr.) **(Rus)**

[Isolation of Legionella pneumophila in bone marrow (letter)] Ferrer A, et al. **Med Clin (Barc)** 1987 Feb 28;88(8):346–7 **(Spa)**

METABOLISM

Determination of binding parameters of macrolides, lincosamides, and streptogramins to Legionella pneumophila. Fournet MP, et al. **J Pharm Sci** 1987 Feb; 76(2):153–6

PHYSIOLOGY

The effect of drying, heat, and pH on the survival of Legionella pneumophila. Katz SM, et al. **Ann Clin Lab Sci** 1987 May–Jun;17(3):150–6

Legionella, microbial ecology, and inconspicuous consumption. Spriggs DR. **J Infect Dis** 1987 May; 155(5):1086–7

LEGIONELLOSIS

Legionella, man and environment. Third international symposium, 4–8 May, 1986, Jerusalem, Israel. Part One. Proceedings. **Isr J Med Sci** 1986 Sep;22(9):619–95

Legionella, man and environment. Third international symposium, 4–8 May 1986, Jerusalem, Israel. Part Two. Proceedings and abstracts. **Isr J Med Sci** 1986 Oct; 22(10):697–759

[Purulent pleurisy due to Legionella bozemanii] Taviot B, et al. **Rev Mal Respir** 1987;4(1):47–8 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

[Legionella bozemanii in a female patient with fatal pneumonia, chronic hepatitis and collagenosis] Strnad V, et al. **Cas Lek Cesk** 1987 Feb 20;126(8):248–52 (Eng. Abstr.) **(Cze)**

DIAGNOSIS

Laboratory diagnosis of infections caused by legionellae [published erratum appears in Eur J Clin Microbiol 1987 Apr;6(2):216] Edelstein PH. **Eur J Clin Microbiol** 1987 Feb; 6(1):4–10 (69 ref.)

Rapid methods for identification of Legionella—a review. Grimont PA. **Isr J Med Sci** 1986 Oct;22(10):697–702 (41 ref.)

Broad-spectrum enzyme-linked immunosorbent assay for detection of Legionella soluble antigens. Tang PW, et al. **J Clin Microbiol** 1986 Oct;24(4):556–8

Legionella micdadei pneumonia in normal hosts [letter] Gobbo PN, et al. **Lancet** 1986 Oct 25;2(8513):969

[Experience with clinical differential diagnosis of legionellosis] Staňková M, et al. **Cas Lek Cesk** 1987 Apr 3;126(14):431–4 (Eng. Abstr.) **(Cze)**

[Modification of the passive hemagglutination reaction for the diagnosis of legionellosis] Barkhatova OI, et al. **Lab Delo** 1986;(9):565–8 (Eng. Abstr.) **(Rus)**

[Can indirect immunofluorescence produce results in the diagnosis of legionellosis? (letter)] Aguado García JM, et al. **Rev Clin Esp** 1987 May;180(9):515–6 **(Spa)**

DRUG THERAPY

Legionella bozemanii pneumonia and tetracycline [letter] Ruiz-Santana S, et al. **Ann Intern Med** 1986 Dec; 105(6):969–70

ETIOLOGY

[Nosocomial pneumonia caused by Legionella micdadei (letter)] Pascual JM, et al. **Med Clin (Barc)** 1987 Jun 6; 89(2):86 **(Spa)**

MICROBIOLOGY

Acid-fast bacilli in sputum: a case of Legionella micdadei pneumonia. Hilton E, et al. **J Clin Microbiol** 1986 Dec; 24(6):1102–3

Significance of non-pneumophila Legionella species in adult community-acquired and nosocomial pneumonias. Lode H, et al. **Klin Wochenschr** 1987 May 15;65(10):463–8

Pneumonia and acute pancreatitis most probably caused by a Legionella longbeachae infection. Eitrem R, et al. **Scand J Infect Dis** 1987;19(3):381–2

Legionella feeleii pneumonia. Misra DP, et al. **South Med J** 1987 Aug;80(8):1063–4

OCCURRENCE

A community hospital outbreak of legionellosis. Transmission by potable hot water. Hanrahan JP, et al. **Am J Epidemiol** 1987 Apr;125(4):639–49

Serological studies of legionellosis in New Zealand. Chereshsky AY, et al. **Isr J Med Sci** 1986 Oct;22(10):737–9

Unusual epidemiologic and clinical manifestations of legionellosis: a review. Shapiro M. **Isr J Med Sci** 1986 Oct; 22(10):724–7

VETERINARY

Legionellosis in animals in Israel. Cohen A, et al. **Isr J Med Sci** 1986 Sep;22(9):674–7

Legionella infections in animals. Collins MT. **Isr J Med Sci** 1986 Sep;22(9):662–73

LEGIONNAIRES' DISEASE

Legionnaires' disease: a historical overview with current epidemiological and clinical perspectives. Corral DF. **J Okla State Med Assoc** 1987 Mar;80(3):156–62

[Recent medical topics on Legionnaires' disease] Hara K. **Nippon Naika Gakkai Zasshi** 1986 Oct;75(10):1365–9 (12 ref.) **(Jpn)**

COMPLICATIONS

Henoch-Schönlein purpura associated with Legionnaires' disease. Bull PW, et al. **Br Med J** 1987 Jan 24;294(6566):220

Pulmonary fibrosis following pneumonia due to acute Legionnaires' disease. Clinical, ultrastructural, and immunofluorescent study. Chastre J, et al. **Chest** 1987 Jan; 91(1):57–62

Intractable seizures in Legionnaires disease. Peliowski A, et al. **J Pediatr** 1986 Oct;109(4):657–8

Legionnaires' disease and brain abscess. Andersen BB, et al. **Neurology** 1987 Feb;37(2):333–4

Interstitial nephritis in a patient with Legionnaires' disease. Haines JD Jr, et al. **Postgrad Med** 1987 Feb 15;81(3):77–9

Concurrent community-acquired pneumonia with Legionella pneumophila and Streptococcus pneumoniae. Brown RB, et al. **South Med J** 1987 Mar;80(3):401–2

[Legionellosis in hematology] Elias E, et al. **Acta Clin Belg** 1986;41(3):173–80 (Eng. Abstr.) **(Fre)**

[Severe jaundice in Legionnaires' disease: a case with early hepatic biopsy] Verneau A, et al. **Gastroenterol Clin Biol** 1987 Mar;11(3):254–7 (Eng. Abstr.) **(Fre)**

[Acute necrotic-hemorrhagic pancreatitis in Legionnaires' disease (letter)] Bollaert PE, et al. **Presse Med** 1986 Oct 11;15(34):1732 **(Fre)**

[Involvement of the brain stem at the onset of Legionnaires' disease (letter)] Lucht F, et al. **Presse Med** 1987 May 16; 16(18):912–3 **(Fre)**

[Cytomegalovirus-associated superinfection of the lung following kidney transplantation] Bittner K, et al. **Dtsch Med Wochenschr** 1987 Feb 6;112(6):214–8 (Eng. Abstr.) **(Ger)**

[Acute kidney failure requiring dialysis in Legionella pneumonia] Ruf B, et al. **Internist (Berlin)** 1987 Jun; 28(6):410–3 **(Ger)**

[Renal involvement in Legionnaires' disease] Heule H, et al. **Schweiz Med Wochenschr** 1986 Dec 6;116(49):1736–9 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Routine culturing for Legionella in the hospital environment may be a good idea: a three-hospital prospective study. Yu VL, et al. **Am J Med Sci** 1987 Aug;294(2):97–9

Legionnaires' disease—report of Singapore's first local case. Lim HS, et al. **Ann Acad Med Singapore** 1986 Oct; 15(4):610–6

Legionnaires' disease: an emerging surgical problem. Korvick JA, et al. **Ann Thorac Surg** 1987 Mar;43(3):341–7 (49 ref.)

A study of Legionnaire's disease in Zambia. Rolfe M. **Ann Trop Med Parasitol** 1986 Jun;80(3):325–8

Infection of legionella pneumophila. Report of 5 cases. Liu SQ, et al. **Chin Med J [Engl]** 1986 May;99(5):401–6

Development and evaluation of diagnostic radiometric assays for serogroup 4 L. pneumophila urinary antigens. Kohler RB, et al. **Diagn Microbiol Infect Dis** 1987 Feb;6(2):101–7

Laboratory diagnosis of infections caused by legionellae [published erratum appears in Eur J Clin Microbiol 1987 Apr;6(2):216] Edelstein PH. **Eur J Clin Microbiol** 1987 Feb; 6(1):4–10 (69 ref.)

Laboratory diagnosis of infections caused by legionellae [letter] Edelstein PH. **Eur J Clin Microbiol** 1987 Apr; 6(2):216

Strategy in immunocompromised patients with pulmonary infiltrates [editorial] Cartier F. **Intensive Care Med** 1987; 13(2):87–8

A Legionella-specific DNA probe detects organisms in lung tissue homogenates from intranasally inoculated mice. Engleberg NC, et al. **Isr J Med Sci** 1986 Oct;22(10):703–5

Rapid detection of Legionella antigen in tissues and body fluids. Fehrenbach FJ, et al. **Isr J Med Sci** 1986 Oct; 22(10):706–10

Rapid methods for identification of Legionella—a review. Grimont PA. **Isr J Med Sci** 1986 Oct;22(10):697–702 (41 ref.)

Broad-spectrum enzyme-linked immunosorbent assay for detection of Legionella soluble antigens. Tang PW, et al. **J Clin Microbiol** 1986 Oct;24(4):556–8

Evaluation of sensitivity of two serological tests for diagnosing pneumonia caused by Legionella pneumophila serogroup 1. Harrison TG, et al. **J Clin Pathol** 1987 Jan; 40(1):77–82

Immunohistological detection of Legionella pneumophila in lung sections. Theaker JM, et al. **J Clin Pathol** 1987 Feb; 40(2):143–6

ELISA using whole Legionella pneumophila cell as antigen. Comparison between monovalent and polyvalent antigens for the serodiagnosis of human legionellosis. Barka N, et al. **J Immunol Methods** 1986 Oct 23;93(1):77–81

A case of pneumonia caused by Legionella pneumophila serogroup 8 in West Germany. Etiological diagnosis by immunofluorescence, enzyme immunoassay, and immunoblot. Senn HJ, et al. **Klin Wochenschr** 1987 Feb 2;65(3):138–43

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 37–1987. A 50-year-old man with bilateral pneumonia and respiratory failure. **N Engl J Med** 1987 Sep 10;317(11):694–702

Bacteriological and serological diagnosis of community-acquired acute pneumonia, specially Legionnaire's disease. Multicentric prospective study of 274 hospitalized patients. Bornstein N, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Apr; 264(1–2):93–101

Demonstration of Legionella antigen in the urine: significance for differential diagnosis. Horbach I, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Apr; 264(1–2):102–4

[Legionellosis] Boshkoff L. **Kinderarztl Prax** 1986 Jul; 54(7):369–73 (32 ref.) (Eng. Abstr.) **(Ger)**

[Diagnosis of legionella pneumonia] Baier J, et al. **Z Arztl Fortbild (Jena)** 1987;81(4):163–4 **(Ger)**

[Legionellosis in a sample of pneumonia patients at a lung clinic] Schmidt C, et al. **Z Erkr Atmungsorgane** 1987; 168(2):157–67 (Eng. Abstr.) **(Ger)**

[Legionnaire's disease in Italy: case list contribution] Scarlini G, et al. **Boll Ist Sieroter Milan** 1986;65(4):298–303 (Eng. Abstr.) **(Ita)**

[Comparative study of nosocomial Legionella pneumophila pneumonia and other microorganisms] Redón J, et al. **Med Clin (Barc)** 1987 Mar 7;88(9):349–52 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

The antimicrobial activity of ciprofloxacin against Legionella species and the treatment of experimental Legionella pneumonia in guinea pigs. Saito A, et al. **J Antimicrob Chemother** 1986 Aug;18(2):251–60

[Treatment with erythromycin of experimental legionellosis in guinea pigs infected by aerosol] Nowicki M, et al. **Pathol Biol (Paris)** 1986 Jun;34(5 Pt 2):634–8 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Legionnaires' disease caused by Legionella dumoffii in distilled water. Joly JR, et al. **Can Med Assoc J** 1986 Dec 1;135(11):1274–7

Legionella in water: what should be done? [editorial] Redd SC, et al. **JAMA** 1987 Mar 6;257(9):1221–2

Legionnaires' disease acquired within the homes of two patients. Link to the home water supply [published erratum appears in JAMA 1987 May 15;257(19):2595] Stout JE, et al. **JAMA** 1987 Mar 6;257(9):1215–7

Epidemic of Legionnaires' disease in Wollongong. Christopher PJ, et al. **Med J Aust** 1987 Aug 3;147(3):127–8

Fatal Legionella pneumonitis in a neutropenic leukemic child. Gutzeit MF, et al. **Pediatr Infect Dis J** 1987 Jan;6(1):68–9

Nosocomial Legionnaires' disease following renal transplantation. Wilczek H, et al. **Transplantation** 1987 Jun; 43(6):847–51

[Legionnaires' disease in hairy cell leukemia. 2 new cases] Voiriot P, et al. **Ann Med Interne (Paris)** 1987;138(4):287–8 (Eng. Abstr.) **(Fre)**

[Pulmonary legionnaires' disease in a child following drowning in fresh water (letter)] Lavocat MP, et al. **Presse Med** 1987 May 2;16(16):780 **(Fre)**

IMMUNOLOGY

Defective monocyte function in Legionnaires' disease complicating hairy cell leukaemia. Nielsen H, et al. **Acta Med Scand** 1986;220(4):381–3

Predisposition of the asthmatic child to legionellosis? Boldur I, et al. **Isr J Med Sci** 1986 Oct;22(10):733–6

Heterogeneity of antibody response in infection with Legionella pneumophila serogroup 1. Fallon RJ, et al. **J Clin Pathol** 1987 May;40(5):569–72

Guinea pigs sublethally infected with aerosolized Legionella pneumophila develop humoral and cell-mediated immune responses and are protected against lethal aerosol challenge. A model for studying host defense against lung infections caused by intracellular pathogens. Breiman RF, et al. **J Exp Med** 1987 Mar 1;165(3):799–811

[Legionella pneumophila pneumopathy in pediatrics] Longo L, et al. **Minerva Pediatr** 1987 Apr 30;39(8):311–5 (Eng. Abstr.) **(Ita)**

MICROBIOLOGY

Legionella pneumophila lung abscess in a patient with systemic lupus erythematosus. Senécal JL, et al. **Am J Med Sci** 1987 May;293(5):309–14

A strain of Legionella pneumophila isolated from a pneumonic patient. Li ZD, et al. **Chin Med J [Engl]** 1986 Jul;99(7):581–2

Comparison of blood culture methods for recovery of Legionella pneumophila from the blood of guinea pigs with experimental infection. Reinhardt JF, et al. **J Clin Microbiol** 1987 Apr;25(4):719–21

Legionella pneumophila serogroup 12 isolated from human and environmental sources. Thacker WL, et al. **J Clin Microbiol** 1987 Mar;25(3):569–70

The microbiology of Legionnaires' disease. Fitzgeorge RB. **J R Soc Health** 1987 Feb;107(1):3–4

[Risk of legionellosis related to the environment in countries with a temperate climate] Denis–Bottin C. **Arch Belg** 1986; 44(7–8):297–304 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Pontiac fever outbreak associated with a cooling tower. Friedman S, et al. **Am J Public Health** 1987 May; 77(5):568–72

Outbreak of legionnaires' disease from a cooling water system in a power station. Morton S, et al. **Br J Ind Med** 1986 Sep;43(9):630–5

Report from the PHLS Communicable Disease Surveillance Centre. **Br Med J [Clin Res]** 1986 Sep 13;293(6548):680–2

Nosocomial outbreak of Legionnaires' disease: molecular epidemiology and disease control measures. Johnston JM, et al. **Infect Control** 1987 Feb;8(2):53–8

Exposure to Legionella in geriatric institutions. Boldur I, et al. **Isr J Med Sci** 1986 Oct;22(10):728–32

Serological studies of legionellosis in New Zealand. Chereshsky AY, et al. **Isr J Med Sci** 1986 Oct;22(10):737–9

Discrimination between clinical and environmental strains of Legionella pneumophila by a monoclonal antibody. Ehret W, et al. **Isr J Med Sci** 1986 Oct;22(10):715–23

Current views on the relationships between amoebae, legionellae and man. Rowbotham TJ. **Isr J Med Sci** 1986 Sep;22(9):678–89

Unusual epidemiologic and clinical manifestations of legionellosis: a review. Shapiro M. **Isr J Med Sci** 1986 Oct; 22(10):724–7

Seasonality of Legionella isolates from environmental sources. Tobiansky L, et al. **Isr J Med Sci** 1986 Sep; 22(9):640–3

Epidemiological studies using monoclonal antibodies to Legionella pneumophila serogroup 1. Tobin JO, et al. **Isr J Med Sci** 1986 Oct;22(10):711–4

Outbreak of Legionnaires' disease in Glasgow Royal Infirmary: microbiological aspects. Timbury MC, et al. **J Hyg (Lond)** 1986 Dec;97(3):393–403

The rise and fall of Legionnaires' disease in Nottingham. Woodhead MA, et al. **J Infect** 1986 Nov;13(3):293–6

Clinical epidemiological survey of Legionella pneumophila infections in Italy. Andreoni G, et al. **J Int Med Res** 1986; 14(6):325–9

Prevalence of Legionella pneumophila infection in Oklahoma. Guthrie PJ, et al. **J Okla State Med Assoc** 1986 Sep;79(9):686–90

Legionnaires' disease and children [letter] Fumarola D, et al. **Pediatr Infect Dis J** 1987 Jan;6(1):85–6

Prevalence of Legionnaires' disease in pneumonia patients admitted to a Danish department of infectious diseases. Friis–Møller A, et al. **Scand J Infect Dis** 1986;18(4):321–8

Legionnaires' disease: a review of 79 community acquired cases in Nottingham. Woodhead MA, et al. **Thorax** 1986 Aug;41(8):635–40

[The investigation of an outbreak of Legionnaires disease in a unit, Beijing] Li JR.
Chung Hua Liu Hsing Ping Hsueh Tsa Chih 1987 Feb; 8(1):1–4 (Eng. Abstr.) **(Chi)**

[Application of the microagglutination test of legionellosis in an epidemiological study] Zhao JW.
Chung Hua Liu Hsing Ping Hsueh Tsa Chih 1986 Aug; 7(4):209–11 (Eng. Abstr.) **(Chi)**

[Pneumonia caused by Legionella pneumophila. Report of the 2d Brazilian case] Porto N da S, et al.
Rev Inst Med Trop Sao Paulo 1986 Sep–Oct;28(5):368–70 (Eng. Abstr.) **(Por)**

[Legionella pneumophila infection in hotel guests: showers as a probable source of infection] Ollé Goig JE, et al.
Med Clin (Barc) 1987 Feb 21;88(7):261–3 (Eng. Abstr.) **(Spa)**

[Legionellosis and tourism] Redón J, et al.
Med Clin (Barc) 1987 Feb 21;88(7):278–80 **(Spa)**

[Nosocomial pneumonia caused by Legionella pneumophila: a prospective study] Redón J, et al. **Med Clin (Barc)** 1986 Sep 27;87(9):363–7 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Separation of Legionella pneumophila proteases and purification of a protease which produces lesions like those of Legionnaires' disease in guinea pig lung. Conlan JW, et al. **J Gen Microbiol** 1986 Jun;132 (Pt 6):1565–74

[Legionella pneumonia in an autopsy study sample. On the diagnosis and pathology of legionellosis] Schürmann D, et al. **Pathologe** 1987 May;8(3):156–62 **(Ger)**

[Pulmonary cavitation caused by Legionella pneumophila (letter)] Franco Serrano J, et al. **Med Clin (Barc)** 1986 Nov 1;87(14):606 **(Spa)**

PHYSIOPATHOLOGY

[Pulmonary legionellosis with cerebellar and pseudobulbar syndromes (letter)] Guillemain JL, et al. **Presse Med** 1987 Mar 28;16(11):538 **(Fre)**

PREVENTION & CONTROL

Balancing the risks: Legionella pneumophila pneumonia and tap water scalds in the home [editorial] Stanwick RS.
Can Med Assoc J 1986 Dec 1;135(11):1251–2

Control of Legionella in hospitals. Edelstein PH.
J Hosp Infect 1986 Sep;8(2):109–15 (18 ref.)

Legionnaires' disease outbreaks—the engineering implications. Harper D. **J R Soc Health** 1987 Feb; 107(1):5–7, 10

Legionnaires' disease: reduction in risks associated with foaming in evaporative cooling towers [letter] Colbourne JS, et al. **Lancet** 1987 Mar 21;1(8534):684

[Prevention of Legionella pneumophila pneumonia while traveling] van Ketel RJ. **Ned Tijdschr Geneeskd** 1987 May 9;131(19):809–10 **(Dut)**

THERAPY

Intensive care for Legionnaire's disease [letter]
Anaesthesia 1986 Dec;41(12):1267–8

Whole blood exchange as treatment for legionellosis [letter] Denning D, et al. **Lancet** 1987 Jan 24;1(8526):227

[Refractory respiratory tract infections. 9. Chemotherapy of recent respiratory tract infections. b. Legionnaire's disease] Shigeno Y, et al. **Nippon Rinsho** 1987 Mar;45(3):611–8 (20 ref.) **(Jpn)**

TRANSMISSION

Are health care workers at risk for infection during an outbreak of nosocomial Legionnaires' disease? Marrie TJ, et al. **Am J Infect Control** 1986 Oct;14(5):209–13

Legionnaire's disease and a whirlpool–spa [letter] Vogt RL, et al. **Ann Intern Med** 1987 Oct;107(4):596

Epidemiological evidence of legionellosis transmission through domestic hot water supply systems and possibilities of control. Bornstein N, et al. **Isr J Med Sci** 1986 Sep; 22(9):655–61

[The Legionellas—epidemiology, ecology, sources of infection and preventive measures] Exner M, et al.
Off Gesundheitswes 1987 Feb;49(2):90–6 (Eng. Abstr.) **(Ger)**

LEGISLATION

Motorcyclist fatalities and the repeal of mandatory helmet wearing laws. Chenier TC, et al. **Accid Anal Prev** 1987 Apr;19(2):133–9

Preliminary estimates of the effects of mandatory seat belt use laws. Lund AK, et al. **Accid Anal Prev** 1987 Jun; 19(3):219–23

The effect of New York's seat belt use law on teenage drivers. Preusser DF, et al. **Accid Anal Prev** 1987 Apr;19(2):73–80

The prevention of injury from motorcycle use: epidemiologic success, legislative failure. Weisbuch JB.
Accid Anal Prev 1987 Feb;19(1):21–8

Nuclear free zones. Christoffel T. **Am J Public Health** 1987 Jul;77(7):869–73

Effects of Maine's 1981 and Massachusetts' 1982 driving–under–the–influence legislation. Hingson R, et al. **Am J Public Health** 1987 May;77(5):593–7

Initial effects of the New York State auto safety belt law. Latimer EA, et al. **Am J Public Health** 1987 Feb; 77(2):183–6

The role of public opinion polling in health legislation. Perlstadt H, et al. **Am J Public Health** 1987 May; 77(5):612–4

Seat belt use laws and occupant crash protection in the United States. Williams AF, et al. **Am J Public Health** 1986 Dec;76(12):1438–42

The aims of legislation. Rolt DA. **Ann Occup Hyg** 1987; 31(1):73–80

Setting recommended limits for occupational exposure. Silk SJ. **Ann Occup Hyg** 1987;31(1):91–3

The control of substances hazardous to health regulations: an industrialist's view of legislation. Winterbottom JE.
Ann Occup Hyg 1987;31(1):81–8

The seat belt law and after. Cole MD, et al.
Br J Ophthalmol 1987 Jun;71(6):436–40

Alcohol in New Zealand [letter] Cooke KR. **Br Med J** 1987 Feb 21;294(6570):507

Association between liberalization of Scotland's liquor licensing laws and admissions for self poisoning [letter] Lawson A, et al. **Br Med J** 1987 Feb 7;294(6568):371–2

Time, gentlemen, please ... [editorial] Smith R. **Br Med J** 1987 Jan 24;294(6566):202

Association between liberalization of Scotland's liquor licensing laws and admissions for self poisoning in West Fife. Northridge DB, et al. **Br Med J [Clin Res]** 1986 Dec 6;293(6560):1466–8

The role of government regulation. Etheredge L.
Bull NY Acad Med 1987 Jan–Feb;63(1):103–9

Smoking control by–laws: a need for coherence. Jensen NB.
Can J Public Health 1987 Mar–Apr;78(2):115–8

Controlling the spread of AIDS. Hoffman RE, et al.
Colo Med 1987 Feb 15;84(4):68–9

Regulating tobacco—the South Australian Tobacco Products Control Act, 1986. Its development and passage through Parliament. Chapman S, et al. **Community Health Stud** 1987; 11(1 Suppl):9s–15s

Dust annoyance and legislation. van Dongen JE.
Dev Toxicol Environ Sci 1987;15:225–33

Implementing federal transition initiatives for youths with severe handicaps: the Utah Community–Based Transition Project. Hardman M, et al. **Except Child** 1987 Apr; 53(6):493–8

Sex education mandates: are they the answer? Muraskin LD.
Fam Plann Perspect 1986 Jul–Aug;18(4):171–4

Government, media and the animal issue. **Fed Proc** 1986 Oct; 45(11):7A–14A

Congressional perceptions of the elderly: the use of stereotypes in the legislative process. Lubomudrov S.
Gerontologist 1987 Feb;27(1):77–81

Trauma prevention from the use of seat belts. Peterson TD.
Iowa Med 1987 May;77(5):233–6

Hospital mergers, health planning, and the antitrust laws. A principled approach to implied repeal. Groner C.
J Leg Med (Chicago) 1986 Dec;7(4):471–519

Public policy and the conservatives, traditionals, and influentials. Scearse PD. **J Prof Nurs** 1987 May–Jun; 3(3):132, 190

A ban on handguns: they tried it and they liked it. Christoffel T. **J Public Health Policy** 1986 Autumn;7(3):296–9

The Minnesota Plan for Nonsmoking and Health: the legislative experience. Shultz JM, et al.
J Public Health Policy 1986 Autumn;7(3):300–13

Testing of chemicals, safety evaluation and regulation at European Community level. Berlin A, et al.
J Toxicol Sci 1987 May;12(2):195–204

Safety evaluation under the Toxic Substances Control Act. Wood WP. **J Toxicol Sci** 1987 May;12(2):179–84

Seat belt legislation and seat belt effectiveness in the Federal Republic of Germany. Marburger EA, et al. **J Trauma** 1987 Jul;27(7):703–5

Seat belt laws: the New York experience—preliminary data and some observations. Petrucelli E. **J Trauma** 1987 Jul; 27(7):706–10

Legislative efforts to protect children from tobacco. DiFranza JR, et al. **JAMA** 1987 Jun 26;257(24):3387–9

Laws ban minors' tobacco purchases, but enforcement is another matter [news] Kirn TF. **JAMA** 1987 Jun 26; 257(24):3323–4

The initial impact of AIDS on public health law in the United States—1986. Matthews GW, et al. **JAMA** 1987 Jan 16; 257(3):344–52 (125 ref.)

Medicine, radiation, and probability of causation [letter] Rall JE, et al. **JAMA** 1987 Aug 7;258(5):609–10

Smoking at work [letter] Whidden P. **Lancet** 1987 Aug 22; 2(8556):458

Health law and ethics [letter] **Med J Aust** 1987 Jun 15; 146(12):662

Regulatory aspects of carcinogenic substances in the Netherlands. Balemans AW. **Med Law** 1986 Jul–Aug; 77(4):399–401

Legislative problems in the control of carcinogens in the United Kingdom. Burgess CD. **Med Law** 1986 Jul–Aug; 77(4):402–6

Legislation concerning carcinogens at work. The situation in Italy. Foà V, et al. **Med Law** 1986 Jul–Aug;77(4):393–5

Legal provisions in Portugal regarding the control of carcinogenic substances at work. Leandro D. **Med Law** 1986 Jul–Aug;77(4):407–11

Legislation in Belgium regarding the use of carcinogenic substances. Lehoucq A. **Med Law** 1986 Jul–Aug;77(4):370–5

Survey of the regulatory aspects of carcinogenic substances in Spain. Ramos ES. **Med Law** 1986 Jul–Aug;77(4):412–7

The Older Americans Act Congregate Meals Program: a review of policies, goals, and results. Schwartz TR.
Med Law 1987;6(4):313–27

Legislation needed to protect retirement plans. Weber RD.
Mich Med 1987 Mar;86(3):158, 160, 172 passim

A review of Michigan's right to know law. Williams TR.
Mich Med 1987 May;86(5):306–7

International symposium on short–term tests for genotoxicity. Legislative aspects and selection of appropriate tests for the control of genotoxic potential of a chemical. Pisa, 5–8 April, 1986. Sobels FH. **Mutat Res** 1986 Dec;164(6):389–94

The Federal regulation of medical devices. Kessler DA, et al. **N Engl J Med** 1987 Aug 6;317(6):357–66

Whose red face? [editorial] **Nature** 1987 Jun 4–10; 327(6121):354

California court forces closure of biology laboratory [news] Anderson A. **Nature** 1987 Aug 20–26;328(6132):656

Britain's doctors in legal wrangle over confidentiality of records [news] Johnstone B. **Nature** 1987 Feb 12–18; 325(6105):567

US Supreme Court to review Louisiana appeal [news] Jukes TH. **Nature** 1986 Dec 4–10;324(6096):423–4

Genetic manipulation. Relaxed rules provoke anger [news] Wright K. **Nature** 1986 Oct 9–15;323(6088):480

Hazards of genetic engineering [letter] Young FE, et al.
Nature 1987 Mar 26–Apr 1;326(6111):326

Chemical hazards: the North Carolina Hazardous Chemicals Right to Know Act. Uzych L. **NC Med J** 1986 Nov; 47(11):537–9

Safety belts—one year later [editorial] Kemmerer D.
Nebr Med J 1986 Dec;71(12):419–20

Legislative roundup. The legislative year in review. By the OSMA Department of Legislation. **Ohio Med** 1987 Jan; 83(1):22–3, 28–45

American Academy of Pediatrics Committee on Accident and Poison Prevention: All–terrain vehicles: two–, three–, and four–wheeled unlicensed motorized vehicles.
Pediatrics 1987 Feb;79(2):306–8

Child restraint law effects on motor vehicle accident fatalities and injuries: the New Mexico experience. Sewell CM, et al. **Pediatrics** 1986 Dec;78(6):1079–84

Preventing injuries to children through compulsory automobile safety seat use [published erratum appears in Pediatrics 1987 Jun;79(6):863] Wagenaar AC, et al.

Pediatrics 1986 Oct;78(4):662–72
Age-specific alcohol prohibition and college students' drinking problems. Engs RC, et al. **Psychol Rep** 1986 Oct; 59(2 Pt 2):979–84
Effects of mandating seatbelt use: a series of surveys on compliance in Michigan. Wagenaar AC, et al.
Public Health Rep 1986 Sep–Oct;101(5):505–13
Testimony at congressional hearing on biotechnology—July 23, 1986. **Recomb DNA Tech Bull** 1986 Sep;9(3):133–210
The use of chemical and biological parameters to characterize complex industrial effluents. Bengtsson BE, et al.
Regul Toxicol Pharmacol 1986 Sep;6(3):238–47
The use of decision-theoretic approach in regulating toxicity. Chen JJ, et al. **Regul Toxicol Pharmacol** 1986 Sep; 6(3):274–83
Managing technological and environmental risks in Japan. Ikeda S. **Risk Anal** 1986 Dec;6(4):389–401
Towards a scientific basis for regulating lead contamination. Simms DL. **Sci Total Environ** 1986 Dec 31;58(3):209–24
California's proposition 65 [editorial] Abelson PH. **Science** 1987 Sep 25;237(4822):1553
Omnibus health bill: vaccines, drug exports, physician peer review [news] Culliton BJ. **Science** 1986 Dec 12; 234(4782):1313–4
The DNA dragon 1 [editorial] Koshland DE Jr. **Science** 1987 Sep 18;237(4821):1397
Regulating pesticides: the "Delaney paradox" [news]Norman C. **Science** 1987 May 29;236(4805):1054–5
Legalization of consensual unions in Mexico. Pebley AR, et al. **Soc Biol** 1986 Fall–Winter;33(3–4):199–213
[Professional compulsory education for trainee physicians' assistants outside of vacation time] Kamps H.
Dtsch Med Wochenschr 1986 Sep 19;111(38):1455 **(Ger)**
[The Radiation Protection Planning Act: inspection of environmental radioactivity and precautionary steps after a nuclear accident] Fricke A. **DTW** 1987 Jun 9;94(6):370–2 (Eng. Abstr.) **(Ger)**
[Drinking and other usable water from the public water supply—status, standards, legal principles, problems] Müller J. **DTW** 1986 Jul 23;93(7):305–7 (Eng. Abstr.) **(Ger)**
[Incidence of injuries caused by windshields following implementation of the 1984 seat belt law] Lund OE.
Fortschr Ophthalmol 1986;83(4):420–1 (Eng. Abstr.) **(Ger)**
[Drinking water legislation and its problems for the public health service] Pfau E. **Off Gesundheitswes** 1986 Dec; 48(12):662–5 (Eng. Abstr.) **(Ger)**
[Detection and assessment of plant treatment and plant pesticide control agents in drinking water in relation to the new drinking water ordinance] Hässelbarth U.
Schriftenr Ver Wasser Boden Lufthyg 1987;68:45–50 **(Ger)**
[Possibilities and problems in the use of plant pesticides in water protection areas] Meinert G, et al.
Schriftenr Ver Wasser Boden Lufthyg 1987;68:51–63 **(Ger)**
[Determination of pesticides in relation to the new drinking water ordinance. 1: Review of legal pesticides, practice-oriented selection and determination of priority in relation to their definition] Quentin KE, et al.
Schriftenr Ver Wasser Boden Lufthyg 1987;68:107–8 **(Ger)**
[Alcohol, drugs and traffic laws. 2: Studies of the assessment of significant disability in automobile driving fitness caused by psychotropic drugs or alcohol and psychotropic drug combinations] Eulitz J, et al. **Z Arztl Fortbild (Jena)** 1986; 80(19):823–6 **(Ger)**
[Treatment of topics concerning the aged in the German federal parliament 1976–1983] Wilbers J. **Z Gerontol** 1986 Sep–Oct;19(5):358–61 (Eng. Abstr.) **(Ger)**
[Legislation related to the management of kidney failure] Kusakari T. **Nippon Rinsho** 1987 Jun;45(6):1361–71 **(Jpn)**
[Determination and limitation of efforts in transportation by human pushing] de Amorim Neto MG.
Rev Saude Publica 1986 Aug;20(4):327–30 (Eng. Abstr.) **(Por)**
[Various problems in detecting offenses associated with the spread of venereal diseases] Iatsukha MV, et al.
Vestn Dermatol Venerol 1986;(12):32–5 (Eng. Abstr.) **(Rus)**
[Declaration of the Council of the Institute of Chile on the risks of nuclear energy] Riesco Grez C, et al.
Rev Med Chil 1987 Jan;115(1):72–3 (Eng. Abstr.) **(Spa)**

TRENDS

Introduction to a decade of transition. Brown LD.
J Health Polit Policy Law 1986;11(4):569–83
Political risk assessment, from an elected safety belt law advocate's point of view and experience. Austin RH.
J Trauma 1987 Jul;27(7):719–25
Seat belt legislation in Britain. MacKay M. **J Trauma** 1987 Jul;27(7):759–62

LEGISLATION, DENTAL

Innovative new Florida laws affect dental practice, malpractice verdicts and tort reforms. Gustafson T.
J Am Coll Dent 1987 Spring;54(1):16–20
How the law affects the dentist. Rissin L.
J Prosthet Dent 1987 Jul;58(1):101–6
A review of the regulations governing the practice of dentistry in New York State. Nathan RA. **NY J Dent** 1987 Apr–May;57(3):90–2

HISTORY

[Confederation recognition of the dentist as a medical profession in Switzerland] Sigron G.
Schweiz Monatsschr Zahnmed 1986 Dec;96(12):1430–40 (Eng. Abstr.) **(Ger)**

LEGISLATION, DRUG

see related
DRUG AND NARCOTIC CONTROL

Effect of regulatory withdrawal of drugs and prescription recommendations on the pattern of self-poisonings in Oslo. Ekeberg O, et al. **Acta Med Scand** 1987;221(5):483–7
"Unapproved" use of drugs [letter]le Sousa H.
Anesth Analg 1987 Apr;66(4):370
Effect on prescribing of the limited list in a computerised group practice. Irwin WG, et al. **Br Med J [Clin Res]** 1986 Oct 4;293(6551):857–9
Access to pesticide registration data in Canada: who should know? Cohen FG, et al. **Can Med Assoc J** 1987 Feb 15; 136(4):329–32
New sulfite regulations. **FDA Drug Bull** 1986 Nov;16(2):17–8
Additional generics on the market. **FDA Drug Bull** 1986 Nov; 16(2):14–5
Post-marketing evaluation of fertility-regulating drugs, as viewed by regulatory authorities. **Hum Reprod** 1987 Jan; 2(1):45–58
Deterrence of drunk driving in Massachusetts: criminal justice system impacts. Forcier MW, et al. **Int J Addict** 1986 Nov;21(11):1197–220
FDA regulation of veterinary prescription drugs. Stefan GE, et al. **J Am Vet Med Assoc** 1986 Sep 1;189(5):513–7
Regulation of orthopedic devices. Alexander H.
J Biomed Mater Res 1987 Aug;21(A2 Suppl):139–42
View from the Nation's Capital. Executive Branch inaction: the case of neurotoxicity testing and regulation. Appler W, et al. **J Clin Psychopharmacol** 1986 Dec;6(6):366–8
View from the Nation's Capital. Appler WD.
J Clin Psychopharmacol 1987 Jun;7(3):185–6
View from the Nation's Capital. Drug abuse policy: policy or politics? Appler WD Jr. **J Clin Psychopharmacol** 1987 Apr;7(2):104–5
The weight of the evidence—or—more likely than not. Melnick M. **J Craniofac Genet Dev Biol** 1986;6(3):203–6
New drug sampling law a big nuisance [letter] Caldwell J. **J Fla Med Assoc** 1986 Oct;73(10):753–5
The use of consultants in the parenteral industry. Agalloco JP. **J Parenter Sci Technol** 1986 Nov–Dec;40(6):277–83
Generic drugs and the prescribing physician. Nightingale SL, et al. **JAMA** 1987 Sep 4;258(9):1200–4
Management of drug addicts: hostility, humanity, and pragmatism [editorial] **Lancet** 1987 May 9;1(8541):1068–9
Advertising claims and the Medicines Act [letter] **Lancet** 1987 Jan 31;1(8527):278
Legalising heroin [letter] Hammersley R. **Lancet** 1986 Dec 20–27;2(8521–22):1461–2
Pesticides and health [letter] MacLean TD. **Lancet** 1987 Sep 5;2(8558):575
The regulatory challenge. Lunde PK. **Med Toxicol** 1986;1 Suppl 1:121–4
Regulatory decisions and consumers. Rawlins MD.
Med Toxicol 1986;1 Suppl 1:128–9
Regulatory decisions and the pharmaceutical industry. Snell ES. **Med Toxicol** 1986;1 Suppl 1:130–6
Regulatory decisions. Emphasis on safety issues. Strandberg K, et al. **Med Toxicol** 1986;1 Suppl 1:137–49
Doctors and the dispensing of drugs [editorial] Relman AS. **N Engl J Med** 1987 Jul 30;317(5):311–2
Generic drug substitution revisited. Strom BL.
N Engl J Med 1987 Jun 4;316(23):1456–62 (50 ref.)
Opioid peptides as drug products: FDA regulatory requirements. Hoiberg CP, et al.
Natl Inst Drug Abuse Res Monogr Ser 1986;70:385–404
Unapproved drugs for export [news] Beardsley T. **Nature** 1986 Oct 23–29;323(6090):657
US experimental drug rule change may help biotechnology [news] Ezzell C. **Nature** 1987 Apr 9–15;326(6113):536
Perinatal toxicology and the law. Morris RA, et al.
Neurobehav Toxicol Teratol 1986 Jul–Aug;8(4):363–7 (33 ref.)
FDA: help our patients! [editorial] Settipane GA.
New Engl Reg Allergy Proc 1985 Fall;6(4):381–2
DDT moratorium in Arizona—agricultural residues after 1 year. Ware GW, et al. **Pestic Monit J** 1970 Jun;4(1):21–4
Use of pharmacological principles in regulation of drugs in food animals. Weissinger J. **Proc West Pharmacol Soc** 1986; 29:503–10
Clinical testing of products prepared by biotechnology. Lasagna L. **Regul Toxicol Pharmacol** 1986 Dec;6(4):385–90
The weight of evidence: regulatory toxicology in Canada. Somers E. **Regul Toxicol Pharmacol** 1986 Dec;6(4):391–8
Cogitationes de minimis [editorial] Wodicka VO.
Regul Toxicol Pharmacol 1987 Jun;7(2):129–30
Policies, laws, and regulations pertaining to antibiotics: report of Task Force 3. Simon HJ, et al. **Rev Infect Dis** 1987 May–Jun;9 Suppl 3:S261–9
Measuring statutory effectiveness and compliance with Rhode Island's Drug Product Selection law. Campbell NA, et al. **RI Med J** 1986 Dec;69(12):585–8
Drug policy in Bangladesh. Hasan M, et al.
Trop Gastroenterol 1987 Jan–Mar;8(1):3–8
Legal implications of the extra-label use of drugs in food animals. Heavner JE, et al.
Vet Clin North Am [Food Anim Pract] 1986 Nov; 2(3):517–25
PML vaccines [letter] Munro MH. **Vet Rec** 1987 Jul 18; 121(3):72
Hormone growth promoter ban [letter] Pratt JH. **Vet Rec** 1986 Nov 15;119(20):511
[Drugs and their safety as secured by legal regulations from the aspect of the society at large] Kostka V, et al.
Cesk Zdrav 1986 Sep;34(8–9):360–3 (Eng. Abstr.) **(Cze)**
[Veterinary drugs, the veterinarian and the Veterinary Drug Act] Frens J. **Tijdschr Diergeneeskd** 1987 Apr 15; 112(8):461–6 (Eng. Abstr.) **(Dut)**
[Veterinary Drug Act] Frens J. **Tijdschr Diergeneeskd** 1986 Sep 1;111(17):796–9 (Eng. Abstr.) **(Dut)**
[Veterinary Drug 'what?' Various marginal notes by an 'industrial veterinarian'] Hoftijzer J.
Tijdschr Diergeneeskd 1987 Apr 15;112(8):481–5 (Eng. Abstr.) **(Dut)**
[The Veterinary Drug Act and the practice for domestic animals] Takkenberg RJ. **Tijdschr Diergeneeskd** 1987 Apr 15;112(8):478–80 (Eng. Abstr.) **(Dut)**
[The Veterinary Drug Act and the practitioner] Vaarkamp H. **Tijdschr Diergeneeskd** 1987 Apr 15;112(8):473–7 (Eng. Abstr.) **(Dut)**
[The Veterinary Drug Act, the Veterinary Practice Act and the cattle farmer] van Hoof W. **Tijdschr Diergeneeskd** 1987 Apr 15;112(8):491–2 (Eng. Abstr.) **(Dut)**
[The Veterinary Drug Act and rational pharmacotherapy. Various marginal notes on the registration and channeling of veterinary drugs] van Miert AS.
Tijdschr Diergeneeskd 1987 Apr 15;112(8):467–72 (Eng. Abstr.) **(Dut)**
[Toxicologic dossier prior to commercialization of a chemical product] Chambon P. **J Toxicol Clin Exp** 1986 Mar–Apr; 6(2):129–36 **(Fre)**
[Danthron prohibition (letter)] Ippen H.
Dtsch Med Wochenschr 1987 Apr 3;112(14):569–70 **(Ger)**
[Position of the Presidium of the Hungarian Academy of Sciences on the human use of the preparation Celladam]
Orv Hetil 1987 Jun 28;128(26):1339–43 **(Hun)**

HISTORY

From oysters to after-dinner mints: the role of the early food and drug inspector. Young JH. **J Hist Med Allied Sci** 1987 Jan;42(1):30–53

TRENDS

APhA government affairs annual report. **Am Pharm** 1987 Feb;NS27(2):35–8
Development of drug regulating authorities. Goldberg A.
Br J Clin Pharmacol 1986;22 Suppl 1:67S–70S
Problems in new-drug development: therapeutic agents for ventricular arrhythmias. Keefe DL, et al.
J Clin Pharmacol 1986 Nov–Dec;26(8):562–6
Little risks and big fears. Huber PW.
Regul Toxicol Pharmacol 1987 Jun;7(2):200–5
Risk assessment: the convergence of science and the law. Young FE. **Regul Toxicol Pharmacol** 1987 Jun;7(2):179–84

LEGISLATION, FOOD

1986 ASCN Public Policy Forum—disease specific claims on foods: possibilities and problems. Health claims on foods—reflections on the food/drug distinction and on the law of misbranding. Cooper RM. **Am J Clin Nutr** 1986 Oct;44(4):560–6
Toxicology and food safety regulations. Miller SA.
Arch Toxicol 1987;60(1–3):212–6 (17 ref.)
Food enrichment: legislation in Europe. du Bois I.
Bibl Nutr Dieta 1987;(40):69–81
Statement and resolution regarding proposed revision of Food and Drug Administration regulations concerning disease related health claims on labels. Committee on Public Health and the Committee on Medicine in Society.
Bull NY Acad Med 1987 May;63(4):410–6
Why wait any longer for a national food policy? [editorial] Williams DR. **J R Soc Med** 1987 Apr;80(4):199–200
Food irradiation legislation due despite public suspicion [news] Hadlington S. **Nature** 1987 Aug 27–Sep 2; 328(6133):751
Genetic manipulation: living outside regulation [news] Palca J. **Nature** 1986 Nov 20–26;324(6094):202
The regulatory control to toxic chemicals in food. Liston AJ, et al. **Proc West Pharmacol Soc** 1986;29:495–8
Use of pharmacological principles in regulation of drugs in food animals. Weissinger J. **Proc West Pharmacol Soc** 1986; 29:503–10
Public health and food safety: a historical association. Wagstaff DJ. **Public Health Rep** 1986 Nov–Dec; 101(6):624–31
[Food enrichment. Commentary on the propositions of the Codes (1985)] Astier-Dumas M. **Bibl Nutr Dieta** 1987; (40):96–9 **(Fre)**
[Chemical contaminants in food] Coduro E.
Zentralbl Bakteriol Mikrobiol Hyg [B] 1986 Dec; 183(2–3):221–33 (Eng. Abstr.) **(Ger)**

HISTORY

From oysters to after-dinner mints: the role of the early food and drug inspector. Young JH. **J Hist Med Allied Sci** 1987 Jan;42(1):30–53

LEGISLATION, HOSPITAL

Baby Doe revisited [editorial] Norman ME. **Del Med J** 1987 Mar;59(3):169–71

Baby Doe decisions: a hospital manager's perspective. Taft C. **Health Care Manage Rev** 1987 Spring;12(2):61–8

Fraud bill steams toward passage. Burda D. **Hospitals** 1987 Jun 5;61(11):49, 52

States act to regulate hospital risk management. Burda D. **Hospitals** 1987 May 5;61(9):64

Dumping law: a competitive weapon for hospitals? Burda D. **Hospitals** 1987 Jun 20;61(12):74

Court shuts down retroactive rules. Burda D. **Hospitals** 1987 Aug 20;61(16):50–1

AIDS law in CA binds hospitals. Burda D. **Hospitals** 1987 Aug 20;61(16):50

Antitrust issues brought into focus. Burda D. **Hospitals** 1986 Dec 20;60(24):34

Hospitals hand HHS serious defeats in 1986. Burda D. **Hospitals** 1986 Dec 20;60(24):32

Regulation v. competition: three states choose. Merrill T. **Hospitals** 1987 Jul 5;61(13):34, 36

Liability fears linger after organ laws' passage. Newald J. **Hospitals** 1986 Oct 5;60(19):46

More detailed and timely data sought from hospitals. Robinson ML. **Hospitals** 1987 Aug 20;61(16):28

Hospital reforms in France under a Socialist government. De Pouvourville G. **Milbank Q** 1986;64(3):392–413

The Texas transfer law: an early assessment [editorial] Boisaubin EV. **Tex Med** 1987 Jul;83(7):5–6

LEGISLATION, MEDICAL

Tort versus no-fault: compensation and injury prevention. O'Connell J. **Accid Anal Prev** 1987 Feb;19(1):63–71

Legal protection of unborn life from the medical point of view. Neoral L, et al.
Acta Univ Palacki Olomuc Fac Med 1986;114:361–8

Presymptomatic testing for Huntington chorea: ethical and legal issues. Lamport AT. **Am J Med Genet** 1987 Feb; 26(2):307–14

Legal control measures for AIDS: reporting requirements, surveillance, quarantine, and regulation of public meeting places. Gostin L, et al. **Am J Public Health** 1987 Feb; 77(2):214–8

The law and the practice of anaesthesia [editorial] Lunn JN. **Anaesthesia** 1986 Nov;41(11):1085–6

Preliminary injunction denied; curb on surgical assistants still pending. Springer M. **Arch Ophthalmol** 1987 Apr;105(4):466

Legal techniques and medical value judgments. Green GS. **Aust NZ J Med** 1987 Feb;17(1):93–7

The commonality and contrasts of agency law and relationships in sonography. James AE Jr, et al.
Australas Radiol 1986 Nov;30(4):298–301

Symposium on complications and medico-legal aspects of anaesthesia. **Br J Anaesth** 1987 Jul;59(7):P63–927

Anaesthesia and the law: the North American experience. Cheney FW. **Br J Anaesth** 1987 Jul;59(7):891–900 (19 ref.)

Legal obligations and responsibilities of the medical practitioner. Finch JD. **Br J Anaesth** 1987 Jul;59(7):870–6

No fault compensation for personal injury in New Zealand: some implications for anaesthetists. Gibbs JM.
Br J Anaesth 1987 Jul;59(7):865–9

Complications and medico-legal aspects of anaesthesia [editorial] Smith G, et al. **Br J Anaesth** 1987 Jul;59(7):813–4

Automatism and the law [editorial] Fenwick PB.
Br J Hosp Med 1986 Dec;36(6):397

The decline in the teaching of legal medicine [editorial] Mant AK. **Br Med J [Clin Res]** 1986 Nov 29;293(6559):1390

Immunisation before school entry: should there be a law? Noah ND. **Br Med J [Clin Res]** 1987 May 16; 294(6582):1270–1

Are medical computing and the law on a collision course? Goldman B. **Can Med Assoc J** 1987 Sep 1;137(5):430–2

Aeronautics Act and the doctor-patient relationship. Johnson DG. **Can Med Assoc J** 1986 Dec 1;135(11):1254–6

Genetic information and the law: constraints, liability and rights. Knoppers BM. **Can Med Assoc J** 1986 Dec 1; 135(11):1257–9

Autonomy, beneficence, and informed consent: rethinking the connections. II. Shatz D. **Cancer Invest** 1986; 4(4):353–61

Legal issues in prenatal therapy. Robertson JA.
Clin Obstet Gynecol 1986 Sep;29(3):603–11

AIDS: what about testing? Coggins PR. **Del Med J** 1987 Jun;59(6):373–4

Legal and actuarial technical questions in intraocular complications. Rossmann H. **Dev Ophthalmol** 1987;13:151–4

Late abortion and technological advances in fetal viability. **Fam Plann Perspect** 1985 Jul–Aug;17(4):160–4

New reproductive technologies: some legal dilemmas. Donovan P. **Fam Plann Perspect** 1986 Mar–Apr;18(2):57–60

FDA requests comments on IDE regulations.
FDA Drug Bull 1986 Nov;16(2):18

At law. Transferring the ethical hot potato. Annas GJ.
Hastings Cent Rep 1987 Feb;17(1):20–1

The hasty British ban on commercial surrogacy. Brahams D. **Hastings Cent Rep** 1987 Feb;17(1):16–9

Tightening the reins on the tobacco industry. Ellwood DA. **Health Aff (Millwood)** 1986 Winter;5(4):121–7

Arm of surrogate parent legislation reaches hospitals. Burda D. **Hospitals** 1987 Jul 5;61(13):53–4

AIDS and the law. Morse SJ, et al. **IMJ** 1987 Jun; 171(6):370–4

Factors related to compliance to Wisconsin's mandatory assessment policy for alcohol-impaired drivers. Gurnack AM. **Int J Addict** 1986 Jul;21(7):807–12

Communicate with your lawmaker. Ollie CA. **Iowa Med** 1986 Nov;76(11):515–6

Clinical and legal aspects of pupillary dilation. Alexander LJ, et al. **J Am Optom Assoc** 1987 May;58(5):432–7

Optometric parity legislation under Medicare. Garland N. **J Am Optom Assoc** 1987 Jun;58(6):518–9

View from the Nation's Capital. Animal research: public pressure versus research needs. Appler WD.
J Clin Psychopharmacol 1986 Oct;6(5):305–8

The 1987 Florida legislative agenda: a physician's perspective. Caldwell JR. **J Fla Med Assoc** 1987 Mar; 74(3):207–10

When is cloning lawful? Brumby M, et al.
J In Vitro Fert Embryo Transfer 1987 Aug;4(4):198–204

Kentucky brain death legislation. Shields CB.
J Ky Med Assoc 1987 Mar;85(3):123–5

Prenatal diagnosis and female abortion: a case study in medical law and ethics. Dickens BM. **J Med Ethics** 1986 Sep;12(3):143–4, 150

AIDS legislation—turning up the heat? Kirby MD.
J Med Ethics 1986 Dec;12(4):187–94

Medical surveillance of employees under the Occupational Safety and Health Administration. Mintz BW.
J Occup Med 1986 Oct;28(10):913–20

Discriminatory aspects of medical screening. Rothstein MA. **J Occup Med** 1986 Oct;28(10):924–9

Consent, communication and responsibility. Scarman.
J R Soc Med 1986 Dec;79(12):697–700

Oklahoma rejects immunoaugmentation [letter] Hughes WL. **JAMA** 1986 Oct 24–31;256(16):2200

Antitrust immunity for reviewers. Stratton WT.
Kans Med 1987 May;88(5):166, 168

New law allows exempt license. Stratton WT. **Kans Med** 1987 Jul;88(7):232

Discordant priorities. Silver G. **Lancet** 1987 May 23; 1(8543):1195

Abortion in the lobby [letter] Simms M. **Lancet** 1987 Aug 8;2(8554):339

Legal interference and clinical freedom [letter] Tomlin PJ. **Lancet** 1986 Dec 6;2(8519):1337

Update on HIV infection. The Governor's Task Force on AIDS. Brandt EN Jr. **Md Med J** 1987 Jan;36(1):47

Substituted judgment: the courts speak for the speechless. Classen HW. **Med Law** 1986;5(3):199–219

The interface of law and science: the work of the Agent Orange Royal Commission. Coombs J. **Med Law** 1987; 6(1):1–12

Sex and the mentally handicapped: a lawyer's view. Gunn MJ. **Med Law** 1986;5(4):255–63

Abortion laws and the involvement of the psychiatrist in Australia. Haig RA. **Med Law** 1987;6(2):99–106

Supreme Court's decisions on euthanasia in The Netherlands. Leenen HJ. **Med Law** 1986;5(4):349–51

An American perspective on forensic psychiatry and mental health law in Europe. Modlin HC, et al. **Med Law** 1986; 5(4):309–21

The adoptee: interface between psychiatry, law and ethics. Schneider S. **Med Law** 1986;5(6):441–4

Legislative report. 1987 Virginia General Assembly. Wieckiny DK. **Med Leg Bull** 1987 May–Jun;36(3):1–15

Congress moves to bolster peer review: the Health Care Quality Improvement Act of 1986. Iglehart JK.
N Engl J Med 1987 Apr 9;316(15):960–4

Court-ordered obstetrical interventions. Kolder VE, et al. **N Engl J Med** 1987 May 7;316(19):1192–6

Doctors and the dispensing of drugs [editorial] Relman AS. **N Engl J Med** 1987 Jul 30;317(5):311–2

West German research agencies oppose new embryo law [news] Dickman S. **Nature** 1987 May 7–13;327(6117):6

New rules for AIDS positives [news] Ezzell C. **Nature** 1987 Apr 30–May 6;326(6116):816

In vitro fertilization. Research in Victoria threatened [news] Morgan C. **Nature** 1986 Oct 30–Nov 5;323(6091):748

New Australian law on embryos still confuses researchers [news] Morgan C. **Nature** 1987 Jan 15–21;325(6101):185

AIDS conference launched with controversial message [news] Newmark P, et al. **Nature** 1987 Jun 4–10; 327(6121):355

US courts and legislatures face implications of surrogacy [news] Palca J. **Nature** 1987 Jan 15–21;325(6101):184

Litigious challenge [letter] Taylor DA. **Nature** 1987 Aug 20–26;328(6132):662

Legal implications for research in the developing organism. Morris RA. **Neurotoxicology** 1986 Summer;7(2):3–17

Clinical confidentiality: dilemmas and guidelines. Hankoff LD, et al. **NJ Med** 1986 Oct;83(10):655–9

Maintenance and release of medical records. Kern SI.
NJ Med 1986 Oct;83(10):649–50

Radiopharmaceuticals and the Medicines Act [editorial] Hesslewood SR, et al. **Nucl Med Commun** 1987 Feb; 8(2):67–8

Clean indoor air. Marin MG. **NY State J Med** 1986 Sep; 86(9):494

Medico-legal aspects of in vitro fertilization and embryo transfer practice. Schenker JG, et al.
Obstet Gynecol Surv 1987 Jul;42(7):405–13

Sterilization of mentally retarded persons. Van der Merwe JV, et al. **Obstet Gynecol Surv** 1987 Aug;42(8):489–93

Congress continues heated battle over occupational disease notification. Tyson PR. **Occup Health Saf** 1987 Jun;56(6):56

Legislature ends 1985–86 session in wee hours. Craig RH Jr, et al. **Pa Med** 1987 Jan;90(1):17–8, 20

The Medical Practice Act of 1985. Part VII—General provisions included in the regulations for implementing the act (chapter 16). Moyer JH. **Pa Med** 1987 Jul;90(7):63–6, 71–4

AIDS commission bills proliferate [news] Barnes DM. **Science** 1987 Mar 6;235(4793):1136

OTA: property right, donor consent factors cloud "gifts" of human tissue [news] Crawford M. **Science** 1987 Mar 27; 235(4796):1564

California to vote on AIDS proposition [news] Petit C. **Science** 1986 Oct 17;234(4774):277–8

Reproduction, women, and the workplace: legal issues. Bertin JE. **State Art Rev Occup Med** 1986 Jul–Sep;1(3):497–507 (38 ref.)

Medical, ethical, and legal implications of current trends in clinical transplantation: an assessment of the respective roles of government and the private sector in the regulation of transplantation. Rapaport FT, et al. **Transplant Proc** 1987 Aug;19(4):3525–7

Ethical and legal aspects of in-vitro fertilization and artificial insemination by donor. Andrews LB.
Urol Clin North Am 1987 Aug;14(3):633–42

The Ionising Radiations Regulations 1985: what they mean in practice. Foster SJ. **Vet Rec** 1986 Nov 15;119(20):489–90

Physicians' obligations in legal matters [letter] Airola VR. **West J Med** 1986 Sep;145(3):393

Blue book 1987. **Wis Med J** 1987 Jun;86(6):7–259

Protective legislation, ionizing radiation and health: a new appraisal and international survey. Stellman JM.
Women Health 1987;12(1):105–25

[Use of total heart replacement in clinical practice. Importance of experimental preparation in relation to legal, ethical and social aspects] Vašku J. **Cas Lek Cesk** 1987 Jan 9;126(2):33–40 (Eng. Abstr.) **(Cze)**

[The negative reverse in daily ambulatory care in gynecology] Závodský A, et al. **Cesk Gynekol** 1987 Feb; 52(1):67–8 **(Cze)**

[Information on the new law on abortion in 1987] Stembera Z. **Cesk Pediatr** 1987 Feb;42(2):108 **(Cze)**

[The human body as a legally protected resource of biomedical value] Štěpán J. **Cesk Zdrav** 1987 Apr; 35(4):171–7 (Eng. Abstr.) **(Cze)**

[Relation between ethics and law in the provision of health care (results of a research survey directed at the views and ideas of physicians)] Stolínová J. **Cesk Zdrav** 1987 Mar; 35(3):125–32 (Eng. Abstr.) **(Cze)**

[A law on publicity in administration. An anticipatory analysis] Skovdal J, et al. **Ugeskr Laeger** 1987 Mar 2; 149(10):685–7 (Eng. Abstr.) **(Dan)**

[Medicolegal obstacles in organ procurement. Effect of legislation in France and Europe] Colpart JJ, et al.
Agressologie 1986 Oct;27(9):765–8 (Eng. Abstr.) **(Fre)**

[Legislation and autotransfusion problems. Medicolegal responsibilities] Streiff F. **Ann Fr Anesth Reanim** 1986; 5(3):269–71 **(Fre)**

[The physician, The French judiciary and transsexuals in 1986. II. Three basic questions: treatment, legal change of sex and possible recourse to the legislator] Soutoul JH, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986; 15(8):1009–20 (Eng. Abstr.) **(Fre)**

[Clinical research studies from the ethical and legal point of view] Bauer G. **Wien Klin Wochenschr** 1987 Jun 26; 99(13):449–53 (36 ref.) (Eng. Abstr.) **(Ger)**

[Euthanasia—focal point of the physician's responsibility in the light of legal norms] Bauer G.
Wien Med Wochenschr 1986 Jul 31;136(14):357–65 (Eng. Abstr.) **(Ger)**

[Thoracic radiographic exam for workers at risk for pneumoconiosis: critical considerations of legal and radiation protection aspects] Indovina PL, et al.
Med Lav 1986 Sep–Oct;77(5):489–95 (Eng. Abstr.) **(Ita)**

[[Changes in policies related to chronic kidney failure and their future prospect] Mimura M. **Nippon Rinsho** 1987 Jun; 45(6):1325–30 **(Jpn)**

[Revision of the Mental Health Act]
Seishin Shinkeigaku Zasshi 1986;88(9):629–704 **(Jpn)**

[Euthanasia: ethical and legal aspects] Segre M. **AMB** 1986 Jul–Aug;32(7–8):141–2 (Eng. Abstr.) **(Por)**

[Refusal to give medical care] Purić J, et al.
Srp Arh Celok Lek 1986 May–Jun;114(5–6):587–93 (Eng. Abstr.) **(Scc)**

[Regulations applicable to fertilization in vitro and embryo transfer] **Rev Chil Obstet Ginecol** 1985;50(2):166–8 **(Spa)**

[Provisions concerning health in the constitutions of the world] Heckel NI, et al. **Salud Publica Mex** 1986 Jul–Aug; 28(4):465–72 (Eng. Abstr.) **(Spa)**

HISTORY

Medical rivalries and medical politics in France: the physicians' union movement and the Medical Assistance Law of 1893. Hildreth ML. **J Hist Med Allied Sci** 1987 Jan;42(1):5–29

[Ars medica Anhaltina (VI): Status, rights and responsibilities of physicians and pharmacists with reference to medico-legal aspects of the 18th and early 19th century] Kaiser W, et al. **Z Gesamte Inn Med** 1986 Dec 15; 41(24):693-9 (Eng. Abstr.) **(Ger)**

TRENDS

Quality assurance in changing times: proposals for reform and research in the clinical laboratory field. Kenney ML. **Clin Chem** 1987 Feb;33(2 Pt 1):328-36 (41 ref.)

State laws and the provision of family planning and abortion services in 1985. Sollom T, et al. **Fam Plann Perspect** 1985 Nov-Dec;17(6):262-6

The legislature examines Illinois' Medical Practice Act. **IMJ** 1987 Mar;171(3):147-52

Drug abuse social policy in the United States and Israel: a comparative sociological perspective. Ben-Yehuda N. **Int J Addict** 1987 Jan;22(1):17-45

Organized medicine's challenges today: "the good, the bad, and the ugly". Sammons JH. **J Med Assoc Ga** 1987 Jul; 76(7):499-502

The future of communicable disease control: toward a new concept in public health law. Gostin L. **Milbank Q** 1986; 64 Suppl 1:79-96

Physician employers and 'right to know'. Lumb G. **Pa Med** 1987 Feb;90(2):32-6

LEGISLATION, NURSING

When the courts define nursing: what it is, what it does. Cushing M. **Am J Nurs** 1987 Jun;87(6):773-4

Midwifery and home births [letter] Schulze WB. **Can Med Assoc J** 1986 Nov 15;135(10):1064

Classics from our heritage. The need for legislation for licensure to practice professional nursing. Rogers ME. **J Prof Nurs** 1985 Nov-Dec;1(6):384

The competition approach to understanding occupational autonomy: expansion and control of nursing service. Young WB. **J Prof Nurs** 1985 Sep-Oct;1(5):283-92

Judicial perspectives on nursing. Northrop C. **Nurs Outlook** 1987 May-Jun;35(3):150

Judi Buckalew: learning to play political hardball [interview by Linda J. Pearson] Buckalew J. **Nurse Pract** 1987 Jan; 12(1):48-56

Scope of practice. Klein CA. **Nurse Pract** 1986 Nov; 11(11):67, 71-2

LEGISLATION, PHARMACY

Mandating unit dose drug distribution and i.v. admixture services in New Jersey hospitals. LaFranco M, et al. **Am J Hosp Pharm** 1987 Jun;44(6):1371-5

Riff v. Morgan Pharmacy. A legal mandate for patient-oriented pharmacy practice. Brushwood DB, et al. **Am Pharm** 1987 Mar;NS27(3):68-9

Regulation and licensing of U.S. plasma products: response to AIDS. Aronson DL. **Dev Biol Stand** 1987;67:215-20

Regulatory control of blood products in Canada. Boucher DW, et al. **Dev Biol Stand** 1987;67:221-8

National control requirements for blood products in Australia. Graham DT. **Dev Biol Stand** 1987;67:229-32

On the prevention of viral transmitted infections in plasma products. Martin W. **Dev Biol Stand** 1987;67:233-6

Generic drugs in reproductive medicine: is the value anticipated the value obtained? Keith LG, et al. **Int J Fertil** 1987 Jul-Aug;32(4):268-78

The pharmacist as prescriber. Eng HJ. **J Clin Pharm Ther** 1987 Aug;12(4):237-42

Therapeutic substitution—usurpation of the physician's prerogative [editorial] Ballin JC. **JAMA** 1987 Jan 23-30; 257(4):528-9

Pharmaceutical benefits scheme [letter] Feros PM. **Med J Aust** 1986 Oct 20;145(8):427

Compensation for subjects of clinical trials and strict products liability in German pharmaceutical law. Deutsch E. **Med Law** 1986;5(6):445-8

Liability of pharmacists for substitution of a generic drug for its brand-name counterpart. Hirsh HL. **Med Law** 1987; 6(4):293-302

TPA patent battle continues in court [news] Johnston K. **Nature** 1987 Jun 18-24;327(6123):546

Preclinical safety of biotechnology products intended for human use: government regulatory position in the Federal Republic of Germany. Bass R, et al. **Prog Clin Biol Res** 1987;235:31-48

Rationality and regulatory requirements--a view from Britain. Dayan AD. **Prog Clin Biol Res** 1987;235:89-106

Some aspects of the preclinical safety of drugs produced by recombinant DNA technology: Japanese government regulatory position. Hayakawa T. **Prog Clin Biol Res** 1987; 235:15-29

HISTORY

[Ars medica Anhaltina (VI): Status, rights and responsibilities of physicians and pharmacists with reference to medico-legal aspects of the 18th and early 19th century] Kaiser W, et al. **Z Gesamte Inn Med** 1986 Dec 15; 41(24):693-9 (Eng. Abstr.) **(Ger)**

LEGISLATION, VETERINARY

Ethical assessments within legislative systems. Hampson J. **Acta Physiol Scand [Suppl]** 1986;554:161-8

Regulation of animal experimentation: United States of America. Orlans FB. **Acta Physiol Scand [Suppl]** 1986; 554:138-52

The regulation of experiments on animals in the United Kingdom. Rankin JD. **Acta Physiol Scand [Suppl]** 1986; 554:127-37

Arguments against tighter restrictions on the use of animals and in favor of experimenter-regulated research. Sinclair JD. **Acta Physiol Scand [Suppl]** 1986;554:243-58

Regulation of animal experimentation in Sweden. Skoglund E. **Acta Physiol Scand [Suppl]** 1986;554:153-7

Regulation of animal experimentation. The international experience: Switzerland. Weihe WH. **Acta Physiol Scand [Suppl]** 1986;554:114-26

Control of the scientific use of animals in Victoria [editorial] Crossing RJ. **Aust Vet J** 1987 May;64(5):148

Statutory protection from liability for veterinary medical association board members, officers, and other personnel. Hannah HW. **J Am Vet Med Assoc** 1987 Jun 1; 190(11):1398-9

Legislation and the future of veterinary medicine [letter] Leininger FG. **J Am Vet Med Assoc** 1986 Aug 15; 189(4):395, 406

Regards FDA-directed medicine as bad medicine [letter] Skiles CA Jr. **J Am Vet Med Assoc** 1987 Jun 1; 190(11):1372-4

Democratic expression of public opinion on animal experimentation. Weber H. **J Med Primatol** 1986; 15(6):379-89

Record-keeping requirements of the Animals (Scientific Procedures) Act 1986 and how to meet them. Wootton R, et al. **Lab Anim** 1987 Jul;21(3):267-75

Regulatory perspectives of the United States Department of Agriculture on functions of Animal Care and Use Committees. Stewart WC. **Lab Anim Sci** 1987 Jan;37 Spec No:22-3

Animal rights advocates look to Congress to offset reversals by courts, electorates. Samuels WM. **Physiologist** 1987 Jun; 30(3):42

Legal implications of the extra-label use of drugs in food animals. Heavner JE, et al. **Vet Clin North Am [Food Anim Pract]** 1986 Nov; 2(3):517-25

Legal responsibilities of veterinarians in the control of zoonotic diseases. Hannah HW. **Vet Clin North Am [Small Anim Pract]** 1987 Jan;17(1):27-37 (22 ref.)

Laboratory animal protection: the European Convention and the Dutch Act. Rozemond H. **Vet Q** 1986 Oct;8(4):346-9

Proposed banning of hormonal implants [letter] Cook RR. **Vet Rec** 1986 Sep 27;119(13):338-9

Hormone growth promoter ban [letter] Pratt JH. **Vet Rec** 1986 Nov 15;119(20):511

[Veterinary drugs, the veterinarian and the Veterinary Drug Act] Frens J. **Tijdschr Diergeneeskd** 1987 Apr 15; 112(8):461-6 (Eng. Abstr.) **(Dut)**

[Veterinary Drug Act] Frens J. **Tijdschr Diergeneeskd** 1986 Sep 1;111(17):796-9 (Eng. Abstr.) **(Dut)**

[Veterinary Drug 'what'? Various marginal notes by an 'industrial veterinarian'] Hoftijzer J. **Tijdschr Diergeneeskd** 1987 Apr 15;112(8):481-5 (Eng. Abstr.) **(Dut)**

[The Veterinary Drug Act and the practice for domestic animals] Takkenberg RJ. **Tijdschr Diergeneeskd** 1987 Apr 15;112(8):478-80 (Eng. Abstr.) **(Dut)**

[The Veterinary Drug Act and the practitioner] Vaarkamp H. **Tijdschr Diergeneeskd** 1987 Apr 15;112(8):473-7 (Eng. Abstr.) **(Dut)**

[The Veterinary Drug Act, the Veterinary Practice Act and the cattle farmer] van Hoof W. **Tijdschr Diergeneeskd** 1987 Apr 15;112(8):491-2 (Eng. Abstr.) **(Dut)**

[The Veterinary Drug Act and rational pharmacotherapy. Various marginal notes on the registration and channeling of veterinary drugs] van Miert AS. **Tijdschr Diergeneeskd** 1987 Apr 15;112(8):467-72 (Eng. Abstr.) **(Dut)**

[Advanced training presentation: the changed animal welfare law. The Animal Welfare Law of 18 August 1986] **DTW** 1987 Feb 9;94(2):80-118 **(Ger)**

[Evaluation of animal welfare in new housing systems for laying hens within the scope of the animal protection regulation] Oester H, et al. **Schweiz Arch Tierheilkd** 1986 Oct;128(10):521-34 (Eng. Abstr.) **(Ger)**

TRENDS

[Interpretations of the revision of animal protection laws from the veterinary medicine viewpoint] Loeffler K. **Berl Munch Tierarztl Wochenschr** 1987 May 1;100(5):145-7 (Eng. Abstr.) **(Ger)**

LEGUMES

Antinutritional and biochemical properties of winged bean trypsin inhibitors. de Lumen BO, et al. **Adv Exp Med Biol** 1986;199:413-27

Inhibition of human proteinases by grain legumes. Weder JK. **Adv Exp Med Biol** 1986;199:239-79

Phytic acid and calcium affect the in vitro rate of navy bean starch digestion and blood glucose response in humans. Thompson LU, et al. **Am J Clin Nutr** 1987 Sep;46(3):467-73

Effects of graded sucrose additions on taste preference, acceptability, glycemic index, and insulin response to butter beans. Vorster HH, et al. **Am J Clin Nutr** 1987 Mar; 45(3):575-9

Studies on the development of infant foods from plant protein sources. Part II. Effect of processing conditions on the chemical and nutritive properties of chickpea (Cicer arietinum). Khaleque A, et al. **Arch Latinoam Nutr** 1985 Sep;35(3):496-508

Studies on the development of infant foods from plant protein sources. Part III. Preparation, processing and properties of various products developed. Khaleque A, et al. **Arch Latinoam Nutr** 1985 Dec;35(4):696-710

Some biological properties of a glycoprotein isolated from the valves of pea (Pisum sativum) pods. Dumitrescu M, et al. **Arch Roum Pathol Exp Microbiol** 1986 Jul-Dec; 45(3-4):311-7

Contribution of cowpea (Vigna unguiculata) in a mixed diet to the nutrient intake of rural children in Ibadan. Akinyele IO, et al. **Br J Nutr** 1987 Jul;58(1):31-9

Effect of pelleting and associations with maize or wheat on the nutritive value of smooth pea (Pisum sativum) seeds in adult cockerels. Carré B, et al. **Br Poult Sci** 1987 Jun; 28(2):219-29

Digestion of starch and fibre carbohydrates in peas by adult cockerels. Longstaff M, et al. **Br Poult Sci** 1987 Jun; 28(2):261-85

Chemistry and technology of green gram (Vigna radiata [L.] Wilczek). Adsule RN, et al. **CRC Crit Rev Food Sci Nutr** 1986;25(1):73-105 (202 ref.)

Lawrence lecture. Lines to legumes: changing concepts of diabetic diets. Mann JI. **Diabetic Med** 1984 Sep;1(3):191-8

The beta 1——2-D-xylose and alpha 1——3-L-fucose substituted N-linked oligosaccharides from Erythrina cristagalli lectin. Isolation, characterisation and comparison with other legume lectins. Ashford D, et al. **Eur J Biochem** 1987 Jul 15;166(2):311-20

Induced biochemical and physiological changes in young and adult growing rats fed on a vegetable or animal protein diet. Martínez JA, et al. **Growth** 1986 Summer;50(2):178-84

Effect of canning on the blood glucose response to beans in patients with type 2 diabetes. Wolever TM, et al. **Hum Nutr Clin Nutr** 1987 Mar;41(2):135-40

Effect of legumes on blood sugar in diabetes mellitus. Dilawari JB, et al. **Indian J Med Res** 1987 Feb;85:184-7

New sources of dietary fibre. Madar Z. **Int J Obes** 1987;11 Suppl 1:57-65 (16 ref.)

Digestibility, intake and mineral utilization of combinations of grasses and legumes by lambs. Reid RL, et al. **J Anim Sci** 1987 Jun;64(6):1725-34

Effect of diets containing dry beans (Phaseolus vulgaris, L.) on the rat excretion of endogenous nitrogen. Costa de Oliveira A, et al. **J Nutr** 1986 Dec;116(12):2387-92

The influence of rat endogenous nitrogen excretion on the assessment of bean protein quality. de Oliveira AC, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Aug;32(4):425-36

Molluscicidal activity in the seeds of Millettia thonningii (Leguminosae: Papilionoideae). Evans NA, et al. **Trans R Soc Trop Med Hyg** 1986;80(3):451-3

[Effects of seven alkaloids of Sophora alopecuroides on the contractility of papillary muscles in guinea pigs] Li RS, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 May;7(3):219-21 (Eng. Abstr.) **(Chi)**

[Factors influencing the quality of a Chinese herbal medicine decoction] Meng GR. **Chung Yao Tung Pao** 1986 Nov; 11(11):29-32 **(Chi)**

[Comparative evaluation of the hypoglycemic activity of the vegetal complex of Phaseolus vulgaris and chlorpropamide in experimental diabetes] Khaleeva LD, et al. **Probl Endokrinol (Mosk)** 1987 Mar-Apr;33(2):69-71 (Eng. Abstr.) **(Rus)**

[Chemical composition and evaluation of the protein quality of beans in adult humans by the short-term nitrogen balance method] Blanco A, et al. **Arch Latinoam Nutr** 1986 Mar;36(1):79-97 (Eng. Abstr.) **(Spa)**

[Nutritional quality of pigeon pea protein, immature and ripe, and its supplementary value for cereals] Bressani R, et al. **Arch Latinoam Nutr** 1986 Mar;36(1):108-16 (Eng. Abstr.) **(Spa)**

[Evaluation of a device to measure the hardness of the bean grain (Phaseolus vulgaris) and its use in the determination of cooking time] Gómez-Brenes RA, et al. **Arch Latinoam Nutr** 1985 Dec;35(4):654-65 (Eng. Abstr.) **(Spa)**

[A new alternative for estimating recommendations of protein intake in humans. Protein requirements of an adult population fed with a diet based on rice and beans] Vargas E, et al. **Arch Latinoam Nutr** 1985 Sep;35(3):394-405 (Eng. Abstr.) **(Spa)**

ANALYSIS

Protease inhibitors of the marama bean. Starcher B, et al. **Adv Exp Med Biol** 1986;199:429-38

Sesbania rostrata root and stem nodule leghemoglobins: purification, and relationships among the seven major components. Bogusz D, et al. **Arch Biochem Biophys** 1987 Apr;254(1):263-71

6-Epicastanospermine, a novel indolizidine alkaloid that inhibits alpha-glucosidase. Molyneux RJ, et al. **Arch Biochem Biophys** 1986 Dec;251(2):450-7

Identification of a new, naturally occurring, non proteic amino acid in xylem sap of Pisum sativum. Fortier G, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):383-8

Biochemistry and technology of chickpea (Cicer arietinum L.) seeds. Chavan JK, et al.
CRC Crit Rev Food Sci Nutr 1986;25(2):107–58 (275 ref.)
Crystallization and preliminary crystallographic data of the major albumin from Psophocarpus tetragonolobus (L.) DC. Dayan SM, et al. **J Biol Chem** 1987 Jul 25;262(21):10287–9
Oligosaccharide specificities of Phaseolus vulgaris leukoagglutinating and erythroagglutinating phytohemagglutinins. Interactions with N-glycanase-released oligosaccharides. Green ED, et al. **J Biol Chem** 1987 Sep 5;262(25):12018–29
Rapid, sensitive high-performance liquid chromatographic assay for isoflavonoids from cowpea (Vigna unguiculata). Dorr KK, et al. **J Chromatogr** 1987 Jan 30;387:536–40
Persistence of deltamethrin and cypermethrin on wheat and sweetclover. Westcott ND, et al.
J Environ Sci Health [B] 1987;22(1):91–101
New 3-hydroxyflavanone (dihydroflavonol) phytoalexins from the papilionate legume Shuteria vestita. Ingham JL, et al. **J Nat Prod** 1986 Jul-Aug;49(4):631–8
Triacylglycerol composition of winged bean (Psophocarpus tetragonolobus). Omachi M, et al.
J Nutr Sci Vitaminol (Tokyo) 1987 Feb;33(1):49–54
Simple method of isolation of the major storage protein of bean seed (Phaseolus vulgaris) and its characterization. Dukiandjiev SV. **Nahrung** 1987;31(3):239–46
Chemical composition of some Egyptian foods made from faba beans (Vicia faba L.). Youssef MM, et al. **Nahrung** 1987;31(2):185–7
[Chemical constituents of Astragalus complanatus. I. Separation and analysis of amino acids] Chen MH.
Chung Yao Tung Pao 1987 Feb;12(2):42–4 **(Chi)**
[Quantitative determination of astragaloside A in Astragalus membranaceus] Yu JH. **Chung Yao Tung Pao** 1986 Sep; 11(9):38–40 **(Chi)**
[Sodium and potassium content of some fresh, frozen and canned vegetables] Zuccarelli MT, et al.
Arch Latinoam Nutr 1986 Sep;36(3):477–82 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Effects of benzamide pretreatment on clastogenic adaptation of Vicia faba root-tip meristem cells to triethylenemelamine (TEM) and maleic hydrazide (MH). Rieger R, et al.
Mutat Res 1987 Jun;191(2):93–7

ENZYMOLOGY

Organization of the pathway of de novo pyrimidine nucleotide biosynthesis in pea (Pisum sativum L. cv Progress No. 9) leaves. Doremus HD.
Arch Biochem Biophys 1986 Oct;250(1):112–9
Immunological analysis of plant mitochondrial NADH dehydrogenases. Cottingham IR, et al. **Biochem J** 1986 May 15;236(1):201–7
Pea (Pisum sativum) diamine oxidase contains pyrroloquinoline quinone as a cofactor. Glatz Z, et al.
Biochem J 1987 Mar 1;242(2):603–6
The control of CTP:choline-phosphate cytidylyltransferase activity in pea (Pisum sativum L.). Price-Jones MJ, et al.
Biochem J 1986 Dec 15;240(3):837–42
Microheterogeneity of lentil seedling (Lens culinaris) amine oxidase. Oratore A, et al. **Ital J Biochem** 1987 Mar-Apr; 36(2):92–101
Purification and properties of beta-D-glucosidase (linamarase) from the butter bean, Phaseolus lunatus. Itoh-Nashida T, et al. **J Biochem (Tokyo)** 1987 Apr; 101(4):847–54

GENETICS

Cloning and identification of lupin nodule specific cDNA sequences. Konieczny A, et al. **Acta Biochim Pol** 1987; 34(1):21–7
Biochemical and genetic comparison of two nitrate reductase-deficient pea mutants disturbed in the cofactor. Jacobsen E, et al. **Biochem Genet** 1987 Feb;25(1-2):143–51
Molecular cloning of a pea H1 histone cDNA. Gantt JS, et al. **Eur J Biochem** 1987 Jul 1;166(1):119–25
Distribution of 5-methylcytosine-rich regions in the polytene chromosomes of Phaseolus coccineus embryo suspensor as shown by the immunoperoxidase technique. Frediani M, et al. **Exp Cell Res** 1986 Dec;167(2):337–42
Structure and expression of pea mitochondrial F1ATPase alpha-subunit gene and its pseudogene involved in homologous recombination. Morikami A, et al.
J Biochem (Tokyo) 1987 Apr;101(4):967–76
Sequence of two regions of pea chloroplast DNA, one with the genes rps14, trnfM and trnG-GCC, and one with the genes trnP-UGG and trnW-CCA. Lehmbeck J, et al.
Nucleic Acids Res 1987 Apr 24;15(8):3630

GROWTH & DEVELOPMENT

Morphology of seedling lentil (Lens culinaris Medic., Fabaceae) as influenced by light intensity and heredity. Nozzolillo C. **Growth** 1986 Autumn;50(3):351–61

IMMUNOLOGY

Allergenic cross-reactions among legume foods—an in vitro study. Barnett D, et al. **J Allergy Clin Immunol** 1987 Mar; 79(3):433–8

METABOLISM

Glycosyltransfer by pea membranes from sugar nucleotides to added prenyl phosphates. Torossian K, et al.
Biochim Biophys Acta 1987 Sep 11;925(3):305–13
The effect of condensed tannins on the site of digestion of amino acids and other nutrients in sheep fed on Lotus corniculatus L. Waghorn GC, et al. **Br J Nutr** 1987 Jan; 57(1):115–26
In vitro synthesis and processing of a bean pathogenesis-related (PR4) protein. De Tapia M, et al.
Eur J Biochem 1987 Aug 3;166(3):559–63
Concentrations of lead, cadmium, mercury and other elements in seeds of Lupinus mutabilis and of other legumes. Gross R, et al.
J Environ Pathol Toxicol Oncol 1987 Jan-Feb;7(3):59–65

MICROBIOLOGY

Competition for nodulation of legumes. Dowling DN, et al.
Annu Rev Microbiol 1986;40:131–57 (234 ref.)
Nodulation of legumes by Rhizobium: the recognized root? Downie JA, et al. **Cell** 1986 Oct 24;47(2):153–4
Nitrogen-fixing nodules induced by Agrobacterium tumefaciens harboring Rhizobium phaseoli plasmids. Martínez E, et al. **J Bacteriol** 1987 Jun;169(6):2828–34
Mutations in Rhizobium phaseoli that lead to arrested development of infection threads. Noel KD, et al.
J Bacteriol 1986 Dec;168(3):1392–401
Involvement of both cellulose fibrils and a Ca2+-dependent adhesin in the attachment of Rhizobium leguminosarum to pea root hair tips. Smit G, et al. **J Bacteriol** 1987 Sep; 169(9):4294–301
Correlation between extracellular fibrils and attachment of Rhizobium leguminosarum to pea root hair tips. Smit G, et al. **J Bacteriol** 1986 Nov;168(2):821–7
Flavonoids induce Rhizobium leguminosarum to produce nodDABC gene-related factors that cause thick, short roots and root hair responses on common vetch. Zaat SA, et al. **J Bacteriol** 1987 Jul;169(7):3388–91

PHYSIOLOGY

Physical association between the peribacteroid membrane and lipopolysaccharide from the bacteroid outer membrane in Rhizobium-infected pea root nodule cells. Bradley DJ, et al. **J Cell Sci** 1986 Sep;85:47–61

POISONING

Poisoning of cattle by hairy or woolly-pod vetch, Vicia villosa subspecies dasycarpa. Peet RL, et al. **Aust Vet J** 1986 Nov;63(11):381–2

RADIATION EFFECTS

Micronucleus induction by low doses of X-rays in Vicia faba root tips. Rizzoni M, et al. **Mutat Res** 1987 Feb; 176(2):205–9

TOXICITY

Liver and muscle proteolytic activity in male growing rats fed a field bean (Vicia faba L.) diet. Santidrian S, et al.
Enzyme 1987;37(3):150–4
Inhibitory effect of cheese and some food constituents on mutagenicity generated in Vicia faba after treatment with nitrite. Jongen WM, et al. **Food Chem Toxicol** 1987 Feb; 25(2):141–5
Laboratory observations on the toxicity of Swartzia madagascariensis (Leguminosae) extract to mosquito larvae. Minjas JN, et al. **Trans R Soc Trop Med Hyg** 1986; 80(3):460–1

LEIGH DISEASE see under **BRAIN DISEASES, METABOLIC**

LEIOMYOMA

Angioleiomyoma [letter] Shapiro AM.
J Am Podiatr Med Assoc 1987 Jul;77(7):374
Uterine leiomyomata—actiology, symptomatology and management. Buttram VC Jr. **Prog Clin Biol Res** 1986; 225:275–96 (40 ref.)
Gastric epithelioid leiomyomatous tumors. Graham SM, et al. **Surg Gynecol Obstet** 1987 Apr;164(4):391–7 (44 ref.)
[Leiomyomatosis peritonealis disseminata] Piura B, et al.
Harefuah 1986 Jun 1;110(11):577–9 (21 ref.) **(Heb)**
[Leiomyomas of the small intestine] Saviano MS, et al.
Minerva Dietol Gastroenterol 1986 Oct-Dec;32(4):403–7 (Eng. Abstr.) **(Ita)**
[Bronchial leiomyoma. Considerations on a clinical case] Fiora L, et al. **Minerva Med** 1986 Sep 15;77(34-35):1539–43 (Eng. Abstr.) **(Ita)**
[Villous tumor of the rectum in a foreign body zone] Domanin AA, et al. **Sov Med** 1986;(11):120–2 **(Rus)**
[Digestive leiomyomas in childhood] López Pereira P, et al.
An Esp Pediatr 1987 Mar;26(3):218–20 (Eng. Abstr.) **(Spa)**

ANALYSIS

Morphometry and cytophotometric assessment of DNA in smooth-muscle tumors (leiomyomas and leiomyosarcomas) of the gastrointestinal tract. Federspiel BH, et al.
Anal Quant Cytol Histol 1987 May;9(2):105–14
Decreased induced retention of the progesterone receptor in the nuclear extract in human uterine leiomyoma in vivo. Gorodeski IG, et al. **Gynecol Obstet Invest** 1987;23(4):241–6
Effect of menstrual cycle on protein expression in human uterine leiomyomas. Shek YH, et al. **Obstet Gynecol** 1987 Jul;70(1):128–33
[Staining of leiomyoma tissue and myoma-derived cultured cells by the enzyme-labelled antibody method—using desmin, vimentin and fibronectin] Otsuka H, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1987 May; 39(5):746–50 (Eng. Abstr.) **(Jpn)**

BLOOD

[Indicators of the kallikrein-kinin system of the blood in uterine myoma] Tserikidze AG, et al. **Sov Med** 1986; (7):33–7 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

[Intravenous myomatosis: a risk factor for women with uterine myomas] Kamiński BT, et al. **Ginekol Pol** 1986 Apr; 57(4):276–9 (17 ref.) (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Urinary retention caused by impaction of leiomyoma in pregnancy. Schwartz Z, et al.
Acta Obstet Gynecol Scand 1986;65(5):525–6
Drug-induced bleeding of gastric leiomyoma. Stalnikowicz R, et al. **Am J Gastroenterol** 1987 May;82(5):419–20
Primary and myoma-associated menorrhagia: role of prostaglandins and effects of ibuprofen. Mäkäräinen L, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):974–8
Aneurysmal hemorrhage of the kidney caused by angioleiomyoma. Vogel J, et al. **Eur Urol** 1986;12(6):438–40
Massive GI bleeding secondary to small bowel lesion: two case reports. Pejic R. **Indiana Med** 1986 Dec;79(12):1050–2
Leiomyoma in Meckel's diverticulum: CT and angiographic studies in one case. Swinnen E, et al. **J Belge Radiol** 1986; 69(5):355–7
Benign prostatic hyperplasia and uterine leiomyomas in a female pseudohermaphrodite: a case report. Heyns CF, et al. **J Urol** 1987 Jun;137(6):1245–7
Diffuse uterine leiomyomatosis: a case study with pregnancy complicated by intrapartum hemorrhage. Grignon DJ, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):477–80
Diagnostic problems in a case of bleeding from ileal leiomyoma. Castagnone D, et al. **Rays** 1986 Jan-Apr; 11(1):55–9
The man who should not have pushed [letter] Teichler MJ.
S Afr Med J 1987 Mar 21;71(6):404
Gastric epithelioid leiomyoma causing intraperitoneal hemorrhage. Edelman DS, et al. **South Med J** 1986 Nov; 79(11):1448–50
[Primary resection of a perforated leiomyoma of the small intestine using glucagon hypotonia] Moshev B.
Khirurgiia (Sofiia) 1987;40(2):52–3 **(Bul)**
[Digestive hemorrhage due to leiomyoma of the small intestine] Attiaoui M, et al. **Tunis Med** 1986 Jun-Jul; 64(6-7):637–40 (Eng. Abstr.) **(Fre)**
[Ruptured pedicled myoma node with hemoperitoneum] Bratschi HU, et al. **Geburtshilfe Frauenheilkd** 1986 Aug; 46(8):547–8 (Eng. Abstr.) **(Ger)**
[Acute urine retention in a large myoma of the perivesical connective tissue] Voigt R, et al. **Zentralbl Gynakol** 1987; 109(9):598–603 (Eng. Abstr.) **(Ger)**
[A case of leiomyoma of the jejunum (letter)] De Sarro U.
Minerva Chir 1987 Feb 28;42(4):351–2 **(Ita)**
[Tuberous sclerosis with intraventricular tumor: report of 2 cases] Fukuoka H, et al. **No Shinkei Geka** 1986 Oct; 14(11):1377–81 (Eng. Abstr.) **(Jpn)**
[Duodenal leiomyoma, a source of an upper digestive hemorrhage] Duca S, et al. **Rev Chir [Chir]** 1987 Mar-Apr; 36(2):139–43 (Eng. Abstr.) **(Rum)**
[Giant uterine myoma in large unreduced postoperative ventral hernia] Endzinas ZhA. **Khirurgiia (Mosk)** 1987 Apr; (4):126–7 **(Rus)**
[Leiomyoma of the stomach as the cause of profuse bleeding] Kul'chinskiĭ PE, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):121 **(Rus)**

CONGENITAL

Congenital generalized multicentric myofibromatosis with orbital involvement. Nasr AM, et al. **Am J Ophthalmol** 1986 Dec 15;102(6):779–87

DIAGNOSIS

Vaginal fibromyomas. A report of two cases. Nikolajsen IL, et al. **Acta Obstet Gynecol Scand** 1987;66(1):83–4
Adenocarcinoma mimicking leiomyoma [letter] Ching CK, et al. **Am J Gastroenterol** 1987 Apr;82(4):392–3
Association of a gravid uterus with a myoma. A case report. Meher C, et al. **Australas Radiol** 1987 Feb;31(1):68–70
A 15-year-old girl with an expansively growing tumour. de Rooy CG, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Sep;22(5-6):373–7
Ultrasonographic evaluation of the wall of the fluid-filled stomach—case report of a leiomyoblastoma. Worlicek H, et al. **Hepatogastroenterology** 1986 Aug;33(4):184–6
Giant leiomyoma of the oesophagus [letter] Mathur SK, et al. **Indian J Gastroenterol** 1987 Apr;6(2):123–4
Leiomyoblastoma of the stomach [letter] Patwari SI, et al.

Indian J Gastroenterol 1987 Apr;6(2):126–7

Angioleiomyoma. A case report and literature review. Genakos JJ, et al. **J Am Podiatr Med Assoc** 1987 Feb; 77(2):101–2

Actinomycotic infection of a fibroid presenting in the puerperium. Carr JV, et al. **J R Coll Surg Edinb** 1987 Feb; 32(1):57–8

Leiomyoma of the urinary bladder presenting with acute urinary retention. Garstin WI, et al. **J R Coll Surg Edinb** 1987 Apr;32(2):106–7

Giant exogastric leiomyoma: a diagnostic pitfall. Harvey CF, et al. **J R Coll Surg Edinb** 1987 Feb;32(1):46–7

Giant leiomyoma of esophagus. Kramer MD, et al. **J Surg Oncol** 1986 Nov;33(3):166–9

Gastric leiomyoma and its manifestations in Nigerians. A series of 10 patients. Osime U, et al. **JPMA** 1986 Jul; 36(7):188–91

Case for diagnosis: leiomyoma with carneous degeneration. Buchino JJ. **Milit Med** 1986 Oct;151(10):553–4

Gastric leiomyoblastoma: report of a case. Kokubo T, et al. **Radiat Med** 1986 Oct–Dec;4(4):124–6

Leiomyomas in pregnancy: sonographic study. Lev-Toaff AS, et al. **Radiology** 1987 Aug;164(2):375–80

Adenomyosis and leiomyoma: differential diagnosis with MR imaging. Mark AS, et al. **Radiology** 1987 May;163(2):527–9

Bladder leiomyoma: advantages of sonography over computed tomography. Illescas FF, et al. **Urol Radiol** 1986; 8(4):216–8

Paraurethral vaginal leiomyoma. Castle WN, et al. **Urology** 1987 Jul;30(1):70–2

Leiomyoma of the trachea. Shah D, et al. **West Indian Med J** 1986 Dec;35(4):327–9

[Disseminated peritoneal leiomyomatosis] Makaveeva V, et al. **Akush Ginekol (Sofiia)** 1987;26(2):46–8 (Eng. Abstr.) **(Bul)**

[Smooth muscle tumors of the alimentary tract—a review of 397 cases] Li TD, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Jul;8(4):287–90 (Eng. Abstr.) **(Chi)**

[Leiomyoma of the iris (apropos of 3 cases)] Hochart G, et al. **Bull Soc Ophtalmol Fr** 1986 Feb;86(2):161–2 (Eng. Abstr.) **(Fre)**

[Leiomyoma—a rare tumor in the urogenital area] Andersen C. **Z Arztl Fortbild (Jena)** 1986;80(22):943 **(Ger)**

[Significance of diathermic biopsy in the diagnosis of submucosal mesenchymal gastric tumors] Kiss H, et al. **Orv Hetil** 1986 Aug 31;127(35):2137–9 (Eng. Abstr.) **(Hun)**

[Diagnostic significance of serum PSTI in patients with gynecologic malignancies] Shimizu Y, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(11):3280–2 **(Jpn)**

[A case of renal leiomyoma] Odajima K, et al. **Hinyokika Kiyo** 1987 Feb;33(2):229–32 (Eng. Abstr.) **(Jpn)**

[Leiomyoma of the nose and paranasal sinuses] Laciak J, et al. **Otolaryngol Pol** 1986;40(3):202–5 (Eng. Abstr.) **(Pol)**

[A case of leiomyoma of the small intestine with intussusception] Janczewska I, et al. **Pol Tyg Lek** 1987 Apr 13;42(15):446–8 (Eng. Abstr.) **(Pol)**

[Clinico-morphological characteristics of bleeding leiomyomas of the small intestine] Zaitsev VT, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):59–62 (Eng. Abstr.) **(Rus)**

[Benign tumors of the esophagus. Esophageal leiomyoma] Gutiérrez MT, et al. **Rev Esp Oncol** 1985;32(2):307–14 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Regression of uterine leiomyomas after treatment with gestrinone, an antiestrogen, antiprogesterone. Coutinho EM, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):761–7

Monthly implant of luteinizing hormone-releasing hormone agonist: a practical therapeutic approach for sex-steroid dependent gynecologic diseases. Lemay A. **Fertil Steril** 1987 Jul;48(1):10–2

Use of intranasal luteinizing hormone-releasing hormone agonist in uterine leiomyomas. Maheux R, et al. **Fertil Steril** 1987 Feb;47(2):229–33

Treatment of leiomyomata uteri with D-Trp6-luteinizing hormone-releasing hormone. Perl V, et al. **Fertil Steril** 1987 Sep;48(3):383–9

Shrinkage of uterine fibroids during therapy with goserelin (Zoladex): a luteinizing hormone-releasing hormone agonist administered as a monthly subcutaneous depot. West CP, et al. **Fertil Steril** 1987 Jul;48(1):45–51

Uterine fibroids: medical treatment or surgery? [editorial] **Lancet** 1986 Nov 22;2(8517):1197

Rapid reduction of uterine myomas after short-term treatment with microencapsulated D-Trp6-LHRH [letter] van Leusden HA. **Lancet** 1986 Nov 22;2(8517):1213

Uterine leiomyoma: treatment with LHRH agonist. Maheux R, et al. **Prog Clin Biol Res** 1986;225:297–311

Uterine leiomyoma and LHRH agonist treatment. A preliminary report. Rolland R, et al. **Prog Clin Biol Res** 1986;225:313–20

ENZYMOLOGY

An immunoglobulin G inhibiting lactate dehydrogenase activity. Hirano T, et al. **Clin Chim Acta** 1986 Aug 30; 159(1):17–25

Activities in leiomyomas and myometrium of enzymes involved in energy metabolism. Herrmann U Jr, et al. **Gynecol Obstet Invest** 1987;23(3):194–9

ETIOLOGY

Risk factors for uterine fibroids [letter] La Vecchia C, et al. **Br Med J [Clin Res]** 1986 Sep 27;293(6550):821

[The pathogenesis of uterine myomas] Savitskiĭ GA, et al. **Vestn Akad Med Nauk SSSR** 1987;(1):62–8 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Leiomyosarcomas and benign smooth muscle tumors of the stomach: nuclear DNA patterns studied by flow cytometry. Tsushima K, et al. **Mayo Clin Proc** 1987 Apr;62(4):275–80

[Familial esophageal leiomyomatosis associated with Alport's syndrome in a 9-year-old boy] Roussel B, et al. **Helv Paediatr Acta** 1986 Oct;41(4):359–68 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

The effect of hysterectomy on serum CA 125 levels in patients with adenomyosis and uterine fibroids. Halila H, et al. **Hum Reprod** 1987 Apr;2(3):265–6

METABOLISM

Oestrogen and progesterone receptor concentrations in leiomyoma and normal myometrium. Sadan O, et al. **Ann Clin Biochem** 1987 May;24 (Pt 3):263–7

DDT and its metabolites in leiomyomatous and normal human uterine tissue. Saxena SP, et al. **Arch Toxicol** 1987 Apr;59(6):453–5

Characterization of the nuclear progesterone receptor in human uterine leiomyoma. Gorodeski IG, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Oct;23(1–2):91–9

Two types of nuclear oestradiol binding sites in human myometrium and leiomyoma during the menstrual cycle. Környei J, et al. **Exp Clin Endocrinol** 1986 Aug; 87(3):256–64

[Estrogen receptor and transfer RNA (tRNA) in women with uterine myoma] Baranowski W. **Ginekol Pol** 1986 Oct; 57(10):662–4 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Tumors of the small intestine. Report of 131 cases and review of 1,024 cases in the literature. Dong HJ, et al. **Chin Med J [Engl]** 1986 Feb;99(2):91–6

Leiomyoma of the bladder. Knoll LD, et al. **J Urol** 1986 Oct;136(4):906–8

PATHOLOGY

Plexiform leiomyoma in endometrial curettings. Bychkov V. **Acta Obstet Gynecol Scand** 1986;65(8):877–8

Bizarre leiomyoblastoma of the cervix uteri. Immunohistochemical and ultrastructural study. Ito H, et al. **Acta Pathol Jpn** 1986 Nov;36(11):1737–45

Intravenous leiomyomatosis of the uterus and pelvis presenting as a cardiac tumor. Garcia FA, et al. **Ann Thorac Surg** 1986 Dec;42(6 Suppl):S41–3

Giant leiomyoma of the prostate. Regan JB, et al. **Arch Pathol Lab Med** 1987 Apr;111(4):381–2

Massive leiomyoblastoma of the stomach. Wolf JS. **Arch Surg** 1968 Feb;96(2):284–8

Smooth muscle tumours of the upper gastrointestinal tract. Senewiratne S, et al. **Aust NZ J Surg** 1987 May; 57(5):299–302

Large leiomyoma of prostate. Muzafer MH. **Br J Urol** 1987 Feb;59(2):192–3

Gastric duplication cyst simulating leiomyoma. Chen YM, et al. **Gastrointest Endosc** 1987 Jun;33(3):250–2

Angioleiomyoma of the lip. Terui T, et al. **Int J Dermatol** 1987 Mar;26(2):119–20

Gastric leiomyosarcoma: a clinicopathologic study. Abbas JS, et al. **Int Surg** 1986 Jul–Sep;71(3):176–81

Vascular tumor in the heart. Schlosser V, et al. **J Cardiovasc Surg (Torino)** 1987 Mar–Apr;28(2):132–4

Vascular leiomyoma in the hand. Duinslaeger L, et al. **J Hand Surg [Am]** 1987 Jul;12(4):624–7

Tonsillar leiomyoma. Greenberg E, et al. **J Laryngol Otol** 1987 Jun;101(6):619–23

Leiomyoma of the omentum in a child. O'Brien JG, et al. **J Pediatr Surg** 1986 Nov;21(11):981–2

Meigs' syndrome and pseudo-Meigs' syndrome. O'Flanagan SJ, et al. **J R Soc Med** 1987 Apr;80(4):252–3

Leiomyomatosis peritonealis disseminata. A case report and literature review. Minassian SS, et al. **J Reprod Med** 1986 Oct;31(10):997–1000 (20 ref.)

Leiomyoma of the anal canal: report of two cases. Witz M, et al. **J Surg Oncol** 1986 Oct;33(2):106–8

Immunohistochemical identification of mesenchymal tumors of the gastrointestinal tract. Paternó E, et al. **Medicina (B Aires)** 1986;46(6):657–61

Mandibular vascular leiomyoma. McMillan MD, et al. **Oral Surg Oral Med Oral Pathol** 1986 Oct;62(4):427–33

Leiomyoma of the esophagus. Preda F, et al. **Tumori** 1986 Oct 31;72(5):503–6

Leiomyoma of the bladder. Wenz W, et al. **Urol Radiol** 1986; 8(2):114–7

[A case of large retroperitoneal fibroleiomyoma] Iarumov N, et al. **Khirurgiia (Sofiia)** 1987;40(2):43–4 **(Bul)**

[A case of smooth-muscle soft-tissue tumors] Viiachki I, et al. **Khirurgiia (Sofiia)** 1986;39(4):65–6 **(Bul)**

[Nailfold microcirculation in uterine myoma. Analysis of 61 cases] Zhao HF. **Chung Hai I Chieh Ho Tsa Chih** 1987 Feb;7(2):86–8, 69 (Eng. Abstr.) **(Chi)**

[Multiple leiomyosarcoma of the small intestine] Dušková J. **Cesk Patol** 1986 Aug;22(3):165–8 (Eng. Abstr.) **(Cze)**

[Disseminated peritoneal leiomyomatosis associated with endometriosis. Apropos of a case] Dauge MC, et al. **Ann Pathol** 1986;6(3):221–4 (Eng. Abstr.) **(Fre)**

[Muscular tumors of the esophagus. Apropos of 9 cases and review of the literature] Domergue J, et al. **J Chir (Paris)** 1986 Oct;123(10):555–8 (Eng. Abstr.) **(Fre)**

[Free tumors of the peritoneum. Review of the literature apropos of a case] Pissas A, et al. **J Chir (Paris)** 1987 Apr; 124(4):258–62 (Eng. Abstr.) **(Fre)**

[Fibromyomatosis associated with endometriosis (apropos of 23 cases)] Bekkay M, et al. **Maroc Med** 1986 Dec; 8(4):438–43 (Eng. Abstr.) **(Fre)**

[A case of septic necrobiosis in leiomyoma of the uterus in the postpartum period. Clinical, echographic and x-ray computed tomography study] Tribalat S, et al. **Rev Fr Gynecol Obstet** 1986 Jun–Jul;81(6–7):385–8 (Eng. Abstr.) **(Fre)**

[Leiomyoma of the small intestine. Apropos of 2 cases] Fodha M, et al. **Tunis Med** 1986 Jun–Jul;64(6–7):631–6 (Eng. Abstr.) **(Fre)**

[Proliferating glomus tumors of the angiomyomatous type] Leu HJ, et al. **Pathologe** 1987 Jul;8(4):201–6 **(Ger)**

[Lung involvement in Bourneville-Pringle disease] Seitz G, et al. **Pathologe** 1986 Sep;7(5):298–301 **(Ger)**

[Myoma of the ligamentum teres uteri] Tischendorf D. **Zentralbl Gynakol** 1987;109(5):314–5 **(Ger)**

[Smooth muscle tumor of the gastrointestinal tract with liver metastases and hypercalcemia (clinical conference)] **Harefuah** 1986 Sep;111(5–6):154–8 **(Heb)**

[Tumors of the smooth muscles of the uterus with epithelioid and star-like sclerotic appearance] Baglioni A, et al. **Ann Ostet Ginecol Med Perinat** 1986 Nov–Dec; 107(6):344–51 (Eng. Abstr.) **(Ita)**

[Intravenous leiomyomatosis with intracardiac extension. Clinical aspects and diagnostic problems] Paparoni S, et al. **Cardiologia** 1986 Mar;31(3):231–4 (Eng. Abstr.) **(Ita)**

[Giant leiomyoma of the parametrium. Presentation of a clinical case] Saccia A, et al. **Minerva Chir** 1986 Oct 15; 41(19):1645–50 (Eng. Abstr.) **(Ita)**

[Establishment of primary culture of cells derived from uterine leiomyoma] Otsuka H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Feb;39(2):271–8 (Eng. Abstr.) **(Jpn)**

[A case of multiple leiomyoma of the peritoneum] Balitskiĭ EV. **Arkh Patol** 1986;48(10):68–9 (Eng. Abstr.) **(Rus)**

[Leiomyoma of the stomach] Kirichenko BB, et al. **Klin Khir** 1987;(2):57 **(Rus)**

[Exophytically growing leiomyoma of the stomach as a cause of gastric hemorrhage] Kovalenko IV. **Klin Khir** 1987; (5):42 **(Rus)**

[Case of nonorganic retroperitoneal leiomyoma] Kuriĭ MF. **Vrach Delo** 1986 Oct;(10):87–8 **(Rus)**

[Leiomyoma of the epididymis] Puyol M, et al. **Actas Urol Esp** 1986 Sep–Oct;10(5):385–8 (Eng. Abstr.) **(Spa)**

[Leiomyoma of the scrotum: presentation of 2 cases] Palacios J, et al. **Arch Esp Urol** 1987 Jan–Feb;40(1):45–7 (Eng. Abstr.) **(Spa)**

[Gastric epithelioid leiomyomas (leiomyoblastomas)] Bellón Caneiro JM, et al. **Rev Esp Enferm Apar Dig** 1987 May; 71(5):431–5 (Eng. Abstr.) **(Spa)**

[Gastric leiomyoblastomas] Manuel Palazuelos JC, et al. **Rev Esp Enferm Apar Dig** 1987 Jun;71(6):494–8 (Eng. Abstr.) **(Spa)**

[Leiomyomatous tumors of the digestive tract. Etiologic factors, criteria of malignancy and clinical study] Martínez Rodríguez E, et al. **Rev Esp Enferm Apar Dig** 1986 Dec; 70(6):529–35 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Assessment of treatment for painful cutaneous leiomyomas [letter] Archer CB, et al. **J Am Acad Dermatol** 1987 Jul; 17(1):141–2

[Current methods of urologic examination of patients with uterine myoma] Zurabiani ZR, et al. **Akush Ginekol (Mosk)** 1986 Sep;(9):8–11 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

The tumour. Jones M. **Can Med Assoc J** 1986 Oct 15; 135(8):912

Denial of illness: a reappraisal. Douglas CJ, et al. **Gen Hosp Psychiatry** 1987 Jan;9(1):53–7

RADIOGRAPHY

Low-dose digital urography in the pregnant patient. Albert SA, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):926–8

Miliary pattern as presentation of leiomyomatosis of the lung. Lipton JH, et al. **Chest** 1987 May;91(5):781–2

Case report 421: Calcified leiomyoma of the soft tissues of the right buttock. Lubbers PR, et al. **Skeletal Radiol** 1987; 16(3):252–6

[X-ray computed tomographic aspect of gastric leiomyoma. Apropos of a case] Davy-Miallou C, et al. **J Radiol** 1987

Jan;68(1):61–3 (Eng. Abstr.) (Fre)
[Fascicular leiomyoma of the esophagus] Nicolas VV, et al. **ROFO** 1987 Jan;146(1):101–3 (Ger)
[Leiomyoma in the B II stomach remnant] Mildenberger P, et al. **Rontgenblatter** 1986 Nov;39(11):330–2 (Eng. Abstr.) (Ger)
[Leiomyoma of the small intestine] Zanella FE, et al. **Rontgenblatter** 1986 Sep;39(9):255–7 (Eng. Abstr.) (Ger)
[Differential diagnosis of myoma uteri by computed tomography] Fujisawa H, et al. **Rinsho Hoshasen** 1987 Apr; 32(4):515–9 (Eng. Abstr.) (Jpn)
[Large leiomyoma of the esophagus] Ambalov GA. **Grudn Khir** 1987 Mar–Apr;(2):89–90 (Rus)

RADIONUCLIDE IMAGING

Ileal leiomyosarcoma and leiomyoma. False-positive scintiscans for Meckel's diverticulum. Dunn EK, et al. **Clin Nucl Med** 1987 Jun;12(6):440–4
Technetium-99m RBC scintigraphy in the evaluation of small bowel leiomyoma. McDonald KL. **Clin Nucl Med** 1987 Feb;12(2):131–3

SECONDARY

Benign metastasizing leiomyoma. Winkler TR, et al. **Ann Thorac Surg** 1987 Jan;43(1):100–1
Utilization of luteinizing hormone-releasing hormone agonist in pulmonary leiomyomatosis. Maheux R, et al. **Fertil Steril** 1987 Aug;48(2):315–7
Intravascular leiomyomatosis: report of a case and review of the literature. Stegmann T, et al. **Thorac Cardiovasc Surg** 1987 Jun;35(3):157–60
[Multiple leiomyomatous pulmonary nodules in women. Apropos of 2 cases of metastasizing benign leiomyoma] Carnot F, et al. **Rev Pneumol Clin** 1987;43(3):131–7 (Eng. Abstr.) (Fre)
[Case report of disseminated peritoneal leiomyomatosis] Löttge M, et al. **Zentralbl Gynakol** 1987;109(7):459–62 (Eng. Abstr.) (Ger)

SURGERY

Methodical intrauterine resection. Hallez JP, et al. **Am J Obstet Gynecol** 1987 May;156(5):1080–4
Thoracotomy for esophageal leiomyomas. Preoperative, intraoperative, and postoperative care. Fox V, et al. **AORN J** 1987 May;45(5):1136–47
The management of prolapsed submucous fibroids. Dicker D, et al. **Aust NZ J Obstet Gynaecol** 1986 Nov;26(4):308–11
Intrabronchial leiomyoma treated by localized resection via bronchotomy and bronchoplasty. Yamada H, et al. **Chest** 1987 Feb;91(2):283–5
Indications and results of total hysterectomy. Chrysikopoulos A, et al. **Int Surg** 1986 Jul–Sep; 71(3):188–94
Giant myometrial cyst: report of a case. Lee SS, et al. **Iowa Med** 1987 Jan;77(1):24–6
Goserelin therapy before surgery for uterine fibroids [letter] Lumsden MA, et al. **Lancet** 1987 Jan 3;1(8523):36–7
Microsurgical laser technique for abdominal myomectomy. Reyniak JV, et al. **Microsurgery** 1987;8(2):92–8
Transcervical resection of submucous myoma. Lin BL, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Sep; 38(9):1647–52
Smooth muscle tumours of the oesophagus. Ala-Kulju K, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(1):65–8
[Gynecological operations with artificial cardiac pacing: report of 2 cases] Xu ZB. **Chung Hua Fu Chan Ko Tsa Chih** 1987 Jan;22(1):22–3, 62 (Eng. Abstr.) (Chi)
[Leiomyoma of the duodenum. Apropos of a case report and review of the literature] Dziri C, et al. **Ann Chir** 1986 Dec; 40(9):657–61 (Eng. Abstr.) (Fre)
[Spontaneous splenic rupture as a cause of postoperative hemorrhage] Heidenreich W, et al. **Geburtshilfe Frauenheilkd** 1986 Dec;46(12):910–1 (Eng. Abstr.) (Ger)
[A case of bizarre leiomyoma of the duodenum] Buscema C, et al. **Ann Ital Chir** 1985;57(6):475–84 (Eng. Abstr.) (Ita)

THERAPY

Vaginal removal of the pedunculated submucous myoma: the use of laminaria. Goldrath MH. **Obstet Gynecol** 1987 Oct; 70(4):670–2
[Chronic uterine inversion treated by a traditional method of African folk medicine] Vasilev D. **Akush Ginekol (Sofiia)** 1986;25(5):81–3 (Eng. Abstr.) (Bul)
[Conservative procedures in 64 pregnant patients with myoma: the course of pregnancy, labor, and the puerperium] Döring GK, et al. **Geburtshilfe Frauenheilkd** 1987 Jan;47(1):26–9 (Eng. Abstr.) (Ger)

ULTRASTRUCTURE

Leiomyoepithelioma of iris pigment epithelium. Li ZY, et al. **Arch Ophthalmol** 1987 Jun;105(6):819–24
A transmission electron microscopic study of two cases of oral smooth muscle neoplasm. Kawakami T, et al. **J Oral Maxillofac Surg** 1987 Jun;45(6):551–5
Granular cell myoma and schwannoma: fine structural and immunohistochemical study. Abenoza P, et al. **Ultrastruct Pathol** 1987;11(1):19–28
[Ultrastructure and relations between cells in the myometrium and in myomas of the human uterus] Skopichev VG, et al. **Arkh Anat Gistol Embriol** 1987 Jun; 92(6):49–55 (Eng. Abstr.) (Rus)

VETERINARY

Colic in two horses associated with smooth muscle intestinal tumours. Livesey MA, et al. **Equine Vet J** 1986 Jul; 18(4):334–7
Leiomyoma of the iris in a Sprague–Dawley rat. Owen RA, et al. **J Comp Pathol** 1987 Mar;97(2):227–9
Immunohistochemical demonstration of desmin in canine smooth muscle tumors. Andreasen CB, et al. **Vet Pathol** 1987 May;24(3):211–5

LEIOMYOSARCOMA

Leiomyosarcoma of the broad ligament—report of a case. Shimm DS, et al. **Gynecol Oncol** 1987 Jan;26(1):123–6
[Esophageal leiomyosarcoma in a patient with synchronous renal carcinoma] Orel J, et al. **Acta Chir Iugosl** 1985; 32(2):213–21 (Eng. Abstr.) (Slo)

ANALYSIS

Morphometry and cytophotometric assessment of DNA in smooth-muscle tumors (leiomyomas and leiomyosarcomas) of the gastrointestinal tract. Federspiel BH, et al. **Anal Quant Cytol Histol** 1987 May;9(2):105–14

CHEMICALLY INDUCED

Thorotrast-associated hepatic leiomyosarcoma and cholangiocarcinoma in a single patient. Shurbaji MS, et al. **Hum Pathol** 1987 May;18(5):524–6

COMPLICATIONS

Pleurodesis in metastatic pneumothorax. Rammohan G, et al. **Chest** 1986 Dec;90(6):918–9
Leser-Trélat sign associated with leiomyosarcoma of the stomach. Horiuchi Y, et al. **Int J Dermatol** 1986 Sep; 25(7):463–4
Primary leiomyosarcoma of bone. A case report and review of the literature. Eady JL, et al. **J Bone Joint Surg [Am]** 1987 Feb;69(2):287–9
An unusual cause of haemoperitoneum. A case report. Winters Z, et al. **S Afr Med J** 1987 Apr 4;71(7):464–5
[Association of chronic lymphoid leukemia and leiomyosarcoma. Role of chlorambucil in therapy] Blanc P, et al. **Rev Med Interne** 1987 May–Jun;8(3):307–9 (Fre)
[Leiomyosarcoma of Meckel's diverticulum] Khakimov SP, et al. **Klin Khir** 1987;(5):44 (Rus)
[Primary leiomyosarcoma of the duodenum. Apropos of 2 cases with different presenting forms] Sánchez García P, et al. **Rev Esp Enferm Apar Dig** 1987 Apr;71(4):331–2 (Eng. Abstr.) (Spa)

DIAGNOSIS

Asymptomatic leiomyosarcoma of the inferior vena cava. Incidental finding at ultrasonography. Cederlund CG, et al. **Acta Radiol** 1987 Mar–Apr;28(2):181–3
Leiomyosarcoma of the portal vein. Wilson SR, et al. **AJR** 1987 Jul;149(1):183–4
Leiomyosarcoma of the popliteal vein [letter] Kaufman JL. **Arch Surg** 1987 Jan;122(1):119
CT and MR demonstration of leiomyosarcoma of inferior vena cava. van Zanten TE, et al. **J Comput Assist Tomogr** 1987 Jul–Aug;11(4):670–4
An unusual anatomic location of pancreatic masses. Abiri MM, et al. **J Ultrasound Med** 1986 Dec;5(12):703–5
Leiomyosarcoma of the inferior vena cava. Ultrasonographic appearance. Bousquet JC, et al. **J Ultrasound Med** 1987 Jan;6(1):7–12
Primary leiomyosarcoma of bone. A clinical, radiographic, pathologic-anatomic, and prognostic study of 16 cases. Berlin O, et al. **Skeletal Radiol** 1987;16(5):364–76 (56 ref.)
[Smooth muscle tumors of the alimentary tract—a review of 397 cases] Li TD, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Jul;8(4):287–90 (Eng. Abstr.) (Chi)
[Primary leiomyosarcoma of the renal vein] Farges O, et al. **Ann Chir** 1986 Oct;40(7):493–7 (Eng. Abstr.) (Fre)
[Abdominopelvic recurrence of leiomyosarcoma. Echographic aspects apropos of 19 cases] Capelle J, et al. **J Radiol** 1986 Aug–Sep;67(8–9):601–4 (Eng. Abstr.) (Fre)
[Leiomyosarcomas of the inferior vena cava] Goze A, et al. **J Radiol** 1986 Dec;67(12):897–910 (Eng. Abstr.) (Fre)
[Leiomyosarcoma of the inferior vena cava (letter)] Renoux E, et al. **Presse Med** 1987 Jan 24;16(2):81 (Fre)
[Leiomyosarcoma of the small intestine. Presentation of a case and general considerations] Levis P, et al. **Minerva Chir** 1986 Jul 31;41(13–14):1223–8 (Eng. Abstr.) (Ita)
[Leiomyosarcoma of the colon. Review of the literature and presentation of a case] Tristaino B, et al. **Minerva Chir** 1986 Sep 30;41(17–18):1515–20 (Eng. Abstr.) (Ita)
[Role of ultrasonography in the diagnosis of non-epithelial neoplasms of the stomach. Considerations apropos of 2 cases] Nardi P, et al. **Radiol Med (Torino)** 1986 Dec; 72(12):977–8 (Ita)
[A case of leiomyosarcoma of the prostate] Ito Y, et al. **Hinyokika Kiyo** 1986 Oct;32(10):1527–31 (Eng. Abstr.) (Jpn)
[A case of large jejunal leiomyosarcoma with specific diagnostic images] Suwa A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct;83(10):2232–7 (Jpn)
[A case of renal leiomyosarcoma] Hirao K, et al. **Rinsho Hoshasen** 1986 Jul;31(7):857–60 (Eng. Abstr.) (Jpn)
[Sarcoma of the duodenum] Anisimov AK, et al. **Vestn Rentgenol Radiol** 1986 Sep–Oct;(5):82–3 (Rus)
[Renal leiomyosarcoma] Hernández Fernández C, et al. **Actas Urol Esp** 1986 Sep–Oct;10(5):377–80 (Eng. Abstr.) (Spa)

DRUG THERAPY

Hepatic intra-arterial adriamycin in metastatic leiomyosarcoma: exploiting the steep dose-response curve. Khansur T, et al. **J Surg Oncol** 1987 Sep;36(1):76–9
[Combination chemotherapy CYVADIC and adriamycin (injected intratumorally) result in a partial response for six months in uterine sarcoma recurrence] Higashijima H, et al. **Igaku Kenkyu** 1986 Jun;56(2):77–84 (Eng. Abstr.) (Jpn)

ETIOLOGY

Radiation-induced leiomyosarcoma of the great vessels presenting as superior vena cava syndrome. Weiss KS, et al. **Cancer** 1987 Sep 15;60(6):1238–42

FAMILIAL & GENETIC

Leiomyosarcomas and benign smooth muscle tumors of the stomach: nuclear DNA patterns studied by flow cytometry. Tsushima K, et al. **Mayo Clin Proc** 1987 Apr;62(4):275–80

METABOLISM

Accumulation of globotriaosylceramide in a case of leiomyosarcoma. Li SC, et al. **Biochem J** 1986 Dec 15; 240(3):925–7

OCCURRENCE

[Malignant tumors of the stomach: apropos of 583 anatomo-clinical cases] Chadli A, et al. **Arch Inst Pasteur Tunis** 1986 Dec;63(4):457–76 (Eng. Abstr.) (Fre)

PATHOLOGY

Myxoid sarcoma arising from the pulmonary trunk. Atari E, et al. **Acta Pathol Jpn** 1987 Feb;37(2):315–22
Primary leiomyosarcoma of bone. A case report and review of the literature. Kameda N, et al. **Acta Pathol Jpn** 1987 Feb;37(2):291–303
Leiomyosarcoma of the spermatic cord. A case report and a brief review of literature. Kinjo M, et al. **Acta Pathol Jpn** 1986 Jun;36(6):929–34
Gastric epithelioid leiomyosarcoma [letter] Fischer MG, et al. **Am J Gastroenterol** 1987 Sep;82(9):917–8
Uterine sarcoma: an analysis of 74 cases. Covens AL, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):370–4
Epithelioid leiomyosarcoma of the stomach. A case study of the intermediate filaments. Suster S, et al. **Am J Surg Pathol** 1987 Jul;11(7):575–80
Retrovesical myxoid leiomyosarcoma. Plous RH, et al. **Arch Pathol Lab Med** 1986 Dec;110(12):1194–6
Myxoid leiomyosarcoma of the urinary bladder. Young RH, et al. **Arch Pathol Lab Med** 1987 Apr;111(4):359–62
Smooth muscle tumours of the upper gastrointestinal tract. Senewiratne S, et al. **Aust NZ J Surg** 1987 May; 57(5):299–302
Catheter suction biopsy in diagnosis of an intrapulmonary artery tumor. Talley JD, et al. **Cathet Cardiovasc Diagn** 1986;12(6):411–3
Leiomyosarcoma of the rectum. Report of two cases illustrating an unusual presentation and the need for repeated biopsy. Berridge DC. **Dis Colon Rectum** 1987 Sep; 30(9):721–2
Ovarian pure leiomyosarcoma: case report. Cortés J, et al. **Eur J Gynaecol Oncol** 1987;8(1):19–22
Sarcoma of the uterine cervix: clinicopathologic findings in three cases. Abdul-Karim FW, et al. **Gynecol Oncol** 1987 Jan;26(1):103–11
Carney's triad: gastric leiomyosarcoma, pulmonary chondroma and extra-adrenal paraganglioma in young females. Raafat F, et al. **Histopathology** 1986 Dec; 10(12):1325–33
Leiomyosarcoma of the uterus with giant cells resembling osteoclasts. Marshall RJ, et al. **Int J Gynecol Pathol** 1986; 5(3):260–8
Gastric leiomyosarcoma: a clinicopathologic study. Abbas JS, et al. **Int Surg** 1986 Jul–Sep;71(3):176–81
Gastric leiomyosarcoma: report of a case. McGarrigle RD, et al. **J Am Osteopath Assoc** 1987 Jul;87(7):496–9
Case 62: expansile radiolucent lesion of the mandible [clinical conference] Bass B, et al. **J Oral Maxillofac Surg** 1986 Oct; 44(10):799–803
Leiomyosarcoma of the maxilla. Nishi M, et al. **J Oral Maxillofac Surg** 1987 Jan;45(1):64–8

Coexisting leiomyosarcoma and transitional cell carcinoma of the urinary bladder. Chen KT. **J Surg Oncol** 1986 Sep; 33(1):36–7

Primary leiomyosarcoma in the breast. Yamashina M. **Jpn J Clin Oncol** 1987 Mar;17(1):71–7

Immunohistochemical identification of mesenchymal tumors of the gastrointestinal tract. Paternó E, et al. **Medicina (B Aires)** 1986;46(6):657–61

Vascular leiomyosarcoma—a report of two cases [letter] van Gulik TM, et al. **Neth J Surg** 1987 Apr;39(2):72–3

Biological characteristics of a human uterine leiomyosarcoma cell line,particularly its heterotransplantability and effect on the proliferation of vascular endothelial cells. Ishiwata I, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 May; 39(5):853–8

Leiomyosarcomas in childhood: a clinical and pathologic study of 10 cases. Lack EE. **Pediatr Pathol** 1986; 6(2–3):181–97

Leiomyosarcoma of ligamentum teres of liver: case report. Tomaszewski MM, et al. **Pediatr Pathol** 1986;5(2):147–56

Leiomyosarcoma of kidney. Rakowsky E, et al. **Urology** 1987 Jan;29(1):68–70

[Clinicopathologic manifestations in 2 cases of primary leiomyosarcoma of the liver] Peng QF, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Mar;18(1):90–2 (Eng. Abstr.) **(Chi)**

[Primary leiomyosarcoma of the bladder (letter)] Elbers JR, et al. **Ned Tijdschr Geneeskd** 1986 Sep 6;130(36):1616 **(Dut)**

[Peripheral vascular leiomyosarcomas. Apropos of 2 cases] Gaudemar M, et al. **Ann Pathol** 1987;7(1):56–63 (Eng. Abstr.) **(Fre)**

[Malignant leiomyoblastoma of the stomach (epithelioid leiomyosarcoma)] Galifer RB, et al. **Chir Pediatr** 1987; 28(2):120–4 (Eng. Abstr.) **(Fre)**

[Primary pulmonary leiomyosarcoma. Review of the literature apropos of a case] Defraigne JO, et al. **J Chir (Paris)** 1987 Apr;124(4):272–5 (Eng. Abstr.) **(Fre)**

[Muscular tumors of the esophagus. Apropos of 9 cases and review of the literature] Domergue J, et al. **J Chir (Paris)** 1986 Oct;123(10):555–8 (Eng. Abstr.) **(Fre)**

[Pseudodiverticular aspect of leiomyosarcoma of the small intestine: apropos of a case] Saad H, et al. **J Med Liban** 1986;36(4):151–3 **(Fre)**

[Leiomyosarcoma of the inferior vena cava. Diagnosis—therapy—prognosis] Friedrich M, et al. **Radiologe** 1987 Jan;27(1):36–42 (Eng. Abstr.) **(Ger)**

[Leiomyosarcoma of the inferior vena cava] Wicky B, et al. **Vasa** 1987;16(2):179–85 (Eng. Abstr.) **(Ger)**

[Leiomyosarcoma of the urethrovesicovaginal septum] Jende W, et al. **Zentralbl Gynakol** 1986;108(23):1453–6 (Eng. Abstr.) **(Ger)**

[Primary leiomyosarcoma of the skin] Alessi E, et al. **G Ital Dermatol Venereol** 1986 Nov–Dec;121(6):435–8 (Eng. Abstr.) **(Ita)**

[Leiomyosarcoma of the bladder. Presentation of a case and review of the literature] Zaroli A, et al. **Pathologica** 1986 Mar–Apr;78(1054):227–35 (Eng. Abstr.) **(Ita)**

[Leiomyosarcoma of the prostate: a case report] Okuno H, et al. **Hinyokika Kiyo** 1987 Jan;33(1):117–24 (Eng. Abstr.) **(Jpn)**

[Spontaneous rupture of renal leiomyosarcoma: report of a case] Yoshikawa M, et al. **Hinyokika Kiyo** 1986 Sep; 32(9):1282–7 (Eng. Abstr.) **(Jpn)**

[A case of left atrial leiomyosarcoma] Miki H, et al. **Kokyu To Junkan** 1987 Feb;35(2):203–7 (Eng. Abstr.) **(Jpn)**

[Histopathologic prognostic indicators in leiomyosarcoma of the uterine body] Czerwiński W, et al. **Patol Pol** 1986 Jul–Sep;37(3):205–13 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Primary right ventricular leiomyosarcoma producing outflow tract obstruction. Talley JD, et al. **Am Heart J** 1986 Dec; 112(6):1335–8

RADIOGRAPHY

The radiology of sarcomas and sarcomatoid carcinomas of the kidney. Mucci B, et al. **Clin Radiol** 1987 May; 38(3):249–54

Case report 392: Primary leiomyosarcoma (LMS) of the mandible. Hilpert PL, et al. **Skeletal Radiol** 1986; 15(7):570–4

Primary leiomyosarcoma of the lung presenting with a persistent pneumothorax. Capewell S, et al. **Thorax** 1986 Aug;41(8):649–50

[X-ray computed tomographic diagnosis of connective tissue tumors of the stomach of extrinsic development. Apropos of 6 cases] Lemaitre G, et al. **J Radiol** 1987 Jan;68(1):5–11 (Eng. Abstr.) **(Fre)**

[Radiologic diagnosis of leiomyosarcomas of the renal vein: the role of angiography. A review of the literature apropos of 2 new cases] Martin B, et al. **J Radiol** 1986 Nov; 67(11):789–95 (Eng. Abstr.) **(Fre)**

[Computed tomographic diagnosis and differential diagnosis of leiomyosarcoma of the inferior vena cava] Schmid P, et al. **ROFO** 1987 Mar;146(3):263–6 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Ileal leiomyosarcoma and leiomyoma. False-positive scintiscans for Meckel's diverticulum. Dunn EK, et al. **Clin Nucl Med** 1987 Jun;12(6):440–4

Detection of small bowel leiomyosarcoma during a Meckel's scan. Moote D, et al. **Clin Nucl Med** 1987 Feb;12(2):152

SECONDARY

Soft tissue sarcoma: two cases of solitary lung metastasis more than 15 years after diagnosis. Going JJ, et al. **Clin Radiol** 1986 Nov;37(6):579–81

Surgical resection of giant metastatic leiomyosarcoma of the heart. Moreno-Cabral RJ, et al. **J Thorac Cardiovasc Surg** 1987 Sep;94(3):447–9

SURGERY

Gastric epithelioid leiomyosarcoma: a curable gastric neoplasm. Graham SM, et al. **Am J Gastroenterol** 1987 Jan; 82(1):82–5

Cutaneous leiomyosarcoma: case reports and review of the literature. Chow J, et al. **Ann Plast Surg** 1987 Apr; 18(4):319–22

Leiomyosarcoma of the duodenum. Curran FT, et al. **Br J Hosp Med** 1986 Oct;36(4):285–6

Leiomyosarcoma of the saphenous vein. A case report and review of the literature. Humphrey M, et al. **J Bone Joint Surg [Am]** 1987 Feb;69(2):282–6

Leiomyosarcoma of the forearm: treatment with wide local excision and a lateral arm flap. Sanders JO, et al. **J Hand Surg [Am]** 1986 Nov;11(6):906–10

Leiomyosarcoma of the scrotum. Collier DS, et al. **J Surg Oncol** 1987 Mar;34(3):176–8 (9 ref.)

Primary leiomyosarcoma of the inferior vena cava: a case report and review of the literature. Griffin AS, et al. **J Surg Oncol** 1987 Jan;34(1):53–60

Smooth muscle tumours of the oesophagus. Ala-Kulju K, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(1):65–8

Surgery in primary leiomyosarcoma of the heart. Segesser Lv, et al. **Thorac Cardiovasc Surg** 1986 Dec;34(6):391–4

Leiomyosarcoma of scrotum. Johnson H Jr. **Urology** 1987 Apr;29(4):436–8

[Leiomyosarcoma of the small intestine and colon in a child: double localization with an interval of 9 years] Ayoub J, et al. **Chir Pediatr** 1986;27(3):165–7 (Eng. Abstr.) **(Fre)**

[Leiomyosarcoma of Meckel's diverticulum. Apropos of a new case] Goëau-Brissonnière O, et al. **J Chir (Paris)** 1986 Oct;123(10):586–7 **(Fre)**

[Leiomyosarcoma of the inferior vena cava] Boumghar M, et al. **Schweiz Med Wochenschr** 1987 Feb 7;117(6):199–204 (Eng. Abstr.) **(Fre)**

[Subcutaneous leiomyosarcoma of the hand] Zacher J, et al. **Handchir Mikrochir Plast Chir** 1986 Nov;18(6):331–5 (Eng. Abstr.) **(Ger)**

[Leiomyosarcoma of the stomach] Banderali A, et al. **Minerva Chir** 1986 Nov 15;41(21):1829–33 (Eng. Abstr.) **(Ita)**

[Leiomyosarcoma of the stomach. Apropos of a case] Rivetti R, et al. **Minerva Chir** 1987 Jan 31;42(1–2):85–8 (Eng. Abstr.) **(Ita)**

[Non-epithelial neoplasms of the stomach. Case reports] Spisni R, et al. **Minerva Chir** 1986 Oct 15;41(19):1635–40 (Eng. Abstr.) **(Ita)**

[Leiomyosarcoma of the small intestine] Oancea T, et al. **Rev Chir [Chir]** 1986 Jul–Aug;35(4):287–93 (Eng. Abstr.) **(Rum)**

THERAPY

Combined chemotherapy and irradiation therapy after radical surgery for leiomyosarcoma of the vulva. A case report. Guidozzi F, et al. **S Afr Med J** 1987 Mar 7;71(5):327–8

ULTRASTRUCTURE

Giant nuclear bodies in epithelioid leiomyosarcoma. Wakui S, et al. **J Electron Microsc (Tokyo)** 1986;35(3):298–303

A transmission electron microscopic study of two cases of oral smooth muscle neoplasm. Kawakami T, et al. **J Oral Maxillofac Surg** 1987 Jun;45(6):551–5

Post-irradiation leiomyosarcoma. Case report with immunohistochemical studies. Korbi S, et al. **J Submicrosc Cytol** 1987 Apr;19(2):365–9

VETERINARY

Colic in two horses associated with smooth muscle intestinal tumours. Livesey MA, et al. **Equine Vet J** 1986 Jul; 18(4):334–7

Rectal leiomyosarcoma in a horse. Clem MF, et al. **J Am Vet Med Assoc** 1987 Jul 15;191(2):229–30

Immunohistochemical demonstration of desmin in canine smooth muscle tumors. Andreasen CB, et al. **Vet Pathol** 1987 May;24(3):211–5

LEISHMANIA

[Note on the relations between vectors of leishmaniasis and forest trees in French Guiana] Geoffroy B, et al. **Ann Parasitol Hum Comp** 1986;61(4):483–90 (Eng. Abstr.) **(Fre)**

[Experimental infection of Lutzomyia whitmani in dogs infected with Leishmania braziliensis braziliensis] Vexenat JA, et al. **Mem Inst Oswaldo Cruz** 1986 Jan–Mar; 81(1):125–6 (Eng. Abstr.) **(Por)**

CLASSIFICATION

Identification and distribution of New World Leishmania species characterized by serodeme analysis using monoclonal antibodies. Grimaldi G Jr, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):270–87

Characterization of Kenyan Leishmania spp. and identification of Mastomys natalensis, Taterillus emini and Aethomys kaiseri as new hosts of Leishmania major. Githure JI, et al. **Ann Trop Med Parasitol** 1986 Oct; 80(5):501–7

The structure of the nosorange of cutaneous leishmaniasis in the Old World (an experience in mapping, typology and zonation). Malkhazova SM, et al. **Geogr Med** 1986;16:27–44

The ribosomal gene spacer as a tool for the taxonomy of Leishmania. Ramírez JL, et al. **Mol Biochem Parasitol** 1987 Jan 15;22(2–3):177–83

CYTOLOGY

In vitro reversible transformation of Leishmania braziliensis panamensis between promastigote and ellipsoidal forms. Darling TN, et al. **J Protozool** 1987 May;34(2):166–8

DRUG EFFECTS

In vitro and in vivo anti-leishmanial activity of chlorpromazine alone and combined with N-meglumine antimonate. el-On J, et al. **Ann Trop Med Parasitol** 1986 Oct;80(5):509–17

Biological activity of analogs of guanine and guanosine against American Trypanosoma and Leishmania spp. Avila JL, et al. **Antimicrob Agents Chemother** 1987 Mar; 31(3):447–51

Inhibition of leishmanial DNA synthesis by sinefungin. Paolantonacci P, et al. **Biochem Pharmacol** 1987 Sep 1; 36(17):2813–20

In vitro antileishmanial activity of inhibitors of steroid biosynthesis and combinations of antileishmanial agents. Berman JD, et al. **J Parasitol** 1987 Jun;73(3):671–3

[Experimental disinfection of human pathogenic hemoflagellates] Koch A, et al. **Z Gesamte Hyg** 1987 May; 33(5):267–8 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Biochemical identities and differences among Leishmania species and subspecies. Kreutzer RD, et al. **Am J Trop Med Hyg** 1987 Jan;36(1):22–32

Comparison of extracellular acid phosphatases from various isolates of Leishmania. Lovelace JK, et al. **Am J Trop Med Hyg** 1986 Nov;35(6):1121–8

Effects of methotrexate and other antifolates on the growth and dihydrofolate reductase activity of Leishmania promastigotes. Scott DA, et al. **Biochem Pharmacol** 1987 Jun 15;36(12):2043–5

Quantitative structure–activity relationship of triazine–antifolate inhibition of Leishmania dihydrofolate reductase and cell growth. Booth RG, et al. **J Med Chem** 1987 Jul;30(7):1218–24

Identification of the promastigote surface protease in seven species of Leishmania. Bouvier J, et al. **Mol Biochem Parasitol** 1987 May;24(1):73–9

Phosphomonoesterases of Leishmania mexicana mexicana and other flagellates. Hassan HF, et al. **Mol Biochem Parasitol** 1987 Apr;23(3):285–96

Leishmania in the Old World: 3. The distribution of L. aethiopica zymodemes. Le Blancq SM, et al. **Trans R Soc Trop Med Hyg** 1986;80(3):360–6

Leishmania in the Old World: 5. Numerical analysis of isoenzyme data. Le Blancq SM, et al. **Trans R Soc Trop Med Hyg** 1986;80(4):517–24

Isoenzyme studies on Leishmania stocks from Peru by ultrathin-layer isoelectrofocusing. Ebert F. **Trop Med Parasitol** 1987 Mar;38(1):37–40

[Isoenzyme characterization of strains of leishmaniae using electrophoresis on acetate-cellulose slabs] Alieva KhKh, et al. **Med Parazitol (Mosk)** 1987 Mar–Apr;(2):54–9 **(Rus)**

GENETICS

Comparison of the maxicircle (mitochondrial) genomes of Leishmania tarentolae and Trypanosoma brucei at the level of nucleotide sequence. Simpson L, et al. **J Biol Chem** 1987 May 5;262(13):6182–96

Chromosome location of four genes in Leishmania. Comeau AM, et al. **Mol Biochem Parasitol** 1986 Nov;21(2):161–9

Molecular karyotype of species and subspecies of Leishmania. Scholler JK, et al. **Mol Biochem Parasitol** 1986 Sep; 20(3):279–93

Cloning and characterization of a Leishmania gene encoding a RNA spliced leader sequence. Miller SI, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7341–60

Evolution of the genus Leishmania as revealed by comparisons of nuclear DNA restriction fragment patterns. Beverley SM, et al. **Proc Natl Acad Sci USA** 1987 Jan; 84(2):484–8

Kinetoplast DNA minicircles: regions of extensive sequence divergence. Rogers WO, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):565–9

GROWTH & DEVELOPMENT

Leishmania braziliensis: protein, carbohydrate, and antigen differences between log phase and stationary phase

promastigotes in vitro. Grögl M, et al. **Exp Parasitol** 1987 Jun;63(3):352–9

Leishmania spp.: agar plating as an alternative to limiting dilution and impression smears for the enumeration of viable parasites in tissue. Hill JO, et al. **Exp Parasitol** 1987 Feb;63(1):108–11

An inexpensive easily available replacement for foetal calf serum in media for the in vitro cultivation of Leishmania spp. Evans DA. **Z Parasitenkd** 1986;72(5):567–72

A simple method for cloning leishmanial promastigotes. Evans DA, et al. **Z Parasitenkd** 1986;72(5):573–6

IMMUNOLOGY

Immunization of hamsters with TLCK-killed parasites induces protection against Leishmania infection. O'Daly JA, et al. **Acta Trop (Basel)** 1986 Sep;43(3):225–36

Protection against fatal murine Chagas' disease with a Leishmania braziliensis panamensis stock. Tanowitz HB, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):937–41

Serodiagnosis of New World leishmaniasis by using a genus-specific antigen in enzyme linked immunosorbent assays. Sacci JB, et al. **Diagn Microbiol Infect Dis** 1987 Mar;6(3):229–38

Effect of lipopolysaccharide on intracellular killing of Leishmania enriettii and correlation with macrophage oxidative metabolism. Mauël J, et al. **Eur J Immunol** 1987 Feb;17(2):203–8

Leishmania species: mechanisms of complement activation by five strains of promastigotes. Mosser DM, et al. **Exp Parasitol** 1986 Dec;62(3):394–404

Controlled field trials of a vaccine against New World cutaneous leishmaniasis. Antunes CM, et al. **Int J Epidemiol** 1986 Dec;15(4):572–80

Class immunoglobulins and complements (C3 & C4) in Egyptian form of cutaneous leishmaniasis. Morsy TA, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):71–80

Infectivity of Leishmania braziliensis promastigotes is dependent on the increasing expression of a 65,000-dalton surface antigen. Kweider M, et al. **J Immunol** 1987 Jan 1;138(1):299–305

Antibody responses, as measured by the enzyme-linked immunosorbent assay (ELISA), in owl monkeys experimentally infected with Leishmania braziliensis panamensis. Lujan R, et al. **J Parasitol** 1987 Apr; 73(2):430–2

Characterization and quantitation of membrane antigens of New World Leishmania species by using monoclonal antibodies in Western blot and flow microfluorometric assays. Williams KM, et al. **J Protozool** 1986 Nov; 33(4):490–7

Intracellular parasitism of macrophages in leishmaniasis: in vitro systems and their applications. Chang KP, et al. **Methods Enzymol** 1986;132:603–26

Identification of a major 72 kilodalton surface antigen in twelve isolates of Leishmania braziliensis braziliensis. Legrand D, et al. **Mol Biochem Parasitol** 1987 Jun; 24(2):117–24

Further trials of a vaccine against American cutaneous leishmaniasis [letter] Mayrink W, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):1001

Immunoprophylaxis against Leishmania infections with a semi-purified antigen [letter] Monjour L, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):1013

Application of an in vivo culture system for rapid demonstration of anti-Leishmania activity of monoclonal antibodies. Monjour L, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):210–1

Cutaneous leishmaniasis in Ethiopia: I. Lymphocyte transformation and antibody titre. Schurr E, et al. **Trop Med Parasitol** 1986 Dec;37(4):403–8

[Uses of hybridoma-secreting monoclonal antibodies in parasitic diseases] Huang SR, et al. **Chung Hua I Hsueh Tsa Chih** 1987 Jan;67(1):52–5 (23 ref.) **(Chi)**

[Preliminary results in favor of the existence of a major surface antigen, specific for Leishmania braziliensis braziliensis] Legrand D, et al. **C R Acad Sci [III]** 1986; 303(14):607–12 (Eng. Abstr.) **(Fre)**

[Histopathology of tegumentary leishmaniasis caused by Leishmania braziliensis braziliensis. 2. Tissue humoral response] de Magalhães AV, et al. **Rev Inst Med Trop Sao Paulo** 1986 Sep–Oct;28(5):293–9 (Eng. Abstr.) **(Por)**

[Comparative study of the membrane and cytoplasmic antigens of 2 species of Leishmania (Trypanosomatidae, Leishmania)] Pokorný J, et al. **Med Parazitol (Mosk)** 1986 Jul–Aug;(4):38–41 (Eng. Abstr.) **(Rus)**

[Anti-Leishmania monoclonal antibodies of hybridoma origin] Infante RB, et al. **Acta Cient Venez** 1986;37(3):334–5 **(Spa)**

ISOLATION & PURIFICATION

Leishmaniasis: the touch preparation as a rapid means of diagnosis. Berger RS, et al. **J Am Acad Dermatol** 1987 May; 16(5 Pt 2):1096–105

Leishmaniasis in Bolivia. II. The involvement of Psychodopygus yucumensis and Psychodopygus llanosmartinsi in the selvatic transmission cycle of Leishmania braziliensis braziliensis in a lowland subandean region. Le Pont F, et al. **Mem Inst Oswaldo Cruz** 1986 Jul–Sep;81(3):311–8

Detection of Leishmania parasites by DNA in situ hybridization with non-radioactive probes. van Eys GJ, et al. **Parasitol Res** 1987;73(3):199–202

Cultivation of Leishmania braziliensis braziliensis from skin ulcers in man under field conditions. Cuba Cuba CA, et al. **Trans R Soc Trop Med Hyg** 1986;80(3):456–7

Isolation and characterization of leishmanias from Nicaragua [letter] Missoni E, et al. **Trans R Soc Trop Med Hyg** 1986; 80(6):999–1000

Leishmania infecting man and wild animals in Saudi Arabia. 2. Leishmania arabica n. sp. Peters W, et al. **Trans R Soc Trop Med Hyg** 1986;80(4):497–502

[Leishmania braziliensis Vianna, 1911 s. st., in French Guiana] Courtois D, et al. **Ann Parasitol Hum Comp** 1986; 61(5):593–4 **(Fre)**

[Phlebotomus of Vargem Grande, a focus of cutaneous leishmaniasis in the State of Rio de Janeiro] Rangel EF, et al. **Mem Inst Oswaldo Cruz** 1986 Jul–Sep;81(3):347–9 (Eng. Abstr.) **(Por)**

[In vitro culture as a practical tool for the diagnosis and primary isolation of Leishmania braziliensis braziliensis. 2. Studies in patients in endemic areas] Cuba Cuba CA, et al. **Rev Inst Med Trop Sao Paulo** 1986 Sep–Oct; 28(5):317–24 (Eng. Abstr.) **(Spa)**

METABOLISM

Oxidation of fatty acids by Leishmania braziliensis panamensis. Blum JJ. **J Protozool** 1987 May;34(2):169–74

Oxidation of glucose, ribose, alanine, and glutamate by Leishmania braziliensis panamensis. Keegan FP, et al. **J Protozool** 1987 May;34(2):174–9

Folate utilisation by Leishmania species and the identification of intracellular derivatives and folate-metabolising enzymes. Scott DA, et al. **Mol Biochem Parasitol** 1987 Mar; 23(2):139–49

The agglutination of erythrocytes and Leishmania parasites by sandfly gut extracts: evidence for lectin activity. Wallbanks KR, et al. **Trop Med Parasitol** 1986 Dec; 37(4):409–13

PHYSIOLOGY

Impairment of the oxidative metabolism of mouse peritoneal macrophages by intracellular Leishmania spp. Buchmüller-Rouiller Y, et al. **Infect Immun** 1987 Mar; 55(3):587–93

The localization of a lectin-like component on the Leishmania cell surface. Hernández AG, et al. **Mol Biol Rep** 1986;11(3):149–53

LEISHMANIA BRAZILIENSIS see under **LEISHMANIA**

LEISHMANIA CHAGASI see **LEISHMANIA DONOVANI**

LEISHMANIA DONOVANI

Active cutaneous leishmaniasis in Brazil, induced by Leishmania donovani chagasi. Oliveira Neto MP, et al. **Mem Inst Oswaldo Cruz** 1986 Jul–Sep;81(3):303–9

ANALYSIS

A simple procedure for the preparation of pure kinetoplast DNA network free of nuclear DNA from the kinetoplast hemoflagellate Leishmania donovani. Dasgupta S, et al. **Anal Biochem** 1986 Oct;158(1):189–94

An approach towards the isolation and characterization of some polysaccharide components of the protozoan Leishmania donovani. Banerji N, et al. **Carbohydr Res** 1987 Feb 1;159(2):328–35

Comparative study of lipids of Leishmania donovani & hamster spleen tissue. Chaudhuri G, et al. **Indian J Med Res** 1987 Jan;85:25–31

Lipids & fatty acids of Leishmania donovani donovani promastigotes. Chaudhuri G, et al. **Indian J Med Res** 1987 Feb;85:140–8

Structure of the lipid moiety of the Leishmania donovani lipophosphoglycan. Orlandi PA Jr, et al. **J Biol Chem** 1987 Jul 25;262(21):10384–91

Characterization of inositol lipids from Leishmania donovani promastigotes: identification of an inositol sphingophospholipid. Kaneshiro ES, et al. **J Lipid Res** 1986 Dec;27(12):1294–303

Cell surface lipophosphoglycan of Leishmania donovani. King DL, et al. **Mol Biochem Parasitol** 1987 May; 24(1):47–53

Purification and properties of cytochrome c555 from Leishmania donovani. Rassam MB, et al. **Mol Biochem Parasitol** 1986 Oct;21(1):1–6

DRUG EFFECTS

6-Thiopurine riboside analogs: their toxicity and metabolism in Leishmania donovani and mammalian cells. LaFon SW, et al. **Adv Exp Med Biol** 1986;195 Pt B:565–71

Activity of purine analogs against Leishmania donovani in vivo. Berman JD, et al. **Antimicrob Agents Chemother** 1987 Jan;31(1):111–3

The activity of alkyl phosphorylcholines and related derivatives against Leishmania donovani. Croft SL, et al. **Biochem Pharmacol** 1987 Aug 15;36(16):2633–6

Anti-leishmanial activity of methyl glyoxal. Sarkar S, et al. **Indian J Exp Biol** 1986 May;24(5):296–8

Toxic effects of fatty acids on Leishmania donovani promastigotes. Chaudhuri G, et al. **Indian J Med Res** 1986 Oct;84:361–5

Effects of DL-alpha-difluoromethylornithine on Leishmania donovani promastigotes. Kaur K, et al. **J Protozool** 1986 Nov;33(4):518–21

Cytotoxicity of ester and ether lysophospholipids on Leishmania donovani promastigotes. Achterberg V, et al. **Mol Biochem Parasitol** 1987 Mar;23(2):117–22

Effect of tunicamycin on the extracellular acid phosphatase of Leishmania donovani promastigotes. Lovelace JK, et al. **Mol Biochem Parasitol** 1987 Jan 2;22(1):19–28

Protein methylation and protein methylases in Leishmania donovani and Leishmania tropica promastigotes. Paolantonacci P, et al. **Mol Biochem Parasitol** 1986 Oct; 21(1):47–54

ENZYMOLOGY

Adenine phosphoribosyltransferase-deficient Leishmania donovani. Kaur K, et al. **Adv Exp Med Biol** 1986;195 Pt B:553–7

5'-Methylthioadenosine (MTA) phosphorylase from promastigotes of Leishmania donovani. Koszalka GW, et al. **Adv Exp Med Biol** 1986;195 Pt B:559–63

A cyclic nucleotide-independent protein kinase in Leishmania donovani. Das S, et al. **Biochem J** 1986 Dec 15;240(3):641–9

Renaturation of Leishmania donovani 3'-nucleotidase following sodium dodecyl sulfate-polyacrylamide gel electrophoresis. Zlotnick GW, et al. **Comp Biochem Physiol [B]** 1987;87(3):629–35

Isolation and characterization of adenosine kinase from Leishmania donovani. Datta AK, et al. **J Biol Chem** 1987 Apr 25;262(12):5515–21

Evidence for phosphorylation of the extracellular acid phosphatase of Leishmania donovani. Lovelace JK, et al. **J Protozool** 1987 Feb;34(1):78–9

Purification and characterization of the extracellular acid phosphatase of Leishmania donovani. Lovelace JK, et al. **Mol Biochem Parasitol** 1986 Sep;20(3):243–51

Leishmania in the Old World: 4. The distribution of L. donovani sensu lato zymodemes. Le Blancq SM, et al. **Trans R Soc Trop Med Hyg** 1986;80(3):367–77

Two episodes of cutaneous leishmaniasis in man caused by different zymodemes of Leishmania infantum s.l. [letter] Rioux JA, et al. **Trans R Soc Trop Med Hyg** 1986; 80(6):1004–5

GENETICS

Chromosome size polymorphisms of Leishmania donovani. Bishop RP, et al. **Mol Biochem Parasitol** 1987 Jul; 24(3):263–72

Cloning of a gene encoding the immunodominant surface antigen of Leishmania donovani promastigotes. Heath S, et al. **Mol Biochem Parasitol** 1987 Apr;23(3):211–22

Characterization of RNA from Leishmania tropica and Leishmania d.donovani promastigotes. Vedel M, et al. **Mol Biochem Parasitol** 1987 May;24(1):81–7

GROWTH & DEVELOPMENT

A new liquid medium without blood and serum for culture of hemoflagellates. Sadigursky M, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):942–4

Leishmania donovani and L. major: cultivation in vitro in tick embryonic cell lines. Nyindo M, et al. **Exp Parasitol** 1987 Apr;63(2):240–2

A new medium for large scale production of Leishmania donovani promastigotes for biochemical studies. Chaudhuri G, et al. **Indian J Med Res** 1986 Nov;84:457–60

Nutrition of Leishmania donovani donovani: growth in new semidefined & completely chemically defined media. ChaudhuriG, et al. **Indian J Med Res** 1986 Nov;84:461–8

Quantitative grading of Leishmania donovani amastigotes in bone marrow aspirates smears. Hati AK, et al. **Indian J Med Res** 1986 Sep;84:275–8

IMMUNOLOGY

Immunization of hamsters with TLCK-killed parasites induces protection against Leishmania infection. O'Daly JA, et al. **Acta Trop (Basel)** 1986 Sep;43(3):225–36

Increased infectivity of stationary-phase promastigotes of Leishmania donovani: correlation with enhanced C3 binding capacity and CR3-mediated attachment to host macrophages. Wozencraft AO, et al. **Immunology** 1987 Apr; 60(4):559–63

Studies on exoantigens of Leishmania donovani. Mukerji K, et al. **Indian J Biochem Biophys** 1986 Jun;23(3):148–51

Susceptibilities of macrophage populations to infection in vitro by Leishmania donovani. Olivier M, et al. **Infect Immun** 1987 Feb;55(2):467–71

Macrophage type 3 complement receptors mediate serum-independent binding of Leishmania donovani. Detection of macrophage-derived complement on the parasite surface by immunoelectron microscopy. Wozencraft AO, et al. **J Exp Med** 1986 Oct 1;164(4):1332–7

Identification of specific and cross-reactive antigens of Leishmania donovani chagasi by human infection sera. Reed SG, et al. **J Immunol** 1987 Mar 1;138(5):1596–601

Parasite accessory cell interactions in murine leishmaniasis. I. Evasion and stimulus-dependent suppression of the macrophage interleukin 1 response by Leishmania

donovani. Reiner NE. **J Immunol** 1987 Mar 15; 138(6):1919–25

Parasite–accessory cell interactions in murine leishmaniasis. II. Leishmania donovani suppresses macrophage expression of class I and class II major histocompatibility complex gene products. Reiner NE, et al. **J Immunol** 1987 Mar 15; 138(6):1926–32

ELISA titres to polysaccharide antigens of Leishmania donovani promastigotes in kala–azar [letter] Ray R, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):998

[Preparation and characterization of monoclonal antibodies against Leishmania donovani] Qu JQ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(3):199–202 (Eng. Abstr.) **(Chi)**

[Dot–ELISA using monoclonal antibodies for identification of Leishmania donovani] Qu JQ, et al. **Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1987;5(1):6–8 (Eng. Abstr.) **(Chi)**

[Detecting L. donovani circulating antigen by McAb in the diagnosis of kala–azar] Hu XS, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Mar;17(1):1–4 (Eng. Abstr.) **(Chi)**

[Detection of circulating antigens by McAb–AST for evaluation of the therapeutic effect of kala–azar cases] Hu XS, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Sep; 17(3):161–4 (Eng. Abstr.) **(Chi)**

[Investigation of non–specific immune suppression in DBA/1 mouse infected by L. donovani] Yi TL, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Mar;17(1):13–6 (Eng. Abstr.) **(Chi)**

[Comparative study of the membrane and cytoplasmic antigens of 2 species of Leishmania (Trypanosomatidae, Leishmania)] Pokorný J, et al. **Med Parazitol (Mosk)** 1986 Jul–Aug;(4):38–41 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Leishmania infantum, causative organism of visceral leishmaniasis at Biskra (Algeria) [letter] Belazzoug S. **Trans R Soc Trop Med Hyg** 1986;80(6):1002–3

Leishmania infantum sensu lato as an agent of cutaneous leishmaniasis in Abruzzi region (Italy). Gramiccia M, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):235–7

METABOLISM

Biosynthetic preparation of radioactively labelled ethanolamine plasmalogen (1–O–[1'–14C]octadec–1'–enyl–2–acyl–sn–glycero–3–phosphoethanola mine) using a protozoan cell culture. Achterberg V, et al. **Chem Phys Lipids** 1986 Sep; 41(2):137–45

Identification and biochemical characterization of the plasma membrane glucose transporter of Leishmania donovani. Zilberstein D, et al. **J Biol Chem** 1986 Nov 15; 261(32):15053–7

Two high affinity nucleoside transporters in Leishmania donovani. Aronow B, et al. **Mol Biochem Parasitol** 1987 Jan 2;22(1):29–37

The gamma–guanidinobutyramide pathway of L–arginine catabolism in Leishmania donovani promastigotes. Bera T. **Mol Biochem Parasitol** 1987 Apr;23(3):183–92

DNA synthesis in promastigotes of Leishmania major and L. donovani. North TW, et al. **Mol Biochem Parasitol** 1987 Jan 15;22(2–3):215–21

Anti–parasite activity of nucleoside analogues: the metabolism of carbocyclic inosine in promastigotes of Leishmania tropica and Leishmania donovani and its activity against amastigotes of Leishmania donovani in vitro. Wataya Y, et al. **Nucleic Acids Symp Ser** 1986; (17):149–51

PATHOGENICITY

Comparative study of the virulence of two Leishmania donovani isolates of different origin. Segovia M, et al. **Ann Trop Med Parasitol** 1986 Oct;80(5):519–24

The suitability of East African primates as animal models of visceral leishmaniasis. Githure JI, et al. **Trans R Soc Trop Med Hyg** 1986;80(4):575–6

[Strains of the causative agent of visceral leishmaniasis from southeastern Turkmenistan and the results of their trial with golden hamsters] Lesnikova EV, et al. **Med Parazitol (Mosk)** 1986 Sep–Oct;(5):51–4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Leishmania major and L. donovani: effects on proteolytic enzymes of Phlebotomus papatasi (Diptera, Psychodidae). Schlein Y, et al. **Exp Parasitol** 1986 Dec;62(3):376–80

Sand flies (Diptera: Psychodidae) associated with visceral leishmaniasis in El Agamy, Alexandria Governorate, Egypt. III. Experimental Leishmania infections and vector status. Beier JC, et al. **J Med Entomol** 1986 Dec 4; 23(6):616–21

[Interaction of Leishmania donovani promastigotes with peritoneal exudate cells of mice as affected by chymotrypsin] Arcay L, et al. **Rev Inst Med Trop Sao Paulo** 1986 May–Jun;28(3):145–53 (Eng. Abstr.) **(Spa)**

LEISHMANIA ENRIETTI see **LEISHMANIA MEXICANA**

LEISHMANIA INFANTUM see **LEISHMANIA DONOVANI**

LEISHMANIA MAJOR see **LEISHMANIA TROPICA**

LEISHMANIA MEXICANA

Experimental infection of Lutzomyia longipalpis fed on a patient with cutaneous leishmaniasis due to Leishmania mexicana amazonensis. Deane LM, et al. **Mem Inst Oswaldo Cruz** 1986 Jan–Mar;81(1):133–4

Prolonged in vitro cultivation of Leishmania mexicana venezuelensis [letter] Evans DA, et al. **Trans R Soc Trop Med Hyg** 1986;80(3):493

ANALYSIS

Structural and antigenic characterization of a species– and promastigote–specific Leishmania mexicana amazonensis membrane protein. Kahl LP, et al. **J Immunol** 1987 Mar 1;138(5):1587–95

ANATOMY & HISTOLOGY

Structural observations on the attachment of promastigotes of Leishmania mexicana amazonensis to the surface of macrophages. Pimienta PF, et al. **Microsc Electron Biol Celular** 1986 Jun;10(1):65–75

CLASSIFICATION

The ribosomal gene spacer as a tool for the taxonomy of Leishmania. Ramírez JL, et al. **Mol Biochem Parasitol** 1987 Jan 15;22(2–3):177–83

DRUG EFFECTS

Leishmania mexicana: destruction of isolated amastigotes by amino acid esters. Rabinovitch M, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):288–93

Biological and biochemical characterization of tunicamycin–resistant Leishmania mexicana: mechanism of drug resistance and virulence. Kink JA, et al. **Infect Immun** 1987 Jul;55(7):1692–700

ENZYMOLOGY

Phosphomonoesterases of Leishmania mexicana mexicana and other flagellates. Hassan HF, et al. **Mol Biochem Parasitol** 1987 Apr;23(3):285–96

GENETICS

Transcriptional mapping of Leishmania enrietti tubulin mRNAs. Landfear SM, et al. **Mol Biochem Parasitol** 1986 Dec;21(3):235–45

Tunicamycin–resistant Leishmania mexicana amazonensis: expression of virulence associated with an increased activity of N–acetylglucosaminyltransferase and amplification of its presumptive gene. Kink JA, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1253–7

GROWTH & DEVELOPMENT

A new liquid medium without blood and serum for culture of hemoflagellates. Sadigursky M, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):942–4

Development of Leishmania mexicana in Lutzomyia diabolica and Lutzomyia shannoni (Diptera: Psychodidae). Lawyer PG, et al. **J Med Entomol** 1987 May;24(3):347–55

IMMUNOLOGY

The macrophage–attachment glycoprotein gp63 is the predominant C3–acceptor site on Leishmania mexicana promastigotes. Russell DG. **Eur J Biochem** 1987 Apr 1; 164(1):213–21

Characterization and quantitation of membrane antigens of New World Leishmania species by using monoclonal antibodies in Western blot and flow microfluorometric assays. Williams KM, et al. **J Protozool** 1986 Nov; 33(4):490–7

Immunotherapy versus chemotherapy in localised cutaneous leishmaniasis. Convit J, et al. **Lancet** 1987 Feb 21; 1(8530):401–5

The correlation between delayed hypersensitivity, lymphocyte activation and protective immunity in experimental murine leishmaniasis. De Rossell RA, et al. **Parasite Immunol** 1987 Jan;9(1):105–15

ISOLATION & PURIFICATION

Observations on the parasite Leishmania mexicana amazonensis and its natural infection of the sand fly Lutzomyia olmeca nociva. Arias JR, et al. **Bull Pan Am Health Organ** 1987;21(1):48–54

METABOLISM

Evidence for a membrane adenosine receptor in Leishmania mexicana mexicana (WR 227). Hansen BD, et al. **Adv Exp Med Biol** 1986;195 Pt B:547–51

Sodium stibogluconate (Pentostam) inhibition of glucose catabolism via the glycolytic pathway, and fatty acid beta–oxidation in Leishmania mexicana amastigotes. Berman JD, et al. **Biochem Pharmacol** 1987 Jan 15; 36(2):197–201

Leishmania mexicana: uptake of sodium stibogluconate (Pentostam) and pentamidine by parasite and macrophages. Berman JD, et al. **Exp Parasitol** 1987 Aug;64(1):127–31

Uptake, distribution, and oxidation of fatty acids by Leishmania mexicana amastigotes. Berman JD, et al. **J Parasitol** 1987 Jun;73(3):555–60

Selective lectin reactions of two stocks of Leishmania enriettii with differing pathogenicity. Schottelius J. **Parasitol Res** 1987;73(1):1–8

PHYSIOLOGY

Destruction of Leishmania mexicana amazonensis promastigotes by normal human serum. Barral–Netto M, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):53–6

Host–parasite relationship of Leishmania mexicana mexicana and Lutzomyia abonnenci (Diptera: Psychodidae). Walters LL, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):294–314

Experimental transmission of Leishmania mexicana by a North American sand fly, Lutzomyia anthophora (Diptera: Psychodidae). Endris RG, et al. **J Med Entomol** 1987 Mar; 24(2):243–7

Experimental transmission of Leishmania mexicana to hamsters by bites of phlebotomine sand flies (Diptera: Psychodidae) from the United States. Lawyer PG, et al. **J Med Entomol** 1987 Jul;24(4):458–62

Rate of Leishmania–induced skin–lesion development in rodents depends on the site of inoculation. Kirkpatrick CE, et al. **Parasitology** 1987 Jun;94 (Pt 3):451–65

ULTRASTRUCTURE

Leishmania mexicana: distribution of intramembranous particles and filipin sterol complexes in amastigotes and promastigotes. Pimenta PF, et al. **Exp Parasitol** 1987 Apr; 63(2):117–35

Fine structure and cytochemistry of the interaction between Leishmania mexicana amazonensis and rat neutrophils and eosinophils. Pimenta PF, et al. **J Submicrosc Cytol** 1987 Jul;19(3):387–95

Ultrastructure of the mitotic nucleus in Leishmania mexicana sp. tridimensional reconstruction of the mitotic spindle and dense plaques. Ureña F. **Microsc Electron Biol Celular** 1985 Jun;9(1):51–65

LEISHMANIA MINOR see **LEISHMANIA TROPICA**

LEISHMANIA TROPICA

DRUG EFFECTS

Leishmania major: antileishmanial activity of methylbenzethonium chloride. El–On J, et al. **Am J Trop Med Hyg** 1986 Nov;35(6):1110–6

Protein methylation and protein methylases in Leishmania donovani and Leishmania tropica promastigotes. Paolantonacci P, et al. **Mol Biochem Parasitol** 1986 Oct; 21(1):47–54

ENZYMOLOGY

A stable binary complex between Leishmania major thymidylate synthase and the substrate deoxyuridylate. A slow–binding interaction. Garvey EP, et al. **J Biol Chem** 1987 Jul 5;262(19):9068–74

GENETICS

Genomic organization, chromosomal location and transcription of dispersed and repeated tubulin genes in Leishmania major. Spithill TW, et al. **Mol Biochem Parasitol** 1987 May;24(1):23–37

Characterization of RNA from Leishmania tropica and Leishmania d.donovani promastigotes. Vedel M, et al. **Mol Biochem Parasitol** 1987 May;24(1):81–7

Sequence and S1 nuclease mapping of the 5' region of the dihydrofolate reductase–thymidylate synthase gene of Leishmania major. Kapler GM, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3369–83

GROWTH & DEVELOPMENT

Leishmania donovani and L. major: cultivation in vitro in tick embryonic cell lines. Nyindo M, et al. **Exp Parasitol** 1987 Apr;63(2):240–2

Effect of glucan on Leishmania major infection in BALB/c mice. Al Tuwaijri AS, et al. **J Med Microbiol** 1987 Jun; 23(4):363–5

Development of sandfly forms of Leishmania major in sucrose solutions. Schlein Y, et al. **J Parasitol** 1987 Aug; 73(4):797–805

Cytoplasmic polyhedrosis viruses in Phlebotomus papatasi inhibit development of Leishmania major. Warburg A, et al. **J Parasitol** 1987 Jun;73(3):578–83

[Attempt at cryogenic preservation of the amastigote stage of Leishmania major in the ear skin of experimentally infected golden hamsters (Mesocricetus auratus)] Passova OM, et al. **Med Parazitol (Mosk)** 1986 Jul–Aug;(4):45–6 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

The effects of Con A–induced lymphokines from the T–lymphocyte subpopulations on human monocyte leishmanicidal capacity and H2O2 production. Passwell JH, et al. **Immunology** 1986 Oct;59(2):245–50

Induction of delayed–type hypersensitivity to Leishmania

major and the concomitant acceleration of disease development in progressive murine cutaneous leishmaniasis. Dhaliwal JS, et al. **Infect Immun** 1987 Mar; 55(3):645–51

Use of the enzyme-linked immunosorbent assay (ELISA) for detection of circulating antibodies to human leishmaniasis. Shin JW, et al. **Int J Zoonoses** 1986 Jun;13(2):131–7

Leishmania promastigotes are recognized by the macrophage receptor for advanced glycosylation endproducts. Mosser DM, et al. **J Exp Med** 1987 Jan 1;165(1):140–5

Passive transfer of Leishmania lipopolysaccharide confers parasite survival in macrophages. Handman E, et al. **J Immunol** 1986 Dec 1;137(11):3608–13

Species-specific antibodies to Leishmania tropica (minor) recognize somatic antigens and exometabolites. Jaffe CL, et al. **J Immunol** 1987 Aug 15;139(4):1310–9

Vaccination against cutaneous leishmaniasis in a murine model. I. Induction of protective immunity with a soluble extract of promastigotes. Scott P, et al. **J Immunol** 1987 Jul 1;139(1):221–7

Macrophage activation for antileishmanial defense by an apparently novel mechanism. Wyler DJ, et al. **J Immunol** 1987 Feb 15;138(4):1246–9

Modulation of the pattern of development of experimental disseminated leishmaniasis by Corynebacterium parvum. Hill JO. **J Leukocyte Biol** 1987 Feb;41(2):165–9

The correlation between delayed hypersensitivity, lymphocyte activation and protective immunity in experimental murine leishmaniasis. De Rossell RA, et al. **Parasite Immunol** 1987 Jan;9(1):105–15

Monoclonal antibody identification of Leishmania tropica from Sudanese mucosal leishmaniasis. Mohammed el-A, et al. **Trop Med Parasitol** 1987 Mar;38(1):34–6

Murine cutaneous leishmaniasis: comparative study on the capacity of macrophages from "healer" and "non-healer" mouse strains to control L. tropica replication. Streck H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Mar; 263(4):594–604

ISOLATION & PURIFICATION

Characterization of Kenyan Leishmania spp. and identification of Mastomys natalensis, Taterillus emini and Aethomys kaiseri as new hosts of Leishmania major. Githure JI, et al. **Ann Trop Med Parasitol** 1986 Oct; 80(5):501–7

[An entomological survey in the focus of zoonotic cutaneous leishmaniasis (Leishmania major) of Sidi Bouzid (Tunisia) in 1985] Helal H, et al. **Bull Soc Pathol Exot Filiales** 1987; 80(3):349–56 (Eng. Abstr.) **(Fre)**

METABOLISM

Folylpolyglutamates in Leishmania major. Santi DV, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1089–92

Biochemistry and regulation of folate and methotrexate transport in Leishmania major. Ellenberger TE, et al. **J Biol Chem** 1987 Jul 25;262(21):10053–8

DNA synthesis in promastigotes of Leishmania major and L. donovani. North TW, et al. **Mol Biochem Parasitol** 1987 Jan 15;22(2–3):215–21

Anti-parasite activity of nucleoside analogues: the metabolism of carbocyclic inosine in promastigotes of Leishmania tropica and Leishmania donovani and its activity against amastigotes of Leishmania donovani in vitro. Wataya Y, et al. **Nucleic Acids Symp Ser** 1986; (17):149–51

PATHOGENICITY

Variants with reduced virulence derived from Leishmania major after mutagen treatment. Marchand M, et al. **Parasite Immunol** 1987 Jan;9(1):81–92

[Seasonal changes in the population structure of the causative agents of zoonotic cutaneous leishmaniasis in its virulent properties] Strelkova MV, et al. **Med Parazitol (Mosk)** 1986 Jul–Aug;(4):32–8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Loss of granule myeloperoxidase during in vitro culture of human monocytes correlates with decay in antiprotozoa activity. Locksley RM, et al. **Am J Trop Med Hyg** 1987 May;36(3):541–8

The effect of post-bloodmeal nutrition of Phlebotomus papatasi on the transmission of Leishmania major. Warburg A, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):926–30

Leishmania major and L. donovani: effects on proteolytic enzymes of Phlebotomus papatasi (Diptera, Psychodidae). Schlein Y, et al. **Exp Parasitol** 1986 Dec;62(3):376–80

The third component of complement (C3) is responsible for the intracellular survival of Leishmania major. Mosser DM, et al. **Nature** 1987 May 28–Jun 3;327(6120):329–31

Rate of Leishmania-induced skin-lesion development in rodents depends on the site of inoculation. Kirkpatrick CE, et al. **Parasitology** 1987 Jun;94 (Pt 3):451–65

LEISHMANIASIS

The scientific proceedings of "Leishmaniasis: The First Centenary 1885–1985". 9 November 1985 [published erratum appears in J R Army Med Corps 1987 Feb;133(1):69] **J R Army Med Corps** 1986 Oct; 132(3):127–52

Cutaneous leishmaniasis in a 3-year-old Finnish visitor to France. Kyrönseppä H, et al. **Scand J Infect Dis** 1986; 18(6):587–9

BLOOD

Fine structure and cytochemistry of the interaction between Leishmania mexicana amazonensis and rat neutrophils and eosinophils. Pimenta PF, et al. **J Submicrosc Cytol** 1987 Jul;19(3):387–95

COMPLICATIONS

Cutaneous horn arising in cutaneous leishmaniasis [letter] Srebrnik A, et al. **Arch Dermatol** 1987 Feb;123(2):168–9

DIAGNOSIS

Fine needle aspiration cytology of localized Leishmania lymphadenitis. Kumar PV, et al. **Acta Cytol (Baltimore)** 1987 Jan–Feb;31(1):14–6

Diagnosis of cutaneous and mucocutaneous leishmaniasis in Colombia: a comparison of seven methods. Weigle KA, et al. **Am J Trop Med Hyg** 1987 May;36(3):489–96

Serodiagnosis of New World leishmaniasis by using a genus-specific antigen in enzyme linked immunosorbent assays. Sacci JB, et al. **Diagn Microbiol Infect Dis** 1987 Mar;6(3):229–38

Cutaneous leishmaniasis. Clinical, histopathologic, and electron microscopic studies. Lin CS, et al. **Int J Dermatol** 1986 Oct;25(8):511–5

Use of the enzyme-linked immunosorbent assay (ELISA) for detection of circulating antibodies to human leishmaniasis. Shin JW, et al. **Int J Zoonoses** 1986 Jun;13(2):131–7

Leishmaniasis: the touch preparation as a rapid means of diagnosis. Berger RS, et al. **J Am Acad Dermatol** 1987 May; 16(5 Pt 2):1096–105

Clinical diagnosis of cutaneous leishmaniasis (oriental sore). Kubba R, et al. **J Am Acad Dermatol** 1987 Jun;16(6):1183–9

Comparison of the dot enzyme-lined immunosorbent assay, the indirect haemagglutination test and the leishmanin skin test for the diagnosis of cutaneous leishmaniasis in Egypt. Morsy TA, et al. **J Egypt Soc Parasitol** 1986 Dec; 16(2):763–72

Leishmaniasis and malaria: new tools for epidemiologic analysis. Wirth DF, et al. **Science** 1986 Nov 21; 234(4779):975–9

[Occupational medicine aspects of cutaneous leishmaniasis] Görtz J, et al. **Derm Beruf Umwelt** 1986 Nov–Dec; 34(6):171–4 (Eng. Abstr.) **(Ger)**

[Cutaneous leishmaniasis in Ethiopian immigrants in Israel] Verner E, et al. **Harefuah** 1986 Dec 15;111(12):416–8 (Eng. Abstr.) **(Heb)**

[Tuberculoid leishmaniasis] Ereshov ME, et al. **Vestn Dermatol Venerol** 1986;(8):45–8 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

In vitro and in vivo anti-leishmanial activity of chlorpromazine alone and combined with N-meglumine antimonate. el-On J, et al. **Ann Trop Med Parasitol** 1986 Oct;80(5):509–17

Failure of oral ketoconazole to cure cutaneous ulcers caused by Leishmania braziliensis. Dan M, et al. **Cutis** 1986 Sep; 38(3):198–9

Dapsone in the treatment of cutaneous leishmaniasis. Dogra J, et al. **Int J Dermatol** 1986 Jul–Aug;25(6):398–400

Topical therapy of cutaneous leishmaniasis with 2% ketoconazole ointment and DMSO [letter] Dutz W, et al. **Int J Dermatol** 1987 Apr;26(3):199

Efficacy of rifampicin and isoniazid in cutaneous leishmaniasis. Livshin R, et al. **Int J Dermatol** 1987 Jan–Feb;26(1):55–9

Dapsone in the treatment of cutaneous leishmaniasis [letter] Weinrauch L. **Int J Dermatol** 1987 Apr;26(3):200

Treatment of cutaneous leishmaniasis with an intralesional antimonial drug (Pentostam). Kellum RE. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):620–2

Leishmania aethiopica: topical treatment with paromomycin and methylbenzethonium chloride ointment [letter] Weinrauch L, et al. **J Am Acad Dermatol** 1987 Jun; 16(6):1268–70

On the treatment of cutaneous leishmaniasis in Egypt. Morsy TA, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):621–8

Safety and efficacy of high-dose sodium stibogluconate therapy of American cutaneous leishmaniasis. Ballou WR, et al. **Lancet** 1987 Jul 4;2(8549):13–6

American Leishmania spp: formycin B treatment of cutaneous leishmaniasis in mice. Rojas T, et al. **Parasitology** 1987 Jun;94 (Pt 3):467–74

A clinical trial of itraconazole in the treatment of deep mycoses and leishmaniasis. Borelli D. **Rev Infect Dis** 1987 Jan–Feb;9 Suppl 1:S57–63

Failure of meglumine antimoniate to cure cutaneous lesions due to Leishmania major in Algeria [letter] Belazzoug S, et al. **Trans R Soc Trop Med Hyg** 1986;80(4):670–1

[Cutaneous leishmaniasis or oriental sore. Treatment with ketoconazole (letter)] Vilmer C, et al. **Presse Med** 1986 Jul 5–12;15(27):1287 **(Fre)**

[Cutaneous leishmaniasis: development of a new topical treatment (editorial)] el-On J, et al. **Harefuah** 1986 Jun 1; 110(11):583–5 **(Heb)**

[Comparative study of the indicators of the effectiveness of chloridine and doxycycline in experimental cutaneous leishmaniasis] Khairulin FIa, et al. **Vestn Dermatol Venerol** 1987;(5):62–5 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Phlebotomines (Diptera, Psychodidae) from Burkina Faso. A note on the sandfly species collected in domestic resting sites. Maroli M, et al. **Ann Parasitol Hum Comp** 1986; 61(6):683–8

Epidemic cutaneous leishmaniasis in Tunisia: biochemical characterization of parasites [letter] Ben Ismail R, et al. **Trans R Soc Trop Med Hyg** 1986;80(4):669–70

HISTORY

Alexander Russell and the Aleppo ulcer. Gelpi AP. **Int J Dermatol** 1987 Mar;26(2):131–4

IMMUNOLOGY

Effect of lipopolysaccharide on intracellular killing of Leishmania enriettii and correlation with macrophage oxidative metabolism. Mauël J, et al. **Eur J Immunol** 1987 Feb;17(2):203–8

Suppression of interleukin-2 production by macrophages in genetically susceptible mice infected with Leishmania major. Cillari E, et al. **Infect Immun** 1986 Nov;54(2):386–94

Induction of delayed-type hypersensitivity to Leishmania major and the concomitant acceleration of disease development in progressive murine cutaneous leishmaniasis. Dhaliwal JS, et al. **Infect Immun** 1987 Mar; 55(3):645–51

Mycobacterium bovis BCG-induced protection against cutaneous and systemic Leishmania major infections of mice. Fortier AH, et al. **Infect Immun** 1987 Jul; 55(7):1707–14

Antibodies to basement membrane protein nidogen in Chagas' disease and American cutaneous leishmaniasis. Avila JL, et al. **J Clin Microbiol** 1986 Nov;24(5):775–8

Class immunoglobulins and complements (C3 & C4) in Egyptian form of cutaneous leishmaniasis. Morsy TA, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):71–80

Cutaneous leishmaniasis. The defect in T cell influx in BALB/c mice. McElrath MJ, et al. **J Exp Med** 1987 Feb 1;165(2):546–59

Circulating antibodies to mouse laminin in Chagas disease, American cutaneous leishmaniasis, and normal individuals recognize terminal galactosyl(alpha 1–3)-galactose epitopes. Towbin H, et al. **J Exp Med** 1987 Aug 1; 166(2):419–32

Distinctive cellular immunity in genetically susceptible BALB/c mice recovered from Leishmania major infection or after subcutaneous immunization with killed parasites. Liew FY, et al. **J Immunol** 1987 Jun 15;138(12):4450–6

Cellular and humoral immunity to Leishmania major in genetically susceptible mice after in vivo depletion of L3T4+ T cells. Sadick MD, et al. **J Immunol** 1987 Aug 15;139(4):1303–9

Modulation of the pattern of development of experimental disseminated leishmaniasis by Corynebacterium parvum. Hill JO. **J Leukocyte Biol** 1987 Feb;41(2):165–9

Antibody responses, as measured by the enzyme-linked immunosorbent assay (ELISA), in owl monkeys experimentally infected with Leishmania braziliensis panamensis. Lujan R, et al. **J Parasitol** 1987 Apr; 73(2):430–2

Macrophage function in patients with American cutaneous leishmaniasis: in vitro cytotoxicity and interleukin-1 production. Ridel PR, et al. **J Parasitol** 1987 Aug; 73(4):769–73

Attempts to assess the contribution of T lymphocytes from the L3T4+ and LYT2+ subsets in the immunological control of cutaneous leishmaniasis. Louis JA, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:255–61

Interleukin-2 production during murine infection by Leishmania mexicana amazonensis. Barral-Netto M, et al. **Mem Inst Oswaldo Cruz** 1986 Jan–Mar;81(1):43–7

Intracellular parasitism of macrophages in leishmaniasis: in vitro systems and their applications. Chang KP, et al. **Methods Enzymol** 1986;132:603–26

Evaluation of T-cell subsets in the lesion infiltrates of human cutaneous and mucocutaneous leishmaniasis. Barral A, et al. **Parasite Immunol** 1987 Jul;9(4):487–97

The correlation between delayed hypersensitivity, lymphocyte activation and protective immunity in experimental murine leishmaniasis. De Rossell RA, et al. **Parasite Immunol** 1987 Jan;9(1):105–15

Immunohistological investigations in chronic cutaneous leishmaniasis in Saudi Arabia. Veress B, et al. **Trop Geogr Med** 1986 Dec;38(4):380–5

A macrophage immunosuppression induced by Leishmania major in BALB/c mice. Al Mofleh IA. **Trop Med Parasitol** 1987 Jun;38(2):93–6

Cutaneous leishmaniasis in Ethiopia: I. Lymphocyte transformation and antibody titre. Schurr E, et al. **Trop Med Parasitol** 1986 Dec;37(4):403–8

Murine cutaneous leishmaniasis: comparative study on the capacity of macrophages from "healer" and "non-healer" mouse strains to control L. tropica replication. Streck H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Mar; 263(4):594–604

METABOLISM

Experimental cutaneous leishmaniasis. II. A possible role for prostaglandins in exacerbation of disease in Leishmania major-infected BALB/c mice. Farrell JP, et al. **J Immunol** 1987 Feb 1;138(3):902-7

OCCURRENCE

Natural focality of zoonotic cutaneous leishmaniasis in the Mongolian People's Republic; results and objectives of integrated research. Neronov VM, et al. **Folia Parasitol (Praha)** 1987;34(1):1-9

The structure of the nosorange of cutaneous leishmaniasis in the Old World (an experience in mapping, typology and zonation). Malkhazova SM, et al. **Geogr Med** 1986;16:27-44

Cutaneous leishmaniasis in North Sinai Governorate, Egypt. Morsy TA, et al. **J Egypt Soc Parasitol** 1987 Jun; 17(1):189-206

Lutzomyia youngi (Diptera: Psychodidae), a new phlebotomine sand fly previously misidentified as L. townsendi in endemic foci of cutaneous leishmaniasis in Venezuela and Costa Rica. Feliciangeli MD, et al. **J Med Entomol** 1987 Mar;24(2):141-6

[Epidemiological characteristics of American cutaneous leishmaniasis in an endemic region of the State of Bahia. III. Phlebotomine fauna] Vexenat JA, et al. **Mem Inst Oswaldo Cruz** 1986 Jul-Sep;81(3):293-301 (Eng. Abstr.) **(Por)**

[Results of the serological examination of the population in the suppressed focus of human cutaneous leishmaniasis (Kirovabad, Azerbaijan SSR)] Gasanzade GB, et al. **Med Parazitol (Mosk)** 1987 Jan-Feb;(1):60-2 (Eng. Abstr.) **(Rus)**

[Phlebotomus and leishmaniasis in the province of Almería] Sanchís Marín MC, et al. **Rev Sanid Hig Publica (Madr)** 1986 Nov-Dec; 60(11-12):1131-9 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Experimental infections of the multimammate rat (Mastomys natalensis) with Leishmania donovani and Leishmania major. Nolan TJ, et al. **Am J Trop Med Hyg** 1987 Mar; 36(2):264-9

Biological and biochemical characterization of tunicamycin-resistant Leishmania mexicana: mechanism of drug resistance and virulence. Kink JA, et al. **Infect Immun** 1987 Jul;55(7):1692-700

Effect of T-lymphocyte suppression on the parasite burden in Leishmania major-infected, genetically susceptible BALB/c mice. Solbach W, et al. **Infect Immun** 1986 Dec; 54(3):909-12

Effect of glucan on Leishmania major infection in BALB/c mice. Al Tuwaijri AS, et al. **J Med Microbiol** 1987 Jun; 23(4):363-5

Active cutaneous leishmaniasis in Brazil, induced by Leishmania donovani chagasi. Oliveira Neto MP, et al. **Mem Inst Oswaldo Cruz** 1986 Jul-Sep;81(3):303-9

Rate of Leishmania-induced skin-lesion development in rodents depends on the site of inoculation. Kirkpatrick CE, et al. **Parasitology** 1987 Jun;94 (Pt 3):451-65

Leishmania infantum sensu lato as an agent of cutaneous leishmaniasis in Abruzzi region (Italy). Gramiccia M, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):235-7

Two episodes of cutaneous leishmaniasis in man caused by different zymodemes of Leishmania infantum s.l. [letter] Rioux JA, et al. **Trans R Soc Trop Med Hyg** 1986; 80(6):1004-5

Monoclonal antibody identification of Leishmania tropica from Sudanese mucosal leishmaniasis. Mohammed el-A, et al. **Trop Med Parasitol** 1987 Mar;38(1):34-6

[Attempt at cryogenic preservation of the amastigote stage of Leishmania major in the ear skin of experimentally infected golden hamsters (Mesocricetus auratus)] Passova OM, et al. **Med Parazitol (Mosk)** 1986 Jul-Aug;(4):45-6 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Histopathologic changes induced by vaccination in experimental cutaneous leishmaniasis of BALB/c mice. Barral-Netto M, et al. **Am J Pathol** 1987 May;127(2):271-8

Dissemination in cutaneous leishmaniasis. I. Subcutaneous nodules. Kubba R, et al. **Int J Dermatol** 1987 Jun; 26(5):300-4

Distribution and turnover of Langerhans cells during delayed immune responses in human skin. Kaplan G, et al. **J Exp Med** 1987 Mar 1;165(3):763-76

Experimental American leishmaniasis in the Brazilian squirrel monkey (Saimiri sciureus): lesions, hematology, cellular, and humoral immune responses. Pung OJ, et al. **J Med Primatol** 1987;16(3):165-74

Disseminated cutaneous leishmaniasis in a field clinic in Bahia, Brazil: a report of eight cases. Costa JM, et al. **J Trop Med Hyg** 1986 Dec;89(6):319-23

[Needle aspiration biopsy in the diagnosis of cutaneous leishmaniasis] Vouldoukis I, et al. **Presse Med** 1987 Jan 24;16(2):76-7 (Eng. Abstr.) **(Fre)**

[Cutaneous leishmaniasis: description of a case and ultrastructural study] Montaguti A, et al. **Pathologica** 1986 Jul-Aug;78(1056):479-88 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Different patterns of disease in two inbred mouse strains infected with a clone of Leishmania mexicana amazonensis. Barral-Netto M, et al. **Acta Trop (Basel)** 1987 Mar; 44(1):5-11

PREVENTION & CONTROL

Specific immunization of mice against Leishmania mexicana amazonensis using solubilized promastigotes. Barral-Netto M, et al. **Clin Exp Immunol** 1987 Jan;67(1):11-9

Controlled field trials of a vaccine against New World cutaneous leishmaniasis. Antunes CM, et al. **Int J Epidemiol** 1986 Dec;15(4):572-80

Vaccination against cutaneous leishmaniasis in a murine model. I. Induction of protective immunity with a soluble extract of promastigotes. Scott P, et al. **J Immunol** 1987 Jul 1;139(1):221-7

Inhibition in vivo of both infective Leishmania major and L. mexicana amazonensis mediated by a single monoclonal antibody. Debons-Guillemin MC, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):258-60

Lack of effect of antimalarial prophylaxis with chloroquine or amodiaquine in cutaneous leishmaniasis in French Guiana [letter] Dedet JP, et al. **Trans R Soc Trop Med Hyg** 1986;80(3):490

Further trials of a vaccine against American cutaneous leishmaniasis [letter] Mayrink W, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):1001

Immunoprophylaxis against Leishmania infections with a semi-purified antigen [letter] Monjour L, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):1013

Application of an in vivo culture system for rapid demonstration of anti-Leishmania activity of monoclonal antibodies. Monjour L, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):210-1

[Evaluation of a cutaneous leishmaniasis control program in a forest village of French Guyana] Esterre P, et al. **Bull WHO** 1986;64(4):559-65 (Eng. Abstr.) **(Fre)**

[Transformation of a natural focus of zoonotic cutaneous leishmaniasis as affected by the agricultural reclamation of virgin lands of the Golodnaya Steppe] Alekseev AN, et al. **Med Parazitol (Mosk)** 1986 Jul-Aug;(4):41-5 (Eng. Abstr.) **(Rus)**

[Basic results of the fulfillment of the field program, "Development and practical implementation of scientific principles of leishmaniasis control"]Dergacheva TI, et al. **Med Parazitol (Mosk)** 1987 Jan-Feb;(1):56-9 (Eng. Abstr.) **(Rus)**

[Chemical prevention of zoonotic cutaneous leishmaniasis with chloridin] Khalrulin Fla, et al. **Med Parazitol (Mosk)** 1987 Mar-Apr;(2):51-4 (Eng. Abstr.) **(Rus)**

RADIOTHERAPY

Treatment of cutaneous leishmaniasis with infrared heat. Junaid AJ. **Int J Dermatol** 1986 Sep;25(7):470-2

SURGERY

Cryotherapy in acute cutaneous leishmaniasis. Leibovici V, et al. **Int J Dermatol** 1986 Sep;25(7):473-5

THERAPY

Oriental sore. A look at trends in and approaches to the treatment of leishmaniasis. Chong H. **Int J Dermatol** 1986 Dec;25(10):615-23 (63 ref.)

Immunotherapy versus chemotherapy in localised cutaneous leishmaniasis. Convit J, et al. **Lancet** 1987 Feb 21; 1(8530):401-5

The development of a vaccination model using two microorganisms and its application in leprosy and leishmaniasis. Convit J, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:263-73

TRANSMISSION

The effect of post-bloodmeal nutrition of Phlebotomus papatasi on the transmission of Leishmania major. Warburg A, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):926-30

Animal reservoirs of cutaneous leishmaniasis in North Sinai, Egypt [letter] Morsy TA, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):415-6

Experimental transmission of Leishmania mexicana by a North American sand fly, Lutzomyia anthophora (Diptera: Psychodidae). Endris RG, et al. **J Med Entomol** 1987 Mar; 24(2):243-7

Experimental transmission of Leishmania mexicana to hamsters by bites of phlebotomine sand flies (Diptera: Psychodidae) from the United States. Lawyer PG, et al. **J Med Entomol** 1987 Jul;24(4):458-62

The susceptibility of wild caught sand flies to infection by a subspecies of Leishmania mexicana isolated from Proechimys iheringi denigratus (Rodentia, Echimyidae). Barretto AC, et al. **Mem Inst Oswaldo Cruz** 1986 Apr-Jun; 81(2):235-6

Experimental infection of Lutzomyia longipalpis fed on a patient with cutaneous leishmaniasis due to Leishmania mexicana amazonensis. Deane LM, et al. **Mem Inst Oswaldo Cruz** 1986 Jan-Mar;81(1):133-4

Ecological aspects of American cutaneous leishmaniasis. 4. Observations on the endophilic behavior of the sandfly and the vectorial role of Psychodopygus intermedius in the Ribeira Valley region of the S. Paulo State, Brazil. Gomes A de C, et al. **Rev Saude Publica** 1986 Aug;20(4):280-7

[An entomological survey in the focus of zoonotic cutaneous leishmaniasis (Leishmania major) of Sidi Bouzid (Tunisia) in 1985] Helal H, et al. **Bull Soc Pathol Exot Filiales** 1987; 80(3):349-56 (Eng. Abstr.) **(Fre)**

[Participation of the dog in the cycle of transmission of cutaneous leishmaniasis in the municipality of Viana, State of Espirito Santo, Brazil] Falqueto A, et al. **Mem Inst Oswaldo Cruz** 1986 Apr-Jun;81(2):155-63 (Eng. Abstr.) **(Por)**

[Phlebotomus of Vargem Grande, a focus of cutaneous leishmaniasis in the State of Rio de Janeiro] Rangel EF, et al. **Mem Inst Oswaldo Cruz** 1986 Jul-Sep;81(3):347-9 (Eng. Abstr.) **(Por)**

[Sandflies (Diptera, Phlebotominae)--carriers of the agents of leishmaniasis in the Taldy-Kurgan region of the Kazakh S.S.R.] Dergacheva II, et al. **Med Parazitol (Mosk)** 1987 Mar-Apr;(2):59-62 (Eng. Abstr.) **(Rus)**

VETERINARY

Dermal leishmaniasis in a Texas cat. Craig TM, et al. **Am J Trop Med Hyg** 1986 Nov;35(6):1100-2

Natural infections of Leishmania major in domestic dogs from Alexandria, Egypt. Morsy TA, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):49-52

Leishmaniasis in Sardinia. I. Observations on a larval breeding site of Phlebotomus perniciosus, Phlebotomus perfiliewi perfiliewi and Sergentomyia minuta (Diptera: Psychodidae) in the canine leishmaniasis focus of Soleminis (Cagliari). Bettini S, et al. **Ann Trop Med Parasitol** 1986 Jun;80(3):307-15

Cutaneous leishmaniasis is frequent in equines from an endemic area in Rio de Janeiro, Brazil. Aguilar CM, et al. **Mem Inst Oswaldo Cruz** 1986 Oct-Dec;81(4):471-2

Preliminary serological study on canine leishmaniasis in the Alpes-Martimes Département, France [letter] Jambou D, et al. **Trans R Soc Trop Med Hyg** 1986;80(4):666-7

Leishmania infecting man and wild animals in Saudi Arabia. 3. Leishmaniasis in Psammomys obesus Cretzschmar in Al-Ahsa oasis. Elbihari S, et al. **Trop Med Parasitol** 1987 Jun;38(2):89-92

[What is your diagnosis? What measures do you recommend?] Arnold P, et al. **Schweiz Arch Tierheilkd** 1986 Sep; 128(9):487-8 **(Ger)**

[A case of dermatomyositis due to leishmaniasis in a dog] Macrì B, et al. **Schweiz Arch Tierheilkd** 1987 May; 129(5):265-70 (Eng. Abstr.) **(Ita)**

[Cutaneous leishmaniasis in a mule (Equus caballus x Equus asinus) in an endemic area of the State of Rio de Janeiro] Aguilar CM, et al. **Mem Inst Oswaldo Cruz** 1986 Apr-Jun; 81(2):239-40 (Eng. Abstr.) **(Por)**

LEISHMANIASIS, CUTANEOUS see LEISHMANIASIS

LEISHMANIASIS, MUCOCUTANEOUS

DIAGNOSIS

Diagnosis of cutaneous and mucocutaneous leishmaniasis in Colombia: a comparison of seven methods. Weigle KA, et al. **Am J Trop Med Hyg** 1987 May;36(3):489-96

Evaluation of dot enzyme-linked immunosorbent assay for mucocutaneous leishmaniasis and comparison with microplate enzyme immunoassay. Guimarães MC, et al. **J Clin Microbiol** 1986 Sep;24(3):364-7

Serodiagnosis of Sudanese visceral and mucosal leishmaniasis: comparison of ELISA--immunofluorescence and indirect haemagglutination. el Amin ER, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):271-4

Mucosal leishmaniasis ("espundia" Escomel, 1911)Marsden PD. **Trans R Soc Trop Med Hyg** 1986;80(6):859-76 (136 ref.)

IMMUNOLOGY

Immunization of hamsters with TLCK-killed parasites induces protection against Leishmania infection. O'Daly JA, et al. **Acta Trop (Basel)** 1986 Sep;43(3):225-36

Blastogenic responses of peripheral blood leukocytes from owl monkeys experimentally infected with Leishmania braziliensis panamensis. Lujan R, et al. **Am J Trop Med Hyg** 1986 Nov;35(6):1103-9

Evaluation of T-cell subsets in the lesion infiltrates of human cutaneous and mucocutaneous leishmaniasis. Barral A, et al. **Parasite Immunol** 1987 Jul;9(4):487-97

[Histopathology of tegumentary leishmaniasis caused by Leishmania braziliensis braziliensis. 2. Tissue humoral response] de Magalhães AV, et al. **Rev Inst Med Trop Sao Paulo** 1986 Sep-Oct;28(5):293-9 (Eng. Abstr.) **(Por)**

OCCURRENCE

Epidemiology of American cutaneous leishmaniasis due to Leishmania braziliensis braziliensis. Jones TC, et al. **J Infect Dis** 1987 Jul;156(1):73-83

PARASITOLOGY

Failure to detect circulating Leishmania in mucocutaneous leishmaniasis due to Leishmania braziliensis braziliensis [letter] Cuba-Cuba CA, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):346

Monoclonal antibody identification of Leishmania tropica from Sudanese mucosal leishmaniasis. Mohammed el-A, et al. **Trop Med Parasitol** 1987 Mar;38(1):34-6

[In vitro culture as a practical tool for the diagnosis and primary isolation of Leishmania braziliensis braziliensis. 2. Studies in patients in endemic areas] Cuba Cuba CA, et al. **Rev Inst Med Trop Sao Paulo** 1986 Sep-Oct; 28(5):317-24 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Experimental American leishmaniasis in the Brazilian squirrel monkey (Saimiri sciureus): lesions, hematology, cellular, and humoral immune responses. Pung OJ, et al. **J Med Primatol** 1987;16(3):165-74

[Histopathology of cutaneous leishmaniasis by Leishmania braziliensis braziliensis. 1. Histopathological patterns and study of the course of the lesions] de Magalhães AV, et al. **Rev Inst Med Trop Sao Paulo** 1986 Jul-Aug;28(4):253-62 (Eng. Abstr.) **(Por)**

[Histopathology of tegumentary leishmaniasis caused by Leishmania braziliensis braziliensis. 3. Cellular reactions in tissues] de Magalhães AV, et al. **Rev Inst Med Trop Sao Paulo** 1986 Sep-Oct;28(5):300-11 (Eng. Abstr.) **(Por)**

[Histopathology of cutaneous leishmaniasis caused by Leishmania braziliensis braziliensis. 4. Histopathological classification] de Magalhães AV, et al. **Rev Inst Med Trop Sao Paulo** 1986 Nov-Dec;28(6):421-30 (Eng. Abstr.) **(Por)**

TRANSMISSION

Leishmaniasis in Bolivia. II. The involvement of Psychodopygus yucumensis and Psychodopygus llanosmartinsi in the selvatic transmission cycle of Leishmania braziliensis braziliensis in a lowland subandean region. Le Pont F, et al. **Mem Inst Oswaldo Cruz** 1986 Jul-Sep;81(3):311-8

[Experimental infection of Lutzomyia whitmani in dogs infected with Leishmania braziliensis braziliensis] Vexenat JA, et al. **Mem Inst Oswaldo Cruz** 1986 Jan-Mar; 81(1):125-6 (Eng. Abstr.) **(Por)**

VETERINARY

[Natural infection of Equus asinus by Leishmania braziliensis braziliensis-Bahia, Brazil] Vexenat JA, et al. **Mem Inst Oswaldo Cruz** 1986 Apr-Jun;81(2):237-8 (Eng. Abstr.) **(Por)**

LEISHMANIASIS, VISCERAL

A case of kala azar in Saudi Arabia [letter] el Sebai MM. **J Egypt Soc Parasitol** 1987 Jun;17(1):411

[An original case of visceral leishmaniasis (letter)] Serrão Neto A, et al. **Presse Med** 1986 Jul 5-12;15(27):1286 **(Fre)**

BLOOD

Visceral leishmaniasis presenting as dyserythropoiesis associated with increased i-antigenicity of erythrocytes. Olivieri O, et al. **Haematologica (Pavia)** 1987 Mar-Apr; 72(2):163-5

A simple method for assessing the binding of concanavalin A to mononuclear cell surfaces: no interference of visceral leishmaniasis serum on this binding. Barral-Netto M, et al. **Mem Inst Oswaldo Cruz** 1986 Jul-Sep;81(3):343-5

Haematological investigations in visceral leishmaniasis. Kager PA, et al. **Trop Geogr Med** 1986 Dec;38(4):371-9

COMPLICATIONS

Mechanism of anaemia in resistant visceral leishmaniasis. Pippard MJ, et al. **Ann Trop Med Parasitol** 1986 Jun; 80(3):317-23

Leishmaniasis in a HIV (LAV/HTLV III) serologically positive patient [letter] Blázquez J, et al. **J Infect** 1987 Jan; 14(1):89-90

Visceral leishmaniasis complicating acquired immunodeficiency syndrome (AIDS) [letter] Clauvel JP, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):1010-1

[An unusual cause of fever in Brittany (letter)] Gentric A, et al. **Presse Med** 1987 Jan 31;16(3):130 **(Fre)**

[Mediterranean visceral leishmaniasis associated with chronic myeloid leukemia] Abdeladhim A, et al. **Tunis Med** 1986 May;64(5):491-2 (Eng. Abstr.) **(Fre)**

[Leishmaniasis associated with acquired immunodeficiency syndrome (letter)] Franco-Vicario R, et al. **Med Clin (Barc)** 1987 Apr 11;88(14):565-6 **(Spa)**

[Visceral leishmaniasis associated with positive anti-HTLV III antibody (letter)] Verdejo J, et al. **Rev Clin Esp** 1987 Mar;180(4):221 **(Spa)**

DIAGNOSIS

Unusual features in kala-azar: a case report. Chowdhury AH, et al. **Bangladesh Med Res Counc Bull** 1986 Dec; 12(2):99-104

Field use of the Dot-ELISA test for visceral leishmaniasis in Honduras. Walton BC, et al. **Bull Pan Am Health Organ** 1986;20(2):147-56

Routine dot-blot assay of multiple serum samples using a simple apparatus. Zalis M, et al. **J Immunol Methods** 1987 Aug 3;101(2):261-4

Visceral leishmaniasis in a renal transplant recipient: a diagnostic and therapeutic challenge [letter] Aguado JM, et al. **J Infect** 1986 Nov;13(3):301-3

Kala-azar in a Singaporean. Tay HH, et al. **Singapore Med J** 1986 Aug;27(4):344-6

Serodiagnosis of Sudanese visceral and mucosal leishmaniasis: comparison of ELISA--immunofluorescence and indirect haemagglutination. el Amin ER, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):271-4

A simple and economical direct agglutination test for serodiagnosis and sero-epidemiological studies of visceral leishmaniasis. Harith AE, et al. **Trans R Soc Trop Med Hyg** 1986;80(4):583-36

Visceral leishmaniasis presenting as fever of unknown origin. Siegman-Igra Y, et al. **Trop Geogr Med** 1987 Jan;39(1):70-2

[Detecting L. donovani circulating antigen by McAb in the diagnosis of kala-azar] Hu XS, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Mar;17(1):1-4 (Eng. Abstr.) **(Chi)**

[Visceral leishmaniasis in the adult (apropos of 3 cases)] Adnaoui M, et al. **Maroc Med** 1986 Dec;8(4):430-7 (Eng. Abstr.) **(Fre)**

[Visceral leishmaniasis in systemic lupus erythematosus] Altozano JG, et al. **Med Clin (Barc)** 1987 Mar 14; 88(10):417-8 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Activity of purine analogs against Leishmania donovani in vivo. Berman JD, et al. **Antimicrob Agents Chemother** 1987 Jan;31(1):111-3

Antileishmanial activity of liposome-encapsulated amphotericin B in hamsters and monkeys. Berman JD, et al. **Antimicrob Agents Chemother** 1986 Dec;30(6):847-51

Chemotherapy of leishmaniasis in India. Thakur CP. **Indian J Pediatr** 1987 Jan-Feb;54(1):7-10

Prolonged sodium stibogluconate therapy in Indian kala-azar. Jha TK, et al. **J Assoc Physicians India** 1986 Jul;34(7):469-71

Drug-induced ventricular tachycardia in kala-azar. Krishnan S, et al. **J Indian Med Assoc** 1987 Feb;85(2):52-4

Harmful effect of high stibogluconate treatment of kala-azar in India [letter] Thakur CP. **Trans R Soc Trop Med Hyg** 1986;80(4):672-3

Treatment of visceral leishmaniasis in Bihar. Thakur CP. **Trop Doct** 1986 Oct;16(4):146-7

ETIOLOGY

Kala-azar in Egypt and its cause [letter] Schnur LF. **Trans R Soc Trop Med Hyg** 1986;80(4):671-2

[Visceral leishmaniasis in patients addicted to parenteral drugs, HIV positive] Martínez Fernández R, et al. **Med Clin (Barc)** 1987 Mar 28;88(12):509-11 (Eng. Abstr.) **(Spa)**

[Visceral leishmaniasis of fatal outcome associated with HTLV-III infection (letter)] Medrano González F, et al. **Med Clin (Barc)** 1986 Nov 29;87(18):780-1 **(Spa)**

IMMUNOLOGY

B lymphocyte population and immunoglobulins in Indian kala-azar in response to chemotherapy. Neogy AB, et al. **Acta Trop (Basel)** 1986 Sep;43(3):237-44

Immunization of hamsters with TLCK-killed parasites induces protection against Leishmania infection. O'Daly JA, et al. **Acta Trop (Basel)** 1986 Sep;43(3):225-36

Contribution of adherent cells and serum components to immune suppression in Kenyan visceral leishmaniasis. Koech DK, et al. **Am J Trop Med Hyg** 1987 May; 36(3):501-4

Subpopulations of T lymphocytes in Kenyan patients with visceral leishmaniasis. Koech DK. **Am J Trop Med Hyg** 1987 May;36(3):497-500

Humoral factors during South American visceral leishmaniasis. Pearson RD, et al. **Ann Trop Med Parasitol** 1986 Aug;80(4):465-8

Nature and incidence of erythrocyte-bound IgG and some aspects of the physiopathogenesis of anaemia in American visceral leishmaniasis. Pontes De Carvalho LC, et al. **Clin Exp Immunol** 1986 Jun;64(3):495-502

Occurrence of autoantibodies to intermediate filament proteins in human visceral leishmaniasis and their induction by experimental polyclonal B-cell activation. Böhme MW, et al. **Immunology** 1986 Dec;59(4):583-8

Acquisition of cell-mediated immunity to Leishmania. I. Primary T-cell activation detected by IL-2 receptor expression. Kaye PM. **Immunology** 1987 Jul;61(3):345-9

Increased infectivity of stationary-phase promastigotes of Leishmania donovani: correlation with enhanced C3 binding capacity and CR3-mediated attachment to host macrophages. Wozencraft AO, et al. **Immunology** 1987 Apr; 60(4):559-63

Presence of a macrophage-mediated suppressor cell mechanism during cell-mediated immune response in experimental visceral leishmaniasis. Murray HW, et al. **Infect Immun** 1986 Nov;54(2):487-93

Experimental visceral leishmaniasis: production of interleukin 2 and interferon-gamma, tissue immune reaction, and response to treatment with interleukin 2 and interferon-gamma. Murray HW, et al. **J Immunol** 1987 Apr 1;138(7):2290-7

Identification of specific and cross-reactive antigens of Leishmania donovani chagasi by human infection sera. Reed SG, et al. **J Immunol** 1987 Mar 1;138(5):1596-601

Parasite-accessory cell interactions in murine leishmaniasis. II. Leishmania donovani suppresses macrophage expression of class I and class II major histocompatibility complex gene products. Reiner NE, et al. **J Immunol** 1987 Mar 15; 138(6):1926-32

Parasite accessory cell interactions in murine leishmaniasis. I. Evasion and stimulus-dependent suppression of the macrophage interleukin 1 response by Leishmania donovani. Reiner NE. **J Immunol** 1987 Mar 15; 138(6):1919-25

An analysis of T cell responsiveness in Indian kala-azar. Sacks DL, et al. **J Immunol** 1987 Feb 1;138(3):908-13

Tuberculin sensitivity in kala-azar [letter] Sharma VK, et al. **J Indian Med Assoc** 1987 Feb;85(2):61

In vitro granuloma formation in experimental visceral leishmaniasis [letter] Stern JJ, et al. **J Infect Dis** 1987 Sep; 156(3):533-4

Immune complex glomerulonephritis in experimental kala-azar. Sartori A, et al. **Parasite Immunol** 1987 Jan; 9(1):93-103

Anti-tubulin antibodies in visceral leishmaniasis [letter] Howard MK, et al. **Trans R Soc Trop Med Hyg** 1986; 80(3):493-4

Leishmanin test in Indian kala-azar. Neogy AB, et al. **Trans R Soc Trop Med Hyg** 1986;80(3):454-5

ELISA titres to polysaccharide antigens of Leishmania donovani promastigotes in kala-azar [letter] Ray R, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):998

[Detection of circulating antigens by McAb-AST for evaluation of the therapeutic effect of kala-azar cases] Hu XS, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Sep; 17(3):161-4 (Eng. Abstr.) **(Chi)**

[Investigation of non-specific immune suppression in DBA/1 mouse infected by L. donovani] Yi TL, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Mar;17(1):13-6 (Eng. Abstr.) **(Chi)**

[Parasite burden and immune response in kala-azar] Ben Rachid MS, et al. **Bull Soc Pathol Exot Filiales** 1987; 80(2):218-29 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Indigenously acquired human visceral leishmaniasis in Al Agamy (Alexandria Governorate) Egypt. Faris R, et al. **Ann Soc Belg Med Trop** 1986;66(4):325-9

Studies on leishmaniasis in China. Historical background, epidemiology, clinical aspects, legislature and control program. Zhong HL, et al. **Chin Med J [Engl]** 1986 Apr; 99(4):281-300 (59 ref.)

Visceral leishmaniasis: a worldwide disease. el Mauhoub M, et al. **Indian J Pediatr** 1987 Jan-Feb;54(1):97-101

Kala-azar in Bihar. Prasad LS. **Indian J Pediatr** 1987 Jan-Feb;54(1):103-10

A seroparasitological study of some latent parasitic infections among pilgrims 1405H (1985G). Ghaznawi HT, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):413-25

Immunological investigation of visceral leishmaniasis among school children in Alexandria. Kotkat A, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):449-56

A seroepidemiological study of visceral leishmaniasis in two different districts in Alexandria, Egypt. Soliman NK, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):251-8

Seroepidemiological study on kala-azar in Baringo District, Kenya. Jahn A, et al. **J Trop Med Hyg** 1986 Apr; 89(2):91-104

Visceral leishmaniasis in children. A new focus in Azad Kashmir. Saleem M, et al. **JPMA** 1986 Sep;36(9):230-3

[Infantile Mediterranean kala-azar in the southeast of France. Current considerations] Quilici M, et al. **Ann Pediatr (Paris)** 1987 May;34(5):369-73 (Eng. Abstr.) **(Fre)**

[Serological, clinical and epidemiologic analysis of 53 cases of kala-azar in the Arab Republic of Yemen] Daoud W, et al. **Bull Soc Pathol Exot Filiales** 1986;79(4):507-13 (Eng. Abstr.) **(Fre)**

[Visceral leishmaniasis in Santarem/PA: general aspects of the control, serological survey in dogs and treatment of the human cases] Senra MS, et al. **Rev Bras Malariol Doencas Trop** 1985;37:47-59 (Eng. Abstr.) **(Por)**

[Phlebotomus and leishmaniasis in the province of Almería] Sanchís Marín MC, et al. **Rev Sanid Hig Publica (Madr)** 1986 Nov-Dec; 60(11-12):1131-9 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Experimental infections of the multimammate rat (Mastomys natalensis) with Leishmania donovani and Leishmania major. Nolan TJ, et al. **Am J Trop Med Hyg** 1987 Mar; 36(2):264-9

Parasitaemia in Indian kala-azar--a preliminary report. Nandy A. **Ann Trop Med Parasitol** 1986 Aug;80(4):463-4

A new medium for large scale production of Leishmania donovani promastigotes for biochemical studies. Chaudhuri G, et al. **Indian J Med Res** 1986 Nov;84:457-60

Nutrition of Leishmania donovani donovani: growth in new semidefined & completely chemically defined media. ChaudhuriG, et al. **Indian J Med Res** 1986 Nov;84:461-8

Quantitative grading of Leishmania donovani amastigotes in bone marrow aspirates smears. Hati AK, et al. **Indian J Med Res** 1986 Sep;84:275-8

Cloning of a gene encoding the immunodominant surface antigen of Leishmania donovani promastigotes. Heath S, et al. **Mol Biochem Parasitol** 1987 Apr;23(3):211–22

Leishmania infantum, causative organism of visceral leishmaniasis at Biskra (Algeria) [letter] Belazzoug S. **Trans R Soc Trop Med Hyg** 1986;80(6):1002–3

[Strains of the causative agent of visceral leishmaniasis from southeastern Turkmenistan and the results of their trial with golden hamsters] Lesnikova EV, et al. **Med Parazitol (Mosk)** 1986 Sep–Oct;(5):51–4 (Eng. Abstr.) **(Rus)**

[Interaction of Leishmania donovani promastigotes with peritoneal exudate cells of mice as affected by chymotrypsin] Arcay L, et al. **Rev Inst Med Trop Sao Paulo** 1986 May–Jun;28(3):145–53 (Eng. Abstr.) **(Spa)**

PATHOLOGY

A case of visceral leishmaniasis. Gohel DR, et al. **J Assoc Physicians India** 1986 May;34(5):385–6

Ultrastructure of bone marrow in patients with visceral leishmaniasis. Wickramasinghe SN, et al. **J Clin Pathol** 1987 Mar;40(3):267–75

Early histopathology of experimental infection with Leishmania donovani in hamsters. Wilson ME, et al. **J Parasitol** 1987 Feb;73(1):55–63

Kala–azar in Multan (a case report). Noor NA, et al. **JPMA** 1986 Aug;36(8):212–3

Non–fatal leishmaniasis in a renal transplant recipient [letter] Lamas S, et al. **Nephron** 1987;45(1):71

Test and teach. Number fifty–five. Diagnosis: Visceral leishmaniasis (kala–azar), hepatic involvement. Andrion A, et al. **Pathology** 1986 Oct;18(4):378, 485–6

Acute form of visceral leishmaniasis in a 3–month–old infant. Moragas A, et al. **Pediatr Pathol** 1986;6(1):111–7

PHYSIOPATHOLOGY

Clinical profile of kala–azar in north Bihar. Barat D, et al. **J Indian Med Assoc** 1986 Dec;84(12):367–9

New perspectives on a subclinical form of visceral leishmaniasis. Badaro R, et al. **J Infect Dis** 1986 Dec; 154(6):1003–11

PREVENTION & CONTROL

Leishmania donovani: immunization against infection as a function of parasite growth phase. Jarecki–Black JC, et al. **Am J Trop Med Hyg** 1986 Nov;35(6):1117–20

Effect of hydroxyethyl starch (HES) in reducing parasite load in experimental visceral leishmaniasis. Jarecki–Black JC, et al. **Ann Clin Lab Sci** 1986 Nov–Dec;16(6):450–4

[Basic results of the fulfillment of the field program, "Development and practical implementation of scientific principles of leishmaniasis control"]Dergacheva TI, et al. **Med Parazitol (Mosk)** 1987 Jan–Feb;(1):56–9 (Eng. Abstr.) **(Rus)**

TRANSMISSION

Sand flies (Diptera: Psychodidae) associated with visceral leishmaniasis in El Agamy, Alexandria Governorate, Egypt. I. Population ecology. Beier JC, et al. **J Med Entomol** 1986 Dec 4;23(6):600–8

Sand flies (Diptera: Psychodidae) associated with visceral leishmaniasis in El Agamy, Alexandria Governorate, Egypt. III. Experimental Leishmania infections and vector status. Beier JC, et al. **J Med Entomol** 1986 Dec 4; 23(6):616–21

Sand flies (Diptera: Psychodidae) associated with visceral leishmaniasis in El Agamy, Alexandria Governorate, Egypt. II. Field behavior. el Said S, et al. **J Med Entomol** 1986 Dec 4;23(6):609–15

Leishmaniasis in Sardinia: II. Natural infection of Phlebotomus perniciosus Newstead, 1911, by Leishmania infantum Nicolle, 1908, in the province of Cagliari. Bettini S, et al. **Trans R Soc Trop Med Hyg** 1986;80(3):458–9

[The sandfly fauna and its role in transmission of kala azar in four landscape zones of the Aksu region, Xinjiang] Guan LR, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(3):169–72 (Eng. Abstr.) **(Chi)**

VETERINARY

Interstitial pneumonitis in canine visceral leishmaniasis. Duarte MI, et al. **Rev Inst Med Trop Sao Paulo** 1986 Nov–Dec;28(6):431–6

Canine interstitial pneumonitis in a new endemic area of visceral leishmaniasis in western Brazil [letter] Duarte MI, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):992–3

Canine leishmaniasis in Morocco with special reference to infantile kala–azar. Kirmse P, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):212–3

LEISURE ACTIVITIES

Leisure time physical activity assessment of American adults through an analysis of time diaries collected in 1981. Brooks CM. **Am J Public Health** 1987 Apr;77(4):455–60

Assessment of leisure time exercise behavior by self–report: a concurrent validity study. Godin G, et al. **Can J Public Health** 1986 Sep–Oct;77(5):359–62

Nature hikes for nursing home residents. Morganett BA. **Geriatr Nurs (New York)** 1987 Jul–Aug;8(4):178–9

Later life leisure: how they play in Peoria. Kelly JR, et al. **Gerontologist** 1986 Oct;26(5):531–7

Rural–urban differences in senior center activities and services. Krout JA. **Gerontologist** 1987 Feb;27(1):92–7

Computerized assessment of preference for severely handicapped individuals. Dattilo J. **J Appl Behav Anal** 1986 Winter;19(4):445–8

Prediction of leisure–time exercise behavior: a path analysis (LISREL V) model. Godin G, et al. **J Behav Med** 1987 Apr;10(2):145–58

Leisure: a moral imperative. Fain GS. **Ment Retard** 1986 Oct; 24(5):261–3

[Danger of infection in leisure–time walking and running] Weber A. **Off Gesundheitswes** 1987 Feb;49(2):84–7 (Eng. Abstr.) **(Ger)**

[Hygienic recommendations for establishing optimal microclimatic conditions in extracurricular club rooms] Sergeta VN, et al. **Gig Sanit** 1987 May;(5):79–80 **(Rus)**

LEMMINGS see **CRICETIDAE**

LEMMUS see **CRICETIDAE**

LEMUR see under **LEMURIDAE**

LEMUR, DWARF see **LEMURIDAE**

LEMUR, MOUSE see **LEMURIDAE**

LEMURIDAE

The aye–aye (Daubentonia madagascariensis) found in the eastern rainforest of Madagascar. Ganzhorn JU, et al. **Folia Primatol (Basel)** 1986;46(3):125–6

Population ecology of the ring–tailed lemur, Lemur catta, and the white sifaka, Propithecus verreauxi verreauxi, at Berenty, Madagascar, 1981. Howarth CJ, et al. **Folia Primatol (Basel)** 1986;47(1):39–48

[Malaria in Lemuridae] Rabetafika L, et al. **Arch Inst Pasteur Madagascar** 1986;52(1):85–100 **(Fre)**

BLOOD

Prosimian hemoglobins. III. The primary structures of the duplicated alpha–globin chains of Lemur variegatus. Coppenhaver DH, et al. **Biochim Biophys Acta** 1986 Oct 17;873(3):372–8

PARASITOLOGY

[Discovery of a protist parasite, apparently akin to Acrasiae, in the genital tract and various organs of primates] Chauvier G, et al. **Ann Parasitol Hum Comp** 1986; 61(4):401–10 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Telemetered electromyography of the fast and slow extensors of the leg of the brown lemur (Lemur fulvus). Anapol FC, et al. **J Exp Biol** 1987 Jul;130:341–58

LEMURIFORMES see **PROSIMII**

LEMUROIDEA see **PROSIMII**

LENGTH OF STAY

Impact of psychiatric comorbidity on length of hospital stay for medical/surgical patients: a preliminary report. Fulop G, et al. **Am J Psychiatry** 1987 Jul;144(7):878–82

Brief psychiatric hospitalization: what are its effects? Lieberman PB, et al. **Am J Psychiatry** 1986 Dec; 143(12):1557–62

Early discharge after mastectomy. A safe way of diminishing hospital costs. Orr RK, et al. **Am Surg** 1987 Mar;53(3):161–3

Length of hospital stay for routine surgery [letter] Lannin DR. **Arch Surg** 1987 Jan;122(1):120–1

Discharge within 24 hours of elective cholecystectomy. The first 100 patients. Moss G. **Arch Surg** 1986 Oct; 121(10):1159–61

Acute asthma in Asian patients: hospital admissions and duration of stay in a district with a high immigrant population. Ayres JG. **Br J Dis Chest** 1986 Jul;80(3):242–8

Arriving, settling–in, settling–down, leaving and following–up: stages of stay at the Arbours Centre. Berke JH. **Br J Med Psychol** 1987 Jun;60 (Pt 2):181–8

Cognitive impairment, emotional disorder and length of stay of elderly patients in a district general hospital. Johnston M, et al. **Br J Med Psychol** 1987 Jun;60 (Pt 2):133–9

Evaluating hospital performance through simultaneous application of several indicators. Pabón Lasso H. **Bull Pan Am Health Organ** 1986;20(4):341–57

Complications of tonsillectomy and adenoidectomy in 9409 children observed overnight. Crysdale WS, et al. **Can Med Assoc J** 1986 Nov 15;135(10):1139–42

Factors influencing the utilization of general medical wards by the elderly, Wellington Hospital Board area. Carter H, et al. **Community Health Stud** 1986;10(3 Suppl):12s–19s

Length of stay in nursing homes. Doobov A, et al. **Community Health Stud** 1986;10(3 Suppl):35s–41s

Turnover and length of stay in Victorian nursing homes: a baseline analysis. Phillips C. **Community Health Stud** 1986; 10(3 Suppl):42s–49s

VIP streamlines care and reduces length of stay. Eliasoph H, et al. **Dimens Health Serv** 1986 Oct;63(7):42–5

A review of issues surrounding length of psychiatric hospitalization. Caton CL, et al. **Hosp Community Psychiatry** 1987 Aug;38(8):858–63

Time–limited psychiatric hospitalization of children: a model and three–year outcome. Doherty MB, et al. **Hosp Community Psychiatry** 1987 Jun;38(6):643–7

Length of stay [letter] Schwarz C, et al. **Hosp Community Psychiatry** 1987 Feb;38(2):201

A methodology for predicting lengths of stay for spinal cord injury patients. Fine PR, et al. **Inquiry** 1987 Summer; 24(2):147–56

Acute epiglottitis: management by short duration of intubation and hospitalisation. Gerber AC, et al. **Intensive Care Med** 1986;12(6):407–11

Influence of patients' age on survival, level of therapy and length of stay in intensive care units. Nicolas F, et al. **Intensive Care Med** 1987;13(1):9–13

Geographical variations in unnecessary hospitalization of the elderly: the effects of local conditions. Ellencweig AY, et al. **Isr J Med Sci** 1986 Dec;22(12):855–60

Long–term hospitalization of nonorganic failure–to–thrive infants: patient characteristics and hospital course. Singer L. **J Dev Behav Pediatr** 1987 Feb;8(1):25–31

Timing hospital discharge following vaginal hysterectomy. Lucas J, et al. **J Fla Med Assoc** 1987 Apr;74(4):258–61

Childhood tonsillectomy and discharge after 24 hours. Herdman RC, et al. **J Laryngol Otol** 1986 Sep;100(9):1053–4

Hospital ownership and psychiatric services. Implications of ownership and reimbursement changes on lengths of stay and availability of services. Lyles CA, et al. **J Med Syst** 1987 Feb;11(1):45–57

Early discharge: outcomes of primiparas and their infants. Lemmer CM. **J Obstet Gynecol Neonatal Nurs** 1987 Jul–Aug;16(4):230–6

Improved nutritional management reduces length of hospitalization in intractable diarrhea. Smith AE, et al. **JPEN J Parenter Enteral Nutr** 1986 Sep–Oct;10(5):479–81

Reduction of redundant hospital stay through controlled intervention. Mozes B, et al. **Lancet** 1987 Apr 25; 1(8539):968–9

The lifetime risks and costs of nursing home use among the elderly. Cohen MA, et al. **Med Care** 1986 Dec; 24(12):1161–72

Length of stay in the VA. Long–term care in short–term hospitals. Wolinsky FD, et al. **Med Care** 1987 Mar; 25(3):250–3

Length of hospitalisation of aboriginal and non–aboriginal children in Western Australia, 1971–1979. Dibley M, et al. **Med J Aust** 1983 Jan 22;1(2):59–63

Early hospital discharge for very–low–birth–weight infants [letter] **N Engl J Med** 1987 Mar 5;316(10):629–30

Comparison of seven– and five–day physical therapy coverage in patients with acute orthopedic disorders. Holden MK, et al. **Phys Ther** 1987 Aug;67(8):1240–6

Relationship of illness and intensive hospital treatment to length of stay. Marcus E. **Psychiatr Clin North Am** 1987 Jun;10(2):247–55

Utilization of short–stay hospitals. United States, 1985. Annual summary. Graves EJ. **Vital Health Stat [13]** 1987 May;(91):1–59

Utilization of short–stay hospitals by diagnosis–related groups. United States, 1980–84. Pokras R. **Vital Health Stat [13]** 1986 Jul;(87):1–45

Length of hospitalization for transurethral resections. Moffat NA. **Wis Med J** 1986 Sep;85(9):30

[Long–stay psychiatric patients in hospitals of the county of Aarhus. II. Assessment of the level of care] Barner–Rasmussen P, et al. **Ugeskr Laeger** 1987 Jun 1; 149(23):1552–5 (Eng. Abstr.) **(Dan)**

[Long–stay psychiatric patients in hospitals of the county of Aarhus. I. Social and clinical characteristics] Barner–Rasmussen P, et al. **Ugeskr Laeger** 1987 Jun 1; 149(23):1549–52 (Eng. Abstr.) **(Dan)**

[Standardized performance tests and prognosis of vocational rehabilitation] Foldspang A. **Ugeskr Laeger** 1987 Mar 16; 149(12):801–5 (Eng. Abstr.) **(Dan)**

[Long–stay psychiatric day patients in the county of Aarhus] Jensen H, et al. **Ugeskr Laeger** 1987 Jun 1;149(23):1556–9 (Eng. Abstr.) **(Dan)**

[Recalculation of bed occupancy ratio of short– and long–stay nursing home patients] Frijters D, et al. **Tijdschr Gerontol Geriatr** 1987 Jun;18(3):203–5 (Eng. Abstr.) **(Dut)**

[Length of stay in nursing homes. Arrangements in short– and long–term stays] Frijters D, et al. **Tijdschr Gerontol Geriatr** 1987 Feb;18(1):15–20 (Eng. Abstr.) **(Dut)**

[Discharge to the family milieu of low birth weight children. Analysis of an experience with "early discharge" in a neonatology unit] Lequien P, et al. **Arch Fr Pediatr** 1986 Aug–Sep;43(7):471–4 (Eng. Abstr.) **(Fre)**

[1 or 2 beds in middle and long stay units (letter)] Congy F. **Presse Med** 1987 Mar 14;16(9):451–2 **(Fre)**

[Long–term patients and the role of the geriatric service of the regional hospital] Tanzi F. **Rev Med Suisse Romande** 1987 Mar;107(3):213–21 **(Fre)**

[Change in the duration of hospitalization and hospitalization incidence of schizophrenic patients—an assessment of an older and younger generation of patients treated at social psychiatry departments] Gmür M. **Soz Praventivmed** 1987;

32(3):137–9 (Eng. Abstr.) (Ger)
[Relation of length of stay and mobility at discharge in femoral fractures near the hip in the elderly to social medicine and surgical and technical parameters] Kopp P. **Z Aratl Fortbild (Jena)** 1986;80(12):485–9 (Ger)
[Models of indication-controlled variation of treatment duration in inpatient therapy of alcoholic patients] Süss HM, et al. **Z Klin Psychol Psychopathol Psychother** 1986; 34(4):325–34 (Ger)
[Hospitalization in Turin for measles and related complications 1973–1983: medical and economic evaluation in relation to the opportunity for vaccination intervention] Moiraghi Ruggenini A, et al. **Boll Ist Sieroter Milan** 1986; 65(6):502–11 (Eng. Abstr.) (Ita)
[Epidemiology of measles and its complications in Italy. Personal experience with a hospital case load] Verrotti A, et al. **Pediatr Med Chir** 1986 Mar–Apr;8(2):209–13 (Eng. Abstr.) (Ita)
[Effect of organizational changes in psychiatric hospitals on the fate of long-stay patients] Stańczak T. **Psychiatr Pol** 1986 May–Jun;20(3):196–201 (Eng. Abstr.) (Pol)
[Correlation between the duration of hospitalization and the dynamics of social status in several categories of mental patient] Lăzărescu M, et al. **Rev Med Interna [Neurol Psihiatr]** 1987 Apr–Jun; 32(2):143–8 (Eng. Abstr.) (Rum)
[Average length of hospital stay and the criteria for discharge of gynecologic patients] Selezneva ND, et al. **Akush Ginekol (Mosk)** 1986 Sep;(9):72–8 (Rus)
[Intensification of the work of the surgical hospitals of a large city] Balda VD, et al. **Klin Khir** 1987;(5):25–7 (Rus)
[Retrospective analysis of the effects of corticosteroid therapy on the length of hospitalization of children with acute laryngotracheitis] Margan-Nikolić A. **Lijec Vjesn** 1987 Apr–May;109(4–5):156–7 (Eng. Abstr.) (Ser)

ECONOMICS

Need for better severity indexes of acute myocardial infarction under diagnosis-related groups. Barbash GI, et al. **Am J Cardiol** 1987 May 1;59(12):1052–6
Determinants of hospital cost and length of stay for patients undergoing electrophysiologic testing. Kay HR, et al. **Am J Cardiol** 1987 Aug 1;60(4):298–302
Reduced length and cost of hospital stay for major depression in patients treated with ECT. Markowitz J, et al. **Am J Psychiatry** 1987 Aug;144(8):1025–9
The relation of body weight to length of stay and charges for hospital services for patients undergoing elective surgery: a study of two procedures. Epstein AM, et al. **Am J Public Health** 1987 Aug;77(8):993–7
Impact of nutritional status on DRG length of stay. Robinson G, et al. **JPEN J Parenter Enteral Nutr** 1987 Jan–Feb; 11(1):49–51
[Economic substantiation of the expediency of simultaneous operations] Nagovitsyn ES, et al. **Vestn Khir** 1986 Nov; 137(11):110–1 (Rus)

TRENDS

Hospital stays by diagnosis related group for neurologic patients treated medically. Lagoe RJ. **Neurology** 1987 Jan; 37(1):139–45
Early and late discharge after hospital birth. A comparative study of parental background characteristics. Waldenström U, et al. **Scand J Soc Med** 1987;15(3):159–67
Inpatient utilization of short-stay hospitals by diagnosis. United States, 1984. Graves EJ. **Vital Health Stat [13]** 1987 Apr;(89):1–81

LENS CAPSULE, CRYSTALLINE see under **LENS, CRYSTALLINE**

LENS CORTEX, CRYSTALLINE see under **LENS, CRYSTALLINE**

LENS, CRYSTALLINE

see related
APHAKIA

Lenticular chrysiasis in oral chrysotherapy. Weidle EG. **Am J Ophthalmol** 1987 Feb 15;103(2):240–1
Vibrations can induce rupture of zonular fibers. Martin X. **Ophthalmologica** 1987;194(2–3):86–9
Glycol methacrylate sections of the crystalline lens. Anderson R, et al. **Stain Technol** 1986 Nov;61(6):381–2
Neodymium-YAG laser in the management of posterior capsular opacification—complications and current trends. MacEwen CJ, et al. **Trans Ophthalmol Soc UK** 1986;105 (Pt 3):337–44
[Dosimetry of the crystalline lens during examination of the sella turcica: comparison between conventional tomography and x-ray computed tomography] Louis O, et al. **Ann Radiol (Paris)** 1986;29(5):489–91 (Eng. Abstr.) (Fre)
[Diseases of the lens] Völker B. **Med Monatsschr Pharm** 1986 Sep;9(9):260–2 (Ger)

ABNORMALITIES

Map position of dysgenetic lens (dyl) locus on chromosome 4 in the mouse. Sanyal S, et al. **Genet Res** 1986 Dec; 48(3):199–200
Bilateral coloboma of lens in Marfan's syndrome. Mehrotra AS, et al. **Indian J Ophthalmol** 1985 May–Jun;33(3):201–2
[Microspherophakia—therapeutic aspects apropos of a familial case] Brasseur G, et al. **Bull Soc Ophtalmol Fr** 1985 Nov;85(11):1221–4 (Eng. Abstr.) (Fre)

ANALYSIS

The location of sulphydryl groups in alpha-crystallin. Augusteyn RC, et al. **Biochim Biophys Acta** 1987 Sep 2; 915(1):132–9
Distribution of the total and non-freezable water in rat lenses. Castoro JA, et al. **Exp Eye Res** 1986 Aug;43(2):185–91
Basement membrane collagen—evidence for a novel molecular packing. Barnard K, et al. **FEBS Lett** 1987 Feb 9;212(1):49–52
Sequence comparison of gamma-crystallins from the reptilian and other vertebrate species. Chiou SH, et al. **FEBS Lett** 1987 Aug 31;221(1):134–8
Crystallin mRNA product levels in lens undergoing reversal and inhibition of galactose cataracts. Hsu MY, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1413–21
Quantitation of membrane-associated crystallins from aging and cataractous human lenses. Takehana M, et al. **Invest Ophthalmol Vis Sci** 1987 May;28(5):780–4
Physicochemical characterization of lens crystallins from the carp and biochemical comparison with other vertebrate and invertebrate crystallins. Chiou SH, et al. **J Biochem (Tokyo)** 1987 Mar;101(3):751–9
Localization of the Goodpasture epitope to a novel chain of basement membrane collagen. Butkowski RJ, et al. **J Biol Chem** 1987 Jun 5;262(16):7874–7
Patterns of pigmentation in the eye lens of the deep-sea hatchetfish, Argyropelecus affinis Garman. McFall-Ngai M, et al. **J Comp Physiol [A]** 1986 Dec;159(6):791–800
Calf lens alpha-crystallin quaternary structure. A three-layer tetrahedral model. Tardieu A, et al. **J Mol Biol** 1986 Dec 20;192(4):711–24
Nonenzymatic glycosylation of lens in diabetic patients. Oimomi M, et al. **Kobe J Med Sci** 1986 Jun;32(3):91–6
Pseudoexfoliative material contains an elastic microfibrillar-associated glycoprotein. Streeten BW, et al. **Trans Am Ophthalmol Soc** 1986;84:304–20
[Energy dispersive X-ray analysis of senile cataract] Xu JM. **Chung Hua Yen Ko Tsa Chih** 1986 Sep;22(5):261–3 (Eng. Abstr.) (Chi)
[Differences in calcium-induced opacification between alpha, beta, and gamma crystallin solutions] Bando M, et al. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1514–20 (Eng. Abstr.) (Jpn)
[Cholesterol esters in plasma membrane of senile cataractous lens] Fujiwara H, et al. **Nippon Ganka Gakkai Zasshi** 1987 Feb;91(2):200–7 (Eng. Abstr.) (Jpn)
[Raman spectra detected from various parts of intact rat lens] Miyazaki H, et al. **Nippon Ganka Gakkai Zasshi** 1987 Apr; 91(4):437–41 (Eng. Abstr.) (Jpn)
[Chemotactic factor to polymorphonuclear leucocytes in the human lens. 6. Chemotactic factor in low molecular weight fractions] Tomoda T, et al. **Nippon Ganka Gakkai Zasshi** 1986 Aug;90(8):1110–4 (Eng. Abstr.) (Jpn)
[Chemotactic factor to polymorphonuclear leukocytes in the human lens. 7. Chemotactic factor leaked through the lens capsule] Tomoda T, et al. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1640–5 (Eng. Abstr.) (Jpn)
[Quantitative determination of copper, zinc, manganese and molybdenum in the normal crystalline lens and in senile cataract] Cernea P, et al. **Rev Chir [Oftalmol]** 1987 Jan–Mar;31(1):9–12 (Eng. Abstr.) (Rum)
[Lipid fluorophores of the crystalline lens in cataracts] Babizhaev MA, et al. **Biofizika** 1986 Jul–Aug;31(4):681–6 (Eng. Abstr.) (Rus)
[Spatial structure of gamma-crystallin IIIb from the calf lens at a resolution of 2.5 angstroms] Chirgadze IuN, et al. **Dokl Akad Nauk SSSR** 1986;290(2):492–5 (Rus)
[Approaches to the pathogenetic drug therapy of lens opacities] Badizhaev MA. **Vestn Oftalmol** 1986 Sep–Oct; 102(5):46–50 (Eng. Abstr.) (Rus)

ANATOMY & HISTOLOGY

Lens clarity after argon and neodymium-YAG laser iridotomy in the rabbit. Higginbotham EJ, et al. **Arch Ophthalmol** 1987 Apr;105(4):540–1
Slit-lamp studies of the rhesus monkey eye. I. Survey of the anterior segment. Koretz JF, et al. **Exp Eye Res** 1987 Feb;44(2):307–18
Effects of nutrition on age determination using eye lens weights. Teska WR, et al. **Growth** 1986 Autumn; 50(3):362–70

CYTOLOGY

Early and late mitogenic events induced by FGF on bovine epithelial lens cells are not triggered by hydrolysis of polyphosphoinositides. Moenner M, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):32–40
Formation of heterotypic adherens-type junctions between L-CAM-containing liver cells and A-CAM-containing lens cells. Volk T, et al. **Cell** 1987 Sep 11;50(6):987–94
Phosphorylation of ribosomal protein S6 during lens cell differentiation: correlation with translational efficiency. Vu ND, et al. **Curr Eye Res** 1987 May;6(5):703–8
Retention of lens specificity in long-term cultures of diploid rabbit lens epithelial cells. Reddan JR, et al. **Differentiation** 1986;33(2):168–74
c-myc mRNA is elevated as differentiating lens cells withdraw from the cell cycle. Nath P, et al. **Exp Cell Res** 1987 Mar;169(1):215–22
Alterations in crystallin gene expression during subculture of chick lens cells. Patek CE, et al. **Exp Eye Res** 1986 Oct;43(4):595–606
Patterns of crystallin expression during differentiation in vitro of several chick genotypes with different effects on lens cell growth rate. Patek CE, et al. **Exp Eye Res** 1986 Dec; 43(6):1111–26
Analysis of an inductive interaction between lens and neural retina in rats of different ages. Richardson NA, et al. **Exp Eye Res** 1986 Dec;43(6):1031–42
Methotrexate-anticollagen conjugate inhibits in vitro lens cell outgrowth. Hansen TJ, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1206–9
Comparative study of the effects of optic design on lens epithelium in vitro. Santos BA, et al. **J Cataract Refract Surg** 1987 Mar;13(2):127–30
Quantitative microlocalization of diffusible ions in normal and galactose cataractous rat lens by secondary ion mass spectrometry. Burns MS, et al. **J Microsc** 1986 Nov;144 (Pt 2):157–82
A newly established cell line of rabbit lens epithelium. Sasabe T, et al. **Jpn J Ophthalmol** 1986;30(4):367–75
Delta-crystallin genes become hypomethylated in postmitotic lens cells during chicken development. Sullivan CH, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):329–33
[Biochemical analysis related to proliferation of lens epithelial cells in sugar cataract] Kamiya M, et al. **Nippon Ganka Gakkai Zasshi** 1987 Apr;91(4):459–64 (Eng. Abstr.) (Jpn)

DRUG EFFECTS

Acute glucose-derived osmotic stress in rabbit lenses. Seland JH, et al. **Acta Ophthalmol (Copenh)** 1986 Oct;64(5):533–9
Effect of aldose reductase inhibitor (sorbinil) on integration of polyol pathway, pentose phosphate pathway, and glycolytic route in diabetic rat lens. Gonzalez AM, et al. **Diabetes** 1986 Nov;35(11):1200–5
The lens and cataract: clastogenic responses in epithelial cells of the organ-cultured rat lens. Geard CR, et al. **Environ Mutagen** 1987;9(2):111–22
Effect of calcium on the calf lens cytoplasm. Delaye M, et al. **Exp Eye Res** 1987 May;44(5):601–16
In vitro damage to rat lens by xanthine-xanthine oxidase: protection by ascorbate. Varma SD, et al. **Exp Eye Res** 1986 Dec;43(6):1067–76
Application of miniosmotic pumps for liposomal drug delivery to the ocular lens. Megaw JM, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1429–33
Effect of aspirin and vitamin E on phase separation in calf lens homogenate. Eccarius S, et al. **Ophthalmic Res** 1987; 19(2):65–71
Effects of dexamethasone phosphate on the formation of ester forms of riboflavin in the lens. Ono S, et al. **Ophthalmic Res** 1986;18(5):279–81
[Investigations of drug-related sulfhydryl oxidation in isolated rabbit lenses] Elstner EF, et al. **Ophthalmologica** 1986;193(4):236–41 (Eng. Abstr.) (Ger)

EMBRYOLOGY

An attempt to assay the state of determination by using transfected genes as probes in transdifferentiation of neural retina into lens. Kondoh H, et al. **Cell Differ** 1987 Mar; 20(2–3):203–7
Insulin and IGF receptors are developmentally regulated in the chick embryo eye lens. Bassas L, et al. **Exp Cell Res** 1987 Feb;168(2):561–6
Chromatin condensation and terminal differentiation process in embryonic chicken lens in vivo and in vitro. Sanwal M, et al. **Exp Cell Res** 1986 Dec;167(2):429–39
Transient appearance of and regional differences in apical cell surface materials during early morphogenesis of the chicken lens. Webster EH Jr, et al. **Histochem J** 1987 Apr; 19(4):203–9
Axolotl retina and lens development: mutual tissue stimulation and autonomous failure in the eyeless mutant retina. Cuny R, et al. **J Embryol Exp Morphol** 1986 Jul; 96:151–70
Small eyes (Sey): a homozygous lethal mutation on chromosome 2 which affects the differentiation of both lens and nasal placodes in the mouse. Hogan BL, et al. **J Embryol Exp Morphol** 1986 Sep;97:95–110
Crystallin gene expression and lentoid body formation in quail embryo neuroretina cultures transformed by the oncogenic retrovirus Mill Hill 2 or Rous sarcoma virus. Simonneau L, et al. **Mol Cell Biol** 1986 Nov;6(11):3704–10
Human fetal lens: wet and dry weight with increasing gestational age. Bours J, et al. **Ophthalmic Res** 1986; 18(6):363–8
Lentropin, a protein that controls lens fiber formation, is related functionally and immunologically to the insulin-like growth factors. Beebe DC, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2327–30
[Immunological perturbation of craniofacial morphogenesis in vitro] Ogou S. **Kokubyo Gakkai Zasshi** 1987 Mar; 54(1):37–46 (Eng. Abstr.) (Jpn)
[Growth and differentiation of cortical cells of the crystalline

lens of the bovine fetus in tissue culture] Veroman SA. **Arkh Anat Gistol Embriol** 1986 Oct;91(10):28–37 (Eng. Abstr.) **(Rus)**

[Mutant gene expression in murine aggregation chimeras. 7. The effect of the aphakia gene—disorder in the formation of the crystalline capsule] Kupriianov SD, et al. **Ontogenez** 1986 Nov–Dec;17(6):658–63 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Limited proteolysis of gap junction protein is intrinsic in mammalian lens fiber–cell plasma membranes. Alcala J, et al. **Biochem Biophys Res Commun** 1987 Sep 15; 147(2):846–53

Purified rat lens aldose reductase. Polyol production in vitro and its inhibition by aldose reductase inhibitors. Kador PF, et al. **Biochem J** 1986 Nov 15;240(1):233–7

Induction of spermidine/spermine N1–acetyltransferase in needle–punctured rat lens as a model of traumatic cataract. Maekawa S, et al. **Biochim Biophys Acta** 1986 Oct 1; 883(3):501–5

Chemical and pharmaceutical studies on medicinal plants in Paraguay. I. Isolation and identification of lens aldose reductase inhibitor from "tapecué," Acanthospermum australe O.K. Shimizu M, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar;35(3):1234–7

Reaction and inhibition mechanisms of aldose reductase from rabbit lens. Tanimoto T, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4183–9

Oxidative damage to human lens enzymes. Jedziniak J, et al. **Curr Eye Res** 1987 Feb;6(2):345–50

Lactate dehydrogenase activity and its isoenzymes in concentric layers of adult bovine and calf lenses. Sempol D, et al. **Curr Eye Res** 1987 Apr;6(4):555–60

The bovine lens neutral proteinase comprises a family of cysteine–dependent proteolytic activities. Wagner BJ, et al. **Curr Eye Res** 1986 Nov;5(11):863–8

Bovine lens aldehyde dehydrogenase: activity and non–linear steady–state kinetics. Crabbe MJ, et al. **Exp Eye Res** 1986 Aug;43(2):177–84

Tissue plasminogen activator in avascular tissues of the eye: a quantitative study of its activity in the cornea, lens, and aqueous and vitreous humors of dog, calf, and monkey. Geanon JD, et al. **Exp Eye Res** 1987 Jan;44(1):55–63

Purification and properties of rat lens methionine adenosyltransferase. Geller AM, et al. **Exp Eye Res** 1986 Dec;43(6):997–1008

Kinetic effects of metal ion chelating reagents and their analogues on bovine lens aldehyde dehydrogenase. Hoe ST, et al. **Exp Eye Res** 1987 May;44(5):663–75

Persistent stimulation of lens fiber cell Na,K–ATPase by sodium thiocyanate. Sen PC, et al. **Exp Eye Res** 1986 Sep; 43(3):315–27

Purification of the bovine lens isozymes which reduce fructose diphosphate to sorbitol diphosphate. Srivastava SK, et al. **Exp Eye Res** 1986 Oct;43(4):669–77

Bovine lens neutral proteinase preferentially hydrolyses oxidatively modified glutamine synthetase. Wagner BJ, et al. **Exp Eye Res** 1986 Dec;43(6):1141–3

Defective superoxide–dismutase molecules accumulate with age in human lenses. Scharf J, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(2):133–6

Effects of dexamethasone phosphate on FAD–induced in vitro activation of glutathione reductase in the lens. Ono S, et al. **Int J Vitam Nutr Res** 1987;57(1):105

Immunohistochemical localization for aldose reductase in diabetic lenses. Akagi Y, et al. **Invest Ophthalmol Vis Sci** 1987 Jan;28(1):163–7

Effects of bendazac L–lysine salt on some metabolic enzymes of glutathione in the rabbit lens after X–irradiation. Bono A, et al. **Ital J Biochem** 1987 May–Jun;36(3):153–65

Novel inhibitors of rat lens aldose reductase: N–[[(substituted amino)phenyl]sulfonyl]glycines. Mayfield CA, et al. **J Med Chem** 1987 Sep;30(9):1595–8

High performance liquid chromatography determination of cystathionase activity in human and rabbit lenses. Bergad PL, et al. **Ophthalmic Res** 1986;18(6):343–8

Immunohistochemical localization of phosphatidylinositol–4,5–bisphosphate in the rat lens. Das ND, et al. **Ophthalmic Res** 1987;19(1):57–60

Species survey of glutathione peroxidase and glutathione reductase: search for an animal model of the human lens. Rathbun WB, et al. **Ophthalmic Res** 1986;18(5):282–7

Superoxide dismutase molecules in human cataractous lenses. Scharf J, et al. **Ophthalmic Res** 1986;18(6):332–7

Inhibition of aldose reductase activities by kampo medicines. Aida K, et al. **Planta Med** 1987 Apr;53(2):131–5

Irreversible aldose reductase inhibitors. Kador PF, et al. **Prog Clin Biol Res** 1987;232:353–65

Pig lens aldose reductase: purification and preliminary X–ray diffraction study. Oligomerization of the enzyme. Rondeau JM, et al. **Prog Clin Biol Res** 1987;232:377–82

Rapid purification of rat lens aldose reductase. Shiono T, et al. **Prog Clin Biol Res** 1987;232:317–24

[Inhibition of aldose reductase from the rat lens by flavonoids] Xie MZ, et al. **Yao Hsueh Hsueh Pao** 1986 Oct; 21(10):721–4 (Eng. Abstr.) **(Chi)**

[Catalase activity in argon–laser irradiation] Wolf S, et al. **Klin Monatsbl Augenheilkd** 1986 Jun;188(6):584–6 (Eng. Abstr.) **(Ger)**

[Transglutaminase in the swine lens] Yoshida H, et al. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1695–8 (Eng. Abstr.) **(Jpn)**

[Antioxidative enzyme activity and metabolism of peroxide compounds in the crystalline lens during cataractogenesis] Babizhaev Ma, et al. **Biull Eksp Biol Med** 1987 Feb; 103(2):143–6 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Characterization of a protein containing D–aspartic acid in aged mouse lens. Muraoka S, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1432–8

Age–dependent changes in the distribution and concentration of human lens cholesterol and phospholipids. Li LK, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):112–20

Ontogeny of the 35K epsilon crystallin during Rana temporaria lens development. Brahma SK, et al. **Curr Eye Res** 1986 Oct;5(10):739–43

Nuclear pyknosis during lens fibre differentiation in epithelial explants. McAvoy JW, et al. **Curr Eye Res** 1986 Sep; 5(9):711–5

Differential regulation of gamma–crystallin genes during mouse lens development. Murer–Orlando M, et al. **Dev Biol** 1987 Jan;119(1):260–7

Differential expression of crystallin genes during development of the rat eye lens. van Leen RW, et al. **Dev Biol** 1987 Apr;120(2):457–64

A critical maturation period in neonatal–rat–lens development. Groth–Vasselli B, et al. **Exp Eye Res** 1986 Dec;43(6):1057–66

Gestational age assessment by the examination of the anterior vascular capsule of the lens. Sasivimolkul W, et al. **J Med Assoc Thai** 1986 Oct;69 Suppl 2:38–45

IMMUNOLOGY

The role of autoimmune phenomena in the pathogenesis of cataract. Angunawela II. **Immunology** 1987 Jul;61(3):363–8

[Experimental lens–induced endophthalmitis—a histopathologic and immunohistochemical study] Inoue T. **Nippon Ganka Gakkai Zasshi** 1987 Mar;91(3):397–408 (Eng. Abstr.) **(Jpn)**

[Anti–lens crystallin antibodies in human sera. I. Reciprocal change with age] Sunakawa M, et al. **Nippon Ganka Gakkai Zasshi** 1986 Nov;90(11):1361–5 (Eng. Abstr.) **(Jpn)**

INJURIES

Modulation of lens–induced uveitis by dimethyl sulfoxide. Rao NA, et al. **Ophthalmic Res** 1986;18(4):193–8

Microsurgical treatment of lens capsule perforations—Part II: Clinical applications and results. Buschmann W. **Ophthalmic Surg** 1987 Apr;18(4):276–82

Pseudophakic keratoplasty: posterior chamber lens implantation in the presence of ruptured capsule. Smith RE, et al. **Ophthalmic Surg** 1987 May;18(5):344–8

[Gluing lens capsular defects using Tissucol] Smečka Z, et al. **Cesk Oftalmol** 1987 Jan;43(1):17–9 (Eng. Abstr.) **(Cze)**

[Traumatic displacements and deformations of the crystalline lens] Flament J. **Bull Soc Ophtalmol Fr** 1985 Oct; 85(10):993–4, 997–9 **(Fre)**

[Extracapsular cataract operations following traumatic lesions of the lens] Klemen U, et al. **Fortschr Ophthalmol** 1987;84(3):258–60 (Eng. Abstr.) **(Ger)**

[Detection of an intralenticular metallic foreign body by computerized tomography] Trinkmann R. **Klin Monatsbl Augenheilkd** 1986 Jul;189(1):57–8 (Eng. Abstr.) **(Ger)**

[Results of removing traumatic cataracts in children by the lensectomy method] Glinchuk IaI, et al. **Oftalmol Zh** 1986; (6):333–5 (Eng. Abstr.) **(Rus)**

[Surgical rehabilitation of children with unilateral traumatic cataracts] Sorochonskaia TA. **Oftalmol Zh** 1986;(6):335–9 (Eng. Abstr.) **(Rus)**

[Secondary glaucoma in eye injuries complicated by trauma of the crystalline lens] Venger GE, et al. **Oftalmol Zh** 1987; (4):201–6 (Eng. Abstr.) **(Rus)**

[Immediate outcome of the surgical treatment of traumatic cataracts in children from the results of a regional eye traumatology center] Zorina MB. **Oftalmol Zh** 1986; (6):339–42 (Eng. Abstr.) **(Rus)**

METABOLISM

Accumulation and distribution of sulfated materials in the maturing mouse lens capsule. Webster EH Jr, et al. **Anat Rec** 1987 Jul;218(3):329–37

Ascorbic acid and the eye with special reference to the lens. Varma SD. **Ann NY Acad Sci** 1987;498:280–306 (23 ref.)

The study of diabetic cataractogenesis in the intact rabbit lens by deuterium NMR spectroscopy. Aguayo JB, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):359–66

Major intrinsic polypeptide (MIP26K) of the lens membrane: covalent change in an internal sequence during human senile cataractogenesis. Takemoto L, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):761–6

Further studies on elastase and trypsin inhibitory activities in mammalian lenses. Swaminathan S, et al. **Biochem Med Metab Biol** 1986 Dec;36(3):313–6

Limited proteolysis of MP26 in lens fiber plasma membranes of the galactose–induced cataract in the rat. Alcala J, et al. **Curr Eye Res** 1986 Sep;5(9):697–703

Topographic correspondence between total and non–freezable water content and the appearance of cataract in human lenses. Bettelheim FA, et al. **Curr Eye Res** 1986 Dec;5(12):925–32

Time course for prostaglandin synthesis by rabbit lens during endotoxin–induced ocular inflammation. Fleisher LN, et al. **Curr Eye Res** 1986 Sep;5(9):629–34

An intrinsic membrane glycoprotein of the lens. Heslip J, et al. **Curr Eye Res** 1986 Dec;5(12):949–58

Adrenergic stimulation of lens cytoskeletal phosphorylation. Ireland ME, et al. **Curr Eye Res** 1987 Mar;6(3):489–96

Transport of vitamin C in the lens. Kern HL, et al. **Curr Eye Res** 1987 Jul;6(7):885–96

Age dependent lipid and protein changes in individual bovine lenses. Li LK, et al. **Curr Eye Res** 1987 Apr;6(4):599–605

Incorporation of 14C–galactose into gangliosides of rabbit lens. Swindell RT, et al. **Curr Eye Res** 1987 Mar;6(3):451–6

Specific expression of the chicken delta–crystallin gene in the lens and the pyramidal neurons of the piriform cortex in transgenic mice. Kondoh H, et al. **Dev Biol** 1987 Mar; 120(1):177–85

Collagen synthesis by long–lived mRNA in embryonic chicken lens. Laurent M, et al. **Dev Biol** 1987 May; 121(1):166–73

Lens metabolism and cellular effects of aldose reductase. McLean P, et al. **Diabetic Med** 1985 May;2(3):189–93

Some aspects of the phosphorylation of alpha–crystallin A. Voorter CE, et al. **Eur J Biochem** 1986 Oct 1;160(1):203–10

Beta B1 crystallin is an amine–donor substrate for tissue transglutaminase. Mulders JW, et al. **Exp Cell Res** 1987 Aug;171(2):296–305

Diffusion of lactate and its role in determining intracellular pH in the lens of the eye. Bassnett S, et al. **Exp Eye Res** 1987 Jan;44(1):143–7

Direct chemical measurement of DNA synthesis and net rates of differentiation of rat lens epithelial cells in vivo: applied to the selenium cataract. Cenedella RJ. **Exp Eye Res** 1987 May;44(5):677–90

Effect of vitamin E on glutathione content in red blood cells, aqueous humor and lens of humans and other species. Costagliola C, et al. **Exp Eye Res** 1986 Dec;43(6):905–14

Vanadate stimulation of phosphotyrosine protein levels in quiescent Nakano mouse lens cells. Gentleman S, et al. **Exp Eye Res** 1987 Apr;44(4):587–94

Exchanges of lead in vitro by the rabbit crystalline lens. Grubb BR, et al. **Exp Eye Res** 1986 Aug;43(2):259–66

Survival of fiber cells and fiber–cell messenger RNA in lens of rats maintained on a 50% galactose diet for 45 days. Hsu MY, et al. **Exp Eye Res** 1987 Apr;44(4):577–86

Rat lens prostaglandin generation proceeds by the non–enzymatic degradation of PGH2 endoperoxide. Keeting PE, et al. **Exp Eye Res** 1987 Feb;44(2):261–8

Rat lens prostaglandin biosynthesis during galactose–induced cataractogenesis. Keeting PE, et al. **Exp Eye Res** 1986 Dec; 43(6):1103–10

Nuclear cataract: oxidative damage to the lens. Lohmann W, et al. **Exp Eye Res** 1986 Nov;43(5):859–62

Major intrinsic polypeptide (MIP26K) from human lens membrane: characterization of low–molecular–weight forms in the aging human lens. Takemoto L, et al. **Exp Eye Res** 1986 Oct;43(4):661–7

The effect of prolonged elevated glucose levels on the phosphate metabolism of the rabbit lens in perfused organ culture. Willis JA, et al. **Exp Eye Res** 1986 Sep;43(3):329–41

Potassium channels from chick lens epithelium. Rae JL. **Fed Proc** 1986 Nov;45(12):2718–22

Preferential conservation of the globular domains of the beta A3/A1–crystallin polypeptide of the chicken eye lens. Peterson CA, et al. **Gene** 1986;45(2):139–47

Galactose metabolism in male and female rats. II. Eye–ball differences. Kechrid RM, et al. **Int J Vitam Nutr Res** 1986; 56(3):269–73

Effects of ethanol on the riboflavin metabolism in the lens. Ono S, et al. **Int J Vitam Nutr Res** 1987;57(1):106

Effects of aging on the formation of ester forms of riboflavin in the rat lens. Ono S, et al. **Int J Vitam Nutr Res** 1986; 56(3):259–62

Iris–ciliary complex inhibits protein synthesis by organ cultured mammalian ocular lens cells. Bagchi M, et al. **Invest Ophthalmol Vis Sci** 1987 Apr;28(4):759–62

Tryptophan Raman/457.9–nm–excited fluorescence of intact guinea pig lenses in aging and ultraviolet light. Barron BC, et al. **Invest Ophthalmol Vis Sci** 1987 May;28(5):815–21

Non–tryptophan fluorescence of crystallins from normal and cataractous human lenses. Bessems GJ, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1157–63

Main intrinsic polypeptide proteolysis and fiber cell membrane domains. FitzGerald PG. **Invest Ophthalmol Vis Sci** 1987 May;28(5):795–805

The influence of calcium on glucose metabolism in the rabbit lens. Hightower KR, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1433–6

Crystallin mRNA product levels in lens undergoing reversal and inhibition of galactose cataracts. Hsu MY, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1413–21

The accumulation of myoinositol and rubidium ions in galactose–exposed rat lens. Kawaba T, et al. **Invest Ophthalmol Vis Sci** 1986 Oct;27(10):1522–6

Spectroscopic study on the effects of nonenzymatic glycation in human alpha–crystallin. Liang JN, et al. **Invest Ophthalmol Vis Sci** 1987 May;28(5):790–4

Inhibition of beta–crystallin cross–linking in the

Ca2+-treated lens. Lorand L, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1218-22

Regulation of lens cyclic nucleotide metabolism by Ca2+ plus calmodulin. Louis CF, et al. **Invest Ophthalmol Vis Sci** 1987 May;28(5):806-14

Transmembrane glucose carriers in the monkey lens. Quantitation and regional distribution as determined by cytochalasin B binding to lens membranes. Lucas VA, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1404-12

Analysis of glucose levels during glucocorticoid-induced cataract formation in chick embryos. Nishigori H, et al. **Invest Ophthalmol Vis Sci** 1987 Jan;28(1):168-74

Comparison of microdissected sections from the human cataractous lens by antisera to synthetic peptides. Takemoto L, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1210-3

Noninvasive measurements of pyridine nucleotide and flavoprotein in the lens. Tsubota K, et al. **Invest Ophthalmol Vis Sci** 1987 May;28(5):785-9

Hexose monophosphate shunt in rat lens: stimulation by vitamin C. Varma SD, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1164-9

Pefloxacin concentrations in human aqueous humour and lens. Salvanet A, et al. **J Antimicrob Chemother** 1986 Aug; 18(2):199-201

The eye lens has an active ubiquitin-protein conjugation system. Jahngen JH, et al. **J Biol Chem** 1986 Oct 15; 261(29):13760-7

The labile nature of the insulin signal(s) for the stimulation of DNA synthesis in mouse lens epithelial and 3T3 cells. Reid TW, et al. **J Biol Chem** 1987 Jan 5;262(1):229-33

D-aspartic acid in aged mouse skin and lens. Fujii N, et al. **J Radiat Res (Tokyo)** 1987 Mar;28(1):117-25

Gangliosides in human and monkey lenses. Sudo K, et al. **Jpn J Ophthalmol** 1986;30(2):197-202

Sorbitol production in the lens: a means of counteracting glucose-derived osmotic stress. Chylack LT Jr, et al. **Ophthalmic Res** 1986;18(5):313-20

Effects of diabetes and insulin treatment on sorbitol and water of rat lenses. Coulter JB 3d, et al. **Ophthalmic Res** 1986; 18(6):357-62

Alteration in glutathione metabolism during cataract progression. Dwivedi RS, et al. **Ophthalmic Res** 1987; 19(1):41-4

Influence of calmodulin antagonists on Ca2+ transport in the lens. Iimuro A, et al. **Ophthalmic Res** 1987;19(2):95-100

Freezing-thawing hysteresis. I. NMR detection in human lens. Pócsik I, et al. **Ophthalmic Res** 1986;18(5):270-4

Accumulation and diffusion of crystallin inside single fiber cells in intact chicken embryo lenses. Peetermans JA, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1727-30

[Membrane cholesterol and phospholipid in human lenses] Fujiwara H, et al. **Nippon Ganka Gakkai Zasshi** 1987 Feb; 91(2):312-7 (Eng. Abstr.) **(Jpn)**

[The role of the crosslinking amino acid, histidinoalanine, in the human nuclear cataractous lens] Kanayama T, et al. **Nippon Ganka Gakkai Zasshi** 1987 Jan;91(1):118-21 (Eng. Abstr.) **(Jpn)**

[Cataractogenic factor in human senile cataractous lens--glucose transport inhibitors in the cataractous lens] Nishikiori T, et al. **Nippon Ganka Gakkai Zasshi** 1987 Jan; 91(1):94-101 (Eng. Abstr.) **(Jpn)**

[Photosensitized generation of singlet molecular oxygen by endogenous substances of the eye lens] Egorov SIu, et al. **Biofizika** 1987 Jan-Feb;32(1):169-71 (Eng. Abstr.) **(Rus)**

[Evidence of the oxidation of unsaturated fatty acids in cataracts] Babizhaev MA, et al. **Biokhimiia** 1986 Oct; 51(10):1702-7 (Eng. Abstr.) **(Rus)**

[Crystalline lens induction of lipid peroxidation] Babizhaev MA, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):38-40 (Eng. Abstr.) **(Rus)**

[The chemical nature of the fluorescing products accumulating in the lipids of the crystalline lenses of mice with hereditary cataract] Shvedova AA, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):301-4 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Perinuclear lens retrodots: a role for ascorbate in cataractogenesis. Bron AJ, et al. **Br J Ophthalmol** 1987 Feb;71(2):86-95

New method for visualising discontinuities in the crystalline lens. Weale RA. **Br J Ophthalmol** 1986 Dec;70(12):925-30

Histopathological observation of phacolytic glaucoma. Report of 5 cases. Sun WR, et al. **Chin Med J [Engl]** 1986 Nov;99(11):931-4

Production of crystallins and lens-like structures in differentiation-induced neoplastic pigment cells (goldfish erythrophoroma cells) in vitro. Akiyama T, et al. **Differentiation** 1986;33(1):34-44

Vitreous loss in posterior chamber lens implantation. Nishi O. **J Cataract Refract Surg** 1987 Jul;13(4):424-7

Management of the opacified posterior lens capsule: an excision technique for membranous changes. Weidle EG, et al. **Ophthalmic Surg** 1986 Oct;17(10):635-40

Effects of extracapsular cataract extraction on the lens zonules. Wilson DJ, et al. **Ophthalmology** 1987 May; 94(5):467-70

Phase separation in lens cytoplasm is genetically linked to cataract formation in the Philly mouse. Clark JI, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):122-5

[Congenital, acquired and experimental posterior lentiglobus] Klusen G. **Fortschr Ophthalmol** 1987;84(2):164-6 (Eng. Abstr.) **(Ger)**

[Pseudoexfoliation syndrome as a cause of chronic glaucoma] Haydon PR. **Klin Monatsbl Augenheilkd** 1986 Oct; 189(4):293-301 (Eng. Abstr.) **(Ger)**

[Morphological studies of filamentous inclusions in the human lens capsule] Sameshima M. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1684-94 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Chemical and physical properties of the normal and aging lens: spectroscopic (UV, fluorescence, phosphorescence, and NMR) analyses. Lerman S. **Am J Optom Physiol Opt** 1987 Jan;64(1):11-22 (46 ref.)

Lens regeneration from cultured newt irises stimulated by retina-derived growth factors (EDGFs). Cuny R, et al. **Differentiation** 1986;32(3):221-9

Light conductance in the ocular lens. Albrecht-Buehler G, et al. **Exp Eye Res** 1986 Dec;43(6):1009-17

Regional resistivity variations in lens homogenates. McEwan JR, et al. **Exp Eye Res** 1987 Apr;44(4):567-76

A comparison of membrane potentials, sodium and calcium levels in normal and cataractous human lenses. Patmore L, et al. **Exp Eye Res** 1986 Dec;43(6):1127-30

Dynamic light scattering in the intact rabbit lens. Its relation to protein concentration. Latina M, et al. **Invest Ophthalmol Vis Sci** 1987 Jan;28(1):175-83

Gene expression and genetic engineering in the lens. Friedenwald lecture. Piatigorsky J. **Invest Ophthalmol Vis Sci** 1987 Jan;28(1):9-28 (206 ref.)

Photoreconvertible fluorophore systems in rhabdomeres, Semper cells and corneal lenses in the compound eye of the blowfly. Schlecht P, et al. **J Comp Physiol [A]** 1987 Aug;161(2):227-43

Eye factors and lens-forming transformations of outer cornea in Xenopus laevis larvae. Bosco L, et al. **J Exp Zool** 1986 Dec;240(3):401-7

Role of the neural retina in newt (Notophthalmus viridescens) lens regeneration in vitro. Connelly TG, et al. **J Exp Zool** 1986 Dec;240(3):343-51

A cation channel in frog lens epithelia responsive to pressure and calcium. Cooper KE, et al. **J Membr Biol** 1986; 93(3):259-69

Model for a possible non-visual function of the iris, lens and peripheral retina. Waniek D. **Med Hypotheses** 1987 Jul; 23(3):309-12

Interaction between two different regulatory elements activates the murine alpha A-crystallin gene promoter in explanted lens epithelia. Chepelinsky AB, et al. **Mol Cell Biol** 1987 May;7(5):1807-14

Dynamic mechanism of visual accommodation in teleosts: structure of the lens muscle and its nerve control. Somiya H. **Proc R Soc Lond [Biol]** 1987 Feb 23;230(1258):77-91

Membrane conductance and potassium permeability of the rat lens. Lucas VA, et al. **Q J Exp Physiol** 1987 Jan; 72(1):81-93

In situ detection of beta-galactosidase in lenses of transgenic mice with a gamma-crystallin/lacZ gene. Goring DR, et al. **Science** 1987 Jan 23;235(4787):456-8

Ocular accommodation in chickens: corneal vs lenticular accommodation and effect of age. Sivak JG, et al. **Vision Res** 1986;26(11):1865-72

[The lens of the eye and its relation to the lymphatic system] Fabian G. **Z Lymphol** 1986 Dec;10(2):39-43 (Eng. Abstr.) **(Ger)**

[In vitro studies of human lenses by using laser light scattering spectroscopy] Nakatani H, et al. **Iyodenshi To Seitai Kogaku** 1986 Sep;24(5):310-4 (Eng. Abstr.) **(Jpn)**

[Biological and clinical aspects of crystalline lens regeneration] Mal'tsev EV. **Oftalmol Zh** 1987;(2):115-20 (84 ref.) **(Rus)**

PHYSIOPATHOLOGY

Two simple calculating schemes for use in ophthalmic optics--I. Tracing oblique rays through systems including astigmatic surfaces. Bennett AG. **Ophthalmic Physiol Opt** 1986;6(3):325-31

Computer assisted scanning laser monitor of optical quality of the excised crystalline lens. Sivak JG, et al. **Vision Res** 1986;26(11):1873-9

RADIATION EFFECTS

Eye lens dose in cranial computed tomography with reference to the technical development of CT scanners. Mostrom U, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Sep-Oct;27(5):599-606

Radiation cataractogenesis in rat lenses. Rini FJ, et al. **Bull NY Acad Med** 1986 Sep;62(7):744-53

The lens and cataract: clastogenic responses in epithelial cells of the organ-cultured rat lens. Geard CR, et al. **Environ Mutagen** 1987;9(2):111-22

Real light scatter in the human crystalline lens. Weale RA. **Graefes Arch Clin Exp Ophthalmol** 1986;224(5):463-6

Delay of UV-induced eye lens protein damage in guinea pigs by dietary ascorbate. Blondin J, et al. **J Free Radic Biol Med** 1986;2(4):275-81

Photodamage to the lens in vitro: implications of the Haber-Weiss reaction. Varma SD, et al. **J Free Radic Biol Med** 1986;2(1):57-62

Observation of microwave-induced eye lens surface motion in vitro. Wyeth NC. **Med Phys** 1987 Jul-Aug;14(4):619-26

Light absorption characteristics of the lens capsule. Murata Y. **Ophthalmic Res** 1987;19(2):107-12

Photoperoxidation of lens lipids: inhibition by aspirin. Beachy NA, et al. **Photochem Photobiol** 1987 May;45(5):677-8

A histological study on the cataractogenic effects of heavy charged particles. Yang VC, et al. **Proc Natl Sci Counc Repub China [B]** 1987 Jan;11(1):18-28

[Lenses of experimental dogs exposed to nuclear explosion] Zhu XA. **Chung Hua Yen Ko Tsa Chih** 1986 Sep; 22(5):297-300 (Eng. Abstr.) **(Chi)**

[Protection of the lens against ionizing radiation injury using gammaphos] Rozsival P, et al. **Cesk Oftalmol** 1986 Nov; 42(6):413-6 (Eng. Abstr.) **(Cze)**

[Effects of intraocular irradiation of Nd:YAG laser on the lens] Nakaizumi H, et al. **Nippon Ganka Gakkai Zasshi** 1987 Feb;91(2):208-12 (Eng. Abstr.) **(Jpn)**

[Age-related radiosensitivity of the crystalline lens in chronic experimental internal irradiation with 137Cs at low doses] Gerasimov VI, et al. **Med Radiol (Mosk)** 1987 Jun; 32(6):61-3 (Eng. Abstr.) **(Rus)**

[Modelling of senile cataract] Mal'tsev EV. **Oftalmol Zh** 1986;(5):306-9 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

The radiation dose to the lens in radiology of the orbit. Montanara A, et al. **Br J Radiol** 1986 Dec;59(708):1171-3

SURGERY

Management of the lens capsule during pars plana lensectomy. Lewis H, et al. **Am J Ophthalmol** 1987 Jan 15;103(1):109-10

Excimer laser cut lenticules for epikeratophakia. Lieurance RC, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 2):475-6

Optimal incision diameter in YAG laser capsulotomy. Long WF, et al. **Am J Optom Physiol Opt** 1987 May;64(5):324-8

Clinical cystoid macular edema with intracapsular cataract extraction and posterior chamber lens implantation. Severin SL. **Ann Ophthalmol** 1983 Jul;15(7):631-3

Excimer laser lens ablation [letter] Bath PE, et al. **Arch Ophthalmol** 1987 Sep;105(9):1164-5

Intraocular pressure changes after neodymium-YAG laser capsulotomy in eyes pretreated with timolol. Migliori ME, et al. **Arch Ophthalmol** 1987 Apr;105(4):473-5

Punch for removal of anterior lens capsule. Miyake K. **Arch Ophthalmol** 1987 Jun;105(6):859-60

Some details regarding intercapsular implantations. Budo CJ. **Bull Soc Belge Ophtalmol** 1985;214:123-9

Prevention of IOP-rise following Nd-YAG laser capsulotomy with pre-operative timolol eye-drops and 1 tablet acetazolamide 250 mg systematically. Boen-Tan TN, et al. **Doc Ophthalmol** 1986 Dec 30;64(1):59-67

A study of the mechanism of ocular irritation following YAG laser capsulotomy in rabbits. Stjernschantz J, et al. **Exp Eye Res** 1986 Oct;43(4):641-51

The role of 1% sodium hyaluronate in anterior capsulotomy with the neodymium:YAG laser in patients with diseased cornea. Alpar JJ. **J Cataract Refract Surg** 1986 Nov; 12(6):658-61

Preference for intracapsular surgery [letter] Choyce DP. **J Cataract Refract Surg** 1986 Sep;12(5):534

Long-term discission rate after placing posterior chamber lenses with the convex surface posterior. Downing JE. **J Cataract Refract Surg** 1986 Nov;12(6):651-4

A YAG laser technique to facilitate removal of posterior chamber intraocular lenses from the capsular bag. Nevyas HJ, et al. **J Cataract Refract Surg** 1987 Mar;13(2):201-4

A U-shaped anterior capsulotomy and modified J-loop posterior chamber intraocular lens with new positioning holes. Nishi O. **J Cataract Refract Surg** 1987 May; 13(3):317-20

Intercapsular cataract microsurgery [editorial] Obstbaum SA. **J Cataract Refract Surg** 1987 Jul;13(4):379

Ophthalmologic debate: is it reasonable to remove a healthy lens to improve vision? [news] Kirn TF. **JAMA** 1987 Apr 17;257(15):2005

Modification of the bent needle technique for anterior capsulotomy. Feibel RM. **Ophthalmic Surg** 1986 Dec; 17(12):819-20

Proposal for a new contact lens for YAG laser posterior capsulotomies. March WF, et al. **Ophthalmic Surg** 1987 Jan;18(1):59-60

Vitreoretinal changes associated with rise in intraocular pressure after Nd:YAG capsulotomy. Schubert HD. **Ophthalmic Surg** 1987 Jan;18(1):19-22

Clear lens extraction for axial myopia. An appraisal. Goldberg MF. **Ophthalmology** 1987 May;94(5):571-82 (100 ref.)

A prospective study of cystoid macular edema after neodymium: YAG laser posterior capsulotomy. Lewis H, et al. **Ophthalmology** 1987 May;94(5):478-82

The effect of neodymium: YAG laser capsulotomy on aqueous humor dynamics in the monkey eye. Lynch MG, et al. **Ophthalmology** 1986 Oct;93(10):1270-5

The effect of neodymium:YAG laser shocks on the blood-aqueous barrier. Mitchell PG, et al. **Ophthalmology** 1987 May;94(5):488-90

Nucleus removal in planned extracapsular cataract extraction. A new instrument. Spencer MH. **Ophthalmology** 1986 Sep; 93(9 Suppl):80-1

The Mary Louise Prentice Montgomery lecture. The lens

capsule: a lens implant surgeon's understanding. Drews RC. **Trans Ophthalmol Soc UK** 1986;105 (Pt 3):265–72

[Lensectomy and vitrectomy. Analysis of 320 cases] Zhu FR. **Chung Hua Yen Ko Tsa Chih** 1986 Sep;22(5):267–70 (Eng. Abstr.) **(Chi)**

[Incidence of posterior capsulotomy following extracapsular lens extraction] Comte P, et al. **Bull Soc Ophtalmol Fr** 1986 Dec;86(12):1561–2 (Eng. Abstr.) **(Fre)**

[Implantation in the capsular sac. A 4-year evaluation] Galand A, et al. **Bull Soc Ophtalmol Fr** 1987 Jan; 87(1):125–7 (Eng. Abstr.) **(Fre)**

[Anterior capsulectomy following implantation of a capsule-fixed lens] Böke W, et al. **Fortschr Ophthalmol** 1987;84(2):167–9 (Eng. Abstr.) **(Ger)**

[Clinical studies on centering artificial lenses and the configuration of the posterior capsule following endocapsular implantation] Rochels R, et al. **Fortschr Ophthalmol** 1987;84(2):170–2 (Eng. Abstr.) **(Ger)**

[Theory and surgical technic of capsulorhexis] Neuhann T. **Klin Monatsbl Augenheilkd** 1987 Jun;190(6):542–5 (Eng. Abstr.) **(Ger)**

[Pars plana lentectomy] Witschel H. **Klin Monatsbl Augenheilkd** 1987 May;190(5):406–11 (Eng. Abstr.) **(Ger)**

[Methods of removal of the lens luxated into the vitreous by Barraquer's method with personal modification] Hańczyc P. **Klin Oczna** 1986 Jul;88(7):251–2 (Eng. Abstr.) **(Pol)**

[Morphologic aspects of surgery of the posterior capsule of the human lens] Korostelova NF, et al. **Vestn Oftalmol** 1986 Jul-Aug;102(4):20–2 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Histological study of epikeratophakia tissue lenses for myopia removed from two patients. Tamaki K, et al. **Ophthalmology** 1986 Dec;93(12):1502–8

[Severe myopia: extraction of the crystalline lens and implantation in the posterior chamber for optical purposes] Verzella F. **Bull Mem Soc Fr Ophtalmol** 1986;97:347–50 **(Fre)**

ULTRASTRUCTURE

Membrane contacts and lens transparency. Kistler J, et al. **Bioessays** 1986 Aug;5(2):79–83

Sex-influenced CPIB-induction of peroxisomes in rat lens tissue. Henry EW, et al. **Cytobios** 1986;48(194–195):157–64

Neutron scattering by calf lens cytoplasm. A comparison between two models of cataract. Laporte D, et al. **Eur Biophys J** 1987;14(7):441–7

Plakoglobin is a component of the filamentous subplasmalemmal coat of lens cells. Franke WW, et al. **Eur J Cell Biol** 1987 Jun;43(3):301–15

The membrane-associated cytoskeleton in cultured lens cells. Electron microscopical visualization in cleaved whole-mount preparations and platinum replicas. Traas J, et al. **Exp Eye Res** 1986 Oct;43(4):519–28

The ring of Soemmerring in man: an ultrastructural study. Kappelhof JP, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(1):77–83

Membrane interlocking domains in the lens. Kistler J, et al. **Invest Ophthalmol Vis Sci** 1986 Oct;27(10):1527–34

Polygonal arrays of actin filaments in human lens epithelial cells. An aging study. Yeh S, et al. **Invest Ophthalmol Vis Sci** 1986 Oct;27(10):1535–40

Immunolocalization of MP70 in lens fiber 16-17-nm intercellular junctions. Gruijters WT, et al. **J Cell Biol** 1987 Mar;104(3):565–72

[Experimental studies on the development and reversal of galactose cataracts] He SZ. **Chung Hua Yen Ko Tsa Chih** 1987 Jan;23(1):39–42 (Eng. Abstr.) **(Chi)**

[Study of selenite-induced cataract in rats] Ito K. **Nippon Ganka Gakkai Zasshi** 1987 Feb;91(2):220–9 (Eng. Abstr.) **(Jpn)**

[Prevention of rat galactose cataract with topical aldose reductase inhibitor, E-1008] Tasaka H, et al. **Nippon Ganka Gakkai Zasshi** 1987 Feb;91(2):246–53 (Eng. Abstr.) **(Jpn)**

LENS DISEASES

ETIOLOGY

Zonular dialysis during extracapsular cataract extraction in pseudoexfoliation syndrome. Skuta GL, et al. **Arch Ophthalmol** 1987 May;105(5):632–4

Intralenticular haemorrhage complicating pulsed laser iridotomy [letter] Montgomery DM, et al. **Br J Ophthalmol** 1987 Jun;71(6):484

PATHOLOGY

Oncogenesis of the lens in transgenic mice. Mahon KA, et al. **Science** 1987 Mar 27;235(4796):1622–8

[Corneal endothelial function in children with crystalline lens pathology] Egorova EV, et al. **Vestn Oftalmol** 1987 Mar-Apr;103(2):42–5 (Eng. Abstr.) **(Rus)**

LENS DISLOCATION AND SUBLUXATION

COMPLICATIONS

Monocular oscillopsia secondary to lens subluxation [letter] Murray RS, et al. **Ann Neurol** 1986 Oct;20(4):544–5

Homocystinuria with bilateral absolute glaucoma. Kalra BR, et al. **Indian J Ophthalmol** 1985 May-Jun;33(3):195–7

DIAGNOSIS

Inflamed eye in Marfan's syndrome with posteriorly luxated lens. Croxatto JO, et al. **Ophthalmologica** 1986; 193(1-2):23–6

ETIOLOGY

Neodymium:YAG laser iridotomy as a possible contribution to lens dislocation. Melamed S, et al. **Ann Ophthalmol** 1986 Oct;18(10):281–2

Bilateral dislocation of the crystalline lens in a patient with presumed syphilitic uveitis. Rapkin JS, et al. **Henry Ford Hosp Med J** 1986;34(3):207–10

[Lens dislocation as a late complication of pars plana vitrectomy] Juhás T, et al. **Cesk Oftalmol** 1987 May; 43(3):163–6 (Eng. Abstr.) **(Slo)**

FAMILIAL & GENETIC

Weill-Marchesani syndrome in mother and son. Young ID, et al. **Clin Genet** 1986 Dec;30(6):475–80

Familial simple ectopia lentis. A probable autosomal recessive form. Ruiz C, et al. **Ophthalmic Paediatr Genet** 1986 Aug; 7(2):81–4

[Hereditary diseases with lens dislocation: clinical aspects] Koepp P. **Klin Monatsbl Augenheilkd** 1987 Jan;190(1):8–10 (Eng. Abstr.) **(Ger)**

PATHOLOGY

[Congenital, acquired and experimental posterior lentiglobus] Kluxen G. **Fortschr Ophthalmol** 1987;84(2):164–6 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Long-term outcome of crystalline lens ectopia] Evain B, et al. **Bull Soc Ophtalmol Fr** 1986 Apr;86(4):575–7 (Eng. Abstr.) **(Fre)**

SURGERY

A simple method for delivery of a subluxed lens. Zuckerman D, et al. **Am J Ophthalmol** 1986 Oct 15;102(4):537–8

Pars plana management of ectopia lentis in children. Reese PD, et al. **Arch Ophthalmol** 1987 Sep;105(9):1202–4

Neodymium-YAG laser zonulotomy. Case report. Rosen PH, et al. **Arch Ophthalmol** 1987 Jul;105(7):892–4

An instrument to aid intracapsular cataract extraction of dislocated lenses. Ryan EH Jr, et al. **Ophthalmic Surg** 1987 Feb;18(2):130–2

The use of sodium hyaluronate (Hyalcon) for the removal of severely subluxated lenses. Toczolowski JR. **Ophthalmic Surg** 1987 Mar;18(3):214–6

[Traumatic displacements and deformations of the crystalline lens] Flament J. **Bull Soc Ophtalmol Fr** 1985 Oct; 85(10):993–4, 997–9 **(Fre)**

LENS IMPLANTATION, INTRAOCULAR see **LENSES, INTRAOCULAR**

LENS NUCLEUS, CRYSTALLINE see under **LENS, CRYSTALLINE**

LENS OPACITIES see **CATARACT**

LENS PROTEINS see **CRYSTALLINS**

LENSES

Photorefraction with a catadioptric lens. Improvement on the method of Kaakinen. Norcia AM, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):379–85

Inexpensive lightweight aspheric plastic indirect ophthalmoscopy lens. Bartov E, et al. **Am J Ophthalmol** 1987 Feb 15;103(2):237–8

A high-efficiency laser iridotomy-sphincterotomy lens [letter] Fankhauser F. **Am J Ophthalmol** 1986 Nov 15; 102(5):670–1

Vitreoretinal photography using the 90-diopter lens. Han DP, et al. **Am J Ophthalmol** 1987 Feb 15;103(2):238–9

HP program for the center thickness of convex spectacle lenses. Faria e Sousa SJ. **Am J Optom Physiol Opt** 1986 Sep;63(9):770–3

Dioptric power in an off-axis meridian: the torsional component. Keating MP. **Am J Optom Physiol Opt** 1986 Oct;63(10):830–8

Evaluation of reading speed with four low vision aids. Mancil GL, et al. **Am J Optom Physiol Opt** 1986 Sep;63(9):708–13

Vergence adaptive changes with varying magnitudes of prism-induced disparities and fusional amplitudes. Sethi B, et al. **Am J Optom Physiol Opt** 1987 Apr;64(4):263–8

Optics of progressive addition lenses. Sheedy JE, et al. **Am J Optom Physiol Opt** 1987 Feb;64(2):90–9

Theoretical computation of the refractive index in an ophthalmic lens. Simonet P. **Am J Optom Physiol Opt** 1987 May;64(5):370–2

A hospital rental system for low vision aids. Sanderson GF, et al. **Aust N Z J Ophthalmol** 1986 Nov;14(4):359–63

Segmentation of stained blood cell images measured at high scanning density with high magnification and high numerical aperture optics. Harms H, et al. **Cytometry** 1986 Nov;7(6):522–31

90 D Volk fundus lens. Eger AR. **J Am Optom Assoc** 1986 Oct;57(10):784–5

Photographic slit-lamp biomicroscopes. Martonyi CL. **Ophthalmology** 1986 Sep;93(9 Suppl):65–79

How to enlarge image of cystoscopic telescopes with Endo-Loupe. Wosnitzer M. **Urology** 1987 Mar;29(3):321

[A nomograph for estimating the effective power of crossed cylindric lenses] Zhang XY. **Chung Hua Yen Ko Tsa Chih** 1986 May;22(3):139–42 (Eng. Abstr.) **(Chi)**

[A holder for the binocular Zeiss prismatic magnifying lens system for distance and/or closeness used in conjunction with the Visutest C or D] Huismans H. **Klin Monatsbl Augenheilkd** 1986 Oct;189(4):336 (Eng. Abstr.) **(Ger)**

[Development of an anatomically shaped lens for facilitating indirect ophthalmoscopy] Westhoff MR. **Klin Monatsbl Augenheilkd** 1986 Jun;188(6):628–9 (Eng. Abstr.) **(Ger)**

[Visual-optical assessment of the threshold values of the distortion of observational objects due to lens defects in the flat window glass of the cockpits of transport vehicles] Lekarev AV. **Kosm Biol Aviakosm Med** 1986 Jul-Aug; 20(4):29–32 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

A broken telescope: a complication of arthroscopy. Carlsen A. **Arthroscopy** 1986;2(3):181–3

STANDARDS

Indirect biomicroscopy techniques [letter] Barker FM. **J Am Optom Assoc** 1987 Apr;58(4):286–7

Optical properties of low vision telescopes. Katz M, et al. **J Am Optom Assoc** 1987 Apr;58(4):320–31

LENSES, CONTACT see **CONTACT LENSES**

LENSES, CONTACT, HYDROPHILIC see **CONTACT LENSES, HYDROPHILIC**

LENSES, INTRAOCULAR

Posterior chamber lens implantation after extracapsular cataract extraction. Cupak K. **Acta Med Iugosl** 1986; 40(3):177–87

Morphological changes and lens position 2 1/2 years after intracapsular cataract extraction with implantation of a semiflexible anterior chamber lens. A prospective re-examination. Naeser K, et al. **Acta Ophthalmol (Copenh)** 1987 Apr;65(2):237–43

Complications and visual outcome 4 months after extracapsular cataract extraction with implantation of posterior chamber lenses. A prospective clinical study. Naeser K, et al. **Acta Ophthalmol (Copenh)** 1986 Oct; 64(5):540–3

Risk of ferromagnetic ocular foreign bodies in MR [letter] Widder DJ. **AJNR** 1987 May-Jun;8(3):571

Secondary intraocular lens implantation vs epikeratophakia for the treatment of aphakia. Durrie DS, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 2):384–91

Pseudophakic malignant glaucoma—is it really pseudo-malignant? Epstein DL. **Am J Ophthalmol** 1987 Feb 15;103(2):231–3

Ocular palpation in pseudophakia. Feldman RM, et al. **Am J Ophthalmol** 1987 Sep 15;104(3):307

Effectiveness of ketorolac tromethamine 0.5% ophthalmic solution for chronic aphakic and pseudophakic cystoid macular edema. Flach AJ, et al. **Am J Ophthalmol** 1987 Apr 15;103(4):479–86

Secondary intraocular lens implantation vs epikeratophakia for the treatment of aphakia [letter] Hoffer KJ. **Am J Ophthalmol** 1987 Aug 15;104(2):194–5

The proteinaceous coating and cytology of implant lenses in rabbits. Kappelhof JP, et al. **Am J Ophthalmol** 1986 Dec 15;102(6):750–8

The use of hydroxypropyl methylcellulose in extracapsular cataract extraction with intraocular lens implantation. Liesegang TJ, et al. **Am J Ophthalmol** 1986 Dec 15; 102(6):723–6

The spectra, classification, and rationale of ultraviolet-protective intraocular lenses. Mainster MA. **Am J Ophthalmol** 1986 Dec 15;102(6):727–32

Assessment of success and complications of triple procedure surgery. Meyer RF, et al. **Am J Ophthalmol** 1987 Sep 15; 104(3):233–40

The use of hydroxypropyl methylcellulose in extracapsular cataract extraction with intraocular lens implantation [letter] Rosen E. **Am J Ophthalmol** 1987 May 15; 103(5):727–8

Surgical vitrectomy for pseudophakic malignant glaucoma [letter] Steinert RF, et al. **Am J Ophthalmol** 1986 Dec 15; 102(6):803–4

Schematic eye predictions of relative spectacle magnification in unilateral aphakia. Craven PM, et al. **Am J Optom Physiol Opt** 1986 Nov;63(11):881–7

Ultraviolet effects on visual acuity in pseudophakia. Rog SJ, et al. **Am J Optom Physiol Opt** 1986 Nov;63(11):867–72

Neodymium–YAG vitreous surgery for phakic and pseudophakic malignant glaucoma. Brown RH, et al. **Arch Ophthalmol** 1986 Oct;104(10):1464–6

Silicone intraocular lenses during vitrectomy [letter] Glickman GM, et al. **Arch Ophthalmol** 1987 Sep; 105(9):1166

Extracapsular cataract extraction with posterior chamber lens implantation in patients with glaucoma. Handa J, et al. **Arch Ophthalmol** 1987 Jun;105(6):765–9

Triple procedure for intraocular lens exchange [letter] Hoffer KJ. **Arch Ophthalmol** 1987 May;105(5):609–10

Refractive keratoplasty in monkeys using intracorneal lenses of various refractive indexes. McCarey BE, et al. **Arch Ophthalmol** 1987 Jan;105(1):123–6

Comparison of complement activation by silicone intraocular lenses and polymethylmethacrylate intraocular lenses with polypropylene loops. Mondino BJ, et al. **Arch Ophthalmol** 1987 Jul;105(7):989–90

Pupillary block with posterior chamber intraocular lenses. Samples JR, et al. **Arch Ophthalmol** 1987 Mar;105(3):335–7

Intraocular lens power calculations. A practical evaluation in normal subjects at the Wilmer Institute. Singh K, et al. **Arch Ophthalmol** 1987 Aug;105(8):1046–50

Photocoagulation after posterior chamber lens implantation [letter] Solomon OD. **Arch Ophthalmol** 1987 May; 105(5):613

Trends in intraocular lens implantation in the United States. Stark WJ, et al. **Arch Ophthalmol** 1986 Dec;104(12):1769–70

Penetrating keratoplasty for pseudophakic corneal edema with exchange of intraocular lenses. Waring GO 3d, et al. **Arch Ophthalmol** 1987 Jan;105(1):58–62

Intraocular lenses in aviators: a review of the U.S. Army experience. Mader TH, et al. **Aviat Space Environ Med** 1987 Jul;58(7):690–4

Posterior chamber intraocular lens implantation—a new forceps to simplify capsular bag fixation. Bates R. **Br J Ophthalmol** 1986 Oct;70(10):724–6

Determination of the power of a convex–plano intraocular lens in situ from the dioptric keratometer reading of its front surface: extension table for the Javal–Schiøtz ophthalmometer. Binkhorst CD, et al. **Br J Ophthalmol** 1987 Jun;71(6):473–6

Combined intracapsular cataract extraction and trabeculectomy with Severin five-loop posterior chamber intraocular lens. Coleiro JA. **Br J Ophthalmol** 1986 Sep; 70(9):638–41

A study of the haptic bearing angles in eyes with the Optiflex anterior chamber implant. Ekdawy AT. **Br J Ophthalmol** 1987 Apr;71(4):304–11

Modern cataract surgery in a highly myopic population. Gross KA, et al. **Br J Ophthalmol** 1987 Mar;71(3):215–9

Visual evoked potential latency and contrast sensitivity in patients with posterior chamber intraocular lens implants. Howe JW, et al. **Br J Ophthalmol** 1986 Dec;70(12):890–4

Some details regarding intercapsular implantations. Budo CJ. **Bull Soc Belge Ophtalmol** 1985;214:123–9

Lens implant calculations using an average of several formulas. Mathers WD, et al. **CLAO J** 1986 Oct–Dec; 12(4):216–8

Posterior chamber lens implantation during keratoplasty without posterior lens capsule support. Drews RC. **Cornea** 1987;6(1):38–40

Keratoplasty and intraocular lenses. Polack FM. **Cornea** 1985–86;4(3):137–47

Five-year follow-up of endothelial cell function of pseudophakic patients with anterior segment fluorophotometry [letter] Ohrloff C, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(3):244

Diabetes: cataract extraction and intraocular lenses. Alpar JJ. **J Cataract Refract Surg** 1987 Jan;13(1):43–6

Intraocular lens calculation formulas for new intraocular lens implants. Barrett GD. **J Cataract Refract Surg** 1987 Jul; 13(4):389–96

Glare disability secondary to YAG laser intraocular lens damage. Bath PE, et al. **J Cataract Refract Surg** 1987 May; 13(3):309–13

Comparison of glare in YAG-damaged intraocular lenses: injection-molded versus lathe-cut. Bath PE, et al. **J Cataract Refract Surg** 1986 Nov;12(6):662–4

Anterior chamber maintainer for extracapsular cataract extraction and intraocular lens implantation. Blumenthal M, et al. **J Cataract Refract Surg** 1987 Mar;13(2):204–6

Intraocular lens calculations [letter] Campbell C. **J Cataract Refract Surg** 1987 Jul;13(4):458–9

Clinical experience with soft intraocular lens implantation. Chen TT. **J Cataract Refract Surg** 1987 Jan;13(1):50–3

Experience with the Choyce-Tennant implant [letter] Choyce DP. **J Cataract Refract Surg** 1987 Jan;13(1):85

The 1985 Binkhorst lecture. Ultraviolet-absorbing chromophores: chemical and ultraviolet transmission characteristics. Clayman HM. **J Cataract Refract Surg** 1986 Sep;12(5):529–32

Sodium hyaluronate exchange in posterior chamber lens implantation. Davison JA. **J Cataract Refract Surg** 1986 Nov;12(6):674–7

Long-term results with Choyce-Tennant anterior chamber intraocular lens implants. Downing JE, et al. **J Cataract Refract Surg** 1986 Sep;12(5):493–8

Optic damage seen with YAG laser treatment [letter] Fechner PU. **J Cataract Refract Surg** 1986 Sep;12(5):533–4

Scanning electron microscopy study of experimental intraocular lens implantation in the rabbit eye. Figueras MJ, et al. **J Cataract Refract Surg** 1986 Sep;12(5):523–8

Experience with the SRK formula [letter] Gelber EC. **J Cataract Refract Surg** 1986 Sep;12(5):535

Selection of materials for ultraviolet-absorbing intraocular lenses [letter] Gupta A. **J Cataract Refract Surg** 1987 May; 13(3):346–7

Insertion of a second intraocular lens following traumatic expulsion of a posterior chamber lens. Hagan JC 3d. **J Cataract Refract Surg** 1987 May;13(3):315–7

A prospective study of intraocular pressure four months after extracapsular cataract extraction with implantation of posterior chamber lenses. Hansen TE, et al. **J Cataract Refract Surg** 1987 Jan;13(1):35–8

Clinical results of endocapsular phacoemulsification and complete in-the-bag intraocular lens fixation. Hara T, et al. **J Cataract Refract Surg** 1987 May;13(3):279–86

Postoperative change in the corneal thickness of the pseudophakic eye: amplified diurnal variation and consensual increase. Hara T, et al. **J Cataract Refract Surg** 1987 May;13(3):325–9

Roundel phacoemulsification technique for in-the-bag intraocular lens fixation. Hara T, et al. **J Cataract Refract Surg** 1987 Jul;13(4):441–6

Intraocular lens implantation in an underdeveloped country. Hemo I. **J Cataract Refract Surg** 1987 Jul;13(4):414–6

Anterior chamber lens terminology [letter] Hoffer KJ. **J Cataract Refract Surg** 1987 Jul;13(4):460

Effect of the Nd:YAG laser on polymethylmethacrylate, HEMA copolymer, and silicone intraocular materials. Keates RH, et al. **J Cataract Refract Surg** 1987 Jul; 13(4):401–9

Glare following posterior chamber intraocular lens implantation. Koch DD, et al. **J Cataract Refract Surg** 1986 Sep;12(5):480–4

Secondary intraocular lens implantation: rigid/semi-rigid versus flexible lenses. Kraff MC, et al. **J Cataract Refract Surg** 1987 Jan;13(1):21–6

Syringe-type inserter for silicone implants. Levy JH, et al. **J Cataract Refract Surg** 1987 Jan;13(1):77–8

Operating room retinoscopy [letter] Lyle WA. **J Cataract Refract Surg** 1987 Jul;13(4):454–5

IOLSTAT—a program for comprehensive intraocular lens equation comparison with statistical analysis. McEwan J. **J Cataract Refract Surg** 1986 Sep;12(5):543–9

Traumatic extrusion of posterior chamber lenses: clinical and experimental correlations. Magargal LE, et al. **J Cataract Refract Surg** 1986 Nov;12(6):670–3

Asteroid hyalosis affecting the choice of intraocular lens implant. Martin RG, et al. **J Cataract Refract Surg** 1987 Jan;13(1):62–5

Deep versus appositional suturing of the scleral pocket incision for astigmatic control in cataract surgery. Masket S. **J Cataract Refract Surg** 1987 Mar;13(2):131–5

Gull-wing haptic design for posterior chamber intraocular lens. Masket S. **J Cataract Refract Surg** 1987 Jul;13(4):410–3

Capsular bag intraocular lens fixation with retention of the anterior capsule. Murata T. **J Cataract Refract Surg** 1987 Jul;13(4):438–41

Double cannula for removal of viscoelastic material at surgery. Nevyas HJ. **J Cataract Refract Surg** 1987 Jan; 13(1):75–6

A YAG laser technique to facilitate removal of posterior chamber intraocular lenses from the capsular bag. Nevyas HJ, et al. **J Cataract Refract Surg** 1987 Mar;13(2):201–4

A U-shaped anterior capsulotomy and modified J-loop posterior chamber intraocular lens with new positioning holes. Nishi O. **J Cataract Refract Surg** 1987 May; 13(3):317–20

Vitreous loss in posterior chamber lens implantation. Nishi O. **J Cataract Refract Surg** 1987 Jul;13(4):424–7

Incidence of posterior capsule opacification in eyes with and without posterior chamber intraocular lenses. Nishi O. **J Cataract Refract Surg** 1986 Sep;12(5):519–22

Theoretical, computer-assisted prediction versus SRK prediction of postoperative refraction after intraocular lens implantation. Olsen T. **J Cataract Refract Surg** 1987 Mar; 13(2):146–50

Theoretical approach to intraocular lens calculation using Gaussian optics. Olsen T. **J Cataract Refract Surg** 1987 Mar;13(2):141–5

Comparison of the keratometer and the lens bench in measuring intraocular lens power. Olson PF, et al. **J Cataract Refract Surg** 1987 May;13(3):323–4

Epikeratophakia for control of pediatric bullous keratopathy. Roat MI, et al. **J Cataract Refract Surg** 1987 Jan;13(1):59–62

Insertion of an intraocular implant with two lens glides [letter] Shah P. **J Cataract Refract Surg** 1987 May; 13(3):345–6

Consultation section : Unilateral pale optic disc following extracapsular cataract extraction with a posterior chamber intraocular lens. Shepard DD. **J Cataract Refract Surg** 1987 May;13(3):330–9

Physical characteristics of various intraocular lenses. Shimizu K, et al. **J Cataract Refract Surg** 1987 Mar;13(2):151–6

Trabeculectomy and intraocular lens implantation: a combined procedure. Skorpik C, et al. **J Cataract Refract Surg** 1987 Jan;13(1):39–42

Estimating the solar ultraviolet radiation exposure to an intraocular lens implant. Sliney DH. **J Cataract Refract Surg** 1987 May;13(3):296–301

Secondary intraocular lens implantation. Wong SK, et al. **J Cataract Refract Surg** 1987 Jan;13(1):17–20

Outbreak of Candida parapsilosis endophthalmitis after cataract extraction and intraocular lens implantation. McCray E, et al. **J Clin Microbiol** 1986 Oct;24(4):625–8

Severin intraocular lens. Report of 100 planned insertions after intracapsular cataract extraction. Griffiths MF, et al. **J R Army Med Corps** 1987 Feb;133(1):56–8

Impact of cataract surgery with lens implantation on vision and physical function in elderly patients. Applegate WB, et al. **JAMA** 1987 Feb 27;257(8):1064–6

Pulsed laser damage thresholds and laser treatment energy parameters, in vivo, of human aphakic intraocular membranes. Davi SK. **Lasers Surg Med** 1986;6(5):449–58

Yellow-dyed soft contact lens to reduce ultraviolet light absorption in aphakic patients [letter] Lazarus M, et al. **Med J Aust** 1987 Feb 16;146(4):226–7

Contrast sensitivity in pseudophakia and aphakia. Weatherill J, et al. **Ophthalmic Physiol Opt** 1986;6(3):297–301

Use of Healon in different cataract surgery techniques: endothelial cell count study. Alpar JJ. **Ophthalmic Surg** 1987 Jul;18(7):529–31

Long-term results of keratoplasty in eyes with intraocular lenses. Alpar JJ. **Ophthalmic Surg** 1986 Oct;17(10):650–4

Combined penetrating keratoplasty, extracapsular cataract extraction, and posterior chamber intraocular lens implantation. Busin M, et al. **Ophthalmic Surg** 1987 Apr; 18(4):272–5

Posterior chamber pseudophakes in glaucoma [letter] Cantor LB. **Ophthalmic Surg** 1986 Sep;17(9):580

Inhibition of pseudophakic endophthalmitis in a rabbit model. Elliott RD, et al. **Ophthalmic Surg** 1987 Jul;18(7):538–41

Seeing better surely makes you feel better: a testimonial [letter] Huck DN. **Ophthalmic Surg** 1987 Jun;18(6):470

Propionibacterium acnes endophthalmitis seven months after extracapsular cataract extraction and intraocular lens implantation. Jaffe GJ, et al. **Ophthalmic Surg** 1986 Dec; 17(12):791–3

Lens implantation in children [letter] Lempert P. **Ophthalmic Surg** 1978 Apr;9(2):89–92

Effect of therapeutic ultrasound on intraocular lenses. McDonnell PJ, et al. **Ophthalmic Surg** 1986 Oct; 17(10):655–7

A new capsule supported intraocular lens. Meur G. **Ophthalmic Surg** 1987 May;18(5):395–6

Pre- and postoperative therapy in cataract extraction. Mizuno K, et al. **Ophthalmic Surg** 1987 Feb;18(2):143–52 (119 ref.)

Experimental evaluation of anterior chamber lenses fixated with Dacron. Peyman GA, et al. **Ophthalmic Surg** 1978 Oct;9(5):70–5

Modified Graether collar button with positioning stud to dial intraocular lenses with peripheral positioning holes. Smith JP. **Ophthalmic Surg** 1987 May;18(5):390

Pseudophakic keratoplasty: posterior chamber lens implantation in the presence of ruptured capsule. Smith RE, et al. **Ophthalmic Surg** 1987 May;18(5):344–8

Effectivity of laser ridge intraocular lenses. Wohl LG, et al. **Ophthalmic Surg** 1986 Oct;17(10):667–9

Vertical rupture in posterior corneal layers after cataract extraction. Wolter JR, et al. **Ophthalmic Surg** 1987 Jul; 18(7):535–7

Preliminary research on the resistance of IOLs to a Q-switched Nd-YAG laser. Balacco-Gabrieli C, et al. **Ophthalmologica** 1986;193(1–2):10–3

Unplugging of prolene IOL loops. Jonasson F, et al. **Ophthalmologica** 1987;194(1):9–11

Trabeculectomy according to cairns combined with extracapsular lens extraction and intraocular lens implant in the posterior chamber. Sammartino A. **Ophthalmologica** 1987;194(1):12–8

Damage threshold of injection-molded polymethylmethacrylate (PMMA) is lower than that for lathe-cut PMMA intraocular lenses (IOLs) [letter] Bath P, et al. **Ophthalmology** 1987 May;94(5):583–4

The triple procedure. Refractive results. 1985 update. Binder PS. **Ophthalmology** 1986 Dec;93(12):1482–8

Accommodation of an endocapsular silicone lens (Phaco-Ersatz) in the nonhuman primate. Haefliger E, et al. **Ophthalmology** 1987 May;94(5):471–7

Retinal detachment after extracapsular cataract extraction with posterior chamber intraocular lens. Smith PW, et al. **Ophthalmology** 1987 May;94(5):495–504

Neodymium: YAG laser damage threshold. A comparison of injection-molded and lathe-cut polymethylmethacrylate intraocular lenses. Wilson SE, et al. **Ophthalmology** 1987 Jan;94(1):7–11

Glaucoma management in pseudophakia. Cashwell LF, et al. **South Med J** 1986 Oct;79(10):1224–8

The triple procedure: 2 to 10 year follow-up. Taylor DM, et al. **Trans Am Ophthalmol Soc** 1986;84:221–49

Rayner lecture. Lens implantation and the monocular patient. Clayman HM. **Trans Ophthalmol Soc UK** 1986;105 (Pt 4):430–4

The Mary Louise Prentice Montgomery lecture. The lens capsule: a lens implant surgeon's understanding. Drews RC. **Trans Ophthalmol Soc UK** 1986;105 (Pt 3):265–72

Calculation of intraocular lens power—results in practice. Halliday BL. **Trans Ophthalmol Soc UK** 1986;105 (Pt

4):435–40
Visual performance in pseudophakia with standard and ultraviolet–absorbing intraocular lenses: a preliminary report. Hammer HM, et al. **Trans Ophthalmol Soc UK** 1986; 105 (Pt 4):441–6
Trauma to eyes containing posterior chamber lenses. Bolling JP, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986; 38(1):307–10
Cataract surgery in developing countries [letter] **Trop Doct** 1986 Jan;16(1):24–5
[Intraocular lens implantation] Krause U. **Duodecim** 1986; 102(18):1284–8 (Fin)
[Optical methods facilitating the examination of the retina of the pseudophakic] Charleux J. **Bull Mem Soc Fr Ophtalmol** 1986;97:375–7 (Fre)
[Corneal complications of intraocular implants] Meltzer JF. **Bull Mem Soc Fr Ophtalmol** 1986;97:194–5 (Fre)
[Retinal detachment and pseudophakia] Tapissier J, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:371–4 (Fre)
[Retinal periphery of pseudophakic patients. Study of 300 cases] Adenis JP, et al. **Bull Soc Ophtalmol Fr** 1986 Jun–Jul; 86(6–7):795–8 (Eng. Abstr.) (Fre)
[Value of the calculation of the power of the lens implant] Benois E, et al. **Bull Soc Ophtalmol Fr** 1986 Dec; 86(12):1521–4 (Eng. Abstr.) (Fre)
[Current criteria of the choice of implants in cataract surgery] Bérard PV, et al. **Bull Soc Ophtalmol Fr** 1986 Oct; 86(10):1201–3 (Fre)
[The mixed air–Healon spatial technic and the technic of placing implants of the Multiflex type into the anterior chamber] Cabantous M, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1233–7 (Eng. Abstr.) (Fre)
[Use of the SRK (Sanders–Retzlaff–Kraff) regression formula in the preoperative calculation of the power of crystalline implants] Dalens H, et al. **Bull Soc Ophtalmol Fr** 1986 Jun–Jul;86(6–7):827–30 (Eng. Abstr.) (Fre)
[Binocular vision and artificial crystalline lenses] Delplace MP, et al. **Bull Soc Ophtalmol Fr** 1986 Jun–Jul; 86(6–7):831–3 (Fre)
[Reflections on secondary implants] Deschatres F, et al. **Bull Soc Ophtalmol Fr** 1985 Nov;85(11):1137–40 (Fre)
[Implantation in the capsular sac. A 4–year evaluation] Galand A, et al. **Bull Soc Ophtalmol Fr** 1987 Jan; 87(1):125–7 (Eng. Abstr.) (Fre)
[Analysis on an Apple II+ of 245 implants into the posterior chamber] Lagoutte F, et al. **Bull Soc Ophtalmol Fr** 1985 Dec;85(12):1285–6 (Fre)
[250 implants of the posterior chamber in simple cataract] Lagoutte F, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep; 86(8–9):1057–60, 1063 (Fre)
[Preliminary note: Arnott's implants: 12 cases] Lagoutte F. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep;86(8–9):1065 (Fre)
[Mesopic blue colored perimetry in pseudophakic patients] Le Rebeller MJ, et al. **Bull Soc Ophtalmol Fr** 1986 Jun–Jul; 86(6–7):799–804 (Fre)
[Respective role of ocular biometry and peroperative keratometry in final optic correction of pseudophakia patients] Malbrel C. **Bull Soc Ophtalmol Fr** 1986 Jun–Jul; 86(6–7):851 (Eng. Abstr.) (Fre)
[The crystalline lens implant, a personal experience] Massin M. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):99–104, 107–8 (Fre)
[Color vision in pseudophakia tested with the Besançon direct observation anomalometer] Mokano B, et al. **Bull Soc Ophtalmol Fr** 1986 Mar;86(3):315–7 (Eng. Abstr.) (Fre)
[Value of secondary implantation] Peyre C, et al. **Bull Soc Ophtalmol Fr** 1986 Jan;86(1):35–6, 41 (Fre)
[Artificial crystalline lenses and aniseikonia: some simple rules to be followed in the choice of implant] Risse JF, et al. **Bull Soc Ophtalmol Fr** 1986 Jun–Jul;86(6–7):805–7 (Fre)
[Crystalline lens implant: from concept to commercialization] Serpin G, et al. **Bull Soc Ophtalmol Fr** 1986 Jun–Jul; 86(6–7):819–26 (Fre)
[Artificial lenses in the posterior chamber. Results of 150 first cases] Turut P, et al. **Bull Soc Ophtalmol Fr** 1986 Apr; 86(4):569–70, 573 (Eng. Abstr.) (Fre)
[Macular photoinjury caused by a welding arc on an eye with an implant] Turut P, et al. **Bull Soc Ophtalmol Fr** 1986 Jun–Jul;86(6–7):857–9 (Eng. Abstr.) (Fre)
[Secondary implantation of artificial crystalline lenses in traumatic cataract] Turut P, et al. **Bull Soc Ophtalmol Fr** 1986 Jun–Jul;86(6–7):853–4, 856 (Eng. Abstr.) (Fre)
[Theoretical formulas for the power of artificial lenses] Aflalo G. **J Fr Ophtalmol** 1987;10(4):283–93 (Eng. Abstr.) (Fre)
[The visual field of pseudophakic patients. Perimetric and statistical study] Flament J, et al. **J Fr Ophtalmol** 1987; 10(4):295–300 (Eng. Abstr.) (Fre)
[Glaucoma and pseudophakia] Renard G. **J Fr Ophtalmol** 1986;9(11):763–72 (52 ref.) (Fre)
[Intraocular implants in diabetic patients] Vignanelli M, et al. **J Fr Ophtalmol** 1987;10(3):219–23 (Eng. Abstr.) (Fre)
[Artificial lenses. Advantages and disadvantages] Nover A. **Fortschr Med** 1986 Dec 18;104(47–48):970–2 (Ger)
[Anterior capsulectomy following implantation of a capsule–fixed lens] Böke W, et al. **Fortschr Ophthalmol** 1987;84(2):167–9 (Eng. Abstr.) (Ger)
[Computer–assisted calculation of medical data––review of development and example of ultrasound implant biometry] Chrobok R. **Fortschr Ophthalmol** 1987;84(1):86–91 (Eng. Abstr.) (Ger)
[Twilight vision and glare sensitivity in pseudophakic eyes] Lachenmayr B, et al. **Fortschr Ophthalmol** 1987;84(2):173–9 (Eng. Abstr.) (Ger)
[Practical implant biometry––a comparative study of currently available instruments] Maass C, et al. **Fortschr Ophthalmol** 1986;83(6):678–9 (Eng. Abstr.) (Ger)
[Is cataract surgery with posterior chamber lens in patients with senile maculopathy worthwhile?] Pavlovic M, et al. **Fortschr Ophthalmol** 1987;84(1):83–5 (Eng. Abstr.) (Ger)
[Comparison of functional and dioptric aniseikonia following unilateral implantation of a posterior chamber lens] Ratzel T, et al. **Fortschr Ophthalmol** 1986;83(6):680–1 (Eng. Abstr.) (Ger)
[Clinical studies on centering artificial lenses and the configuration of the posterior capsule following endocapsular implantation] Rochels R, et al. **Fortschr Ophthalmol** 1987;84(2):170–2 (Eng. Abstr.) (Ger)
[Fluorophotometric studies of the corneal endothelium following phaco–emulsification with implantation of posterior chamber lenses] Schalnus R, et al. **Fortschr Ophthalmol** 1986;83(5):552–5 (Eng. Abstr.) (Ger)
[Preoperative prediction of expected postoperative visual acuity in cataract surgery with intraocular lens implantation] Strobel J, et al. **Fortschr Ophthalmol** 1986; 83(6):673–4 (Eng. Abstr.) (Ger)
[Pathology of the corneal endothelium in pseudophakic keratopathy] Wolter JR. **Fortschr Ophthalmol** 1987; 84(2):109–14 (Eng. Abstr.) (Ger)
[Preoperative prediction of expected postoperative visual acuity before YAG laser capsulotomy in extracapsular pseudophakia and aphakia] Zaczkiewicz M, et al. **Fortschr Ophthalmol** 1986;83(6):675–7 (Eng. Abstr.) (Ger)
[Intraocular inflammatory reactions following implantation of a retropupillary lens] Böke W. **Klin Monatsbl Augenheilkd** 1987 May;190(5):393–402 (Eng. Abstr.) (Ger)
[Implantation of UV–absorbing posterior chamber lenses] Busse H, et al. **Klin Monatsbl Augenheilkd** 1986 Oct; 189(4):330–3 (Eng. Abstr.) (Ger)
[Instrument requirements for lens implantation in the capsule sac] Draeger J, et al. **Klin Monatsbl Augenheilkd** 1986 Jul; 189(1):61–2 (Eng. Abstr.) (Ger)
[Significance of aniseikonia following implantation of posterior chamber lenses] Harrer S. **Klin Monatsbl Augenheilkd** 1986 Sep;189(3):233–9 (Eng. Abstr.) (Ger)
[A complication in gas surgery: injection of gas beneath the retina in a pseudophakic eye] Lincoff H, et al. **Klin Monatsbl Augenheilkd** 1987 Feb;190(2):127–30 (Eng. Abstr.) (Ger)
[A new iris retractor for the implantation of a posterior chamber lens with a tight pupil] Rutschke M, et al. **Klin Monatsbl Augenheilkd** 1986 Jul;189(1):63 (Eng. Abstr.) (Ger)
[Retinal detachment following extracapsular cataract extraction with posterior chamber lens implantation] Schnaudigel OE, et al. **Klin Monatsbl Augenheilkd** 1987 Jun;190(6):482–3 (Eng. Abstr.) (Ger)
[Cryocoagulation of a prolapsed iris in hypertensive uveitis] Strasser G, et al. **Klin Monatsbl Augenheilkd** 1987 Mar; 190(3):199–200 (Eng. Abstr.) (Ger)
[Biomicroscopy of an intraocular lens. Comparison of specular microscopy findings with the cytologic specimen] Wenzel M, et al. **Klin Monatsbl Augenheilkd** 1987 May; 190(5):442–4 (Eng. Abstr.) (Ger)
[Calculating the diameter of the anterior chamber before implanting an artificial lens] Hauff W. **Wien Klin Wochenschr [Suppl]** 1987;171:1–19 (Eng. Abstr.) (Ger)
[Experimental study of the cell response on the intraocular lens surface] Matoba M, et al. **Nippon Ganka Gakkai Zasshi** 1986 Nov;90(11):1333–40 (Eng. Abstr.) (Jpn)
[Experimental study on the proliferation of cells over plastic lens implants with or without glow discharge treatment] Ohira A, et al. **Nippon Ganka Gakkai Zasshi** 1986 Dec; 90(12):1591–7 (Eng. Abstr.) (Jpn)
[Residual ethylene oxide gas in the intraocular lens] Sawa M, et al. **Nippon Ganka Gakkai Zasshi** 1986 Dec; 90(12):1657–62 (Eng. Abstr.) (Jpn)
[Physical characteristics of various intraocular lenses] Shimizu K. **Nippon Ganka Gakkai Zasshi** 1986 Oct; 90(10):1235–44 (Eng. Abstr.) (Jpn)
[Cataract extraction with and without lens implantation] Elsås T, et al. **Tidsskr Nor Laegeforen** 1987 Apr 30; 107(12):1021–2 (Eng. Abstr.) (Nor)
[Extracapsular senile cataract extraction with implantation of posterior chamber artificial lens] Kałużny J. **Klin Oczna** 1987 Jan;89(1):25–6 (Eng. Abstr.) (Pol)
[A computer information processing model in ophthalmology; its characteristics in unilateral cataract surgery with pseudophakos implantation] Ionescu T, et al. **Rev Chir [Oftalmol]** 1986 Jul–Sep;30(3):167–73 (Eng. Abstr.) (Rum)
[Artificial lens implant with cerclage of the pupil] Radian AB. **Rev Chir [Oftalmol]** 1986 Oct–Dec;30(4):279–81 (Eng. Abstr.) (Rum)
[Lensectomy and intraocular lens implantation through an incision in the flat part of the ciliary body for rehabilitation of patients with traumatic cataract] Glinchuk Ial, et al. **Oftalmol Zh** 1987;(2):105–7 (Eng. Abstr.) (Rus)
[Implantation of Fedorov–Zakharov model intraocular lenses] Khasanova NKh, et al. **Oftalmol Zh** 1986;(8):501–3 (Rus)
[Decentration of posterior chamber intraocular lenses and its effect on the functional outcome of surgery] Egorova EV, et al. **Vestn Oftalmol** 1986 Sep–Oct;102(5):25–7 (Eng. Abstr.) (Rus)
[Fluorescence iridoangiography in assessing iris microcirculation with the implantation of intraocular lenses made of silicon and polymethylmethacrylate] Fedorov SN, et al. **Vestn Oftalmol** 1987 May–Jun;103(3):18–21 (Eng. Abstr.) (Rus)
[Results of removing traumatic cataracts with implantation of intraocular lenses through the pars plana] Fedorov SN, et al. **Vestn Oftalmol** 1986 Sep–Oct;102(5):20–3 (Eng. Abstr.) (Rus)
[Endocapsular implantation of an artificial lens with a circular supporting element (the Saturn type)] Krasnov MM. **Vestn Oftalmol** 1987 Mar–Apr;103(2):23–6 (Eng. Abstr.) (Rus)
[Method of implanting a posterior chamber lens with intracapsular fixation] Zakharov VD, et al. **Vestn Oftalmol** 1986 Jul–Aug;102(4):17–20 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Retinal detachment after intraocular lens implantation. Vatne HO, et al. **Acta Ophthalmol (Copenh)** 1986 Oct;64(5):544–6
Pigment dispersion syndrome in pseudophakic corneal transplants. Insler MS, et al. **Am J Ophthalmol** 1986 Dec 15;102(6):762–5
Chronic Propionibacterium endophthalmitis after extracapsular cataract extraction and intraocular lens implantation. Meisler DM, et al. **Am J Ophthalmol** 1986 Dec 15;102(6):733–9
Pseudophakic malignant glaucoma––is it really pseudo–malignant? [letter] Snydacker D. **Am J Ophthalmol** 1987 Jun 15;103(6):843–4
Optical management of posterior chamber lens tilt. Woo GC, et al. **Am J Optom Physiol Opt** 1987 Jul;64(7):556–7
Phakoanaphylaxis as a cause of granulomatous uveitis following extracapsular cataract surgery. Abrahams IW. **Ann Ophthalmol** 1987 Jun;19(6):211–4
Removal of intraocular lenses: explanation and/or lens exchange. Alpar JJ. **Ann Ophthalmol** 1987 May;19(5):194–8
Closed–loop anterior chamber lenses [letter] **Arch Ophthalmol** 1987 Jan;105(1):19–21
Complications of closed–loop lens removal [letter] Alexander R. **Arch Ophthalmol** 1987 Jul;105(7):887–9
Complications of hydrogel intracorneal lenses in monkeys. Beekhuis WH, et al. **Arch Ophthalmol** 1987 Jan; 105(1):116–22
Physician obligations regarding semiflexible, closed–loop anterior chamber lenses [letter] Hagan JC 3d. **Arch Ophthalmol** 1987 Jun;105(6):744–5
Delayed, incomplete recovery of macular function after photic retinal damage associated with extracapsular cataract extraction and posterior lens insertion. Case report. Hupp SL. **Arch Ophthalmol** 1987 Aug;105(8):1022–3
Complications of semiflexible, closed–loop anterior chamber intraocular lenses. Smith PW, et al. **Arch Ophthalmol** 1987 Jan;105(1):52–7
Are there any retinal contraindications to cataract extraction and posterior chamber lens implants? [editorial] Tasman W. **Arch Ophthalmol** 1986 Dec;104(12):1767–8
Use of posterior chamber lenses in pseudophakic bullous keratopathy. Wong SK, et al. **Arch Ophthalmol** 1987 Jun; 105(6):856–8
Pathogenesis of pupillary capture after posterior chamber intraocular lens implantation. Lavin M, et al. **Br J Ophthalmol** 1986 Dec;70(12):886–9
Some postoperative complications after anterior chamber lens implantations (A.C.L.). Budo C. **Bull Soc Belge Ophtalmol** 1985;215:101–7
Giant papillary conjunctivitis from an exposed prolene suture. Skrypuch OW, et al. **Can J Ophthalmol** 1986 Aug; 21(5):189–92
Defects of Descemet's membrane as a complication in cataract extraction with lens implantation. Aust W, et al. **Dev Ophthalmol** 1987;13:20–9
Complications in posterior chamber lens implantation. Costa G. **Dev Ophthalmol** 1987;13:36–43
Combined cataract–glaucoma operation and its complications with the 7–S–intraocular lens. Schütte E, et al. **Dev Ophthalmol** 1987;13:65–9
Tissue changes induced by intraocular lenses. A histopathologic study. von Domarus D, et al. **Dev Ophthalmol** 1987;13:44–64
Pars plana vitrectomy in the management of subluxed and posteriorly dislocated intraocular lenses. Flynn HW Jr. **Graefes Arch Clin Exp Ophthalmol** 1987;225(3):169–72
Anterior chamber lenses. Part I: Complications and pathology and a review of designs. Apple DJ, et al. **J Cataract Refract Surg** 1987 Mar;13(2):157–74
Anterior chamber lenses. Part II: A laboratory study. Apple DJ, et al. **J Cataract Refract Surg** 1987 Mar;13(2):175–89
Visual aberrations caused by optic components of posterior chamber intraocular lenses. Apple DJ, et al.

J Cataract Refract Surg 1987 Jul;13(4):431–5
Pathology and physics of YAG–laser intraocular lens damage [published erratum appears in 1987 Mar;13(2):217] Bath PE, et al. J Cataract Refract Surg 1987 Jan;13(1):47–9
Follow–up on the Stableflex lens [letter] Beehler CC. J Cataract Refract Surg 1987 Jan;13(1):84
Prolapse of a rigid anterior chamber lens through an iridectomy: report of ten cases. Beehler CC. J Cataract Refract Surg 1987 Jul;13(4):436–8
Management of an extruded footplate of an anterior chamber lens with the Nd:YAG laser. Charles H, et al. J Cataract Refract Surg 1987 May;13(3):313–5
Protrusion of a posterior chamber lens haptic into the anterior chamber through iris erosion. Chen V, et al. J Cataract Refract Surg 1987 Jan;13(1):65–6
Comparison of Choyce lenses [letter] Choyce DP. J Cataract Refract Surg 1987 May;13(3):344–5
Long–term dicission rate after placing posterior chamber lenses with the convex surface posterior. Downing JE. J Cataract Refract Surg 1986 Nov;12(6):651–4
Stableflex lens report [letter] Furillo ML. J Cataract Refract Surg 19a7 Jul;13(4):455–8
Use of the Fox shield for the UGH syndrome [letter] Hagan JC 3d. J Cataract Refract Surg 1987 Jan;13(1):83
Further discussion of the Stableflex lens [letter] Hagan JC 3d. J Cataract Refract Surg 1987 May;13(3):343
Comparison of the effect of polymethylmethacrylate and silicone intraocular lenses on rabbit corneal endothelium in vitro. Herzog WR, et al. J Cataract Refract Surg 1987 Jul;13(4):397–400
Iris pigment loss and hyphema secondary to anteriorly tucked posterior chamber intraocular lens loops [letter] Khaw PT, et al. J Cataract Refract Surg 1987 Jul;13(4):453–4
A survey of intraocular lens explantations. Krafft MC, et al. J Cataract Refract Surg 1986 Nov;12(6):644–50
Histologic findings after successful posterior chamber lens implantation. Kurz GH. J Cataract Refract Surg 1987 Mar; 13(2):190–4
Unwanted optical effects caused by intraocular lens positioning holes. Landry RA. J Cataract Refract Surg 1987 Jul;13(4):421–3
Pseudophakic cystoid macular edema with the Severin lens. McConnell JM, et al. J Cataract Refract Surg 1986 Sep; 12(5):499–501
In vivo fracture of an extruded polymethylmethacrylate intraocular lens loop. Park SB, et al. J Cataract Refract Surg 1987 Mar;13(2):194–7
Effects of extracapsular cataract extraction with posterior chamber lens implantation on the development of neovascular glaucoma in diabetics. Pavese T, et al. J Cataract Refract Surg 1987 Mar;13(2):197–201
Comparative study of the effects of optic design on lens epithelium in vitro. Santos BA, et al. J Cataract Refract Surg 1987 Mar;13(2):127–30
Laser damage in injection–molded lenses [letter] Steinert RF, et al. J Cataract Refract Surg 1987 Jan;13(1):84
Effect of intraocular lens convexity on posterior capsule opacification. Sterling S, et al. J Cataract Refract Surg 1986 Nov;12(6):655–7
Penetrating keratoplasty for the treatment of pseudophakic corneal edema associated with posterior chamber lens implantation. Arentsen JJ, et al. Ophthalmic Surg 1987 Jul; 18(7):514–7
A clinical review of the IOLAB Azar model 91Z flexible anterior chamber intraocular lens. Hagan JC 3d. Ophthalmic Surg 1987 Apr;18(4):258–61
Peripheral anterior synechiae [letter] Murphy GE. Ophthalmic Surg 1987 Jul;18(7):549–50
Defective intraocular lenses [editorial] O'Day DM. Ophthalmic Surg 1987 Apr;18(4):253
Late onset, progressive, peripheral anterior synechiae with posterior chamber intraocular lenses. Van Buskirk EM. Ophthalmic Surg 1987 Feb;18(2):115–7
Intraocular lens removal during penetrating keratoplasty for pseudophakic bullous keratopathy. Busin M, et al. Ophthalmology 1987 May;94(5):505–9
Pseudophakic retinal detachments in the presence of various IOL types. Cousins S, et al. Ophthalmology 1986 Sep; 93(9):1198–208
Location and composition of haptics of posterior chamber intraocular lenses. Histopathologic study of postmortem eyes. McDonnell PJ, et al. Ophthalmology 1987 Feb; 94(2):136–42
[Late hypertension as a result of pigment dispersion after artificial lens implantation] Baikoff G, et al. Bull Mem Soc Fr Ophtalmol 1986;97:378–81 (Fre)
[Inflammatory complications and anterior chamber implants after intracapsular extraction of the crystalline lens] Chauvaud D, et al. Bull Soc Ophtalmol Fr 1986 Jun–Jul; 86(6–7):771–2, 775 (Fre)
[Prevention of complications of secondary implantation] Hachet E, et al. Bull Soc Ophtalmol Fr 1986 May; 86(5):661–3 (Eng. Abstr.) (Fre)
[Intraocular lenses: complications and complicated cases] Maumenee AE. Oftalmol Zh 1987;(4):215–7 (Eng. Abstr.) (Rus)

ECONOMICS

A cost–effectiveness comparison of the intraocular lens and the contact lens in aphakia. Davies LM, et al. Trans Ophthalmol Soc UK 1986;105 (Pt 3):304–13

METHODS

Intraocular lens power calculations. An extra edge or expensive waste? [editorial] Olson RJ. Arch Ophthalmol 1987 Aug;105(8):1035–6
Intraocular lenses: 500 consecutive intracapsular cataract extractions with lens implantation compared with 500 intracapsular extractions—observations and comments. Taylor DM, et al. Ophthalmic Surg 1978 Feb;9(1):29–55
[Effects of the insertion of an anterior–chamber artificial crystalline lens on postoperative astigmatism] Malbrel C. Bull Soc Ophtalmol Fr 1986 May;86(5):659–60 (Eng. Abstr.) (Fre)

NURSING

[Nursing care in extracapsular extraction of cataract and intraocular lens implantation] Ma TH. Chung Hua Hu Li Tsa Chih 1986 Nov;21(8):359 (Chi)

STANDARDS

Clinical results of hydrogel lens implantation. Barrett GD, et al. J Cataract Refract Surg 1986 Nov;12(6):623–31
Determination of intraocular lens power: a comparison with and without ultrasound. Kraff MC, et al. Ophthalmic Surg 1978 Feb;9(1):81–4
[Scanning electron microscopy findings in a rigid one–piece polymethylmethacrylate anterior chamber lens with a 30 year duration in the eye] Rochels R, et al. Klin Monatsbl Augenheilkd 1987 Jun;190(6):505–10 (Eng. Abstr.) (Ger)
[Defective artificial lenses] Schnaudigel OE, et al. Klin Monatsbl Augenheilkd 1986 Jun;188(6):613–4 (Eng. Abstr.) (Ger)

TRENDS

Intraocular lens implants; yesterday, today, and tomorrow [editorial] Abel R Jr. Del Med J 1986 Oct;58(10):685
Forecasting cataract surgeries and intraocular lens implantation to 1990 using a model of population dynamics. Coopersmith LW, et al. J Cataract Refract Surg 1987 May; 13(3):302–8
The 1986 innovator's lecture. Resurrection of posterior chamber lenses or why innovation occurs when it does. Shearing SP. J Cataract Refract Surg 1986 Nov;12(6):665–9
Intraocular lens data. Colenbrander A, et al. Ophthalmology 1986 Sep;93(9 Suppl):37–46

LENTICULAR NUCLEUS see **CORPUS STRIATUM**

LENTIGO

Cardiopathic and electrocardiographic changes in multiple lentigines syndrome. Mirić M, et al. Acta Med Iugosl 1986; 40(5):365–74

CLASSIFICATION

Etiological differences between subtypes of cutaneous malignant melanoma: Western Canada Melanoma Study. Elwood JM, et al. JNCI 1987 Jan;78(1):37–44

COMPLICATIONS

The risk of progression of lentigo maligna to lentigo maligna melanoma. Weinstock MA, et al. Br J Dermatol 1987 Mar; 116(3):303–10

DRUG THERAPY

Azelaic acid in lentigo maligna [letter] Br J Dermatol 1987 Apr;116(4):605–7

ETIOLOGY

PUVA lentigines [letter] Farr PM, et al. Photodermatol 1987 Feb;4(1):59

PATHOLOGY

Documented evolution of a solar lentigo into a solitary lichen planus–like keratosis. Goldenhersh MA, et al. J Cutan Pathol 1986 Aug;13(4):308–11
[Multiple cardiac malformations in a case of leopard syndrome (letter)] Einhorn S, et al. Arch Fr Pediatr 1986 May;43(5):368 (Fre)

VETERINARY

Pathology of canine lentiginosis profusa. Van Rensburg IB, et al. J S Afr Vet Assoc 1986 Sep;57(3):159–61

LENTILS see **LEGUMES**

LENTINAN see under **POLYSACCHARIDES**

LEONTIASIS OSSIUM see **HYPEROSTOSIS FRONTALIS INTERNA**

LEONTIDEUS see **CALLITHRICIDAE**

LEOPARD FROG CARCINOMA VIRUS see under **HERPESVIRIDAE**

LEPIDOPTERA

Thaumetopoea wilkinsoni (toxic pine caterpillars) blepharoconjunctivitis. Bessler E, et al. Am J Ophthalmol 1987 Jan 15;103(1):117–8
Contact urticaria and allergic contact dermatitis to the saddleback caterpillar with histologic correlation. Edwards EK Jr, et al. Int J Dermatol 1986 Sep;25(7):467
Fall webworm dermatitis. Knuckles ML, et al. Int J Dermatol 1987 Jun;26(5):320–1
Physical and surface properties of insect apolipophorin III. Kawooya JK, et al. J Biol Chem 1986 Oct 15; 261(29):13588–91
Pinemoth caterpillar disease. Lawson JP, et al. Skeletal Radiol 1986;15(6):422–7
[Prevention and control of the larva of Pieris rapae on Isatis indigotica with "decis"] Bao DF. Chung Yao Tung Pao 1986 Aug;11(8):9–10 (Chi)

ANALYSIS

Fatty acid composition of whole bodies, specific tissues and cell lines of two lepidopteran insects. Stanley–Samuelson DW, et al. Comp Biochem Physiol [B] 1986;85(2):369–73
Microanalysis of the amino acid sequence of the eclosion hormone from the tobacco hornworm Manduca sexta. Marti T, et al. FEBS Lett 1987 Jul 27;219(2):415–8
Localization and release of FMRFamide–like immunoreactivity in the cerebral neuroendocrine system of Manduca sexta. Carroll LS, et al. J Exp Biol 1986 Nov; 126:1–14

ANATOMY & HISTOLOGY

Adult–specific neurons in the nervous system of the moth, Manduca sexta: selective chemical ablation using hydroxyurea. Truman JW, et al. J Neurobiol 1986 Nov; 17(6):613–25
Cephalic sensory pathways in the central nervous system of larval Manduca sexta (Lepidoptera : Sphingidae). Kent KS, et al. Philos Trans R Soc Lond [Biol] 1987 Jan 27; 315(1168):1–36

CYTOLOGY

Immunocytochemistry of GABA in the brain and suboesophageal ganglion of Manduca sexta. Homberg U, et al. Cell Tissue Res 1987 Apr;248(1):1–24

ENZYMOLOGY

Forskolin–insensitive adenylate cyclase in cultured cells of Choristoneura fumiferana (Insecta). Gole JW, et al. Biochem Biophys Res Commun 1987 Jun 30;145(3):1192–7
Immunochemical characterization of juvenile hormone esterase from different species of Lepidoptera. Wozniak M, et al. Biochem Biophys Res Commun 1987 May 14; 144(3):1281–6
Multiple forms of juvenile hormone esterase active sites in the hemolymph of larvae of Trichoplusia ni. Jones D, et al. Comp Biochem Physiol [B] 1986;85(4):773–81
A cobra venom factor (CVF)–induced C3 convertase activity in the hemolymph of Galleria mellonella. Phipps D, et al. Dev Comp Immunol 1987 Winter;11(1):37–46
Protease inhibitor controls prophenoloxidase activation in Manduca sexta. Saul SJ, et al. FEBS Lett 1986 Nov 10; 208(1):113–6
Polyamine regulation of protein phosphorylation in the brain of the tobacco hornworm, Manduca sexta. Birnbaum MJ, et al. J Neurochem 1987 Mar;48(3):935–42

GENETICS

Patterns of region–specific chorion gene expression in the silkmoth and identification of shared 5' flanking genomic elements. Regier JC, et al. Dev Biol 1986 Dec;118(2):432–41
Developmental expression of three genes for larval cuticular proteins of the tobacco hornworm, Manduca sexta. Riddiford LM, et al. Dev Biol 1986 Nov;118(1):82–94
Evolution and higher–order structure of architectural proteins in silkmoth chorion. Regier JC. EMBO J 1986 Aug;5(8):1981–9
Organization of regionally expressed silkmoth chorion genes. Hatzopoulos AK, et al. Mol Cell Biol 1986 Sep;6(9):3215–20
Enhanced survival by photoreactivation and liquid holding following UV damage of TN–368 insect cells. Koval TM. Mutat Res 1986 Sep;166(2):149–56

GROWTH & DEVELOPMENT

Regulation of juvenile hormone biosynthesis by 20–hydroxyecdysone during the fourth larval instar of the tobacco hornworm, Manduca sexta. Whisenton LR, et al. Gen Comp Endocrinol 1987 Apr;66(1):62–70
Postembryonic neurogenesis in the CNS of the tobacco hornworm, Manduca sexta. I. Neuroblast arrays and the fate of their progeny during metamorphosis. Booker R, et al. J Comp Neurol 1987 Jan 22;255(4):548–59
Glial patterns during early development of antennal lobes of Manduca sexta: a comparison between normal lobes and lobes deprived of antennal axons. Oland LA, et al. J Comp Neurol 1987 Jan 8;255(2):196–207
Developmental endocrinology of larval moulting in the tobacco hornworm, Manduca sexta. Bollenbacher WE, et al. J Exp Biol 1987 Mar;128:175–92
Regulation of ecdysone biosynthesis in the tobacco

hornworm, Manduca sexta: titre of the haemolymph stimulatory factor during the last larval instar. Watson RD, et al. **J Exp Biol** 1987 Mar;128:159–73

Hormonally mediated reprogramming of muscles and motoneurones during the larval–pupal transformation of the tobacco hornworm, Manduca sexta. Weeks JC, et al. **J Exp Biol** 1986 Sep;125:1–13

Cuticular mechanics during larval development of the tobacco hornworm, Manduca sexta. Wolfgang WJ, et al. **J Exp Biol** 1987 Mar;128:19–33

Development of the prepupal Verson's gland of the tobacco hornworm, Manduca sexta, and its hormonal control. Lane S, et al. **J Exp Zool** 1986 Oct;240(1):83–94

Substrate phosphoprotein availability regulates eclosion hormone sensitivity in an insect CNS. Morton DB, et al. **Nature** 1986 Sep 18–24;323(6085):264–7

Evolutionary changes in the developmental expression of silkmoth chorion genes and their morphological consequences. Hatzopoulos AK, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):479–83

IMMUNOLOGY

Reactions of hemocytes of immune and non–immune Galleria mellonella larvae to Proteus mirabilis. Morton DB, et al. **Dev Comp Immunol** 1987 Winter;11(1):47–55

Evidence for histamine in the urticating hairs of Hylesia moths. Dinehart SM, et al. **J Invest Dermatol** 1987 Jun; 88(6):691–3

METABOLISM

Binding and activity of Bacillus thuringiensis delta–endotoxin to invertebrate cells. Hofmann C, et al. **Arch Microbiol** 1986 Oct;146(1):7–11

The pharate adult clasper as a tool for measuring chitin synthesis and for identifying new chitin synthesis inhibitors. Gelman DB, et al. **Comp Biochem Physiol [C]** 1986; 85(1):193–7

Aberrant, canavanyl protein formation and the ability to tolerate or utilize L–canavanine. Rosenthal GA, et al. **Experientia** 1987 May 15;43(5):558–61

Regulation of prothoracicotropic hormone release by juvenile hormone in the penultimate and last instar larvae of Mamestra brassicae. Hiruma K. **Gen Comp Endocrinol** 1986 Aug;63(2):201–11

Primary structure and comparative sequence analysis of an insect apolipoprotein. Apolipophorin–III from Manduca sexta. Cole KD, et al. **J Biol Chem** 1987 Aug 25; 262(24):11794–800

Lipoprotein biosynthesis in the larvae of the tobacco hornworm, Manduca sexta. Prasad SV, et al. **J Biol Chem** 1986 Dec 25;261(36):17174–6

The role of apolipophorin III in in vivo lipoprotein interconversions in adult Manduca sexta. Wells MA, et al. **J Biol Chem** 1987 Mar 25;262(9):4172–6

Separation and identification of geometric isomers of 3–hydroxyretinoids and occurrence in the eyes of insects. Goldsmith TH, et al. **Vision Res** 1986;26(11):1763–9

MICROBIOLOGY

The biochemistry and molecular biology of the granulosis virus that infects Plodia interpunctella. Consigli RA, et al. **Curr Top Microbiol Immunol** 1986;131:69–101 (240 ref.)

Comparison of a DNA–DNA dot–blot hybridisation assay with light microscopy and radioimmunoassay for the detection of a nuclear polyhedrosis virus. Ward VK, et al. **J Virol Methods** 1987 Jan;15(1):65–73

PARASITOLOGY

Morphological changes in haemocytes of the host, Pseudaletia separata, parasitized by Microplitis mediator or Apanteles kariyai. Tanaka T. **Dev Comp Immunol** 1987 Winter;11(1):57–67

PHYSIOLOGY

Color and spatial antagonism in the visual system of the larval swallowtail butterfly. Ichikawa T. **Brain Res** 1986 Nov 12; 397(2):381–5

Mechanisms for programmed cell death in the nervous system of a moth. Fahrbach SE, et al. **Ciba Found Symp** 1987; 126:65–81 (35 ref.)

Sex pheromones of two Asian moths (Creatonotos transiens, C. gangis; Lepidoptera—Arctiidae): behavior, morphology, chemistry and electrophysiology. Wunderer H, et al. **Exp Biol** 1986;46(1):11–27

Male–specific, sex pheromone–selective projection neurons in the antennal lobes of the moth Manduca sexta. Christensen TA, et al. **J Comp Physiol [A]** 1987 May; 160(5):553–69

GABA–mediated synaptic inhibition of projection neurons in the antennal lobes of the sphinx moth, Manduca sexta. Waldrop B, et al. **J Comp Physiol [A]** 1987 Jun;161(1):23–32

A reflex behavior mediated by monosynaptic connections between hair afferents and motoneurons in the larval tobacco hornworm, Manduca sexta. Weeks JC, et al. **J Comp Physiol [A]** 1987 Mar;160(3):315–29

Ring gland and prothoracic gland sensitivity to interspecific prothoracicotropic hormone extracts. Roberts B, et al. **J Comp Physiol [B]** 1986;156(6):767–71

Calcium–dependent action potentials in the prothoracic gland of Manduca sexta. Eusebio EJ, et al. **J Exp Biol** 1986 Nov; 126:531–6

Inhibition of Manduca sexta corpora allata in vitro by a cerebral allatostatic neuropeptide. Granger NA, et al. **Mol Cell Endocrinol** 1987 Feb;49(2–3):237–48

Trans–sexually grafted antennae alter pheromone–directed behaviour in a moth. Schneiderman AM, et al. **Nature** 1986 Oct 30–Nov 5;323(6091):801–3

Current–noise analysis of the basolateral route for K+ ions across a K+–secreting insect midgut epithelium (Manduca sexta). Zeiske W, et al. **Pflugers Arch** 1986 Dec; 407(6):657–63

Action spectra for prevention or termination of diapause in three species of Lepidoptera. Hayes DK. **Prog Clin Biol Res** 1987;227A:239–47

LEPROMIN

Lepromin skin test in normal people in Singapore: a 1 year follow–up. Ratnam KV, et al. **Singapore Med J** 1986 Jun; 27(3):233–5

DIAGNOSTIC USE

Immunohistologic comparison between armadillo–derived leprosin and standard lepromin skin tests in leprosy patients. Narayanan RB, et al. **Int Arch Allergy Appl Immunol** 1987; 82(2):202–7

IMMUNOLOGY

The "Hansen–anergic fringe". Rotberg A. **Acta Leprol (Geneve)** 1986 Jul–Sep;(102):347–54 (23 ref.)

The relationship between reactivities to lepromin A (Fernandez and Mitsuda) and a soluble protein antigen of Mycobacterium leprae. Pemajayantha V, et al. **Asian Pac J Allergy Immunol** 1987 Jun;5(1):39–46

Ability of the phenolic glycolipid–I antigen of M. leprae to elicit a positive Mitsuda response in the armadillo (Dasypus novemcinctus). Job CK, et al. **Int J Lepr Other Mycobact Dis** 1987 Jun;55(2):299–304

Studies of reactivity of some Sri Lankan population groups to antigens of Mycobacterium leprae. I. Reactivity to lepromin A. Pinto MR, et al. **Lepr Rev** 1987 Jun; 58(2):105–18

Immunological effects of lepromin testing in Sri Lankan population groups. I. Effect of repeated lepromin testing. Pinto MR, et al. **Lepr Rev** 1987 Jun;58(2):119–28

[Genetic component of the immune response to Mycobacterium leprae in healthy subjects] Bottasso OA, et al. **Medicina (B Aires)** 1986;46(6):713–8 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Lepromin–induced suppressor cells in lepromatous leprosy. Nelson EE, et al. **Cell Immunol** 1987 Jan;104(1):99–104

Lepromin–induced lymphoproliferative response of experimental leprosy monkeys: regulatory role of monocyte and lymphocyte subsets. Ohkawa S, et al. **J Immunol** 1987 Jun 1;138(11):3943–8

Lepromin stimulates interleukin–2 production and interleukin–2 receptor expression in situ in lepromatous leprosy patients. Longley BJ, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:189–98

THERAPEUTIC USE

[Eruptions in the course of immunologic reversions in lepromatous patients treated with immunomodulating agents] Saint–André P, et al. **Acta Leprol (Geneve)** 1986 Apr–Jun;(101):201–3 **(Fre)**

LEPROSTATIC AGENTS

In vitro and in vivo activities of ofloxacin against Mycobacterium leprae infection induced in mice. Saito H, et al. **Int J Lepr Other Mycobact Dis** 1986 Dec;54(4):560–2

ADMINISTRATION & DOSAGE

Symposium on multidrug therapy in leprosy. 24–26 April 1986, Würburg, West Germany. Proceedings. **Lepr Rev** 1986;57 Suppl 3:1–288

Report of the joint leprosy–tuberculosis project in Paraguay. Alvarenga AE. **Lepr Rev** 1986;57 Suppl 3:53–9

Operational aspects of the implementation of multidrug therapy at ALERT, Ethiopia. Becx–Bleumink M. **Lepr Rev** 1986;57 Suppl 3:115–23

The impact of MDT implementation in the Tanzania National TB–Leprosy Programme. Chum HJ. **Lepr Rev** 1986;57 Suppl 3:63–6

The Malta experience. Isoprodian–rifampicin combination treatment for leprosy. Depasquale G. **Lepr Rev** 1986;57 Suppl 3:29–37

Comparison of DDS with two combined chemotherapy regimens for multibacillary leprosy. Results after 3 years of treatment. A prospective randomized multicentre study. Dietrich M, et al. **Lepr Rev** 1986;57 Suppl 3:60–2

Recent developments in the field of multidrug therapy and future research in chemotherapy of leprosy. Grosset JH. **Lepr Rev** 1986;57 Suppl 3:223–34

The use of MDT in the three western regions of Nepal. Kalthoff PG. **Lepr Rev** 1986;57 Suppl 3:106–14

First assessment of the Malta Leprosy Eradication Project. Leiker DL. **Lepr Rev** 1986;57 Suppl 3:42–6

The future of leprosy in the Dominican Republic: experience with multidrug therapy. Martinez Cruz D. **Lepr Rev** 1986; 57 Suppl 3:127–33

Combined chemotherapy of multibacillary leprosy of 6 months' duration. Onsun N, et al. **Lepr Rev** 1986;57 Suppl 3:124–6

Experience with multidrug therapy in Sierra Leone: clinical, operational and managerial analysis. Rangaraj M, et al. **Lepr Rev** 1986;57 Suppl 3:77–91

Multidrug therapy cost: a hypothetical analysis. Revankar CR. **Lepr Rev** 1986;57 Suppl 3:279–85

Clinical problems in the initiation and assessment of multidrug therapy. Waters MF, et al. **Lepr Rev** 1986;57 Suppl 3:92–100

[Summary assessment of the research activities at the Marchoux Institute in Bamako] Nebout M, et al. **Acta Leprol (Geneve)** 1986 Oct–Dec;(103):461–3 **(Fre)**

PHARMACODYNAMICS

Rapid in vitro metabolic screen for antileprosy compounds. Franzblau SG, et al. **Antimicrob Agents Chemother** 1987 May;31(5):780–3

Antimycobacterial activities of two newer ansamycins, R–76–1 and DL 473. Ji BH, et al. **Int J Lepr Other Mycobact Dis** 1986 Dec;54(4):563–77

Limited in vitro multiplication of Mycobacterium leprae: application to screening potential antileprosy compounds. Dhople AM, et al. **Lepr Rev** 1986;57 Suppl 3:149–62

Host–pathogen interaction—new in vitro drug test systems against Mycobacterium leprae—possibilities and limitations. Mahadevan PR, et al. **Lepr Rev** 1986;57 Suppl 3:182–200

Strategies in the development of new drugs and drug combinations against leprosy, demonstrated on the example of folate and gyrase inhibitors. Seydel JK, et al. **Lepr Rev** 1986;57 Suppl 3:235–53

Single bacterial cell mass analysis: a rapid test method in leprosy therapy control. Seydel U, et al. **Lepr Rev** 1986; 57 Suppl 3:163–70

Metabolism in Mycobacterium leprae: possible targets for drug action. Wheeler PR. **Lepr Rev** 1986;57 Suppl 3:171–81

[Drug resistance of Mycobacterium leprae] Pattyn SR. **Acta Leprol (Geneve)** 1986 Jul–Sep;(102):279–87 **(Fre)**

THERAPEUTIC USE

A computer simulation of the effect of multidrug therapy on the incidence of leprosy. Lechat MF, et al. **Ann Soc Belg Med Trop** 1987 Mar;67(1):59–65

Multiple drug therapy: implications for field work and training at ALERT. Becx–Bleumink M. **Ethiop Med J** 1986 Dec;24 Suppl 1:69–80

Concepts behind the development of multiple drug therapy regimens in leprosy. Waters MF. **Ethiop Med J** 1986 Dec; 24 Suppl 1:61–7

Implementation of tests for monitoring drug compliance of leprosy out–patients under multi–drug therapy. Balakrishnan S, et al. **Indian J Lepr** 1986 Oct–Dec; 58(4):555–9

Experience with multidrug therapy in paucibacillary leprosy. Bhate RD, et al. **Indian J Lepr** 1986 Apr–Jun;58(2):244–50

Skin smear examination in relation to multidrug therapy campaigns. Bhatia VN. **Indian J Lepr** 1987 Jan–Mar; 59(1):75–9

Three years assessment of multidrug therapy in multibacillary leprosy cases. Ganapati R, et al. **Indian J Lepr** 1987 Jan–Mar;59(1):44–9

Short term WHO advised multiple drug treatment of paucibacillary patients [letter] Naafs B, et al. **Indian J Lepr** 1986 Apr–Jun;58(2):348–53

[Combination chemotherapy in leprosy] Leiker DL. **Ned Tijdschr Geneeskd** 1986 Oct 25;130(43):1926–9 **(Dut)**

[Analysis of the results of treatment of Hansen's neuritis] Boillot F, et al. **Acta Leprol (Geneve)** 1986 Apr–Jun; (101):255–65 (Eng. Abstr.) **(Fre)**

[A new plan in the campaign against leprosy in Anjouan. Preliminary results] Grillone S, et al. **Acta Leprol (Geneve)** 1986 Oct–Dec;(103):453–60 (Eng. Abstr.) **(Fre)**

[Multi–drug therapy trials for leprosy in Senegal: first observations relative to liver tolerance of multibacillary patients. Therapeutic consequences] Millan J, et al. **Acta Leprol (Geneve)** 1986 Oct–Dec;(103):427–44 (Eng. Abstr.) **(Fre)**

[Antibacterial chemotherapy in leprosy: principles, objectives and recommendations] Sansarricq H. **Acta Leprol (Geneve)** 1986 Jul–Sep;(102):355–62 (15 ref.) **(Fre)**

[Therapy of leprosy today] Bahmer FA, et al. **Hautarzt** 1987 Jan;38(1):1–3 (Eng. Abstr.) **(Ger)**

LEPROSY

Leprosy. Russell D. **Aust Fam Physician** 1987 Feb; 16(2):113–4, 116–7

Teaching of leprosy. Proceedings of a symposium. 20th annual general meeting of the All Africa Leprosy and Rehabilitation Training Centre (ALERT). Addis Ababa, March 1986. **Ethiop Med J** 1986 Dec;24 Suppl 1:1–94

Social dimension of leprosy: a plea to solve social problems. Chakravartti MR. **Indian J Lepr** 1986 Oct–Dec;

58(4):609–14
Training in leprosy. Chaudhury DS. **Indian J Lepr** 1986 Oct–Dec;58(4):615–7
Multiple relapses in borderline leprosy—a case report. Ramachandran A, et al. **Indian J Lepr** 1986 Oct–Dec; 58(4):623–5
Second U.S. Hansen's Disease Research Conference. Baton Rouge, Louisiana, 4–5 December 1986.
Int J Lepr Other Mycobact Dis 1987 Jun;55(2):397–420
Leprosy: new insight into an ancient disease. Modlin RL, et al. **J Am Acad Dermatol** 1987 Jul;17(1):1–13 (83 ref.)
The beginning of ALERT (All Africa Leprosy and Rehabilitation Training Centre). Brand PW. **Lepr Rev** 1986 Dec;57 Suppl 1:1–8
Basic clinicians: on the marriage between clinicians and basic scientists at AHRI/ALERT (Armauer Hansen Research Institute/All Africa Leprosy and Rehabilitation Training Centre). Britton S. **Lepr Rev** 1986 Dec;57 Suppl 1:81–7
Functions of an external medical advisory committee. Harboe M. **Lepr Rev** 1986 Dec;57 Suppl 1:41–6
The sponsors and ALERT: expectations and obligations (All Africa Leprosy and Rehabilitation Training Centre). Kober H. **Lepr Rev** 1986 Dec;57 Suppl 1:27–32
Historical outline of ALERT (All Africa Leprosy and Rehabilitation Training Centre). Mariam WK. **Lepr Rev** 1986 Dec;57 Suppl 1:9–25
Some problems arising from uncertain electricity supply [letter] Richardson JE. **Lepr Rev** 1987 Jun;58(2):189–90
Teaching leprosy: the need for knowledge and for the development of attitudes to work. Ross WF. **Lepr Rev** 1986 Dec;57 Suppl 1:33–9
Functions of the hospital in a leprosy training institution. Tadesse T. **Lepr Rev** 1986 Dec;57 Suppl 1:51–60
The Kellersberger memorial lecture. Tamrat A. **Lepr Rev** 1986 Dec;57 Suppl 1:47–50
Prospects for ALERT in the African context (All Africa Leprosy and Rehabilitation Training Centre). Tsehai G. **Lepr Rev** 1986 Dec;57 Suppl 1:89–94
[Results of a retrospective survey on medical files: apropos of 109 Hansen disease patients in the Department of Mfoundi (Cameroon) screened over a 3-year period (November 1984)] Josseran R, et al.
Acta Leprol (Geneve) 1986 Apr–Jun;(101):181–2 **(Fre)**

BLOOD

Leprosy, hypercalcemia, and elevated serum calcitriol levels. Hoffman VN, et al. **Ann Intern Med** 1986 Dec;105(6):890–1
Undernutrition and lepromatous leprosy. III. Micronutrients and their transport proteins. Rao KN, et al.
Hum Nutr Clin Nutr 1987 Mar;41(2):127–34
Blood dapsone levels in leprosy patients treated with acedapsone. George J, et al. **Indian J Lepr** 1986 Jul–Sep; 58(3):401–6
Studies on serum proteins in leprosy by polyacrylamide gel electrophoresis (page)—I. Patil SA, et al. **Indian J Lepr** 1986 Apr–Jun;58(2):202–7
Significant enhanced superoxide anion (O_2^-) production in vitro by peripheral blood monocytes of lepromatous leprosy patients stimulated with liposome and suppression by C-reactive protein (CRP). Hokama Y, et al.
J Med Clin Exp Theor 1986;17(5–6):299–311
Effect of clofazimine and dapsone on rifampicin (Lositril) pharmacokinetics in multibacillary and paucibacillary leprosy cases. Mehta J, et al. **Lepr Rev** 1986;57 Suppl 3:67–76
Hypercalcaemia and elevated 1,25-dihydroxy-vitamin D3 levels in a patient with multibacillary leprosy and a type I leprosy reaction [letter] Fraser AG, et al. **NZ Med J** 1987 Feb 11;100(817):86

CLASSIFICATION

Is neopterin—a marker of cell mediated immune response—helpful in classifying leprosy? Schmutzhard E, et al. **East Afr Med J** 1986 Sep;63(9):577–80
Why classify leprosy patients into paucibacillary and multibacillary groups? [letter] Reddy NB. **Lepr Rev** 1987 Mar;58(1):89

COMPLICATIONS

A mobile shoemaker's in Senegal to prevent plantar leprosy ulcers. Boucher P, et al. **Acta Leprol (Geneve)** 1987 Jan–Mar;(104):49–52 **(Eng, Fre)**
Coexistent leprosy and lupus erythematosus. Posner DI, et al. **Cutis** 1987 Feb;39(2):136–8
Squamous cell carcinoma in trophic ulcer cases. Arora SK, et al. **Indian J Lepr** 1987 Jan–Mar;59(1):100–2
Amyloid goiter—a case report. Dhopavkar PV, et al.
Indian J Lepr 1986 Apr–Jun;58(2):295–8
A study of palmar ridge malformation in leprosy. Gupta CM, et al. **Indian J Lepr** 1986 Oct–Dec;58(4):584–91
On the case report of 'Bullous reaction in leprosy' [letter] Kulkarni B. **Indian J Lepr** 1986 Apr–Jun;58(2):354
Eighth nerve evaluation in leprosy. Mann SB, et al.
Indian J Lepr 1987 Jan–Mar;59(1):20–5
Surgical correction of thumb with ulnar or ulnar median paralysis. Palande DD. **Indian J Lepr** 1986 Oct–Dec; 58(4):530–6
Surgical correction of intrinsic minus fingers. Palande DD. **Indian J Lepr** 1986 Oct–Dec;58(4):537–42
Tetanus in a case of lepromatous leprosy. Parikh AA, et al. **Indian J Lepr** 1986 Oct–Dec;58(4):628–9
Foot pressure measurement in leprosy and footwear design. Patil KM, et al. **Indian J Lepr** 1986 Jul–Sep;58,3):357–66
Cutaneous rhinosporidiosis in a patient of lepromatous leprosy—a case report. Porichha D, et al.
Indian J Lepr 1986 Oct–Dec;58(4):626–7
Uveal changes in leprosy. Rohatgi J, et al. **Indian J Lepr** 1986 Apr–Jun;58(2):208–15
Evaluation of nerve function deficit. Its improvement by nerve decompression or corticosteroid therapy. Shah A. **Indian J Lepr** 1986 Apr–Jun;58(2):216–24
Reactions in leprosy. Clinical aspects. Sehgal VN.
Int J Dermatol 1987 Jun;26(5):278–85 (96 ref.)
Simplified surgical technique for flexible clawed hand rehabilitation [letter] Chevallard AJ.
Int J Lepr Other Mycobact Dis 1987 Mar;55(1):160–2
Disability grading in leprosy. Suggested modifications to the WHO disability grading form. Brandsma JW, et al.
Lepr Rev 1986 Dec;57(4):361–9
The insensitive foot. Northwick Park experience. Geary NP, et al. **Lepr Rev** 1987 Mar;58(1):79–84
Undernutrition in lepromatous leprosy, Part II. Altered levels of serum elements. Their association with the disease and not with food deprivation. Rao KN, et al. **Lepr Rev** 1986 Dec;57(4):311–6
Undernutrition in lepromatous leprosy, Part I. Is is associated with poverty or with disease? Rao KN, et al. **Lepr Rev** 1986 Dec;57(4):299–309
Interpretation of formation mechanism of erythema nodosum in leprosy patients [letter] Bergel M.
Nippon Rai Gakkai Zasshi 1985 Oct–Dec;54(4):198
[The best time for surgery in leprous neuritis from today until the year 2000] **Acta Leprol (Geneve)** 1987 Jan–Mar; (104):3–30 **(Fre)**
[Surgical aspects of perforating plantar lesions and mutilations of the foot] **Acta Leprol (Geneve)** 1987 Jan–Mar; (104):31–48 **(Fre)**
[Analysis of the results of treatment of Hansen's neuritis] Boillot F, et al. **Acta Leprol (Geneve)** 1986 Apr–Jun; (101):255–65 (Eng. Abstr.) **(Fre)**
[Instruction sheet for palliative surgery in leprosy] Bourrel P. **Acta Leprol (Geneve)** 1987 Jan–Mar;(104):77–86 **(Fre)**
[New trends in the medical and anti-reactive treatment of leprotic neuritis] Carayon A. **Acta Leprol (Geneve)** 1986 Apr–Jun;(101):251–3 **(Fre)**
[New findings on the osteoarticular lesions of leprosy] Carayon A, et al. **Acta Leprol (Geneve)** 1986 Apr–Jun; (101):213–4 **(Fre)**
[The long and difficult research for indications and methods of treatment of leprous neuritis] Carayon A.
Acta Leprol (Geneve) 1987 Apr–Jun;(105):133–45 **(Fre)**
[New technic of palliative intervention in paralysis of the intrinsic muscles of the hand (cubital paralysis in Hansen's disease)] Chevallard A. **Acta Leprol (Geneve)** 1987 Jan–Mar;(104):65–8 (Eng. Abstr.) **(Fre)**
[Reconstructive surgery in paralysis of the intrinsic muscles of the fingers: I. The Palande operation for the correction of paralysis of the intrinsic muscles of the fingers] Gaisne E, et al. **Acta Leprol (Geneve)** 1987 Jan–Mar;(104):53–63 **(Fre)**
[Treatment of perforating plantar lesions by decompression of the posterior tibial nerve and the vessels of the tarsal canal] N'Deli DN. **Acta Leprol (Geneve)** 1987 Jan–Mar; (104):73–5 **(Fre)**
[Remote results of the surgical decompression of the posterior tibial nerve in the neuropathies of Hansen's disease] Chaise F, et al. **J Chir (Paris)** 1987 May;124(5):315–8 (Eng. Abstr.) **(Fre)**
[Treatment of patients with temporomandibular joint pathology developing in lepromatous leprosy] Sviridov BG, et al. **Stomatologiia (Mosk)** 1987 May–Jun;66(3):41–3 (Eng. Abstr.) **(Rus)**

CONGENITAL

Leprosy in children one year of age and under [letter] Duncan ME. **Int J Lepr Other Mycobact Dis** 1986 Dec; 54(4):646
Lepromatous placentitis and intrauterine fetal infection in lepromatous nine-banded armadillos (Dasypus novemcinctus). Job CK, et al. **Lab Invest** 1987 Jan; 56(1):44–8

DIAGNOSIS

Dermatology diagnosis. Tuberculoid leprosy. Almodóvar PI. **Bol Asoc Med PR** 1986 Dec;78(12):514–5
Radio diagnosis of skin disease. Altchek DD. **Cutis** 1987 Mar; 39(3):240
Retrospective analysis of smear examinations from multiple sites in multi-bacillary leprosy. Bhatia VN, et al.
Indian J Lepr 1986 Apr–Jun;58(2):257–62
Clinico-histopathological evaluation of modified pilocarpine test in early diagnosis of leprosy. Chattopadhyay SP, et al. **Indian J Lepr** 1986 Jul–Sep;58(3):415–9
Thyroglobulin autoantibodies in leprosy. George J, et al.
Indian J Lepr 1986 Apr–Jun;58(2):191–5
Antispermatozoal antibodies in leprosy with special reference to their morphological patterns. Gupta SC, et al.
Indian J Lepr 1986 Apr–Jun;58(2):196–201
A dot enzyme immunoassay for detection of IgM antibodies against phenolic glycolipid-I in sera from leprosy patients. Kumar S, et al. **Indian J Lepr** 1986 Apr–Jun;58(2):185–90
Melkersson-Rosenthal syndrome masquerading as tuberculoid leprosy. Pavithran K. **Indian J Lepr** 1987 Jan–Mar;59(1):26–9
Amniotic band syndrome. Pavithran K. **Indian J Lepr** 1986 Apr–Jun;58(2):291–4
Immunohistologic comparison between armadillo-derived leprosin and standard lepromin skin tests in leprosy patients. Narayanan RB, et al. **Int Arch Allergy Appl Immunol** 1987; 82(2):202–7
Sensitivity and specificity of the FLA-ABS test for leprosy in Mexican populations. Amezcua ME, et al.
Int J Lepr Other Mycobact Dis 1987 Jun;55(2):286–92
Comparability among histopathologists in the diagnosis and classification of lesions suspected of leprosy in Malawi. Fine PE, et al. **Int J Lepr Other Mycobact Dis** 1986 Dec; 54(4):614–25
S-100 protein and immunoperoxidase technique as an aid in the histopathologic diagnosis of leprosy. Fleury RN, et al.
Int J Lepr Other Mycobact Dis 1987 Jun;55(2):338–44
ELISA detection of IgM antibodies against phenolic glycolipid-I in the management of leprosy: a comparison between laboratories. Meeker HC, et al.
Int J Lepr Other Mycobact Dis 1986 Dec;54(4):530–9
Serodiagnosis of leprosy: relationships between antibodies to Mycobacterium leprae phenolic glycolipid I and protein antigens. Levis WR, et al. **J Clin Microbiol** 1986 Dec; 24(6):917–21
Leprosy in ENT. Younus M. **J Laryngol Otol** 1986 Dec; 100(12):1437–42
Measurement of pressure under leprotic feet using a barograph. Patil KM, et al. **J Rehabil Res Dev** 1987 Spring; 24(2):9–12
Sonographic diagnosis of tuberculoid leprosy. Fornage BD, et al. **J Ultrasound Med** 1987 Feb;6(2):105–7
Anti-mycobacterial antibodies in saliva. Abe M, et al.
Lepr Rev 1986 Dec;57 Suppl 2:213–23
Simplification and standardization of serodiagnostic tests for leprosy based on phenolic glycolipid-I (PG-I) antigen. Aguado Sanchez G, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:83–93
The detection of subclinical leprosy using a monoclonal antibody based radioimmunoassay. Ashworth M, et al.
Lepr Rev 1986 Sep;57(3):237–42
Development of a dot-ELISA for detection of leprosy antigenuria under field conditions. Kaldany RR, et al.
Lepr Rev 1986 Dec;57 Suppl 2:95–100
The 'Ellis' and 'Ryrie' tests. Naafs B, et al. **Lepr Rev** 1987 Mar;58(1):53–60
A multicentre evaluation of a questionnaire to assess ability in the diagnosis of leprosy. Smith WC. **Lepr Rev** 1987 Jun; 58(2):141–8
Use of all age data may change results of Hansen's disease study [letter] Tracy GS. **Public Health Rep** 1987 Jan–Feb; 102(1):118
Lepromin skin test in normal people in Singapore: a 1 year follow-up. Ratnam KV, et al. **Singapore Med J** 1986 Jun; 27(3):233–5
Nontuberculous mycobacterial skin infection resembling lepromatous leprosy. Love GL. **South Med J** 1987 Aug; 80(8):1060–1
[Leprosy in young children in Western Africa] Saint-André P, et al. **Acta Leprol (Geneve)** 1986 Apr–Jun;(101):211 **(Fre)**

DRUG THERAPY

A computer simulation of the effect of multidrug therapy on the incidence of leprosy. Lechat MF, et al.
Ann Soc Belg Med Trop 1987 Mar;67(1):59–65
Rifabutin and rifapentine compared with rifampin against Mycobacterium leprae in mice [letter] Pattyn SR.
Antimicrob Agents Chemother 1987 Jan;31(1):134
Activity of ofloxacin and pefloxacin against Mycobacterium leprae in mice [letter]. Pattyn SR.
Antimicrob Agents Chemother 1987 Apr;31(4):671–2
Multiple drug therapy: implications for field work and training at ALERT. Becx-Bleumink M. **Ethiop Med J** 1986 Dec;24 Suppl 1:69–80
Concepts behind the development of multiple drug therapy regimens in leprosy. Waters MF. **Ethiop Med J** 1986 Dec; 24 Suppl 1:61–7
Implementation of tests for monitoring drug compliance of leprosy out-patients under multi-drug therapy.
Balakrishnan S, et al. **Indian J Lepr** 1986 Oct–Dec; 58(4):555–9
Experience with multidrug therapy in paucibacillary leprosy. Bhate RD, et al. **Indian J Lepr** 1986 Apr–Jun;58(2):244–50
Skin smear examination in relation to multidrug therapy campaigns. Bhatia VN. **Indian J Lepr** 1987 Jan–Mar; 59(1):75–9
Short term chemotherapy of paucibacillary leprosy. Dhir R, et al. **Indian J Lepr** 1986 Oct–Dec;58(4):549–54
Three years assessment of multidrug therapy in multibacillary leprosy cases. Ganapati R, et al. **Indian J Lepr** 1987 Jan–Mar;59(1):44–9
Evaluation of levamisole, an immunopotentiator, in the treatment of lepromatous leprosy. Kar HK, et al.
Indian J Lepr 1986 Oct–Dec;58(4):592–600
Follow up of BL/LL patients on a slightly modified WHO regimen of multidrug therapy. Katoch K, et al.
Indian J Lepr 1987 Jan–Mar;59(1):36–43
Dapsone syndrome—a case report. Khare AK, et al.
Indian J Lepr 1987 Jan–Mar;59(1):106–9
Short term combination therapy for paucibacillary

leprosy—histological evaluation & follow-up study. Kumar B, et al. **Indian J Lepr** 1987 Jan-Mar;59(1):54-62

More about clofazimine—3 years experience and review of literature. Kumar B, et al. **Indian J Lepr** 1987 Jan-Mar; 59(1):63-74

Short term WHO advised multiple drug treatment of paucibacillary patients [letter] Naafs B, et al. **Indian J Lepr** 1986 Apr-Jun;58(2):348-53

Thalidomide in leprosy—study of 94 cases. Parikh DA, et al. **Indian J Lepr** 1986 Oct-Dec;58(4):560-6

Follow-up study of pauci-bacillary leprosy on-multi-drug regimen. Ramanan R, et al. **Indian J Lepr** 1987 Jan-Mar; 59(1):50-3

A comparative study of the efficacy of WHO and IAL multidrug therapy regimens for leprosy—an in-vivo and in-vitro study. Revankar CR, et al. **Indian J Lepr** 1986 Oct-Dec;58(4):543-8

Dapsone dependent nodular panniculitis. Uplekar MW, et al. **Indian J Lepr** 1986 Apr-Jun;58(2):286-90

Elementology of leprosy. Vohora SB. **Indian J Lepr** 1986 Jul-Sep;58(3):451-60

Diabetogenic effect of dapsone [letter] Asensio AS, et al. **Int J Lepr Other Mycobact Dis** 1987 Jun;55(2):357-8

Further studies of the killing of M. leprae by aminoglycosides: reduced dosage and frequency of administration. Gelber RH. **Int J Lepr Other Mycobact Dis** 1987 Mar;55(1):78-82

Activities of pefloxacin and ciprofloxacin against Mycobacterium leprae in the mouse. Guelpa-Lauras CC, et al. **Int J Lepr Other Mycobact Dis** 1987 Mar;55(1):70-7

Antimycobacterial activities of two newer ansamycins, R-76-1 and DL 473. Ji BH, et al. **Int J Lepr Other Mycobact Dis** 1986 Dec;54(4):563-77

Comparison of three regimens containing rifampin for treatment of paucibacillary leprosy patients. Katoch K, et al. **Int J Lepr Other Mycobact Dis** 1987 Mar;55(1):1-8

Trial of cimetidine in lepromatous leprosy—a futile attempt [letter] Mathur NK, et al. **Int J Lepr Other Mycobact Dis** 1986 Dec;54(4):644-5

In vitro and in vivo activities of ofloxacin against Mycobacterium leprae infection induced in mice. Saito H, et al. **Int J Lepr Other Mycobact Dis** 1986 Dec;54(4):560-2

Dapsone-induced neuropathy compounds Hansen's disease nerve damage: an electrophysiological study in tuberculoid patients. Sebille A, et al. **Int J Lepr Other Mycobact Dis** 1987 Mar;55(1):16-22

Dapsone neuropathy—report of three cases and pathologic features of a motor nerve. Sirsat AM, et al. **Int J Lepr Other Mycobact Dis** 1987 Mar;55(1):23-9

Photoactivated 8-methoxypsoralen in repigmentation of tuberculoid leprosy [letter] Srinivas CR, et al. **Int J Lepr Other Mycobact Dis** 1987 Mar;55(1):159-60

Effect of cyclosporine A in erythema nodosum leprosum. Uyemura K, et al. **J Immunol** 1986 Dec 1;137(11):3620-3

Activity of minocycline in Mycobacterium leprae-infected mice. Gelber RH. **J Infect Dis** 1987 Jul;156(1):236-9

Study of compliance of the patients in leprosy control programme in an urban slum. Kartikeyan S, et al. **J Postgrad Med** 1986 Jul;32(3):127-30

Symposium on multidrug therapy in leprosy. 24-26 April 1986, Würburg, West Germany. Proceedings. **Lepr Rev** 1986;57 Suppl 3:1-288

Characteristics of patients in the THELEP trials of chemotherapy of leprosy at Bamako and Chingleput. Subcommittee on Clinical Trials of the Chemotherapy of Leprosy (THELEP) Scientific Working Group of the UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases. **Lepr Rev** 1987 Mar;58(1):7-16

Report of the joint leprosy-tuberculosis project in Paraguay. Alvarenga AE. **Lepr Rev** 1986;57 Suppl 3:53-9

Operational aspects of the implementation of multidrug therapy at ALERT, Ethiopia. Becx-Bleumink M. **Lepr Rev** 1986;57 Suppl 3:115-23

Multiple drug therapy: implications for field work and training at ALERT (All Africa Leprosy and Rehabilitation Training Centre). Becx-Bleumink M. **Lepr Rev** 1986 Dec; 57 Suppl 1:69-80

Preliminary evaluation of the effect of WHO-MDT on disabilities in leprosy patients in Malawi (Central Africa). Boerrigter G, et al. **Lepr Rev** 1986;57 Suppl 3:101-5

The impact of MDT implementation in the Tanzania National TB-Leprosy Programme. Chum HJ. **Lepr Rev** 1986;57 Suppl 3:63-6

The Malta experience. Isoprodian-rifampicin combination treatment for leprosy. Depasquale G. **Lepr Rev** 1986;57 Suppl 3:29-37

Comparison of DDS with two combined chemotherapy regimens for multibacillary leprosy. Results after 3 years of treatment. A prospective randomized multicentre study. Dietrich M, et al. **Lepr Rev** 1986;57 Suppl 3:60-2

Recent developments in the field of multidrug therapy and future research in chemotherapy of leprosy. Grosset JH. **Lepr Rev** 1986;57 Suppl 3:223-34

A report on two follow-up investigations of the Malta-Project. Jopling WH. **Lepr Rev** 1986;57 Suppl 3:47-52

The use of MDT in the three western regions of Nepal. Kalthoff PG. **Lepr Rev** 1986;57 Suppl 3:106-14

Factors influencing clinic attendance during the multidrug therapy of leprosy. Langhorne P, et al. **Lepr Rev** 1987 Mar; 58(1):17-30

Preliminary results of treatment of leprosy patients in The Netherlands with daily rifampicin, dapsone and clofazimine. Leiker DL. **Lepr Rev** 1986;57 Suppl 3:272-3

First assessment of the Malta Leprosy Eradication Project. Leiker DL. **Lepr Rev** 1986;57 Suppl 3:42-6

The future of leprosy in the Dominican Republic: experience with multidrug therapy. Martinez Cruz D. **Lepr Rev** 1986; 57 Suppl 3:127-33

A possible 'flu'syndrome on once-monthly rifampicin [letter] Naafs B, et al. **Lepr Rev** 1986 Sep;57(3):271-2

Supplies of thalidomide for use in leprosy [letter] Neelamkavil P. **Lepr Rev** 1986 Sep;57(3):273

Combined chemotherapy of multibacillary leprosy of 6 months' duration. Onsun N, et al. **Lepr Rev** 1986;57 Suppl 3:124-6

Efficacy of different regimens in multibacillary leprosy. Pattyn SR. **Lepr Rev** 1986;57 Suppl 3:265-71

Experience with multidrug therapy in Sierra Leone: clinical, operational and managerial analysis. Rangaraj M, et al. **Lepr Rev** 1986;57 Suppl 3:77-91

Multidrug therapy cost: a hypothetical analysis. Revankar CR. **Lepr Rev** 1986;57 Suppl 3:279-85

Single bacterial cell mass analysis: a rapid test method in leprosy therapy control. Seydel U, et al. **Lepr Rev** 1986; 57 Suppl 3:163-70

Rifampicin in pregnancy [letter] Summers A. **Lepr Rev** 1986 Sep;57(3):274-5

Clinical problems in the initiation and assessment of multidrug therapy. Waters MF, et al. **Lepr Rev** 1986;57 Suppl 3:92-100

Concepts behind the development of multiple drug therapy regimens in leprosy. Waters MF. **Lepr Rev** 1986 Dec;57 Suppl 1:61-7

Calendar (blister) packs for multiple drug therapy in leprosy: an inexpensive, locally-produced version [letter] Wiseman LA. **Lepr Rev** 1987 Mar;58(1):85-7

The management of leprosy. Boughton CR, et al. **Med J Aust** 1987 Jun 1;146(11):593-9 (44 ref.)

Clofazimine for leprosy and Mycobacterium avium complex infections. **Med Lett Drugs Ther** 1987 Aug 14;29(746):77-8

Treatment of paucibacillary leprosy patients with dapsone and rifampicin. Samuel NM, et al. **Nippon Rai Gakkai Zasshi** 1985 Oct-Dec;54(4):193-7

Primary dapsone resistance in multibacillary leprosy among Nepalese children. Samuel NM, et al. **Singapore Med J** 1987 Feb;28(1):28-30

[Effect of rifampicin, clofazimine and dapsone in treating 296 cases of multibacillary leprosy] Li WZ. **Chung Hua I Hsueh Tsa Chih** 1987 Jan;67(1):1-3 (Eng. Abstr.) **(Chi)**

[Combination chemotherapy in leprosy] Leiker DL. **Ned Tijdschr Geneeskd** 1986 Oct 25;130(43):1926-9 **(Dut)**

[Indications for the use of lamprene in the treatment of leprosy] Browne SG. **Acta Leprol (Geneve)** 1986 Oct-Dec; (103):409-11 **(Fre)**

[5-year assessment of daily multi-drug therapy of leprosy in Guadeloupe since 1980] Cartel JC, et al. **Acta Leprol (Geneve)** 1986 Oct-Dec;(103):415-25 (Eng. Abstr.) **(Fre)**

[Short-term clinical and histological evaluation of combination drug therapy of leprosy in Mayotte] Cnudde F, et al. **Acta Leprol (Geneve)** 1987 Apr-Jun;(105):115-24 (Eng. Abstr.) **(Fre)**

[Dynamics of establishing resistance of M. leprae to dapsone and rifampicin in Martinique] Constant-Desportes-Relouzat M, et al. **Acta Leprol (Geneve)** 1986 Jul-Sep;(102):293-300 **(Fre)**

[Clinical and bacteriological assessment 8 years after triple-drug therapy for multibacillary leprosy in Senegal] Dousset-Faure I, et al. **Acta Leprol (Geneve)** 1986 Oct-Dec; (103):465-72 (Eng. Abstr.) **(Fre)**

[How we have ensured the proper taking of medication in a multi-drug therapy program in Vietnam] Duê LK. **Acta Leprol (Geneve)** 1986 Oct-Dec;(103):491-3 **(Fre)**

[Efficacy and tolerance of daily combined treatment of multibacillary leprosy] Flageul B, et al. **Acta Leprol (Geneve)** 1986 Jul-Sep;(102):379-87 **(Fre)**

[A new plan in the campaign against leprosy in Anjouan. Preliminary results] Grillone S, et al. **Acta Leprol (Geneve)** 1986 Oct-Dec;(103):453-60 (Eng. Abstr.) **(Fre)**

[Comparison of 3 therapeutic regimens in paucibacillary leprosy. Preliminary note] Husser JA, et al. **Acta Leprol (Geneve)** 1986 Oct-Dec;(103):447-52 (Eng. Abstr.) **(Fre)**

[Suspicion of paucibacillary leprosy resistant to dapsone: importance of follow-up] Husser JA, et al. **Acta Leprol (Geneve)** 1987 Apr-Jun;(105):147-50 (Eng. Abstr.) **(Fre)**

[Treatment of leprosy by human metabolites] Mester de Parajd L, et al. **Acta Leprol (Geneve)** 1986 Jul-Sep; (102):363-72 (Eng. Abstr.) **(Fre)**

[Multi-drug therapy trials for leprosy in Senegal: first observations relative to liver tolerance of multibacillary patients. Therapeutic consequences] Millan J, et al. **Acta Leprol (Geneve)** 1986 Oct-Dec;(103):427-44 (Eng. Abstr.) **(Fre)**

[Practical problems encountered in the multi-drug therapy of leprosy in Senegal] Naudin JC, et al. **Acta Leprol (Geneve)** 1986 Oct-Dec;(103):479-89 (Eng. Abstr.) **(Fre)**

[Practical problems of polychemotherapy of leprosy in the Ivory Coast] N'Deli N, et al. **Acta Leprol (Geneve)** 1986 Jul-Sep;(102):373-7 **(Fre)**

[Principle findings connected with the problems of implementing the multi-drug therapy for leprosy in West Africa] Nebout M, et al. **Acta Leprol (Geneve)** 1986 Oct-Dec;(103):473-8 (Eng. Abstr.) **(Fre)**

[Summary assessment of the research activities at the Marchoux Institute in Bamako] Nebout M, et al. **Acta Leprol (Geneve)** 1986 Oct-Dec;(103):461-3 **(Fre)**

[Inadequate rifampicin treatment in multibacillary leprosy and the incubation time of relapse] Pattyn SR, et al. **Acta Leprol (Geneve)** 1986 Jul-Sep;(102):301-2 **(Fre)**

[Efficacy of combined treatments comprising 6 months' administration of rifampicin in multibacillary leprosy] Pattyn SR, et al. **Acta Leprol (Geneve)** 1986 Oct-Dec; (103):445-6 (Eng. Abstr.) **(Fre)**

[Inadequate treatment in multibacillary leprosy and incubation times for relapses] Pattyn SR, et al. **Acta Leprol (Geneve)** 1986 Oct-Dec;(103):495-9 (Eng. Abstr.) **(Fre)**

[Recurrence and resistance in 1030 leprosy patients undergoing monotherapy with dapsone] Rollier R, et al. **Acta Leprol (Geneve)** 1986 Oct-Dec;(103):413-4 **(Fre)**

[Antibacterial chemotherapy in leprosy: principles, objectives and recommendations] Sansarricq H. **Acta Leprol (Geneve)** 1986 Jul-Sep;(102):355-62 (15 ref.) **(Fre)**

[Principles of medical treatment: objectives and recommendations] Sansarricq H. **Acta Leprol (Geneve)** 1986 Oct-Dec;(103):393-5 **(Fre)**

[Combined treatments consisting of rifampicin in periodic doses: the experience in Niger] Soga G, et al. **Acta Leprol (Geneve)** 1986 Oct-Dec;(103):397-407 **(Fre)**

[Resistance of Mycobacterium leprae to dapsone and rifampicin: apropos of a survey carried out in the Cape Verde region (Senegal)] Grosset J, et al. **Med Trop (Mars)** 1987 Apr-Jun;47(2):171-5 (Eng. Abstr.) **(Fre)**

[Therapy of leprosy today] Bahmer FA, et al. **Hautarzt** 1987 Jan;38(1):1-3 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

[Histochemical study of reverse reactions in experimental leprosy in armadillos] Iushchenko AA, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):376-80 (Eng. Abstr.) **(Rus)**

ETHNOLOGY

The development of culture-specific health education packages to increase case-finding of leprosy in Sarawak. Chen PC, et al. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):427-32

Human behavioural research applied to the leprosy control programme of Sarawak, Malaysia. Chen PC. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):421-6

ETIOLOGY

Leprosy in the acquired immunodeficiency syndrome [letter] Lamfers EJ, et al. **Ann Intern Med** 1987 Jul;107(1):111-2

A case of tuberculoid leprosy—following small pox vaccination. Dey SK, et al. **Indian J Dermatol** 1985 Jul; 30(3):39-41

Upgrading borderline tuberculoid (subpolar tuberculoid tuberculoid) developing in tattoos [letter] Sehgal VN. **Int J Dermatol** 1987 Jun;26(5):332-3

Scar leprosy following needle inoculation [letter] Sehgal VN. **Lepr Rev** 1986 Sep;57(3):272-3

Pathogenesis of lesions in leprosy [letter] Bergel M. **Nippon Rai Gakkai Zasshi** 1985 Oct-Dec;54(4):199-201

Leprosy: cause, transmission, and a new theory of pathogenesis. Reich CV. **Rev Infect Dis** 1987 May-Jun; 9(3):590-4

[Inoculation of Mycobacterium leprae into beige mice] Kohsaka K, et al. **Nippon Rai Gakkai Zasshi** 1985 Oct-Dec; 54(4):171-5 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

An evaluation of palmar flexion creases and dermatoglyphics in leprosy. Gupta CM, et al. **Indian J Lepr** 1986 Apr-Jun; 58(2):263-75

Genetic epidemiology of the susceptibility to leprosy. Shields ED, et al. **J Clin Invest** 1987 Apr;79(4):1139-43

An HLA-linked gene controls susceptibility to lepromatous leprosy through T cell regulation. Kikuchi I, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:139-42

HLA and leprosy in Koreans. Kim SJ, et al. **Tissue Antigens** 1987 Mar;29(3):146-53

[Immunogenetics of leprosy] Lagrange PH. **Acta Leprol (Geneve)** 1986 Jul-Sep;(102):303-22 (41 ref.) **(Fre)**

[HLA and leprosy] Demenais F, et al. **Pathol Biol (Paris)** 1986 Jun;34(6):735-7 (Eng. Abstr.) **(Fre)**

HISTORY

Historical outline of ALERT. Mariam WK. **Ethiop Med J** 1986 Dec;24 Suppl 1:9-25

Leprosy and social class in the Middle Ages [letter] Arnold

HL Jr. **Int J Lepr Other Mycobact Dis** 1986 Dec; 54(4):647–8
Osler on leprosy. Date A.
Int J Lepr Other Mycobact Dis 1986 Dec;54(4):651–3
Plague and leprosy in the Middle Ages: a paradoxical cross-immunity? Ell SR.
Int J Lepr Other Mycobact Dis 1987 Jun;55(2):345–50
Early tractata on leprosy. Kato L.
Int J Lepr Other Mycobact Dis 1987 Mar;55(1):157–9
The "Ex Libris" of Dr. N.A.Torshujev.Kato L.
Int J Lepr Other Mycobact Dis 1986 Dec;54(4):649–51
Shakespeare's "Hoar leprosy" [letter]Rotberg A.
Int J Lepr Other Mycobact Dis 1986 Dec;54(4):648–9
Leprosy and psoriasis [letter] Lyell A.
J Am Acad Dermatol 1987 Mar;16(3 Pt 1):620–2
Historical background to the development of leprosy control in Malawi. Harris GF, et al. **Lepr Rev** 1986 Sep;57(3):193–8
The contribution of Charles C. Shepard to leprosy research: from the mouse footpad model to new DNA technology. Rees RJ. **Lepr Rev** 1986 Dec;57 Suppl 2:1–14
[The history of leprosy] Bonafé JL. **Acta Leprol (Geneve)** 1987 Apr–Jun;(105):95–100 **(Fre)**
[Historical stages of leprosy in Tunisia] Nouri M, et al. **Acta Leprol (Geneve)** 1986 Apr–Jun;(101):155–9 **(Fre)**

IMMUNOLOGY

The "Hansen-anergic fringe".Rotberg A.
Acta Leprol (Geneve) 1986 Jul–Sep;(102):347–54 (23 ref.)
Cellular responses to the intradermal injection of recombinant human gamma-interferon in lepromatous leprosy patients. Kaplan G, et al. **Am J Pathol** 1987 Aug;128(2):345–53
Chemical synthesis and seroreactivity of O-(3,6-di-O-methyl-beta-D-glucopyranosyl)-(1——4)-O-(2,3-di-O-methyl-alpha-L-rhamnopyranosyl)-(1——9)-oxynonanoyl-bovine serum albumin—the leprosy-specific, natural disaccharide-octyl-neoglycoprotein. Chatterjee D, et al. **Carbohydr Res** 1986 Nov 15;156:39–56
Accessory cell function of cells isolated from Mycobacterium leprae-induced granulomas. Montreewasuwat N, et al. **Cell Immunol** 1986 Oct 15;102(2):346–54
Lepromin-induced suppressor cells in lepromatous leprosy. Nelson EE, et al. **Cell Immunol** 1987 Jan;104(1):99–104
Epithelioid cell granuloma induction in the guinea pig by haptenated Mycobacterium leprae. Verghese S, et al. **Cell Immunol** 1987 Jul;107(2):307–16
The cellular responses of tuberculosis and leprosy patients and of healthy controls in skin tests to 'new tuberculin' and leprosin A. Beck JS, et al. **Clin Exp Immunol** 1986 Jun;64(3):484–94
Use of synthetic glycoconjugates containing the Mycobacterium leprae specific and immunodominant epitope of phenolic glycolipid I in the serology of leprosy. Brett SJ, et al. **Clin Exp Immunol** 1986 Jun;64(3):476–83
A single cell assay for the study of gamma-interferon formation in leprosy patients. Lindh J, et al. **Clin Exp Immunol** 1987 Jan;67(1):51–4
In situ characterization of T lymphocyte subpopulations in leprosy in the mangabey monkey. Modlin RL, et al. **Clin Exp Immunol** 1986 Aug;65(2):260–4
Epidermal keratinocyte Ia expression, Langerhans cell hyperplasia and lymphocytic infiltration in skin lesions of leprosy. Rea TH, et al. **Clin Exp Immunol** 1986 Aug; 65(2):253–9
Suppressor response in lepromatous leprosy patients: role of Leu 2a cells. del Carmen Sastain M, et al. **Immunology** 1987 Jan;60(1):13–8
The mechanism of action of the factor in leprosy serum that inhibits the growth of mitogen-stimulated normal human lymphocytes. Hussein YM, et al. **Immunology** 1987 Jun; 61(2):125–9
Characterization of a factor in leprosy serum that inhibits the growth of mitogen-stimulated normal human lymphocytes. Kerr MA, et al. **Immunology** 1987 Jun; 61(2):117–23
Seroepidemiological studies in subsided cases of multi and paucibacillary types of leprosy using FLA-ABS test. Bharadwaj VP, et al. **Indian J Lepr** 1987 Jan–Mar; 59(1):30–5
ADCC function in Mycobacterium leprae inoculated normal and immunosuppressed mice. Ganguly NK, et al. **Indian J Lepr** 1986 Jul–Sep;58(3):377–81
A possible role for E-receptor in immunosuppression in leprosy. Muthukkaruppan VR. **Indian J Lepr** 1986 Jul–Sep; 58(3):389–94
Tr, T mu and B lymphocytes in erythema nodosum leprosum reactions of leprosy. Rao TD, et al. **Indian J Lepr** 1986 Oct–Dec;58(4):601–8
Circulating immune complexes in normal and immunosuppressed mice infected with Mycobacterium leprae. Vaishnavi C, et al. **Indian J Lepr** 1986 Oct–Dec; 58(4):522–9
Macrophage chemotaxis in Mycobacterium leprae infected mice. Kumar B, et al. **Indian J Med Res** 1987 Feb;85:125–9
Cell mediated immunity in tuberculoid leprosy—a study of 'T' lymphocyte population by 'E' rosetty technique. Behra RN, et al. **Indian J Public Health** 1986 Apr–Jun;30(2):85–90
Immunologic aspects of leprosy. Ashamalla L. **Int J Dermatol** 1986 Sep;25(7):452–5
Natural killer (NK) cell activity and reversal reaction in leprosy. Converse PJ, et al. **Int J Lepr Other Mycobact Dis** 1986 Dec;54(4):503–9
Effect of preformed immune complexes on the course of Mycobacterium leprae infection in normal mice. Kaur S, et al. **Int J Lepr Other Mycobact Dis** 1987 Jun;55(2):358–61
Assessment of the immune deficit in leprosy patients and the effect of recombinant IL-2 in vitro. Locniskar M, et al. **Int J Lepr Other Mycobact Dis** 1987 Jun;55(2):249–60
Macrophage-induced procoagulation assay for the detection of defective macrophage activation in leprosy patients. Long HT, et al. **Int J Lepr Other Mycobact Dis** 1986 Dec; 54(4):641–4
The relation between allergy and immunity in leprosy. Maier M. **Int J Lepr Other Mycobact Dis** 1987 Mar;55(1):116–39 (97 ref.)
Cold reactive lymphocytotoxic antibodies in patients with tuberculoid and lepromatous leprosy. Naik S, et al. **Int J Lepr Other Mycobact Dis** 1987 Jun;55(2):273–6
HLA antigens and neural reversal reactions in Ethiopian borderline tuberculoid leprosy patients. Ottenhoff TH, et al. **Int J Lepr Other Mycobact Dis** 1987 Jun;55(2):261–6
Effect of interleukin-1 (IL-1) and IL-2 on lymphocytes from patients with leprosy. Rada EM, et al. **Int J Lepr Other Mycobact Dis** 1987 Jun;55(2):351–3
Enhanced cell-mediated immune responses in erythema nodosum leprosum reactions of leprosy. Rao TD, et al. **Int J Lepr Other Mycobact Dis** 1987 Mar;55(1):36–41
Clinical significance of changes in serum proteins, immunoglobulins, and autoantibodies in leprosy. Rawlinson WD, et al. **Int J Lepr Other Mycobact Dis** 1987 Jun; 55(2):277–85
Defective monocyte chemotaxis in active lepromatous leprosy. Schuller-Levis G, et al. **Int J Lepr Other Mycobact Dis** 1987 Jun;55(2):267–72
Evaluation of monitoring antibodies to PGL-I in armadillos experimentally infected with M. leprae. Truman RW, et al. **Int J Lepr Other Mycobact Dis** 1986 Dec;54(4):556–9
Idiotypic markers of polyclonal B cell activation. Public idiotypes shared by monoclonal antibodies derived from patients with systemic lupus erythematosus or leprosy. Mackworth-Young C, et al. **J Clin Invest** 1987 Feb; 79(2):572–81
Cellular and humoral immune response to a phenolic glycolipid antigen (PhenGL-I) in patients with leprosy. Koster FT, et al. **J Clin Microbiol** 1987 Mar;25(3):551–6
Molecular localization and polymorphism of HLA class II restriction determinants defined by Mycobacterium leprae-reactive helper T cell clones from leprosy patients. Ottenhoff TH, et al. **J Exp Med** 1986 Dec 1;164(6):1923–39
Phenolic glycolipid-I of Mycobacterium leprae induces general suppression of in vitro concanavalin A responses unrelated to leprosy type. Prasad HK, et al. **J Exp Med** 1987 Jan 1;165(1):239–44
Mycobacterium leprae antigen-induced suppression of T cell proliferation in vitro. Kaplan G, et al. **J Immunol** 1987 May 1;138(9):3028–34
Suppressor T lymphocytes from lepromatous leprosy skin lesions. Modlin RL, et al. **J Immunol** 1986 Nov 1; 137(9):2831–4
T cell defect in lepromatous leprosy is reversible in vitro in the absence of exogenous growth factors. Mohaghegpour N, et al. **J Immunol** 1987 Jan 15; 138(2):570–4
Lepromin-induced lymphoproliferative response of experimental leprosy monkeys: regulatory role of monocyte and lymphocyte subsets. Ohkawa S, et al. **J Immunol** 1987 Jun 1;138(11):3943–8
The limited spectrum of antinuclear antibodies in leprosy. Miller RA, et al. **J Rheumatol** 1987 Feb;14(1):108–10
Antibodies to Mycobacterium tuberculosis in leprosy [letter] Bothamley G, et al. **Lancet** 1987 May 9;1(8541):1098
Immunology of leprosy. Proceedings of an international symposium. Oslo, Norway, September, 1986. Dedicated to the memory of Charles C. Shepard. **Lepr Rev** 1986 Dec; 57 Suppl 2:1–308
Analysis of a leprosy-specific antibody epitope. Brown WB, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:157–62
HLA class II restricted helper and suppressor clones reactive with Mycobacterium leprae. de Vries RR, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:113–21
Viral challenge in leprosy: viraemia, interferon, and specific antibody production. Gelber RH, et al. **Lepr Rev** 1987 Jun; 58(2):155–64
Seroreactivity against the Mycobacterium leprae phenolic glycolipid I in mycobacteria infected or stimulated groups of individuals. Gonzalez-Abreu E, et al. **Lepr Rev** 1987 Jun;58(2):149–54
Regulation of cell-mediated immunity in lepromatous leprosy. Kaplan G, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:199–202
Lepromin stimulates interleukin-2 production and interleukin-2 receptor expression in situ in lepromatous leprosy patients. Longley BJ, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:189–98
T-lymphocyte clones from leprosy skin lesions. Modlin RL, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:143–7
Reversal of T cell unresponsiveness in lepromatous leprosy. Nath I. **Lepr Rev** 1986 Dec;57 Suppl 2:207–12
Antigens of Mycobacterium leprae in urine during treatment of patients with lepromatous leprosy. Olcén P, et al. **Lepr Rev** 1986 Dec;57(4):329–40
Immunological effects of lepromin testing in Sri Lankan population groups. I. Effect of repeated lepromin testing. Pinto MR, et al. **Lepr Rev** 1987 Jun;58(2):119–28
Studies of reactivity of some Sri Lankan population groups to antigens of Mycobacterium leprae. I. Reactivity to lepromin A. Pinto MR, et al. **Lepr Rev** 1987 Jun; 58(2):105–18
The specificity of the immunodeficiency in lepromatous leprosy. Reitan LJ. **Lepr Rev** 1986 Dec;57 Suppl 2:203–5
Antimycobacterial antibodies in Dasypus novemcinctus infected with Mycobacterium leprae and their correlation with the serum levels of lactate dehydrogenase. Rojas-Espinosa O, et al. **Lepr Rev** 1986 Dec;57(4):317–27
Specific antigen and antibody to Mycobacterium leprae in the cryoprecipitate of a patient with Lucio phenomenon. Drosos AA, et al. **Rheumatol Int** 1986;6(2):93–4
Methods for the detection of a specific Mycobacterium leprae antigen in the urine of leprosy patients. Kaldany RR, et al. **Scand J Immunol** 1987 Jan;25(1):37–43
[Immunologic examinations in lepromatous leprosy] Ayed K, et al. **Acta Leprol (Geneve)** 1986 Jul–Sep;(102):345 **(Fre)**
[Anti-M. leprae antibodies and the serology of leprosy] Bach MA. **Acta Leprol (Geneve)** 1986 Jul–Sep;(102):331–41 **(Fre)**
[Progress in reaction identification and the clinical aspects of Hansen's neuritis] Carayon A. **Acta Leprol (Geneve)** 1986 Apr–Jun;(101):237 **(Fre)**
[Visualization of IL2 and IL2 receptor in leprous dermal granulomata] Elageul B, et al. **Acta Leprol (Geneve)** 1986 Jul–Sep;(102):343–4 **(Fre)**
[Intercellular relations in the immunology of leprosy] Hoffenbach A. **Acta Leprol (Geneve)** 1986 Jul–Sep; (102):323–9 **(Fre)**
[Reactive states: general review] Languillon J. **Acta Leprol (Geneve)** 1986 Apr–Jun;(101):233–5 **(Fre)**
[Effect of thalidomide on serum levels of immunoglobulins IgM and IgA, rheumatoid factor and isohemagglutinins anti-A and anti-B in patients with lepromatous leprosy. A double-blind study] Arruda WO, et al. **Rev Inst Med Trop Sao Paulo** 1986 Jan–Feb;28(1):12–4 (Eng. Abstr.) **(Por)**
[Detection of immune complexes in lepromatous leprosy. I. Evaluation of the polyethylene glycol precipitation technic] Valdés-Portela A. **Rev Cubana Med Trop** 1985 Sep–Dec; 37(3):295–9 (Eng. Abstr.) **(Spa)**

METABOLISM

Study of hydration of stratum corneum in leprosy. Okhandiar RP, et al. **Indian J Lepr** 1986 Jul–Sep;58(3):395–400
The effect of clofazimine on the pharmacokinetics of rifampicin and dapsone in leprosy. Venkatesan K, et al. **J Antimicrob Chemother** 1986 Dec;18(6):715–8

MICROBIOLOGY

Demonstration of Mycobacterium leprae antigen in nerves of tuberculoid leprosy. Barros U, et al. **Acta Neuropathol (Berl)** 1987;73(4):387–92
Biological, chemical, immunological and staining properties of bacteria isolated from tissues of leprosy patients. Cocito C, et al. **Eur J Epidemiol** 1985 Sep;1(3):202–31 (164 ref.)
Isolation of a Nocardia-like chemoautotroph from clinically proven multibacillary cases of leprosy. Chakrabarty AN, et al. **Indian J Exp Biol** 1986 Oct;24(10):663–5
Bacterial index: Ridley's vs. Dharmendra's scale. Bhatia VN. **Indian J Lepr** 1987 Jan–Mar;59(1):80–3
Bacillaemia in smear negative leprosy [letter] Jayapal V, et al. **Indian J Lepr** 1986 Oct–Dec;58(4):661
An unusual case of untreated lepromatous leprosy with rare bacilli: an immunologic follow-up [letter] Gelber RH, et al. **Int J Lepr Other Mycobact Dis** 1987 Jun;55(2):353–4
Selection of sites for slit skin smears in untreated and treated leprosy patients. Kumar B, et al. **Int J Lepr Other Mycobact Dis** 1986 Dec;54(4):540–4

OCCURRENCE

Leprosy in eastern region of Rajasthan. Mishra B, et al. **Indian J Lepr** 1986 Oct–Dec;58(4):576–83
Retrieval of 'left the area leprosy cases' by cross-no:ification. Rao PS. **Indian J Lepr** 1986 Jul–Sep;58(3):420–3
Stigmatized illnesses in Africa. Emeharole PO. **J R Soc Health** 1987 Feb;107(1):23–5, 27
'Eradication' of leprosy from Malta [letter] Briffa DV. **Lepr Rev** 1987 Mar;58(1):87–9
Leprosy in Cross River State, Nigeria. Brightmer I. **Lepr Rev** 1987 Mar;58(1):69–78
Leprosy and tuberculosis in the Blue Nile Valley of Western Ethiopia. Gundersen SG. **Lepr Rev** 1987 Jun;58(2):129–40
On the epidemiology of leprosy in Malta. Leiker DL. **Lepr Rev** 1986;57 Suppl 3:38–41
Leprosy in Pakistan. Pfau R, et al. **Lepr Rev** 1986 Dec; 57(4):355–9
Mass screening in leprosy endemic areas of Turkey: preliminary report. Saylan T, et al. **Lepr Rev** 1986 Sep; 57(3):243–9
Immigrant health screening [letter] Lloyd AR, et al. **Med J Aust** 1987 Jun 1;146(11):609
Hansen's disease (leprosy) revisited. Wariyar B, et al. **Nebr Med J** 1986 Oct;71(10):357–8
[Epidemiology of leprosy in Guadeloupe from 1970 to 1984] Cartel JL, et al. **Acta Leprol (Geneve)** 1986 Apr–Jun; (101):161–73 (Eng. Abstr.) **(Fre)**
[Leprosy in Tunisia] Jomaa B. **Acta Leprol (Geneve)** 1986 Apr–Jun;(101):141–53 **(Fre)**

[Epidemiologic technics applied to leprosy] Lechat MF. **Acta Leprol (Geneve)** 1986 Apr–Jun;(101):127–8 **(Fre)**

[The evolution of endemic leprosy throughout the world] Lopez Bravo DL. **Acta Leprol (Geneve)** 1987 Jan–Mar;(104):87–8 **(Fre)**

[Course of the leprosy endemy throughout the world] López Bravo L. **Acta Leprol (Geneve)** 1986 Apr–Jun;(101):129–39 **(Fre)**

[Epidemiological profile of leprosy in Algeria] Oughanem M, et al. **Acta Leprol (Geneve)** 1986 Apr–Jun;(101):175–8 **(Fre)**

[Course of the leprosy endemy in Maroc from 1950 to 1984] Rollier R, et al. **Acta Leprol (Geneve)** 1986 Apr–Jun;(101):179–80 **(Fre)**

[Leprosy in Reunion] Timol F, et al. **Acta Leprol (Geneve)** 1986 Apr–Jun;(101):183–5 **(Fre)**

[The last offensive of leprosy in the South Pacific Ocean: the epidemic on Rapa (1922–1950)] Louis FJ, et al. **Bull Soc Pathol Exot Filiales** 1987;80(3):306–19 (Eng. Abstr.) **(Fre)**

[Epidemiology and control of leprosy, Brazil] Gonçalves A. **Bol Of Sanit Panam** 1987 Mar;102(3):246–56 (Eng. Abstr.) **(Por)**

PATHOLOGY

Histomorphometric study of the superficial peroneal nerve in leprosy. Ben Hamida M, et al. **Acta Leprol (Geneve)** 1987 Apr–Jun;(105):101–14

Histoid leprosy—a histopathological reapparel. Sehgal VN, et al. **Acta Leprol (Geneve)** 1987 Apr–Jun;(105):125–31

Widespread eruption in a patient from Haiti. Scharf MJ, et al. **Arch Dermatol** 1986 Dec;122(12):1437, 1440

Scalp lesion in a lepromatous patient—case report. Malaviya GN, et al. **Indian J Lepr** 1987 Jan–Mar;59(1):103–5

The histopathology of type I (lepra) and type II (ENL) reactions in leprosy. Sehgal VN, et al. **Indian J Lepr** 1986 Apr–Jun;58(2):240–3

Clinical and histopathological observations on pure neuritic leprosy. Uplekar MW, et al. **Indian J Lepr** 1986 Oct–Dec; 58(4):513–21

Sciatic nerve in experimental leprosy. Vaishnavi C, et al. **Indian J Lepr** 1986 Jul–Sep;58(3):373–6

Experimental leprosy in a rhesus monkey: necropsy findings. Baskin GB, et al. **Int J Lepr Other Mycobact Dis** 1987 Mar;55(1):109–15

Ultracytochemical studies of lysosomal function in the macrophages of human leprosy—I. Bharadwaj VP, et al. **Int J Lepr Other Mycobact Dis** 1987 Jun;55(2):328–32

Studies of cell death (apoptosis) and cell division in leprosy granulomas. Cree IA, et al. **Int J Lepr Other Mycobact Dis** 1986 Dec;54(4):607–13

Myelinated and unmyelinated fibers in sural nerve biopsy of a case with lepromatous leprosy—a quantitative approach. Gibbels E, et al. **Int J Lepr Other Mycobact Dis** 1987 Jun;55(2):333–7

Lipid composition of human leprous tissue [letter] Kumar B, et al. **Int J Lepr Other Mycobact Dis** 1987 Mar; 55(1):162–4

Orientation staining for the demonstration of Mycobacterium leprae in semithin sections. Luderschmidt C. **Int J Lepr Other Mycobact Dis** 1987 Mar;55(1):83–7

Histopathological examination of skin biopsies from an epidemiological study of leprosy in northern Malawi. McDougall AC, et al. **Int J Lepr Other Mycobact Dis** 1987 Mar;55(1):88–98

Classification of nerves is modified by the delayed recognition of Mycobacterium leprae. Ridley DS, et al. **Int J Lepr Other Mycobact Dis** 1986 Dec;54(4):596–606

Events surrounding the recognition of Mycobacterium leprae in nerves. Ridley MJ, et al. **Int J Lepr Other Mycobact Dis** 1987 Mar;55(1):99–108

Reversal reaction—management with topical corticosteroids [letter] Srinivas CR, et al. **Int J Lepr Other Mycobact Dis** 1987 Jun;55(2):355–7

Status of histoid leprosy—a clinical, bacteriological, histopathological and immunological appraisal. Sehgal VN, et al. **J Dermatol (Tokyo)** 1987 Feb;14(1):38–42

Distribution and turnover of Langerhans cells during delayed immune responses in human skin. Kaplan G, et al. **J Exp Med** 1987 Mar 1;165(3):763–76

Teased fibre studies in leprous neuropathy. Jacobs JM, et al. **J Neurol Sci** 1987 Jul;79(3):301–13

Oral lesions in lepromatous leprosy. Bucci F Jr, et al. **J Oral Med** 1987 Jan–Mar;42(1):4–6

Unilateral oedema of reversal reaction (RR) in borderline leprosy [letter] Joseph MS. **Lepr Rev** 1986 Sep;57(3):276–7

Immunohistochemical studies of leprous neuritis. Nilsen R, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:177–87

An unusual bullous reaction in borderline leprosy. Singh K. **Lepr Rev** 1987 Mar;58(1):61–7

Histopathology of skin lesions in leprosy. Jayalakshmi. **Malays J Pathol** 1980 Aug;3:39–45

Leprosy of the head and neck. Pollack JD, et al. **Otolaryngol Head Neck Surg** 1987 Jul;97(1):93–6

[Necrotic course of erythema nodosum leprosum] Husser JA, et al. **Acta Leprol (Geneve)** 1986 Apr–Jun;(101):239–50 (Eng. Abstr.) **(Fre)**

[Clinical and developmental aspects of tuberculoid leprosy] Languillon J. **Acta Leprol (Geneve)** 1986 Apr–Jun; (101):197–9 **(Fre)**

[Histological progression of paucibacillary leprosy during treatment with various therapeutic regimens] Pattyn SR, et al. **Acta Leprol (Geneve)** 1986 Oct–Dec;(103):501–4 (Eng. Abstr.) **(Fre)**

[Histopathologic diagnosis of leprosy and leprotic reactions] Ravisse P. **Acta Leprol (Geneve)** 1986 Apr–Jun;(101):267–76 **(Fre)**

[Clinical and developmental aspects of lepromatous leprosy] Rollier R, et al. **Acta Leprol (Geneve)** 1986 Apr–Jun; (101):193–5 **(Fre)**

[Eruptions in the course of immunologic reversions in lepromatous patients treated with immunomodulating agents] Saint-André P, et al. **Acta Leprol (Geneve)** 1986 Apr–Jun;(101):201–3 **(Fre)**

[Forms of T leprosy as a function of development] Saint-André P, et al. **Acta Leprol (Geneve)** 1986 Apr–Jun; (101):205–10 **(Fre)**

[Differential diagnosis of leprosy in developing countries—the skin and oral cavity] Stingl P. **Z Hautkr** 1987 Feb 1;62(3):227–31 (Eng. Abstr.) **(Ger)**

[Pathomorphology of leprosy] Warzok R, et al. **Zentralbl Allg Pathol** 1986;132(1):3–9 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

An attempt to reduce the loss of pain and touch sensations in leprosy patients. Jain GL, et al. **Indian J Lepr** 1986 Apr–Jun;58(2):225–32

Histo-functional status of kidney in leprosy. Nigam P, et al. **Indian J Lepr** 1986 Oct–Dec;58(4):567–75

Objective grading of the loss of pain and touch sensations in leprosy patients. Jain GL, et al. **Int J Lepr Other Mycobact Dis** 1986 Dec;54(4):525–9

Plantar sensory threshold in the ulcerative foot. Birke JA, et al. **Lepr Rev** 1986 Sep;57(3):261–7

Field detection of early neuritis in leprosy. Fritschi EP. **Lepr Rev** 1987 Jun;58(2):173–7

Clinical, bacteriological and histopathological assessment of multibacillary leprosy cases after 1 and 2 years multidrug therapy. Preliminary communication. McNair AN, et al. **Lepr Rev** 1987 Jun;58(2):182–6

[Electrophysiologic demonstration of the activity of rifampicin on nerve disease developing in mice inoculated with Hansen's bacilli in the footpad] Sébille A, et al. **Acta Leprol (Geneve)** 1986 Apr–Jun;(101):215 **(Fre)**

[Importance of neurophysiologic examinations in neural leprosy: role of the H reflex of the soleus muscle (study of 30 cases)] Thabet M, et al. **Acta Leprol (Geneve)** 1986 Apr–Jun;(101):217–32 **(Fre)**

[Clinical study of sensory disorders of the hand in leprosy] Narita M, et al. **Nippon Rai Gakkai Zasshi** 1986 Jan–Mar; 55(1):1–12 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Strategy for National Leprosy Eradication in India [letter] Bedi BM. **Indian J Lepr** 1986 Oct–Dec;58(4):659–61

Strategy for leprosy eradication in India [editorial] Dharmendra. **Indian J Lepr** 1986 Oct–Dec;58(4):511–2

Control and eradication of leprosy. Dharmendra. **Indian J Lepr** 1986 Apr–Jun;58(2):175–84

Limited duration acedapsone prophylaxis in leprosy. Neelan PN, et al. **Indian J Lepr** 1986 Apr–Jun;58(2):251–6

Report on three decades of leprosy control work in T. Narsipur by GMLF. Gandhi Memorial Leprosy Foundation [published erratum appears in Indian J Lepr 1987 Jan–Mar;59(1):118] Tare SP. **Indian J Lepr** 1986 Jul–Sep;58(3):441–50

Leprosy control by a people's program: "a new concept in technology transfer". Antia NH. **Int J Health Serv** 1987; 17(2):327–31

In vitro proliferation of lymphocytes from human volunteers vaccinated with armadillo-derived, killed M. leprae. Gill HK, et al. **Int J Lepr Other Mycobact Dis** 1987 Mar; 55(1):30–5

Vaccines against leprosy [editorial] **Lancet** 1987 May 23; 1(8543):1183–4

Teaching of leprosy. Proceedings of a symposium. 20th annual general meeting of the All Africa Leprosy and Rehabilitation Training Centre (ALERT). Addis Ababa, March 1986. **Lepr Rev** 1986 Dec;57 Suppl 1:1–94

Ten years' leprosy control work in Malawi (Central Africa)—I. Methods and outcome after treatment. Boerrigter G, et al. **Lepr Rev** 1986 Sep;57(3):199–219

The relationship between delayed type hypersensitivity and protective immunity induced by mycobacterial vaccines in man. Fine PE, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:275–83 (31 ref.)

The Karonga prevention trial—which BCG? Pönnighaus JM, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:285–92

Ten years' leprosy control work in Malawi (Central Africa)—II. Patterns of endemicity since 1973. Ponnighaus JM, et al. **Lepr Rev** 1986 Sep;57(3):221–36

Voluntary agencies and leprosy control in India. Rao CK, et al. **Lepr Rev** 1987 Jun;58(2):97–103

Disability assessment as a measure of progress in leprosy control. Smith WC, et al. **Lepr Rev** 1986 Sep;57(3):251–9

Operational problems in leprosy programmes when the endemicity declines. Wheate HW, et al. **Lepr Rev** 1987 Mar; 58(1):1–5

India carries out large-scale tests of anti-leprosy vaccine [news] Jayaraman KS. **Nature** 1987 Aug 20–26; 328(6132):660

Evaluation of health education in leprosy control programme: methodological considerations. Mutatkar RK, et al. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):437–41

Problems in leprosy control and the need for human behaviour and socio-economic research. Rajagopalan K, et al. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):486–8

Psycho-social and environmental factors in triad model for the management of control programme: focus on leprosy. Valencia LB. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):442–50

[Epidemiological changes of leprosy in the Fujian Province] Shao KW. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Mar;20(2):73–5 (Eng. Abstr.) **(Chi)**

[Leprosy health education in Martinique 1981–1985] Constant-Desportes M, et al. **Acta Leprol (Geneve)** 1986 Apr–Jun;(101):191–2 **(Fre)**

[Health education: leprosy in Martinique 1981–1985] Constant-Desportes M, et al. **Acta Leprol (Geneve)** 1987 Jan–Mar;(104):89–92 **(Fre)**

[Vaccination against leprosy] Grosset J, et al. **Acta Leprol (Geneve)** 1986 Jul–Sep;(102):289–91 **(Fre)**

[Training of leprosy teams in health education] Van Parijs LG. **Acta Leprol (Geneve)** 1986 Apr–Jun;(101):187–90 **(Fre)**

[Study on prevention of leprosy. 2. Chemo-prophylaxis trial for leprosy household contact children] Saikawa K. **Nippon Rai Gakkai Zasshi** 1985 Oct–Dec;54(4):187–92 (Eng. Abstr.) **(Jpn)**

[On leprosy control policy in Okinawa] Saikawa K. **Nippon Rai Gakkai Zasshi** 1985 Oct–Dec;54(4):176–86 (19 ref.) (Eng. Abstr.) **(Jpn)**

PSYCHOLOGY

Psychosocial dimensions of drug default in leprosy. Anandaraj H. **Indian J Lepr** 1986 Jul–Sep;58(3):424–30

Dropouts during treatment for leprosy (a study in the ELEP leprosy control project, Dharmapuri district, Tamilnadu during 1975–77). Gopalakrishnan S. **Indian J Lepr** 1986 Jul–Sep;58(3):431–40

Adjustmental problems of leprosy patients. Sabesan S, et al. **Indian J Lepr** 1987 Jan–Mar;59(1):84–91

Impact of leprosy on family and intimate relationships. Ashamalla L. **Int J Dermatol** 1987 Jun;26(5):305–7

Knowledge, beliefs and attitudes on leprosy in Iloilo City Proper, Philippines. Gerochi LN. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):433–6

The restoration of an image. Brand PW. **Trans Med Soc Lond** 1984–85;101:48–52

RADIONUCLIDE IMAGING

Erythema nodosum leprosum reaction of leprosy causing the double stripe sign on bone scan. Case report. Datz FL. **Clin Nucl Med** 1987 Mar;12(3):212–4

REHABILITATION

The beginning of ALERT. Brand PW. **Ethiop Med J** 1986 Dec;24 Suppl 1:1–8

Basic clinicians: on the marriage between clinicians and basic scientists at AHRI/ALERT. Britton S. **Ethiop Med J** 1986 Dec;24 Suppl 1:81–7

Functions of an external medical advisory committee. Harboe M. **Ethiop Med J** 1986 Dec;24 Suppl 1:41–6

The sponsors and ALERT: expectations and obligations. Kober H. **Ethiop Med J** 1986 Dec;24 Suppl 1:27–32

Teaching leprosy: the need for knowledge and for the development of attitudes to work. Ross WF. **Ethiop Med J** 1986 Dec;24 Suppl 1:33–9

Functions of the hospital in a leprosy training institution. Tadesse T. **Ethiop Med J** 1986 Dec;24 Suppl 1:51–60

Prospects for ALERT in the African context. Tsehai G. **Ethiop Med J** 1986 Dec;24 Suppl 1:89–94

Rehabilitation of leprosy patients. Bhowmick A. **Indian J Lepr** 1987 Jan–Mar;59(1):92–9

THERAPY

Centelia asciatica linn (Thankuni) in the treatment of leprosy. Ali SM, et al. **Bangladesh Med Res Counc Bull** 1986 Dec; 12(2):74–7

BCG vaccination in leprosy. Noordeen SK. **Dev Biol Stand** 1986;58 (Pt A):287–92

Immunostimulation with an allied mycobacterium and DDS chemotherapy in lepromatous leprosy. Chaudhury S, et al. **Indian J Dermatol** 1985 Oct;30(4):3–10

Immunotherapy in leprosy: a new approach. Chattopadhyay SP, et al. **Indian J Lepr** 1986 Apr–Jun;58(2):233–9

The usefulness of acupuncture in leprosy. Jagirdar PC. **Indian J Lepr** 1986 Oct–Dec;58(4):618–22

Evaluation of a continual compliance monitoring program for dapsone in an outpatient Hansen's disease clinic. Fischer JH, et al. **Int J Lepr Other Mycobact Dis** 1986 Dec; 54(4):517–24

Lepromatous leprosy: follow-up rate in 84 patients [letter] Barton RP. **Lepr Rev** 1986 Sep;57(3):269–71

The development of a vaccination model using two microorganisms and its application in leprosy and leishmaniasis. Convit J, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:263–73

Problems encountered in treating one leprosy patient in a developing country: a case report. Joseph MS, et al. **Lepr Rev** 1987 Jun;58(2):165–71
The 'Modjep' System: a renewed proposal for a combined clinico-epidemiological follow-up of the leprosy patient. Pomisto S. **Lepr Rev** 1987 Jun;58(2):178–81

TRANSMISSION

Transmission of leprosy. Job CK. **Indian J Lepr** 1987 Jan–Mar;59(1):1–8 (36 ref.)
Risk of exposure to leprosy in hyperendemic slums of Bombay [letter] Ganapati R, et al. **Lepr Rev** 1986 Sep; 57(3):275
How might Mycobacterium leprae enter the body? Pallen MJ, et al. **Lepr Rev** 1986 Dec;57(4):289–97 (49 ref.)
Environmental nonhuman sources of leprosy. Blake LA, et al. **Rev Infect Dis** 1987 May–Jun;9(3):562–77 (92 ref.)

URINE

Bedside urinalysis in untreated leprosy patients. Singh RG, et al. **Indian J Lepr** 1986 Jul–Sep;58(3):407–14
Circadian and other variation in epinephrine and norepinephrine among several human populations, including healthy blinded and sighted subjects and patients with leprosy. Scheving LE, et al. **Prog Clin Biol Res** 1987; 227A:329–49

VETERINARY

Thorns in armadillo ears and noses and their role in the transmission of leprosy. Job CK, et al.
Arch Pathol Lab Med 1986 Nov;110(11):1025–8
Identification of cat leprosy bacillus grown in mice. Mori T, et al. **Int J Lepr Other Mycobact Dis** 1986 Dec; 54(4):584–95
Naturally acquired leprosy in the nine-banded armadillo: a decade of experience 1975–1985. Walsh GP, et al.
J Leukocyte Biol 1986 Nov;40(5):645–56
Leprosy in armadillos (Dasypus novemcinctus) from Texas. Clark KA, et al. **J Wildl Dis** 1987 Apr;23(2):220–4
Surveillance for naturally acquired leprosy in a nine-banded armadillo population. Stallknecht DE, et al.
J Wildl Dis 1987 Apr;23(2):308–10

LEPTAZOLE see **PENTYLENETETRAZOLE**

LEPTOCONOPS see **CERATOPOGONIDAE**

LEPTOCURARES see **NEUROMUSCULAR DEPOLARIZING AGENTS**

LEPTOCYTOSIS, HEREDITARY see **THALASSEMIA**

LEPTOMONAS see **TRYPANOSOMATIDAE**

LEPTOSPIRA

ANALYSIS

Copurification of Leptospira interrogans serovar pomona hemolysin and sphingomyelinase C. Bernheimer AW, et al. **Infect Immun** 1986 Oct;54(1):262–4
Heterogeneity of lipopolysaccharide banding patterns in Leptospira spp. Cinco M, et al. **J Gen Microbiol** 1986 Apr; 132 (Pt 4):1135–8

CLASSIFICATION

Newly recognized Leptospira species ("Leptospira inadai" serovar lyme) isolated from human skin. Schmid GP, et al. **J Clin Microbiol** 1986 Sep;24(3):484–6
What is the correct specific epithet for pathogenic Leptospirae? Kmety E, et al.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1986 Sep; 262(3):298–303

ENZYMOLOGY

The use of aminopeptidase substrate specificity profiles to identify leptospires. Neill SD, et al.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1987 Apr; 264(1–2):137–44

IMMUNOLOGY

Comparison of the DIFCO and Patoc 1 slide antigens in the screening of leptospirosis. Wanyangu SW, et al.
Comp Immunol Microbiol Infect Dis 1987;10(2):155–61
Serological studies on British isolates of the Sejroe serogroup of leptospira. II. An evaluation of the factor analysis method of identifying leptospires using strains belonging to the Sejroe serogroup. Little TW, et al.
Epidemiol Infect 1987 Aug;99(1):107–15
Immunodiagnosis of leptospiral uveitis in two horses. Davidson MG, et al. **Equine Vet J** 1987 Mar;19(2):155–7
Serological study of leptospiral infections and endogenous uveitis among horses and ponies in the United Kingdom. Matthews AG, et al. **Equine Vet J** 1987 Mar;19(2):125–8
Leptospires in vervet monkeys (Cercopithecus aethiops Sabaeus) on Barbados. Baulu J, et al. **J Wildl Dis** 1987 Jan;23(1):60–6
A serological survey of leptospiral infection in horses in the Republic of Ireland. Egan J, et al. **Vet Rec** 1986 Sep 20; 119(12):306
[The use of direct immunoenzyme analysis with genus-specific peroxidase conjugate in leptospirosis] Volina EG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Dec; (12):72–5 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

A waterborne outbreak of leptospirosis. Cacciapuoti B, et al. **Am J Epidemiol** 1987 Sep;126(3):535–45
Isolation of Leptospira hardjo from kidneys of Ontario cattle at slaughter. Prescott JF, et al. **Can J Vet Res** 1987 Apr; 51(2):229–31
Epidemiological studies on leptospirosis in Chiang Mai (Thailand). Arimitsu Y, et al. **Epidemiol Infect** 1987 Feb; 98(1):97–100
Serological studies of British leptospiral isolates of the Sejroe serogroup. III. The distribution of leptospires of the Sejroe serogroup in the British Isles. Little TW, et al.
Epidemiol Infect 1987 Aug;99(1):117–26
Isolation of leptospires from a one week dead coypu (Myocastor coypus Molina). Wanyangu SW, et al.
Int J Zoonoses 1986 Dec;13(4):236–40
An immunohistochemic assay to localize leptospires in tissue specimens. Alves VA, et al.
Rev Inst Med Trop Sao Paulo 1986 May–Jun;28(3):170–3
[A proposal for the standardization of antigen density in the leptospira microagglutination test] Jareková J.
Cesk Epidemiol Mikrobiol Imunol 1986 Sep;35(5):307–10 (Eng. Abstr.) **(Slo)**
[Isolation of Leptospira in conventional animals, Mus musculus (albino variety) obtained from a traditional breeding center] García MJ, et al.
Rev Cubana Med Trop 1985 Sep–Dec;37(3):341–7 (Eng. Abstr.) **(Spa)**

LEPTOSPIRA ICTEROHAEMORRHAGIAE see **LEPTOSPIRA INTERROGANS**

LEPTOSPIRA INTERROGANS

ANALYSIS

[Studies on endotoxins of Leptospira. III. The presence of beta-hydroxy-myristic acid in the LPS of Leptospira interrogans serovar Lai] Wu SH, et al.
Wei Sheng Wu Hsueh Pao 1987 Jun;27(2):165–8 (Eng. Abstr.) **(Chi)**

CLASSIFICATION

Experimental infection of monkeys with Leptospira interrogans serovar hardjo. Palmer MF, et al.
Epidemiol Infect 1987 Apr;98(2):191–7
What is the correct specific epithet for pathogenic Leptospirae? Kmety E, et al.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1986 Sep; 262(3):298–303
[Identification of Leptospira kunming of the Pomona serogroup] Zhang FZ, et al. **Wei Sheng Wu Hsueh Pao** 1987 Mar;27(1):88–91 (Eng. Abstr.) **(Chi)**

DRUG EFFECTS

The susceptibility of a strain of Leptospira interrogans serogroup icterohaemorrhagiae to amoxycillin, erythromycin, lincomycin, tetracycline, oxytetracycline and minocycline. Broughton ES, et al.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1986 Jul; 261(4):425–31
Decreased lipopolysaccharide content and enhanced susceptibility of leptospiras to serum leptospiricidal action and phagocytosis after treatment with diphenylamine. Isogai E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Nov;262(4):438–47

GROWTH & DEVELOPMENT

Storage of pathogenic leptospires in liquid nitrogen. Palit A, et al. **J Appl Bacteriol** 1986 Nov;61(5):407–11

IMMUNOLOGY

Serological studies on leptospiral antibodies in dairy milkers in three regions of the South Island of New Zealand. Bettelheim KA, et al.
Comp Immunol Microbiol Infect Dis 1986;9(4):355–64
The development of a potency test for Leptospira hardjo vaccines: a comparison of protection in calves and serology in guinea-pigs. Goddard RD, et al. **J Biol Stand** 1986 Oct; 14(4):337–44
Serodiagnosis of human leptospirosis by counterimmunoelectrophoresis. Myers DM.
J Clin Microbiol 1987 May;25(5):897–9
Effect of heat or chemical treatment on leptospiral antigens. Pope V, et al. **J Clin Microbiol** 1987 Feb;25(2):255–8
Opsonic monoclonal antibodies against lipopolysaccharide antigens of Leptospira interrogans serovar hardjo. Farrelly HE, et al. **J Med Microbiol** 1987 Feb;23(1):1–7
A monoclonal antibody reacting with a determinant on leptospiral lipopolysaccharide protects guinea pigs against leptospirosis. Jost BH, et al. **J Med Microbiol** 1986 Nov; 22(3):269–75
Detection of leptospiral antigen in the human liver and kidney using an immunoperoxidase staining procedure. Ferreira Alves VA, et al. **J Pathol** 1987 Feb;151(2):125–31
Tears and aqueous humor from horses inoculated with Leptospira contain antibodies which bind to cornea. Parma AE, et al. **Vet Immunol Immunopathol** 1987 Feb;14(2):181–5
[Studies of the immunological protection of a ribosomal extract isolated from Leptospira] Xu LL, et al.
Hua Hsi I Ko Ta Hsueh Hsueh Pao 1987 Mar;18(1):14–7 (Eng. Abstr.) **(Chi)**
[SPA-ELISA in the detection of leptospiral antibodies in the sera of leptospirosis patients] Ye DN, et al.
Hua Hsi I Ko Ta Hsueh Hsueh Pao 1986 Mar;17(1):17–9 (Eng. Abstr.) **(Chi)**

ISOLATION & PURIFICATION

Isolation of leptospires from nephritic kidneys of beef cattle at slaughter. Grégoire N, et al. **Am J Vet Res** 1987 Mar; 48(3):370–1
Immunogold silver staining for visualization of leptospires in histologic sections. Skilbeck NW, et al.
J Clin Microbiol 1987 Jan;25(1):85–6
The isolation of Leptospira interrogans serovar pomona and related serological findings associated with a mixed farming unit in the Transvaal. De Lange JF, et al.
Onderstepoort J Vet Res 1987 Jun;54(2):119–21
Immunofluorescent staining of leptospires in pepsin treated histologic sections. Skilbeck NW. **Stain Technol** 1986 Sep; 61(5):273–8
Development of an improved selective medium for isolation of leptospires from clinical material. Adler B, et al.
Vet Microbiol 1986 Nov;12(4):377–81
Pathology of acute Leptospira interrogans serotype icterohaemorrhagiae infection in the Syrian hamster. van den Ingh TS, et al. **Vet Microbiol** 1986 Nov;12(4):367–76
The first isolation of Leptospira interrogans serogroup Ballum serovar castellonis in Chile. Riedemann S, et al.
Zentralbl Veterinarmed [B] 1986 Jun;33(5):393–4

PATHOGENICITY

[Experimental infection of Triatoma infestans (Hemiptera: Reduviidae) with Leptospira icterohaemorrhagiae and its transmission to laboratory mammals] Caballero A, et al.
Rev Latinoam Microbiol 1986 Oct–Dec;28(4):381–4 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

[Freeze-replica study on the attachment of leptospires to cells in vivo] Peng HR, et al.
Hua Hsi I Ko Ta Hsueh Hsueh Pao 1986 Dec;17(4):261–4 (Eng. Abstr.) **(Chi)**

LEPTOSPIROSIS

[Advances in the study of leptospirosis] Gu CH.
Chung Hua Nei Ko Tsa Chih 1986 Dec;25(12):766–8 (20 ref.) **(Chi)**
[Leptospirosis] Teodori T, et al. **G Clin Med** 1986 Jun; 67(3):159–64 (Eng. Abstr.) **(Ita)**

BLOOD

Pathogenesis and red blood cell destruction in haemoglobinaemic leptospirosis. Thompson JC, et al.
J Comp Pathol 1986 Sep;96(5):529–40

COMPLICATIONS

Acute renal failure in leptospirosis—a 12-year survey. Drinovec J, et al. **Adv Exp Med Biol** 1987;212:265–71
16 cases of acute renal failure due to leptospirosis. Tan DS, et al. **Med J Malaysia** 1986 Jun;41(2):152–5
Cardiac involvement in severe leptospirosis. Lee MG, et al.
West Indian Med J 1986 Dec;35(4):295–300
[Acute respiratory distress disclosing leptospirosis] Perdrix C, et al. **Ann Fr Anesth Reanim** 1986;5(6):599–600 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Comparison of the DIFCO and Patoc 1 slide antigens in the screening of leptospirosis. Wanyangu SW, et al.
Comp Immunol Microbiol Infect Dis 1987;10(2):155–61
ELISA for the detection of leptospirosis in Kenya. Terpstra WJ, et al. **East Afr Med J** 1987 Jan;64(1):49–54
A point-source epidemic of leptospirosis. Description of cases, cause, and prevention. Jevon TR, et al.
Postgrad Med 1986 Dec;80(8):121–2, 127–9
[Clinical aspects and pathomorphology of leptospirosis] Pupkevich-Diamant IaS, et al. **Klin Med (Mosk)** 1987 Apr; 65(4):102–8 (Eng. Abstr.) **(Rus)**
[Role of serodiagnosis in recognizing atypical forms of leptospirosis in Krasnodar Territory] Gol'denshtein ZA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Nov; (11):63–5 (Eng. Abstr.) **(Rus)**
[The use of direct immunoenzyme analysis with genus-specific peroxidase conjugate in leptospirosis] Volina EG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Dec; (12):72–5 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Recreational infections [letter] Maffei C, et al.
Infect Control 1987 Mar;8(3):90
[Etiological structure and clinical epidemiological characteristics of Leptospira infection in Rostov Province

based on data from therapeutic institutions from 1960 to 1983] Pupkevich-Diamant IaS, et al.
Zh Mikrobiol Epidemiol Immunobiol 1987 Apr;(4):40–4 (Eng. Abstr.) **(Rus)**

OCCURRENCE

A waterborne outbreak of leptospirosis. Cacciapuoti B, et al. **Am J Epidemiol** 1987 Sep;126(3):535–45
Data about human leptospirosis in Romania (1978–1984) obtained in the Cantacuzino Institute. Nicolescu M, et al. **Arch Roum Pathol Exp Microbiol** 1986 Apr–Jun; 45(2):109–15
Epidemiological studies on leptospirosis in Chiang Mai (Thailand). Arimitsu Y, et al. **Epidemiol Infect** 1987 Feb; 98(1):97–100
Prevalence of leptospirosis in man. Pilot survey. Cacciapuoti B, et al. **Eur J Epidemiol** 1987 Jun;3(2):137–42
Serosurvey on the presence of leptospiral agglutinins in humans in Northern Italy. Crevatin D, et al.
Eur J Epidemiol 1986 Mar;2(1):44–7
Leptospirosis in Hawaii: shifting trends in exposure, 1907–1984. Anderson BS, et al. **Int J Zoonoses** 1986 Jun; 13(2):76–88
Human leptospirosis in New South Wales, 1975–1985. Desmarchelier PM. **Med J Aust** 1987 Apr 6;146(7):353–7
The incidence of severe leptospirosis in Trinidad. Everard CO, et al. **Trop Geogr Med** 1987 Apr;39(2):126–32
Leptospirosis in rural Ghana: Part 2, Current leptospirosis. Hogerzeil HV, et al. **Trop Geogr Med** 1986 Dec; 38(4):408–14
[Human leptospirosis in New Caledonia and dependencies. Apropos of 57 cases observed between 1 June 1983 and 31 May 1985] Cointet F, et al.
Bull Soc Pathol Exot Filiales 1987;80(1):28–37 (Eng. Abstr.) **(Fre)**
[Surveillance of leptospirosis in Slovakia] Bakoss P, et al.
Bratisl Lek Listy 1987 Jun;87(6):696–709 (Eng. Abstr.) **(Slo)**

PATHOLOGY

[A case of Leptospirosis (pretibial fever)] Hanada K, et al.
Nippon Hifuka Gakkai Zasshi 1986 Jul;96(8):805–9 **(Jpn)**

PREVENTION & CONTROL

[Specialized services for leptospirosis patients] Kirichenko PL, et al. **Sov Med** 1987;(3):59–61 **(Rus)**

TRANSMISSION

Leptospirosis as an occupational disease. Waitkins SA.
Br J Ind Med 1986 Nov;43(11):721–5
Role of bandicoots in human leptospirosis in Madras City. An epidemiological approach. Ratnam S, et al.
Indian J Public Health 1986 Jul–Sep;30(3):167–9

VETERINARY

Isolation of leptospires from nephritic kidneys of beef cattle at slaughter. Grégoire N, et al. **Am J Vet Res** 1987 Mar; 48(3):370–1
Reproductive and leptospiral studies on beef cattle in central Queensland. Carroll AG, et al. **Aust Vet J** 1987 Jan; 64(1):1–5
Isolation of Leptospira hardjo from kidneys of Ontario cattle at slaughter. Prescott JF, et al. **Can J Vet Res** 1987 Apr; 51(2):229–31
Incidence of abortions caused by leptospirosis in sheep and goats in Spain. Leon-Vizcaino L, et al.
Comp Immunol Microbiol Infect Dis 1987;10(2):149–53
Immunodiagnosis of leptospiral uveitis in two horses. Davidson MG, et al. **Equine Vet J** 1987 Mar;19(2):155–7
Serological study of leptospiral infections and endogenous uveitis among horses and ponies in the United Kingdom. Matthews AG, et al. **Equine Vet J** 1987 Mar;19(2):125–8
To the knowledge of the common hamster (Cricetus cricetus Linné, 1758; Rodentia) as host of leptospirosis in Czechoslovakia. Sebek Z, et al. **Folia Parasitol (Praha)** 1987;34(2):97–105
Macroscopic plate agglutination results of serological examination of camels, cattle and goats for leptospirosis. Mathur KN, et al. **Indian J Public Health** 1986 Jul–Sep; 30(3):170–2
Leptospires in vervet monkeys (Cercopithecus aethiops Sabaeus) on Barbados. Baulu J, et al. **J Wildl Dis** 1987 Jan;23(1):60–6
Diseases of wapiti utilizing cattle range in southwestern Alberta. Kingscote BF, et al. **J Wildl Dis** 1987 Jan; 23(1):86–91
Leptospirosis as a cause of "white spot" kidneys in South African pig abattoirs. Hunter P, et al.
Onderstepoort J Vet Res 1987 Mar;54(1):59–62
Immunofluorescent staining of leptospires in pepsin treated histologic sections. Skilbeck NW. **Stain Technol** 1986 Sep; 61(5):273–8
Clinical, pathological and serological features of spontaneous canine leptospirosis. An evaluation of the IgM- and IgG-specific ELISA. Hartman EG, et al.
Vet Immunol Immunopathol 1986 Nov;13(3):261–71
Serological and bacteriological study of leptospiral infection in a cattle herd in Malaysia. Bahaman AR, et al.
Vet Rec 1986 Sep 27;119(13):325–6
A serological survey of leptospiral infection in horses in the Republic of Ireland. Egan J, et al. **Vet Rec** 1986 Sep 20; 119(12):306
The first isolation of Leptospira interrogans serogroup Ballum serovar castellonis in Chile. Riedemann S, et al. **Zentralbl Veterinarmed [B]** 1986 Jun;33(5):393–4
[Leptospirosis in West Germany. Results of a research program on leptospirosis in animals in the year 1984] Schönberg A, et al. **Zentralbl Veterinarmed [B]** 1987 Mar; 34(2):98–108 (Eng. Abstr.) **(Ger)**
[Morphology of a natural focus of Pomona leptospirosis in a steppe area] Fedorov EI, et al.
Zh Mikrobiol Epidemiol Immunobiol 1986 Aug;(8):32–5 (Eng. Abstr.) **(Rus)**
[Isolation of Leptospira in conventional animals, Mus musculus (albino variety) obtained from a traditional breeding center] García MJ, et al.
Rev Cubana Med Trop 1985 Sep–Dec;37(3):341–7 (Eng. Abstr.) **(Spa)**

LEPTOSPIROSIS, ICTEROHEMORRHAGIC see **WEIL'S DISEASE**

LEPTOTHRIX

METABOLISM

Characterization of extracellular Mn2+-oxidizing activity and isolation of an Mn2+-oxidizing protein from Leptothrix discophora SS-1. Adams LF, et al.
J Bacteriol 1987 Mar;169(3):1279–85
Manganese oxidation by Leptothrix discophora. Boogerd FC, et al. **J Bacteriol** 1987 Feb;169(2):489–94

LERGOTRILE MESYLATE see under **ERGOLINES**

LERICHE'S SYNDROME

ETIOLOGY

[A case of occlusion of the abdominal aorta (Leriche's Syndrome) associated with thrombocythemia] Lou YS, et al. **Nippon Naika Gakkai Zasshi** 1986 Dec;75(12):1843–4 **(Jpn)**

RADIOGRAPHY

[Spontaneous lysis of acute Leriche syndrome] Rauber K, et al. **Rontgenblatter** 1986 Oct;39(10):301–2 (Eng. Abstr.) **(Ger)**

SURGERY

Surgical treatment of occlusion of the infrarenal abdominal aorta. Experience with 55 patients. Ketonen P, et al.
Acta Chir Scand 1986 Nov;152:665–8

LESBIANISM see **HOMOSEXUALITY**

LESBIANISM, EGO-DYSTONIC see **HOMOSEXUALITY, EGO-DYSTONIC**

LESCH-NYHAN SYNDROME

see related
HYPOXANTHINE PHOSPHORIBOSYLTRANSFERASE
Lesch-Nyhan syndrome: report of two cases. Salman RA, et al. **J Oral Med** 1987 Jan–Mar;42(1):10–3, 66

CEREBROSPINAL FLUID

Purine and monoamine metabolites in cerebrospinal fluid. Edwards NL, et al. **Adv Exp Med Biol** 1986;195 Pt B:53–6

DIAGNOSIS

Preimplantation diagnosis of deficiency of hypoxanthine phosphoribosyl transferase in a mouse model for Lesch-Nyhan syndrome. Monk M, et al. **Lancet** 1987 Aug 22;2(8556):423–5
Long-term follow-up of ten patients with Lesch-Nyhan syndrome. Mizuno T. **Neuropediatrics** 1986 Aug; 17(3):158–61

DRUG THERAPY

Prevention of xanthine stone formation by augmented dose of allopurinol in the Lesch-Nyhan syndrome. Hiraishi K, et al. **Br J Urol** 1987 Apr;59(4):362–3

ENZYMOLOGY

Membrane-associated HPRTase activity in hyperuricemic and Lesch-Nyhan syndrome cells. Yip LC, et al.
Chin Med J [Engl] 1986 Nov;99(11):927–30
[Metabolic aspects of the pathogenesis of hyperuricemia] Gutensohn W. **Verh Dtsch Ges Inn Med** 1986;92:456–61 **(Ger)**

FAMILIAL & GENETIC

A case of severe hypoxanthine-guanine phosphoribosyl transferase deficiency. Zanić T, et al.
J Inherited Metab Dis 1985;8(2):79
Lesch-Nyhan syndrome. Engineering mutant mice [news] Hogan B. **Nature** 1987 Mar 19–25;326(6110):240–1
HPRT-deficient (Lesch-Nyhan) mouse embryos derived from germline colonization by cultured cells. Hooper M, et al. **Nature** 1987 Mar 19–25;326(6110):292–5
A potential animal model for Lesch-Nyhan syndrome through introduction of HPRT mutations into mice. Kuehn MR, et al. **Nature** 1987 Mar 19–25;326(6110):295–8
Identification and localization of mutations at the Lesch-Nyhan locus by ribonuclease A cleavage. Gibbs RA, et al. **Science** 1987 Apr 17;236(4799):303–5
HGPRT-deficiency—the molecular basis of the clinical syndromes. Kelley WN, et al. **Verh Dtsch Ges Inn Med** 1986;92:465–9

OCCURRENCE

Lesch-Nyhan syndrome in Japan. Miwa S, et al.
Jpn J Exp Med 1986 Dec;56(6):293–6

PATHOLOGY

[Cranial computerized tomography in incomplete Lesch-Nyhan syndrome] Holdeigel M. **Radiologe** 1987 Mar;27(3):127–9 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Neurobiology of D1 dopamine receptors after neonatal-6-OHDA treatment: relevance to Lesch-Nyhan disease. Breese GR, et al. **Adv Exp Med Biol** 1986; 204:197–215 (55 ref.)

LET see **ENERGY TRANSFER**

LETHAL DOSE 50

Interval estimation of the median lethal dose. Williams DA.
Biometrics 1986 Sep;42(3):641–5
The clinical relevance of the LD50 [letter] Garst JE.
Vet Hum Toxicol 1987 Apr;29(2):160
The clinical relevance of the LD50. Kaufmann SR, et al.
Vet Hum Toxicol 1987 Feb;29(1):39–41
[Prediction of LD50 values by cell culture] Halle W, et al.
Pharmazie 1987 Apr;42(4):245–8 (Eng. Abstr.) **(Ger)**

LETHAL MIDLINE GRANULOMA see **GRANULOMA, LETHAL MIDLINE**

LETHARGY see **SLEEP STAGES**

LETS PROTEINS see **FIBRONECTINS**

LETTERER-SIWE DISEASE

COMPLICATIONS

Giant cell pneumonia in Letterer-Siwe disease. Shimizu T, et al. **Acta Pathol Jpn** 1987 Mar;37(3):493–501

DIAGNOSIS

Histiocytosis X: overlapping form between Letterer-Siwe disease and Hand-Schüller-Christian disease with advanced thymic involvement and obstructive jaundice. Shuangshoti S, et al. **J Med Assoc Thai** 1987 Jun; 70(6):344–50
A child with Letterer Siwe disease. Widjaya J, et al.
Paediatr Indones 1986 Jul–Aug;26(7–8):161–4
[Histiocytosis X. 3 different cases: eosinophilic granuloma, Hand-Schueller-Christian disease, Abt-Letterer-Siwe disease] Gavioli F, et al.
Ann Osp Maria Vittoria Torino 1985 Jan–Jun;28(1–6):56–78 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

[Letterer-Siwe disease in half-brothers] Pribluda BA.
Arkh Patol 1986;48(11):73–6 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Immunohistochemical and ultrastructural studies on histiocytosis in children. Wakuya J. **Acta Pathol Jpn** 1987 Jun;37(6):901–13
Letterer-Siwe disease in an adult. Kuttner BJ, et al.
Cutis 1987 Feb;39(2):142–6
Ultrastructural study of Letterer-Siwe disease in three infants, one complicated by pneumocystosis. Chaudhry AP, et al. **J Oral Med** 1983 Apr–Jun;38(2):47–55
Lymphohistiocytosis in childhood. Pathologic comparison with fatal Letterer-Siwe disease (disseminated visceral histiocytosis X). Landing BH. **Perspect Pediatr Pathol** 1987; 9:48–74

RADIOGRAPHY

Thymic involvement in acute disseminated histiocytosis X. Fasanelli S, et al. **Rays** 1987 Jan–Apr;12(1):39–45

LEUCINE

Two-dimensional 1H NMR studies of histidine-containing protein from Escherichia coli. 2. Leucine resonance assignments by long-range coherence transfer. Klevit RE, et al. **Biochemistry** 1986 Nov 18;25(23):7770–3
Theoretical study of the packing of alpha-helices into possible transmembrane bundles. Sequences including alanines, leucines and serines. Furois-Corbin S, et al.

Biochim Biophys Acta 1987 Aug 7;902(1):31–45

Site-specific mutagenesis of the alpha subunit of tryptophan synthase from Salmonella typhimurium. Changing arginine 179 to leucine alters the reciprocal transmission of substrate-induced conformational changes between the alpha and beta 2 subunits. Kawasaki H, et al. **J Biol Chem** 1987 Aug 5;262(22):10678–83

ADMINISTRATION & DOSAGE

Leucine excess and niacin status in rats. Cook NE, et al. **J Nutr** 1987 Mar;117(3):519–26

ANALOGS & DERIVATIVES

Autodegradation of lysosomal cysteine proteinases. Kominami E, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):749–56

Bestatin treatment enhances the recovery of radiation induced impairments of the immunological reactivity of the blood lymphocyte population in bladder cancer patients. Blomgren H, et al. **Biomed Pharmacother** 1986; 40(2):50–4

Immunomodulating properties of bestatin in cancer patients. A phase II trial. Mathé G, et al. **Biomed Pharmacother** 1986; 40(10):379–82

Suppression of neurofilament degradation by protease inhibitors in experimental spinal cord injury. Iwasaki Y, et al. **Brain Res** 1987 Mar 17;406(1–2):99–104

Electroacupuncture and morphine analgesia potentiated by bestatin and thiorphan administered to the nucleus accumbens of the rabbit. Jin WQ, et al. **Brain Res** 1986 Aug 20;380(2):317–24

Adjuvant Bestatin immunotherapy in patients with transitional cell carcinoma of the bladder. Clinical results of a randomized trial. Blomgren H, et al. **Cancer Immunol Immunother** 1987;25(1):41–6

Immunotherapy with bestatin for acute nonlymphocytic leukemia in adults. Ota K, et al. **Cancer Immunol Immunother** 1986;23(1):5–10

Efficient synthetic method for ethyl (+)-(2S,3S)-3-[(S)-3-methyl-1-(3-methylbutylcarbamoyl)butylcarbamoyl]-2-oxiranecarb oxylate (EST), a new inhibitor of cysteine proteinases. Tamai M, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar;35(3):1098–104

Induction and inhibition of cathepsin B and hemoglobin-hydrolase activity in murine B16 melanoma by thiol protease inhibitors. Nakao H, et al. **Comp Biochem Physiol [B]** 1986;85(2):435–7

From experimental to clinical attempts in immunorestoration with bestatin and zinc. Mathé G, et al. **Comp Immunol Microbiol Infect Dis** 1986;9(2–3):241–52

Mode of action of bestatin and leupeptin to induce the accumulation of acid soluble peptides in rat liver in vivo and the properties of the accumulated peptides. The important role of bestatin- and leupeptin-sensitive proteases in the protein degradation pathway in vivo. Takahashi S, et al. **Int J Biochem** 1987;19(5):401–12

Enhancement of graft-versus-host reaction and delayed cutaneous hypersensitivity in mice by ubenimex. Abe F, et al. **J Antibiot (Tokyo)** 1986 Aug;39(8):1172–7

The effect of ubenimex on N-methyl-N'-nitro-N-nitrosoguanidine-induced stomach tumor in rats. Ebihara K, et al. **J Antibiot (Tokyo)** 1986 Jul;39(7):966–70

Antitumor cells found in tumor-bearing mice given ubenimex. Ishizuka M, et al. **J Antibiot (Tokyo)** 1987 May; 40(5):697–701

Enhancement of colony formation of mouse bone marrow cells by ubenimex. Nemoto K, et al. **J Antibiot (Tokyo)** 1987 Jun;40(6):894–8

Enhancement of interleukin 1 and interleukin 2 releases by ubenimex. Shibuya K, et al. **J Antibiot (Tokyo)** 1987 Mar; 40(3):363–9

Glutamine metabolism in rat hepatocytes. Stimulation by a nonmetabolizable analog of leucine. Zaleski J, et al. **J Biol Chem** 1986 Oct 25;261(30):14082–90

Direct separation of non-K-region mono-ol and diol enantiomers of phenanthrene, benz[a]anthracene, and chrysene by high-performance liquid chromatography with chiral stationary phases. Weems HB, et al. **J Chromatogr** 1986 Dec 26;371:211–25

Elution order-absolute configuration relationship of K-region dihydrodiol enantiomers of benz[a]anthracene derivatives in chiral stationary phase high-performance liquid chromatography. Yang SK, et al. **J Chromatogr** 1986 Dec 26;371:195–209

In vitro and in vivo inhibition of cysteine proteinases by EST, a new analog of E-64. Tamai M, et al. **J Pharmacobiodyn** 1986 Aug;9(8):672–7

Trial of a cysteine proteinase inhibitor, EST, in experimental chloroquine myopathy in rats. Sugita H, et al. **Muscle Nerve** 1987 Jul-Aug;10(6):516–23

Effects of bestatin on the central cardiovascular regulatory mechanisms in the rat. Chan JY, et al. **Regul Pept** 1987 Aug 3;18(2):75–84

[A new antitumor drug with immunomodulating activity, ubenimex (bestatin)] Tsukagoshi S. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2385–91 (Eng. Abstr.) **(Jpn)**

[Effect of a cysteine protease inhibitor EST on urinary 3-methylhistidine in dystrophic hamsters (BIO 14.6)] Terao T, et al. **Rinsho Shinkeigaku** 1986 Nov;26(11):1218–23 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Yeast LEU5 is a PET-like gene that is not essential for leucine biosynthesis. Drain P, et al. **MGG** 1986 Sep; 204(3):397–403

Cloning in Escherichia coli of genes involved in the synthesis of proline and leucine in Desulfovibrio desulfuricans Norway. Fons M, et al. **MGG** 1987 Jan;206(1):141–3

Structure of yeast regulatory gene LEU3 and evidence that LEU3 itself is under general amino acid control. Zhou K, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5261–73

BLOOD

Effect of intravenous insulin treatment on in vivo whole body leucine kinetics and oxygen consumption in insulin-deprived type I diabetic patients. Nair KS, et al. **Metabolism** 1987 May;36(5):491–5

Relationship between the dexamethasone suppression test and the L-tryptophan/competing amino acids ratio in depression. Maes M, et al. **Psychiatry Res** 1987 Aug; 21(4):323–35

Vitamin E deficiency in rabbits receiving a high PUFA diet with and without a non-absorbable antioxidant. II. Incorporation of 14C-labelled glycine and L-leucine into liver and plasma proteins. Diehl JF, et al. **Z Ernahrungswiss** 1986 Sep;25(3):180–8

[Metabolic study of the classic form of leucinosis during exchange transfusion therapy] Zeman J, et al. **Cesk Pediatr** 1987 Apr;42(4):219–22 (Eng. Abstr.) **(Cze)**

GENETICS

Transcription termination sites at the distal end of the leu operon of Salmonella typhimurium. Rosenthal ER, et al. **J Mol Biol** 1987 Apr 5;194(3):443–52

Transcription attenuation in Salmonella typhimurium: the significance of rare leucine codons in the leu leader. Carter PW, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(21):8127–31

METABOLISM

Incorporation of leucine by mouse synovial cells in vivo. Bjorenson JE, et al. **Acta Anat (Basel)** 1986;127(3):237–40

Somatostatin inhibits insulin-stimulated amino acid uptake into cultured rat myoblasts. Spencer GS, et al. **Acta Endocrinol (Copenh)** 1987 Apr;114(4):470–4

Branched-chain amino and keto acid metabolism in pancreatic islets. Malaisse WJ. **Adv Enzyme Regul** 1986; 25:203–17 (34 ref.)

alpha-Ketoisocaproate is superior to leucine in sparing glucose utilization in humans. Buckspan R, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):E648–53

Expression of amino acid and peptide transport systems in rat small intestine. Cheeseman CI. **Am J Physiol** 1986 Nov; 251(5 Pt 1):G636–41

Effect of fatty acid supplementation on thermotropic behavior of membrane lipids and leucine transport in Saccharomyces cerevisiae. Basu J, et al. **Arch Biochem Biophys** 1986 Nov 1;250(2):382–9

Stimulation of leucine transport by a phorbol ester through activation of protein kinase C and Na+/H+ exchanger. Mitsumoto Y, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):900–6

Sodium-independent synaptosomal uptake of leucine. Tan CH, et al. **Biochem Int** 1987 Jan;14(1):161–6

Evidence for a single common Na+-dependent transport system for alanine, glutamine, leucine and phenylalanine in brush-border membrane vesicles from bovine kidney. Lynch AM, et al. **Biochim Biophys Acta** 1987 May 29; 899(2):176–84

Leucine transport in relation to the activities of Na+-H+ antiporter and Na+/K+ pump stimulated by serum and a tumor promoter. Mitsumoto Y, et al. **Biochim Biophys Acta** 1986 Sep 25;861(1):187–93

Cell cycle-specific effects of sodium arsenite and hyperthermic exposure on incorporation of radioactive leucine and phosphate by stress proteins from mouse lymphoma cell nuclei. Pipkin JL, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):334–44

Increase of 14C-leucine uptake following stimulation of renal tubular transport processes. Ortweiler W, et al. **Biomed Biochim Acta** 1987;46(4):271–6

The effects of ethanol methotrexate and diphenylhydantoin on [14C] leucine incorporation by human trophoblast cells cultured in vitro. Landon MJ, et al. **Br J Obstet Gynaecol** 1987 Mar;94(3):252–5

Differences in the efficiency and pattern of incorporation of [3H]leucine and [3H]proline into proteins of adult cat brain. Elam JS, et al. **Brain Res** 1987 Jun 9;413(1):129–34

The incorporation of 3H (G) L-leucine into single muscle fibers in Duchenne dystrophy and Charcot-Marie Tooth disease. Monckton G, et al. **Can J Neurol Sci** 1979 Feb; 6(1):53–7

Altered leucine metabolism in noncachectic sarcoma patients. Inculet RI, et al. **Cancer Res** 1987 Sep 1;47(17):4746–9

Adaptation of intestinal sugar and amino acid transport to gastric hyperalimentation. Laganière S, et al. **Clin Invest Med** 1986;9(3):176–85

Leucine metabolism in type II diabetes mellitus. Staten MA, et al. **Diabetes** 1986 Nov;35(11):1249–53

Effect of vagal nerve stimulation on L-leucine absorption in the cat jejunum. el-Kak FH, et al. **Digestion** 1987; 36(2):61–7

Some precursors of glycogen in Ascaris suum females. Ryboš M, et al. **Folia Parasitol (Praha)** 1986;33(3):235–40

Leucine kinetics during three weeks at submaintenance-to-maintenance intakes of leucine in men: adaptation and accommodation. Young VR, et al. **Hum Nutr Clin Nutr** 1987 Jan;41(1):1–18

Ethanol and leucine oxidation--III. Leucine oxidation by rat heart in vitro. Bogoyevitch M, et al. **Int J Biochem** 1987; 19(2):173–7

Metabolism of leucine in fibroblasts with defects in the leucine catabolic pathway. Page T, et al. **Int J Biochem** 1987;19(8):713–6

Absorption, plasma flux and oxidation of L-leucine in heifers at two levels of intake. Hammond AC, et al. **J Anim Sci** 1987 Feb;64(2):420–5

Regional studies of blood-brain barrier transport of glucose and leucine in awake and anesthetized rats. LaManna JC, et al. **J Cereb Blood Flow Metab** 1986 Dec;6(6):717–23

Differential effects of hyperinsulinemia and hyperaminoacidemia on leucine-carbon metabolism in vivo. Evidence for distinct mechanisms in regulation of net amino acid deposition. Tessari P, et al. **J Clin Invest** 1987 Apr;79(4):1062–9

The blood-retinal barrier: leucine transport by the retinal pigment epithelium. Sellner PA. **J Neurosci** 1986 Oct; 6(10):2823–8

In vivo metabolism of leucine and alpha-ketoisocaproate in the pig: influence of dietary glucose or sucrose. Helland SJ, et al. **J Nutr** 1986 Oct;116(10):1902–9

Endogenous catabolism is the major source of toxic metabolites in isovaleric acidemia. Millington DS, et al. **J Pediatr** 1987 Jan;110(1):56–60

Endogenous catabolism as source of toxic metabolites in isovaleric acidemia [letter] Pollitt RJ. **J Pediatr** 1987 Sep; 111(3):477–8

Leucine and alpha-ketoisocaproate metabolism and interconversions in fed and fasted sheep. Pell JM, et al. **Metabolism** 1986 Nov;35(11):1005–16

Leucine disposal and oxidation rates in the fetal lamb. van Veen LC, et al. **Metabolism** 1987 Jan;36(1):48–53

Proabsorptive properties of forskolin: disposition of glycine, leucine and lysine in rat jejunum. Reymann A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Sep; 334(1):110–5

The proofreading of hydroxy analogues of leucine and isoleucine by leucyl-tRNA synthetases from E. coli and yeast. Englisch S, et al. **Nucleic Acids Res** 1986 Oct 10; 14(19):7529–39

Effect of insulin on leucine kinetics in maple syrup urine disease. Collins JE, et al. **Pediatr Res** 1987 Jan;21(1):10–3

Asymmetrical transfer of alpha-aminoisobutyric acid (AIB), leucine and lysine across the in vitro perfused human placenta. Schneider H, et al. **Placenta** 1987 Mar-Apr; 8(2):141–51

In vivo incorporation of [14C]leucine into brain protein of mice treated with methylmercury and thiol complexes of methylmercury. Fair PH, et al. **Toxicol Lett** 1987 May; 36(3):213–20

[Effect of carbohydrate administration on leucine oxidation in newborn infants. Studies using the 13C leucine breath test] Park W, et al. **Infusionsther Klin Ernahr** 1987 Apr; 14(2):66–70 (Eng. Abstr.) **(Ger)**

[Effect of different fixation methods and partial chemical sympathetic denervation on cell size and 3H-leucine incorporation by rat sympathetic neurocytes] Markov VN, et al. **Tsitologiia** 1987 Jan;29(1):54–8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Decreased uptake of glucose by human forearm during infusion of leucine, isoleucine, or threonine. Schwenk WF, et al. **Diabetes** 1987 Feb;36(2):199–204

Extrapancreatic effects of L-leucine infusion in leucine-sensitive and control subjects. Devlin JT, et al. **Metabolism** 1987 Jul;36(7):697–702

PHYSIOLOGY

Importance of a hydrophobic residue in binding and catalysis by dihydrofolate reductase. Mayer RJ, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7718–20

LEUCINE AMINOPEPTIDASE

ANTAGONISTS & INHIBITORS

Phosphorus amino acid analogues as inhibitors of leucine aminopeptidase. Giannousis PP, et al. **J Med Chem** 1987 Sep;30(9):1603–9

Inhibition of leucine aminopeptidase (LAP) activity in the small intestines of rats exposed to dietary cadmium. Phillpotts CJ, et al. **Toxicol Lett** 1986 Dec;34(2-3):271–5

BLOOD

"Leucine aminopeptidase" (neutral arylamidase) in sheep sera: improved resolution with gradient gel electrophoresis. Manwell C, et al. **Comp Biochem Physiol [B]** 1986; 84(4):601–5

Serum leucine aminopeptidase for monitoring viral infections

with plasmacytoid reaction. Pancheva-Haschen R, et al. **Enzyme** 1986;36(3):179-86

Activity of some hydrolases in mice with transplantable lymphatic leukemia P 388. Sobiech KA, et al. **Folia Histochem Cytobiol** 1987;25(1):61-4

[Liver function tests: analysis of biliary tract enzymes and serum secretory enzymes—ALP, gamma-GTP, LAP, and ChE] Fujisawa K. **Rinsho Byori** 1986 Jun;34 Spec No 67:42-50 **(Jpn)**

GENETICS

Electrophoretic polymorphism of erythrocyte leucine aminopeptidase in the wild boar, Sus scrofa. Randi E, et al. **Anim Genet** 1986;17(4):359-62

ISOLATION & PURIFICATION

Identification of the FTBL protein of Sumner and Dounce as a leucine aminopeptidase. Dounce AL, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):13-6

Peptidases in Drosophila melanogaster. I. Characterization of dipeptidase and leucine aminopeptidase activities. Hall NA. **Biochem Genet** 1986 Oct;24(9-10):775-93

[Isolation and various properties of leucine aminopeptidase from biological fluids of patients with multiple sclerosis] Khokhlov AP, et al. **Vopr Med Khim** 1987 Mar-Apr; 33(2):58-62 (Eng. Abstr.) **(Rus)**

METABOLISM

Effects of fish meal as source of protein on intestinal maltase activity and intestinal and renal leucine aminopeptidase activity of growing rats. Rebolledo E, et al. **Ann Nutr Metab** 1986;30(6):365-8

Antipili antibody affords protection against ascending pyelonephritis in rat: evaluated by renal brush border membrane enzymes. Garg UC, et al. **Biochem Int** 1987 Mar; 14(3):517-24

An improved spectrophotometric assay for leucine aminopeptidase. Beattie RE, et al. **Biochem J** 1987 Feb 15; 242(1):281-3

Leucine aminopeptidase and hatching of Schistosoma mansoni eggs. Xu YZ, et al. **J Parasitol** 1986 Aug; 72(4):507-11

Characterization of a neutral aminoacyl-peptide hydrolase from Naegleria fowleri. Marciano-Cabral F, et al. **J Protozool** 1987 May;34(2):146-9

[A peculiar form of osteodysplasia: cherubism. Apropos of 3 cases with histoenzymologic and ultrastructural studies] Chomette G, et al. **Arch Anat Cytol Pathol** 1987;35(2):69-75 (Eng. Abstr.) **(Fre)**

URINE

[Prospectives on the use of urinary enzymes in oncology and radiotherapy] Tomassone W, et al. **Minerva Urol Nefrol** 1986 Jul-Sep;38(3):279-84 (Eng. Abstr.) **(Ita)**

LEUCINE ENKEPHALIN see **ENKEPHALIN, LEUCINE**

LEUCOGENENOL see under **SPIRO COMPOUNDS**

LEUCOKININ see **TUFTSIN**

LEUCOMYCINS

Construction and characterization of a site-directed CC-1065-N3-adenine adduct within a 117 base pair DNA restriction fragment. Needham-VanDevanter DR, et al. **Biochemistry** 1986 Dec 30;25(26):8430-6

A circular dichroism study of the binding of CC-1065 to B and Z form poly(dI-5BrdC).poly(dI-5BrdC). Krueger WC, et al. **Chem Biol Interact** 1987;62(3):281-95

The binding of CC-1065 to thymidine and deoxyadenosine oligonucleotides and to poly(dA).poly(dT). Krueger WC, et al. **Chem Biol Interact** 1986 Jul-Aug;59(1):55-72

Syntheses of 23-C-alkylidene, and 23-N-containing derivatives of 5-O-mycaminosyltylonolide. Kajikawa N, et al. **J Antibiot (Tokyo)** 1987 Apr;40(4):476-82

Synthesis, antimicrobial evaluation and structure-activity relationships within 23-modified derivatives of 5-O-mycaminosyltylonolide. Kirst HA, et al. **J Antibiot (Tokyo)** 1987 Jun;40(6):823-42

Theoretical study of the sequence specificity in the covalent binding of the antitumor drug CC-1065 to DNA. Zakrzewska K, et al. **Nucleic Acids Res** 1987 Jul 24; 15(14):5775-85

Demonstration of the asymmetric effect of CC-1065 on local DNA structure using a site-directed adduct in a 117-base-pair fragment from M13mp1. Hurley LH, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6412-6

[Studies on macrolides and new antibiotics] Omura S. **Yakugaku Zasshi** 1986 Sep;106(9):729-57 (139 ref.) (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Effect of medicated feed on tracheal infection and population of Mycoplasma gallisepticum in chickens. Cummings TS, et al. **Avian Dis** 1986 Jul-Sep;30(3):580-4

Development of ocular inserts for cattle. Greer RT, et al. **Scanning Microsc** 1987 Jun;1(2):863-9

ADVERSE EFFECTS

Comparison of the side effects and gastrointestinal motility observed after administration of erythromycin and josamycin to dogs. Qin XY, et al. **J Antimicrob Chemother** 1986 Dec;18(6):747-56

[Jaundice probably caused by josamycin (letter)] Furet Y, et al. **Arch Fr Pediatr** 1987 Feb;44(2):146 **(Fre)**

[Pseudomembranous colitis and josamycin (letter)] Chaslin-Ferbus D, et al. **Gastroenterol Clin Biol** 1986 Jun-Jul;10(6-7):528 **(Fre)**

[Hepatitis during treatment with josamycin (letter)] Ponge A, et al. **Rev Med Interne** 1987 Jan-Feb;8(1):117 **(Fre)**

[Cholestasis during josamycin treatment] Sée A, et al. **Rev Med Interne** 1986 May;7(3):309-10 **(Fre)**

[Pseudomembranous colitis associated with josamycin therapy (letter)] Carlhant D, et al. **Therapie** 1987 Jan-Feb; 42(1):65 **(Fre)**

[Toxic skin reaction causing allergic vasculitis and spiramycin] Galland MC, et al. **Therapie** 1987 Mar-Apr; 42(2):227-9 **(Fre)**

ANALYSIS

Roxithromycin bioassay procedures for human plasma, urine and milk specimens [corrected and issued with original paging in Eur J Clin Microbiol 1986 Dec;5(6)] Barry AL, et al. **Eur J Clin Microbiol** 1986 Oct;5(5):536-40

[HPLC analysis of miokamycin and its principle impurities] Marini D, et al. **Boll Chim Farm** 1986 Jun;125(6):193-6 (Eng. Abstr.) **(Ita)**

BIOSYNTHESIS

Fatty acids and production of tylosin-like compounds in Streptomyces fradiae. Vančura A, et al. **J Basic Microbiol** 1987;27(3):167-71

The use of recombinant DNA techniques to study tylosin biosynthesis and resistance in Streptomyces fradiae. Cox KL, et al. **J Nat Prod** 1986 Nov-Dec;49(6):971-80

BLOOD

Pharmacokinetic profile of tylosin in mastitic cows. el-Sayed MG, et al. **DTW** 1986 Jul 23;93(7):326-8

[Effect of metabolites on the human plasma concentration as total activity after oral administration of rokitamycin. Comparison of three different bioassay methods] Morishita M, et al. **Jpn J Antibiot** 1987 Mar;40(3):553-60 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

Synthesis, antimicrobial evaluation and structure-activity relationships within 23-modified derivatives of 5-O-mycaminosyltylonolide. Kirst HA, et al. **J Antibiot (Tokyo)** 1987 Jun;40(6):823-42

Synthesis and antimicrobial evaluation of acyl derivatives of 16-membered macrolide antibiotics related to tylosin. Kirst HA, et al. **J Antibiot (Tokyo)** 1986 Aug;39(8):1108-22

Preparation and evaluation of 3,4''-ester derivatives of 16-membered macrolide antibiotics related to tylosin. Kirst HA, et al. **J Antibiot (Tokyo)** 1986 Dec;39(12):1724-35

Syntheses of 23-C-substituted derivatives of mycaminosyl tylonolide. Tsuchiya T, et al. **J Antibiot (Tokyo)** 1986 Jul; 39(7):1021-4

Syntheses and antimicrobial activities of 9-O-acyl derivatives of tylosin and demycarosyltylosin. Tsuzuki K, et al. **J Antibiot (Tokyo)** 1986 Dec;39(12):1784-7

IMMUNOLOGY

[Antigenicity study of rokitamycin] Nakano Y, et al. **Jpn J Antibiot** 1987 Mar;40(3):608-12 (Eng. Abstr.) **(Jpn)**

METABOLISM

Reaction of some macrolide antibiotics with the ribosome. Labeling of the binding site components. Tejedor F, et al. **Biochemistry** 1986 Nov 18;25(23):7725-31

Antibiotic disposition in experimental pneumonic pasteurellosis: gentamicin and tylosin. Burrows GE, et al. **Can J Vet Res** 1986 Apr;50(2):193-9

Antagonistic interactions of macrolides and synergimycins on bacterial ribosomes. Di Giambattista M, et al. **J Antimicrob Chemother** 1986 Sep;18(3):307-15

Kinetics of binding of macrolides, lincosamides, and synergimycins to ribosomes. Di Giambattista M, et al. **J Biol Chem** 1987 Jun 25;262(18):8591-7

[Absorption and distribution of rokitamycin in beagle dogs] Sakai A, et al. **Jpn J Antibiot** 1987 Mar;40(3):493-7 (Eng. Abstr.) **(Jpn)**

[Studies on the metabolic fate of 14C-rokitamycin. III. Transmigration to fetus or milk] Suzuki T, et al. **Jpn J Antibiot** 1987 Mar;40(3):531-8 (Eng. Abstr.) **(Jpn)**

[Studies on the metabolic fate of 14C-rokitamycin. I. Absorption, distribution, metabolism and excretion in rats] Suzuki T, et al. **Jpn J Antibiot** 1987 Mar;40(3):499-518 (Eng. Abstr.) **(Jpn)**

[Studies on the metabolic fate of 14C-rokitamycin. IV. Absorption, metabolism and excretion in dogs] Suzuki T, et al. **Jpn J Antibiot** 1987 Mar;40(3):539-52 (Eng. Abstr.) **(Jpn)**

[Studies on the metabolic fate of 14C-rokitamycin. II. Accumulation of radioactivity in rats after consecutive oral administration] Suzuki T, et al. **Jpn J Antibiot** 1987 Mar; 40(3):519-30 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Antitumor activity and biochemistry of novel analogs of the antibiotic, CC-1065. Wierenga W, et al. **Adv Enzyme Regul** 1986;25:141-55

In vitro activity of Ro 15-8074, Ro 19-5247, A-56268, and roxithromycin (RU 28965) against Neisseria gonorrhoeae and Chlamydia trachomatis. Bowie WR, et al. **Antimicrob Agents Chemother** 1987 Mar;31(3):470-2

Susceptibility of Campylobacter pyloridis to three macrolide antibiotics (erythromycin, roxithromycin [RU 28965], and CP 62,993) and rifampin. Czinn S, et al. **Antimicrob Agents Chemother** 1986 Aug;30(2):328-9

In vitro activities of U-63366, a spectinomycin analog; roxithromycin (RU 28965), a new macrolide antibiotic; and five quinolone derivatives against Haemophilus ducreyi. Sanson-Le Pors MJ, et al. **Antimicrob Agents Chemother** 1986 Sep;30(3):512-3

Antimicrobial activity of U-70138F (paldimycin), roxithromycin (RU 965), and ofloxacin (ORF 18489) against Chlamydia trachomatis in cell culture. Stamm WE, et al. **Antimicrob Agents Chemother** 1986 Nov;30(5):806-7

Josamycin and troleandomycin increase hepatic glutathione turnover in rats. Dore SP, et al. **Biochem Pharmacol** 1987 Aug 15;36(16):2691-3

Depletion of nicotinamide adenine dinucleotide in normal and xeroderma pigmentosum fibroblast cells by the antitumor drug CC-1065. Jacobson MK, et al. **Biochemistry** 1986 Oct 7;25(20):5929-32

In vitro susceptibility of Mycobacterium avium to a new macrolide (RU-28965). Casal M, et al. **Chemotherapy** 1987; 33(4):255-8

The in vitro activity of roxithromycin (RU 28965) compared with four oral antibiotics. Drabu YJ, et al. **Drugs Exp Clin Res** 1987;13(4):201-3

The effect of carbon dioxide on the in vitro activity of erythromycin and RU-28965 against anaerobic bacteria. Felmingham D, et al. **Drugs Exp Clin Res** 1987;13(4):195-9

Comparative in vitro activity of RU 28965 against Chlamydia trachomatis. Cevenini R, et al. **Eur J Clin Microbiol** 1986 Oct;5(5):598-600

Unpredictable influence of human serum on antimicrobial activity of erythromycin and three oxime ether macrolides [letter] Jones RN, et al. **Eur J Clin Microbiol** 1987 Feb; 6(1):81-2

Effect of josamycin on plasma cyclosporine levels [letter] Kreft-Jais C, et al. **Eur J Clin Pharmacol** 1987;32(3):327-8

Effect of miocamycin on theophylline kinetics in children. Principi N, et al. **Eur J Clin Pharmacol** 1987;31(6):701-4

Effects of josamycin on carbamazepine kinetics. Vinçon G, et al. **Eur J Clin Pharmacol** 1987;32(3):321-3

Cloning and nucleotide sequence of a carbomycin-resistance gene from Streptomyces thermotolerans. Epp JK, et al. **Gene** 1987;53(1):73-83

Influence of lasalocid and monensin plus tylosin on comparative feeding value of steam-flaked versus dry-rolled corn in diets for feedlot cattle. Zinn RA. **J Anim Sci** 1987 Jul;65(1):256-66

In vitro antibacterial properties of EL-870, a new semi-synthetic macrolide antibiotic. Ose EE. **J Antibiot (Tokyo)** 1987 Feb;40(2):190-4

In-vitro activity of erythromycin, roxithromycin and CP 62993 against common paediatric pathogens [letter] Aronoff SC, et al. **J Antimicrob Chemother** 1987 Feb; 19(2):275-6

The antimicrobial activity of A-56268 (TE-031) and roxithromycin (RU965) against Legionella using broth microdilution method [letter] Jones RN, et al. **J Antimicrob Chemother** 1987 Jun;19(6):841-2

Comparative in-vitro activity of cefodizime, cefpirome, carumonam and RU-28965 with other antimicrobials against anaerobes. Pascual A, et al. **J Antimicrob Chemother** 1987 May;19(5):701-3

The effect of ampicillin and tylosin on the faecal enterococci of healthy young chickens. Kaukas A, et al. **J Appl Bacteriol** 1987 May;62(5):441-7

Cloning and expression of a tylosin resistance gene from a tylosin-producing strain of Streptomyces fradiae. Birmingham VA, et al. **MGG** 1986 Sep;204(3):532-9

The comparative in vitro activity of spiramycin and erythromycin against Norwegian bacterial isolates. Dibb WL, et al. **NIPH Ann** 1986 Dec;9(2):61-3

[Chemotactic response of human polynuclear neutrophils after in vivo administration of spiramycin] Lombard JY, et al. **J Pharmacol** 1986 Jul-Sep;17(3):328-30 (Eng. Abstr.) **(Fre)**

[In vitro activity of roxithromycin, new semisynthetic macrolide against obligate anaerobes] Dubreuil L, et al. **Pathol Biol (Paris)** 1986 May;34(5):440-4 (Eng. Abstr.) **(Fre)**

[Comparative in vitro activity of a new macrolide RU 28965 and of erythromycin against Chlamydia trachomatis] Dutilh B, et al. **Pathol Biol (Paris)** 1986 May;34(5):445-7 (Eng. Abstr.) **(Fre)**

[Study of bactericidal effect of the spiramycin and minocycline on Mycoplasma pneumoniae] Renaudin H, et al. **Pathol Biol (Paris)** 1987 May;35(5):595-8 (Eng. Abstr.) **(Fre)**

[Absence of interaction between spiramycin and antipyrine (letter)] Descotes J, et al. **Presse Med** 1986 Jul 5-12;

15(27):1283 (Fre)
[Midecamycin acetate-susceptibility of clinical isolates from dental and oral surgical infections] Deguchi K, et al. **Jpn J Antibiot** 1986 Oct;39(10):2595-600 (Eng. Abstr.) (Jpn)

THERAPEUTIC USE

3-Acetyl-4"-isovaleryl tylosin for prevention of swine dysentery. Jacks TM, et al. **Am J Vet Res** 1986 Nov; 47(11):2325-8
Activity of roxithromycin (RU 28965), a macrolide, against Toxoplasma gondii infection in mice. Chan J, et al. **Antimicrob Agents Chemother** 1986 Aug;30(2):323-4
In vivo synergism of roxithromycin (RU 965) and interferon against Toxoplasma gondii. Hofflin JM, et al. **Antimicrob Agents Chemother** 1987 Feb;31(2):346-8
Roxithromycin (RU 965): effective therapy for experimental syphilis infection in rabbits. Lukehart SA, et al. **Antimicrob Agents Chemother** 1987 Feb;31(2):187-90
Prophylactic efficacy of 3-acetyl-4"-isovaleryl tylosin in a Mycoplasma gallisepticum-induced airsacculitis infection. Skelly BJ, et al. **Avian Dis** 1986 Jul-Sep;30(3):505-9
Roxithromycin (RU 28965) in the treatment of respiratory tract infections. Grassi C, et al. **Chemioterapia** 1987 Feb; 6(1):41-4
Effect of spiramycin therapy on human periodontal disease. Sznajder N, et al. **J Periodont Res** 1987 Jul;22(4):255-8
The efficacy and plasma disposition of chloramphenicol and spiramycin in tick-borne fever-infected dwarf goats. Anika SM, et al. **J Vet Pharmacol Ther** 1986 Dec;9(4):433-5
Penicillins and macrolides in the treatment of community-acquired respiratory tract infections. Kernbaum S. **Pediatr Infect Dis J** 1987 Mar;6(3):328-31 (5 ref.)
Experimental intramuscular inoculation of tylosin in the elimination of ureaplasmas from ewes. Ball HJ, et al. **Vet Rec** 1987 Jun 6;120(23):557-8
[Treatment of toxoplasmic seroconversions, absolute protection of the fetus?] Urvoy M, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:20-3 (Fre)
[Bronchial superinfection. Clinical trial of clavulanic acid-amoxicillin against josamycin] Gaillat J, et al. **Pathol Biol (Paris)** 1987 May;35(5):634-7 (Eng. Abstr.) (Fre)
[Antibioprophylaxis of Meningococcus group B meningitis. Must we implicate the use of the spiramycin] Garre M, et al. **Pathol Biol (Paris)** 1987 May;35(5):624-5 (Eng. Abstr.) (Fre)
[Curative activity of spiramycin adipate by parenteral route in experimental septicemia in mice. Comparison with orally administered basic spiramycin] Rolin O, et al. **Pathol Biol (Paris)** 1986 May;34(5):476-8 (Eng. Abstr.) (Fre)
[Roxithromycin (RU 28965), a new macrolide effective against pulmonary infections] Lachat JM, et al. **Schweiz Med Wochenschr** 1986 Dec 6;116(49):1739-41 (Eng. Abstr.) (Fre)
[Use of miocamycin in the acute exacerbation of chronic obstructive bronchopneumopathy. Case material contribution] Miravalle C, et al. **Minerva Med** 1987 May 15;78(9):623-6 (Eng. Abstr.) (Ita)

TOXICITY

[Reproduction study of rokitamycin. Teratological study in rabbits] Kitajima S, et al. **Jpn J Antibiot** 1987 Mar; 40(3):602-7 (Eng. Abstr.) (Jpn)
[Comparative toxicity study of rokitamycin and josamycin in rats] Miura M, et al. **Jpn J Antibiot** 1987 Mar; 40(3):588-601 (Eng. Abstr.) (Jpn)
[Chronic toxicity and recovery tests of rokitamycin in beagle dogs] Nagata R, et al. **Jpn J Antibiot** 1987 Mar;40(3):561-87 (Eng. Abstr.) (Jpn)

LEUCONOSTOC

ENZYMOLOGY

Immobilization of the bacterium Leuconostoc mesenteroides with NADH-oxidase function in matrix-supported microcapsules for continuous cofactor regeneration. Ergan F, et al. **Ann NY Acad Sci** 1987;501:372-6
Transfer reaction of glucosyl residues to maltose and purified oligosaccharides using highly active Leuconostoc mesenteroides NRRL B-512F dextransucrase. Oriol E, et al. **Ann NY Acad Sci** 1987;501:210-5
Sequence identity between a lysine-containing peptide from Leuconostoc mesenteroides glucose-6-phosphate dehydrogenase and an active site peptide from human erythrocyte glucose-6-phosphate dehydrogenase. Bhadbhade MM, et al. **FEBS Lett** 1987 Jan 26;211(2):243-6
Expression of the gene for NAD-dependent glucose-6-phosphate dehydrogenase from Leuconostoc mesenteroides cloned in Escherichia coli K-12. Murphy NB, et al. **J Bacteriol** 1987 Jan;169(1):334-9
Electrophoretic analysis of the multiple forms of dextransucrase from Leuconostoc mesenteroides. Kobayashi M, et al. **J Biochem (Tokyo)** 1986 Sep; 100(3):615-21
Modification of glucose-6-phosphate dehydrogenase from Leuconostoc mesenteroides with the 2',3'-dialdehyde derivative of NADP+ (oNADP+). White BJ, et al. **J Biol Chem** 1987 Jan 25;262(3):1223-9
[Turnover of dextransucrase in Leuconostoc mesenteroides SF4 bacteria] Komov VP, et al. **Mol Gen Mikrobiol Virusol** 1986 May;(5):26-31 (Rus)

GENETICS

Conjugal transfer of nisin plasmid genes from Streptococcus lactis 7962 to Leuconostoc dextranicum 181. Tsai HJ, et al. **Appl Environ Microbiol** 1987 Feb;53(2):352-7
Plasmids in Leuconostoc oenos. Janse BJ, et al. **Plasmid** 1987 Mar;17(2):173-5

LEUCOTOMY see **PSYCHOSURGERY**

LEUCOVORIN see **CITROVORUM FACTOR**

LEUCYL-BETA-NAPHTHYLAMIDASE see under **LEUCINE AMINOPEPTIDASE**

LEUCYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

LEUKAPHERESIS

Plasma exchange and leukapheresis in psoriasis--no effect? Liedén G, et al. **Arch Dermatol Res** 1986;278(6):437-40
Leukapheresis in CLL [letter] Romagnoli M, et al. **Haematologica (Pavia)** 1987 Jan-Feb;72(1):101-2
Leukocytapheresis in inclusion body myositis. Dau PC. **J Clin Apheresis** 1987;3(3):167-70
Twenty-four hour lung preservation by hypothermia and leukocyte depletion. Breda MA, et al. **J Heart Transplant** 1985 May;4(3):325-9
Effects of cytapheresis on cell cycle distribution of peripheral blood and bone marrow cells in some hematological malignancies. Kotelnikov VM, et al. **Leuk Res** 1987; 11(4):397-403
Preparation of leukocyte-depleted red cells [letter] Gray E, et al. **Transfusion** 1987 Mar-Apr;27(2):213
White cell fragmentation after therapeutic leukapheresis for acute leukemia. Van Rybroek JJ, et al. **Transfusion** 1987 Jul-Aug;27(4):353-5
[Effect of repeated leukaphereses on the lymphocytogram of blood donors] Laser J, et al. **Infusionsther Klin Ernahr** 1987 Apr;14 Suppl 2:23-6 (Eng. Abstr.) (Ger)
[Lymphocyto-plasmapheresis for relapsing multiple sclerosis] Jyoichi T, et al. **Rinsho Shinkeigaku** 1986 Sep;26(9):907-9 (Eng. Abstr.) (Jpn)
[Immunological aspects of using plasmapheresis, leukocytapheresis and lymphocytoplasmapheresis in treating nonspecific aortoarteritis] Vedernikov AIu, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1987;10(1):29-33 (Eng. Abstr.) (Rus)
[Comparative evaluation of the effectiveness of plasmapheresis and lymphocytoplasmapheresis in the combined treatment of rheumatoid arthritis] Mikhailova NA, et al. **Ter Arkh** 1986;58(8):105-11 (Eng. Abstr.) (Rus)

INSTRUMENTATION

[Preparation of leukocyte and thrombocyte concentrates using the Haemonetics model 30 blood cell separator] Fehérvízyová E, et al. **Vnitr Lek** 1986 Aug;32(8):784-9 (Eng. Abstr.) (Slo)

METHODS

The mechanism of removal of leukocytes by cellulose columns. Beutler E, et al. **Blood Cells** 1986;12(1):57-64
The preparation of leukocyte-poor red cells from AS-1 red cells by the spin-cool-filter method. Helton MR, et al. **Transfusion** 1987 May-Jun;27(3):279-80
Use of modified fluid gelatin for centrifugal leukapheresis [letter] Lefrançois G. **Transfusion** 1987 Jan-Feb;27(1):112-3
Leukocyte depletion of red cell units at the bedside by transfusion through a new filter. Sirchia G, et al. **Transfusion** 1987 Sep-Oct;27(5):402-5

LEUKEMIA

Acute leukaemia. **Clin Haematol** 1986 Aug;15(3):567-908
The acute leukaemias. Kitonyi GW. **East Afr Med J** 1986 Nov;63(11):756-61 (21 ref.)
Leukemias in Guinea savanna area of north of Nigeria. Kulkarni AG. **East Afr Med J** 1986 Oct;63(10):660-5
Abstracts. Sixteenth annual meeting: International Society for Experimental Hematology. 23-27 August 1987, Tokyo, Japan. **Exp Hematol** 1987 Jun;15(5):429-629
16th annual UCLA symposium. Abstracts: Recent advances in leukemia and lymphoma. **J Cell Biochem [Suppl]** 1987; 11A:174-238
Leukemia. II. **Semin Hematol** 1986 Oct;23(4):237-317

BLOOD

Coagulation testing of Hickman catheter blood in patients with acute leukemia. Barton JC, et al. **Arch Intern Med** 1986 Nov;146(11):2165-9
Plasma cyclic nucleotide levels in acute leukemia patients. Peracchi M, et al. **Blood** 1987 Jun;69(6):1613-6
Flow cytochemical patterns of white blood cells in human haematopoietic malignancies. I. Acute leukaemias. Drewinko B, et al. **Br J Haematol** 1987 May;66(1):27-36
Decreased serum 1 alpha,25-dihydroxyvitamin D3 levels in leukemia [letter] Wong P, et al. **Br J Haematol** 1986 Dec; 64(4):844-6
Healthy HTLV-I carriers in Japan: the haematological and immunological characteristics. Yasuda K, et al. **Br J Haematol** 1986 Sep;64(1):195-203
Xanthine interference in the Kodak "Ektachem" determination of uric acid. Potter JL. **Clin Chem** 1987 Jul;33(7):1265
Plasma lactoferrin levels in leukaemias. Német K, et al. **Clin Lab Haematol** 1987;9(2):137-45
Stimulatory effects of plasma from patients with acute nonlymphoblastic leukemia on early erythroid progenitors and pluripotent stem cells. Kobari L, et al. **Exp Hematol** 1987 Sep;15(8):838-44
Serum zinc and copper as prognostic factors in acute nonlymphocytic leukemia. Beguin Y, et al. **Hematol Bluttransfus** 1987;30:380-4
Follicular mantle zone cell subpopulations detected by monoclonal antibody SN3. Barcos M, et al. **Hematol Oncol** 1986 Oct-Dec;4(4):251-9
Hyperferremia in immunosuppressed patients with acute nonlymphocytic leukemia and the risk of infection. Gordeuk VR, et al. **J Lab Clin Med** 1986 Nov; 108(5):466-72
Detection of a multidrug resistant phenotype in acute non-lymphoblastic leukaemia. Ma DD, et al. **Lancet** 1987 Jan 17;1(8525):135-7
Effects of cytapheresis on cell cycle distribution of peripheral blood and bone marrow cells in some hematological malignancies. Kotelnikov VM, et al. **Leuk Res** 1987; 11(4):397-403
Residual leukemia cannot be detected in very early remission peripheral blood stem cell collections in acute non-lymphoblastic leukemia. To LB, et al. **Leuk Res** 1987; 11(4):327-9
The p75 peptide is the receptor for interleukin 2 expressed on large granular lymphocytes and is responsible for the interleukin 2 activation of these cells. Tsudo M, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5394-8
The Wellcome Foundation lecture, 1986. The molecular regulators of normal and leukaemic blood cells. Sachs L. **Proc R Soc Lond [Biol]** 1987 Aug 21;231(1264):289-312 (131 ref.)
Motility and oxidative metabolism of normal polymorphonuclear leukocytes in acute non-lymphoid leukemia in complete remission. Bottari V, et al. **Ric Clin Lab** 1987 Jan-Mar;17(1):41-6
Loss of blood group A in acute leukemia. Morphologic and biochemical studies of red cells. Atkinson JB, et al. **Transfusion** 1987 Jan-Feb;27(1):45-8
[Levels of ferritin in the serum in various disorders of hematopoiesis] Cermák J, et al. **Vnitr Lek** 1986 Sep; 32(9):836-44 (Eng. Abstr.) (Cze)
[Collection of circulating stem cells during remission after chemotherapy in acute leukemia] Debecker A, et al. **Nouv Rev Fr Hematol** 1986;28(5):287-92 (Eng. Abstr.) (Fre)
[Collection and freezing of blood stem cells in acute nonlymphoblastic leukemia] Reiffers J, et al. **Rev Fr Transfus Immunohematol** 1986 Jun;29(3):193-203 (Eng. Abstr.) (Fre)
[Serum ferritin levels in patients with hemolymphopathies and solid neoplasms in an advanced phase: a comparison with healthy subjects and liver cirrhosis patients] Antoniazzi V. **Minerva Med** 1986 Dec 15; 77(47-48):2235-41 (Eng. Abstr.) (Ita)
[Leukemic cell kill kinetics in bone marrow] Ohmoto E, et al. **Rinsho Ketsueki** 1986 Sep;27(9):1590-5 (Eng. Abstr.) (Jpn)
[Cyclic nucleotides and prostaglandins E in the supernatant of cell cultures of myeloblastic, myelocytic and lymphocytic leukemias] Kiersnowska-Rogowska B, et al. **Pol Tyg Lek** 1987 Apr 27;42(17):500-2 (Pol)
[Changes in the parameters of the superfine structure of Mössbauer spectra of oxyhemoglobin in leukemia] Oshtrakh MI, et al. **Biofizika** 1987 Mar-Apr;32(2):197-202 (Eng. Abstr.) (Rus)
[Effect of purine nucleosides on human leukocytes in normal conditions and in leukemias] Filanovskaia LI, et al. **Eksp Onkol** 1987;9(3):39-43 (Eng. Abstr.) (Rus)
[Determination of platelet factor 4 in blood plasma] Blagosklonnyĭ MV, et al. **Lab Delo** 1987;(5):360-3 (Eng. Abstr.) (Rus)
[Effect of the blood sera of patients with different pathologies on normal and leukemic cells--the precursors of granulo- and monocytopoiesis] Balashova VA, et al. **Ter Arkh** 1986; 58(12):93-6 (Eng. Abstr.) (Rus)
[Activation of fibrinolysis in acute leukemia] Rozanova LS, et al. **Ter Arkh** 1987;59(6):64-5 (Eng. Abstr.) (Rus)
[Changes in hemostasis in leukemia] Filová A, et al. **Vnitr Lek** 1986 Aug;32(8):739-44 (Eng. Abstr.) (Slo)
[Levels of serum ferritin in malignant hemopathies] Camps C, et al. **Med Clin (Barc)** 1986 Nov 1;87(14):578-81 (Eng. Abstr.) (Spa)

CEREBROSPINAL FLUID

Elevation of cerebrospinal fluid sialic acid concentration in children with central nervous system leukemia. Asami T, et al. **Acta Paediatr Scand** 1987 Mar;76(2):260-5
Beta 2-microglobulin, lysozyme and lactoferrin in cerebrospinal fluid in patients with lymphoma or leukaemia:

relationship to CNS involvement and the effect of prophylactic intrathecal treatment with methotrexate. Oberg G, et al. **Br J Haematol** 1987 Jul;66(3):315–22

Significance of cerebrospinal fluid ferritin estimation in central nervous system leukemia. Wang ST, et al. **Chin Med J [Engl]** 1987 Mar;100(3):208–10

Spinal fluid procoagulant activity in leukaemic patients treated with intrathecal methotrexate. Pagano L, et al. **Haematologia (Budap)** 1987;20(1):41–7

Cerebrospinal fluid beta-2-microglobulin: a reliable index of leukaemic infiltration of central nervous system. Storti S, et al. **Scand J Haematol** 1986 Oct;37(4):301–5

[Potential for the cytochemical study of CSF smears in the determination of neuroleukemia variants] Berliner GB, et al. **Ter Arkh** 1986;58(9):71–2 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Acute non-lymphocytic leukemia (ANLL) following treatment with dacarbazine for malignant melanoma. Carey RW, et al. **Am J Hematol** 1987 May;25(1):119–21

Benzene toxicity: studying a subject to death. Infante PF. **Am J Ind Med** 1987;11(5):599–604 (27 ref.)

Benzene and leukemia [letter] Landrigan PJ. **Am J Ind Med** 1987;11(5):605–6

Benzene: evaluation of control measures not competitive with basic research requirements [letter] Mehlman MA. **Am J Ind Med** 1987;11(5):604

Risk of leukaemia in ovarian tumour and breast cancer patients following treatment by cyclophosphamide. Haas JF, et al. **Br J Cancer** 1987 Feb;55(2):213–8

Leukaemia in benzene workers: a retrospective cohort study. Yin SN, et al. **Br J Ind Med** 1987 Feb;44(2):124–8

Increased risk of developing acute leukemia after employment as a painter. Lindquist R, et al. **Cancer** 1987 Sep 15;60(6):1378–84

The relationship between sister chromatid exchange induction and leukemogenicity of different cytostatics. Raposa T, et al. **Cancer Detect Prev** 1987;10(1-2):141–51

Secondary myelodysplastic syndromes and leukaemias. Levine EG, et al. **Clin Haematol** 1986 Nov;15(4):1037–80 (155 ref.)

Acute leukaemia following cisplatin for ovarian cancer [letter] Pogliani EM, et al. **Haematologica (Pavia)** 1987 Mar-Apr;72(2):184–5

Treatment-related leukemia in Hodgkin's disease: a multi-institution study on 75 cases. Brusamolino E, et al. **Hematol Oncol** 1987 Apr-Jun;5(2):83–98

A case-control study of leukaemia as a second primary malignancy following ovarian and breast neoplasms. Mehnert WH, et al. **IARC Sci Publ** 1986;(78):203–21

Carcinogenicity of nitrosoureas in humans. Preussmann R. **IARC Sci Publ** 1986;(78):223–9

A case-control study of leukemia at an oil refinery. Austin H, et al. **J Occup Med** 1986 Nov;28(11):1169–73

Ethylene oxide and leukemia [letter] Hertz-Picciotto I, et al. **JAMA** 1987 May 1;257(17):2290

Leukemia after therapy with alkylating agents for childhood cancer. Tucker MA, et al. **JNCI** 1987 Mar;78(3):459–64

Decreasing risk of leukaemia during prolonged follow-up after mitobronitol therapy for polycythaemia vera [letter] Kelemen E, et al. **Lancet** 1987 Sep 12;2(8559):625

Risk of therapy-related leukaemia and preleukaemia after Hodgkin's disease. Relation to age, cumulative dose of alkylating agents, and time from chemotherapy. Pedersen-Bjergaard J, et al. **Lancet** 1987 Jul 11; 2(8550):83–8

The incidence of long-term side effects--in particular induced leukemias following treatment for Hodgkin's disease. De Renzis C, et al. **Rays** 1986 May-Aug; 11(2):109–13

Woburn case may spark explosion of lawsuits [news] Marshall E. **Science** 1986 Oct 24;234(4775):418–20

Quantitative risk aspects of the "Woburn case" [letter]Smith MT. **Science** 1987 Jan 9;235(4785):144–5

Chemical leukemogenesis: benzene as a model. Cronkite EP. **Semin Hematol** 1987 Jan;24(1):2–11 (72 ref.)

Occupational leukemia. Landrigan PJ. **State Art Rev Occup Med** 1987 Jan-Mar;2(1):179–88 (67 ref.)

[Development of second tumors in patients with Hodgkin's disease (review of the literature and personal data)] Kanaev SV, et al. **Vopr Onkol** 1987;33(5):11–8 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

CD-15 antigen detected by the VIM-D5 monoclonal antibody for prediction of ability to achieve complete remission in acute nonlymphocytic leukemia. Hołowiecki J, et al. **Acta Haematol (Basel)** 1986;76(1):16–9

The contribution of cytochemistry and immunophenotyping to the reproducibility of the FAB classification in acute leukemia. Browman GP, et al. **Blood** 1986 Oct;68(4):900–5

Biphenotypic leukemia in childhood: presentation of five cases. Reifenhäuser A, et al. **Hamatol Bluttransfus** 1987; 30:413–7

Application of a bcr-specific probe in the classification of human leukaemia. Boehm TL, et al. **J Cancer Res Clin Oncol** 1987;113(3):267–72

Conversion of acute undifferentiated leukemia phenotypes: analysis of clonal development. Raghavachar A, et al. **Leuk Res** 1986;10(11):1293–9

Recent advances in the immunologic classification of leukemia. Foon KA, et al. **Semin Hematol** 1986 Oct; 23(4):257–83 (334 ref.)

Procoagulant cellular activity (PCA) in the classification of acute leukemia. Guarini A, et al. **Thromb Res** 1987 Mar 1;45(5):545–52

[Use of the phorbol ester differentiation test in the classification of acute leukemia] Yan WW, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Mar;26(3):158–61, 190 (Eng. Abstr.) **(Chi)**

[Value of subclassifications of acute leukemias and myelodysplastic syndromes] Flandrin G, et al. **Presse Med** 1987 May 16;16(18):876–8 **(Fre)**

[Evaluation of the FAB classification of acute leukemia] Takada K, et al. **Rinsho Byori** 1987 Feb;35(2):111–6 (16 ref.) **(Jpn)**

[Cytogenetic study of the significance of the FAB classification in acute leukemia] Miura I. **Rinsho Ketsueki** 1986 Aug;27(8):1323–31 (Eng. Abstr.) **(Jpn)**

[Does the exclusion of unfavorable prognostic groups affect the therapeutic response in acute nonlymphocytic leukemia? (letter)] García Zueco JC, et al. **Sangre (Barc)** 1986;31(5):601–2 **(Spa)**

[Prognostic value of the FAB classification in acute nonlymphocytic leukemia (letter)] Sanz MA, et al. **Sangre (Barc)** 1986;31(5):602–3 **(Spa)**

[Reproducibility of the FAB classification and prognostic value of the principle cytologic characteristics in 147 cases of acute non-lymphoblastic leukemia] Sierra J, et al. **Sangre (Barc)** 1986;31(4):457–66 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Isolated leukemia cutis--a case report. Haubenstock A, et al. **Am J Hematol** 1987 Apr;24(4):437–9

Acute nonlymphoblastic leukemia in the first of three siblings affected with Fanconi's syndrome. Ahuja HG, et al. **Am J Pediatr Hematol Oncol** 1986 Winter;8(4):347–9

Infection prophylaxis in acute leukemia: a comparison of ciprofloxacin with trimethoprim-sulfamethoxazole and colistin. Dekker AW, et al. **Ann Intern Med** 1987 Jan; 106(1):7–11

The new fluorinated quinolones for infection prevention in acute leukemia [editorial] Young LS. **Ann Intern Med** 1987 Jan;106(1):144–6

The impact of leukemia status at the time of HLA-identical sibling marrow transplantation on subsequent complication rate and survival of adults with acute leukemia. Atkinson K, et al. **Aust NZ J Med** 1986 Aug;16(4):462–9

The intraventricular reservoir in the treatment of neurological disease secondary to hematological malignancy: an eight year experience. Young GA, et al. **Aust NZ J Med** 1986 Jun;16(3):373–7

Peptic ulceration in leukaemia. Scott B, et al. **Aust Paediatr J** 1987 Apr;23(2):115–6

Anorectal and perianal complications of hematologic malignant neoplasms. Musa MB, et al. **Can J Surg** 1975 Nov;18(6):579–83

Down's syndrome and leukemia: epidemiology, genetics, cytogenetics and mechanisms of leukemogenesis. Fong CT, et al. **Cancer Genet Cytogenet** 1987 Sep;28(1):55–76 (155 ref.)

Unusual association of bone marrow necrosis, disseminated intravascular coagulation, and a rare 8;16 chromosomal translocation in an adult patient with acute nonlymphocytic leukemia. Ritter HL Jr, et al. **Cancer Genet Cytogenet** 1987 Feb;24(2):243–50

Rectal infections in acute leukemia. Yeomans AC. **Cancer Nurs** 1986 Dec;9(6):295–300

Treatment of infections during hematologic malignancies with aztreonam, a new antibiotic. Rizzo SC, et al. **Chemioterapia** 1986 Dec;5(6):400–3

Invasive pulmonary aspergillosis in acute leukemia. The contribution of CT to early diagnosis and aggressive management. Kuhlman JE, et al. **Chest** 1987 Jul;92(1):95–9

The therapeutic use of peritoneal macrophages in infected leukaemic patients. Fakhri O, et al. **Eur J Cancer Clin Oncol** 1987 Jan;23(1):13–8

Drug-induced skin reactions in patients with acute non-lymphocytic leukaemia. Verhagen C, et al. **Eur J Haematol** 1987 Mar;38(3):225–30

Defunctioning colostomy for perianal sepsis in acute leukaemia. Baglin TP, et al. **Eur J Surg Oncol** 1987 Aug; 13(4):359–60

Ketoconazole for prevention of fungal infections in neutropenic leukemia patients [letter] Capnist G, et al. **Haematologica (Pavia)** 1987 Mar-Apr;72(2):185

Pulmonary aspergillosis complicating aplastic phase in hematologic patients. Capnist G, et al. **Haematologica (Pavia)** 1986 May-Jun;71(3):201–4

Increased awareness of aspergillosis in acute leukemia patients. Höffken G, et al. **Hamatol Bluttransfus** 1987; 30:535–7

Prevention of infection in patients with acute nonlymphocytic leukemia by several drug treatment regimens. Verhoef J, et al. **Hamatol Bluttransfus** 1987; 30:188–93

Infection prevention and immediate antibiotic therapy in the neutropenic patient. Wendt F, et al. **Hamatol Bluttransfus** 1987;30:175–81

Construction activity: an independent risk factor for invasive aspergillosis and zygomycosis in patients with hematologic malignancy. Weems JJ Jr, et al. **Infect Control** 1987 Feb; 8(2):71–5

Prospective study on humoral immune response induced by fungal infection in patients with hematologic malignancies. Kostiala I, et al. **Infection** 1986 Nov-Dec;14(6):255–60

Oral herpes simplex infections in patients with leukemia. Greenberg MS, et al. **J Am Dent Assoc** 1987 Apr; 114(4):483–6

Preliminary evaluation of ciprofloxacin, a new 4-quinolone antibiotic, in the treatment of febrile neutropenic patients. Smith GM, et al. **J Antimicrob Chemother** 1986 Nov;18 Suppl D:165–74

Study of retinal changes in leukaemia. Dwivedi PC, et al. **J Indian Med Assoc** 1986 Feb;84(2):35–7

A comparative study of herpes simplex infections in renal transplant and leukemic patients. Greenberg MS, et al. **J Infect Dis** 1987 Aug;156(2):280–7

Serodiagnosis of invasive aspergillosis in patients with hematologic malignancy: validation of the Aspergillus fumigatus antigen radioimmunoassay. Talbot GH, et al. **J Infect Dis** 1987 Jan;155(1):12–27

Therapeutic modalities for central nervous system involvement by granulocytic sarcoma (chloroma) in children with acute nonlymphocytic leukemia. Takaue Y, et al. **J Neurooncol** 1987;4(4):371–81

Urolithiasis in childhood acute leukemia and nonHodgkin's lymphoma. Pui CH, et al. **J Urol** 1986 Nov;136(5):1052–4

The serological response to Candida albicans in leukemic patients prophylactically treated with ketoconazole. Schønheyder H, et al. **Mykosen** 1987 Jan;30(1):5–9

A follow-up on a case report [letter] Powell BL, et al. **NC Med J** 1987 Mar;48(3):165–6

An outbreak of invasive aspergillosis in a haematologic unit. Ruutu P, et al. **Scand J Infect Dis** 1987;19(3):347–51

Role of surgical treatment in the management of complications of the gastrointestinal tract in patients with leukemia. Villar HV, et al. **Surg Gynecol Obstet** 1987 Sep; 165(3):217–22

Bacteremia in childhood acute leukemia. Hung IJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Apr;86(4):385–91

Cutaneous manifestations of leukemia. Kauh YC. **Yonsei Med J** 1987;28(2):81–90

[Sepsis in hematologic diseases] Bláha M, et al. **Vnitr Lek** 1986 Nov;32(11):1044–50 (Eng. Abstr.) **(Cze)**

[Atypical urticaria disclosing acute basophilic leukemia. Apropos of a case associated with hyperhistaminemia] André J, et al. **Ann Dermatol Venereol** 1987;114(2):169–73 (Eng. Abstr.) **(Fre)**

[Effects of providing systematic information to leukemia patients on their ability to prevent complications] Balon C, et al. **Rev Med Liege** 1986 Sep 15;41(18):701–4 **(Fre)**

[Clostridium difficile colitis in patients with blood diseases] Gentile G, et al. **Ann Ist Super Sanita** 1986;22(3):979–83 (Eng. Abstr.) **(Ita)**

[Hepatitis B in pediatrics. Considerations on vaccination in leukemia] Cimaglia A, et al. **Pediatr Med Chir** 1986 Jul-Aug;8(4):547–9 (Eng. Abstr.) **(Ita)**

[Clinical evaluation of cefmenoxime in severe infections in leukemia and related disorders] Tsuda S, et al. **Jpn J Antibiot** 1986 Oct;39(10):2651–60 (Eng. Abstr.) **(Jpn)**

[Combined clinical effect of amikacin and cefoxitin in patients with severe infections complicated by hematological diseases] Uno N, et al. **Jpn J Antibiot** 1987 Mar; 40(3):469–75 (Eng. Abstr.) **(Jpn)**

[Infectious disease complicated by hematological disorders--a survey of the past seven years at the First Department of Internal Medicine, Ehime University Hospital] Imoto A, et al. **Kansenshogaku Zasshi** 1987 Feb; 61(2):153–60 (Eng. Abstr.) **(Jpn)**

[Intrathoracic lesions in adult leukemia patients] Kitamura S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Aug; 24(8):894–9 (Eng. Abstr.) **(Jpn)**

[Empiric therapy with piperacillin plus amikacin in febrile granulocytopenic patients with acute leukemia] Sampi K, et al. **Rinsho Ketsueki** 1986 Nov;27(11):2065–9 (Eng. Abstr.) **(Jpn)**

[Clinical studies on hematological malignancies accompanied by hypercalcemia] Takahasi T, et al. **Rinsho Ketsueki** 1986 Nov;27(11):2070–7 (Eng. Abstr.) **(Jpn)**

[Effect of cefmetazole on infections accompanying granulocytopenia in hematological disorders: a cooperative study] Urabe A, et al. **Rinsho Ketsueki** 1987 Apr; 28(4):524–8 (Eng. Abstr.) **(Jpn)**

[Fibrinolysis as a cause of hemorrhagic complications in chronic leukemia patients] Rozanova LS, et al. **Gematol Transfuziol** 1987 May;32(5):14–7 (Eng. Abstr.) **(Rus)**

[Features of the clinical picture, immunocorrection of hepatitis B, and immune status of children with hemoblastoses] Zinov'eva LI, et al. **Pediatriia** 1987; (2):46–52 (Eng. Abstr.) **(Rus)**

[C-reactive protein as an auxiliary method in the diagnosis of concurrent infection in children with systemic lupus erythematosus and acute leukemia] Durán Chávez C. **Alergia** 1986 Jul-Sep;33(3):61–4 (Eng. Abstr.) **(Spa)**

[Colonization and infection in leukemic patients. Analysis of 195 surveillance cultures] Salerno RA, et al. **Medicina (B Aires)** 1986;46(4):369–76 (Eng. Abstr.) **(Spa)**

[Infections in leukemic granulocytopenic patients. Analysis of 57 febrile episodes] Salerno RA, et al.

Medicina (B Aires) 1986;46(4):377–84 (Eng. Abstr.) **(Spa)**

CONGENITAL

Ultrastructural cytochemistry of congenital basophilic leukemia. Kurosawa H, et al. **Am J Pediatr Hematol Oncol** 1987 Spring;9(1):27–32

Congenital leukaemia: an unusual cause of stillbirth. Gray ES, et al. **Arch Dis Child** 1986 Oct;61(10):1001–6

Congenital leukemia with placental involvement. Report of a case with ultrastructural study. Las Heras J, et al. **Cancer** 1986 Nov 15;58(10):2278–81

Congenital acute nonlymphoblastic leukemia with translocation (9;18). Gale G, et al. **Cancer Genet Cytogenet** 1986 Nov;23(3):261–3

[Down's syndrome and leuko-erythroblastic reaction. Study of a case simulating congenital leukemia] Sabater Marco V. **Sangre (Barc)** 1987;32(1):88–93 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Fine needle aspiration in the evaluation of testicular leukemic infiltration. Rupp M, et al. **Acta Cytol (Baltimore)** 1987 Jan–Feb;31(1):57–8

Diagnostic value of immunological leukemia phenotyping. Drexler HG, et al. **Acta Haematol (Basel)** 1986;76(1):1–8

Immunoalkaline phosphatase labeling of terminal transferase in hematologic samples. Erber WN, et al. **Am J Clin Pathol** 1987 Jul;88(1):43–50

Delay in the diagnosis of leukemia [letter] Bader M. **Am J Dis Child** 1987 Mar;141(3):244

Myeloid lineage specificity and high sensitivity of monoclonal antibody GM 58/8 proves its usefulness as a diagnostic reagent in acute leukemia. Das Gupta A, et al. **Am J Hematol** 1987 Jun;25(2):125–30

Cytologic diagnosis of the acute nonlymphoid leukemias. II. Flow cytometry, surface markers, cytogenetics, and use of cell culture techniques. Altman AJ. **Am J Pediatr Hematol Oncol** 1985 Summer;7(2):156–64

Hybrid acute leukaemia. Gale RP, et al. **Br J Haematol** 1987 Mar;65(3):261–4 (41 ref.)

Two new monoclonal antibodies, Lym-1 and Lym-2, reactive with human B-lymphocytes and derived tumors, with immunodiagnostic and immunotherapeutic potential. Epstein AL, et al. **Cancer Res** 1987 Feb 1;47(3):830–40

The interleukin-2 receptor on malignant cells: a target for diagnosis and therapy. Waldmann TA. **Cell Immunol** 1986 Apr 15;99(1):53–60

Ultrastructural localization of 2-naphthylthiol acetate nonspecific esterase in human blood cells and leukemic cells. Li HL, et al. **Exp Mol Pathol** 1987 Jun;46(3):321–30

Pelvic and mammary Burkitt-like lymphoma with simultaneous development of leukemia. Amadori G, et al. **Gynecol Oncol** 1987 Feb;26(2):246–50

Unusual presentation of childhood leukemia mimating hairy cell leukemia. A case report. Lippi A, et al. **Haematologica (Pavia)** 1986 Nov–Dec;71(6):485–8

Splenic B cell lymphoma with circulating villous lymphocytes: differential diagnosis of B cell leukaemias with large spleens. Melo JV, et al. **J Clin Pathol** 1987 Jun; 40(6):642–51

Oral changes as initial diagnostic indicators in acute leukemia. Barrett AP. **J Oral Med** 1986 Oct–Dec;41(4):234–8

Use of the monoclonal antibody WR17, identifying the CD37 gp40–45 Kd antigen complex, in the diagnosis of B-lymphoid malignancy. Moore K, et al. **J Pathol** 1987 May;152(1):13–21

High performance for expert systems: II. A system for leukaemia diagnosis. Alvey PL, et al. **Med Inf (Lond)** 1987 Apr–Jun;12(2):97–114

High performance for expert systems: I. Escaping from the demonstrator class. Alvey PL, et al. **Med Inf (Lond)** 1987 Apr–Jun;12(2):85–95

Diagnostic flow cytometry in hematology: the leukemias. Marti GE. **Pathol Immunopathol Res** 1986;5(3–5):416–36 (127 ref.)

[Malignant disorders of the lymphatic system (letter)] Kluin-Nelemans JC, et al. **Ned Tijdschr Geneeskd** 1986 Dec 6;130(49):2232 **(Dut)**

[Viral tumor markers] Löning T, et al. **Verh Dtsch Ges Pathol** 1986;70:104–15 (Eng. Abstr.) **(Ger)**

[Eosinophilic leukemia as a diagnostic problem] Siering H. **Z Gesamte Inn Med** 1987 Jul 1;42(13):363–6 (Eng. Abstr.) **(Ger)**

[Clinical role of the periodic measurement of urinary polyamine in hematological malignancies] Nagoshi H, et al. **Rinsho Byori** 1986 Oct;34(10):1168–72 **(Jpn)**

[In vitro differentiation of hematologic malignant cells with phorbol myristate acetate] Hirose M, et al. **Rinsho Ketsueki** 1987 Mar;28(3):350–7 (Eng. Abstr.) **(Jpn)**

[Clinical significance of serum ribonuclease (RNase) assay in acute leukemia] Maruoka K, et al. **Sangyo Ika Daigaku Zasshi** 1987 Mar 1;9(1):35–43 (Eng. Abstr.) **(Jpn)**

[Evaluation of acid esterase activity in neoplastic cells of the peripheral blood and bone marrow in various neoplastic diseases of the hematopoietic system] Mariańska B, et al. **Acta Haematol Pol** 1986 Jan–Jun;17(1–2):34–8 (Eng. Abstr.) **(Pol)**

[The use of surface antigens of erythroid cells in the study of hemoblastoses] Mechetner EB. **Eksp Onkol** 1987; 9(3):9–16 (80 ref.) (Eng. Abstr.) **(Rus)**

[Cytologic diagnosis of acute leukemia based on FAB classification and new cytochemical criteria] Kozinets GI, et al. **Gematol Transfuziol** 1986 Sep;31(9):8–15 (Eng. Abstr.) **(Rus)**

[Diagnostic and prognostic significance of chromosomal changes in acute leukemia in children] Osis IV, et al. **Gematol Transfuziol** 1987 Feb;32(2):23–6 (Eng. Abstr.) **(Rus)**

[Clinical importance of the results of cloning hematopoietic cells from patients with leukemias and hematopoietic dysplasias] Kulibaba TG, et al. **Ter Arkh** 1986;58(9):40–3 (Eng. Abstr.) **(Rus)**

[Diagnosis of reactive lymphadenopathies and the stage of lymphosarcoma leukemization using the simplest methods of immunologic phenotyping] Samollova RS, et al. **Ter Arkh** 1986;58(9):72–7 (Eng. Abstr.) **(Rus)**

[Importance of the method of concentrating leukocytes in the early detection of acute leukemia in cytopenic states] Solovei DIa, et al. **Ter Arkh** 1986;58(9):34–6 **(Rus)**

[Prognostic significance of the glucocorticoid receptor level in the bone marrow blast cells of children with leukemias] Gershtein ES, et al. **Vopr Onkol** 1987;33(1):20–4 (Eng. Abstr.) **(Rus)**

[Leukocyte glycosaminoglycans in various forms of myelo- and lymphoproliferative blood diseases] Kharchenko MF, et al. **Vopr Onkol** 1986;32(10):47–53 (Eng. Abstr.) **(Rus)**

[Characteristics of the course of acute leukemia in middle and old age] Plotnikov IuK. **Vrach Delo** 1987 Apr;(4):70–2 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Low-dose cytosine arabinoside in the treatment of relapsed and refractory acute non-lymphocytic leukaemia. Krogh Jensen M, et al. **Acta Haematol (Basel)** 1986;76(2–3):127–9

Large interindividual variations in the pharmacokinetics of oral 6-mercaptopurine in maintenance therapy of children with acute leukaemia and non-Hodgkin lymphoma. Lafolie P, et al. **Acta Paediatr Scand** 1986 Sep;75(5):797–803

Effect of m-AMSA on the cellular pharmacology of ara-CTP in human leukemic cells during therapy with high-dose ara-C. Plunkett W, et al. **Adv Exp Med Biol** 1986;195 Pt B:171–5

Amsacrine [4'-(9-acridinylamino)-methanesulfon-m-anisidide] (m-AMSA) and 5-azacytidine (AZA) for remission reinduction in patients with relapsed adult acute nonlymphocytic leukemia. An ECOG pilot study. Eastern Cooperative Oncology Group. Kahn SB, et al. **Am J Clin Oncol** 1987 Feb;10(1):78–81

Involvement of von Willebrand factor in thrombosis following asparaginase-prednisone-vincristine therapy for leukemia. Pui CH, et al. **Am J Hematol** 1987 Jul;25(3):291–8

In vitro correlates of low dose ara-C efficacy: clinical, cytogenetic, and bone marrow culture analysis. Weisdorf DJ, et al. **Am J Hematol** 1987 May;25(1):43–53

Clotrimazole treatment for prevention of oral candidiasis in patients with acute leukemia undergoing chemotherapy [letter] Avilés A. **Am J Med** 1987 Apr;82(4):867–8

Clotrimazole treatment for prevention of oral candidiasis in patients with acute leukemia undergoing chemotherapy. Results of a double-blind study. Cuttner J, et al. **Am J Med** 1986 Nov;81(5):771–4

Alpha interferon in the treatment of hematologic malignancies. Roth MS, et al. **Am J Med** 1986 Nov; 81(5):871–82 (134 ref.)

Clinical and in vitro antiproliferative properties of recombinant DNA-derived human interferon-alpha 2. Freedman MH, et al. **Am J Pediatr Hematol Oncol** 1986 Fall;8(3):178–82

Infection prevention during induction of remission in children with newly diagnosed acute leukemia. Roord JJ, et al. **Ann Ist Super Sanita** 1986;22(3):973–7

A phase II study of epirubicin in acute leukemia: a cooperative group study. Sampi K, et al. **Anticancer Res** 1987 Jan–Feb;7(1):29–31

In vitro and in vivo studies of a promising antileukemic thymidine analogue, 5-hydroxymethyl-2' deoxyuridine. Kahilainen L, et al. **Biochem Pharmacol** 1986 Dec 1; 35(23):4211–5

Preclinical assessment of purging with VP-16-213: key role for long-term marrow cultures. Kushner BH, et al. **Blood** 1987 Jan;69(1):65–71

Comparison of three remission induction regimens and two postinduction strategies for the treatment of acute nonlymphocytic leukemia: a cancer and leukemia group B study. Preisler H, et al. **Blood** 1987 May;69(5):1441–9

Toxicity of sequential high-dose ARA-C asparaginase treatment in childhood poor risk leukemia. Grümayer ER, et al. **Blut** 1986 Oct;53(4):309–14

The effect of naproxen on fever in children with malignancies. Azeemuddin SK, et al. **Cancer** 1987 Jun 1; 59(11):1966–8

Toxicity of high dose Ara-C in children and adolescents. Barrios NJ, et al. **Cancer** 1987 Jul 15;60(2):165–9

High-dose, continuous-infusion cyclophosphamide, cytarabine, vincristine, and prednisone for remission induction in refractory adult acute leukemia. Guthrie TH Jr. **Cancer** 1987 Apr 1;59(7):1255–7

Pregnancy outcome in cancer patients. Experience in a large cooperative group. Mulvihill JJ, et al. **Cancer** 1987 Sep 1;60(5):1143–50

Curing children of leukemia. Pinkel D. **Cancer** 1987 May 15;59(10):1683–91

Amsacrine treatment of patients with supraventricular arrhythmias and acute leukemia. Arlin Z, et al. **Cancer Chemother Pharmacol** 1987;19(2):163–4

A phase II study of high-dose cytosine arabinoside in the treatment of acute leukaemia in adults. Barnett MJ, et al. **Cancer Chemother Pharmacol** 1987;19(2):169–71

Treatment of acute leukaemia with m-AMSA in combination with cytosine arabinoside. Dhaliwal HS, et al. **Cancer Chemother Pharmacol** 1986;18(1):59–62

Limited efficacy of a four-day course of high-dose cytosine arabinoside in the treatment of poor-risk patients with acute nonlymphocytic leukemia. Preisler HD, et al. **Cancer Chemother Pharmacol** 1986;18(3):257–60

Abrogation of the prognostic significance of low leukemic cell retention of cytosine arabinoside triphosphate by intensification of therapy and by alteration in the dose and schedule of administration of cytosine arabinoside. Preisler HD, et al. **Cancer Chemother Pharmacol** 1987;19(1):69–74

Low dose ara-C administered by continuous subcutaneous infusion: a pharmacologic evaluation. Spriggs DR, et al. **Cancer Drug Deliv** 1986 Summer;3(3):211–6

Comparison of the cytotoxic effects of merocyanine-540 on leukemic cells and normal human bone marrow. Atzpodien J, et al. **Cancer Res** 1986 Oct;46(10):4892–5

Phase I and clinical pharmacological study of 4-demethoxydaunorubicin (idarubicin) in children with advanced cancer. Tan CT, et al. **Cancer Res** 1987 Jun 1; 47(11):2990–5

Enhancement of voltage-gated Na+ channel current associated with multidrug resistance in human leukemia cells. Yamashita N, et al. **Cancer Res** 1987 Jul 15; 47(14):3736–41

Etoposide in combination with cytarabine, doxorubicin, and 6-thioguanine for treatment of acute nonlymphoblastic leukemia in a protocol adjusted for age. Bern MM, et al. **Cancer Treat Rep** 1987 Feb;71(2):201–3

Prolonged unmaintained remission after intensive consolidation therapy in adult acute nonlymphocytic leukemia. Cassileth PA, et al. **Cancer Treat Rep** 1987 Feb; 71(2):137–40

Central nervous system toxicity of fludarabine phosphate. Chun HG, et al. **Cancer Treat Rep** 1986 Oct;70(10):1225–8

Azacitidine: 10 years later. Glover AB, et al. **Cancer Treat Rep** 1987 Jul–Aug;71(7–8):737–46 (83 ref.)

Combination of 6-mercaptopurine, vincristine, methotrexate, and prednisone in resistant or relapsed acute nonlymphoid leukemia. Leone G, et al. **Cancer Treat Rep** 1987 Jul–Aug; 71(7–8):751–3

Effect of amsacrine on ara-CTP cellular pharmacology in human leukemia cells during high-dose cytarabine therapy. Plunkett W, et al. **Cancer Treat Rep** 1987 May;71(5):479–83

Combination chemotherapy with diaziquone and amsacrine in relapsed and refractory acute nonlymphocytic leukemia: a Cancer and Leukemia Group B Study. Schiffer CA, et al. **Cancer Treat Rep** 1987 Sep;71(9):879–80

Phase II study of continuous-infusion diaziquone in relapsed/refractory acute nonlymphocytic leukemia. Schulman P, et al. **Cancer Treat Rep** 1987 Jul–Aug; 71(7–8):755–7

Laboratory detection of primary and acquired drug resistance in human lymphatic neoplasms. Weisenthal LM, et al. **Cancer Treat Rep** 1986 Nov;70(11):1283–95

Amsacrine evaluation. Van Mouwerik TJ, et al. **Drug Intell Clin Pharm** 1987 Apr;21(4):330–4

Preliminary results of consolidation therapy with high-dose cytosine arabinoside for patients with bad-risk or relapsed acute leukemia or lymphoblastic non-Hodgkin's lymphoma. Peters WG, et al. **Eur J Cancer Clin Oncol** 1987 Apr;23(4):401–5

Interferons for malignant blood diseases? Hokland M, et al. **Eur J Haematol** 1987 Mar;38(3):209–12

Retinoic acid-induced differentiation of the human promyelocytic leukemia cell line, HL-60, and fresh human leukemia cells in primary culture: a model for differentiation inducing therapy of leukemia. Imaizumi M, et al. **Eur J Haematol** 1987 Apr;38(4):289–302 (85 ref.)

Daunorubicin versus aclarubicin in combination with cytarabine and thioguanine in elderly patients with acute nonlymphocytic leukemia, a preliminary report. Björkholm M, et al. **Eur J Haematol [Suppl]** 1987;47:49–54

Influence of small doses cytosine arabinoside (Ara-C) on leukemic cells in vitro and in vivo. Results in patients with leukemia and myelodysplastic syndrome. Kuliczkowski K, et al. **Folia Haematol (Leipz)** 1986;113(6):738–48

Trimethoprim/sulfamethoxazole plus ketoconazole prophylaxis in acute leukemia. Capnist G, et al. **Haematologica (Pavia)** 1987 Mar–Apr;72(2):157–61

Low-dose Ara-C in myelodysplastic syndromes and acute nonlymphoid leukemia. Experience with seven patients. Bruzzese L, et al. **Hematol Bluttransfus** 1987;30:315–21

The use of amsacrine plus intermediate-dose cytosine arabinoside in relapsed and refractory acute nonlymphocytic leukemia. Dekker AW, et al. **Hematol Bluttransfus** 1987;30:333–5

Treatment of childhood acute nonlymphocytic leukemia with individually scheduled high doses of cytarabine: preliminary results of study ANLL-82 of the Dutch Childhood Leukemia Study Group (DCLSG). Hählen K, et al. **Hematol Bluttransfus** 1987;30:389–92

Path model of multidimensional compliance with cancer therapy. Richardson JL, et al. **Health Psychol** 1987; 6(3):183–207

Pancreatic endocrine function in leukemic children treated with L-asparaginase. Meschi F, et al. **Horm Res** 1981; 15(4):237–41

The mode of action of methotrexate–monoclonal antibody conjugates. Smyth MJ, et al. **Immunol Cell Biol** 1987 Apr; 65 (Pt 2):189–200

A new regimen of amsacrine with high-dose cytarabine is safe and effective therapy for acute leukemia. Arlin ZA, et al. **J Clin Oncol** 1987 Mar;5(3):371–5

A critical appraisal of low-dose cytosine arabinoside in patients with acute non-lymphocytic leukemia and myelodysplastic syndromes. Cheson BD, et al. **J Clin Oncol** 1986 Dec;4(12):1857–64 (73 ref.)

Hyperleukocytosis in adult acute nonlymphocytic leukemia: impact on remission rate and duration, and survival. Dutcher JP, et al. **J Clin Oncol** 1987 Sep;5(9):1364–72

Combined etoposide and 5-azacitidine in children and adolescents with refractory or relapsed acute nonlymphocytic leukemia: a Pediatric Oncology Group Study. Hakami N, et al. **J Clin Oncol** 1987 Jul;5(7):1022–5

Cerebellar toxicity with high-dose cytosine arabinoside. Herzig RH, et al. **J Clin Oncol** 1987 Jun;5(6):927–32

Effect of L-asparaginase administration on coagulation and platelet function in children with leukemia. Homans AC, et al. **J Clin Oncol** 1987 May;5(5):811–7

A strategy for evaluation of new treatments in untreated patients: application to a clinical trial of AMSA for acute leukemia. Keating MJ, et al. **J Clin Oncol** 1987 May; 5(5):710–21

A clinical and pharmacokinetic study of mitoxantrone in acute nonlymphocytic leukemia. Larson RA, et al. **J Clin Oncol** 1987 Mar;5(3):391–7

Compliance with oral drug therapy in patients with hematologic malignancy. Levine AM, et al. **J Clin Oncol** 1987 Sep;5(9):1469–76

Homoharringtonine—perspectives on an active new natural product. O'Dwyer PJ, et al. **J Clin Oncol** 1986 Oct; 4(10):1563–8 (47 ref.)

Intensive remission consolidation therapy in the treatment of acute nonlymphocytic leukemia. Preisler HD, et al. **J Clin Oncol** 1987 May;5(5):722–30

High-dose cytosine arabinoside as the initial treatment of poor-risk patients with acute nonlymphocytic leukemia: a Leukemia Intergroup Study. Preisler HD, et al. **J Clin Oncol** 1987 Jan;5(1):75–82

Clinical pharmacodynamics of continuous infusion teniposide: systemic exposure as a determinant of response in a phase I trial. Rodman JH, et al. **J Clin Oncol** 1987 Jul;5(7):1007–14

Evaluation of intensive postremission chemotherapy for adults with acute nonlymphocytic leukemia using high-dose cytosine arabinoside with L-asparaginase and amsacrine with etoposide. Tallman MS, et al. **J Clin Oncol** 1987 Jun;5(6):918–26

Therapeutic progress—review XXVI. Drug therapy for the acute leukaemias. Donohue SM, et al. **J Clin Pharm Ther** 1987 Jun;12(3):145–55 (71 ref.)

Therapeutic progress—review XXVII. High dose chemotherapy in haematological malignancy. Hamon MD, et al. **J Clin Pharm Ther** 1987 Aug;12(4):203–11 (53 ref.)

Characterization of polyethylene glycol-modified L-asparaginase from Escherichia coli and its application to therapy of leukemia. Yoshimoto T, et al. **Jpn J Cancer Res** 1986 Dec;77(12):1264–70

"Maintenance treatment" for acute leukaemia [letter]Dmura GA. **Lancet** 1986 Nov 15;2(8516):1154

Low-dose Ara-C can cause complete remission of acute non-lymphocytic leukemia: differentiation induction? Ye JS, et al. **Leuk Res** 1986;10(10):1221–4

Sensitivity and resistance to chemotherapy in acute leukemia: correlation with in vitro drug uptake and lack of potentiation by verapamil. Andersson BS, et al. **Med Oncol Tumor Pharmacother** 1987;4(1):17–21

Plasma levels of daunorubicin metabolites and the outcome of ANLL therapy. Gessner T, et al. **Med Oncol Tumor Pharmacother** 1987;4(1):23–31

Induction failures in childhood acute nonlymphocytic leukemia: etoposide/5-azacytidine for cases refractory to daunorubicin/cytarabine. Kalwinsky DK, et al. **Med Pediatr Oncol** 1986;14(5):245–50

Phase I–II trial of VP-16 in the treatment of acute nonlymphocytic leukemia and blast crisis of chronic granulocytic leukem²a. Mailliard JA, et al. **Med Pediatr Oncol** 1986;14(6):306–9

Ara-C syndrome during low-dose continuous infusion therapy. Powell BL, et al. **Med Pediatr Oncol** 1986; 14(6):310–2

Treatment strategies in relation to drug action. Muggia FM, et al. **NCI Monogr** 1987;(4):129–33

Topoisomerase II as a target of antileukemic drugs. Zwelling LA, et al. **NCI Monogr** 1987;(4):79–82

Derivatives of benzo(c)fluorene. XXIV. Cytostatic effect of benfluron on human leukemic cells in vitro. Souček J, et al. **Neoplasma** 1987;34(1):45–54

Combined chemotherapy with m-amsacrine in high-risk patients with acute non-lymphocytic leukemia. Maschmeyer G, et al. **Onkologie** 1987 Feb;10(1):18–21

Quantitative analysis of the oral complications of antileukemia chemotherapy. Dreizen S, et al. **Oral Surg Oral Med Oral Pathol** 1986 Dec;62(6):650–3

Clinical trial on 5-aza-2'-deoxycytidine in patients with acute leukemia. Momparler RL, et al. **Pharmacol Ther** 1985; 30(3):277–86

Surgery for the acute abdomen in adults with leukaemia. Martell RW, et al. **Postgrad Med J** 1986 Oct;62(732):915–8

Infection management during antileukemia treatment–induced granulocytopenia: the role for oral norfloxacin prophylaxis against infections arising from the gastrointestinal tract. Karp JE, et al. **Scand J Infect Dis [Suppl]** 1986;48:66–78

Human trials of new cancer therapy begin [news] [published erratum appears in Science 1987 Jul 3;237(4870):11] Marx JL. **Science** 1987 May 15;236(4803):778–9

CYTOSAR-U sterile powder: therapeutic biological effects. Proceedings of a symposium. November 30–December 2, 1986, Kalamazoo, MI. **Semin Oncol** 1987 Jun;14(2 Suppl 1):1–275

Sequential high-dose ara-C and asparaginase versus high-dose ara-C alone in the treatment of patients with relapsed and refractory acute leukemias. Capizzi RL, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):40–50

Low-dose ara-C in acute nonlymphocytic leukemia and myelodysplastic syndromes: a review of 20 years' experience. Cheson BD, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):126–33

Prolonged survival after high-dose cytosine arabinoside and amsacrine induction in patients with previously untreated de novo acute nonlymphocytic leukemia. Hines JD, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):37–9

Long-term relapse-free survival in childhood acute nonlymphocytic leukemia. Lie SO, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):7–11

ara-C in plasma and ara-CTP in leukemic cells after subcutaneous injection and continuous intravenous infusion of ara-C in patients with acute nonlymphoblastic leukemia. Liliemark JO, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):167–71

Intensive postremission therapy in adults with acute nonlymphocytic leukemia using various dose schedules of ara-C: a progress report from the CALGB. Cancer and Leukemia Group B. Mayer RJ, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):25–31

Saturation of ara-CTP accumulation during high-dose ara-C therapy: pharmacologic rationale for intermediate-dose ara-C. Plunkett W, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):159–66

Pharmacokinetic parameters of 1-beta-D-arabinofuranosylcytosine (ara-C) and their relationship to intracellular metabolism of ara-C, toxicity, and response of patients with acute nonlymphocytic leukemia treated with conventional and high-dose ara-C. Rustum YM, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):141–8

High-dose cytosine arabinoside and mitoxantrone in high-risk acute nonlymphoblastic leukemia. Sanz MA, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):18–20

High-dose cytosine arabinoside in the consolidation therapy of acute nonlymphocytic leukemia in remission. Takaku F, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):55–7

High-dose cytosine arabinoside and daunorubicin as consolidation therapy for acute nonlymphocytic leukemia in first remission: an update. Wolff SN, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):12–7

Small-dose cytosine arabinoside in the treatment of elderly patients with acute leukemia and refractory anemia with excess of blast. Satou Y, et al. **Tokai J Exp Clin Med** 1986 Oct;11(4):249–54

[Cytotoxicity of the monoclonal antibody anti-CCT2 and bleomycin A6 conjugate to leukemia cells] Zhen YS, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Aug;8(4):272–5 (Eng. Abstr.) **(Chi)**

[Neuromeningeal localizations in acute leukemia and non-Hodgkin's lymphoma. Protocol combining BCNU–cytosine arabinoside [letter]] Donadio D, et al. **Ann Med Interne (Paris)** 1987;138(2):143 **(Fre)**

[Methods of evaluating residual disease in bone marrow in malignant hemopathies. Prospectives] Hervé P, et al. **Nouv Rev Fr Hematol** 1987;29(2):103–6 (26 ref.) **(Fre)**

[Importance of anthracyclines in infants in the treatment of acute lymphoblastic and non-lymphoblastic leukemias] Leverger G, et al. **Pathol Biol (Paris)** 1987 Jan;35(1):87–90 (Eng. Abstr.) **(Fre)**

[Intestinal decontamination in the neutropenic patient. Apropos of a prospective randomized study] Pellegrin JL, et al. **Pathol Biol (Paris)** 1986 Jun;34(5 Pt 2):676–9 (Eng. Abstr.) **(Fre)**

[Value of high-dose cytosine-arabinoside in the treatment of resistant acute leukemia] Witz F, et al. **Presse Med** 1987 Feb 7;16(4):159–62 (Eng. Abstr.) **(Fre)**

[In vitro test for studying sensitivity to Ara-C in leukemic patients] Onetto N, et al. **Union Med Can** 1987 Feb; 116(2):114–6 (Eng. Abstr.) **(Fre)**

[Clinical relevance of glucocorticoid receptors in the treatment of lymphoid neoplasias] Gehring U, et al. **Klin Wochenschr** 1987 Mar 16;65(6):247–52 (Eng. Abstr.) **(Ger)**

[Single-agent trial with epirubicin in hematological malignancies] Kobayashi T, et al. **Gan No Rinsho** 1987 Feb; 33(2):184–7 (Eng. Abstr.) **(Jpn)**

[Phase II study of etoposide (VP-16) in the form of intravenous injection for malignant lymphomas and acute leukemias: Hanshin Cooperative Study Group for Hematological Disorders] Tagawa S, et al. **Gan No Rinsho** 1987 Jan;33(1):1–7 (Eng. Abstr.) **(Jpn)**

[Anticancer drug sensitivity test and its clinical evaluation in 15 cases of acute leukemia and lymphoma] Hongo T, et al. **Gan To Kagaku Ryoho** 1987 Feb;14(2):416–20 (Eng. Abstr.) **(Jpn)**

[Treatment of a case of childhood acute non-lymphocytic leukemia (ANLL) using high-dose cytosine arabinoside for intensification of early therapy] Imashuku S, et al. **Gan To Kagaku Ryoho** 1987 Feb;14(2):527–30 (Eng. Abstr.) **(Jpn)**

[A phase II study of N4-palmitoyl-1-beta-D-arabinofuranosylcytosine (PL-AC) in patients with acute leukemia and myelodysplastic syndromes. Cooperative Study Group for PL-AC] Kimura K. **Gan To Kagaku Ryoho** 1987 Aug; 14(8):2475–81 (Eng. Abstr.) **(Jpn)**

[Intermediate- and high-dose cytosine arabinoside therapy in acute refractory leukemia] Ohshima A, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):192–5 (Eng. Abstr.) **(Jpn)**

[Cardiotoxicity of mitoxantrone] Okuma K, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):3040–5 (Eng. Abstr.) **(Jpn)**

[Cancer chemotherapy combined with a calcium antagonist in patients with hematologic malignancies and solid tumors resistant to standard chemotherapy] Sampi K. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):951–5 (Eng. Abstr.) **(Jpn)**

[Phase II trial of mitoxantrone in patients with relapsed and refractory acute leukemia] Sampi K, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):3021–7 (Eng. Abstr.) **(Jpn)**

[Therapeutic effects of a combination of intermediate-dose cytosine arabinoside, adriamycin and vincristine in relapsed acute leukemia] Takahashi I, et al. **Gan To Kagaku Ryoho** 1987 Feb;14(2):485–9 (Eng. Abstr.) **(Jpn)**

[The clinical effect of low-dose Ara-C in patients with refractory acute nonlymphocytic leukemia and myelodysplastic syndrome] Yoshida M, et al. **Gan To Kagaku Ryoho** 1987 Apr;14(4):1057–62 (Eng. Abstr.) **(Jpn)**

[Clinical and pharmacokinetic studies of high dose N4-behenoyl-1-beta-D-arabinofuranosylcytosine] Yoshida T, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1820–4 (Eng. Abstr.) **(Jpn)**

[Myelotoxicity due to cancer chemotherapy] Nakamura S, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Oct 20; 21(9):2196–205 (Eng. Abstr.) **(Jpn)**

[Primary relapse in patients with acute leukemia after an initial 5-year period of complete remission] Kawashima K, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Nov; 49(7):1354–9 (Eng. Abstr.) **(Jpn)**

[11 cases of adult acute leukemia surviving more than 5 years] Imai Y, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2281–90 (Eng. Abstr.) **(Jpn)**

[Mitoxantrone as combination chemotherapy in patients with acute leukemia. Tokai Blood Cancer Study Group] Kimura K, et al. **Rinsho Ketsueki** 1986 Sep;27(9):1616–27 (Eng. Abstr.) **(Jpn)**

[Prognostic factors related to remission duration and the effects of maintenance therapy in BHAC-DMP therapy in adult acute non-lymphocytic leukemia patients] Morishima Y, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1454–9 (Eng. Abstr.) **(Jpn)**

[Modified VAPA therapy in children with acute nonlymphocytic leukemia] Morohashi F, et al. **Rinsho Ketsueki** 1986 Nov;27(11):2101–6 (Eng. Abstr.) **(Jpn)**

[Successful alfacalcidol treatment of a patient with hypoplastic leukemia] Takahashi T, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2361–5 (Eng. Abstr.) **(Jpn)**

[Strategy of chemotherapy of a patient with acute leukemia based on the mechanism of action of drugs] Uchida M, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1445–53 (Eng. Abstr.) **(Jpn)**

[Use of small, moderate and large doses of cytarabine (ARA-C) in the treatment of leukemia and other diseases of the hematopoietic system] Robak T. **Acta Haematol Pol** 1986 Jan–Jun;17(1–2):63–70 (40 ref.) **(Pol)**

[Methods of determining blast cell sensitivity to chemical preparations in treating leukemias (a review of the literature)] Evtukh VP. **Vrach Delo** 1986 Aug;(8):42–6 (76 ref.) **(Rus)**

[Intensive polychemotherapy in the treatment of acute non-lymphoblastic leukemia: comparison of the prospective protocols DATOP/79 and DATOP/82] Carreras E, et al. **Med Clin (Barc)** 1987 Feb 14;88(6):223–7 (Eng. Abstr.) **(Spa)**

[Analysis of prognostic factors and predictive models of response to induction chemotherapy in acute non-lymphoblastic leukemia] Lorenzo JI, et al. **Med Clin (Barc)** 1987 Jun 20;89(4):135–40 (Eng. Abstr.) **(Spa)**

[Importance of changes in potassium in the management of patients with acute non-lymphoblastic leukemia] Marazuela M, et al. **Med Clin (Barc)** 1986 Dec 13;87(20):843–6 (Eng. Abstr.) **(Spa)**

[Prognosis in acute non-lymphoblastic leukemia] Sierra J, et al. **Med Clin (Barc)** 1987 Jun 20;89(4):150-2 (39 ref.) **(Spa)**

[Cytosine arabinoside as a polyvalent drug in the treatment of acute non-lymphoid leukemias] Sánchez Fayos J. **Sangre (Barc)** 1986;31(5):566-73 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Cytochemistry of N-acetyl-beta-glucosaminidase in normal and leukemic T cells. Invernizzi R, et al. **Acta Haematol (Basel)** 1987;77(1):6-10

Cytochemical method for demonstrating magnesium-activated adenosine triphosphatase in haemic cells. Khalaf MR, et al. **Acta Haematol (Basel)** 1987; 77(3):166-9

Expression of dipeptidylaminopeptidase-IV in some human T and B cell lines. Srivastava MD, et al. **Acta Haematol (Basel)** 1986;76(1):25-8

Terminal transferase in normal and leukemic cells. Bollum FJ, et al. **Adv Cancer Res** 1986;47:37-61 (85 ref.)

Characterization of purine nucleoside phosphorylase in leukemia. Morisaki T, et al. **Am J Hematol** 1986 Nov; 23(3):263-9

Measurement of terminal deoxynucleotidyl transferase mRNA in clinical samples: a new parameter in analysis of leukemia cells. Wolf SC, et al. **Am J Hematol** 1987 Jul; 25(3):259-69

Alteration of beta-hexosaminidase activity and isoenzymes in human leukemic cells. Orlacchio A, et al. **Biochem Med Metab Biol** 1986 Dec;36(3):283-92

Differences in nonspecific esterase from normal and leukemic monocytes. Cohn PD, et al. **Blood** 1987 Jun;69(6):1574-9

Clinical significance of low levels of myeloperoxidase positivity in childhood acute nonlymphoblastic leukemia. Pui CH, et al. **Blood** 1987 Jul;70(1):51-4

T-leukemia cell lines CCRF-CEM, HPB-ALL, JM and MOLT-4: changes in isoenzyme profiles during induction of differentiation. Drexler HG, et al. **Blut** 1987 Feb; 54(2):79-87

Enzyme cytochemistry of neutrophil granulocytes [editorial] Bendix-Hansen K. **Br J Haematol** 1987 Feb;65(2):127-9

Characteristics of red cell pyruvate kinase (PK) and pyrimidine 5'nucleotidase (P5N) abnormalities in acute leukaemia and chronic lymphoid diseases with leukaemic expression. Vives Corrons JL, et al. **Br J Haematol** 1987 Jun;66(2):173-7

Occurrence of particular isoenzymes in fresh and cultured leukemia-lymphoma cells. III. Esterase isoenzyme in monocytes. Drexler HG, et al. **Cancer** 1987 Jan 1; 59(1):77-82

Distinct alpha-L-fucosidase isoenzyme profiles in human leukemic cells. Orlacchio A, et al. **Cancer Invest** 1987; 5(2):95-100

Formation of DNA interstrand cross-links by the novel chloroethylating agent 2-chloroethyl(methylsulfonyl)methanesulfonate: suppression by O6-alkylguanine-DNA alkyltransferase purified from human leukemic lymphoblasts. Brent TP, et al. **Cancer Res** 1987 Jul 1;47(13):3384-7

Methylthioadenosine phosphorylase deficiency in human leukemias and solid tumors. Fitchen JH, et al. **Cancer Res** 1986 Oct;46(10):5409-12

Electrofocusing pattern of fucosyltransferase activity in human leukemic cells. Suda K, et al. **Cancer Res** 1987 Jun 1;47(11):2782-6

Electrophoretic mobility, concentration, and activity of alpha 1-antitrypsin in serum of patients undergoing bone-marrow transplantation. Mullins RE, et al. **Clin Chem** 1987 Jan; 33(1):193-5

Ultrastructural and cytochemical studies in hematologic malignancies. Feremans W, et al. **Eur J Cancer Clin Oncol** 1986 Aug;22(8):899-903

Activation of protein kinase C inhibits prostaglandin- and potentiates adenosine receptor-stimulated accumulation of cyclic AMP in a human T-cell leukemia line. Nordstedt C, et al. **FEBS Lett** 1987 Aug 10;220(1):57-60

Serum lactate dehydrogenase in acute non lymphocytic leukemia [published erratum appears in Haematologica (Pavia) 1986 Nov-Dec;71(60:523] Fanin R, et al. **Haematologica (Pavia)** 1986 Sep-Oct;71(5):363-7

Terminal deoxynucleotidil transferase (TdT) activity in human leukemia. Quantitative evaluation with enzymatic immunoassay (EIA). Lo Coco F, et al. **Haematologica (Pavia)** 1986 Jul-Aug;71(4):345-7

Induction of early myeloperoxidase in acute unclassified leukemia. Heil G, et al. **Hamatol Bluttransfus** 1987;30:261-4

Purine degradative enzymes in circulating malignant cells of patients with chronic B cell neoplasia. Ho AD, et al. **Hematol Oncol** 1987 Jan-Mar;5(1):9-17

Combined staining for esterases in acute non-lymphoblastic leukaemia. Shome DK, et al. **Indian J Med Res** 1986 Aug; 84:204-9

Sensitivity of leukemia cell lines to cytotoxic alkyl-lysophospholipids in relation to O-alkyl cleavage enzyme activities. Unger C, et al. **JNCI** 1987 Feb; 78(2):219-22

Changes in thymidine kinase activity during differentiation of HL-60 leukemic cells. Borelli TJ, et al. **Leuk Res** 1987; 11(5):469-73

Isoenzyme studies in human leukemia-lymphoma cell lines--V. Induction of differentiation by T-cell derived differentiation-inducing activity. Drexler HG, et al. **Leuk Res** 1987;11(1):85-96

Enumeration of terminal deoxynucleotidyl transferase positive cells in leukemia/lymphoma by flow cytometry. Hirata M, et al. **Leuk Res** 1987;11(6):509-18

Uracil-DNA glycosylase activity in human acute leukemia. Koistinen P, et al. **Leuk Res** 1987;11(6):557-63

Dexamethasone caused alterations in poly(A) polymerase levels of a human leukemic cell line. Kokkinopoulos D, et al. **Leuk Res** 1986;10(11):1341-5

Fast protein liquid chromatography (FPLC) of leukaemic cell N-acetyl beta-D hexosaminidases. Scott CS, et al. **Leuk Res** 1987;11(5):437-44

Deoxycytidylate deaminase activity in non-stimulated and phytohemagglutinin-stimulated human lymphocytes, and in leukemic cells. Tyrsted G, et al. **Mol Cell Biochem** 1987 Jul;76(1):27-34

DNA topoisomerase II as a potential factor in drug resistance of human malignancies. Potmesil M, et al. **NCI Monogr** 1987;(4):105-9

Terminal deoxynucleotidyl transferase in acute leukemias by direct immunofluorescence. Nair CN, et al. **Neoplasma** 1987;34(3):305-11

Isolation and purification of O6-alkylguanine-DNA alkyltransferase from human leukemic cells. Prevention of chloroethylnitrosourea-induced cross-links by purified enzyme. Brent TP. **Pharmacol Ther** 1985;31(1-2):121-40 (45 ref.)

[Disparity between the level of activity and immunochemical determination of terminal deoxynucleotidyl transferase in leukemia] Marchand-Arvier M, et al. **Pathol Biol (Paris)** 1987 Feb;35(2):165-8 (Eng. Abstr.) **(Fre)**

[Cytochemical activity of bone marrow and blood esterases in healthy subjects and in leukemia] Frenkel' MA, et al. **Lab Delo** 1986;(9):535-8 (Eng. Abstr.) **(Rus)**

[Enzymes of purine nucleotide metabolism as biochemical markers of the differentiation of normal and leukemic cells (review of the literature)] Filanovskaia LI, et al. **Vopr Med Khim** 1986 Nov-Dec;32(6):10-7 (60 ref.) **(Rus)**

ETIOLOGY

Japanese patients with leukaemia following the use of Thorotrast including a patient with marked chromosomal rearrangements. Sadamori N, et al. **Acta Haematol (Basel)** 1987;77(1):11-4

Three cases of secondary leukemia. Clinicopathologic findings. Nemoto K, et al. **Acta Pathol Jpn** 1987 May; 37(5):817-30

Structure of HTLV and its biological function in leukemogenesis of adult T-cell leukemia. Miwa M, et al. **AIDS Res** 1986 Dec;2 Suppl 1:S61-70

Mechanism of the gene expression of HTLV-I and its association with ATL. Yoshida M, et al. **AIDS Res** 1986 Dec;2 Suppl 1:S71-8

Acute leukemia with t(4;11) following treatment for beast cancer. Archimbaud E, et al. **Am J Hematol** 1986 Dec; 23(4):405-7

Acute nonlymphocytic leukemia after treatment of small cell lung cancer. Johnson DH, et al. **Am J Med** 1986 Dec; 81(6):962-8

Germ cell tumors and leukemia [letter] Yau JC. **Am J Med** 1987 Jan;82(1):183

Cancer in ataxia-telangiectasia patients: analysis of factors leading to radiation--induced and spontaneous tumors. Becker Y. **Anticancer Res** 1986 Sep-Oct;6(5):1021-32 (93 ref.)

The inter-regional epidemiological study of childhood cancer (IRESCC): a case control study of aetiological factors in leukaemia and lymphoma [published erratum appears in Arch Dis Child 1987 Jun;62(6):644] McKinney PA, et al. **Arch Dis Child** 1987 Mar;62(3):279-87

Childhood leukemia and nuclear establishments [letter] **Br Med J [Clin Res]** 1987 Mar 28;294(6575):835-6

Normal bone marrow karyotype in acute leukemia or myelodysplasia following rheumatoid arthritis? Billström R, et al. **Cancer Genet Cytogenet** 1987 Mar;25(1):161-4

Klinefelter's syndrome and acute leukemia. Horsman DE, et al. **Cancer Genet Cytogenet** 1987 Jun;26(2):375-6

Varying probability of the development of acute nonlymphoblastic leukemia in refractory anemia patients with an excess of blasts. Oguma S, et al. **Cancer Res** 1987 Apr 15;47(8):2196-8

The role of colony stimulating factors in leukaemogenesis. Griffin JD, et al. **Clin Haematol** 1986 Nov;15(4):995-1002

Therapy-related leukemia and myelodysplastic syndrome: clinical, cytogenetic, and prognostic features. Kantarjian HM, et al. **J Clin Oncol** 1986 Dec;4(12):1748-57

Leukemia and occupational exposure to electromagnetic fields: review of epidemiologic surveys. Savitz DA, et al. **J Occup Med** 1987 Jan;29(1):47-51 (28 ref.)

Childhood leukemia and parents' occupational and home exposures. Lowengart RA, et al. **JNCI** 1987 Jul;79(1):39-46

Splenectomy in Hodgkin's disease and second leukaemias [letter] van Leeuwen FE, et al. **Lancet** 1987 Jul 25; 2(8552):210-1

Leukaemogenesis: a postulated mechanism involving tyrosine protein kinase and DNA topoisomerase. Francis GE. **Med Hypotheses** 1987 Feb;22(2):195-207

Decreasing risk of leukemia with prolonged follow-up after chemotherapy and radiotherapy for Hodgkin's disease [letter] **N Engl J Med** 1987 Sep 10;317(11):707-9

Decreasing risk of leukemia with prolonged follow-up after chemotherapy and radiotherapy for Hodgkin's disease. Blayney DW, et al. **N Engl J Med** 1987 Mar 19; 316(12):710-4

[Transformation of Fanconi's anemia into acute leukemia: apropos of 2 cases in a series of 21 patients] Meddeb B, et al. **Tunis Med** 1986 Aug-Sep;64(8-9):755-9 (Eng. Abstr.) **(Fre)**

[Primary immunodeficiency syndromes and malignant neoplasms] Kobayashi N, et al. **Gan No Rinsho** 1987 Apr; 33(5 Suppl):495-500 (Eng. Abstr.) **(Jpn)**

[Polycythemia vera associated with marked pancytopenia in transition from the polycythemic stage to leukemia--a case report] Kamei T, et al. **Rinsho Ketsueki** 1987 Feb; 28(2):239-43 (Eng. Abstr.) **(Jpn)**

[Secondary acute leukemia in cancer patients] Takenaka T, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2228-33 (Eng. Abstr.) **(Jpn)**

[Viral etiology of T-cell leukemia and AIDS] Zgórniak-Nowosielska I. **Patol Pol** 1986 Oct-Dec; 37(4):285-303 **(Pol)**

FAMILIAL & GENETIC

Synchronization of bone marrow culture in chromosome study of leukemia. Chu JY, et al. **Acta Acad Med Wuhan** 1985;5(4):193-6

IL-2 receptor gene activation by ATL-derived factor (ADF). Yodoi J, et al. **Adv Exp Med Biol** 1987;213:139-48

Philadelphia chromosome-positive acute leukemia: morphologic and clinical correlations. Helenglass G, et al. **Am J Hematol** 1987 Jul;25(3):311-24

A variant translocation between chromosomes 4 and 11, t(4q;11p) in a child with acute leukemia. Inoue S, et al. **Am J Pediatr Hematol Oncol** 1985 Summer;7(2):211-4

Cytogenetics and acute non lymphocytic leukemia. Palka G, et al. **Ann Genet (Paris)** 1987;30(1):39-46

The role of chromosomal translocations in B- and T-cell neoplasia. Showe LC, et al. **Annu Rev Immunol** 1987; 5:253-77 (82 ref.)

Fragile sites and chromosomal structural rearrangements in human leukemia and cancer. de Braekeleer M. **Anticancer Res** 1987 May-Jun;7(3 Pt B):417-22

Highly frequent detection of transforming genes in acute leukemias by transfection using in vivo selection assays. Hirai H, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):108-14

Activation mechanism of the N-ras oncogene in human leukemias detected by synthetic oligonucleotide probes. Nishida J, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):870-5

Genomic clone of hst with transforming activity from a patient with acute leukemia. Yoshida T, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):1019-24

Hypermethylation of the 5' region of the calcitonin gene is a property of human lymphoid and acute myeloid malignancies. Baylin SB, et al. **Blood** 1987 Aug;70(2):412-7

Human acute unclassified leukemia with a unique t(4;17) chromosomal translocation expresses T lymphoid and myeloid surface antigens after in vitro culture. Ganser A, et al. **Blood** 1987 Jan;69(1):271-7

Immunoglobulin and T cell receptor gene rearrangements in human lymphoma and leukemia. Williams ME, et al. **Blood** 1987 Jan;69(1):79-86

Acute leukemia with chromosome translocation (4;11): 7 new patients and analysis of 71 cases. Lampert F, et al. **Blut** 1987 Jun;54(6):325-35

Mitozantrone-induced toxicity and DNA strand breaks in leukaemic cells. Ho AD, et al. **Br J Haematol** 1987 Jan; 65(1):51-5

Cytogenetic characteristics of therapy-related acute nonlymphocytic leukaemia, preleukaemia and acute myeloproliferative syndrome: correlation with clinical data for 61 consecutive cases. Pedersen-Bjergaard J, et al. **Br J Haematol** 1987 Jun;66(2):199-207

Monosomy 7 and acute mixed leukemia [letter] Sanz GF, et al. **Br J Haematol** 1986 Dec;64(4):842-4

Infants with Down's syndrome. Use of cytogenetic studies and in vitro colony assay for granulocyte progenitor to distinguish acute nonlymphocytic leukemia from a transient myeloproliferative disorder. de Alarcon PA, et al. **Cancer** 1987 Sep 1;60(5):987-93

Detection of hepatitis B virus DNA sequences in bone marrow of children with leukemia. Pontisso P, et al. **Cancer** 1987 Jan 15;59(2):292-6

Therapy-related acute nonlymphocytic leukemia with inversion of chromosome 16 and a sustained remission. Baglin TP, et al. **Cancer Genet Cytogenet** 1987 Jul; 27(1):167-9

Leukemic transformation in patients with the 5q- alteration: analysis of the behavior of the 5q- clones in preleukemic to leukemic phases. Benitez J, et al. **Cancer Genet Cytogenet** 1987 Jun;26(2):199-207

Frequency of constitutional chromosome alterations in patients with hematologic neoplasias. Benitez J, et al. **Cancer Genet Cytogenet** 1987 Feb;24(2):345-54

Prognostic significance of chromosomal abnormalities in acute nonlymphocytic leukemia: a study of 343 patients. Berger R, et al. **Cancer Genet Cytogenet** 1987 Oct; 28(2):293-9

In vitro differentiation of a null-acute leukemia: T-lymphoid surface antigen expression associated with rearrangement in T-cell receptor beta chain variable genes. Boehm TL,

et al. **Cancer Genet Cytogenet** 1987 Oct;28(2):327–34

Translocation (6;9)(p23;q34) in smoldering leukemia and acute nonlymphocytic leukemia. Fonatsch C, et al. **Cancer Genet Cytogenet** 1987 Jun;26(2):363–8

Risks of hematologic malignancy with constitutional chromosome abnormalities [editorial] Hecht F. **Cancer Genet Cytogenet** 1987 Feb;24(2):375–7

Tetrasomy of chromosome 8: an interesting and rare cytogenetic phenomenon in acute nonlymphocytic leukemia. Jani Sait SN, et al. **Cancer Genet Cytogenet** 1987 Aug;27(2):269–71

Consistent chromosomal changes in Chinese patients with acute nonlymphocytic leukemia [letter] Li YS, et al. **Cancer Genet Cytogenet** 1987 Jun;26(2):379–80

The activity of nucleolar organizer regions of human bone marrow cells studied with silver staining. II. Acute leukemia. Mamaev NN, et al. **Cancer Genet Cytogenet** 1987 Mar;25(1):65–72

Constitutional translocation t(3;6)(p14;p11) in a family with hematologic malignancies. Markkanen A, et al. **Cancer Genet Cytogenet** 1987 Mar;25(1):87–95

Cytogenetic study of circulating blasts in leukemias. Michalová K, et al. **Cancer Genet Cytogenet** 1987 Apr; 25(2):329–39

Heritable fragile sites and cancer: fra(16)(q22) in lymphocytes of an acute nonlymphocytic leukemia patient with inv(16)(p13q22). Murata M, et al. **Cancer Genet Cytogenet** 1987 Mar;25(1):81–6

Trisomy 4: another specific anomaly in acute nonlymphocytic leukemia. Prieto F, et al. **Cancer Genet Cytogenet** 1987 May; 26(1):171–3

Localization of the human c-mos gene by in situ hybridization in two cases of acute nonlymphocytic leukemia type M2. Rosendorff J, et al. **Cancer Genet Cytogenet** 1987 Jan;24(1):137–41

A t(1;11) in acute nonlymphocytic leukemia FAB type M4. Sait SN, et al. **Cancer Genet Cytogenet** 1987 Jan;24(1):181–3

Trisomy 4: an entity within acute nonlymphocytic leukemia. Sandberg AA, et al. **Cancer Genet Cytogenet** 1987 May; 26(1):117–25

Nonrandom chromosomal aberrations and clonal chromosomal evolution in acute leukemia associated with Down's syndrome. Wang N, et al. **Cancer Genet Cytogenet** 1987 Sep;28(1):155–62

Cytogenetic analyses in 89 patients with secondary hematologic disorders—results of a cooperative study. Zaccaria A, et al. **Cancer Genet Cytogenet** 1987 May; 26(1):65–74

Chromosome studies in patients with acute nonlymphocytic or acute lymphocytic leukemia submitted to bone marrow transplantation—results of a European cooperative study. Zaccaria A, et al. **Cancer Genet Cytogenet** 1987 May; 26(1):51–8

The cellular ets genes: molecular biology and clinical implications in human leukemias. Papas TS, et al. **Cancer Invest** 1986;4(6):555–74 (54 ref.)

Expression of growth-regulated genes in human acute leukemias. Ferrari S, et al. **Cancer Res** 1986 Oct; 46(10):5162–6

Assignment of the GM-CSF, CSF-1, and FMS genes to human chromosome 5 provides evidence for linkage of a family of genes regulating hematopoiesis and for their involvement in the deletion (5q) in myeloid disorders. Le Beau MM, et al. **Cold Spring Harbor Symp Quant Biol** 1986; 51 Pt 2:899–909

Molecular genetics of antigen receptors and associated chromosomal abnormalities in human leukemias. Rabbitts TH, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:923–30

Chromosomal changes in secondary leukemias of childhood and young adulthood. Bernstein ML, et al. **CRC Crit Rev Oncol Hematol** 1986;5(4):325–60 (173 ref.)

The technique of premature chromosome condensation to study the leukemic process: review and speculations. Hittelman WN. **CRC Crit Rev Oncol Hematol** 1986; 6(2):147–221 (227 ref.)

Molecular genetics of human B-cell neoplasia. Tsujimoto Y, et al. **Curr Top Microbiol Immunol** 1986;132:183–92

Constitutional translocations and predisposition to T- and B-cell malignancies. Pathak S. **Cytogenet Cell Genet** 1986; 43(3–4):223–5

Familial malignant blood disease in the country of Jämtland, Sweden. Eriksson M, et al. **Eur J Haematol** 1987 Mar; 38(3):241–5

Spontaneous abortions in sibship of children with congenital malformation or malignant disease. Spira A, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Apr;9(2):89–95

Chromosome patterns of relapses following allogeneic bone marrow transplantation for acute non-lymphocytic leukemia. Description of three cases. Rosti G, et al. **Haematologica (Pavia)** 1987 Mar–Apr;72(2):111–4

Proto-oncogene activation in human hematologic malignancies. Saglio G, et al. **Haematologica (Pavia)** 1986 Nov–Dec;71(6):497–509 (145 ref.)

Case report of a t(4;11)—associated acute leukemia. Zaccaria A, et al. **Haematologica (Pavia)** 1986 Nov–Dec;71(6):481–3

Modification of tRNA and its applicability for the assessment of prognosis, state of differentiation, and clonality in human leukemias and lymphomas. Emmerich B, et al. **Hamatol Bluttransfus** 1987;30:241–50

Prognostic meaning of chromosome aberrations in acute lymphocytic leukemia and acute nonlymphocytic leukemia patients of the BFM Study Group. Harbott J, et al. **Hamatol Bluttransfus** 1987;30:497–503

Immunoglobulin and T cell receptor gene rearrangements in acute leukemias. Raghavachar A, et al. **Hamatol Bluttransfus** 1987;30:251–5

Prognostic significance of chromosome changes in acute leukemia. Sandberg AA. **Hamatol Bluttransfus** 1987; 30:15–20

Interleukin 1 gene expression in adult T cell leukemia. Wano Y, et al. **J Clin Invest** 1987 Sep;80(3):911–6

Chromosomal translocations in secondary leukemias [letter] Bernstein ML. **J Clin Oncol** 1987 Feb;5(2):318

Isotype switching in human B lymphocyte malignancies occurs by DNA deletion: evidence for nonspecific switch recombination. Borzillo GV, et al. **J Immunol** 1987 Aug 15;139(4):1326–35

Comparison of T cell receptor gene rearrangements in patients with large granular T cell leukemia and Felty's syndrome. Freimark B, et al. **J Immunol** 1987 Mar 15; 138(6):1724–9

Genotypic analysis of lymph node biopsies. O'Connor NT. **J Pathol** 1987 Mar;151(3):185–90 (40 ref.)

Determination of chromosomal area of double minute chromosomes and a homogeneously staining region in HL-60 human leukemia cells by the use of a color image analyzer. Misawa S, et al. **Jiarui Idengaku Zasshi** 1986 Sep; 31(3):297–307

Heterogeneity of acute undifferentiated leukemia at the immunoglobulin and T-cell receptor genes level. Hara J, et al. **Jpn J Cancer Res** 1987 Feb;78(2):170–5

T cell receptor beta chain gene rearrangements in leukemias with immature T cell phenotype. Suzuki H, et al. **Jpn J Cancer Res** 1986 Nov;77(11):1069–73

Increased expression of oncogene c-Ha-ras during granulocytic differentiation of HL60 cells. Studzinski GP, et al. **Lab Invest** 1987 May;56(5):499–504

Elevation of c-abl-mRNA in human leukemic B lymphoblasts. de Kretser T, et al. **Leuk Res** 1986; 10(12):1391–9

Concomitant rearrangements of T-cell beta- and gamma-chain genes in childhood T-lineage leukemia/lymphoma. Ha-Kawa K, et al. **Leuk Res** 1987; 11(8):739–45

Chromosome characteristics of therapy-related acute non-lymphocytic leukemia and preleukemia: possible implications for pathogenesis of the disease. Pedersen-Bjergaard J, et al. **Leuk Res** 1987;11(4):315–8 (33 ref.)

Multiple chromosome abnormalities in a drug resistant TdT positive B-cell leukemia. Secker-Walker L, et al. **Leuk Res** 1987;11(2):155–61

Hematopoietic growth and differentiation factors and the reversibility of malignancy: cell differentiation and by-passing of genetic defects in leukemia. Sachs L. **Med Oncol Tumor Pharmacother** 1986;3(3–4):165–76 (86 ref.)

DNA rearrangements in human B- and T-cell malignancies. Smith CI, et al. **Med Oncol Tumor Pharmacother** 1986; 3(3–4):153–7 (40 ref.)

Rearrangements of T-cell receptor beta-chain genes in human leukaemias. Kumar S, et al. **Mol Immunol** 1986 Dec; 23(12):1349–56

Cytogenetics of leukemia and lymphoma. Chaganti RS. **Monogr Pathol** 1987;(29):184–203 (87 ref.)

Oncogene activation in hematopoietic malignancies. Sherr CJ, et al. **Monogr Pathol** 1987;(29):225–48 (191 ref.)

Chromosome and oncogene rearrangements in leukemia and lymphoma. Yunis JJ. **Monogr Pathol** 1986;(27):91–6

Gene patterns of immunoglobulin heavy chain in various cell lines and lymphoid malignancies. Miwa H, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Sep;49(6):1188–94

The c-myc expression in childhood leukemia and lymphoma. Sunami S, et al. **Nippon Ketsueki Gakkai Zasshi** 1987 Feb; 50(1):109–13

Cytogenetic studies in secondary leukemia: statistical analysis. De Braekeleer M. **Oncology** 1986;43(6):358–63

DNA segment containing C beta 1, a gene for the constant region of the beta chain of the T-cell antigen receptor, was inserted into chromosome 6 in cells from one patient with human T-cell leukemia. Ino T, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4264–7

Assignment of CSF-1 to 5q33.1: evidence for clustering of genes regulating hematopoiesis and for their involvement in the deletion of the long arm of chromosome 5 in myeloid disorders. Pettenati MJ, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2970–4

T-cell chronic lymphocytic leukaemias and T-cell lymphoma-leukaemia: heterogeneity and anomalous cell markers. Spiers AS, et al. **Scand J Haematol** 1986 Nov; 37(5):421–4

Relationship between the c-myb locus and the 6q-chromosomal aberration in leukemias and lymphomas. Barletta C, et al. **Science** 1987 Feb 27;235(4792):1064–7

A common mechanism of chromosomal translocation in T- and B-cell neoplasia. Finger LR, et al. **Science** 1986 Nov 21;234(4779):982–5

Chromosome translocations in B and T cell neoplasias. Showe LC, et al. **Semin Hematol** 1986 Oct;23(4):237–44 (52 ref.)

Proto-oncogene transcript levels and acute nonlymphocytic leukemia. Preisler HD, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):207–16

[HLA markers in leukemia patients] Jeannet M, et al. **Pathol Biol (Paris)** 1986 Jun;34(6):747–52 (Eng. Abstr.) **(Fre)**

[Expression of class I and class II markers on populations of leukemic cells] Tongio MM, et al. **Pathol Biol (Paris)** 1986 Jun;34(6):753–7 (Eng. Abstr.) **(Fre)**

[Oncogenes and neoplasms in children: hemo-lymphoproliferative diseases. II] Tonini GP, et al. **Minerva Pediatr** 1986 Oct 15;38(19):813–8 (Eng. Abstr.) **(Ita)**

[Interaction of cancer family history and environmental factors in the risk of cancer—with special reference to childhood malignancies] Hirayama T. **Gan No Rinsho** 1987 Apr;33(5 Suppl):560–6 (Eng. Abstr.) **(Jpn)**

[Chromosome instability and cancer] Murata M. **Gan No Rinsho** 1987 Apr;33(5 Suppl):581–6 (Eng. Abstr.) **(Jpn)**

[Genetic epidemiology of the familial aggregation of human leukemia] Tsunematsu Y. **Gan No Rinsho** 1987 Apr;33(5 Suppl):515–21 (24 ref.) (Eng. Abstr.) **(Jpn)**

[Familial accumulation of anti-ATLA antibodies in an non-endemic area] Morimatsu S, et al. **Kansenshogaku Zasshi** 1986 Mar;60(3):217–21 (Eng. Abstr.) **(Jpn)**

[Chromosome translocation in hemopoietic tumor and oncogene activation] Sakurai M. **Tanpakushitsu Kakusan Koso** 1986 Oct;31(12):1109–15 (14 ref.) **(Jpn)**

[Chromosome aberrations in leukemia] Raimondi SD, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1985;43(1):46–8, 57–2 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Presence of antibodies against adult T cell leukemia antigen in the patients with chronic respiratory diseases. Kimura I, et al. **Acta Med Okayama** 1986 Dec;40(6):281–4

The interleukin-2 receptor on normal and malignant lymphocytes. Waldmann TA. **Adv Exp Med Biol** 1987; 213:129–37

Surface marker expression of human B-cell lymphomas. Ishii Y, et al. **AIDS Res** 1986 Dec;2 Suppl 1:S87–93

Impairment of T-cell control of Epstein-Barr virus infected B-cells in patients with adult T-cell leukemia. Katsuki T, et al. **AIDS Res** 1986 Dec;2 Suppl 1:S125–30

OKB7 recognizes antigen on T-cell malignancies. Ahmed S, et al. **Am J Clin Pathol** 1987 Mar;87(3):383–5

In vitro induction of myeloid surface markers in a rare case of acute leukemia. Drexler HG, et al. **Am J Hematol** 1987 Aug;25(4):441–8

Antigenic phenotype of the myeloid leukaemic cells defined by monoclonal antibodies. Robak T, et al. **Arch Immunol Ther Exp (Warsz)** 1987;35(1):33–42

Analysis of CD1 molecules on thymus cells and leukemic T lymphoblasts identifies discrete phenotypes and reveals that CD1 intermolecular complexes are observed only on normal cells. Amiot M, et al. **Blood** 1987 Sep;70(3):676–85

HLA associations with leukemia. Bortin MM, et al. **Blood** 1987 Jul;70(1):227–32

In vitro tests that predict tumor-associated idiotype levels in the serum of patients with B cell lymphomas and leukemias. Miller RA, et al. **Blood** 1987 Apr;69(4):1249–54

Surface markers in acute non-lymphoid leukemia: analysis with a panel of 36 monoclonal antibodies. Campos L, et al. **Blut** 1987 Feb;54(2):65–71

A monoclonal antibody to the heavy chain of human IgM with a particular reaction pattern in human B-cell malignancies. Henke M, et al. **Blut** 1987 Sep;55(3):173–9

Generation of non MHC restricted killing in non-cytotoxic T-lymphocytes from leukaemia patients. Matera L, et al. **Br J Haematol** 1987 Feb;65(2):151–7

Human leukemia-derived cell lines and clones as models for mechanistic analysis of natural killer cell-mediated cytotoxicity. Zarcone D, et al. **Cancer Res** 1987 May 15; 47(10):2674–82

Transduction of signals in the activation of T lymphocytes: relation to leukemia. Hadden JW. **Clin Physiol Biochem** 1987;5(3–4):210–21

Rearrangement of immunoglobulin heavy chain genes in human T leukaemic cells shows preferential utilization of the D segment (DQ52) nearest to the J region. Mizutani S, et al. **EMBO J** 1986 Dec 20;5(13):3467–73

Expression of a B-lymphoid differentiation antigen (CD 19) on acute non-lymphoblastic leukaemia cells. Campos L, et al. **Eur J Haematol** 1987 Mar;38(3):220–4

New monoclonal antibodies SN3, SN3a, and SN3b directed to sialic acid of glycoprotein on human non-T leukemia cells. Fukukawa T, et al. **Exp Hematol** 1986 Oct;14(9):850–5

Expression of CD-15 antigen on leukemic cells—a new prognostic factor for ability to achieve complete remission and for survival in ANLL. Hołowiecki J, et al. **Hamatol Bluttransfus** 1987;30:361–4

Immunological competence of patients in remission from acute leukaemia: apparently normal T cell function but defective pokeweed mitogen-driven immunoglobulin synthesis. Ashman LK, et al. **Immunol Cell Biol** 1987 Apr; 65 (Pt 2):201–10

Characterization of PHA and anti-T3 induced transduction mechanisms in a human T-cell leukaemia line. Ng J, et al. **Int J Immunopharmacol** 1987;9(1):17–22

Cell surface expression of beta 2-microglobulin (beta 2m) correlates with stages of differentiation in B cell tumours.

Jones RA, et al. **J Clin Pathol** 1987 May;40(5):486–9

HLA class I and class II antigen associations in acute leukaemias. Navarrete C, et al. **J Immunogenet** 1986 Apr–Jun;13(2–3):77–84

Induction of NK cell activity against fresh human leukemia in culture with interleukin 2. Lotzová E, et al. **J Immunol** 1987 Apr 15;138(8):2718–27

A rapid, simple method for leukemia immunophenotyping using air–dried blood and bone marrow smears. Lowenthal RM, et al. **J Immunol Methods** 1986 Oct 23;93(1):19–27

Selective loss of expression of a tumor–associated antigen on a human leukemia cell line induced by treatment with monoclonal antibody and complement. Gee AP, et al. **JNCI** 1987 Jan;78(1):29–35

Effect of 1 alpha,25–dihydroxyvitamin D3 on proliferation of activated T–cells and established human lymphotropic virus type I–positive T–cell lines. Nakao Y, et al. **JNCI** 1987 Jun;78(6):1079–86

Expression of the non–T ALL–associated p24 antigen on leukaemic blasts from patients with ANLL. Ashman LK, et al. **Leuk Res** 1987;11(1):97–101

Immunologic markers for acute leukemia: a morphologist's perspective. Brunning RD, et al. **Monogr Pathol** 1987; (29):124–60 (158 ref.)

Antibodies against the acetylcholine receptor in hematologic disorders: implications for the development of myasthenia gravis after bone marrow grafting [letter] Lefvert AK, et al. **N Engl J Med** 1987 Jul 16;317(3):170

Complete suppression of in vivo growth of human leukemia cells by specific immunotoxins: nude mouse models. Hara H, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3390–4

Distinct human leukemia–associated cell surface glycoprotein GP160 defined by monoclonal antibody SN6. Haruta Y, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7898–902

Coexpression of T– and B–markers in a lymphoproliferative disorder. San Miguel JF, et al. **Scand J Haematol** 1986 Jul;37(1):10–7

Cell surface markers in hematologic malignancies. Freedman AS, et al. **Semin Oncol** 1987 Jun;14(2):193–212 (196 ref.)

Effector cells of graft–versus–host disease, host resistance, and the graft–versus–leukemia effect: summary of a workshop on bone marrow transplantation. Ringdén O, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2758–61

[Seroreactions to cytomegaloviruses and herpes simplex viruses in children with leukemia and malignant lymphoma] Polák J, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1984;27(4):369–75 (Eng. Abstr.) **(Cze)**

[Serological study of the antibody to the adult T–cell leukemia–virus–associated antigen in various hematological diseases] Toki H, et al. **Gan No Rinsho** 1986 Dec; 32(15):1970–3 (Eng. Abstr.) **(Jpn)**

[Lymphocyte cytotoxicity against autologous tumor cells and the effect of interferon–beta on their activities. (1) Evaluation by modification of target tumor cells] Ezaki K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1240–5 (Eng. Abstr.) **(Jpn)**

[Lymphocyte cytotoxicity against autologous tumor cells and the effect of interferon–beta on their activities. (2) Evaluation of large granular lymphocytes (LGL)] Ezaki K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1246–51 (Eng. Abstr.) **(Jpn)**

[Surface antigens of several human nonlymphocytic leukemic cell lines and leukemic colony forming units] Miyazaki E, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Nov; 49(7):1347–53 (Eng. Abstr.) **(Jpn)**

[Identification of the cell lineage of lymphoid malignant cells with monoclonal antibodies] Okawa H, et al. **Rinsho Ketsueki** 1987 Jan;28(1):1–8 (Eng. Abstr.) **(Jpn)**

[Thomsen's antigen in the leukocytes of leukemia patients] Berdinskikh MS, et al. **Biull Eksp Biol Med** 1987 Mar; 103(3):334–6 (Eng. Abstr.) **(Rus)**

[Monoclonal antibodies to antigens found on the neutrophils, activated T–lymphocytes and blast cells in human acute leukemia] Miterev GIu, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):710–2 (Eng. Abstr.) **(Rus)**

[Immunoperoxidase method of determining the surface membrane antigens of normal and leukemic cells using Soviet–produced monoclonal antibodies] Gluzman DF, et al. **Eksp Onkol** 1986;8(6):46–9 (Eng. Abstr.) **(Rus)**

[Anti–leukemia resistance and growth–regulating molecules in hematopoietic tissue] Svirnovskiĭ AI. **Eksp Onkol** 1987; 9(2):3–7 (46 ref.) (Eng. Abstr.) **(Rus)**

[Characteristics of the antigenic structure of membranes of malignant cells in patients with acute leukemia] Miterev GIu, et al. **Gematol Transfuziol** 1986 Sep;31(9):15–21 (Eng. Abstr.) **(Rus)**

[A case of erythrophagocytosis by blast cells in children with leukemia] Peterson IS, et al. **Pediatriia** 1986 Jul;(7):71–2 **(Rus)**

[Herpes simplex virus–associated antigen in leukemic cells] Kosiakov PN, et al. **Vopr Virusol** 1986 Sep–Oct; 31(5):587–91 (Eng. Abstr.) **(Rus)**

METABOLISM

Characterization of hematologic malignancies by flow cytometry. Barlogie B, et al. **Anal Quant Cytol Histol** 1987 May;9(2):147–55 (21 ref.)

Phagocytosis of the streptococcal preparation OK–432 (picibanil) by non–phagocytic human leukemia K 562 cells and its modulation by tumor cell differentiation. Rallet A, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):535–40

Purification and characterization of erythroid differentiation factor (EDF) isolated from human leukemia cell line THP–1 [published erratum appears in Biochem Biophys Res Commun 1987 May 14;144(3):1349] Eto Y, et al. **Biochem Biophys Res Commun** 1987 Feb 13; 142(3):1095–103

Antileukemic agent alkyllysophospholipid regulates phosphorylation of distinct proteins in HL60 and K562 cells and differentiation of HL60 cells promoted by phorbol ester. Kiss Z, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):661–6

Arachidonate 5–lipoxygenase inhibitors show potent antiproliferative effects on human leukemia cell lines. Tsukada T, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):832–6

Neutrophil elastase produces 52–kD and 30–kD glucocorticoid receptor fragments in the cytosol of human leukemia cells. Distelhorst CW, et al. **Blood** 1987 Sep; 70(3):860–8

Characterization of glucocorticoid receptors and glucocorticoid receptor mRNA in human leukemia cells: stabilization of the receptor by diisopropylfluorophosphate. Distelhorst CW, et al. **Blood** 1987 Mar;69(3):750–6

Glucocorticoid receptors in acute leukemia. Federico MH, et al. **Braz J Med Biol Res** 1986;19(2):167–72

Tissue factor activity in leukemia cells. Special reference to disseminated intravascular coagulation. Andoh K, et al. **Cancer** 1987 Feb 15;59(4):748–54

9–beta–D–arabinofuranosyl–2–fluoroadenine 5'–monophosphate pharmacokinetics in plasma and tumor cells of patients with relapsed leukemia and lymphoma. Danhauser L, et al. **Cancer Chemother Pharmacol** 1986; 18(2):145–52

Saturation of 1–beta–D–arabinofuranosylcytosine 5'–triphosphate accumulation in leukemia cells during high–dose 1–beta–D–arabinofuranosylcytosine therapy. Plunkett W, et al. **Cancer Res** 1987 Jun 1;47(11):3005–11

Development of an assay system for the detection and classification of methotrexate resistance in fresh human leukemic cells. Rodenhuis S, et al. **Cancer Res** 1986 Dec; 46(12 Pt 1):6513–9

Rate and time of DNA synthesis of human leukaemic blasts in bone marrow and peripheral blood. Ucci G, et al. **Cell Tissue Kinet** 1986 Jul;19(4):429–35

Difluoromethylornithine enhances the uptake of methylglyoxal–bis(guanylhydrazone) prior to inhibiting leukemic cell proliferation. Maddox AM, et al. **Chemotherapy** 1987;33(2):110–22

Biochemical aspects of acute leukaemia. Hoffbrand AV, et al. **Clin Haematol** 1986 Aug;15(3):669–94 (114 ref.)

Biosynthesis and metabolism of pterins in peripheral blood mononuclear cells and leukemia lines of man and mouse. Schoedon G, et al. **Eur J Biochem** 1987 Jul 15;166(2):303–10

Differences in cleavage of untreated and adriamycin–treated chromatin from normal and leukemic human cells by site non–specific endoribonucleases [letter] Chen SG, et al. **Eur J Cancer Clin Oncol** 1986 Dec;22(12):1533–7

(3H)ouabain binding to leukaemic cells and intralymphocytic sodium content in chronic lymphocytic leukaemia; no evidence for alterations of the Na+/K+–pump. Berntorp E, et al. **Eur J Haematol** 1987 Jan;38(1):31–8

Specific uptake of alpha–fetoprotein by malignant human lymphoid cells. Laborda J, et al. **Int J Cancer** 1987 Sep 15;40(3):314–8

The probable role of superoxide produced by blast cells in leukaemic cutaneous spreading. Mazzone A, et al. **Int J Tissue React** 1986;8(6):493–6

Cyclic AMP, prostaglandins and leukaemia: relevance to lithium–induced leukaemia [letter] Das UN. **J Assoc Physicians India** 1986 Sep;34(9):672

Separation of 1–beta–D–arabinofuranosylcytosine 5'–triphosphate and 9–beta–D–arabinofuranosyl–2–fluoroadenine 5'–triphosphate in human leukemia cells by high–performance liquid chromatography. Gandhi V, et al. **J Chromatogr** 1987 Jan 23;413:293–9

Use of [3H]cortivazol to characterize glucocorticoid receptors in a dexamethasone–resistant human leukemic cell line. Schlechte JA, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):441–6

Membrane transport influences the rate of accumulation of cytosine arabinoside in human leukemia cells. White JC, et al. **J Clin Invest** 1987 Feb;79(2):380–7

The antiglucocorticoid, cortexolone, fails to promote in vitro activation of cytoplasmic glucocorticoid receptors from the human leukemic cell line CEM–C7. Schmidt TJ, et al. **J Steroid Biochem** 1987 Mar;26(3):329–36

Induction of insulin receptor expression of human leukemic cells by 1 alpha, 25 dihydroxyvitamin D3. Chaplinski TJ, et al. **Leuk Res** 1987;11(1):37–41

In–vitro studies on phosphorylation and dephosphorylation of cytosine arabinoside in human leukemic cells. Muus P, et al. **Leuk Res** 1987;11(4):319–25

Human leukemic cells: receptor binding and biological effects of insulin and insulin–like growth factors. Vetter U, et al. **Leuk Res** 1986;10(10):1201–7

Effects of 5–bromo–2'–deoxyuridine on arachidonic acid metabolism of neuroblastoma and leukemia cells in culture: a possible role of endogenous prostaglandins in tumor cell proliferation and differentiation. Tsunamoto K, et al. **Prostaglandins Leukotrienes Med** 1987 Feb;26(2):157–69

Distinct histamine–induced cyclic AMP synthesis in acute leukemia. Maurer WM, et al. **Scand J Haematol** 1986 Nov; 37(5):438–42

Studies of ara–C metabolism in acute leukemia. Ross DD, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):182–91

[Changes in the DNA content of bone marrow cells in blood disease] Zhang MM. **Chung–hua Ping Li Hsueh Tsa Chih** 1986 Jun;15(2):133–5 (Eng. Abstr.) **(Chi)**

[Changes in hemoglobin and ferritin biosynthesis in leukemias detected by Mössbauer spectroscopy] Mints RI, et al. **Eksp Onkol** 1987;9(1):53–7 (Eng. Abstr.) **(Rus)**

[Polyamine levels and biosynthesis in leukocytes during leukemic transformation] Saltykova LB, et al. **Eksp Onkol** 1987;9(2):18–21 (Eng. Abstr.) **(Rus)**

[Various aspects of porphyrin metabolism in malignant blood diseases] Atanasov KK, et al. **Gematol Transfuziol** 1986 Aug;31(8):16–8 (Eng. Abstr.) **(Rus)**

[Importance of metabolic abnormalities in the management of patients with non–lymphoblastic leukemia] Marazuela M, et al. **Med Clin (Barc)** 1987 May 16;88(19):750–3 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Increased susceptibility of peripheral mononuclear cells of leukemic patients to HTLV–I infection in vitro. Graziani G, et al. **Blood** 1987 Apr;69(4):1175–81

Bacteriological data on a prospective multicenter study of the effect of two different regimens for selective decontamination in patients with acute leukaemia. van der Waaij D, et al. **Infection** 1986 Nov–Dec;14(6):268–74

Antibodies to HTLV–I in Nigerian blood–donors, their relatives and patients with leukaemias, lymphomas and other diseases. Fleming AF, et al. **Int J Cancer** 1986 Dec 15;38(6):809–13

An EBV genome carrying pre–B cell leukemia in a homosexual man with characteristic karyotype and impaired EBV–specific immunity. Ernberg I, et al. **J Clin Oncol** 1986 Oct;4(10):1481–8

Monoclonal radioimmunoassay for hepatitis B surface antigen in sera of children with acute leukemia. Locasciulli A, et al. **J Med Virol** 1986 Oct;20(2):101–4

Antibodies to human immuno–deficiency virus and human T–cell leukemia virus type I in Japanese patients with hematologic malignancies. Tobinai K, et al. **Jpn J Cancer Res** 1986 Dec;77(12):1207–10

Establishment of bovine leukemia virus–producing and –nonproducing B–lymphoid cell lines and their proviral genomes. Itohara S, et al. **Leuk Res** 1987;11(5):407–14

HTLV: the family of human T–lymphotropic retroviruses and their role in leukemia and AIDS. Gallo RC. **Med Oncol Tumor Pharmacother** 1986;3(3–4):265–7 (18 ref.)

[Bacteriological study on autopsy cases with hematological malignancies, particularly the increased isolation of fungus and gram–positive cocci] Moriuchi Y, et al. **Rinsho Ketsueki** 1986 Nov;27(11):2085–93 (Eng. Abstr.) **(Jpn)**

MORTALITY

Pitfalls in the evaluation of prognostic factors. Messerer D, et al. **Hamatol Bluttransfus** 1987;30:308–12

Benzene and leukemia. An epidemiologic risk assessment. Rinsky RA, et al. **N Engl J Med** 1987 Apr 23; 316(17):1044–50

[Clinical courses of 13 cases of long–term survivors after allogeneic bone marrow transplantation] Tahara T, et al. **Rinsho Ketsueki** 1987 Feb;28(2):220–7 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Seroepidemiology of adult T–cell leukemia virus (HTLV–I/ATLV): origin of virus carriers in Japan. Hinuma Y. **AIDS Res** 1986 Dec;2 Suppl 1:S17–22

A possible epidemiological association between multiple sclerosis and lymphoma/leukaemia [letter] Bernard SM, et al. **Br J Haematol** 1987 Jan;65(1):122–3

New evidence on childhood leukaemia and nuclear establishments [editorial] Black D. **Br Med J [Clin Res]** 1987 Mar 7;294(6572):591–2

Fallout, radiation doses near Dounreay, and childhood leukaemia. Darby SC, et al. **Br Med J [Clin Res]** 1987 Mar 7;294(6572):603–7

Childhood leukaemia in the West Berkshire and Basingstoke and North Hampshire District Health Authorities in relation to nuclear establishments in the vicinity. Roman E, et al. **Br Med J [Clin Res]** 1987 Mar 7;294(6572):597–602

French registry of acute leukemia and myelodysplastic syndromes. Age distribution and hemogram analysis of the 4496 cases recorded during 1982–1983 and classified according to FAB criteria. Groupe Francais de Morphologie Hematologique. **Cancer** 1987 Sep 15; 60(6):1385–94

A temporal cluster of acute leukaemia [letter] Gorst DW, et al. **Clin Lab Haematol** 1987;9(2):211–3

The validity of a cancer register in leukaemia epidemiology. Bowie C. **Community Med** 1987 May;9(2):152–9

The effect of BCG–vaccination and tuberculosis on the risk of leukaemia. Härö AS. **Dev Biol Stand** 1986;58 (Pt A):433–49

Leukaemia in young persons in Scotland: a study of its geographical distribution and relationship to nuclear installations. Heasman MA, et al. **Health Bull (Edinb)** 1987

May;45(3):147–51

Leukemia, lymphoma, and multiple myeloma in Alaskan natives. Alberts SR, et al. **JNCI** 1987 May;78(5):831–7

Spatial distribution of disease: three case studies. Selvin S, et al. **JNCI** 1987 Sep;79(3):417–23

A cohort study on second malignancies in gastrectomized patients with gastric cancer. I. Second malignancies other than cancer of the gastric remnant. Hirono M, et al. **Jpn J Surg** 1986 Sep;16(5):336–43

A bibliography of the leukaemias in Africa, 1904–1985. Fleming AF. **Leuk Res** 1986;10(11):1353–65

Recent advances in the epidemiology of leukemia and lymphoma. Miller RW. **Monogr Pathol** 1987;(29):81–7 (25 ref.)

Incidence of hematopoietic malignancies in a well-defined population in France. Carli PM, et al. **Oncology** 1986; 43(6):354–7

Review of leukemia, lymphoma, and myeloma before and after the TMI accident. Berkheiser SW. **Pa Med** 1986 Oct; 89(10):50–2

PATHOLOGY

Variations in morphological and immunological blast cell phenotype in a case of acute leukaemia with t(4;11) translocation. Campos L, et al. **Acta Haematol (Basel)** 1986; 76(2–3):169–72

Proliferative characteristics of acute nonlymphocytic leukemia in vivo. Raza A, et al. **Acta Haematol (Basel)** 1987;77(3):140–5

Prognostic significance of in vitro marrow culture growth pattern in untreated acute nonlymphocytic leukemia. Shih LY, et al. **Acta Haematol (Basel)** 1986;76(1):20–4

Bone marrow plasmocytosis in acute leukemia. Stul MS, et al. **Acta Haematol (Basel)** 1987;77(3):146–9

Serum-free cultivation of lymphoid cells. Bjare U. **Adv Biochem Eng Biotechnol** 1987;34:95–109 (151 ref.)

Analysis of cell cycle characteristics and course of the disease in ANLL. Raza A, et al. **Am J Hematol** 1987 Jan; 24(1):65–75

Acute nonlymphocytic leukemia (M7 subtype) with erythrocytic internalization. Woessner S, et al. **Am J Hematol** 1986 Nov;23(3):289–94

Testicular biopsy in children with leukemia and cryptorchidism: is confirmatory biopsy of undescended testis necessary? Kim TH, et al. **Am J Pediatr Hematol Oncol** 1985 Summer;7(2):205–8

Main autopsy findings in bone marrow transplant patients. Bombí JA, et al. **Arch Pathol Lab Med** 1987 Feb; 111(2):125–9

The bone marrow biopsy: a diagnostic strategy [letter] Head DR, et al. **Arch Pathol Lab Med** 1986 Dec;110(12):1120–1

Chloroquine enhancement of anticancer drug cytotoxicity in multiple drug resistant human leukemic cells. Zamora JM, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4303–10

Deoxycytidine preferentially protects normal versus leukemic myeloid progenitor cells from cytosine arabinoside-mediated cytotoxicity. Bhalla K, et al. **Blood** 1987 Aug;70(2):568–71

Bipotential cell differentiation of KU–812: evidence of a hybrid cell line that differentiates into basophils and macrophage–like cells. Fukuda T, et al. **Blood** 1987 Sep; 70(3):612–9

Malignant clonal expansion of large granular lymphocytes with a Leu–11+, Leu–7– surface phenotype: in vitro responsiveness of malignant cells to recombinant human interleukin 2. Koizumi S, et al. **Blood** 1986 Nov; 68(5):1065–73

Growth factor requirements of childhood acute leukemia: establishment of GM–CSF–dependent cell lines. Lange B, et al. **Blood** 1987 Jul;70(1):192–9

Effect of recombinant human tumor necrosis factor on the colony growth of human leukemia progenitor cells and normal hematopoietic progenitor cells. Murase T, et al. **Blood** 1987 Feb;69(2):467–72

An analysis of leukemic cell chromosomal features in infants. Pui CH, et al. **Blood** 1987 May;69(5):1289–93

Differences in cell cycle characteristics among patients with acute nonlymphocytic leukemia. Raza A, et al. **Blood** 1987 Jun;69(6):1647–53

Leukemic blast cell colony formation in semisolid culture with erythropoietin: a case report of acute poorly differentiated erythroid leukemia. Tomonaga M, et al. **Blood** 1987 Feb;69(2):546–52

In vitro exposure of leukemic cells to low concentration Arabinosyl Cytosine: no evidence of differentiation inducing activity. Motta MR, et al. **Blut** 1987 May; 54(5):299–306

Detection of cells of megakaryocyte lineage in haematological malignancies by immuno–alkaline phosphatase labelling cell smears with a panel of monoclonal antibodies. Erber WN, et al. **Br J Haematol** 1987 Jan;65(1):87–94

Immunohistochemical determination of growth fractions in human permanent cell lines and lymphoid tumours: a critical comparison of the monoclonal antibodies OKT9 and Ki–67. Pileri S, et al. **Br J Haematol** 1987 Mar; 65(3):271–6

Acute leukemia occurring 19 years after treatment of acute lymphoblastic leukemia. Reynoso EE, et al. **Cancer** 1987 Jun 1;59(11):1963–5

Undifferentiated leukemia of infancy with t(11:17) chromosomal rearrangement. Coexpressing myeloid and B cell restricted antigens. Umiel T, et al. **Cancer** 1987 Mar 15;59(6):1143–9

Premature chromosome condensation as a predictive indicator of relapse in children and adolescents with acute leukemia: initial observations. Morse HG, et al. **Cancer Genet Cytogenet** 1987 Jul;27(1):63–72

Methodology of premature chromosome condensation and its potential for relapse prediction in acute leukemia of children and adolescents. Morse HG, et al. **Cancer Genet Cytogenet** 1987 Jul;27(1):51–61

Antiproliferative response of human leukemic cells: lectin induced inhibition of DNA synthesis and cellular metabolism. Borrebaeck CA, et al. **Cancer Res** 1987 Aug 15;47(16):4345–50

Pediatric Oncology Group Study of in vitro clonal growth patterns of leukemic cells in childhood acute nonlymphocytic leukemia as a predictor of induction response. Findley HW Jr, et al. **Cancer Res** 1987 Aug 1; 47(15):4225–8

Folinic acid augmentation of the effects of fluoropyrimidines on murine and human leukemic cells. Keyomarsi K, et al. **Cancer Res** 1986 Oct;46(10):5229–35

Selective enhancement by menadiol of in vitro drug activity in human lymphatic neoplasms. Su YZ, et al. **Cancer Treat Rep** 1987 Jun;71(6):619–25

Synthetic studies of vitamin D3 analogues. VIII. Synthesis of 22–oxavitamin D3 analogues. Murayama E, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4410–3

Rapid detection of leukemia cells by use of a complement–mediated cytolytic reaction and an imaging sensor system. Suzuki M, et al. **Clin Chem** 1987 Apr; 33(4):558–61

Electron microscopy of leukemias and lymphomas. Dickersin GR. **Clin Lab Med** 1987 Mar;7(1):199–247

Histologically proven leukemia cutis carries a poor prognosis in acute nonlymphocytic leukemia. Shaikh BS, et al. **Cutis** 1987 Jan;39(1):57–60

Heterogeneity of TdT+, HLA–DR+ acute leukaemia: immunological, immunocytochemical and clinical evidence of lymphoid and myeloid origin. Basso G, et al. **Eur J Haematol** 1987 Feb;38(2):111–6

Erythrocytic internalization in the most immature leukaemic megakaryocytic precursors [letter] Woessner S, et al. **Eur J Haematol** 1987 Apr;38(4):381–2

CSF cytology of a patient with conversion of an acute lymphatic leukemia to an acute eosinophilic leukemia. Kollegger H, et al. **Eur Neurol** 1986;25(5):320–6

Morphological evidence of an altered bone marrow microenvironment in patients with acute nonlymphoblastic leukemia and myelodysplastic disorders. Payne CM, et al. **Exp Hematol** 1987 Feb;15(2):143–53

CFU–mix are no better than CFU–GM in predicting hemopoietic reconstitutive capacity of peripheral blood stem cells collected in the very early remission phase of acute nonlymphoblastic leukemia. To LB, et al. **Exp Hematol** 1987 May;15(4):351–4

Solid leukemic intracerebral deposits in patients with acute leukemia. Marra R, et al. **Haematologica (Pavia)** 1986 Jul–Aug;71(4):303–6

Cell kinetics in leukemia and preleukemia. Dörmer P, et al. **Hamatol Bluttransfus** 1987;30:3–9

Hypoplastic acute leukemia: review of 70 cases with multivariate regression analysis. Berdeaux DH, et al. **Hematol Oncol** 1986 Oct–Dec;4(4):291–305

Morphometric studies of megakaryocytes in human and rat fetal, infantile and adult hematopoiesis. I. Observations on human fetuses and blood dyscrasias. Izumi T. **Hiroshima J Med Sci** 1987 Mar;36(1):25–30

The leukaemias at presentation: clinical, demographic and cytologic variables. Shome DK, et al. **Indian J Cancer** 1985 Sep;22(3):194–210

Critical color rendition in hematopathology. Bruder LF. **J Biol Photogr** 1982 Jul;50(3):97–100

Photosensitization to ultraviolet irradiation and selective killing of cells following uptake of pyrene–containing fatty acid. Fibach E, et al. **J Cell Sci** 1986 Sep;85:149–59

The control of mediator release from RBL–2H3 cells: roles for Ca2+, Na+, and protein kinase C1. Stump RF, et al. **J Immunol** 1987 Aug 1;139(3):881–6

Humoral regulation of human leukemic progenitor cell cycle: the case for turning off the cell cycle. Park CH. **J Lab Clin Med** 1987 May;109(5):571–4

The cellular composition of human lymph nodes after allogenic bone marrow transplantation: an immunohistological study. Dilly SA, et al. **J Pathol** 1986 Nov;150(3):213–21

Interaction of soybean agglutinin with human leukemia–lymphoma lines at various stages of differentiation. Ben–Bassat H, et al. **Leuk Res** 1987; 11(7):589–95

Clinical significance of human bone marrow stromal cell colonies in acute leukemias. Hirata J, et al. **Leuk Res** 1986; 10(12):1441–5

The predictive value of in–vitro techniques in acute non–lymphocytic leukemia. Shore T, et al. **Leuk Res** 1987; 11(8):687–91

Dye–mediated photolysis of normal and neoplastic hematopoietic cells. Sieber F, et al. **Leuk Res** 1987; 11(1):43–9

Differentiation of blast cells in acute nonlymphocytic leukemia [letter] Fearon ER, et al. **N Engl J Med** 1986 Dec 4;315(23):1483

Clonal development, stem–cell differentiation, and clinical remissions in acute nonlymphocytic leukemia. Fialkow PJ, et al. **N Engl J Med** 1987 Aug 20;317(8):468–73

Electrophoretic mobility patterns of immunologically phenotyped cells in different hemopoietic malignancies. Babušíková O, et al. **Neoplasma** 1986;33(6):713–22

Cytochemical characteristics of leukemic cell colonies from patients with acute non–lymphocytic leukemia. Yamao H, et al. **Nippon Ketsueki Gakkai Zasshi** 1987 Feb;50(1):102–8

The leukemias of childhood. Favara BE, et al. **Perspect Pediatr Pathol** 1987;9:75–132 (147 ref.)

Induction by physiological agents of differentiation of the human leukemia cell line HL–60 to cells with functional characteristics. Breitman TR, et al. **Prog Clin Biol Res** 1986; 226:215–33 (30 ref.)

Immuno–scanning electron microscopy of normal and leukemic leukocytes labeled with colloidal gold. Soligo D, et al. **Scanning Microsc** 1987 Jun;1(2):719–25

Differentiation–linked leukemogenesis in lymphocytes. Greaves MF. **Science** 1986 Nov 7;234(4777):697–704 (98 ref.)

Cell kinetics of leukemia. Andreeff M. **Semin Hematol** 1986 Oct;23(4):300–14 (174 ref.)

Cell cycle and drug sensitivity studies of leukemic cells that appear relevant in determining response to chemotherapy in acute nonlymphocytic leukemia. Raza A, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):217–25

[Prediction of chemotherapeutic response to agents used in acute leukemia with short—term in vitro sensitivity test] Xia YT, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Dec; 25(12):705–8, 774 (Eng. Abstr.) **(Chi)**

[Bone marrow biopsy in children with leukemia. Determination and reduction of pain and fear reactions] van Aken MA, et al. **Tijdschr Kindergeneeskd** 1986 Aug; 54(4):112–8 (Eng. Abstr.) **(Dut)**

[The value of cell cultures in leukemias, aplastic anemias and bone marrow transplantations] Schulze E, et al. **Folia Haematol (Leipz)** 1987;114(1):42–61 (Eng. Abstr.) **(Ger)**

[Interrelation between transferrin receptor expression and intracellular ferritin concentration in leukemia cells and normal marrow cells] Rhyner K, et al. **Schweiz Med Wochenschr** 1986 Oct 25;116(43):1484–7 (Eng. Abstr.) **(Ger)**

[Testicular involvement in childhood leukemia] Kaplinsky C, et al. **Harefuah** 1986 May 1;110(9):431–3 (Eng. Abstr.) **(Heb)**

[Regulation of cell growth by retinoids and gene expression] Hashimoto Y, et al. **Gan To Kagaku Ryoho** 1986 Dec; 13(12):3392–400 (Eng. Abstr.) **(Jpn)**

[Acute mixed leukemia with two cell populations of B lymphoblasts and myeloblasts with Auer bodies: a case report] Horiuchi N, et al. **Rinsho Ketsueki** 1987 Feb; 28(2):261–6 (Eng. Abstr.) **(Jpn)**

[Study on cell kinetics using flow cytometry—analysis of the proliferative phase in acute leukemia] Kanamori H, et al. **Rinsho Ketsueki** 1987 Feb;28(2):187–93 (Eng. Abstr.) **(Jpn)**

[Coexistence of acute leukemia and gastric cancer in advanced ages] Kato Y, et al. **Rinsho Ketsueki** 1987 Apr; 28(4):608–15 (Eng. Abstr.) **(Jpn)**

[Eosinophilic leukemia with myelofibrosis and dysplasia terminating in marked increase of blast cells: a report of an autopsied case] Yamada K, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1964–70 (Eng. Abstr.) **(Jpn)**

[In vitro purification of autologous bone marrow for removal of neoplastic and leukemic cells] Sulek K, et al. **Acta Haematol Pol** 1986 Jul–Dec;17(3–4):154–60 (64 ref.) **(Pol)**

[Comparative evaluation of the proliferative activity of bone marrow cells in various lymphoproliferative diseases and acute leukemia] Biriukova IV, et al. **Gematol Transfuziol** 1987 Jun;32(6):21–4 (Eng. Abstr.) **(Rus)**

[Risk of developing neuroleukemia in adult patients with acute leukemia] Kabasin VI, et al. **Gematol Transfuziol** 1986 Sep;31(9):53–5 **(Rus)**

[Basophilic leukemia] Lobato–Mendizábal E, et al. **Rev Invest Clin** 1987 Jan–Mar;39(1):63–6 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Acute leukemia in infants. A unique pattern of acute nonlymphocytic leukemia. van Wering ER, et al. **Am J Pediatr Hematol Oncol** 1986 Fall;8(3):220–4

Distribution and modulation of surface charges of cells from human leukemia–lymphoma lines at various stages of differentiation. Marikovsky Y, et al. **Cancer** 1986 Nov 15; 58(10):2218–23

Changes in immunoreactive beta–endorphin, methionine–enkephalin and ACTH in bone marrow cells and fluid from leukemic children. Sardelli S, et al. **Clin Immunol Immunopathol** 1986 Nov;41(2):247–53

Lymphocyte proliferative enhancing or inhibiting factors released by four human myeloid cell lines. Perocco P, et al. **Haematologica (Pavia)** 1987 May–Jun;72(3):209–13

Acute nonlymphocytic leukemia in adults: pathophysiology, status of current therapy, and new approaches. Mertelsmann RH, et al. **Hamatol Bluttransfus** 1987;30:10–4

IFN–gamma receptors on human tumor cells: relationship between receptor ligand interactions and induction of IFN–gamma response. Berkovic D, et al.

Immunobiology 1986 Sep;172(3–5):243–9
Acute fungal stomatitis in compromised host. Causative agents, serological findings, topical treatment. Kostiala I. **Proc Finn Dent Soc** 1986;82 Suppl 7–8:1–96
The Wellcome Foundation lecture, 1986. The molecular control of normal and leukaemic granulocytes and macrophages. Metcalf D. **Proc R Soc Lond [Biol]** 1987 May 22;230(1261):389–423 (131 ref.)
Inhibition of DNA polymerase–alpha by ara–CMP in the presence of a regulatory protein extracted from human promyelocytic leukemic cells (HL–60). Leclerc JM, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):226–30
[Respiratory and cardiovascular function of patients with acute leukemia and lymphogranulomatosis during remission] Shiriaeva IS, et al. **Pediatriia** 1987;(2):52–5 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Studies on the influence of BCG vaccination on infantile leukemia. Ambrosch F, et al. **Dev Biol Stand** 1986;58 (Pt A):419–24
Cancer precursors and their control by BCG. Rosenthal SR. **Dev Biol Stand** 1986;58 (Pt A):401–16
Differences in cerebrospinal fluid penetration of corticosteroids: possible relationship to the prevention of meningeal leukemia. Balis FM, et al. **J Clin Oncol** 1987 Feb;5(2):202–7

PSYCHOLOGY

Psychological adjustment of families of children and adolescents treated for leukemia. Sawyer M, et al. **Am J Pediatr Hematol Oncol** 1986 Fall;8(3):200–7
The family's adaptation to childhood leukemia. Fife B, et al. **Soc Sci Med** 1987;24(2):159–68
[What does falling ill with leukemia or a malignant tumor mean to the child and his family?] Pichler E. **Padiatr Padol** 1987;22(1):1–11 **(Ger)**
[Emotional status in the decision process] Köhle K. **Verh Dtsch Ges Inn Med** 1986;92:452–4 **(Ger)**

RADIOGRAPHY

ICON: a computer–based approach to differential diagnosis in radiology. Swett HA, et al. **Radiology** 1987 May; 163(2):555–8

RADIONUCLIDE IMAGING

[Appraisal of the clinical value of 67Ga–scintigraphy in hematological disorders] Nakayama C, et al. **Rinsho Hoshasen** 1986 Oct;31(10):1115–20 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

The implications of in–vitro radiation–survival curves for the optimal scheduling of total–body irradiation with bone marrow rescue in the treatment of leukaemia. O'Donoghue JA, et al. **Br J Radiol** 1987 Mar;60(711):279–83
Intermittent central nervous system irradiation and intrathecal chemotherapy for central nervous system leukemia in children. Kim TH, et al. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1451–5
Fractionated versus low dose–rate total body irradiation. Radiobiological considerations in the selection of regimes. O'Donoghue JA. **Radiother Oncol** 1986 Nov;7(3):241–7
[Whole body irradiation in acute leukemias—experiences and results in Tübingen] Gnann H, et al. **Radiobiol Radiother (Berl)** 1986;27(6):683–90 (Eng. Abstr.) **(Ger)**
[Radiation biological principles, irradiation technic and clinical tolerance of whole body irradiation before bone marrow transplantation in leukemia] Standke E, et al. **Radiobiol Radiother (Berl)** 1986;27(6):667–75 (Eng. Abstr.) **(Ger)**
[Acute encephalopathy following cranial irradiation of previously treated meningeal leukemia] Bode U, et al. **Strahlenther Onkol** 1986 Oct;162(10):618–20 (Eng. Abstr.) **(Ger)**

THERAPY

Marrow transplantation for malignant disease. Thomas ED. **Am J Med Sci** 1987 Aug;294(2):75–9 (30 ref.)
A comparative study of T–cell depleted and non–depleted marrow transplantation for hematological malignancy. Atkinson K, et al. **Aust NZ J Med** 1987 Feb;17(1):16–23
Total body irradiation and bone marrow transplantation in Adelaide—a short report on 7 years experience. Denham JW, et al. **Australas Radiol** 1986 Aug;30(3):262–7
Total body irradiation and high–dose etoposide: a new preparatory regimen for bone marrow transplantation in patients with advanced hematologic malignancies [published erratum appears in Blood 1987 Jun;69(6):1789] Blume KG, et al. **Blood** 1987 Apr;69(4):1015–20
Cytotoxicity of interleukin 2–activated lymphocytes for leukemia and lymphoma cells. Oshimi K, et al. **Blood** 1986 Oct;68(4):938–48
Growth and development following marrow transplantation for leukemia. Sanders JE, et al. **Blood** 1986 Nov; 68(5):1129–35
Ceftazidime does not enhance cyclosporin–A nephrotoxicity in febrile bone marrow transplantation patients. Verhagen C, et al. **Blut** 1986 Oct;53(4):333–9
Autologous bone marrow transplantation for acute leukaemia in remission. Gorin NC, et al. **Br J Haematol** 1986 Oct; 64(2):385–95
Current therapy of acute and chronic leukemia in adults. Henderson ES, et al. **CA** 1986 Nov–Dec;36(6):322–50 (86 ref.)
Serum ferritin in patients undergoing bone marrow transplantation. Or R, et al. **Cancer** 1987 Sep 1; 60(5):1127–31
Fatal cardiac toxicity in bone marrow transplant patients receiving cytosine arabinoside, cyclophosphamide, and total body irradiation. Trigg ME, et al. **Cancer** 1987 Jan 1;59(1):38–42
Intensive cytoreductive therapy followed by autologous bone marrow transplantation for patients with hematologic malignancies or solid tumors. Verdonck LF, et al. **Cancer** 1987 Aug 1;60(3):289–95
High dose cyclophosphamide, BCNU, and VP–16 (CBV) as a conditioning regimen for allogeneic bone marrow transplantation for patients with acute leukemia. Zander AR, et al. **Cancer** 1987 Mar 15;59(6):1083–6
Immunotherapy with bestatin for acute nonlymphocytic leukemia in adults. Ota K, et al. **Cancer Immunol Immunother** 1986;23(1):5–10
Predictors of response of acute nonlymphocytic leukemia. Preisler HD, et al. **Cancer Invest** 1986;4(6):575–90 (73 ref.)
Effect of high–dose cyclophosphamide and total–body irradiation on left ventricular function in adult patients with leukemia undergoing allogeneic bone marrow transplantation. Baello EB, et al. **Cancer Treat Rep** 1986 Oct;70(10):1187–93
Update on haematologic malignancy. Jacobs P. **Cent Afr J Med** 1986 Apr;32(4):100–6
Acute leukaemias: biology and treatment. Gale RP, et al. **Clin Haematol** 1986 Aug;15(3):567–71
Age–dependent cyclosporine: pharmacokinetics in marrow transplant recipients. Yee GC, et al. **Clin Pharmacol Ther** 1986 Oct;40(4):438–43
Marrow transplantation and gene transfer as therapy for hematopoietic diseases. Thomas ED. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:1009–12
Myeloid regeneration after bone–marrow transplantation monitored by serum measurements of myeloperoxidase, lysozyme and lactoferrin. Oberg G, et al. **Eur J Haematol** 1987 Apr;38(4):356–62
Treatment of adult acute non–lymphoblastic leukemia: a computer–aided analysis. Riccardi A, et al. **Haematologica (Pavia)** 1987 Jan–Feb;72(1):71–88 (200 ref.)
Acute leukemias. Prognostic factors and treatment strategies. Proceedings of the first international symposium. Münster, 1986. **Hamatol Bluttransfus** 1987;30:1–586
Intensive care therapy for patients with hematological diseases. Anger B, et al. **Hamatol Bluttransfus** 1987; 30:519–23
Cytomegalovirus hyperimmunoglobulin and substitution with blood products from antibody–negative donors. A pilot study in bone marrow transplant recipients. Mahmoud HK, et al. **Hamatol Bluttransfus** 1987;30:538–40
Bone marrow transplantation in childhood leukemia in West Germany. Niethammer D, et al. **Hamatol Bluttransfus** 1987; 30:217–25
Prophylactic application of an anti–cytomegalovirus hyperimmunoglobulin in allogeneic bone marrow transplant recipients. Reusser P, et al. **Hamatol Bluttransfus** 1987;30:541–4
Allogeneic, syngeneic, and autologous bone marrow transplantation in the acute leukemias—Baltimore experience. Santos GW, et al. **Hamatol Bluttransfus** 1987; 30:226–32
Depletion of T cells from bone marrow grafts with soybean agglutinin and sheep red blood cells for prevention of graft–versus–host disease. Verdonck LF, et al. **Hamatol Bluttransfus** 1987;30:563–6
Bone marrow transplantation in hematologic malignancies. Thomas ED. **Hosp Pract [Off]** 1987 Feb 15;22(2):77–91
Intensive therapy for medical complications of haematological malignancy at the Royal Marsden Hospital [letter] Banerjee A, et al. **Intensive Care Med** 1987; 13(3):213–4
Sex differences in nitrogen balance following marrow grafting for leukemia. Cheney CL, et al. **J Am Coll Nutr** 1987 Jun;6(3):223–30
A quantitative analysis of palliative care decisions in acute nonlymphocytic leukemia. Neuss MN, et al. **J Am Geriatr Soc** 1987 Feb;35(2):125–31
Bone marrow transplantation for hematologic malignancies in patients aged 30 years or older. Blume KG, et al. **J Clin Oncol** 1986 Oct;4(10):1489–92
Treatment strategies for "high–risk" leukemia [editorial] Henderson ES. **J Clin Oncol** 1987 May;5(5):689–91
Marrow transplantation for acute nonlymphocytic leukemia following therapy for Hodgkin's disease. Sargur M, et al. **J Clin Oncol** 1987 May;5(5):731–4
Bone–marrow autotransplantation in man. Report of an international cooperative study. **Lancet** 1986 Oct 25; 2(8513):960–2
Impact of T–cell depletion on outcome of allogeneic bone–marrow transplantation for standard–risk leukaemias. Maraninchi D, et al. **Lancet** 1987 Jul 25;2(8552):175–8
Mesna and total body irradiation [letter] Plowman PN, et al. **Lancet** 1987 Jan 17;1(8525):167
Successful peripheral blood stem–cell autograft with a near–critical dose of myeloid progenitor cells in acute non–lymphoblastic leukaemia in relapse. Juttner CA, et al. **Med J Aust** 1987 Sep 21;147(6):292–3
Therapy of acute leukaemia in adults. A retrospective study of a non–selected group of 146 patients. van der Weide M, et al. **Neth J Med** 1987 Feb;30(1–2):54–63
Present status of bone marrow transplantation in Japan. Masaoka T. **Nippon Ketsueki Gakkai Zasshi** 1986 Dec; 49(8):1491–8
Advances in cancer: monoclonal antibody therapy of hematologic malignancies. Foon KA. **NJ Med** 1987 Apr; 84(4):269–74
Bone marrow transplantation for children with acute leukemia and Down syndrome. Rubin CM, et al. **Pediatrics** 1986 Oct;78(4):688–91
Hematologic malignancies: present status and future prospects. **Semin Oncol** 1986 Dec;13(4 Suppl 5):1–59
High–dose ara–C and VP–16 before conditioning for bone marrow transplantation in patients with high–risk leukemia. Häfliger B, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):134–8
Bone marrow transplantation for acute leukemia and lymphoma with high–dose cytosine arabinoside and total body irradiation. Herzig RH, et al. **Semin Oncol** 1987 Jun; 14(2 Suppl 1):139–40
White cell fragmentation after therapeutic leukapheresis for acute leukemia. Van Rybroek JJ, et al. **Transfusion** 1987 Jul–Aug;27(4):353–5
Cytogenetic evidence of partial chimerism after T cell–depleted allogeneic bone marrow transplantation in leukemic HLA–matched patients. Berthéas MF, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2738–40
Graft failure and leukemia relapse following T lymphocyte–depleted bone marrow transplants: effect of intensification of immunosuppressive conditioning. Champlin RE, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2616–9
T cell depletion of HLA and haploidentical marrow reduces graft–versus–host disease but it may impair a graft–versus–leukemia effect. Henslee PJ, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2701–6
Current developments in marrow transplantation. O'Reilly RJ. **Transplant Proc** 1987 Feb;19(1 Pt 1):92–102
Marrow transplantation for leukemia and aplastic anemia: two controlled trials of a combination of methotrexate and cyclosporine v cyclosporine alone or methotrexate alone for prophylaxis of acute graft–v–host disease. Storb R, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2608–13
Bone marrow transplantation for acute nonlymphoblastic leukemia during first complete remission. An analysis of prognostic factors. Forman SJ, et al. **Transplantation** 1987 May;43(5):650–3
Positive effect of prophylactic total parenteral nutrition on long–term outcome of bone marrow transplantation. Weisdorf SA, et al. **Transplantation** 1987 Jun;43(6):833–8
[Transfusion of fetal liver cells in the treatment of hematologic disease] Qian FW. **Chung Hua I Hsueh Tsa Chih** 1986 Apr;66(4):237–9 **(Chi)**
[Oral manifestations and management of graft–versus–host disease] Yang ZP. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1987 Jan; 22(1):27–30, 63 (Eng. Abstr.) **(Chi)**
[Allogeneic bone marrow transplantation in the treatment of leukemia—a preliminary report] Chen YC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 May;86(5):490–6 (Eng. Abstr.) **(Chi)**
[Allogeneic bone marrow transplantation in the treatment of acute leukemias of children. Study of 26 patients] Michel G, et al. **Arch Fr Pediatr** 1986 Dec;43(10):769–74 (Eng. Abstr.) **(Fre)**
[Acute leukemia in the child: quality of the "cure". Apropos of 41 cases] Rubie H, et al. **Arch Fr Pediatr** 1986 Jun–Jul; 43(6):395–400 (Eng. Abstr.) **(Fre)**
[Intensive chemotherapy with bone marrow grafts] Ries F, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1986; 123(2):111–6 **(Fre)**
[Expansion of erythropoiesis and granulopoiesis after bone marrow grafts] Rio B, et al. **Nouv Rev Fr Hematol** 1986; 28(6):349–54 (Eng. Abstr.) **(Fre)**
[Autograft of bone marrow treated by in vitro chemotherapy (Asta Z 7557) for consolidation of acute leukemia in adults in the first complete remission] Laporte JP, et al. **Presse Med** 1987 Feb 28;16(7):338–42 (Eng. Abstr.) **(Fre)**
[Marrow transplantation: preliminary results at the University Hospital Center] Bury J, et al. **Rev Med Liege** 1987 May 15;42(10):510–5 **(Fre)**
[Hematologic cancers in 1987. Chemotherapy and immunotherapy] Fillet G, et al. **Rev Med Liege** 1987 May 15;42(10):496–502 **(Fre)**
[Bone marrow allografts and autografts. Principles and indications] Fillet G, et al. **Rev Med Liege** 1987 May 15; 42(10):503–9 **(Fre)**
[Intensive treatment and autologous bone marrow transplantation in cases of acute leukemia and lymphoma] Chapuis B, et al. **Schweiz Med Wochenschr** 1986 Aug 23; 116(34):1158–9 (Eng. Abstr.) **(Fre)**
[Acute lymphoblastic and nonlymphoblastic leukemia in 1st complete remission: consolidation treatment by intensive radio–chemotherapy followed by transplantation of HLA–A, B and Dr compatible allogeneic bone marrow] Gyger M, et al. **Union Med Can** 1986 Oct;115(10):699–702

(Eng. Abstr.) (Fre)
[The Hickman catheter in bone marrow transplantation, long-term cytostatic and infusion therapy. Experience of 102 catheters in children] Welter HF, et al. **Chirurg** 1987 Mar;58(3):166–71 (Eng. Abstr.) (Ger)
[12 years' experience in bone marrow transplantation in leukemic patients in Switzerland] Gratwohl A, et al. **Schweiz Med Wochenschr** 1986 Oct 25;116(43):1477–8 (Eng. Abstr.) (Ger)
[Adverse effects of total body irradiation for bone marrow transplantation: prevention and therapy. Experience at Basel, July 1979–March 1986] Tichelli A, et al. **Schweiz Med Wochenschr** 1986 Nov 8;116(45):1560–6 (Eng. Abstr.) (Ger)
[Hematology-oncology afternoon of the Austrian Society for Hematology and Oncology. Vienna, 12 June 1986. Abstracts] **Wien Klin Wochenschr** 1986 Sep 12; 98(17):585–93 (Ger)
[Experience using bone marrow transplantation in the treatment of hematologic neoplasms and solid tumors] Niederwieser D, et al. **Wien Klin Wochenschr** 1987 Jan 23;99(2):49–53 (Eng. Abstr.) (Ger)
[Cases of adult acute non-lymphoblastic leukemia in patients disease-free for more than 2 years] Kelemen E, et al. **Orv Hetil** 1986 Dec 21;127(51):3103–4 (Eng. Abstr.) (Hun)
[Bone marrow transplantation for pediatric patients: review of progress] Inoue S. **Gan To Kagaku Ryoho** 1987 Jan; 14(1):50–60 (Jpn)
[Total body irradiation for bone marrow transplantation in the treatment of leukemia] Inoue T. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1538–44 (Eng. Abstr.) (Jpn)
[Bone marrow transplantation after intensive chemotherapy] Masaoka T. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1650–5 (Eng. Abstr.) (Jpn)
[Bone marrow transplantation in cancer patients] Morishima Y. **Gan To Kagaku Ryoho** 1986 Oct;13(10):2922–9 (Eng. Abstr.) (Jpn)
[Treatment with K-18 (IgG-melphalan) in recurrent cases of hematopoietic malignancies] Shibata H, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):2974–80 (Eng. Abstr.) (Jpn)
[A new antitumor drug with immunomodulating activity, ubenimex (bestatin)] Tsukagoshi S. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2385–91 (Eng. Abstr.) (Jpn)
[Cytotoxic activity of monoclonal antibody (KOR-N34).liposome.adriamycin conjugates to cultured lymphoid cell lines] Nishino K, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Jun 20;21(5):1016–25 (Eng. Abstr.) (Jpn)
[Improvement in a total body irradiation technic as a preparation for bone marrow transplantation in leukemia] Inoue T, et al. **Rinsho Hoshasen** 1987 Apr;32(4):557–60 (Jpn)
[Occurrence of refractory states in platelet transfusion in leukemia and its countermeasures] Baba M, et al. **Rinsho Ketsueki** 1986 Jul;27(7):1265–7 (Jpn)
[Percutaneous silastic catheter insertion in thrombocytopenic children with malignant diseases] Nakadate H, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1345–9 (Eng. Abstr.) (Jpn)
[Interstitial pneumonia in leukemia patients after allogeneic bone marrow transplantation] Yamauchi T, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1361–8 (Eng. Abstr.) (Jpn)
[Monoclonal antibodies against hematopoietic stem cells] Robak T. **Postepy Hig Med Dosw** 1986 Mar-Apr; 40(2):113–58 (178 ref.) (Eng. Abstr.) (Pol)
[Indications for splenectomy in leukemia, lymphoma and bone marrow aplasia--tactics, technic, complications] Popovici A, et al. **Rev Chir [Chir]** 1986 Jul-Aug; 35(4):241–52 (Eng. Abstr.) (Rum)
[Effect of plasma on the proliferative activity of leukocytes in patients with leukemia] Lindstrem SL, et al. **Gematol Transfuziol** 1986 Aug;31(8):23–6 (Eng. Abstr.) (Rus)
[Experiences in transplanting bone marrow, leukocytes and human embryonic liver cells in hemoblastosis patients] Baranov AE, et al. **Ter Arkh** 1986;58(9):9–18 (Eng. Abstr.) (Rus)
[The importance of leukocyte and thrombocyte concentrates in the treatment of acute leukemia] Fehérvízyová E, et al. **Vnitr Lek** 1986 Aug;32(8):776–83 (Eng. Abstr.) (Slo)
[High-dose cyclophosphamide and whole-body radiotherapy followed by bone marrow transplant in patients with leukemia] Fernández-Rañada JM, et al. **Rev Clin Esp** 1987 Mar;180(5):247–52 (Eng. Abstr.) (Spa)

URINE

Urinary nucleosides in leukemia: laboratory and clinical applications. Trewyn RW, et al. **CRC Crit Rev Clin Lab Sci** 1986;24(1):71–93 (90 ref.)

VETERINARY

Effect of suramin on serum viral replication in feline leukemia virus-infected pet cats. Cogan DC, et al. **Am J Vet Res** 1986 Oct;47(10):2230–2
Relationships of bovine leukemia virus prevalence in dairy herds and density of dairy cattle to human lymphocytic leukemia. Donham KJ, et al. **Am J Vet Res** 1987 Feb; 48(2):235–8
Effects of feline leukemia virus infection on neutrophil chemotaxis in vitro. Kiehl AR, et al. **Am J Vet Res** 1987 Jan;48(1):76–80
Immunologic profiles of cats with persistent, naturally acquired feline leukemia virus infection. Reimann KA, et al. **Am J Vet Res** 1986 Sep;47(9):1935–9
Frequency and significance of feline leukemia virus infection in necropsied cats. Reinacher M, et al. **Am J Vet Res** 1987 Jun;48(6):939–45
Quantitative studies of erythropoiesis in the clinically normal, phlebotomized, and feline leukemia virus-infected cat. Wardrop KJ, et al. **Am J Vet Res** 1986 Oct;47(10):2274–7
In vitro viral expression as a criterion for development of control procedures for enzootic bovine leukosis. Weber AF, et al. **Am J Vet Res** 1987 Jun;48(6):899–903
Evidence for BoLA-linked resistance and susceptibility to subclinical progression of bovine leukaemia virus infection. Lewin HA, et al. **Anim Genet** 1986;17(3):197–207
Effect of platelet-derived factor on expression of bovine leukemia virus genome. Tsukiyama K, et al. **Arch Virol** 1987;96(1-2):89–96
Bovine leucosis virus: antibody in cattle in New South Wales. Burton RW, et al. **Aust Vet J** 1986 Nov;63(11):380–1
The effect of pasteurisation on bovine leucosis virus-infected milk. Chung YS, et al. **Aust Vet J** 1986 Nov;63(11):379–80
Eradication of bovine leukemia virus infection in commercial dairy herds using the agar gel immunodiffusion test. Shettigara PT, et al. **Can J Vet Res** 1986 Apr;50(2):221–6
Clearance of retroviremia and regression of malignancy in cats with leukemia-lymphoma during treatment with staphylococcal protein A. Engelman RW, et al. **Cancer Detect Prev** 1987;10(5-6):435–44
Serological survey and virus isolation of simian T-cell leukemia/T-lymphotropic virus type I (STLV-I) in non-human primates in their native countries. Ishikawa K, et al. **Int J Cancer** 1987 Aug 15;40(2):233–9
Testing for feline leukemia [letter] Bryant JM. **J Am Vet Med Assoc** 1987 Feb 15;190(4):364
Testing for feline leukemia [letter] Shophet-Ratner R. **J Am Vet Med Assoc** 1987 Jun 1;190(11):1374
Cyclic hematopoiesis associated with feline leukemia virus infection in two cats. Swenson CL, et al. **J Am Vet Med Assoc** 1987 Jul 1;191(1):93–6
Glycosphingolipids of normal bovine and enzootic bovine leukosis lymph node cells. Watarai S, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):1031–42
Saliva as a source of feline leukemia virus antigen for diagnosis of disease. Lewis MG, et al. **J Clin Microbiol** 1987 Jul;25(7):1320–2
Detection of feline leukemia virus infection in saliva. Lutz H, et al. **J Clin Microbiol** 1987 May;25(5):827–31
Cytogenetic analysis of leukaemic cells in the dog. A report of 10 cases and a review of the literature. Grindem CB, et al. **J Comp Pathol** 1986 Nov;96(6):623–35
A protein immunoblot test for detection of bovine leukemia virus p24 antibody in cattle and experimentally infected sheep. Walker PJ, et al. **J Virol Methods** 1987 Feb; 15(3):201–11
Echocardiographic detection of bovine cardiac diseases. Yamaga Y, et al. **Jpn J Vet Res** 1986 Oct;34(3-4):251–67
Prevalence of feline leukemia virus infection in random source laboratory cats. Stark DM, et al. **Lab Anim Sci** 1987 Jun;37(3):317–9
Effect of feline leukemia virus on the development of plaque forming cells in feline peripheral blood lymphocytes. Chuma T, et al. **Nippon Juigaku Zasshi** 1987 Aug; 49(4):737–9
The decline in the production of interleukin 2 in cats spontaneously infected with feline leukemia virus. Goitsuka R, et al. **Nippon Juigaku Zasshi** 1987 Feb;49(1):7–14
Circulating immune complex levels in cows with enzootic bovine leukosis. Odawara T, et al. **Nippon Juigaku Zasshi** 1987 Aug;49(4):657–61
Establishment of a lymphoid cell line from tumor of bovine skin leukosis. Onuma M, et al. **Nippon Juigaku Zasshi** 1987 Feb;49(1):137–40
Application of colorimetric assay for detection of tumor-associated antigens on bovine leukemic cells. Yoneda R, et al. **Nippon Juigaku Zasshi** 1986 Dec; 48(6):1221–6
Bovine leukosis: an example of poor disease monitoring of international livestock shipments to developing countries. Odendaal S. **Soc Sci Med** 1986;23(10):1017–20
Feline leukaemia vaccine protection against viral latency. Haffer KN, et al. **Vaccine** 1987 Jun;5(2):133–5
The zoonotic potential of feline leukemia virus. Loar AS. **Vet Clin North Am [Small Anim Pract]** 1987 Jan; 17(1):105–15 (63 ref.)
Bone and bone marrow necrosis associated with the calf form of sporadic bovine leukosis. Doige CE. **Vet Pathol** 1987 Mar;24(2):186–8
Feline leukemia virus-associated enteritis--a condition with features of feline panleukopenia. Reinacher M. **Vet Pathol** 1987 Jan;24(1):1–4
The prevalence of antibodies of Brucella abortus, Dermatophilus congolensis and bovine leukaemia virus in Nigerian slaughter cattle. Oyejide A, et al. **Vet Q** 1987 Jan;9(1):83–5
Control of feline leukaemia virus infection by a removal programme. Weijer K, et al. **Vet Rec** 1986 Nov 29; 119(22):555–6
Establishment of a continuous cell line derived from leukaemic cattle. Koyama H, et al. **Zentralbl Veterinarmed [B]** 1986 Oct;33(8):586–96
[The spread of enzootic bovine leukemia via the seminal fluid in certain breeds of bulls] Belev N, et al. **Vet Med Nauki** 1986;23(10):3–10 (Eng. Abstr.) (Bul)
[Isolation of lymphocyte cultures from leukemic cattle and electron microscopic study of the leukemia virus] Genov I, et al. **Vet Med Nauki** 1986;23(7):3–12 (Eng. Abstr.) (Bul)
[New trends in the control of enzootic bovine leukemia in Bulgaria] Genov I, et al. **Vet Med Nauki** 1986;23(10):37–41 (Eng. Abstr.) (Bul)
[Cytochemical study of acid naphthyl acetate esterase in the lymphocytes of healthy and bovine leukemia virus-infected cows] Goranov Kh, et al. **Vet Med Nauki** 1986;23(9):23–9 (Eng. Abstr.) (Bul)
[Infections with feline leukemia virus (FeLV) in postmortem cats] Reinacher M. **Tijdschr Diergeneeskd** 1987 Jul 15; 112(14):848–53 (Eng. Abstr.) (Dut)
[Feline leukemia virus (FeLV) and FeLV-associated diseases in cats: a review] Weijer K, et al. **Tijdschr Diergeneeskd** 1987 Jun 15;112(12):726–37 (54 ref.) (Eng. Abstr.) (Dut)
[Diagnosis of enzootic bovine leukosis by the ELISA test of mixed and individual milk] Toma B, et al. **Ann Rech Vet** 1986;17(1):75–83 (Eng. Abstr.) (Fre)
[Enzootic bovine leukosis and feline leukosis. 2 current animal models for the study of virus-induced lymphomas and immunodepression syndrome in man] Parodi AL. **Bull Acad Natl Med (Paris)** 1986 Oct;170(7):959–65 (Eng. Abstr.) (Fre)
[Protection of sheep against infection with bovine leukemia virus by vaccination with tumor cells or tumor cell preparations from lymph nodes of leukemic cattle] Ristau E, et al. **Arch Exp Veterinarmed** 1987 Mar;41(2):185–96 (Eng. Abstr.) (Ger)
[Non-specific reactions in leukemia diagnosis with ELISA] Giesendorf G, et al. **DTW** 1987 Apr 8;94(4):214 (Eng. Abstr.) (Ger)
[Concentrating of leukosis antibodies in bulk milk (using a dialysis system) for study in an ELISA system] Pallesen U. **DTW** 1986 Jul 23;93(7):319–20 (Eng. Abstr.) (Ger)
[The distribution of feline leukemia virus (FeLV) in Switzerland] Boller E, et al. **Schweiz Arch Tierheilkd** 1987 Jul;129(7):349–55 (Eng. Abstr.) (Ger)
[Further studies with the 3:3 procedure in the diagnosis of leukosis and thoughts on a change in leukosis regulations] Bannenberg T. **Zentralbl Veterinarmed [B]** 1986 Aug; 33(6):434–9 (Eng. Abstr.) (Ger)
[Intensity of the synthesis of RNA precursors in blood lymphocytes of cattle infected with leukemia virus] Kuznetsova NV, et al. **Eksp Onkol** 1987;9(2):30–3 (Eng. Abstr.) (Rus)
[Role of the expression of the bovine leukemia virus in the pathogenesis of hemoblastoses] Konycheva VV, et al. **Vopr Onkol** 1987;33(1):72–7 (Eng. Abstr.) (Rus)

LEUKEMIA, ADULT T-CELL see **HTLV INFECTIONS**

LEUKEMIA, EXPERIMENTAL

Increased yields of IL-2 in media conditioned by MLA 144 cells. Aspinall R, et al. **J Immunol Methods** 1987 Jul 16; 101(1):79–84
Mutagenicity of rat-liver S9 to L5178Y mouse lymphoma cells. Myhr BC, et al. **Mutat Res** 1987 Sep;189(1):27–37

BLOOD

Demonstration of depressed polymorphonuclear leukocyte function in nonviremic FeLV-infected cats. Lafrado LJ, et al. **Cancer Invest** 1986;4(4):297–300
Regulation of iron uptake in erythroid and non-erythroid cells. Neuwirt J, et al. **Czech Med** 1987;10(1):54–60
Corynebacterium parvum, but not BCG, induces elevations in plasma proteinase activity similar to those observed in tumor-bearing mice. Hart DA. **Haemostasis** 1987; 17(1-2):79–88
The kinetics of phosphoinositide hydrolysis in rat basophilic leukemia (RBL-2H3) cells varies with the type of IgE receptor cross-linking agent used. Cunha-Melo JR, et al. **J Biol Chem** 1987 Aug 25;262(24):11455–63
Calcium-independent phosphoinositide breakdown in rat basophilic leukemia cells. Evidence for an early rise in inositol 1,4,5-trisphosphate which precedes the rise in other inositol phosphates and in cytoplasmic calcium. Pribluda VS, et al. **J Biol Chem** 1987 Aug 25;262(24):11449–54
Neutrophil function in sheep experimentally infected with bovine leukemia virus. Walker AF, et al. **Vet Immunol Immunopathol** 1987 Jan;14(1):67–76
[Lysosomal enzymes in lymphocytes in experimental lymphatic leukemia in mice] Madej JA. **Pol Arch Weter** 1986;25(4):19–29 (Eng. Abstr.) (Pol)
[Immunoenzyme method of determination of m5Cyd level; characteristics of the epitope and estimation of m5Cyd levels in the blood of leukemic mice] Kiseleva VI, et al. **Biokhimiia** 1987 May;52(5):772–6 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

Benzene hematotoxicity and leukemogenesis. Cronkite EP.

Blood Cells 1986;12(1):129–37

Ethylene oxide and leukemia [letter] Hertz-Picciotto I, et al. **JAMA** 1987 May 1;257(17):2290

Carcinogenicity of 1-(2-hydroxyethyl)-1-nitrosourea and 3-nitroso-2-oxazolidinone administered in drinking water to male MRC-Wistar rats: induction of bone, hematopoietic, intestinal, and liver tumors. Mirvish SS, et al. **JNCI** 1987 Feb;78(2):387–93

Chemical leukemogenesis: benzene as a model. Cronkite EP. **Semin Hematol** 1987 Jan;24(1):2–11 (72 ref.)

DIAGNOSIS

Two murine monoclonal antibodies to peripheral blood monocyte differentiation antigens discriminate within M5 acute non-lymphoid leukemia (ANLL) cells. Lopez M, et al. **Am J Hematol** 1987 Aug;25(4):361–9

Location of T-cell leukaemia cells in a model rat system by means of a fluorescent probe. Steven FS, et al. **Br J Cancer** 1987 Jan;55(1):29–32

[Demonstration of the expression of bovine leukemogenic virus (BLV) in sheep lymphocytes by an immunofluorescence technic using monoclonal antibodies] Djilali S, et al. **Comp Immunol Microbiol Infect Dis** 1986; 9(4):317–23 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Antamanide antagonizes phalloidin-induced human lymphocyte aggregation and prevents leukaemic mice from death: a pilot study. Nielsen O. **Acta Pharmacol Toxicol (Copenh)** 1986 Sep;59(3):249–51

Effects of purified iron-saturated human lactoferrin on spleen morphology in mice infected with Friend virus complex. Chen LT, et al. **Am J Pathol** 1987 Feb;126(2):285–92

Sensitivity to anthracyclines in P388/dx leukaemia cells. Bossa R, et al. **Anticancer Res** 1986 Sep–Oct;6(5):1037–9

Doxorubicin cytotoxicity to P388 lymphocytic leukemia as determined by alkaline elution and established assays. Russo P, et al. **Anticancer Res** 1986 Nov–Dec;6(6):1297–304

Antitumor effect of selected daunorubicin derivatives in mice with P 388 leukemia. Kuśnierczyk H, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(3):259–62

Comparative studies on biological activity of /+/R and /-/S enantiomers of cyclophosphamide and ifosfamide. I. Antitumour effect of cyclophosphamide and ifosfamide enantiomers. Paprocka M, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(3):275–84

Antineoplastic activity of azacarbazoles. I. Synthesis and antitumor properties of alpha-carboline and its selected derivatives. Wieczorek J, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(3):315–21

Verapamil modulates mutagenicity of antitumour acridines in bacteria and yeast. Baguley BC, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4581–4

Combination vincristine and VP-16-213: evaluation of drug sequence. Jackson DV Jr, et al. **Cancer Biochem Biophys** 1986 Oct;8(4):265–75

Potentiation of the chemotherapeutic action of 5'-deoxy-5-fluorouridine in combination with guanosine and related compounds. Iigo M, et al. **Cancer Chemother Pharmacol** 1987;19(1):61–4

Schedule-dependent antitumor and toxic effects of thymidine and 5-fluorouracil in AKR and L1210 leukemias. Santelli G, et al. **Cancer Chemother Pharmacol** 1986;18(2):101–4

Restoration of drug sensitivity by nitroxazepine hydrochloride in P388 murine leukemia cells resistant to adriamycin. Chitnis MP, et al. **Cancer Drug Deliv** 1987 Spring;4(1):1–9

Cross-resistance to ouabain in a murine leukemia cell variant selected for cis-dichlorodiammineplatinum(II) resistance. Kawai K, et al. **Cancer Lett** 1987 May;35(2):147–52

In vivo antitumor activity and in vitro cytotoxic properties of bis[1,2-bis(diphenylphosphino)ethane]gold(I) chloride. Berners-Price SJ, et al. **Cancer Res** 1986 Nov; 46(11):5486–93

Nucleolar protein B23 translocation after doxorubicin treatment in murine tumor cells. Chan PK, et al. **Cancer Res** 1987 Jul 15;47(14):3798–801

Reduced toxicity and enhanced antitumor effects in mice of the ionophoric drug valinomycin when incorporated in liposomes. Daoud SS, et al. **Cancer Res** 1986 Nov; 46(11):5518–23

Control of proliferating potential of myeloid leukemia cells during long-term treatment with vitamin D3 analogues and other differentiation inducers in combination with antileukemic drugs: in vitro and in vivo studies. Kasukabe T, et al. **Cancer Res** 1987 Jan 15;47(2):567–72

Protective influence of lactoferrin on mice infected with the polycythemia-inducing strain of Friend virus complex. Lu L, et al. **Cancer Res** 1987 Aug 1;47(15):4184–8

6-[Bis(2-chloroethyl)amino]-6-deoxygalactopyranose hydrochloride (C6-galactose mustard), a new alkylating agent with reduced bone marrow toxicity. Schein PS, et al. **Cancer Res** 1987 Feb 1;47(3):696–9

3'-Azido-3'-deoxythymidine in feline leukemia virus-infected cats: a model for therapy and prophylaxis of AIDS. Tavares L, et al. **Cancer Res** 1987 Jun 15; 47(12):3190–4

Effects of antimetastatic, antiinvasive and cytotoxic agents on the growth and spread of transplantable leukemias in mice. Sava G, et al. **Clin Exp Metastasis** 1987 Jan–Mar; 5(1):27–34

Development and some characteristics of a P388 leukemia strain resistant to 1, 2:5, 6-dianhydrogalactitol. Bence J, et al. **Eur J Cancer Clin Oncol** 1986 Jul;22(7):773–80

In vitro purging of leukemia and solid tumor cells by merocyanine 540. Manna A, et al. **Haematologica (Pavia)** 1987 Mar–Apr;72(2):177–9

Drug design: nitrosoureas. Eisenbrand G, et al. **IARC Sci Publ** 1986;(78):281–94

Anti-tumor effects of interferon in mice injected with interferon-sensitive and interferon-resistant Friend leukemia cells. V. Comparisons with the action of tumor necrosis factor. Gresser I, et al. **Int J Cancer** 1986 Nov 15;38(5):771–8

Pharmacological evaluation of combination therapy of P388 leukemia with cyclophosphamide and pyrimidinones. Li LH, et al. **Int J Immunopharmacol** 1987;9(1):31–9

Is the P388 murine tumor no longer adequate as a drug discovery model? Corbett TH, et al. **Invest New Drugs** 1987;5(1):3–20 (40 ref.)

Anti-leukemic activity of 15-deoxyspergualin against N-butyl-N-nitrosourea-induced autochthonous rat leukemia. Ito J, et al. **J Antibiot (Tokyo)** 1986 Oct; 39(10):1488–90

Anti-tumour effect of alpha-amino N-substituted-pyrrolidin-2,5-dione-N-mustards on the growth of P388 lymphocytic leukaemia. Naik SD, et al. **J Cancer Res Clin Oncol** 1987;113(2):151–4

Treatment of murine interferon-alpha/beta-sensitive and -resistant friend leukemia cells with tumor necrosis factor in combination with murine interferon-alpha/beta or -gamma. Van der Heyden J, et al. **J Interferon Res** 1986 Dec;6(6):633–8

Potential antitumor agents. 50. In vivo solid-tumor activity of derivatives of N-[2-(dimethylamino)ethyl]acridine-4-carboxamide. Atwell GJ, et al. **J Med Chem** 1987 Apr;30(4):664–9

Potential antitumor agents. 52. Carbamate analogues of amsacrine with in vivo activity against multidrug-resistant P388 leukemia. Rewcastle GW, et al. **J Med Chem** 1987 Sep;30(9):1576–81

Anthrapyrazole anticancer agents. Synthesis and structure-activity relationships against murine leukemias. Showalter HD, et al. **J Med Chem** 1987 Jan;30(1):121–31

Stereocontrolled syntheses for the six diastereomeric 1,2-dihydroxy-4,5-diaminocyclohexanes: PtII complexes and P-388 antitumor properties. Witiak DT, et al. **J Med Chem** 1987 Aug;30(8):1327–36

Synthesis, cell growth inhibition, and antitumor screening of 2-(p-n-butylanilino)purines and their nucleoside analogues. Wright GE, et al. **J Med Chem** 1987 Jan; 30(1):109–16

Synthesis and antitumor activity of tropolone derivatives. 4. Yamato M, et al. **J Med Chem** 1987 Jan;30(1):117–20

Enhanced anticancer efficacy by use of mitomycin C adsorbed on small activated carbon particles in mice. Hagiwara A, et al. **Jpn J Cancer Res** 1987 Apr;78(4):405–8

Effect of mouse hepatitis virus infection on combination therapy of P388 leukemia with cyclophosphamide and pyrimidinones. Li LH, et al. **Lab Anim Sci** 1987 Feb; 37(1):41–4

Recognition of T-cell murine leukemia by bacteriocin (colicin); correlation with transplantation experiments. Mittelman M, et al. **Leuk Res** 1987;11(3):215–22

The effect of inhibition of mitochondrial protein synthesis on the proliferation and phenotypic properties of a rat leukemia in different stages of in-vivo tumor development. Van den Bogert C, et al. **Leuk Res** 1987;11(6):529–36

Suppression of mouse viraemia and retroviral disease by 3'-azido-3'-deoxythymidine. Ruprecht RM, et al. **Nature** 1986 Oct 2–8;323(6087):467–9

Topoisomerase II as a target of antileukemic drugs. Zwelling LA, et al. **NCI Monogr** 1987;(4):79–82

Restoration of doxorubicin responsiveness in doxorubicin-resistant P388 murine leukaemia cells by dipyrone. Chitnis MP, et al. **Oncology** 1987;44(1):47–50

In vivo development of cytosine arabinoside resistance in the BN acute myelocytic leukemia. Hagenbeek A, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):202–6

Potentiation of adriamycin cytotoxicity in P388 murine leukemia sensitive and resistant to adriamycin by use of lonidamine and hyperthermia. Chitnis M, et al. **Tumori** 1986 Oct 31;72(5):469–73

[Cytotoxicity of the monoclonal antibody anti-CCT2 and bleomycin A6 conjugate to leukemia cells] Zhen YS, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Aug;8(4):272–5 (Eng. Abstr.) **(Chi)**

[Antitumor effects of different combinations of oridonin, bleomycin A5 and nitrocaphane] Zhang TM, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Sep;7(5):457–60 (Eng. Abstr.) **(Chi)**

[Models of preclinical studies of anthracyclines] Fizames C. **Pathol Biol (Paris)** 1987 Jan;35(1):41–8 (Eng. Abstr.) **(Fre)**

[Compounds with potential antitumor activity. IV. Synthesis and antileukemic activity of 1-aryl-N,N'-di-[2-(1,3,4-thiadiazolyl)]methylenediamine] Grasso S, et al. **Farmaco [Sci]** 1986 Sep;41(9):713–21 (Eng. Abstr.) **(Ita)**

[Antitumor effect of 1,3,3,5,5-pentaziridino-1-thia-2,4,6-triaza-3,5-diphoshorine-1-oxide] Kato T, et al. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3401–7 (Eng. Abstr.) **(Jpn)**

[Reserve potentials of cytostatic therapy in experimental acute leukemia] Svirnovskii AI. **Gematol Transfuziol** 1987 Jun;32(6):34–8 (Eng. Abstr.) **(Rus)**

[Effective complexes of the antileukemic enzyme L-asparaginase with dextran sulfate] Karsakevich AS, et al. **Vopr Med Khim** 1986 Jul–Aug;32(4):47–51 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Activity and inhibition by cytotoxic and antimetastatic drugs of cathepsin B-like cysteine proteinase in transplantable leukemias in mice. Giraldi T, et al. **Anticancer Res** 1987 May-Jun;7(3 Pt B):343–6

Behaviour of lysosomes in the cells of transplantable and natural lymphatic leukaemia in mice in the light of cytoenzymatic and electron microscopic examinations. Madej JA, et al. **Arch Exp Veterinarmed** 1986 Jul; 40(4):486–95

Enzyme activity in mice with transplantable leukemia. Sobiech KA, et al. **Arch Immunol Ther Exp (Warsz)** 1986; 34(1):35–43

Biochemical markers for Fischer rat leukemia in a cell transplant model. Dieter MP, et al. **Cancer Detect Prev** 1987;10(5-6):425–33

Dihydrofolate reductase activity in adriamycin and methotrexate sensitive and resistant P388 leukemia cells. Mandelbaum-Shavit F, et al. **Cell Biol Int Rep** 1987 May; 11(5):389–96

Characterization of calcium-activated, phospholipid-dependent protein kinase from rat serosal mast cells and RBL-1 cells. Kurosawa M, et al. **Cell Immunol** 1986 Dec;103(2):381–93

Peroxisomes in lymphatic leukemia P 388 in mice—cytoenzymatic and ultrastructural investigations. Madej JA, et al. **Exp Pathol** 1986;30(4):215–20

Activity of some hydrolases in mice with transplantable lymphatic leukemia P 388. Sobiech KA, et al. **Folia Histochem Cytobiol** 1987;25(1):61–4

OF4949, new inhibitors of aminopeptidase B. IV. Effects of OF4949 and its derivatives on enzyme systems. Sano S, et al. **J Antibiot (Tokyo)** 1987 Apr;40(4):512–8

A distinctive phospholipid-stimulated protein kinase of normal and malignant murine hemopoietic cells. Klemm DJ, et al. **J Biol Chem** 1987 Jun 5;262(16):7580–5

Purification, characterization, and structural properties of a single protein from rat basophilic leukemia (RBL-1) cells possessing 5-lipoxygenase and leukotriene A4 synthetase activities. Hogaboom GK, et al. **Mol Pharmacol** 1986 Dec; 30(6):510–9

Characterization of a subline of P388 leukemia resistant to amsacrine: evidence of altered topoisomerase II function. Per SR, et al. **Mol Pharmacol** 1987 Jul;32(1):17–25

ETIOLOGY

Characterization of a preleukemic state induced by Moloney murine leukemia virus: evidence for two infection events during leukemogenesis. Davis BR, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4875–9

Myeloid leukemia in male RFM mice following irradiation with fission spectrum neutrons or gamma rays. Ullrich RL, et al. **Radiat Res** 1987 Jan;109(1):165–70

Relationships between ionizing radiation, bone marrow transplantation and leukemogenesis. Piao CQ, et al. **Sci Sin [B]** 1987 Feb;30(2):161–8

[Mechanisms of viral leukemogenesis. I. Studies on animal retroviruses] Kwiatkowski A. **Postepy Hig Med Dosw** 1987 Jan-Feb;41(1):1–28 (129 ref.) (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Cytogenetics of Abelson virus-induced malignant lymphoma cell lines in the mouse. Aubert D, et al. **Cancer Genet Cytogenet** 1987 Sep;28(1):119–25

Markedly reduced levels of anthracycline-induced DNA strand breaks in resistant P388 leukemia cells and isolated nuclei. Capranico G, et al. **Cancer Res** 1987 Jul 15; 47(14):3752–6

Enhanced expression of the c-myc gene in bovine leukemia virus-induced bovine tumors. Gupta P, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6295–8

Cloning of cDNAs for two beta-tubulin isotypes expressed in murine T cell lymphoma, L5178Y and analysis of their translation products. Matsuzaki F, et al. **Cell Struct Funct** 1987 Aug;12(4):317–25

Structural modification of c-abl in lymphoma and leukemia. Ben-Neriah Y, et al. **Curr Top Microbiol Immunol** 1986; 132:81–9

Trisomy 15 as a regular finding in chemically induced murine T-cell leukemogenesis. Carbonell F, et al. **Int J Cancer** 1987 Apr 15;39(4):534–7

Cytogenetic studies on B-cell leukemias of AKR origin. Trakhtenbrot L, et al. **Int J Cancer** 1987 Mar 15;39(3):380–4

Rearrangement of c-myc, pim-1 and Mlvi-1 and trisomy of chromosome 15 in MCF- and Moloney-MuLV-induced murine T-cell leukemias. Wirschubsky Z, et al. **Int J Cancer** 1986 Nov 15;38(5):739–45

Regulated expression of the c-myb and c-myc oncogenes during erythroid differentiation. Kirsch IR, et al. **J Cell Biochem** 1986;32(1):11–21

Cross-sensitivity to DNA-damaging agents in radiation-sensitive mutants of murine leukemia cells. Sato

K, et al. **J Radiat Res (Tokyo)** 1986 Dec;27(4):378–85

Sequences responsible for erythroid and lymphoid leukemia in the long terminal repeats of Friend–mink cell focus–forming and Moloney murine leukemia viruses. Ishimoto A, et al. **J Virol** 1987 Jun;61(6):1861–6

A preferred region for integration of Friend murine leukemia virus in hematopoietic neoplasms is closely linked to the Int–2 oncogene. Silver J, et al. **J Virol** 1986 Dec; 60(3):1156–8

Bone marrow phenotype determines genetic resistance to RadLV–induced leukemia in radiation chimeric mice. St–Pierre Y, et al. **Leuk Res** 1987;11(3):307–9

Generation of an autocrine leukaemia using a retroviral expression vector carrying the interleukin–3 gene. Hapel AJ, et al. **Lymphokine Res** 1986 Fall;5(4):249–54

The mutagenicity of 5–azacytidine and other inhibitors of replicative DNA synthesis in the L5178Y mouse lymphoma cell. Amacher DE, et al. **Mutat Res** 1987 Jan;176(1):123–31

Effect of pH shifts on the mutant frequency at the thymidine kinase locus in mouse lymphoma L5178Y TK+/– cells. Cifone MA, et al. **Mutat Res** 1987 Sep;189(1):39–46

Transcriptional and post–transcriptional regulation of c–myc expression during the differentiation of murine erythroleukemia Friend cells. Mechti N, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):9653–66

Phorbol ester–induced growth arrest of murine myelomonocytic leukemic cells with virus–disrupted myb locus is not accompanied by decreased myc and myb expression. Shen–Ong GL, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):199–203

Structural alterations in the long terminal repeat of an acquired mouse mammary tumor virus provirus in a T–cell leukemia of DBA/2 mice. Lee WT, et al. **Virology** 1987 Jul;159(1):39–48

[Characteristics of genome sequences in mouse spleen cells activated in virus–induced Rauscher leukemia] Smirnova IA, et al. **Eksp Onkol** 1987;9(1):18–22 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

BLV receptor activity in plasma membranes from tumorous lymph nodes of BLV–infected cows. Ristau E, et al. **Acta Virol (Praha)** 1986 Nov;30(6):449–56

Radiolocalization of bovine lymphosarcoma cells in athymic mice, using a monoclonal antibody against tumor–associated antigens. Aida Y, et al. **Am J Vet Res** 1987 Aug;48(8):1181–6

Effects of treatment with cobra venom factor on experimentally induced feline leukemia. Kraut EH, et al. **Am J Vet Res** 1987 Jul;48(7):1063–6

Molecular analysis of the cytolytic T–lymphocyte response elicited by retrovirus–induced tumours in mice. Plata F, et al. **Ann Inst Pasteur Immunol** 1986 Nov–Dec; 137D(3):409–12

Serological analysis of H–2 antigens expression on the cell surface of drug– and lectin–resistant mouse tumor cells. Opolski A, et al. **Arch Immunol Ther Exp (Warsz)** 1986; 34(1):21–34

Phospholipid distribution in the microenvironment of the immunoglobulin E–receptor from rat basophilic leukemia cell membrane. Rivnay B, et al. **Biochemistry** 1986 Sep 23;25(19):5686–93

Rotational dynamics of the Fc receptor for immunoglobulin E on histamine–releasing rat basophilic leukemia cells. Zidovetzki R, et al. **Biochemistry** 1986 Jul 29; 25(15):4397–401

Transplantability and sensitivity to natural killer cells of aclarubicin–resistant murine lymphoma. Sugimoto Y, et al. **Cancer Res** 1986 Nov;46(11):5646–8

A subset of T cell receptors associated with L3T4 molecules mediates C6VL leukemia cell binding of its cognate retrovirus. O'Neill HC, et al. **Cell** 1987 Apr 10;49(1):143–51

Retrovirus antigens recognized by cytolytic T lymphocytes activate tumor rejection in vivo. Plata F, et al. **Cell** 1987 Jan 30;48(2):231–40

Analysis of protective and cytotoxic immune responses in vivo against metabolically inactivated and untreated cells of a mutagenized tumor line (requirements for tumor immunogenicity). Wehrmaker A, et al. **Cell Immunol** 1986 Sep;101(2):290–8

Effects of mycoplasma infection on Fc receptors for IgE of rat basophilic leukemia cells. Chan BM, et al. **Eur J Immunol** 1986 Nov;16(11):1319–24

Modulation of expression of class II histocompatibility antigens by secretion of a cellular inhibitor in K562 leukemic cells. Krief P, et al. **Eur J Immunol** 1987 Jul; 17(7):1021–5

H–2–specific antibodies induced by injection of syngeneic leukemia cells. Schmidt W. **Immunogenetics** 1987; 25(4):215–21

Binding properties and histamine release in variants of rat basophilic leukemia cells with changes in the IgE receptor. Stracke ML, et al. **Immunol Lett** 1987 Apr;14(4):287–92

Effect of glycoprotein–processing inhibitors on the mouse IgE binding capacity of rat basophilic leukemia cells. Gavériaux C, et al. **Int Arch Allergy Appl Immunol** 1987; 84(1):85–92

Monoclonal antibodies directed to chemically synthesized lactogangliotetraosylceramide, a leukemia–associated antigen having a novel branching structure. Shigeta K, et al. **J Biol Chem** 1987 Jan 25;262(3):1358–62

Membrane–bound IgE receptor complexes fused with rat basophilic leukemia cells mediate degranulation. Estes K, et al. **J Cell Biol** 1987 Aug;105(2):747–53

Expression of the 6C3 antigen on murine hematopoietic neoplasms. Association with expression of abl, ras, fes, src, erbB, and Cas NS–1 oncogenes but not with myc. Morse HC 3d, et al. **J Exp Med** 1987 Mar 1;165(3):920–5

Expression of a monoclonal antibody–defined, B–lineage transformation antigen specifically identifies Abelson–diseased animals. Genetically determined resistance to Abelson murine leukemia virus acts before induction of gp160(6C3). Tidmarsh GF, et al. **J Exp Med** 1986 Oct 1;164(4):1356–61

Synthetic vaccines against Friend murine leukaemia virus–induced erythroleukaemia: in vivo and in vitro studies with synthetic oligopeptides and sequence–specific antisera. Bayer H, et al. **J Gen Virol** 1987 Feb;68 (Pt 2):515–22

Polymorphonuclear leukocyte dysfunction associated with feline leukaemia virus infection. Lewis MG, et al. **J Gen Virol** 1986 Oct;67 (Pt 10):2113–8

Kinetic analysis of cloned cytotoxic T lymphocyte reactivity against normal and leukaemic target cells. LeFever AV, et al. **J Immunogenet** 1986 Apr–Jun;13(2–3):275–85

Analysis of the interaction of antibodies with immunoglobulin idiotypes on neoplastic B lymphocytes: implications for immunotherapy. Elliott TJ, et al. **J Immunol** 1987 Feb 1; 138(3):981–8

The immune response to Moloney murine leukemia virus–induced tumors: induction of cytolytic T lymphocytes specific for both viral and tumor–associated antigens. Flyer DC, et al. **J Immunol** 1986 Dec 15; 137(12):3968–72

The interaction of monomeric and complexed mouse monoclonal IgG with rat basophilic leukemia cells: a subset of IgG molecules can bind to RBL cell Fc receptors for IgG. Hall TJ, et al. **J Immunol** 1986 Oct 1;137(7):2331–8

Tumor–specific T–lymphocyte cytotoxicity enhanced by low dose of C. parvum. Lau BH, et al. **J Leukocyte Biol** 1987 May;41(5):407–11

Abrogation of resistance to severe mousepox in C57BL/6 mice infected with LP–BM5 murine leukemia viruses. Buller RM, et al. **J Virol** 1987 Feb;61(2):383–7

Increase of retroviral infection in vitro by the binding of antiretroviral antibodies. Legrain P, et al. **J Virol** 1986 Dec; 60(3):1141–4

Humoral immune response of asymptomatic cats naturally infected with feline leukemia virus. Wernicke D, et al. **J Virol** 1986 Nov;60(2):669–73

Endogenous retroviral env expression in primary murine leukemias: lack of xenotropic antigens but presence of distinct mink cell focus–forming env subtypes correlating with ecotropic virus inoculated and mouse strain. Cloyd MW, et al. **JNCI** 1987 Jan;78(1):181–9

Natural immunity to grafts of FLD–3 erythroleukemia cells by irradiated mice. Afifi MS, et al. **Nat Immun Cell Growth Regul** 1986;5(4):200–10

Inositol trisphosphate is generated by a rat natural killer cell tumor in response to target cells or to crosslinked monoclonal antibody OX–34: possible signaling role for the OX–34 determinant during activation by target cells. Seaman WE, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(12):4239–43

Immunocompetence of sheep experimentally infected with bovine leukemia virus. Cockerell GL, et al. **Vet Immunol Immunopathol** 1986 Nov;13(3):189–202

[The course of infection with bovine leukosis virus (BLV) in calves after the administration of cell extract from lymph node tumors of BLV–infected cattle] Ristau E, et al. **Arch Exp Veterinarmed** 1987 May;41(3):323–31 (Eng. Abstr.) **(Ger)**

[Participation of neutrophils in the cytotoxic reaction against lymphatic leukemia cells in mice] Madej JA. **Pol Arch Weter** 1986;25(4):7–17 (Eng. Abstr.) **(Pol)**

METABOLISM

Purification and postsynthetic modifications of Friend erythroleukemic cell high mobility group protein HMG–I. Elton TS, et al. **Anal Biochem** 1986 Aug 15;157(1):53–62

The detection of DNA repair in bromodeoxyuridine versus thymidine containing DNA of individual cells. Navone A, et al. **Anticancer Res** 1987 Jan–Feb;7(1):13–6

Erythroid differentiation factor stimulates hydrolysis of polyphosphoinositide in Friend erythroleukemia cells. Shibata H, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):187–93

An in vitro system derived from Friend erythroleukemia cells to study messenger RNA stability. Sunitha I, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):560–8

The effect of desferrioxamine on transferrin receptors, the cell cycle and growth rates of human leukaemic cells. Bomford A, et al. **Biochem J** 1986 May 15;236(1):243–9

Experiments on the mode of action of piriprost (U–60,257), an inhibitor of leukotriene formation in cloned mouse mast cells and in rat basophil leukemia cells. Bach MK, et al. **Biochem Pharmacol** 1987 May 1;36(9):1461–6

Modulation of membrane transport of alkylating agents and amino acids by an analog of vasopressin in murine L5178Y lymphoblasts in vitro. Miller L, et al. **Biochem Pharmacol** 1987 Jan 1;36(1):169–76

The measurement of the production of tRNAMet1 in the Friend erythroleukemia cell. Kleiman L, et al. **Biochim Biophys Acta** 1986 Dec 18;868(4):198–206

Further studies on amino acid transport in murine P388 leukemia cells in vitro. Presence of system y+. Lazarus P, et al. **Biochim Biophys Acta** 1987 Apr 9;898(2):154–8

Effect of deoxycytidine on the in vitro response of human leukemia cells to inhibitors of de novo pyrimidine biosynthesis. Bhalla K, et al. **Cancer Chemother Pharmacol** 1987;19(3):226–32

Anthracycline photoaffinity labeling of a mitochondrial polypeptide in P388 murine leukemic cell lines. Averbuch SD, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6120–4

Decreased phorbol ester receptor and protein kinase C in P388 murine leukemic cells resistant to etoposide. Ido M, et al. **Cancer Res** 1987 Jul 1;47(13):3460–3

Mechanism of decrease of protein synthesis by sodium cyanate in murine P388 leukemia cells. Lazarus P, et al. **Cancer Res** 1987 Oct 1;47(19):5102–7

Oxidation of reduced cytosolic nicotinamide adenine dinucleotide by the malate–aspartate shuttle in the K–562 human leukemia cell line. López–Alarcón L, et al. **Cancer Res** 1986 Nov;46(11):5589–91

Identification of Vinca alkaloid acceptors in P388 murine leukemia cells with a photoactive analogue of vinblastine. Safa AR, et al. **Cancer Res** 1987 Oct 1;47(19):5149–54

L–asparaginase–induced modulation of methotrexate polyglutamylation in murine leukemia L5178Y. Sur P, et al. **Cancer Res** 1987 Mar 1;47(5):1313–8

The sizes of cellular deoxynucleoside 5'–triphosphate pools in relation to sensitivity to electron irradiation using sensitive and resistant cell lines. Booth JA, et al. **Carcinogenesis** 1987 Mar;8(3):409–14

Differential hemoglobin synthesis in murine erythroleukemic cells: hemin effects. Zucker RM, et al. **Cell Biochem Funct** 1987 Jan;5(1):27–35

Effect of cytarabine upon metabolism of phospholipids in leukemia L5178Y cells. Yang JL, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jul;7(4):368–73

Regulation of cell surface receptors for different hematopoietic growth factors on myeloid leukemic cells. Lotem J, et al. **EMBO J** 1986 Sep;5(9):2163–70

Biosynthesis and metabolism of pterins in peripheral blood mononuclear cells and leukemia lines of man and mouse. Schoedon G, et al. **Eur J Biochem** 1987 Jul 15;166(2):303–10

Modulation of in vitro response to adriamycin by verapamil in murine P388 leukaemia, Ehrlich ascites carcinoma and sarcoma 180. Pradhan SG, et al. **Eur J Cancer Clin Oncol** 1987 Apr;23(4):437–42

Mutual relationship among cytosolic pH, Na+ and Ca2+ ions in the degranulation of rat leukemic basophils. Sussman Y, et al. **Immunol Lett** 1986 Oct;13(4):215–9

Rapid phosphorylation of a 92,000 MW protein on activation of rat basophilic leukaemia cells for histamine release. Hattori Y, et al. **Immunology** 1987 Apr;60(4):573–8

Ferritin synthesis in differentiating Friend erythroleukemic cells. Beaumont C, et al. **J Biol Chem** 1987 Aug 5; 262(22):10619–23

Relationship of the decreases in protein synthesis and intracellular Na+ during friend murine erythroleukemic cell differentiation. Lannigan DA, et al. **J Biol Chem** 1986 Nov 5;261(31):14430–6

The actions of Ca2+ ionophores on rat basophilic (2H3) cells are dependent on cellular ATP and hydrolysis of inositol phospholipids. A comparison with antigen stimulation. Lo TN, et al. **J Biol Chem** 1987 Mar 25; 262(9):4141–5

The relative contributions of extracellular and intracellular calcium to secretion from tumor mast cells. Multiple effects of the proton ionophore carbonyl cyanide m–chlorophenylhydrazone. Mohr FC, et al. **J Biol Chem** 1987 Aug 5;262(22):10638–43

Identification and characterization of leukotriene D4 receptors and signal transduction processes in rat basophilic leukemia cells. Sarau HM, et al. **J Biol Chem** 1987 Mar 25;262(9):4034–41

Mature mRNA is selectively released from the nuclear matrix by an ATP/dATP–dependent mechanism sensitive to topoisomerase inhibitors. Schröder HC, et al. **J Biol Chem** 1987 Jun 25;262(18):8917–25

Internalisation and recycling of the granulocyte–macrophage colony–stimulating factor (GM–CSF) receptor on a murine myelomonocytic leukemia. Walker F, et al. **J Cell Physiol** 1987 Feb;130(2):255–61

Comparison of high–performance ion–exchange and ion–pair liquid chromatographic methods for the separation of tumour cell nucleotides. Kremmer T, et al. **J Chromatogr** 1987 Mar 20;415(1):53–63

Kinetic analysis of active efflux of vincristine from multidrug–resistant P388 leukemia cells. Inaba M, et al. **Jpn J Cancer Res** 1987 Apr;78(4):397–404

Early change of adenosine triphosphate levels in L5178Y cells during hyperthermia. Shinohara K, et al. **Jpn J Cancer Res** 1987 Apr;78(4):333–5

Physiopathological studies on granulocyte–macrophage colony stimulating factor and multi colony stimulating factor producing leukemia, L8313, induced by irradiation of C3H mice. Sawada H, et al. **Leuk Res** 1986;10(12):1461–8

[Effect of oridonin and bleomycin A5 combination on DNA syntheses in tumor and bone marrow cells] Shou MG, et al. **Chung Kuo Yao Li Hsueh Pao** 1987 Jan;8(1):83–6 (Eng. Abstr.) **(Chi)**

[Nuclear proteins preferentially bound to the beta–globin gene: cellular specificity and variation during terminal differentiation of mouse erythroblasts] Lelong JC, et al.

C R Acad Sci [III] 1986;303(13):533–8 (Eng. Abstr.) (Fre)

[Glycoproteins and sialoproteins in the serum and internal organs of mice with transplantable leukemia] Jakielaszek JM, et al. Pol Arch Weter 1986;26(1–2):95–105 (Eng. Abstr.) (Pol)

[1H-NMR spectroscopy of the cell membranes of thymus lymphocytes in AKR mice] Iushmanov VE, et al. Biofizika 1986 Sep–Oct;31(5):829–32 (Eng. Abstr.) (Rus)

[Structural properties of leukemic and normal lymphoid cells] Svirnovskii AI, et al. Biofizika 1986 Jul–Aug;31(4):638–42 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Transforming genes and target cells of murine spleen focus-forming viruses. Ostertag W, et al. Adv Cancer Res 1987;48:193–355 (805 ref.)

Mechanisms of retrovirus-induced leukaemia: selected aspects. Neil JC, et al. Biochim Biophys Acta 1987 Apr 20;907(1):71–91

The molecular nature of multiple tumour-associated antigens expressed by a Rauscher-MuLV induced leukaemia. Rogers MJ, et al. Cancer Surv 1985;4(1):35–49

Hemolytic anemia and erythroleukemia, two distinct pathogenic effects of Friend MuLV: mapping of the effects to different regions of the viral genome. Sitbon M, et al. Cell 1986 Dec 26;47(6):851–9

Infection of haematopoietic stem cells in mice with Friend virus induced erythroleukaemia. Johnson CS, et al. Cell Tissue Kinet 1986 Jul;19(4):455–65

Determinants of Abelson murine leukemia virus pathogenesis. Green PL, et al. Curr Top Microbiol Immunol 1986; 132:62–74

Effects of nonleukemogenic and wild-type Moloney murine leukemia virus on lymphoid cells in vivo: identification of a preleukemic shift in thymocyte subpopulations. Davis BR, et al. J Virol 1986 Nov;60(2):423–30

Abelson murine leukemia virus variants with increased oncogenic potential. Murtagh K, et al. J Virol 1986 Nov; 60(2):599–606

Important role of the long terminal repeat of the helper Moloney murine leukemia virus in Abelson virus-induced lymphoma. Savard P, et al. J Virol 1987 Oct;61(10):3266–75

Correlation of leukemogenic potential of murine retroviruses with transcriptional tissue preference of the viral long terminal repeats. Short MK, et al. J Virol 1987 Apr; 61(4):1067–72

fim-1 and fim-2: two new integration regions of Friend murine leukemia virus in myeloblastic leukemias. Sola B, et al. J Virol 1986 Nov;60(2):718–25

Identification of a new common provirus integration site in gross passage A murine leukemia virus-induced mouse thymoma DNA. Villemur R, et al. Mol Cell Biol 1987 Jan; 7(1):512–22

The effects of leukemosuppressive immunotherapy on bone marrow infectious cell centers in AKR mice. Buckheit RW Jr, et al. Virology 1987 Apr;157(2):387–96

Vaccinia virus DNA sequences in the nucleus of persistently infected Friend erythroleukemia cells. Oboen KM, et al. Virus Res 1986 Aug;5(2–3):221–34

[Detection of enzootic bovine leukemia virus using the syncytium test] Hofirek B, et al. Vet Med (Praha) 1986 Oct;31(10):577–85 (Eng. Abstr.) (Cze)

PATHOLOGY

Demonstration of a thymus cell tumour in BLV-infected cattle. Ristau E, et al. Acta Virol (Praha) 1986 Nov; 30(6):457–62

Comparative studies on biological activity of /+/R and /-/S enantiomers of cyclophosphamide and ifosfamide. II. Antiproliferative activity of cyclophosphamide and ifosfamide enantiomers. Paprocka M, et al. Arch Immunol Ther Exp (Warsz) 1986;34(3):285–91

The measurement of the production of tRNA(iMet) during erythroid differentiation of the Friend erythroleukemia cell. Schmedt E, et al. Biochem Cell Biol 1987 Mar;65(3):188–94

Induction of the 47 kDa platelet substrate of protein kinase C during differentiation of HL-60 cells. Tyers M, et al. Biochem J 1987 Apr 1;243(1):249–53

Passive electrical properties of the membrane and cytoplasm of cultured rat basophil leukemia cells. I. Dielectric behavior of cell suspensions in 0.01–500 MHz and its simulation with a single-shell model [published erratum appears in Biochim Biophys Acta 1987 Apr 23;898(3):351] Irimajiri A, et al. Biochim Biophys Acta 1987 Jan 26; 896(2):203–13

Passive electrical properties of the membrane and cytoplasm of cultured rat basophil leukemia cells. II. Effects of osmotic perturbation. Irimajiri A, et al. Biochim Biophys Acta 1987 Jan 26;896(2):214–23

Interaction of urokinase with specific receptors abolishes the time of commitment to terminal differentiation of murine erythroleukaemia (Friend) cells. Del Rosso M, et al. Br J Haematol 1987 Jul;66(3):289–94

In the search for new anticancer drugs. XX: A comparison of the in vitro growth inhibition of P388 cells by TEPA and N,N;N',N'-bis (1,2-ethanediyl)-N''-(1-oxyl-2,2,6,6-tetramethyl-4-piperidinylaminocarbonyl) phosphoric triamide and congeners. Miller B, et al. Cancer Lett 1987 Jan;34(1):3–8

Effects of trichostatins on differentiation of murine erythroleukemia cells. Yoshida M, et al. Cancer Res 1987 Jul 15;47(14):3688–91

A transfected c-myc oncogene inhibits mouse erythroleukemic differentiation. Dmitrovsky E, et al. Curr Top Microbiol Immunol 1986;132:327–30

PolyADP ribosylation and Friend erythroleukemic-cell differentiation: action of poly(ADP-ribose) polymerase inhibitors. Brac T, et al. Differentiation 1987;34(2):139–43

Leukemic cells arise from cloned cytotoxic lymphocytes during cell culture. Simon MM, et al. Eur J Immunol 1986 Oct;16(10):1269–76

Effect of aphidicolin on Friend erythroleukemia cell maturation. Beckman BS, et al. Exp Cell Res 1987 Mar; 169(1):223–32

Overall changes in chromatin sensitivity to DNase I during differentiation. Szabó G Jr, et al. Exp Cell Res 1987 Mar; 169(1):158–68

Lithium inhibits terminal differentiation of erythroleukemia cells. Evidence for a pre-commitment 'priming' event. Zarkowski C, et al. Exp Cell Res 1987 Feb;168(2):402–10

In vitro chemoseparation of leukemic cells from murine bone marrow using VP16-213: importance of stem cell assays. Stiff PJ, et al. Exp Hematol 1987 Mar;15(3):263–8

Effect of cryopreservation on purging of leukemic marrow with alkyl-lysophospholipids. Vogler WR, et al. Exp Hematol 1987 May;15(4):360–4

Microbiological and chemical dehydrogenation of withaferin A. Fuska J, et al. Folia Microbiol (Praha) 1987;32(2):112–5

Transplantation of chemically induced mouse leukaemia into newborn F344 rats. Ember I, et al. Haematologia (Budap) 1986;19(3):207–17

Ionophore-stimulated rat basophilic leukemia cells produce PAF-acether. Purdon AD, et al. Int Arch Allergy Appl Immunol 1987;82(2):215–7

Effect of interferon on growth and division cycle of Friend erythroleukemic murine cells in vitro. Matarese GP, et al. J Cell Biol 1977 Nov;75(2 Pt 1):344–54

Clonal dominance and progression in Abelson murine leukemia virus lymphomagenesis. Green PL, et al. J Virol 1987 Jul;61(7):2192–7

Erythroid cell fusion in the early phase of Friend virus leukemogenesis. Behringer RR, et al. JNCI 1987 Sep; 79(3):601–3

The expression of differentiation antigens by Rauscher virus-induced erythroid, lymphoid and myeloid cell lines. Delwel HR, et al. Leuk Res 1987;11(1):25–30

Effects of horse and fetal calf serum on the expression of tumor-associated antigen and tumorigenicity of L5178Y leukemia/lymphoma cells. Rabinovsky ED, et al. Leuk Res 1986;10(11):1331–40

Protein A vectorized toxins—I. Preparation and properties of protein A–ricin toxin conjugates. Ghetie MA, et al. Mol Immunol 1986 Dec;23(12):1373–9

Vitamin D3 derivatives inhibit the differentiation of Friend erythroleukemia cells. Wang JK, et al. Mol Pharmacol 1986 Dec;30(6):639–42

Mutagenicity and clastogenicity of teniposide (VM-26) in L5178Y/TK +/- -3.7.2C mouse lymphoma cells. DeMarini DM, et al. Mutat Res 1987 Mar;187(3):141–9

Spontaneous colony-forming activity in vitro and comparative histological studies on ethylnitrosourea-induced leukemia in Sprague-Dawley rats. Wakafuji S, et al. Nippon Ketsueki Gakkai Zasshi 1986 Jul;49(4):873–84

Cell transformation and tumor induction by Abelson murine leukemia virus in the absence of helper virus. Green PL, et al. Proc Natl Acad Sci USA 1987 Aug;84(16):5932–6

Translocation of protein kinase C in human leukemia cells susceptible or resistant to differentiation induced by phorbol 12-myristate 13-acetate. Homma Y, et al. Proc Natl Acad Sci USA 1986 Oct;83(19):7316–9

AKR murine thymic leukemias are from a distinct thymic cell lineage and do not express the beta chain of the T-cell antigen receptor. Owen FL, et al. Proc Natl Acad Sci USA 1986 Oct;83(19):7434–7

The distribution of four lysosomal integral membrane proteins (LIMPs) in rat basophilic leukemia cells. Suárez-Quian CA. Tissue Cell 1987;19(4):495–504

Lipid changes associated with erythroid differentiation of Friend erythroleukemia cells. Fallani A, et al. Toxicol Pathol 1987;15(2):170–7

Interaction of heat with chemotherapy in vitro: effect on cell viability and protein synthesis in human and murine cell lines. Supino R, et al. Tumori 1987 Apr 30;73(2):109–16

Induction of differentiation in Friend erythroleukemia cells with dimethyl sulfoxide, hexamethylene bisacetamide and sodium butyrate is not accompanied by changes in proviral DNA or its expression. Zajac-Kaye M, et al. Virus Res 1986 Oct;6(1):45–55

[Ascites supernatant from Ehrlich carcinoma enhances the effect of differentiation inducers on mouse erythroleukemia cells] Hu JS, et al. Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao 1986 Aug; 8(4):286–90 (Eng. Abstr.) (Chi)

[Studies on the mechanism of multidrug resistance] Inaba M. Gan To Kagaku Ryoho 1987 Mar;14(3 Pt 2):807–14 (Eng. Abstr.) (Jpn)

[A suppressive effect of PSK, a protein-bound polysaccharide preparation, on tumor growth: a new effect of PSK on cell motility] Katano M, et al. Gan To Kagaku Ryoho 1987 Jul;14(7):2321–6 (Eng. Abstr.) (Jpn)

[Behavior and role of mastocytes and eosinophils in natural and transplantable lymphatic leukemia in mice] Madej JA, et al. Pol Arch Weter 1986;26(1–2):81–93 (Eng. Abstr.) (Pol)

[Autoradiographic study of the proliferative activity of bone marrow, spleen and liver cells in healthy mice and in mice with Rauscher virus-induced erythroleukemia] Rusev RV, et al. Eksp Onkol 1986;8(6):24–7 (Eng. Abstr.) (Rus)

[Changes in the proliferation and differentiation of hematopoietic stem cells in AKR mice during the development of leukemia] Tsyrlova IG, et al. Gematol Transfuziol 1987 Jun;32(6):41–4 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Three types of ion channels are present on the plasma membrane of Friend erythroleukemia cells. Arcangeli A, et al. Biochem Biophys Res Commun 1987 Aug 14; 146(3):1450–7

Further studies on migration and colonization of leukemic lymphoblasts in AKR and HSS inbred mice. Arany I, et al. Cancer Biochem Biophys 1987 May;9(2):149–54

Ultrastructural and biological observations on neoplastic growth control obtained by contact inhibition. Conforti A, et al. Int J Tissue React 1986;8(3):213–7

Formation of macrophage (M) colony-stimulating factor by murine leukemia x fibroblast hybrid cells. Chow HS, et al. J Biol Response Mod 1987 Aug;6(4):446–56

Depolarization of rat basophilic leukemia cells inhibits calcium uptake and exocytosis. Mohr FC, et al. J Cell Biol 1987 Mar;104(3):783–92

A patch-clamp study of histamine-secreting cells. Lindau M, et al. J Gen Physiol 1986 Sep;88(3):349–68

PREVENTION & CONTROL

Leukemia prevention and long-term survival of AKR mice transplanted with MHC-matched or MHC-mismatched bone marrow. Longley RE, et al. Cell Immunol 1986 Sep; 101(2):476–92

Immunization of DBA/2 mice with a T cell hybridoma-derived TsF increases immune resistance to the syngeneic tumors P815 and L1210. Steele JK, et al. J Immunol 1986 Nov 1;137(9):3025–30

Effects of physical restraint on leukemogenesis by Friend virus. Gotoh T, et al. Jpn J Cancer Res 1986 Oct; 77(10):985–91

T-lymphocyte priming and protection against Friend leukemia by vaccinia-retrovirus env gene recombinant. Earl PL, et al. Science 1986 Nov 7;234(4777):728–31

[Effect of vaccination of mice with endogenous retrovirus on the development of tumors induced by gamma-irradiation or 7,12-dimethylbenz[a]anthracene] Mazurenko NP, et al. Eksp Onkol 1987;9(1):41–6 (Eng. Abstr.) (Rus)

RADIOTHERAPY

[Radiosensitizing and toxic action of metronidazole and isometronidazole (1-(2-hydroxyethyl)-2-methyl-4-nitroimidazole) on the cells of Ehrlich ascites cancer and hemoblastosis La in vitro] Proskuriakov SIa, et al. Radiobiologiia 1986 Nov-Dec;26(6):766–70 (Eng. Abstr.) (Rus)

THERAPY

The antileukemic efficacy of an immunotoxin composed of a monoclonal anti-Thy-1 antibody disulfide linked to the ribosome-inactivating protein gelonin. Scott CF Jr, et al. Cancer Immunol Immunother 1987;25(1):31–40

Oncostatic and immunomodulatory effects of a glycoprotein fraction from water extract of abalone, Haliotis discus hannai. Uchida H, et al. Cancer Immunol Immunother 1987; 24(3):207–12

Specific radioimmunotherapy using 90Y-labeled monoclonal antibody in erythroleukemic mice. Anderson-Berg WT, et al. Cancer Res 1987 Apr 1;47(7):1905–12

Generation of lymphokine-activated killer cells in strain 2 guinea pigs and their use in the therapy of L2C, an acute B-cell leukemia. Gregg EO, et al. Cancer Res 1987 Feb 1;47(3):723–9

Effects of monoclonal antibodies that block transferrin receptor function on the in vivo growth of a syngeneic murine leukemia. Sauvage CA, et al. Cancer Res 1987 Feb 1;47(3):747–53

Use of oxidizing dyes in combination with 2-cyanocinnamic acid to enhance hyperthermic cytotoxicity in L929 cells. Wang H, et al. Cancer Res 1987 Jul 1;47(13):3341–3

Combined immunochemotherapy of human solid tumors in nude mice. Weil-Hillman G, et al. Cancer Res 1987 Jan 15;47(2):579–85

Potential uses of interleukin 2 in cancer therapy. Cheever MA, et al. Immunobiology 1986 Sep;172(3–5):365–82

Anti-tumor effects of interferon in mice injected with interferon-sensitive and interferon-resistant Friend leukemia cells. VI. Adjuvant therapy after surgery in the inhibition of liver and spleen metastases. Gresser I, et al. Int J Cancer 1987 Jun 15;39(6):789–92

Whole ricin and recombinant ricin A chain idiotype-specific immunotoxins for therapy of the guinea pig L2C B cell leukemia. Gregg EO, et al. J Immunol 1987 Jun 15; 138(12):4502–8

Antigen-driven T cell clones can proliferate in vivo, eradicate disseminated leukemia, and provide specific immunologic memory. Klarnet JP, et al. **J Immunol** 1987 Jun 1;138(11):4012-7

Eradication of disseminated murine leukemia by treatment with high-dose interleukin 2. Thompson JA, et al. **J Immunol** 1986 Dec 1;137(11):3675-80

Antitumor effect of adriamycin entrapped in liposomes conjugated with monoclonal antibody against tumor-associated antigen of bovine leukemia cells. Onuma M, et al. **Jpn J Cancer Res** 1986 Nov;77(11):1161-7

Role of antibodies to murine leukemia virus p15E transmembrane protein in immunotherapy against AKR leukemia: a model for studies in human acquired immunodeficiency syndrome. Thiel HJ, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5893-7

TRANSMISSION

Horizontal transmission of murine retroviruses. Portis JL, et al. **J Virol** 1987 Apr;61(4):1037-44

Experimental transmission of enzootic bovine leukosis to cattle, sheep and goats: infectious doses of blood and incubation period of the disease. Mammerickx M, et al. **Leuk Res** 1987;11(4):353-8

ULTRASTRUCTURE

Lactoferrin binding by leukemia cell lines. Yamada Y, et al. **Blood** 1987 Jul;70(1):264-70

VETERINARY

Transmission of bovine leukosis virus by blood inoculation. Evermann JF, et al. **Am J Vet Res** 1986 Sep;47(9):1885-7

Rectal transmission of bovine leukemia virus in cattle and sheep. Henry ET, et al. **Am J Vet Res** 1987 Apr;48(4):634-6

LEUKEMIA, GRANULOCYTIC see **LEUKEMIA, MYELOCYTIC**

LEUKEMIA, HAIRY CELL

[Hairy cell leukemia] Kitani T, et al. **Nippon Rinsho** 1986 Oct;44(10):2307-18 (98 ref.) **(Jpn)**

BLOOD

Lupus-type coagulation inhibitor in hairy cell leukaemia and resolution with splenectomy [letter] Duncombe AS, et al. **Br J Haematol** 1987 Jan;65(1):120-1

Platelet acquired defect in PDGF and beta thromboglobulin content in hairy cell leukaemia: improvement after interferon therapy. Dupuy E, et al. **Br J Haematol** 1987 Jan;65(1):107-10

Platelet dysfunction in splenectomized patients with hairy cell leukemia. Cortelazzo S, et al. **Eur J Cancer Clin Oncol** 1986 Aug;22(8):935-7

Generation of procoagulant activity by hairy cells in response to endotoxin and phorbol esters. Viero P, et al. **Eur J Cancer Clin Oncol** 1986 Jul;22(7):857-62

The mechanism of action of interferon-alpha (IFN-alpha) in hairy-cell leukaemia; Hu-IFN-alpha 2 receptor expression by hairy cells and other normal and leukaemic cell types. Dadmarz R, et al. **Leuk Res** 1986;10(11):1279-85

Interferons regulate the in vitro differentiation of multilineage lympho-myeloid stem cells in hairy cell leukemia. Michalevicz R, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2307-11

Unique scanning electron microscopic features of hairy cells in hairy-cell leukemia. A review and current status. Gamliel H, et al. **Scan Electron Microsc** 1986;(Pt 4):1515-21

Phorbol ester (TPA)-induced surface membrane alterations in B-type hairy cell and lymphocytic leukemia cells. Polliack A, et al. **Scan Electron Microsc** 1986;(Pt 4):1523-35

CHEMICALLY INDUCED

Chronic lymphoid leukaemia and hairy cell leukaemia due to chronic exposure to benzene: report of three cases. Aksoy M. **Br J Haematol** 1987 Jun;66(2):209-11

CLASSIFICATION

Blastic variant of hairy-cell leukemia. Diez Martin JL, et al. **Am J Clin Pathol** 1987 May;87(5):576-83

COMPLICATIONS

Hairy cell leukemia and mucormycosis. Treatment with alpha-2 interferon. Bennett CL, et al. **Am J Med** 1986 Dec; 81(6):1065-7

Listeria monocytogenes cerebritis, bacteremia, and cutaneous lesions complicating hairy cell leukemia. Salata RA, et al. **Am J Med** 1986 Dec;81(6):1068-72

Vasculitis in hairy-cell leukemia. Farcet JP, et al. **Arch Intern Med** 1987 Apr;147(4):660-4

Haemolysis of unusual antibody specificity in hairy cell leukemia [letter] O'Donnell JR, et al. **Br J Haematol** 1987 Apr;65(4):499-500

Occurrence of immunoblastic B-cell lymphoma in hairy cell leukemia. Arnalich F, et al. **Cancer** 1987 Mar 15; 59(6):1161-4

The simultaneous presentation of peripheral T-cell lymphoma and hairy cell leukemia. Lawlor E, et al. **Cancer** 1987 Oct 1;60(7):1537-44

Coexistence of hairy-cell leukemia and histiocytic lymphoma. Rothman H, et al. **J Am Osteopath Assoc** 1987 Feb;87(2):134-8

Pyoderma gangrenosum and hairy cell leukemia. Kaplan RP, et al. **J Dermatol Surg Oncol** 1987 Sep;13(9):1029-31

Vasculitis in hairy cell leukemia: review of literature and consideration of possible pathogenic mechanisms. Gabriel SE, et al. **J Rheumatol** 1986 Dec;13(6):1167-72

[Legionnaires' disease in hairy cell leukemia. 2 new cases] Voiriot P, et al. **Ann Med Interne (Paris)** 1987;138(4):287-8 (Eng. Abstr.) **(Fre)**

[Pulmonary and cutaneous candidiasis complicating hairy cell leukemia] Tertian G, et al. **Rev Med Interne** 1987 Mar-Apr; 8(2):210-1 **(Fre)**

[Sweet's syndrome and hemopoietic dysplasia] Lomuto M, et al. **G Ital Dermatol Venereol** 1987 Mar;122(3):131-4 (Eng. Abstr.) **(Ita)**

[Immunopathology of hairy cell leukemia, its infectious complications and therapeutic conclusions] Wolska T, et al. **Przegl Lek** 1986;43(8):570-5 **(Pol)**

DIAGNOSIS

A distinct subtype of idiopathic myelofibrosis with bone marrow features mimicking hairy cell leukemia: evidence of an autoimmune pathogenesis. Hasselbalch H, et al. **Am J Hematol** 1987 Jun;25(2):225-9

Listeria monocytogenes infection and hairy cell leukemia [letter] Guerin JM, et al. **Am J Med** 1987 Jul;83(1):188

Automated leucocyte differential counts in chronic lymphocytic and hairy-cell leukaemias: a comparison of the Hemalog D, H6000 and Coulter S Plus IV. Lai AP, et al. **Clin Lab Haematol** 1987;9(2):169-74

Unusual presentation of childhood leukemia mimating hairy cell leukemia. A case report. Lippi A, et al. **Haematologica (Pavia)** 1986 Nov-Dec;71(6):485-8

Hairy cell leukaemia: a clinicopathological study. Ahuja HG, et al. **J Assoc Physicians India** 1986 Oct;34(10):689-91

Hairy cell leukaemia with possible pulmonary and renal involvement. Sharma SK, et al. **J Assoc Physicians India** 1986 Oct;34(10):747-8

The value of the Wright-Giemsa stain for diagnosing hairy cell leukemia in body cavity fluids. Strobel SL, et al. **J Surg Oncol** 1986 Nov;33(3):182-5

Synthetic peptide immunoassay distinguishes HIV type 1 and HIV type 2 infections. Gnann JW Jr, et al. **Science** 1987 Sep 11;237(4820):1346-9

Hairy cell leukemia--a rare chronic lymphoproliferative disorder. Tan CC, et al. **Singapore Med J** 1987 Apr; 28(2):192-5

[Case report on the diagnosis and therapy of hairy-cell leukemia] Atanasov K, et al. **Vutr Boles** 1987;26(1):101-5 (Eng. Abstr.) **(Bul)**

[The case from practice (64). Patient: Mr. V.G., born 9-12-1922] Voegelin U. **Schweiz Rundsch Med Prax** 1986 Oct 7;75(41):1219-20 **(Ger)**

[Hairy cell leukemia. Clinical case] Baccarani M, et al. **G Clin Med** 1986 Aug;67(4):239-41 **(Ita)**

DRUG THERAPY

Bone marrow histological modifications induced by alpha interferon in hairy cell leukemia. Lambertenghi-Deliliers G, et al. **Acta Haematol (Basel)** 1987;77(4):203-7

Enhancement of granulopoiesis by lithium carbonate in a patient with hairy cell leukemia. Levine MA, et al. **Am J Med** 1987 Jan;82(1):146-8

In vivo induction of proteins during therapy of hairy cell leukemia with alpha-interferon. Samuels BL, et al. **Blood** 1987 Jun;69(6):1570-3

Modulation of the response to B-cell growth factor (BCGF) of hairy cells from a patient under IFN-alpha therapy [letter] Génot E, et al. **Blut** 1987 Jul;55(1):65-7

Immunohistochemical evaluation of bone marrow involvement in hairy cell leukemia during interferon therapy. Soligo D, et al. **Blut** 1987 Aug;55(2):121-6

Treatment of hairy-cell leukemia with recombinant alpha 2-interferon. Berneman ZN, et al. **Eur J Cancer Clin Oncol** 1986 Aug;22(8):987-90

Chemotherapy of progressive hairy-cell leukaemia. Cold S, et al. **Eur J Haematol** 1987 Mar;38(3):251-5

Bone marrow histology in patients with hairy cell leukemia (HCL) treated by human lymphoblastoid interferon. Coci A, et al. **Haematologica (Pavia)** 1987 Mar-Apr;72(2):143-9

Remissions in hairy-cell leukemia with pentostatin (2'-deoxycoformycin). Spiers AS, et al. **N Engl J Med** 1987 Apr 2;316(14):825-30

[Multiple bone localizations in hair cell leukemia. Efficacy of treatment with alpha 2 interferon] Grosbois B, et al. **Nouv Rev Fr Hematol** 1986;28(6):377-9 (Eng. Abstr.) **(Fre)**

[Hairy cell leukemia treated with interferon] Nesthus I, et al. **Tidsskr Nor Laegeforen** 1987 May 30;107(15):1335-6 (Eng. Abstr.) **(Nor)**

ETIOLOGY

HTLV and human leukemia: perspectives 1986. Wachsman W, et al. **Semin Hematol** 1986 Oct;23(4):245-56 (102 ref.)

FAMILIAL & GENETIC

Hairy leukemic cells which hyperexpress Ii do not demonstrate Ii genome alterations by restriction endonuclease analysis. Owerbach DI, et al. **Am J Hematol** 1987 Jul;25(3):285-9

Mechanism of leukemogenesis by human T-cell leukemia virus types I and II: role of the lor gene. Ratner L, et al. **Cancer Detect Prev** 1987;10(5-6):411-24 (83 ref.)

Cytogenetic studies in hairy cell leukemia. Ohyashiki K, et al. **Cancer Genet Cytogenet** 1987 Jan;24(1):109-17

DNA-abnormality in hairy cell leukemia. Arrenbrecht S, et al. **Hematol Oncol** 1987 Jan-Mar;5(1):1-7

Human T cell gamma genes are frequently rearranged in B-lineage acute lymphoblastic leukemias but not in chronic B cell proliferations. Chen Z, et al. **J Exp Med** 1987 Apr 1;165(4):1000-15

[Hairy cell leukemia with a 14q+ dueto 14; 22 reciprocal translocation] Nagoshi H, et al. **Rinsho Ketsueki** 1987 Feb; 28(2):254-60 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Defective monocyte function in Legionnaires' disease complicating hairy cell leukaemia. Nielsen H, et al. **Acta Med Scand** 1986;220(4):381-3

Reactivity of neoplastic cells of hairy cell leukemia with antisera to S-100 protein. Naeim F, et al. **Am J Clin Pathol** 1987 Jul;88(1):86-91

Hairy-cells are not lysed by NK-cells [letter] Sigaux F, et al. **Blut** 1987 May;54(5):319-20

RAB-1: a new monoclonal antibody to leukemic hairy cells. Berrebi A, et al. **Leuk Res** 1986;10(9):1071-8

Serologic studies in hairy cell leukemia: high prevalence of Epstein-Barr and cytomegalovirus antibodies and absence of human T-cell lymphotrophic viruses antibodies. Quesada JR, et al. **Leuk Res** 1986;10(10):1169-73

Co-expression of surface immunoglobulin and T3 on hairy cells. Haegert DG, et al. **Scand J Haematol** 1986 Sep; 37(3):196-202

[A case of atypical hairy cell leukemia--hairy cells expressed Leu 1 antigen after treatment with TPA] Takeuchi H, et al. **Rinsho Ketsueki** 1986 Sep;27(9):1633-9 (Eng. Abstr.) **(Jpn)**

[Ultrastructural zipper-like structures and common ALL antigen positive, surface immunoglobulin negative phenotypes of surface markers in a case of hairy cell leukemia] Yoshioka A, et al. **Rinsho Ketsueki** 1986 Sep; 27(9):1674-9 (Eng. Abstr.) **(Jpn)**

METABOLISM

Different proteins are induced by alpha- and gamma-interferon in hairy cell leukemia. Samuels BL, et al. **J Biol Response Mod** 1987 Jun;6(3):268-74

[Interferon formation in hairy cell leukemia] Vaněček K, et al. **Cas Lek Cesk** 1987 Jan 23;126(4):110-2 (Eng. Abstr.) **(Cze)**

OCCURRENCE

Hairy cell leukemia in pregnancy: a case report. Williams JK. **Am J Obstet Gynecol** 1987 Jan;156(1):210-1

PATHOLOGY

Recognition of hairy cell leukemia in a spleen of normal weight. The contribution of immunohistologic studies. Burke JS, et al. **Am J Clin Pathol** 1987 Feb;87(2):276-81

Phenotypic changes associated with chemically induced differentiation of a hairy cell leukemia cell line. Hooper WC, et al. **Am J Hematol** 1987 Apr;24(4):401-14

Phorbol ester induction of plasmacytoid and hairy cell leukemia features in B-type lymphocytic leukemias: the relation to B-cell differentiation and maturation. Gazitt Y, et al. **Blood Cells** 1987;12(2):413-39

Flow cytometry in hairy cell leukemia before and during interferon alfa-2b therapy. Vokes EE, et al. **Cancer** 1987 Jun 15;59(12):1987-91

Effect of dimethylsulfoxide and hexamethylene bisacetamide on the JOK-1 hairy cell leukemia derived cell line propagated in the nude mouse. Hooper WC, et al. **Exp Cell Biol** 1987;55(2):93-103

The hepatic sinusoid in hairy cell leukemia: an ultrastructural study of 12 cases. Zafrani ES, et al. **Hum Pathol** 1987 Aug; 18(8):801-7

Phytohemagglutinin-conditioned medium modulates adherence properties and morphology of hairy cells. Mecucci C, et al. **Leuk Res** 1986;10(9):1091-9

Altered basement membrane structure of the spleen in hairy cell leukaemia. Demonstration of laminin in hairy cells. Karttunen T, et al. **Pathol Res Pract** 1987 Apr;182(2):233-9

Further evidence for the B-cell nature of hairy cells: a study with monoclonal antibodies. Pagnucco G, et al. **Riv Emoter Immunoematol** 1986;33(1):27-39

Case report 410: Hairy cell leukemia infiltrating the femora. Peterson C, et al. **Skeletal Radiol** 1987;16(1):82-6

[Differentiation of human malignant myeloid and lymphoid cells] Degos L. **Nouv Rev Fr Hematol** 1987;29(1):37-41 (Eng. Abstr.) **(Fre)**

[Diagnosis and prognosis of hairy cell leukemia] Hill W, et al. **Klin Wochenschr** 1987 Jul 15;65(14):691-8 (Eng. Abstr.) **(Ger)**

[Hairy cell leukemia (leukemic reticuloendotheliosis). A diagnostic challenge for both the clinician and pathologist] Jenssen H, et al. **Tidsskr Nor Laegeforen** 1987 May 30; 107(15):1332-4 (Eng. Abstr.) **(Nor)**

[Morphofunctional characteristics of erythroid and myeloid

bone marrow cells in hairy cell leukemia] Sukiasova TG, et al. **Gematol Transfuziol** 1986 Sep;31(9):21–6 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Gonadal and sexual function in male patients with hairy cell leukemia: lack of adverse effects of recombinant alpha 2–interferon treatment. Schilsky RL, et al. **Cancer Treat Rep** 1987 Feb;71(2):179–81

THERAPY

Peripheral blood remission of hairy cell leukemia after transfusion hepatitis. Keefer MJ, et al. **Am J Hematol** 1987 Jul;25(3):277–84

Clinical trials in hairy cell leukemia. Current status and future directions. Cheson BD, et al. **Ann Intern Med** 1987 Jun; 106(6):871–8 (71 ref.)

The treatment of hairy cell leukemia. Golomb HM. **Blood** 1987 Apr;69(4):979–83

Low–dose deoxycoformycin in the treatment of hairy cell leukemia. Kraut EH, et al. **Blood** 1986 Nov;68(5):1119–22

c–myc and c–fos expression during interferon–alpha therapy for hairy cell leukemia. Lehn P, et al. **Blood** 1986 Oct; 68(4):967–70

Durability of responses to interferon alfa–2b in advanced hairy cell leukemia. Ratain MJ, et al. **Blood** 1987 Mar; 69(3):872–7

Interferon in the treatment of hairy cell leukemia. Thompson JA, et al. **Cancer** 1987 Feb 1;59(3 Suppl):605–9

Hairy–cell leukemia and the surgeon. Eldar S, et al. **Curr Surg** 1986 Nov–Dec;43(6):466–9

A biological approach to optimize interferon treatment in hairy cell leukemia. Gastl G, et al. **Immunobiology** 1986 Sep;172(3–5):262–8

Alpha interferons in the treatment of hairy cell leukemia. Quesada JR. **Immunobiology** 1986 Sep;172(3–5):250–4

Alpha–interferon in hairy cell leukaemia: direct effects on hairy cells or indirect cytotoxicity? Sigaux F, et al. **Int J Cancer [Suppl]** 1987;1:2–8

The treatment of hairy cell leukemia with recombinant alfa interferon: a multi–institutional study. Thompson JA, et al. **Invest New Drugs** 1987;5 Suppl:S5–8

Recombinant alpha interferons 1986: a review. Lindquist DL, et al. **Iowa Med** 1987 Jan;77(1):32, 34, 36

Interferon in the treatment of progressive hairy cell leukaemia. Dunne F, et al. **Ir Med J** 1987 Mar;80(3):91–3

Splenectomy in hairy cell leukaemia. Fitzpatrick M, et al. **Ir Med J** 1987 May;80(5):145–7

Hairy cell leukaemia (HCL) [editorial] Bichile SK, et al. **J Assoc Physicians India** 1986 Oct;34(10):685–6

Natural IFN–alpha therapy in hairy–cell leukaemia (namalva–type IFN—Wellferon). Worman CP, et al. **Klin Wochenschr** 1987 Jul 15;65(14):685–7

Hairy–cell leukemia [letter] **N Engl J Med** 1987 Oct 1; 317(14):901–2

Recent advances in the treatment of hairy–cell leukemia [editorial] Golomb HM, et al. **N Engl J Med** 1987 Apr 2;316(14):870–2

Membranoproliferative glomerulonephritis in a patient with hairy–cell leukemia treated with alpha–II interferon [letter] Herrman J, et al. **N Engl J Med** 1987 Jan 8;316(2):112–3

Antibodies in patients with hairy–cell leukemia receiving alpha–2b interferon [letter] Jacobs SL, et al. **N Engl J Med** 1986 Nov 27;315(22):1418

Alpha interferon therapy in hematologic malignancies. Keegan P, et al. **NJ Med** 1987 Feb;84(2):125–8

Sequential evaluation of alpha–2b–interferon treatment in 128 patients with hairy cell leukemia. Golomb HM, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 2):13–7

Hairy cell leukemia: a model for studying the B cell family of diseases. Al–Katib A, et al. **Semin Oncol** 1986 Dec;13(4 Suppl 5):48–54

Therapeutic approaches to the treatment of hairy cell leukemia. Portlock CS. **Semin Oncol** 1986 Dec;13(4 Suppl 5):55–9

The role of interferon in the treatment of hairy cell leukemia. Ratain MJ, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 2):21–8 (46 ref.)

[Hairy cell leukemia. Current therapeutic data on interferon] Flandrin G, et al. **Rev Med Interne** 1987 Mar–Apr; 8(2):191–4 **(Fre)**

[Effectiveness of gamma interferon and alpha interferon in hairy cell leukemia] Niederle N, et al. **Klin Wochenschr** 1987 Jul 15;65(14):706–12 (Eng. Abstr.) **(Ger)**

[Recombinant (IFN–alpha 2b) therapy in hairy cell leukemia] Schwarzmeier JD, et al. **Klin Wochenschr** 1987 Jul 15; 65(14):699–705 (Eng. Abstr.) **(Ger)**

[Beta interferon therapy in hairy cell leukemia] von Wussow P, et al. **Klin Wochenschr** 1987 Jul 15;65(14):688–90 (Eng. Abstr.) **(Ger)**

[Low–dose alpha–interferon treatment of hairy cell leukemia] von Wussow P, et al. **Klin Wochenschr** 1987 Jul 15; 65(14):681–4 (Eng. Abstr.) **(Ger)**

[Therapeutic procedure in hairy cell leukemia] von Wussow P. **Klin Wochenschr** 1987 Jul 15;65(14):677–80 **(Ger)**

[Primary treatment of hairy cell leukemia with low–dose human recombinant interferon–alpha–2c (Hr–IFn alpha 2c) in comparison with therapy following splenectomy. Interferon (IFn–alpha 2c) in HCL before or after splenectomy] Pralle H, et al. **Onkologie** 1987 Feb;10(1):5–10 (Eng. Abstr.) **(Ger)**

[A case of hairy cell leukemia complicated with severe infection saved by resection of a huge spleen] Maruyama Y, et al. **Rinsho Ketsueki** 1987 Jan;28(1):90–4 (Eng. Abstr.) **(Jpn)**

TRANSMISSION

HTLV–I and –II. New risks for recipients of blood transfusions? [editorial] Sandler SG. **JAMA** 1986 Oct 24–31;256(16):2245–6

LEUKEMIA L1210

DIAGNOSIS

Proton relaxation enhancement by manganese(III)TPPS4 in a model tumor system. Fiel RJ, et al. **Magn Reson Imaging** 1987;5(2):149–56

DRUG THERAPY

Characterization of conditions in which dipyridamole enhances methotrexate toxicity in L1210 cells. Muggia FM, et al. **Anticancer Res** 1987 Mar–Apr;7(2):161–6

Reduced thiol content in L1210 cells treated with BSO increases DNA crosslinking by melphalan. Dorr RT. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):47–52

Polyamines antagonize both the antileukemic activity and the reverse transcriptase stimulatory activity of 4,4'–diacetyldiphenylurea bis(guanylhydrazone) (DDUG). Marcus SL, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):422–7

Evaluation of cis–diamminedichloroplatinum(II) combined with metoclopramide or sodium thiosulfate on L1210 leukemia in vitro and in vivo. Catino JJ, et al. **Cancer Chemother Pharmacol** 1986;18(1):1–4

Effects of 5,8–dideazaisopteroylglutamate (IAHQ) on L1210 leukemia in mice when given alone and in combination with methotrexate, probenecid, or verapamil. Hynes JB, et al. **Cancer Chemother Pharmacol** 1986;18(3):231–4

Antitumour activity of 1–naphthol against L1210 leukaemia in vivo and Ehrlich ascites tumour cells in vivo and in vitro. Jones M, et al. **Cancer Lett** 1986 Dec;33(3):347–54

Effects of 7–R–O–methylnogarol (menogaril) on L1210 cell progression in vitro and in vivo. Adams EG, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6125–30

In vitro and in vivo methazolastone–induced DNA damage and repair in L–1210 leukemia sensitive and resistant to chloroethylnitrosoureas. Catapano CV, et al. **Cancer Res** 1987 Sep 15;47(18):4884–9

Response of drug–sensitive and –resistant L1210 leukemias to high–dose chemotherapy. Griswold DP Jr, et al. **Cancer Res** 1987 May 1;47(9):2323–7

Photosensitization of leukemia L1210 cells with diaziquone. Kessel D, et al. **Cancer Res** 1986 Nov;46(11):5587–8

Enhancement of the anticancer activity of bis(2–chloroethyl)nitrosourea in mice by coadministration of 2'–deoxyuridine, 2'–deoxycytidine, or thymidine. Lin TS, et al. **Cancer Res** 1987 Jan 15;47(2):394–7

Comparison of in vivo and in vitro effects of continuous exposure of L1210 cells to 6–thioguanine. Maybaum J, et al. **Cancer Res** 1987 Jun 15;47(12):3083–7

Relative abilities of bis(ethyl) derivatives of putrescine, spermidine, and spermine to regulate polyamine biosynthesis and inhibit L1210 leukemia cell growth. Porter CW, et al. **Cancer Res** 1987 Jun 1;47(11):2821–5

Re: Effects of bidentate malonate ligand on the utilization and cytotoxicity of platinum compounds in the L1210 cell line [letter] Wyrick SD, et al. **Cancer Res** 1987 Sep 15; 47(18):4992

Antagonism of 5–aza–2'–deoxycytidine antileukemic activity by concomitant treatment with cytarabine. Colombo T, et al. **Cancer Treat Rep** 1986 Dec;70(12):1451–3

Multivesicular liposomes containing cytarabine for slow–release Sc administration. Kim S, et al. **Cancer Treat Rep** 1987 May;71(5):447–50

Combination chemotherapy with a new folate analog: activity of 10–ethyl–10–deaza–aminopterin compared to methotrexate with 5–fluorouracil and alkylating agents against advanced metastatic disease in murine tumor models. Schmid FA, et al. **Cancer Treat Rep** 1987 Jul–Aug; 71(7–8):727–32

Demonstration of a schedule–dependent therapeutic synergism utilizing the interacting drugs methotrexate and teniposide in L1210 leukemia. Wampler GL, et al. **Cancer Treat Rep** 1987 Jun;71(6):581–91

Effect of high dose mitozantrone with Cronassial on the Lewis lung carcinoma and L1210 leukaemia. Heilmann K, et al. **Clin Exp Metastasis** 1987 Apr–Jun;5(2):157–63

An in vitro assay for evaluating chemosensitivity of leukaemia cells: preclinical studies. Menconi E, et al. **Int J Tissue React** 1986;8(6):485–92

Biological effects of acetomycin. I. Activity against tumor cells in vitro and in vivo. Mamber SW, et al. **J Antibiot (Tokyo)** 1987 Jan;40(1):73–6

Preparation and antileukemic screening of some new 6'–deoxyhexopyranosyladenine nucleosides. Lerner LM, et al. **J Med Chem** 1987 Aug;30(8):1521–5

Methotrexate analogues. 30. Dihydrofolate reductase inhibition and in vitro tumor cell growth inhibition by N epsilon–(haloacetyl)–L–lysine and N delta–(haloacetyl)–L–ornithine analogues and an acivicin analogue of methotrexate. Rosowsky A, et al. **J Med Chem** 1987 Aug;30(8):1463–9

Anthrapyrazole anticancer agents. Synthesis and structure–activity relationships against murine leukemias. Showalter HD, et al. **J Med Chem** 1987 Jan;30(1):121–31

Comparative antitumor studies on platinum(II) and platinum(IV) complexes containing 1,2–diaminocyclohexane. Vollano JF, et al. **J Med Chem** 1987 Apr;30(4):716–9

Plant antitumor agents. 23. Synthesis and antileukemic activity of camptothecin analogues. Wani MC, et al. **J Med Chem** 1986 Nov;29(11):2358–63

Multicompartment models of cancer chemotherapy incorporating resistant cell populations. Duc HN, et al. **J Pharmacokinet Biopharm** 1987 Apr;15(2):145–77

Synergistic cytotoxicity between menadione and dicumarol vs. murine leukemia L1210. Akman SA, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):486–91

Effects on the monocyte–macrophage system and antitumor activity against L1210 leukemia of cis–bis–cyclopentenecarboxylato–trans–R,R–1,2–diaminocyclohexane –platinum (II) encapsulated in multilamellar vesicles. Perez–Soler R, et al. **JNCI** 1986 Nov;77(5):1137–43

Antitumor activity of erbstatin, a tyrosine protein kinase inhibitor. Imoto M, et al. **Jpn J Cancer Res** 1987 Apr; 78(4):329–32

[Experimental studies of the combination of vincristine and 1,2:5,6–dianhydrogalactitol] Fan YJ, et al. **Yao Hsueh Hsueh Pao** 1987 Feb;22(2):98–102 (Eng. Abstr.) **(Chi)**

[Models of preclinical studies of anthracyclines] Fizames C. **Pathol Biol (Paris)** 1987 Jan;35(1):41–8 (Eng. Abstr.) **(Fre)**

[Effects of derivatives of Ara–C, 5–fluorouracil and nitrosourea against intracerebral implanted L1210 leukemia] Kato T, et al. **Gan To Kagaku Ryoho** 1987 Feb; 14(2):502–5 (Eng. Abstr.) **(Jpn)**

[Spergualin, a new antitumor antibiotic] Takeuchi T. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):845–9 (Eng. Abstr.) **(Jpn)**

[Studies on the mechanisms of resistance to methotrexate—with special emphasis on the change of nucleotide pools] Nobori T, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 May;49(3):661–9 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

5–Fluoro–5'–deoxyuridine is an inhibitor of uridylate nucleotidase in L1210 leukaemia. Roobol C, et al. **Adv Exp Med Biol** 1986;195 Pt B:177–83

Behaviour of lysosomes in the cells of transplantable and natural lymphatic leukaemia in mice in the light of cytoenzymatic and electron microscopic examinations. Madej JA, et al. **Arch Exp Veterinarmed** 1986 Jul; 40(4):486–95

Separation of two isozymes of polyamine oxidase from murine L1210 leukemia cells. Libby PR, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):528–35

Differential turnover of the subunits of ribonucleotide reductase in synchronized leukemia L1210 cells. Rubin EH, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6165–8

Studies on methylglyoxal. II. Changes of methylglyoxal level accompanying the changes of glyoxalase I and II activities in mice bearing L1210 leukemia and sarcoma 180. Matsuura T, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):2926–30

The structure of mouse L1210 dihydrofolate reductase–drug complexes and the construction of a model of human enzyme. Stammers DK, et al. **FEBS Lett** 1987 Jun 22; 218(1):178–84

Effects of air ions on the membrane Na, K–ATPase activity of L 1210 cells. Witkowski JM, et al. **Gen Physiol Biophys** 1986 Oct;5(5):505–9

L1210 dihydrofolate reductase. Kinetics and mechanism of activation by various agents. Duffy TH, et al. **J Biol Chem** 1987 May 25;262(15):7028–33

gamma–Glutamyl transpeptidase (gamma–GT) and maintenance of thiol pools in tumor cells resistant to alkylating agents. Ahmad S, et al. **J Cell Physiol** 1987 May; 131(2):240–6

Role of proliferation in determining sensitivity to topoisomerase II–active chemotherapy agents. Sullivan DM, et al. **NCI Monogr** 1987;(4):73–8

DNA unwinding and inhibition of mouse leukemia L1210 DNA topoisomerase I by intercalators. Pommier Y, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6713–31

[Histoenzymatic and ultrastructural studies of plasma membranes of lymphoid cells in mice with transplantable leukemia L1210] Madej JA, et al. **Arch Exp Veterinarmed** 1986 Nov;40(6):939–47 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Serological analysis of H–2 antigens expression on the cell surface of drug– and lectin–resistant mouse tumor cells. Opolski A, et al. **Arch Immunol Ther Exp (Warsz)** 1986; 34(1):21–34

I–Ad antigen expression of pyran copolymer–induced peritoneal cells in tumor vaccine–primed mice and its association with the host antitumor response. Oh–hashi F, et al. **Cancer Immunol Immunother** 1987;24(1):57–63

Rejection of reovirus–treated L1210 leukemia cells by mice.

Williams ME, et al. **Cancer Immunol Immunother** 1986; 23(2):87–92

Involvement of cytotoxic T–lymphocytes in the antitumor activity of spergualin against L1210 cells. Umezawa H, et al. **Cancer Res** 1987 Jun 15;47(12):3062–5

Identification and characterization of a unique tumor–associated surface antigen on L1210 leukemia cells recognized by semisyngeneic antisera. Yokochi T, et al. **Cancer Res** 1987 Feb 15;47(4):1006–9

L1210/DTIC antigenic subline: studies at the clone level. Marelli O, et al. **Eur J Cancer Clin Oncol** 1986 Nov; 22(11):1401–5

Mechanisms of immunological response induced in CD2F1 mice by administration of semisyngeneic L 1210 leukemia cells treated with cyclophosphamide. Skórski T, et al. **Immunol Invest** 1987 Mar;16(1):33–43

Establishment of a murine leukemia L1210–specific T–cell clone displaying novel in vivo anti–tumor activity. Nagase F, et al. **Int J Cancer** 1986 Dec 15;38(6):907–14

Induction of antitumor resistance to mouse leukemia L1210 by spergualins. Ishizuka M, et al. **J Antibiot (Tokyo)** 1986 Dec;39(12):1736–43

Development of host–dependent high–grade tumor–specific immunity through a novel mechanism triggered by the Lyt–2+ tumor–specific T cell clone (K7L) that induces temporal growth of L1210 leukemia–K7L–variant. Nagase F, et al. **J Immunol** 1987 Apr 1;138(7):2359–65

Tumor–specific idiotype vaccines. II. Analysis of the tumor–related network response induced by the tumor and by internal image antigens (Ab2 beta). Raychaudhuri S, et al. **J Immunol** 1987 Jul 1;139(1):271–8

Activated macrophage–mediated cytotoxicity: use of the in vitro cytotoxicity assay for study of bioenergetic and biochemical changes that develop in tumor target cells. Hibbs JB Jr, et al. **Methods Enzymol** 1986;132:508–20

The use of allogeneic stimulation and exogenous interleukin for syngeneic tumor rejection. Sherburne CG, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):628–31

METABOLISM

Receptors for transferrin and transcobalamin II display segregated distribution on microvilli of leukemia L1210 cells. Kishimoto T, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1102–8

Persulfide sulfur is a growth factor for cells defective in sulfur metabolism. Toohey JI. **Biochem Cell Biol** 1986 Aug; 64(8):758–65

Membrane transport of mitoxantrone by L1210 leukemia cells. Burns CP, et al. **Biochem Pharmacol** 1987 Mar 15; 36(6):857–60

Carrier–mediated transport of folate compounds in L1210 cells. Initial rate kinetics and extent of duality of entry routes for folic acid and diastereomers of 5–methyltetrahydrohomofolate in the presence of physiological anions. Sirotnak FM, et al. **Biochem Pharmacol** 1987 May 15;36(10):1659–67

A trypsin inhibitor isolated from lymphatic leukemia cells. Hoser G, et al. **Biomed Biochim Acta** 1986;45(9):1127–33

Role of thymidylate synthetase in the cytostatic activity of pyrimidine nucleoside analogues. Balzarini J. **Bull Mem Acad R Med Belg** 1985;140(11):432–40

The role of methionine in methotrexate–sensitive and methotrexate–resistant mouse leukemia L1210 cells. Scanlon KJ, et al. **Cancer Chemother Pharmacol** 1987; 19(1):25–9

Inhibition of methionine uptake by methotrexate in mouse leukemia L1210 cells. Scanlon KJ, et al. **Cancer Chemother Pharmacol** 1987;19(1):21–4

Decreased cisplatin uptake by resistant L1210 leukemia cells. Hromas RA, et al. **Cancer Lett** 1987 Aug;36(2):197–201

Glutathione depletion reverses cisplatin resistance in murine L1210 leukemia cells. Hromas RA, et al. **Cancer Lett** 1987 Jan;34(1):9–13

Proposed mechanism of therapeutic selectivity for 9–beta–D–arabinofuranosyl–2–fluoroadenine against murine leukemia based upon lower capacities for transport and phosphorylation in proliferative intestinal epithelium compared to tumor cells. Barrueco JR, et al. **Cancer Res** 1987 Feb 1;47(3):700–6

Multiple mechanisms of resistance to cis–diamminedichloroplatinum(II) in murine leukemia L1210 cells. Richon VM, et al. **Cancer Res** 1987 Apr 15; 47(8):2056–61

Effects of N–hydroxy–N'–aminoguanidine derivatives on ribonucleotide reductase activity, nucleic acid synthesis, clonogenicity, and cell cycle of L1210 cells. Weckbecker G, et al. **Cancer Res** 1987 Feb 15;47(4):975–8

Action of 7–ethylcamptothecin on tumor cells and its disposition in mice. Nagata H, et al. **Cancer Treat Rep** 1987 Apr;71(4):341–8

The effects of adriamycin on intracellular calcium concentrations of L1210 murine leukemia cells. Keyes SR, et al. **Eur J Cancer Clin Oncol** 1987 Mar;23(3):295–302

Effect of air ions on L 1210 cells: changes in fluorescence of membrane–bound 1,8–aniline–naphthalene–sulfonate (ANS) after in vitro exposure of cells to air ions. Jaśkowski J, et al. **Gen Physiol Biophys** 1986 Oct;5(5):511–5

Restoration of hyperthermia–associated increased protein to DNA ratio of nucleoids. Simpson TA Jr, et al. **Int J Hyperthermia** 1987 Jan–Feb;3(1):49–62

Effects of acivicin and dichloroallyl lawsone upon pyrimidine biosynthesis in mouse L1210 leukemia cells. Kemp AJ, et al. **J Biol Chem** 1986 Nov 15;261(32):14891–5

The effects on 4–aminoantifolates on 5–formyltetrahydrofolate metabolism in L1210 cells. A biochemical basis of the selectivity of leucovorin rescue. Matherly LH, et al. **J Biol Chem** 1987 Jan 15;262(2):710–7

Structure–activity relationships of sparsomycin and its analogues. Inhibition of peptide bond formation in cell–free systems and of L1210 and bacterial cell growth. van den Broek LA, et al. **J Med Chem** 1987 Feb;30(2):325–33

p53 content in relation to cell growth and proliferation in murine L1210 leukemia and normal lymphocytes. Darzynkiewicz Z, et al. **Leuk Res** 1986;10(12):1383–9

Differential sensitization of human ovarian carcinoma and mouse L1210 cells to cisplatin and melphalan by glutathione depletion. Andrews PA, et al. **Mol Pharmacol** 1986 Dec;30(6):643–50

Protein–linked DNA strand breaks produced by etoposide and teniposide in mouse L1210 and human VA–13 and HT–29 cell lines: relationship to cytotoxicity. Kerrigan D, et al. **NCI Monogr** 1987;(4):117–21

Proposed structure of the tumor–localizing fraction of HPD (hematoporphyrin derivative). Kessel D. **Photochem Photobiol** 1986 Aug;44(2):193–6

Sites of photosensitization by derivatives of hematoporphyrin. Kessel D. **Photochem Photobiol** 1986 Oct;44(4):489–93

Mechanisms of action of 5–fluorouracil on metabolism of RNA in special reference to polysome of L1210 cells. Sato T, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1986 Dec; 33(1–4):33–7

[The metabolism of high–molecular–weight substances in cells and the effect of anticancer drugs] Kanamaru R, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):837–44 (Eng. Abstr.) **(Jpn)**

[Characteristics of beta–adrenoreceptors of L–1210 leukemia and its sarcolysine–resistant variant] Khabarov SV. **Biull Eksp Biol Med** 1987 Jun;103(6):715–7 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Calcium ion–dependent proliferation of L1210 cells in culture. Cory JG, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):556–62

Inhibition of tumor cell growth in vitro and in vivo by 2–methyl 9–hydroxyellipticinium entrapped within phospholipid vesicles. Sautereau AM, et al. **Biopharm Drug Dispos** 1986 Jul–Aug;7(4):357–71

Anticancer agents coupled to N–(2–hydroxypropyl)methacrylamide copolymers. I. Evaluation of daunomycin and puromycin conjugates in vitro. Duncan R, et al. **Br J Cancer** 1987 Feb;55(2):165–74

DNA damage in cultured L1210 cells by 2–haloethyl esters of (methylsulfonyl)methanesulfonic acid. Alexander JA, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6024–8

Clonal variation in tumorigenicity of L1210 lymphoma cells: nontumorigenic variants with an enhanced expression of tumor–associated antigen and Ia antigens. Fuji H, et al. **Cancer Res** 1986 Nov;46(11):5541–7

Topoisomerase II–mediated DNA breaks and cytotoxicity in relation to cell proliferation and the cell cycle in NIH 3T3 fibroblasts and L1210 leukemia cells. Markovits J, et al. **Cancer Res** 1987 Apr 15;47(8):2050–5

Relationship between the intracellular effects of camptothecin and the inhibition of DNA topoisomerase I in cultured L1210 cells. Mattern MR, et al. **Cancer Res** 1987 Apr 1;47(7):1793–8

Correlation of biochemical effects and incorporation of 3–deazaguanine into nucleic acids to cytotoxicity in L1210 cells. Pieper RO, et al. **Cancer Res** 1986 Oct;46(10):4960–5

Comparison and characterization of growth inhibition in L1210 cells by alpha–difluoromethylornithine, an inhibitor of ornithine decarboxylase, and N1,N8–bis(ethyl)spermidine, an apparent regulator of the enzyme. Porter CW, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6279–85

Proliferation–dependent topoisomerase II content as a determinant of antineoplastic drug action in human, mouse, and Chinese hamster ovary cells. Sullivan DM, et al. **Cancer Res** 1987 Aug 1;47(15):3973–9

Effect of cyclophosphamide on the proliferation of L 1210 ascites tumour cells and of jejunal crypt cells in the mouse. Schäfer E, et al. **Cell Tissue Kinet** 1986 Jul;19(4):437–47

Cellular composition of spleen and peritoneal exudate in mice after injection of cyclophosphamide–treated L 1210 leukemia cells. Skórski T, et al. **Folia Histochem Cytobiol** 1987;25(1):23–7

Growth and DNA synthesis of folate– and methionine–depleted L1210 mouse leukemia cells in culture. Karasawa M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1987 Feb;33(1):21–30

Factors influencing the growth and metastatic behavior of tumors. Murthy MS, et al. **J Surg Oncol** 1987 May; 35(1):44–9

Tumor localization and photosensitization by sulfonated derivatives of tetraphenylporphine. Kessel D, et al. **Photochem Photobiol** 1987 Jun;45(6):787–90

Antiproliferative activity of derivatives of trans–bis(salicylaldoximato)copper(II) in vitro. Some in vivo properties of the parent compound. Elo H, et al. **Z Naturforsch [C]** 1986 Sep–Oct;41(9–10):951–5

[Effect of camphoramine chloroacetic platinum (CCP) on biomacromolecules in L1210 leukemic cells] Wang LG, et al. **Yao Hsueh Hsueh Pao** 1987 Feb;22(2):87–92 (Eng. Abstr.) **(Chi)**

[Mechanisms of resistance of anticancer drugs and trials for overcoming their resistance] Nobori T, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1460–7 (Eng. Abstr.) **(Jpn)**

[Behavior and role of mastocytes and eosinophils in natural and transplantable lymphatic leukemia in mice] Madej JA, et al. **Pol Arch Weter** 1986;26(1–2):81–93 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Expressions of resistance and cross–resistance in teniposide–resistant L1210 cells. Roberts D, et al. **Cancer Chemother Pharmacol** 1987;19(2):123–30

RADIONUCLIDE IMAGING

Assessment of labeled 5–fluorouracils for nuclear scintigraphy. Russ GA, et al. **Int J Rad Appl Instrum [B]** 1986;13(3):301–2

THERAPY

Adoptive immunity in mice challenged with L1210/DTIC clones. Canti G, et al. **Cancer Immunol Immunother** 1987; 24(1):64–7

Synergy between low–dose chemotherapy and immunotherapy in mouse L1210 leukemia. Relyveld EH, et al. **Cancer Treat Rep** 1987 Mar;71(3):241–6

Antitumor activity against L1210 mouse leukemia of immunotoxins containing a monoclonal antibody to the glycolipid globotriaosylceramide. Junqua S, et al. **Immunol Lett** 1987 Jan;14(2):167–72

Chemoimmunotherapy of L1210 leukemia with adriamycin, cyclophosphamide, and OK–432, and their effects on the generation of antitumor immunity. Ujiie T. **Jpn J Cancer Res** 1987 Jul;78(7):737–47

Adoptive immunotherapy against a local or widespread tumor of a highly malignant and poorly immunogenic mouse leukemia L1210. Naguma E, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Sep;49(6):1212–21

LEUKEMIA L5178 see under **LEUKEMIA, EXPERIMENTAL**

LEUKEMIA, LYMPHOBLASTIC

Leukemia of the nervous system. A clinical analysis of 22 cases. Wei GZ. **Chin Med J [Engl]** 1986 Feb;99(2):105–10

Noninvasive testicular screening in childhood leukemia. Klein EA, et al. **J Urol** 1986 Oct;136(4):864–6

PER–117: a new human ALL cell line with an immature thymic phenotype. Kees UR, et al. **Leuk Res** 1987; 11(5):489–98

Preleukemic cases in the Department of Pediatrics, School of Medicine, University of North Sumatera/Dr. Pirngadi Hospital Medan. Siregar AA, et al. **Paediatr Indones** 1986 Mar–Apr;26(3–4):62–8

Acute lymphoblastic leukemia in adults: recent progress, future directions. Hoelzer D, et al. **Semin Hematol** 1987 Jan;24(1):27–39 (139 ref.)

BLOOD

Analysis of cell proteins in lymphoblasts of acute lymphocytic leukemia by two–dimensional gel electrophoresis. Tsuchiya H, et al. **Acta Haematol (Basel)** 1987;77(2):65–71

Ascorbic acid and cancer. Lohmann W. **Ann NY Acad Sci** 1987;498:402–17 (19 ref.)

Protein A and acid alpha–1–glycoprotein as factors discriminating immunoglobulins G in children suffering from leukemias. Wróblewski Z, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(1):85–91

Acute lymphoblastic leukemia hand–mirror cells with OKT 8 phenotype. Liso V, et al. **Blut** 1986 Oct;53(4):315–9

Abnormal proliferation of T–colony–forming cells from peripheral blood of patients with T–cell acute lymphoblastic leukaemias and lymphomas in complete remission: potential prognostic value. Allouche M, et al. **Br J Haematol** 1987 Apr;65(4):411–8

Depressed fibrinolysis in patients with acute leukaemia. Guarini A, et al. **Br J Haematol** 1987 Jul;66(3):327–30

The morphological spectrum of T–prolymphocytic leukaemia. Matutes E, et al. **Br J Haematol** 1986 Sep; 64(1):111–24

The relationship between chronic lymphocytic leukaemia and prolymphocytic leukaemia. II. Patterns of evolution of 'prolymphocytoid' transformation. Melo JV, et al. **Br J Haematol** 1986 Sep;64(1):77–86

The relationship between chronic lymphocytic leukaemia and prolymphocytic leukaemia. III. Evaluation of cell size by morphology and volume measurements. Melo JV, et al. **Br J Haematol** 1986 Nov;64(3):469–78

Clinical significance of serum ferritin and leukocyte ferritin estimation in adult leukemias. Chen LL, et al. **Chin Med J [Engl]** 1987 Jan;100(1):63–7

Ketoconazole pharmacokinetics during chronic dosing in adults with haematological malignancy. Stockley RJ, et al. **Eur J Clin Microbiol** 1986 Oct;5(5):513–7

Quantitative evaluation of leukemic mitochondria with a computer–controlled image analyzer. Iwama Y, et al. **Virchows Arch [B]** 1986;51(5):375–84

[Discussion of changes in the fibronectin concentration in acute leukemia] Deng CQ, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun;18(2):188–90 (Eng. Abstr.) **(Chi)**

[Determination of methotrexate concentration in serum: comparison between capillary and venous blood] Bömelburg T, et al. **Klin Padiatr** 1987 May–Jun; 199(3):230–2 (Eng. Abstr.) **(Ger)**

[Changes in the blood–cerebrospinal fluid barrier for serum proteins in children with acute lymphatic leukemia] Ludwig R, et al. **Klin Wochenschr** 1987 Jan 15;65(2):76–81 (Eng. Abstr.) **(Ger)**

[Characterization of KOPB–26 established from the peripheral blood of a patient with non–Burkitt's type B–ALL] Nishino K, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Aug;49(5):1047–57 (Eng. Abstr.) **(Jpn)**

[Structure of the interphase chromatin in the peripheral blood cells of children with acute lympholeukemia and in their healthy parents] Iudina IE, et al. **Biull Eksp Biol Med** 1987 May;103(5):573–5 (Eng. Abstr.) **(Rus)**

[Ultrastructural characteristics of the blood lymphocytes in some forms of sporadic T-cell lympholeukemia and leukemia associated with the HTLV virus] Butenko ZA, et al. **Eksp Onkol** 1986;8(5):54–8 (Eng. Abstr.) **(Rus)**

[Retrospective analysis of the initial clinical hematological data, course and outcome of acute lymphoblastic leukemia in children with a relapse–free course of the disease of over 5 years] Kisliak NS, et al. **Gematol Transfuziol** 1987 Feb; 32(2):8–14 (Eng. Abstr.) **(Rus)**

[Morphofunctional characteristics of blasts in lymphoblastic leukemia and lymphoblastic lymphosarcoma] Frenkel' MA, et al. **Ter Arkh** 1987;59(6):31–4 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

[Clinical pharmacology of methotrexate (MTX)—altered central nervous system pharmacology of MTX with meningial relapse of childhood leukemia] Matsuoka H, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1856–61 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Terminal deoxynucleotidyl transferase negative acute lymphoblastic leukemia in two offspring of mothers exposed to diethylstilbestrol (DES) in utero. Zeltzer PM, et al. **Am J Pediatr Hematol Oncol** 1986 Winter;8(4):275–9

Lithium and leukaemia—causal or coincidental? [letter] Sudhir M, et al. **J Assoc Physicians India** 1986 Nov; 34(11):824

CLASSIFICATION

Prognostic factors in acute lymphoid leukaemia of childhood. II. Cell surface markers. Révész T, et al. **Acta Paediatr Hung** 1986;27(4):295–301

The morphologic classification of acute lymphoblastic leukemia in childhood. Observations on concordance using a simple scoring system. Childs CC, et al. **Am J Clin Pathol** 1986 Oct;86(4):503–6

Acute lymphocytic leukemia: correlation of clinical features with immunocytochemical classification. Twu B, et al. **Am J Hematol** 1987 May;25(1):13–27

Morphologic, immunologic, and cytogenetic (MIC) working classification of acute lymphoblastic leukemias. Report of the workshop held in Leuven, Belgium, April 22–23, 1985. First MIC Cooperative Study Group. **Cancer Genet Cytogenet** 1986 Nov;23(3):189–97

Morphological and cytochemical classification of adult acute leukemias in two multicenter studies in the Federal Republic of Germany. Löffler H, et al. **Hematol Bluttransfus** 1987;30:21–7

French American British (FAB) morphological classification of childhood lymphoblastic leukaemia and its clinical importance. Lilleyman JS, et al. **J Clin Pathol** 1986 Sep; 39(9):998–1002

Immunohistochemical classification of acute leukemias using peripheral blood smears. Vago JF, et al. **Leuk Res** 1987; 11(5):475–80

Special impact on childhood acute leukemia. Fujimoto T. **Nippon Ketsueki Gakkai Zasshi** 1986 Dec;49(8):1546–54

Adult acute lymphoblastic leukemia—lineage specific classification of 30 cases. Cheng AL, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Oct;85(10):973–83

Morphometrical evaluation of acute leukemic cells by electron microscopy. Discrepancy between morphological characteristics in FAB classification and electron microscopic morphometry. Ochiai F, et al. **Virchows Arch [B]** 1987;52(5):403–11

[Immunologic subclassification of lymphoblastic leukemia in childhood. II. Immunologic phenotype, clinical picture and prognosis] Kolecki P. **Acta Haematol Pol** 1986 Jul–Dec; 17(3–4):103–9 (Eng. Abstr.) **(Pol)**

[Immunologic subclassification of lymphoblastic leukemia in childhood. I. Evaluation of immunologic phenotype] Kolecki P. **Acta Haematol Pol** 1986 Jul–Dec;17(3–4):96–102 (Eng. Abstr.) **(Pol)**

[Acute lymphoblastic leukemia with a mature B–lymphocyte phenotype and preferential centrosomal acid phosphatase activity] Woessner S, et al. **Sangre (Barc)** 1986; 31(5):593–600 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Aspergillus vegetative endocarditis complicated with schizocytic hemolytic anemia in a patient with acute lymphocytic leukemia. Nishiura T, et al. **Acta Haematol (Basel)** 1986;76(1):60–2

Mandibular relapse in acute leukemia. Report of a case. Bernstein ML, et al. **Am J Pediatr Hematol Oncol** 1986 Fall;8(3):240–4

Prevalence of obesity in children after therapy for acute lymphoblastic leukemia. Zee P, et al. **Am J Pediatr Hematol Oncol** 1986 Winter;8(4):294–9

Infection prophylaxis in acute leukemia: a comparison of ciprofloxacin with trimethoprim–sulfamethoxazole and colistin. Dekker AW, et al. **Ann Intern Med** 1987 Jan; 106(1):7–11

Oral norfloxacin for prevention of gram–negative bacterial infections in patients with acute leukemia and granulocytopenia. A randomized, double–blind, placebo–controlled trial. Karp JE, et al. **Ann Intern Med** 1987 Jan;106(1):1–7

Delta hepatitis outbreak in a group of patients with leukemia [letter] Ratner L. **Ann Intern Med** 1986 Dec;105(6):972

The impact of leukemia status at the time of HLA–identical sibling marrow transplantation on subsequent complication rate and survival of adults with acute leukemia. Atkinson K, et al. **Aust NZ J Med** 1986 Aug;16(4):462–9

No adverse prognostic influence of hepatitis B virus infection in acute childhood lymphoblastic leukemia. Lampert F, et al. **Blut** 1987 Aug;55(2):115–20

Acute lymphoblastic leukaemia in a child with familial Pelger–Huet anomaly. Oneson R, et al. **Br J Haematol** 1987 Jun;66(2):193–7

Mortality and morbidity caused by measles in children with malignant disease attending four major treatment centres: a retrospective review. Gray MM, et al. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):19–22

The spectrum of metabolic bone disease in lymphoblastic leukemia. Cohn SL, et al. **Cancer** 1987 Jan 15;59(2):346–50

Acute gangrene of the scrotum and penis in four hematologic patients. The usefulness of hyperbaric oxygen therapy in one case. Radaelli F, et al. **Cancer** 1987 Oct 1;60(7):1462–4

Remission of acute lymphoblastic leukemia of childhood following acute infectious disease. A case report. Zhu XQ, et al. **Chin Med J [Engl]** 1986 May;99(5):433–4

The latency of the visual evoked potential as an index of myelin disturbance in children treated for acute lymphoblastic leukemia. O'Hare AE, et al. **Clin Electroencephalogr** 1987 Apr;18(2):68–73

Infection and transfusion therapy in acute leukaemia. Ho WG, et al. **Clin Haematol** 1986 Aug;15(3):873–904 (215 ref.)

Adult acute lymphoblastic leukaemia presenting with bone marrow aplasia. Dharmasena F, et al. **Clin Lab Haematol** 1986;8(4):361–4

Gaucher's disease associated with chronic lymphocytic leukaemia. Kaufman S, et al. **Clin Lab Haematol** 1986; 8(4):321–4

Inflammatory bowel disease and leukemia. A report of seven cases of leukemia in ulcerative colitis and Crohn's disease and review of the literature. Mir Madjlessi SH, et al. **Dig Dis Sci** 1986 Oct;31(10):1025–31

Passive and active anti–hepatitis B immunization of children with hematological malignancies. Boguslawska–Jaworska J, et al. **Hematol Bluttransfus** 1987;30:530–4

Incidence and treatment of fungal infections in neutropenic patients. von Paleske A, et al. **Hematol Bluttransfus** 1987; 30:545–6

Hypercalcemia in acute lymphatic leukemia. Pomeranz A, et al. **Int J Pediatr Nephrol** 1986 Oct–Dec;7(4):217–20

Intensive therapy for life–threatening medical complications of haematological malignancy. Lloyd–Thomas AR, et al. **Intensive Care Med** 1986;12(4):217–24

Hypercalcaemia in T cell acute lymphoblastic leukaemia: report of two cases. Laffan MA, et al. **J Clin Pathol** 1986 Oct;39(10):1143–6

Forearm compartment syndrome secondary to leukemic infiltrates. Trumble T. **J Hand Surg [Am]** 1987 Jul; 12(4):563–5

Molecular epidemiology of live, attenuated varicella virus vaccine in children with leukemia and in normal adults. Gelb LD, et al. **J Infect Dis** 1987 Apr;155(4):633–40

Disseminated cutaneous Fusarium infection with vascular invasion in a leukemic patient. Okuda C, et al. **J Med Vet Mycol** 1987 Jun;25(3):177–86

Patterns and significance of oral hemorrhage in acute leukemia. Barrett AP. **J Oral Med** 1986 Jul–Sep;41(3):193–6

Back pain and vertebral compression: an uncommon presentation of childhood acute lymphoblastic leukemia. Samuda GM, et al. **J Pediatr Orthop** 1987 Mar–Apr; 7(2):175–8

Acute lymphoblastic leukaemia presenting as aplastic anaemia. Cheng PN, et al. **J R Soc Med** 1987 Feb; 80(2):116–8

Urolithiasis in childhood acute leukemia and nonHodgkin's lymphoma. Pui CH, et al. **J Urol** 1986 Nov;136(5):1052–4

Pneumocystis carinii pneumonitis in adults with acute lymphoblastic leukaemia [letter] Milligan DW, et al. **Lancet** 1987 Apr 11;1(8537):867

Treatment for Pneumocystis carinii infection in leukaemia [letter] Shaw NJ, et al. **Lancet** 1987 Aug 29;2(8557):518–9

Intravenous gamma–globulin combined with platelet transfusions as treatment for a patient with acute lymphatic leukaemia and non–specific antiplatelet antibodies. Netten P, et al. **Neth J Med** 1986;29(12):402–5

A child with acute lymphoblastic leukemia complicated by pericardial effusion. Horikoshi T, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Jul;49(4):900–6

Alternaria infection in a patient with acute lymphocytic leukemia. Body BA, et al. **Pediatr Infect Dis J** 1987 Apr; 6(4):418–20

Fatal Legionella pneumonitis in a neutropenic leukemic child. Gutzeit MF, et al. **Pediatr Infect Dis J** 1987 Jan;6(1):68–9

Pulmonary alveolar septal calcinosis causing progressive respiratory failure in acute lymphoblastic leukemia in childhood. Sinniah D, et al. **Pediatr Pathol** 1986;6(4):439–48

Hodgkin's disease in an adult with acute lymphoblastic leukaemia. Zuiable A, et al. **Postgrad Med J** 1986 Jun; 62(728):487–8

Subacute leukoencephalopathy complicating acute lymphoblastic leukemia [clinical conference] Filloux FM, et al. **West J Med** 1987 Feb;146(2):207–12

[Special examination and management of oral conditions in acute leukemia in children] Chong RQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jul;21(4):221–2 **(Chi)**

[Occlusion of the central vein and artery of the retina caused by infiltration of the optic nerve in lymphoblastic acute leukemia] Badelon I, et al. **Bull Soc Ophtalmol Fr** 1986 Mar;86(3):261–4 **(Fre)**

[Immunoglobulin administration as infection prevention in oncologic patients] Bode U, et al. **Klin Padiatr** 1986 Nov–Dec;198(6):476–8 (Eng. Abstr.) **(Ger)**

[Isolated cerebral mucormycosis in leukemia] Bachor R, et al. **Mykosen** 1986 Nov;29(11):497–501 (Eng. Abstr.) **(Ger)**

[Occurrence of minor anomalies in children treated for leukemia and malignant tumors] Fekete G, et al. **Orv Hetil** 1987 Apr 5;128(14):725–8 (Eng. Abstr.) **(Hun)**

[A case of systemic trichosporon infection associated with acute lymphocytic leukemia] Shimazu K, et al. **Kansenshogaku Zasshi** 1987 Mar;61(3):362–7 (Eng. Abstr.) **(Jpn)**

[Childhood acute lymphoblastic leukemia with osteoporosis and compression fracture of vertebrae: report of a case and review of the literature] Koga H, et al. **Rinsho Ketsueki** 1986 Jun;27(6):898–902 (Eng. Abstr.) **(Jpn)**

[A case of acute lymphoblastic leukemia (ALL) with severe disseminated intravascular coagulation (DIC)—serum LDH level in ALL and its relation with DIC] Tokushige K, et al. **Rinsho Ketsueki** 1987 Mar;28(3):398–401 (Eng. Abstr.) **(Jpn)**

[Progressive multifocal leukoencephalopathy in a child with acute lymphocytic leukemia] Yamamoto M, et al. **Rinsho Ketsueki** 1987 Apr;28(4):541–6 (Eng. Abstr.) **(Jpn)**

[Diabetes insipidus in acute leukemia] Dolva LO, et al. **Tidsskr Nor Laegeforen** 1986 Sep 30;106(27):2241–3 (Eng. Abstr.) **(Nor)**

[Characteristics of the diagnosis and treatment of secondary pneumonia in acute leukemia] Iakovlev VN, et al. **Ter Arkh** 1987;59(6):21–7 (Eng. Abstr.) **(Rus)**

[Poland syndrome and leukemia] Esquembre C, et al. **An Esp Pediatr** 1987 Feb;26(2):149–50 **(Spa)**

[Spontaneous pneumomediastinum in a young patient with acute lymphoblastic leukemia (letter)] Jarque I, et al. **Sangre (Barc)** 1986;31(6):772–3 **(Spa)**

CONGENITAL

Reciprocal translocation (11;19)(q23;p13) in congenital acute lymphoblastic leukemia. Heim S, et al. **Cancer Genet Cytogenet** 1986 Nov;23(3):239–44

DIAGNOSIS

Reactivity of monoclonal antibodies LAU–A1 and anti–Y 29/55 in T and B cell malignancies of children: correlation with immunological markers and clinical data. Hirt A, et al. **Acta Haematol (Basel)** 1986;76(1):9–15

Simultaneous evaluation of terminal deoxynucleotidyl transferase and myeloperoxidase in acute leukemias using an immunocytochemical method. Kaplan SS, et al. **Am J Clin Pathol** 1987 Jun;87(6):732–8

Leukemia diagnosis and testing of complement–fixing antibodies for bone marrow purging in acute lymphoid leukemia. Campana D, et al. **Blood** 1986 Dec;68(6):1264–71

T–cell prolymphocytic leukemia (T–PLL) with unique surface phenotype. Lohmeyer J, et al. **Blut** 1987 Apr; 54(4):223–9

Social support and psychological distress of parents of children with acute lymphocytic leukaemia. Magni G, et al. **Br J Med Psychol** 1986 Dec;59 (Pt 4):383–5

Splenic infiltration preceding the hypoplastic presentation of common acute lymphoblastic leukaemia [letter] Dalton RG, et al. **Clin Lab Haematol** 1987;9(1):96–8

Acute lymphoblastic leukemia of childhood monitored by bacteriocin and flowcytometry. Musclow CE, et al. **Eur J Cancer Clin Oncol** 1987 Apr;23(4):411–8

Pericarditis in the course of acute leukemia. Nowicka J, et al. **Folia Haematol (Leipz)** 1987;114(2):220–33

Acute leukemia with lymphoid/myeloid cell populations (hybrid leukemia). Case reports. Iacopino P, et al. **Haematologia (Budap)** 1986;19(2):117–20

Morphologic, cytochemical and immunological profile in T–cell acute lymphoblastic leukemia of childhood.

Cantù-Rajnoldi A, et al. **Haematologica (Pavia)** 1986 Nov-Dec;71(6):467-72

Acute lymphoblastic leukemia in a young adult. Mauer AM. **Hosp Pract [Off]** 1987 Sep 15;22(9):145-50, 155-62

Acute otitis externa—an unusual presentation of relapse of acute lymphoblastic leukaemia. Sharma SC, et al. **Indian J Pathol Microbiol** 1986 Jul;29(3):215-7

Ocular relapse in the anterior chamber in childhood acute lymphoblastic leukemia. Bunin N, et al. **J Clin Oncol** 1987 Feb;5(2):299-303

Systemic rhabdomyosarcoma presenting as leukemia: case report with ultrastructural study and reviews. Huntrakoon M, et al. **J Surg Oncol** 1987 Aug;35(4):259-65 (17 ref.)

Seminoma in an adult with acute lymphocytic leukemia. Musmanno MC, et al. **J Urol** 1986 Nov;136(5):1083-5

Bridging the gap between acute lymphoid and acute myeloid leukaemias [editorial] Januszewicz EH. **Med J Aust** 1987 Jun 15;146(12):614-5

[Difficulties in the diagnosis and therapy of patients with tumors of the lymphatic system] de Gast GC, et al. **Ned Tijdschr Geneeskd** 1986 Sep 20;130(38):1681-4 **(Dut)**

[Neuropathy of the chin as an early sign of acute lymphoblastic leukemia simulating lupus (letter)] Trèves R, et al. **Rev Rhum Mal Osteoartic** 1986 Nov;53(11):669-70 **(Fre)**

[Herpesvirus infections in children with acute lymphatic leukemia] Färber I, et al. **Klin Padiatr** 1986 Nov-Dec; 198(6):471-5 (Eng. Abstr.) **(Ger)**

[Changes in the vertebrae as an initial symptom of leukemia] Slavc I, et al. **Padiatr Padol** 1987;22(1):59-65 (Eng. Abstr.) **(Ger)**

[Hypereosinophilic syndrome in acute lymphatic leukemia] Nadal D, et al. **Schweiz Med Wochenschr** 1986 Aug 23; 116(34):1151-4 (Eng. Abstr.) **(Ger)**

[Serological and immunomolecular markers for the diagnosis of hematopoietic tumors] Ueda R, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2176-84 (Eng. Abstr.) **(Jpn)**

[Effects of routine examinations of the bone marrow and cerebrospinal fluid on the prognosis of relapsed childhood acute lymphocytic leukemia] Bessho F, et al. **Rinsho Ketsueki** 1987 Jan;28(1):9-15 (Eng. Abstr.) **(Jpn)**

[Prolymphocytic leukemia] Katayama I, et al. **Rinsho Ketsueki** 1986 Jun;27(6):841-51 (70 ref.) **(Jpn)**

[Studies on the initial features and prognosis in 21 infants with acute lymphoblastic leukemia. Children's Cancer and Leukemia Study Group] Kawai S, et al. **Rinsho Ketsueki** 1987 May;28(5):721-9 (Eng. Abstr.) **(Jpn)**

[Pleural and pericardial effusion in a case of acute lymphoblastic leukemia] Miyawaki S, et al. **Rinsho Ketsueki** 1987 Apr;28(4):629-33 (Eng. Abstr.) **(Jpn)**

[Delay in diagnosing leukemia manifesting itself as superior vena cava syndrome] Depowska T, et al. **Pol Tyg Lek** 1986 Oct 27;41(43):1384-5 **(Pol)**

[Surface membrane receptors, differentiation antigens and cytochemical characteristics of blood cells in acute lymphoblastic leukemia in children] Gluzman DF, et al. **Eksp Onkol** 1987;9(3):36-9 (Eng. Abstr.) **(Rus)**

[Immunologic cell markers in acute lymphoblastic leukemia in children] Grigor'iants LIa. **Eksp Onkol** 1987;9(2):28-30 (Eng. Abstr.) **(Rus)**

[Importance of echography in the diagnosis of extramedullary foci of hematopoiesis in acute lymphoid leukemia in children] Deliagin VM, et al. **Gematol Transfuziol** 1987 Feb;32(2):20-2 (Eng. Abstr.) **(Rus)**

[Clinico-immunocytological criteria for the differential diagnosis of acute lymphoblastic leukemia and lymphosarcoma in children] Makhonova LA, et al. **Gematol Transfuziol** 1987 Feb;32(2):14-20 (Eng. Abstr.) **(Rus)**

[Value of the studies of blast cells of the blood and bone marrow using complex cytochemical, immunologic and biochemical methods in the diagnosis of the variants and subvariants of acute leukemia] Tsveĭbakh AS, et al. **Gematol Transfuziol** 1986 Sep;31(9):3-7 (Eng. Abstr.) **(Rus)**

[Clinico-hematic study of lymphoblastic leukemia of childhood] Muñoz Rodríguez V, et al. **Rev Esp Oncol** 1985; 32(1):85-94 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Pulmonary complications of cytosine-arabinoside therapy: radiographic findings. Tham RT, et al. **AJR** 1987 Jul; 149(1):23-7

Therapy of refractory adult acute lymphoblastic leukemia with vincristine and prednisone plus tandem methotrexate and L-asparaginase. Results of a Cancer and Leukemia Group B Study. Terebelo HR, et al. **Am J Clin Oncol** 1986 Oct;9(5):411-5

Microcomputer-assisted data management for multiinstitutional pediatric clinical cancer trials. Gaynon PS, et al. **Am J Pediatr Hematol Oncol** 1987 Spring; 9(1):33-41

Avascular necrosis of bone in acute lymphoblastic leukemia. Giri N, et al. **Am J Pediatr Hematol Oncol** 1987 Summer; 9(2):143-5

Urate-oxidase as hypouricemic agent in a case of acute tumor lysis syndrome. Jankovic M, et al. **Am J Pediatr Hematol Oncol** 1985 Summer;7(2):202-4

Acute lymphoblastic leukemia in very young children. Diagnostic and therapeutic aspects of 43 cases. Leverger G, et al. **Am J Pediatr Hematol Oncol** 1986 Fall;8(3):213-9

Evaluation of gonadal function following long-term treatment for acute lymphoblastic leukemia in girls. Pasqualini T, et al. **Am J Pediatr Hematol Oncol** 1987 Spring;9(1):15-22

Oral methotrexate is as effective as intramuscular in maintenance therapy of acute lymphoblastic leukaemia. Chessells JM, et al. **Arch Dis Child** 1987 Feb;62(2):172-6

Intensive consolidation chemotherapy for acute lymphoblastic leukaemia (UKALL X pilot study). Pinkerton CR, et al. **Arch Dis Child** 1987 Jan;62(1):12-8

Acute tumor lysis syndrome in prolymphocytic leukemia. Gomez GA, et al. **Arch Intern Med** 1987 Feb;147(2):375-6

Sequence-, time- and dose-dependent synergism of methotrexate and 6-mercaptopurine in malignant human T-lymphoblasts [published erratum appears in Biochem Pharmacol 1987 Mar 1;36(1):781] Bökkerink JP, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3549-55

Dose-related effects of methotrexate on purine and pyrimidine nucleotides and on cell-kinetic parameters in MOLT-4 malignant human T-lymphoblasts. Bökkerink JP, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3557-64

Effects of 5-methyltetrahydrofolate on the activity of fluoropyrimidines against human leukemia (CCRF-CEM) cells. Mini E, et al. **Biochem Pharmacol** 1987 Sep 15; 36(18):2905-11

In vitro and in vivo effects of deferoxamine in neonatal acute leukemia. Estrov Z, et al. **Blood** 1987 Mar;69(3):757-61

Improved results of treatment of adult acute lymphoblastic leukemia. Linker CA, et al. **Blood** 1987 Apr;69(4):1242-8

Treatment of acute lymphoblastic leukaemia in adults. Barnett MJ, et al. **Br J Haematol** 1986 Nov;64(3):455-68

Effect of intensified chemotherapy on the pluripotent haematopoietic progenitor cells CFU-GEMM in adult acute lymphoblastic leukaemia. Ganser A, et al. **Br J Haematol** 1986 Sep;64(1):169-78

Lack of pathogenetic role of proteins C and S in thrombosis associated with asparaginase-prednisone-vincristine therapy for leukaemia. Pui CH, et al. **Br J Haematol** 1986 Oct;64(2):283-90

Short-term high-dose treatment in bad-risk ALL and lymphoblastic NHL [letter] Willemze R, et al. **Br J Haematol** 1987 Apr;65(4):501-2

Persistence of bone marrow lymphocytosis after induction treatment in common acute lymphoblastic leukemia. Marker analysis and significance. Ifrah N, et al. **Cancer** 1986 Nov 1;58(9):2018-22

Altered dental root development in long-term survivors of pediatric acute lymphoblastic leukemia. A review of 17 cases. Rosenberg SW, et al. **Cancer** 1987 May 1; 59(9):1640-8

Intensive treatment of acute leukemia in adults 70 years of age and older. Walters RS, et al. **Cancer** 1987 Jul 15; 60(2):149-55

Resistance to 1-beta-D-arabinofuranosylcytosine after high-dose treatment childhood lymphoblastic leukemia: isolation of a drug resistant and a sensitive cell line. Kees UR. **Cancer Res** 1987 Jun 15;47(12):3088-91

Mitoxantrone, vincristine, and prednisone in adults with relapsed or primarily refractory acute lymphocytic leukemia and terminal deoxynucleotidyl transferase positive blastic phase chronic myelocytic leukemia. Paciucci PA, et al. **Cancer Res** 1987 Oct 1;47(19):5234-7

Fludarabine phosphate (NSC 312878) infusions for the treatment of acute leukemia: phase I and neuropathological study. Spriggs DR, et al. **Cancer Res** 1986 Nov; 46(11):5953-8

Phase II study of idarubicin administered i.v. to pediatric patients with acute lymphoblastic leukemia. Madon E, et al. **Cancer Treat Rep** 1987 Sep;71(9):855-6

Phase II evaluation of teniposide and ifosfamide in refractory adult acute lymphocytic leukemia: a Southwest Oncology Group Study. Ryan DH, et al. **Cancer Treat Rep** 1987 Jul-Aug;71(7-8):713-6

Teniposide and cytarabine combination chemotherapy in the treatment of relapsed adolescent and adult acute lymphoblastic leukemia. Sanz GF, et al. **Cancer Treat Rep** 1986 Nov;70(11):1321-3

Evolution of acute lymphoblastic leukemia in mice treated with carrier-bound methotrexate and levamisole. Soriano L, et al. **Chemotherapy** 1987;33(2):123-8

Low-dose ARA-C in acute leukemias. Analysis of 30 cases. Yao EG, et al. **Chin Med J [Engl]** 1986 Oct;99(10):832-4

Acute tumour lysis syndrome with extreme metabolic abnormalities. Leonov Y, et al. **Clin Lab Haematol** 1987; 9(1):85-9

Thiopurine pharmacogenetics in leukemia: correlation of erythrocyte thiopurine methyltransferase activity and 6-thioguanine nucleotide concentrations. Lennard L, et al. **Clin Pharmacol Ther** 1987 Jan;41(1):18-25

Toxicity of conventional ALL chemotherapy: incidence of short-term adverse effects in 100 children. Saarinen UM. **Dev Pharmacol Ther** 1987;10(1):21-9

Greater decrease of fibrinogen as compared to antithrombin III in L-asparaginase treated leukemia patients. Vicarioto M, et al. **Folia Haematol (Leipz)** 1986;113(5):663-9

Medical Research Council Childhood Leukaemia Trial VIII compared with trials II-VII: lessons for future management. Eden OB, et al. **Hamatol Bluttransfus** 1987; 30:448-55

Aggressive combination chemotherapy of bone marrow relapse in childhood acute lymphoblastic leukemia containing aclacinomycin-A: a multicentric trial. Fengler R, et al. **Hamatol Bluttransfus** 1987;30:493-6

Treatment of adult acute lymphoblastic leukemia. Preliminary results of a trial from the French Group. Fière D, et al. **Hamatol Bluttransfus** 1987;30:125-9

Strategies for the treatment of children with acute lymphoblastic leukemia and unfavorable presenting features. Gaynon PS, et al. **Hamatol Bluttransfus** 1987; 30:167-72

Stratification by prognostic factors in the design and analysis of clinical trials for acute lymphoblastic leukemia. Hammond GD, et al. **Hamatol Bluttransfus** 1987;30:161-6

The BFM relapse studies in childhood ALL: concepts of two multicenter trials and results after 2 1/2 years. Henze G, et al. **Hamatol Bluttransfus** 1987;30:147-55

Risk groups in adult acute lymphoblastic leukemia. Hoelzer D, et al. **Hamatol Bluttransfus** 1987;30:104-10

Early intensification therapy in high-risk childhood acute lymphocytic leukemia: lack of benefit from high-dose methotrexate. Janka GE, et al. **Hamatol Bluttransfus** 1987; 30:456-60

Treatment of acute lymphoblastic leukemia in children with the BFM protocol: a cooperative study and analysis of prognostic factors. Maurus R, et al. **Hamatol Bluttransfus** 1987;30:466-70

Intensive therapy in childhood acute lymphoblastic leukemia: a report from the Polish Children's Leukemia and Lymphoma Study Group after 11 years. Michalewska D, et al. **Hamatol Bluttransfus** 1987;30:480-2

Treatment of standard- and high-risk childhood acute lymphoblastic leukaemia with two CNS prophylaxis regimens. Ortega JJ, et al. **Hamatol Bluttransfus** 1987; 30:483-92

Therapy results in five ALL-BFM studies since 1970: implications of risk factors for prognosis. Riehm H, et al. **Hamatol Bluttransfus** 1987;30:139-46

Limiting toxicities during intensified remission induction chemotherapy for childhood acute lymphocytic leukemia. Rivera GK, et al. **Hamatol Bluttransfus** 1987;30:156-60

Intermediate-risk childhood acute lymphoblastic leukemias: amsacrine + cytosine arabinoside versus intermediate-dose methotrexate for consolidation, and 6-mercaptopurine + methotrexate + vincristine versus monthly pulses for maintenance. Schaison G, et al. **Hamatol Bluttransfus** 1987; 30:461-5

Acute leukaemia in the elderly, remission induction versus palliative therapy. Smith AG, et al. **Hamatol Bluttransfus** 1987;30:330-2

Pharmacokinetics of oral methotrexate in bone marrow during maintenance treatment of childhood acute lymphocytic leukemia. Sonneveld P, et al. **Hamatol Bluttransfus** 1987;30:293-7

Therapy for adolescent and adult acute lymphoblastic leukemia: randomization of induction and consolidation therapies (preliminary results of EORTC Study 58791). Stryckmans P, et al. **Hamatol Bluttransfus** 1987;30:130-6

Addition of rubidomycin to induction treatment with vincristine, prednisone, and L-asparaginase in standard-risk childhood acute lymphocytic leukemia (study ALL V): a report on behalf of the Dutch Childhood Leukemia Study Group. van der Does-van den Berg A, et al. **Hamatol Bluttransfus** 1987;30:444-7

First experiences with a permanent catheter system in acute leukemia. Vaupel HA, et al. **Hamatol Bluttransfus** 1987; 30:547-50

Results of acute lymphoblastic leukemia therapy in childhood with a modified BFM protocol in a multicenter study in the German Democratic Republic. Zintl F, et al. **Hamatol Bluttransfus** 1987;30:471-9

Influence of intensive induction and consolidation therapy in acute lymphoblastic leukaemia in children. Sanchetee SC, et al. **Indian J Cancer** 1985 Sep;22(3):217-20

Prevention of infection in acute leukemia: a prospective randomized study on the efficacy of two different drug regimens for antimicrobial prophylaxis. Kurrle E, et al. **Infection** 1986 Sep-Oct;14(5):226-32

Pre-sepsis prophylaxis and empirical treatment of febrile patients with neutropenia in acute leukaemia. Advani SH, et al. **J Assoc Physicians India** 1986 Aug;34(8):559-62

Effects of local irradiation and i.v. methotrexate on brain morphology in rabbits: early changes. Ludwig R, et al. **J Cancer Res Clin Oncol** 1987;113(3):235-40

High-dose cytosine arabinoside with amsacrine for treatment of acute lymphoblastic leukemia [letter] Arlin ZA. **J Clin Oncol** 1986 Dec;4(12):1868

Successful reinduction of patients with acute lymphoblastic leukemia who relapse following bone marrow transplantation. Bostrom B, et al. **J Clin Oncol** 1987 Mar; 5(3):376-81

Medical Research Council leukaemia trial--UKALL V: an attempt to reduce the immunosuppressive effects of therapy in childhood acute lymphoblastic leukemia. Report to the Council by the Working Party on Leukaemia in Childhood. Chessells JM, et al. **J Clin Oncol** 1986 Dec;4(12):1758-64

Teniposide plus cytarabine improves outcome in childhood acute lymphoblastic leukemia presenting with a leukocyte count greater than or equal to 100 x 10(9)/L. Dahl GV, et al. **J Clin Oncol** 1987 Jul;5(7):1015-21

Intellectual and academic achievement status after CNS relapse: a retrospective analysis of 40 children treated for

acute lymphoblastic leukemia. Mulhern RK, et al. **J Clin Oncol** 1987 Jun;5(6):933–40

Results of treatment of advanced-stage Burkitt's lymphoma and B cell (SIg+) acute lymphoblastic leukemia with high-dose fractionated cyclophosphamide and coordinated high-dose methotrexate and cytarabine. Murphy SB, et al. **J Clin Oncol** 1986 Dec;4(12):1732–9

Acute leukemia during pregnancy: the Toronto Leukemia Study Group experience with long-term follow-up of children exposed in utero to chemotherapeutic agents. Reynoso EE, et al. **J Clin Oncol** 1987 Jul;5(7):1098–106

Severe hepatotoxicity from Escherichia coli L-asparaginase. Jenkins R, et al. **J Natl Med Assoc** 1987 Jul;79(7):775, 779

Methotrexate bioavailability after oral and intramuscular administration in children. Teresi ME, et al. **J Pediatr** 1987 May;110(5):788–92

Excessive chemotherapy-related myelotoxicity in children with Down syndrome and acute lymphoblastic leukaemia [letter] Blatt J, et al. **Lancet** 1986 Oct 18;2(8512):914

Toxicity of leukaemia therapy in children with Down syndrome [letter] Peeters MA, et al. **Lancet** 1986 Nov 29; 2(8518):1279

Prospective study of central nervous system changes in children with acute lymphoblastic leukemia receiving two different methods of central nervous system prophylaxis. Ochs J, et al. **Neurotoxicology** 1986 Summer;7(2):217–26

Treatment of acute lymphoblastic leukemia in children. A 12-year experience with an analysis of the role of cooperative group (CCLSG) participation. Hiyoshi Y, et al. **Nippon Ketsueki Gakkai Zasshi** 1987 Feb;50(1):89–101

Interstitial pneumonitis due to leukaemic cell necrosis. Carter JM, et al. **NZ Med J** 1986 Oct 8;99(811):754–6

High-dose cytosine arabinoside and mitoxantrone (HAM) for the treatment of refractory acute lymphoblastic leukemia. Hiddemann W, et al. **Onkologie** 1987 Feb;10(1):11–2

A long-term prospective clinical study of oral complications during conventional chemotherapy for acute leukemia. Barrett AP. **Oral Surg Oral Med Oral Pathol** 1987 Mar; 63(3):313–6

Cross-resistance patterns and antigen expression in Vinca alkaloid- and other multiple drug-resistant human leukemic cell lines. Beck WT, et al. **Prog Clin Biol Res** 1986;223:3–10

Controversies in the management of childhood acute lymphoblastic leukemia: treatment intensification, CNS leukemia, and prognostic factors. Rivera GK, et al. **Semin Hematol** 1987 Jan;24(1):12–26 (92 ref.)

High-dose cytosine arabinoside in combination with mitoxantrone for the treatment of refractory acute myeloid and lymphoblastic leukemia. Hiddemann W, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):73–7

Teniposide (VM-26) and cytosine arabinoside as consolidation therapy in adult high-risk patients with acute lymphoblastic leukemia. Hoelzer D, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):92–7

Teniposide (VM-26) and ara-C in the treatment of adult acute lymphoblastic leukemia. Linker CA, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):78–85

In vitro biochemical tests to evaluate the response to therapy of acute leukemia with cytosine arabinoside or 5-AZA-2'-deoxycytidine. Onetto N, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):231–7

Intermediate and high-dose cytosine arabinoside-containing regimens for induction and consolidation therapy for patients with acute lymphoblastic leukemia and lymphoblastic non-Hodgkin's lymphoma: the Leyden experience and review of the literature. Peters WG, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):86–91

Cytosine arabinoside for induction, salvage, and consolidation therapy of adult acute lymphoblastic leukemia. Stryckmans P, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):67–72

[Acquired deficiencies in antithrombin III and C protein during treatment with L-asparaginase] Mielot F, et al. **Arch Fr Pediatr** 1987 Mar;44(3):161–5 (Eng. Abstr.) **(Fre)**

[Therapy of acute leukemia in the adult. Role of anthracyclines] Gisselbrecht C, et al. **Pathol Biol (Paris)** 1987 Jan;35(1):69–74 (Eng. Abstr.) **(Fre)**

[Importance of anthracyclines in infants in the treatment of acute lymphoblastic and non-lymphoblastic leukemias] Leverger G, et al. **Pathol Biol (Paris)** 1987 Jan;35(1):87–90 (Eng. Abstr.) **(Fre)**

[Therapeutic trials of aclarubicin in previously treated acute leukemias and hematosarcomas] Machover D, et al. **Pathol Biol (Paris)** 1987 Jan;35(1):79–86 (Eng. Abstr.) **(Fre)**

[Acute leukemia and pregnancy] Abele P, et al. **Dtsch Med Wochenschr** 1986 Oct 3;111(40):1527–32 **(Ger)**

[Ultrahigh-dosage cytostatics--their possible use in acute leukemias?] Gassmann W, et al. **Dtsch Med Wochenschr** 1987 Jan 9;112(2):65–72 (79 ref.) **(Ger)**

[Corticosteroid-dependent reduction of leukocyte count in blood as a prognostic factor in acute lymphoblastic leukemia in childhood (therapy study ALL-BFM 83)] Riehm H, et al. **Klin Padiatr** 1987 May-Jun;199(3):151–60 (Eng. Abstr.) **(Ger)**

[Treatment of acute lymphoblastic leukemia in childhood and adolescence: results of the multicenter therapy study ALL-BFM 81] Schrappe M, et al. **Klin Padiatr** 1987 May-Jun;199(3):133–50 (Eng. Abstr.) **(Ger)**

[Formation of specific IgG antibodies in l-asparaginase treatment. Distribution of IgG subclasses] Körholz D, et al. **Monatsschr Kinderheilkd** 1987 Jun;135(6):325–8 (Eng. Abstr.) **(Ger)**

[New aspects of the determination of blood methotrexate leve's in leukemic children] Schuler D, et al. **Monatsschr Kinderheilkd** 1986 Oct;134(10):765–8 (Eng. Abstr.) **(Ger)**

[10 years' therapy of acute leukemias] Schaefer UW. **Onkologie** 1986 Oct;9 Suppl 2:30, 32–3 **(Ger)**

[Multilocular osteonecrosis in high-dosage corticosteroid therapy—case report] Hannig C, et al. **Rontgenpraxis** 1986 Aug;39(8):275–8 **(Ger)**

[High-dose busulfan with subsequent bone marrow transplantation in poor-risk forms of leukemia] Urban C, et al. **Wien Klin Wochenschr** 1987 Mar 6;99(5):144–9 (Eng. Abstr.) **(Ger)**

[Pharmacokinetic and clinical studies on the oral administration of 6-MP to children with ALL] Abe Y, et al. **Rinsho Ketsueki** 1986 Jun;27(6):852–9 (Eng. Abstr.) **(Jpn)**

[Cerebellar infarction following remission induction therapy in acute lymphoblastic leukemia] Aoki Y, et al. **Rinsho Ketsueki** 1987 Apr;28(4):624–8 (Eng. Abstr.) **(Jpn)**

[Long-term prognosis in 139 children with acute lymphoblastic leukemia in complete remission for longer than three years—study of Children's Cancer and Leukemia Study Group] Fujimoto T, et al. **Rinsho Ketsueki** 1987 Feb; 28(2):177–86 (Eng. Abstr.) **(Jpn)**

[Investigation of hepatic reserve in patients with severe liver dysfunction in the treatment of acute leukemia] Hamazaki H, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1317–22 (Eng. Abstr.) **(Jpn)**

[A case of refractory acute lymphocytic leukemia responded to an intermediate-dose of cytosine arabinoside (ID Ara-C) therapy] Hirota Y, et al. **Rinsho Ketsueki** 1986 Jun; 27(6):941–6 (Eng. Abstr.) **(Jpn)**

[Treatment of acute lymphoblastic leukemia in adults by a modified L-10M protocol (Sloan-Kettering)] Kuriyama K, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2267–73 (Eng. Abstr.) **(Jpn)**

[CNS complications of Ommaya reservoir in children with ALL] Nakahara S, et al. **Rinsho Ketsueki** 1986 Nov; 27(11):2112–7 (Eng. Abstr.) **(Jpn)**

[Transient cerebral dysfunction induced by VCR, HD-MTX in a child with acute lymphocytic leukemia] Sato J, et al. **Rinsho Ketsueki** 1986 Nov;27(11):2162–7 (Eng. Abstr.) **(Jpn)**

[Acute leukemia in the elderly] Brinch L, et al. **Tidsskr Nor Laegeforen** 1987 Feb 10;107(4):378–80 (Eng. Abstr.) **(Nor)**

[Acute lymphatic leukemia. Acute psychosis during induction treatment] Restan A, et al. **Tidsskr Nor Laegeforen** 1987 Jan 30;107(3):253–4 (Eng. Abstr.) **(Nor)**

[Myocardial infarction during intensive chemotherapy in a 19-year-old boy with acute leukemia] Brodzki LM, et al. **Acta Haematol Pol** 1986 Jul-Dec;17(3–4):166–74 **(Pol)**

[Pulmonary function in children with lymphoblastic leukemia during remission] Milanowski A, et al. **Pneumonol Pol** 1986 Dec;54(12):541–5 (Eng. Abstr.) **(Pol)**

[Recurrences of lymphoblastic leukemia in children (data of the Pediatric Clinic in Zabrze)] Sońta-Jakimczyk D, et al. **Pol Tyg Lek** 1986 Oct 27;41(43):1369–72 (Eng. Abstr.) **(Pol)**

[Results of treatment of children with lymphoblastic leukemia in relation to the methods of therapy] Litwiniszyn-Krzewicka K, et al. **Wiad Lek** 1987 Jan 1; 40(1):8–12 (Eng. Abstr.) **(Pol)**

[Treatment results in acute lymphoblastic leukemia in children] Makhonova LA, et al. **Gematol Transfuziol** 1987 Feb;32(2):3–7 (Eng. Abstr.) **(Rus)**

[Criteria for differentiated approaches to the therapy of lymphoblastic leukemia in adults] Perilov AA, et al. **Ter Arkh** 1987;59(6):27–31 (Eng. Abstr.) **(Rus)**

[Cerebral venous thrombosis as a complication of the treatment of acute T lymphoblastic leukemia with L-asparaginase (letter)] González JL, et al. **Med Clin (Barc)** 1986 Oct 25;87(13):566 **(Spa)**

ENZYMOLOGY

5'-deoxy-5'-methylthioadenosine phosphorylase deficiency in leukemia: genetics and biochemical aspects. Carrera CJ, et al. **Adv Exp Med Biol** 1986;195 Pt B:643–50

Acid phosphatase positivity in childhood acute lymphocytic leukemia. Head DR, et al. **Am J Clin Pathol** 1986 Nov; 86(5):650–3

Diminished lymphocyte and granulocyte gamma-glutamyltranspeptidase activity in acute lymphocytic leukemia and response to chemotherapy. Russo SA, et al. **Am J Hematol** 1987 Sep;26(1):67–75

Identification and characterization of a Ca2+-calmodulin-sensitive cyclic nucleotide phosphodiesterase in a human lymphoblastoid cell line. Epstein PM, et al. **Biochem J** 1987 Apr 15;243(2):533–9

Identification of purine deoxyribonucleoside kinases from human leukemia cells: substrate activation by purine and pyrimidine deoxyribonucleosides. Sarup JC, et al. **Biochemistry** 1987 Jan 27;26(2):590–7

Sialic acid lyase in human promyelocytic leukemic cells (HL-60) during phorbol-ester-induced differentiation. Warren L. **Biochim Biophys Acta** 1986 Oct 10;888(3):278–81

Relationship of serum lactate dehydrogenase level with first remission length in adult acute lymphocytic leukaemia. Fasola G, et al. **Br J Haematol** 1987 May;66(1):49–53

Determination of L-asparaginase activity in serum by thin-layer chromatography: application to the treatment of acute lymphoblastic leukemia. Clausen N, et al. **Clin Chim Acta** 1986 Nov 30;161(1):111–6

Cytochemical characterization of acute lymphoblastic leukemia. Invernizzi R, et al. **Haematologica (Pavia)** 1986 May-Jun;71(3):183–7

Terminal transferase positive cells in testicular biopsy specimens from boys with acute lymphoblastic leukaemia. Chessells JM, et al. **J Clin Pathol** 1986 Nov;39(11):1236–40

Terminal deoxynucleotidyl transferase (TdT)-containing peripheral blood mononuclear cells during remission of acute lymphoblastic leukemia: low sensitivity and specificity prevent accurate prediction of relapse. Hetherington ML, et al. **Leuk Res** 1987;11(6):537–43

Inosine monophosphate dehydrogenase activity in acute leukaemia. Price GM, et al. **Leuk Res** 1987;11(6):525–8

Lymphocyte thymidine kinase and treatment response in acute lymphocytic leukemia. Russo SA, et al. **Leuk Res** 1987;11(2):149–54

Unique forms of the abl tyrosine kinase distinguish Ph1-positive CML from Ph1-positive ALL. Clark SS, et al. **Science** 1987 Jan 2;235(4784):85–8

[Preliminary studies of the enzymological properties of terminal deoxynucleotidyl transferase and its clinical application] Li M, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Sep;17(3):176–9 (Eng. Abstr.) **(Chi)**

[Comparative studies of hexosaminidase P in the serum of pregnant females and hexosaminidase I2 in the serum of children with leukemia] Enslein J, et al. **Klin Wochenschr** 1987 Apr 15;65(8):373–5 (Eng. Abstr.) **(Ger)**

[Comparative study of the cytochemical, immunological and chemiluminescent indices of the blood and bone marrow cells in acute lympholeukemia] Samochatova EV, et al. **Gematol Transfuziol** 1987 Feb;32(2):35–9 (Eng. Abstr.) **(Rus)**

ETHNOLOGY

Curanderismo associated with fatal outcome in a child with leukemia. Marsh WW, et al. **Tex Med** 1987 Feb;83(2):38–40

ETIOLOGY

Secondary refractory anemia with excess of blasts in transformation terminating as acute lymphoblastic leukemia. Nagler A, et al. **Acta Haematol (Basel)** 1986; 76(2–3):164–5

Progression of a myelodysplastic syndrome to pre-B acute lymphoblastic leukaemia with unusual phenotype. Bonati A, et al. **Br J Haematol** 1986 Nov;64(3):487–91

Erythrocyte mean corpuscular volume during cytotoxic therapy is a predictive parameter of secondary leukemia in Hodgkin's disease. de Gramont A, et al. **Cancer** 1987 Jan 15;59(2):301–4

Polycythaemia rubra vera transforming to acute lymphoblastic leukaemia. Aitchison R, et al. **Clin Lab Haematol** 1987;9(2):201–4

Hemolytic uremic syndrome followed by acute lymphocytic leukemia. Salcedo JR, et al. **Int J Pediatr Nephrol** 1986 Jul-Sep;7(3):169–71

Acute transformation of essential thrombocythaemia: report of two cases. O'Hea AM, et al. **J Clin Pathol** 1986 Dec; 39(12):1296–8

What causes childhood leukaemia? Some beliefs of parents of affected children. McWhirter WR, et al. **Med J Aust** 1986 Oct 6;145(7):314–6

Seasonal differences in the onset of childhood acute lymphoblastic leukemia are accompanied by different survivals. Cohen P. **Prog Clin Biol Res** 1987;227B:343–8

[Hereditary spherocytosis presenting with acute lymphoblastic leukemia] Ishida Y, et al. **Rinsho Ketsueki** 1987 Mar;28(3):402–7 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Philadelphia chromosome-positive acute lymphoblastic leukaemia following radiotherapy for carcinoma of the cervix. Archimbaud E, et al. **Acta Haematol (Basel)** 1987; 77(4):238–40

Additional chromosomal abnormalities to Ph during the clinical course in patients with acute lymphoblastic leukemia. Carbone P, et al. **Acta Haematol (Basel)** 1986; 76(2–3):130–5

Prognostic factors in acute lymphoid leukaemia of childhood. I. Cytogenetic studies. Szollár J, et al. **Acta Paediatr Hung** 1986;27(4):289–93

Burkitt-type ALL with variant t(2;8) and complex additional rearrangements at diagnosis. Aventin A, et al. **Ann Genet (Paris)** 1987;30(1):52–5

T cell gamma gene rearrangements in hematologic neoplasms. Asou N, et al. **Blood** 1987 Mar;69(3):968–70

bcr rearrangement and translocation of the c-abl oncogene in Philadelphia positive acute lymphoblastic leukemia. De Klein A, et al. **Blood** 1986 Dec;68(6):1369–75

Immunoglobulin and T cell receptor gene configuration in acute lymphoblastic leukemia of infancy. Felix CA, et al. **Blood** 1987 Aug;70(2):536–41

Bone marrow transplantation for patients with Philadelphia chromosome-positive acute lymphoblastic leukemia.

Forman SJ, et al. **Blood** 1987 Aug;70(2):587–8
Terminal deoxynucleotidyl transferase expression can precede T cell receptor beta chain and gamma chain rearrangement in T cell acute lymphoblastic leukemia. Greenberg JM, et al. **Blood** 1987 Jan;69(1):356–60
T cell rearranging gene gamma: diversity and mRNA expression in fresh cells from T cell acute lymphoblastic leukemia. Le Paslier D, et al. **Blood** 1987 Sep;70(3):637–46
Development of T3/T cell receptor gene expression in human pre–T neoplasms. Pittaluga S, et al. **Blood** 1987 Apr; 69(4):1062–7
An analysis of leukemic cell chromosomal features in infants. Pui CH, et al. **Blood** 1987 May;69(5):1289–93
Hypodiploidy is associated with a poor prognosis in childhood acute lymphoblastic leukemia. Pui CH, et al. **Blood** 1987 Jul;70(1):247–53
7q32–q36 translocations in childhood T cell leukemia: cytogenetic evidence for involvement of the T cell receptor beta–chain gene. Raimondi SC, et al. **Blood** 1987 Jan; 69(1):131–4
Phenotypic similarities and differences between CALLA–positive acute lymphoblastic leukemia cells and normal marrow CALLA–positive B cell precursors. Ryan DH, et al. **Blood** 1987 Sep;70(3):814–21
A case of childhood acute lymphoblastic leukaemia [letter] Abbondanzo SL, et al. **Br J Haematol** 1987 May;66(1):141
Is spontaneous mutation the major 'cause' of childhood acute lymphoblastic leukaemia? Greaves MF, et al. **Br J Haematol** 1986 Sep;64(1):1–13 (94 ref.)
Rearrangement for the T–cell receptor gene and co–expression of immature T–cell markers and natural killer cell phenotype, in a patient with acute lymphoblastic leukaemia. Pizzolo G, et al. **Br J Haematol** 1987 Jan; 65(1):17–22
Hybrid leukaemia of T cell and myeloid lineages: cytogenetic distinction from second (induced) malignancy. Simpson EM, et al. **Br J Haematol** 1987 Apr;65(4):401–3
T–cell prolymphocytic leukemia with an unusual phenotype CD4+ CD8+. Kluin–Nelemans HC, et al. **Cancer** 1987 Aug 15;60(4):794–803
High–degree abnormalities of nuclear DNA distribution in SIg negative acute lymphoblastic leukemia with vacuolated blasts. Riccardi A, et al. **Cancer** 1986 Dec 15;58(12):2632–9
Balanced and unbalanced 1;19 translocation–associated acute lymphoblastic leukemias. Shikano T, et al. **Cancer** 1986 Nov 15;58(10):2239–43
t(1;19)(q23;p13) in pre–B acute lymphocytic leukemia cell line 697 [letter] Barker PE, et al. **Cancer Genet Cytogenet** 1987 Apr;25(2):379–80
DNA aneuploidy in adult acute leukemia. Barlogie B, et al. **Cancer Genet Cytogenet** 1987 Oct;28(2):213–28
t(4;11) translocation–associated acute leukemia: an update. De Braekeleer M. **Cancer Genet Cytogenet** 1986 Dec; 23(4):333–5
An apparent tandem quadruplication of chromosome 21 in a case of childhood acute lymphoblastic leukemia. Dubé ID, et al. **Cancer Genet Cytogenet** 1986 Nov;23(3):253–6
Acute lymphoblastic leukemia in a child with constitutional ring chromosome 21. Falchi AM, et al. **Cancer Genet Cytogenet** 1987 Aug;27(2):219–24
Translocation (4;11) in ALL: a new morphologic aspect? Ferro MT, et al. **Cancer Genet Cytogenet** 1986 Oct; 23(2):145–9
Cytogenetic analysis of adult acute lymphoblastic leukemia including a Ph+ case surviving more than 5 years. Fisher TC, et al. **Cancer Genet Cytogenet** 1986 Nov;23(3):245–51
Chromosomes in acute lymphocytic leukemia. Hossfeld DK. **Cancer Genet Cytogenet** 1987 May;26(1):59–64
Complex translocation t(8;12;14) in a cell line derived from a child with nonendemic Burkitt–type acute lymphoblastic leukemia. Nacheva E, et al. **Cancer Genet Cytogenet** 1987 Sep;28(1):145–53
Human–fms gene is retained in acute lymphoblastic leukemia cells with del(5)(q32). Ohyashiki JH, et al. **Cancer Genet Cytogenet** 1987 Apr;25(2):341–50
Philadelphia chromosome positive essential thrombocythemia evolving into lymphoid blast crisis. Paietta E, et al. **Cancer Genet Cytogenet** 1987 Apr; 25(2):227–31
Marker chromosome 1q+ in acute lymphocytic leukemia. Petković I, et al. **Cancer Genet Cytogenet** 1987 Feb; 24(2):251–5
Multiple telomeric associations of a trisomic whole q arm of chromosome 1 in a child with acute lymphoblastic leukemia. Raimondi SC, et al. **Cancer Genet Cytogenet** 1987 Jan;24(1):87–93
A cytogenetic study of children in India with acute lymphocytic leukemia: correlation with clinical data. Waghray M, et al. **Cancer Genet Cytogenet** 1986 Nov; 23(3):225–37
Chromosome studies in patients with acute nonlymphocytic or acute lymphocytic leukemia submitted to bone marrow transplantation—results of a European cooperative study. Zaccaria A, et al. **Cancer Genet Cytogenet** 1987 May; 26(1):51–8
Increased frequencies of alpha–naphthoflavone induced sister chromatid exchanges in long–term survivors of childhood acute lymphoblastic leukemia. Lundgren K, et al. **Cancer Lett** 1987 Aug;36(2):213–9
Recurrent chromosome changes at 3p21 in Epstein–Barr virus–transformed cells derived from human prolymphocytic leukemia. Ohyashiki K, et al. **Cancer Res** 1986 Oct;46(10):5282–6
Mutation rate of normal and malignant human lymphocytes. Seshadri R, et al. **Cancer Res** 1987 Jan 15;47(2):407–9
Cloning and structural analysis of cDNAs for bcl–2 and a hybrid bcl–2/immunoglobulin transcript resulting from the t(14;18) translocation. Cleary ML, et al. **Cell** 1986 Oct 10; 47(1):19–28
Analysis of DNA surrounding the breakpoints of chromosomal translocations involving the beta T cell receptor gene in human lymphoblastic neoplasms. Reynolds TC, et al. **Cell** 1987 Jul 3;50(1):107–17
Differentiation–linked gene rearrangement and expression in acute lymphoblastic leukaemia. Greaves MF, et al. **Clin Haematol** 1986 Aug;15(3):621–39 (97 ref.)
Lineage heterogeneity in acute leukaemia: acute mixed–lineage leukaemia and lineage switch. Stass SA, et al. **Clin Haematol** 1986 Aug;15(3):811–27 (92 ref.)
Prognostic significance of chromosomal abnormalities in acute leukaemias and myelodysplastic syndromes. Yunis JJ, et al. **Clin Haematol** 1986 Aug;15(3):597–620 (87 ref.)
DNA aneuploidia in cells of acute leukemia non B non T type in children. Krygier–Stojagowska A, et al. **Folia Histochem Cytobiol** 1986;24(3):213–25
DNA aneuploidy in children with relapsed acute lymphoblastic leukemia as measured by flow cytometry. Beck JD, et al. **Hamatol Bluttransfus** 1987;30:509–12
Karyotype, immunophenotype, and clinical outcome: correlations in childhood acute lymphoblastic leukemia. Gregoire MJ, et al. **Hamatol Bluttransfus** 1987;30:504–8
Prognostic meaning of chromosome aberrations in acute lymphocytic leukemia and acute nonlymphocytic leukemia patients of the BFM Study Group. Harbott J, et al. **Hamatol Bluttransfus** 1987;30:497–503
Hyperdiploid childhood acute lymphocytic leukemia: cellular properties and prognostic implications. Smets LA, et al. **Hamatol Bluttransfus** 1987;30:513–6
A t(8;14)(q24;q11) translocation in a T–cell leukemia (L1–ALL) with c–myc and TcR–alpha chain locus rearrangements. Mathieu–Mahul D, et al. **Int J Cancer** 1986 Dec 15;38(6):835–40
Two new cell lines from B–prolymphocytic leukaemia: characterization by morphology, immunological markers, karyotype and Ig gene rearrangement. Melo JV, et al. **Int J Cancer** 1986 Oct 15;38(4):531–8
Unusual cytogenetic findings in two patients with t(4;11) acute leukemia. Testa JR, et al. **Int J Cancer** 1986 Dec 15;38(6):847–52
T cell receptor alpha–, beta–, and gamma–genes in T cell and pre–B cell acute lymphoblastic leukemia. Felix CA, et al. **J Clin Invest** 1987 Aug;80(2):545–56
Acute leukemia expressing the gamma gene product of the putative second T cell receptor. González–Sarmiento R, et al. **J Clin Invest** 1987 Apr;79(4):1281–4
Pseudo–Philadelphia–positive acute lymphoblastic leukemia (Ph1 + ALL) [letter] Arlin ZA, et al. **J Clin Oncol** 1987 Mar;5(3):512
Acute lymphoblastic leukemia with chromosomal 5;14 translocation and hypereosinophilia: case report and literature review. Hogan TF, et al. **J Clin Oncol** 1987 Mar; 5(3):382–90 (41 ref.)
Human T cell gamma genes are frequently rearranged in B–lineage acute lymphoblastic leukemias but not in chronic B cell proliferations. Chen Z, et al. **J Exp Med** 1987 Apr 1;165(4):1000–15
Rearrangement of the c–myc oncogene with heavy–chain immunoglobulin enhancer in tumor DNA from an acute lymphoblastic leukemia patient. Guerrasio A, et al. **JNCI** 1987 May;78(5):845–51
Breakpoints in Philadelphia chromosome (Ph1)–positive leukemias. Hirosawa S, et al. **Jpn J Cancer Res** 1987 Jun; 78(6):590–5
Lymphoblastic leukaemia in Siamese twins: evidence for identity [letter] Pombo de Oliveira MS, et al. **Lancet** 1986 Oct 25;2(8513):969–70
Cytogenetic studies of long–term survivors of childhood acute lymphoblastic leukemia: a follow–up report. Rubin CM, et al. **Med Pediatr Oncol** 1986;14(6):295–9
DNA fragmentation in childhood T–cell acute lymphoblastic leukaemia. Kumar S, et al. **Mol Biol Med** 1987 Apr; 4(2):111–21
A novel abl protein expressed in Philadelphia chromosome positive acute lymphoblastic leukaemia. Chan LC, et al. **Nature** 1987 Feb 12–18;325(6105):635–7
The t(8; 14) chromosomal translocation occurring in B–cell malignancies results from mistakes in V–D–J joining. Haluska FG, et al. **Nature** 1986 Nov 13–19; 324(6093):158–61
A novel c–abl protein product in Philadelphia–positive acute lymphoblastic leukaemia. Kurzrock R, et al. **Nature** 1987 Feb 12–18;325(6105):631–5
Provocative pattern of rearrangements of the genes for the gamma and beta chains of the T–cell receptor in human leukemias. Goorha R, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4547–51
T–cell receptor alpha–chain gene is split in a human T–cell leukemia cell line with a t(11;14)(p15;q11). Le Beau MM, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9744–8
Molecular analysis of TCRB and ABL in a t(7;9)–containing cell line (SUP–T3) from a human T–cell leukemia. Westbrook CA, et al. **Proc Natl Acad Sci USA** 1987 Jan; 84(1):251–5
Complementation between glucocorticoid receptor and lymphocytolysis in somatic cell hybrids of two glucocorticoid–resistant human leukemic clonal cell lines. Yuh YS, et al. **Somatic Cell Mol Genet** 1987 Jan;13(1):33–45
Non–T, non–B acute lymphocytic leukemias: cellular origin based on molecular analyses of immunoglobulin and T–cell alpha– and beta–chain receptor gene rearrangements. Okabe M, et al. **Tohoku J Exp Med** 1987 Jun;152(2):197–207
[2 cases of crossing over in the HLA1 system in 2 siblings of a family] Gebhardt B, et al. **Kinderarztl Prax** 1987 Jan; 55(1):43–6 (Eng. Abstr.) (Ger)
[Detection of aberrations in the karyotype of children with acute leukemia: a comparative analysis of cytogenetics and flow cytophotometry] Hiddemann W, et al. **Klin Padiatr** 1987 May–Jun;199(3):161–4 (Eng. Abstr.) (Ger)
[Isolated trisomy 21 in blasts of an acute lymphoblastic leukemia] Polchau H, et al. **Monatsschr Kinderheilkd** 1987 Apr;135(4):220–2 (Eng. Abstr.) (Ger)
[A case of acute biphenotypic leukemia] Shiozaki H, et al. **Rinsho Ketsueki** 1987 May;28(5):743–7 (Eng. Abstr.) (Jpn)
[Translocation (8;14)(q24;q32) in ALL(L3) with bladder invasion] Yokota S, et al. **Rinsho Ketsueki** 1987 May; 28(5):738–42 (Eng. Abstr.) (Jpn)

IMMUNOLOGY

Capping of leukemic cells with monoclonal anti–HLA–A,B,C related to prognosis in childhood acute lymphoblastic leukemia. Hogeman PH, et al. **Acta Haematol (Basel)** 1986; 76(2–3):119–23
Distribution of immunoglobulin containing cells in human bone marrow of patients with leukemia. Suzuki K, et al. **Acta Pathol Jpn** 1987 Feb;37(2):193–9
T6 monoclonal antibody reacts with blasts from cases of common antigen acute lymphocytic leukemia. Hutchinson RE, et al. **Am J Clin Pathol** 1987 Jul;88(1):83–6
Acute leukemias with both myeloid and lymphoid surface markers. Cytoplasmic alpha–1–anti–chymotrypsin and alpha–1–anti–trypsin as possible indicators of early granulocytic differentiation. Meyer PR, et al. **Am J Clin Pathol** 1986 Oct;86(4):461–8
Leu 7+, Leu 11a– acute T–lymphoblastic leukemia having low K cell activity and no NK cell activity. Falcão RP, et al. **Am J Hematol** 1987 Jan;24(1):101–5
False–positive reaction for fibrin degradation products due to a monoclonal (IgM lambda) cryoglobulin with warm–reactive antibody activity for rabbit IgG. Hammouda W, et al. **Am J Med** 1987 Jun;82(6):1263–8
The evaluation of prognostic value of immunological markers in acute lymphoblastic leukemia (ALL) after intensification of treatment schedule. Boguslawska–Jaworska J, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(4):392–5
Evidence for chemical differences in HLA–DR molecules on autologous acute lymphoblastic leukemia and B–lymphoblastoid cell lines [published erratum appears in Blood 1987 Apr;69(4):1272] Graf L, et al. **Blood** 1987 Jan; 69(1):7–11
Phenotypic modulation of chronic lymphocytic, prolymphocytic, and lymphoplasmacytic leukemia cells by TPA: induction of TRAP isoenzyme 5 and HD6 (CD22) antigen and enhancement of IgM messenger RNA. Thiel E, et al. **Blood Cells** 1987;12(2):365–83
Interferon responses of peripheral blood mononuclear cells from normal and leukaemic children. Mohammed GS, et al. **Br J Haematol** 1986 Dec;64(4):789–98
Immunologic and clinicopathologic features of common acute lymphoblastic leukemia antigen–positive childhood T–cell leukemia. A Pediatric Oncology Group Study. Dowell BL, et al. **Cancer** 1987 Jun 15;59(12):2020–6
Richter's syndrome with two different B–cell clones. McDonnell JM, et al. **Cancer** 1986 Nov 1;58(9):2031–7
Molecular nature of a cell membrane antigen specific for human T–cell acute lymphoblastic leukemia. Matsuzaki H, et al. **Cancer Res** 1987 Aug 15;47(16):4283–6
Unique epitopes of common acute lymphoblastic leukemia antigen detected by new monoclonal antibodies. Matsuzaki H, et al. **Cancer Res** 1987 Apr 15;47(8):2160–6
Interleukin 2 responsiveness of immature T–cell colony–forming cells (T–CFC) from patients with acute T–cell lymphoblastic leukemias. Georgoulias V, et al. **Cell Immunol** 1987 Apr 1;105(2):317–31
Interleukin–2 corrects defective NK activity of patients with leukemia. Lotzová E, et al. **Comp Immunol Microbiol Infect Dis** 1986;9(2–3):169–75
Immunophenotypic characterization and classification of T–acute lymphoblastic leukemia. Report of 30 cases. Ferrara F, et al. **Haematologica (Pavia)** 1987 May–Jun; 72(3):227–31
Immunological and molecular classification of acute lymphoblastic leukemia. Foa R, et al. **Haematologica (Pavia)** 1986 Jul–Aug;71(4):277–85 (70 ref.)
Abnormal marker expression in acute leukemia (AL) characterized by monoclonal antibodies and flow cytometry. Ludwig WD, et al. **Hamatol Bluttransfus** 1987; 30:265–70
Clinical relevance of blast cell phenotype as determined with monoclonal antibodies in acute lymphoblastic leukemia of adults. Thiel E, et al. **Hamatol Bluttransfus** 1987;30:95–103
Acute granular lymphoid leukemia [letter] Duque RE. **Hum Pathol** 1987 Aug;18(8):870–1
An acute granular lymphoid leukemia with unusual cytochemistry and immunologic phenotype. Simpkins H,

et al. **Hum Pathol** 1987 Jan;18(1):93–5

Reduced cellular immunity to varicella zoster virus during treatment for acute lymphoblastic leukemia of childhood: in vitro studies of possible mechanisms. Giller RH, et al. **J Clin Immunol** 1986 Nov;6(6):472–80

Different reactivity of monoclonal antibodies against common acute lymphoblastic leukaemia antigen (CD10). Haralambidou S, et al. **J Clin Pathol** 1987 May;40(5):490–3

Idiotype vaccines against human T cell acute lymphoblastic leukemia. I. Generation and characterization of biologically active monoclonal anti-idiotopes. Bhattacharya-Chatterjee M, et al. **J Immunol** 1987 Aug 15;139(4):1354–60

The cytoplasmic expression of CD3 antigens in normal and malignant cells of the T lymphoid lineage. Campana D, et al. **J Immunol** 1987 Jan 15;138(2):648–55

Antibody-induced antigenic modulation is antigen dependent: characterization of 22 proteins on a malignant human B cell line. Pesando JM, et al. **J Immunol** 1986 Dec 1;137(11):3689–95

T cell receptor-CD3 complex during early T cell differentiation. Analysis of immature T cell acute lymphoblastic leukemias (T-ALL) at DNA, RNA, and cell membrane level. van Dongen JJ, et al. **J Immunol** 1987 Feb 15;138(4):1260–9

HLA antigen CW3 combined with unexplained high transcortin levels is found in patients with acute lymphoblastic leukemia but not in their parents, sibs and offspring. de Moor P, et al. **J Steroid Biochem** 1986 Oct; 25(4):489–90

Characterization of membrane vesicles circulating in the serum of patients with common acute lymphoblastic leukemia. Losa GA, et al. **Lab Invest** 1986 Nov;55(5):573–9

Graft-versus-leukaemia effect of graft-versus-host disease [letter] Clink HM. **Lancet** 1987 Jan 24;1(8526):219

Immunological typing of acute lymphoblastic leukemia: concurrent analysis by flow cytofluorometry and immunocytology. Chen Z, et al. **Leuk Res** 1986; 10(12):1411–7

Unfavorable presenting clinical and laboratory features are associated with CALLA-negative non-T, non-B lymphoblastic leukemia in children. Pui CH, et al. **Leuk Res** 1986;10(11):1287–92

Lymphoblastic lymphoma expressing natural killer cell-associated antigens: a clinicopathologic study of six cases. Sheibani K, et al. **Leuk Res** 1987;11(4):371–7

The WI-L2-729-HF2 human hybridoma system. Arrangement of lambda genes in monoclonal hybrids. Heitzmann JG, et al. **Mol Biol Med** 1986 Aug;3(4):339–50

The immune system and lymphoid neoplasia. Kersey JH, et al. **Monogr Pathol** 1987;(29):8–17 (33 ref.)

Clinical importance of myeloid antigen expression in adult acute lymphoblastic leukemia. Sobol RE, et al. **N Engl J Med** 1987 Apr 30;316(18):1111–7

Varicella-like illness caused by live varicella vaccine in children with acute lymphocytic leukemia. Brunell PA, et al. **Pediatrics** 1987 Jun;79(6):922–7

Acute lymphocytic leukemia in childhood: immunologic marker, cytogenetic, and molecular studies. Crist WM, et al. **South Med J** 1987 Jul;80(7):841–7

Abnormal cellular and humoral immunity in childhood acute lymphoblastic leukemia in long-term remission. Katz J, et al. **West J Med** 1987 Feb;146(2):179–87

[Two cases of null cell type acute lymphoblastic leukemia with an interesting phenotype] Arakawa S, et al. **Rinsho Ketsueki** 1986 Jul;27(7):1069–75 (Eng. Abstr.) **(Jpn)**

[Clinical investigation of two cases with acute lymphoblastic leukemia (FAB L2) showing monoclonal antigens associated with myelomonocyte] Nonoyama S, et al. **Rinsho Ketsueki** 1986 Jun;27(6):860–5 (Eng. Abstr.) **(Jpn)**

[Cytochemical characteristics of blast cells forming autologous rosettes in acute lymphoblastic leukemia in children] Nadgornaia VA, et al. **Eksp Onkol** 1987;9(2):24–8 (Eng. Abstr.) **(Rus)**

[Characteristics of the immunological subvariants of acute lymphoblastic leukemia in children] Baryshnikov AIu, et al. **Gematol Transfuziol** 1987 Feb;32(2):26–31 (Eng. Abstr.) **(Rus)**

[Functional status of granulocyte-macrophage precursors in remissions of acute leukemia in children] Shershneva NS. **Pediatriia** 1987;(2):42–6 (Eng. Abstr.) **(Rus)**

[A monoclonal antibody produced against the surface immunoglobulin of B-prolymphocytic leukemia] López Nevot MA, et al. **Sangre (Barc)** 1986;31(6):751–8 (Eng. Abstr.) **(Spa)**

METABOLISM

Transport of folate compounds by leukemic cells. Evidence for a single influx carrier for methotrexate, 5-methyltetrahydrofolate, and folate in CCRF-CEM human lymphoblasts. Henderson GB, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):3007–14

Metabolism of methotrexate and gamma-tert-butyl methotrexate by human leukemic cells in culture and by hepatic aldehyde oxidase in vitro. Wright JE, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2209–14

Glucocorticoid receptors in acute leukemia. Federico MH, et al. **Braz J Med Biol Res** 1986;19(2):167–72

A comparative study on the pharmacokinetics of methotrexate in a dose range of 0.5 g to 33.6 g/m2 in children with acute lymphoblastic leukemia. Borsi JD, et al. **Cancer** 1987 Jul 1;60(1):5–13

Prognostic importance of systemic clearance of methotrexate in childhood acute lymphoblastic leukemia. Borsi JD, et al. **Cancer Chemother Pharmacol** 1987;19(3):261–4

Methotrexate in neutrophils in children with acute lymphoblastic leukemia. Schrøder H. **Cancer Chemother Pharmacol** 1987;19(4):339–42

Degradation of 1-beta-D-arabinofuranosylcytosine 5'-triphosphate in human leukemic myeloblasts and lymphoblasts. Jamieson GP, et al. **Cancer Res** 1987 Jun 15;47(12):3130–5

Expression of GD3 ganglioside in childhood T-cell lymphoblastic malignancies. Merritt WD, et al. **Cancer Res** 1987 Mar 15;47(6):1724–30

Inhibitors of IL-2 production and IL-2 receptor expression in human leukemic T-cell line, Jurkat. Koizumi T, et al. **Cell Immunol** 1986 Dec;103(2):469–75

Ceftriaxone kinetics after a single intravenous dose in leukemic children with fever and granulocytopenia. Rossi MR, et al. **Chemioterapia** 1986 Aug;5(4):283–4

The effect of methotrexate on the bioavailability of oral 6-mercaptopurine. Balis FM, et al. **Clin Pharmacol Ther** 1987 Apr;41(4):384–7

Hepatic drug clearance in children with leukemia: changes in clearance of model substrates during remission-induction therapy. Relling MV, et al. **Clin Pharmacol Ther** 1987 Jun; 41(6):651–60

Pharmacokinetic determinants of 6-mercaptopurine myelotoxicity and therapeutic failure in children with acute lymphoblastic leukemia. Sulh H, et al. **Clin Pharmacol Ther** 1986 Dec;40(6):604–9

Nuclear translocation of lymphoblast glucocorticoid receptors in childhood leukemia does not predict steroid responsiveness. Costlow ME, et al. **J Steroid Biochem** 1987 Jan;26(1):15–8

Close association of accelerated rates of whole body protein turnover (synthesis and breakdown) and energy expenditure in children with newly diagnosed acute lymphocytic leukemia. Kien CL, et al. **JPEN J Parenter Enteral Nutr** 1987 Mar-Apr;11(2):129–34

Abnormal nucleotide pattern in the eosinophils of a patient with acute lymphoblastic leukemia associated with eosinophilia. de Korte D, et al. **Leuk Res** 1986; 10(12):1419–24

Tritiated thymidine labeling index in Indian childhood acute lymphoblastic leukemia. Karak AK, et al. **Leuk Res** 1987; 11(8):693–7

Glucocorticoid receptors predict response to combination chemotherapy in patients with acute lymphoblastic leukemia. Iacobelli S, et al. **Oncology** 1987;44(1):13–6

Mechanism for ara-CTP catabolism in human leukemic cells and effect of deaminase inhibitors on this process. Fridland A, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):262–8

[Detection of cytoplasmic mu chain by the double PAP method in cell lines and childhood non-T, non-B ALL cells] Sugita K, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 May;49(3):686–95 (Eng. Abstr.) **(Jpn)**

[Correlative clinico-experimental study of immunoglobulins G and albumin in the blood of children with subacute sclerosing panencephalitis, acute lymphoblastic leukemia and viral meningitis] Crivli SM, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1986 Jul-Sep; 35(3):227–36 (Eng. Abstr.) **(Rum)**

MICROBIOLOGY

Acute lymphoblastic leukaemia: trimethoprim resistant organisms during treatment. McDowell HP, et al. **Arch Dis Child** 1987 Jun;62(6):573–5

Monoclonal radioimmunoassay for hepatitis B surface antigen in sera of children with acute leukemia. Locasciulli A, et al. **J Med Virol** 1986 Oct;20(2):101–4

Retrovirus produced by a lymphoid cell line from an infant with acute lymphoblastic leukemia. Miki T, et al. **Jpn J Cancer Res** 1987 Feb;78(2):144–52

MORTALITY

Acute lymphoblastic leukaemia under 2 years. Leiper AD, et al. **Arch Dis Child** 1986 Oct;61(10):1007–12

Long survival in childhood lymphoblastic leukaemia. Chessells JM, et al. **Br J Cancer** 1987 Mar;55(3):315–9

The relationship between chronic lymphocytic leukaemia and prolymphocytic leukaemia. IV. Analysis of survival and prognostic features. Melo JV, et al. **Br J Haematol** 1987 Jan;65(1):23–9

Prognostic factors in acute lymphoblastic leukemia in adults: the Memorial Hospital experience. Andreeff M, et al. **Hematol Bluttransfus** 1987;30:111–24

Analysis of prognostic factors in acute leukemias in adults. Krykowski E, et al. **Hematol Bluttransfus** 1987;30:369–72

Two unexpected courses in four children with lymphoblastic leukemia of B-cell type (B-ALL). Kühl J, et al. **Hematol Bluttransfus** 1987;30:432–6

Pitfalls in the evaluation of prognostic factors. Messerer D, et al. **Hematol Bluttransfus** 1987;30:308–12

"High-risk" acute lymphocytic leukemia [editorial]Freeman AI. **J Clin Oncol** 1987 Jul;5(7):997–8

[Children with acute lymphatic leukemia. Long-term prognosis and a follow-up of a national sample treated with methotrexate] Moe PJ, et al. **Tidsskr Nor Laegeforen** 1986 Nov 10;106(31):2621–3, 2620 (Eng. Abstr.) **(Nor)**

OCCURRENCE

Relationships of bovine leukemia virus prevalence in dairy herds and density of dairy cattle to human lymphocytic leukemia. Donham KJ, et al. **Am J Vet Res** 1987 Feb; 48(2):235–8

Seasonal childhood acute lymphocytic leukemia in the midwest. Harris RE, et al. **Iowa Med** 1986 Sep;76(9):419–22

The seasonal risk of pediatric/juvenile acute lymphocytic leukemia in the United States. Harris RE, et al. **J Chronic Dis** 1987;40(10):915–23

T-cell acute lymphoblastic leukemia in Israel: clinical and laboratory features. Ben-Bassat I, et al. **Leuk Res** 1986; 10(11):1313–8

[Human acute lymphoblastic leukemia associated with HTLV-I virus and its infection in healthy populations from various regions of the USSR] Stepina VN, et al. **Eksp Onkol** 1987;9(3):32–3 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Auer rod-like inclusions in prolymphocytic leukemia. Juneja HS, et al. **Acta Haematol (Basel)** 1987;77(2):115–9

Serial studies of bone marrow-derived fibroblastoid colony-forming cells and granulocyte/macrophage precursor cells in patients with acute leukemia. Katsuno M, et al. **Acta Haematol (Basel)** 1986;76(4):185–91

Cytoplasmic inclusions and virus-like particles in blast cells in acute lymphoblastic leukemia. Ishihara T, et al. **Acta Pathol Jpn** 1986 Aug;36(8):1231–9

T-cell acute lymphoblastic leukemia relapsing as acute myelomonocytic leukemia and terminating possibly as chronic myelocytic leukemia. Shimizu J, et al. **Am J Hematol** 1987 Feb;24(2):199–205

Establishment of a common acute lymphoblastic leukemia cell line (LC4-1) and effects of phorbol myristate acetate (PMA) on the surface antigen expression of the cell line. Yoshimura T, et al. **Am J Hematol** 1987 Sep;26(1):47–54

Testicular histology and function following long-term chemotherapy of acute leukemia in children and outcome of the patients who received testicular biopsy. Ise T, et al. **Am J Pediatr Hematol Oncol** 1986 Winter;8(4):288–93

Acute lymphoblastic leukemia in Argentina. Relationship between surface markers and prognosis. Sen L, et al. **Am J Pediatr Hematol Oncol** 1986 Winter;8(4):280–7

In vitro leukemic cell differentiation in metal-depleted media. Carpentieri U, et al. **Anticancer Res** 1987 Mar-Apr; 7(2):143–6

Lack of association between abnormalities of the chromosome 9 short arm and either "lymphomatous" features or T cell phenotype in childhood acute lymphocytic leukemia. Carroll AJ, et al. **Blood** 1987 Mar; 69(3):735–8

Acute lymphoblastic leukemia in infants: evidence for B cell origin of disease by use of monoclonal antibody phenotyping. Dinndorf PA, et al. **Blood** 1986 Oct; 68(4):975–8

T cell differentiation stages identified by molecular and immunologic analysis of the T cell receptor complex in childhood lymphoblastic leukemia. Mirro J Jr, et al. **Blood** 1987 Mar;69(3):908–12

Establishment and characterization of a cell line, TOM-1, derived from a patient with Philadelphia chromosome-positive acute lymphocytic leukemia. Okabe M, et al. **Blood** 1987 Apr;69(4):990–8

Shifts in blast cell phenotype and karyotype at relapse of childhood lymphoblastic leukemia [published erratum appears in Blood 1987 Mar;69(3):996] Pui CH, et al. **Blood** 1986 Dec;68(6):1306–10

Induction of proliferation of B prolymphocytic leukemia cells by phorbol ester and native or recombinant interferon-gamma. Sauerwein RW, et al. **Blood** 1987 Sep; 70(3):670–5

Granulation in all blasts [letter] Savage RA. **Blood** 1987 Feb; 69(2):706–7

Acute lymphoblastic leukemia and non-Hodgkin's lymphoma of T lineage: colony-forming cells retain growth factor (interleukin 2) dependence. Touw I, et al. **Blood** 1986 Nov; 68(5):1088–94

Low molecular weight B cell growth factor induces proliferation of human B cell precursor acute lymphoblastic leukemias. Wörmann B, et al. **Blood** 1987 Jul;70(1):132–8

Chronic lymphocytic leukemia and prolymphocytic leukemia: a clinicopathological reappraisal. Melo JV, et al. **Blood Cells** 1987;12(2):339–53

Anticancer agents coupled to N-(2-hydroxypropyl)methacrylamide copolymers. I. Evaluation of daunomycin and puromycin conjugates in vitro. Duncan R, et al. **Br J Cancer** 1987 Feb;55(2):165–74

Adult acute lymphoblastic leukaemia: is cell proliferation related to other clinical and biological features? Ffrench M, et al. **Br J Haematol** 1987 Apr;65(4):419–23

Renal enlargement as a primary presentation of acute lymphoblastic leukaemia. Gupta S, et al. **Br J Radiol** 1985 Sep;58(693):893–5

An autopsy study of 1206 acute and chronic leukemias (1958 to 1982). Barcos M, et al. **Cancer** 1987 Aug 15;60(4):827–37

Acute leukemia occurring 19 years after treatment of acute lymphoblastic leukemia. Reynoso EE, et al. **Cancer** 1987 Jun 1;59(11):1963–5

Hyperthermic enhancement of cis-diammine-1,1-cyclobutane dicarboxylate platinum(II) cytotoxicity in human leukemia cells in vitro. Cohen JD,

et al. **Cancer Res** 1987 Aug 15;47(16):4335–7

Atypical multiple drug resistance in a human leukemic cell line selected for resistance to teniposide (VM–26). Danks MK, et al. **Cancer Res** 1987 Mar 1;47(5):1297–301

Establishment and characterization of a common acute lymphoblastic leukemia cell line with a deletion of chromosome 3 band q26. Smith SD, et al. **Cancer Res** 1987 Mar 15;47(6):1652–6

Cytotoxicity of floxuridine and 5–fluorouracil in human T–lymphoblast leukemia cells: enhancement by leucovorin. Mini E, et al. **Cancer Treat Rep** 1987 Apr;71(4):381–9

Characterization of a low molecular weight suppressor of lymphocyte proliferation from guinea pig L2C leukemia cells. Collins DP, et al. **Cell Immunol** 1987 Apr 1; 105(2):397–410

Secondary hematologic changes in small cell lung cancer and malignant lymphoma. Song SZ, et al. **Chin Med J [Engl]** 1987 Feb;100(2):97–102

Myelo–monocytic differentiation potential of the CALLA–positive Nalm 6M1 cell line. Lau B, et al. **Eur J Haematol** 1987 Feb;38(2):156–61

'Pseudo–lymphoid' leukaemia with unusual features: ultrastructural, immunological, cytogenetic and molecular studies. Matutes E, et al. **Eur J Haematol** 1987 Apr; 38(4):303–9

Interleukin–2 can induce proliferation of leukemic B–cells in prolymphocytic leukemia. Panayotides P, et al. **Eur J Haematol** 1987 Mar;38(3):274–8

Lack of mitogenic effects of growth hormone on human leukemic lymphoblasts. Blatt J, et al. **Eur J Pediatr** 1987 May;146(3):257–60

CSF cytology of a patient with conversion of an acute lymphatic leukemia to an acute eosinophilic leukemia. Kollegger H, et al. **Eur Neurol** 1986;25(5):320–6

The role of cholesterol in the glucocorticoid–mediated inhibition of cell cycle progression in human acute lymphoblastic leukemia cells. Cutts JL, et al. **Exp Cell Res** 1987 Jan;168(1):95–104

Heterogeneity of a human T–lymphoblastoid cell line. Snow K, et al. **Exp Cell Res** 1987 Aug;171(2):389–403

Morphological evidence of an altered bone marrow microenvironment in patients with acute nonlymphoblastic leukemia and myelodysplastic disorders. Payne CM, et al. **Exp Hematol** 1987 Feb;15(2):143–53

Giant mitochondria in acute lymphocytic leukemia. Eguchi M, et al. **Exp Mol Pathol** 1987 Aug;47(1):69–75

Flow cytometry of TPA–induced changes in cells of chronic B–cell leukemias. Munker R, et al. **Folia Haematol (Leipz)** 1987;114(2):177–87

Cytoskeletal organization in acute leukemias. Schmitt–Gräff A, et al. **Hamatol Bluttransfus** 1987;30:302–7

Distinctive cytoplasmic surface activity in benign and leukemic bone marrow cells: ultrastructural definition and clinicopathologic correlation. de Chadarévian JP, et al. **Hum Pathol** 1987 Apr;18(4):361–6

Lineage switch in a case of acute lymphoblastic leukemia after twenty six months of remission. Das Gupta A, et al. **Indian J Cancer** 1986 Jun;23(2):94–100

Heterogeneity of cultured leukemic lymphoid progenitor cells from B cell precursor acute lymphoblastic leukemia (ALL) patients. Uckun FM, et al. **J Clin Invest** 1987 Sep; 80(3):639–46

Molecular monitoring of pre–B acute lymphocytic leukemia [editorial] Nowell PC. **J Clin Oncol** 1987 May;5(5):692–3

Gene rearrangements as markers of clonal variation and minimal residual disease in acute lymphoblastic leukemia. Wright JJ, et al. **J Clin Oncol** 1987 May;5(5):735–41

Pathology of the heart and conduction system in lymphoma and leukaemia. Allen DC, et al. **J Clin Pathol** 1987 Jul; 40(7):746–50

Granular acute lymphoblastic leukaemia of childhood: a morphological phenomenon. Darbyshire PJ, et al. **J Clin Pathol** 1987 Mar;40(3):251–3

Consecutive staining with Romanowsky and periodic acid Schiff reagents [letter] Watts M, et al. **J Clin Pathol** 1986 Dec;39(12):1364–5

Interleukin 2 induces human acute lymphocytic leukemia cells to manifest lymphokine–activated–killer (LAK) cytotoxicity. Kaufmann Y, et al. **J Immunol** 1987 Aug 1; 139(3):977–82

Establishment and characterization of an undifferentiated human T leukemia cell line which requires granulocyte–macrophage colony stimulatory factor for growth. Valtieri M, et al. **J Immunol** 1987 Jun 1; 138(11):4042–50

Vertebral collapse in acute lymphoblastic leukaemia––case reports. Mak KH, et al. **J Singapore Paediatr Soc** 1986; 28(3–4):257–61

Cytoskeletal organization of peripheral blood normal and leukemic lymphocytes and lymphoblasts. Schmitt–Gräff A, et al. **J Submicrosc Cytol** 1987 Apr;19(2):329–35

Polyadenylic acid metabolizing enzyme levels during induction of differentiation in a human leukemia T–cell line with phorbol ester. Perez S, et al. **JNCI** 1987 Mar; 78(3):407–11

Alterations of HLe–1 (T200) fluorescence intensity on acute lymphoblastic leukemia cells may relate to therapeutic outcome. Caldwell CW, et al. **Leuk Res** 1987;11(1):103–6

Percentage of S–phase cells in bone marrow aspirates, biopsy specimens and bone marrow aspirates corrected for blood dilution from patients with acute leukemia. Colly LP, et al. **Leuk Res** 1987;11(3):209–13

JM, a Thy–ALL cell line produces both inhibitory and stimulatory lymphokines for bone marrow progenitor cells. Michalevicz R, et al. **Leuk Res** 1987;11(7):649–54

In–vitro granulopoiesis in adult acute lymphoblastic leukemia at various phases of the disease. Shih LY, et al. **Leuk Res** 1987;11(5):415–20

Prolymphocytoid transformation of CLL: a clinical and immunological study of 22 cases. Stark AN, et al. **Leuk Res** 1986;10(10):1225–32

Multiparameter characterization of L3 leukemia cell populations. Walle AJ, et al. **Leuk Res** 1987;11(1):73–83

Subcellular structures of lymphocytes in long–standing remission after treatment discontinuation and in various periods of acute lymphoblastic leukaemia in children. Grabarczyk M, et al. **Mater Med Pol** 1986 Apr–Jun; 18(2):66–70

The staging of childhood acute lymphoblastic leukemia: strategies of the Childrens Cancer Study Group and a three–dimensional technic of multivariate analysis. Bleyer WA, et al. **Med Pediatr Oncol** 1986;14(5):271–80

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 16–1987. A 14–year–old boy with fluctuating pancytopenia and a nasopharyngeal mass. **N Engl J Med** 1987 Apr 16;316(16):1008–17

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 13–1987. A 20–year–old man with acute lymphoid leukemia and a swollen forearm. **N Engl J Med** 1987 Mar 26;316(13):797–806

Morphometry for the prognosis of acute lymphoblastic leukemia in childhood. Tosi P, et al. **Pathol Res Pract** 1987 Jun;182(3):416–20

Prolymphocytic leukemia––a case report. Lee CS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Jun;85(6):630–7

Establishment of five human malignant non–T lymphoid cell lines and mixed lymphocyte–tumor reaction. Minegishi M, et al. **Tohoku J Exp Med** 1987 Mar;151(3):283–92

Serial transplantation of a human acute T lymphoblastic leukemia into nude mice. Martinotti MG, et al. **Tumori** 1986 Dec 31;72(6):553–8

In vitro culture studies of granulocyte/macrophage and erythroid progenitor cells in lymphoproliferative disorders. Geissler K, et al. **Virchows Arch [B]** 1987;52(6):553–61

[Lysis of leukemia cells with a monoclonal antibody–cocktail (e.g. VIP–pool) and human complement] Reiners B, et al. **Folia Haematol (Leipz)** 1987;114(1):84–96 (Eng. Abstr.) **(Ger)**

[Clinico–pathologic conference: hemiplegia and coma in acute lymphatic leukemia] Meienberg O, et al. **Schweiz Rundsch Med Prax** 1986 Nov 4;75(45):1351–5 (Eng. Abstr.) **(Ger)**

[Testicular involvement in childhood leukemia] Kaplinsky C, et al. **Harefuah** 1986 May 1;110(9):431–3 (Eng. Abstr.) **(Heb)**

[An autopsy case of severe miliary tuberculosis in a patient with acute lymphatic leukemia (ALL)] Misonou J, et al. **Gan No Rinsho** 1987 Jun;33(6):703–13 (Eng. Abstr.) **(Jpn)**

[T–cell prolymphocytic leukemia––clinical, cytological, and histopathological observation of a case] Sakai C, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Aug;49(5):1058–67 (Eng. Abstr.) **(Jpn)**

[Common ALL in childhood initially presented as superior vena cava syndrome by a superior mediastinal mass followed by generalized leukemia cutis in the terminal stage] Sugita K, et al. **Rinsho Ketsueki** 1987 Jan;28(1):70–5 (Eng. Abstr.) **(Jpn)**

[Phenotype of blast cells in acute lymphoblastic leukemia] Frenkel' MA, et al. **Eksp Onkol** 1987;9(3):33–6 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of lymphoid blast crisis in myelocytic leukemia and lymphoblastic leukemia in children with ph' chromosome] Makhonova LA, et al. **Gematol Transfuziol** 1987 Jun;32(6):13–7 (Eng. Abstr.) **(Rus)**

[Kinetics of blast cell proliferation and cobalamin metabolism in immunologic subvariants of lymphoblastic leukemia in children] Miasishcheva NV, et al. **Gematol Transfuziol** 1987 Jun;32(6):17–21 (Eng. Abstr.) **(Rus)**

[Specific lesions of the reproductive organs in children with acute leukemia] Kurmashov VI, et al. **Pediatriia** 1986 Aug; (8):27–30 (Eng. Abstr.) **(Rus)**

[Mixed acute leukemia: T lymphoblastic and monoblastic] Guañabens C, et al. **Med Clin (Barc)** 1987 Feb 14; 88(6):247–8 (Eng. Abstr.) **(Spa)**

[Appearance of acute myeloid leukemia in the course of lymphoblastic leukemia in a child] Madero López L, et al. **Sangre (Barc)** 1986;31(6):759–62 (Eng. Abstr.) **(Spa)**

[Cyto–destruction of leukemic blasts in vitro using a monoclonal antibody and complement] Pérez–Oteyza J, et al. **Sangre (Barc)** 1986;31(5):587–92 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Height measurements at the onset of acute lymphoblastic leukaemia [letter] Hermanussen M. **Arch Dis Child** 1986 Nov;61(11):1146–7

Prognostic factors in adult patients with acute leukemia at first relapse. Smits P, et al. **Cancer** 1987 May 1;59(9):1631–4

Hemophagocytic syndrome complicating T–cell acute lymphoblastic leukemia with a novel t(11;14)(p15;q11) chromosome translocation. Takasaki N, et al. **Cancer** 1987 Feb 1;59(3):424–8

Nutritional requirements of human malignant (leukemic) cell lines: implications for adjuvant therapy. Beebe DP, et al. **Cancer Res** 1987 May 1;47(9):2380–4

Unusual extramedullary relapses in children with acute lymphoblastic leukemia. Bunin NJ, et al. **J Pediatr** 1986 Oct;109(4):665–8

PREVENTION & CONTROL

The problem of preventing testicular leukaemia [letter] Russo A, et al. **Eur J Pediatr** 1987 Mar;146(2):211–2

The enigma of testicular leukemia: a critical review. Russo A, et al. **Med Pediatr Oncol** 1986;14(6):300–5

PSYCHOLOGY

Serial neuropsychological studies of a child with acute lymphoblastic leukemia and subsequent glioblastoma multiforme. Mulhern RK, et al. **Neurology** 1986 Nov; 36(11):1534–8

[Intellectual dysfunction in long–term survivor of one of identical twin with acute lymphocytic leukemia. Children's Cancer and Leukemia Study Group] Ninomiya T, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1880–5 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Computed tomography in hematologic malignancies of paranasal sinuses. Yang PJ, et al. **J Comput Assist Tomogr** 1986 Nov–Dec;10(6):1003–5

Lymphography and its prognostic value in childhood leukemia. Lanning P, et al. **Rontgenblatter** 1987 Apr; 40(4):118–20

[X–ray study of the thoracic organs in acute lymphoblastic leukemia in children] Fil'shtinskii Ala, et al. **Vestn Rentgenol Radiol** 1987 May–Jun;(3):32–8 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Childhood acute lymphoblastic leukemia presenting as "cold" lesions on bone scan: a report of two cases. Caudle RJ, et al. **J Pediatr Orthop** 1987 Jan–Feb;7(1):93–5

RADIOTHERAPY

Growth, growth hormone secretion and somatomedin C after cranial irradiation for acute lymphoblastic leukemia. Brauner R, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986; 279:178–82

The cribriform plate: a sanctuary site for meningeal leukaemia. Williams MV. **Br J Radiol** 1987 May; 60(713):469–75

Late multifocal gliomas in adolescents previously treated for acute lymphoblastic leukemia. Fontana M, et al. **Cancer** 1987 Oct 1;60(7):1510–8

Brain tumors after cranial irradiation for childhood acute lymphoblastic leukemia. A 13–year experience from the Dana–Farber Cancer Institute and the Children's Hospital. Rimm IJ, et al. **Cancer** 1987 Apr 15;59(8):1506–8 (26 ref.)

Central nervous system (CNS) prophylaxis in children with low risk acute lymphoblastic leukemia (ALL). Littman P, et al. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1443–9

A preliminary study of low–dose splenic irradiation for the treatment of chronic lymphocytic and prolymphocytic leukaemias. Singh AK, et al. **Scand J Haematol** 1986 Jul; 37(1):50–8

Isolated testicular leukemic relapse. Response to radiation therapy. Amendola BE, et al. **Urology** 1987 Sep;30(3):240–3

[Intrathecal radiogold prophylaxis and the cerebrospinal fluid findings in children with acute lymphoblastic leukemia] Reddemann H, et al. **Folia Haematol (Leipz)** 1986; 113(4):466–73 (Eng. Abstr.) **(Ger)**

[Effect of cranial irradiation on the blood–cerebrospinal fluid and blood–brain barrier] Ludwig R. **Klin Padiatr** 1987 May–Jun;199(3):233–8 (Eng. Abstr.) **(Ger)**

[Preliminary studies of radiation port in children receiving cranial irradiation for preventing central nervous system disease of acute lymphoblastic leukemia (ALL)] Mioshi T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Jun 25; 46(6):819–24 (Eng. Abstr.) **(Jpn)**

THERAPY

Osteogenic sarcoma developing after successful therapy of acute lymphocytic leukemia. Gohokar D, et al. **Am J Pediatr Hematol Oncol** 1986 Fall;8(3):259–60

Children cured of acute lymphoid leukemia. Long–term follow–up studies, including progeny. Rokicka–Milewska R, et al. **Am J Pediatr Hematol Oncol** 1986 Fall;8(3):208–12

Experience with bone marrow transplantation for severe aplastic anemia and leukemia. Two years experience with 31 patients in Zagreb (Yugoslavia). Labar B, et al. **Biomed Pharmacother** 1986;40(9):332–7

Marrow transplantation for children with acute lymphoblastic leukemia in second remission. Sanders JE, et al. **Blood** 1987 Jul;70(1):324–6

Marrow purging in autologous bone marrow transplantation for T–lineage acute lymphoblastic leukemia: efficacy of ex vivo treatment with immunotoxins and 4–hydroperoxycyclophosphamide against fresh leukemic marrow progenitor cells. Uckun FM, et al. **Blood** 1987 Jan; 69(1):361–6

High dose busulfan/etoposide as a preparatory regimen for second bone marrow transplants in hematologic malignancies. Blume KG, et al. **Blut** 1987 Jul;55(1):49–53

Prediction and prevention of relapse of acute lymphoblastic leukaemia after bone marrow transplantation. Barrett AJ, et al. **Br J Haematol** 1986 Sep;64(1):179–86

Interferon response in B-cell prolymphocytic leukemia [letter] Jacobs P, et al. **Br J Haematol** 1987 Mar;65(3):375–6

Body composition changes in marrow transplant recipients receiving total parenteral nutrition. Cheney CL, et al. **Cancer** 1987 Apr 15;59(8):1515–9

Ovarian leukemia detected by pelvic sonography. A case report. Lane DM, et al. **Cancer** 1986 Nov 15;58(10):2338–42

Studies on the assessment of neurotoxicity in children with acute lymphoblastic leukemia. Muchi H, et al. **Cancer** 1987 Mar 1;59(5):891–5

Enhanced lymphocyte response to PHA among leukemia patients taking oral lithium carbonate. Ridgway D, et al. **Cancer Invest** 1986;4(6):513–7

Total-body irradiation and high-dose teniposide: a pilot study in bone marrow transplantation for patients with relapsed acute lymphoblastic leukemia. Krance RA, et al. **Cancer Treat Rep** 1987 Jun;71(6):645–7

Acute leukaemia in children. Chessells JM. **Clin Haematol** 1986 Aug;15(3):727–53 (174 ref.)

Bone marrow transplantation in acute leukaemia. Gale RP, et al. **Clin Haematol** 1986 Aug;15(3):851–72 (79 ref.)

Acute lymphoblastic leukaemia in adults. Prentice HG, et al. **Clin Haematol** 1986 Aug;15(3):755–80 (95 ref.)

Clinical improvement of two patients with T lymphotropic retrovirus diseases after polio vaccine hyperimmunization. Pitts FN Jr, et al. **Clin Immunol Immunopathol** 1987 May; 43(2):277–80

Cytotoxic effects of hyperthermia, 5-fluorouracil and their combination on a human leukemia T-lymphoblast cell line, CCRF-CEM. Mini E, et al. **Eur J Cancer Clin Oncol** 1986 Aug;22(8):927–34

Graft-versus-leukaemia activity associated with cytomegalovirus seropositive bone marrow donors but separated from graft-versus-host disease in allograft recipients with AML. Jacobsen N, et al. **Eur J Haematol** 1987 Apr;38(4):350–5

Allogeneic marrow transplantation for treatment of leukemia: results of the Munich Cooperative Group. Kolb HJ, et al. **Hamatol Bluttransfus** 1987;30:204–12

Growth of children with acute lymphocytic leukemia: preliminary results. Lippens RJ, et al. **Hamatol Bluttransfus** 1987;30:427–31

Bone marrow transplantation in childhood leukemia in West Germany. Niethammer D, et al. **Hamatol Bluttransfus** 1987; 30:217–25

Special aspects of supportive therapy in childhood acute leukemias. Ritter J, et al. **Hamatol Bluttransfus** 1987; 30:182–7

Allogeneic, syngeneic, and autologous bone marrow transplantation in the acute leukemias—Baltimore experience. Santos GW, et al. **Hamatol Bluttransfus** 1987; 30:226–32

Bone marrow transplantation in acute leukemia. Schaefer UW, et al. **Hamatol Bluttransfus** 1987;30:213–6

Hematological reconstitution after autologous peripheral blood transplantation. Tilly H, et al. **Hamatol Bluttransfus** 1987;30:560–2

Allogeneic bone marrow transplantation for acute lymphoblastic leukemia in remission: prolonged survival associated with acute graft-versus-host disease. Weisdorf DJ, et al. **J Clin Oncol** 1987 Sep;5(9):1348–55

Bone marrow necrosis and treatment with interferon [letter] Moraleda JM, et al. **J Clin Pathol** 1986 Sep;39(9):1045

Emergence of immunoglobulin variants following treatment of a B cell leukemia with an immunotoxin composed of antiidiotypic antibody and saporin. Glennie MJ, et al. **J Exp Med** 1987 Jul 1;166(1):43–62

Autologous bone marrow transplantation in acute lymphoblastic leukemia following in vitro treatment with monoclonal antibodies and with complement: analyses for two cases of failure. Ito T, et al. **Jpn J Clin Oncol** 1987 Mar;17(1):63–9

Which treatment for childhood acute lymphoblastic leukaemia in second remission? Butturini A, et al. **Lancet** 1987 Feb 21;1(8530):429–32 (44 ref.)

Bone-marrow transplantation in high-risk acute lymphoblastic leukaemia in first and second remission. Herzig RH, et al. **Lancet** 1987 Apr 4;1(8536):786–9

Bone-marrow transplantation in childhood lymphoblastic leukemia [letter] Hobbs JR. **Lancet** 1986 Oct 11;2(8511):862

Long-term follow-up after bone-marrow transplantation in acute lymphoblastic leukaemia [letter] Johnson FL, et al. **Lancet** 1987 Feb 14;1(8529):380–1

Growth failure and growth-hormone deficiency after treatment for acute lymphoblastic leukaemia. Kirk JA, et al. **Lancet** 1987 Jan 24;1(8526):190–3

Treatment of acute lymphoblastic leukaemia: a terminological plea [letter] Pritchard J, et al. **Lancet** 1986 Oct 4;2(8510):805

Health status of young children with cancer following discontinuation of therapy. Pastore G, et al. **Med Pediatr Oncol** 1987;15(1):1–6

Comparison of autologous and allogeneic bone marrow transplantation for treatment of high-risk refractory acute lymphoblastic leukemia. Kersey JH, et al. **N Engl J Med** 1987 Aug 20;317(8):461–7

Standardization of monoclonal antibodies for use in autologous bone marrow transplantation for common acute lymphoblastic leukemia. Bradstock KF, et al. **Pathology** 1986 Apr;18(2):197–205

Cure of acute lymphocytic leukemia following relapse [letter] Rivera GK, et al. **Pediatrics** 1987 Apr;79(4):650–1

Predicting outcome in childhood leukemia. Where do we stand? [editorial] Crist WM. **Postgrad Med** 1987 Mar; 81(4):33, 37–8

Bone marrow transplantation for acute leukemia: recent advances and comparison with alternative therapies. Champlin R, et al. **Semin Hematol** 1987 Jan;24(1):55–67 (92 ref.)

Treatment of 218 adult acute lymphoblastic leukemias. Fiere D, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):64–6

European experience of bone marrow transplantation for leukemia. Ringdén O, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2600–4

Allogeneic bone marrow transplantation for acute lymphoblastic leukemia during first complete remission. Blume KG, et al. **Transplantation** 1987 Mar;43(3):389–92

Graft rejection in recipients of T-cell-depleted HLA-nonidentical marrow transplants for leukemia. Identification of host-derived antidonor allocytotoxic T lymphocytes. Kernan NA, et al. **Transplantation** 1987 Jun; 43(6):842–7

[Allogenic bone marrow transplantation in acute leukemia and non-Hodgkin's malignant lymphoma] Jacobsen N, et al. **Ugeskr Laeger** 1987 Mar 2;149(10):643–8 (Eng. Abstr.) **(Dan)**

[Allogeneic bone marrow transplantation in acute lymphoblastic leukemia of children. Analysis of prognostic factors. GEGMO (Bone Marrow Study Group) study] Bordigoni P, et al. **Arch Fr Pediatr** 1986 Dec;43(10):765–8 (Eng. Abstr.) **(Fre)**

[Acute lymphoblastic and nonlymphoblastic leukemia in 1st complete remission: consolidation treatment by intensive radio-chemotherapy followed by transplantation of HLA-A, B and Dr compatible allogeneic bone marrow] Gyger M, et al. **Union Med Can** 1986 Oct;115(10):699–702 (Eng. Abstr.) **(Fre)**

[Therapeutic successes and prognostic criteria in acute leukemia] Hoelzer D. **Lebensversicherungsmedizin** 1986 Nov 1;38(6):167–70 (Eng. Abstr.) **(Ger)**

[Assessment of prognosis from the viewpoint of the biostatistician] Neiss A. **Verh Dtsch Ges Inn Med** 1986; 92:446–8 **(Ger)**

[Total body irradiation in the conditioning of autologous bone marrow transplants in acute leukemias and lymphomas] Corvò R, et al. **Radiol Med (Torino)** 1986 Dec; 72(12):955–8 (Eng. Abstr.) **(Ita)**

[Progress in the study, treatment and cure of hematologic malignancies in children in North America] Hammond D. **Gan To Kagaku Ryoho** 1987 Jan;14(1):11–6 (Eng. Abstr.) **(Jpn)**

[End results and comparative analysis of treatment programs for childhood acute lymphocytic leukemia] Kawai S, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):17–26 (Eng. Abstr.) **(Jpn)**

[A transient appearance of CALLA positive blastoid cells after allogeneic bone marrow transplantation in a patient with acute lymphoblastic leukemia] Komatsu N, et al. **Rinsho Ketsueki** 1987 Feb;28(2):250–3 (Eng. Abstr.) **(Jpn)**

[Clinical study of 4 patients with hematological malignancy treated with allogeneic bone marrow transplantation after conditioning including hyperfractionated total body irradiation] Kubo K, et al. **Rinsho Ketsueki** 1987 Jan; 28(1):40–6 (Eng. Abstr.) **(Jpn)**

[Prognosis of acute leukemia in adults] Kwiatkowski A. **Folia Med Cracov** 1986;27(3–4):259–71 (Eng. Abstr.) **(Pol)**

[Autologous bone marrow transplantation as an attempt to maintain complete remission in a child with lymphoblastic leukemia] Jedrzejczak W, et al. **Pediatr Pol** 1986 Mar; 61(3):177–80 **(Pol)**

[Hyperbaric oxygenation in the complex treatment of acute leukemia in children] Pakhomov VI, et al. **Pediatriia** 1986 Aug;(8):31–2 (Eng. Abstr.) **(Rus)**

[Intensive detoxication therapy in acute leukemia] Terekhov NT, et al. **Vrach Delo** 1987 May;(5):80–2 (Eng. Abstr.) **(Rus)**

[Therapeutic results in children with acute lymphatic leukemia 1973–1985—a review] Gustafsson G, et al. **Lakartidningen** 1987 Feb 25;84(9):623–6 **(Swe)**

URINE

Urinary GP41 excretion in patients with acute leukemias treated with intensive induction polychemotherapy. Maubach PA, et al. **Hamatol Bluttransfus** 1987;30:271–7

VETERINARY

Immunization of chickens against Marek's disease with cell-free supernatant from the JMV-1 lymphoblastoid cell line. Keller LH, et al. **Prog Clin Biol Res** 1987;238:265–79

LEUKEMIA, LYMPHOCYTIC

Acute myeloid leukaemia developing in a patient with longstanding untreated chronic lymphocytic leukaemia. Wallis JP, et al. **Acta Haematol (Basel)** 1986;75(4):229–31

Chronic lymphocytic leukemia. Papers from an international conference on "Chronic Lymphocytic Leukemia as a Model for Studying Immunoproliferative Diseases". Dubrovnik, Yugoslavia, May 21–23, 1986. **Blood Cells** 1987; 12(2):281–502

Chronic herpetic infection in an immunocompromised patient: report of a case. Vinckier F, et al. **J Oral Maxillofac Surg** 1987 Aug;45(8):723–8

Establishment and characterization of T-cell lines (Yana-I and Yana-II) derived from a patient with chronic adult T-cell leukemia (ATL). Yamaguchi A, et al. **Tohoku J Exp Med** 1987 Jun;152(2):139–49

[Prognosis and survival in chronic lymphocytic leukemia] Pines A, et al. **Harefuah** 1986 Sep;111(5–6):128–9 (18 ref.) **(Heb)**

BLOOD

Soluble interleukin-2 receptors in B-cell leukemia and the acquired immunodeficiency syndrome [letter] Medina-Ibarrondo C, et al. **Ann Intern Med** 1987 May; 106(5):774

Serum protein electrophoresis patterns in chronic lymphocytic leukemia. Clinical and epidemiologic correlations. Miller RH, et al. **Arch Intern Med** 1987 Sep; 147(9):1614–7

High serum levels of soluble interleukin 2 receptor in patients with B chronic lymphocytic leukemia. Semenzato G, et al. **Blood** 1987 Aug;70(2):396–400

The relationship between chronic lymphocytic leukaemia and prolymphocytic leukaemia. II. Patterns of evolution of prolymphocytoid' transformation. Melo JV, et al. **Br J Haematol** 1986 Sep;64(1):77–86

The relationship between chronic lymphocytic leukaemia and prolymphocytic leukaemia. III. Evaluation of cell size by morphology and volume measurements. Melo JV, et al. **Br J Haematol** 1986 Nov;64(3):469–78

Inhibition of in vitro lymphocyte function by a soluble AKR leukemic suppressor factor. Davignon D, et al. **Cell Immunol** 1986 May;99(2):364–74

Uptake of free adenosine and adenosine from adenosine monophosphate by human peripheral blood lymphocytes: possible kinetic role for ecto-5'-nucleotidase in the regulation of intracellular adenosine. Shah T, et al. **Clin Exp Immunol** 1986 Oct;66(1):158–65

Proliferation patterns of peripheral blood lymphocytes in CLL patients: cytophotometric and microfluorimetric study. Kozinets GI, et al. **Folia Haematol (Leipz)** 1987; 114(1):97–110

B-lymphocyte colony formation in chronic lymphocytic leukemia. Dai YC, et al. **Int J Cell Cloning** 1987 Sep; 5(5):376–84

Proposed relation between expression of interleukin-2 and transferrin receptors in B lymphocyte chronic lymphocytic leukaemia [letter] Barnett D, et al. **J Clin Pathol** 1987 Jul; 40(7):814

Production of interferon by peripheral blood mononuclear cells from normal individuals and patients with chronic lymphocytic leukemia. Fernandez RC, et al. **J Interferon Res** 1986 Oct;6(5):573–80

Intracisternal tubules in a case of chronic lymphocytic leukaemia. Kostianovsky M, et al. **J Submicrosc Cytol** 1987 Jul;19(3):509–14

Large granular lymphocyte leukemia. Report of 38 cases and review of the literature. Loughran TP Jr, et al. **Medicine (Baltimore)** 1987 Sep;66(5):397–405

Phorbol ester (TPA)-induced surface membrane alterations in B-type hairy cell and lymphocytic leukemia cells. Polliack A, et al. **Scan Electron Microsc** 1986;(Pt 4):1523–35

[Cytochemical and cytoenzymatic studies of the lymphocytes of patients with lymphocytic leukemia and infectious mononucleosis] Mariańska B, et al. **Acta Haematol Pol** 1986 Jan-Jun;17(1–2):39–43 (Eng. Abstr.) **(Pol)**

[Induced differentiation of subpopulations of leukemic blood cells in patients with chronic B-cell lympholeukemia] Zlobina EN, et al. **Biull Eksp Biol Med** 1987 Mar; 103(3):340–2 (Eng. Abstr.) **(Rus)**

[Sedimentation-electrophoretic heterogeneity of the peripheral blood lymphocytes of healthy donors and chronic lymphatic leukemia patients] Slivinskiĭ GG, et al. **Gematol Transfuziol** 1987 Jan;32(1):29–33 (Eng. Abstr.) **(Rus)**

[Ultrastructure of the blood lymphoid cells and the dynamics of cellular immunity indices in chronic lympholeukemia patients during immunocorrection with T-activin] Chuvirov GN, et al. **Ter Arkh** 1986;58(9):67–70 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Myelin basic protein in CSF of children receiving intrathecal chemotherapy [letter] Thyss A. **J Clin Oncol** 1986 Oct; 4(10):1569

CHEMICALLY INDUCED

Chronic lymphoid leukaemia and hairy cell leukaemia due to chronic exposure to benzene: report of three cases. Aksoy M. **Br J Haematol** 1987 Jun;66(2):209–11

Comparison of methods for determining occupational exposure in a case-control interview study of chronic lymphocytic leukemia. Linet MS, et al. **J Occup Med** 1987 Feb;29(2):136–41

CLASSIFICATION

[Stage classification of chronic lymphatic leukemia as a basis for therapy decisions] Osterwald B.

Dtsch Med Wochenschr 1987 Mar 20;112(12):473–5 **(Ger)**

COMPLICATIONS

Chronic lymphocytic leukaemia complicated by recurrent Bell's palsy. Gibson J, et al. **Acta Haematol (Basel)** 1987; 77(2):124–5

Transient response of pure red cell aplasia to anti-thymocyte globulin in a patient with T-cell chronic lymphocytic leukemia. Hocking W, et al. **Am J Hematol** 1987 Mar; 24(3):285–91

Cryptococcal tonsillitis in a patient with chronic lymphocytic leukemia: an unusual manifestation of cryptococcal disease. Korvick J, et al. **Am J Hematol** 1987 Aug;25(4):475–8

Hypophosphatemic osteomalacia and adult Fanconi syndrome due to light-chain nephropathy. Another form of oncogenous osteomalacia. Rao DS, et al. **Am J Med** 1987 Feb;82(2):333–8

Postsplenectomy infection in patients with chronic leukemia. Mower WR, et al. **Am J Surg** 1986 Dec;152(6):583–6 (13 ref.)

Coronary artery bypass grafting in chronic lymphocytic leukemia [letter] Almassi GH, et al. **Ann Thorac Surg** 1987 May;43(5):574

Chronic lymphocytic leukaemia contemporaneous with HIV infection. Sewell HF, et al. **Br Med J [Clin Res]** 1987 Apr 11;294(6577):938–9

Erysipelothrix septicemia in an immunocompromised host. Shumak SL, et al. **Can Med Assoc J** 1987 Feb 1; 136(3):273–4

Fulminant leukemic polyradiculoneuropathy in a case of B-cell prolymphocytic leukemia. A clinicopathologic report. Haberland C, et al. **Cancer** 1987 Oct 1;60(7):1454–8

Chronic lymphocytic leukemic meningitis as a cause of the syndrome of inappropriate secretion of antidiuretic hormone. Stagg MP, et al. **Cancer** 1987 Jul 15;60(2):191–2

Remission of the nephrotic syndrome associated with chronic lymphocytic leukaemia [letter] Haines ME, et al. **Clin Lab Haematol** 1986;8(4):366–8

Inflammatory bowel disease and leukemia. A report of seven cases of leukemia in ulcerative colitis and Crohn's disease and review of the literature. Mir Madjlessi SH, et al. **Dig Dis Sci** 1986 Oct;31(10):1025–31

Simultaneous occurrence of chronic granulocytic leukemia and chronic lymphoid leukemia. Leoni F, et al. **Haematologica (Pavia)** 1987 May–Jun;72(3):253–6

Philadelphia (Ph), 14q+ and 1q+ chromosomes in immunoblastic phase (Richter's syndrome) in a patient with T chronic lymphocytic leukaemia. Palka G, et al. **Haematologica (Pavia)** 1986 May–Jun;71(3):221–4

A characteristic vesiculobullous eruption in patients with chronic lymphocytic leukemia. Rosen LB, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):943–50

Coexistent infection and tumor of the spine. A report of three cases. Eismont FJ, et al. **J Bone Joint Surg [Am]** 1987 Mar; 69(3):452–8

Fatal Serratia marcescens epiglottitis in a patient with leukaemia [letter] Parment PA, et al. **J Infect** 1987 May; 14(3):280

Treatment of intraoral hemorrhage in a leukemic patient: a case report. Ross M. **NY State Dent J** 1987 Mar;53(3):16–8

Hypercalcaemia in chronic lymphatic leukaemia. Macintyre EA. **Postgrad Med J** 1986 May;62(727):393–4

Gastrointestinal bleeding due to large bowel infiltration by chronic lymphocytic leukaemia. Tucker J, et al. **Postgrad Med J** 1986 Jan;62(723):45–6

Persistent local insulin allergy in a diabetic with chronic lymphatic leukaemia. Winocour PH, et al. **Postgrad Med J** 1986 Sep;62(731):865–8

Bordetella bronchiseptica pneumonia in a patient with chronic lymphocytic leukemia. Buggy BP, et al. **South Med J** 1987 Sep;80(9):1187–9

Recurrent pulmonary infections in patients with chronic lymphocytic leukemia and hypogammaglobulinemia. Freeland HS, et al. **South Med J** 1986 Nov;79(11):1366–9

A case of classical Kaposi's sarcoma in B-cell chronic lymphocytic leukemia (B-CLL). Contu L, et al. **Tumori** 1986 Aug 31;72(4):365–74

[Chronic lymphatic leukemia with inclusion bodies, hypercalcemia and kidney infiltration] van Dobbenburgh OA. **Ned Tijdschr Geneeskd** 1986 Oct 11;130(41):1848–51 (Eng. Abstr.) **(Dut)**

[Chronic herpes of the pyodermatitis vegetans type in chronic cutaneous lymphoid leukemia] Meunier L, et al. **Ann Dermatol Venereol** 1986;113(12):1199–204 (Eng. Abstr.) **(Fre)**

[Extramembranous glomerulopathy in chronic B lymphoid leukemia. 5 years' follow-up] Baglin A, et al. **Ann Med Interne (Paris)** 1987;138(3):189–92 (Eng. Abstr.) **(Fre)**

[Mechanisms of cytopenia in chronic lymphoid leukemia: significance for prognosis] Najean Y, et al. **Presse Med** 1986 Dec 20;15(45):2231–4 (Eng. Abstr.) **(Fre)**

[Severe infections associated with chronic lymphoid leukemia. 159 infectious episodes in 60 patients] Travade P, et al. **Presse Med** 1986 Oct 11;15(34):1715–8 (Eng. Abstr.) **(Fre)**

[Association of chronic lymphoid leukemia and leiomyosarcoma. Role of chlorambucil in therapy] Blanc P, et al. **Rev Med Interne** 1987 May–Jun;8(3):307–9 **(Fre)**

[Progressive multifocal leukoencephalopathy. Late complication in chronic lymphatic leukemia] Höfeler H, et al. **Dtsch Med Wochenschr** 1987 Jun 12;112(24):963–6 (Eng. Abstr.) **(Ger)**

[The simultaneous occurrence of chronic lymphatic leukemia with malignant tumors and the lymphatic reaction caused by malignant growths] Hadnagy C, et al. **Folia Haematol (Leipz)** 1986;113(5):633–7 (Eng. Abstr.) **(Ger)**

[Pemphigus-pemphigoid mixed bullous dermatosis in chronic lymphatic leukemia] Aloi FG, et al. **G Ital Dermatol Venereol** 1986 Sep–Oct;121(5):343–8 (Eng. Abstr.) **(Ita)**

[Intrahepatic presinusoidal portal hypertension in a female patient with chronic lymphatic leukemia] Salmi A, et al. **Minerva Med** 1986 Dec 15;77(47–48):2255–7 (Eng. Abstr.) **(Ita)**

[Nonreactive generalized tuberculosis in 2 leukemic patients] Cantore M, et al. **Recenti Prog Med** 1987 Jan;78(1):20–2 (Eng. Abstr.) **(Ita)**

[Immunodeficiency in lymphoproliferative processes and possibilities of correcting it] Kirzon SS, et al. **Gematol Transfuziol** 1987 Jan;32(1):18–24 (Eng. Abstr.) **(Rus)**

[Generalized forms of herpes in lymphocytic leukemia] Raznatovskiĭ IM, et al. **Vestn Dermatol Venerol** 1987; (6):41–3 **(Rus)**

[Hypercalcemia caused by primary hyperparathyroidism in a patient with chronic lymphoid leukemia] Olmos Martínez J, et al. **Med Clin (Barc)** 1987 Jun 6;89(2):65–7 (Eng. Abstr.) **(Spa)**

[Hypercalcemic encephalopathy in a patient with chronic lymphoid leukemia (letter)] Hermosilla Cabrerizo T, et al. **Rev Clin Esp** 1987 May;180(9):519–20 **(Spa)**

DIAGNOSIS

Cases from the aerospace medicine residents' teaching file. Case #15. An aviator with chronic lymphocytic leukemia. Nunes LB, et al. **Aviat Space Environ Med** 1986 Nov; 57(11):1109–11

Monoclonal anti-light chain idiotype as a tumor-specific probe for human neoplastic B lymphocytes. Wrightham M, et al. **Blood** 1987 Mar;69(3):919–23

Chronic lymphocytic leukemia: an AIDS like disease? [letter] Millard RE. **Br J Haematol** 1986 Dec;64(4):841–2

Automated leucocyte differential counts in chronic lymphocytic and hairy-cell leukaemias: a comparison of the Hemalog D, H6000 and Coulter S Plus IV. Lai AP, et al. **Clin Lab Haematol** 1987;9(2):169–74

Frostbite desquamation of the soles as the presenting sign of leukemia. Shelley WB, et al. **Cutis** 1986 Oct;38(4):259–60

Serum deoxythymidine kinase correlates with peripheral lymphocyte thymidine uptake in chronic lymphocytic leukemia. Källander CF, et al. **Eur J Haematol** 1987 Apr; 38(4):331–7

Differentiation between chronic lymphocytic leukaemia (B-CLL) and non-Hodgkin lymphomas in the leukaemic phase by the mouse red blood cell rosette assay. Pecze K, et al. **Folia Haematol (Leipz)** 1986;113(4):446–50

A case of Richter's syndrome due to the spontaneous proliferation of two immunologically unrelated B cell malignancies. Rossi G, et al. **Haematologica (Pavia)** 1987 Jan–Feb;72(1):67–70

A cytological analysis of FMC-7 positive leukaemias. Hart DN, et al. **Hematol Oncol** 1986 Jul–Sep;4(3):205–12

Differences in the enzymatic profile in human lymphoid tumors. Ubeira FM, et al. **Rev Esp Oncol** 1984;31(4):559–73

DRUG THERAPY

Weekly mitoxantrone therapy of Hodgkin's disease, non-Hodgkin's lymphoma, and chronic lymphocytic leukemia. A Southeastern Cancer Study Group Trial. Keller JW, et al. **Am J Clin Oncol** 1987 Jun;10(3):194–5

Clinical and laboratory changes induced by alpha interferon in chronic lymphocytic leukemia—a pilot study. Talpaz M, et al. **Am J Hematol** 1987 Apr;24(4):341–50

Second malignancies in children treated for non-Hodgkin's lymphoma and T-cell leukaemia with the UKCCSG regimens. Ingram L, et al. **Br J Cancer** 1987 Apr; 55(4):463–6

Sustained complete remission in Richter's syndrome. Heslop HE, et al. **Cancer** 1987 Mar 1;59(5):1036–9

Effect of trimethoprim/sulfamethoxazole prophylaxis on outcome of childhood lymphocytic leukemia. A Pediatric Oncology Group Study. van Eys J, et al. **Cancer** 1987 Jan 1;59(1):19–23

Treatment of refractory chronic lymphocytic leukemia with prednimustine: a phase II study using strict response criteria. Gandara DR, et al. **Cancer Chemother Pharmacol** 1987;19(2):165–8

Phase II trial of tamoxifen in chronic lymphocytic leukemia. Al-Gailani F, et al. **Cancer Treat Rep** 1986 Nov; 70(11):1343–4

Terminal stage lymphoproliferative disorders treated with low dose cytosine arabinoside. Stentoft J, et al. **Eur J Haematol** 1987 Mar;38(3):284–7

The value of the short term predictive assay in the inductive treatment of patients with acute nonlymphoblastic leukemia. Mardiak J, et al. **Neoplasma** 1986;33(6):723–30

Patient accrual and interim statistical analysis in long-term randomized clinical trials: the French chronic lymphocytic leukemia CLL 80 protocol as a case study. Chastang C, et al. **Stat Med** 1986 Sep–Oct;5(5):465–73

[Contribution of anthracyclines in treatment of lymphoproliferative disorders] Coiffier B. **Pathol Biol (Paris)** 1987 Jan;35(1):75–8 (Eng. Abstr.) **(Fre)**

[Acute myeloid leukemia in chronic lymphoid leukemia treated with chlorambucil (letter)] Devilliers E, et al. **Presse Med** 1986 Oct 18;15(36):1832 **(Fre)**

[Indications for the therapy of chronic lymphatic leukemia] Osterwalder B. **Dtsch Med Wochenschr** 1987 Mar 20; 112(12):476–8 **(Ger)**

[Phase II study of chlorambucil in patients with hematological malignancies] Inoue K, et al. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2672–5 (Eng. Abstr.) **(Jpn)**

[Phase II study of prednimustine in follicular lymphoma and chronic lymphocytic leukemia] Ito Y, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):173–8 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Alterations in ornithine decarboxylase and transglutaminase activities in lymphocytes from untreated patients with chronic lymphocytic leukemia. Vanella A, et al. **Acta Haematol (Basel)** 1986;76(1):33–6

Behaviour of lysosomes in the cells of transplantable and natural lymphatic leukaemia in mice in the light of cytoenzymatic and electron microscopic examinations. Madej JA, et al. **Arch Exp Veterinarmed** 1986 Jul; 40(4):486–95

Genetic expression of adenosine deaminase in human lymphoid malignancies. Gan TE, et al. **Blood** 1987 May; 69(5):1376–80

Acid hydrolases in B-chronic lymphocytic leukemia (B-CLL): a comparison with normal peripheral B lymphocytes and normal B-cell subset with the phenotype of B-leukaemic cells. Palestro G, et al. **Leuk Res** 1987; 11(5):429–36

[Lactate dehydrogenase isoenzymes in chronic lympholeukemia and lymphoma] Predtechenskaia VS, et al. **Lab Delo** 1987;(4):269–71 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Chronic lymphocytic leukaemia: case control epidemiological study in Yorkshire. Cartwright RA, et al. **Br J Cancer** 1987 Jul;56(1):79–82

B-cell chronic lymphatic leukemia in Hodgkin's disease. A report of two patients with unusual chromosome features. Bezwoda WR, et al. **Cancer** 1987 Feb 15;59(4):761–6

Idiopathic myelofibrosis complicated by chronic lymphatic leukaemia. Kaufman S, et al. **Clin Lab Haematol** 1987; 9(1):81–4

Leukaemia in a carpet factory: an epidemiological investigation. Cartwright RA, et al. **J Soc Occup Med** 1987 Summer;37(2):42–3

FAMILIAL & GENETIC

T cell gamma gene rearrangements in hematologic neoplasms. Asou N, et al. **Blood** 1987 Mar;69(3):968–70

Phenotype of chronic lymphocytic leukemia (CLL) B-cells. B-CLL cells express the Leu-8 antigen. Cafaro A, et al. **Blut** 1987 Jan;54(1):43–9

Simultaneously increased expression of the c-myc and mu chain genes in the acute blastic transformation of a chronic lymphocytic leukaemia. Torelli UL, et al. **Br J Haematol** 1987 Feb;65(2):165–70

Distinct chromosome abnormalities in ataxia telangiectasia with chronic T-cell lymphocytic leukemia. Becher R, et al. **Cancer Genet Cytogenet** 1987 Jun;26(2):217–25

Cytogenetic aspects of B-cell chronic lymphocytic leukemia: their correlation with clinical stage and different polyclonal mitogens. Castoldi GL, et al. **Cancer Genet Cytogenet** 1987 May;26(1):75–84

Chromosome abnormalities in chronic lymphocytic leukemia revealed by cytochalasin B and Epstein-Barr virus. Crossen PE, et al. **Cancer Genet Cytogenet** 1987 Sep;28(1):93–100

Origin of trisomy 12 in B-cell chronic lymphocytic leukemia [letter] Crossen PE, et al. **Cancer Genet Cytogenet** 1987 Sep;28(1):185–6

Chromosome abnormalities involving band 13q14 in hematologic malignancies. Fitchett M, et al. **Cancer Genet Cytogenet** 1987 Jan;24(1):143–50

Cytogenetic evidence for clonal evolution in B-cell chronic lymphocytic leukemia. Han T, et al. **Cancer Genet Cytogenet** 1986 Dec;23(4):321–8

The effect of cytosine-arabinoside treatment on the overexpression of c-myc protooncogene in a case of prolymphocytic leukemia. Kaczmarek L, et al. **Cancer Genet Cytogenet** 1987 Jul;27(1):89–99

Karyotypic evolution of chronic lymphocytic leukemia B cells. Lee CL, et al. **Cancer Genet Cytogenet** 1986 Dec; 23(4):329–31

An acquired Robertsonian translocation in prolymphocytic leukemia: a case presentation and review. Morgan R, et al. **Cancer Genet Cytogenet** 1987 Apr;25(2):293–301

Clonal chromosome abnormalities in chronic lymphocytic leukemia patients revealed by TPA stimulation of whole blood cultures. Ross FM, et al. **Cancer Genet Cytogenet** 1987 Mar;25(1):109–21

Induction of DNA strand breaks in chronic lymphocytic leukemia following treatment with 2'-deoxycoformycin in vivo and in vitro. Begleiter A, et al. **Cancer Res** 1987 May

1;47(9):2498–503

Expression of c-myc and c-fos during phorbol ester induced differentiation of B-type chronic lymphocytic leukemia cells. Nilsson K, et al. **Curr Top Microbiol Immunol** 1986; 132:280–9

Application of RNA–RNA tissue in situ hybridization in an analysis of a patient with leukemia. Seibel NL, et al. **Hum Pathol** 1987 Jan;18(1):3–8

Human T cell gamma genes are frequently rearranged in B-lineage acute lymphoblastic leukemias but not in chronic B cell proliferations. Chen Z, et al. **J Exp Med** 1987 Apr 1;165(4):1000–15

Sequences responsible for erythroid and lymphoid leukemia in the long terminal repeats of Friend-mink cell focus-forming and Moloney murine leukemia viruses. Ishimoto A, et al. **J Virol** 1987 Jun;61(6):1861–6

Chronic lymphocytic leukaemia in twin sisters: monozygous but not identical [letter] Brok-Simoni F, et al. **Lancet** 1987 Feb 7;1(8528):329–30

Hair root DNA: a source of constitutional DNA in leukaemia [letter] Pilkington S, et al. **Lancet** 1987 Jan 10;1(8524):112

Proenkephalin A-like mRNA in human leukemia leukocytes and CNS-tissues. Monstein HJ, et al. **Life Sci** 1986 Dec 8;39(23):2237–41

Relevance of monoclonal antibody phenotyping and of genetic studies in the classification of T-cell leukemia/lymphoma. Pandolfi F, et al. **Onkologie** 1987 Jun; 10(3):134–6

Immunoglobulin and T-cell receptor gene rearrangement and expression in human lymphoid leukemia cells at different stages of maturation. Davey MP, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8759–63

T-cell chronic lymphocytic leukaemias and T-cell lymphoma-leukaemia: heterogeneity and anomalous cell markers. Spiers AS, et al. **Scand J Haematol** 1986 Nov; 37(5):421–4

[Advances in research on the chromosomal study of chronic lymphocytic leukemia] Xie YQ, et al. **Chung Hua I Hsueh Tsa Chih** 1986 Apr;66(4):250–2 (20 ref.) **(Chi)**

IMMUNOLOGY

Repressed classical complement pathway activities and clinical correlations in chronic lymphocytic leukaemia. Miszlai Z, et al. **Acta Med Hung** 1986;43(4):389–95

Serum immunoglobulins and lymphocyte subsets in chronic lymphocytic leukemia. Davey FR, et al. **Am J Clin Pathol** 1987 Jan;87(1):60–5

Monoclonal proteins in chronic lymphocytic leukemia. Noel P, et al. **Am J Clin Pathol** 1987 Mar;87(3):385–8

Serum bactericidal and opsonic activities in chronic lymphocytic leukemia and multiple myeloma. Kansu E, et al. **Am J Hematol** 1986 Nov;23(3):191–6

Restoration of impaired natural killer cell activity of B-chronic lymphocytic leukemia patients by recombinant interleukin-2. Kay NE, et al. **Am J Hematol** 1987 Feb; 24(2):161–7

Impaired synthesis of immunoglobulin in patients with chronic lymphocytic leukemia. Kurec AS, et al. **Am J Hematol** 1987 Jun;25(2):131–42

The immunomodulating effect of theophylline on lymphocytes from chronic lymphocytic leukemia patients. Komlos L, et al. **Asian Pac J Allergy Immunol** 1986 Dec; 4(2):89–94

In vitro function of a T-cell chronic lymphocytic leukemia with suppressor cell phenotype. Crosier PS. **Aust NZ J Med** 1986 Jun;16(3):389–92

Analysis with antiidiotype antibody of a patient with chronic lymphocytic leukemia and a large cell lymphoma (Richter's syndrome). Bertoli LF, et al. **Blood** 1987 Jul;70(1):45–50

Monoclonal antibodies against the chronic lymphatic leukemia antigen cCLLa: characterization and reactivity. Faguet GB, et al. **Blood** 1987 Aug;70(2):437–43

Normal cellular counterparts of B cell chronic lymphocytic leukemia. Freedman AS, et al. **Blood** 1987 Aug; 70(2):418–27

Cytoplasmic immunoglobulins in chronic lymphocytic leukemia B cells. Pianezze G, et al. **Blood** 1987 Apr; 69(4):1011–4

Leu 11+ T gamma cell chronic lymphocytic leukemia with partially activated natural killer function and its further activation by recombinant IL2 in vitro. Tagawa S, et al. **Blood** 1986 Oct;68(4):846–52

Modulation of chronic lymphocytic leukemia (CLL) lymphocyte phenotypes by in vitro incubation with alpha 1 thymosin. Benković B, et al. **Blood Cells** 1987; 12(2):441–55

Does the CLL B lymphocyte correspond to expansion of an immature B clone or to expansion of a distinct subpopulation of B cells? Dighiero G, et al. **Blood Cells** 1987;12(2):385–97 (71 ref.)

Immunoregulatory T-cell defects in B-cell chronic lymphocytic leukemia: cause or consequence of the disease? The contributory role of decreased availability of interleukin 2 (IL-2). Foa R, et al. **Blood Cells** 1987; 12(2):399–412

Reactivity of B leukemic lymphocytes of patients with chronic lymphocytic leukemia to PWM and PHA. Isaković K, et al. **Blood Cells** 1987;12(2):355–64

Chronic lymphocytic leukemia: a model for studying immunoproliferative diseases [editorial] Jakšić B, et al. **Blood Cells** 1987;12(2):281–3

A review of the prognostic role of cytogenetic, phenotypic, morphologic, and immune function characteristics in chronic lymphocytic leukemia. Rai KR, et al. **Blood Cells** 1987;12(2):327–38 (37 ref.)

Phenotypic modulation of chronic lymphocytic, prolymphocytic, and lymphoplasmacytic leukemia cells by TPA: induction of TRAP isoenzyme 5 and HD6 (CD22) antigen and enhancement of IgM messenger RNA. Thiel E, et al. **Blood Cells** 1987;12(2):365–83

T-helper phenotype chronic lymphocytic leukemia (Thp-CLL): characterization of an Italian case with particular biological findings. Pasqualetti D, et al. **Blut** 1987 May;54(5):289–98

Long survival in B-CLL correlates with surface IgM kappa phenotype. Hamblin TJ, et al. **Br J Haematol** 1987 May; 66(1):21–6

The incidence, clonal origin and secretory nature of serum paraproteins in chronic lymphocytic leukaemia. Sinclair D, et al. **Br J Haematol** 1986 Dec;64(4):725–35

A T chronic lymphocytic leukemia with large granular lymphocytes. Phenotype and functions of leukemic cells under in vitro treatment by differentiation inducers. Merle-Beral H, et al. **Cancer** 1987 Apr 1;59(7):1296–303

Mythylation of human HLA-D/DR genes: derangement in chronic lymphocytic leukemia. Tobe H, et al. **Cancer Biochem Biophys** 1986 Oct;8(4):313–26

Heterogeneity of B-cell growth factor receptor reactivity in healthy donors and in patients with chronic lymphatic leukemia: relationship to B-cell-derived lymphokines. Benjamin D, et al. **Cell Immunol** 1986 Dec;103(2):394–408

Different maturation capabilities of chronic lymphocytic leukaemia lymphocytes in vitro. Rożynkowa D, et al. **Cytobios** 1986;48(192):31–7

Surface immunoglobulin intensivity and p67 (CD5) antigen expression define different forms of B-cell chronic lymphocytic leukaemia. Bassan R, et al. **Haematologica (Pavia)** 1987 May-Jun;72(3):221–5

Surface phenotype and clinical stages in B-cell chronic lymphocytic leukaemia. Orfao A, et al. **Haematologica (Pavia)** 1987 Jan-Feb;72(1):39–43

Differential surface marker expression in patients with CD-16+ lymphoproliferative disorders: in vivo model for NK differentiation. Bray RA, et al. **Hum Immunol** 1987 Jun;19(2):105–15

C1 and C4 abnormalities in chronic lymphocytic leukaemia and their significance. Füst G, et al. **Immunol Lett** 1987 Feb;14(3):255–9

Activation of B chronic lymphocytic leukaemia cells by Branhamella catarrhalis. Calvert JE, et al. **Immunology** 1987 Jan;60(1):45–50

HLA & surface markers in untreated lymphoid leukaemia patients. Mehta MM, et al. **Indian J Med Res** 1987 Apr; 85:415–9

A case of human B cell leukemia that implicates an autocrine mechanism in the abnormal growth of Leu 1 B cells. Kawamura N, et al. **J Clin Invest** 1986 Nov;78(5):1331–8

Non-cytotoxic antibodies in chronic lymphocytic leukaemia. MacLeod AM, et al. **J Clin Pathol** 1987 Jul;40(7):766–70

Cimetidine modulates natural killer cell function of patients with chronic lymphocytic leukemia. Allen JI, et al. **J Lab Clin Med** 1987 Apr;109(4):396–401

Immunoglobulin synthesis and secretion by leukemic B cells from patients with chronic lymphocytic leukemia. Kunicka JE, et al. **Leuk Res** 1986;10(9):1101–7

Prolymphocytoid variants of chronic lymphocytic leukaemia: an immunological and morphological survey. Scott CS, et al. **Leuk Res** 1987;11(2):135–40

Antigenic phenotype of LEW rat lymphatic leukemia. Křenová D, et al. **Neoplasma** 1987;34(2):139–49

High-frequency expression of a conserved kappa light-chain variable-region gene in chronic lymphocytic leukemia. Kipps TJ, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):2916–20

Chronic T cell leukemia with a NK phenotype reacting with anti-myelin-associated glycoprotein (MAG) mouse monoclonal antibody. Tanaka M, et al. **Tohoku J Exp Med** 1986 Oct;150(2):225–6

Immunoelectron microscopic localization of immunoglobulin in B-cell lymphomas. Mimura R, et al. **Virchows Arch [B]** 1986;52(3):207–20

[Increased susceptibility for infection in malignant diseases of the lymphatic system] de Gast GC, et al. **Ned Tijdschr Geneeskd** 1986 Sep 13;130(37):1633–5 **(Dut)**

[Detection of intracytoplasmic immunoglobulins by cytofluorography] Filippi JF, et al. **Nouv Rev Fr Hematol** 1986;28(5):297–302 (Eng. Abstr.) **(Fre)**

[Cell surface phenotype in chronic lymphocytic leukemia] Kamihira S, et al. **Rinsho Ketsueki** 1987 Apr;28(4):513–8 (Eng. Abstr.) **(Jpn)**

[A case of T-cell chronic lymphocytic leukemia with both helper and suppressor phenotype, and helper function] Yamashita T, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1400–3 (Eng. Abstr.) **(Jpn)**

[Changes in the segmental flexibility and conformation stability of side groups in spin-labeled molecules of 2 IgG subclasses in the serum of normal cows and cows in various pathological states] Arutiunian AE, et al. **Biofizika** 1987 May-Jun;32(3):514–6 (Eng. Abstr.) **(Rus)**

[Regulation of the natural killer activity of lymphocytes from healthy donors and patients with chronic lympholeukemia through the interaction of T- and non-T cells] Khonina NA, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):321–3 (Eng. Abstr.) **(Rus)**

[Peripheral blood T-lymphocytes of patients with chronic B-cell lympholeukemia express Ia-like antigens] Zlobina EN, et al. **Biull Eksp Biol Med** 1987 Feb;103(2):196–8 (Eng. Abstr.) **(Rus)**

[Immunologic and clinical indicators in patients with lymphocytic leukemia after administration of T-activin] Lebedev VN, et al. **Gematol Transfuziol** 1987 Jun; 32(6):30–4 (Eng. Abstr.) **(Rus)**

[Characteristics of gastric mucosa lesions in patients with lymphocytic leukemia and lymphogranulomatosis] Ostrovskii AB, et al. **Gematol Transfuziol** 1986 Aug; 31(8):14–6 (Eng. Abstr.) **(Rus)**

[The complement system and circulating immune complexes in the pathogenesis of lymphocytic leukemia] Lialikova GV, et al. **Ter Arkh** 1987;59(6):46–7 **(Rus)**

[Levels of the individual immunoglobulin classes in the blood serum and saliva of patients with various stages of chronic lympholeukemia] Lialikova GV, et al. **Ter Arkh** 1986; 58(9):77–80 (Eng. Abstr.) **(Rus)**

METABOLISM

Cholesterol modulation of membrane fluidity and ecto-nucleotide triphosphatase activity in human normal and CLL lymphocytes. Deliconstantinos G, et al. **Anticancer Res** 1987 May-Jun;7(3 Pt B):347–52

Control of phosphofructokinase by fructose 2,6-bisphosphate in B-lymphocytes and B-chronic lymphocytic leukemia cells. Colomer D, et al. **Cancer Res** 1987 Apr 1; 47(7):1859–62

Expression of CD 25 (Tac antigen) in lymphoid leukemias and non-Hodgkin lymphomas. Faure GC, et al. **Eur J Haematol** 1987 Jan;38(1):26–30

Co-expression of T3 and surface immunoglobulin in neoplasms of 'early' B cells: a report of 2 cases. Haegert DG, et al. **Eur J Haematol** 1987 Mar;38(3):213–9

Aberrant ribonucleotide pattern in lymphoid cells from patients with chronic lymphocytic leukaemia or non-Hodgkin lymphoma. de Korte D, et al. **Int J Cancer** 1987 Aug 15;40(2):192–7

Two-dimensional analysis of metabolically and cell surface radiolabeled proteins of some human lymphoid and myeloid leukemia cell lines. II. Glycosylated and phosphorylated proteins. Chorváth B, et al. **Neoplasma** 1986;33(5):565–70

Two-dimensional analysis of metabolically and cell surface radiolabeled proteins of some human lymphoid and myeloid leukemia cell lines. I. 35S-methionine labeled, lactoperoxidase radioiodinated and 3H-reductively methylated proteins. Duraj J, et al. **Neoplasma** 1986; 33(5):555–64

MICROBIOLOGY

HTLV-I--associated B-cell CLL: indirect role for retrovirus in leukemogenesis. Mann DI, et al. **Science** 1987 May 29; 236(4805):1103–6

MORTALITY

The relationship between chronic lymphocytic leukaemia and prolymphocytic leukaemia. IV. Analysis of survival and prognostic features. Melo JV, et al. **Br J Haematol** 1987 Jan;65(1):23–9

Poor age-corrected survival of chronic lymphocytic leukaemia patients with trisomy 12. Juliusson G, et al. **Eur J Haematol** 1987 Apr;38(4):315–7

Survival and prognostic factors in chronic lymphocytic leukemia. Pines A, et al. **Eur J Haematol** 1987 Feb; 38(2):123–30

OCCURRENCE

Chronic lymphocytic leukemia in China. Boggs DR, et al. **Am J Hematol** 1987 Jul;25(3):349–54

PATHOLOGY

Interindividual phenotypic variations in CLL B lymphocyte maturation indication of different maturation blocks. Rozynkowa D, et al. **Acta Anthropogenet** 1985;9(1–3):48–62

New aggressive variant of suppressor/cytotoxic T-CLL. Hui PK, et al. **Am J Clin Pathol** 1987 Jan;87(1):55–9

Lymphoid blastic crisis in Ph-negative chronic myeloid leukemia [letter] Sigler E, et al. **Am J Hematol** 1987 Mar; 24(3):327–8

Prognosis of chronic lymphocytic leukemia: a multivariate regression analysis of 325 untreated patients. Lee JS, et al. **Blood** 1987 Mar;69(3):929–36

Induction of NK activity in large granular lymphocyte leukemia: activation with anti-CD3 monoclonal antibody and interleukin 2. Loughran TP Jr, et al. **Blood** 1987 Jan; 69(1):72–8

The proliferative response of B cell chronic lymphocytic leukemia to interleukin 2: functional characterization of the interleukin 2 membrane receptors. Touw I, et al. **Blood** 1987 Jun;69(6):1667–73

Clinical relevance of peripheral blood lymphocyte morphology and lymph node histology in chronic lymphocytic leukemia. Dominis M, et al. **Blood Cells** 1987; 12(2):297–313

Phorbol ester induction of plasmacytoid and hairy cell leukemia features in B-type lymphocytic leukemias: the

relation to B-cell differentiation and maturation. Gazitt Y, et al. **Blood Cells** 1987;12(2):413–39
Chronic lymphocytic leukemia and prolymphocytic leukemia: a clinicopathological reappraisal. Melo JV, et al. **Blood Cells** 1987;12(2):339–53
Bone marrow biopsy in chronic lymphocytic leukemia: a review of its prognostic importance. Montserrat E, et al. **Blood Cells** 1987;12(2):315–26 (22 ref.)
Lymphocyte doubling time in chronic lymphocytic leukemia: an update of its prognostic significance. Viñolas N, et al. **Blood Cells** 1987;12(2):457–70
Heterogeneity of large granular lymphocyte proliferations: morphological, immunological and molecular analysis in seven patients. Lauria F, et al. **Br J Haematol** 1987 Jun; 66(2):187–91
An autopsy study of 1206 acute and chronic leukemias (1958 to 1982). Barcos M, et al. **Cancer** 1987 Aug 15;60(4):827–37
Meningeal involvement in early stage chronic lymphocytic leukemia. Cash J, et al. **Cancer** 1987 Feb 15;59(4):798–800
Investigation of cell size and nuclear clefts as prognostic parameters in chronic lymphocytic leukemia. Ghani AM, et al. **Cancer** 1986 Nov 15;58(10):2233–8
Bronchiolocentric chronic lymphocytic leukemia. Palosaari DE, et al. **Cancer** 1986 Oct 15;58(8):1695–8
B-chronic lymphocytic leukemia. Prognostic implication of bone marrow histology in 120 patients experience from a single hematology unit. Pangalis GA, et al. **Cancer** 1987 Feb 15;59(4):767–71
A reappraisal of Richter's syndrome. Development of two phenotypically distinctive cell lines in a case of chronic lymphocytic leukemia. Suster S, et al. **Cancer** 1987 Apr 15;59(8):1412–8
Lectin affinity fractionation of asparagine-linked oligosaccharides from normal human and chronic leukemic leukocytes. Forsberg LS, et al. **Cancer Biochem Biophys** 1987 May;9(2):155–68
Long term growth of factor-producing lymphoid and myeloid cells in serum-free medium. Tanno Y, et al. **Cell Struct Funct** 1986 Sep;11(3):209–17
Long-term cultures of chronic lymphocytic leukemia B cells generate B suppressor cells. Farkas R, et al. **Clin Immunol Immunopathol** 1987 Feb;42(2):171–82
Inhibition of spontaneous proliferation of human leukemic B cells from patients with chronic lymphocytic leukemia by anti-mu antibodies. Steinberg J, et al. **Clin Immunol Immunopathol** 1987 Sep;44(3):371–80
Lack of prognostic significance of T-lymphocyte subset counts in B-cell chronic lymphocytic leukaemia. Geisler CH, et al. **Eur J Haematol** 1987 Jan;38(1):67–74
T lymphocyte subpopulations in chronic lymphocytic leukemia of B cell type in relation to immunoglobulin isotype(s) on the leukemic clone and to clinical features. Kimby E, et al. **Eur J Haematol** 1987 Mar;38(3):261–7
'Pseudo-lymphoid' leukaemia with unusual features: ultrastructural, immunological, cytogenetic and molecular studies. Matutes E, et al. **Eur J Haematol** 1987 Apr; 38(4):303–9
Migration of leukaemic lymphocytes (chronic lymphocytic leukaemia) through a 3-D collagen gel: a possible prognostic factor. Shiu W, et al. **Eur J Haematol** 1987 Feb; 38(2):117–22
Patterns of gene expression during plasmacytoid differentiation of chronic lymphocytic leukaemia cells. Norton JD, et al. **FEBS Lett** 1987 May 4;215(1):127–31
The behaviour of 6-keto PGF1 alpha and TXB2 concentrations in the culture supernatant of chronic lymphocytic leukaemia cells. Giedrojć J. **Folia Haematol (Leipz)** 1987;114(1):111–6
Flow cytometry of TPA-induced changes in cells of chronic B-cell leukemias. Munker R, et al. **Folia Haematol (Leipz)** 1987;114(2):177–87
The definition of the favourable stage of CLL. Chisesi T, et al. **Haematologica (Pavia)** 1986 Sep–Oct;71(5):401–5
Expression of the T1 (CD5, p67) surface antigen in B-CLL and B-NHL and its correlation with other B-cell differentiation markers. Delia D, et al. **Hematol Oncol** 1986 Jul–Sep;4(3):237–48
Motility and infiltration capacity of lymphoid tumour cells: disturbance of motile behaviour in TCLL-lymphocytes. Sundqvist KG, et al. **J Clin Lab Immunol** 1987 Jun; 23(2):71–5
Prognosis in chronic lymphocytic leukemia: a retrospective multicentric study from the GIMEMA group. Mandelli F, et al. **J Clin Oncol** 1987 Mar;5(3):398–406
Prostatic infiltration in chronic lymphatic leukaemia. Cachia PG, et al. **J Clin Pathol** 1987 Mar;40(3):342–5
Immunogold-silver technique applied to showing malignant B cell infiltration of gastrointestinal tract in patients with chronic lymphocytic leukaemia and non-Hodgkin's lymphoma. Smith G, et al. **J Clin Pathol** 1987 Jul; 40(7):756–9
Cytoskeletal organization of peripheral blood normal and leukemic lymphocytes and lymphoblasts. Schmitt-Gräff A, et al. **J Submicrosc Cytol** 1987 Apr;19(2):329–35
Aggressive squamous cell carcinoma of the skin after chronic lymphocytic leukemia. Bridges N, et al. **J Surg Oncol** 1986 Sep;33(1):27–30
Second cancers in patients with chronic lymphocytic leukemia. Davis JW, et al. **JNCI** 1987 Jan;78(1):91–4
Phenotypic, cytogenetic and molecular characterization of a new B-chronic lymphocytic leukaemia (B-CLL) cell line. Caligaris-Cappio F, et al. **Leuk Res** 1987;11(7):579–88
Prolymphocytoid transformation of CLL: a clinical and immunological study of 22 cases. Stark AN, et al. **Leuk Res** 1986;10(10):1225–32
Clonal assay of human B-cell colonies from patients with B-cell-related malignancies and systemic lupus erythematosus. Otsuka T, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Jul;49(4):950–9
Drastically increased expression of MYC and FOS protooncogenes during in vitro differentiation of chronic lymphocytic leukemia cells. Larsson LG, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):223–7
A 64-year-old man with jaundice, ascites and marked lymphocytosis [clinical conference] **S Afr Med J** 1987 Aug 15;72(4):270–4
Simultaneous occurrence of multiple myeloma and chronic lymphocytic leukaemia [letter] Taylor DA, et al. **S Afr Med J** 1987 Apr 18;71(8):540
Prognostic significance of a morphometric study of lymph node biopsies in chronic lymphocytic leukaemia. Guigui B, et al. **Scand J Haematol** 1986 Nov;37(5):371–9
Leukaemia cell markers [letter] Harrison DJ, et al. **Scand J Haematol** 1986 Sep;37(3):265–6
Induction of proliferation and differentiation of leukaemic B cells from patients with chronic lymphocytic leukaemia by anti-mu and conditioned medium. Steinberg J, et al. **Scand J Immunol** 1987 Jun;25(6):599–611
Prognostic value of "total tumor mass score" (TTM): a retrospective analysis of 130 patients with chronic lymphocytic leukemia. Molica S, et al. **Tumori** 1986 Dec 31;72(6):559–64
In vitro culture studies of granulocyte/macrophage and erythroid progenitor cells in lymphoproliferative disorders. Geissler K, et al. **Virchows Arch [B]** 1987;52(6):553–61
[A case of T-cell type chronic lymphocytic leukemia terminating in blast crisis] Ishiyama T, et al. **Rinsho Ketsueki** 1986 Nov;27(11):2148–54 (Eng. Abstr.) **(Jpn)**
[An autopsy case of T-cell chronic lymphocytic leukemia with gastric cancer] Kono H, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1899–903 (Eng. Abstr.) **(Jpn)**
[A case of T-cell chronic lymphocytic leukemia with tumor formation] Sakuma T, et al. **Rinsho Ketsueki** 1987 May; 28(5):762–7 (Eng. Abstr.) **(Jpn)**
[Morphometric characteristics of argentaffin nucleolar structures in peripheral blood lymphoid cells from patients with non-Hodgkin's lymphomas and chronic lymphoid leukemias] Pogorelov VM, et al. **Eksp Onkol** 1987;9(3):43–8 (Eng. Abstr.) **(Rus)**
[Different levels of differentiation of blood leukemia cells in patients with chronic lymphoid leukemia] Zlobina EN, et al. **Eksp Onkol** 1987;9(2):21–4 (Eng. Abstr.) **(Rus)**
[A specific lesion of the central nervous system in lymphocytic leukemia] Iavorkovskiĭ LI, et al. **Gematol Transfuziol** 1987 Mar;32(3):42–7 **(Rus)**
[The nodal and extranodal lymphoid follicular mantle: physiological considerations and relation to lymphoid neoplasms] Obeso Fernández G, et al. **Med Clin (Barc)** 1987 May 23;88(20):807–9 **(Spa)**
[Clinico-pathological features and clinical stages in chronic lymphatic leukemia. Multivariate analysis] Orfao A, et al. **Sangre (Barc)** 1986;31(5):550–8 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Reduced phagocytosis promoting activity of saliva from patients with chronic lymphocytic leukemia. Mittelman M, et al. **Biomed Pharmacother** 1986;40(8):308–11
Clinical features in large granular lymphocytic leukemia [letter] Loughran TP Jr, et al. **Blood** 1987 Jun;69(6):1786
"Spontaneous" complete remissions in chronic lymphocytic leukemia: report of three cases and review of the literature. Ribera JM, et al. **Blood Cells** 1987;12(2):471–83
Clinical signification of natural killer activity in B-cell chronic lymphocytic leukemia. Alvarez-Mon M, et al. **Eur J Haematol** 1987 Mar;38(3):268–73
Meningeal involvement as the initial symptom of B cell chronic lymphocytic leukemia. Boogerd W, et al. **Eur Neurol** 1986;25(6):461–4
Human stem cell colony-stimulating activity (CFU-GEMMCSA) in medium conditioned by leukemic B-lymphocytes. Merchav S, et al. **Exp Hematol** 1987 Feb; 15(2):115–8
Growth factor, viruses, and oncogenes in human lymphoid neoplasia. Sharma S, et al. **Lymphokine Res** 1987 Summer; 6(3):245–65 (71 ref.)
[Biological aspects of chronic lymphoid leukemia] Binet JL, et al. **C R Soc Biol (Paris)** 1986;180(5):503–11 (Eng. Abstr.) **(Fre)**
[Kinetic studies on indium-111-oxine labelled lymphocytes from patients with chronic lymphocytic leukemia] Matsuda S, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 May; 49(3):653–60 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Comparable effects of 1800- and 2400-rad (18- and 24-Gy) cranial irradiation on height and weight in children treated for acute lymphocytic leukemia. Starceski PJ, et al. **Am J Dis Child** 1987 May;141(5):550–2
An historical account of clinical investigations on chronic lymphocytic leukemia in the Medical Research Center, Brookhaven National Laboratory. Cronkite EP. **Blood Cells** 1987;12(2):285–95
A preliminary study of low-dose splenic irradiation for the treatment of chronic lymphocytic and prolymphocytic leukaemias. Singh AK, et al. **Scand J Haematol** 1986 Jul; 37(1):50–8
[Anesthesia for radiotherapy in pediatrics (letter)] Castaño J, et al. **Rev Esp Anestesiol Reanim** 1987 Mar-Apr; 34(2):159–60 **(Spa)**

SURGERY

The value of splenectomy in chronic lymphocytic leukemia. Delpero JR, et al. **Cancer** 1987 Jan 15;59(2):340–5
Splenectomy in advanced chronic lymphocytic leukemia. Ferrant A, et al. **Cancer** 1986 Nov 1;58(9):2130–5
Splenectomy during chronic lymphocytic leukemia. Pegourie B, et al. **Cancer** 1987 May 1;59(9):1626–30
Splenectomy for end-stage chronic lymphocytic leukemia. Stein RS, et al. **Cancer** 1987 May 15;59(10):1815–8

THERAPY

Splenectomy in advanced chronic lymphocytic leukaemia. Gallhofer G, et al. **Acta Haematol (Basel)** 1987;77(2):78–82
Splenic enlargement and hyperfunction as indications for splenectomy in chronic leukemia. Mentzer SJ, et al. **Ann Surg** 1987 Jan;205(1):13–7
New trends in CLL treatment. Travade P, et al. **Blood Cells** 1987;12(2):485–502 (42 ref.)
Monoclonal antibody therapy of lymphoid malignancy. Lowder JN, et al. **Cancer Surv** 1985;4(2):359–75
Leukapheresis in CLL [letter] Romagnoli M, et al. **Haematologica (Pavia)** 1987 Jan-Feb;72(1):101–2
Continuous infusion of T101 monoclonal antibody in chronic lymphocytic leukemia and cutaneous T-cell lymphoma. Dillman RO, et al. **J Biol Response Mod** 1986 Oct; 5(5):394–410
Alpha interferon treatment of low-grade B-cell non-Hodgkin's lymphomas, cutaneous T-cell lymphomas, and chronic lymphocytic leukemia. Foon KA, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 2):35–42 (43 ref.)
Alpha-interferon treatment of cutaneous T cell lymphoma and chronic lymphocytic leukemia. Foon KA, et al. **Semin Oncol** 1986 Dec;13(4 Suppl 5):35–9
[Immune cytopenias of chronic lymphoid leukemia. Ineffectiveness of high-dose intravenous gamma globulins (letter)] Desablens B, et al. **Presse Med** 1987 Aug 29–Sep 5;16(28):1379 **(Fre)**
[Effect of complex therapy, including plasmapheresis, on the clinico-immunologic status of patients with chronic lymphatic leukemia] Tretiak NN, et al. **Vrach Delo** 1987 Feb;(2):12–5 (Eng. Abstr.) **(Rus)**

VETERINARY

Quantitative studies of Fc receptors on bovine leukemic blood lymphocytes: characterization by binding of homologous IgG1 and IgG2. Dikiniene NP, et al. **Vet Immunol Immunopathol** 1986 Sep;13(1-2):111–20
[A case of nodular lymphatic leukosis in an aborted calf fetus] Waelchli RO, et al. **Schweiz Arch Tierheilkd** 1987 Mar; 129(3):157–63 (Eng. Abstr.) **(Ger)**
[Properties and specificity of action of DNA methylases from blood lymphocytes of healthy cattle and cattle with chronic lymphoid leukemia] Burtseva NN, et al. **Biokhimiia** 1987 Feb;52(2):290–302 (Eng. Abstr.) **(Rus)**
[Comparative characteristics of lymphocyte proteolytic enzymes in normal conditions and in chronic lymphoid leukemia] Gevorkian NM, et al. **Vopr Med Khim** 1986 Sep-Oct;32(5):72–6 (Eng. Abstr.) **(Rus)**

LEUKEMIA, LYMPHOCYTIC, ACUTE see **LEUKEMIA, LYMPHOBLASTIC**

LEUKEMIA, LYMPHOCYTIC, CHRONIC see **LEUKEMIA, LYMPHOCYTIC**

LEUKEMIA, MAST CELL

PATHOLOGY

Mast cell leukaemia: evidence for bone marrow origin of the pathological clone. Dalton R, et al. **Br J Haematol** 1986 Oct;64(2):397–406
Mast cell leukemia: report of a case and review of the literature. Travis WD, et al. **Mayo Clin Proc** 1986 Dec; 61(12):957–66

LEUKEMIA, MEGAKARYOBLASTIC

COMPLICATIONS

The c-sis gene expression in cells from a patient with acute megakaryoblastic leukemia and Down's syndrome. Sunami S, et al. **Blood** 1987 Aug;70(2):368–71
Osteolytic tumors in acute megakaryoblastic leukemia. Dharmasena F, et al. **Cancer** 1986 Nov 15;58(10):2273–7
Splenic rupture in acute megakaryoblastic leukemia. Wong P, et al. **Jpn J Med** 1987 May;26(2):234–6

DIAGNOSIS

[Immunocytochemical diagnosis of megakaryoblastic leukemia using secondary antibody conjugated with colloidal gold] Nakagawa KI, et al. **Rinsho Byori** 1987 Jan; 35(1):67–72 **(Jpn)**

[Acute megakaryoblastic leukemia (M7). Immunocytochemical and ultrastructural study of 2 cases] Soler J, et al. **Med Clin (Barc)** 1987 Jan 17;88(2):68–70 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Chromosomal subclonal evolution in paroxysmal nocturnal hemoglobinuria evolving into acute megakaryoblastic leukemia. Teyssier JR, et al. **Cancer Genet Cytogenet** 1987 Apr;25(2):259–64

METABOLISM

Cytochemical profile of megakaryoblastic leukaemia: a study with cytochemical methods, monoclonal antibodies, and ultrastructural cytochemistry. Pombo De Oliveira MS, et al. **J Clin Pathol** 1987 Jun;40(6):663–9

PATHOLOGY

Cell surface phenotyping of megakaryoblasts. Koike T, et al. **Blood** 1987 Mar;69(3):957–60

Megakaryoblastic transformation of chronic granulocytic leukemia. Travis WD, et al. **Cancer** 1987 Jul 15; 60(2):193–200

Acute megakaryoblastic leukaemia—an underdiagnosed entity. Bidwai–Bhattacharjee M, et al. **Indian J Cancer** 1986 Jun;23(2):75–82

Phenotypes of blasts in acute erythroblastic and megakaryoblastic leukemia—review. Breton–Gorius J. **Kelo J Med** 1987 Jan;36(1):23–45 (91 ref.)

Characteristics of megakaryocyte progenitors in megakaryoblastic leukemia. Mizoguchi H, et al. **Kelo J Med** 1987 Jan;36(1):83–5

Histopathological analysis of cases of megakaryocytic leukemia. Watanabe Y, et al. **Kelo J Med** 1987 Jan; 36(1):71–3

Chronic myeloid leukemia: manifesting as spontaneous splenic rupture and terminating in megakaryoblastic transformation. Shih LY, et al. **Med Pediatr Oncol** 1987; 15(1):31–7

Mixed megakaryoblastic and myeloblastic leukemia in patients with acute phase of chronic myelogenous leukemia. Tien HF, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Oct; 85(10):963–72

[Study of megakaryocytic leukemia with cytochemistry and electron microscopy] Yan YB, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Jan;26(1):24–6, 62 (Eng. Abstr.) **(Chi)**

[Acute megakaryoblastic leukemia in early childhood with two kinds of blasts presenting with gait disturbance] Hamano S, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2333–9 (Eng. Abstr.) **(Jpn)**

[Acute megakaryoblastic leukemia in Down's syndrome following refractory anemia with excess of blasts] Hayashi Y, et al. **Rinsho Ketsueki** 1986 Sep;27(9):1650–5 (Eng. Abstr.) **(Jpn)**

LEUKEMIA, MEGAKARYOCYTIC see **THROMBOCYTHEMIA, HEMORRHAGIC**

LEUKEMIA, MONOBLASTIC

BLOOD

Superoxide generation of leukemic cells in children. Okamura J, et al. **Am J Pediatr Hematol Oncol** 1987 Spring;9(1):11–4

Clinical significance of serum ferritin and leukocyte ferritin estimation in adult leukemias. Chen LL, et al. **Chin Med J [Engl]** 1987 Jan;100(1):63–7

[Functional criteria for the differentiation of leukemic cells. II. The fungicidal activity of the blast cells from patients with acute monoblastic leukemia] Nedialkova M, et al. **Vutr Boles** 1987;26(2):95–8 (Eng. Abstr.) **(Bul)**

CHEMICALLY INDUCED

Translocation (9;11)(p21;q23) in a child with acute monoblastic leukemia following 2 1/2 years after successful chemotherapy for neuroblastoma. Weh HJ, et al. **J Clin Oncol** 1986 Oct;4(10):1518–20

Acute nonlymphocytic leukemia after thiotepa instillation into the bladder: report of 2 cases and review of the literature. Silberberg JM, et al. **J Urol** 1987 Aug; 138(2):402–3

COMPLICATIONS

Urolithiasis in childhood acute leukemia and nonHodgkin's lymphoma. Pui CH, et al. **J Urol** 1986 Nov;136(5):1052–4

Polyarteritis nodosa and monocytic leukaemia. Leung AC, et al. **Postgrad Med J** 1986 Jan;62(723):35–7

An unusual infection in acute leukemia [letter] Sinoff CL, et al. **S Afr Med J** 1987 Aug 15;72(4):298

[Tumor lysis syndrome, DIC and interstitial pneumonia after treatment with prednisolone and melphalan in a patient with acute monocytic leukemia with tumor formation] Fukuda M, et al. **Rinsho Ketsueki** 1987 Apr;28(4):553–8 (Eng. Abstr.) **(Jpn)**

[An autopsy case of acute monocytic leukemia with pneumococcal meningitis] Miyagishima T, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2350–5 (Eng. Abstr.) **(Jpn)**

[Pulmonary mucormycosis complicating relapsed acute leukemia. A surgical cure] Berenguer Berenguer J, et al. **Med Clin (Barc)** 1986 Dec 6;87(19):805–8 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Diagnostic problem overstated [letter] Savage RA. **Am J Clin Pathol** 1987 Sep;88(3):395

Acute monocytic leukemia presenting in the eyelid. An immunohistochemical and electron microscopic study. Thall E, et al. **Ophthalmology** 1986 Dec;93(12):1628–31

Dermal monocytic sarcoma/monoblastic tumour: report of two cases of acute monocytic leukemia with initial dermal manifestations only. Miliauskas JR. **Pathology** 1986 Apr; 18(2):249–53

[Receptor expression of blast cells in acute monoblastic leukemia] Tishchenko LM, et al. **Vrach Delo** 1986 Aug; (8):47–8 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Clinical observation on the effect of an AOAP regimen in acute non–lymphatic leukemia] Zhang TD, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Oct;6(10):602–3, 581 (Eng. Abstr.) **(Chi)**

[Studies on hematological diseases in elderly patients. Part 4: Chemotherapeutic effect of aclarubicin (ACR) on acute nonlymphocytic leukemia in the aged] Yorimitsu S, et al. **Nippon Ronen Igakkai Zasshi** 1986 May;23(3):302–8 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Nonspecific esterase staining patterns in acute monocytic leukemia. Wrotnowski U, et al. **Am J Clin Pathol** 1987 Apr;87(4):515–8

Lipoprotein modulation of the intracellular localization of protein kinase C and alteration of phorbol ester–stimulated differentiation in the human monoblastic U937 cell line. Ways DK, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6049–53

ETIOLOGY

Acute transformation of essential thrombocythaemia: report of two cases. O'Hea AM, et al. **J Clin Pathol** 1986 Dec; 39(12):1296–8

Paroxysmal nocturnal hemoglobinuria: termination in acute monocytic leukemia and reappearance after chemotherapy with N4–palmitoyl–1–beta–D–arabinofuranosylcytosine (PL–AC) and vincristine. Kawano F, et al. **Jpn J Clin Oncol** 1987 Jun;17(2):123–8

FAMILIAL & GENETIC

Evidence favoring lineage fidelity in acute nonlymphocytic leukemia: absence of immunoglobulin gene rearrangements in FAB types M4 and M5. Ackland SP, et al. **Blood** 1987 Jan;69(1):87–91

Selective expression of fos proto–oncogene in human acute myelomonocytic and monocytic leukemias: a molecular marker of terminal differentiation. Mavilio F, et al. **Blood** 1987 Jan;69(1):160–4

A new specific chromosomal rearrangement, t(8;16) (p11;p13), in acute monocytic leukaemia. Heim S, et al. **Br J Haematol** 1987 Jul;66(3):323–6

Translocation t(3;5)(q24;q32) in two acute nonlymphocytic leukemias. Berger R, et al. **Cancer Genet Cytogenet** 1987 Oct;28(2):261–5

A unique 8;16 translocation in two infants with poorly differentiated monoblastic leukemia. Bernstein R, et al. **Cancer Genet Cytogenet** 1987 Feb;24(2):213–20

t(9;11)(p22;q24) in a patient with acute monocytic leukemia. Bown N, et al. **Cancer Genet Cytogenet** 1986 Oct; 23(2):179–81

Nonrandom additional chromosome changes in acute nonlymphocytic leukemia with inv(16)(p13q22). Maseki N, et al. **Cancer Genet Cytogenet** 1987 Jun;26(2):309–15

Recurrent involvement of 11q13 in acute nonlymphocytic leukemia. Sait SN, et al. **Cancer Genet Cytogenet** 1987 Jun; 26(2):351–4

Establishment of a novel acute monoblastic leukemia cell line (YK–M2) having a near–triploid karyotype. Ohno H, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6400–5

Prognostic significance of CFU–GM and karyotype study in 103 cases of untreated nonlymphocytic leukemia. Li CY, et al. **J Tongji Med Univ** 1987;7(1):48–53

11q23 involvement in a complex insertion (10; 11) in acute monocytic leukemia. Rege–Cambrin G, et al. **Leuk Res** 1986;10(9):1159–61

Interferon–inducible gene maps to a chromosomal band associated with a (4;11) translocation in acute leukemia cells. Luster AD, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):2868–71

Fragile sites at 16q22 are not at the breakpoint of the chromosomal rearrangement in AMMoL. Simmers RN, et al. **Science** 1987 Apr 3;236(4797):92–4

[Chromosome aberrations in monocytic leukemias] Iavorkovskiĭ LL, et al. **Eksp Onkol** 1987;9(1):3–8 (63 ref.) (Eng. Abstr.) **(Rus)**

METABOLISM

Establishment of three permanent human leukaemia cell lines producing immunoreactive calcitonin. Koeppler H, et al. **Br J Haematol** 1987 Apr;65(4):405–9

MORTALITY

Infant leukemia: a single pattern of nonlymphocytic leukemia? van Wering ER, et al. **Hamatol Bluttransfus** 1987;30:423

PATHOLOGY

Malignant histiocytosis and acute monocytic leukemia [letter] Avilés A. **Am J Med** 1987 Jul;83(1):198–9

Histiocytosis X and acute monocytic leukemia. Biologic illustration of the monocyte phagocytic system. Fontana J, et al. **Am J Med** 1987 Jan;82(1):137–42

cis–Retinoic acid stimulates the clonal growth of some myeloid leukemia cells in vitro. Lawrence HJ, et al. **Blood** 1987 Jan;69(1):302–7

Intracytoplasmatic and intranuclear filamentous inclusions in a case of acute monocytic leukemia. Leoncini L, et al. **Haematologica (Pavia)** 1986 Sep–Oct;71(5):431–2

Associations between morphology, karyotype, and clinical features in myeloid leukemias. Bitter MA, et al. **Hum Pathol** 1987 Mar;18(3):211–25 (175 ref.)

Lineage switch in a case of acute lymphoblastic leukemia after twenty six months of remission. Das Gupta A, et al. **Indian J Cancer** 1986 Jun;23(2):94–100

Extramedullary (skin) presentation of acute monocytic leukemia resembling cutaneous lymphoma: morphological and immunological features. Blaustein JC, et al. **J Cutan Pathol** 1987 Aug;14(4):232–7

Infiltrative polyneuropathy due to acute monoblastic leukemia in hematologic remission. Krendel DA, et al. **Neurology** 1987 Mar;37(3):474–7

Adaptation of a human monocytic leukemia cell line (THP–1) in a protein–free chemically defined medium. Tsuchiya S, et al. **Tohoku J Exp Med** 1986 Dec;150(4):455–65

[Differentiation of acute monocytic leukemia cells to polymorphonuclear like cells in cerebro–spinal fluid] Hirose M, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1950–6 (Eng. Abstr.) **(Jpn)**

[Mixed acute leukemia: T lymphoblastic and monoblastic] Guañabens C, et al. **Med Clin (Barc)** 1987 Feb 14; 88(6):247–8 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Isolated anterior chamber relapse in acute monoblastic leukemia. Hertler AA, et al. **Am J Hematol** 1986 Dec; 23(4):401–3

THERAPY

Successful treatment of disseminated Trichosporon beigelii (cutaneum) infection with associated splenic involvement. Bhansali S, et al. **Cancer** 1986 Oct 15;58(8):1630–2

Bone marrow transplantation for acute monocytic leukemia following the treatment of Hodgkin's disease. Russell JA, et al. **Med Pediatr Oncol** 1986;14(6):319–22

LEUKEMIA, MONOCYTIC

ENZYMOLOGY

Biochemical markers for Fischer rat leukemia in a cell transplant model. Dieter MP, et al. **Cancer Detect Prev** 1987;10(5–6):425–33

FAMILIAL & GENETIC

Generation of altered transcripts by retroviral insertion within the c–myb gene in two murine monocytic leukemias. Gonda TJ, et al. **J Virol** 1987 Sep;61(9):2754–63

[Chromosome aberrations in monocytic leukemias] Iavorkovskiĭ LL, et al. **Eksp Onkol** 1987;9(1):3–8 (63 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Differential surface marker expression in patients with CD–16+ lymphoproliferative disorders: in vivo model for NK differentiation. Bray RA, et al. **Hum Immunol** 1987 Jun;19(2):105–15

METABOLISM

Induction of acetylated low density lipoprotein receptor and suppression of low density lipoprotein receptor on the cells of human monocytic leukemia cell line (THP–1 cell). Hara H, et al. **Biochem Biophys Res Commun** 1987 Jul 31; 146(2):802–8

Interleukin–1 producing ability of leukaemia cells and its relationship to morphological diagnosis. Furukawa Y, et al. **Br J Haematol** 1987 Jan;65(1):11–5

Constitutive production of interleukin 1 by human monocytic leukemia cell line JOSK–I and the production mechanism. Furukawa Y, et al. **Cancer Res** 1987 May 15;47(10):2589–93

OCCURRENCE

Monocytic leukaemia—not a rarity. Rani S. **Indian J Pathol Microbiol** 1986 Oct;29(4):368–74

PATHOLOGY

Diversity of the effect of recombinant tumor necrosis factors alpha and beta on human myelogenous leukemia cell lines. Beran M, et al. **Blood** 1987 Mar;69(3):721–6

Chronic monocytic leukemia terminating in blastic

transformation. Wahlin A, et al. **Blut** 1986 Nov;53(5):405–9
Monocytic blast cell crisis and IgG–lambda monoclonal gammopathy in a Ph1 + chronic myelogenous leukemia. Report of a case. Buonanno G, et al.
Haematologica (Pavia) 1986 Nov–Dec;71(6):489–92
A factor inducing differentiation of the human monocytic cell line U–937 produced by 12–O–tetradecanoylphorbol 13–acetate–treated U–937. Kurata N, et al.
Jpn J Cancer Res 1987 Mar;78(3):219–22

PHYSIOPATHOLOGY

Interleukin–1 derived from human monocytic leukemia cell line JOSK–I acts as an autocrine growth factor. Furukawa Y, et al. **Biochem Biophys Res Commun** 1987 Aug 31; 147(1):39–46

THERAPY

Cerebral toxoplasmosis complicating bone marrow transplantation. Ackerman Z, et al. **Isr J Med Sci** 1986 Jul–Aug;22(7–8):582–6

LEUKEMIA, MONOCYTIC, ACUTE see **LEUKEMIA, MONOBLASTIC**

LEUKEMIA, MONOCYTIC, CHRONIC see **LEUKEMIA, MONOCYTIC**

LEUKEMIA, MYELOBLASTIC

Acute myeloid leukaemia developing in a patient with longstanding untreated chronic lymphocytic leukaemia. Wallis JP, et al. **Acta Haematol (Basel)** 1986;75(4):229–31
Leukemia of the nervous system. A clinical analysis of 22 cases. Wei GZ. **Chin Med J [Engl]** 1986 Feb;99(2):105–10
"Fatal Serratia marcescens infection of the neck in acute leukemia". Barrett AP. **J Oral Med** 1986 Jul–Sep; 41(3):138 40
Acute mixed–lineage leukaemia involving myeloid and T–cell phenotypes. A case report. Saragas E, et al.
S Afr Med J 1987 Apr 18;71(8):529–30

BLOOD

Serum trace elements during chemotherapy for acute myelogenous leukemia. Beguin Y, et al.
Acta Pharmacol Toxicol (Copenh) 1986;59 Suppl 7:270–3
Superoxide generation of leukemic cells in children. Okamura J, et al. **Am J Pediatr Hematol Oncol** 1987 Spring;9(1):11–4
Ascorbic acid and cancer. Lohmann W.
Ann NY Acad Sci 1987;498:402–17 (19 ref.)
The effects of three recombinant growth factors, IL–3, GM–CSF, and G–CSF, on the blast cells of acute myeloblastic leukemia maintained in short–term suspension culture. Miyauchi J, et al. **Blood** 1987 Sep;70(3):657–63
The importance of SH–containing substances for red blood cells in acute myeloic leukemia. Lohmann W, et al.
Blut 1986 Dec;53(6):437–41
Depressed fibrinolysis in patients with acute leukaemia. Guarini A, et al. **Br J Haematol** 1987 Jul;66(3):327–30
Clinical significance of serum ferritin and leukocyte ferritin estimation in adult leukemias. Chen LL, et al.
Chin Med J [Engl] 1987 Jan;100(1):63–7
Ketoconazole pharmacokinetics during chronic dosing in adults with haematological malignancy. Stockley RJ, et al. **Eur J Clin Microbiol** 1986 Oct;5(5):513–7
Increased alpha:non–alpha globin chain synthesis ratios in myelodysplastic syndromes and myeloid leukaemia. Peters RE, et al. **J Clin Pathol** 1986 Nov;39(11):1233–5
Immunocytochemistry of acute myeloid leukemias: an ultrastructural study by the immunogold method. Polli N, et al. **J Submicrosc Cytol** 1987 Jan;19(1):185–92
Cannabinoids induce incomplete maturation of cultured human leukemia cells. Murison G, et al.
Proc Natl Acad Sci USA 1987 Aug;84(15):5414–8
Myeloperoxidase deficient polymorphonuclear leucocytes: computerized planimetric estimations of cellular and nuclear size. Bendix–Hansen K. **Virchows Arch [B]** 1986; 52(4):319–25
Quantitative evaluation of leukemic mitochondria with a computer–controlled image analyzer. Iwama Y, et al.
Virchows Arch [B] 1986;51(5):375–84
[Discussion of changes in the fibronectin concentration in acute leukemia] Deng CQ, et al.
Hua Hsi I Ko Ta Hsueh Hsueh Pao 1987 Jun;18(2):188–90 (Eng. Abstr.) **(Chi)**
[Influences of aging on clinical pictures of hematological diseases: hypoplastic leukemia in the aged] Ohnoshi T, et al. **Nippon Ronen Igakkai Zasshi** 1987 Mar;24(2):128–31 (Eng. Abstr.) **(Jpn)**
[A transient change in the blood group accompanied by the decreased activity of A transferase in a case of acute myeloid leukemia] Kagawa H, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1369–75 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Acute myelocytic leukemia in a patient treated with hexamethylmelamine. Grubb BP, et al. **Am J Med Sci** 1986 Dec;292(6):393–4
A comparison of the incidence of the myelodysplastic syndrome and acute myeloid leukaemia following melphalan and cyclophosphamide treatment for myelomatosis. A report to the Medical Research Council's working party on leukaemia in adults. Cuzick J, et al.
Br J Cancer 1987 May;55(5):523–9
A case–control study of leukemia at an oil refinery. Austin H, et al. **J Occup Med** 1986 Nov;28(11):1169–73
Biological and ambient monitoring of benzene in the workplace. Goldstein BD. **J Occup Med** 1986 Oct; 28(10):1051–4
Prolonged survival in patients with treatment–related leukemia. Kingsley EC, et al. **Scand J Haematol** 1986 Aug; 37(2):103–5
[Acute non–lymphoblastic leukemia with Burkitt–type morphology in a patient with psoriatic arthropathy treated with immunosuppressors] Pérez Vila E, et al.
Med Clin (Barc) 1986 Sep 13;87(7):291–4 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

Classifying acute leukemia by immunophenotyping: a combined FAB–immunologic classification of AML. Neame PB, et al. **Blood** 1986 Dec;68(6):1355–62
Annotations concerning the correlation of the immuno–phenotypes of leukaemic cells in acute myeloid leukaemias with the FAB classification [letter] Kemnitz J, et al. **Br J Haematol** 1987 Jun;66(2):279
Ultrastructural features in 100 cases of acute myeloid leukaemia. Pearson EC. **Eur J Haematol** 1987 Apr; 38(4):345–9
Cytomorphological and cytochemical classification of acute myeloid leukaemia (AML). Maras J, et al.
Folia Haematol (Leipz) 1986;113(4):474–7
Morphological and cytochemical classification of adult acute leukemias in two multicenter studies in the Federal Republic of Germany. Löffler H, et al.
Hamatol Bluttransfus 1987;30:21–7
Immunohistochemical classification of acute leukemias using peripheral blood smears. Vago JF, et al. **Leuk Res** 1987; 11(5):475–80
Morphometrical evaluation of acute leukemic cells by electron microscopy. Discrepancy between morphological characteristics in FAB classification and electron microscopic morphometry. Ochiai F, et al.
Virchows Arch [B] 1987;52(5):403–11

COMPLICATIONS

A case of acute myelogenous leukaemia associated with eosinophilia: cytogenetic study of eosinophilic colonies showing the origin of the normal clone. Kimura H, et al.
Acta Haematol (Basel) 1987;77(1):15–9
High–voltage irradiation and hydroxyurea for pulmonary leukostasis in acute myelomonocytic leukemia. von Eyben FE, et al. **Acta Haematol (Basel)** 1987;77(3):180–2
Unusual histopathology of mucormycosis in acute myelogenous leukemia. Mamlok V, et al.
Am J Clin Pathol 1987 Jul;88(1):117–20
Isolated leukemia cutis—a case report. Haubenstock A, et al. **Am J Hematol** 1987 Apr;24(4):437–9
Sweet's syndrome and malignancy. Cohen PR, et al.
Am J Med 1987 Jun;82(6):1220–6 (63 ref.)
Candida epiglottitis in an adult with acute nonlymphocytic leukemia. Cole S, et al. **Am J Med** 1987 Mar 23;82(3 Spec No):662–4
Oral norfloxacin for prevention of gram–negative bacterial infections in patients with acute leukemia and granulocytopenia. A randomized, double–blind, placebo–controlled trial. Karp JE, et al.
Ann Intern Med 1987 Jan;106(1):1–7
Giant cell pneumonia caused by parainfluenza type 3 in a patient with acute myelomonocytic leukemia. Weintrub PS, et al. **Arch Pathol Lab Med** 1987 Jun;111(6):569–70
Simultaneous presentation of rheumatoid arthritis and acute myeloid leukaemia masquerading as Felty's syndrome [letter] Sinclair H. **Br J Rheumatol** 1986 Nov;25(4):415
Malignant histiocytosis occurring with acute myelogenous leukemia in a patient with longstanding polycythemia vera. Baer MR, et al. **Cancer** 1987 Feb 1;59(3):489–95
Survival after intestinal mucormycosis in acute myelogenous leukemia. Parra R, et al. **Cancer** 1986 Dec 15;58(12):2717–9
Infection and transfusion therapy in acute leukaemia. Ho WG, et al. **Clin Haematol** 1986 Aug;15(3):873–904 (215 ref.)
Inflammatory bowel disease and leukemia. A report of seven cases of leukemia in ulcerative colitis and Crohn's disease and review of the literature. Mir Madjlessi SH, et al.
Dig Dis Sci 1986 Oct;31(10):1025–31
Passive and active anti–hepatitis B immunization of children with hematological malignancies. Bogusławska–Jaworska J, et al. **Hamatol Bluttransfus** 1987;30:530–4
Incidence and treatment of fungal infections in neutropenic patients. von Paleske A, et al. **Hamatol Bluttransfus** 1987; 30:545–6
Acute proptosis in myeloid leukaemia. Panda A, et al.
Indian J Ophthalmol 1984 Jul–Aug;32(4):239–41
Intensive therapy for life–threatening medical complications of haematological malignancy. Lloyd–Thomas AR, et al.
Intensive Care Med 1986;12(4):317–24
Postpolycythemic myeloid metaplasia, Sweet's syndrome, and acute myeloid leukemia. Horan MP, et al.
J Am Acad Dermatol 1987 Feb;16(2 Pt 2):458–62
Ruptured inflammatory abdominal aortic aneurysm due to acute myelomonoblastic leukemia. Shifrin EG, et al.
J Cardiovasc Surg (Torino) 1987 Jan–Feb;28(1):32–4
Atypical bullous pyoderma gangrenosum associated with myeloid malignancies. Hay CR, et al. **J Clin Pathol** 1987 Apr;40(4):387–92
Systemic infection with Aureobasidium pullulans in a leukaemic patient. Kaczmarski EB, et al. **J Infect** 1986 Nov; 13(3):289–91
Patterns and significance of oral hemorrhage in acute leukemia. Barrett AP. **J Oral Med** 1986 Jul–Sep;41(3):193–6
Management of acute rectal problems in leukemic patients. Boddie AW Jr, et al. **J Surg Oncol** 1986 Sep;33(1):53–6
Streptococcus bovis bacteraemia associated with candidal lesions of the large bowel in a leukaemic child. A case report. Berkowitz FE, et al. **S Afr Med J** 1987 Aug 1; 72(3):219–20
Acute myelomonocytic leukaemia and acquired haemophilia A with severe cutaneous haemorrhage. Meek JC, et al.
Scand J Haematol 1986 Aug;37(2):168–73
Sweet's syndrome followed by acute myelomonocytic leukaemia: the need for follow–up. Vestey JP, et al.
Scott Med J 1986 Jul;31(3):184–6
Unrecognized leukemia cutis. Hainsworth JD, et al.
South Med J 1987 May;80(5):663–4
[Special examination and management of oral conditions in acute leukemia in children] Chong RQ.
Chung Hua Kou Chiang Ko Tsa Chih 1986 Jul;21(4):221–2 **(Chi)**
[Spontaneous rupture of the spleen in hematologic diseases. Apropos of 2 cases] Ricart O, et al. **Ann Chir** 1987; 41(3):191–4 (Eng. Abstr.) **(Fre)**
[Acute otitis media indicative of acute myeloblastic leukemia in children. 3 cases (letter)] Bertrand Y, et al.
Presse Med 1987 Apr 4;16(12):588 **(Fre)**
[Antimycotic prophylaxis with oral amphotericin B in patients with acute myeloid leukemia] Orlandi E, et al.
Clin Ter 1986 Sep 30;118(6):427–31 (Eng. Abstr.) **(Ita)**
[A newborn infant with Down syndrome and acute myeloid leukemia. Diagnostic difficulties between the malignant form and the myeloproliferative syndrome] Cominetti M, et al. **Pathologica** 1985 Nov–Dec;77(1052):625–30 (Eng. Abstr.) **(Ita)**
[A case of acute myelogenous leukemia complicated with multiple liver abscesses caused by Candida albicans] Izuhara K, et al. **Kansenshogaku Zasshi** 1986 Oct; 60(10):1160–4 (Eng. Abstr.) **(Jpn)**
[A case of Sweet's syndrome associated with acute myeloblastic leukemia] Asai O, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1977–82 (Eng. Abstr.) **(Jpn)**
[A case of acute promyelocytic leukemia complicated by nephrotic syndrome] Fujita N, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1383–7 (Eng. Abstr.) **(Jpn)**
[Multiple liver abscesses successfully treated by intraportal administration of amphotericin B in a case of AML (M2)] Miyawaki S, et al. **Rinsho Ketsueki** 1986 Nov; 27(11):2178–83 (Eng. Abstr.) **(Jpn)**
[A case of acute myeloblastic leukemia complicated with Candida liver abscess. A successful treatment with oral amphotericin B] Ohnishi M, et al. **Rinsho Ketsueki** 1986 Jun;27(6):925–9 (Eng. Abstr.) **(Jpn)**
[Diabetes insipidus in acute leukemia] Dolva LO, et al.
Tidsskr Nor Laegeforen 1986 Sep 30;106(27):2241–3 (Eng. Abstr.) **(Nor)**
[Central nervous system lesions in acute myeloid leukemias in children] Drozdova TS, et al. **Pediatriia** 1987;(4):88–9 **(Rus)**
[Characteristics of the diagnosis and treatment of secondary pneumonia in acute leukemia] Iakovlev VN, et al.
Ter Arkh 1987;59(6):21–7 (Eng. Abstr.) **(Rus)**
[Disorder of cerebral circulation in a patient with acute myeloblastic leukemia presenting as otogenic abscess of the brain] Iausheva AA, et al. **Vestn Otorinolaringol** 1987 May–Jun;(3):71–2 **(Rus)**
[Fever, myalgias and cutaneous lesions. Form of presentation of systemic candidiasis in granulocytopenic patients (letter)] Vázquez F, et al. **Rev Clin Esp** 1987 Mar;180(4):223–4 **(Spa)**

CONGENITAL

A new translocation t(1;4;11) in congenital acute nonlymphocytic leukemia (acute myeloblastic leukemia). Selypes A, et al. **Hum Genet** 1987 May;76(1):106–8

DIAGNOSIS

Molecular genotyping was not necessary [letter] Cantù–Rajnoldi A, et al. **Am J Clin Pathol** 1987 Jun; 87(6):788
Simultaneous evaluation of terminal deoxynucleotidyl transferase and myeloperoxidase in acute leukemias using an immunocytochemical method. Kaplan SS, et al.
Am J Clin Pathol 1987 Jun;87(6):732–8
Use of surface marker analysis to predict outcome of adult acute myeloblastic leukemia. Griffin JD, et al. **Blood** 1986 Dec;68(6):1232–41
Immunophenotyping of acute myeloid leukemia using monoclonal antibodies and the alkaline phosphatase–antialkaline phosphatase technique. Hanson CA, et al. **Blood** 1987 Jul;70(1):83–9
Pericarditis in the course of acute leukemia. Nowicka J, et al. **Folia Haematol (Leipz)** 1987;114(2):220–33
Acute leukemia with lymphoid/myeloid cell populations (hybrid leukemia). Case reports. Iacopino P, et al.
Haematologia (Budap) 1986;19(2):117–20
Acute myelogenous leukemia presenting as facial nerve palsy.

A case report. Levy R, et al.
Int J Pediatr Otorhinolaryngol 1986 Nov;12(1):49–53
Oral symptoms as a chief sign of acute monoblastic leukemia: report of case. Felix DE, et al. **J Am Dent Assoc** 1986 Dec;113(6):899–900
Recurrent acute myelomonoblastic leukaemia presenting as a red eye. Francis IC, et al. **Med J Aust** 1986 Dec 1–15; 145(11–12):632–4
Bridging the gap between acute lymphoid and acute myeloid leukaemias [editorial] Januszewicz EH. **Med J Aust** 1987 Jun 15;146(12):614–5
Specificity and diagnostic implications of the reactivity pattern of a panel of monoclonal antibodies against myeloid leukemia cells. Andreasen RB, et al. **Scand J Haematol** 1986 Oct;37(4):323–32
[Diagnostic problems of bone marrow necrosis. Apropos of a case disclosing acute leukosis] Pennaforte JL, et al.
Arch Anat Cytol Pathol 1986;34(2):111–6 (Eng. Abstr.) **(Fre)**
[Double breast and vertebral plasmacytoma. Acute myeloblastic leukemia 8 years later] Desablens B, et al. **Bull Cancer (Paris)** 1986;73(3):311–5 (Eng. Abstr.) **(Fre)**
[Value of the studies of blast cells of the blood and bone marrow using complex cytochemical, immunologic and biochemical methods in the diagnosis of the variants and subvariants of acute leukemia] Tsvetbakh AS, et al.
Gematol Transfuziol 1986 Sep;31(9):3–7 (Eng. Abstr.) **(Rus)**
[Obstructive jaundice caused by granulocytic sarcoma. An unusual presentation of an acute leukemia] Gutiérrez de Guzmán J, et al. **Rev Clin Esp** 1987 Apr;180(6):309–10 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Pulmonary complications of cytosine-arabinoside therapy: radiographic findings. Tham RT, et al. **AJR** 1987 Jul; 149(1):23–7
Anaphylactic shock due to cytarabine in a leukemic child. Berkowitz FE, et al. **Am J Dis Child** 1987 Sep; 141(9):1000–1
Epsilon-aminocaproic acid in the treatment of patients with acute promyelocytic leukemia and acquired alpha-2-plasmin inhibitor deficiency. Schwartz BS, et al. **Ann Intern Med** 1986 Dec;105(6):873–7
Low-dose cytosine arabinoside (LD-Ara C) treatment in dysmyelopoietic syndromes (DMPS) and acute myelogenous leukemia (AML). Jehn U, et al.
Anticancer Res 1987 May-Jun;7(3 Pt B):505–8
Acute myeloid leukaemia (AML). Rees JK.
Biomed Pharmacother 1987;41(4):196
Is heparin administration necessary during induction chemotherapy for patients with acute promyelocytic leukemia? Goldberg MA, et al. **Blood** 1987 Jan;69(1):187–91
High-dose cytosine arabinoside and mitoxantrone: a highly effective regimen in refractory acute myeloid leukemia. Hiddemann W, et al. **Blood** 1987 Mar;69(3):744–9
Correlation of drug-perturbed marrow cell growth kinetics and intracellular 1-B-D-arabinofuranosylcytosine metabolism with clinical response in adult acute myelogenous leukemia. Karp JE, et al. **Blood** 1987 Apr; 69(4):1134–40
Cytotoxic effects of tumour necrosis factor and gamma-interferon on acute myeloid leukaemia blasts. Price G, et al. **Br J Cancer** 1987 Mar;55(3):287–90
Comparative effects of vinca alkaloids (VCR, VDS) and epipodophyllotoxin (VP16) on murine myeloblastic leukaemia. Yamashita Y, et al. **Br J Cancer** 1987 May; 55(5):517–9
m-AMSA and VP-16 combinations in the treatment of acute myeloid leukemia [letter] Child JA, et al.
Br J Haematol 1987 Feb;65(2):245
C-reactive protein and cytosine arabinoside [letter] Dudley JM, et al. **Br J Haematol** 1987 Jun;66(2):280–1
Hypoplastic acute leukemia: cytogenic evidence for differentiation in vivo in response to low-dose ara-C [letter] Reilly IA, et al. **Br J Haematol** 1987 Mar; 65(3):384–5
Features affecting outcome during remission induction of acute myeloid leukaemia in 619 adult patients. Swirsky DM, et al. **Br J Haematol** 1986 Nov;64(3):435–53
The role of intensive remission induction and consolidation therapy in patients with acute myeloid leukaemia. Tricot G, et al. **Br J Haematol** 1987 May;66(1):37–44
Early intensification and short-term maintenance chemotherapy does not prolong survival in acute myelogenous leukemia. Kantarjian HM, et al. **Cancer** 1986 Oct 15;58(8):1603–8
Role of maintenance chemotherapy in acute promyelocytic leukemia. Kantarjian HM, et al. **Cancer** 1987 Apr 1; 59(7):1258–63
Intensive treatment of acute leukemia in adults 70 years of age and older. Walters RS, et al. **Cancer** 1987 Jul 15; 60(2):149–55
Comparative cytotoxicity of various drug combinations for human leukemic cells and normal hematopoietic precursors. Chang TT, et al. **Cancer Res** 1987 Jan 1;47(1):119–22
Control of proliferating potential of myeloid leukemia cells during long-term treatment with vitamin D3 analogues and other differentiation inducers in combination with antileukemic drugs: in vitro and in vivo studies. Kasukabe T, et al. **Cancer Res** 1987 Jan 15;47(2):567–72
Effects on leukemic clonogenic cells in murine myeloid leukemia of 1-beta-D-arabinofuranosylcytosine and the anthracyclines adriamycin, daunomycin, aclacinomycin A, and 4'-epidoxorubicin. Nara N, et al. **Cancer Res** 1987 May 1;47(9):2376–9
Elimination of leukemic cells by the combined use of ether lipids in vitro. Okamoto S, et al. **Cancer Res** 1987 May 15;47(10):2599–603
Fludarabine phosphate (NSC 312878) infusions for the treatment of acute leukemia: phase I and neuropathological study. Spriggs DR, et al. **Cancer Res** 1986 Nov; 46(11):5953–8
Hematological and biochemical action of tiazofurin (NSC 286193) in a case of refractory acute myeloid leukemia. Tricot GJ, et al. **Cancer Res** 1987 Sep 15;47(18):4988–91
Influence of daunorubicin and cytarabine sequencing on the outcome of therapy in acute myelogenous leukemia: a randomized trial. Archimbaud E, et al.
Cancer Treat Rep 1987 Jun;71(6):571–4
Phase II study of mitoxantrone and cytarabine in acute myeloid leukemia. Brito-Babapulle F, et al.
Cancer Treat Rep 1987 Feb;71(2):161–3
Phase II study of amsacrine and high-dose cytarabine for resistant acute myelogenous leukemia. Decker RW, et al. **Cancer Treat Rep** 1987 Sep;71(9):881–2
High-dose busulfan and amsacrine with autologous bone marrow rescue in patients with acute myeloid leukemia in first remission. Huijgens PC, et al. **Cancer Treat Rep** 1987 May;71(5):552–3
Continuous-infusion diaziquone in acute myeloid leukemia: a Southeastern Cancer Study Group trial. Lyman GH, et al. **Cancer Treat Rep** 1987 Mar;71(3):309–10
Low-dose ARA-C in acute leukemias. Analysis of 30 cases. Yao EG, et al. **Chin Med J [Engl]** 1986 Oct;99(10):832–4
Acute myeloid leukaemia: recent advances in therapy. Gale RP, et al. **Clin Haematol** 1986 Aug;15(3):781–810 (203 ref.)
AMSA: in vivo log cell kill for leukemic clonogenic cells versus toxicity for normal hemopoietic stem cells in a rat model for human acute myelocytic leukemia (BNML). Hagenbeek A, et al. **Eur J Cancer Clin Oncol** 1986 Oct; 22(10):1255–8
Retinoic acid-induced differentiation of the human promyelocytic leukemia cell line, HL-60, and fresh human leukemia cells in primary culture: a model for differentiation inducing therapy of leukemia. Imaizumi M, et al. **Eur J Haematol** 1987 Apr;38(4):289–302 (85 ref.)
Review of clinical and haematological response to low-dose cytosine arabinoside in acute myeloid leukaemia. Shtalrid M, et al. **Eur J Haematol** 1987 Jan;38(1):3–11
Aclarubicin in the treatment of relapsed or resistant acute myelogenous leukaemia: a phase II trial. Evensen SA, et al. **Eur J Haematol [Suppl]** 1987;47:43–7
Phase I–II study of aclarubicin for treatment of acute myeloid leukaemia. Machover D, et al. **Eur J Haematol [Suppl]** 1987;47:33–42
Aclarubicin in single agent and combined chemotherapy of acute myeloid leukaemias. Mitrou PS.
Eur J Haematol [Suppl] 1987;47:59–66
Low-dose cytosine arabinoside (Ara-C) therapy in the myelodysplastic syndromes and acute myelogenous leukemia. Maiolo AT, et al. **Haematologica (Pavia)** 1987 Jan-Feb;72(1):61–5
Acute promyelocytic leukemia: clinical aspects and results of treatment in 62 patients. Petti MC, et al.
Haematologica (Pavia) 1987 Mar-Apr;72(2):151–5
Effective remission induction in children with recurrent acute myeloid leukemia by mAMSA, Ara-C, and VP 16. Berthold F, et al. **Hamatol Bluttransfus** 1987;30:406–9
Alteration of blast phenotype after low-dose cytarabine in children with acute myeloid leukemia. Berthold F, et al. **Hamatol Bluttransfus** 1987;30:410–2
Postinduction and preremission chemotherapy alternatives for adult AML: three multicenter studies of the AML Cooperative Group. Büchner T, et al.
Hamatol Bluttransfus 1987;30:57–63
The childhood AML studies BFM-78 and -83: treatment results and risk factor analysis. Creutzig U, et al.
Hamatol Bluttransfus 1987;30:71–5
A comparison of cytokinetically based versus intensive chemotherapy for childhood acute myelogenous leukemia. Dahl GV, et al. **Hamatol Bluttransfus** 1987;30:83–7
Aclacinomycin-A in the induction treatment of childhood acute myelogenous leukemia. Fink FM, et al.
Hamatol Bluttransfus 1987;30:393–8
4-Demethoxydaunorubicin (idarubicin) in relapsed and refractory acute myeloid leukemia. Fülle HH, et al.
Hamatol Bluttransfus 1987;30:343–5
Improved treatment results in childhood acute nonlymphoblastic leukemia with the BFM-AML protocol 78 in a multicenter study in the GDR. Hermann J, et al.
Hamatol Bluttransfus 1987;30:76–82
Low-dose cytosine arabinoside in patients with acute myeloblastic leukemia and myelodysplastic syndrome. Heyll A, et al. **Hamatol Bluttransfus** 1987;30:322–5
Phase I/II trial of high-dose cytosine arabinoside and mitoxantrone in adult refractory acute myeloid leukemia. Hiddemann W, et al. **Hamatol Bluttransfus** 1987;30:336–8
Mitoxantrone and VP-16 in refractory acute myelogenous leukemia. Ho AD, et al. **Hamatol Bluttransfus** 1987; 30:339–42
Pharmacokinetics of daunorubicin as a determinant of response in acute myeloid leukemia. Kokenberg E, et al.
Hamatol Bluttransfus 1987;30:283–7
High-dose cytosine arabinoside and retinol in the treatment of acute myelogenous leukemia in childhood. Lie SO, et al. **Hamatol Bluttransfus** 1987;30:399–402
Intensive induction and consolidation chemotherapy for adults and children with acute myeloid leukaemia (AML) joint AML trial 1982–1985. Marcus RE, et al.
Hamatol Bluttransfus 1987;30:346–51
Remission induction and maintenance modalities in acute myeloid leukemia: a multicenter randomized study. Marty M, et al. **Hamatol Bluttransfus** 1987;30:50–6
Low-dose Ara-C treatment in elderly patients with acute myeloblastic leukemia. Mey U, et al.
Hamatol Bluttransfus 1987;30:326–9
Acute myelocytic leukemia in adults: a long-term analysis. Nowrousian MR, et al. **Hamatol Bluttransfus** 1987;30:373–5
Remission induction with cytarabine and daunorubicin with or without 6-thioguanine in adult patients with acute myelocytic leukemia. Nowrousian MR, et al.
Hamatol Bluttransfus 1987;30:352–5
Pharmacokinetic study of cytosine arabinoside in patients with acute myelogeneous leukemia. Preusser P, et al.
Hamatol Bluttransfus 1987;30:288–92
Therapeutic strategies in acute myelocytic leukemia: a status report of the experience of CALGB. Cancer and Leukemia Group B. Rai KR, et al. **Hamatol Bluttransfus** 1987;30:31–4
The ninth British Medical Research Council trial for the treatment of acute myeloid leukaemia. Rees JK, et al.
Hamatol Bluttransfus 1987;30:35–7
Long-term results of two Swiss AML studies. Sauter C, et al. **Hamatol Bluttransfus** 1987;30:38–44
Determination of the cellular uptake of daunorubicin in human leukemia in vivo: method of examination and first results. Scheulen ME, et al. **Hamatol Bluttransfus** 1987; 30:298–301
Acute leukaemia in the elderly, remission induction versus palliative therapy. Smith AG, et al.
Hamatol Bluttransfus 1987;30:330–2
CHOP treatment of childhood acute myelogenous leukemia with monocytic differentiation: a report on five cases. Urasiński T, et al. **Hamatol Bluttransfus** 1987;30:403–5
First experiences with a permanent catheter system in acute leukemia. Vaupel HA, et al. **Hamatol Bluttransfus** 1987; 30:547–50
Postremission induction intensive sequential chemotherapy for children with AML—treatment results and prognostic factors. Weinstein H, et al. **Hamatol Bluttransfus** 1987; 30:88–92
Cytosine arabinoside in the management of recurrent leukaemia. Ganesan TS, et al. **Hematol Oncol** 1987 Jan-Mar;5(1):65–9
Prevention of infection in acute leukemia: a prospective randomized study on the efficacy of two different drug regimens for antimicrobial prophylaxis. Kurrle E, et al.
Infection 1986 Sep-Oct;14(5):226–32
Treatment of acute myelogenous leukemia in children: results of the Italian Cooperative Study AIEOP/LAM 8204. Amadori S, et al. **J Clin Oncol** 1987 Sep;5(9):1356–63
High-dose cytosine arabinoside in the treatment of acute myelogenous leukemia: contributions to outcome of clinical and laboratory attributes. Curtis JE, et al. **J Clin Oncol** 1987 Apr;5(4):532–43
Behenoyl cytosine arabinoside, daunorubicin, 6-mercaptopurine, and prednisolone combination therapy for acute myelogenous leukemia in adults and prognostic factors related to remission duration and survival length. Ohno R, et al. **J Clin Oncol** 1986 Dec;4(12):1740–7
Acute leukemia during pregnancy: the Toronto Leukemia Study Group experience with long-term follow-up of children exposed in utero to chemotherapeutic agents. Reynoso EE, et al. **J Clin Oncol** 1987 Jul;5(7):1098–106
Effects of busulfan on the DNA of HL-60 cells as a drug sensitivity assay. Epstein J, et al.
J Med Clin Exp Theor 1986;17(1):51–6
Low dose cytosine arabinoside therapy in myelodysplastic syndrome and acute myeloid leukemia. Katayama N, et al. **Jpn J Clin Oncol** 1987 Jun;17(2):117–21
Polychemotherapy of acute myelogenous leukemia in a patient with acute intermittent porphyria. Wehmeier A, et al. **Klin Wochenschr** 1987 Apr 1;65(7):338–40
Principal results of the Medical Research Council's 8th acute myeloid leukaemia trial. Rees JK, et al. **Lancet** 1986 Nov 29;2(8518):1236–41
Day 4 bone marrow aspirate for prediction of resistance to induction chemotherapy in acute myeloid leukemia. Archimbaud E, et al. **Leuk Res** 1987;11(3):281–3
Side effects of intermediate- and high-dose cytosine arabinoside in the treatment of refractory or relapse acute leukaemia and non-Hodgkin's lymphoma. Peters WG, et al. **Neth J Med** 1987 Feb;30(1–2):64–74
Interstitial pneumonitis due to leukaemic cell necrosis. Carter JM, et al. **NZ Med J** 1986 Oct 8;99(811):754–6
A long-term prospective clinical study of oral complications during conventional chemotherapy for acute leukemia. Barrett AP. **Oral Surg Oral Med Oral Pathol** 1987 Mar; 63(3):313–6
Incomplete Reiter's syndrome following chemotherapy of acute myeloid leukaemia. Dharmasena F, et al.
Postgrad Med J 1986 Nov;62(733):1045–6
Bone-marrow regeneration after therapy-induced hypoplasia monitored by serum measurements of lactoferrin, lysozyme and myeloperoxidase. Oberg G, et al.
Scand J Haematol 1986 Aug;37(2):130–6

Therapy of acute myelogenous leukemia. Gale RP, et al. **Semin Hematol** 1987 Jan;24(1):40–54 (154 ref.)

Treatment of acute myeloid leukemia with intermediate–dose cytosine arabinoside and mitoxantrone. Brito–Babapulle F, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):51–2

Treatment of adults with acute myelogenous leukemia: prospective evaluation of high–dose cytarabine in consolidation chemotherapy and with bone marrow transplantation. Champlin R, et al. **Semin Oncol** 1987 Jun; 14(2 Suppl 1):1–6

Deoxycytidine kinase and deoxycytidine deaminase values correspond closely to clinical response to cytosine arabinoside remission induction therapy in patients with acute myelogenous leukemia. Colly LP, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):257–61

Continuous infusion high–dose cytosine arabinoside without anthracyclines as induction and intensification therapy in adults under age 50 with newly diagnosed acute myelogenous leukemia. Estey E, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):58–63

High–dose cytosine arabinoside in combination with mitoxantrone for the treatment of refractory acute myeloid and lymphoblastic leukemia. Hiddemann W, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):73–7

An in vitro model to predict clinical response in adult acute myelogenous leukemia. Karp JE, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):172–81

Pharmacologic studies of low–dose and high–dose continuous infusion cytosine arabinoside. Kufe DW, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):149–58

Conventional dose cytosine arabinoside in combination chemotherapy for acute myelogenous leukemia. Lister TA, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):53–4

Different response rates to low–dose cytosine arabinoside in acute myeloid leukemia subtypes. Lutz D, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):121–5

Influence of dose and duration of exposure on the cytotoxic effect of cytarabine toward human hematopoietic clonogenic cells. Muus P, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):238–44

In vitro biochemical tests to evaluate the response to therapy of acute leukemia with cytosine arabinoside or 5–AZA–2'–deoxycytidine. Onetto N, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):231–7

Comparison of 1 + 5 DAT and 3 + 10 DAT followed by COAP or MAZE consolidation therapy in the treatment of acute myeloid leukemia: MRC ninth AML trial. Rees JK, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):32–6

Acute promyelocytic leukemia. Kingsley EC, et al. **West J Med** 1987 Mar;146(3):322–7

[Clinical observation on the effect of an AOAP regimen in acute non–lymphatic leukemia] Zhang TD, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Oct;6(10):602–3, 581 (Eng. Abstr.) (Chi)

[Acute myeloid leukemia. Effects of treatment and prognosis] Johnsen HE, et al. **Ugeskr Laeger** 1987 Jun 8; 149(24):1598–603 (Eng. Abstr.) (Dan)

[Termination rules in therapeutic trials. Application of sequential methods in 2 clinical trials in hematology] Bénichou J, et al. **Nouv Rev Fr Hematol** 1987;29(1):87–91 (Eng. Abstr.) (Fre)

[Disseminated aspergillosis in acute leukemia probably chemically–induced] Leblond V, et al. **Nouv Rev Fr Hematol** 1986;28(6):387–93 (Eng. Abstr.) (Fre)

[Acute myeloblastic leukemias and myelodysplasias: treatment with low doses of aracytine] Pignon B, et al. **Nouv Rev Fr Hematol** 1986;28(6):345–8 (Eng. Abstr.) (Fre)

[Therapy of acute leukemia in the adult. Role of anthracyclines] Gisselbrecht C, et al. **Pathol Biol (Paris)** 1987 Jan;35(1):69–74 (Eng. Abstr.) (Fre)

[Therapeutic trials of aclarubicin in previously treated acute leukemias and hematosarcomas] Machover D, et al. **Pathol Biol (Paris)** 1987 Jan;35(1):79–86 (Eng. Abstr.) (Fre)

[The role of zorubicine in the treatment of acute myeloid leukemia. Evaluation of 15 years' use] Marty M, et al. **Pathol Biol (Paris)** 1987 Feb;35(2):133–7 (Fre)

[Therapy of malignant systemic diseases: hemoblastoses and malignant lymphomas] Schmidt CG. **Arzneimittelforschung** 1987 Feb;37(2A):279–87 (15 ref.) (Eng. Abstr.) (Ger)

[Acute leukemia and pregnancy] Abele P, et al. **Dtsch Med Wochenschr** 1986 Oct 3;111(40):1527–32 (Ger)

[Ultrahigh–dosage cytostatics—their possible use in acute leukemias?] Gassmann W, et al. **Dtsch Med Wochenschr** 1987 Jan 9;112(2):65–72 (79 ref.) (Ger)

[Full remission of acute non–lymphatic leukemia lasting for 16 months following combination therapy with aclacinomycin A] Beck JD. **Monatsschr Kinderheilkd** 1986 Aug;134(8):547–9 (Eng. Abstr.) (Ger)

[Alternatives and further development of therapy of acute myeloid leukemia in adults. Update of West German multicenter studies] Büchner T, et al. **Onkologie** 1987 Feb; 10(1):14–6 (Eng. Abstr.) (Ger)

[High dosage ARA–C in combination with mitoxantrone in therapy of acute myeloid leukemia in childhood. Initial results of the AML BFM–85 recurrence study] Ritter J, et al. **Onkologie** 1987 Feb;10(1):24–7 (Eng. Abstr.) (Ger)

[10 years' therapy of acute leukemias] Schaefer UW. **Onkologie** 1986 Oct;9 Suppl 2:30, 32–3 (Ger)

[Effectiveness and toxicity of high–dosage Ara–C. Clinical observations in 10 cases and review of the literature] Morant R, et al. **Schweiz Med Wochenschr** 1986 Oct 11; 116(41):1415–9 (Eng. Abstr.) (Ger)

[High–dose busulfan with subsequent bone marrow transplantation in poor–risk forms of leukemia] Urban C, et al. **Wien Klin Wochenschr** 1987 Mar 6;99(5):144–9 (Eng. Abstr.) (Ger)

[Studies on hematological diseases in elderly patients. Part 4: Chemotherapeutic effect of aclarubicin (ACR) on acute nonlymphocytic leukemia in the aged] Yorimitsu S, et al. **Nippon Ronen Igakkai Zasshi** 1986 May;23(3):302–8 (Eng. Abstr.) (Jpn)

[High–dose cytarabine therapy in acute myeloid leukemia] Kawamura M, et al. **Rinsho Ketsueki** 1986 Aug; 27(8):1468–75 (Eng. Abstr.) (Jpn)

["A–triple–V" in refractory or relapsed acute myelocytic leukemia] Miyawaki S, et al. **Rinsho Ketsueki** 1987 Jan; 28(1):34–9 (Eng. Abstr.) (Jpn)

[Treatment of hypoplastic leukemia—clinical effects of low–dose 4N–behenoyl–beta–D–arabinofuranosylcytosine (BH–AC) therapy] Nakada H, et al. **Rinsho Ketsueki** 1987 Apr;28(4):534–40 (Eng. Abstr.) (Jpn)

[Acute leukemia in the elderly] Brinch L, et al. **Tidsskr Nor Laegeforen** 1987 Feb 10;107(4):378–80 (Eng. Abstr.) (Nor)

[Preliminary results of the treatment of various forms of non–lymphoblastic leukemia with small doses of cytosine arabinoside] Brodzki LM, et al. **Pol Tyg Lek** 1986 Oct 27; 41(43):1376–9 (Eng. Abstr.) (Pol)

[Prodigiozan treatment of patients with acute myeloblastic leukemia] Tishchenko LM, et al. **Vrach Delo** 1987 Jan; (1):69–72 (Eng. Abstr.) (Rus)

[Diagnosis and intensive treatment of acute leukemia in pregnancy] Sierra J, et al. **Med Clin (Barc)** 1987 Jan 10; 88(1):28–31 (Eng. Abstr.) (Spa)

[Acute promyelocytic leukemia. Analysis and results of treatment with daunorubicin in 29 patients] Jarque I, et al. **Sangre (Barc)** 1986;31(4):411–24 (Eng. Abstr.) (Spa)

[Treatment of acute adult myeloblastic leukemia with intensive chemotherapy] Sayas MJ, et al. **Sangre (Barc)** 1986;31(6):718–29 (Eng. Abstr.) (Spa)

ENZYMOLOGY

N–acetyl–beta–D–glucosaminidase enzymuria in leukaemia and myelomatosis: effect of treatment in acute myeloblastic leukaemia and myelomatosis in adults. Whiting PH, et al. **Ann Clin Biochem** 1986 Nov;23 (Pt 6):676–80

Protein kinase C phosphorylates leukemia RNA polymerase II. Chuang LF, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1376–83

Regulation of protein phosphotyrosine content by changes in tyrosine kinase and protein phosphotyrosine phosphatase activities during induced granulocytic and monocytic differentiation of HL–60 leukemia cells. Frank DA, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):440–7

Tyrosine kinase and phosphotyrosine phosphatase activity in human promyelocytic leukemia cells and human polymorphonuclear leukocytes. Kraft AS, et al. **Blood** 1987 Aug;70(2):356–62

Double esterase (DE) positivity in AML cells [letter] Mastrangelo D, et al. **Br J Haematol** 1987 Jan;65(1):119

Serum lysozyme is related to leukaemic subtype in AML [letter] Stark AN, et al. **Br J Haematol** 1987 Jun; 66(2):279–80

Acquired erythroenzymopathy in a monozygotic twin with acute myeloid leukemia. Barretto OC, et al. **Braz J Med Biol Res** 1986;19(1):63–7

Elevation of adenylate cyclase activity during leukemic cell differentiation. Fontana J, et al. **Exp Cell Res** 1987 Feb; 168(2):487–93

Regulation of myeloperoxidase gene expression by the tumor promoter 12–O–tetradecanoylphorbol–13–acetate in human leukemia HL–60 cells. Kasugai I, et al. **J Biochem (Tokyo)** 1986 Aug;100(2):381–8

Activation of CMP–N–acetylneuraminic acid:lactosylceramide sialyltransferase during the differentiation of HL–60 cells induced by 12–O–tetradecanoylphorbol–13–acetate. Momoi T, et al. **J Biol Chem** 1986 Dec 5;261(34):16270–3

Inosine monophosphate dehydrogenase activity in acute leukaemia. Price GM, et al. **Leuk Res** 1987;11(6):525–8

Reversal of human myeloid leukemia cells into normal granulocytes and macrophages: activity and intracellular distribution of catalase. Kos Z, et al. **Oncology** 1987; 44(4):245–7

[Cytochemistry of neutral protease in neutrophils. Elastase localization and activity in leukemic blasts] Horský J, et al. **Cas Lek Cesk** 1987 Jan 23;126(4):119–20 (Eng. Abstr.) (Cze)

[Activity of DNA polymerase alpha in acute leukemia: comparative analysis of the catalytic unit of the enzyme based on SDS polyacrylamide electrophoresis] Lori F, et al. **Boll Soc Ital Biol Sper** 1986 Oct 30;62(10):1197–203 (Eng. Abstr.) (Ita)

ETIOLOGY

Myelodysplasia progressing to acute myeloblastic leukemia in an HTLV–III virus–positive homosexual man with AIDS–related complex. Napoli VM, et al. **Am J Clin Pathol** 1986 Dec;86(6):788–91

Myelodysplastic syndromes: their history, evolution and relation to acute myeloid leukaemia. Layton DM, et al. **Blut** 1986 Dec;53(6):423–36 (124 ref.)

Second malignancies in children treated for non–Hodgkin's lymphoma and T–cell leukaemia with the UKCCSG regimens. Ingram L, et al. **Br J Cancer** 1987 Apr; 55(4):463–6

Acute promyelocytic leukemia with an intracerebral mass and meningeal involvement after treatment of non–Hodgkin's lymphoma. Kanakura Y, et al. **Cancer** 1987 Jan 1;59(1):94–8

Cigarette smoking and leukemia. Severson RK. **Cancer** 1987 Jul 15;60(2):141–4

Leukaemia in a carpet factory: an epidemiological investigation. Cartwright RA, et al. **J Soc Occup Med** 1987 Summer;37(2):42–3

Essential thrombocythemia and leukemic transformation. Sedlacek SM, et al. **Medicine (Baltimore)** 1986 Nov; 65(6):353–64

Blastic transformation in a case of essential thrombocythemia. Chen YH, et al. **South Med J** 1987 Aug;80(8):1040–3

[Acute myeloid leukemia in chronic lymphoid leukemia treated with chlorambucil (letter)] Devilliers E, et al. **Presse Med** 1986 Oct 18;15(36):1832 (Fre)

[Acute non–lymphoblastic leukemia developing soon after small cell lung carcinoma (letter)] Franco G, et al. **Presse Med** 1987 Aug 29–Sep 5;16(28):1372 (Fre)

FAMILIAL & GENETIC

Acute myelomonocytic leukemia (AML–M4) and translocation t(6;9)(p23);q34): two additional patients with prominent myelodysplasia. Horsman DE, et al. **Am J Hematol** 1987 Sep;26(1):77–82

Molecular cloning of cDNA for human poly(ADP–ribose) polymerase and expression of its gene during HL–60 cell differentiation. Suzuki H, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):403–9

Evidence favoring lineage fidelity in acute nonlymphocytic leukemia: absence of immunoglobulin gene rearrangements in FAB types M4 and M5. Ackland SP, et al. **Blood** 1987 Jan;69(1):87–91

Mutations in N–ras predominate in acute myeloid leukemia. Bos JL, et al. **Blood** 1987 Apr;69(4):1237–41

Acute myelomonocytic leukemia with abnormal eosinophils and inv(16) or t(16;16) has a favorable prognosis. Larson RA, et al. **Blood** 1986 Dec;68(6):1242–9

Selective expression of fos proto–oncogene in human acute myelomonocytic and monocytic leukemias: a molecular marker of terminal differentiation. Mavilio F, et al. **Blood** 1987 Jan;69(1):160–4

Localization of the G–CSF gene on chromosome 17 proximal to the breakpoint in the t(15;17) in acute promyelocytic leukemia. Simmers RN, et al. **Blood** 1987 Jul;70(1):330–2

Differential pattern of oncogene and beta–actin expression in leukaemic cells from AML patients. Blomberg J, et al. **Br J Haematol** 1987 Jan;65(1):83–6

Cytological features of 9q– deletions in AML [letter] Hoyle C, et al. **Br J Haematol** 1987 Jun;66(2):277–8

Hybrid leukaemia of T cell and myeloid lineages: cytogenetic distinction from second (induced) malignancy. Simpson EM, et al. **Br J Haematol** 1987 Apr;65(4):401–3

Acute promyelocytic transformation of chronic myeloid leukaemia with an isochromosome 17q. van der Merwe T, et al. **Br J Haematol** 1986 Dec;64(4):751–6

DNA aneuploidy in adult acute leukemia. Barlogie B, et al. **Cancer Genet Cytogenet** 1987 Oct;28(2):213–28

Translocation t(3;5)(q24;q32) in two acute nonlymphocytic leukemias. Berger R, et al. **Cancer Genet Cytogenet** 1987 Oct;28(2):261–5

Characteristic patterns of chromosome abnormalities in acute myeloid leukemia with Auer rods. Billström R, et al. **Cancer Genet Cytogenet** 1987 Oct;28(2):191–9

Acute promyelocytic leukemia with t(15;17) and t(2;17;15). Bjerrum OW, et al. **Cancer Genet Cytogenet** 1987 Sep; 28(1):107–11

The occurrence of translocation (15;17) in acute promyelocytic leukemia: an update. De Braekeleer M. **Cancer Genet Cytogenet** 1986 Nov;23(3):275–7

A new translocation—t(13;21)(q14;q22.1 or 21.2)—in acute myelogenous leukemia [letter] Fonatsch C, et al. **Cancer Genet Cytogenet** 1986 Oct;23(2):163–6

Subtle abnormalities in the short arm of chromosome 11 in acute myeloid leukemia. Gibbons B, et al. **Cancer Genet Cytogenet** 1987 Oct;28(2):287–92

Acute myelomonocytic leukemia (M4) with eosinophilia: problems concerning chromosome 16 abnormality. Harth H, et al. **Cancer Genet Cytogenet** 1986 Oct;23(2):127–33

Three cases of translocation (8;16)(p11;p13) observed in acute myelomonocytic leukemia: a new specific subgroup? Laï JL, et al. **Cancer Genet Cytogenet** 1987 Jul;27(1):101–9

Hu–ets–2 is translocated to chromosome 8 in the t(8;21) in acute myelogenous leukemia. Le Beau MM, et al. **Cancer Genet Cytogenet** 1986 Nov;23(3):269–74

A case of M2 acute myeloblastic leukemia associated with an interstitial 9q deletion. Lin CC, et al. **Cancer Genet Cytogenet** 1987 Jan;24(1):177–80

Variant translocation t(15q;17q) accompanying a promyelocytic accelerated phase of Ph–positive chronic myeloid leukemia. Louwagie AC, et al. **Cancer Genet Cytogenet** 1987 Oct;28(2):349–52

Sweet's syndrome, acute leukemia, and t(3;5). McCarthy CM,

et al. **Cancer Genet Cytogenet** 1987 Sep;28(1):87–91

Nonrandom additional chromosome changes in acute nonlymphocytic leukemia with inv(16)(p13q22). Maseki N, et al. **Cancer Genet Cytogenet** 1987 Jun;26(2):309–15

XYY syndrome and acute myeloblastic leukemia. Midro AT, et al. **Cancer Genet Cytogenet** 1987 Feb;24(2):363–5

Trisomy 22—a new abnormality found in acute leukemia characterized by eosinophilia and monocytoid blasts expressing immature differentiation antigens. Najfeld V, et al. **Cancer Genet Cytogenet** 1986 Oct;23(2):105–14

Acute myelomonocytic leukemia with double minute chromosomes and a normal karyotype. Ohyashiki JH, et al. **Cancer Genet Cytogenet** 1987 Mar;25(1):1–6

Translocation between chromosomes 7 and 11 in nonlymphocytic neoplasia. Ohyashiki K, et al. **Cancer Genet Cytogenet** 1987 Jun;26(2):191–7

Inv(16) occurring in a case of acute biphenotypic leukemia lacking monocytic markers: multiple but short remissions [letter] Paietta E, et al. **Cancer Genet Cytogenet** 1987 Apr; 25(2):367–8

Isochromosome 17q in a patient with acute myeloblastic leukemia. Peetre C, et al. **Cancer Genet Cytogenet** 1987 Feb;24(2):315–8

Recurrent involvement of 11q13 in acute nonlymphocytic leukemia. Sait SN, et al. **Cancer Genet Cytogenet** 1987 Jun; 26(2):351–4

New variant translocation (1;8;21) in a case of acute myeloblastic leukemia (M2). Taguchi H, et al. **Cancer Genet Cytogenet** 1986 Nov;23(3):219–23

Karyotypic evolution in acute myelomonocytic leukemia with pericentric inversion of chromosome 16. Taniwaki M, et al. **Cancer Genet Cytogenet** 1987 Feb;24(2):257–62

In vitro toxicity and DNA cleaving capacity of benzisoquinolinedione (nafidimide; NSC 308847) in human leukemia. Andersson BS, et al. **Cancer Res** 1987 Feb 15; 47(4):1040–4

Altered regulation of c-myc in an HL-60 differentiation resistant subclone, HL-60-1E3. Ely CM, et al. **Cancer Res** 1987 Sep 1;47(17):4595–600

Inhibition of messenger RNA transcriptional activity in ML-1 human myeloblastic leukemia cell nuclei by antiserum to a c-myb-specific peptide. Ishikura H, et al. **Cancer Res** 1987 Feb 15;47(4):1052–7

Loss of a Hu-ets-1 allele in human leukemia cell lines ML-1, -2, and -3 with a chromosome change at 11q24. Ohyashiki K, et al. **Cancer Res** 1987 Jul 15;47(14):3842–6

Differing patterns of human protooncogene expression in peripheral blood and bone marrow acute leukemia cells. Preisler HD, et al. **Cancer Res** 1987 Jul 15;47(14):3747–51

Expression of the protooncogenes c-myc, c-fos, and c-fms in acute myelocytic leukemia at diagnosis and in remission. Preisler HD, et al. **Cancer Res** 1987 Feb 1;47(3):874–80

DNA-mediated transfer and cloning of a human multidrug-resistant gene of adriamycin-resistant myelogenous leukemia K562. Sugimoto Y, et al. **Cancer Res** 1987 May 15;47(10):2620–5

Lineage heterogeneity in acute leukaemia: acute mixed-lineage leukaemia and lineage switch. Stass SA, et al. **Clin Haematol** 1986 Aug;15(3):811–27 (92 ref.)

Prognostic significance of chromosomal abnormalities in acute leukaemias and myelodysplastic syndromes. Yunis JJ, et al. **Clin Haematol** 1986 Aug;15(3):597–620 (87 ref.)

Immunological phenotype of the microgranular variant of acute promyelocytic leukaemia. San Miguel JF, et al. **Haematologia (Budap)** 1987;20(1):49–50

Cytogenetic studies using Q-band polymorphisms in patients with AML receiving marrow from like-sex donors. Khokhar MT, et al. **Hum Genet** 1987 Jun;76(2):176–80

Constitutive expression of the granulocyte-macrophage colony-stimulating factor gene in acute myeloblastic leukemia. Young DC, et al. **J Clin Invest** 1987 Jan; 79(1):100–6

Translocation t(9;11)(p21;q23) with acute myelomonocytic leukemia after chemotherapy for osteosarcoma: good response to antileukemic drugs [letter] Fenaux P, et al. **J Clin Oncol** 1987 Aug;5(8):1304–5

Rearrangements of immunoglobulin and T cell receptor beta and gamma genes are associated with terminal deoxynucleotidyl transferase expression in acute myeloid leukemia. Foa R, et al. **J Exp Med** 1987 Mar 1; 165(3):879–90

A dysfunctional Mo1 glycoprotein is present on a subline of the KG1 acute myelogenous leukemia cell line. Dana N, et al. **J Immunol** 1987 May 15;138(10):3549–54

Prognostic significance of CFU-GM and karyotype study in 103 cases of untreated nonlymphocytic leukemia. Li CY, et al. **J Tongji Med Univ** 1987;7(1):48–53

Human c-erbB-2 remains on chromosome 17 in band q21 in the 15;17 translocation associated with acute promyelocytic leukemia. Kaneko Y, et al. **Jpn J Cancer Res** 1987 Jan;78(1):16–9

A two-step t(4;der(15)) t(15;17) complex translocation in an acute promyelocytic leukaemia and review of the literature. Huret JL, et al. **Leuk Res** 1987;11(8):761–5 (14 ref.)

Toward a clinically relevant cytogenetic classification of acute myelogenous leukemia. Keating MJ, et al. **Leuk Res** 1987;11(2):119–33

Differential patterns of expression of cell cycle-related genes in blast cells of acute myeloid leukemia. Torelli U, et al. **Leuk Res** 1986;10(10):1249–54

Immunoglobulin heavy chain and T-cell receptor gamma and beta chain gene rearrangements in acute myeloid leukemias. Boehm TL, et al. **Mol Biol Med** 1987 Feb; 4(1):51–62

Frequent c-fms activation by proviral insertion in mouse myeloblastic leukaemias. Gisselbrecht S, et al. **Nature** 1987 Sep 17-23;329(6136):259–61

Central nervous system complications of a newly recognized subtype of leukemia: AMML with a pericentric inversion of chromosome 16. Glass JP, et al. **Neurology** 1987 Apr; 37(4):639–44

Inversion of chromosome 16 with abnormal marrow eosinophils in acute myelomonocytic leukemia: a case report of a 9-month-old infant. Ohga S, et al. **Nippon Ketsueki Gakkai Zasshi** 1987 Feb;50(1):114–8

Concurrent mutations in two different ras genes in acute myelocytic leukemias. Janssen JW, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5669–80

The interleukin 3 gene is located on human chromosome 5 and is deleted in myeloid leukemias with a deletion of 5q. Le Beau MM, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5913–7

Fragile sites at 16q22 are not at the breakpoint of the chromosomal rearrangement in AMMoL. Simmers RN, et al. **Science** 1987 Apr 3;236(4797):92–4

Proto-oncogene expression in HL-60 cells exposed to ara-C. Sato H, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):192–201

Inversion of chromosome 16 in acute myelomonocytic leukemia with abnormal eosinophils. Tien HF, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 May;86(5):484–9

[Acute myelomonocytic leukemia with bone marrow hypereosinophilia and chromosome 16 inversion. Primary or secondary chromosomal abnormalities? [letter]] Jonveaux P, et al. **Presse Med** 1986 Nov 15;15(40):2022 **(Fre)**

[Detection of aberrations in the karyotype of children with acute leukemia: a comparative analysis of cytogenetics and flow cytophotometry] Hiddemann W, et al. **Klin Padiatr** 1987 May-Jun;199(3):161–4 (Eng. Abstr.) **(Ger)**

[Acute myelogenous leukemia with only a 5q-chromosome abnormality] Maekawa T, et al. **Gan No Rinsho** 1986 Oct; 32(12):1625–9 (Eng. Abstr.) **(Jpn)**

[A childhood case of acute myelomonocytic leukemia with bone marrow eosinophilia associated with pericentric inversion 16] Ishimoto K, et al. **Rinsho Ketsueki** 1986 Aug; 27(8):1388–93 (Eng. Abstr.) **(Jpn)**

[Double minute chromosomes in a patient with acute myeloblastic leukemia (M2:FAB classification)] Miura I, et al. **Rinsho Ketsueki** 1987 Apr;28(4):634–40 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Cytotoxicity of lymphocytes and antibodies against autologous tumor cells in patients with myeloid leukaemias and preleukaemic disorders. III. Stage-dependence of oncovirus-specific immune response. Szabó B, et al. **Acta Microbiol Hung** 1986;33(2):103–10

Distribution of immunoglobulin containing cells in human bone marrow of patients with leukemia. Suzuki K, et al. **Acta Pathol Jpn** 1987 Feb;37(2):193–9

Discrepancies between morphologic, cytochemical, and immunologic characteristics in acute myeloblastic leukemia. del Canizo MC, et al. **Am J Clin Pathol** 1987 Jul;88(1):38–42

Tonsillar mapping of determinants found on normal lymphoreticular (T,B,K, immature and macrophage) and myeloblastic leukemia cells. McMillan EM, et al. **Am J Pathol** 1987 Mar;126(3):452–63

Disseminated hyalohyphomycosis in a leukemic patient. Matsuda T, et al. **Arch Dermatol** 1986 Oct;122(10):1171–5

Antigenic phenotype of the myeloid leukaemic cells defined by monoclonal antibodies. Robak T, et al. **Arch Immunol Ther Exp (Warsz)** 1987;35(1):33–42

Certain myeloid cells possess receptors for interleukin-2. Armitage RJ, et al. **Br J Haematol** 1986 Dec;64(4):799–807

Monocytic differentiation in acute myeloid leukaemia: a cause of Fc binding of monoclonal antibodies. Lawlor E, et al. **Br J Haematol** 1986 Oct;64(2):339–46

Antigenic determinants on myeloid leukaemia colony-forming cells resemble those of normal myeloid progenitor cells and differ from those of circulating blast cells. Robak T, et al. **Br J Haematol** 1986 Sep;64(1):133–48

Correlation of surface marker expression with morphologically and immunologically defined subclasses of acute myeloid leukaemias. Drexler HG, et al. **Clin Exp Immunol** 1986 Aug;65(2):363–72

Interleukin-2 corrects defective NK activity of patients with leukemia. Lotzová E, et al. **Comp Immunol Microbiol Infect Dis** 1986;9(2-3):169–75

Surface marker analysis by monoclonal antibodies: a valuable technique in childhood acute myeloid leukemia. Ludwig WD, et al. **Hamatol Bluttransfus** 1987;30:418–22

Abnormal marker expression in acute leukemia (AL) characterized by monoclonal antibodies and flow cytometry. Ludwig WD, et al. **Hamatol Bluttransfus** 1987; 30:265–70

Immunological monitoring in remission acute myeloid leukemia during maintenance therapy. Pielken HJ, et al. **Hamatol Bluttransfus** 1987;30:385–6

Specificity of a mouse monoclonal antibody raised against acute myeloid leukaemia cells for mast cells in human mucosal and connective tissues. Mayrhofer G, et al. **Immunol Cell Biol** 1987 Jun;65 (Pt 3):241–50

Treatment of acute myeloid leukemia cells in vitro with a monoclonal antibody recognizing a myeloid differentiation antigen allows normal progenitor cells to be expressed. Bernstein ID, et al. **J Clin Invest** 1987 Apr;79(4):1153–9

High frequency of clonal immunoglobulin or T cell receptor gene rearrangements in acute myelogenous leukemia expressing terminal deoxyribonucleotidyltransferase. Seremetis SV, et al. **J Exp Med** 1987 Jun 1;165(6):1703–12

Immunoperoxidase detection of myeloid antigens in glycolmethacrylate-embedded human bone marrow. Archimbaud E, et al. **J Histochem Cytochem** 1987 May; 35(5):595–9

Expression of immunoglobulin lambda light chain by the promyelocytic cell line HL-60. Stavnezer J, et al. **J Immunol** 1986 Dec 15;137(12):3978–82

Different molecular forms of a glycoprotein antigen found on azurophilic granule membranes of cultured human HL60 promyelocytes and on the plasma membrane of a myeloblastoid variant line. Peyman JA, et al. **Leuk Res** 1987;11(4):385–96

Primary infection with HIV in a severely immunosuppressed patient with acute leukemia. Ruutu P, et al. **Scand J Infect Dis** 1987;19(3):369–72

[A case of acute m;elogenous leukemia with E-rosette-forming myeloblasts] Hirata J, et al. **Rinsho Ketsueki** 1986 Jun;27(6):930–5 (Eng. Abstr.) **(Jpn)**

[Antibody-dependent cytotoxicity of lymphocytes in acute myeloblastic leukemia and chronic myelocytic leukemia] Tishchenko LM, et al. **Eksp Onkol** 1987;9(2):66–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Imbalance in nucleotide pools of myeloid leukemia cells and HL-60 cells: correlation with cell cycle phase, cell proliferation and differentiation. de Korte D, et al. **Adv Exp Med Biol** 1986;195 Pt B:437–41

Myeloid differentiated HL-60 cells display specific leukotriene B4 binding sites. Gorman RR, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1986; 16:165–77

Changes in the patterns of protein phosphorylation associated with granulocytic and monocytic-induced differentiation of HL-60 cells. Faille A, et al. **Anticancer Res** 1986 Sep-Oct;6(5):1053–63

Changes in superoxide dismutase, catalase, and the glutathione cycle during induced myeloid differentiation. Speier C, et al. **Arch Biochem Biophys** 1986 Dec; 251(2):551–7

Chemotactic peptide, calcium and guanine nucleotide regulation of phospholipase C activity in membranes from DMSO-differentiated HL60 cells. Anthes JC, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):825–33

Comparative effects of polymyxin B, phorbol ester and bryostatin on protein phosphorylation, protein kinase C translocation, phospholipid metabolism and differentiation of HL60 cells. Kiss Z, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):208–15

Specific binding of phorbol esters to nuclei of human promyelocytic leukemia cells. Kraft AS, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):393–401

Autocrine secretion of GM-CSF in acute myeloblastic leukemia. Young DC, et al. **Blood** 1986 Nov;68(5):1178–81

Establishment of three permanent human leukaemia cell lines producing immunoreactive calcitonin. Koeppler H, et al. **Br J Haematol** 1987 Apr;65(4):405–9

25-Hydroxyvitamin D3 metabolism in a human leukemia cell line. Bar-Shavit Z, et al. **Calcif Tissue Int** 1986 Nov; 39(5):328–33

Uptake of gallium-67 by human leukemic cells: demonstration of transferrin receptor-dependent and transferrin-independent mechanisms. Chitambar CR, et al. **Cancer Res** 1987 Aug 1;47(15):3929–34

Imbalance in the nucleotide pools of myeloid leukemia cells and HL-60 cells: correlation with cell-cycle phase, proliferation, differentiation, and transformation. de Korte D, et al. **Cancer Res** 1987 Apr 1;47(7):1841–7

Degradation of 1-beta-D-arabinofuranosylcytosine 5'-triphosphate in human leukemic myeloblasts and lymphoblasts. Jamieson GP, et al. **Cancer Res** 1987 Jun 15;47(12):3130–5

Differential effects of various protein kinase C activators on protein phosphorylation in human acute myeloblastic leukemia cell line KG-1 and its phorbol ester-resistant subline KG-1a. Kiss Z, et al. **Cancer Res** 1987 Mar 1; 47(5):1302–7

Gangliosides in acute myeloid leukaemia (AML) and non-Hodgkin's lymphoma (NHL). Anh-Tuan N, et al. **Eur J Cancer Clin Oncol** 1986 Aug;22(8):1003–7

Abnormal production and release of ferritin by immature myeloid cells in leukemia. Aulbert E, et al. **Hamatol Bluttransfus** 1987;30:256–60

Characterization of the Na+/H+ exchanger during maturation of HL-60 cells induced by dimethyl sulfoxide. Costa-Casnellie MR, et al. **J Biol Chem** 1987 Jul 5; 262(19):9093–7

The role of cytosolic free calcium in the generation of inositol 1,4,5-trisphosphate and inositol 1,3,4-trisphosphate in HL-60 cells. Differential effects of chemotactic peptide receptor stimulation at distinct Ca2+ levels. Lew PD, et al. **J Biol Chem** 1986 Oct 5;261(28):13121–7

Effects of different transferrin forms on transferrin receptor

expression, iron uptake, and cellular proliferation of human leukemic HL60 cells. Mechanisms responsible for the specific cytotoxicity of transferrin-gallium. Chitambar CR, et al. **J Clin Invest** 1986 Dec;78(6):1538–46

Rapid transcriptional down-regulation of c-myc expression during cyclic adenosine monophosphate-promoted differentiation of leukemic cells. Slungaard A, et al. **J Clin Invest** 1987 May;79(5):1542–7

Chemotactic factor binding and functional capacity: a comparison between human granulocytes and differentiated HL–60 cells. Dahlgren C, et al. **J Leukocyte Biol** 1987 Sep; 42(3):245–52

Differentiation-associated changes in in-vitro mRNA translation in the HL60 cell line. Reyland ME, et al. **Leuk Res** 1986;10(10):1183–91

DNA repair in human promyelocytic cell line, HL–60. Farzaneh F, et al. **Nucleic Acids Res** 1987 Apr 24; 15(8):3503–13

Transient formation of DNA strand breaks during the induced differentiation of a human promyelocytic leukaemic cell line, HL–60. Farzaneh F, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3493–502

Prognostic value of in vitro uptake and retention of cytosine arabinoside in acute myelogenous leukemia. Zittoun R, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):269–75

Induction of differentiation in human myeloid leukemic cells by T-2 toxin and other trichothecenes. Samara A, et al. **Toxicol Appl Pharmacol** 1987 Jul;89(3):418–28

A short-term chemosensitivity test with different labeled precursors of DNA or protein synthesis: correlation with clinical response. Viano I, et al. **Tumori** 1986 Aug 31; 72(4):357–63

[Augmented production of interleukin 2 in a child with acute myelomonocytic leukemia having interleukin-1-producing leukemia cells: Its transient occurrence during an early stage of the hematological relapse] Hirabayashi S, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 May;49(3):670–5 (Eng. Abstr.) **(Jpn)**

[Chemiluminescence by acute leukemia cells] Nakamura K, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 May; 49(3):647–52 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

fim-1 and fim-2: two new integration regions of Friend murine leukemia virus in myeloblastic leukemias. Sola B, et al. **J Virol** 1986 Nov;60(2):718–25

MORTALITY

Prognostic factors in acute myelogenous leukemia. Cevreska L, et al. **Hamatol Bluttransfus** 1987;30:376–9

The problem of early death in childhood AML. Creutzig U, et al. **Hamatol Bluttransfus** 1987;30:524–9

Analysis of prognostic factors in acute leukemias in adults. Krykowski E, et al. **Hamatol Bluttransfus** 1987;30:369–72

Prognostic factors in childhood acute myelogenous leukemia. Grier HE, et al. **J Clin Oncol** 1987 Jul;5(7):1026–32

[Long-term survival in an elderly patient with acute myeloblastic leukemia] Okamoto Y, et al. **Gan No Rinsho** 1987 Jun;33(6):698–702 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Acute promyelocytic leukemia. A childhood cluster. Gilbert RD, et al. **Cancer** 1987 Mar 1;59(5):933–5

PATHOLOGY

Serial studies of bone marrow-derived fibroblastoid colony-forming cells and granulocyte/macrophage precursor cells in patients with acute leukemia. Katsuno M, et al. **Acta Haematol (Basel)** 1986;76(4):185–91

T-cell acute lymphoblastic leukemia relapsing as acute myelomonocytic leukemia and terminating possibly as chronic myelocytic leukemia. Shimizu J, et al. **Am J Hematol** 1987 Feb;24(2):199–205

Focal leukemia around a Raaf catheter as the initial site of relapse [letter] Powell BL, et al. **Am J Med** 1986 Nov; 81(5):945

Clonogenic assay combined with flow cytometric cell sorting for cell-cycle analysis of human leukemic colony-forming cells. Park CH, et al. **Anticancer Res** 1987 Jan-Feb; 7(1):129–32

Effect of two inducers of cellular differentiation on the glutathione status of human HL–60 promyelocytic leukaemia and A549 lung carcinoma cells. Lazenby CM, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2869–71

The molecular biology of differentiation and proliferation using human myelogenous leukemia cells. Miller C, et al. **Bioessays** 1986 Jul;5(1):18–21

Human recombinant multilineage colony stimulating factor (interleukin-3): stimulator of acute myelocytic leukemia progenitor cells in vitro. Delwel R, et al. **Blood** 1987 Jul; 70(1):333–6

Divergent molecular phenotypes of KG1 and KG1a myeloid cell lines. Furley AJ, et al. **Blood** 1986 Nov;68(5):1101–7

Clonogenic cells in acute myeloblastic leukemia. Griffin JD, et al. **Blood** 1986 Dec;68(6):1185–95 (118 ref.)

Synergism between recombinant growth factors, GM-CSF and G-CSF, acting on the blast cells of acute myeloblastic leukemia [published erratum appears in Blood 1987 Jul;70(1):339] Kelleher C, et al. **Blood** 1987 May; 69(5):1498–503

Inosine monophosphate dehydrogenase and myeloid cell maturation. Knight RD, et al. **Blood** 1987 Feb;69(2):634–9

cis-Retinoic acid stimulates the clonal growth of some myeloid leukemia cells in vitro. Lawrence HJ, et al. **Blood** 1987 Jan;69(1):302–7

Actin polymerization and its relationship to locomotion and chemokinetic response in maturing human promyelocytic leukemia cells. Meyer WH, et al. **Blood** 1987 Aug; 70(2):363–7

In vitro action of tumor necrosis factor on myeloid leukemia cells. Munker R, et al. **Blood** 1987 Apr;69(4):1102–8

Purging leukemic cells from simulated human remission marrow with alkyl-lysophospholipid. Okamoto S, et al. **Blood** 1987 May;69(5):1381–7

Expression of the c-raf protooncogene in human hematopoietic cells and cell lines. Sariban E, et al. **Blood** 1987 May;69(5):1437–40

Recombinant human tumor necrosis factor alpha regulates c-myc expression in HL–60 cells at the level of transcription. Tobler A, et al. **Blood** 1987 Jul;70(1):200–5

Retinoic acid cooperates with tumor necrosis factor and immune interferon in inducing differentiation and growth inhibition of the human promyelocytic leukemic cell line HL–60. Trinchieri G, et al. **Blood** 1987 Apr;69(4):1218–24

The effects of GM-CSF and G-CSF in promoting growth of clonogenic cells in acute myeloblastic leukemia. Vellenga E, et al. **Blood** 1987 Jun;69(6):1771–6

Sensitivity to 5-azacytidine of blast progenitors in acute myeloblastic leukemia. Wang C, et al. **Blood** 1987 Feb; 69(2):553–9

A role for guanine ribonucleotides in the regulation of myeloid cell maturation. Wright DG. **Blood** 1987 Jan; 69(1):334–7

Effects of recombinant human granulocyte colony-stimulating factor (G-CSF) on blast progenitors from acute myeloblastic leukaemia patients. Nara N, et al. **Br J Cancer** 1987 Jul;56(1):49–51

Variable differentiation patterns of acute myelogenous leukaemia blasts in liquid suspension cultures. Baer MR, et al. **Br J Haematol** 1987 Jun;66(2):179–85

Induction of colony-stimulating factor response in myeloid leukaemia cell lines. Rhyner K, et al. **Br J Haematol** 1986 Nov;64(3):601–12

Surface marker analysis in acute myeloid leukaemia and correlation with FAB classification. San Miguel JF, et al. **Br J Haematol** 1986 Nov;64(3):547–60

An autopsy study of 1206 acute and chronic leukemias (1958 to 1982). Barcos M, et al. **Cancer** 1987 Aug 15;60(4):827–37

Effects of nicotine on cellular proliferation, cell cycle phase distribution, and macromolecular synthesis in human promyelocytic HL–60 leukemia cells. Konno S, et al. **Cancer Lett** 1986 Oct;33(1):91–7

Development and characterization of a human myelogenous leukemia cell line resistant to 4'-(9-acridinylamino)-3-methanesulfon-m-anisidide. Beran M, et al. **Cancer Res** 1987 Apr 1;47(7):1897–904

Effects of calcitriol on nuclear transcription during human HL–60 promyelocytic leukemia cell differentiation. Bresnick EH, et al. **Cancer Res** 1986 Oct;46(10):4979–83

Rapid growth of human cancer cells in a mouse model with fibrin clot subrenal capsule assay. Fingert HJ, et al. **Cancer Res** 1987 Jul 15;47(14):3824–9

Mechanism of interaction between antineoplastic agents and natural differentiation factors in the induction of human leukemic cell maturation. Honma Y, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6311–5

Retinoic acid-induced monocytic differentiation of HL60/MRI, a cell line derived from a transplantable HL60 tumor. Imaizumi M, et al. **Cancer Res** 1987 Mar 1; 47(5):1434–40

Use of high resolution in vivo volume selected 1H-magnetic resonance spectroscopy to investigate leukemia in humans. Irving MG, et al. **Cancer Res** 1987 Jul 15;47(14):3901–6

Correlation between the molecular weight and potency of polar compounds which induce the differentiation of HL–60 human promyelocytic leukemia cells. Langdon SP, et al. **Cancer Res** 1987 Jan 1;47(1):140–4

HL-60-1E3, a novel phorbol diester-resistant HL–60 cell line. Leftwich JA, et al. **Cancer Res** 1987 Mar 1; 47(5):1319–24

Role of intracellular calcium ion in human promyelocytic leukemia HL–60 cell differentiation. Okazaki T, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6059–63

Growth inhibition and augmentation of mouse myeloid leukemic cell line differentiation by interleukin 1. Onozaki K, et al. **Cancer Res** 1987 May 1;47(9):2397–402

Cytochemistry and ultrastructural morphometry of cultured HL60 myeloid leukemia cells. Parmley RT, et al. **Cancer Res** 1987 Sep 15;47(18):4932–40

Inhibition of growth but not differentiation of normal and leukemic myeloid cells by methylthioadenosine. Riscoe MK, et al. **Cancer Res** 1987 Jul 15;47(14):3830–4

Induction of differentiation of human myeloid cell lines by tumor necrosis factor in cooperation with 1 alpha,25-dihydroxyvitamin D3. Trinchieri G, et al. **Cancer Res** 1987 May 1;47(9):2236–42

Two mechanisms of synergism when amphotericin B is used in combination with actinomycin D or 1-(2-chloroethyl)-3-cyclohexyl-1-nitrosourea against the human promyelocytic leukemia cell line HL–60. Vertut-Croquin A, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6054–8

Control of HL–60 cell differentiation lineage specificity, a late event occurring after precommitment. Yen A, et al. **Cancer Res** 1987 Jan 1;47(1):129–34

Modulation of thiopurine cytotoxicity in the HL–60 cell line by physiological concentrations of hypoxanthine. Zimm S, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6286–9

Differentiation of myeloid cells in liquid culture: 2. Acute myelocytic leukemia cells. Archimbaud E, et al. **Cell Biochem Funct** 1987 Jul;5(3):157–66

Cellular and molecular events underlying the proliferative arrest associated with the leukemic phenotype in myeloid blast cells. Torelli U. **Cell Biol Int Rep** 1987 Jun; 11(6):429–37 (34 ref.)

Biology of acute myeloid leukaemia. Messner HA, et al. **Clin Haematol** 1986 Aug;15(3):641–67 (163 ref.)

1,25-Dihydroxyvitamin D3 and phorbol esters (TPA) may induce select in vitro differentiation pathways in the HL60 promyelocytic cell line. Rossi P, et al. **Clin Immunol Immunopathol** 1987 Sep;44(3):308–16

Diagnostic and prognostic significance of serum measurements of lactoferrin, lysozyme and myeloperoxidase in acute myeloid leukemia (AML): recognition of a new variant, high-lactoferrin AML. Oberg G, et al. **Eur J Haematol** 1987 Feb;38(2):148–55

Gamma interferon and 1,25 dihydroxyvitamin D3 cooperate in the induction of monocytoid differentiation but not in the functional activation of the HL–60 promyelocytic leukemia cell line. Ball ED, et al. **Exp Hematol** 1986 Dec; 14(11):998–1005

Staging of leukemic progenitor cells in acute myeloid leukemia by phenotyping with myeloid monoclonal antibodies. Hast R, et al. **Exp Hematol** 1986 Nov; 14(10):981–7

Patterns of acute myeloid leukemia colony growth in response to recombinant granulocyte-macrophage colony-stimulating factor (rGM-CSF). Vellenga E, et al. **Exp Hematol** 1987 Jul;15(6):652–6

12-O-tetradecanoyl phorbol 13-acetate stimulates the myristylation of an approximately 82 kDa protein in HL–60 cells. Malvoisin E, et al. **FEBS Lett** 1987 May 4; 215(1):175–8

Contribution of clonogenic leukemic cell characteristics to therapy outcome in patients with acute myeloblastic leukemia. Aul C, et al. **Hamatol Bluttransfus** 1987;30:356–60

On the fate of leukemic cells infused with the autologous marrow graft. Hagenbeek A, et al. **Hamatol Bluttransfus** 1987;30:553–9

Cytoskeletal organization in acute leukemias. Schmitt-Gräff A, et al. **Hamatol Bluttransfus** 1987;30:302–7

Prediction of induction and duration of complete remission in acute myelogenous leukemia: value of clonogenic cell properties. Zittoun R, et al. **Hamatol Bluttransfus** 1987; 30:45–9

Reliability and consistency of bone marrow assessments of complete remission in acute myelogenous leukaemia. Birkhead BG, et al. **Hematol Oncol** 1987 Apr-Jun; 5(2):139–45

Associations between morphology, karyotype, and clinical features in myeloid leukemias. Bitter MA, et al. **Hum Pathol** 1987 Mar;18(3):211–25 (175 ref.)

Purified colony stimulating factors (G-CSF and GM-CSF) induce differentiation in human HL60 leukemic cells with suppression of clonogenicity. Begley CG, et al. **Int J Cancer** 1987 Jan 15;39(1):99–105

Painful, nonhealing, tooth extraction socket. Kanas RJ, et al. **J Am Dent Assoc** 1986 Sep;113(3):441–2

Identification and characterization of the nonphosphorylated precursor of pp17, a phosphoprotein associated with phorbol ester induction of growth arrest and monocytic differentiation in HL–60 promyelocytic leukemia cells. Braverman R, et al. **J Biol Chem** 1986 Oct 25; 261(30):14342–8

Disparate effects of activators of protein kinase C on HL–60 promyelocytic leukemia cell differentiation. Morin MJ, et al. **J Biol Chem** 1987 Aug 25;262(24):11758–63

Thrombin chemotactic stimulation of HL–60 cells: studies on thrombin responsiveness as a function of differentiation. Bar-Shavit R, et al. **J Cell Physiol** 1987 May;131(2):255–61

The role of benzodiazepine receptors in the induction of differentiation of HL–60 leukemia cells by benzodiazepines and purines. Ishiguro K, et al. **J Cell Physiol** 1987 May; 131(2):226–34

Magnesium deprivation inhibits the expression of differentiation-related phenotypes in human promyelocytic leukemia HL–60 cells. Okazaki T, et al. **J Cell Physiol** 1987 Apr;131(1):50–7

Progressive necrotizing myelopathy associated with leukemia: clinical, pathologic, and MRI correlation. Gieron MA, et al. **J Child Neurol** 1987 Jan;2(1):44–9

Acute myeloblastic leukemia in paroxysmal nocturnal hemoglobinuria. Evidence of evolution from the abnormal paroxysmal nocturnal hemoglobinuria clone. Devine DV, et al. **J Clin Invest** 1987 Jan;79(1):314–7

Effects of recombinant tumor necrosis factor on proliferation and differentiation of leukemic and normal hemopoietic cells in vitro. Relationship to cell surface receptor. Peetre C, et al. **J Clin Invest** 1986 Dec;78(6):1694–700

Tumor necrosis factor and lymphotoxin induce differentiation of human myeloid cell lines in synergy with immune interferon. Trinchieri G, et al. **J Exp Med** 1986 Oct 1; 164(4):1206–25

Lymphotoxin: induction of terminal differentiation of the human myeloid leukemia cell lines HL-60 and THP-1. Hemmi H, et al. **J Immunol** 1987 Feb 1;138(3):664-6

Regulation of HLA class II antigen expression: intracellular signaling molecules responsible for the regulation by IFN-gamma and cross-linking of Fc receptors in HL-60 cells. Ina Y, et al. **J Immunol** 1987 Sep 1;139(5):1711-7

Biochemical and morphological characterization of basophilic leukocytes from two patients with myelogenous leukemia. Rothenberg ME, et al. **J Immunol** 1987 Apr 15; 138(8):2616-25

T-zone lymphoma with predominance of 'plasmacytoid T-cells' associated with myelomonocytic leukaemia--a distinct clinicopathological entity. Beiske K, et al. **J Pathol** 1986 Dec;150(4):247-55

Leukemic cell infiltration of the gingivae. Barrett AP. **J Periodontol** 1986 Sep;57(9):579-81

Clonal origin of radiation-induced myeloid leukemia in mice with cellular mosaicism. Bessho M, et al. **Jpn J Cancer Res** 1987 Jul;78(7):670-3

Maintenance of myeloid leukemic cells in the adherent layers of long-term bone marrow cultures. Shibata T, et al. **Jpn J Clin Oncol** 1987 Mar;17(1):3-11

Granulocytic sarcoma of the intestine as a primary manifestation nine months prior to overt acute myelogenous leukemia. Toki H, et al. **Jpn J Clin Oncol** 1987 Mar;17(1):79-85

Inefficacy of the synthetic aromatic retinoid etretinate and of its free acid on the in-vitro differentiation of leukemic cells. Chomienne C, et al. **Leuk Res** 1986;10(9):1079-81

Percentage of S-phase cells in bone marrow aspirates, biopsy specimens and bone marrow aspirates corrected for blood dilution from patients with acute leukemia. Colly LP, et al. **Leuk Res** 1987;11(3):209-13

The effect of 1,25-dihydroxyvitamin D3 on the relationship between growth and differentiation in HL-60 cells. Daniel CP, et al. **Leuk Res** 1987;11(2):191-6

Differentiated HL-60 promyelocytic leukaemia cells produce a factor inducing differentiation. Djulbegović B, et al. **Leuk Res** 1987;11(3):259-64

Comparison of two clonogenic assays for determining cell growth patterns in childhood acute myeloid leukemia: relationships to clinical findings and prognosis. Dow LW, et al. **Leuk Res** 1987;11(6):565-73

Effects of interferon and retinoic acid on the growth and differentiation of clonogenic leukemic cells from acute myelogenous leukemia patients treated with recombinant leukocyte-alpha A interferon. Gallagher RE, et al. **Leuk Res** 1987;11(7):609-19

On growth regulation of the rat promyelocytic leukemia (BNML): growth inhibition and eradication of clonogenic cells by cholera toxin. Lanotte M, et al. **Leuk Res** 1986; 10(11):1319-26

Kinetics of normal hemopoietic stem cells during leukemia growth before and after induction of a complete remission. Studies in a rat model for acute myelocytic leukemia (BNML). Martens AC, et al. **Leuk Res** 1987;11(5):453-9

Prognostic significance of agar and liquid cultures in AML patients before treatment, early postinduction and in remission. Müller MR, et al. **Leuk Res** 1987;11(1):17-23

A comparison of in vitro sensitivity of acute myeloid leukemia precursors to mitoxantrone, 4'deoxydoxorubicin, 4-demethoxydaunorubicin and daunorubicin. Schölzel C, et al. **Leuk Res** 1986;10(12):1455-9

Differentiation-associated carbohydrate chain on human hematopoietic cells recognized by Clerodendron trichotomum lectin. Shichijo S, et al. **Leuk Res** 1987; 11(7):603-8

Quantitative enzyme determination; a parameter for leukemic cell differentiation. Wijermans PW, et al. **Leuk Res** 1987; 11(7):641-8

Differentiation of cultured promyelocytic leukemia cells (HL-60) induced by endotoxin-treated human lung conditioned medium. Yunis AA, et al. **Leuk Res** 1987; 11(8):673-9

Retinoic acid promotes phorbol ester-initiated macrophage differentiation in HL-60 leukemia cells without disappearance of protein kinase C. Zylber-Katz E, et al. **Leuk Res** 1986;10(12):1425-32

Synergistic effect of retinoic acid and calcium ionophore A23187 on differentiation, c-myc expression, and membrane tyrosine kinase activity in human promyelocytic leukemia cell line HL-60. Chapekar MS, et al. **Mol Pharmacol** 1987 Feb;31(2):140-5

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 13-1987. A 20-year-old man with acute lymphoid leukemia and a swollen forearm. **N Engl J Med** 1987 Mar 26;316(13):797-806

Adenosine deaminase mRNA expression is regulated posttranscriptionally during differentiation of HL-60 cells. Berkvens TM, et al. **Nucleic Acids Res** 1987 Aug 25; 15(16):6575-87

Induction of differentiation of HL-60 cells by different agents and the phospholipid-sensitive Ca++ dependent protein phosphorylation system. Zylber-Katz E, et al. **Rev Clin Basic Pharm** 1985;5 Suppl:49S-56S

Granulocytic sarcoma of the kidney in a patient with acute myelomonocytic leukaemia. A case report. Klein B, et al. **S Afr Med J** 1986 Nov 22;70(11):696-8

Expression of monocytic and T-lymphocytic phenotype in a variant form of acute promyelocytic leukaemia (M3). Sato T, et al. **Scand J Haematol** 1986 Aug;37(2):151-3

Mixed megakaryoblastic and myeloblastic leukemia in patients with acute phase of chronic myelogenous leukemia. Tien HF, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Oct; 85(10):963-72

The influence of amphotericin B on differentiation induced by dimethylsulfoxide and actinomycin D in HL60 and Friend cell lines. Ciomei M, et al. **Tumori** 1986 Dec 31; 72(6):545-51

[Potency of induced differentiation in vitro of a human promyelocytic leukemia cell mutant (HL-60-AR) with characteristics of resistance to 8-AG and deficiency in HGPRT] Liu YH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Dec; 8(6):461-5 (Eng. Abstr.) **(Chi)**

[Establishment of human promyelocytic leukemia cell mutant (HL-60-AR) with characteristics of resistance to 8-AG and deficiency in HGPRT] Liu YH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Dec; 8(6):456-60 (Eng. Abstr.) **(Chi)**

[Differentiation of human promyelocytic leukemic cells (HL-60) induced by aclacinomycin-B] Lu Y, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Jun; 8(3):211-3 (Eng. Abstr.) **(Chi)**

[Acute myelomonocytic leukemia with abnormal eosinophils] Extra JM, et al. **Nouv Rev Fr Hematol** 1987;29(1):73-6 (Eng. Abstr.) **(Fre)**

[Clinicopathologic conference. Acute myeloid leukemia with accompanying fibrosis: on the differential diagnosis of an increase in fibers i acute myeloproliferative diseases] Zankovich R, et al. **Med Klin** 1986 Dec 12; 81(25-26):837-42 **(Ger)**

[Microabscesses of the spleen in patients with acute leukemia] Schmidt H, et al. **Radiologe** 1987 Jan;27(1):20-4 (Eng. Abstr.) **(Ger)**

[Myelodysplasia--a newly defined preliminary stage of acute leukemia] Hunstein W, et al. **Verh Dtsch Ges Inn Med** 1986; 92:85-9 **(Ger)**

[The possible role of spleen in the development of blastic crisis in a patient with chronic myelogenous leukemia] Yokota S, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Nov; 49(7):1388-95 (Eng. Abstr.) **(Jpn)**

[A case of acute promyelocytic leukemia diagnosed on the 5th day after delivery] Tanaka S, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1904-8 (Eng. Abstr.) **(Jpn)**

[Acute leukemia with unusual blast cell morphology] Ronin VS, et al. **Lab Delo** 1986;(10):588-90 (Eng. Abstr.) **(Rus)**

[Clones of the lymphoblastoid line RPMI-6410t requiring an exogenous growth factor] Seregina TM, et al. **Ontogenez** 1986 Nov-Dec;17(6):606-12 (Eng. Abstr.) **(Rus)**

[Structure of the bone marrow stroma and hematopoiesis following chemotherapy in patients with acute myeloblastic leukemia] Rugal' VI, et al. **Ter Arkh** 1986;58(9):43-7 (Eng. Abstr.) **(Rus)**

[Granulocytic sarcoma (chloroma) with bladder and breast localizations preceding acute myeloblastic leukemia] Merino Moreno J, et al. **Rev Clin Esp** 1987 Mar; 180(5):260-3 (Eng. Abstr.) **(Spa)**

[Appearance of acute myeloid leukemia in the course of lymphoblastic leukemia in a child] Madero López L, et al. **Sangre (Barc)** 1986;31(6):759-62 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Fibrinolysis in patients with acute promyelocytic leukemia and disseminated intravascular coagulation during heparin therapy. Imaoka S, et al. **Cancer** 1986 Oct 15;58(8):1736-8

Prognostic factors in adult patients with acute leukemia at first relapse. Smits P, et al. **Cancer** 1987 May 1;59(9):1631-4

Nutritional requirements of human malignant (leukemic) cell lines: implications for adjuvant therapy. Beebe DP, et al. **Cancer Res** 1987 May 1;47(9):2380-4

Restoration of active haemopoiesis in a patient with myelofibrosis and subsequent termination in acute myeloblastic leukaemia: case report and review of the literature. Pamphilon DH, et al. **Eur J Haematol** 1987 Mar; 38(3):279-83

Induction of granulocyte differentiation in a human leukemia cell line does not require cell division. Prokocimer M, et al. **Haematologia (Budap)** 1986;19(2):127-32

Differentiation of myeloid leukemic cells in vitro demonstrated by microcalorimetry: stimulation of leukemic and remission cells by IgG-binding Fc receptors. Fäldt R, et al. **Leuk Res** 1986;10(9):1147-50

[Aplastic anemia and acute leukemia (presentation of 3 cases)] Delgado Lamas JL, et al. **Rev Invest Clin** 1987 Jan-Mar; 39(1):71-4 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Prophylactic heparin in APL [letter] Venook AP, et al. **Blood** 1987 Sep;70(3):886-7

Graft-versus-leukaemia activity associated with cytomegalovirus antibody positive bone marrow donors in acute myeloid leukaemia [letter] Jacobsen N, et al. **Lancet** 1987 Feb 21;1(8530):456-7

RADIOGRAPHY

Lymphography and its prognostic value in childhood leukemia. Lanning P, et al. **Rontgenblatter** 1987 Apr; 40(4):118-20

THERAPY

Experience with bone marrow transplantation for severe aplastic anemia and leukemia. Two years experience with 31 patients in Zagreb (Yugoslavia). Labar B, et al. **Biomed Pharmacother** 1986;40(9):332-7

Autologous bone marrow transplantation in acute myelogenous leukemia: in vitro treatment with myeloid cell-specific monoclonal antibodies. Ball ED, et al. **Blood** 1986 Dec;68(6):1311-5

Acute myelogenous leukemia: recent advances in therapy. Champlin R, et al. **Blood** 1987 Jun;69(6):1551-62 (190 ref.)

Transplantation of bone marrow with constitutional chromosomal anomalies. Cytogenetic studies and clinical implications. Becher R, et al. **Blut** 1986 Oct;53(4):341-6

Autologous bone marrow transplantation following high dose chemotherapy for the treatment of adult patients with acute myeloid leukaemia. Goldstone AH, et al. **Br J Haematol** 1986 Nov;64(3):529-37

Cytogenetic follow-up studies of recipients of T-cell depleted allogeneic bone marrow. Lawler SD, et al. **Br J Haematol** 1987 Feb;65(2):143-50

Autologous bone marrow transplantation for acute leukemia in remission [letter] Preisler HD, et al. **Br J Haematol** 1987 Mar;65(3):377-9

Peripheral blood stem cell autografting: a new therapeutic option for AML? To LB, et al. **Br J Haematol** 1987 Jul; 66(3):285-8 (59 ref.)

Central venous catheters in acute blood malignancies. Krog MP, et al. **Cancer** 1987 Apr 1;59(7):1358-61

Acute leukaemia in children. Chessells JM. **Clin Haematol** 1986 Aug;15(3):727-53 (174 ref.)

Bone marrow transplantation in acute leukaemia. Gale RP, et al. **Clin Haematol** 1986 Aug;15(3):851-72 (79 ref.)

Graft-versus-leukaemia activity associated with cytomegalovirus seropositive bone marrow donors but separated from graft-versus-host disease in allograft recipients with AML. Jacobsen N, et al. **Eur J Haematol** 1987 Apr;38(4):350-5

Toxoplasmosis after bone marrow transplantation. Beelen DW, et al. **Hamatol Bluttransfus** 1987;30:574-8

The role of bone marrow transplantation in acute myelogenous leukemia. Gale RP. **Hamatol Bluttransfus** 1987;30:197-203

An HLA lost mutation may lead to leukemic relapse of recipient type six years after bone marrow transplantation. Grosse-Wilde H, et al. **Hamatol Bluttransfus** 1987;30:571-3

Allogeneic marrow transplantation for treatment of leukemia: results of the Munich Cooperative Group. Kolb HJ, et al. **Hamatol Bluttransfus** 1987;30:204-12

Treatment of patients with acute myeloid leukemia in first remission with marrow ablative therapy and autologous bone marrow transplantation. Löwenberg B, et al. **Hamatol Bluttransfus** 1987;30:233-6

Bone marrow transplantation in acute leukemia. Schaefer UW, et al. **Hamatol Bluttransfus** 1987;30:213-6

Neuraminidase-treated allogeneic blasts for maintenance in acute myelogenous leukemia: results of a prospective randomized trial. Urbanitz D, et al. **Hamatol Bluttransfus** 1987;30:64-8

Leukaemic relapse following Campath 1 treated bone marrow transplantation for leukaemia [letter] [published erratum appears in Lancet 1986 Dec 13;2(8520):1404] Pollard CM, et al. **Lancet** 1986 Dec 6;2(8519):1343-4

Leukaemic relapse after Campath 1 treated bone marrow transplantation for leukaemia [letter] Pollard CM, et al. **Lancet** 1986 Dec 13;2(8520):1404

Leukaemic relapse after Campath 1-treated bone-marrow transplantation for leukaemia [letter] Waldmann H, et al. **Lancet** 1987 Jan 3;1(8523):44

Autologous bone marrow transplantation in acute myeloid leukemia after in-vitro purging with an anti-lacto-N-fucopentaose III antibody and rabbit complement. Ferrero D, et al. **Leuk Res** 1987;11(3):265-72

Gene therapy for thioguanine-resistant human leukemia. Howell SB, et al. **Mol Biol Med** 1987 Jun;4(3):157-68

Bone marrow transplantation for acute leukemia: recent advances and comparison with alternative therapies. Champlin R, et al. **Semin Hematol** 1987 Jan;24(1):55-67 (92 ref.)

Alloimmunization following platelet transfusions in patients with acute nonlymphocytic leukemia. Nozaki H, et al. **Tokai J Exp Clin Med** 1986 Aug;11(3):201-4

European experience of bone marrow transplantation for leukemia. Ringdén O, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2600-4

[Further developments in the treatment of acute myeloid leukemia with autologous bone marrow transplantation] Löwenberg B. **Ned Tijdschr Geneeskd** 1987 Feb 7; 131(6):230-2 **(Dut)**

[Allogenic bone marrow grafts in acute myeloid leukemias. A retrospective study in 111 grafted patients in first complete remission] Maraninchi D, et al. **Presse Med** 1986 Nov 29;15(42):2093-6 (Eng. Abstr.) **(Fre)**

[Toxic retinopathy in cyclosporin A therapy] Pillunat LE, et al. **Klin Monatsbl Augenheilkd** 1987 Feb;190(2):131-4 (Eng. Abstr.) **(Ger)**

[Delayed development of chimerism following T-cell depleted bone marrow transplantation] Walther JU, et al. **Klin Padiatr** 1987 May-Jun;199(3):165-8 (Eng. Abstr.) **(Ger)**

[Therapeutic successes and prognostic criteria in acute leukemia] Hoelzer D. **Lebensversicherungsmedizin** 1986

Nov 1;38(6):167–70 (Eng. Abstr.) (Ger)
[X-ray morphological findings in 34 patients with acute myeloid leukemia, cytoreductive therapy and bone marrow transplantation in relation to the clinical data and irradiation regimen] Braunschweig R, et al. **Radiol Diagn (Berl)** 1986;27(6):711–8 (Eng. Abstr.) (Ger)
[Allogeneic bone marrow transplantation in acute myeloid leukemia (AML): results in 14 patients] Kos M, et al. **Wien Klin Wochenschr** 1987 Apr 3;99(7):217–22 (Eng. Abstr.) (Ger)
[Total body irradiation in the conditioning of autologous bone marrow transplants in acute leukemias and lymphomas] Corvò R, et al. **Radiol Med (Torino)** 1986 Dec; 72(12):955–8 (Eng. Abstr.) (Ita)
[A transient remission after blood transfusion in a case of hypoplastic leukemia] Yamao H, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1938–43 (Eng. Abstr.) (Jpn)
[Prognosis of acute leukemia in adults] Kwiatkowski A. **Folia Med Cracov** 1986;27(3–4):259–71 (Eng. Abstr.) (Pol)
[Bone marrow transplantation after preoperative chemotherapy and total body irradiation. III. Case report] Sulek K, et al. **Nowotwory** 1986 Oct–Dec;36(4):280–7 (Eng. Abstr.) (Pol)
[Intensive detoxication therapy in acute leukemia] Terekhov NT, et al. **Vrach Delo** 1987 May;(5):80–2 (Eng. Abstr.) (Rus)
[A different treatment for acute promyelocytic leukemia? (letter)] Coma A, et al. **Sangre (Barc)** 1986;31(6):773–4 (Spa)

URINE

Urinary GP41 excretion in patients with acute leukemias treated with intensive induction polychemotherapy. Maubach PA, et al. **Hamatol Bluttransfus** 1987;30:271–7
Urinary 6-keto-PGF1 alpha level in patients with childhood leukemia/lymphoma; a possible indicator of vascular damage. Morioka Y, et al. **Prostaglandins Leukotrienes Med** 1987 Jul;28(2):221–6

LEUKEMIA, MYELOCYTIC

Chronic myeloid leukemia. Tura S, et al. **Haematologica (Pavia)** 1986 May–Jun;71(3):169–76 (90 ref.)
Chronic granulocytic leukemia in children. Garewal G, et al. **Indian J Pediatr** 1987 May–Jun;54(3):421–5

BLOOD

Humoral-dependent hemopoiesis and flow cytometric analysis of chronic myelogenous leukemia in erythroblastic transformation. Lutton JD, et al. **Acta Haematol (Basel)** 1987;77(2):120–3
Plasma membrane proteins from human normal and chronic myeloid leukemic granulocytes: identification and partial characterization of the concanavalin A–binding and detergent resistant proteins. Zingde SM, et al. **Blut** 1987 Aug;55(2):89–100
Growth factors in chronic myelogenous leukemia. Kothari V, et al. **Cancer Lett** 1986 Sep;32(3):285–92
Characterization of malignant peripheral blood cells of juvenile chronic myelogenous leukemia. Estrov Z, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6456–61
Colony inhibiting factor in mature granulocytes from normal individuals and patients with chronic myeloid leukemia. Bøyum A, et al. **Eur J Haematol** 1987 Apr;38(4):318–26
The lifespans and migration patterns of 111In-labelled mature and immature granulocytes in patients with chronic myelocytic leukaemia. Uchida T, et al. **Fukushima J Med Sci** 1986 Jun;32(1):47–55
Primitive progenitor cells in the blood of patients with chronic granulocytic leukemia. Dowding CR, et al. **Int J Cell Cloning** 1986 Sep;4(5):331–40
Isolation and characterization of the receptor on human neutrophils that mediates cellular adherence. Hickstein DD, et al. **J Biol Chem** 1987 Apr 25;262(12):5576–80
Persisting colonies in agar cultures containing serum from patients with CML in blastic transformation. Brown RD, et al. **Leuk Res** 1987;11(6):545–7
Study of the relationship between the granulocyte LDH, alkaline phosphatase and Zn at the level of the leukocyte in patients with chronic myeloid leukemia. Chirulescu Z, et al. **Med Interne** 1986 Jul–Sep;24(3):221–5
Altered adhesive interactions with marrow stroma of haematopoietic progenitor cells in chronic myeloid leukaemia. Gordon MY, et al. **Nature** 1987 Jul 23–29; 328(6128):342–4
Effect of mitoxantrone on human chronic myeloid leukemia cells in vitro, combined with hyperthermia. Juvekar AS, et al. **Neoplasma** 1986;33(4):477–82
A marker of neutrophil heterogeneity reveals two forms of chronic myelogenous leukemia. Gallin JI, et al. **Trans Assoc Am Physicians** 1985;98:166–70
[Characterization and differentiation of basophilic precursor cells in Philadelphia chromosome positive chronic myelogenous leukemia] Fukuda T. **Nippon Ketsueki Gakkai Zasshi** 1986 Aug;49(5):1024–36 (Eng. Abstr.) (Jpn)
[Pathophysiology of chronic myelogenous leukemia—effects of mature granulocytes on erythroid colony formation in vitro] Urushiyama M. **Nippon Ketsueki Gakkai Zasshi** 1986 Aug;49(5):1013–23 (Eng. Abstr.) (Jpn)
[Clinical value of ultracytochemical studies of granulocytes in patients with myelocytic leukemia] Shardakov VI, et al. **Gematol Transfuziol** 1987 Jun;32(6):28–30 (Eng. Abstr.) (Rus)
[Leukocyte-thrombocyte interactions in chronic myeloleukemia and erythremia] Arkhipov BF, et al. **Ter Arkh** 1986;58(9):88–92 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

Iatrogenic myelomonocytic leukemia following melphalan treatment of scleromyxedema. Helm F, et al. **Cutis** 1987 Mar;39(3):219–23
Acute nonlymphocytic leukemia after thiotepa instillation into the bladder: report of 2 cases and review of the literature. Silberberg JM, et al. **J Urol** 1987 Aug; 138(2):402–3

CLASSIFICATION

Juvenile chronic myelogenous leukaemia and histiocytosis syndromes in children [letter] Freedman MH, et al. **Lancet** 1987 Mar 28;1(8535):754

COMPLICATIONS

Fungal infection caused by Fusarium in cancer patients. Anaissie E, et al. **Am J Clin Oncol** 1987 Feb;10(1):86–8
Chronic myelogenous leukemia and glomerulonephritis: report of a new case [letter] Gago ES, et al. **Am J Med** 1986 Dec;81(6):1121–2
Massive subretinal hemorrhage with acute angle-closure glaucoma in chronic myelocytic leukemia. Kozlowski IM, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):837–8
Chronic myeloid leukaemia in a haemophiliac [letter] Ghosh K, et al. **Blut** 1987 Jun;54(6):369–70
Skin lesions from hypersensitivity to cold during chronic myelomonocytic leukaemia. Dreno B, et al. **Br J Dermatol** 1986 Nov;115(5):607–9
Myelofibrosis in chronic granulocytic leukaemia: clinicopathologic correlations and prognostic significance. Lazzarino M, et al. **Br J Haematol** 1986 Oct;64(2):227–40
Cerebral abscess in leukaemia: an unusual presentation of a rare complication. Patterson MC, et al. **Clin Exp Neurol** 1985;21:257–62
Corynebacterium minutissimum bacteremia in a patient with chronic myeloid leukemia in blast crisis. Guarderas J, et al. **Diagn Microbiol Infect Dis** 1986 Nov;5(4):327–30
Leukemia and Crohn's disease [letter] Gutknecht J, et al. **Dig Dis Sci** 1986 Dec;31(12):1391
Inflammatory bowel disease and leukemia. A report of seven cases of leukemia in ulcerative colitis and Crohn's disease and review of the literature. Mir Madjlessi SH, et al. **Dig Dis Sci** 1986 Oct;31(10):1025–31
Simultaneous occurrence of chronic granulocytic leukemia and chronic lymphoid leukemia. Leoni F, et al. **Haematologica (Pavia)** 1987 May–Jun;72(3):253–6
Pulmonary leukostasis in a patient with chronic myeloid leukemia. Dhand R, et al. **Indian J Chest Dis Allied Sci** 1986 Oct–Dec;28(4):253–6
Chronic myelocytic leukaemia in a patient with sickle cell anaemia. Sarma PS, et al. **J Assoc Physicians India** 1986 Nov;34(11):821–2
Priapism in CML [letter] Singhvi GR, et al. **J Assoc Physicians India** 1986 Jul;34(7):535–6
Atypical bullous pyoderma gangrenosum associated with myeloid malignancies. Hay CR, et al. **J Clin Pathol** 1987 Apr;40(4):387–92
Hyperammonaemic encephalopathy in chronic myelomonocytic leukaemia [letter] Sharp RA, et al. **Lancet** 1987 Apr 4;1(8536):805
Bone lesions in chronic granulocytic leukaemia: report of 3 cases [letter] Kumar L, et al. **NZ Med J** 1986 Sep 10; 99(809):681
Three uncommon complications of chronic granulocytic leukaemia (CGL) [letter] Wilkinson MJ, et al. **NZ Med J** 1986 Nov 26;99(814):912
Acute febrile neutrophilic dermatosis (Sweet's syndrome) presenting as facial cellulitis in a child with juvenile chronic myelogenous leukemia. Krilov LR, et al. **Pediatr Infect Dis J** 1987 Jan;6(1):77–9
Sensori-neural hearing impairment in chronic granulocytic leukaemia. Onwukeme KE, et al. **Trop Geogr Med** 1987 Jan;39(1):24–7
[Mediterranean visceral leishmaniasis associated with chronic myeloid leukemia] Abdeladhim A, et al. **Tunis Med** 1986 May;64(5):491–2 (Eng. Abstr.) (Fre)
[Nonreactive generalized tuberculosis in 2 leukemic patients] Cantore M, et al. **Recenti Prog Med** 1987 Jan;78(1):20–2 (Eng. Abstr.) (Ita)
[Chronic myelomonocytic leukemia with markedly ineffective thrombocytopoiesis: report of a case] Osato M, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1394–9 (Eng. Abstr.) (Jpn)
[Chronic myelomonocytic leukemia—functional study of monocytic leukemia cells] Tomino S, et al. **Rinsho Ketsueki** 1986 Sep;27(9):1780–8 (Eng. Abstr.) (Jpn)

DIAGNOSIS

Neutrophilic leukemia accompanied by hemorrhagic diathesis: report of two cases. Hossfeld DK, et al. **Blut** 1987 Feb;54(2):109–13
Kappa light chain myeloma developing in a patient with chronic neutrophilic leukaemia [letter] Zoumbos NC, et al. **Br J Haematol** 1987 Apr;65(4):504–5
Granulocytic sarcoma in nonleukemic patients. Meis JM, et al. **Cancer** 1986 Dec 15;58(12):2697–709
Timing of the haematologic diagnosis of Ph+ chronic myeloid leukaemia. The Italian Cooperative Study Group on chronic myeloid leukaemia. **Eur J Haematol** 1987 Jan; 38(1):75–9
The relevance of clinical and laboratory data at diagnosis to survival time of chronic granulocytic leukemia patients. Kotlarek-Haus S, et al. **Folia Haematol (Leipz)** 1986; 113(6):731–7
Chromosome studies of hematopoietic colonies for distinct diagnosis of megakaryoblastic crisis of chronic myelogenous leukemia: a case report. Shiga Y, et al. **Leuk Res** 1987;11(8):711–8
Chronic myeloid leukemia: manifesting as spontaneous splenic rupture and terminating in megakaryoblastic transformation. Shih LY, et al. **Med Pediatr Oncol** 1987; 15(1):31–7
Granulocytic sarcoma (chloroma) of the oral cavity: a case with aleukemic presentation. Ficarra G, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jun;63(6):709–14
Diagnosis of granulocytic sarcoma facilitated by monoclonal antibodies. Juneja SK, et al. **Pathology** 1986 Oct; 18(4):469–72
[Orbital chloroma] Deng FG. **Chung Hua Yen Ko Tsa Chih** 1986 Jul;22(4):201–2 (Eng. Abstr.) (Chi)
[Chronic myeloid leukemia in childhood. Clinico-hematologic study of 40 cases] Ferrara F, et al. **Minerva Pediatr** 1987 Jan 31;39(1–2):15–8 (Eng. Abstr.) (Ita)
[Chronic neutrophilic leukemia] Miura AB, et al. **Rinsho Ketsueki** 1987 Apr;28(4):505–12 (19 ref.) (Eng. Abstr.) (Jpn)
[Obstructive jaundice caused by granulocytic sarcoma. An unusual presentation of an acute leukemia] Gutiérrez de Guzmán J, et al. **Rev Clin Esp** 1987 Apr;180(6):309–10 (Eng. Abstr.) (Spa)

DRUG THERAPY

Immune basis for cimetidine-induced pancytopenia. Nagler A, et al. **Am J Gastroenterol** 1987 Apr;82(4):359–61
Clinical investigation of human alpha interferon in chronic myelogenous leukemia. Talpaz M, et al. **Blood** 1987 May; 69(5):1280–8
Dose related effectiveness of alpha interferon in chronic myelogenous leukemia [letter] Gastl G, et al. **Blut** 1987 Apr;54(4):251–2
A comparative study of dibromomannitol and busulfan in the treatment of chronic myeloid leukemia. A study of cancer and leukemia group B. Silver RT, et al. **Cancer** 1987 Oct 1;60(7):1442–8
Preferential inhibition by cytarabine of CFU-GM from patients with chronic granulocytic leukemia. Sokal JE, et al. **Cancer** 1987 Jan 1;59(1):197–202
Differentiation therapy of a myelomonocytic leukemia (c-WRT-7) in rats by injection of lipopolysaccharide and daunomycin. Fujii Y, et al. **Cancer Res** 1987 Mar 15; 47(6):1668–73
Mitoxantrone, vincristine, and prednisone in adults with relapsed or primarily refractory acute lymphocytic leukemia and terminal deoxynucleotidyl transferase positive blastic phase chronic myelocytic leukemia. Paciucci PA, et al. **Cancer Res** 1987 Oct 1;47(19):5234–7
Recombinant human interferon alpha-2 and juvenile chronic myelogenous leukemia: cell receptor binding, enzymatic induction, and growth suppression in vitro. Estrov Z, et al. **Exp Hematol** 1987 Feb;15(2):127–32
Cytotoxic and DNA-inhibitory effects of iron chelators on human leukaemic cell lines. Kontoghiorghes GJ, et al. **Hematol Oncol** 1986 Jul–Sep;4(3):195–204
Low-dose cytosine arabinoside in adult chronic myelomonocytic leukemia [letter] Fenaux P, et al. **J Clin Oncol** 1987 Jul;5(7):1129–30
Potentiation of hydroxyurea cytotoxicity in human chronic myeloid leukemia cells by iron-chelating agent. Satyamoorthy K, et al. **Leuk Res** 1986;10(11):1327–30
Phase I–II trial of VP-16 in the treatment of acute nonlymphocytic leukemia and blast crisis of chronic granulocytic leukemia. Mailliard JA, et al. **Med Pediatr Oncol** 1986;14(6):306–9
In vitro modulation of adriamycin and mitoxantrone cytotoxicity by hyperthermia and diazepam, in human chronic myeloid leukemia cells. Juvekar AS, et al. **Neoplasma** 1987;34(2):199–204
Treatment of juvenile chronic myelocytic leukemia with multidrug chemotherapy including aclacinomycin and N4-behenoyl-1-beta-D-arabinofuranosylcytosine. Ishii E, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Sep;49(6):1297–9
Low dose cytosar in the treatment of chronic granulocytic leukaemia—blast crisis [letter] Kumar L, et al. **NZ Med J** 1987 Jan 28;100(816):31
Preliminary observations on intravenous idarubicin (4-demethoxydaunorubicin) in the chronic and accelerated phase of chronic myelogenous leukemia. Battista R, et al. **Tumori** 1986 Aug 31;72(4):389–93
Augmentation of hydroxyurea cytotoxicity by sintamil in human chronic myeloid leukemia cells. Pradhan SG, et al. **Tumori** 1986 Oct 31;72(5):507–10

[Therapy of malignant systemic diseases: hemoblastoses and malignant lymphomas] Schmidt CG. **Arzneimittelforschung** 1987 Feb;37(2A):279–87 (15 ref.) (Eng. Abstr.) **(Ger)**

[24-year survival in chronic myeloid leukemia] Müller L, et al. **Klin Wochenschr** 1987 Jul 15;65(14):673–6 (Eng. Abstr.) **(Ger)**

[Prospective controlled study of therapy of chronic myeloid leukemia (CML)] Hehlmann R, et al. **Onkologie** 1987 Feb; 10(1):28–33 (Eng. Abstr.) **(Ger)**

[High-dose busulfan with subsequent bone marrow transplantation in poor-risk forms of leukemia] Urban C, et al. **Wien Klin Wochenschr** 1987 Mar 6;99(5):144–9 (Eng. Abstr.) **(Ger)**

[Effect of cytostatic therapy in hemoblastoses on phagocytosis of neutrophilic granulocytes] Gottschalk U, et al. **Z Aerztl Fortbild (Jena)** 1986;80(23):981–3 **(Ger)**

[Successful treatment with low-dose Ara-C in a case of chronic myelomonocytic leukemia] Gotoh T, et al. **Rinsho Ketsueki** 1987 Apr;28(4):583–8 (Eng. Abstr.) **(Jpn)**

[Investigation of hepatic reserve in patients with severe liver dysfunction in the treatment of acute leukemia] Hamazaki H, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1317–22 (Eng. Abstr.) **(Jpn)**

[Successful vindesine treatment in the patient with blastic crisis of CML complicated with syndrome of inappropriate secretion of ADH secondary to vincristine] Nishinarita S, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1916–21 (Eng. Abstr.) **(Jpn)**

[Complete remission achieved by high dose cytosine arabinoside therapy in the 4th relapse of AML] Sai M, et al. **Rinsho Ketsueki** 1986 Jun;27(6):952–5 (Eng. Abstr.) **(Jpn)**

[Results of the treatment of myeloblastic crisis in myelocytic leukemia using the HAR program] Zdziechowska H, et al. **Acta Haematol Pol** 1986 Jul-Dec;17(3–4):91–5 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Nonclonal hemopoietic progenitors in a G6PD heterozygote with chronic myelogenous leukemia revealed after long-term marrow culture. Hogge DE, et al. **Am J Hematol** 1987 Apr;24(4):389–94

Identification of purine deoxyribonucleoside kinases from human leukemia cells: substrate activation by purine and pyrimidine deoxyribonucleosides. Sarup JC, et al. **Biochemistry** 1987 Jan 27;26(2):590–7

Presence of cytidine 5'-monophospho-N-acetylneuraminic acid:Gal beta 1-3GalNAc-R alpha(2-3)-sialyltransferase in normal human leukocytes and increased activity of this enzyme in granulocytes from chronic myelogenous leukemia patients. Baker MA, et al. **Cancer Res** 1987 Jun 1;47(11):2763–6

Analysis of P210bcr-abl tyrosine protein kinase activity in various subtypes of Philadelphia chromosome-positive cells from chronic myelogenous leukemia patients. Maxwell SA, et al. **Cancer Res** 1987 Mar 15;47(6):1731–9

Modulation of transglutaminase activity in mononuclear phagocytes and macrophage-like tumor cell lines by differentiation agents. Goldman R. **Exp Cell Res** 1987 Jan; 168(1):31–43

Protein phosphorylation of lysosomal arylsulfatase B in normal and leukemic leukocytes. Uehara Y, et al. **FEBS Lett** 1986 Nov 24;208(2):352–6

Correlation of granulocyte intracellular activities of cyclic nucleotide phosphodiesterases with leukocyte count in patients with chronic myelogenous leukaemia. Naskalski JW, et al. **Haematologia (Budap)** 1986;19(4):285–92

Cyclic 3'5'-adenosine monophosphate phosphodiesterase and cyclic 3'5'-guanosine monophosphate phosphodiesterase of normal granulocytes and granulocytes of chronic myelogenous leukaemia. Uciński WS, et al. **Haematologia (Budap)** 1986;19(4):275–83

LDH isoenzymes in blast crisis of chronic granulocytic leukemia [letter] Pozzato G, et al. **Haematologica (Pavia)** 1987 Mar-Apr;72(2):184

Leukaemogenesis: a postulated mechanism involving tyrosine protein kinase and DNA topoisomerase. Francis GE. **Med Hypotheses** 1987 Mar;22(3):223–35 (66 ref.)

Phosphotyrosine antibodies identify the p210c-abl tyrosine kinase and proteins phosphorylated on tyrosine in human chronic myelogenous leukemia cells. Naldini L, et al. **Mol Cell Biol** 1986 May;6(5):1803–11

Uracil-DNA glycosylase in benign and malignant maturing human hematopoietic cells. Koistinen P, et al. **Mutat Res** 1986 Oct;175(2):115–20

Reversal of human myeloid leukemia cells into normal granulocytes and macrophages: activity and intracellular distribution of catalase. Kos Z, et al. **Oncology** 1987; 44(4):245–7

Unique forms of the abl tyrosine kinase distinguish Ph1-positive CML from Ph1-positive ALL. Clark SS, et al. **Science** 1987 Jan 2;235(4784):85–8

ETIOLOGY

Cytobiologic and clinical aspects in a patient with chronic neutrophilic leukemia after thorotrast exposure. Boggs DR, et al. **Am J Med** 1986 Nov;81(5):905–10

Chronic myelomonocytic leukemia following refractory anemia with sideroblasts: report of two cases. Bursztyn B, et al. **Eur J Haematol** 1987 Feb;38(2):197–9

T-cell involvement in benign phase chronic myelogenous leukemia. Nogueira-Costa R, et al. **Leuk Res** 1986; 10(12):1433–9

Essential thrombocythemia and leukemic transformation. Sedlacek SM, et al. **Medicine (Baltimore)** 1986 Nov; 65(6):353–64

[Various data on the pathogenesis of myelocytic leukemia—is the fusion of genetic material a cause of oncogen activation?] Rupniewska ZM. **Przegl Lek** 1986;43(8):563–9 (110 ref.) **(Pol)**

FAMILIAL & GENETIC

t(1;2), inv(1) and trisomy 1q during the blastic phase of Philadelphia chromosome-positive chronic myeloid leukemia. Carbone P, et al. **Acta Haematol (Basel)** 1987; 77(4):198–202

Missing Y chromosome in 2 patients with chronic myelocytic leukemia. Clemm C, et al. **Acta Haematol (Basel)** 1986; 76(1):57–9

Translocation of oncogene c-sis from chromosome 22 to chromosome 17 in a human myelogenous leukemia cell line. Tripputi P, et al. **Acta Haematol (Basel)** 1987;77(3):135–9

Philadelphia chromosome negative CGL [letter] Morris CM, et al. **Am J Clin Pathol** 1987 Feb;87(2):299–300

Marked hypodiploidy in blast phase chronic myelogenous leukemia: report of a case and review of the literature. Cibull ML, et al. **Am J Hematol** 1987 Mar;24(3):293–9

The role of the Philadelphia translocation in chronic myelocytic leukemia. De Klein A, et al. **Ann Clin Res** 1986; 18(5–6):278–83

Rearrangement in the breakpoint cluster region and the clinical course in Philadelphia-negative chronic myelogenous leukemia. Kurzrock R, et al. **Ann Intern Med** 1986 Nov;105(5):673–9

A myelodysplastic syndrome with marrow eosinophilia terminating in acute nonlymphocytic leukemia, associated with an abnormal chromosome 16. Abbondanzo SL, et al. **Arch Pathol Lab Med** 1987 Apr;111(4):330–2

Clustering of undermethylated CCGG and GCGC sequences in the 5' region of the Ha-ras-1 oncogene of human leukemic K562 cells. Barbieri R, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):96–104

T lymphocytes lack rearrangement of the bcr gene in Philadelphia chromosome-positive chronic myelocytic leukemia. Bartram CR, et al. **Blood** 1987 Jun;69(6):1682–5

Chronic myelogenous leukemia: amplification of a rearranged c-abl oncogene in both chronic phase and blast crisis. Collins SJ, et al. **Blood** 1987 Mar;69(3):893–8

t(14;14)(q11;q32) in biphenotypic blastic phase of chronic myeloid leukemia. Dastugue N, et al. **Blood** 1986 Oct; 68(4):949–53

Rearrangement of the bcr gene in Philadelphia chromosome-negative chronic myeloid leukemia. Ganesan TS, et al. **Blood** 1986 Oct;68(4):957–60

Identification of molecular variants of p210bcr-abl in chronic myelogenous leukemia. Kurzrock R, et al. **Blood** 1987 Jul; 70(1):233–6

Frequent and extensive deletion during the 9,22 translocation in CML. Popenoe DW, et al. **Blood** 1986 Nov;68(5):1123–8

bcr-abl RNA in patients with chronic myelogenous leukemia. Shtivelman E, et al. **Blood** 1987 Mar;69(3):971–3

Breakpoints in variant Philadelphia translocations in chronic myeloid leukemia. De Braekeleer M. **Blut** 1986 Oct; 53(4):301–4

Cytogenetic evidence for partially committed myeloid progenitor cell origin of chronic myelomonocytic leukaemia and juvenile chronic myeloid leukaemia: both granulocyte-macrophage precursors and erythroid precursors carry identical marker chromosome. Amenomori T, et al. **Br J Haematol** 1986 Nov;64(3):539–46

Monosomy 7 in the blast crisis of Ph 1 positive chronic granulocytic leukaemia (CGL): incidence and clinico-haematological features [letter] Bernasconi P, et al. **Br J Haematol** 1987 May;66(1):143–5

Haemopoietic recovery from Ph1 positive chronic granulocytic leukemia [letter] Calvo F, et al. **Br J Haematol** 1987 Apr;65(4):500–1

Ph-negative chronic myeloid leukaemia. Fitzgerald PH, et al. **Br J Haematol** 1987 Jul;66(3):311–4

Acute promyelocytic transformation of chronic myeloid leukaemia with an isochromosome 17q. van der Merwe T, et al. **Br J Haematol** 1986 Dec;64(4):751–6

Phenotypic and genotypic analysis of chronic myelogenous leukaemia with T lymphoblastic and megakaryoblastic mixed crisis. Yasukawa M, et al. **Br J Haematol** 1987 Jul; 66(3):331–6

Role of heterochromatin during preferential 9q;22q translocation in chronic myelogenous leukemia. Verma RS, et al. **Can J Genet Cytol** 1986 Dec;28(6):998–1002

Clinical and prognostic features of Philadelphia chromosome-negative chronic myelogenous leukemia. Kantarjian HM, et al. **Cancer** 1986 Nov 1;58(9):2023–30

Sequential karyotype study on Ph-positive chronic myelocytic leukemia. Significance of additional chromosomal abnormalities during disease evolution. Krulik M, et al. **Cancer** 1987 Sep 1;60(5):974–9

Clinical and prognostic features of patients with Philadelphia chromosome-positive chronic myelogenous leukemia and extramedullary disease. Terjanian T, et al. **Cancer** 1987 Jan 15;59(2):297–300

Heteromorphism of C-band positive chromosomal regions in CML patients. Adhvaryu SG, et al. **Cancer Genet Cytogenet** 1987 Jul;27(1):33–8

Cytogenetic and molecular characterization of a masked Philadelphia chromosome in chronic myelocytic leukemia. Alimena G, et al. **Cancer Genet Cytogenet** 1987 Jul; 27(1):21–6

The karyotype of blastic crisis. Alimena G, et al. **Cancer Genet Cytogenet** 1987 May;26(1):39–50

Ph-positive chronic myeloid leukemia with near-haploid conversion in vivo and establishment of a continuously growing cell line with similar cytogenetic pattern. Andersson BS, et al. **Cancer Genet Cytogenet** 1987 Feb; 24(2):335–43

Secondary Ph-positive CML with a minority monosomy 7 clone. Auerbach HE, et al. **Cancer Genet Cytogenet** 1987 Sep;28(1):173–8

Atypical t(9;12;22), t(20;22), and t(12;22) in Philadelphia-positive CML [letter] Becher R, et al. **Cancer Genet Cytogenet** 1987 Mar;25(1):183–4

Possible cytogenetic marker associated with myelofibrosis in chronic granulocytic leukemia and its prognostic significance. Berman M, et al. **Cancer Genet Cytogenet** 1987 Apr;25(2):361–5

Molecular characteristics of chronic myelogenous leukemia in blast crisis. Blick M, et al. **Cancer Genet Cytogenet** 1987 Aug;27(2):349–56

Silver bands in chronic granulocytic leukemia. II. The Philadelphia chromosome. Brasch JM, et al. **Cancer Genet Cytogenet** 1987 Mar;25(1):131–9

Implications of retroviral and oncogene activity in chronic myelogenous leukemia. Brodsky I, et al. **Cancer Genet Cytogenet** 1987 May;26(1):15–23

A case of chronic myeloid leukemia with a "masked" Philadelphia chromosome. Coates PB, et al. **Cancer Genet Cytogenet** 1987 Mar;25(1):165–7

Breakpoint distribution in variant Philadelphia translocations in chronic myeloid leukemia [letter] De Braekeleer M. **Cancer Genet Cytogenet** 1986 Oct;23(2):167–70

Cytogenetics and cell surface marker analysis in chronic myelocytic leukemia. II. Implications for patient management. Fuscaldo KE, et al. **Cancer Genet Cytogenet** 1987 May;26(1):25–37

A case of chronic myelogenous leukemia with four Philadelphia chromosomes [letter] Gibas L, et al. **Cancer Genet Cytogenet** 1987 Sep;28(1):179–80

Erythrocytosis and complex Ph translocation 46,XY,t(9;11;22) in a patient with chronic myelogenous leukemia. Kubota K, et al. **Cancer Genet Cytogenet** 1987 Feb;24(2):359–62

Translocation (1;7) in a case of secondary chronic myelomonocytic leukemia. Laï JL, et al. **Cancer Genet Cytogenet** 1987 Feb;24(2):355–7

Chronic myelogenous leukemia with t(9;22) and t(8;11): a new chromosome anomaly. Laï JL, et al. **Cancer Genet Cytogenet** 1987 Mar;25(1):103–7

Variant translocation t(15q;17q) accompanying a promyelocytic accelerated phase of Ph-positive chronic myeloid leukemia. Louwagie AC, et al. **Cancer Genet Cytogenet** 1987 Oct;28(2):349–52

Amplification of the c-myc oncogene is associated with an abnormally banded region on chromosome 8 or double minute chromosomes in two HL-60 human leukemia sublines. Misawa S, et al. **Cancer Genet Cytogenet** 1987 Sep;28(1):127–35

Breakpoint cluster region rearrangements in chronic myelogenous leukemia with a masked Philadelphia chromosome. Ohyashiki JH, et al. **Cancer Genet Cytogenet** 1987 Mar;25(1):15–20

Translocation between chromosomes 7 and 11 in nonlymphocytic neoplasia. Ohyashiki K, et al. **Cancer Genet Cytogenet** 1987 Jun;26(2):191–7

Four cases with complex Philadelphia translocations, including one with appearance de novo of a "masked" Ph. Ohyashiki K, et al. **Cancer Genet Cytogenet** 1987 Feb; 24(2):281–94

Transposition of breakpoint cluster region (3' bcr) in CML cells with variant Philadelphia translocations. Ohyashiki K, et al. **Cancer Genet Cytogenet** 1987 May;26(1):105–15

Two unusual complex translocations in Ph-positive chronic myeloid leukemia [letter] Pinkerton PH, et al. **Cancer Genet Cytogenet** 1987 Aug;27(2):375–7

Correlation between cytogenetic and molecular findings in human chronic myelogenous leukemia lines EM-2 and EM-3. Raskind WH, et al. **Cancer Genet Cytogenet** 1987 Apr;25(2):271–84

Karyotype evolution in CML: high frequency of translocations other than the Ph. Sessarego M, et al. **Cancer Genet Cytogenet** 1987 Mar;25(1):73–80

Correlation between acquired pseudo-Pelger-Huet anomaly and involvement of chromosome 17 in chronic myeloid leukemia. Sessarego M, et al. **Cancer Genet Cytogenet** 1987 Apr;25(2):265–70

3p21 and 3q25 breakpoints successively involved in a Philadelphia-positive chronic myelocytic leukemia with thrombocythemia [letter] Turchini MF, et al. **Cancer Genet Cytogenet** 1987 Aug;27(2):371–4

Rings and double minutes in a case with blastic phase of chronic myelocytic leukemia. Uehara M, et al. **Cancer Genet Cytogenet** 1987 Apr;25(2):253–8

Length polymorphisms of the human Y chromosome in patients with chronic myelogenous leukemia. Verma RS, et al. **Cancer Genet Cytogenet** 1987 Feb;24(2):295–7

Chromosome studies in patients with Philadelphia chromosome-positive chronic myeloid leukemia submitted to bone marrow transplantation--results of a European Cooperative Study. Zaccaria A, et al. **Cancer Genet Cytogenet** 1987 May;26(1):5–13

Observations of clinical and chromosomal changes in a case of chronic granulocytic leukemia. Gao JS, et al. **Chin Med J [Engl]** 1987 Feb;100(2):158–61

Oncogene activation by chromosomal translocation in chronic myelocytic leukemia. Groffen J, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:911–21

Variant Philadelphia translocations in chronic myeloid leukemia. De Braekeleer M. **Cytogenet Cell Genet** 1987; 44(4):215–22

cDNA sequence for human bcr, the gene that translocates to the abl oncogene in chronic myeloid leukaemia. Hariharan IK, et al. **EMBO J** 1987 Jan;6(1):115–9

Clonal nature of Philadelphia chromosome-positive and -negative chronic myelogenous leukemia by DNA hybridization analyses. Yoffe G, et al. **Exp Hematol** 1987 Aug;15(7):725–8

Molecular study of the Philadelphia translocation in chronic myelogenous leukemia in different stages of disease. Torelli G, et al. **Haematologica (Pavia)** 1987 May–Jun;72(3):201–8

Modification and evaluation of direct and high-resolution bone-marrow chromosome preparation techniques. Köpf I, et al. **Hereditas** 1986;104(2):245–52

Molecular genetics of human B cell neoplasia. Croce CM. **Horiz Biochem Biophys** 1986;8:545–70

Constitutional Robertsonian T(15;22) in Ph-positive CML. Becher R, et al. **Hum Genet** 1987 Aug;76(4):399

Aberrant breakpoints in chronic myelogenous leukaemia; oncogenes and fragile sites. Huret JL, et al. **Hum Genet** 1986 Dec;74(4):447–8

Transcriptional regulation of the c-myc protooncogene by 1,25-dihydroxyvitamin D3 in HL-60 promyelocytic leukemia cells. Simpson RU, et al. **J Biol Chem** 1987 Mar 25;262(9):4104–8

Breakpoints on chromosomes 9 and 22 in Philadelphia chromosome-positive chronic myelogenous leukemia (CML). Amplification of rearranged c-abl oncogenes in CML blast crisis. Collins SJ. **J Clin Invest** 1986 Nov; 78(5):1392–6

Persistence of chronic myelocytic leukemia despite deletion of rearranged bcr/c-abl sequences in blast crisis. Bartram CR, et al. **J Exp Med** 1986 Nov 1;164(5):1389–96

Breakpoints in Philadelphia chromosome (Ph1)-positive leukemias. Hirosawa S, et al. **Jpn J Cancer Res** 1987 Jun; 78(6):590–5

Differentiation by a tumor promoter of lymphoblastoid cell lines with and without Ph1 chromosome from a chronic myelogenous leukemia patient. Yamada T, et al. **Jpn J Cancer Res** 1987 May;78(5):499–504

Molecular biology and chronic granulocytic leukaemia [editorial] **Lancet** 1986 Sep 20;2(8508):666–8

Do oncogenes determine clinical features in chronic myeloid leukaemia? [published erratum appears in Lancet 1987 Jun 27;1(8548):1506] Dreazen O, et al. **Lancet** 1987 Jun 20; 1(8547):1402–5

The c-abl, bcr and C lambda genes are amplified in a cell line but not in the uncultured cells from a patient with chronic myelogenous leukemia. Blick MB, et al. **Leuk Res** 1986;10(12):1401–9

t(4;21) (p16;q22) in blastic crisis of a chronic myeloid leukemia with variant Philadelphia translocation. Donti E, et al. **Leuk Res** 1986;10(12):1487–91

Involvement of chromosomal region 9q34 in a case of variant Ph1 translocation t(22;22). Mareni C, et al. **Leuk Res** 1986; 10(9):1131–7

Complexity of an apparently simple variant Ph translocation in chronic myeloid leukemia. Morris CM, et al. **Leuk Res** 1987;11(2):163–9

The chronic myelocytic cell line K562 contains a breakpoint in bcr and produces a chimeric bcr/c-abl transcript. Grosveld G, et al. **Mol Cell Biol** 1986 Feb;6(2):607–16

Evidence that the phl gene encodes a 160,000-dalton phosphoprotein with associated kinase activity. Stam K, et al. **Mol Cell Biol** 1987 May;7(5):1955–60

Spontaneous premature chromosome condensation observed in a myeloid leukemia derived human cell line (K562). Georgian L, et al. **Morphol Embryol (Bucur)** 1987 Apr–Jun; 33(2):107–9

Oncogene activation by chromosomal rearrangement in chronic myelocytic leukemia. De Klein A. **Mutat Res** 1987 Sep;186(2):161–72 (97 ref.)

Breakpoint distribution in variant Philadelphia translocations in chronic myeloid leukemia. De Braekeleer M. **Nouv Rev Fr Hematol** 1986;28(5):293–5

Molecular analysis of both translocation products of a Philadelphia-positive CML patient. de Klein A, et al. **Nucleic Acids Res** 1986 Sep 11;14(17):7071–82

Overlapping cDNA clones define the complete coding region for the P210c-abl gene product associated with chronic myelogenous leukemia cells containing the Philadelphia chromosome [published erratum appears in Proc Natl Acad Sci USA 1987 Apr;84(8):2507] Mes-Masson AM, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9768–72

Phorbol ester-induced growth arrest of murine myelomonocytic leukemic cells with virus-disrupted myb locus is not accompanied by decreased myc and myb expression. Shen-Ong GL, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):199–203

The CML-specific P210 bcr/abl protein, unlike v-abl, does not transform NIH/3T3 fibroblasts. Daley GQ, et al. **Science** 1987 Jul 31;237(4814):532–5

Rapid identification of chromosomal abnormalities in human neoplasia. Babu A, et al. **Stain Technol** 1986 Sep;61(5):321–3

[DNA analysis of the Philadelphia chromosome: a useful application of molecular biology] Alitalo R, et al. **Duodecim** 1986;102(17):1203–9 (Eng. Abstr.) **(Fin)**

[Rearrangement of the short arm of chromosome 12 in chronic myelomonocytic leukemias] Tanzer J, et al. **Nouv Rev Fr Hematol** 1987;29(1):65–8 (Eng. Abstr.) **(Fre)**

[Molecular genetics of the pathogenesis and classification of chronic myelocytic leukemia] Bartram CR. **Onkologie** 1987 Jun;10(3):127–32 (Eng. Abstr.) **(Ger)**

[Mosaicism of the Philadelphia chromosome: description of 6 cases] Palka G, et al. **Pathologica** 1985 Sep–Oct; 77(1051):487–94 (Eng. Abstr.) **(Ita)**

[Familial chronic myeloid leukemia. Description of 2 cases in brothers] Spremolla G, et al. **Recenti Prog Med** 1987 Feb;78(2):69–72 (Eng. Abstr.) **(Ita)**

[Isochromosome i(22q-) confirmed by in situ hybridization of V-abl gene in a case of CML in blast crisis] Takimoto Y, et al. **Rinsho Ketsueki** 1986 Nov;27(11):2155–61 (Eng. Abstr.) **(Jpn)**

[A case of chronic myelomonocytic leukemia with monosomy 7] Yamamoto K, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1376–82 (Eng. Abstr.) **(Jpn)**

[Chromosomes and oncogenes in chronic myeloleukemia (on the 25th anniversary of the discovery of the Philadelphia chromosome)] Iavorkovskiĭ LI. **Ter Arkh** 1986;58(9):150–3 (40 ref.) **(Rus)**

[Does Ph1-negative chronic myeloid leukemia exist?] Cervantes F. **Med Clin (Barc)** 1986 Nov 8;87(15):630–2 **(Spa)**

[High-resolution banding in the cytogenetic analysis of chronic myeloid leukemia with a complex translocation] Aventín A, et al. **Sangre (Barc)** 1987;32(1):6–11 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Cytotoxicity of lymphocytes and antibodies against autologous tumor cells in patients with myeloid leukaemias and preleukaemic disorders. III. Stage-dependence of oncovirus-specific immune response. Szabó B, et al. **Acta Microbiol Hung** 1986;33(2):103–10

Distribution of immunoglobulin containing cells in human bone marrow of patients with leukemia. Suzuki K, et al. **Acta Pathol Jpn** 1987 Feb;37(2):193–9

Antigenic determinants on myeloid leukaemia colony-forming cells resemble those of normal myeloid progenitor cells and differ from those of circulating blast cells. Robak T, et al. **Br J Haematol** 1986 Sep;64(1):133–48

Natural killer (NK) cell immunodeficiency in patients with chronic myelogenous leukemia. II. Successful cloning and amplification of natural killer cells. Fujimiya Y, et al. **Cancer Immunol Immunother** 1987;24(3):213–20

Interleukin-2 corrects defective NK activity of patients with leukemia. Lotzová E, et al. **Comp Immunol Microbiol Infect Dis** 1986;9(2-3):169–75

Modulation of expression of class II histocompatibility antigens by secretion of a cellular inhibitor in K562 leukemic cells. Krief P, et al. **Eur J Immunol** 1987 Jul; 17(7):1021–5

A study of in vivo cell mediated immune status in patients of chronic myeloid leukaemia. Kapoor A, et al. **J Assoc Physicians India** 1986 Oct;34(10):709–11

Immunoperoxidase detection of myeloid antigens in glycolmethacrylate-embedded human bone marrow. Archimbaud E, et al. **J Histochem Cytochem** 1987 May; 35(5):595–9

Ki-M7 monoclonal antibody specific for myelomonocytic cell lineage and macrophages in human. Kreipe H, et al. **J Histochem Cytochem** 1987 Oct;35(10):1117–26

Modulation of the expression of HLA class II antigens by gamma interferon and phorbol ester TPA on myeloid leukaemic cell lines. Alonso MC, et al. **J Immunogenet** 1986 Apr-Jun;13(2-3):255–61

Serum reactivity to human T-cell leukaemia/lymphoma virus type I proteins in patients with large granular lymphocytic leukaemia. Starkebaum G, et al. **Lancet** 1987 Mar 14; 1(8533):596–9

Continuous or modulation expression of hematopoietic cell antigens in sublines of the leukemia cell line, K-562. Ichiki AT, et al. **Leuk Res** 1987;11(4):359–64

Production and characterization of a monoclonal antibody to a myeloid specific differentiation antigen. O'Connor R, et al. **Leuk Res** 1987;11(5):481–8

Expression of HLA class II determinants by normal and chronic myeloid leukemia progenitors. Piacibello W, et al. **Leuk Res** 1987;11(3):285–90

[Antibody-dependent cytotoxicity of lymphocytes in acute myeloblastic leukemia and chronic myelocytic leukemia] Tishchenko LM, et al. **Eksp Onkol** 1987;9(2):66–7 (Eng. Abstr.) **(Rus)**

[Delayed hypersensitivity reaction and its prognostic significance in patients with myelocytic leukemia] Turkina AG, et al. **Gematol Transfuziol** 1987 Jun;32(6):24–8 (Eng. Abstr.) **(Rus)**

[Immunologic phenotype of leukemia cells in children with myelocytic leukemia] Tupitsyn NP, et al. **Pediatriia** 1986 Aug;(8):25–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Imbalance in nucleotide pools of myeloid leukemia cells and HL-60 cells: correlation with cell cycle phase, cell proliferation and differentiation. de Korte D, et al. **Adv Exp Med Biol** 1986;195 Pt B:437–41

Difference in effects of alkyl-lysophospholipids and verapamil on vincristine transport in vincristine-sensitive and -resistant human myelogenous leukemia K562. Tsuruo T, et al. **Anticancer Res** 1987 Jan–Feb;7(1):39–43

Purification, properties, and immunological characterization of folate-binding proteins from human leukemia cells. Sadasivan E, et al. **Biochim Biophys Acta** 1987 Jul 16; 925(1):36–47

Regulation of transferrin receptor expression in myeloid leukemia cells. Taetle R, et al. **Blood** 1987 Sep;70(3):852–9

Membrane receptors for interleukin 2 on hematopoietic precursors in chronic myeloid leukemia. Visani G, et al. **Blood** 1987 Apr;69(4):1182–7

Recombinant human granulocyte colony-stimulating factor repairs the abnormalities of neutrophils in patients with myelodysplastic syndromes and chronic myelogenous leukemia. Yuo A, et al. **Blood** 1987 Aug;70(2):404–11

Decreased bone marrow iron in chronic granulocytic leukaemia: a consistent finding not reflecting iron deficiency. Cervantes F, et al. **Blut** 1986 Oct;53(4):305–8

Interleukin-1 producing ability of leukaemia cells and its relationship to morphological diagnosis. Furukawa Y, et al. **Br J Haematol** 1987 Jan;65(1):11–5

Contribution of drug transport and reductases to daunorubicin resistance in human myelocytic cells. Vasanthakumar G, et al. **Cancer Chemother Pharmacol** 1986;18(2):105–10

Cytotoxicity, DNA cross-linking, and single strand breaks induced by activated cyclophosphamide and acrolein in human leukemia cells. Crook TR, et al. **Cancer Res** 1986 Oct;46(10):5029–34

Glutathione depletion as a determinant of sensitivity of human leukemia cells to cyclophosphamide. Crook TR, et al. **Cancer Res** 1986 Oct;46(10):5035–8

Imbalance in the nucleotide pools of myeloid leukemia cells and HL-60 cells: correlation with cell-cycle phase, proliferation, differentiation, and transformation. de Korte D, et al. **Cancer Res** 1987 Apr 1;47(7):1841–7

Production of human hematopoietic survival and growth factor by a myeloid leukemia cell line (KPB-M15) and placenta as detected by a monoclonal antibody. Hiraoka A, et al. **Cancer Res** 1987 Oct 1;47(19):5025–30

Metabolism of 25-hydroxycholecalciferol in human promyelocytic leukemia cells (HL-60). Isolation and identification of (5Z)- and (5E)-19-nor-10-oxo-25-hydroxycholecalciferol. Ishizuka S, et al. **Eur J Biochem** 1986 Nov 17;161(1):233–9

Leukotriene production by fresh human bone marrow cells: evidence of altered lipoxygenase activity in chronic myelocytic leukemia. Stenke L, et al. **Exp Hematol** 1987 Feb;15(2):203–7

Cyclic AMP-like effects of polyamines on phosphatidylcholine synthesis and protein phosphorylation in human promyelocytic leukemia HL60 cells. Comparison with the effects of phorbol ester [published erratum appears in FEBS Lett 1987 Apr 20;214(2):375] Kiss Z, et al. **FEBS Lett** 1987 Mar 23;213(2):365–71

Detection of multiple forms of Gi alpha in HL60 cells. Murphy PM, et al. **FEBS Lett** 1987 Aug 31;221(1):81–6

Blood and urinary histamine levels in chronic myeloid leukemia. Singh RP, et al. **Indian J Cancer** 1986 Jun; 23(2):83–8

Dephosphorylation of "abp38" protein during the differentiation of mouse myeloid leukemia cells. Takagi K, et al. **J Biochem (Tokyo)** 1987 Jan;101(1):73–9

Characterization of "abp38" in cytoskeleton of mouse myeloid leukemia cells and distribution of abp38 in various tissues. Takagi K, et al. **J Biochem (Tokyo)** 1987 Jan;101(1):63–71

Cell surface receptor for hemopexin in human leukemia HL60 cells. Specific binding, affinity labeling, and fate of heme. Taketani S, et al. **J Biol Chem** 1987 Apr 5;262(10):4639–43

sn-1,2-Diacylglycerols and phorbol diesters stimulate thromboxane synthesis by de novo synthesis of prostaglandin H synthase in human promyelocytic leukemia cells. Goerig M, et al. **J Clin Invest** 1987 Mar;79(3):903–11

Two-dimensional analysis of metabolically and cell surface radiolabeled proteins of some human lymphoid and myeloid leukemia cell lines. II. Glycosylated and phosphorylated proteins. Chorváth B, et al. **Neoplasma** 1986;33(5):565–70

Two-dimensional analysis of metabolically and cell surface radiolabeled proteins of some human lymphoid and myeloid leukemia cell lines. I. 35S-methionine labeled, lactoperoxidase radioiodinated and 3H-reductively methylated proteins. Duraj J, et al. **Neoplasma** 1986; 33(5):555–64

Cell lines and peripheral blood leukocytes derived from individuals with chronic myelogenous leukemia display virtually identical proteins phosphorylated on tyrosine residues. Huhn RD, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4408–12

[Autocrine growth factor derived from human leukemia cells grown in a protein-free medium] Okabe T. **Tanpakushitsu Kakusan Koso** 1987 Jan;32(1):54–8 (12 ref.) **(Jpn)**

MORTALITY

Clinical findings and prognostic factors in chronic myeloid leukemias. Wedelin C, et al. **Acta Med Scand** 1986; 220(3):255–60

Prognostic factors and survival in chronic myelomonocytic leukaemia (CMML). Stark AN, et al. **Br J Cancer** 1987 Jul;56(1):59–63

A multivariate analysis of prognostic factors in chronic myelomonocytic leukaemia according to the FAB criteria. Ribera JM, et al. **Br J Haematol** 1987 Mar;65(3):307–11

OCCURRENCE

Coexistent lymphoid or plasma cell neoplasms [letter] [published erratum appears in Br J Haematol 1987 Jun;66(2):377] Stark AN, et al. **Br J Haematol** 1987 Mar; 65(3):376–7

[Study of chronic myeloid leukemia in children. Apropos of 8 personal cases with a review of the literature] Karoui M, et al. **Tunis Med** 1986 Nov;64(11):923–8 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Multiple blastic transformations in the course of chronic granulocytic leukaemia. le Roux I, et al. **Acta Haematol (Basel)** 1986;76(2–3):173–5

History of patients with chronic granulocytic leukaemia observed in 1974–1984. Kiss A, et al. **Acta Med Hung** 1986; 43(3):291–300

Blast crisis of chronic myelogenous leukemia. Morphologic and immunological features. Nemoto K, et al. **Acta Pathol Jpn** 1986 Oct;36(10):1441–54

Neutrophils with ring-shaped nuclei in chronic neutrophilic leukemia. Kanoh T, et al. **Am J Clin Pathol** 1986 Dec; 86(6):748–51

A hybrid eosinophilic-basophilic granulocyte in chronic granulocytic leukemia. Weil SC, et al. **Am J Clin Pathol** 1987 Jan;87(1):66–70

Nonleukemic granulocytic sarcoma of the heart: a report of a fatal case. Foucar K, et al. **Am J Hematol** 1987 Jul; 25(3):325–32

Maturation of B-lineage blast crisis cells in chronic myeloid leukemia. Ng CS, et al. **Am J Hematol** 1987 Jun;25(2):231–3

T-cell acute lymphoblastic leukemia relapsing as acute myelomonocytic leukemia and terminating possibly as chronic myelocytic leukemia. Shimizu J, et al. **Am J Hematol** 1987 Feb;24(2):199–205

Chronic myelomonocytic leukemia in a 15-year-old boy. Kojima S, et al. **Am J Pediatr Hematol Oncol** 1987 Spring; 9(1):23–6

The prognostic implication of clinical and histological features in Ph1+ chronic myelocytic leukaemia (CML). Thiele J, et al. **Anticancer Res** 1986 Nov–Dec;6(6):1401–9

Leukemia cutis in acute myelomonocytic leukemia. Preferential localization in a recent Hickman catheter scar. Baden TJ, et al. **Arch Dermatol** 1987 Jan;123(1):88–90

Infiltrated blue-gray plaques in a patient with leukemia. Chloroma (granulocytic sarcoma). Cohen PR, et al. **Arch Dermatol** 1987 Feb;123(2):251, 254

The partitioning behavior of K-562 cells associated with different stages of culture growth. Walter H, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):249–53

Studies of the effect of 1,25-dihydroxycholecalciferol on the proliferation and differentiation of the human promyelocytic leukaemia cell line HL-60. Djulbegović B, et al. **Biomed Pharmacother** 1986;40(10):407–16

Diversity of the effect of recombinant tumor necrosis factors alpha and beta on human myelogenous leukemia cell lines. Beran M, et al. **Blood** 1987 Mar;69(3):721–6

Early T cell differentiated chronic myeloid leukemia blast crisis with rearrangement of the breakpoint cluster region but not of the T cell receptor beta chain genes. Gramatzki M, et al. **Blood** 1987 Apr;69(4):1082–6

Clonal origin of erythroid cells in juvenile chronic myelogenous leukemia [letter] Inoue S, et al. **Blood** 1987 Mar;69(3):975–6

In vitro action of tumor necrosis factor on myeloid leukemia cells. Munker R, et al. **Blood** 1987 Apr;69(4):1102–8

CML patients in blast crisis have breakpoints localized to a specific region of the BCR. Schaefer-Rego K, et al. **Blood** 1987 Aug;70(2):448–55

Loss of myeloid differentiation antigens precedes blastic transformation in chronic myelogenous leukemia. Todd MB, et al. **Blood** 1987 Jul;70(1):122–31

Characterization of a new human diploid myeloid leukemia cell line (PLB-985) with granulocytic and monocytic differentiating capacity. Tucker KA, et al. **Blood** 1987 Aug; 70(2):372–8

Leukemic cell maturation: variability of the myeloid leukemic cell phenotype. Ross DW, et al. **Blood Cells** 1986; 12(1):139–51

Promyelocytic crisis of chronic myeloid leukaemia [letter] Emilia G, et al. **Br J Haematol** 1987 Jun;66(2):276–7

Chronic and subacute myelomonocytic leukaemia in the adult: a report of 60 cases with special reference to prognostic factors. Fenaux P, et al. **Br J Haematol** 1987 Jan;65(1):101–6

An autopsy study of 1206 acute and chronic leukemias (1958 to 1982). Barcos M, et al. **Cancer** 1987 Aug 15;60(4):827–37

The relevance of reticulin stain-measured fibrosis at diagnosis in chronic myelogenous leukemia. Dekmezian R, et al. **Cancer** 1987 May 15;59(10):1739–43

Granulocytic sarcoma of the prostate. Two cases causing urinary obstruction. Frame R, et al. **Cancer** 1987 Jan 1; 59(1):142–6

Obstructive jaundice. An unusual presentation of granulocytic sarcoma. King DJ, et al. **Cancer** 1987 Jul 1; 60(1):114–7

Successful treatment with chemotherapy and subsequent allogeneic bone marrow transplantation for myeloid blastic crisis of chronic myelogenous leukemia following advanced Hodgkin's disease. Punt CJ, et al. **Cancer** 1987 Sep 1; 60(5):934–5

Megakaryoblastic transformation of chronic granulocytic leukemia. Travis WD, et al. **Cancer** 1987 Jul 15; 60(2):193–200

Fluorodeoxyuridine synchronization of hemopoietic colonies. Fraser C, et al. **Cancer Genet Cytogenet** 1987 Jan;24(1):1–6

Modulation of cell growth, differentiation, and production of interleukin-3 by 1 alpha,25-dihydroxyvitamin D3 in the murine myelomonocytic leukemia cell line WEHI-3. Abe J, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6310–21

Changes in isoenzyme profiles during induction of differentiation in human myelomonocytic leukemia cell lines. Drexler HG, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6078–82

Use of high resolution in vivo volume selected 1H-magnetic resonance spectroscopy to investigate leukemia in humans. Irving MG, et al. **Cancer Res** 1987 Jul 15;47(14):3901–6

Reduction in protein tyrosine phosphorylation during differentiation of human leukemia cell line K-562. Richardson JM, et al. **Cancer Res** 1987 Aug 1; 47(15):4066–70

Erythroid differentiation and modulation of c-myc expression induced by antineoplastic drugs in the human leukemic cell line K562. Tonini GP, et al. **Cancer Res** 1987 Sep 1;47(17):4544–7

Effects of recombinant human tumor necrosis factor on highly enriched hematopoietic progenitor cell populations from normal human bone marrow and peripheral blood and bone marrow from patients with chronic myeloid leukemia. Wisniewski D, et al. **Cancer Res** 1987 Sep 15; 47(18):4788–94

Differentiation of myeloid cells in liquid culture: 2. Acute myelocytic leukemia cells. Archimbaud E, et al. **Cell Biochem Funct** 1987 Jul;5(3):157–66

Long term growth of factor-producing lymphoid and myeloid cells in serum-free medium. Tanno Y, et al. **Cell Struct Funct** 1986 Sep;11(3):209–17

Pulmonary involvement in Sweet's syndrome (acute febrile neutrophilic dermatosis). Preleukemic and leukemic phases of acute myelogenous leukemia. Lazarus AA, et al. **Chest** 1986 Dec;90(6):922–4

Echocardiographic evidence of intrathoracic masses due to localized blast crisis in a patient affected by chronic granulocytic leukemia. Mancuso L, et al. **Clin Cardiol** 1986 Sep;9(9):461–3

Myeloid hyperplasia in the SENCAR mouse: differentiation from granulocytic leukemia. Long RE, et al. **Environ Health Perspect** 1986 Sep;68:117–23

Control of HL-60 monocytic differentiation. Different pathways and uncoupled expression of differentiation markers. Yen A, et al. **Exp Cell Res** 1987 Jan;168(1):247–54

Megakaryocytic development in liquid cultures of cryopreserved leukocyte stem cell concentrates from chronic myelogenous leukemia patients. Berthier R, et al. **Exp Hematol** 1987 Aug;15(7):750–8

Effect of recombinant gamma interferon on chronic myelogenous leukemia bone marrow progenitors. McGlave P, et al. **Exp Hematol** 1987 May;15(4):331–5

Erythroid- and myeloid-lineage involvement in chronic myelomonocytic leukemia. Sato Y, et al. **Exp Hematol** 1987 May;15(4):316–22

Human chronic myeloid leukemic cell line with positive Philadelphia chromosome exhibits megakaryocytic and erythroid characteristics. Seigneurin D, et al. **Exp Hematol** 1987 Sep;15(8):822–32

Enhanced c-fos expression in differentiated monomyelocytic cells is associated with differentiation and not with the position of the differentiated cells in the cell cycle. Tsuda H, et al. **Exp Hematol** 1987 Jul;15(6):700–3

Induction by recombinant human granulocyte colony-stimulating factor of differentiation of mouse myeloid leukemic M1 cells. Tomida M, et al. **FEBS Lett** 1986 Oct 27;207(2):271–5

Cell lineage switches in blast crisis of a Ph1 positive chronic granulocytic leukemia. Gonzalez M, et al. **Haematologica (Pavia)** 1987 May-Jun;72(3):249–51

Induction of differentiation in chronic myelocytic leukaemia cells by the phorbolester TPA. Drexler HG, et al. **Hematol Oncol** 1986 Jul-Sep;4(3):227–36

Cytosine arabinoside in the management of recurrent leukaemia. Ganesan TS, et al. **Hematol Oncol** 1987 Jan-Mar;5(1):65–9

Acute myelofibrosis and multiple chloromas of the mandible and skin. Saleh MN, et al. **Int J Oral Maxillofac Surg** 1987 Feb;16(1):108–11

Autostimulatory mechanisms in myeloid leukemogenesis. Schrader JW, et al. **J Cell Biochem** 1987 May;34(1):39–46

1,25-Dihydroxycholecalciferol-induced differentiation of myelomonocytic leukemic cells unresponsive to colony stimulating factors and phorbol esters. Bettens F, et al. **J Cell Physiol** 1986 Dec;129(3):295–302

Interactions of dimethyl sulfoxide and granulocyte-macrophage colony-stimulating factors on the growth and maturation of HL-60 cells. Brennan JK, et al. **J Cell Physiol** 1987 Aug;132(2):246–54

Induction of HL-60 differentiation by starvation for a single essential amino acid but not by protein synthesis inhibitors. Pilz RB, et al. **J Clin Invest** 1987 Mar;79(3):1006–9

Unusual myeloid leukaemia in patient with Hodgkin's disease. Horton MA, et al. **J Clin Pathol** 1987 Jun;40(6):638–41

Biochemical and morphological characterization of basophilic leukocytes from two patients with myelogenous leukemia. Rothenberg ME, et al. **J Immunol** 1987 Apr 15; 138(8):2616–25

Flow cytometric analysis of platelet surface glycoproteins: phenotypically distinct subpopulations of platelets in children with chronic myeloid leukemia. Michelson AD. **J Lab Clin Med** 1987 Sep;110(3):346–54

Granulocytic sarcoma of the mandible. Timmis DP, et al. **J Oral Maxillofac Surg** 1986 Oct;44(10):814–8

Mucocutaneous granulocytic sarcomas of the head and neck. Dreizen S, et al. **J Oral Pathol** 1987 Feb;16(2):57–60

The effect of estradiol on human myelomonocytic cells. II. Mechanism of enhancing activity of colony formation. Barak V, et al. **J Reprod Immunol** 1986 Dec;9(4):355–63

Granulocytic sarcoma of the intestine as a primary manifestation nine months prior to overt acute myelogenous leukemia. Toki H, et al. **Jpn J Clin Oncol** 1987 Mar;17(1):79–85

Human serum-dependent survival of GM-CFCs in vitro from patients with chronic granulocytic leukemia. Frassoni F, et al. **Leuk Res** 1987;11(1):3–6

Effect of platelet-derived growth factor on enriched populations of haemopoietic progenitors from patients with chronic myeloid leukaemia. Katz FE, et al. **Leuk Res** 1987; 11(4):339–44

Regulation of in-vivo differentiation of myeloid leukemic cells by antigen-specific helper T lymphocytes. Lotem J, et al. **Leuk Res** 1986;10(10):1165–8

Ph1-positive CML-derived myeloid-monocytoid precursor cell line producing substance(s) that stimulates normal CFU-C. Mori T, et al. **Leuk Res** 1987;11(3):241–9

Differentiation-associated carbohydrate chain on human hematopoietic cells recognized by Clerodendron trichotomum lectin. Shichijo S, et al. **Leuk Res** 1987; 11(7):603–8

Blast crisis—reversing the direction [editorial] Desforges JF, et al. **N Engl J Med** 1986 Dec 4;315(23):1478–80

Preliminary observations on the therapy of the myeloid blast phase of chronic granulocytic leukemia with plicamycin and hydroxyurea. Koller CA, et al. **N Engl J Med** 1986 Dec 4;315(23):1433–8

Blast crisis in chronic myelocytic leukemia with blasts expressing both lymphoid and myeloid antigens. Kita K, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Jul;49(4):885–93

Promyelocytic crisis of chronic myelogenous leukemia: coagulopathy similar to atypical disseminated intravascular coagulation in acute promyelocytic leukemia. Komatsu N, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Jul;49(4):894–9

Rapidly progressive myelomonocytic leukemia (juvenile CML). Bacon DR, et al. **Pediatr Pathol** 1986;6(4):385–92

Bone marrow in leukemia and aplastic anemia: MR imaging before, during, and after treatment. McKinstry CS, et al. **Radiology** 1987 Mar;162(3):701–7

Granulocytic sarcoma of the kidney in a patient with acute myelomonocytic leukaemia. A case report. Klein B, et al. **S Afr Med J** 1986 Nov 22;70(11):696–8

Induction of cytotoxic capacity by recombinant gamma interferon in human myelomonocytic leukaemia cell lines [published erratum appears in Scand J Immunol 1987 Jun;25(6):645] Kuosmanen M, et al. **Scand J Immunol** 1987 Mar;25(3):219–23

The effect of tunicamycin on target cell susceptibility to natural killer cell cytotoxicity. Nose M, et al. **Scand J Immunol** 1987 Feb;25(2):149–57

Staining of chronic granulocytic leukemia cells with Telon Fast Red AFG. Kass L. **Stain Technol** 1987 Mar; 62(2):127–8

[In vitro studies of the cell cycle of mouse myelomonocytic leukemia using a fluorescence activated cell sorter and autoradiography] Gao FM, et al. **Chung Hua Chung Liu Tsa Chih** 1987 Jan;9(1):10–3 (Eng. Abstr.) **(Chi)**

[Involvement of the central nervous system in chronic myeloid leukemia] Voglová J, et al. **Vnitr Lek** 1987 Apr; 33(4):361–6 (Eng. Abstr.) **(Cze)**

[Treatment of acute relapse of chronic myeloid leukemia] Voglová J, et al. **Vnitr Lek** 1986 Aug;32(8):797–802 (Eng. Abstr.) **(Cze)**

[Differentiation of human malignant myeloid and lymphoid cells] Degos L. **Nouv Rev Fr Hematol** 1987;29(1):37–41 (Eng. Abstr.) **(Fre)**

[Primary extramedullary tumor-forming myeloid leukemia (chloroma)—an often mistaken diagnosis] Fuchs R, et al. **Med Klin** 1987 Mar 13;82(5):210–3 **(Ger)**

[Clinicopathologic conference. The so-called acceleration phase of chronic myeloid leukemia (CML)] Zankovich R, et al. **Med Klin** 1986 Apr 1;81(7):245–50 **(Ger)**

[A differentiation potency of blasts in chronic myelogenous leukemia in blastic crisis to megakaryocytic lineage] Sato T, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Nov; 49(7):1360–7 (Eng. Abstr.) **(Jpn)**

[Quadriplegia and cranial nerve palsy during treatment by vincristine in blastic crisis of chronic myelocytic leukemia:

report of an autopsy case] Fujishita M, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1437–42 (Eng. Abstr.) **(Jpn)**

[Severe hypophosphatemia in a patient with chronic myeloid leukemia in blast crisis] Hirokawa M, et al. **Rinsho Ketsueki** 1987 Feb;28(2):228–32 (Eng. Abstr.) **(Jpn)**

[Refractory anemia with excess of blasts accompanied by paraproteinemia and chromosome abnormality of 1q– trisomy, transformed to acute myelogenous leukemia] Maekawa T, et al. **Rinsho Ketsueki** 1987 Jan;28(1):112–7 (Eng. Abstr.) **(Jpn)**

[Childhood chronic myelogenous leukemia with blastic crisis showing pre-B cell and myelocytic phenotypes] Nakadate H, et al. **Rinsho Ketsueki** 1987 Jan;28(1):76–80 (Eng. Abstr.) **(Jpn)**

[Primary acquired sideroblastic anemia terminating in chronic myelomonocytic leukemia] Nakase K, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1432–6 (Eng. Abstr.) **(Jpn)**

[Mechanisms of resistance of anticancer drugs and trials for overcoming their resistance] Nobori T, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1460–7 (Eng. Abstr.) **(Jpn)**

[A case of chronic myelogenous leukemia who survived for more than 3 years after sequential lymphoid and myeloid crises and pre-B cell CNS involvement] Shimizu S, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1869–73 (Eng. Abstr.) **(Jpn)**

[An autopsy case of chronic neutrophilic leukemia—with special reference to the origin of leukemic cells] Takenaka T, et al. **Rinsho Ketsueki** 1986 Jun;27(6):903–9 (Eng. Abstr.) **(Jpn)**

[A case of chronic myelocytic leukemia with B-lymphoid crisis responding to the VP therapy followed by lymphoid-myeloid crisis] Tomiyama J, et al. **Rinsho Ketsueki** 1987 Mar;28(3):434–40 (Eng. Abstr.) **(Jpn)**

[Pulmonary changes in myelocytic leukemia] Gola A, et al. **Pol Tyg Lek** 1986 Oct 27;41(43):1373–5 (Eng. Abstr.) **(Pol)**

[Comparative characteristics of lymphoid blast crisis in myelocytic leukemia and lymphoblastic leukemia in children with ph' chromosome] Makhonova LA, et al. **Gematol Transfuziol** 1987 Jun;32(6):13–7 (Eng. Abstr.) **(Rus)**

[Extramedullary manifestations of blast crisis in chronic myeloleukemia] Volkova MA, et al. **Ter Arkh** 1986; 58(9):141–4 (Eng. Abstr.) **(Rus)**

[Coexistence of chronic myeloid leukemia and T lymphoma in a female patient] Feliu Batlle J, et al. **Rev Clin Esp** 1987 Feb;180(3):155–7 (Eng. Abstr.) **(Spa)**

[Granulocytic sarcoma (chloroma) with bladder and breast localizations preceding acute myeloblastic leukemia] Merino Moreno J, et al. **Rev Clin Esp** 1987 Mar; 180(5):260–3 (Eng. Abstr.) **(Spa)**

[Basophilic leukemia] Lobato-Mendizábal E, et al. **Rev Invest Clin** 1987 Jan-Mar;39(1):63–6 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Periodical appearance of erythropoietin-independent erythropoiesis in chronic myelogenous leukemia with cyclic oscillation. Umemura T, et al. **Acta Haematol (Basel)** 1986;76(4):230–4

Acral lividosis—a sign of myeloproliferative diseases. Hyperleukocytosis syndrome in chronic myelogenous leukemia. Frankel DH, et al. **Arch Dermatol** 1987 Jul; 123(7):921–4

Differential endocytosis of fluorescein iso-thiocyanate-concanavalin A by normal and chronic myeloid leukemic granulocytes. Zingde SM, et al. **Blut** 1987 Aug;55(2):81–8

Granulocyte colony-stimulating factor and differentiation-induction in myeloid leukemic cells. Nicola NA. **Int J Cell Cloning** 1987 Jan;5(1):1–15 (48 ref.)

Elevation of a potassium current in differentiating human leukemic (HL-60) cells. Wieland SJ, et al. **J Cell Physiol** 1987 Aug;132(2):371–5

[Effect of busulfan-treated granulocytic leukemia on pregnancy, labor and the somatic condition of the newborn infant] Szmigiel Z, et al. **Przegl Lek** 1986;43(9):632–4 **(Pol)**

RADIOGRAPHY

CT myelography of subarachnoid leukemic infiltration of the lumbar thecal sac and lumbar nerve roots. McAllister MD, et al. **AJNR** 1987 May-Jun;8(3):568–9

Intracerebral chloromas. Report of a case and review of the literature. Woo E, et al. **Clin Neurol Neurosurg** 1986; 88(2):135–9

Granulocytic sarcoma (chloroma) of bone: the CT appearance. Libson E, et al. **Comput Radiol** 1986 Jul-Aug; 10(4):175–8

Intracerebral chloromas: unusual computed tomography appearance of leukemic infiltration. Woo E, et al. **J Comput Tomogr** 1986 Oct;10(4):365–7

Case report 432: Granulocytic sarcoma (GS), with hypereosinophilic syndrome (HES). Xipell JM, et al. **Skeletal Radiol** 1987;16(5):425–7

RADIOTHERAPY

Evidence following splenic radiotherapy for a highly dynamic traffic of CFU-GM between the spleen and other organs in chronic granulocytic leukaemia. Morris TC, et al. **Leuk Res** 1987;11(2):109–17

SURGERY

Bone marrow transplantation for chronic granulocytic leukemia. Bacigalupo A, et al. **Cancer** 1986 Nov 15; 58(10):2307–11

[Early splenectomy in chronic granulocytic leukemia. 15 years' experience] Avilés A, et al. **Sangre (Barc)** 1986; 31(6):677–84 (Eng. Abstr.) **(Spa)**

THERAPY

Splenic enlargement and hyperfunction as indications for splenectomy in chronic leukemia. Mentzer SJ, et al. **Ann Surg** 1987 Jan;205(1):13–7

Experience with bone marrow transplantation for severe aplastic anemia and leukemia. Two years experience with 31 patients in Zagreb (Yugoslavia). Labar B, et al. **Biomed Pharmacother** 1986;40(9):332–7

Molecular analysis of relapse in chronic myeloid leukemia after allogeneic bone marrow transplantation. Ganesan TS, et al. **Blood** 1987 Sep;70(3):873–6

Histocompatible unrelated volunteer donors compared with HLA nonidentical family donors in marrow transplantation for aplastic anemia and leukemia. Hows JM, et al. **Blood** 1986 Dec;68(6):1322–8

Unrelated donor bone marrow transplantation therapy for chronic myelogenous leukemia. McGlave P, et al. **Blood** 1987 Sep;70(3):877–81

Variables influencing the timing of marrow transplantation in patients with chronic myelogenous leukemia. Segel GB, et al. **Blood** 1986 Nov;68(5):1055–64

Molecular analysis of interferon-induced suppression of Philadelphia chromosome in patients with chronic myeloid leukemia. Yoffe G, et al. **Blood** 1987 Mar;69(3):961–3

Persistence of recipient cells after syngeneic BMT of Ph-positive CML [letter] Becher R, et al. **Blut** 1987 May; 54(5):317–8

Transplantation of bone marrow with constitutional chromosomal anomalies. Cytogenetic studies and clinical implications. Becher R, et al. **Blut** 1986 Oct;53(4):341–6

Allogeneic bone marrow transplantation as primary therapy for chronic myelomonocytic leukemia. Forman SJ, et al. **Blut** 1987 Mar;54(3):189–92

Alpha 2 interferon in chronic myeloid leukaemia following relapse post-allogeneic transplant [letter] Newland AC, et al. **Br J Haematol** 1987 May;66(1):141–3

Chronic myelogenous leukaemia: haematological remissions with alpha interferon. Talpaz M, et al. **Br J Haematol** 1986 Sep;64(1):87–95

Monosomy 21, partial duplication of chromosome 11, and structural abnormality of chromosome 1q21 in a case of lymphoma developing in a transplant recipient: characteristic abnormalities of secondary lymphoma? Cabanillas F, et al. **Cancer Genet Cytogenet** 1987 Jan; 24(1):7–10

Immunological reconstitution after bone marrow transplant with Campath-1 treated bone marrow. Parreira A, et al. **Clin Exp Immunol** 1987 Jan;67(1):142–50

Toxoplasmosis after bone marrow transplantation. Beelen DW, et al. **Hamatol Bluttransfus** 1987;30:574–8

Bone marrow transplantation for chronic granulocytic leukemia: results of the French Cooperative Group (GEGMO). Devergie A, et al. **Hamatol Bluttransfus** 1987; 30:567–70

Allogeneic marrow transplantation for treatment of leukemia: results of the Munich Cooperative Group. Kolb HJ, et al. **Hamatol Bluttransfus** 1987;30:204–12

Bone marrow transplantation in childhood leukemia in West Germany. Niethammer D, et al. **Hamatol Bluttransfus** 1987; 30:217–25

Interferon alfa-2b in the treatment of chronic granulocytic leukemia. Bergsagel DE, et al. **Invest New Drugs** 1987;5 Suppl:S9–17

Treatment of chronic myelogenous leukemia with recombinant interferon alfa-2b. Niederle N, et al. **Invest New Drugs** 1987;5 Suppl:S19–25

Therapy of chronic myelogenous leukemia with allogeneic bone marrow transplantation. McGlave P, et al. **J Clin Oncol** 1987 Jul;5(7):1033–40

Therapeutic modalities for central nervous system involvement by granulocytic sarcoma (chloroma) in children with acute nonlymphocytic leukemia. Takaue Y, et al. **J Neurooncol** 1987;4(4):371–81

Programming of bone marrow donor for a leukaemic sibling [letter] Burgio GR, et al. **Lancet** 1987 Jun 27;1(8548):1484–5

Standard conditioning regimen and T-depleted donor bone marrow for transplantation in chronic myeloid leukemia. Papa G, et al. **Leuk Res** 1986;10(12):1469–75

Treatment of the blast phase of chronic myelogenous leukemia [letter] Thomas ED. **N Engl J Med** 1987 Jun 11; 316(24):1550

The treatment of acute leukaemia in adults: a perspective. Hagenbeek A, et al. **Neth J Med** 1987 Feb;30(1-2):51–3

Management of chronic myeloid leukaemia. Goldman JM. **Scand J Haematol** 1986 Oct;37(4):269–79 (46 ref.)

Stem cell autografting for chronic granulocytic leukemia [letter] Reiffers J, et al. **Scand J Haematol** 1986 Sep; 37(3):267–8

Interferon alfa-2b in the treatment of chronic granulocytic leukemia. Bergsagel DE, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 2):29–34

Interferon alfa-2b in the treatment of chronic myelogenous leukemia. Niederle N, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 2):29–35

Recovery after bone-marrow transplantation performed without previous radiotherapy in blastic phase of chronic granulocytic leukaemia. Kelemen E, et al. **Ther Hung** 1985; 33(4):181–5

European experience of bone marrow transplantation for leukemia. Ringdén O, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2600–4

Graft-versus-leukemia in the rat—the antileukemic efficacy of syngeneic and allogeneic graft-versus-host disease. Tutschka PJ, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2668–73

Graft rejection in recipients of T-cell-depleted HLA-nonidentical marrow transplants for leukemia. Identification of host-derived antidonor allocytotoxic T lymphocytes. Kernan NA, et al. **Transplantation** 1987 Jun; 43(6):842–7

[Allogenic bone marrow grafts in chronic myeloid leukemia] Devergie A, et al. **Nouv Rev Fr Hematol** 1987;29(1):69–72 (Eng. Abstr.) **(Fre)**

[Detection of nephrotoxicity of human alpha 2b interferon with special reference to the analysis of urine enzymes in patients with chronic myeloid leukemia] Kurschel E, et al. **Klin Wochenschr** 1987 Jul 15;65(14):667–72 (Eng. Abstr.) **(Ger)**

[Conventional treatment versus bone marrow transplantation in chronic myeloid leukemia. Prognosis and course of conventional treatment] Hehlmann R. **Verh Dtsch Ges Inn Med** 1986;92:426–31 **(Ger)**

[Prognosis and course of bone marrow transplantation] Ostendorf P. **Verh Dtsch Ges Inn Med** 1986;92:431–4 **(Ger)**

[Patient information—a communication problem] Raspe HH. **Verh Dtsch Ges Inn Med** 1986;92:448–51 **(Ger)**

[Bone marrow transplantation in chronic myeloid leukemia—experiences in 16 patients] Hinterberger-Fischer M, et al. **Wien Klin Wochenschr** 1987 Apr 3;99(7):222–7 (Eng. Abstr.) **(Ger)**

[Bone marrow transplantation in pediatric patients: review of progress] Inoue S. **Gan To Kagaku Ryoho** 1987 Apr; 14(4):994–1003 (72 ref.) **(Jpn)**

[Bone marrow transplantation after intensive chemotherapy] Masaoka T. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1650–5 (Eng. Abstr.) **(Jpn)**

[Timing of allogeneic bone marrow transplantation in chronic myelogenous leukemia patients] Taoka T, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2261–6 (Eng. Abstr.) **(Jpn)**

[Results of splenectomy with polychemotherapy in the treatment of 15 chronic myeloid leukemia patients] Mendeleev IM, et al. **Ter Arkh** 1986;58(9):84–8 (Eng. Abstr.) **(Rus)**

[A case of successful transplantation of allogeneic bone marrow in a patient with myelocytic leukemia] Pushkareva ST, et al. **Ter Arkh** 1987;59(6):14–8 (Eng. Abstr.) **(Rus)**

[High-dose cyclophosphamide and whole-body radiotherapy followed by bone marrow transplant in patients with leukemia] Fernández-Rañada JM, et al. **Rev Clin Esp** 1987 Mar;180(5):247–52 (Eng. Abstr.) **(Spa)**

VETERINARY

Pulmonary aspergillosis in a horse with myelomonocytic leukemia. Blue J, et al. **J Am Vet Med Assoc** 1987 Jun 15;190(12):1562–4

LEUKEMIA, MYELOCYTIC, ACUTE see **LEUKEMIA, MYELOBLASTIC**

LEUKEMIA, MYELOCYTIC, CHRONIC see **LEUKEMIA, MYELOCYTIC**

LEUKEMIA, MYELOGENOUS, CHRONIC see **LEUKEMIA, MYELOCYTIC**

LEUKEMIA, MYELOMONOCYTIC see **LEUKEMIA, MYELOCYTIC**

LEUKEMIA, NAEGELI TYPE see **LEUKEMIA, MYELOCYTIC**

LEUKEMIA P388 see under **LEUKEMIA, EXPERIMENTAL**

LEUKEMIA, PLASMACYTIC

COMPLICATIONS

Plasma cell leukemia with meningeal involvement. Simons M, et al. **NY State J Med** 1986 Oct;86(10):539–40

[Secondary plasma cell leukemia (a multi-parameter study)] Pap T, et al. **Orv Hetil** 1987 Jan 25;128(4):197–201 **(Hun)**

[Contemporaneous presentation of plasma cell leukemia and multiple myeloma. Description of a clinical case with a biclonal component] Pasqualetti P, et al. **Minerva Med** 1987 Jul 15;78(13):907–10 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

[Acute plasmablastic leukemia in multiple myeloma] Solov'eva EA, et al. **Ter Arkh** 1986;58(9):36–40 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Complete remission in plasma cell leukaemia [letter] Krsnik I, et al. **Br J Haematol** 1987 May;66(1):145

FAMILIAL & GENETIC

Plasma cell leukemia with an unusual karyotype and prolonged survival following oral alkylating agent therapy. Wiernik PH, et al. **J Cancer Res Clin Oncol** 1987; 113(5):495–7

An 8;14 translocation in a case of plasma cell leukemia. Copplestone JA, et al. **Leuk Res** 1987;11(7):655–9

[A 14q+ marker chromosome due to t(11;14) in a case of nonsecretory plasma cell leukemia] Fukushima Y, et al. **Rinsho Ketsueki** 1986 Nov;27(11):2124–30 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Cranial nerve palsy as the presenting feature of secondary plasma cell leukemia. Bruyn GA, et al. **Cancer** 1987 Aug 15;60(4):906–9

Establishment and characterization of a human IgA–kappa–secreting plasma cell line (MT3). Donelli A, et al. **Int J Cancer** 1987 Sep 15;40(3):383–8

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 20–1987. A 45–year–old dairy farmer with plasma–cell leukemia and a recent pulmonary infiltrate. **N Engl J Med** 1987 May 14; 316(20):1259–67

[IgA–lambda plasma cell leukemia with gum infiltration and pleural effusion] Iseki T, et al. **Rinsho Ketsueki** 1987 Mar; 28(3):428–33 (Eng. Abstr.) **(Jpn)**

LEUKEMIA, RADIATION–INDUCED

Philadelphia chromosome–positive acute lymphoblastic leukaemia following radiotherapy for carcinoma of the cervix. Archimbaud E, et al. **Acta Haematol (Basel)** 1987; 77(4):238–40

Selecting presumably radiogenic cancers for compensation [letter] Johnson CJ. **Am J Public Health** 1987 Jan; 77(1):93–4

Effects of radiation and other influences on chemical lymphomagenesis. Seidel HJ. **Int J Radiat Biol** 1987 Jun; 51(6):1041–8

Carcinogenic and co–carcinogenic effects of radiation in rat mammary carcinogenesis and mouse T–cell lymphomagenesis: a review. Yokoro K, et al. **Int J Radiat Biol** 1987 Jun;51(6):1069–80 (47 ref.)

Leukemia and groundwater contamination [letter] Lyman GH, et al. **JAMA** 1986 Nov 21;256(19):2676–7

ETIOLOGY

New estimates of radioactive discharges from Sellafield [letter] Jakeman D. **Br Med J [Clin Res]** 1986 Sep 20; 293(6549):760

Childhood leukaemia and radioactive discharges at Sellafield [letter] Jakeman D. **Br Med J [Clin Res]** 1986 Nov 1; 293(6555):1174

Childhood leukemia and radioactive discharges at Seascale [letter] Mole RH. **Br Med J [Clin Res]** 1986 Oct 11; 293(6552):953

Secondary myelodysplastic syndromes and leukaemias. Levine EG, et al. **Clin Haematol** 1986 Nov;15(4):1037–80 (155 ref.)

The induction by 239Pu of myeloid leukaemia and osteosarcoma in female CBA mice. Humphreys ER, et al. **Int J Radiat Biol** 1987 Feb;51(2):331–9

Cf–252 leukemogenesis in the C57BL mouse. Feola JM, et al. **Int J Radiat Oncol Biol Phys** 1987 Jan;13(1):69–74

Preleukemia following large dose radioiodide therapy for metastatic thyroid carcinoma. Yoosufani Z, et al. **J Nucl Med** 1987 Aug;28(8):1348–50

Late effects of use of nuclear and certain chemical weapons in man. Dienstbier Z. **Med War** 1985 Jan–Apr;1(1):25–30

Effects of low level radiation upon the hematopoietic stem cell: implications for leukemogenesis. Cronkite EP, et al. **Radiat Environ Biophys** 1987;26(2):103–14

Myeloid leukemia in male RFM mice following irradiation with fission spectrum neutrons or gamma rays. Ullrich RL, et al. **Radiat Res** 1987 Jan;109(1):165–70

The incidence of long–term side effects—in particular induced leukemias following treatment for Hodgkin's disease. De Renzis C, et al. **Rays** 1986 May–Aug; 11(2):109–13

Relationships between ionizing radiation, bone marrow transplantation and leukemogenesis. Piao CQ, et al. **Sci Sin [B]** 1987 Feb;30(2):161–8

Occupational leukemia. Landrigan PJ. **State Art Rev Occup Med** 1987 Jan–Mar;2(1):179–88 (67 ref.)

[Long–term hematologic changes caused by radioiodine treatment of thyroid cancer. II. Bone marrow changes including leukemia] Günter HH, et al. **Strahlenther Onkol** 1987 Jul;163(7):475–85 (Eng. Abstr.) **(Ger)**

[Mechanism of the leukemogenic action of ionizing radiation] Filiushkin IV, et al. **Vopr Onkol** 1986;32(11):28–35 (21 ref.) **(Rus)**

FAMILIAL & GENETIC

Bone marrow phenotype determines genetic resistance to RadLV–induced leukemia in radiation chimeric mice. St–Pierre Y, et al. **Leuk Res** 1987;11(3):307–9

IMMUNOLOGY

A highly leukemogenic radiation leukemia virus isolate is a thymotropic, immunosuppressive retrovirus with a unique RNA structure. Ben David Y, et al. **Int J Cancer** 1987 Apr 15;39(4):492–7

METABOLISM

Physiopathological studies on granulocyte–macrophage colony stimulating factor and multi colony stimulating factor producing leukemia, L8313, induced by irradiation of C3H mice. Sawada H, et al. **Leuk Res** 1986;10(12):1461–8

MICROBIOLOGY

[A minority of thymic lymphomas induced in the rat by a murine radioleukosis virus presents insertion in the vicinity of c–myc and a majority, a new nonviral polyadenylated RNA] Janowski M, et al. **C R Soc Biol (Paris)** 1987; 181(1):55–61 (Eng. Abstr.) **(Fre)**

MORTALITY

A cohort study of cancer incidence in Mormon families exposed to nuclear fallout versus an area–based study of cancer deaths in whites in southwestern Utah. Johnson CJ. **Am J Epidemiol** 1987 Jan;125(1):166–8

Cancer mortality and radioactive fallout in southwestern Utah. Machado SG, et al. **Am J Epidemiol** 1987 Jan; 125(1):44–61

Some recent statistical analyses of two long–term studies of exposure to ionizing radiation. Darby SC. **Stat Med** 1986 Sep–Oct;5(5):539–46

OCCURRENCE

Childhood leukemia in relation to nuclear establishments [letter] **Br Med J [Clin Res]** 1987 May 2;294(6580):1158–9

Childhood leukemia and nuclear establishments [letter] **Br Med J [Clin Res]** 1987 May 9;294(6581):1227–8

Leukemia and groundwater contamination [letter] O'Brien TR, et al. **JAMA** 1987 Jan 16;257(3):317

PATHOLOGY

Three cases of secondary leukemia. Clinicopathologic findings. Nemoto K, et al. **Acta Pathol Jpn** 1987 May; 37(5):817–30

Clonal origin of radiation–induced myeloid leukemia in mice with cellular mosaicism. Bessho M, et al. **Jpn J Cancer Res** 1987 Jul;78(7):670–3

Chronic radiation leukemogenesis: postnatal hematopathologic effects resulting from in–utero irradiation. Seed TM, et al. **Leuk Res** 1987;11(2):171–9

[Interaction of radiation–induced preleukemia cells and bone marrow grafts in C57BL/Ka mice] Humblet C, et al. **C R Soc Biol (Paris)** 1987;181(1):82–7 (Eng. Abstr.) **(Fre)**

[Relations between the capacity of thymic repeopling and the formation of lymphoma obtained by radiation–induced preleukemic cells in C57BL/Ka mice] Rongy AM, et al. **C R Soc Biol (Paris)** 1987;181(1):88–93 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Effects of marrow grafting on preleukemia cells and thymic nurse cells in C57BL/Ka mice after a leukemogenic split–dose irradiation. Defresne MP, et al. **JNCI** 1986 Nov; 77(5):1079–85

PREVENTION & CONTROL

Inhibition of the development of radiation–induced leukemia in mice by reduction of food intake. Gross L, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7928–31

LEUKEMIA, SCHILLING TYPE see **LEUKEMIA, MONOCYTIC**

LEUKEMIA, SMOULDERING see **ANEMIA, REFRACTORY, WITH EXCESS OF BLASTS**

LEUKEMIA VIRUS, AVIAN see **AVIAN LEUKOSIS VIRUSES**

LEUKEMIA VIRUS, HUMAN T–CELL see **HUMAN T–CELL LEUKEMIA VIRUS**

LEUKEMIC RETICULOENDOTHELIOSIS see **LEUKEMIA, HAIRY CELL**

LEUKEMOGENIC VIRUSES see **RETROVIRIDAE**

LEUKEMOID REACTION

BLOOD

Transient blastemia in phenotypically normal newborns. Jones GR, et al. **Am J Pediatr Hematol Oncol** 1987 Summer;9(2):153–7

[Leukocytosis, the leftward shift of the white blood picture and leukemoid reactions in the internal medicine clinic] Kürnolski I, et al. **Vutr Boles** 1987;26(2):99–103 (Eng. Abstr.) **(Bul)**

COMPLICATIONS

Pancytopenia and leukemoid reactions in tuberculosis. Chandra J, et al. **Indian J Pediatr** 1986 Sep–Oct;53(5):665–7

CONGENITAL

[Pseudoleukemic reaction in newborn infants] Wilk–Lachowicz B, et al. **Pediatr Pol** 1986 Dec; 61(12):814–5 **(Pol)**

ETIOLOGY

Unusual presentation of malaria as a leukaemoid reaction. A case report. Irving KG, et al. **S Afr Med J** 1987 May 2;71(9):597–8

[Long–term leukemoid reaction of the eosinophilic type] Arakcheev AI, et al. **Gematol Transfuziol** 1987 Jun; 32(6):58–60 **(Rus)**

[The post–splenectomy syndrome in thalassemia] Shamov IA. **Klin Med (Mosk)** 1987 Mar;65(3):139–40 **(Rus)**

PATHOLOGY

[Primary mediastinal localization of a neuroblastoma in a young man with leukemoid reaction] Marinov Kh, et al. **Vutr Boles** 1986;25(4):108–12 **(Bul)**

LEUKOCIDINS

ANALYSIS

[The cytopathic effect induced by strains of Pseudomonas aeruginosa producing hemolysin, leukocidin and proteases in Hep–2 cells] Zanetti S, et al. **Boll Ist Sieroter Milan** 1986;65(3):237–41 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Generation of immunity against Fusobacterium necrophorum in mice inoculated with extracts containing leucocidin. Emery DL, et al. **Vet Microbiol** 1986 Sep;12(3):255–68

LEUKOCYTAPHERESIS see **LEUKAPHERESIS**

LEUKOCYTE ADHERENCE INHIBITION TEST see under **IMMUNOLOGIC TECHNICS**

LEUKOCYTE ANTIGENS see **HISTOCOMPATIBILITY ANTIGENS**

LEUKOCYTE COUNT

Less than full [letter] Bessman D. **Am J Clin Pathol** 1987 Jun;87(6):789–90

Utility of the three–part leukocyte differential count. Duncan KL, et al. **Am J Clin Pathol** 1987 Sep;88(3):308–13

Hematologic parameters and leukocyte histogram patterns in infectious mononucleosis. Lofsness KG, et al. **Am J Clin Pathol** 1987 Apr;87(4):485–90

Normal T cell subsets in homosexual men living in a community without endemic AIDS. Rush TJ, et al. **Am J Med** 1986 Oct;81(4):584–90

Congenital and nosocomial sepsis in infants born in a regional perinatal unit: cause, outcome, and white blood cell response. Ohlsson A, et al. **Am J Obstet Gynecol** 1987 Feb; 156(2):407–13

Observation versus operation for abdominal pain in the right lower quadrant. Roles of the clinical examination and the leukocyte count [letter] Lavers GD. **Am J Surg** 1987 May; 153(5):448

The complete blood count and leukocyte differential count. An approach to their rational application. Shapiro MF, et al. **Ann Intern Med** 1987 Jan;106(1):65–74 (108 ref.)

Failure to show a fall in peripheral blood lymphocytes in patients receiving gold or penicillamine for rheumatoid arthritis [letter] Ishigami M, et al. **Ann Rheum Dis** 1987 Mar;46(3):262–3

T–cell subsets and natural killer cell function with squamous cell carcinoma of the head and neck. Strome M, et al. **Arch Otolaryngol Head Neck Surg** 1987 Oct;113(10):1090–3

The prognostic importance of myelosuppression in the response to chemotherapy and survival in advanced ovarian carcinoma. Sorbe B, et al. **Cancer** 1987 Feb 15; 59(4):690–4

Lung and blood lymphocyte subsets in asbestosis and in mixed dust pneumoconiosis. Costabel U, et al. **Chest** 1987 Jan;91(1):110–2

HLA–DR–linked genes are involved in the control of T lymphocyte blood levels. Caruso C, et al. **Clin Immunol Immunopathol** 1987 Aug;44(2):160–6

An assessment of the three–population differential count on the Coulter Counter Model S Plus IV. Bain BJ.

Clin Lab Haematol 1986;8(4):347–59
Factors producing error in the total leucocyte count as measured on the Coulter Counter S Plus IVD. Henderson SJ, et al. **Clin Lab Haematol** 1986;8(4):341–6
Automated leucocyte differential counts in chronic lymphocytic and hairy-cell leukaemias: a comparison of the Hemalog D, H6000 and Coulter S Plus IV. Lai AP, et al. **Clin Lab Haematol** 1987;9(2):169–74
The effect of haemoglobin on the Technicon H6000 eosinophil count [letter] Reardon DM, et al.
Clin Lab Haematol 1986;8(4):369–70
The effect of lumbar puncture procedure on blood glucose level and leukocyte count in infants. Shohat M, et al.
Clin Pediatr (Phila) 1987 Sep;26(9):477–9
Twenty-four hour changes in lysozyme levels, total plasma protein concentration, gamma-globulin concentration, white blood cell count and numbers of lymphocytes and granulocytes in the peripheral blood of chinchillas Chinchilla laniger M. and rabbits Oryctolagus cuniculus L. Jakubów K, et al. **Comp Biochem Physiol [A]** 1987; 86(1):109–12
Basic haematological values in carnivores—II. The Felidae. Pospíšil J, et al. **Comp Biochem Physiol [A]** 1987; 87(2):387–91
Leukocyte, lymphocyte and platelet response to dynamic exercise. Duration or intensity effect? Gimenez M, et al.
Eur J Appl Physiol 1986;55(5):465–70
Leucospermia and the fertilizing capacity of spermatozoa. Van der Ven HH, et al.
Eur J Obstet Gynecol Reprod Biol 1987 Jan;24(1):49–52
Smoking and the leucocyte count. Taylor RG.
Eur J Respir Dis 1987 Aug;71(2):65–8
Correlation of granulocyte intracellular activities of cyclic nucleotide phosphodiesterases with leukocyte count in patients with chronic myelogenous leukaemia. Naskalski JW, et al. **Haematologia (Budap)** 1986;19(4):285–92
Platelet count is positively correlated with white cell count and red cell count. Milner PC, et al. **Haemostasis** 1987; 17(4):211–6
Community practice and cancer clinical trials: III. Value of platelet and differential counts. Hall TC, et al.
Hawaii Med J 1986 Aug;45(8):262
In host defense, leukocytes that are counted may not count. Martin RR. **J Lab Clin Med** 1987 Apr;109(4):378–9
Influence of birthweight and method of delivery on white cell counts in the early neonatal period [letter] Ogala WN.
J Trop Pediatr 1986 Oct;32(5):269–70
Leukocytes and the risk of ischemic diseases. Ernst E, et al. **JAMA** 1987 May 1;257(17):2318–24 (82 ref.)
Occult blood and faecal leucocyte tests in acute infectious diarrhoea in children [letter] Paccagnini S, et al. **Lancet** 1987 Feb 21;1(8530):442
Similarity in white blood cell counts between white and black children with bacteremia. Kline MW, et al.
Pediatr Infect Dis 1986 Nov–Dec;5(6):636–9
Impaired sensitivity of a single early leukocyte count in screening for neonatal sepsis. Rozycki HJ, et al.
Pediatr Infect Dis J 1987 May;6(5):440–2
Lymphocyte numbers in endogenous depression. Murphy D, et al. **Psychol Med** 1987 May;17(2):381–5
Circadian variations of the absolute eosinophil count and serum histaminase activity in tropical pulmonary eosinophilia. Singh RK, et al. **Trop Geogr Med** 1987 Jan; 39(1):49–52
Enumeration of lymphocyte subpopulations in bronchoalveolar lavage of monkeys using an immunoenzymatic staining technique. Mason MJ, et al.
Vet Immunol Immunopathol 1986 Dec;13(4):347–55
[Cytology of the cerebrospinal fluid as an element in evaluating the course of pediatric meningitis] Lorthioir M, et al. **Ann Pediatr (Paris)** 1986 Sep;33(7):595–602 (Eng. Abstr.) **(Fre)**
[Effect of repeated leukaphereses on the lymphocytogram of blood donors] Laser J, et al.
Infusionsther Klin Ernahr 1987 Apr;14 Suppl 2:23–6 (Eng. Abstr.) **(Ger)**
[Leukocytes and erythrocytes in the urine of newborn infants] Knopke I, et al. **Kinderarztl Prax** 1986 Dec;54(12):671–5 (Eng. Abstr.) **(Ger)**
[Prognostic significance of leukocyturia in the neonatal period. A retrospective study] Zlanabitnig HP, et al.
Kinderarztl Prax 1987 Feb;55(2):97–101 (Eng. Abstr.) **(Ger)**
[Leukocyte content of erythrocyte concentrates without buffy coat] Mädler J. **Z Gesamte Inn Med** 1986 Jul 1; 41(13):372–4 (Eng. Abstr.) **(Ger)**
[Changes in leukocyte counts using a cellulose acetate membrane (FB-T) during hemodialysis. A comparison with a cuprophane membrane] Pak K, et al. **Hinyokika Kiyo** 1986 Sep;32(9):1231–5 (Eng. Abstr.) **(Jpn)**
[Informativeness of peripheral blood leukocyte ratio indices in bronchial asthma in children] Osin AIa, et al.
Lab Delo 1987;(2):35–9 (Eng. Abstr.) **(Rus)**
[Leukocyte ratios in the peripheral blood of children of various ages] Osin AIa. **Lab Delo** 1987;(6):427–30 (Eng. Abstr.) **(Rus)**
[Dynamics of changes in peripheral leukocytes and the proteinogram of golden hamsters infested with Opisthorchis felineus before and after treatment with praziquantel] Pereverzeva EV, et al.
Med Parazitol (Mosk) 1987 May–Jun;(3):57–60 (Eng. Abstr.) **(Rus)**
[Relation of the annual biorhythms of the leukocyte count in the peripheral blood of healthy persons to heliogeophysical rhythms (1)] Komarov FI, et al.
Voen Med Zh 1987 Mar;(3):27–32 **(Rus)**
[Importance of the eosinophil count in respiratory secretions of infants with recurrent obstructive bronchial syndrome] Mallol J, et al. **Bol Med Hosp Infant Mex** 1986 Aug; 43(8):510–4 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Changes in white peripheral blood count after application of strychninium nitricum into mammillary area of the hypothalamus. Luža J, et al.
Acta Univ Palacki Olomuc Fac Med 1986;114:139–47
Epinephrine-induced leukocytosis in acute asthma. Enberg R, et al. **Ann Allergy** 1986 Nov;57(5):337–9
Classically conditioned effects of cyclophosphamide on white blood cell counts in rats. Klosterhalfen S, et al.
Ann NY Acad Sci 1987;496:569–77
Tumor necrosis factor-induced alterations in circulating leukocyte populations. Remick DG, et al.
Biochem Biophys Res Commun 1986 Dec 15;141(2):818–24
Cyclophosphamide-induced eosinophilia in the rat: concomitant changes in T-cell subsets, B cells and large granular lymphocytes within lymphoid tissues. Thomson AW, et al. **Immunology** 1987 Mar;60(3):383–8
[Changes in lymphocyte subpopulations in relation to anesthesia procedure] Käbisch S, et al.
Anasth Intensivther Notfallmed 1986 Dec;21(6):327–32 (Eng. Abstr.) **(Ger)**
[Corticosteroid-dependent reduction of leukocyte count in blood as a prognostic factor in acute lymphoblastic leukemia in childhood (therapy study ALL-BFM 83)] Riehm H, et al. **Klin Padiatr** 1987 May–Jun;199(3):151–60 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Evaluation of the Coulter S-Plus IV three-part differential as a screening tool in a tertiary care hospital. Miers MK, et al. **Am J Clin Pathol** 1987 Jun;87(6):745–51
The H*1 hematology analyzer. Its performance characteristics and value in the diagnosis of infectious disease. Wenz B, et al. **Arch Pathol Lab Med** 1987 Jun; 111(6):521–4
Simple reagent modification of Technicon H6010C that permits processing of uraemic samples. Smith BK, et al.
J Clin Pathol 1986 Sep;39(9):1040–2
[Use of a device for resuspending cell agglomerates during the study of rosette-forming lymphocytes of human peripheral blood] Kuznetsova NI, et al. **Lab Delo** 1986; (9):571–2 **(Rus)**

METHODS

The white blood cell differential. Evaluation of rapid impression scanning versus the routine manual count. Arkin CF, et al. **Am J Clin Pathol** 1987 May;87(5):628–32
Comparison of four leukocyte differential methods with the National Committee for Clinical Laboratory Standards (NCCLS) reference method. Pierre RV, et al.
Am J Clin Pathol 1987 Feb;87(2):201–9
Evaluation of the automated leukocyte differential count in emergency department patients. Rimarenko S, et al.
Am J Emerg Med 1987 May;5(3):187–9
Evaluation of the eosinophil. Fine SR.
Bull NY Acad Med 1986 Sep;62(7):766–7
Suitability of solid-phase chemistry for quantification of leukocytes in cerebrospinal, seminal, and peritoneal fluid. López A, et al. **Clin Chem** 1987 Aug;33(8):1475–6
A microcomputer network for the differential leucocyte count and the registration of red blood cell morphology. Ketelaar R, et al. **Clin Lab Haematol** 1987;9(1):67–71
Detection of neutrophilocytes and NO2-producing bacteria in urine by dipstick BM-test-9. Kromann-Andersen B, et al. **Dan Med Bull** 1987 Jun;34(3):182–3
Modified technique of leucocyte count for eliminating time related alterations. Ramachandran CR.
Indian J Med Res 1986 Jul;84:118–20
The determination of the eosinophil count: comparison of two techniques. Laufer P, et al.
J Allergy Clin Immunol 1987 Mar;79(3):438–41
Rapid determination of CSF lymphocyte subsets by labeled microspheres. Guseo A. **J Neuroimmunol** 1986 Dec; 13(2):117–22
Spurious elevation of automated leukocyte counts induced by Fluosol DA 20%. Talley RL, et al.
Res Commun Chem Pathol Pharmacol 1987 Jan; 55(1):117–31
[Determination of the leukocyte poisoning index in blood preparations with a dry stain zone] Ambartsumian RG, et al. **Lab Delo** 1986;(9):534–5 (Eng. Abstr.) **(Rus)**
[Micromethod of determining B-lymphocytes in human peripheral blood] Chechura AN, et al. **Lab Delo** 1987; (5):382–3 (Eng. Abstr.) **(Rus)**
[Use of the lymphocytotoxic test in the quantitative evaluation of human T- and B-lymphocytes] Zotikov EA, et al. **Lab Delo** 1986;(10):601–4 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Leukocyte numbers in hemorrhaged Japanese quail after microwave irradiation in ovo. Clark MW, et al.
Comp Biochem Physiol [A] 1987;87(4):923–32
Leukocyte numbers during the humoral and cell-mediated immune response of Japanese quail after microwave irradiation in ovo. Gildersleeve RP, et al.
Comp Biochem Physiol [A] 1987;87(2):375–80

LEUKOCYTE CULTURE TEST, MIXED

Lactoferrin derived from neutrophils inhibits the mixed lymphocyte reaction. Slater K, et al. **Blood** 1987 May; 69(5):1328–33
The autologous mixed lymphocyte reaction and dendritic cells. Knight SC. **Br J Rheumatol** 1987 Apr;26(2):85–8
The syngeneic mixed leukocyte reaction: an autoreactive self-renewing cellular network for mature T lymphocytes. Dos-Reis GA. **Braz J Med Biol Res** 1986;19(1):1–9 (40 ref.)
Differential effect of cyclosporin-A on the mixed-lymphocyte culture-induced proliferative and cytotoxic responses of T lymphocytes with different cell densities. Bejarano MT, et al. **Cell Immunol** 1986 Dec; 103(2):409–16
Multiple sclerosis: I. Monocyte stimulatory defect in mixed lymphocyte reaction associated with clinical disease activity. Baxevanis CN, et al. **Clin Exp Immunol** 1987 Feb; 67(2):362–71
Immunoglobulin production in the autologous MLR: target of the suppressor-amplifier circuit. Gatenby PA, et al.
Clin Exp Immunol 1986 Aug;65(2):401–8
Generation of suppressor macrophages during the human autologous mixed lymphocyte reaction. Pretell JO, et al.
Clin Exp Immunol 1986 Jul;65(1):158–64
The inhibitory effect of granulocyte factor in mixed lymphocyte reaction. Zeman K, et al. **Immunobiology** 1986 Aug;172(1-2):1–10
H-2-linked genes determine the level of the primary in vitro anti-Mls response. Macphail S, et al. **Immunogenetics** 1986; 24(3):139–45
The role of transfected HLA-DQ genes in the mixed lymphocyte reaction-like condition. Nakatsuji T, et al.
Immunogenetics 1987;25(1):1–6
The bovine autologous Theileria mixed leucocyte reaction: influence of monocytes and phenotype of the parasitized stimulator cell on proliferation and parasite specificity. Goddeeris BM, et al. **Immunology** 1987 Jan;60(1):63–9
The relationship between the defect in the syngeneic mixed lymphocyte reaction and thymic abnormality in New Zealand mice. Minoda M, et al. **J Clin Lab Immunol** 1987 Jun;23(2):101–8
Analysis of responding lymphocyte subsets in allogeneic mixed lymphocyte cultures in the neonates and adults. Schneider H, et al. **J Clin Lab Immunol** 1986 Oct;21(2):97–9
The autologous mixed lymphocyte reaction (AMLR) as a possible indicator of immunoregulation in chronic inflammatory periodontal disease. Seymour GJ, et al.
J Clin Periodontol 1986 Aug;13(7):639–45 (89 ref.)
Production of a cytokine with interleukin 3-like properties and cytokine-dependent proliferation in human autologous mixed lymphocyte reaction. Suzuki R, et al.
J Exp Med 1986 Nov 1;164(5):1682–99
Nonresponsiveness to Mlsd in F1 hybrid mice carrying Mlsa and Mlsc genes. Click RE, et al. **J Immunol** 1987 Jul 15; 139(2):321–5
Assessment of the guinea pig's middle ear cell-mediated response using the mixed lymphocyte response (MLR). Cormier R, et al. **J Otolaryngol** 1987 Mar;16(2):67–70
Correlation between stable E-rosette formation and induction of alloantigen specific MLR suppressor cells in human mixed lymphocyte culture. Yahata H, et al.
Jpn J Exp Med 1986 Dec;56(6):257–64
Mixed-lymphocyte-culture studies in man.
Transplant Proc 1975 Mar;7(1 Suppl 1):31–64

INSTRUMENTATION

[Computer-assisted histocompatibility assessment in mixed lymphocyte culture (MLC)] Schwartz D, et al.
Wien Klin Wochenschr 1987 Feb 20;99(4):118–9 (Eng. Abstr.) **(Ger)**

METHODS

[A rapid mixed lymphocyte reaction based on lymphocyte protein synthesis] Kanda H.
Nippon Hinyokika Gakkai Zasshi 1987 Jan;78(1):1–11 (Eng. Abstr.) **(Jpn)**

LEUKOCYTE MIGRATION INHIBITORY FACTORS see under **LYMPHOKINES**

LEUKOCYTE NUMBER see **LEUKOCYTE COUNT**

LEUKOCYTES

see related
PHAGOCYTOSIS

Leucocyte scanning—a valuable tool in diagnosing cerebral abscess—a survey. Kock-Jensen C, et al.
Acta Neurochir (Wien) 1986;83(3-4):121–4
Indium-111 leukocyte imaging in appendicitis. Navarro DA, et al. **AJR** 1987 Apr;148(4):733–6
Indium-111-labelled leucocytes in the diagnosis of abdominal abscess. Goldman M, et al. **Br J Surg** 1987 Mar;74(3):184–6

Indium-111 leucocyte scanning—underused? [editorial] Coakley AJ, et al. **Br Med J [Clin Res]** 1986 Oct 18; 293(6553):973–4

Leukocyte effects on the vascular resistance and glomerular filtration of the isolated rat kidney at normal and low flow states. Braide M, et al. **Circ Shock** 1986;20(1):71–80

"Halo" sign on indium–111 leukocyte scan in gangrenous cholecystitis. Bauman JM, et al. **Clin Nucl Med** 1986 Feb; 11(2):136–7

Indium–111 leukocyte imaging. The skeletal photopenic lesion. Brown ML, et al. **Clin Nucl Med** 1986 Sep; 11(9):611–3

False–positive early indium–111 leukocyte scan. Lomena F, et al. **Clin Nucl Med** 1987 May;12(5):391–4

Nonvisualization of the liver by indium–111 oxine labeled leukocytes in alcoholic liver disease. Segall GM, et al. **Clin Nucl Med** 1986 Feb;11(2):79–81

Artifactual focal lung activity with indium–111 labeled leukocytes. A technical pitfall. Simerman L, et al. **Clin Nucl Med** 1986 Dec;11(12):840–1

Positive Indium–111 leukocyte scintigraphy in vaginitis. Taylor DW Jr, et al. **Clin Nucl Med** 1987 Jun;12(6):477–8

Submandibular uptake on indium–111 leukocyte scans in children. Williamson SL, et al. **Clin Nucl Med** 1987 Jan; 12(1):27–8

Evaluation of musculoskeletal sepsis with indium–111 white blood cell imaging. Ouzounian TJ, et al. **Clin Orthop** 1987 Aug;(221):304–11

Indium–111–labeled autologous leukocyte imaging and fecal excretion. Comparison with conventional methods of assessment of inflammatory bowel disease. Leddin DJ, et al. **Dig Dis Sci** 1987 Apr;32(4):377–87

Significance of diffuse cardiac activity on In–111 labeled leucocyte scans. Goodgold HM, et al. **Eur J Nucl Med** 1986;12(5–6):271–3

Indium–111 leukocyte accumulation in intramuscular injection sites. Swayne LC, et al. **Eur J Nucl Med** 1986; 12(5–6):302–3

Early and delayed indium 111 leukocyte imaging in Crohn's disease. Navab F, et al. **Gastroenterology** 1987 Oct; 93(4):829–34

Preparation of 111In leukocytes after hemolytic removal of erythrocytes. Karesh SM, et al. **Int J Rad Appl Instrum [B]** 1987;14(1):79–80

Optimized density gradient separation of leukocyte fractions from whole blood by adjustment of osmolarity. Braide M, et al. **J Immunol Methods** 1986 Nov 6;93(2):183–91

Cause and significance of cold bone defects on indium–111–labeled leukocyte imaging. Datz FL, et al. **J Nucl Med** 1987 May;28(5):820–3

Effect of antibiotic therapy on the sensitivity of indium–111–labeled leukocyte scans. Datz FL, et al. **J Nucl Med** 1986 Dec;27(12):1849–53

Comparison of leukocytes labeled with indium–111–2–mercaptopyridine–N–oxide and indium–111 oxine for abscess detection. Intenzo CM, et al. **J Nucl Med** 1987 Apr;28(4):438–41

Leukocyte labeling with technetium–99m tin colloids. Mock BH, et al. **J Nucl Med** 1987 Sep;28(9):1471–7

Indium–111 leukocyte scintigraphy in Wegener's granulomatosis involving the spleen. Morayati SJ, et al. **J Nucl Med** 1986 Dec;27(12):1864–6

Clinical utility of imaging cell labels: radiolabeled red cells, white cells and platelets. Bianco JA. **J Nucl Med Allied Sci** 1986 Apr–Sep;30(2–3):165–72 (48 ref.)

Different cell moieties and white blood cell (WBC) integrity in 111In labeled WBC preparations. Saha GB, et al. **J Nucl Med Allied Sci** 1987 Apr–Jun;31(2):201–5

Evaluation of Tc–99m leukocyte scan in the diagnosis of acute appendicitis. Butler JA, et al. **J Surg Res** 1987 May; 42(5):575–9

Uptake of indium–111–labeled leukocytes by brain metastasis. Balachandran S, et al. **Neurosurgery** 1987 Apr;20(4):606–9

A column purification procedure for the removal of leucocytes from parasite–infected bovine blood. Ambrosio RE, et al. **Onderstepoort J Vet Res** 1986 Sep;53(3):179–80

Limitations in the use of indium–111–oxine–labeled leucocytes for the diagnosis of occult infection in children. Haentjens M, et al. **Pediatr Radiol** 1987;17(2):139–42

Indium 111 white blood cell scanning in the pediatric population. Williamson SL, et al. **Pediatr Radiol** 1986; 16(6):493–7

Indium–111 labeled leukocyte uptake: false–positive results in noninfected pseudoaneurysms [letter] Bauman JM, et al. **Radiology** 1986 Nov;161(2):570

Experimental bacterial meningitis in the rabbit: cerebrospinal fluid changes and its relation to leukocyte response. Lindquist L, et al. **Scand J Infect Dis** 1987;19(2):263–70

Leukocyte contamination of platelet–rich plasma prepared using an optical sensor [letter] Rebulla P, et al. **Transfusion** 1987 Jul–Aug;27(4):368

Single step purification procedure for the rapid separation of equine leucocytes. Sedgwick AD, et al. **Vet Res Commun** 1986 Nov;10(6):445–52

Indium–111 leukocyte scan in the diagnosis of inflammatory bowel disease. Diba AA. **Wis Med J** 1986 Oct;85(10):31–2

[Diagnosis and follow–up of osteomyelitis of the jaw using 4–phase and labeled leukocyte scintigraphy] Götzfried HF, et al. **Fortschr Kiefer Gesichtschir** 1987;32:172–5 **(Ger)**

[Place and significance of leukocyte scintigraphy of osteomyelitic processes in the jaw region] Neukam FW, et al. **Fortschr Kiefer Gesichtschir** 1987;32:175–7 **(Ger)**

[Scintigraphy with In–111 labeled leukocytes: simplified labeling and its clinical application] Itoh K, et al. **Kaku Igaku** 1987 Mar;24(3):341–51 **(Jpn)**

[Amplification of c–myc proto–oncogene in primary tumors, metastases and blood leukocytes of patients with ovarian cancer] Serova OM. **Eksp Onkol** 1987;9(1):25–7 (Eng. Abstr.) **(Rus)**

[A micromethod for preparing concentrated leukocyte suspensions] Guliaeva EA, et al. **Lab Delo** 1986;(12):753–4 **(Rus)**

ANALYSIS

Flow cytofluorometric characterization of bovine blood and milk leukocytes. Hageltorn M, et al. **Am J Vet Res** 1986 Sep;47(9):2012–6

Bovine leukocytes in mammary secretions during involution: surface protein changes. Hurley WL, et al. **Am J Vet Res** 1986 Nov;47(11):2418–22

Acquired inversions in human leucocytes. Aurias A, et al. **Ann Genet (Paris)** 1986;29(3):203–6

A comparison of leukocyte ascorbate levels measured by the 2,4–dinitrophenylhydrazine method with high–performance liquid chromatography using electrochemical detection. Schaus EE, et al. **Biochem Med Metab Biol** 1986 Dec;36(3):369–76

Down–regulation of surface beta–adrenoceptors on intact human mononuclear leukocytes. Time–course and isoproterenol concentration dependence. Sandnes D, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1303–11

N–terminal sequence of human leukocyte glycoprotein Mo1: conservation across species and homology to platelet IIb/IIIa. Pierce MW, et al. **Biochim Biophys Acta** 1986 Dec 12;874(3):368–71

Proteinase inhibitors from horse plasma and leucocytes: properties and biological functions. Dubin A, et al. **Biomed Biochim Acta** 1986;45(11–12):1391–6

Lectin affinity fractionation of asparagine–linked oligosaccharides from normal human and chronic leukemic leukocytes. Forsberg LS, et al. **Cancer Biochem Biophys** 1987 May;9(2):155–68

cis–Diamminedichloroplatinum(II)–induced DNA adducts in peripheral leukocytes from seven cancer patients: quantitative immunochemical detection of the adduct induction and removal after a single dose of cis–diamminedichloroplatinum(II). Fichtinger–Schepman AM, et al. **Cancer Res** 1987 Jun 1;47(11):3000–4

Clinical significance of serum ferritin and leukocyte ferritin estimation in adult leukemias. Chen LL, et al. **Chin Med J [Engl]** 1987 Jan;100(1):63–7

A method for simultaneously estimating plasma, erythrocyte, and leukocyte sodium, potassium, and magnesium: reference values and considerations from biological variation data. Gallacher RE, et al. **Clin Chem** 1987 Aug; 33(8):1326–30

Interference in the measurement of red cell glycogen by glycogen from white cells. Collins W, et al. **Clin Chim Acta** 1987 Jan 30;162(2):207–13

Plasma catecholamines and alpha– and beta–adrenoceptors in circulating blood cells in patients on continuous ambulatory peritoneal dialysis. Ratge D, et al. **Clin Nephrol** 1987 Jul;28(1):15–21

Trout and salmon erythrocytes and human leukocytes as internal standards for ploidy control in flow cytometry. Iversen OE, et al. **Cytometry** 1987 Mar;8(2):190–6

Identification of a novel adhesion molecule in human leukocytes by monoclonal antibody LB–2. Patarroyo M, et al. **FEBS Lett** 1987 Jan 5;210(2):127–31

The interaction between some serine proteinases and horse leucocyte inhibitor. Dubin A, et al. **Folia Histochem Cytobiol** 1986;24(2):163–8

Applications of monoclonal antibodies to the in situ detection of human leucocytes. Giorno R. **Immunol Invest** 1986 May; 15(3):187–231 (210 ref.)

Chemical detection of leukocytes in urine by means of a new multiple test strip. Kutter D, et al. **J Clin Chem Clin Biochem** 1987 Feb;25(2):91–4

Partial characterization of the soluble mediator of leukocyte adherence inhibition. Appelboom T, et al. **J Rheumatol** 1987 Jun;14(3):420–5

Proenkephalin A–like mRNA in human leukemia leukocytes and CNS–tissues. Monstein HJ, et al. **Life Sci** 1986 Dec 8;39(23):2237–41

Leukosialin, a major sialoglycoprotein on human leukocytes as differentiation antigens. Fukuda M, et al. **Med Biol** 1986; 64(6):335–43 (37 ref.)

Receptors for B–cell stimulatory factor–1 expressed on cells of haematopoietic lineage. Ohara J, et al. **Nature** 1987 Feb 5–11;325(6104):537–40

DNA adducts of cisplatin in nucleated peripheral blood cells and tissues of cancer patients. Poirier MC, et al. **Prog Exp Tumor Res** 1987;31:104–13

Temporal sequence of morphological alterations in artery walls during experimental atherogenesis—occurrence of leukocytes. Kling D, et al. **Res Exp Med (Berl)** 1987; 187(4):237–50

Analysis of cellular and membrane extracts of human leukocytes from rheumatoid arthritis patients using two–dimensional electrophoresis. Berner Berntzen H, et al. **Scand J Clin Lab Invest [Suppl]** 1986;184:77–83

Preliminary characterization of the procoagulant material in human ascites. Addonizio VP Jr, et al. **Surgery** 1987 Jun; 101(6):753–62

Identification of histamine–receptor leukocytes in the bovine. Anderson GA, et al. **Vet Res Commun** 1987;11(1):77–82

[Circadian rhythm of the glucocorticoid receptor in normal human leukocytes] Zhang JQ. **Chung Hua I Hsueh Tsa Chih** 1986 Feb;66(2):96–7 **(Chi)**

[Chemotactic factor to polymorphonuclear leukocytes in the human lens. 7. Chemotactic factor leaked through the lens capsule] Tomoda T, et al. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1640–5 (Eng. Abstr.) **(Jpn)**

[Thermostable leukocyte alpha–glycoprotein: immunochemical study and enzyme activity research] Shevchenko OP, et al. **Biull Eksp Biol Med** 1987 May; 103(5):552–5 (Eng. Abstr.) **(Rus)**

[Leukocyte glycosaminoglycans in various forms of myelo– and lymphoproliferative blood diseases] Kharchenko MF, et al. **Vopr Onkol** 1986;32(10):47–53 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Distribution of circulating mononuclear cells in short–term PUVA–treated psoriatic patients and healthy subjects. Larussa FM, et al. **Acta Derm Venereol (Stockh)** 1986; 66(5):398–403

Lymphocyte subsets in normal airway mucosa of the human nose. Winther B, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jan;113(1):59–62

Spectral bandwidth in automated leukocyte classification. Zahniser DJ, et al. **Cytometry** 1986 Nov;7(6):518–21

Automated white blood cell classification revisited. Bao HF, et al. **Med Inf (Lond)** 1987 Jan–Mar;12(1):23–31

Improved flow cytometric analysis of leukocyte subsets: simultaneous identification of five cell subsets using two–color immunofluorescence. Horan PK, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8361–5

Leukocyte subsets infiltrating fully allogeneic, long–surviving rat liver allografts. Ishikura H, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):404–7

Leukocyte subsets infiltrating into fully allogeneic, long–surviving rat liver allografts. Ishikura H, et al. **Transplantation** 1987 May;43(5):709–14

Identifying leucocytes and leucocyte subpopulations in semen using monoclonal antibody probes. el–Demiry MI, et al. **Urology** 1986 Dec;28(6):492–6

CYTOLOGY

Effect of transcutaneous electrostimulation on the cell composition of skin exudate. Eberhardt A, et al. **Acta Physiol Pol** 1986 Jan–Feb;37(1):41–6

The immunocytochemical distribution of leukocytic subpopulations in human endometrium. Kamat BR, et al. **Am J Pathol** 1987 Apr;127(1):66–73

Tracheal globule leukocytes and subepithelial mast cells: a comparative study in the rat. Le Roy Ladurie F, et al. **Ann Inst Pasteur Immunol** 1986 Sep–Oct;137D(2):273–80

Atherosclerotic lesions in coronary arteries of hyperlipidemic swine. Part 2. Endothelial cell kinetics and leukocyte adherence associated with early lesions. Scott RF, et al. **Atherosclerosis** 1986 Oct;62(1):1–10

The mechanism of removal of leukocytes by cellulose columns. Beutler E, et al. **Blood Cells** 1986;12(1):57–64

Analysis of density changes and chemotactic receptors of leukocytes from chronic hemodialysis and peritoneal dialysis patients. Lewis SL, et al. **Blood Purif** 1987; 5(2–3):138–54

Magnetic sorting of leukocytes. Owen CS. **Cell Biophys** 1986 Aug;8(4):287–95

Leukocyte–poor blood. Wenz B. **CRC Crit Rev Clin Lab Sci** 1986;24(1):1–20 (120 ref.)

Cytogenetic studies on five species of Pisces from Yugoslavia. Al–Sabti K. **Cytobios** 1987;49(198–199):175–88

Colloidal gold labeling studies related to vascular and endothelial function, hemostasis and receptor–mediated processing of plasma macromolecules. Handley DA, et al. **Eur J Cell Biol** 1987 Feb;43(1):163–74 (208 ref.)

DA–DAPI positive heterochromatin in the interphase nuclei of human white blood cells. Gruber K, et al. **Haematologica (Pavia)** 1987 Jan–Feb;72(1):5–9

Histamine release and circulating cells after antigen inhalation in allergic dogs. Chung KF, et al. **J Appl Physiol** 1987 Jan;62(1):253–8

Leukocytosis of exercise: role of cardiac output and catecholamines. Foster NK, et al. **J Appl Physiol** 1986 Dec; 61(6):2218–23

Vascular graft–associated complement activation and leukocyte adhesion in an artificial circulation. Kottke–Marchant K, et al. **J Biomed Mater Res** 1987 Mar; 21(3):379–97

Nuclear segmentation, ultrastructure, and cytochemistry of blood cells from dogs with Pelger–Huët anomaly. Latimer KS, et al. **J Comp Pathol** 1987 Jan;97(1):61–72

Influence of anti–endothelial cell antibodies on the interactions of leukocytes with vascular endothelial cells in vitro. Elgebaly SA, et al. **J Exp Pathol** 1985 Spring; 2(1):59–73

The use of fluorescence quenching in flow cytofluorometry to measure the attachment and ingestion phases in phagocytosis in peripheral blood without prior cell separation. Hed J, et al. **J Immunol Methods** 1987 Jul 16; 101(1):119–25

The buffy coat leukoagglutination (BCLA) test. Lazer CE, et al. **J Immunol Methods** 1986 Sep 27;92(2):183–7

The phenomenon of leukergy: induction and detection of leukocyte aggregation in whole human blood. Berliner S, et al. **J Lab Clin Med** 1987 May;109(5):575–82

Differential staining of biological structures by ruthenium red [published erratum appears in J Microsc 1987 May;146 (Pt 2):333] Gutierrez-Gonzalvez MG, et al. **J Microsc** 1987 Mar;145 (Pt 3):333–40

Immunoactivation in the central nervous system in myasthenia gravis. Müller KM, et al. **J Neurol Sci** 1987 Aug;80(1):13–23

Routine analysis of synovial fluid cells is of value in the differential diagnosis of arthritis in children. Kunnamo I, et al. **J Rheumatol** 1986 Dec;13(6):1076–80

Influence of environmental medium on fatty acid composition of human cells: leukocytes and fibroblasts. Delplanque B, et al. **Lipids** 1987 Apr;22(4):241–9

Circadian rhythms of peripheral blood leukocytes in aging mice. Sletvold O. **Mech Ageing Dev** 1987 Aug;39(3):251–61

Induction and characterization of bovine leukocyte interferon. Cohen S, et al. **Methods Enzymol** 1986; 119:136–44

Production of human immune interferon from leukocytes cocultured with exogenous cells. Familletti PC, et al. **Methods Enzymol** 1986;119:63–9

Leukocyte adherence initiation in skeletal muscle capillaries and venules. Mayrovitz HN, et al. **Microvasc Res** 1987 Jan; 33(1):22–34

Diurnal changes in the hematological indices in the blood of racing Arabian horses. Gill J, et al. **Pol Arch Weter** 1986;26(1–2):169–79

Interferons regulate the in vitro differentiation of multilineage lympho-myeloid stem cells in hairy cell leukemia. Michalevicz R, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2307–11

Immunogold labeling of human leukocytes for scanning electron microscopy and light microscopy: quantitative aspects of the methodology. de Harven E, et al. **Scanning Microsc** 1987 Jun;1(2):713–8

An effective method for the preparation of leukocyte-poor platelets. Kalmin ND, et al. **Transfusion** 1987 May-Jun; 27(3):281–3

Effective leukocyte removal from platelet preparations by centrifugation in a new pooling bag. Schiffer CA, et al. **Transfusion** 1987 Mar-Apr;27(2):162–4

Phenotype and patterns of inflammatory cell infiltration associated with rejection or acceptance of rat liver allografts. Wolfe JA, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):364–8

Pronephric leucocytes of Cyprinus carpio: isolation, separation and characterization. Bayne CJ. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):141–51

Lymphocyte emperipolesis into autologous monocytes in leukocyte cultures exposed to mitogenic lectins. Khavkin T, et al. **Virchows Arch [B]** 1986;51(5):405–19

[The distribution of leukocytes according to size used as a form of differential counting] Hansen AC. **Ugeskr Laeger** 1986 Dec 8;148(50):3371–4 (Eng. Abstr.) **(Dan)**

[Leukocytoclastic vasculitis] Mensing H. **Immun Infekt** 1987 Feb;15(1):9–14 (42 ref.) (Eng. Abstr.) **(Ger)**

[Leukemic cell kill kinetics in bone marrow] Ohmoto E, et al. **Rinsho Ketsueki** 1986 Sep;27(9):1590–5 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Influence of neural blockade and indomethacin on leucocyte, temperature, and acute-phase protein response to surgery. Schulze S, et al. **Acta Chir Scand** 1987 Apr;153(4):255–9

Carbamazepine effects on mononuclear blood cells in epileptic patients. Gilhus NE, et al. **Acta Neurol Scand** 1986 Sep;74(3):181–5

Vitamin E and vitamin C inhibit arachidonate-induced aggregation of human peripheral blood leukocytes in vitro. Villa S, et al. **Agents Actions** 1986 Oct;19(1–2):127–31

Effect of acetyl salicylic acid on production and action of leukocyte-derived interferons. Yousefi S, et al. **Antimicrob Agents Chemother** 1987 Jan;31(1):114–6

Immunological studies in asthmatics exposed to allergens. Maheshwari M, et al. **Arch Toxicol [Suppl]** 1987;11:319–20

Pharmacological investigations of the new antiinflammatory agent 2-(10,11-dihydro-10-oxodibenzo[b,f]thiepin-2-yl)= propionic acid. 3rd communication: inhibitory effects on leucocyte emigration and proliferation of granulation. Tsurumi K, et al. **Arzneimittelforschung** 1986 Dec; 36(12):1806–9

Inhibition of leukotriene formation in human leukocytes by halothane. Yamaoka A, et al. **Biochim Biophys Acta** 1987 Apr 24;918(3):284–92

Influence of dietary linoleic acid on leucocyte sodium transport and blood pressure [letter] Ng LL, et al. **Br Med J [Clin Res]** 1986 Sep 6;293(6547):629

The stabilizing effect of vitamin E, selenium and zinc on leucocyte membrane permeability: a study in vitro. Haberal M, et al. **Burns Incl Therm Inj** 1987 Apr;13(2):118–22

Activated human lymphocytes secrete a soluble factor that aggregates leukocytes. Rouveix B, et al. **Cell Immunol** 1986 May;99(2):385–94

Receptor redistribution does not accompany terbutaline-induced down regulation of beta-adrenergic receptors on human mononuclear leukocytes. Maisel AS, et al. **Clin Pharmacol Ther** 1987 Jul;42(1):100–6

Differences between breeds of rabbits in their susceptibility to the effect of foschlor. Szubartowska E, et al. **Comp Biochem Physiol [C]** 1986;85(1):33–40

Diacylglycerol modulation of insulin receptor from cultured human mononuclear cells. Effects on binding and internalization. Grunberger G, et al. **Diabetes** 1986 Dec; 35(12):1364–70

The effect of propranolol on exercise induced tachycardia is determined by plasma concentration and the density of adrenergic receptors on leukocytes. Tawara K, et al. **Eur J Clin Pharmacol** 1987;31(6):667–72

A commentary on the inhibition by retinoids of leukotriene B4 production in leukocytes. Randall RW, et al. **FEBS Lett** 1987 Apr 6;214(1):167–70

Effect of dengue virus-induced cytotoxic factor on blood leucocytes of monkeys. Nagar R, et al. **Indian J Med Res** 1986 Oct;84:339–47

Inhibition profiles of picumast and ketotifen on the in vitro release of prostanoids, slow-reacting substance of anaphylaxis, histamine and enzyme from human leukocytes and rat alveolar macrophages. Wilhelms OH. **Int Arch Allergy Appl Immunol** 1987;82(3–4):547–9

The effects of new local anti-inflammatory steroids on leucocyte migration and prostanoid liberation in rats. Bird J, et al. **J Pharm Pharmacol** 1986 Aug;38(8):589–94

Dipyridamole reduced myocardial platelet and leukocyte deposition following ischemia and cardioplegia. Teoh KH, et al. **J Surg Res** 1987 Jun;42(6):642–52

Benzene-specific increase in leukocyte alkaline phosphatase activity in rats exposed to vapors of various organic solvents. Li GL, et al. **J Toxicol Environ Health** 1986; 19(4):581–9

Actions of non-steroidal anti-inflammatory drugs on equine leucocyte movement in vitro. Dawson J, et al. **J Vet Pharmacol Ther** 1987 Jun;10(2):150–9

Antinephritic effect of prostaglandin E1 on serum sickness nephritis in rats. (3). Suppression of leukocytes by prostaglandin E1 as a mechanism for preventing immune complex glomerulonephritis. Nagamatsu T, et al. **Jpn J Pharmacol** 1986 Sep;42(1):109–16

Interleukin 1 induces leukocyte infiltration and cartilage proteoglycan degradation in the synovial joint. Pettipher ER, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8749–53

Ebselen reduces the formation of LTB4 in human and porcine leukocytes by isomerisation to its 5S, 12R-6-trans-isomer. Kuhl P, et al. **Prostaglandins** 1986 Jun;31(6):1029–48

In vitro assessment of mononuclear leukocyte aggregation in response to sodium arachidonate and calcium ionophore A23187: comparison with polymorphonuclear leukocytes. Colli S, et al. **Prostaglandins Leukotrienes Med** 1986 Oct; 24(2–3):241–54

Vascular and cellular responses to guanidino propyl piperazine CK0569A, a new anti-plaque agent. Hurttia H, et al. **Scand J Dent Res** 1987 Apr;95(2):104–11

Heparin neutralizes serum antiplasmin inhibition of peripheral blood leukocyte fibrinolytic activity. Ghezzo F, et al. **Thromb Res** 1987 Apr 15;46(2):199–204

Changes in circulatory white blood cells of mice and rats due to acute trichothecene intoxication. Bergers WW, et al. **Toxicol Lett** 1987 Apr;36(2):173–9

Phagocytosis and bactericidal activity of human leucocytes under influence of antimalarial drugs. Kharazmi A, et al. **Trans R Soc Trop Med Hyg** 1986;80(5):758–60

Relative antigen-specific suppression in vitro of alloresponding human leukocytes by cellular delivery of cyclosporine. Christiaansen JE, et al. **Transplantation** 1987 Jul;44(1):119–22

Pasteurella haemolytica cytotoxin: relative susceptibility of bovine leucocytes. O'Brien JK, et al. **Vet Microbiol** 1987 Apr;13(4):321–34

[Effect of levamisole on the cytochemical function of leukocytes and on blood lysozyme in sheep] Goranov Kh, et al. **Vet Med Nauki** 1987;24(2):72–6 (Eng. Abstr.) **(Bul)**

[Effects of benzydamine on leukocyte aggregation] Wurl M, et al. **Arzneimittelforschung** 1987 May;37(5A):614–7 (Eng. Abstr.) **(Ger)**

[Effect of cysteine ethylester hydrochloride (Cystanin) on host defense mechanisms (III): Potentiating effects on phagocytosis and nitroblue tetrazolium (NBT) reduction by leukocytes of mice and guinea pigs] Hisadome M, et al. **Nippon Yakurigaku Zasshi** 1986 Nov;88(5):369–74 (Eng. Abstr.) **(Jpn)**

[Effect of magnesium chloride on various indicators of the leukocyte and erythrocyte systems and blood balance] Mach Z, et al. **Folia Med Cracov** 1986;27(3–4):195–206 (Eng. Abstr.) **(Pol)**

[Effect of purine nucleosides on human leukocytes in normal conditions and in leukemias] Filanovskaia LI, et al. **Eksp Onkol** 1987;9(3):39–43 (Eng. Abstr.) **(Rus)**

[Various indicators of respiratory function, the blood and immunity in workers handling isocyanates] Plastinina RA, et al. **Gig Tr Prof Zabol** 1986 Dec;(12):16–20 (Eng. Abstr.) **(Rus)**

[Effect of thymalin on the functional activity of circulating leukocytes] Podosinnikov IS, et al. **Patol Fiziol Eksp Ter** 1987 Mar-Apr;(2):72–4 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Mapping of the substrate binding site of human leukocyte chymotrypsin (cathepsin G) using tripeptidyl-p-nitroanilide substrates. Szabó G, et al. **Acta Biochim Biophys Hung** 1986;21(4):349–62

Biochemical and immunological relationships of prostatic and leukocytic acid phosphatases and their subcellular localization. Zwirner A, et al. **Acta Biochim Pol** 1986; 33(2):127–31

Ring chromosome 21 and SOD activity of blood cells. Aoki T, et al. **Acta Paediatr Scand** 1986 Nov;75(6):1055–8

The human leukocyte 5-lipoxygenase: enzyme purification, multi-component regulatory system, and LTA4 synthase activity. Rouzer CA, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1986; 16:3–16

Reactions of hydroperoxy-eicosatetraenoic acids with arachidonate 12- and 5-lipoxygenases purified from porcine leukocytes. Yamamoto S, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1986; 16:17–26

The clinical significance of dipstick-negative, culture-positive urines in a veterans population. Gutman SI, et al. **Am J Clin Pathol** 1987 Aug;88(2):204–9

The detection of leukocyte esterase activity in urine with a new reagent strip. Scheer WD. **Am J Clin Pathol** 1987 Jan;87(1):86–93

Leukocyte esterase activity in human amniotic fluid for the rapid detection of chorioamnionitis. Hoskins IA, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):730–2

Leukocyte alkaline phosphatase (LAP). A useful marker of zinc status in beta-thalassemic patients. Schilirò G, et al. **Am J Pediatr Hematol Oncol** 1987 Summer;9(2):149–52

Intermediate levels of aryl sulfatase C in human leukocytes of female carriers for X-linked recessive ichthyosis. Meyer JC, et al. **Arch Dermatol Res** 1986;278(6):491–3

Receptor-mediated binding of leukocyte elastase by chondrocytes. Bartholomew JS, et al. **Arthritis Rheum** 1987 Apr;30(4):431–8

Steroid sulfatase deficiency: enzymatic studies using placenta and leucocytes in one family [published erratum appears in Asia Oceania J Obstet Gynaecol 1987 Mar;13(1):following 126] Sakai S, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec;12(4):555–61

Reversible, slow, tight-binding inhibition of human leukocyte elastase. Dunlap RP, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):509–13

Ethanol-enhanced transmembrane penetration of arachidonic acid and activation of the 5-lipoxygenase pathway in human leukocytes. Green FA, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):782–8

Induction of prolyl hydroxylase activity in a nonadherent population of human leukocytes. Lindblad WJ, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):486–93

Lipoxin synthesis by arachidonate 5-lipoxygenase purified from porcine leukocytes. Ueda N, et al. **Biochem Biophys Res Commun** 1987 Apr 29; 144(2):996–1002

Nonoxidative ethanol metabolism in human leukocytes: detection of fatty acid ethyl ester synthase activity. Wright M, et al. **Biochem Biophys Res Commun** 1987 Feb 13; 142(3):979–85

Influence of elastin on the inhibition of leucocyte elastase by alpha 1-proteinase inhibitor and bronchial inhibitor. Potent inhibition of elastin-bound elastase by bronchial inhibitor. Bruch M, et al. **Biochem J** 1986 Aug 15; 238(1):269–73

Kinetics and mechanism of human leukocyte elastase inactivation by ynenol lactones. Copp LJ, et al. **Biochemistry** 1987 Jan 13;26(1):169–78

Catalysis by human leukocyte elastase: proton inventory as a mechanistic probe. Stein RL, et al. **Biochemistry** 1987 Mar 10;26(5):1305–14

Catalysis by human leukocyte elastase: mechanistic insights into specificity requirements. Stein RL, et al. **Biochemistry** 1987 Mar 10;26(5):1301–5

Mechanism of slow-binding inhibition of human leukocyte elastase by trifluoromethyl ketones. Stein RL, et al. **Biochemistry** 1987 May 19;26(10):2682–9

Catalysis by human leukocyte elastase. Aminolysis of acyl-enzymes by amino acid amides and peptides. Stein RL, et al. **Biochemistry** 1987 Apr 21;26(8):2238–42

Mechanism of inactivation of human leukocyte elastase by a chloromethyl ketone: kinetic and solvent isotope effect studies. Stein RL, et al. **Biochemistry** 1986 Sep 23; 25(19):5414–9

Lysosomal arylsulfatases A and B from horse blood leukocytes: purification and physico-chemical properties. Wojczyk B. **Biol Cell** 1986;57(2):147–52

Kinetic studies on the interaction of eglin c with human leukocyte elastase and cathepsin G. Braun NJ, et al. **Biol Chem Hoppe Seyler** 1987 Apr;368(4):299–308

Synthetic inhibitors of human leukocyte elastase, Part 3. Peptides with alkyl groups at the N- or C-terminus. Non-toxic competitive inhibitors of human leukocyte elastase. Lentini A, et al. **Biol Chem Hoppe Seyler** 1987 Apr;368(4):369–78

Production and characterization of two monoclonal antibodies against human myeloperoxidase. Hur SJ, et al. **Biotechnol Appl Biochem** 1986 Dec;8(6):510–5

Phosphatidylethanolamine methyltransferase and cAMP, cGMP phosphodiesterases in lymphocytes and monocytes in sarcoidosis. Pacheco Y, et al. **Clin Chim Acta** 1987 Mar 30;163(3):267–77

Leucocyte elastase in chronic inflammatory bowel diseases:

a marker of inflammatory activity? Fischbach W, et al. **Digestion** 1987;37(2):88–95

Impaired 6-phosphofructokinase activity in mononuclear leukocytes from patients with type II diabetes mellitus. Timmers KI, et al. **Enzyme** 1986;36(4):247–53

Leukocyte protease activities in myotonic dystrophy: studies on effects of protease inhibitors. Goto I, et al. **Eur Neurol** 1987;26(2):126–8

Gold sodium thiomalate activates latent human leukocyte collagenase. Lindy S, et al. **FEBS Lett** 1986 Nov 10; 208(1):23–5

Endogenously generated 5-hydroperuxyeicosatetraenoic acid is the preferred substrate for human leukocyte leukotriene A4 synthase activity. Puustinen T, et al. **FEBS Lett** 1987 Jun 15;217(2):265–8

Protein phosphorylation of lysosomal arylsulfatase B in normal and leukemic leukocytes. Uehara Y, et al. **FEBS Lett** 1986 Nov 24;208(2):352–6

Comparison of specificity of human and horse leucocyte proteinases with synthetic peptide substrates. Dubin A, et al. **Folia Histochem Cytobiol** 1986;24(2):157–61

Elastinolytic activity of horse leukocyte proteinases. Comparison with elastases from human leukocytes and porcine pancreas. Potempa J, et al. **Folia Histochem Cytobiol** 1986;24(2):149–56

Mitochondrial malic enzyme in human leukocytes. Siebert G, et al. **Hum Hered** 1987;37(2):122–3

Elevated mononuclear leukocyte phosphodiesterase in allergic dogs with and without airway hyperresponsiveness. Hirshman CA, et al. **J Allergy Clin Immunol** 1987 Jan; 79(1):46–53

Applicability of leukocyte esterase test strip in detection of canine pyuria. Vail DM, et al. **J Am Vet Med Assoc** 1986 Dec 1;189(11):1451–3

Arachidonate 5-lipoxygenase of porcine leukocytes studied by enzyme immunoassay using monoclonal antibodies. Kaneko S, et al. **J Biol Chem** 1987 May 15;262(14):6741–5

Constraints on prostaglandin biosynthesis in tissues. Marshall PJ, et al. **J Biol Chem** 1987 Mar 15;262(8):3510–7

Arachidonate 12-lipoxygenase purified from porcine leukocytes by immunoaffinity chromatography and its reactivity with hydroperoxyeicosatetraenoic acids. Yokoyama C, et al. **J Biol Chem** 1986 Dec 15; 261(35):16714–21

Induction of 2',5'-oligoadenylate synthetase activity in peripheral blood mononuclear cells by gamma interferon. Triozzi PL, et al. **J Biol Response Mod** 1986 Dec; 5(6):562–70

Purification of human leucocyte pyruvate kinase. Kechemir D, et al. **J Chromatogr** 1986 Nov 28;383(1):43–50

Evaluation of human peripheral blood leukocytes for mast cell tryptase. Castells MC, et al. **J Immunol** 1987 Apr 1; 138(7):2184–9

Fructose-1,6-diphosphatase deficiency: diagnosis using leukocytes and detection of heterozygotes with radiochemical and spectrophotometric methods. Alexander D, et al. **J Inherited Metab Dis** 1985;8(4):174–7

Arylsulphatase C activity in leukocytes of patients and carriers of X-linked ichthyosis. Herrmann FH, et al. **J Inherited Metab Dis** 1987;10(1):89–94

Diagnosis of classical Morquio's disease: N-acetylgalactosamine 6-sulphate sulphatase activity in cultured fibroblasts, leukocytes, amniotic cells and chorionic villi. Yuen M, et al. **J Inherited Metab Dis** 1985; 8(2):80–6

Development of a noncompetitive, solid phase, bridged biotin–avidin enzyme immunoassay for measurement of human leukocyte microsomal HMG-CoA reductase protein concentration. Harwood HJ Jr, et al. **J Lipid Res** 1987 Mar;28(3):292–304

Inactivation of leukocyte elastase by aryl azolides and sulfonate salts. Structure–activity relationship studies. Groutas WC, et al. **J Med Chem** 1986 Jul;29(7):1302–5

Bacteriuria screening. Lane JW, et al. **Kans Med** 1986 Oct; 87(10):279–80

Inhibitors of leukocyte elastase and leukocyte cathepsin G. Agents for the treatment of emphysema and related ailments. Groutas WC. **Med Res Rev** 1987 Apr–Jun; 7(2):227–41 (121 ref.)

Increased leucocyte Na–K ATPase in obesity: reversal following weight loss. Turaihi K, et al. **Metabolism** 1987 Sep;36(9):851–5

Human myeloperoxidase and hemi-myeloperoxidase. Andrews PC, et al. **Methods Enzymol** 1986;132:369–78

Enzyme studies at subzero temperatures using immobilized substrates. Balny C, et al. **Methods Enzymol** 1987; 135:528–36

Identification of a human gene (HCK) that encodes a protein-tyrosine kinase and is expressed in hemopoietic cells. Quintrell N, et al. **Mol Cell Biol** 1987 Jun;7(6):2267–75

Novel protein-tyrosine kinase gene (hck) preferentially expressed in cells of hematopoietic origin. Ziegler SF, et al. **Mol Cell Biol** 1987 Jun;7(6):2276–85

Enzymatic properties of human leukocyte elastase complexed to alpha 2-macroglobulin: increases in amidolytic and fibrinolytic activities on incubation. Nagamatsu Y, et al. **Nippon Ketsueki Gakkai Zasshi** 1987 Feb;50(1):148–57

Isolation and sequence of a human gene encoding a potent inhibitor of leukocyte proteases. Stetler G, et al. **Nucleic Acids Res** 1986 Oct 24;14(20):7883–96

Clinical uses of the leukocyte esterase test. Culhane JK. **Primary Care** 1986 Dec;13(4):679–89

Human leukocyte collagenase: recent biochemical findings. Sorsa T, et al. **Proc Finn Dent Soc** 1987;83(3):111–7 (50 ref.)

Stereoselective hydrogen abstraction in leukotriene A4 synthesis by purified 5-lipoxygenase of porcine leukocytes. Ueda N, et al. **Prostaglandins** 1986 Jul;32(1):43–8

Comparison of 5- and 15-lipoxygenase activities in blood and alveolar leukocyte preparations from normal subjects and patients with eosinophilia. Laviolette M, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2–3):191–9

Circulating human leucocyte elastase in rheumatoid arthritis. Adeyemi EO, et al. **Rheumatol Int** 1986;6(2):57–60

Tyrosine hydroxylase activity in blood platelets, plasma and leucocytes [letter] D'Andrea G, et al. **Thromb Res** 1986 Dec 1;44(5):713–4

[Changed phosphodiesterase activity of leukocytes in atopic eczema] Hanifin JM. **Hautarzt** 1987 May;38(5):258–61 (Eng. Abstr.) **(Ger)**

[Evaluation of NAD glycohydrolase in leukocytes from peripheral blood and broncho-alveolar lavage in man] Sestini S, et al. **Boll Soc Ital Biol Sper** 1986 May 30; 62(5):609–12 (Eng. Abstr.) **(Ita)**

[Cell differentiation, maturation and enzyme abnormality—studies on NADH-cytochrome b5 reductase] Takeshita M, et al. **Rinsho Ketsueki** 1986 Jul;27(7):1138–44 (Eng. Abstr.) **(Jpn)**

[Tyrosine hydroxylase of the blood leukocytes] Mineeva MF. **Biull Eksp Biol Med** 1987 Jul;104(7):99–101 (Eng. Abstr.) **(Rus)**

[Activity of alpha-naphthylbutyrate esterase in the peripheral blood cells of healthy subjects] Dul'tsina SM, et al. **Lab Delo** 1986;(10):590–4 (Eng. Abstr.) **(Rus)**

[Cytochemical activity of bone marrow and blood esterases in healthy subjects and in leukemia] Frenkel' MA, et al. **Lab Delo** 1986;(9):535–8 (Eng. Abstr.) **(Rus)**

[Cytochemical method for detecting dehydrogenase activity in the leukocytes of native blood smears] Bykov EG, et al. **Tsitologiia** 1987 Mar;29(3):362–5 (Eng. Abstr.) **(Rus)**

[Colorimetric method of sequential determination of several dehydrogenases in a smear of human leukocytes] Beliakovich AG, et al. **Vopr Med Khim** 1987 May–Jun; 33(3):118–20 (Eng. Abstr.) **(Rus)**

[Indices of the hemostasis, leukocyte enzyme activity and lipid peroxidation of patients with essential hypertension] Mishchenko VP, et al. **Vrach Delo** 1987 Jan;(1):63–6 (Eng. Abstr.) **(Rus)**

[Enzymatic coordination indices of leukocytes in the prognosis of mouse resistance to staphylococcal toxin] Katosova RK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Aug;(8):56–9 (Eng. Abstr.) **(Rus)**

[Decrease in the concentration of leukocyte acetylation coenzyme associated with vitamin precursor deficiency in patients with alcoholic delirium] Rybalko MA, et al. **Zh Nevropatol Psikhiatr** 1987;87(2):243–7 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Detection and measurement of a cellular immune-reactivity towards polyester and polytetrafluoroethylene grafts. Leukocyte adherence inhibition test. Cavallini G, et al. **Acta Chir Scand** 1987 Mar;153(3):179–84

Bacteria and their products peptidoglycan and teichoic acid potentiate antigen-induced histamine release in allergic patients. Norn S, et al. **Agents Actions** 1987 Apr; 20(3–4):174–7

Granulocyte migration in vivo and in vitro in healthy children of parents with atopic asthma. Matusiewicz R, et al. **Allergy** 1987 Apr;42(3):173–6

Iron deficiency and interleukin 1 production by rat leukocytes. Helyar L, et al. **Am J Clin Nutr** 1987 Aug; 46(2):346–52

Monoclonal antibodies (MT1, MT2, MB1, MB2, MB3) reactive with leukocyte subsets in paraffin-embedded tissue sections. Poppema S, et al. **Am J Pathol** 1987 Jun; 127(3):418–29

Swine antibody-dependent cellular cytotoxicity against pseudorabies virus-infected cells. el-Awar FY, et al. **Am J Vet Res** 1987 Mar;48(3):481–5

Pulmonary dysfunction during one-lung ventilation caused by HLA-specific antibodies against leukocytes. De Wolf AM, et al. **Anesth Analg** 1987 May;66(5):463–7

Neuropeptide modulation of leukocyte function. Payan DG, et al. **Ann NY Acad Sci** 1987;496:182–91

Leukocyte production of endorphins. Smith EM, et al. **Ann NY Acad Sci** 1987;496:192–5

Do keratinocytes express T6 antigen? [letter] Murphy GF. **Arch Pathol Lab Med** 1986 Dec;110(12):1121–2

In vivo determination of modulated migration of radiolabeled leukocytes. Bengtson A, et al. **Arch Surg** 1987 Aug; 122(8):909–12

Phagocytosis of horse erythrocytes treated with equine infectious anemia virus by cultivated horse leukocytes. Sentsui H, et al. **Arch Virol** 1987;95(1–2):67–77

Immunopharmacological actions of the new antiallergic drug 11-oxo-11H-pyrido[2,1-b]quinazoline-2-carboxylic acid. Effects on type I hypersensitivity reactions in human leukocytes and in human and monkey lungs. Yanagihara Y, et al. **Arzneimittelforschung** 1986 Nov;36(11):1627–31

A comparison of the macrophage migration inhibition (MMI) assay and the semi-automated leucocyte adherence inhibition (SALAI) assay. Isbister WH, et al. **Aust J Exp Biol Med Sci** 1986 Dec;64 (Pt 6):501–3

Deficiency of leukocyte surface glycoproteins Mo1, LFA-1, and Leu M5 in a dog with recurrent bacterial infections: an animal model. Giger U, et al. **Blood** 1987 Jun; 69(6):1622–30

Interferon responses of peripheral blood mononuclear cells from normal and leukaemic children. Mohammed GS, et al. **Br J Haematol** 1986 Dec;64(4):789–98

Fetal and maternal uteroplacental leucocytes in aplastic anaemia. Case report. Spearing R, et al. **Br J Obstet Gynaecol** 1986 Nov;93(11):1163–5

Changes in rectal leucocytes after allogeneic bone marrow transplantation. Dilly SA, et al. **Clin Exp Immunol** 1987 Jan;67(1):151–8

Defective complement receptors (CR1 and CR3) on erythrocytes and leukocytes of factor I (C3b-inactivator) deficient patients. Porteu F, et al. **Clin Exp Immunol** 1986 Nov;66(2):463–71

A comparison of leukocyte aggregation, leukocyte migration and skin reactivity to recall antigens in patients with AIDS. Rouveix B, et al. **Clin Exp Immunol** 1986 Dec;66(3):574–81

Spontaneous secretion of IgG subclasses by intestinal mononuclear cells: differences between ulcerative colitis, Crohn's disease, and controls. Scott MG, et al. **Clin Exp Immunol** 1986 Oct;66(1):209–15

A longitudinal study of gamma-interferon production by peripheral blood mononuclear cells from breast- and bottle-fed infants. Stephens S, et al. **Clin Exp Immunol** 1986 Aug;65(2):396–400

Defective production of leucocytic endogenous mediator (interleukin 1) by peripheral blood leucocytes of patients with systemic sclerosis, systemic lupus erythematosus, rheumatoid arthritis and mixed connective tissue disease. Whicher JT, et al. **Clin Exp Immunol** 1986 Jul;65(1):80–9

An animal model for evaluation of antigen-specific dialyzable leukocyte extracts therapy of osteosarcoma. Tsang KY, et al. **Clin Immunol Immunopathol** 1987 Mar;42(3):360–9

"In vitro" immunoglobulin production in cystinuria [letter] Amato M, et al. **Clin Nephrol** 1986 Nov;26(5):266

Cortisol-induced hematologic and immunologic changes in channel catfish Ictalurus punctatus). Ellsaesser CF, et al. **Comp Biochem Physiol [A]** 1987;87(2):405–8

PMA-induced chemiluminescence of amphibian leucocytes. Plytycz B, et al. **Dev Comp Immunol** 1987 Winter; 11(1):245–50

Clinical leukocyte phenotyping by laser flow cytometry and monoclonal antibodies (immunocytometry) in renal transplantation. Mazaheri R, et al. **Diagn Immunol** 1986; 4(5):257–67

Immunological responses of patients with recurrent herpes genitalis. Sirianni MC, et al. **Diagn Immunol** 1986;4(6):294–8

Inhibition of sensitized leukocyte's in vitro reactivity by circulating immune complexes in prostate cancer. Bhatti R, et al. **Experientia** 1987 Aug 15;43(8):916–7

In vitro interferon producing activity of peripheral mononuclear cells in patients with chronic liver disease. Matsushita K, et al. **Gastroenterol Jpn** 1987 Apr; 22(2):166–73

Cellular hypersensitivity to gluten derived peptides in coeliac disease. Guan R, et al. **Gut** 1987 Apr;28(4):426–34

Cellular requirements for mixed leucocyte reactivity in the cyclostome, Eptatretus stoutii. Raison RL, et al. **Immunol Cell Biol** 1987 Apr;65 (Pt 2):183–8

Binding specificity of a human leucocyte carbohydrate-binding protein. Allen HJ. **Immunol Invest** 1986 Jun;15(4):379–92

In vitro production of IgE-binding factors by human mononuclear cells. Delespesse G, et al. **Immunology** 1987 Jan;60(1):103–10

A monoclonal antibody inhibiting leucocyte adhesion blocks induction of IL-2 production but not IL-2 receptor expression. Lindqvist C, et al. **Immunology** 1987 Apr; 60(4):579–84

Enhanced granulocyte cytotoxicity by mediators derived from anti-IgE-stimulated human leucocytes. Moqbel R, et al. **Immunology** 1986 Sep;59(1):87–93

Ocular immunity in uveitis: a study of cellular response. Mohan M, et al. **Indian J Ophthalmol** 1985 May–Jun; 33(3):145–9

Sperm antibodies and human leukocyte antigens in couples with early spontaneous abortions. Mathur S, et al. **Int J Fertil** 1987 Jan–Feb;32(1):59–65

Enhanced cell-mediated immune responses in erythema nodosum leprosum reactions of leprosy. Rao TD, et al. **Int J Lepr Other Mycobact Dis** 1987 Mar;55(1):36–41

Leukocyte migration inhibition detects cross-reacting antigens between cells transformed by Epstein-Barr virus (EBV) and EBV-like simian viruses. Szigeti R, et al. **Intervirology** 1986;26(3):121–8

Proteolysis of human C-reactive protein produces peptides with potent immunomodulating activity. Robey FA, et al. **J Biol Chem** 1987 May 25;262(15):7053–7

Response of bacterial antigen in palmoplantar pustulosis. Ishibashi A, et al. **J Clin Lab Immunol** 1986 Oct;21(2):93–6

Dohi memorial lecture. Leukocytes and skin disease: conflicting patterns of inflammation in atopic dermatitis and psoriasis. Christophers E. **J Dermatol (Tokyo)** 1986 Dec;13(6):408–16

Double-immunolabeling systems for phenotyping of immune cells harboring bovine viral diarrhea virus. Bielefeldt Ohmann H. **J Histochem Cytochem** 1987 Jun;35(6):627–33

Equine leucocyte antigen system. IV. Recombination within

the major histocompatibility complex (MHC). Lazary S, et al. **J Immunogenet** 1986 Aug;13(4):315–25

Cytolytic activity of human peripheral blood leukocytes against Legionella pneumophila-infected monocytes: characterization of the effector cell and augmentation by interleukin 2. Blanchard DK, et al. **J Immunol** 1987 Jul 15;139(2):551–6

Complement dependence of antibody-induced mesangial cell injury in the rat. Yamamoto T, et al. **J Immunol** 1987 Jun 1;138(11):3758–65

A cell ELISA for the quantitation of leukocyte antigens. Requirements for calibration. Baumgarten H. **J Immunol Methods** 1986 Nov 20;94(1–2):91–8

Hyperphenylalaninaemia due to impaired dihydrobiopterin biosynthesis: leukocyte function and effect of tetrahydrobiopterin therapy. Fukuda K, et al. **J Inherited Metab Dis** 1985;8(2):49–52

Modification of luminol-dependent chemiluminescence reactivity of peripheral blood leukocytes from patients with lymphoreticular tumor, solid cancer, or healthy blood donors by interferon-alpha. Müller S, et al. **J Interferon Res** 1987 Feb;7(1):1–15

Requirements for immunoglobulin synthesis in leukocyte cultures exposed to human cytomegalovirus. Beeler BA, et al. **J Leukocyte Biol** 1987 May;41(5):429–33

Proposal for classification of leukocyte-associated cytolytic molecules: Denver, Colorado, September 28, 1986. Koren H, et al. **J Leukocyte Biol** 1987 May;41(5):447–9

Spontaneous and induced interferon production by peripheral blood leucocytes from control population and patients with herpes genitalis. Iannello D, et al. **J Med Virol** 1987 May; 22(1):25–34

Leukocyte analysis using monoclonal antibodies in human glomerulonephritis. Hooke DH, et al. **Kidney Int** 1987 Apr; 31(4):964–72

In vivo induction of Ia antigen in resident leukocytes in the normal rat renal glomerulus. Gurner A, et al. **Lab Invest** 1986 Nov;55(5):546–50

Prevention of graft failure by an anti-HLFA-1 monoclonal antibody in HLA-mismatched bone-marrow transplantation. Fischer A, et al. **Lancet** 1986 Nov 8; 2(8515):1058–61

Cell-mediated immunity to a synthetic gliadin peptide resembling a sequence from adenovirus 12. Karagiannis JA, et al. **Lancet** 1987 Apr 18;1(8538):884–6

Induction of lymphokine synthesis in peripheral blood mononuclear cells with phorbol ester and calcium ionophore allows precise measurement of individual variations in capacity to produce IL 2. Monner DA, et al. **Lymphokine Res** 1986;5 Suppl 1:S67–73

Production of human immune interferon with normal human leukocytes by the inducers A-23187 and mezerein. Braude IA, et al. **Methods Enzymol** 1986;119:72–6

Production and partial purification of human immune interferon induced with concanavalin A, staphylococcal enterotoxin A, and OK-432. De Ley M, et al. **Methods Enzymol** 1986;119:88–92

Large-scale production, concentration, and partial purification of human immune interferon. Georgiades JA. **Methods Enzymol** 1986;119:83–7

Measurements of changes in histocompatibility antigens induced by interferons. Hokland M, et al. **Methods Enzymol** 1986;119:688–93

Large-scale production and recovery of human leukocyte interferon from peripheral blood leukocytes. Horowitz B. **Methods Enzymol** 1986;119:39–47

Effect of purification procedures on the composition of human leukocyte interferon preparations. Kauppinen HL, et al. **Methods Enzymol** 1986;119:27–35

MRC OX-45 antigen: a leucocyte/endothelium rat membrane glycoprotein of 45,000 molecular weight. Arvieux J, et al. **Mol Immunol** 1986 Sep;23(9):983–90

Solubilization and characterization of moderate and high affinity histamine binding sites on human blood mononuclear cells. Warlow RS, et al. **Mol Immunol** 1987 Jan;24(1):27–37

Effect of two synthetic alpha-gliadin peptides on lymphocytes in celiac disease: identification of a novel class of opioid receptors. Graf L, et al. **Neuropeptides** 1987 Feb–Mar;9(2):113–22

Human nonspecific effector leukocytes: possible function in herpes simplex virus infection. Visser MR, et al. **Pathol Immunopathol Res** 1986;5(2):140–55 (119 ref.)

MB1, a quail leukocyte-endothelium antigen: partial characterization of the cell surface and secreted forms in cultured endothelial cells. Labastie MC, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9016–20

Analogs of leukotriene B4: effects of modification of the hydroxyl groups on leukocyte aggregation and binding to leukocyte leukotriene B4 receptors. Leblanc Y, et al. **Prostaglandins** 1987 May;33(5):617–25

Spontaneous immunoglobulin synthesis by peripheral mononuclear cells in active rheumatoid arthritis. Doekes G, et al. **Rheumatol Int** 1986;6(6):263–8

Leukocyte abnormalities in renal failure and hemodialysis. Hammerschmidt DE, et al. **Semin Nephrol** 1985 Jun; 5(2):91–103

The influence of HLA-A,B and -DR matching on leucocyte infiltration in renal allografts. McWhinnie DL, et al. **Tissue Antigens** 1987 Apr;29(4):214–23

Evaluation of the interaction of leucocytes from Chagas disease patients with trypomastigotes of Trypanosoma cruzi. Mosca W, et al. **Trans R Soc Trop Med Hyg** 1986; 80(6):975–7

Leukocyte binding and Ia-expression in vascular endothelium. Häyry P, et al. **Transplant Proc** 1987 Aug; 19(4 Suppl 5):42–3

Induction of human complement activation without cytolysis by mouse monoclonal antibodies to human leukocyte antigens. Sugita K, et al. **Transplantation** 1987 Apr; 43(4):570–4

Natural cell-mediated cytotoxicity to cells infected with infectious bovine rhinotracheitis virus. Chung S, et al. **Vet Immunol Immunopathol** 1987 Jan;14(1):45–56

The development and analysis of species specific and cross reactive monoclonal antibodies to leukocyte differentiation antigens and antigens of the major histocompatibility complex for use in the study of the immune system in cattle and other species. Davis WC, et al. **Vet Immunol Immunopathol** 1987 Jul;15(4):337–76

The persistence of infectious pancreatic necrosis virus in Atlantic salmon. Knott RM, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):359–64

Immunological activation of rainbow trout macrophages induced in vitro by sperm autoantibodies and factors derived from testis sensitised leucocytes. Secombes CJ. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):193–201

Cells found in non-infected and staphylococcus-infected bovine mammary quarters and their ability to phagocytose fluorescent microspheres. Concha C, et al. **Zentralbl Veterinarmed [B]** 1986 Jun;33(5):371–8

[Use of ovarian carcinoma tissue culture in the leukocyte migration inhibition test] Tolner J, et al. **Cas Lek Cesk** 1987 Apr 3;126(14):439–41 (Eng. Abstr.) **(Cze)**

[Are low cholesterol values really desirable? Significance of an adequate cholesterol supply for the leukocyte defense system] Bräuer H, et al. **Fortschr Med** 1986 Sep 25; 104(36):674–8 (Eng. Abstr.) **(Ger)**

[Leukocyte response] Christophers E, et al. **Hautarzt** 1985; 36 Suppl 7:61–4 **(Ger)**

[Leukocyte migration test following stimulation with protein factor of neutrophilic granulocytes (PMNL) in the peripheral blood of patients with psoriasis] Ciborska L, et al. **Z Hautkr** 1987 Mar 1;62(5):410–4 (Eng. Abstr.) **(Ger)**

[Extrusions of cell columns of leukocytes in rats with tumors in the migration test] Becker HD, et al. **Z Med Lab Diagn** 1986;27(8):430–4 (Eng. Abstr.) **(Ger)**

[Phagocytosis capacity of salivary leukocytes] Tiede D. **Zahn Mund Kieferheilkd** 1987;75(3):255–9 (Eng. Abstr.) **(Ger)**

[Gliadin and gliadophins: studies of structure and mechanism of action in lymphocytes in children with celiac disease] Gráf L, et al. **Orv Hetil** 1986 Dec 21;127(51):3105–10 (Eng. Abstr.) **(Hun)**

[Bactericidal and phagocytic properties of leukocytes and the bactericidal activity of the plasma in patients with Hodgkin's disease in remission] Wysocka J, et al. **Przegl Lek** 1987;44(2):281–4 (Eng. Abstr.) **(Pol)**

[The place of the leukocyte migration inhibition test in studying immunopathogenetic mechanisms in acute articular rheumatism] Debeleac L, et al. **Rev Ig [Bacteriol]** 1986 Jul–Sep;31(3):253–62 **(Rum)**

[Comparative immunochemical study of the system of soluble leukocyte antigens in women with chronic salpingo-oophoritis in the remission stage] Strizhova NV, et al. **Akush Ginekol (Mosk)** 1987 Mar;(3):44–6 (Eng. Abstr.) **(Rus)**

[Thomsen's antigen in the leukocytes of leukemia patients] Berdinskikh MS, et al. **Biull Eksp Biol Med** 1987 Mar; 103(3):334–6 (Eng. Abstr.) **(Rus)**

[Dynamics of the phagocytosis of the neutrophils and white blood cells in metallurgical plant operators in connection with shift work] Kleshchenogov SA, et al. **Fiziol Cheloveka** 1987 Mar–Apr;13(2):270–7 **(Rus)**

[Characteristics of the antigenic structure of membranes of malignant cells in patients with acute leukemia] Miterev GIu, et al. **Gematol Transfuziol** 1986 Sep;31(9):15–21 (Eng. Abstr.) **(Rus)**

[Erythrocyte and leukocyte alloantigens of donors immunized with staphylococcal toxoid] Zaitseva GA, et al. **Gematol Transfuziol** 1987 Jan;32(1):59–62 **(Rus)**

[Biochemical and immunological characteristics of white blood cells exposed by inhalation to the products of microbiological synthesis] Sokolovskii VV, et al. **Gig Sanit** 1987 May;(5):49–52 (Eng. Abstr.) **(Rus)**

[Effect of polymetallic catalysts on various biochemical immunologic indicators in experimental animals] Merkur'eva RV, et al. **Gig Tr Prof Zabol** 1987 Feb;(2):26–9 (Eng. Abstr.) **(Rus)**

[Characteristics of the blood leukocyte migration capacity in acute appendicitis] Kuznetsov VI, et al. **Klin Khir** 1987; (4):60 **(Rus)**

[Use of the spectrophotometric method of determining antibody-dependent cell-mediated cytotoxicity in the differential diagnosis of rheumatic and non-rheumatic myocarditis] Gritsiuk AI, et al. **Lab Delo** 1987;(5):374–7 (Eng. Abstr.) **(Rus)**

[Migratory activity of leukocytes and status of proteolysis in patients with malignant lymphomas during radiation and detoxification therapy] Klimov IA, et al. **Lab Delo** 1987; (2):42–4 (Eng. Abstr.) **(Rus)**

[Adaptation of a complex of methods for primary immunologic examination to analysis of capillary blood from the finger] Lebedev KA, et al. **Lab Delo** 1987; (7):532–6 (Eng. Abstr.) **(Rus)**

[Changes in leukocyte migration in response to antigens of the principal agents of infectious complications in patients with burns] Minkina AE, et al. **Lab Delo** 1987;(6):441–4 (Eng. Abstr.) **(Rus)**

[Clinical significance of the leukocyte migration inhibition reaction to human liver lipoprotein in children with chronic hepatitis and liver cirrhosis] Imbaeva AA, et al. **Pediatriia** 1986 Nov;(11):39–41 (Eng. Abstr.) **(Rus)**

[Hematological criteria of the reactivity of children of health group I in the system of general mass screening] Osin AIa. **Pediatriia** 1986 Aug;(8):8–11 (Eng. Abstr.) **(Rus)**

[Effect of hemoperfusion therapy on the system of soluble leukocyte antigens in systemic rheumatic and similar diseases] Dmitriev AA, et al. **Revmatologiia (Moskva)** 1987 Jan–Mar;(1):21–5 (Eng. Abstr.) **(Rus)**

[Phagocytizing blood cells in dysentery] Telber EL, et al. **Sov Med** 1986;(7):21–5 (Eng. Abstr.) **(Rus)**

[Daily fluctuations of interferon induction in the blood leukocytes of children vaccinated with measles and mumps vaccines] Aksenov OA, et al. **Tr Inst Pastera** 1985;62:130–2 **(Rus)**

[Use of a micromethod in the leukocyte migration inhibition test for evaluating the status of cellular immunity in measles] Miroshnikova NK. **Tr Inst Pastera** 1985;62:54–8 **(Rus)**

[Effect of 3-hydroxyanthranilic acid-antigen on the migration of peripheral blood leukocytes in patients with bladder tumors] Korosteleva TA, et al. **Vopr Onkol** 1987; 33(5):59–62 (Eng. Abstr.) **(Rus)**

[Leukocyte migration and the NBT test indices in acute and protracted forms of pneumonia] Shcherbakov VI, et al. **Vrach Delo** 1986 Dec;(12):72–5 (Eng. Abstr.) **(Rus)**

[Evaluation of cellular immunity in patients with amebic liver abscess using the leukocyte migration inhibition test] Santa-Cruz M, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:319–26 (Eng. Abstr.) **(Spa)**

METABOLISM

Metabolic balance studies for zinc and copper in housebound elderly people and the relationship between zinc balance and leukocyte zinc concentrations. Bunker VW, et al. **Am J Clin Nutr** 1987 Aug;46(2):353–9

Effect of high-fat diet on cholesterol distribution in plasma lipoproteins, cholesterol esterifying activity in leucocytes, and erythrocyte membrane components studied: importance of body weight. Shanmugasundaram KR, et al. **Am J Clin Nutr** 1986 Dec;44(6):805–15

Phospholipid base exchange activity in the leukocyte membranes of patients with inflammatory disorders. Niwa Y, et al. **Am J Pathol** 1987 May;127(2):317–26

Effect of aldosterone on sodium and potassium concentrations in human mononuclear leukocytes. Wehling M, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):E505–8

Chemiluminescence of lung macrophages and blood leukocytes in sarcoidosis [letter] Wallaert B, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1333–4

Reduced leucocyte zinc and albumin-bound zinc in blood of haemodialysis patients. Foote JW, et al. **Ann Clin Biochem** 1987 Mar;24 (Pt 2):198–202

Uptake of ascorbic acid by leukocytes. Moser U. **Ann NY Acad Sci** 1987;498:200–15

Uptake of chloroquine and hydroxychloroquine by human blood leucocytes in vitro: relation to cellular concentrations during antirheumatic therapy. French JK, et al. **Ann Rheum Dis** 1987 Jan;46(1):42–5

Phospholipid base exchange in human leukocyte membranes: quantitation and correlation with other phospholipid biosynthetic pathways. Niwa Y, et al. **Arch Biochem Biophys** 1986 Nov 1;250(2):345–57

Synthesis of interferon in human leukocyte cells stimulated with influenza virus. Sypula A, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(1):45–8

Increased production of arachidonate metabolites by peritoneal cells of mice infected with Plasmodium vinckei vinckei. Clark IA, et al. **Aust J Exp Biol Med Sci** 1986 Oct;64 (Pt 5):415–8

Stress depresses interferon production by leukocytes concomitant with a decrease in natural killer cell activity. Glaser R, et al. **Behav Neurosci** 1986 Oct;100(5):675–8

Leukotrienes and related eicosanoids are produced by frog leukocytes. Green FA, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):309–14

A phospholipase A2 isoenzyme provokes lipoxin B formation from endogenous sources of arachidonic acid in porcine leukocytes. Lam BK, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):123–31

Copper transport from Cu(I)-thionein into apo-caeruloplasmin mediated by activated leucocytes. Schechinger T, et al. **Biochem J** 1986 Nov 15;240(1):281–3

5-Aminosalicylate: oxidation by activated leukocytes and protection of cultured cells from oxidative damage. Dull BJ, et al. **Biochem Pharmacol** 1987 Aug 1;36(15):2467–72

The acute in vitro effect of ethanol, its metabolites and other toxic alcohols on ion flux in isolated human leucocytes and erythrocytes. Green RJ, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3457–64

Involvement of leukocytes in the oxygenation and chlorination reaction of phenylbutazone. Ichihara S, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):3935–9

Regulation by serine esterase of histamine release from human

leukocytes--I. Direct release of histamine by the serine esterase inhibitors diisopropyl fluorophosphate (DFP) and soman (GD). Meier HL, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4125–30

Effects of cell isolation procedures and radioligand selection on the characterization of human leukocyte beta-adrenergic receptors. Szefler SJ, et al. **Biochem Pharmacol** 1987 May 15;36(10):1589–97

Cerebroside sulfuric ester (sulfatide) induces oxygen radical generation in guinea-pig leukocytes. Chiba T, et al. **Biochim Biophys Acta** 1987 Aug 19;930(1):10–8

Activation of leukocyte movement and displacement of [3H]leukotriene B4 from leukocyte membrane preparations by (12R)- and (12S)-hydroxyeicosatetraenoic acid. Evans JF, et al. **Biochim Biophys Acta** 1987 Feb 23;917(3):406–10

Transformation of 15-hydroperoxyeicosapentaenoic acid to lipoxin A5 and B5, mono- and dihydroxyeicosapentaenoic acids by porcine leukocytes. Lam BK, et al. **Biochim Biophys Acta** 1987 Feb 23;917(3):398–405

Lysophosphatidylserine-dependent interaction between rat leukocytes and mast cells. Mietto L, et al. **Biochim Biophys Acta** 1987 Sep 14;930(2):145–53

Age-related deficiency of the synthesis of platelet activating factor by leukocytes from Zellweger patients. Sturk A, et al. **Blood** 1987 Aug;70(2):460–3

Amiodarone and multilamellar inclusion bodies. Somani P, et al. **Br J Clin Pharmacol** 1987 Aug;24(2):237–9

Reversible inhibition of leucocyte sodium pumps by a serum factor in essential hypertension [letter] Oh VM, et al. **Br Med J [Clin Res]** 1986 Oct 25;293(6554):1101–2

Reversible inhibition of leucocyte sodium pumps by circulating serum factor in essential hypertension [letter] Poston L, et al. **Br Med J [Clin Res]** 1986 Oct 18; 293(6553):1029

Metabolic activation of diethylstilbestrol by stimulated human leukocytes. Eastmond DA, et al. **Cancer Lett** 1987 Apr;35(1):79–86

Metabolism of tiazofurin by human erythrocytes and mononuclear blood cells in vitro. Roberts JD, et al. **Cancer Lett** 1986 Aug;32(2):193–7

Aromatic DNA adducts in human bone marrow and peripheral blood leukocytes. Phillips DH, et al. **Carcinogenesis** 1986 Dec;7(12):2071–5

Reduced plasma and white blood cell selenium levels in haemodialysis patients. Foote JW, et al. **Clin Chim Acta** 1987 May 15;164(3):323–8

The leucocyte sodium pump in healthy and obese subjects: the association of insulin with its activity. Ng LL, et al. **Clin Endocrinol (Oxf)** 1986 Oct;25(4):383–92

The determination of mineralocorticoid receptors in human mononuclear leukocytes from patients with mineralocorticoid excess: physiological and pathological implications. Armanini D, et al. **Clin Exp Hypertens [A]** 1986;8(4–5):781–5

Induction of interferon-gamma in human leukocyte cultures stimulated by Zn2+. Salas M, et al. **Clin Immunol Immunopathol** 1987 Oct;45(1):139–42

Ion flux and Na+,K+-ATPase activity of erythrocytes and leucocytes in thyroid disease. Khan FA, et al. **Clin Sci** 1987 Feb;72(2):171–9

Non-esterified fatty acids may regulate human leucocyte sodium pump activity. Ng LL, et al. **Clin Sci** 1986 Dec; 71(6):737–42

Induction of metallothionein synthesis in human peripheral blood leukocytes. Peavy DL, et al. **Environ Res** 1987 Apr; 42(2):377–85

Production of 5-lipoxygenase pathway metabolites by peripheral leucocytes in capillary leak syndrome (Clarkson disease). Rondeau E, et al. **Eur J Clin Invest** 1987 Feb; 17(1):53–7

Evidence for a 5(6)-epoxytetraene intermediate in the biosynthesis of lipoxins in human leukocytes. Conversion into lipoxin A by cytosolic epoxide hydrolase. Puustinen T, et al. **FEBS Lett** 1986 Oct 20;207(1):127–32

Leukocyte receptors for lipid and peptide mediators. Goetzl EJ. **Fed Proc** 1987 Jan;46(1):190–1

Leukocyte-derived metabolites of arachidonic acid in ischemia-induced myocardial injury. Mullane KM, et al. **Fed Proc** 1987 May 15;46(7):2422–33 (135 ref.)

Determination of the cellular uptake of daunorubicin in human leukemia in vivo: method of examination and first results. Scheulen ME, et al. **Hamatol Bluttransfus** 1987; 30:298–301

Effect of cold pressor test-induced stress on leukocyte sodium transport and norepinephrine. Riozzi A, et al. **Hypertension** 1987 Jan;9(1):13–7

Histamine releasing activity (HRA) produced by leukocytes co-cultured with tumor cells. Langford MP, et al. **Immunol Invest** 1987 Apr;16(2):129–38

Kinetics of prostaglandin E2 and thromboxane A2 synthesis and suppression of PHA-stimulated peripheral blood mononuclear leucocytes. Awara W, et al. **Immunology** 1986 Dec;59(4):557–62

Effect of CI-922, a potential new antiallergy agent, on arachidonic acid metabolism in vitro. Boctor AM, et al. **Inflammation** 1986 Dec;10(4):435–41

Time-course of IgE binding to rat peritoneal cells after sensitization with alum-adsorbed ovalbumin and Bordetella pertussis. Behrendt H. **Int Arch Allergy Appl Immunol** 1987; 82(3–4):283–8

Postburn serum inhibits in vitro production of colony-stimulating factor by mononuclear peripheral blood cells. Iyengar VG, et al. **Int J Cell Cloning** 1986 Nov; 4(6):472–82

Prevention of viral myocarditis with recombinant human leukocyte interferon alpha A/D in a murine model. Matsumori A, et al. **J Am Coll Cardiol** 1987 Jun;9(6):1320–5

Diminished phospholipid incorporation of essential fatty acids in peripheral blood leucocytes from patients with Crohn's disease: correlation with zinc depletion. Cunnane SC, et al. **J Am Coll Nutr** 1986;5(5):451–8

Lipoxin A. Stereochemistry and biosynthesis. Serhan CN, et al. **J Biol Chem** 1986 Dec 15;261(35):16340–5

In vivo immunoreactive adrenocorticotropin (ACTH) production by human mononuclear leukocytes from normal and ACTH-deficient individuals. Meyer WJ 3d, et al. **J Clin Endocrinol Metab** 1987 Jan;64(1):98–105

Genetic and environmental factors influencing cellular sodium transport in essential hypertension. Hilton PJ. **J Clin Hypertens** 1986 Jun;2(2):109–13

Platelet-activating factor: mediator of the third pathway of platelet aggregation? A study in three patients with deficient platelet-activating factor synthesis. Sturk A, et al. **J Clin Invest** 1987 Feb;79(2):344–50

Induction of procoagulant activity in human leukocytes with lipoglycans from mycoplasmas. Miragliotta G, et al. **J Clin Microbiol** 1987 Jul;25(7):1295–7

A polymorphism of the complement regulatory protein MCP (membrane cofactor protein or gp45–70). Ballard L, et al. **J Immunol** 1987 Jun 1;138(11):3850–5

Herpes simplex virus-induced immunespecific interferon production by cryopreserved human peripheral blood mononuclear leukocytes. Reichman RC, et al. **J Immunol Methods** 1986 Nov 6;93(2):241–6

Uptake of nickel(II) by human peripheral mononuclear leukocytes. Menon CR, et al. **J Inorg Biochem** 1986 Oct-Nov;28(2–3):217–25

Rat leukocyte interferons: production of an acid-labile interferon after induction with Newcastle disease virus. Wiedbrauk DL, et al. **J Leukocyte Biol** 1987 Jul;42(1):21–9

Ontogeny of phytohemagglutinin-induced gamma interferon by leukocytes of healthy infants and children: evidence for decreased production in infants younger than 2 months of age. Frenkel L, et al. **J Pediatr** 1987 Jul;111(1):97–100

Changes in glutathione and its metabolizing enzymes in human erythrocytes and lymphocytes with age. Al-Turk WA, et al. **J Pharm Pharmacol** 1987 Jan;39(1):13–6

Spontaneous secretion of a proteoglycan releasing factor by mononuclear cells in juvenile arthritis. Silverman ED, et al. **J Rheumatol** 1987 Jun;14(3):540–7

Leukocyte C5a receptor modulation during hemodialysis. Lewis SL, et al. **Kidney Int** 1987 Jan;31(1):112–20

Differences of superoxide production in blood leukocytes stimulated with thymol between human and non-human primates. Suzuki Y, et al. **Life Sci** 1987 Sep 28; 41(13):1659–64

Interleukin 2 binding capacity of human mononuclear leukocytes. Horst HJ, et al. **Lymphokine Res** 1986;5 Suppl 1:S55–9

Study of the relationship between the granulocyte LDH, alkaline phosphatase and Zn at the level of the leukocyte in patients with chronic myeloid leukemia. Chirulescu Z, et al. **Med Interne** 1986 Jul-Sep;24(3):221–5

Guanine nucleotide regulatory proteins in receptor-mediated polyphosphoinositide hydrolysis in human leukocytes. Smith CD, et al. **Methods Enzymol** 1987;141:261–71

Human interferon-gamma (IFN-gamma) containing cells bear various surface phenotypic markers. Sugawara I, et al. **Microbiol Immunol** 1986;30(10):1049–59

Sendai virus induces high levels of tumor necrosis factor mRNA in human peripheral blood leukocytes. Berent SL, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):8997–9015

Studies on the activities of tannins and related compounds; VIII. Effects of geraniin, corilagin, and ellagic acid isolated from geranii herba on arachidonate metabolism in leukocytes. Kimura Y, et al. **Planta Med** 1986 Aug; (4):337–8

Leukotriene B3, leukotriene B4 and leukotriene B5; binding to leukotriene B4 receptors on rat and human leukocyte membranes. Charleson S, et al. **Prostaglandins** 1986 Oct; 32(4):503–16

Regulation of in vitro human leukocyte interferon production: effect of prostaglandin synthetase and phosphodiesterase inhibition. Ikosi MG, et al. **Res Commun Chem Pathol Pharmacol** 1986 Dec; 54(3):379–93

Cross reactions between porcine, bovine and ovine interleukin-2 preparations. Denyer MS, et al. **Res Vet Sci** 1987 Mar;42(2):252–4

Lymphocyte activation and induction of interferon gamma in human leucocyte cultures by the mitogen in Mycoplasma arthritidis supernatant (MAS). Kirchner H, et al. **Scand J Immunol** 1986 Nov;24(5):609–13

Reduced production of interferon alpha and interferon gamma in leukocyte cultures from patients with active rheumatoid arthritis. Seitz M, et al. **Scand J Rheumatol** 1987;16(4):257–62

Treatment of established prosthetic vascular graft infection with antibiotics preferentially concentrated in leukocytes. Wakefield TW, et al. **Surgery** 1987 Jul;102(1):8–14

[Arachidonic acid metabolism of leukocytes] Wang ZR. **Sheng Li Ko Hsueh Chin Chan** 1986 Jul;17(3):250–4 (27 ref.) **(Chi)**

[Release of histamine and slow reacting substance from leukocytes of asthmatic children stimulated by calcium ionophore A23187 and zymosan activated serum] Katagiri M, et al. **Arerugi** 1986 Sep;35(9):936–44 (Eng. Abstr.) **(Jpn)**

[Inflammation and production of monokines. Origin of interleukin 1] Ishida Y, et al. **Nippon Rinsho** 1987 May; 45(5):954–60 (28 ref.) **(Jpn)**

[Production of acute phase proteins in the liver. Extra-hepatic biosynthesis of acute phase proteins] Taoka Y. **Nippon Rinsho** 1987 May;45(5):1048–57 (32 ref.) **(Jpn)**

[Polyamine levels and biosynthesis in leukocytes during leukemic transformation] Saltykova LB, et al. **Eksp Onkol** 1987;9(2):18–21 (Eng. Abstr.) **(Rus)**

[Various indices of nonspecific resistance in pneumonia patients] Nagoev BS. **Sov Med** 1987;(6):58–9 **(Rus)**

[Interferon-synthesizing function of leukocytes in patients with diabetes mellitus] Bondar' IA, et al. **Ter Arkh** 1986; 58(10):88–91 (Eng. Abstr.) **(Rus)**

[Cytochemical and electron microscopic research on the peripheral blood leukocytes and skin fibroblasts in mucopolysaccharidoses] Barer FS, et al. **Tsitol Genet** 1986 Sep-Oct;20(5):330–4 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Cyclophosphamide immunosuppression during lymphotropic herpesvirus infection in the guinea pig model. A histopathologic and virologic study. McCormick S, et al. **Am J Pathol** 1987 Jun;127(3):538–48

Unique p24 epitope marker to identify multiple human immunodeficiency virus variants in blood from the same individuals. Bolton V, et al. **J Clin Microbiol** 1987 Aug; 25(8):1411–5

Differential ability of human immunodeficiency virus isolates to productively infect human cells. Evans LA, et al. **J Immunol** 1987 May 15;138(10):3415–8

Hepatitis B virus infection of cord blood leukocytes. Shen HD, et al. **J Med Virol** 1987 Jul;22(3):211–6

A method for freeing murine plasmodia of contaminating lactate dehydrogenase elevating virus. Parke LM, et al. **J Parasitol** 1986 Dec;72(6):956–8

Human infection with Ehrlichia canis, a leukocytic rickettsia. Maeda K, et al. **N Engl J Med** 1987 Apr 2;316(14):853–6

PARASITOLOGY

Blastogenic responses of peripheral blood leukocytes from owl monkeys experimentally infected with Leishmania braziliensis panamensis. Lujan R, et al. **Am J Trop Med Hyg** 1986 Nov;35(6):1103–9

Failure to detect circulating Leishmania in mucocutaneous leishmaniasis due to Leishmania braziliensis braziliensis [letter] Cuba-Cuba CA, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):346

PATHOLOGY

Isolation and characterization of inflammatory leukocytes from glomeruli in an in situ model of glomerulonephritis in the rat. Cook HT, et al. **Am J Pathol** 1987 Jan; 126(1):126–36

Endothelial loss due to leukocytes in canine experimental vein-to-artery grafts. Lerner RG, et al. **Blood Vessels** 1986; 23(4–5):173–82

Flow cytochemical patterns of white blood cells in human haematopoietic malignancies. I. Acute leukaemias. Drewinko B, et al. **Br J Haematol** 1987 May;66(1):27–36

Leucocytes in the ejaculate from fertile and infertile men. el-Demiry MI, et al. **Br J Urol** 1986 Dec;58(6):715–20

Cytogenetic study of circulating blasts in leukemias. Michalová K, et al. **Cancer Genet Cytogenet** 1987 Apr; 25(2):329–39

New dip-and-read test for determining leukocytes in urine. Skjold AC, et al. **Clin Chem** 1987 Jul;33(7):1242–5

Typing of intraglomerular mononuclear cells associated with transplant glomerular rejection. Hiki Y, et al. **Clin Nephrol** 1986 Nov;26(5):244–9

A gelatin sponge model for studying tumor growth: quantitation of tumor cells and leukocytes in the CHO tumor. Akporiaye ET, et al. **Experientia** 1987 Jun 15; 43(6):589–93

Enhanced endothelial permeability and invasion of leukocytes into the artery wall as initial events in experimental arteriosclerosis. Kling D, et al. **Int Angiol** 1987 Jan-Mar;6(1):21–8

Critical color rendition in hematopathology. Bruder LF. **J Biol Photogr** 1982 Jul;50(3):97–100

Characterization of mononuclear cells in cyclosporin A induced gingival enlargement. Friskopp J, et al. **Scand J Dent Res** 1986 Oct;94(5):443–7

Activation marker analysis of mononuclear cell infiltrates of oral lichen planus in situ. Kilpi AM. **Scand J Dent Res** 1987 Apr;95(2):174–80

White cell fragmentation after therapeutic leukapheresis for acute leukemia. Van Rybroek JJ, et al. **Transfusion** 1987 Jul-Aug;27(4):353–5

Morphometric analysis of cellular infiltration assessed by monoclonal antibody labeling in sequential human renal allograft biopsies. McWhinnie DL, et al. **Transplantation** 1986 Oct;42(4):352–8

[Leukocytosis, the leftward shift of the white blood picture and leukemoid reactions in the internal medicine clinic] Kürnolski I, et al. **Vutr Boles** 1987;26(2):99–103 (Eng.

Abstr.) (Bul)
[Usefulness of the Cytur-Test in clinical practice] Glebski J, et al. **Pol Tyg Lek** 1986 Sep 29;41(39):1261-4 (Eng. Abstr.) (Pol)
[Cytomorphologic, cytochemical and functional characteristics of cells from the peritoneal dialysate of patients with terminal renal failure treated by intermittent peritoneal dialysis. I. Quantitative and qualitative characteristics of the cells of the peritoneal dialysate] Sakowicz W. **Przegl Lek** 1987;44(3):326-35 (Eng. Abstr.) (Pol)
[Method for studying leukocytes in the duodenal secretion] Maikos' R.P. **Lab Delo** 1986;(11):655-7 (Eng. Abstr.) (Rus)
[Importance of the method of concentrating leukocytes in the early detection of acute leukemia in cytopenic states] Solovei Dia, et al. **Ter Arkh** 1986;58(9):34-6 (Rus)
[Hematologic and cytochemical studies in occupational allergic dermatoses] Sokolov VV, et al. **Vestn Dermatol Venerol** 1987;(5):19-24 (Eng. Abstr.) (Rus)
[Dynamics of the leukocytic index of intoxication in patients with acute cholecystitis] Zhigalkin GV, et al. **Vestn Khir** 1987 Mar;138(3):34-7 (Rus)
[Effect of health resort therapy on the morphological composition of the peripheral blood leukocytes in patients with chronic diseases of the gastrointestinal tract] Rudshtein IG. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Sep-Oct;(5):14-7 (Eng. Abstr.) (Rus)
[Leukocyte and blood protein changes in experimental cryptococcosis in guinea pigs] Masih DT, et al. **Rev Latinoam Microbiol** 1986 Jul-Sep;28(3):259-64 (Eng. Abstr.) (Spa)

PHYSIOLOGY

Effect of Pseudomonas aeruginosa proteases on human leukocyte phagocytosis and bactericidal activity. Kharazmi A, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1986 Oct;94(5):175-9
Simple method for observing migrating leucocytes in the skin of mirror carp (Cyprinus carpio L.). Sövényi JF, et al. **Acta Vet Hung** 1986;34(1-2):61-5
Leukocytes are required for the trypsin-induced increase in lung vascular permeability. Garcia-Szabo RR, et al. **Am J Pathol** 1986 Sep;124(3):377-83
Cyclic AMP-dependent regulation of lipid mediators in white cells. A unifying concept for explaining the efficacy of theophylline in asthma. Kuehl FA Jr, et al. **Am Rev Respir Dis** 1987 Jul;136(1):210-3 (26 ref.)
The influence of emotional state on the mobilization of marginal pool leukocytes after insulin-induced hypoglycemia. A possible role for eicosanoids as major mediators of psychosomatic processes. Melmed RN, et al. **Ann NY Acad Sci** 1987;496:467-76
Leukocyte adhesion deficiency: an inherited defect in the Mac-1, LFA-1, and p150,95 glycoproteins. Anderson DC, et al. **Annu Rev Med** 1987;38:175-94
Immune disregulation of hematopoiesis. Mangan KF. **Annu Rev Med** 1987;38:61-70 (83 ref.)
Response of leukocytes in chickens infected with the avian schistosome Austrobilharzia variglandis (Trematoda). Ferris M, et al. **Avian Dis** 1986 Oct-Dec;30(4):683-6
Receptors for anaphylatoxic peptides. Bitter-Suermann D. **Behring Inst Mitt** 1987 Jun;(81):134
Involvement of leukocyte and glucocorticoid in the acute-phase response of angiotensinogen. Okamoto H, et al. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1225-30
In vivo leucocyte interactions with the NHLBI-DTB primary reference materials: polyethylene and silica-free polydimethylsiloxane. Spilizewski KL, et al. **Biomaterials** 1987 Jan;8(1):12-7
L-triiodothyronine augments erythropoietic growth factor release from peripheral blood and bone marrow leukocytes. Dainiak N, et al. **Blood** 1986 Dec;68(6):1289-97
Clinical experience with transfusion of leukocyte-poor platelet concentrates prepared by filtration with prostacyclin. van Prooijen HC, et al. **Blood** 1987 Jul; 70(1):243-6
Alterations by leukocytes of erythrocyte flow in microchannels. La Celle PL. **Blood Cells** 1986;12(1):179-89
Leukocyte-derived inhibitory activity in patients with myelodysplastic syndrome. Cukrová V, et al. **Blut** 1987 Sep;55(3):165-71
Differential pattern of oncogene and beta-actin expression in leukaemic cells from AML patients. Blomberg J, et al. **Br J Haematol** 1987 Jan;65(1):83-6
Heterogeneous mutations in the beta subunit common to the LFA-1, Mac-1, and p150,95 glycoproteins cause leukocyte adhesion deficiency. Kishimoto TK, et al. **Cell** 1987 Jul 17;50(2):193-202
Effect of LTB4 and its isomers on human leucocyte migration into skin chambers. Scheja A, et al. **Clin Exp Rheumatol** 1986 Oct-Dec;4(4):323-9
In vivo chemotaxis of rat leucocytes to N-formyl-L-methionyl-L-leucyl-L-phenylalanine (FMLP). Onyia KA. **Comp Immunol Microbiol Infect Dis** 1987;10(1):33-9
Leucocyte migration into cotton pellets: a new in vivo method for the study of chemotaxis and leucocytic migration. Onyia KA. **Comp Immunol Microbiol Infect Dis** 1986;9(1):79-88
The role of leukocyte depletion in reducing injury to the lung after hypothermic ischemia. Hall TS, et al. **Curr Surg** 1987 Mar-Apr;44(2):137-9
Altered red and white blood cell rheology in type II diabetes. Ernst E, et al. **Diabetes** 1986 Dec;35(12):1412-5
Eicosanoids and equine leucocyte locomotion in vitro. Lees P, et al. **Equine Vet J** 1986 Nov;18(6):493-7
Leukocyte, lymphocyte and platelet response to dynamic exercise. Duration or intensity effect? Gimenez M, et al. **Eur J Appl Physiol** 1986;55(5):465-70
LFA-1 beta-chain synthesis and degradation in patients with leukocyte-adhesive proteins deficiency. Dimanche MT, et al. **Eur J Immunol** 1987 Mar;17(3):417-9
Effect of various mitogens on the replication of Japanese encephalitis virus in human mononuclear leukocyte cultures. Kedarnath N, et al. **Indian J Med Res** 1986 Sep; 84:231-8
The effects of cyclosporin A on leucocyte infiltration and procoagulant activity in the mouse delayed hypersensitivity response in vivo. Dunn CJ, et al. **Int J Immunopharmacol** 1986;8(6):635-43
Hematocrit fluctuations within capillary tubes and estimation of Fåhraeus effect. Secomb TW, et al. **Int J Microcirc Clin Exp** 1987;5(4):335-45
Effects of endogenous pyrogen and prostaglandin E2 on hypothalamic neurons in guinea pig brain slices. Ono T, et al. **J Appl Physiol** 1987 Jul;63(1):175-80
Role of guanine nucleotide regulatory protein in polyphosphoinositide degradation and activation of phagocytic leukocytes by chemoattractants. Verghese MW, et al. **J Cell Biochem** 1986;32(1):59-69 (56 ref.)
Optimal conditions for the induction of human mononuclear leukocytes by complexed polyinosinic-polycytidylic acid. Kaplan H, et al. **J Clin Lab Immunol** 1987 Mar;22(3):153-6
Aggregation of white cells and C-reactive protein: relation between these two indices in acute phase reaction. Berliner S, et al. **J Clin Pathol** 1987 Jan;40(1):103-6
Twenty-four hour lung preservation by hypothermia and leukocyte depletion. Breda MA, et al. **J Heart Transplant** 1985 May;4(3):325-9
Interleukin 1 induces interleukin 1. I. Induction of circulating interleukin 1 in rabbits in vivo and in human mononuclear cells in vitro. Dinarello CA, et al. **J Immunol** 1987 Sep 15;139(6):1902-10
Leukocyte-endothelial cell recognition: evidence of a common molecular mechanism shared by neutrophils, lymphocytes, and other leukocytes. Lewinsohn DM, et al. **J Immunol** 1987 Jun 15;138(12):4313-21
Induction of mRNA for a serine protease and a beta-thromboglobulin-like protein in mitogen-stimulated human leukocytes. Schmid J, et al. **J Immunol** 1987 Jul 1;139(1):250-6
Peripheral blood mononuclear leukocytes release a mediator(s) that induces phagocytosis of C-reactive protein-coated cells by polymorphonuclear leukocytes. Kilpatrick JM, et al. **J Leukocyte Biol** 1987 Feb;41(2):150-5
Model for leukocyte regulation by chemoattractant receptors: roles of a guanine nucleotide regulatory protein and polyphosphoinositide metabolism. Snyderman R, et al. **J Leukocyte Biol** 1986 Dec;40(6):785-800 (102 ref.)
Transient behavior of a chemotaxis system modelling certain types of tissue inflammation. Alt W, et al. **J Math Biol** 1987;24(6):691-722
Stochastic model of leukocyte chemosensory movement. Trar guillo RT, et al. **J Math Biol** 1987;25(3):229-62
Leucopoiesis. Boggs DR, et al. **J Reprod Fertil [Suppl]** 1970; 10:139-46
Leucocytes and sperm capacitation. Ericsson RJ. **J Reprod Fertil [Suppl]** 1970;10:147-51 (33 ref.)
Leucocytes and infertility. Parr EL. **J Reprod Fertil [Suppl]** 1970;10:153-70 (60 ref.)
Leukocyte depletion enhances cultured endothelial retention on vascular prostheses. Emerick S, et al. **J Vasc Surg** 1987 Feb;5(2):342-7
Differential leucocyte cell counts from the pygoscelid penguins of Antarctica. Zinsmeister VA, et al. **J Wildl Dis** 1987 Jul;23(3):521-3
Altered lipoxygenase metabolites and leukocyte involvement in an acute occlusion-reperfusion model of canine myocardial infarction. Kuzuya T, et al. **Jpn Circ J** 1987 Apr;51(4):465-70
Chromosome aberrations in leukocytes of filaria-infected indigenous inhabitants in the Philippines. Hirai M, et al. **Jpn J Exp Med** 1986 Dec;56(6):285-91
Leukocyte functions. van der Valk P, et al. **Lab Invest** 1987 Feb;56(2):127-37 (135 ref.)
Basic methods for the study of phagocytosis. Absolom DR. **Methods Enzymol** 1986;132:95-180
In vitro and in vivo measurement of phagocytosis by flow cytometry. Stewart CC, et al. **Methods Enzymol** 1986; 132:183-92
Leukocytes, thrombosis, and unstable angina [letter] de Lorgeril M, et al. **N Engl J Med** 1987 Apr 30;316(18):1161
The leukocyte membrane and its contribution to thrombosis and haemostasis—with special reference to tissue factor. Tanaka H, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Dec; 49(8):1583-94
Mo1 surface glycoprotein: structure, function and clinical importance. Dana N, et al. **Pathol Immunopathol Res** 1986; 5(3-5):371-83 (90 ref.)
Beta-adrenoceptor function in white blood cells from newborn infants: no relation to plasma catecholamine levels. Boreus LO, et al. **Pediatr Res** 1986 Nov; 20(11):1152-5
Inhibition of histamine secretion from rat peritoneal mast cells and rabbit leukocytes by p-bromophenacyl bromide, a phospholipase A2 inhibitor. Chand N, et al. **Res Commun Chem Pathol Pharmacol** 1987 Jan;55(1):17-24
Leukocyte rheology in recent stroke. Ernst E, et al. **Stroke** 1987 Jan-Feb;18(1):59-62
The role of leukocytes in the production of oxygen-derived free radicals in acute experimental pancreatitis. Sarr MG, et al. **Surgery** 1987 Mar;101(3):292-6
The clinical relevance of the flow properties of blood cells. Dormandy JA. **Wien Med Wochenschr** 1986;136 Spec No:41-3 (10 ref.)
Current trends in leukocyte activation. Simchowitz L. **Year Immunol** 1985;:122-8
[The role of leukocytes in the pathogenesis of microcirculatory disorders during shock] Zhao KS. **Chung Hua I Hsueh Tsa Chih** 1986 Dec;66(12):722-5, 774 (Eng. Abstr.) (Chi)
[Changes in the biological functions of leukocytes in thrombophlebitis] Szpak A, et al. **Pol Arch Med Wewn** 1986 Apr;75(4):274-80 (Eng. Abstr.) (Pol)
[The circadian biorhythm of leukocytes] Petrouic O, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan-Mar;90(1):115-21 (Eng. Abstr.) (Rum)
[Effect of a leukocytic serum preparation on hematopoietic cells in vitro] Bueverova EL, et al. **Biull Eksp Biol Med** 1986 Sep;102(9):337-9 (Eng. Abstr.) (Rus)
[Combined effect of hyperbaric states and low temperatures on blood cells] Gittel'zon II, et al. **Dokl Akad Nauk SSSR** 1986;291(2):476-9 (Rus)
[Participation of leukocytes in primary hemostasis] Arkhipov BF, et al. **Ter Arkh** 1987;59(6):59-63 (Eng. Abstr.) (Rus)
[Leukocyte-thrombocyte interactions in chronic myeloleukemia and erythremia] Arkhipov BF, et al. **Ter Arkh** 1986;58(9):88-92 (Eng. Abstr.) (Rus)
[Functional indices of the leukocytes in ischemic heart disease patients] Karpov RS, et al. **Ter Arkh** 1986;58(12):67-9 (Rus)
[Use of tests characterizing the locomotor activity of phagocytic cells in the differential diagnosis of forms of bronchial asthma] Totolian AA, et al. **Ter Arkh** 1987; 59(3):23-5 (Rus)
[Immunologic status and leukocyte function of patients with suppurative lactational mastitis] Mel'nikova VN, et al. **Vestn Khir** 1986 Dec;137(12):47-50 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

[Effect of 2-cyanoethylurea, thymus extract and lithium carbonate on the leukocyte count in peripheral blood following whole body irradiation] Saul G, et al. **Onkologie** 1986 Oct;9(5):257-61 (Eng. Abstr.) (Ger)
[Hematologic changes in C57BL mice exposed to whole body irradiation with radioactive cobalt] Segreto RA, et al. **Rev Paul Med** 1986 Jul-Aug;104(4):192-5 (Eng. Abstr.) (Por)
[Possibility of using the structural disruption effect in leukocytes for biodosimetry purposes in the outpatient examination of persons working with ionizing radiation sources (review of the literature)] Iakovleva NG. **Gig Tr Prof Zabol** 1986 Oct;(10):40-2 (22 ref.) (Rus)

RADIONUCLIDE IMAGING

Osteomyelitis complicating fracture: pitfalls of 111In leukocyte scintigraphy. Kim EE, et al. **AJR** 1987 May; 148(5):927-30
Identification of factors affecting technetium 99m leucocyte labelling by phagocytic engulfment and development of an optimal technique. Hanna RW, et al. **Eur J Nucl Med** 1986;12(4):159-62

SECRETION

Nonsteroidal antiinflammatory drugs induce UV-dependent histamine and leukotriene release from peripheral human leukocytes. Ring J, et al. **Int Arch Allergy Appl Immunol** 1987;82(3-4):344-6
Inhibitory effects of shale oils (Ichthyols) on the secretion of chemotactic leukotrienes from human leukocytes and on leukocyte migration. Czarnetzki BM. **J Invest Dermatol** 1986 Dec;87(6):694-7

TRANSPLANTATION

Enhanced recovery of gut-associated lymphoid tissue by infusion of buffy coat cells and gut leukocytes in the murine syngeneic bone marrow transplantation model. Leventon GS, et al. **Blood** 1986 Nov;68(5):1003-7
Transmission of cytomegalovirus by pretransplant leukocyte transfusions in renal transplant candidates. Chou S, et al. **J Infect Dis** 1987 Mar;155(3):565-7
A randomized study of buffy coat transfusions in cadaveric renal transplantation. Norman DJ, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1967-70
Evaluation of the effects of cyclosporine and HLA-typed source leukocyte transfusions (apheresis by-products) on the immune systems of highly sensitized prospective renal allograft recipients. Weir MR, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):735-7

[Experiences in transplanting bone marrow, leukocytes and human embryonic liver cells in hemoblastosis patients] Baranov AE, et al. **Ter Arkh** 1986;58(9):9–18 (Eng. Abstr.) **(Rus)**

[The importance of leukocyte and thrombocyte concentrates in the treatment of acute leukemia] Fehérvizyová E, et al. **Vnitr Lek** 1986 Aug;32(8):776–83 (Eng. Abstr.) **(Slo)**

[Adoptive immunotherapy in glioblastoma multiforme: experience with the use of intrathecal infusions of autologous leukocytes] Vaquero J, et al. **Arch Neurobiol (Madr)** 1987 May–Jun;50(3):183–90 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Morphology of globule leucocyte from bovine bronchopulmonary lavage. Coles S, et al. **Acta Anat (Basel)** 1987;129(2):155–8

Auer rod–like inclusions in prolymphocytic leukemia. Juneja HS, et al. **Acta Haematol (Basel)** 1987;77(2):115–9

Hirano body in an inflammatory cell of leptomeningeal vessel infected by fungus Paecilomyces. Ho KL, et al. **Acta Neuropathol (Berl)** 1986;71(1–2):159–62

Natural killer cell activity and ultrastructure in myeloproliferative reactions in infants with Down's syndrome. Miale TD, et al. **Am J Pediatr Hematol Oncol** 1986 Fall;8(3):191–9

Electron microscope observations on the cytoplasmic granules of a freshwater teleost (Pimelodus maculatus) leucocyte. Ferri S, et al. **Anat Anz** 1987;163(4):359–63

Globule leukocytes in the respiratory epithelium of human upper airways: an ultrastructural study. Baert J, et al. **Anat Rec** 1985 Jun;212(2):143–52

Ultrastructural characterization of leucocytes in the pronephros of carp (Cyprinus carpio, L.). Temmink JH, et al. **Dev Comp Immunol** 1987 Winter;11(1):125–37

Ultrastructural features in 100 cases of acute myeloid leukaemia. Pearson EC. **Eur J Haematol** 1987 Apr; 38(4):345–9

Age–related macular degeneration: ultrastructural studies of the relationship of leucocytes to angiogenesis. Penfold PL, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(1):70–6

Immunocytochemistry of acute myeloid leukemias: an ultrastructural study by the immunogold method. Polli N, et al. **J Submicrosc Cytol** 1987 Jan;19(1):185–92

Phorbol ester (TPA)–induced surface membrane alterations in B–type hairy cell and lymphocytic leukemia cells. Polliack A, et al. **Scan Electron Microsc** 1986;(Pt 4):1523–35

Immuno–scanning electron microscopy of normal and leukemic leukocytes labeled with colloidal gold. Soligo D, et al. **Scanning Microsc** 1987 Jun;1(2):719–25

Ultrastructure and stereology of leukocytes and platelets of normal foxes and a fox with a Chediak–Higashi–like syndrome. Fagerland JA, et al. **Vet Pathol** 1987 Mar; 24(2):164–9

[Scanning electron–microscopic observations on the ultrastructure of the surface of leukocytes in the cerebrospinal fluid] Zhang SM. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1987 Apr; 20(2):97–100 (Eng. Abstr.) **(Chi)**

[Cytologic diagnosis of acute leukemia based on FAB classification and new cytochemical criteria] Kozinets GI, et al. **Gematol Transfuziol** 1986 Sep;31(9):8–15 (Eng. Abstr.) **(Rus)**

LEUKOCYTES, POLYMORPHONUCLEAR see **NEUTROPHILS**

LEUKOCYTOSIS

BLOOD

Monocytosis and monocytic infiltration of decidua in early pregnancy. Smárason AK, et al. **J Clin Lab Immunol** 1986 Sep;21(1):1–5

Absolute neutrophilia in adult T cell leukemia. Yamamoto S, et al. **Jpn J Cancer Res** 1986 Sep;77(9):858–61

[Leukocytosis, the leftward shift of the white blood picture and leukemoid reactions in the internal medicine clinic] Kürnolski I, et al. **Vutr Boles** 1987;26(2):99–103 (Eng. Abstr.) **(Bul)**

[Deficiency of surface membrane proteins of neutrophils (Mol: 110K and 98K) and mononuclear cells (95K) with defective adherence—analysis of neutrophilia and pathological findings in lymphatic tissues] Nunoi H, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1350–60 (Eng. Abstr.) **(Jpn)**

[Hemogram in infections (2)] Ríos E. **Rev Chil Pediatr** 1986 May–Jun;57(3):287–91 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Determination of leukocytosis in traumatic spinal tap specimens. Mayefsky JH, et al. **Am J Med** 1987 Jun; 82(6):1175–81

CHEMICALLY INDUCED

Recombinant human alpha lymphotoxin (tumor necrosis factor–beta) induces peripheral neutrophilia and lymphopenia in the rat. Ulich TR, et al. **Am J Pathol** 1987 Jul;128(1):5–12

Increase in white blood cell count and serum sodium level following the addition of lithium to carbamazepine treatment among three chronically psychotic male patients with disturbed affective states. Vieweg WV, et al. **Psychiatr Q** 1986–87 Fall;58(3):213–7

Didemnin B—an immunosuppressive cyclic peptide that stimulates murine hemagglutinating antibody responses and induces leukocytosis in vivo. Montgomery DW, et al. **Transplantation** 1987 Jan;43(1):133–9

COMPLICATIONS

Acute febrile neutrophilic dermatosis (Sweet's syndrome) in Behçet's disease. Mizoguchi M, et al. **Br J Dermatol** 1987 May;116(5):727–34

Leukocytosis and large cell lung cancer. A frequent association. Ascensao JL, et al. **Cancer** 1987 Aug 15; 60(4):903–5

Hyperleukocytosis in adult acute nonlymphocytic leukemia: impact on remission rate and duration, and survival. Dutcher JP, et al. **J Clin Oncol** 1987 Sep;5(9):1364–72

Leucocytosis in acute Plasmodium falciparum malaria [letter] Stein CM. **S Afr Med J** 1987 Sep 5;72(5):363

Relationship between leukocytosis and ischemic complications following aneurysmal subarachnoid hemorrhage. Spallone A, et al. **Surg Neurol** 1987 Mar; 27(3):253–8

DIAGNOSIS

[Alcoholic hepatitis. Survival despite extreme leukocytosis] Carstensen JM, et al. **Ugeskr Laeger** 1987 Jun 1; 149(23):1537–8 (Eng. Abstr.) **(Dan)**

[Pseudothrombocytopenia and pseudoleukocytosis. Study of 17 cases of EDTA–dependent platelet agglutination] Mancini S, et al. **Recenti Prog Med** 1986 Dec;77(12):573–9 (Eng. Abstr.) **(Ita)**

[Sweet's syndrome. Acute febrile neutrophilic dermatosis] Gjertsen BT, et al. **Tidsskr Nor Laegeforen** 1987 Jun 20; 107(17–18):1556–7 (Eng. Abstr.) **(Nor)**

[Stomach cancer with an atypical hematologic picture] Czubakowska B, et al. **Pol Tyg Lek** 1986 Nov 17; 41(46):1461–2 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Postoperative lymphocytopenia and leucocytosis after epidural and general anaesthesia. Jakobsen BW, et al. **Acta Anaesthesiol Scand** 1986 Nov;30(8):668–71

Acute febrile neutrophilic dermatosis (Sweet's syndrome) following BCG vaccination. Radeff B, et al. **Acta Derm Venereol (Stockh)** 1986;66(4):357–8

Immune deficiency and expanded population of granular lymphocytes after bone marrow transplantation [letter] Barton JC, et al. **Am J Med** 1987 May;82(5):1086–7

Sweet's syndrome and malignancy. Cohen PR, et al. **Am J Med** 1987 Jun;82(6):1220–6 (63 ref.)

Leukocytosis in infection [letter] Zubler MA. **Arch Intern Med** 1987 Feb;147(2):197

Primary squamous cell carcinoma of the thyroid associated with leukocytosis and hypercalcemia. Riddle PE, et al. **Arch Pathol Lab Med** 1987 Apr;111(4):373–4

Recombinant human GM–CSF induces leukocytosis and activates peripheral blood polymorphonuclear neutrophils in nonhuman primates. Mayer P, et al. **Blood** 1987 Jul; 70(1):206–13

Production of granulocyte–stimulating and bone cell–modulating activities from a neutrophilia hypercalcemia–inducing murine mammary cancer cell line. Lee MY, et al. **Cancer Res** 1987 Aug 1;47(15):4059–65

Indium–111 white blood cell scan in the diagnosis of infectious complications in patients undergoing regular dialysis treatment. Becker W, et al. **Contrib Nephrol** 1987; 56:191–5

Pulmonary leukostasis in a patient with chronic myeloid leukemia. Dhand R, et al. **Indian J Chest Dis Allied Sci** 1986 Oct–Dec;28(4):253–6

Pseudoleucocytosis and pseudothrombocytosis due to cryoglobulinaemia [letter] Patel KJ, et al. **J Clin Pathol** 1987 Jan;40(1):120–1

Leukocytes and the risk of ischemic diseases [letter] Fava M. **JAMA** 1987 Aug 21;258(7):907–8

Fever, leucocytosis and C–reactive protein after open–heart surgery and their value in the diagnosis of postoperative infections. Verkkala K, et al. **Thorac Cardiovasc Surg** 1987 Apr;35(2):78–82

[Pseudoleukocytosis due to cryoglobulinemia] Clementsen P, et al. **Ugeskr Laeger** 1987 Feb 2;149(6):375 (Eng. Abstr.) **(Dan)**

[Sweet's syndrome. 2 cases of probable infectious origin (letter)] Plantin P, et al. **Presse Med** 1987 Jul 11–18; 16(27):1333 **(Fre)**

PATHOLOGY

Sweet syndrome in early childhood. Litt R, et al. **Eur J Pediatr** 1986 Sep;145(4):303–5

[A study on the augmentation of experimental tumor metastasis in mice with granulocytosis] Ishikawa M. **Hokkaido Igaku Zasshi** 1987 Mar;62(2):269–78 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Acral lividosis—a sign of myeloproliferative diseases. Hyperleukocytosis syndrome in chronic myelogenous leukemia. Frankel DH, et al. **Arch Dermatol** 1987 Jul; 123(7):921–4

The fifth component of complement (C5) is necessary for maximal pulmonary leukocytosis in mice chronically exposed to cigarette smoke. Kew RR, et al. **Clin Immunol Immunopathol** 1987 Apr;43(1):73–81

Leukocytosis of exercise: role of cardiac output and catecholamines. Foster NK, et al. **J Appl Physiol** 1986 Dec; 61(6):2218–23

VETERINARY

Histological response of bovine mammary tissue to an intracisternal bead device. Nickerson SC, et al. **J Dairy Sci** 1987 Mar;70(3):687–95

LEUKODYSTROPHY, GLOBOID CELL

DIAGNOSIS

Globoid cell leukodystrophy: cranial computed tomography and evoked potentials. Darras BT, et al. **J Child Neurol** 1986 Apr;1(2):126–30

Krabbe's disease: first trimester diagnosis confirmed on cultured amniotic fluid cells and fetal tissues. Giles L, et al. **Prenat Diagn** 1987 Jun;7(5):329–32

ENZYMOLOGY

Galactosylcerebrosidase activity in tissues of twitcher mice with and without bone marrow transplantation. Seller MJ, et al. **J Inherited Metab Dis** 1986;9(3):234–8

METABOLISM

Histochemical similarities between human and animal globoid cells in Krabbe's disease: a lectin study. Alroy J, et al. **Acta Neuropathol (Berl)** 1986;71(1–2):26–31

Globoid cell leukodystrophy is a generalized galactosylsphingosine (psychosine) storage disease. Kobayashi T, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):41–6

Metabolism of galactosylceramide in the twitcher mouse, an animal model of human globoid cell leukodystrophy. Kobayashi T, et al. **Biochim Biophys Acta** 1986 Nov 14; 879(2):215–20

PATHOLOGY

Expression of glial fibrillary acidic protein in the CNS and PNS of murine globoid cell leukodystrophy, the twitcher. Kobayashi S, et al. **Am J Pathol** 1986 Nov;125(2):227–43

Neurodiagnostic studies in Krabbe's disease [letter] Baram TZ, et al. **J Child Neurol** 1987 Jan;2(1):71

[Pathology of leukodystrophies in childhood] Nakamura H. **No To Hattatsu** 1987 Mar;19(2):97–105 (31 ref.) **(Jpn)**

RADIOGRAPHY

High density on computed tomography in infantile Krabbe's disease: a case report. Cavanagh N, et al. **Dev Med Child Neurol** 1986 Dec;28(6):799–802

Intracerebral paraventricular hyperdensities: a new CT sign in Krabbe globoid cell leukodystrophy. Feanny SJ, et al. **J Inherited Metab Dis** 1987;10(1):24–7

THERAPY

Hematopoietic cell transplantation in murine globoid cell leukodystrophy (the twitcher mouse): effects on levels of galactosylceramidase, psychosine, and galactocerebrosides. Ichioka T, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(12):4259–63

LEUKODYSTROPHY, METACHROMATIC

DIAGNOSIS

CT and MRI in late–onset metachromatic leukodystrophy. Reider–Grosswasser I, et al. **Acta Neurol Scand** 1987 Jan; 75(1):64–9

Adult metachromatic leukodystrophy. Value of computed tomographic scanning and magnetic resonance imaging of the brain. Waltz G, et al. **Arch Neurol** 1987 Feb;44(2):225–7

Diagnosis of arylsulfatase A deficiency in intact cultured cells using a fluorescent derivative of cerebroside sulfate. Bach G, et al. **Clin Genet** 1987 Apr;31(4):211–7

The arylsulphatases of chorionic villi: potential problems in the first–trimester diagnosis of metachromatic leucodystrophy and Maroteaux–Lamy disease. Sanguinetti N, et al. **Clin Genet** 1986 Oct;30(4):302–8

Aryl sulphatase isoenzymes of chorionic villi: implications for prenatal diagnosis. Giles L, et al. **Prenat Diagn** 1987 May;7(4):245–52

[Diagnostic problems in children with metachromatic leukodystrophy] Michałowicz R, et al. **Wiad Lek** 1986 Nov 1;39(21):1494–8 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

A simple chromogenic assay for arylsulfatase A. Lee–Vaupel M, et al. **Clin Chim Acta** 1987 Apr 30;164(2):171–80

FAMILIAL & GENETIC

Heterogeneity in late–onset metachromatic leukodystrophy. Effect of inhibitors of cysteine proteinases. von Figura K,

et al. **Am J Hum Genet** 1986 Sep;39(3):371–82
Pseudodeficiency of arylsulfatase A: a counseling dilemma. Baldinger S, et al. **Clin Genet** 1987 Feb;31(2):70–6
Four cases of late onset metachromatic leucodystrophy in a family: clinical, biochemical and neuropathological studies. Alves D, et al. **J Neurol Neurosurg Psychiatry** 1986 Dec;49(12):1417–22

PATHOLOGY

A morphometric study on sural nerves in metachromatic leucodystrophy. Bardosi A, et al. **Brain** 1987 Jun;110 (Pt 3):683–94
An unusual case of childhood paraplegia [clinical conference] Siejka SJ, et al. **Med J Aust** 1987 Feb 2;146(3):142–4
[The gallbladder in metachromatic leukodystrophy] Stolte M, et al. **Pathologe** 1986 Nov;7(6):338–42 **(Ger)**
[Pathology of leukodystrophies in childhood] Nakamura H. **No To Hattatsu** 1987 Mar;19(2):97–105 (31 ref.) **(Jpn)**

PSYCHOLOGY

Metachromatic leukodystrophy: conduct disorder progressing to dementia. Fisher NR, et al. **J Neurol Neurosurg Psychiatry** 1987 Apr;50(4):488–9

THERAPY

Prevention of deterioration in metachromatic leukodystrophy by bone marrow transplantation. Krivit W, et al. **Am J Med Sci** 1987 Aug;294(2):80–5

LEUKOEDEMA, ORAL see under **MOUTH DISEASES**

LEUKOENCEPHALOPATHY, PROGRESSIVE MULTIFOCAL

CHEMICALLY INDUCED

[Methanol poisoning. Clinical, neuropathologic and computerized tomography findings] Henze T, et al. **Nervenarzt** 1986 Nov;57(11):658–61 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Leukoencephalopathy in patients with ischemic stroke. Bogousslavsky J, et al. **Stroke** 1987 Sep–Oct;18(5):896–9
Subacute leukoencephalopathy complicating acute lymphoblastic leukemia [clinical conference] Filloux FM, et al. **West J Med** 1987 Feb;146(2):207–12

DIAGNOSIS

MR imaging in progressive multifocal leukoencephalopathy. Guilleux MH, et al. **AJNR** 1986 Nov–Dec;7(6):1033–5
Mental changes in subcortical arteriosclerotic encephalopathy. Derix MM, et al. **Clin Neurol Neurosurg** 1987;89(2):71–8
Magnetic resonance imaging diagnosis of disseminated necrotizing leukoencephalopathy. Atlas SW, et al. **J Comput Tomogr** 1987 Jan;11(1):39–43
Diagnosis of progressive multifocal leukoencephalopathy by brain biopsy with biotin labeled DNA:DNA in situ hybridization. Aksamit AJ, et al. **J Neuropathol Exp Neurol** 1987 Sep;46(5):556–66

ETIOLOGY

Progressive multifocal leukoencephalopathy in a patient without other clinical manifestations of AIDS. Jakobsen J, et al. **Acta Neurol Scand** 1987 Mar;75(3):209–13
Progressive multifocal leukoencephalopathy associated with human immunodeficiency virus infection. A review of the literature with a report of sixteen cases. Berger JR, et al. **Ann Intern Med** 1987 Jul;107(1):78–87 (43 ref.)
[Delayed manifestations after acute oxygen deficiency in the cerebral white matter] Gam J. **Ugeskr Laeger** 1987 Jun 22;149(26):1734–6 (Eng. Abstr.) **(Dan)**
[Progressive multifocal leukoencephalopathy mimicking multiple sclerosis as the sole clinical manifestation of acquired immunodeficiency syndrome] Dupuis M, et al. **Acta Neurol Belg** 1986 Nov–Dec;86(5):285–96 (Eng. Abstr.) **(Fre)**
[Intellectual and motor disorders with subacute development. Multiple focal hypodense areas on the CT X-ray scanner. Elevation of the sedimentation rate in a 59-year-old woman (clinical conference)] Clanet M, et al. **Rev Neurol (Paris)** 1987;143(4):306–13 **(Fre)**
[Progressive multifocal leukoencephalopathy. Late complication in chronic lymphatic leukemia] Höfeler H, et al. **Dtsch Med Wochenschr** 1987 Jun 12;112(24):963–6 (Eng. Abstr.) **(Ger)**
[Progressive multifocal leukoencephalopathy in a child with acute lymphocytic leukemia] Yamamoto M, et al. **Rinsho Ketsueki** 1987 Apr;28(4):541–6 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Leucoencephalopathy with multinucleated giant cells containing human immune deficiency virus-like particles and multiple opportunistic cerebral infections in one patient with AIDS. Gray F, et al. **Acta Neuropathol (Berl)** 1987; 73(1):99–104
Immunoenzymatic labelling of JC papovavirus T antigen in brains of patients with progressive multifocal leukoencephalopathy. Greenlee JE, et al. **Acta Neuropathol (Berl)** 1986;71(1–2):150–3

PATHOLOGY

Cytologic findings in progressive multifocal leukoencephalopathy. Report of two cases. Suhrland MJ, et al. **Acta Cytol** 1987 Jul–Aug;31(4):505–11
Focal pontine leukoencephalopathy in immunosuppressed patients. Vinters HV, et al. **Arch Pathol Lab Med** 1987 Feb;111(2):192–6
Extensive form of progressive multifocal leucoencephalopathy associated with laryngeal carcinoma. Louarn F, et al. **J Neurol** 1987 Feb;234(2):107–11
An autopsied case of acute hemorrhagic leukoencephalitis. Mitsuyama Y, et al. **Jpn J Psychiatry Neurol** 1986 Mar; 40(1):105–12
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 1–1987. A 58-year-old man with a malignant thymoma and confusion. **N Engl J Med** 1987 Jan 1;316(1):35–42
Progressive multifocal leukoencephalopathy. Voutsinas L. **Semin Roentgenol** 1986 Oct;21(4):243–4
Lacunar dementia: a form of vascular dementia. Román GC. **Tex Med** 1987 Jan;83(1):37–9

LEUKOKININ see **TUFTSIN**

LEUKOMALACIA, PERIVENTRICULAR see under **ENCEPHALOMALACIA**

LEUKOPENIA

BLOOD

[Hemogram in infections (2)] Ríos E. **Rev Chil Pediatr** 1986 May–Jun;57(3):287–91 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

White blood cell count and vancomycin [letter] Chandrasekar PH, et al. **Am J Med** 1986 Dec;81(6):1114
Leukopenia secondary to silver sulfadiazine: frequency, characteristics and clinical consequences. Choban PS, et al. **Am Surg** 1987 Sep;53(9):515–7
Leukopenia and neutropenia associated with isotretinoin therapy. Friedman SJ. **Arch Dermatol** 1987 Mar; 123(3):293–5
Haematological abnormalities in mice continuously exposed to ethanol vapour. Malik F, et al. **Br J Exp Pathol** 1986 Dec;67(6):831–8
Azlocillin, cephalothin, and tobramycin therapy in febrile solid tumor patients with chemotherapy-induced leukopenia. Lowenbraun S, et al. **Cancer** 1987 Jul 1; 60(1):14–7
Leucopenia in adult Still's disease during treatment with azathioprine and sulphasalazine. Bliddal H, et al. **Clin Rheumatol** 1987 Jun;6(2):244–50
Comparison of white blood cell dyscrasias during sulphasalazine therapy of rheumatoid arthritis and inflammatory bowel disease. Capell HA, et al. **Drugs** 1986; 32 Suppl 1:44–8
Successful treatment course with carbamazepine despite initial significant leukopenia: case report. Regan WM. **J Clin Psychiatry** 1987 Aug;48(8):338–9
Gold-induced leucopenia may predict a similar adverse reaction to sulphasalazine [letter] Bliddal H, et al. **Lancet** 1987 Feb 14;1(8529):390
6-Mercaptopurine-related leucopenia and in vivo xanthine oxidase activity [letter] Goadsby PJ, et al. **Lancet** 1986 Oct 11;2(8511):869–70
Transient leukopenia associated with topical silver sulfadiazine in burn therapy. Gbaanador GB, et al. **Nebr Med J** 1987 Mar;72(3):83–5
[Prediction of peripheral blood leukopenia during tumor chemotherapy] Kochetkova VA, et al. **Sov Med** 1986; (11):88–90 **(Rus)**
[Reversible leukopenia associated with the use of cimetidine (letter)] Fernández Rodríguez R, et al. **Med Clin (Barc)** 1987 Jan 24;88(3):123 **(Spa)**
[Treatment with enalapril causing leukopenia with septicemia and affected liver] Adriansson M, et al. **Lakartidningen** 1987 Apr 8;84(15):1270 (Eng. Abstr.) **(Swe)**

COMPLICATIONS

Continuous versus intermittent administration of ceftazidime in experimental Klebsiella pneumoniae pneumonia in normal and leukopenic rats. Roosendaal R, et al. **Antimicrob Agents Chemother** 1986 Sep;30(3):403–8
Combination of amikacin and ceftazidime as empiric treatment of febrile leukopenic patients affected by solid tumors. Gasparini G, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Feb;25(2):113–20
Long-term prophylaxis of infection by selective decontamination in leukopenia and in mechanical ventilation. Clasener HA, et al. **Rev Infect Dis** 1987 Mar–Apr;9(2):295–328 (417 ref.)
[Ischemic heart disease and benign familial leukopenia in Yemenite Jews] Shoenfeld Y, et al. **Harefuah** 1987 May 15;112(10):484–6 (Eng. Abstr.) **(Heb)**
[Infections in leukemic granulocytopenic patients. Analysis of 57 febrile episodes] Salerno RA, et al. **Medicina (B Aires)** 1986;46(4):377–84 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Evans' syndrome as a presenting manifestation of atypical paroxysmal cold hemoglobinuria. Lippman SM, et al. **Am J Med** 1987 May;82(5):1065–72

DRUG THERAPY

Latamoxef versus carbenicillin plus gentamicin or carbenicillin plus mecillinam in leukopenic, febrile patients with s[illegible]. Hansen SW, et al. **Acta Med Scand** 1986; 220(3):2[illegible]
[Granulopoietic effects of lentinan in mice: effects on GM-CFC and 5-FU-induced leukopenia] Matsuo T, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1310–4 (Eng. Abstr.) **(Jpn)**

ETHNOLOGY

Leukopenia in Ethiopian Jews [letter] Berrebi A, et al. **N Engl J Med** 1987 Feb 26;316(9):549

ETIOLOGY

Search for eosinopenia in hospitalized patients with normal blood leukocyte concentration. Krause JR, et al. **Am J Hematol** 1987 Jan;24(1):55–63
Reperfusion of ischemic dog lung results in fever, leukopenia, and lung edema. Bishop MJ, et al. **Am Rev Respir Dis** 1986 Oct;134(4):752–6
White blood cells and bone marrow in typhoid fever. Mallouh AA, et al. **Pediatr Infect Dis J** 1987 Jun;6(6):527–9
[Dissociation between leukopenia and hypoxemia during hemodialysis] Faro S, et al. **Rev Paul Med** 1985 Nov–Dec; 103(6):284–9 (Eng. Abstr.) **(Por)**
[Systemic reaction of leukocytes after contact between the blood and the cuprofan membrane of dialyzer DIP–O2–O2] Iarmolinskii IS, et al. **Urol Nefrol (Mosk)** 1987 Jan–Feb; (1):43–5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Phenytoin, leukopenia, and remission of eczema [letter] Fisher DE. **Ann Intern Med** 1987 Aug;107(2):263–4
Phototoxicity induced by hematoporphyrin derivative in C5-deficient, mast cell-deficient and leukopenic mice. Lim HW, et al. **Photochem Photobiol** 1986 Aug;44(2):175–80

LEUKOPHERESIS see **LEUKAPHERESIS**

LEUKOPLAKIA

COMPLICATIONS

Keratinizing desquamative squamous metaplasia of the upper urinary tract. Haugen SG, et al. **Urol Radiol** 1986;8(4):211–3

DRUG THERAPY

Leukoplakia of the vulva locally treated by 13-cis-retinoic acid. Markowska J, et al. **Neoplasma** 1987;34(1):33–6

FAMILIAL & GENETIC

Urothelial leukoplakia: new aspects of etiology and therapy. Mueller SC, et al. **J Urol** 1987 May;137(5):979–83

PATHOLOGY

Esophageal leukoplakia. Kaye MD. **Gastrointest Endosc** 1987 Jun;33(3):254–9
Capsule dermatopathology: red, white, and ulcerated oral lesions—some considerations for the diagnostic approach. Eisenberg E. **J Dermatol Surg Oncol** 1987 Jan;13(1):21–5

SURGERY

Conservative surgical management of leukoplakia of upper urinary tract. Terry TR, et al. **J R Soc Med** 1986 Sep; 79(9):544–5

LEUKOPLAKIA, ORAL

Oral leukoplakia [editorial] Shklar GS. **N Engl J Med** 1986 Dec 11;315(24):1544–6

ANALYSIS

Tumor-associated carbohydrate antigens. Dabelsteen E, et al. **J Oral Pathol** 1987 Apr;16(4):196–8

BLOOD

Serum copper and zinc levels in premalignant and malignant lesions of the oral cavity. Varghese I, et al. **Oncology** 1987; 44(4):224–7

BLOOD SUPPLY

[Microvascular changes in experimental oral leukoplakia] Liu ST. **Chung Hua I Hsueh Tsa Chih** 1986 Jun;66(6):338–9, 382 (Eng. Abstr.) **(Chi)**

CHEMICALLY INDUCED

Oral leukoplakia and costochondral hyperplasia induced by diethylnitrosamine in hamsters exposed to cigarette smoke with or without dietary vitamin C. Harada T, et al. **Vet Pathol** 1987 May;24(3):257–64
[DMBA-induced leukoplakia of the tongue in rats] Liu ST.

Chung Hua Kou Chiang Ko Tsa Chih 1986 Nov;21(6):372–4 (Chi)

COMPLICATIONS

Oral hairy leukoplakia. A distinctive marker of human T-cell lymphotropic virus type III (HTLV-III) infection. Lupton GP, et al. Arch Dermatol 1987 May;123(5):624–8

Oral "hairy" leukoplakia: a clue to HIV-1 exposureDylewski J, et al. Can Med Assoc J 1987 Apr 1;136(7):729–30

Relation of oral hairy leukoplakia to infection with the human immunodeficiency virus and the risk of developing AIDS. Greenspan D, et al. J Infect Dis 1987 Mar;155(3):475–81

DRUG THERAPY

Resolution of oral hairy leukoplakia during therapy with 9-(1,3-dihydroxy-2-propoxymethyl)guanine (DHPG). Newman C, et al. Ann Intern Med 1987 Sep;107(3):348–50

Treatment of oral 'hairy' leukoplakia in AIDS patients with vitamin A acid (topically) or acyclovir (systemically) [letter] Schöfer H, et al. Dermatologica 1987;174(3):150–1

13-cis-retinoic acid in the treatment of oral leukoplakia. Hong WK, et al. N Engl J Med 1986 Dec 11;315(24):1501–5

ETIOLOGY

Oral 'hairy' leukoplakia associated with human immunodeficiency virus infection: report of two cases. Wray D, et al. Br Dent J 1986 Nov 8;161(9):338–9

The effect of nass use and smoking on the risk of oral leukoplakia. Zaridze DG, et al. Cancer Detect Prev 1986; 9(5–6):435–40

Precancerous and other oral mucosal lesions related to chewing, smoking and drinking habits in Thailand. Reichart PA, et al. Community Dent Oral Epidemiol 1987 Jun; 15(3):152–60

Viral origin of hairy leukoplakia [letter] Friedman-Kien AE. Lancet 1986 Sep 20;2(8508):694–5

Smokeless tobacco: questions of clinical significance. Moore GF, et al. Nebr Med J 1986 Dec;71(12):427–31

FAMILIAL & GENETIC

[Zinsser-Cole-Engman syndrome] Parodi A, et al. G Ital Dermatol Venereol 1986 Nov-Dec;121(6):423–4 (Eng. Abstr.) (Ita)

IMMUNOLOGY

Local immunoreactivity and human papillomavirus (HPV) in oral precancer and cancer lesions. Lind PO, et al. Scand J Dent Res 1986 Oct;94(5):419–26

MICROBIOLOGY

Yeast species and biotypes associated with oral leukoplakia and lichen planus. Krogh P, et al. Oral Surg Oral Med Oral Pathol 1987 Jan;63(1):48–54

OCCURRENCE

Occurrence of leukoplakia and some other oral white lesions among 20,333 adult Swedish people. Axéll T. Community Dent Oral Epidemiol 1987 Feb;15(1):46–51

Oral health effects of smokeless tobacco use in Navajo Indian adolescents. Wolfe MD, et al. Community Dent Oral Epidemiol 1987 Aug;15(4):230–5

PATHOLOGY

Hairy leukoplakia. A new disease of the oral mucosa. Conant MA. Arch Dermatol 1987 May;123(5):585–7

Morphometric analysis of basal cell layer in oral premalignant white lesions and squamous cell carcinoma. Shabana AH, et al. J Clin Pathol 1987 Apr;40(4):454–8

Absence of Langerhans cells in oral hairy leukoplakia, an AIDS-associated lesion. Daniels TE, et al. J Invest Dermatol 1987 Aug;89(2):178–82

Oral hairy leukoplakia in three hemophiliacs with human immunodeficiency virus infection. Rindum JL, et al. Oral Surg Oral Med Oral Pathol 1987 Apr;63(4):437–40

[Oral "hairy" leukoplakia—rapid electron optic diagnosis by negative staining procedures] Nasemann T, et al. Hautarzt 1986 Oct;37(10):571–2 (Eng. Abstr.) (Ger)

[Oral "hairy" leukoplakia—clinical early manifestation of HTLV-III infection] Konrad K. Wien Klin Wochenschr 1986 Oct 24;98(20):702–4 (Eng. Abstr.) (Ger)

[Co-occurrence of plane and verrucous leukoplakia evolving into an invasive squamous cell carcinoma] Pfannschmidt N, et al. Z Hautkr 1987 Jul 1;62(13):993–7 (Eng. Abstr.) (Ger)

[Site-specific incidence of benign and precancerous leukoplakias and cancers of the oral cavity] Schell H, et al. Z Hautkr 1987 May 15;62(10):798–804 (Eng. Abstr.) (Ger)

[Morphologic characteristics of leukoplakias of the oral cavity and review of case material] Cardesi E, et al. Ann Osp Maria Vittoria Torino 1985 Jul-Dec; 28(7–12):131–41 (Eng. Abstr.) (Ita)

SURGERY

[The effect of cryosurgery on premalignant lesions of hamster cheek pouch mucosa] He ZQ. Chung Hua Kou Chiang Ko Tsa Chih 1986 Jul;21(4):206–8, 253 (Eng. Abstr.) (Chi)

TRANSMISSION

Oral hairy leucoplakia in two women, a haemophiliac, and a transfusion recipient [letter] Greenspan D, et al. Lancet 1986 Oct 25;2(8513):978–9

ULTRASTRUCTURE

Oral hairy leukoplakia: ultrastructural features. Belton CM, et al. J Oral Pathol 1986 Oct;15(9):493–9

Ultrastructure of oral leukoplakia and lichen planus. I. Basal region and inflammatory cells. Jungell P, et al. J Oral Pathol 1987 Apr;16(4):170–8

Mast cells containing melanin granules in sublingual keratosis. Tawfik AM, et al. J Oral Pathol 1987 Mar;16(3):108–11

[Leukoplasia of the oral cavity (cheek mucosa). Ultrastructural aspects] Viti M, et al. Minerva Stomatol 1987 Jan-Feb;36(1-2):47–57 (Eng. Abstr.) (Ita)

LEUKORRHEA

CHEMICALLY INDUCED

Pseudoincontinence secondary to unopposed estrogen replacement in the surgically castrate premenopausal female. Julian TM. Obstet Gynecol 1987 Sep;70(3 Pt 1):382–3

ETIOLOGY

Vaginal discharge. McMillan A. Br Med J [Clin Res] 1986 Nov 22;293(6558):1357–60

Group B streptococci and vaginal discharge [letter] Wilson JD, et al. Genitourin Med 1987 Apr;63(2):137–8

[Minor disorders in family practice; vaginal discharge without inflammatory signs as a symptom (letter)] Ned Tijdschr Geneeskd 1987 Apr 4;131(14):596–7 (Dut)

[Minor disorders in family medicine; fluor vaginalis without infection symptoms as a complaint] Njoo KH, et al. Ned Tijdschr Geneeskd 1987 Jan 24;131(4):152–5 (Dut)

METABOLISM

Trimethylamine: the substance mainly responsible for the fishy odor often associated with bacterial vaginosis. Brand JM, et al. Obstet Gynecol 1986 Nov;68(5):682–5

MICROBIOLOGY

[Microbiological study of genital discharges] Katranushkova N, et al. Akush Ginekol (Sofiia) 1987;26(2):38–41 (Eng. Abstr.) (Bul)

PATHOLOGY

In vitro adhesiveness and biotype of Gardnerella vaginalis strains in relation to the occurrence of clue cells in vaginal discharges. Scott TG, et al. Genitourin Med 1987 Feb; 63(1):47–53

SURGERY

[Surgical treatment of primary chylometrorrhea] Jiménez Cossio JA, et al. Angiologia 1987 May-Jun;39(3):105–11 (Eng. Abstr.) (Spa)

THERAPY

[Intravaginal lyophilized Lactobacilli in the therapy of nonspecific fluor vaginalis] Gerstner GJ, et al. Gynakol Rundsch 1987;27(2):71–8 (Eng. Abstr.) (Ger)

VETERINARY

Vaginal discharge in the sow [letter] Heard TW. Vet Rec 1986 Sep 27;119(13):339

LEUKOSARCOMA

BLOOD

A monoclonal surface immunoglobulin (IgM/D-L) with specificity for surface antigen of ox red blood cells in a patient with leukemic lymphosarcoma. Shimizu S, et al. J Clin Immunol 1986 Sep;6(5):397–401

LEUKOSIS, AVIAN see AVIAN LEUKOSIS

LEUKOTAXIS see CHEMOTAXIS, LEUKOCYTE

LEUKOTOMY see PSYCHOSURGERY

LEUKOTRIENE B4 see LEUKOTRIENES B

LEUKOTRIENE C1 see SRS-A

LEUKOTRIENE C4 see SRS-A

LEUKOTRIENE D4 see SRS-A

LEUKOTRIENES B

Leukotrienes and lipoxins: structures, biosynthesis, and biological effects. Samuelsson B, et al. Science 1987 Sep 4;237(4819):1171–6 (61 ref.)

ADMINISTRATION & DOSAGE

Response of polymorphonuclear leukocytes to topical leukotriene B4 in healthy and psoriatic skin. Lammers AM, et al. Br J Dermatol 1987 Apr;116(4):521–4

Response of psoriatic lesions to multiple applications of leukotriene B4 and 12-HETE. Norris PG, et al. Dermatologica 1987;174(5):219–23

ANALYSIS

Leukotrienes in aqueous humor of patients with uveitis [letter] Alfaro DV. Arch Ophthalmol 1987 Apr;105(4):457

Mass spectrometry of prostaglandins, leukotrienes and steroids as their allyldimethylsilyl ether derivatives. Steffenrud S, et al. Biomed Environ Mass Spectrom 1986 Dec;13(12):657–61

Leukotrienes LTB4 and LTC4 in thermally injured patients' plasma and burn blister fluid. Dobke MK, et al. J Burn Care Rehabil 1987 May-Jun;8(3):189–91

Determination of leukotriene B4 by high-performance liquid chromatography with electrochemical detection. Herrmann T, et al. J Chromatogr 1987 Apr 24;416(1):170–5

Prostaglandins, leukotrienes, and other arachidonic acid metabolites in nasal polyps and nasal mucosa. Jung TT, et al. Laryngoscope 1987 Feb;97(2):184–9

Eicosanoids in skin UV inflammation—lack of leukotriene B4 elevation in UVB-induced dermatitis. Ruzicka T, et al. Photodermatol 1986 Oct;3(5):306–7

A simple and sensitive radioreceptor assay for leukotrienes. Kohi F, et al. Prostaglandins 1987 Jan;33(1):121–36

The detection of 5-lipoxygenase and cyclo-oxygenase products in sputum of patients with chronic bronchitis and bronchiectasis. Zakrzewski JT, et al. Prostaglandins 1987 May;33(5):663–74

ANTAGONISTS & INHIBITORS

Inhibitory effects of shale oils (Ichthyols) on the secretion of chemotactic leukotrienes from human leukocytes and-on leukocyte migration. Czarnetzki BM. J Invest Dermatol 1986 Dec;87(6):694–7

Inhibition by leukotriene B5 of leukotriene B4-induced activation of human keratinocytes and neutrophils. Kragballe K, et al. J Invest Dermatol 1987 May;88(5):555–8

Workshop: Potential therapeutic uses of inhibitors of leukotriene generation and function. June 23, 1986, Bethesda, Maryland. Sponsored by the National Institute of Allergy and Infectious Diseases and the World Health Organization Collaborating Center for Allergic Diseases. Massicot JG, et al. Prostaglandins 1986 Oct;32(4):481–94

BIOSYNTHESIS

Regulation of leukotriene biosynthesis by N-3 fatty acids, cytokines, and stimuli for cell activation. Lewis RA, et al. Adv Prostaglandin Thromboxane Leukotriene Res 1986; 16:27–33 (32 ref.)

Effect of AA-861, a 5-lipoxygenase inhibitor, on leukotriene synthesis in human polymorphonuclear leukocytes and on cyclooxygenase and 12-lipoxygenase activities in human platelets. Mita H, et al. Allergy 1986 Sep;41(7):493–8

Inhibition by methylprednisolone of zymosan-induced leukotriene synthesis in alveolar macrophages. Peters-Golden M, et al. Am Rev Respir Dis 1987 May; 135(5):1020–6

Leukotrienes and related eicosanoids are produced by frog leukocytes. Green FA, et al. Biochem Biophys Res Commun 1987 Jan 30;142(2):309–14

Modulation by phorbol myristate acetate of arachidonic acid release and leukotriene synthesis by human polymorphonuclear leukocytes stimulated with A23187. McColl SR, et al. Biochem Biophys Res Commun 1986 Dec 15;141(2):399–404

Leukotriene synthesis by human gastrointestinal tissues. Dreyling KW, et al. Biochim Biophys Acta 1986 Sep 12; 878(2):184–93

Increase in the formation of leukotriene B4 and other lipoxygenase products in peritoneal macrophages of adrenalectomized rats. Vincent JE, et al. Biochim Biophys Acta 1986 Dec 5;879(3):350–4

Inhibition of leukotriene formation in human leukocytes by halothane. Yamaoka A, et al. Biochim Biophys Acta 1987 Apr 24;918(3):284–92

Human umbilical arteries and veins: generation of leukotrienes and response to exogenous leukotrienes. Piper PJ, et al. Biol Neonate 1987;52(1):9–15

Alpha-fetoprotein stimulates leukotriene synthesis in P388D1 macrophages. Aussel C, et al. Cell Immunol 1986 Sep; 101(2):415–24

Effect of nedocromil sodium on TXB2, LTB4 and LTD4 synthesis by alveolar macrophages from asthmatic patients. Damon M, et al. Eur J Respir Dis [Suppl] 1986;147:206–9

Leukotriene production by fresh human bone marrow cells: evidence of altered lipoxygenase activity in chronic myelocytic leukemia. Stenke L, et al. Exp Hematol 1987 Feb;15(2):203–7

Regional distribution of leukotriene and mono-hydroxyeicosatetraenoic acid production in the rat brain. Highest leukotriene C4 formation in the hypothalamus. Miyamoto T, et al. FEBS Lett 1987 May 25;216(1):123–7

A commentary on the inhibition by retinoids of leukotriene B4 production in leukocytes. Randall RW, et al.

FEBS Lett 1987 Apr 6;214(1):167–70
In vivo production of leukotriene B4 and leukotriene C4 in rabbit colitis. Relationship to inflammation. Zipser RD, et al. **Gastroenterology** 1987 Jan;92(1):33–9
Leukotriene B4 generation by polymorphonuclear leukocytes: possible involvement in the pathogenesis of headache. Selmaj K, et al. **Headache** 1986 Oct;26(9):460–4
Interferon–alpha enhances the production of leukotriene B4 in murine peritoneal macrophages stimulated by opsonized zymosan. Ito M, et al. **Immunology** 1987 Apr;60(4):617–9
Mechanism of leukotriene generation in polymorphonuclear leukocytes by staphylococcal alpha–toxin. Suttorp N, et al. **Infect Immun** 1987 Jan;55(1):104–10
Increased leukotriene B4 synthesis in patients with primary hyperparathyroidism is normalized after parathyroidectomy: a study comparing parathyroidectomy to thyroid adenomectomy. Sellmayer A, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):387–90
Assessment of leukotriene B4 synthesis in human lymphocytes by using high performance liquid chromatography and radioimmunoassay methods. Poubelle PE, et al. **J Immunol** 1987 Aug 15;139(4):1273–7
In vitro generation of chemotactic leukotrienes from unfractionated murine epidermal cells. Möller A, et al. **J Invest Dermatol** 1986 Oct;87(4):489–93
Enzymic synthesis of leukotriene B4 in guinea pig brain. Shimizu T, et al. **J Neurochem** 1987 May;48(5):1541–6
Production of leukotrienes and prostaglandins in the rat uterus during peri–implantation period. Malathy PV, et al. **Prostaglandins** 1986 Oct;32(4):605–14
The effect of endogenous eicosapentaenoic acid on PMN leukotriene and PAF biosynthesis. Pickett WC, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2–3):135–40
Dipyridamole inhibits leukotriene B4 synthesis [letter] Gresele P, et al. **Thromb Haemost** 1987 Apr 7;57(2):235
Inhibition of bovine lymphocyte response to phytohemagglutinin by a specific 5–lipoxygenase inhibitor. Atluru D, et al. **Vet Immunol Immunopathol** 1987 Mar; 14(3):269–78

BLOOD

Detection of leukotrienes in the serum of asthmatic and psoriatic patients. Uotila P, et al. **Acta Derm Venereol (Stockh)** 1986;66(5):381–5
Leukotrienes B4 and C4 in MS. Prosiegel M, et al. **Acta Neurol Scand** 1987 May;75(5):361–3
Conversion of leukotriene B4 to dihydro and 19–hydroxy metabolites by rat polymorphonuclear leukocytes. Powell WS. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):991–8
The leukotriene B4 paradox: neutrophils can, but will not, respond to ligand–receptor interactions by forming leukotriene B4 or its omega–metabolites. Haines KA, et al. **Biochem J** 1987 Jan 1;241(1):55–62
Differential inhibitory effects of auranofin on leukotriene B4 and leukotriene C4 formation by human polymorphonuclear leukocytes. Honda Z, et al. **Biochem Pharmacol** 1987 May 1;36(9):1475–81
Activation of leukocyte movement and displacement of [3H]leukotriene B4 from leukocyte membrane preparations by (12R)– and (12S)–hydroxyeicosatetraenoic acid. Evans JF, et al. **Biochim Biophys Acta** 1987 Feb 23;917(3):406–10
Differences in arachidonic acid release, metabolism and leukotriene B4 synthesis in human polymorphonuclear leukocytes activated by different stimuli. Sellmayer A, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):417–22
Release of leukotriene B4 and 5–hydroxyeicosatetraenoic acid during phagocytosis of artificial immune complexes by peripheral neutrophils in chronic inflammatory bowel disease. Nielsen OH, et al. **Clin Exp Immunol** 1986 Aug; 65(2):465–71
Abnormal metabolism of arachidonic acid in chronic inflammatory bowel disease: enhanced release of leucotriene B4 from activated neutrophils. Nielsen OH, et al. **Gut** 1987 Feb;28(2):181–5
Identification of blood leukotrienes in classical migraine. Gazzaniga PP, et al. **Headache** 1987 Apr;27(4):211–5
Quantitative determination of arachidonate 5–lipoxygenase metabolites in human polymorphonuclear leukocytes by reverse–phase high–performance liquid chromatography. Hamasaki T. **Hiroshima J Med Sci** 1986 Jun;35(2):99–103
Assay for the leukotriene B4 receptor. Gorman RR, et al. **Methods Enzymol** 1987;141:372–8
Leukotriene B4 catabolism: quantitation of leukotriene B4 and its omega–oxidation products by reversed–phase high–performance liquid chromatography. Shak S. **Methods Enzymol** 1987;141:355–71
Biosynthesis, characterization and inhibition of leukotriene B4 in human whole blood. Patrignani P, et al. **Prostaglandins** 1987 Apr;33(4):539–51
Metabolism of leukotriene B4 by polymorphonuclear granulocytes of severely burned patients. Brom J, et al. **Prostaglandins Leukotrienes Med** 1987 May;27(2–3):209–25
Altered arachidonic acid metabolism in granulocytes of polytraumatized patients. Schönfeld W, et al. **Prostaglandins Leukotrienes Med** 1987 May;27(2–3):227–36

IMMUNOLOGY

A comparative study on the release of leukotrienes and histamine by guinea pig lung and trachea after challenge with antigen or stimulation with ionophore A23187 or melittin. Salari H. **Clin Exp Immunol** 1987 Jan;67(1):211–9
Recognition of human polymorphonuclear leukocyte receptors for leukotriene B4 by rabbit anti–idiotypic antibodies to a mouse monoclonal antileukotriene B4. Gifford LA, et al. **J Immunol** 1987 Feb 15;138(4):1184–9
Release of leukotriene B4 from sublethally injured oligodendrocytes by terminal complement complexes. Shirazi Y, et al. **J Neurochem** 1987 Jan;48(1):271–8

METABOLISM

Leukotrienes in inflammation. Bray MA. **Agents Actions** 1986 Oct;19(1–2):87–99 (109 ref.)
Eicosanoid production by peritoneal and splenic macrophages in mice depleted of bone marrow by 89Sr [published erratum appears in Am J Pathol 1987 Jul;128(1):202] Shibata Y, et al. **Am J Pathol** 1987 Apr; 127(1):75–82
Enzymatic conversion of leukotriene B4 to 6–trans–leukotriene B4 by rat kidney homogenates. Breuer O, et al. **Biochem Biophys Res Commun** 1987 Feb 13; 142(3):667–73
Enzymatic hydrolysis of leukotriene A4 into 5,6–dihydroxy–7,9,11,14–eicosatetraenoic acid and LTB4 by mammalian kidney. Medina JF, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):697–703
Specific binding of leukotriene B4 to guinea pig lung membranes. Saad M, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):364–71
Oxygen concentration–dependent metabolism of leukotriene B4 by hepatocyte monolayers. Gut J, et al. **Biochim Biophys Acta** 1986 Sep 12;878(2):194–9
Topical steroid treatment reduces arachidonic acid and leukotriene B4 in lesional skin of psoriasis. Wong E, et al. **Br J Clin Pharmacol** 1986 Dec;22(6):627–32
Prostaglandins, thromboxane and leukotriene in human follicular fluid. Heinonen PK, et al. **Clin Reprod Fertil** 1986 Aug;4(4):253–7
Neutrophil dysfunction and decreased leukotriene production in burned, septic rats. Perez RV, et al. **Curr Surg** 1987 Jan–Feb;44(1):24–7
Molecular and cellular properties of human polymorphonuclear leukocyte receptors for leukotriene B4. Goldman DW, et al. **Fed Proc** 1987 Jan;46(1):200–3 (13 ref.)
Release of leukotrienes during rapid expulsion of Trichinella spiralis from immune rats. Moqbel R, et al. **Immunology** 1987 Mar;60(3):425–30
The role of leukotriene–inducing and –metabolizing enzymes in inflammation. König W, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):526–31
Biochemical characterization of hepatic microsomal leukotriene B4 hydroxylases. Romano MC, et al. **J Biol Chem** 1987 Feb 5;262(4):1590–5
Stereochemical requirements for substrate specificity of LTB4 20–hydroxylase. Soberman RJ, et al. **J Biol Chem** 1987 Sep 15;262(26):12421–7
Production of platelet–activating factor by stimulated human polymorphonuclear leukocytes. Correlation of synthesis with release, functional events, and leukotriene B4 metabolism. Sisson JH, et al. **J Immunol** 1987 Jun 1; 138(11):3918–26
Biologic properties of LTB4 and paf–acether in vivo in human skin. Michel L, et al. **J Invest Dermatol** 1987 Jun; 88(6):675–81
Anthralin (1,8–dihydroxyanthrone) is a potent inhibitor of leukotriene production and LTB4–omega oxidation by human neutrophils. Schröder JM. **J Invest Dermatol** 1986 Nov;87(5):624–9
Pulmonary alveolar proteinosis: determination of prostaglandins and leukotrienes in lavage fluid. Zijlstra FJ, et al. **Lung** 1987;165(2):79–89
Leukotriene B4 production in normal rat glomeruli. Cattell V, et al. **Nephrol Dial Transplant** 1987;2(3):154–7
Leukotrienes as mediators in endotoxin shock and tissue trauma. Keppler D, et al. **Prog Clin Biol Res** 1987; 236A:301–9 (29 ref.)
Leukotriene B3, leukotriene B4 and leukotriene B5; binding to leukotriene B4 receptors on rat and human leukocyte membranes. Charleson S, et al. **Prostaglandins** 1986 Oct; 32(4):503–16
Ebselen reduces the formation of LTB4 in human and porcine leukocytes by isomerisation to its 5S, 12R–6–trans–isomer. Kuhl P, et al. **Prostaglandins** 1986 Jun;31(6):1029–48
Analogs of leukotriene B4: effects of modification of the hydroxyl groups on leukocyte aggregation and binding to leukocyte leukotriene B4 receptors. Leblanc Y, et al. **Prostaglandins** 1987 May;33(5):617–25
Neutrophil LTA4 hydrolases and leukotriene B4 receptors: effects of leukotriene epoxides and their enzymatic products. Evans J, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2–3):167–71
Formation of leukotriene B4, 20–hydroxy leukotriene B4 and other arachidonic acid metabolites by macrophages during peritonitis in patients with continuous ambulatory peritoneal dialysis. Zijlstra FJ, et al. **Prostaglandins Leukotrienes Med** 1987 May;27(2–3):151–60
[The potential and significance of pharmacologic effects on leukotrienes and other lipoxygenase derivatives of arachidonic acid] Mayer M, et al. **Vnitr Lek** 1987 May; 33(5):502–7 (35 ref.) (Eng. Abstr.) **(Cze)**
[Effect of SIN–1 on the synthesis of leukotrienes in human polymorphonuclear cells] Bourgoin S, et al. **Pathol Biol (Paris)** 1987 Feb;35(2 Pt 2):238–40 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

The perivascular cell populations in human skin after topical application of leukotriene B4. Winkelmann RK, et al. **Acta Derm Venereol (Stockh)** 1986;66(4):340–3
Human monocyte and polymorphonuclear leukocyte chemotactic and chemokinetic responses to leukotriene B4 and FMLP. Ternowitz T, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1987 Apr; 95(2):47–54
Effect of structural modification at carbon atom 1 of leukotriene B4 on the chemotactic and metabolic response of human neutrophils. Clancy RM, et al. **Anal Biochem** 1987 Mar;161(2):550–8
Arachidonic acid and LTB4 enhance aggregation of psoriatic peripheral blood mononuclear leukocytes in vitro. Pigatto PD, et al. **Arch Dermatol Res** 1987;279(5):347–50
Lack of correlation between calcium mobilization and respiratory burst activation induced by chemotactic factors in rabbit polymorphonuclear leukocytes. Hartiala KT, et al. **Biochem Biophys Res Commun** 1987 Apr 29; 144(2):794–800
Leukotriene B4 stimulation of phagocytes results in the formation of inositol 1,4,5–trisphosphate. A second messenger for Ca2+ mobilization. Andersson T, et al. **Biochem J** 1986 Dec 1;240(2):333–40
Reduction of leukotriene B4–induced intraepidermal accumulation of polymorphonuclear leukocytes by methotrexate in psoriasis. Lammers AM, et al. **Br J Dermatol** 1987 May;116(5):667–71
Vascular responses to leukotriene B4, C4 and D4 following FPL 55712, indomethacin, saralasin, phentolamine and verapamil in the conscious rat. Filep J, et al. **Br J Pharmacol** 1987 Feb;90(2):431–9
Leukotriene B4 causes proliferation of interleukin 2–dependent T cells in the presence of suboptimal levels of interleukin 2. Atluru D, et al. **Cell Immunol** 1986 May; 99(2):444–52
Effect of LTB4 and its isomers on human leucocyte migration into skin chambers. Scheja A, et al. **Clin Exp Rheumatol** 1986 Oct–Dec;4(4):323–9
Eicosanoids and equine leucocyte locomotion in vitro. Lees P, et al. **Equine Vet J** 1986 Nov;18(6):493–7
Role of cytosolic free calcium and phospholipase C in leukotriene–B4–stimulated secretion in human neutrophils. Comparison with the chemotactic peptide formyl–methionyl–leucyl–phenylalanine. Lew PD, et al. **Eur J Biochem** 1987 Jan 2;162(1):161–8
Leukotriene B4 induces enhanced migration of fish leucocytes in vitro. Hunt TC, et al. **Immunology** 1986 Dec; 59(4):563–8
Effects of some prostaglandins and leukotrienes on lymphocytes, monocytes and their activity in vitro. Wasserman J, et al. **Int Arch Allergy Appl Immunol** 1987; 83(1):39–43
Modulation of fibroblast proliferation by sulfidopeptide leukotrienes: effect of indomethacin. Baud L, et al. **J Immunol** 1987 Feb 15;138(4):1190–5
LTB4 induced activation signals and responses in neutrophils are short–lived compared to formylpeptide. Omann GM, et al. **J Immunol** 1987 Apr 15;138(8):2626–32
Inhibition by leukotriene B5 of leukotriene B4–induced activation of human keratinocytes and neutrophils. Kragballe K, et al. **J Invest Dermatol** 1987 May;88(5):555–8
Hypoxia provokes leukotriene–dependent neutrophil sequestration in perfused rabbit hearts. Gillespie MN, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):812–6
Effect of low dose methotrexate on neutrophil chemotaxis induced by leukotriene B4 and complement C5a. Suarez CR, et al. **J Rheumatol** 1987 Feb;14(1):9–11
Effects of leukotrienes B4, C4, and D4 on rat mesenteric microcirculation. Michelassi F, et al. **J Surg Res** 1987 May; 42(5):475–82
Effects of adrenergic and cholinergic agents and leukotrienes on mucociliary transport force measured by using frog palate. Yamaki K, et al. **Nagoya J Med Sci** 1987 Mar; 49(1–4):21–30
Differential effects of leukotrienes B4 and C4 on bovine aortic endothelial cell proliferation in vitro. Modat G, et al. **Prostaglandins** 1987 Apr;33(4):531–8
Further studies on the mechanism of action of leukotrienes and histamine on guinea pig lung parenchyma. Role of calcium, phospholipase and methyltransferase. Sirois P, et al. **Prostaglandins** 1986 Jun;31(6):1117–33
Tissue differences in vascular permeability induced by leukotriene B4 and prostaglandin E2 in the rat. Stenson WF, et al. **Prostaglandins** 1986 Jul;32(1):5–17
Gastric effects of leukotrienes. Guslandi M. **Prostaglandins Leukotrienes Med** 1987 Mar;26(3):203–8 (21 ref.)
The effect of leukotrienes on porcine alveolar macrophage function. Paterson NA, et al. **Prostaglandins Leukotrienes Med** 1986 Dec;25(2–3):147–61
Stimulation of interleukin 2 and interferon gamma production by leukotriene B4 in human lymphocyte cultures. Rola–Pleszczynski M, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2–3):207–10
Leukotrienes do not modify the effects of PAF on human platelet aggregation. Filep J, et al. **Thromb Res** 1987 Mar 15;45(6):865–70

PHYSIOLOGY

Leukotrienes and prostanoids in health and disease. **Adv Prostaglandin Thromboxane Leukotriene Res** 1986; 16:3–405

Leukotrienes and prostaglandins in the immune system. Parker CW. **Adv Prostaglandin Thromboxane Leukotriene Res** 1986; 16:113–34 (101 ref.)

Chemotactic activity of LTB4 in man. Bisgaard H, et al. **Allergy** 1986 Jul;41(5):365–72

In vitro studies of human monocyte migration across endothelium in response to leukotriene B4 and f-Met-Leu-Phe. Miglíorisi G, et al. **Am J Pathol** 1987 Apr; 127(1):157–67

Regulation of phytohemagglutinin-induced bovine lymphocyte blastogenesis by leukotrienes. Atluru D, et al. **Am J Vet Res** 1986 Sep;47(9):1963–6

Behavior and clinical relevance of histamine and leukotrienes C4 and B4 in grass pollen-induced rhinitis. Miadonna A, et al. **Am Rev Respir Dis** 1987 Aug;136(2):357–62

Is leukotriene B4 an important mediator in human IgE-mediated allergic reactions? Peters SP, et al. **Am Rev Respir Dis** 1987 Jun;135(6 Pt 2):S42–5

Leukotrienes and prostaglandins [letter] Wardle EN. **Br J Hosp Med** 1987 Mar;37(3):269–70

Leukotrienes: role in cardiovascular physiology. Letts LG. **Cardiovasc Clin** 1987;18(1):101–13 (79 ref.)

Regulation of rat natural killing. II. Inhibition of cytolysis and activation by inhibitors of lipoxygenase: possible role of leukotrienes. Leung KH, et al. **Cell Immunol** 1986 Jul; 100(2):474–84

Clinical aspects of prostaglandins and leukotrienes in migraine. Parantainen J, et al. **Cephalalgia** 1986;6 Suppl 4:95–101

Leukotrienes in health and disease. Feuerstein G, et al. **FASEB J** 1987 Sep;1(3):186–92 (40 ref.)

Regulation of T cell activation by leukotriene B4. Goodwin JS. **Immunol Res** 1986;5(3):233–48 (69 ref.)

Identification of interferon-gamma as the lymphokine that mediates leukotriene B4-induced immunoregulation. Rola-Pleszczynski M, et al. **J Immunol** 1987 Jul 15; 139(2):513–7

Independent regulation of leukotriene B4-elicited polymorphonuclear leukocyte exocytosis and superoxide generation by a serum factor. Mandell BF. **J Leukocyte Biol** 1987 Apr;41(4):318–24

Stimulus amplification by PAF and LTB4 in human neutrophils. Baggiolini M, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:51–9

Questionable role of leukotriene B4 in monosodium urate (MSU)-induced synovitis in the dog. Carlson RP, et al. **Prostaglandins** 1986 Oct;32(4):579–85

LTB4 mediated hypoxemia in guinea pigs: relationship to pulmonary and cardiovascular pathophysiology. Lee CW, et al. **Prostaglandins** 1987 Jan;33(1):3–16

Evidence for a dual pathway in platelet activating factor-induced aggregation of rat polymorphonuclear leucocytes. Moodley I, et al. **Prostaglandins** 1987 Feb; 33(2):253–64

Leukotriene B4, a mediator of inflammation? Thorsen S. **Scand J Rheumatol** 1986;15(3):225–36 (104 ref.)

[Leukotrienes—mediators of inflammation, ischemia and shock. Their significance in the pathogenesis of central nervous system diseases] Mayer M. **Cas Lek Cesk** 1987 Jan 3;126(1):15–8 (Eng. Abstr.) **(Cze)**

[Leukotrienes in allergic and inflammatory conditions] Bisgaard H, et al. **Ugeskr Laeger** 1986 Dec 15; 148(51):3435–9 (Eng. Abstr.) **(Dan)**

[Significance of prostaglandins and leukotrienes in gastroenterology] Peskar BM. **Internist (Berlin)** 1986 Oct; 27(10):637–42 **(Ger)**

[The mediator of inflammation leukotriene B4] Rudakov IA, et al. **Patol Fiziol Eksp Ter** 1987 Mar-Apr;(2):80–2 (54 ref.) **(Rus)**

[Leukotrienes—a new class of physiologically active compounds (review of the literature)] Lipkan GN. **Vrach Delo** 1987 Feb;(2):15–9 (136 ref.) **(Rus)**

SECRETION

Nonsteroidal antiinflammatory drugs induce UV-dependent histamine and leukotriene release from peripheral human leukocytes. Ring J, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):344–6

Phorbol myristate acetate and the calcium ionophore A23187 synergistically induce release of LTB4 by human neutrophils: involvement of protein kinase C activation in regulation of the 5-lipoxygenase pathway. Liles WC, et al. **J Immunol** 1987 May 15;138(10):3396–402

Differential release and effects of LTB4 in guinea-pig lung "in vitro"Hernandez A, et al. **Pharmacol Res Commun** 1986 Dec;18(12):1139–49

Roles of leukotrienes in two rat allergic inflammatory models; IgE-mediated and IgG-antigen complex-induced pleurisies. Tanaka K, et al. **Prostaglandins** 1986 Jun; 31(6):1099–116

TOXICITY

Effects of chronic intracutaneous administration of arachidonic acid and its metabolites. Induction of leukocytoclastic vasculitis by leukotriene B4 and 12-hydroxyeicosatetraenoic acid and its prevention by prostaglandin E2. Ruzicka T, et al. **J Invest Dermatol** 1987 Feb;88(2):120–3

LEUKOTRIENES C see **SRS-A**

LEUKOTRIENES D see **SRS-A**

LEUKOVIRUS PROTEINS see **RETROVIRIDAE PROTEINS**

LEUKOVIRUSES see **RETROVIRIDAE**

LEUPEPTINS see under **OLIGOPEPTIDES**

LEUROCRISTINE see **VINCRISTINE**

LEVALLORPHAN

ANALOGS & DERIVATIVES

Dissociation of morphine withdrawal diarrhea and jumping in mice by the peripherally selective opioid antagonist SR 58002 C. Bianchetti A, et al. **Life Sci** 1986 Dec 15; 39(24):2297–303

THERAPEUTIC USE

Opiate-antagonist reversal of neurological deficits—experimental and clinical studies. Namba S, et al. **Jpn J Psychiatry Neurol** 1986 Mar;40(1):61–79

LEVAMISOLE

ADMINISTRATION & DOSAGE

Adjuvant combination immunotherapy (BCG and levamisole) in malignant melanoma. Dandapat MC, et al. **Indian J Cancer** 1985 Jun;22(2):100–7

[Effect of levamisole on the clinical status of patients with chronic spastic bronchitis during long-term treatment with corticosteroids] Matusiewicz R. **Wiad Lek** 1986 Dec 1; 39(23):1605–7 (Eng. Abstr.) **(Pol)**

[The effect of a sodium nucleinate and levamisole combination on the effectiveness of antibiotic therapy and bicillin prophylaxis of erysipelas recurrences] Frolov VM, et al. **Antibiot Med Biotekhnol** 1987 May;32(5):379–82 (Eng. Abstr.) **(Rus)**

[Experimental therapy of alveococcosis. 10. Effect of mebendazole combined with BCG or levamisole on the course of experimental alveococcosis in the mouse] Dzhabarova VI, et al. **Med Parazitol (Mosk)** 1986 Nov-Dec;(6):27–31 (Eng. Abstr.) **(Rus)**

[Use of levamisole in the complex treatment of patients with thyrotoxicosis] Afanas'eva NI, et al. **Ter Arkh** 1986; 58(10):97–100 (Eng. Abstr.) **(Rus)**

[Use of zymosan and levamisole in the complex treatment of patients with diffuse toxic goiter] Epishin AV, et al. **Ter Arkh** 1986;58(10):108–12 **(Rus)**

[Successfully treated multifocal microsporum infection of smooth skin] Bukharovich AM, et al. **Vestn Dermatol Venerol** 1987;(2):72–3 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Severe acute polyarthropathy associated with levamisole therapy in a patient with Crohn's disease. Benfield GF, et al. **Eur J Rheumatol Inflamm** 1984;7(2):63–5

ANALOGS & DERIVATIVES

The levamisole receptor, a cholinergic receptor of the nematode Caenorhabditis elegans. Lewis JA, et al. **Mol Pharmacol** 1987 Feb;31(2):185–93

PHARMACODYNAMICS

Isoprinosine and levamisole immunomodulation in artificially reared neonatal pigs. Hennessy KJ, et al. **Am J Vet Res** 1987 Mar;48(3):477–80

Effect of levamisole on the clinical and immunologic responses to oral vaccine of Treponema hyodysenteriae. Jenkins EM, et al. **Am J Vet Res** 1987 Apr;48(4):657–60

Effects of dexamethasone, levamisole, and dexamethasone-levamisole combination on neutrophil function in female goats. Maddux JM, et al. **Am J Vet Res** 1987 Jul;48(7):1114–9

The effect of levamisole on energy metabolism in Ehrlich ascites tumour cells in vitro. Gumińska M, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4369–74

Levamisole: mode of action. Harris BG. **Biochem Soc Trans** 1987 Feb;15(1):61

Dose- and time-dependent effect of levamisole on the elimination of antipyrine in the rat. Svensson CK, et al. **Drug Metab Dispos** 1987 May-Jun;15(3):432–4

Alterations in the differentiation of chick retina caused by an intraocular injection of an alkaline phosphatase inhibitor. Araki M, et al. **Exp Eye Res** 1986 Nov;43(5):713–28

Potentiation of interleukin-2 activity by levamisole and imidazole. Redondo JM, et al. **Immunol Lett** 1987 Jan; 14(2):111–6

Investigation of some effects of levamisole on dog blood pressure. Shah KK, et al. **Indian J Physiol Pharmacol** 1986 Jan-Mar;30(1):55–62

Effects of levamisole in murine brucellosis [letter] Young EJ, et al. **J Infect Dis** 1987 Sep;156(3):530–1

Effects of fructose, levamisole and vanadate on insulin action in rat adipose tissue. Blakely SR, et al. **J Nutr** 1987 Mar; 117(3):559–66

Enhanced gastrointestinal absorption of drugs in rats pretreated with the synthetic immunomodulator, levamisole. Utsumi E, et al. **J Pharm Pharmacol** 1987 Apr; 39(4):307–9

Long-term effect of levamisole on the immune functions in melanoma patients. Joensuu H, et al. **Strahlenther Onkol** 1986 Dec;162(12):753–6

Suspected resistance of Ostertagia ostertagi in cattle to levamisole. Geerts S, et al. **Vet Parasitol** 1987 Jan; 23(1-2):77–82

Resistance of Trichostrongylus colubriformis to levamisole and morantel: differences in relation to selection history. Waller PJ, et al. **Vet Parasitol** 1986 Oct;21(4):255–63

Combined effect of slow release levamisole and prolate on acetylcholinesterase activity in cattle. Ford EJ, et al. **Vet Rec** 1987 Jun 13;120(24):579–80

[Effect of levamisole on the cytochemical function of leukocytes and on blood lysozyme in sheep] Goranov Kh, et al. **Vet Med Nauki** 1987;24(2):72–6 (Eng. Abstr.) **(Bul)**

[Comparative studies of the immunostimulating (paramunizing) effectiveness of BCG, levamisole, Corynebacterium parvum and preparations of pock viruses in various in vivo and in vitro tests] Mayr A, et al. **Zentralbl Veterinarmed [B]** 1986 Jun;33(5):321–39 (Eng. Abstr.) **(Ger)**

[Effect of papain and levamisole on the body's immunological indices and oxidation-reduction processes in experimental sensitization] Kartoziia TsI, et al. **Antibiot Med Biotekhnol** 1986 Aug;31(8):611–4 (Eng. Abstr.) **(Rus)**

POISONING

Levamisole toxicosis in a dog. Montgomery RD, et al. **J Am Vet Med Assoc** 1986 Sep 15;189(6):684–5

THERAPEUTIC USE

Postoperative radiation therapy and adjuvant chemoimmunotherapy in breast cancer. Aspects of timing and immune competence. Klefström P, et al. **Acta Radiol [Oncol]** 1986 May-Jun;25(3):161–6

Levamisole in Crohn's disease: a randomized, double-blind, placebo-controlled clinical trial. Sachar DB, et al. **Am J Gastroenterol** 1987 Jun;82(6):536–9

Efficacy, safety, and residue evaluation of levamisole gel formulation in sows. Berger H, et al. **Am J Vet Res** 1987 May;48(5):852–4

Anthelmintic effect of levamisole hydrochloride or ivermectin on tissue toxocariasis of mice. Carrillo M, et al. **Am J Vet Res** 1987 Feb;48(2):281–3

Five year results of a randomized trial of adjuvant 5-fluorouracil and levamisole in colorectal cancer. Windle R, et al. **Br J Surg** 1987 Jul;74(7):569–72

Adjuvant postoperative radiotherapy, chemotherapy, and immunotherapy in stage III breast cancer. II. 5-year results and influence of levamisole. Klefström P, et al. **Cancer** 1987 Sep 1;60(5):936–42

Levamisole as adjuvant immunotherapy in breast cancer. Treurniet-Donker AD, et al. **Cancer** 1987 May 1; 59(9):1590–3

The influence of levamisole and hyperthermia on the incidence of metastases from an X-irradiated tumor. Baker D, et al. **Cancer Invest** 1986;4(4):287–92

Evolution of acute lymphoblastic leukemia in mice treated with carrier-bound methotrexate and levamisole. Soriano L, et al. **Chemotherapy** 1987;33(2):123–8

Goldsalts, levamisole and D-penicillamine as first choice slow-acting antirheumatic drugs in rheumatoid arthritis—a long-term follow-up study. Veys EM, et al. **Clin Exp Rheumatol** 1987 Apr-Jun;5(2):111–6

Experimental chemotherapy of Angiostrongylus cantonensis infection in mice with flubendazole, levamisole, and their combination. Kamath VR, et al. **Folia Parasitol (Praha)** 1987;34(1):87–92

Evaluation of levamisole, an immunopotentiator, in the treatment of lepromatous leprosy. Kar HK, et al. **Indian J Lepr** 1986 Oct-Dec;58(4):592–600

Levamisole in pediatric practice. Jain RK, et al. **Indian Pediatr** 1986 Nov;23(11):942–4

Efficacy of acyclovir combined with immunopotentiating agents in the treatment of varicella-zoster. Tanphaichitra D, et al. **J Antimicrob Chemother** 1987 Feb;19(2):255–62

Efficacy of Levamisol on milk production of dairy cows: a field study. Block E, et al. **J Dairy Sci** 1987 May; 70(5):1080–5

Phagocytic activity of the tumor associated macrophages in relation to tumor growth: modulation with levamisole. Bhattacharyya S, et al. **Neoplasma** 1986;33(4):519–26

Adjuvant immunochemotherapy in colorectal cancer Dukes C. Sertoli MR, et al. **Oncology** 1987;44(2):78–81

The effect of levamisole on the maintenance of remission of ulcerative colitis. A 2-year double-blind study. Hermanowicz A, et al. **Scand J Gastroenterol** 1987 Apr; 22(3):367–71

[Effect of tuberculin and levamisole on the immune response after vaccinating calves against para-influenza and Salmonella infections] Ivanov IE, et al. **Vet Med Nauki**

1987;24(4):43–9 (Eng. Abstr.) **(Bul)**

[Mechanism of levamisole in preventing hookworm infection] Wu YF, et al. **Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1987;5(1):39–41 (Eng. Abstr.) **(Chi)**

[Therapy of myocarditis with levamisole] Niedworok J, et al. **Z Gesamte Inn Med** 1986 Aug 15;41(16):456–8 (Eng. Abstr.) **(Ger)**

[Evaluation of cellular response in patients with erythema multiforme treated with Decaris] Olszewska Z, et al. **Przegl Dermatol** 1986 Sep–Oct;73(5):373–8 (Eng. Abstr.) **(Pol)**

[Effect of prodigiozan, levamisole and methyluracil on the course of an experimental infection and primary immune response] Riabchinskaia LA, et al. **Antibiot Med Biotekhnol** 1986 Aug;31(8):606–10 (Eng. Abstr.) **(Rus)**

[Effect of dekaris on the immunity indices in pneumonia and diabetes mellitus] Zhukov NA, et al. **Farmakol Toksikol** 1986 Sep–Oct;49(5):103–5 (Eng. Abstr.) **(Rus)**

[Immunocorrection in the treatment of beta–thalassemia] Dzhashi NV, et al. **Gematol Transfuziol** 1987 Jan;32(1):24–6 (Eng. Abstr.) **(Rus)**

[Suppurative surgical infection in newborn infants and the clinico–immunological effect of using dekaris] Samsygin SA, et al. **Khirurgiia (Mosk)** 1986 Aug;(8):21–6 (Eng. Abstr.) **(Rus)**

[Hypertransfusion, chelating and immunocorrective therapy in beta–thalassemia major] Zeinalova AA, et al. **Pediatriia** 1987;(2):55–60 (Eng. Abstr.) **(Rus)**

[Levamisole in the treatment of late middle–aged pulmonary tuberculosis patients] Keleberda KIa, et al. **Probl Tuberk** 1987;(1):42–5 (Eng. Abstr.) **(Rus)**

[Comparative effectiveness of levamisole and vaccine in the complex treatment of patients with brucellosis] Mukovozova LA. **Ter Arkh** 1986;58(10):43–5 (Eng. Abstr.) **(Rus)**

[Combined immunomodulating therapy of chronic diseases of the respiratory system] Zemskov AM, et al. **Ter Arkh** 1987;59(3):105–8 **(Rus)**

[Immunoregulation in the treatment of patients with acute pancreatitis] Laptev VV, et al. **Vestn Khir** 1987 Mar; 138(3):40–3 (Eng. Abstr.) **(Rus)**

[The use of levamisole (decaris) in patients with inoperable lung cancer] Pivniuk VM, et al. **Vopr Onkol** 1987;33(5):82–6 (Eng. Abstr.) **(Rus)**

[Effect of levamisole on the immunologic reactivity and efficacy of treatment of patients with siderosilicotuberculosis] Afonin AP, et al. **Vrach Delo** 1987 Jan;(1):110–2 (Eng. Abstr.) **(Rus)**

[Clinical efficacy of various immunomodulating drugs in cirrhosis of the liver] Perederil VG, et al. **Vrach Delo** 1987 May;(5):15–7 (Eng. Abstr.) **(Rus)**

[Effect of levamisole on T– and B–lymphocyte counts in viral hepatitis B] Vozianova ZhI, et al. **Vrach Delo** 1986 Nov;(11):112–4 (Eng. Abstr.) **(Rus)**

[Use of the immunomodulator levamisole in the complex treatment of juvenile schizophrenics with an unfavorable course] Mikheeva TV, et al. **Zh Nevropatol Psikhiatr** 1987; 87(1):109–13 (Eng. Abstr.) **(Rus)**

[Treatment of juvenile papillomatosis of the larynx using interferon and levamisole] Klačanský I, et al. **Cesk Otolaryngol** 1986 Sep;35(5):273–7 (Eng. Abstr.) **(Slo)**

[Treatment with levamisole of infection by Mansonella ozzardi] Restrepo M, et al. **Rev Inst Med Trop Sao Paulo** 1986 Mar–Apr;28(2):104–10 (Eng. Abstr.) **(Spa)**

LEVARTERENOL see **NOREPINEPHRINE**

LEVEEN SHUNT see **PERITONEOVENOUS SHUNT**

LEVOAMPHETAMINE see **AMPHETAMINE**

LEVOCARDIA see under **HEART DEFECTS, CONGENITAL**

LEVODOPA

ADMINISTRATION & DOSAGE

Controlled release levodopa–carbidopa (CR–5) in the management of parkinsonian motor fluctuations. Juncos JL, et al. **Arch Neurol** 1987 Oct;44(10):1010–2

Postnatal administration of L–dopa normalizes hypoxia–induced long–term changes in dopamine release from striatum slices and in avoidance learning. Lun A, et al. **Biomed Biochim Acta** 1986;45(10):1277–83

The role of L–dopa holiday in the long–term management of Parkinson's disease. Kaye JA, et al. **Clin Neuropharmacol** 1986;9(1):1–13 (30 ref.)

Comparison of levodopa with carbidopa, and levodopa with domperidone in Parkinson's disease. Langdon N, et al. **Clin Neuropharmacol** 1986;9(5):440–7

Effect of antacid on levodopa therapy. Lau E, et al. **Clin Neuropharmacol** 1986;9(5):477–9

Treatment of motor fluctuations in Parkinson's disease with an oral sustained–release preparation of L–dopa: clinical and pharmacokinetic observations. Poewe WH, et al. **Clin Neuropharmacol** 1986;9(5):430–9

Optimization of drug administration by a Tauberian approach. Hacisalihzade SS, et al. **IEEE Trans Biomed Eng** 1987 Jun;34(6):430–6

Parkinson's disease: follow–up after "drug holiday"Feldman RG, et al. **J Clin Pharmacol** 1986 Nov–Dec;26(8):662–7

Ganzfeld electroretinographic findings in parkinsonism: untreated patients and the effect of levodopa intravenous infusion. Jaffe MJ, et al. **J Neurol Neurosurg Psychiatry** 1987 Jul;50(7):847–52

Timing of levodopa therapy: evidence from MPTP–treated primates [letter] Clarke CE, et al. **Lancet** 1987 Mar 14; 1(8533):625

When should levodopa be started? [letter] Quinn N, et al. **Lancet** 1986 Oct 25;2(8513):985–6

"Drug holiday" in Parkinson's disease.Kenny A, et al. **Nebr Med J** 1987 May;72(5):149–53

Controlled–release Sinemet [letter] Goetz CG, et al. **Neurology** 1987 Sep;37(9):1567–8

Low–dose L–dopa therapy in Parkinson's disease: a 6–year follow–up study. Poewe WH, et al. **Neurology** 1986 Nov; 36(11):1528–30

Use of carbidopa as an adjuvant to levodopa/carbidopa therapy in patients with Parkinson's disease [letter] Lieberman AN, et al. **NY State J Med** 1986 Dec; 86(12):655–6

[Deprenyl as a co–adjuvant in the treatment of Parkinson disease] Ferrari E, et al. **Acta Neurol (Napoli)** 1986 Aug; 8(4):455–61 **(Ita)**

[Increased efficacy of teturam combined with L–DOPA in experimental alcoholism in the rat] Gromova EA, et al. **Zh Nevropatol Psikhiatr** 1986;86(8):1226–31 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Behavioral indicators of hallucinosis in levodopa–treated Parkinson's disease. Glantz RH, et al. **Adv Neurol** 1987; 45:417–20

Transient levodopa withdrawal in Parkinson's disease [letter] Maesner JE. **Clin Pharm** 1987 Jan;6(1):22

A modern medical Descartes. Kassirer JP, et al. **Hosp Pract [Off]** 1987 Sep 15;22(9):17, 21, 25

Problems arising during chronic treatment with L–dopa for Parkinson's disease: changes in response to treatment. Caraceni TA, et al. **J Neural Transm [Suppl]** 1986;22:189–99 (38 ref.)

Levodopa–induced dyskinesia and response fluctuations in primates rendered parkinsonian with 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP). Clarke CE, et al. **J Neurol Sci** 1987 May;78(3):273–80

Forms of dystonia in patients with Parkinson's disease. Kidron D, et al. **Neurology** 1987 Jun;37(6):1009–11

Levodopa withdrawal syndrome identical to neuroleptic malignant syndrome. Gibb WR, et al. **Postgrad Med J** 1986 Jan;62(723):59–60

Psychiatric disturbances occurring during levodopa therapy of Parkinson's disease. Lloyd KG. **Primary Care** 1977 Sep; 4(3):561–75

[Therapy in Parkinson syndrome (letter)] von Kummer R. **Dtsch Med Wochenschr** 1986 Oct 10;111(41):1581–2 **(Ger)**

[Long–term problems of levodopa therapy in Parkinson disease] Albani C, et al. **Schweiz Med Wochenschr** 1987 Mar 7;117(10):347–53 (Eng. Abstr.) **(Ger)**

[Parkinson disease, adverse effects of chronic levodopa therapy and drug holidays (letter)] Bermejo F, et al. **Arch Neurobiol (Madr)** 1986 Sep–Oct;49(5):300–2 **(Spa)**

ANALOGS & DERIVATIVES

Levodopa methyl ester treatment of Parkinson's disease. Juncos JL, et al. **Neurology** 1987 Jul;37(7):1242–5

ANALYSIS

Determination of L–3,4–dihydroxyphenylalanine in plasma and urine by high–performance liquid chromatography with fluorescence detection. Lee M, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan;35(1):235–40

Simultaneous determination of levodopa, its metabolites and carbidopa in clinical samples. Cedarbaum JM, et al. **J Chromatogr** 1987 Apr 10;415(2):393–9

[Simple photometric method for the determination of L–dopa and carbidopa in drug preparations] Steup A, et al. **Pharmazie** 1986 Oct;41(10):739 **(Ger)**

BIOSYNTHESIS

A micro–system for measuring oxygen kinetic parameters of biopterin linked hydroxylations: L–dopa synthesis and Parkinson's disease. Hagihara B, et al. **Adv Exp Med Biol** 1986;200:271–81

BLOOD

Pharmacokinetics of levodopa and motor fluctuations. Hardie RJ, et al. **Adv Neurol** 1987;45:487–92

Levodopa pharmacokinetic mechanisms and motor fluctuations in Parkinson's disease. Fabbrini G, et al. **Ann Neurol** 1987 Apr;21(4):370–6

Phenylalanine alters the mean power frequency of electroencephalograms and plasma L–dopa in treated patients with phenylketonuria. Krause W, et al. **Pediatr Res** 1986 Nov;20(11):1112–6

DIAGNOSTIC USE

Impaired response of growth hormone–releasing hormone (GHRH) measured in plasma after L–dopa stimulation in patients with idiopathic delayed puberty. Argente J, et al. **Acta Paediatr Scand** 1987 Mar;76(2):266–70

HISTORY

Background to the levodopa treatment of Parkinson's disease. Sourkes TL. **Primary Care** 1977 Sep;4(3):529–32

METABOLISM

Positron emission tomography in Parkinson's disease: glucose and DOPA metabolism. Martin WR, et al. **Adv Neurol** 1987;45:95–8

Age dependence in capacity–limited jejunal decarboxylation of levodopa in rats. Iwamoto K, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2151–5

Studies on the activity of L–threo–3,4–dihydroxyphenylserine (L–DOPS) as a catecholamine precursor in the brain. Comparison with that of L–dopa. Kato T, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):3051–7

Effects of different monoamine oxidase inhibitors on the metabolism of L–dopa in the rat brain. Nguyen TB, et al. **Biochem Pharmacol** 1987 May 15;36(10):1731–5

The pharmacokinetics of intravenous and oral levodopa in patients with Parkinson's disease who exhibit on–off fluctuations. Hardie RJ, et al. **Br J Clin Pharmacol** 1986 Oct;22(4):429–36

Circadian rhythms and contents of catechols in different brain structures, peripheral organs and plasma of the Atlantic cod, Gadus morhua. Ehrenström F, et al. **Comp Biochem Physiol [C]** 1987;87(1):193–202

Effect of age on gastrointestinal and hepatic first–pass effects of levodopa in rats. Iwamoto K, et al. **J Pharm Pharmacol** 1987 Jun;39(6):421–5

3–O–methyldopa and motor fluctuations in Parkinson's disease. Fabbrini G, et al. **Neurology** 1987 May;37(5):856–9

PHARMACODYNAMICS

Changes in the 5–HT–binding sites in the cerebral cortex, striatum and hypothalamus of rats during ageing and under the effect of dopaminergic agents. Petkov VD, et al. **Acta Physiol Pharmacol Bulg** 1987;13(1):11–9

Effect of L–DOPA, dopamine, dihydroxyphenyl acetic acid and homovanillic acid on Na,K–ATPase activity in rat proximal tubule segments. Bertorello A, et al. **Acta Physiol Scand** 1987 Aug;130(4):571–4

L–dopa challenge and relapse in schizophrenia. Davidson M, et al. **Am J Psychiatry** 1987 Jul;144(7):934–8

Effects of decarboxylase inhibitors on muricidal suppression by L–dopa in thiamine deficient rats. Onodera K. **Arch Int Pharmacodyn Ther** 1987 Feb;285(2):263–76

Reduction in paradoxical sleep after L–dopa administration in rats. Galarraga E, et al. **Behav Neural Biol** 1986 Nov; 46(3):249–56

Disappearance of hoarding behavior after 6–hydroxydopamine lesions of the mesolimbic dopamine neurons and its reinstatement with L–dopa. Kelley AE, et al. **Behav Neurosci** 1985 Jun;99(3):531–45

Phosphorylated isomers of L–dopa stimulate MSH binding capacity and responsiveness to MSH in cultured melanoma cells. McLane J, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):719–25

Nicotinic acid or N–methyl nicotinamide prolongs elevated brain dopa and dopamine in L–dopa treatment. Black MJ, et al. **Biochem Med Metab Biol** 1986 Oct;36(2):244–51

Transient shortening of estrous cycles in aging C57BL/6J mice: effects of spontaneous pseudopregnancy, progesterone, L–dihydroxyphenylalanine, and hydergine. Flurkey K, et al. **Biol Reprod** 1987 May;36(4):949–59

Biphasic actions of L–DOPA on the release of endogenous noradrenaline and dopamine from rat hypothalamic slices. Goshima Y, et al. **Br J Pharmacol** 1986 Sep;89(1):229–34

The modulation of dopamine–sensitive adenylate cyclase activity in the mouse caudate nucleus by estradiol. Tang LC. **Brain Res** 1987 Mar 3;405(1):178–82

Effects of 5–hydroxytryptamine, dopamine, and aromatic L–amino acids on growth hormone (GH)–releasing factor–stimulated GH release in rat anterior pituitaries. Lindström P, et al. **Endocrinology** 1987 Feb;120(2):780–4

Experimental study on resting tremor and L–dopa–induced dyskinesia. Ohmoto T. **Eur Neurol** 1987;26 Suppl 1:47–55

Effects of dopaminergic agonists on plasma luteinizing hormone–releasing hormone (LRH) and gonadotropins in man. Matsubara M, et al. **Horm Metab Res** 1987 Jan; 19(1):31–4

Role of dopamine in the inhibition of vasopressin secretion by L–dopa in carbidopa–treated dogs. Reid IA, et al. **Hypertension** 1986 Oct;8(10):890–6

Growth hormone inhibitory and stimulatory actions of L–dopa in patients with acromegaly. Hanew K, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):255–60

Inhibition of transformation by levodopa–carbidopa in lymphocytes derived from patients with melanoma. Wick MM. **J Invest Dermatol** 1987 May;88(5):535–7

Dopamine receptor changes in response to prolonged treatment with L–dopa. Groppetti A, et al. **J Neural Transm [Suppl]** 1986;22:33–45

Problems in daily motor performances in Parkinson's disease:

the continuous dopaminergic stimulation. Stocchi F, et al. **J Neural Transm [Suppl]** 1986;22:209–18

Determination of 3–methoxytyramine in rat brain by HPLC with electrochemical detection and its correlation with dopamine function after administration of a monoamine oxidase inhibitor and L–3,4–dihydroxyphenylalanine. Davies CL, et al. **J Neurochem** 1986 Dec;47(6):1919–23

Dopaminergic metabolism in various rat brain areas after L–dopa loading. el Gemayel G, et al. **J Pharm Pharmacol** 1986 Sep;38(9):691–4

Monitoring of dopamine metabolism by in vivo voltammetry and high performance liquid chromatography in L–dopa–treated rats. Aoki S, et al. **Jpn J Pharmacol** 1987 Jan;43(1):98–102

Inhibition of monoamine oxidase by 3,4–dihydroxyphenyl L–alanine and its analogues. Naoi M, et al. **Life Sci** 1987 Jan 26;40(4):321–8

Circling behavior in normoxic or hypoxic rats with unilateral 6–OHDA nigrostriatal lesion. Part 1. Effects of apomorphine and L–dopa. Saligaut C, et al. **Methods Find Exp Clin Pharmacol** 1987 Apr;9(4):219–24

'Choreic' movement induced by unilateral kainate lesion of the striatum and L–DOPA administration in monkey. Kanazawa I, et al. **Neurosci Lett** 1986 Nov 11;71(2):241–6

Biphasic actions of L–DOPA on the release of endogenous dopamine via presynaptic receptors in rat striatal slices. Misu Y, et al. **Neurosci Lett** 1986 Dec 12;72(2):194–8

L–dopa causes an acute, partial and reversible reversal of denervation–induced supersensitivity of striatal dopaminergic receptors. Ferre S, et al. **Psychopharmacology (Berlin)** 1987;91(2):254–6

[Effect of L–dopa on P300 component—study in patients with juvenile parkinsonism having a wearing–off phenomenon] Yamada T, et al. **Rinsho Shinkeigaku** 1987 Jan;27(1):53–7 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Individual levodopa therapy in Parkinson's disease. Albani C, et al. **Adv Neurol** 1987;45:497–501

Parkinson's disease and long–term levodopa therapy. Bergmann KJ, et al. **Adv Neurol** 1987;45:463–7

Sixteen–year follow–up of 100 patients begun on levodopa in 1968: emerging problems. Cedarbaum JM, et al. **Adv Neurol** 1987;45:469–72

Fluctuation in response to chronic levodopa therapy: pathogenetic and therapeutic considerations. Chase TN, et al. **Adv Neurol** 1987;45:477–80

Bromocriptine in the treatment of Parkinson's disease: a double–blind study against L–dopa/carbidopa. Gawel M, et al. **Adv Neurol** 1987;45:535–8

Familial Alzheimer's disease presenting as levodopa–responsive parkinsonism. Giménez–Roldán S, et al. **Adv Neurol** 1987;45:431–6

Dopamine D2 receptor density in parkinsonian brain is constant for duration of disease, age, and duration of L–dopa therapy. Guttman M, et al. **Adv Neurol** 1987; 45:51–7

Single–dose study of slow release preparation of levodopa and benserazide (Madopar HBS) in Parkinson's disease. Marion MH, et al. **Adv Neurol** 1987;45:493–6

Biochemical effects of chronic L–dopa treatment in rats: implications for emergence of tolerance phenomena in patients with Parkinson's disease. Melamed E, et al. **Adv Neurol** 1987;45:507–10

Pharmacokinetics of L–dopa in patients with Parkinson's disease. Mena MA, et al. **Adv Neurol** 1987;45:481–6

Double–blind controlled study of pergolide mesylate as an adjunct to Sinemet in the treatment of Parkinson's disease. Olanow CW, et al. **Adv Neurol** 1987;45:555–60

Comparison of efficacy of lisuride hydrogen malente with increased doses of levodopa in parkinsonian patients. Rabey JM, et al. **Adv Neurol** 1987;45:569–72

Low–dosage treatment in de novo patients with Parkinson's disease: a prospective study. van der Drift JH. **Adv Neurol** 1987;45:529–34

Long–term effect of levodopa on progression of Parkinson's disease. Webster DD, et al. **Adv Neurol** 1987;45:473–6

MAO type B inhibitors as adjunct to L–dopa therapy. Youdim MB, et al. **Adv Neurol** 1987;45:127–36

Effect of oral levodopa and carbidopa on coronary spasm in variant angina pectoris. Bugiardini R, et al. **Am J Cardiol** 1987 Sep 1;60(7):489–93

Clinical trial of carbidopa–L–dopa combination for cocaine abuse [letter] Rosen H, et al. **Am J Psychiatry** 1986 Nov; 143(11):1493

Factors that influence the occurrence of response variations in Parkinson's disease. de Jong GJ, et al. **Ann Neurol** 1987 Jul;22(1):4–7

Multi–center study of Parkinson mortality with early versus later dopa treatment. Diamond SG, et al. **Ann Neurol** 1987 Jul;22(1):8–12

To treat early or to treat late? [editorial] Duvoisin RC. **Ann Neurol** 1987 Jul;22(1):2–3

3–O–methyldopa and the response to levodopa in Parkinson's disease. Nutt JG, et al. **Ann Neurol** 1987 Jun;21(6):584–8

Dietary influences on the antiparkinsonian response to levodopa. Juncos JL, et al. **Arch Neurol** 1987 Oct; 44(10):1003–5

Restless legs syndrome [letter] Robinson ML. **Br Med J [Clin Res]** 1987 Apr 4;294(6576):903

Restless legs syndrome and periodic movements in sleep: physiopathology and treatment with L–dopa. Montplaisir J, et al. **Clin Neuropharmacol** 1986;9(5):456–63

The pharmacology of foot dystonia in parkinsonism. Poewe WH, et al. **Clin Neuropharmacol** 1987;10(1):47–56 (73 ref.)

Long–term influence of levodopa on bone mass and growth hormone in postmenopausal women with Parkinson's disease. Rico H, et al. **Clin Neuropharmacol** 1987; 10(1):87–91

Parkinson disease: electrophysiological (CNV) analysis related to pharmacological treatment. Amabile G, et al. **Electroencephalogr Clin Neurophysiol** 1986 Dec;64(6):521–4

Effect of increasing regimens of levodopa on chronic MPTP–induced parkinsonism in monkey; mechanographic and electromyographic data. Doudet D, et al. **Electromyogr Clin Neurophysiol** 1986 Dec;26(8):711–27

Effect of L–dopa on periodic movements in sleep in narcolepsy. Bédard MA, et al. **Eur Neurol** 1987;27(1):35–8

Prolactin and migraine: effect of L–dopa on plasma prolactin levels in migraineurs and normals. Nattero G, et al. **Headache** 1986 Jan;26(1):9–12

Excessive yawning and progressive supranuclear palsy. Sandyk R. **Int J Neurosci** 1987 May;34(1–2):123–4

Alleviation of severe emotional symptoms by carbidopa–levodopa, MSD, in a Parkinson's patient: a personal report. Doe J. **J Nerv Ment Dis** 1987 Mar; 175(3):185–6

Evaluation of chronic levodopa therapy in Parkinson's disease. Battistin L, et al. **J Neural Transm [Suppl]** 1986; 22:201–7

Effect of (–)deprenyl in long–term treatment of Parkinson's disease. A 10–years experience. Birkmayer W, et al. **J Neural Transm [Suppl]** 1986;22:219–25

(–)Deprenyl in the treatment of decompensated Parkinson's disease. Csanda E, et al. **J Neural Transm [Suppl]** 1986; 22:247–52

The role of MAO–b inhibitors in the treatment of Parkinson's disease. Ruggieri S, et al. **J Neural Transm [Suppl]** 1986; 22:227–33

Simple and complex movements off and on treatment in patients with Parkinson's disease. Benecke R, et al. **J Neurol Neurosurg Psychiatry** 1987 Mar;50(3):296–303

A case of normal pressure hydrocephalus presenting as levodopa responsive parkinsonism [letter] Clough CG. **J Neurol Neurosurg Psychiatry** 1987 Feb;50(2):234

Ocular motor and manual tracking in Parkinson's disease and the effect of treatment. Gibson JM, et al. **J Neurol Neurosurg Psychiatry** 1987 Jul;50(7):853–60

Controlled release levodopa treatment of motor fluctuations in Parkinson's disease. Juncos JL, et al. **J Neurol Neurosurg Psychiatry** 1987 Feb;50(2):194–8

Regional cerebral blood flow in patients with Parkinson's disease under chronic levodopa therapy: measurements during "on" and "off" response fluctuation. Melamed E, et al. **J Neurol Neurosurg Psychiatry** 1986 Nov;49(11):1301–4

Levodopa treatment may benefit or impair "frontal" function in Parkinson's disease [letter] Gotham AM, et al. **Lancet** 1986 Oct 25;2(8513):970–1

The Sydney multicentre study of Parkinson's disease. The first 18 months. Hely MA, et al. **Med J Aust** 1987 Feb 16;146(4):195–8

A case of neuroleptic malignant syndrome with myoglobinuric acute renal failure treated with dialysis and levodopa. Lambrecht ER, et al. **Neth J Med** 1987 Feb; 30(1–2):80–4

Controlled–release levodopa/carbidopa. I. Sinemet CR3 treatment of response fluctuations in Parkinson's disease. Cedarbaum JM, et al. **Neurology** 1987 Feb;37(2):233–41

Peripheral pharmacokinetics of levodopa in untreated, stable, and fluctuating parkinsonian patients. Gancher ST, et al. **Neurology** 1987 Jun;37(6):940–4

Progression of Parkinson's disease without levodopa. Goetz CG, et al. **Neurology** 1987 Apr;37(4):695–8

Parkinson's disease and motor fluctuations: long–acting carbidopa/levodopa (CR–4–Sinemet). Goetz CG, et al. **Neurology** 1987 May;37(5):875–8

Early combination of bromocriptine and levodopa in the treatment of Parkinson's disease: a 5–year follow–up. Rinne UK. **Neurology** 1987 May;37(5):826–8

Smooth pursuit during dose–related on–off fluctuations in Parkinson's disease. Sharpe JA, et al. **Neurology** 1987 Aug; 37(8):1389–92

Patients sought for New Zealand multi–centre Parkinson's disease trial [letter] Wallis WE. **NZ Med J** 1987 Jan 28; 100(816):33

Parkinson's disease in the elderly: a long–term efficacy study of levodopa/benserazide combination therapy. Mondal BK, et al. **Pharmatherapeutica** 1986;4(9):571–6

Levodopa in the treatment of Parkinson's disease. Lloyd KG. **Primary Care** 1977 Sep;4(3):541–60

Local cerebral metabolic effects of L–dopa therapy in 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine–induced parkinsonism in monkeys. Porrino LJ, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5995–9

Long–term effects of L–dopa and procyclidine on neuroleptic–induced extrapyramidal and schizophrenic symptoms. Chouinard G, et al. **Psychopharmacol Bull** 1987; 23(1):221–6

[Toloxatone, parkinsonism and dopa therapy] Cantagrel A, et al. **Therapie** 1986 Nov–Dec;41(6):493–7 (Eng. Abstr.) **(Fre)**

[Early or late onset of L–dopa treatment in Parkinson disease?] von Kummer R, et al. **Nervenarzt** 1986 Nov; 57(11):634–9 **(Ger)**

[Clinical modification of cerebral palsy of the extrapyramidal type by L–dopa (Dopaflex)—longitudinal pilot study] Grauel A. **Padiatr Grenzgeb** 1986;25(5):383–7 (Eng. Abstr.) **(Ger)**

[Bromocriptine and L–dopa therapy: comparison in a case of hereditary progressive dystonia with marked diurnal fluctuations] Nomura K, et al. **No To Hattatsu** 1987 May; 19(3):244–8 (Eng. Abstr.) **(Jpn)**

[Hereditary progressive dystonia—an observation of the catecholamine metabolism during L–DOPA therapy in a 9–year–old girl] Shimoyamada Y, et al. **No To Hattatsu** 1986;18(6):505–9 (Eng. Abstr.) **(Jpn)**

[Use of neurotropic agents in the combined treatment of patients with exacerbated chronic nonspecific salpingo–oophoritis] Plotnikova VN, et al. **Akush Ginekol (Mosk)** 1987 Mar;(3):51–4 (Eng. Abstr.) **(Rus)**

[Use of L–DOPA in the complex treatment of severe craniocerebral injuries] Piasetskaia MV, et al. **Zh Nevropatol Psikhiatr** 1987;87(5):660–4 (Eng. Abstr.) **(Rus)**

LEVOMEPRAZIN see **METHOTRIMEPRAZINE**

LEVOMEPROMAZINE see **METHOTRIMEPRAZINE**

LEVOMYCETIN see **CHLORAMPHENICOL**

LEVONOREPINEPHRINE see **NOREPINEPHRINE**

LEVOPROPOXYPHENE see **PROPOXYPHENE**

LEVORPHAN see **LEVORPHANOL**

LEVORPHANOL

Dependence on dextromethorphan hydrobromide. Fleming PM. **Br Med J [Clin Res]** 1986 Sep 6;293(6547):597

ANALOGS & DERIVATIVES

Comparative antitussive effects of dextrorphan, dextromethorphan and phencyclidine. Lal J, et al. **Arzneimittelforschung** 1986 Jul;36(7):1075–8

Dextrorphan and dextromethorphan attenuate glutamate neurotoxicity. Choi DW. **Brain Res** 1987 Feb 17; 403(2):333–6

Dextromethorphan and carbetapentane: centrally acting non–opioid antitussive agents with novel anticonvulsant properties. Tortella FC, et al. **Brain Res** 1986 Sep 24; 383(1–2):314–8

The treatment of acute transient cough: a placebo–controlled comparison of dextromethorphan and dextromethorphan–beta 2–sympathomimetic combination. Tukiainen H, et al. **Eur J Respir Dis** 1986 Aug;69(2):95–9

Effect of dextromethorphan and levomethorphan on gastric emptying and intestinal transit in the rat. Gaginella TS, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):388–91

Effect of dextromethorphan on guinea pig ileal contractility in vitro: comparison with levomethorphan, loperamide and codeine. Kachur JF, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):661–7

Potentiation of disruptive effects of dextromethorphan by naloxone on fixed–interval performance in rats. Taşkin T. **Psychopharmacology (Berlin)** 1986;90(3):408–11

IMMUNOLOGY

NMR studies of flexible opiate conformations at monoclonal antibody binding sites. I. Transferred nuclear Overhauser effects show bound conformations [published erratum appears in Biochem Biophys Res Commun 1987 Mar 13;143(2):797] Glasel JA, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1267–73

PHARMACODYNAMICS

Effects of opiate manipulations on latent inhibition in rabbits: sensitivity of the medial septal region to intracranial treatments. Gallagher M, et al. **Behav Neurosci** 1987 Jun; 101(3):315–24

Selective breeding for levorphanol–induced antinociception on the hot–plate assay: commonalities in mechanism of action with morphine, pentazocine, ethylketocyclazocine, U–50488H and clonidine in mice. Belknap JK, et al. **J Pharmacol Exp Ther** 1987 May;241(2):477–81

Dextrorphan and levorphanol selectively block N–methyl–D–aspartate receptor–mediated neurotoxicity on cortical neurons. Choi DW, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):713–20

Levorphanol but not dextrorphan suppresses the foot–lifting response to an aversive thermal stimulus in the terrestrial snail, Cepaea nemoralis. Hirst M, et al. **Neuropharmacology** 1987 Feb–Mar;26(2–3):121–3

LEVOTETRAMISOLE see **LEVAMISOLE**

LEVOTHYROXINE see **THYROXINE**

LEVULINIC ACIDS

Nonenzymatic synthesis of delta–aminolevulinate (ALA) by cobalt (Co++). Singh NK, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):439–46

ANALYSIS

[Concentration of lead and several components of porphyrin metabolism in the blood and urine of persons with no industrial contact with lead] Semenova LS, et al. **Lab Delo** 1987;(2):11–4 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Identification of an intermediate of delta-aminolevulinate biosynthesis in Chlamydomonas by high-performance liquid chromatography. Mau YH, et al. **Arch Biochem Biophys** 1987 May 15;255(1):75–9

BLOOD

Measurement of 5-aminolaevulinic acid by reversed phase HPLC and fluorescence detection. Minder EI. **Clin Chim Acta** 1986 Nov 30;161(1):11–8

[Lead poisoning, blood lead and delta-aminolevulinic acid (letter)] Otero González A. **Med Clin (Barc)** 1986 Oct 11; 87(11):480 **(Spa)**

METABOLISM

Photoreduction of protochlorophyllide and its relationship to delta-aminolaevulinic acid synthesis in the leaves of dark-grown barley (Hordeum vulgare) seedlings. Stobart AK, et al. **Biochem J** 1986 Jun 15;236(3):741–8

delta-Aminolaevulinic acid in plasma, cerebrospinal fluid, saliva and erythrocytes: studies in normal, uraemic and porphyric subjects. Gorchein A, et al. **Clin Sci** 1987 Jan; 72(1):103–12

Effect of unbalanced diets on incorporation of delta-aminolevulinic acid into cytochrome P-450. Amelizad Z, et al. **FEBS Lett** 1987 Aug 10;220(1):231–5

Isolation and characterization of an aminolevulinate-requiring Rhodobacter capsulatus mutant. Wright MS, et al. **J Bacteriol** 1987 Mar;169(3):961–6

Myeloperoxidase precursors incorporate heme. Arnljots K, et al. **J Biol Chem** 1987 Aug 5;262(22):10430–3

Enzymatic conversion of glutamate to delta-aminolevulinic acid in soluble extracts of Euglena gracilis. Mayer SM, et al. **J Biol Chem** 1987 Sep 15;262(26):12541–9

In vitro distribution of porphyrin metabolites from 10(-3) M delta-aminolevulinic acid in primary neural tissue cultures. Durkó I, et al. **Neurochem Res** 1987 May; 12(5):465–8

PHARMACODYNAMICS

Genetic differences in the effects of delta-aminolevulinic acid on seizure latency in mice. Wehner JM, et al. **Exp Neurol** 1986 Nov;94(2):280–91

Differential effects of inorganic lead and delta-aminolevulinic acid in vitro on synaptosomal gamma-aminobutyric acid release. Minnema DJ, et al. **Toxicol Appl Pharmacol** 1986 Dec;86(3):437–47

[Porphobilinogen synthase activity and porphyrin biosynthesis in the erythrocytes after incubation with delta-aminolevulinic acid in pernicious anemia patients] Arsov Ts, et al. **Vutr Boles** 1987;26(2):91–5 (Eng. Abstr.) **(Bul)**

TOXICITY

Inactivation by monochromatic near-UV radiation of an Escherichia coli hemA8 mutant grown with and without delta-aminolevulinic acid: the role of DNA vs membrane damage. Peak MJ, et al. **Photochem Photobiol** 1987 Apr; 45(4):473–8

URINE

Creatinine and specific gravity adjustment of ALA in urinary spot samples: is there any need? Dell'Orto A, et al. **Am Ind Hyg Assoc J** 1987 May;48(5):A331–2

Optimized liquid-chromatographic method for fluorometric determination of urinary delta-aminolevulinic acid in workers exposed to lead. Tomokuni K, et al. **Clin Chem** 1987 Sep;33(9):1665–7

Quantitative determination of urinary delta-aminolevulinic acid as an index of lead exposure by high-performance liquid chromatography. Ogata M, et al. **Ind Health** 1986; 24(4):259–64

High performance liquid chromatographic procedure for quantitative determination of urinary delta-aminolevulinic acid as indices of lead exposure. Ogata M, et al. **Int Arch Occup Environ Health** 1987;59(4):385–91

Evaluation of a new specific analysis of urinary delta-aminolevulinic acid in man. Witting U, et al. **Int Arch Occup Environ Health** 1987;59(4):375–83

Statistical investigations into the measured DALA—discharge in the urine of infants. Diener W, et al. **J Hyg Epidemiol Microbiol Immunol** 1987;31(2):153–61

Urinary excretion of 5-hydroxyindoleacetic acid, delta-aminolevulinic acid and coproporphyrin isomers in rats and men exposed to lead. Ichiba M, et al. **Toxicol Lett** 1987 Sep;38(1-2):91–6

[Chronobiological study of the urinary excretion of delta-aminolevulinic acid in man] Botta A, et al. **Rev Med Interne** 1986 Sep;7(4):421–4 **(Fre)**

[Improved method for the determination of urinary delta-aminolevulinic acid in lead workers] Tomokuni K, et al. **Sangyo Igaku** 1986 Mar;28(2):114–8 (Eng. Abstr.) **(Jpn)**

[Determination of delta aminolevulinic acid in the urine of cows in acute mass lead poisoning] Szabóová E, et al. **Vet Med (Praha)** 1987 May;32(5):269–78 (Eng. Abstr.) **(Slo)**

[Urinary delta-aminolevulinic acid levels in dairy cows during lead loading from feed rations under normal conditions of rearing in the Western Slovakia Region] Szabóová E, et al. **Vet Med (Praha)** 1986 Nov;31(11):659–68 (Eng. Abstr.) **(Slo)**

[Evaluation of porphyrinogenic effect of lindane in rats] Vila MC, et al. **Acta Physiol Pharmacol Latinoam** 1986; 36(1):69–76 (Eng. Abstr.) **(Spa)**

LEVULOSE see FRUCTOSE

LEWANDOWSKY-LUTZ DISEASE see EPIDERMODYSPLASIA VERRUCIFORMIS

LEWIS BLOOD-GROUP SYSTEM

ABH and Lewis blood group expression in colorectal carcinoma. Schoentag R, et al. **Cancer Res** 1987 Mar 15; 47(6):1695–700

Crystallization of the lectin IV of Griffonia simplicifolia and its complexes with the Lewis b and Y human blood group determinants. Vandonselaar M, et al. **J Biol Chem** 1987 Aug 5;262(22):10848–9

Lewis typing of human bloodstains by enzyme-linked immunosorbent assay (ELISA) using monoclonal anti-Le(a) and anti-Le(b). Takatori T, et al. **J Forensic Sci** 1987 Jul;32(4):900–5

The occurrence of blood group substances (A, B, H, Le-a, Le-b) in salivary glands and salivary gland tumors. An immunohistochemical investigation. Hamper K, et al. **J Oral Pathol** 1986 Jul;15(6):334–8

Expression of LewisX and sialylated LewisX antigens in human colorectal polyps. Yuan M, et al. **JNCI** 1987 Mar; 78(3):479–88

ANALYSIS

Lewis and related tumor-associated determinants on ovarian carcinoma. Ordoñez NG, et al. **Gynecol Oncol** 1987 Jan; 26(1):1–10

Cancer-associated alterations of blood group antigen expression in the human pancreas. Itzkowitz SH, et al. **JNCI** 1987 Sep;79(3):425–34

Neoexpression of ABH and Lewis blood group antigens in human hepatocellular carcinomas. Okada Y, et al. **JNCI** 1987 Jan;78(1):19–28

GENETICS

Elevated activities of blood group Le gene dependent alpha(1——3)-L-fucosyltransferase in human saliva of Lewis negative patients with epithelial ovarian cancer. Yazawa S, et al. **Cancer Lett** 1986 Aug;32(2):165–9

ABH-secretion and Lewis red cell groups in diabetic and normal subjects from Ethiopia. Peters WH, et al. **Exp Clin Endocrinol** 1986 Nov;88(1):64–70

Association of the human Lewis blood group Le(a-b-c-d-) with the failure of expression of alpha-3-L fucosyltransferase. Greenwell P, et al. **Rev Fr Transfus Immunohematol** 1986 Sep;29(4):233–49

Genetics of ABO, H, Lewis, X and related antigens. Oriol R, et al. **Vox Sang** 1986;51(3):161–71 (59 ref.)

[True hermaphroditism in a child with a chimeric XX/XY chromosome, a double erythrocyte population and an unusual Lewis (a+ b+) phenotype] Poissonnier M, et al. **J Genet Hum** 1987 May;35(2-3):119–29 (Eng. Abstr.) **(Fre)**

[ABH and Lewis antigens in the tracheal glands. I. Lewis-positive individuals] Pedal I, et al. **Z Rechtsmed** 1986;97(2):89–98 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Detection of urothelial Lewis antigens with monoclonal antibodies. Limas C. **Am J Pathol** 1986 Dec;125(3):515–23

Monoclonal antibody CC3C195, which detects cancer-associated antigens in serum, binds to the human Lea blood group antigen and to its sialylated derivative. Fukuta S, et al. **Arch Biochem Biophys** 1987 May 15; 255(1):214–6

Expression of ABH and Lewis blood group antigens in combined hepatocellular-cholangiocarcinoma. Possible evidence for the hepatocellular origin of combined hepatocellular-cholangiocarcinoma. Okada Y, et al. **Cancer** 1987 Aug 1;60(3):345–52

Expression of LeY and extended LeY blood group-related antigens in human malignant, premalignant, and nonmalignant colonic tissues. Kim YS, et al. **Cancer Res** 1986 Nov;46(11):5985–92

A bone marrow transplant with an acquired anti-Le(a): a case study. Myser T, et al. **Hum Immunol** 1986 Oct; 17(2):102–6

Typing of urine in the ABO and Lewis systems. Kotowski TM. **J Forensic Sci** 1987 Jul;32(4):1065–8

Blood group ABO and Lewis antigens in fetal and normal adult bladder urothelium: immunohistochemical study of type 1 chain structures. Orntoft TF, et al. **J Urol** 1987 Jul;138(1):171–6

ABO and Lewis blood group antigens of donor origin in the bile of patients after liver transplantation. Dzik WH, et al. **Transfusion** 1987 Sep-Oct;27(5):384–7

Immunohistochemical examination of lung cancers using monoclonal antibodies reacting with sialosylated Lewisx and sialosylated Lewisa. Kasai K, et al. **Virchows Arch [A]** 1986;410(3):253–61

Comparison of monoclonal antisera with conventional antisera for Lewis blood group antigen determination. Cowles JW, et al. **Vox Sang** 1987;52(1-2):83–4

[Expression of ABH-and Lewis antigens in the salivary glands—immunohistochemical studies] Lötterle J, et al. **Verh Dtsch Ges Pathol** 1986;70:352–7 (Eng. Abstr.) **(Ger)**

LEWIS SYSTEM see LEWIS BLOOD-GROUP SYSTEM

LEYDIG CELL TUMOR

ANALYSIS

Steroidogenesis-activator polypeptide isolated from a rat Leydig cell tumor. Pedersen RC, et al. **Science** 1987 Apr 10;236(4798):188–90

BLOOD

Endocrine investigations in two cases of feminizing Leydig cell tumour. Valensi P, et al. **Acta Endocrinol (Copenh)** 1987 Jul;115(3):365–72

Feminizing testicular Leydig cell tumor: hormonal profile before and after unilateral orchidectomy. Mineur P, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):686–91

[Leydig cell tumor of the testis with raised blood testosterone and erythrocytosis] Foresti V, et al. **Recenti Prog Med** 1987 Feb;78(2):73–5 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

The significance of learned food aversions in the aetiology of anorexia associated with cancer. Levine JA, et al. **Br J Cancer** 1987 Jul;56(1):73–8

Exceptional virilisation due to ovarian tumour and reversal after resection. Buckler HM, et al. **Br Med J** 1987 Feb 21;294(6570):480–1

Co-purification of transforming growth factor beta-like activity with PTH-like and bone-resorbing activities from a tumor associated with humoral hypercalcemia of malignancy. Insogna KL, et al. **Endocrinology** 1987 May; 120(5):2183–5

Estrogens and the Leydig LTW(m) tumor syndrome: anorexia and diet aversions attenuated by area postrema lesions. Bernstein IL, et al. **Physiol Behav** 1986;38(2):159–63

Hilus cell tumor [letter] Graubard Z, et al. **S Afr Med J** 1987 Jun 20;71(12):802

[Interstitial tumor of the testis associated with Klinefelter's syndrome and sterility] Tsvetkov D, et al. **Akush Ginekol (Sofiia)** 1986;25(4):67–9 (Eng. Abstr.) **(Bul)**

[Gynecomastia caused by Leydig cell neoplasms] Grandi M, et al. **Recenti Prog Med** 1986 Dec;77(12):557–60 (Eng. Abstr.) **(Ita)**

[Association of congenital adrenal hyperplasia due to partial 21-hydroxylase deficiency and bilateral testicular tumor] Orduña Espinosa R, et al. **Med Clin (Barc)** 1986 Oct 4; 87(10):417–20 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Leydig cell tumor of the testis. Four new cases. Jorion JL, et al. **Acta Urol Belg** 1986;54(4):450–8

Ultrasound detection of bilateral Leydig cell tumors in palpable normal testes. Corrie D, et al. **J Urol** 1987 Apr; 137(4):747–8

Androgen-producing hilus cell tumor of the ovary. Detection in a postmenopausal woman by duplex Doppler scanning. Russell JB, et al. **JAMA** 1987 Feb 20;257(7):962–3

ENZYMOLOGY

Similarities and differences in phorbol ester- and luteinizing-hormone-induced desensitization of rat tumour Leydig-cell adenylate cyclase. Dix CJ, et al. **Biochem J** 1987 Apr 15;243(2):373–7

Aromatase activity in a rat Leydig cell tumor. Orczyk GP, et al. **Endocrinology** 1987 Apr;120(4):1482–9

METABOLISM

Atrial natriuretic factor receptor on cultured Leydig tumor cells: ligand binding and photoaffinity labeling. Pandey KN, et al. **Biochemistry** 1986 Dec 30;25(26):8467–72

On the fates of receptor-bound ovine luteinizing hormone and human chorionic gonadotropin in cultured Leydig tumor cells. Demonstration of similar rates of internalization. Ascoli M, et al. **Endocrinology** 1987 Mar; 120(3):1161–72

Regulation of the cholesterol ester cycle of cultured Leydig tumor cells. Freeman DA. **Eur J Biochem** 1987 Apr 15; 164(2):351–6

Different processing of LH/hCG receptors in cultured rat luteal cells and murine Leydig tumour cells (MLTC-1). Kellokumpu S. **Exp Cell Res** 1987 Feb;168(2):299–308

Epidermal growth factor activates steroid biosynthesis in cultured Leydig tumor cells without affecting the levels of cAMP and potentiates the activation of steroid biosynthesis by choriogonadotropin and cAMP. Ascoli M,

et al. **J Biol Chem** 1987 Jul 5;262(19):9196–203

Immunoprecipitation of the lutropin/choriogonadotropin receptor from biosynthetically labeled Leydig tumor cells. A 92-kDa Glycoprotein. Kim IC, et al. **J Biol Chem** 1987 Jan 5;262(1):470–7

Inhibition of choriogonadotropin-activated steroidogenesis in cultured Leydig tumor cells by the Rp diastereoisomer of adenosine 3',5'-cyclic phosphorothioate. Pereira ME, et al. **J Biol Chem** 1987 May 5;262(13):6093–100

Norethindrone inhibition of testosterone secretion by an ovarian Sertoli–Leydig cell tumor. Brumsted JR, et al. **J Clin Endocrinol Metab** 1987 Jul;65(1):194–7

Feminizing Leydig cell tumor: endocrine and incubation studies. Valensi P, et al. **J Endocrinol Invest** 1987 Apr; 10(2):187–93

PATHOLOGY

Fine needle aspiration of interstitial-cell tumor of the testis [letter] Crucioli V, et al. **Acta Cytol (Baltimore)** 1987 Mar–Apr;31(2):199

Leydig cell hyperplasia. Söderström KO. **Arch Androl** 1986; 17(1):57–65

Metastatic Leydig cell tumor of the testis. Report of three cases and review of the literature. Grem JL, et al. **Cancer** 1986 Nov 1;58(9):2116–9

Effects of estrogen and vanadate on the proliferation of newly established transformed mouse Leydig cell line in vitro. Sato B, et al. **Endocrinology** 1987 Mar;120(3):1112–20

Leydig cell tumor and metachronous Leydig cell hyperplasia: a case associated with gynecomastia and elevated urinary estrogens. Castle WN, et al. **J Urol** 1986 Dec;136(6):1307–8

Ovarian Sertoli–Leydig cell tumour with raised serum alpha fetoprotein. A case report. Tiltman A, et al. **Virchows Arch [A]** 1986;410(2):107–12

PHYSIOPATHOLOGY

Tumor growth in rats: conditioned suppression of food intake and preference. Bernstein IL, et al. **Behav Neurosci** 1985 Oct;99(5):818–30

Decreased vascular reactivity to norepinephrine in Fischer rats with neoplasia-induced hypercalcemia. Nyby MD, et al. **Life Sci** 1987 Apr 6;40(14):1397–404

SECRETION

Short term administration of gonadotropin-releasing hormone analog to a patient with a testosterone-secreting ovarian tumor. Kennedy L, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1320–2

[Endocrinological study of Sertoli–Leydig cell tumor] Haruyama Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 May; 39(5):765–70 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

[Leydig cell tumor of the testis: histological, immunochemical and ultrastructural study of 2 cases] Navarro Fos S, et al. **Arch Esp Urol** 1986 Jul–Aug; 39(6):403–9 (Eng. Abstr.) **(Spa)**

VETERINARY

Equine testicular interstitial cell tumors. Gelberg HB, et al. **Vet Pathol** 1987 May;24(3):231–4

[The pathology of testicular tumors in dogs. 2. Morphology and comparative morphologic aspects] Prange H, et al. **Arch Exp Veterinarmed** 1987 May;41(3):366–88 (Eng. Abstr.) **(Ger)**

LEYDIG CELLS

ANALYSIS

Quantitative analysis of germ cells and Leydig cells in rat made infertile with gossypol. Sinha Hikim AP, et al. **Contraception** 1987 Apr;35(4):395–408

CYTOLOGY

Stereological study of Leydig cell density in the guinea pig testis. Hafez MM, et al. **Arch Androl** 1986;17(1):1–7

Testicular Leydig cells: differentiated cells responding to multiple hormonal control and producing varied products. Meiner MH. **Bioessays** 1986 Nov;5(5):228–31

Monoclonal antibodies against rat Leydig cell surface antigens. Hedger MP, et al. **Biol Reprod** 1986 Dec; 35(5):1309–19

Seasonal variation in the total volume of Leydig cells in stallions is explained by variation in cell number rather than cell size. Johnson L, et al. **Biol Reprod** 1986 Nov; 35(4):971–9

Seminiferous tubules and daily sperm production in older adult men with varied numbers of Leydig cells. Neaves WB, et al. **Biol Reprod** 1987 Mar;36(2):301–8

Cellular distribution of a protein related to neuronal microtubule-associated protein MAP-2 in Leydig cells. Dráberová E, et al. **Cell Biol Int Rep** 1986 Nov; 10(11):881–90

Regeneration of Leydig cells in unilaterally cryptorchid rats: evidence for stimulation by local testicular factors. Kerr JB, et al. **Cell Tissue Res** 1986;245(3):649–55

A quantitative morphological study of human Leydig cells from birth to adulthood. Nistal M, et al. **Cell Tissue Res** 1986;246(2):229–36

Morphometric analysis of the components of the neonatal and the adult rat testis interstitium. Mendis-Handagama SM, et al. **Int J Androl** 1987 Jun;10(3):525–34

Interstitial cell heterogeneity in rat testes. I. Purification of collagenase-dispersed Leydig cells by unit gravity sedimentation and demonstration of binding sites for gonadotropin in light cells versus enhanced steroidogenesis in heavier cells. Bhalla VK, et al. **J Biol Chem** 1987 Apr 15;262(11):5313–21

Interstitial cell heterogeneity in rat testes. II. Purification of cells by Percoll and metrizamide gradient centrifugation with preferential localization of gonadotropin binding sites in light cell fraction and hormone-induced steroidogenesis in heavier cell fraction. Bhalla VK, et al. **J Biol Chem** 1987 Apr 15;262(11):5322–32

Construction of a Leydig cell line synthesizing testosterone under gonadotropin stimulation: a complex endocrine function immortalized by cell hybridization. Finaz C, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5750–3

DRUG EFFECTS

Transforming growth factor beta inhibits Leydig cell functions. Avallet O, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):575–81

Evidence for a Sertoli cell, FSH-suppressible inhibiting factor(s) of testicular steroidogenic activity. Benahmed M, et al. **Biochem Biophys Res Commun** 1986 Aug 29; 139(1):169–78

Transforming growth factor-beta inhibits Leydig cell steroidogenesis in primary culture. Lin T, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):387–94

The dynamics of the testosterone response of perifused mouse Leydig cells to hCG and arginine vasopressin. Tahri-Joutei A, et al. **Biochem Biophys Res Commun** 1987 Jul 15; 146(1):216–23

The effects of ethylene dimethane sulphonate (EDS) on rat Leydig cells: evidence to support a connective tissue origin of Leydig cells. Jackson AE, et al. **Biol Reprod** 1986 Sep; 35(2):425–37

Comparison of sensitivities of rat spermatozoa, Sertoli and Leydig cells to gossypol acetic acid in vitro by the LD50. Zhuang LZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Nov; 7(6):563–7

Acute cAMP stimulation in Leydig cells: rapid accumulation of a protein similar to that detected in adrenal cortex and corpus luteum. Pon LA, et al. **Endocr Res** 1986; 12(4):429–46

Stimulatory and inhibitory effects of protein kinase C activation and calcium ionophore on cultured pig Leydig cells. Bernier M, et al. **Eur J Biochem** 1987 Feb 16; 163(1):181–8

Arginine-vasopressin stimulates the formation of phosphatidic acid in rat Leydig cells. Nielsen JR, et al. **FEBS Lett** 1987 Jun 22;218(1):93–6

Leydig cell hypertrophy and hyperplasia in adult rats treated with an excess of human chorionic gonadotrophin (hCG). Lamano-Carvalho TL, et al. **Gegenbaurs Morphol Jahrb** 1987;133(2):297–309

Stimulatory effects of methyltestosterone on pituitary gonadotropic cells and testes leydig cells of the three-spined stickleback, Gasterosteus aculeatus L., in winter. Borg B, et al. **Gen Comp Endocrinol** 1986 Apr; 62(1):54–61

Variation in the effect of a nongonadotropic Leydig cell stimulating factor in testicular interstitial fluid after exposure of the testis to a single episode of heat treatment. Ishida H, et al. **J Androl** 1987 Jul–Aug;8(4):247–52

Regulation of gonadotropin receptors, gonadotropin responsiveness, and cell multiplication by somatomedin-C and insulin in cultured pig Leydig cells. Bernier M, et al. **J Cell Physiol** 1986 Nov;129(2):257–63

Isolation of human Leydig cells which are highly responsive to human chorionic gonadotropin. Simpson BJ, et al. **J Clin Endocrinol Metab** 1987 Sep;65(3):415–22

Biopotency and site of action of drugs affecting testicular steroidogenesis. Lambert A, et al. **J Endocrinol** 1987 Jun; 113(3):457–61

Specificity and partial purification of a factor in spent media from Sertoli cell-enriched cultures that stimulates steroidogenesis in Leydig cells. Verhoeven G, et al. **J Steroid Biochem** 1986 Sep;25(3):393–402

Inhibition of testosterone biosynthesis by ethanol: multiple sites and mechanisms in dispersed Leydig cells. Widenius TV, et al. **J Steroid Biochem** 1987 Aug;28(2):185–8

Heterodimers and homodimers of inhibin subunits have different paracrine action in the modulation of luteinizing hormone-stimulated androgen biosynthesis. Hsueh AJ, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5082–6

[Effects of insulin and somatomedin C on the function of cultured Leydig cells] Bernier M, et al. **C R Acad Sci [III]** 1986;303(4):119–22 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Partial characterization of alcohol dehydrogenase activity in purified rat Leydig cells. Murono EP, et al. **Arch Androl** 1986;17(1):39–47

Differential effect of cadmium on GSH-peroxidase activity in the Leydig and the Sertoli cells of rat testis. Suppression by selenium and the possible relationship to heme concentration. Chung AS, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1367–72

Cytochemical localization of nicotinamide adenine dinucleotide phosphatase (NADPase) in bovine Leydig cells. Sinowatz F, et al. **Histochemistry** 1986;86(2):169–73

Spent media from immature seminiferous tubules and Sertoli cells inhibit adult rat Leydig cell aromatase activity. Papadopoulos V, et al. **Horm Metab Res** 1987 Feb; 19(2):62–4

Testosterone inhibits cAMP-induced de Novo synthesis of Leydig cell cytochrome P-450(17 alpha) by an androgen receptor-mediated mechanism. Hales DB, et al. **J Biol Chem** 1987 Aug 15;262(23):11200–6

METABOLISM

Evidence for an androgen receptor in porcine Leydig cells. Isomaa V, et al. **Acta Endocrinol (Copenh)** 1987 May; 115(1):119–24

Age-dependence of the rat Leydig cell and Sertoli cell function. Development of the peripheral testosterone level and its relation to mitochondrial and microsomal cytochromes P-450 and to androgen-binding protein. Kühn-Velten N, et al. **Acta Endocrinol (Copenh)** 1987 Jun; 115(2):275–81

Are Leydig cells of neural origin? Substance P-like immunoreactivity in human testicular tissue. Schulze W, et al. **Acta Endocrinol (Copenh)** 1987 Jul;115(3):373–7

[14C]-2-deoxyglucose uptake studies in Leydig cells. Murono EP, et al. **Andrologia** 1986 Nov–Dec;18(6):587–94

Temporal effects of diethylstilbestrol administration in vivo on testosterone production in Leydig cells. Abney TO, et al. **Arch Androl** 1986;17(1):79–86

Steroidogenic effect of atrial natriuretic factor in isolated mouse Leydig cells is mediated by cyclic GMP. Mukhopadhyay AK, et al. **Biochem J** 1986 Oct 15; 239(2):463–7

The role of Ca2+ in steroidogenesis in Leydig cells. Stimulation of intracellular free Ca2+ by lutropin (LH), luliberin (LHRH) agonist and cyclic AMP. Sullivan MH, et al. **Biochem J** 1986 May 15;236(1):45–51

The dual regulation of cyclic AMP and calcium by luteinizing hormone and the mechanisms of desensitization and recycling of the luteinizing hormone receptor. Cooke BA, et al. **Biochem Soc Trans** 1987 Feb;15(1):26–8

Microsomal ethanol-oxidizing system in purified rat Leydig cells. Murono EP, et al. **Biochim Biophys Acta** 1987 Apr 3;918(2):136–40

Internalization and recycling of lutropin receptors upon stimulation by porcine lutropin and human choriogonadotropin in porcine Leydig cells. Genty N, et al. **Biol Cell** 1987;59(2):129–35

Catecholamine stimulation of androgen production by rat Leydig cells. Interactions with luteinizing hormone and luteinizing hormone-releasing hormone. Anakwe OO, et al. **Biol Reprod** 1986 Nov;35(4):806–14

The effect of spermatogenic disruption on the ability of testicular fluid to stimulate androgen production by normal Leydig cells. Jansz GF, et al. **Biol Reprod** 1987 May; 36(4):807–15

Effect of luteinizing hormone deprivation in situ on steroidogenesis of rat Leydig cells purified by a multistep procedure. Klinefelter GR, et al. **Biol Reprod** 1987 Apr; 36(3):769–83

Carp maturational-ovulatory gonadotropin but not carp vitellogenic gonadotropin or salmon maturational-ovulatory gonadotropin stimulates testosterone production by rat Leydig cells in vitro. Ng TB, et al. **Comp Biochem Physiol [A]** 1987;86(1):35–8

Inhibition by gossypol of cyclic AMP production in mouse Leydig cells. Pearce S, et al. **Contraception** 1986 Dec; 34(6):639–46

Constitutive steroidogenesis in the R2C Leydig tumor cell line is maintained by the adenosine 3',5'-cyclic monophosphate-independent production of a cycloheximide-sensitive factor that enhances mitochondrial pregnenolone biosynthesis. Freeman DA. **Endocrinology** 1987 Jan;120(1):124–32

Characterization of insulin and insulin-like growth factor I receptors of purified Leydig cells and their role in steroidogenesis in primary culture: a comparative study. Lin T, et al. **Endocrinology** 1986 Oct;119(4):1641–7

The dynamics of steroid and adenosine 3',5'-cyclic monophosphate output in perifused interstitial cell aggregates derived from prepubertal rat testes. Verhoeven G, et al. **Endocrinology** 1986 Oct;119(4):1476–88

Characterization and regulation of somatomedin-C/insulin-like growth factor I (Sm-C/IGF-I) receptors on cultured pig Leydig cells. Effects of Sm-C/IGF-I on luteotropin receptors and steroidogenesis. Perrard-Sapori MH, et al. **Eur J Biochem** 1987 May 15;165(1):209–14

Testosterone secretion by Mongolian gerbil interstitial cells during short-term incubation depends on androgen precursors and serum proteins but not on gonadotrophins. Fenske M. **Experientia** 1987 Aug 15;43(8):898–900

Ca-dependent-chloride and potassium currents in rat Leydig cells. Duchatelle P, et al. **FEBS Lett** 1987 Jun 8;217(1):11–5

Regulation of interstitial cell function by seminiferous tubules in intact and cryptorchid rats. Syed V, et al. **Int J Androl** 1986 Aug;9(4):271–84

Ethan-1,2-dimethanesulphonate reduces testicular oxytocin content and seminiferous tubule movements in the rat.

Nicholson HD, et al. **J Endocrinol** 1987 Feb;112(2):311–6

Comparison of the cellular composition and steroidogenic properties of preparations of interstitial cells isolated from immature and mature rat testis. Themmen AP, et al. **J Endocrinol** 1987 Mar;112(3):361–6

RNA synthesis in Leydig cells during sexual maturation in the rat: effect of LH. Valladares LE, et al. **J Endocrinol** 1986 Sep;110(3):551–6

Kinetic and autoradiographic studies on binding of hCG to the testicular LH receptors of neonatal rats. Huhtaniemi IT, et al. **J Reprod Fertil** 1986 Sep;78(1):73–82

Catecholamine-induced stimulation of testosterone production by Leydig cells from fetal mouse testis. Pointis G, et al. **J Reprod Fertil** 1987 May;80(1):321–6

Site of gossypol inhibition of steroidogenesis in purified mouse Leydig cells. Pearce S, et al. **J Steroid Biochem** 1986 Nov;25(5A):683–7

Arachidonic acid is involved in the regulation of hCG induced steroidogenesis in rat Leydig cells. Didolkar AK, et al. **Life Sci** 1987 Jul 27;41(4):471–7

Prolactin and antiprolactin receptor antibody inhibit steroidogenesis by purified rat Leydig cells in culture. Barkey RJ, et al. **Mol Cell Endocrinol** 1987 Jul; 52(1–2):71–80

Somatomedin C/insulin-like growth factor 1 as a possible intratesticular regulator of Leydig cell activity. Benahmed M, et al. **Mol Cell Endocrinol** 1987 Mar;50(1–2):69–77

Effects of lutropin (LH) receptor internalization and recycling on the apparent numbers of LH receptors in rat testis Leydig cells at different temperatures. Habberfield AD, et al. **Mol Cell Endocrinol** 1987 May;51(1–2):153–61

Modulation of Leydig cell functions by culture with Sertoli cells or with Sertoli cell–conditioned medium: effect of insulin, somatomedin-C and FSH. Perrard-Sapori MH, et al. **Mol Cell Endocrinol** 1987 Apr;50(3):193–201

[Effect of tyrosine on testosterone and cAMP production by Leydig cells in vitro] Wang L, et al. **Sheng Li Hsueh Pao** 1986 Aug;38(4):409–14 (Eng. Abstr.) **(Chi)**

MICROBIOLOGY

Development-dependent replication of minute virus of mice in differentiated mouse testicular cell lines. Guetta E, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2549–54

PATHOLOGY

A clinico–genetic investigation of Leydig cell hypoplasia. Saldanha PH, et al. **Am J Med Genet** 1987 Feb;26(2):337–44

Leydig cell hyperplasia. Söderström KO. **Arch Androl** 1986; 17(1):57–65

Familial Leydig cell hypoplasia as a cause of male pseudohermaphroditism. el-Awady MK, et al. **Hum Hered** 1987;37(1):36–40

Leydig cell tumor and metachronous Leydig cell hyperplasia: a case associated with gynecomastia and elevated urinary estrogens. Castle WN, et al. **J Urol** 1986 Dec;136(6):1307–8

Unilateral torsion of spermatic cord in men: effect on Leydig cell. Hikim AP, et al. **Urology** 1987 Jan;29(1):40–4

PHYSIOLOGY

Changes in Leydig cell activity during the annual testicular cycle of the bat Myotis lucifugus lucifugus: histology and lipid histochemistry. Gustafson AW. **Am J Anat** 1987 Apr; 178(4):312–25

Origin of regenerating Leydig cells in the testis of the adult rat. An ultrastructural, morphometric and hormonal assay study. Kerr JB, et al. **Cell Tissue Res** 1987 Aug; 249(2):367–77

Influence of temperature on the function of Sertoli and Leydig cells of human testes. Namiki M, et al. **Fertil Steril** 1987 Mar;47(3):475–80

Biochemical and histochemical studies on the pituitary–testicular axis in obese (C57Bl/6J–ob/ob) mice. Kühn–Velten N, et al. **Int J Androl** 1986 Apr;9(2):123–31

Intratesticular factors and testosterone secretion: the effect of treatment with ethane dimethanesulphonate (EDS) and the induction of seminiferous tubule damage. Sharpe RM, et al. **Int J Androl** 1986 Aug;9(4):285–98

Follicle stimulating hormone, luteinizing hormone and testicular Leydig cell responses to estradiol immunization in Ile-de-France rams. Schanbacher BD, et al. **J Androl** 1987 Mar–Apr;8(2):97–102

Evidence for Leydig cell dysfunction in infertile men with a selective increase in plasma follicle-stimulating hormone. Booth JD, et al. **J Clin Endocrinol Metab** 1987 Jun; 64(6):1194–8

Comparison of the effects on purified Leydig cells of four hormones (oxytocin, vasopressin, opiates and LHRH) with suggested paracrine roles in the testis. Sharpe RM, et al. **J Endocrinol** 1987 Apr;113(1):89–96

Current aspects of Leydig cell function and its regulation. Tähkä KM. **J Reprod Fertil** 1986 Nov;78(2):367–80 (51 ref.)

Effects of the transmethylation inhibitor S-adenosyl-homocysteine and of the methyl donor S-adenosyl-methionine on rat Leydig cell function in vitro. Papadopoulos V, et al. **J Steroid Biochem** 1987 Jan; 26(1):93–8

Blockade of rat testicular gonadotropin releasing hormone (GnRH) receptors by infusion of a GnRH antagonist has no major effects of Leydig cell function in vivo. Huhtaniemi IT, et al. **Mol Cell Endocrinol** 1987 Feb; 49(2–3):89–97

Relationship between the exposure of Leydig cells to factor(s) present in testicular interstitial fluid and changes in their capacity to secrete testosterone during culture or after hCG-induced desensitization. Sharpe RM, et al. **Mol Cell Endocrinol** 1987 May;51(1–2):105–14

A Leydig cell stimulatory factor produced by human testicular tubules. Verhoeven G, et al. **Mol Cell Endocrinol** 1987 Feb;49(2–3):137–47

[Use of luminescence microspectral analysis for evaluating the synthetic activity of testicular incretory cells] Karnaukhova NA, et al. **Probl Endokrinol (Mosk)** 1986 Sep–Oct;32(5):76–8 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Changes in mouse Leydig cell steroidogenesis following infrared and helium-neon laser irradiation. Celani MF, et al. **Exp Clin Endocrinol** 1987 Mar;89(1):16–22

SECRETION

[Inhibitory effect of corticoliberin (CRF) on the reproductive system of male rats] Miśkowiak B, et al. **Endokrynol Pol** 1986;37(6):255–61 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

Characterization of filaments within Leydig cells of the rat testis. Russell LD, et al. **Am J Anat** 1987 Mar;178(3):231–40

Optical diffractometry of the developing or disaggregating Reinke crystals in the Leydig cells of the human testis. Tedde G, et al. **Arch Ital Anat Embriol** 1986 Jul–Sep; 91(3):231–52

Ultrastructural and immunohistochemical studies on steroid-secreting cells of testis and ovary of normal and 3-methylcholanthrene-treated mice. Ishimura K, et al. **Cell Tissue Res** 1986;245(3):681–3

Characterization of beta-adrenergic receptors in dispersed rat testicular interstitial cells. Poyet P, et al. **J Androl** 1987 Jan–Feb;8(1):7–13

Mouse Leydig cells processed by freeze-substitution, with particular reference to the lamellar arrangement of the smooth endoplasmic reticulum. Nagano T, et al. **J Electron Microsc (Tokyo)** 1987;36(3):128–32

Ultrastructural analysis of a local regulation of Leydig cells in the adult monkey (Macaca fascicularis) and rat. Fouquet JP. **J Reprod Fertil** 1987 Jan;79(1):49–56

Effects of experimental torsion of the spermatic cord on Leydig cell function in the guinea pig testis: an ultrastructural stereological analysis. Sinha Hikim AP, et al. **Urol Res** 1986;14(5):253–6

Scanning electron microscopic studies of the seminiferous tubules, Leydig cells and Sertoli cells in soft-shelled turtles. De TK, et al. **Z Mikrosk Anat Forsch** 1987;101(1):18–22

LH

Tryptophan fluorescence studies of subunit interaction and rotational dynamics of human luteinizing hormone. Sanyal G, et al. **Biochemistry** 1987 Apr 7;26(7):1860–6

Molecular composition of luteinizing hormone and follicle-stimulating hormone in commercial gonadotropin preparations. Harlin J, et al. **Fertil Steril** 1986 Dec; 46(6):1055–61

Structural studies on equine glycoprotein hormones. Amino acid sequence of equine lutropin beta-subunit. Bousfield GR, et al. **J Biol Chem** 1987 Jun 25;262(18):8610–20

ADMINISTRATION & DOSAGE

Influence of oxygen tension and substrates on basal and luteinizing hormone stimulated progesterone production and energy metabolism by isolated corpora lutea of adult pseudopregnant rats. Gåfvels M, et al. **Acta Physiol Scand** 1987 Jul;130(3):475–82

Induction of ovulation during anoestrus in two breeds of sheep with multiple injections of LH alone or in combination with FSH. Wallace JM, et al. **J Endocrinol** 1986 Oct;111(1):181–90

ANALYSIS

Heterogeneity of human luteinizing hormone. Detection and identification of alpha- and beta-subunits in international reference preparations. van Ginkel LA, et al. **Acta Endocrinol (Copenh)** 1987 Apr;114(4):572–6

Heterogeneity of human luteinizing hormone. Effect of neuraminidase treatment on biologically active hormone and alpha- and beta-subunits. van Ginkel LA, et al. **Acta Endocrinol (Copenh)** 1987 Apr;114(4):577–83

Assays for follicle stimulating hormone and luteinising hormone: guidelines for the provision of a clinical biochemistry service. Beastall GH, et al. **Ann Clin Biochem** 1987 May;24 (Pt 3):246–62 (51 ref.)

Seminal plasma levels of luteinizing hormone, prolactin and testosterone in the evaluation of male infertility. Tang LC, et al. **Asia Oceania J Obstet Gynaecol** 1986 Jun;12(2):275–83

Two-monoclonal-antibody "sandwich"-type assay of human lutropin, with no cross reaction with choriogonadotropin. Odell WD, et al. **Clin Chem** 1987 Sep;33(9):1603–7

Characterization of a thermostable LH-immunoreactive material from bovine pituitary gland. Hallin P, et al. **Comp Biochem Physiol [B]** 1987;86(2):327–32

Immunoreactive luteinizing hormone-containing neurons in the brain of the white-footed mouse, Peromyscus leucopus. Glass JD, et al. **Experientia** 1987 Feb 15;43(2):188–90

Subcellular localization of gonadotrophic hormones LH and FSH in frog adenohypophysis using double-staining immunocytochemistry. Gracia-Navarro F, et al. **J Histochem Cytochem** 1987 Jul;35(7):763–9

Characteristics of radioimmunoassays for the alpha- and beta-subunits of human luteinizing hormone. St-Arnaud R, et al. **J Immunoassay** 1987;8(1):97–114

Comparison of testosterone and LH values in subcapsular vs total orchiectomy patients. Chapman JP. **Urology** 1987 Jul;30(1):27–8

ANTAGONISTS & INHIBITORS

The mechanisms by which phorbol ester inhibits LH stimulation of progesterone production in rat granulosa cells. Kawai Y, et al. **Endocr Res** 1986;12(3):211–28

Naloxone-reversible inhibition of luteinizing hormone in postpartum ewes: effects of suckling and season. Malven PV, et al. **J Anim Sci** 1987 Jul;65(1):196–202

Long-term suppression of luteinizing hormone, follicle-stimulating hormone and testosterone by daily administration of leuprolide. Glode LM, et al. **J Urol** 1987 Jan;137(1):57–60

A novel redox system for CNS-directed delivery of estradiol causes sustained LH suppression in castrate rats. Estes KS, et al. **Life Sci** 1987 Mar 30;40(13):1327–34

BIOSYNTHESIS

Granulosa cells in culture are able to produce luteinization stimulatory factor. Seböková E, et al. **Endocrinol Exp (Bratisl)** 1987 Mar;21(1):3–12

Effects of a low calcium environment on luteinizing hormone biosynthesis in cultured rat anterior pituitary cells. Ramey JW, et al. **Endocrinology** 1987 Apr;120(4):1514–20

The effects of gonadotropin-releasing hormone and estradiol on luteinizing hormone biosynthesis in cultured rat anterior pituitary cells. Ramey JW, et al. **Endocrinology** 1987 Apr; 120(4):1503–13

Biosynthesis of sulfated asparagine-linked oligosaccharides on bovine lutropin. Green ED, et al. **J Biol Chem** 1986 Dec 15;261(35):16309–16

Biosynthesis of immunoreactive luteinizing hormone in the rat central nervous system. Nabatchikova NA, et al. **Neurosci Behav Physiol** 1986 Jul–Aug;16(4):298–301

BLOOD

Changes in catecholamine contents in ovarian follicular theca, progesterone contents in granulosa, and LH concentrations in peripheral plasma during the ovulatory cycle in the hen. Chotesangasa R, et al. **Acta Endocrinol (Copenh)** 1987 Jun;115(2):229–34

Hormonal profile in pubertal females with chronic renal failure: before and under haemodialysis and after renal transplantation. Ferraris JR, et al. **Acta Endocrinol (Copenh)** 1987 Jul;115(3):289–96

Testicular growth and hormonal parameters in the male Snell dwarf mouse. Hochereau-de Reviers MT, et al. **Acta Endocrinol (Copenh)** 1987 Jul;115(3):399–405

Increased luteinizing hormone sensitivity to dopaminergic inhibition in Graves' disease. Tourniaire J, et al. **Acta Endocrinol (Copenh)** 1987 May;115(1):91–5

Laparoscopic ovarian biopsy in hypergonadotropic amenorrhea. Zara C, et al. **Acta Eur Fertil** 1987 Jan–Feb; 18(1):49–53

Bacterial contamination of QC specimens as a cause of artefactually poor performance in the UK EQAS. Kemp LR, et al. **Ann Clin Biochem** 1987 Mar;24 (Pt 2):182–4

Presence of several molecular forms of gonadotropins in pituitary adenomas. Fonseca ME, et al. **Arch Invest Med (Mex)** 1986 Apr–Jun;17(2):127–34 **(Eng, Spa)**

Serum gonadotropins and 17-beta-estradiol concentrations in girls from the newborn period up to puberty. Mendoza-Morfín F, et al. **Arch Invest Med (Mex)** 1986 Apr–Jun;17(2):167–76 **(Eng, Spa)**

The acute effects of antidepressants, maprotiline and amoxapine on serum prolactin and gonadotropin levels in normal women. Koizumi K, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec;12(4):517–21

Effects of tioconazole on parturition and serum levels of 17 beta-oestradiol, progesterone, LH and PRL in the rat. Latrille F, et al. **Biochem Pharmacol** 1987 Apr 1; 36(7):1119–24

Reproductive effects of olfactory bulbectomy in the Syrian hamster. Clancy AN, et al. **Biol Reprod** 1986 Dec; 35(5):1202–9

Daily rhythms of serum luteinizing hormone in the immature hamster are estradiol-dependent. Donham RS, et al. **Biol Reprod** 1987 May;36(4):864–70

Influence of dietary-induced weight changes on serum luteinizing hormone, estrogen and progesterone in the bovine female. Imakawa K, et al. **Biol Reprod** 1986 Sep; 35(2):377–84

Pulsatile administration of gonadotropin-releasing hormone advances ovulation in cycling mares. Johnson AL. **Biol Reprod** 1986 Dec;35(5):1123–30

Effects of a potent antagonist to gonadotropin-releasing hormone on male rats: luteinizing hormone is suppressed more than follicle-stimulating hormone. Kartun K, et al. **Biol Reprod** 1987 Feb;36(1):103–8

Estrogen modifies the circadian timing and amplitude of the luteinizing hormone surge in female hamsters exposed to short photoperiods. Moline ML, et al. **Biol Reprod** 1986 Oct;35(3):516–23

Effects of ovariectomy or force feeding on the plasma concentrations of prolactin and luteinizing hormone in incubating turkey hens. Zadworny D, et al. **Biol Reprod** 1987 Feb;36(1):81–8

Testosterone and gonadotrophin profiles in patients on daily or monthly LHRH analogue ICI 118630 (Zoladex) compared with orchiectomy. Grant JB, et al. **Br J Urol** 1986 Oct;58(5):539–44

Endocrine effects of goserelin, a new depot luteinising hormone releasing hormone agonist. Thomas EJ, et al. **Br Med J [Clin Res]** 1986 Nov 29;293(6559):1407–8

Comparisons of time intervals and plasma LH concentrations during the ovulatory cycle of broiler breeder hens maintained under either a 24 h light:dark cycle or continuous light. Gow CB, et al. **Br Poult Sci** 1987 Mar; 28(1):129–37

Secretion of luteinizing hormone and oestradiol–17 beta in post partum milked and suckled cows. Fisher MW, et al. **Br Vet J** 1986 Nov–Dec;142(6):569–77

Steroid–independent endogenous opioid peptide suppression of pulsatile luteinizing hormone release between estrus and diestrus in the rat estrous cycle. Babu GN, et al. **Brain Res** 1987 Jul 28;416(2):235–42

Acute lithium treatment suppresses the proestrous LH surge in mice: chronic lithium leads to constant diestrus. Banerji TK, et al. **Brain Res** 1986 Aug 13;380(1):176–80

Effects of p–chlorophenylalanine on hypothalamic indoleamine levels and the associated changes which occur in catecholamine dynamics and LH surges in estrogen–treated ovariectomized rats. Burri R, et al. **Brain Res** 1987 Jul 28;416(2):267–76

Origin of regenerating Leydig cells in the testis of the adult rat. An ultrastructural, morphometric and hormonal assay study. Kerr JB, et al. **Cell Tissue Res** 1987 Aug; 249(2):367–77

Effect of injection site on the pharmacokinetics and pharmacodynamics of subcutaneously administered luteinizing hormone releasing hormone. Blunt SM, et al. **Clin Endocrinol (Oxf)** 1986 Nov;25(5):589–96

Influence of ethanol treatment on the plasma concentrations of prolactin and luteinizing hormone in turkeys (Meleagris gallopavo). Ali BH, et al. **Clin Exp Pharmacol Physiol** 1986 Nov–Dec;13(11–12):823–5

Cyclical gonadotrophin and progesterone secretion in women with minimal endometriosis. Williams CA, et al. **Clin Reprod Fertil** 1986 Aug;4(4):259–68

Pituitary response to LHRH in long–term users of injectable contraceptives. Ismail AA, et al. **Contraception** 1987 May; 35(5):487–95

Purine phosphoribosyltransferase (EC 2.4.2.7 and 2.4.2.8) and purine de novo synthesis activity in rat testicular tissue at different stages of development, and their correlation with the circulating levels of gonadotrophins and testosterone, and with structural changes. Allsop J, et al. **Differentiation** 1986;32(2):144–7

Inhibitory effect of progesterone in the postcastration gonadotrophin rise in women. Minakami H, et al. **Endocrinol Jpn** 1987 Feb;34(1):21–8

The relationship between declining plasma progesterone levels and increasing luteinizing hormone pulse frequency in late gestation in the rat. Devorshak–Harvey E, et al. **Endocrinology** 1987 Apr;120(4):1597–601

Effects of different gonadotropin pulse frequencies on corpus luteum function during the menstrual cycle of rhesus monkeys. Hutchison JS, et al. **Endocrinology** 1986 Nov; 119(5):1964–71

Opioids act centrally to modulate stress–induced decrease in luteinizing hormone in the rat. Petraglia F, et al. **Endocrinology** 1986 Dec;119(6):2445–50

Comparison between bioactive and immunoactive luteinizing hormone (LH) in ovariectomized streptozotocin–induced diabetic rats: response to LH–releasing hormone. Tesone M, et al. **Endocrinology** 1986 Dec;119(6):2412–6

The gonadotropin–resistant ovary syndrome in association with secondary amenorrhea. Dalemans P, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Oct;9(5):327–34

LRH–stimulated release of bioactive and immunoreactive LH in a patient with the XX male syndrome. Grandi M, et al. **Exp Clin Endocrinol** 1987 Apr;89(2):229–32

Lighting conditions affect the levels of plasma gonadotropins differently in old and young castrated male rats. Laakso ML, et al. **Exp Gerontol** 1987;22(1):37–46 (37 ref.)

Luteinizing hormone bioactivity in human menopausal gonadotropin/human chorionic gonadotropin–induced cycles. Abuzeid MI, et al. **Fertil Steril** 1987 Feb; 47(2):238–43

Follicular growth in relation to serum hormonal patterns in adolescent compared with adult menstrual cycles. Apter D, et al. **Fertil Steril** 1987 Jan;47(1):82–8

The effect of the day of initiation of ovarian stimulation in the day of luteinizing hormone surge and outcome of in vitro fertilization. Mahadevan MM, et al. **Fertil Steril** 1987 Jun;47(6):976–9

Testicular involution in elderly men: comparison of histologic quantitative studies with hormone patterns. Paniagua R, et al. **Fertil Steril** 1987 Apr;47(4):671–9

The effects of inducing a follicular phase gonadotropin secretory pattern in normal women during the luteal phase. Soules MR, et al. **Fertil Steril** 1987 Jan;47(1):45–53

Characteristics of ovarian follicles in spontaneous and stimulated cycles in which there was an endogenous luteinizing hormone surge. Templeton A, et al. **Fertil Steril** 1986 Dec;46(6):1113–7

The endocrine control of reproduction and molt in male and female emperor (Aptenodytes forsteri) and adelie (Pygoscelis adeliae) penguins. I. Annual changes in plasma levels of gonadal steroids and LH. Groscolas R, et al. **Gen Comp Endocrinol** 1986 Apr;62(1):43–53

Seasonal changes in prolactin and luteinizing hormone in the polyandrous spotted sandpiper, Actitis macularia. Oring LW, et al. **Gen Comp Endocrinol** 1986 Jun;62(3):394–403

Effect of serotonin and beta–endorphin on the release of luteinizing hormone in the hen (Gallus domesticus). Sakurai H, et al. **Gen Comp Endocrinol** 1986 Jul;63(1):24–30

Plasma prolactin and luteinizing hormone levels of pinealectomized and enucleated turkey hens. Siopes TD, et al. **Gen Comp Endocrinol** 1986 Apr;62(1):36–42

Pulsatile luteinizing hormone secretion and clomiphene and bromocriptine response in amenorrheic women with normoprolactinemia and gestagen withdrawal bleeding. Morishita H, et al. **Gynecol Obstet Invest** 1987;23(4):247–56

Behavioral and endocrine correlates of multiple brooding in the semicolonial house sparrow Passer domesticus. I. Males. Hegner RE, et al. **Horm Behav** 1986 Sep;20(3):294–312

Behavioral and endocrine correlates of multiple brooding in the semicolonial house sparrow Passer domesticus. II. Females. Hegner RE, et al. **Horm Behav** 1986 Sep; 20(3):313–26

Hormonal responses to female conspecifics in hyperprolactinemic male rats and mice. Sellers KJ, et al. **Horm Behav** 1987 Mar;21(1):83–92

Changes in LH and FSH serum pattern following L–T4 withdrawal in L–T4 substituted hypothyroids. De Luca F, et al. **Horm Metab Res** 1987 May;19(5):230

Effects of dopaminergic agonists on plasma luteinizing hormone–releasing hormone (LRH) and gonadotropins in man. Matsubara M, et al. **Horm Metab Res** 1987 Jan; 19(1):31–4

An inexpensive method for assessing pituitary response to luteinizing hormone releasing hormones: analysis of serum gonadotropins in pooled samples. Tiwary CM. **Horm Metab Res** 1986 Sep;18(9):616–20

Effects of continuous LHRH infusion on plasma levels of LH and FSH in males, before and after oestrogen or anti–oestrogen treatment. van Bergeijk L, et al. **Horm Metab Res** 1986 Aug;18(8):558–64

Effects of naloxone infusion on plasma levels of LH, FSH, and in addition TSH and prolactin in males, before and after oestrogen or anti–oestrogen treatment. van Bergeijk L, et al. **Horm Metab Res** 1986 Sep;18(9):611–5

Progesterone and LH variations after LH–RH administration in the luteal phase of the menstrual cycle. Caruso A, et al. **Horm Res** 1986;24(1):18–25

Muscarinic cholinergic and histaminergic H1 and H2 receptors are not involved in the LH response to naloxone in man. Chiodera P, et al. **Horm Res** 1987;25(2):120–4

Plasma reproductive hormones in normal and vasectomized Chinese males. Peng XS, et al. **Int J Androl** 1987 Apr; 10(2):471–9

Hormone study in a case of Klinefelter syndrome with an isochromosome Xq. Bleau G, et al. **Int J Fertil** 1987 Jan–Feb;32(1):50–5

Different testosterone and LH relationships in infertile men. Morrow AF, et al. **J Androl** 1986 Sep–Oct;7(5):310–5

Altered testosterone feedback in pubertal male rats raised on reduced caloric intake. Piacsek BE, et al. **J Androl** 1986 Sep–Oct;7(5):292–7

Follicle stimulating hormone, luteinizing hormone and testicular Leydig cell responses to estradiol immunization in Ile–de–France rams. Schanbacher BD, et al. **J Androl** 1987 Mar–Apr;8(2):97–102

Endocrinology of the postpartum period in the Pelibuey ewe. Gonzalez A, et al. **J Anim Sci** 1987 Jun;64(6):1717–24

Effect of charcoal–extracted porcine follicular fluid and 17 beta–estradiol on follicular growth and plasma gonadotropins in gilts fed a progesterone agonist, altrenogest. Guthrie HD, et al. **J Anim Sci** 1987 Mar; 64(3):816–26

Endocrine and body growth traits in heifers exposed to testosterone–propionate during early fetal development. Hamernik DL, et al. **J Anim Sci** 1987 Jun;64(6):1858–66

Influence of insulin and energy intake on ovulation rate, luteinizing hormone and progesterone in beef heifers. Harrison LM, et al. **J Anim Sci** 1986 Oct;63(4):1228–35

Puberty–physiological mechanisms of control. Kragt CL, et al. **J Anim Sci** 1972;34 Suppl 1:1–18 (107 ref.)

Hormonal patterns of boars exposed to natural or supplemental lighting during pubertal development. Lee KH, et al. **J Anim Sci** 1987 Apr;64(4):1110–6

Passive immunization of cyclic mares against androgen: gonadotropin and progesterone concentrations and estrous characteristics. Thompson DL Jr, et al. **J Anim Sci** 1987 Mar;64(3):797–804

Hormonal response to milking. Tucker HA. **J Anim Sci** 1971; 32 Suppl 1:137–44

Influence of calf removal on the serum luteinizing hormone response to naloxone in the postpartum beef cow. Whisnant CS, et al. **J Anim Sci** 1986 Aug;63(2):561–4

Effect of human chorionic gonadotropin on preovulatory luteinizing hormone surge and ovarian hormone secretion in gilts. Ziecik A, et al. **J Anim Sci** 1987 Apr;64(4):1134–43

Dynamics of plasma gonadotropin and sex steroid release in polycystic ovarian disease after pituitary–ovarian inhibition with an analog of gonadotropin–releasing hormone. Calogero AE, et al. **J Clin Endocrinol Metab** 1987 May;64(5):980–5

Influence of age on pulsatile luteinizing hormone release and responsiveness of the gonadotrophs to sex hormone feedback in men. Deslypere JP, et al. **J Clin Endocrinol Metab** 1987 Jan;64(1):68–73

Circulating luteinizing hormone pulse frequency in women with polycystic ovary syndrome. Kazer RR, et al. **J Clin Endocrinol Metab** 1987 Aug;65(2):233–6

Dexamethasone reduces the postcastration gonadotropin rise in women. Melis GB, et al. **J Clin Endocrinol Metab** 1987 Aug;65(2):237–41

Gonadotropins and testosterone escape from suppression during prolonged luteinizing hormone–releasing hormone antagonist administration in normal men. Pavlou SN, et al. **J Clin Endocrinol Metab** 1987 May;64(5):1070–4

Circadian variations of luteinizing hormone can have two different profiles in adolescent anovulation. Porcu E, et al. **J Clin Endocrinol Metab** 1987 Sep;65(3):488–93

Sequential changes in plasma luteinizing hormone and plasma prorenin during the menstrual cycle. Sealey JE, et al. **J Clin Endocrinol Metab** 1987 Jul;65(1):1–5

Variability of midcycle estradiol positive feedback: evidence for unique pituitary responses in individual women. Simon JA, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):789–93

Actions of estradiol on discrete attributes of the luteinizing hormone pulse signal in man. Studies in postmenopausal women treated with pure estradiol. Veldhuis JD, et al. **J Clin Invest** 1987 Mar;79(3):769–76

Evidence for a daily rhythmicity in the acute release of luteinizing hormone in response to electrical stimulation in the Japanese quail. Konishi H, et al. **J Comp Physiol [A]** 1987 Aug;161(2):315–9

Differential effects of catecholoestradiol–17 beta and oestradiol–17 beta on concentrations of plasma LH in the fetal pig. Parvizi N. **J Endocrinol** 1986 Nov;111(2):297–300

Changes in plasma concentrations of LH, FSH and prolactin in ewes receiving melatonin and short–photoperiod treatments to induce early onset of breeding activity. Poulton AL, et al. **J Endocrinol** 1987 Jan;112(1):103–11

Developmental changes in gonadotrophins and testicular gonadotrophin receptors in the pig, from neonatal to adult life. Vandalem JL, et al. **J Endocrinol** 1986 Nov; 111(2):301–8

The contribution of corticosterone and testosterone to the suppression of serum LH in hyperprolactinaemic adult male rats with pituitary transplants. Weber RF, et al. **J Endocrinol** 1987 Apr;113(1):111–6

Luteinizing hormone pulsatile secretion and pituitary response to gonadotropin releasing hormone and to thyrotropin releasing hormone in male epileptic subjects on chronic phenobarbital treatment. Murialdo G, et al. **J Endocrinol Invest** 1987 Feb;10(1):27–31

Clinical aspects with regard to the occurrence of an endogenous luteinizing hormone surge in gonadotropin–induced normal menstrual cycles. Van Uem JF, et al. **J In Vitro Fert Embryo Transfer** 1986 Dec; 3(6):345–9

Changes in circulating levels of immunoreactive follicle stimulating hormone, luteinizing hormone, and testosterone during sexual development in the rhesus monkey, Macaca mulatta. Arslan M, et al. **J Med Primatol** 1986;15(5):351–9

Alcohol effects on luteinizing hormone–releasing hormone stimulated luteinizing hormone and follicle–stimulating hormone in ovariectomized female rhesus monkeys. Mello NK, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):693–700

Hormonal changes around oestrus of farmed fallow deer, Dama dama. Asher GW, et al. **J Reprod Fertil** 1986 Nov; 78(2):487–96

Effect of photoperiod on LH, FSH and prolactin patterns in ovariectomized oestradiol–treated heifers. Critser JK, et al. **J Reprod Fertil** 1987 Mar;79(2):599–608

Searching for an inhibitory action of blood–borne beta–endorphin on LH release. Malven PV. **J Reprod Fertil [Suppl]** 1987;34:9–16 (37 ref.)

Luteinizing hormone and ovulation timing. Seibel MM. **J Reprod Med** 1986 Aug;31(8 Suppl):754–9 (33 ref.)

Alcohol effects on naloxone–stimulated luteinizing hormone, prolactin and estradiol in women. Mendelson JH, et al. **J Stud Alcohol** 1987 Jul;48(4):287–94

Effect of adjuvant–induced arthritis on serum luteinizing hormone and testosterone concentrations in the male rat. Bruot BC, et al. **Life Sci** 1987 Sep 28;41(13):1559–65

Administration of an LHRH–antagonist to male mice: effects on in vivo secretion of hormones and on the growth of a transplantable human prostatic carcinoma. van Steenbrugge GJ, et al. **Life Sci** 1987 Mar 30;40(13):1335–43

Steroid and gonadotropin levels in women during the peri–menopausal years. Longcope C, et al. **Maturitas** 1986 Oct;8(3):189–96

Endometrium and plasma hormone profile in the peri–menopause and post–menopause. Trévoux R, et al. **Maturitas** 1986 Dec;8(4):309–26

Increased gonadotropin responsiveness to gonadotropin–releasing hormone during fasting in normal subjects. Röjdmark S. **Metabolism** 1987 Jan;36(1):21–6

Role of sexual differentiation of the hypothalamus in the differential effect of the serotoninergic system on LH in

prepubertal male and female rats. Moguilevsky JA, et al. **Neuroendocrinology** 1987 Apr;45(4):274–7

Nicotine–induced increases in brain luteinizing hormone releasing hormone–like immunoreactivity and in serum luteinizing hormone levels of the male rat. Andersson K, et al. **Neurosci Lett** 1986 Nov 21;71(3):289–92

Pancreatic exocrine aplasia, clinical features of leprechaunism, and abnormal gonadotropin regulation. Szilagyi PG, et al. **Pediatr Pathol** 1987;7(1):51–61

The gonadotropic–axis involvement in the course of the filial following response in the domestic fowl chick. Gvaryahu G, et al. **Physiol Behav** 1986;38(5):651–6

Primary feather molt and serum luteinizing hormone concentration in chukar partridge (Alectoris chukar) during a photoperiodically induced molt with or without fasting. Meyer WE, et al. **Poult Sci** 1986 Aug;65(8):1615–22

Thyroxine–induced molting and gonadal function of laying hens. Sekimoto K, et al. **Poult Sci** 1987 Apr;66(4):752–6

Plasma levels of luteinizing hormone, growth hormone, and estradiol from six weeks of age to sexual maturity in two lines of chickens selected for low or high abdominal fat content. Williams J, et al. **Poult Sci** 1986 Sep;65(9):1782–6

Effectiveness of estradiol and progesterone in inducing LH release in different stages in rat estrous cycles. Pi WP. **Proc Natl Sci Counc Repub China [B]** 1986 Oct;10(4):245–9

Nutritional and metabolic factors in the regulation of reproductive hormone secretion in the primate. Steiner RA. **Proc Nutr Soc** 1987 Jul;46(2):159–75 (40 ref.)

The effects of buserelin on the hormonal states in PCOD. Willemsen WN, et al. **Prog Clin Biol Res** 1986;225:377–89 (36 ref.)

Involvement of prostate in the regulation of serum levels of FSH, LH, and prolactin in male rats. Hurkadli KS, et al. **Prostate** 1986;9(4):411–6

Circulating levels of inhibin, prolactin, TSH, LH, and FSH in benign prostatic hypertrophy before and after tumor resection. Phadke MA, et al. **Prostate** 1987;10(2):115–22

Blockade of the LH surge and ovulation by GABA–T inhibitory drugs that increase brain GABA levels in rats. Donoso AO, et al. **Psychoneuroendocrinology** 1986;11(4):429–35

Elevated plasma luteinizing hormone concentrations, cryptorchidism and mania. Whalley LJ, et al. **Psychoneuroendocrinology** 1987;12(1):73–7

Amenorrhea and predictors for remenorrhea in anorexia nervosa: a psychoendocrinological study in inpatients. Meyer AE, et al. **Psychother Psychosom** 1986;45(3):149–60

Effects of a long–acting LHRH agonist preparation on plasma gonadotropin and prolactin levels in castrated male rats and on the release of prolactin from ectopic pituitaries. Sellers KJ, et al. **Regul Pept** 1986 Oct;15(3):219–28

Radioimmunoassays of human luteinizing and follicle–stimulating hormones using the same radioactive tracer. Mariani V, et al. **Ric Clin Lab** 1987 Apr–Jun;17(2):163–9

Steroid hormone feedback on LH in prepubertal Holstein heifers. Swanson LV, et al. **Steroids** 1986 Feb–Mar;47(2–3):101–14

[Ovarian function under mini–dose oral contraception. Echographic morphology of the ovaries and hormonology] Doyen J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(3):317–25 (Eng. Abstr.) **(Fre)**

[Initial results of the determination of luteinizing hormones during early pregnancy in swine] Kanitz E, et al. **Arch Exp Veterinarmed** 1987 Jan;41(1):114–20 (Eng. Abstr.) **(Ger)**

[Regulation of gonadotropin fluctuation by beta–endorphin] Schurz B. **Gynakol Rundsch** 1987;27 Suppl 1:29–37 (Eng. Abstr.) **(Ger)**

[Experimental studies of the significance and mechanism of desensitization to the gonadotropin–inhibiting effect of estrogen. 2. Detection and mechanisms of preovulatory desensitization in the ovarian cycle] Döcke F, et al. **Zentralbl Gynakol** 1986;108(13):783–93 (Eng. Abstr.) **(Ger)**

[Role of pulsatile liberation of gonadotropins in the development of amenorrhea] Hámori M, et al. **Zentralbl Gynakol** 1987;109(12):783–7 (Eng. Abstr.) **(Ger)**

[Clinical use of Gonadorelin as a diagnostic agent in one– and two–step tests] Vesper B, et al. **Zentralbl Gynakol** 1986;108(23):1442–52 (Eng. Abstr.) **(Ger)**

[Radioimmunoassay determination of LH, FSH, prolactin, TSH and ACTH in the preovulatory phase under basal conditions and after treatment with a prostaglandin analog] Melloni GF, et al. **Boll Soc Ital Biol Sper** 1986 Aug 30;62(8):947–53 (Eng. Abstr.) **(Ita)**

[Hormonal, beta–endorphin and renin activity changes in man during partial immersion, as a therapeutic method, in water at 38 degrees C.] Digiesi V, et al. **Minerva Med** 1987 Feb 15;78(3):135–9 (Eng. Abstr.) **(Ita)**

[Correlation of LH and prolactin pulses in normoprolactinemic women with ovulatory disturbances and variation of LH and FSH pulses and secreting capacity by administration of bromocriptine in the same cases] Kato K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Dec;38(12):2241–50 (Eng. Abstr.) **(Jpn)**

[Effect of chronic consumption of alcohol on the hypothalamo–pituitary–testicular axis in the rat] Mateos A, et al. **Rev Esp Fisiol** 1987 Mar;43(1):33–7 (Eng. Abstr.) **(Spa)**

DEFICIENCY

Absence of HLA linkage in familial hypogonadotropic hypogonadism. Milwidsky A, et al. **J Reprod Med** 1987 Feb;32(2):96–8

[Gonadal dysgenesis associated with gonadotropin and growth hormone deficiencies] Calle Fernández JR, et al. **Rev Clin Esp** 1987 May;180(8):435–7 (Eng. Abstr.) **(Spa)**

GENETICS

Organization and expression of gonadotropin genes. Chin WW, et al. **Adv Exp Med Biol** 1986;205:245–65 (48 ref.)

Measurement of messenger ribonucleic acid for luteinizing hormone beta–subunit, alpha–subunit, growth hormone, and prolactin after hypothalamic pituitary disconnection in ovariectomized ewes. Hamernik DL, et al. **Endocrinology** 1986 Dec;119(6):2704–10

Alpha and luteinizing hormone beta subunit messenger ribonucleic acids during the rat estrous cycle. Zmeili SM, et al. **Endocrinology** 1986 Oct;119(4):1867–9

Gonadotropin beta subunits determine the rate of assembly and the oligosaccharide processing of hormone dimer in transfected cells. Corless CL, et al. **J Cell Biol** 1987 May;104(5):1173–81

Expression of the genes encoding bovine LH in a line of Chinese hamster ovary cells. Nilson JH, et al. **J Reprod Fertil [Suppl]** 1987;34:227–36

IMMUNOLOGY

Effect of active immunization against LHRH or LH in boars: reproductive consequences and performance traits. Falvo RE, et al. **J Anim Sci** 1986 Sep;63(3):986–94

ISOLATION & PURIFICATION

Stability of rat pituitary gonadotropins during nonreducing sodium dodecyl sulfate–polyacrylamide gel electrophoresis. Keel BA, et al. **Arch Androl** 1986;17(3):207–14

Ovine luteinizing hormone. III. Relationships between the charge heterogeneity of partially purified subunits and the native hormone. Keel BA, et al. **Biol Reprod** 1987 Jun;36(5):1125–33

Characterization of equine luteinizing hormone by chromatofocusing. Matteri RL, et al. **Biol Reprod** 1987 Mar;36(2):261–9

Biological and immunological properties of zebra pituitary gonadotropins: comparison with horse and donkey gonadotropins. Matteri RL, et al. **Biol Reprod** 1987 Jun;36(5):1134–41

Primary structure of sperm whale luteinizing hormone. Pankov YuA, et al. **Int J Pept Protein Res** 1986 Aug;28(2):124–9

METABOLISM

Overlapping imprinting of thyrotropic (TSH) and gonadotropic (FSH, LH) hormones in cultures of newborn rat testicles and ovaries. Csaba G, et al. **Acta Morphol Hung** 1986;34(3):171–6

Luteinizing hormone (LH) response to different doses of synthetic gonadotropin releasing hormone (GnRH) in prepubertal gilts. Rojanasthien S, et al. **Acta Vet Scand** 1986;27(2):257–66

Wheat germ agglutinin behaves as a GnRH antagonist but induces gonadotrope desensitization. Schvartz I, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):750–7

Correlative study on sex differences in pituitary luteinizing hormone content and the number of immunoreactive luteinizing hormone cells in perinatal rats. Watanabe YG. **Biol Neonate** 1986;49(6):337–43

Ovine luteinizing hormone. II. Effects of castration and steroid administration on the levels of uncombined subunits within the pituitary. Keel BA, et al. **Biol Reprod** 1987 Jun;36(5):1114–24

Ovine luteinizing hormone. I. Effects of castration and steroid administration on the charge heterogeneity of pituitary luteinizing hormone. Keel BA, et al. **Biol Reprod** 1987 Jun;36(5):1102–13

Effect of luteinizing hormone deprivation in situ on steroidogenesis of rat Leydig cells purified by a multistep procedure. Klinefelter GR, et al. **Biol Reprod** 1987 Apr;36(3):769–83

Inhibition of release of a novel pituitary polypeptide, 7B2, follicle–stimulating hormone, and luteinizing hormone from rat anterior pituitary cells in vitro by human beta–inhibin. Chan JS, et al. **Can J Physiol Pharmacol** 1986 Sep;64(9):1259–62

Effect of cortisol on luteinizing hormone release during sexual behavior in the boar. Wang LX, et al. **Can J Vet Res** 1986 Oct;50(4):540–2

On the fates of receptor–bound ovine luteinizing hormone and human chorionic gonadotropin in cultured Leydig tumor cells. Demonstration of similar rates of internalization. Ascoli M, et al. **Endocrinology** 1987 Mar;120(3):1161–72

Differences in the carbohydrate moieties of the common alpha–subunits of human chorionic gonadotropin, luteinizing hormone, follicle–stimulating hormone, and thyrotropin: preliminary structural inferences from direct methylation analysis. Nilsson B, et al. **Endocrinology** 1986 Dec;119(6):2737–43

Effects of hysterectomy and uterine extracts on the gonadotrophic hormones and the weight of endocrine organs of female rats. Biró JC, et al. **Exp Clin Endocrinol** 1987 Mar;89(1):23–30

Subtle abnormalities in follicular development and hormonal profile in women with unexplained infertility. Lewinthal D, et al. **Fertil Steril** 1986 Nov;46(5):833–9

Ontogenetic steroidogenesis by testes, ovary, and adrenals of embryonic and postembryonic chickens (Gallus domesticus). Tanabe Y, et al. **Gen Comp Endocrinol** 1986 Sep;63(3):456–63

Pituitary luteinizing hormone and follicle–stimulating hormone from birth to adulthood in male rabbit. Changes in the pituitary responsiveness to LHRH injection. Berger M, et al. **Horm Res** 1981;15(4):242–51

Gonadotropin–releasing hormone action upon luteinizing hormone bioactivity in pituitary gland: role of sulfation. Sardañons ML, et al. **J Biol Chem** 1987 Aug 15;262(23):11149–55

Preferential release of bioactive luteinizing hormone in response to endogenous and low dose exogenous gonadotropin–releasing hormone pulses in man. Veldhuis JD, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1275–82

Specific binding sites for LH/chorionic gonadotrophin, low–density lipoprotein, prolactin and FSH in homogenates of human corpus luteum. I: Validation of methods. Bramley TA, et al. **J Endocrinol** 1987 May;113(2):305–15

Changes in gonadotrophin–releasing hormone and LH in Japanese quail during the first few days of photostimulation. Creighton JA, et al. **J Endocrinol** 1987 Jun;113(3):419–22

Purification and characterization of ovarian LH/hCG and prolactin receptors. Dufau ML, et al. **J Recept Res** 1987;7(1–4):167–93

Kinetic and autoradiographic studies on binding of hCG to the testicular LH receptors of neonatal rats. Huhtaniemi IT, et al. **J Reprod Fertil** 1986 Sep;78(1):73–82

Estradiol inhibition of pituitary luteinizing hormone release is antagonized by serum proteins. Moll GW Jr, et al. **J Steroid Biochem** 1986 Sep;25(3):309–14

Delta sleep–inducing peptide (DSIP) stimulates LH release in steroid–primed ovariectomized rats. Sahu A, et al. **Life Sci** 1987 Mar 23;40(12):1201–6

Plasma and pituitary content of growth hormone luteinizing hormone, and prolactin in uremic rats. Effects of chronic infusion of insulin. Lacour B, et al. **Nephron** 1986;44(3):235–9

Stimulation of luteinizing hormone release and cyclic nucleotide production by arachidonic acid in cultured pituitary gonadotrophs. Kiesel L, et al. **Neuroendocrinology** 1987 Jun;46(1):1–9

Activation of the CNS noradrenergic system may inhibit as well as facilitate pituitary luteinizing hormone release. Taleisnik S, et al. **Neuroendocrinology** 1986;44(2):265–8

A receptor–binding region in human choriogonadotropin/lutropin beta subunit. Keutmann HT, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):2038–42

PHARMACODYNAMICS

Steroidogenesis and cAMP production in isolated avian granulosa cells during follicular maturation: lack of positive correlation. Asem EK, et al. **Acta Endocrinol (Copenh)** 1986 Oct;113(2):289–97

Initiation and control of ovulation in the mouse luteal phases. Effects of gonadotropins and gonadotropin releasing hormone. Gidley–Baird AA, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):576–81

Role of luteinizing hormone in luteotropic complex of pregnant hamster. Tamura H, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):E500–4

Maitotoxin stimulates steroid and peptide hormone secretion by swine luteal tissue. Veldhuis JD, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):E8–12

Progesterone secretion by the bovine fetoplacental unit and responsiveness of corpora lutea to steroidogenic stimuli at two stages of gestation. Pimentel SM, et al. **Am J Vet Res** 1986 Sep;47(9):1967–71

Effects of season, ovariectomy and mammalian gonadotropins on the oviduct of Indian wall lizard Hemidactylus flaviviridis (Ruppel). Haider S. **Arch Anat Histol Embryol (Strasb)** 1985;68:119–26

Actions of LH/hCG on accumulation and catabolism of progestins in cultured rat granulosa cells. Moon YS, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1025–31

Luteinizing hormone stimulates the formation of inositol trisphosphate and cyclic AMP in rat granulosa cells. Evidence for phospholipase C generated second messengers in the action of luteinizing hormone. Davis JS, et al. **Biochem J** 1986 Sep 1;238(2):597–604

Similarities and differences in phorbol ester– and luteinizing–hormone–induced desensitization of rat tumour Leydig–cell adenylate cyclase. Dix CJ, et al. **Biochem J** 1987 Apr 15;243(2):373–7

The role of Ca2+ in steroidogenesis in Leydig cells. Stimulation of intracellular free Ca2+ by lutropin (LH), luliberin (LHRH) agonist and cyclic AMP. Sullivan MH, et al. **Biochem J** 1986 May 15;236(1):45–51

The dual regulation of cyclic AMP and calcium by luteinizing hormone and the mechanisms of desensitization and recycling of the luteinizing hormone receptor. Cooke BA, et al. **Biochem Soc Trans** 1987 Feb;15(1):26–8

Internalization and recycling of lutropin receptors upon stimulation by porcine lutropin and human choriogonadotropin in porcine Leydig cells. Genty N, et

al. **Biol Cell** 1987;59(2):129–35
Catecholamine stimulation of androgen production by rat Leydig cells. Interactions with luteinizing hormone and luteinizing hormone–releasing hormone. Anakwe OO, et al. **Biol Reprod** 1986 Nov;35(4):806–14
Early effects of luteinizing hormone on mitochondrial phosphoinositides in ovarian follicles. Dimino MJ, et al. **Biol Reprod** 1987 Feb;36(1):97–102
Decreased granulosa cell luteinizing hormone sensitivity and altered thecal estradiol concentration in the aged hen, Gallus domesticus. Johnson PA, et al. **Biol Reprod** 1986 Oct;35(3):641–6
Ovarian steroidogenesis during follicular maturation in the domestic fowl (Gallus domesticus). Robinson FE, et al. **Biol Reprod** 1986 Dec;35(5):1096–105
Properties of equine luteinizing hormone alpha subunit alone and in combination with various beta subunits. Roser JF, et al. **Biol Reprod** 1986 Oct;35(3):493–500
Impact of gonadotropin (FSH–LH)–thyrotropin (TSH) overlap on the growth of Chinese hamster ovary (CHO) cell culture after single and repeated treatment. Csaba G, et al. **Cell Biol Int Rep** 1987 Jun;11(6):495
Seasonal variations in the responses of luteal and follicular luteinizing hormone–stimulated adenylyl cyclases to estradiol implants and implant removal in pseudopregnant rabbits. Kirchick HJ, et al. **Comp Biochem Physiol [A]** 1986; 84(4):709–13
Comparison of the ability of seven gonadotropin preparations from different mammalian sources to interact with the adenylyl cyclase system in corpora lutea from rabbits and rats. Sigafoos JF, et al. **Comp Biochem Physiol [A]** 1987; 86(3):453–60
Effect of commercial formulation of four organophosphorus insecticides on the LH–induced germinal vesicle breakdown in the oocytes of a freshwater teleost, Mystus vittatus (Bloch)—a preliminary in vitro study. Haider S, et al. **Ecotoxicol Environ Safety** 1986 Oct;12(2):161–5
Effects of multiple LH injections on the secretion of estrogens from polycystic ovaries of androgen–sterilized rats. Sawada T. **Endocrinol Jpn** 1987 Apr;34(2):273–7
Luteinizing hormone–induced intracellular calcium mobilization in granulosa cells: comparison with forskolin and 8–bromo–adenosine 3',5'–monophosphate. Asem EK, et al. **Endocrinology** 1987 Mar;120(3):853–9
A phorbol ester, phorbol 12–myristate 13–acetate, and a calcium ionophore, A23187, can mimic the luteolytic effect of prostaglandin F2 alpha in isolated rat luteal cells. Baum MS, et al. **Endocrinology** 1987 Mar;120(3):1019–26
Gonadotropins and estradiol stimulate immunoreactive insulin–like growth factor–I production by porcine granulosa cells in vitro. Hsu CJ, et al. **Endocrinology** 1987 Jan;120(1):198–207
The regulation of granulosa cell proopiomelanocortin messenger ribonucleic acid by androgens and gonadotropins. Melner MH, et al. **Endocrinology** 1986 Nov; 119(5):2082–8
In vitro evidence for short–loop gonadotropin feedback on gonadotropin–releasing hormone neurons harvested from adult male rats. Melrose PA. **Endocrinology** 1987 Jul; 121(1):200–4
Redistribution of ovarian blood flow after injection of human chorionic gonadotropin and luteinizing hormone in the adult pseudopregnant rat. Norjavaara E, et al. **Endocrinology** 1987 Jan;120(1):107–14
Effect of estradiol–17 beta and luteinizing hormone on progesterone secretion by luteal cells from early pregnant, estradiol benzoate–treated and human chorionic gonadotropin–treated sows. Gražul A, et al. **Exp Clin Endocrinol** 1986 Aug;87(3):239–46
Effect of melatonin on gonads, body weight, and luteinizing hormone (LH) dependent coloration of the Indian finch, Lal munia (Estrilda amandava). Gupta BB, et al. **Gen Comp Endocrinol** 1987 Mar;65(3):451–6
Effects of mammalian gonadotropins (oFSH and oLH) on testicular development in the immature water snake, Nerodia sipedon. Krohmer RW. **Gen Comp Endocrinol** 1986 Dec;64(3):330–8
Ovarian steroidogenesis in vitro during the first month posthatching in the domestic chick: gonadotropin responsiveness and [3H]progesterone metabolism. Marrone BL. **Gen Comp Endocrinol** 1986 Apr;62(1):62–9
Seasonal plasma and intraovarian sex steroid profiles, and influence of temperature on gonadotropin stimulation of in vitro estradiol–17 beta and progesterone production, in Rana esculenta (Amphibia: Anura). Pierantoni R, et al. **Gen Comp Endocrinol** 1987 Aug;67(2):163–8
Ovarian cyclic GMP concentration and guanylate cyclase and cyclic GMP phosphodiesterase activities in proestrus rat after treatment with LH. Patwardhan VV, et al. **Horm Metab Res** 1987 Mar;19(3):136–7
Induced ovulation and fertility in prepuberal cattle, sheep and swine. Foote RH. **J Anim Sci** 1972;34 Suppl 1:49–56 (43 ref.)
Luteinizing hormone increases inositol trisphosphate and cytosolic free Ca2+ in isolated bovine luteal cells. Davis JS, et al. **J Biol Chem** 1987 Jun 25;262(18):8515–21
Inhibition of choriogonadotropin–activated steroidogenesis in cultured Leydig tumor cells by the Rp diastereoisomer of adenosine 3',5'–cyclic phosphorothioate. Pereira ME, et al. **J Biol Chem** 1987 May 5;262(13):6093–100
Effects of luteinizing hormone and dibutyryl adenosine 3',5'–monophosphate in cultured granulosa cells from polycystic ovaries. Nakamura Y, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1156–62
Prostaglandin F2 alpha–induced functional luteolysis: interactions of LH, prostaglandin F2 alpha and forskolin in cyclic AMP and progesterone synthesis in isolated rat luteal cells. Kenny N, et al. **J Endocrinol** 1986 Dec; 111(3):415–23
Effects of multiple injections of LH on the secretion of pregnane compounds from polycystic ovaries of androgen–sterilized rats. Sawada T. **J Endocrinol** 1986 Sep; 110(3):507–10
Production of inhibin bioactivity by human granulosa–lutein cells: stimulation by LH and testosterone in vitro. Tsonis CG, et al. **J Endocrinol** 1987 Mar;112(3):R11–4
RNA synthesis in Leydig cells during sexual maturation in the rat: effect of LH. Valladares LE, et al. **J Endocrinol** 1986 Sep;110(3):551–6
Effect of mammalian gonadotropins on testosterone secretion in male alligators. Lance VA, et al. **J Exp Zool** 1987 Jan; 241(1):91–4
Stimulation with LH of progesterone production by rabbit corpora lutea in vitro. Damle S, et al. **J Reprod Fertil** 1987 Mar;79(2):431–6
Oestrogens inhibit steroid production by dispersed porcine thecal cells. Hunter MG, et al. **Mol Cell Endocrinol** 1987 Apr;50(3):165–70
Insulin–like growth factor–I augments gonadotropin–stimulated androgen biosynthesis by cultured rat testicular cells. Kasson BG, et al. **Mol Cell Endocrinol** 1987 Jul;52(1–2):27–34
Heterodimers and homodimers of inhibin subunits have different paracrine action in the modulation of luteinizing hormone–stimulated androgen biosynthesis. Hsueh AJ, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5082–6
Steroid secretion by foetal mammal gonads and its regulation by gonadotrophins. Weniger JP. **Reprod Nutr Dev** 1986; 26(4):921–32 (95 ref.)
Effects of luteinising hormone on embryo production in superovulated cows. Donaldson LE, et al. **Vet Rec** 1986 Dec 20–27;119(25–26):625–6

PHYSIOLOGY

Role of the preoptic area in the neuroendocrine regulation of reproduction: an analysis of functional preoptic homografts. Gibson MJ. **Ann NY Acad Sci** 1986;474:53–63 (42 ref.)
Pathophysiological relationships between the biological and immunological activities of luteinizing hormone. Dufau ML, et al. **Baillieres Clin Endocrinol Metab** 1987 Feb; 1(1):153–76 (72 ref.)
Membrane methylation in isolated rat testis interstitial cells unmasks functional luteinizing hormone receptors. Solano AR, et al. **Biochim Biophys Acta** 1987 Apr 2;928(1):107–13
Evidence for dopaminergic regulation of prolactin and a luteotropic complex in the ferret. Agu GO, et al. **Biol Reprod** 1986 Oct;35(3):508–15
Hormonal control of pubertal spermatogenesis. Russell LD, et al. **Endocrinology** 1987 Apr;120(4):1615–32
The relation between the effects of hysterectomy, decidual tissue, prolactin, or luteinizing hormone (LH) and the ability of indomethacin to prevent luteolysis in rats bearing LH–dependent corpora lutea. Sanchez–Criado J, et al. **Endocrinology** 1986 Oct;119(4):1750–6
Intratesticular factors and testosterone secretion: the role of luteinizing hormone in relation to changes during puberty and experimental cryptorchidism. Sharpe RM, et al. **Endocrinology** 1986 Nov;119(5):2089–96
Thou shalt luteinize, not rupture. Aksel S. **Fertil Steril** 1987 May;47(5):762–4
Use of individual human follicles to compare oocyte in vitro fertilization to granulosa cell in vitro luteinization. Hill GA, et al. **Fertil Steril** 1987 Aug;48(2):258–64
The outcome of continued treatment of luteinizing hormone–surged cycles in in vitro fertilization with the use of human menopausal gonadotropin. Huang KE, et al. **Fertil Steril** 1987 May;47(5):816–20
Role of luteinizing hormone in regulating luteal function in ruminants. Niswender GD, et al. **J Anim Sci** 1986;62 Suppl 2:1–13
Radioautographic localization and regulation of the insulin receptors in rat testis. Abelé V, et al. **J Recept Res** 1986; 6(5–6):461–73
Hammond memorial lecture. New concepts of the control of corpus luteum function. Hansel W, et al. **J Reprod Fertil** 1986 Nov;78(2):755–68
Cellular origin, hormonal regulation and biochemical characteristics of polypeptides secreted by graafian follicles of sheep. Moor RM, et al. **J Reprod Fertil** 1987 Mar; 79(2):469–83
Effects of FSH and LH on incorporation of [3H]thymidine into follicular DNA. Roy SK, et al. **J Reprod Fertil** 1986 Sep;78(1):201–9
Hypothalamic localization of multiunit electrical activity associated with pulsatile LH release in the rhesus monkey. Silverman AJ, et al. **Neuroendocrinology** 1986;44(2):168–71
A relationship between gonadotropins and visuospatial function. Gordon HW, et al. **Neuropsychologia** 1986; 24(4):563–76
Human pituitary and placental hormones control human insulin–like growth factor II secretion in human granulosa cells. Ramasharma K, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2643–7

SECRETION

Changes in the responsiveness of perifused rat adenohypophysial cells to repeated stimulation with luteinizing hormone releasing hormone. Buckingham JC, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):479–86
Effect of transport stress on luteinizing hormone released by GnRH in dairy cows. Dobson H. **Acta Endocrinol (Copenh)** 1987 May;115(1):63–6
Modulation of LH–secretion in ovariectomized ewes by constant infusions of oestradiol and 4–hydroxyoestradiol: effects of varying infusion times and of high oestrogen doses. Emons G, et al. **Acta Endocrinol (Copenh)** 1986 Oct; 113(2):219–25
Effect of naloxone on the development of the positive feed–back action of oestrogen–progesterone on LH secretion in rats. Faigón MR, et al. **Acta Endocrinol (Copenh)** 1987 May;115(1):16–20
Naloxone administration does not affect gonadotropin secretion in patients with Klinefelter's syndrome. Forti G, et al. **Acta Endocrinol (Copenh)** 1987 Jul;115(3):320–4
Gonadotropin responses to low dose pulsatile administration of GnRH in a case of anosmia with hypogonadotropic hypogonadism associated with gonadal dysgenesis 47 XXY. Hazard J, et al. **Acta Endocrinol (Copenh)** 1986 Dec; 113(4):593–7
Phenobarbital enhances pituitary LH release induced by LRH pulses in the ovariectomized rat. Lambalk CB, et al. **Acta Endocrinol (Copenh)** 1987 Feb;114(2):214–7
Blockade of pro–oestrus LH surge and ovulation by GABA increase in the rat locus coeruleus. Landa AI, et al. **Acta Endocrinol (Copenh)** 1987 Aug;115(4):490–6
Effect of anaesthetics on PRL and LH secretion in rats. Importance of pre–anaesthetic adaptation and involvement of monoaminergic neurons. Matzen S, et al. **Acta Endocrinol (Copenh)** 1987 Aug;115(4):528–36
Substance P stimulates gonadotropin–releasing hormone release from rat hypothalamus in vitro with involvement of oestrogen. Ohtsuka S, et al. **Acta Endocrinol (Copenh)** 1987 Jun;115(2):247–52
Suppression by LRH of the stimulatory effect of oestradiol on the secretion of LH by the rat pituitary gland. Schuiling GA, et al. **Acta Endocrinol (Copenh)** 1987 Apr; 114(4):488–96
Effect of clomiphene citrate on the in vitro release of LH and FSH by the pituitary gland of the long–term ovariectomized rat pretreated with LRH or with LRH and oestradiol benzoate. Schuiling GA, et al. **Acta Endocrinol (Copenh)** 1986 Sep;113(1):35–41
The role of gonadal steroids in feedback regulation of gonadotropin secretion at different stages of primate development. Winter JS, et al. **Acta Endocrinol (Copenh)** 1987 Feb;114(2):257–68
Gonadotropin–secreting pituitary adenoma with concomitant hypersecretion of testosterone and elevated sperm count. Treatment with LRH agonist. Zárate A, et al. **Acta Endocrinol (Copenh)** 1986 Sep;113(1):29–34
Endogenous opioid inhibitory tone on LH secretion in normal puberty and in several pubertal disturbances. Bernasconi S, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986; 279:196–201
Inhibitory actions of GABA on luteinizing hormone secretion. Donoso AO, et al. **Adv Biochem Psychopharmacol** 1986;42:191–9
Wen–jing–tang, a traditional Chinese herbal medicine increases luteinizing hormone release in vitro. Miyake A, et al. **Am J Chin Med** 1986;14(3–4):157–60
Acute modulation of the hypothalamic–pituitary axis by intravenous testosterone in normal women. Serafini P, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1288–92
Ionophore A23187 partially reverses LH secretory defect of pituitary cells from old rats. Chuknyiska RS, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):E233–7
Appraising the nature of luteinizing hormone secretory events in men. Veldhuis JD, et al. **Am J Physiol** 1987 May; 252(5 Pt 1):E599–605
Central actions of ovarian steroids in the feedback regulation of pulsatile secretion of luteinizing hormone. Karsch FJ. **Annu Rev Physiol** 1987;49:365–82 (131 ref.)
Response of pre–pubertally castrated rams and ewes to artificial photoperiod—changes in plasma LH and prolactin. Poulton AL. **Aust J Biol Sci** 1986;39(4):417–25
LH–releasing activity and receptor binding of pHGnRH 14–26 analogues. Milton SC, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):872–9
Anisomycin inhibition of estradiol–induced and progesterone–facilitated luteinizing hormone surges in the immature rat. Attardi B. **Biol Reprod** 1987 Apr;36(3):588–98
Opioid inhibition of luteinizing hormone secretion in the postpartum lactating sow. Barb CR, et al. **Biol Reprod** 1986 Sep;35(2):368–71
Influence of stage of the estrous cycle on endogenous opioid modulation of luteinizing hormone, prolactin, and cortisol secretion in the gilt. Barb CR, et al. **Biol Reprod** 1986 Dec; 35(5):1162–7
Testicular modulation of luteinizing hormone response to gonadotropin–releasing hormone (GnRH)–agonist treatment. Bhasin S, et al. **Biol Reprod** 1987 Mar; 36(2):309–13
Kainic acid lesioning of the preoptic area alters positive feedback of estrogen in prepubertal female rats. Clough RW, et al. **Biol Reprod** 1986 Dec;35(5):1269–76
Feedback regulation of gonadotropic hormone secretion in

neonatal pigs. Colenbrander B, et al. **Biol Reprod** 1987 May; 36(4):871–7

Luteinizing hormone secretion from the quail pituitary in vitro. Connolly PB, et al. **Biol Reprod** 1987 Jun; 36(5):1238–46

Influence of season and estradiol on secretion of luteinizing hormone in ovariectomized cows. Day ML, et al. **Biol Reprod** 1986 Oct;35(3):549–53

Relationships between luteinizing hormone, follicle-stimulating hormone and prolactin secretion and ovarian follicular development in the weaned sow. Foxcroft GR, et al. **Biol Reprod** 1987 Feb;36(1):175–91

Active immunization of intact mares against gonadotropin-releasing hormone: differential effects on secretion of luteinizing hormone and follicle-stimulating hormone. Garza F Jr, et al. **Biol Reprod** 1986 Sep; 35(2):347–52

Enhanced luteinizing hormone release by luteinizing hormone-releasing hormone in incubating female turkeys (Meleagris gallopavo). el Halawani ME, et al. **Biol Reprod** 1987 May;36(4):884–9

Preovulatory secretion of progesterone, luteinizing hormone, and prolactin in 4-day and 5-day cycling rats. Hashimoto I, et al. **Biol Reprod** 1987 Apr;36(3):599–605

Destruction of bovine ovarian follicles: effects on the pulsatile release of luteinizing hormone and prostaglandin F2 alpha-induced luteal regression. Hughes TL, et al. **Biol Reprod** 1987 Apr;36(3):523–9

Mating-induced luteinizing hormone surge and ovulation in the female camel (Camelus dromedarius). Marie M, et al. **Biol Reprod** 1986 Nov;35(4):792–8

Separate neural systems mediate the steroid-dependent and steroid-independent suppression of tonic luteinizing hormone secretion in the anestrous ewe. Meyer SL, et al. **Biol Reprod** 1986 Oct;35(3):562–71

Hypothalamic deafferentation and luteinizing hormone-releasing hormone effects on secretion of luteinizing hormone in prepubertal pigs. Molina JR, et al. **Biol Reprod** 1986 Sep;35(2):439–46

Pulsatile secretion of bioactive luteinizing hormone in adult male rhesus macaques: acute and chronic effects of orchidectomy. Norman RL, et al. **Biol Reprod** 1987 Mar; 36(2):293–300

Interference with the preovulatory luteinizing hormone surge and blockade of ovulation in immature pregnant mare's serum gonadotropin-primed rats with the anti-androgenic drug, hydroxyflutamide. Opavsky MA, et al. **Biol Reprod** 1987 Apr;36(3):636–42

Role of progesterone in the modulation of the preovulatory surge of gonadotropins and ovulation in the pregnant mare's serum gonadotropin-primed immature rat and the adult rat. Rao IM, et al. **Biol Reprod** 1986 Dec; 35(5):1154–61

Androgenic regulation of luteinizing hormone secretion: relationship to androgen binding in sheep pituitary. Schanbacher BD, et al. **Biol Reprod** 1987 Mar;36(2):340–50

Pulsatile release of immunoreactive luteinizing hormone (irLH) in hypophysectomized male rats. Shin SH, et al. **Biol Reprod** 1986 Dec;35(5):1115–22

Effects of food restriction and restoration on gonadotropin and growth hormone secretion in immature male rats. Sisk CL, et al. **Biol Reprod** 1986 Oct;35(3):554–61

Effects of hyperprolactinemia on the control of luteinizing hormone and follicle-stimulating hormone secretion in the male rat. Smith MS, et al. **Biol Reprod** 1987 Feb; 36(1):138–47

Development of opiate ([3H] naloxone)-binding sites in female rabbit brain: correlation with prepubertal gonadotropin secretion. Wilkinson M, et al. **Biol Reprod** 1986 Oct;35(3):572–8

The postweaning rise of tonic luteinizing hormone secretion in anestrous cows is not prevented by chronic milking or the physical presence of the calf. Williams GL, et al. **Biol Reprod** 1987 Jun;36(5):1079–84

Seasonal modulation of luteinizing-hormone secretion in female rhesus monkeys. Wilson ME, et al. **Biol Reprod** 1987 May;36(4):975–84

Pulsatility of luteinising hormone in men with chronic renal failure: abnormal rather than absent. Wheatley T, et al. **Br Med J** 1987 Feb 21;294(6570):482

Hypogonadism in chronic liver disease: impaired release of luteinising hormone. Bannister P, et al. **Br Med J [Clin Res]** 1986 Nov 8;293(6556):1191–3

Is changing hypothalamic activity important for control of ovulation? Clayton RN, et al. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):7–12

Neonatal testosterone modifies LH secretion in the adult female rat by altering the opioid-noradrenergic interaction in the medial preoptic area. Grossmann R, et al. **Brain Res** 1987 Jul 14;415(2):205–10

Effects of preoptic injections of gastrin, cholecystokinin, secretin, vasoactive intestinal peptide and PHI on the secretion of luteinizing hormone and prolactin in ovariectomized estrogen-primed rats. Kimura F, et al. **Brain Res** 1987 May 5;410(2):315–22

Hypothalamic monoamines and their catabolites in relation to the estradiol-induced luteinizing hormone surge. Osterburg HH, et al. **Brain Res** 1987 Apr 14;409(1):31–40

Dopaminergic involvement in the estrogen-induced suppression of frequency of pulsatile luteinizing hormone secretion in the ovariectomized rat. Tadokoro Y, et al. **Brain Res** 1986 Aug 13;380(1):69–75

LH pulsatility following acute ethanol ingestion in men. Bannister P, et al. **Clin Endocrinol (Oxf)** 1986 Aug; 25(2):143–50

Evidence for serotoninergic system involvement in opioid control of luteinizing hormone secretion in man. Foresta C, et al. **Clin Endocrinol (Oxf)** 1986 Nov;25(5):573–8

Relationships between the characteristics of endogenous luteinizing hormone surge and the degree of ovarian hyperstimulation during superovulation induction in women. Messinis IE, et al. **Clin Endocrinol (Oxf)** 1986 Oct; 25(4):393–400

Assessment of the sexual and antler potential of the male white-tailed deer (Odocoileus virginianus) by Gn-RH stimulation test. Bubenik GA, et al. **Comp Biochem Physiol [A]** 1987;86(4):767–71

Synthetic atrial natriuretic factors (ANFs) stimulate guanine 3',5'-monophosphate production but not hormone release in rat pituitary cells: peptide contamination with a gonadotropin-releasing hormone agonist explains luteinizing hormone-releasing activity of certain ANFs. Abou-Samra AB, et al. **Endocrinology** 1987 Jan; 120(1):18–24

Stimulation of luteinizing hormone (LH) release and phospholipid breakdown by guanosine triphosphate in permeabilized pituitary gonadotropes: antagonist action suggests association of a G protein and gonadotropin-releasing hormone receptor. Andrews WV, et al. **Endocrinology** 1986 Dec;119(6):2537–46

Prolactin modulates the gonadotropin response to the negative feedback effect of testosterone in immature male rats. Chandrashekar V, et al. **Endocrinology** 1987 Feb; 120(2):758–63

Dynamic actions of arachidonic acid and protein kinase C in pituitary stimulation by gonadotropin-releasing hormone. Chang JP, et al. **Endocrinology** 1987 May; 120(5):1837–45

Inhibitory effects of exogenously induced hyperprolactinemia on the endogenous cyclic release of luteinizing hormone and prolactin in the estrogen-primed ovariectomized rat. Cohen-Becker IR, et al. **Endocrinology** 1986 Oct; 119(4):1718–25

Neuropeptide Y enhances the release of luteinizing hormone (LH) induced by LH-releasing hormone. Crowley WR, et al. **Endocrinology** 1987 Mar;120(3):941–5

Luteinizing hormone release from chicken pituitary cells: synergism between calcium and protein kinase C and its inhibition by calmodulin antagonists. Davidson JS, et al. **Endocrinology** 1987 Feb;120(2):692–9

Morphological studies of the canine pituitary luteinizing hormone (LH) cells after long-term treatment with the LH-releasing hormone (LHRH) agonist [D-Trp6]LHRH ethylamide. Dubé D, et al. **Endocrinology** 1987 Feb; 120(2):589–94

Chronic morphine treatment enhances the negative and positive feedback effects of estradiol on gonadotropin secretion in ovariectomized rats. Gabriel SM, et al. **Endocrinology** 1987 May;120(5):1799–805

The influence of chronic morphine treatment on the negative feedback regulation of gonadotropin secretion by gonadal steroids. Gabriel SM, et al. **Endocrinology** 1986 Dec; 119(6):2762–7

Endogenous opioid peptides modulate the effect of corticotropin-releasing factor on gonadotropin release in the primate. Gindoff PR, et al. **Endocrinology** 1987 Sep; 121(3):837–42

Agents that decrease gonadotropin-releasing hormone (GnRH) receptor internalization do not inhibit GnRH-mediated gonadotrope desensitization. Gorospe WC, et al. **Endocrinology** 1987 Jan;120(1):222–9

The relationship between gonadotropin-releasing hormone-stimulated luteinizing hormone release and inositol phosphate production: studies with calcium antagonists and protein kinase C activators. Huckle WR, et al. **Endocrinology** 1987 Jan;120(1):160–9

A physiological role for luteinizing hormone release-inhibiting factor of hypothalamic origin. Hwan JC, et al. **Endocrinology** 1987 Sep;121(3):1099–103

Partial purification of a hypothalamic factor that inhibits gonadotropin-releasing hormone-stimulated luteinizing hormone release. Hwan JC, et al. **Endocrinology** 1987 Feb; 120(2):483–90

Modulation of gonadotropin secretion by corticosterone: interaction with gonadal steroids and mechanism of action. Kamel F, et al. **Endocrinology** 1987 Aug;121(2):561–8

Gonadal steroids modulate pulsatile luteinizing hormone secretion by perifused rat anterior pituitary cells. Kamel F, et al. **Endocrinology** 1987 Apr;120(4):1651–7

Effects of luteinizing hormone (LH)-releasing hormone pulse amplitude and frequency on LH secretion by perifused rat anterior pituitary cells. Kamel F, et al. **Endocrinology** 1987 Apr;120(4):1644–50

Desensitization to gonadotropin-releasing hormone in perifused chicken anterior pituitary cells. King JA, et al. **Endocrinology** 1986 Oct;119(4):1510–8

Effect of human growth hormone-releasing hormone on the release of dynorphin-like immunoreactivity, luteinizing hormone, and follicle-stimulating hormone from rat adenohypophysis in vitro. Knepel W, et al. **Endocrinology** 1987 Feb;120(2):732–8

Opiate-serotonin synergism stimulating luteinizing hormone release in estrogen-progesterone-primed ovariectomized rats: mediation by serotonin2 receptors. Lenahan SE, et al. **Endocrinology** 1987 Apr;120(4):1498–502

Mutually independent effects of adrenocorticotropin on luteinizing hormone and testosterone secretion. Mann DR, et al. **Endocrinology** 1987 Apr;120(4):1542–50

Control of gonadotropin secretion in the ovine fetus: the effects of a specific gonadotropin-releasing hormone antagonist on pulsatile luteinizing hormone secretion. Matwijiw I, et al. **Endocrinology** 1987 Jul;121(1):347–51

Corticotropin-releasing factor decreases plasma luteinizing hormone levels in female rats by inhibiting gonadotropin-releasing hormone release into hypophysial-portal circulation. Petraglia F, et al. **Endocrinology** 1987 Mar;120(3):1083–8

Inhibitory action of ethanol on luteinizing hormone secretion by rat anterior pituitary cells in culture. Pohl CR, et al. **Endocrinology** 1987 Mar;120(3):849–52

Comparative biological properties of lamprey gonadotropin-releasing hormone in vertebrates. Sower SA, et al. **Endocrinology** 1987 Feb;120(2):773–9

Effects of catecholamine-depleting agents and receptor blockers on basal and angiotensin II- or norepinephrine-stimulated luteinizing hormone release in female rats. Steele MK, et al. **Endocrinology** 1986 Dec; 119(6):2728–36

Pulsatile luteinizing hormone (LH) release during the progesterone-induced LH surge in the female rhesus monkey. Terasawa E, et al. **Endocrinology** 1987 Jun; 120(6):2265–71

Gonadal-independent activation of enhanced afternoon luteinizing hormone release during pubertal development in the female rat. Urbanski HF, et al. **Endocrinology** 1987 Sep;121(3):907–13

The positive feedback of estradiol on gonadotropin secretion in women with perimenopausal dysfunctional uterine bleeding. Cano A, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Sep;22(5–6):353–8

Studies of gonadotrophin pulsatility and pelvic ultrasound examinations distinguish between isolated premature thelarche and central precocious puberty. Stanhope R, et al. **Eur J Pediatr** 1986 Aug;145(3):190–4

Release rates of catecholamines, GABA and beta-endorphin in the preoptic area and the mediobasal hypothalamus of the rhesus monkey in push-pull perfusates: correlation with blood hormone levels. Fuchs E, et al. **Exp Brain Res** 1986; 65(1):224–8

Effect of an inhibitor of aromatization, 1,4,6 androstatriene-3,17-dione (ATD) on LH release and steroid binding in hypothalamus of adult female rats. Slama A, et al. **Exp Brain Res** 1986;64(3):407–10

Effects of parathyroidectomy in pregnant rats on the luteinizing hormone and follicle-stimulating hormone response to synthetic luteinizing hormone-releasing hormone in the infantile offspring. Fujii T, et al. **Exp Clin Endocrinol** 1986 Jul;87(2):149–56

The inability of oxytocin to influence the secretion of testosterone, prolactin, luteinizing and follicle-stimulating hormone in normal men. Kirilov G, et al. **Exp Clin Endocrinol** 1986 Nov;88(1):115–8

Dopaminergic regulation of gonadotropin levels and pulsatility in normal women. Andersen AN, et al. **Fertil Steril** 1987 Mar;47(3):391–7

Characterizing pituitary response to a gonadotropin-releasing hormone (GnRH) antagonist in monkeys: tonic follicle-stimulating hormone/luteinizing hormone secretion versus acute GnRH challenge tests before, during, and after treatment. Chillik CF, et al. **Fertil Steril** 1987 Sep; 48(3):480–5

Opioid regulation of luteinizing hormone in amenorrheic patients after therapy for induction of ovulation. Nappi C, et al. **Fertil Steril** 1987 Apr;47(4):579–83

Effects of two kinds of chicken luteinizing hormone-releasing hormone (LH-RH), mammalian LH-RH and its analogs on the release of LH and FSH in Japanese quail and chicken. Hattori A, et al. **Gen Comp Endocrinol** 1986 Dec; 64(3):446–55

Specificity of amphibian and reptilian pituitaries for various forms of gonadotropin-releasing hormones in vitro. Licht P, et al. **Gen Comp Endocrinol** 1987 May;66(2):248–55

Effects of temperature and mode of delivery on responses to gonadotropin-releasing hormone by superfused frog pituitaries. Porter DA, et al. **Gen Comp Endocrinol** 1986 Aug;63(2):236–44

Lysine-vasopressin does not affect basal and LH-RH-stimulated LH and FSH release during the menstrual cycle of normal women. Chiodera P, et al. **Gynecol Obstet Invest** 1987;24(1):56–61

Opioid control of luteinizing hormone secretion in patients with hirsutism and hyperandrogenemia. Petraglia F, et al. **Gynecol Obstet Invest** 1987;23(2):117–21

Pharmacologic hypogonadotropism—an advantage for hMG-induced follicular-maturation and succeeding fertilization. Bettendorf G, et al. **Horm Metab Res** 1986 Sep;18(9):656–7

Reversal of the LH response to oestrogen administration after orchidectomy in a male subject with the androgen insensitivity syndrome. Gooren LJ. **Horm Metab Res** 1987 Mar;19(3):138

Postnatal ovary is necessary for the maturation of estradiol-induced luteinizing hormone and prolactin surges in female rats. Watanobe H, et al. **Horm Metab Res** 1987 May;19(5):191–3

Effects of thyroidectomy and thyroxine replacement on the

release of luteinizing hormone and gonadotropin-releasing hormone in vitro. Wang SW, et al. **Horm Res** 1987; 25(4):215–22

The role of novel arachidonic acid metabolites in GnRH action on gonadotrophin release in vitro. Kiesel L, et al. **Hum Reprod** 1986 Sep;1(6):349–52

Endocrine and follicle characteristics of cycles with and without endogenous luteinizing hormone surges during superovulation induction with pulsatile follicle-stimulating hormone. Messinis IE, et al. **Hum Reprod** 1987 Jan; 2(1):11–6

Effect of adrenal steroids on testosterone and luteinizing hormone secretion in the ram. Juniewicz PE, et al. **J Androl** 1987 May–Jun;8(3):190–6

Appraising the instantaneous secretory rates of luteinizing hormone and testosterone in response to selective mu opiate receptor blockade in late pubertal boys. Mauras N, et al. **J Androl** 1987 Jul–Aug;8(4):203–9

Relationship between weaning and secretion of luteinizing hormone, cortisol and transcortin in beef cows. Faltys GL, et al. **J Anim Sci** 1987 May;64(5):1498–505

Endogenous opioid modulation of luteinizing hormone and prolactin secretion in postpartum ewes and cows. Gregg DW, et al. **J Anim Sci** 1986 Sep;63(3):838–47

Effects of 17 beta-estradiol and diets varying in energy on secretion of luteinizing hormone in beef heifers. Imakawa K, et al. **J Anim Sci** 1987 Mar;64(3):805–15

Endocrine changes during restoration of estrous cycles following induction of anestrus by restricted nutrient intake in beef heifers. Imakawa K, et al. **J Anim Sci** 1986 Aug; 63(2):565–71

Gonadotropin releasing hormone-induced secretion of luteinizing hormone during the milk-ejection reflex in the postpartum beef cow. Jaeger JR, et al. **J Anim Sci** 1987 Aug;65(2):543–7

Effects of estradiol-17 beta, naloxone and gonadotropin releasing hormone on postpartum secretion of luteinizing hormone in fall-lambing ewes. Leakakos T, et al. **J Anim Sci** 1987 May;64(5):1484–90

Hypoglycemia alters pulsatile luteinizing hormone secretion in the postpartum beef cow. Rutter LM, et al. **J Anim Sci** 1987 Feb;64(2):479–88

Pituitary responsiveness of mares challenged with GnRH at various stages of the transition into the breeding season. Silvia PJ, et al. **J Anim Sci** 1987 Mar;64(3):790–6

Secretion of luteinizing hormone and follicle stimulating hormone in intact and ovariectomized mares in summer and winter. Thompson DL Jr, et al. **J Anim Sci** 1987 Jan; 64(1):247–53

Opioid inhibition of luteinizing hormone secretion during the postpartum period in suckled beef cows. Whisnant CS, et al. **J Anim Sci** 1986 Nov;63(5):1445–8

Beta-endorphin/beta-lipotropin release and gonadotropin secretion after acute exercise in normal males. Elias AN, et al. **J Appl Physiol** 1986 Dec;61(6):2045–9

Pulsatile luteinizing hormone release in postmenopausal women: effect of chronic bromocriptine administration. Gambacciani M, et al. **J Clin Endocrinol Metab** 1987 Sep; 65(3):465–8

Sex steroids and pulsatile luteinizing hormone release in men. Studies in estrogen-treated agonadal subjects and eugonadal subjects treated with a novel nonsteroidal antiandrogen. Gooren L, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):763–70

Differential control of luteinizing hormone and follicle-stimulating hormone secretion by luteinizing hormone-releasing hormone pulse frequency in man. Gross KM, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):675–80

Diurnal patterns of pulsatile luteinizing hormone secretion in hypothalamic amenorrhea: reproducibility and responses to opiate blockade and an alpha 2-adrenergic agonist. Khoury SA, et al. **J Clin Endocrinol Metab** 1987 Apr; 64(4):755–62

Luteinizing hormone-secreting pituitary tumor: biosynthetic characterization and clinical studies. Klibanski A, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):536–42

The effect of luteal phase estrogen antagonism on luteinizing hormone pulsatility and luteal function in women. Maruncic M, et al. **J Clin Endocrinol Metab** 1987 Jan; 64(1):148–52

Naloxone-induced luteinizing hormone secretion in normal, precocious, and delayed puberty. Petraglia F, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1112–6

Differences in the opioid control of luteinizing hormone secretion between pathological and iatrogenic hyperprolactinemic states. Petraglia F, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):508–12

Parallelism in the luteinizing hormone responses to opioid and dopamine antagonists in hyperprolactinemic women with pituitary microadenoma. Seki K, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1225–8

Estradiol modulates the pulsatile secretion of biologically active luteinizing hormone in man. Veldhuis JD, et al. **J Clin Invest** 1987 Sep;80(3):631–8

Enhanced precision of estrus and luteinizing hormone after progesterone and prostaglandin in heifers. Fogwell RL, et al. **J Dairy Sci** 1986 Aug;69(8):2179–85

Differences in prolactin and LH responses to acute stress between peripuberal and adult male rats. Armario A, et al. **J Endocrinol** 1987 Jan;112(1):9–13

Effects of constant infusion of gonadotrophin-releasing hormone in ovariectomized ewes with hypothalamo-pituitary disconnection: further evidence for differential control of LH and FSH secretion and the lack of a priming effect. Clarke IJ, et al. **J Endocrinol** 1986 Oct; 111(1):43–9

Effects of various inhibitors of phenylethanolamine N-methyltransferase on pulsatile release of LH in ovariectomized rats. Coen CW, et al. **J Endocrinol** 1986 Oct;111(1):51–9

Levels of LH-releasing hormone in hypophysial stalk plasma during an oestrogen-stimulated surge of LH in ovariectomized rats. de Greef WJ, et al. **J Endocrinol** 1987 Mar;112(3):351–9

The involvement of ovarian factors in maintaining the pituitary glands of female rats in a state of low LH responsiveness to LHRH. de Koning J, et al. **J Endocrinol** 1987 Feb;112(2):265–73

Evidence of gonadal steroid-independent changes in activity of the central LH-releasing hormone pulse generator in developing bull calves. D'Occhio MJ, et al. **J Endocrinol** 1986 Oct;111(1):67–73

Effects of modifiers of cytoskeletal structures on the dynamics of release of LH from sheep anterior pituitary cells stimulated with gonadotrophin-releasing hormone, K+ or phorbol ester. McIntosh RP, et al. **J Endocrinol** 1987 Feb;112(2):289–98

Are catechol oestrogens obligatory mediators of oestrogen action in the central nervous system? II. Potencies of natural and synthetic oestrogens for induction of gonadotrophin release and female sexual behaviour in the rat. MacLusky NJ, et al. **J Endocrinol** 1986 Sep; 110(3):499–505

The roles of inhibin and gonadotrophin-releasing hormone in the control of gonadotrophin secretion in the ewe. Martin GB, et al. **J Endocrinol** 1986 Nov;111(2):287–96

Secretion of LH in spontaneously hypertensive rats. Rodriguez-Padilla M, et al. **J Endocrinol** 1987 May; 113(2):255–60

Evidence for reorganization of the neuroendocrine centres regulating pulsatile LH secretion in rats receiving neonatal monosodium-L-glutamate treatment. Rose PA, et al. **J Endocrinol** 1987 May;113(2):261–9

Dissociation between the ovarian factors controlling sexual receptivity and preovulatory secretion of LH in cyclic female rats. Södersten P, et al. **J Endocrinol** 1987 Jan; 112(1):133–8

Effects of lithium and phorbol esters on the dynamics of LH release from dispersed sheep pituitary cells. Starling L, et al. **J Endocrinol** 1986 Oct;111(1):167–73

Changes in FSH and the pulsatile secretion of LH during treatment of ewes with bovine follicular fluid throughout the luteal phase of the oestrous cycle. Wallace JM, et al. **J Endocrinol** 1986 Nov;111(2):317–27

Dependence of GnRH action on Na+, K+, and Ca2+ in the frog, Rana pipiens, pituitary. Porter DA, et al. **J Exp Zool** 1986 Sep;239(3):379–91

Endogenous luteinizing hormone release using human menopausal gonadotropins for in vitro fertilization. Vargyas JM, et al. **J In Vitro Fert Embryo Transfer** 1987 Apr;4(2):107–10

Sustained brain-specific delivery of estradiol causes long-term suppression of luteinizing hormone secretion. Simpkins JW, et al. **J Med Chem** 1986 Oct;29(10):1809–12

Secretory dynamics of bioactive and immunoactive LH during the oestrous cycle of the sheep. Adams TE, et al. **J Reprod Fertil** 1987 Mar;79(2):555–63

A 'window of time' during which testosterone determines the opiatergic control of LH release in the adult male rat. Almeida OF, et al. **J Reprod Fertil** 1987 Jan;79(1):299–305

Gonadotrophin secretion and pituitary responsiveness to LHRH in castrated and intact male rabbits exposed to different photoperiods. Boyd IL. **J Reprod Fertil** 1987 Mar; 79(2):627–33

Effect of betamethasone treatment on luteal lifespan and the LH response to GnRH in dairy cows. Dobson H, et al. **J Reprod Fertil** 1987 May;80(1):25–30

Changes in LH pulse frequency and amplitude in intact mares during the transition into the breeding season. Fitzgerald BP, et al. **J Reprod Fertil** 1987 Mar;79(2):485–93

Hormone responses to low-dose GnRH treatment in post-partum beef cows. Jagger JP, et al. **J Reprod Fertil** 1987 May;80(1):263–9

Pituitary response to LHRH, LH pulsatility and plasma melatonin and prolactin changes in ewe lambs treated with melatonin implants to delay puberty. Kennaway DJ, et al. **J Reprod Fertil** 1986 Sep;78(1):137–48

Some effects of epidermal growth factor on reproductive function in Merino sheep. Radford HM, et al. **J Reprod Fertil** 1987 May;80(1):113–8

Opioid modulation of LH secretion during the oestrous cycle of heifers. Short RE, et al. **J Reprod Fertil** 1987 May; 80(1):213–9

Endurance exercise potentiates the stimulatory influence of oestrogen-progesterone on LH and FSH release in the rat. Todoroff EC, et al. **J Reprod Fertil** 1987 May;80(1):75–80

Neurotransmitter regulation of luteinizing hormone and prolactin secretion. Dailey RA, et al. **J Reprod Fertil [Suppl]** 1987;34:17–26 (59 ref.)

Function of the hypothalamic-hypophysial axis during the post-partum period in ewes and cows. Nett TM. **J Reprod Fertil [Suppl]** 1987;34:201–13 (55 ref.)

The rôle of substances in the affluent blood supply to the adenohypophysis and in the third ventricular fluid and the release of the luteinizing hormone. Porter JC, et al. **J Reprod Fertil [Suppl]** 1970;10:39–49

Peptide-steroid interactions in brain regulation of pulsatile gonadotropin secretion. Negro-Vilar A, et al. **J Steroid Biochem** 1986 Nov;25(5B):741–7

Adrenal C19–5-ene steroids induce full estrogenic responses in rat pituitary gonadotrophs. Simard J, et al. **J Steroid Biochem** 1987 May;26(5):539–46

Ontogeny of gonadotropin secretion in congenital anorchism: sexual dimorphism versus syndrome of gonadal dysgenesis and diagnostic considerations. Lustig RH, et al. **J Urol** 1987 Sep;138(3):587–91

Central, stereoselective receptors mediate the acute effects of opiate antagonists on luteinizing hormone secretion. Blank MS, et al. **Life Sci** 1986 Oct 27;39(17):1493–99

Effects of sequential acute stress exposure on stress-induced pituitary luteinizing hormone and prolactin secretion. Briski KP, et al. **Life Sci** 1987 Sep 7;41(10):1249–55

Naloxone enhances LH but not FSH release during various phases of the estrous cycle in the ewe. Currie WD, et al. **Life Sci** 1987 Sep 7;41(10):1207–14

Stimulation of gonadotropin release by arachidonic acid and its lipoxygenase metabolites in superfused pituitary cells. Kiesel L, et al. **Life Sci** 1987 Mar 2;40(9):847–51

Opiate system involvement in the control of LH secretion in diabetic and normoglycemic male rats. Yogev L, et al. **Life Sci** 1987 Aug 3;41(5):585–90

Dissociation between pituitary GnRH binding sites and LH response to GnRH in vitro. Abbot SD, et al. **Mol Cell Endocrinol** 1986 Dec;48(2–3):191–7

Action mechanism of inhibin in vitro—cycloheximide mimics inhibin actions on pituitary cells. Fukuda M, et al. **Mol Cell Endocrinol** 1987 May;51(1–2):41–50

Stimulation of luteinizing hormone release by melittin and phospholipase A2 in rat pituitary cells. Kiesel L, et al. **Mol Cell Endocrinol** 1987 May;51(1–2):1–6

Oestrogen-induced desensitization to the negative oestrogen feedback. A mechanism involved in the sex-specific control of gonadotrophin secretion during sexual maturation and in adulthood. Döcke F, et al. **Monogr Neural Sci** 1986; 12:36–44

Possible contribution of melatonin to the timing of the luteinizing hormone surge [letter] Brzezinski A, et al. **N Engl J Med** 1987 Jun 11;316(24):1550–1

Permissive role for ornithine decarboxylase and putrescine in the luteinising hormone surge. Aslam M, et al. **Neuroendocrinology** 1987 Jun;45(6):473–8

Interaction between estradiol and a nonsteroidal factor in porcine follicular fluid in regulating LH pulse amplitude between the mornings of diestrus 2 and proestrus in the rat. Babu GN, et al. **Neuroendocrinology** 1986;44(1):8–14

Electrical stimulation of ventral versus dorsal mesencephalic tegmental areas in the conscious rat: effects on luteinizing hormone release. Bergen H, et al. **Neuroendocrinology** 1987 Aug;46(2):117–24

Intrinsic pulsatility of luteinizing hormone release from the human pituitary in vitro. Gambacciani M, et al. **Neuroendocrinology** 1987 May;45(5):402–6

Association of diurnal variations in hypothalamic but not cortical opiate ([3H]-naloxone)-binding sites with the ability of naloxone to induce LH release in the prepubertal female rat. Jacobson W, et al. **Neuroendocrinology** 1986; 44(1):132–5

Morphological evidence that luteinizing hormone-releasing hormone neurons participate in the suppression by estradiol of pituitary luteinizing hormone secretion in ovariectomized rats. King JC, et al. **Neuroendocrinology** 1987 Jan;45(1):1–13

Prolactin alters luteinizing hormone pulsation characteristics in the intact and castrate male rabbit. Larsen JL, et al. **Neuroendocrinology** 1987 Jun;45(6):446–50

Effects of specific activation of mu-, delta- and kappa-opioid receptors on the secretion of luteinizing hormone and prolactin in the ovariectomized rat. Leadem CA, et al. **Neuroendocrinology** 1987 Feb;45(2):109–17

Evidence for multiple serotonergic influences on LH release in ovariectomized rats and for modulation of their relative effectiveness by estrogen. Lenahan SE, et al. **Neuroendocrinology** 1986;44(1):89–94

Loss of estradiol-positive feedback action on LH release during prepubertal period in rats treated postnatally with an opiate antagonist. Lira SA, et al. **Neuroendocrinology** 1986;44(3):331–7

Prolonged sensitisation of pituitary glands in vitro to repeated administration of luteinising hormone-releasing hormone: effects of pulse frequency, ovariectomy, estradiol and progesterone. Nicholson S, et al. **Neuroendocrinology** 1987 Jun;45(6):465–72

Effect of naloxone and morphine on LH and prolactin release in androgen-sterilized rats. Petersen SL, et al. **Neuroendocrinology** 1986;44(1):84–8

Does melatonin alter pituitary responsiveness to gonadotropin-releasing hormone in the ewe? Robinson JE, et al. **Neuroendocrinology** 1986;43(6):635–40

Hyperresponsiveness to the inhibitory action of dopamine agonists on luteinizing hormone secretion in the monosodium-L-glutamate-treated, orchidectomized rat. Rose PA, et al. **Neuroendocrinology** 1986;44(1):95–101

Effect of luliberin on the secretion of the luteinizing hormone depending on the phase of the menstrual cycle in intact and castrated female Papio hamadryas. Todua TN, et al. **Neurosci Behav Physiol** 1987 Mar–Apr;17(2):176–9

Inhibition of the preovulatory LH surge after a catecholestrogen (2-hydroxyestrone) antiserum injection in the third ventricle of cycling female rats. Villard MF, et al. **Neurosci Lett** 1987 Jul 22;78(2):187-92

Pulsatile release of bioactive luteinizing hormone in prepubertal girls: discordance with immunoreactive luteinizing hormone pulses. Reiter EO, et al. **Pediatr Res** 1987 Apr;21(4):409-13

Luteinizing hormone secretion from anterior pituitary cells of the cockerel: evidence for an ultradian rhythm. Chou HF, et al. **Poult Sci** 1987 Apr;66(4):732-40

Synthetic peptide with inhibin-like activity preferentially inhibits follitropin secretion in comparison with lutropin-releasing hormone antagonists. Sairam MR, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):2043-6

Simultaneous measurement of hormone release and secretagogue binding by individual pituitary cells. Smith PF, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5501-5

Opiatergic inhibition of pulsatile luteinizing hormone release during the menstrual cycle of rhesus macaques. Orstead KM, et al. **Proc Soc Exp Biol Med** 1987 Mar;184(3):312-9

Physiological interactions of the basic rest--activity cycle of the brain: pulsatile luteinizing hormone secretion as a model. Rasmussen DD. **Psychoneuroendocrinology** 1986; 11(4):389-405 (148 ref.)

Endogenous opioid peptides and the control of gonadotrophin secretion. Brooks AN, et al. **Res Vet Sci** 1986 Nov;41(3):285-99 (169 ref.)

The human gonadotropic adenoma: pathologic diagnosis and hormonal correlations in 26 tumors. Trouillas J, et al. **Semin Diagn Pathol** 1986 Feb;3(1):42-57

Unexpected effects of nalmefene, a new opiate antagonist, on the hypothalamic-pituitary-gonadal axis in the male rat. Limonta P, et al. **Steroids** 1985 Dec;46(6):955-65

Direct inhibition of gonadotroph function by opiates. Blank MS, et al. **Trans Assoc Am Physicians** 1985;98:1-9

Transcription of an unusual luteinizing hormone beta-subunit-like messenger ribonucleic acid in an alpha-subunit-secreting pituitary adenoma. Jameson JL, et al. **Trans Assoc Am Physicians** 1985;98:198-203

Actions of estradiol on the pulsatile secretion of bioactive luteinizing hormone in man. Veldhuis JD, et al. **Trans Assoc Am Physicians** 1986;99:236-44

[LHRH and LH release in the red fox Vulpes vulpes L] Bonnin M, et al. **C R Acad Sci [III]** 1986;303(13):569-74 (Eng. Abstr.) **(Fre)**

[Active immunization of male pigs against gonadoliberin: effect on the secretion of gonadotropic hormones and on 5 alpha-androst-16-ene-one levels in adipose tissue] Caraty A, et al. **C R Acad Sci [III]** 1986;303(16):673-6 (Eng. Abstr.) **(Fre)**

[Natural substances regulating fertility. Effect of plant extracts in the Ivory Coast pharmacopoeia on the release of LH by hypophyseal cells in culture] Benie T, et al. **C R Soc Biol (Paris)** 1987;181(2):163-7 (Eng. Abstr.) **(Fre)**

[Effects of ovarian wedge resection (WR) and spironolactone administration on pulsatile LH release and serum steroid hormone levels in women with polycystic ovarian disease] Ohkochi T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr;39(4):626-32 (Eng. Abstr.) **(Jpn)**

[Effect of a calcium channel blocker on the hypophyseal secretion of luteinizing hormone in intact and castrated rats of both sexes] Babichev VN, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):354-6 (Eng. Abstr.) **(Rus)**

[The role of heparin in the realization of the effect of various protein hormones] Shapiro FB, et al. **Probl Endokrinol (Mosk)** 1986 Nov-Dec;32(6):62-5 (Eng. Abstr.) **(Rus)**

[Relation between the modulating effect of estradiol on the secretion of the pituitary luteinizing hormone and calcium ions in ovariectomized animals] Sidneva LN, et al. **Probl Endokrinol (Mosk)** 1987 Jan-Feb;33(1):67-70 (Eng. Abstr.) **(Rus)**

[Effect of luliberin on the secretion of luteinizing hormone as a function of the phase of menstrual cycle in intact and castrated female Papio hamadryas] Todua TN, et al. **Probl Endokrinol (Mosk)** 1986 Nov-Dec;32(6):49-52 (Eng. Abstr.) **(Rus)**

[Gonadotropin secretion in congenital adrenal hyperplasia before and during glucocorticoid therapy. Differences between the newborn infant and late onset forms] Medina M, et al. **Rev Invest Clin** 1986 Oct-Dec;38(4):401-6 (Eng. Abstr.) **(Spa)**

STANDARDS

An international collaborative study on the First International Standard of bovine luteinizing hormone for immunoassay. Loeber JG, et al. **J Reprod Fertil** 1987 Jan; 79(1):145-52

URINE

Longitudinal study of testosterone and luteinizing hormone (LH) in relation to spermarche, pubic hair, height and sitting height in normal boys. Nielsen CT, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:98-106

Variations in ambient temperature can lead to incorrect prediction of the luteinizing hormone surge using urinary dipsticks (OvuStick). Robarts P, et al. **Br J Obstet Gynaecol** 1987 May;94(5):486-7

Follitropin and lutropin simultaneously measured in urine with a commercial radioimmunoassay kit. Shaw MA. **Clin Chem** 1987 Sep;33(9):1674-5

Pharmacodynamic effects of levonorgestrel (LNG) administered either orally or subdermally to early postpartum lactating mothers on the urinary levels of follicle stimulating hormone (FSH), luteinizing hormone (LH) and testosterone (T) in their breast-fed male infants. Shikary ZK, et al. **Contraception** 1986 Oct;34(4):403-12

Peak coital rate coincides with onset of luteinizing hormone surge. Hedricks C, et al. **Fertil Steril** 1987 Aug;48(2):234-8

Isoelectrofocusing profiles of human urinary LH and FSH [letter] Manberg PJ. **Fertil Steril** 1987 Aug;48(2):342-3

Monitoring the menstrual cycle of humans and lowland gorillas based on urinary profiles of bioactive follicle-stimulating hormone and steroid metabolites. Dahl KD, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):486-93

Self-prediction of ovulation using a urinary luteinizing hormone test. Corson SL. **J Reprod Med** 1986 Aug;31(8 Suppl):760-3

[Evidence of heterogeneous nature of pituitary LH and urinary LH] Minakami H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Dec; 38(12):2283-4 **(Jpn)**

LH-FSH RELEASING HORMONE

NMR analysis of the conformations of membrane-bound peptides. Wakamatsu K, et al. **Biopolymers** 1986;25 Suppl:S193-200

Synthesis of conjugates between luteinizing hormone releasing hormone (LH-RH) and N-acetyl-muramyl-L-alanyl-D-isoglutamine (MDP) models of totally synthetic vaccines. Bernard JM, et al. **Int J Pept Protein Res** 1987 Apr;29(4):455-63

The delineation of a decapeptide gonadotropin-releasing sequence in the carboxyl-terminal extension of the human gonadotropin-releasing hormone precursor. Milton RC, et al. **J Biol Chem** 1986 Dec 25;261(36):16990-7

ADMINISTRATION & DOSAGE

Gonadotropin responses to low dose pulsatile administration of GnRH in a case of anosmia with hypogonadotropic hypogonadism associated with gonadal dysgenesis 47 XXY. Hazard J, et al. **Acta Endocrinol (Copenh)** 1986 Dec; 113(4):593-7

Long-term administration of gonadotropin-releasing hormone in men with idiopathic hypogonadotropic hypogonadism. A model for studies of the hormone's physiologic effects. Spratt DI, et al. **Ann Intern Med** 1986 Dec;105(6):848-55

Practical aspects of pulsatile LHRH therapy. Armar NA, et al. **Br J Hosp Med** 1987 May;37(5):429-31, 434-6

Effect of injection site on the pharmacokinetics and pharmacodynamics of subcutaneously administered luteinizing hormone releasing hormone. Blunt SM, et al. **Clin Endocrinol (Oxf)** 1986 Nov;25(5):589-96

Is the decrease in the hypophysiotropic signal frequency normally observed during the luteal phase important for menstrual cyclicity in the primate? Lam NY, et al. **Endocrinology** 1987 May;120(5):2044-9

Ovulation induction with pulsatile luteinizing releasing hormone in women with clomiphene citrate-resistant polycystic ovary-like disease: clinical results. Burger CW, et al. **Fertil Steril** 1986 Dec;46(6):1045-54

Pharmacokinetics of intravenous luteinizing hormone-releasing hormone administration in men: effects of various dosages. Fauser BC, et al. **Fertil Steril** 1987 Jan; 47(1):144-9

Short-term pituitary desensitization to luteinizing hormone-releasing hormone (LH-RH) after pulsatile LH-RH administration in women with amenorrhea of suprapituitary origin. Lambalk CB, et al. **Fertil Steril** 1987 Mar;47(3):385-90

Treatment of idiopathic hypogonadotropic hypogonadism in men with luteinizing hormone-releasing hormone: a comparison of treatment with daily injections and with the pulsatile infusion pump. Shargil AA. **Fertil Steril** 1987 Mar; 47(3):492-501

Effects of continuous LHRH infusion on plasma levels of LH and FSH in males, before and after oestrogen or anti-oestrogen treatment. van Bergeijk L, et al. **Horm Metab Res** 1986 Aug;18(8):558-64

Pituitary luteinizing hormone and follicle-stimulating hormone from birth to adulthood in male rabbit. Changes in the pituitary responsiveness to LHRH injection. Berger M, et al. **Horm Res** 1981;15(4):242-51

Short-term pulsatile administration of luteinizing hormone releasing hormone in male adolescents with multiple idiopathic pituitary hormone deficiencies. Partsch CJ, et al. **Horm Res** 1987;25(2):88-96

Influence of age on pulsatile luteinizing hormone release and responsiveness of the gonadotrophs to sex hormone feedback in men. Deslypere JP, et al. **J Clin Endocrinol Metab** 1987 Jan;64(1):68-73

Differential control of luteinizing hormone and follicle-stimulating hormone secretion by luteinizing hormone-releasing hormone pulse frequency in man. Gross KM, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):675-80

[Treatment with LH-RH in female sterility] Caron P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(3):373-7 (Eng. Abstr.) **(Fre)**

[Pulsatile long-term gonadotropin-releasing hormone (GnRH) therapy in the male: natural induction of puberty in a 20-year-old boy] Trost BN. **Schweiz Med Wochenschr** 1986 Dec 13;116(50):1776-9 (Eng. Abstr.) **(Ger)**

[Treatment of hypothalamic amenorrhea by pulsatile infusion of gonadotropin-releasing hormone] Bártfai G, et al. **Orv Hetil** 1987 Jan 11;128(2):73-6 (Eng. Abstr.) **(Hun)**

[Successful treatment of female infertility of hypothalamic origin using pulsed administration of gonadotropin-releasing hormone (LHRH)] Grabiński M, et al. **Ginekol Pol** 1987 Jan;58(1):11-6 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Anaphylactic reaction to synthetic luteinizing hormone-releasing hormone. MacLeod TL, et al. **Fertil Steril** 1987 Sep;48(3):500-2

ANALOGS & DERIVATIVES

The effect of a luteinizing hormone-releasing hormone antagonist on experimental endometriosis in the rat. Jones RC. **Acta Endocrinol (Copenh)** 1987 Mar;114(3):379-82

Testosterone stimulates pituitary and serum FSH in GnRH antagonist-suppressed rats. Rea MA, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):487-92

Suppression of spermatogenesis in a nonhuman primate (Macaca fascicularis) by concomitant gonadotropin-releasing hormone antagonist and testosterone treatment. Weinbauer GF, et al. **Acta Endocrinol (Copenh)** 1987 Jan;114(1):138-46

Gonadotropin-secreting pituitary adenoma with concomitant hypersecretion of testosterone and elevated sperm count. Treatment with LRH agonist. Zárate A, et al. **Acta Endocrinol (Copenh)** 1986 Sep;113(1):29-34

Comparison of the subcutaneous and intranasal administration of an LH-RH antagonist ([N-Ac-D-p-Cl-Phe1,2,D-Trp3,D-Arg6,D-Ala10]-LH-RH) in the rhesus monkey. Asch RH, et al. **Adv Contracept** 1985 Jun;1(2):109-17

Clinical applications of LHRH analogues. Fraser HM, et al. **Baillieres Clin Endocrinol Metab** 1987 Feb;1(1):43-70 (100 ref.)

Potent GnRH agonists containing L-amino acid derivatives in the six position. Seprödi J, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1214-21

Effect of postnatal treatment with a gonadotropin-releasing hormone antagonist on sexual maturation of male rats. Huhtaniemi IT, et al. **Biol Reprod** 1986 Oct;35(3):501-7

Further aspects of gonadotropin-releasing hormone research. Ge LJ, et al. **Biopolymers** 1986;25 Suppl:S255-66

NMR analysis of the conformations of membrane-bound peptides. Wakamatsu K, et al. **Biopolymers** 1986;25 Suppl:S193-200

Orchiectomy versus long-acting D-Trp-6-LHRH in advanced prostatic cancer. Parmar H, et al. **Br J Urol** 1987 Mar;59(3):248-54

Effects of ionizing radiation and pretreatment with [D-Leu6,des-Gly10] luteinizing hormone-releasing hormone ethylamide on developing rat ovarian follicles. Jarrell J, et al. **Cancer Res** 1987 Oct 1;47(19):5005-8

Gonadotropin production and release in female goldfish (Carassius auratus) after administration of pimozide and an LHRH analogue as studied by electron microscopy and radioimmunoassay. Cook H, et al. **Cell Tissue Res** 1987 Mar;247(3):477-82

The effect of LHRH analogs on pregnancy in the baboon. Eley RM. **Contraception** 1987 Apr;35(4):389-93

Effect of (D-Trp6, Pro9-NEt)-GnRH on the function and ultrastructure of pituitary and testis in male rats. Sun YB, et al. **Contraception** 1987 Jan;35(1):79-87

Leuprolide: a gonadotropin-releasing hormone analog for the palliative treatment of prostatic cancer. Wojciechowski NJ, et al. **Drug Intell Clin Pharm** 1986 Oct;20(10):746-51

Mechanisms of action of gonadotropin releasing hormone on rat granulosa cells. Kawai Y, et al. **Endocr Res** 1986; 12(3):195-209

Pulsatile follicle-stimulating hormone secretion is independent of luteinizing hormone-releasing hormone (LHRH): pulsatile replacement of LHRH bioactivity in LHRH-immunoneutralized rats. Culler MD, et al. **Endocrinology** 1987 May;120(5):2011-21

Morphological studies of the canine pituitary luteinizing hormone (LH) cells after long-term treatment with the LH-releasing hormone (LHRH) agonist [D-Trp6]LHRH ethylamide. Dubé D, et al. **Endocrinology** 1987 Feb; 120(2):589-94

Hormonal regulation of the peripubertal surge of insulin-like growth factor-I in the rat. Handelsman DJ, et al. **Endocrinology** 1987 Feb;120(2):491-6

Desensitization to gonadotropin-releasing hormone in perifused chicken anterior pituitary cells. King JA, et al. **Endocrinology** 1986 Oct;119(4):1510-8

Compensatory response of the luteinizing-hormone (LH)-releasing hormone (LHRH)/LH pulse generator after administration of a potent LHRH antagonist in the ram. Lincoln GA, et al. **Endocrinology** 1987 Jun; 120(6):2245-50

Control of gonadotropin secretion in the ovine fetus: the effects of a specific gonadotropin-releasing hormone antagonist on pulsatile luteinizing hormone secretion.

Matwijiw I, et al. **Endocrinology** 1987 Jul;121(1):347-51

Pituitary binding and internalization of radioiodinated gonadotropin-releasing hormone agonist and antagonist ligands in vitro and in vivo. Wynn PC, et al. **Endocrinology** 1986 Oct;119(4):1852-63

Treatment of prostatic cancer with a depot form of a luteinizing hormone-releasing hormone analogue. Giuliani L, et al. **Eur Urol** 1986;12(6):390-4

Computer-aided design and physiological testing of a luteinising hormone-releasing hormone analogue for 'adjuvant-free' immunocastration. Morrison CA, et al. **FEBS Lett** 1987 Apr 6;214(1):65-70

Decreased ovarian response to human menopausal gonadotropin caused by subcutaneously administered gonadotropin-releasing hormone agonist. Barnes RB, et al. **Fertil Steril** 1987 Mar;47(3):512-5

Induction of ovulation in polycystic ovary syndrome with a combination of a luteinizing hormone-releasing hormone analog and exogenous gonadotropins. Charbonnel B, et al. **Fertil Steril** 1987 Jun;47(6):920-4

Characterizing pituitary response to a gonadotropin-releasing hormone (GnRH) antagonist in monkeys: tonic follicle-stimulating hormone/luteinizing hormone secretion versus acute GnRH challenge tests before, during, and after treatment. Chillik CF, et al. **Fertil Steril** 1987 Sep; 48(3):480-5

Prevention of gonadotropin-releasing hormone antagonist induced luteal regression by concurrent exogenous pulsatile gonadotropin administration in monkeys. Collins RL, et al. **Fertil Steril** 1986 Nov;46(5):945-53

Endometrial morphology after 6 months of continuous treatment with a new gonadotropin-releasing hormone superagonist for contraception. Gudmundsson JA, et al. **Fertil Steril** 1987 Jul;48(1):52-6

Monthly implant of luteinizing hormone-releasing hormone agonist: a practical therapeutic approach for sex-steroid dependent gynecologic diseases. Lemay A. **Fertil Steril** 1987 Jul;48(1):10-2

Treatment of leiomyomata uteri with D-Trp6-luteinizing hormone-releasing hormone. Perl V, et al. **Fertil Steril** 1987 Sep;48(3):383-9

Serum levels of cholesterol and lipoproteins in rhesus monkeys: comparison of the effect of gonadotropin-releasing hormone agonist and the progestin, levonorgestrel. Schleicher RL, et al. **Fertil Steril** 1987 Apr; 47(4):710-3

Effects of [D-Ala6, Pro9-NEt]-LHRH and catecholaminergic drugs on gonadotropin secretion and ovulation in the Chinese loach (Paramisgurnus dabryanus). Lin HR, et al. **Gen Comp Endocrinol** 1986 Dec;64(3):389-95

Activity of position-8-substituted analogs of mammalian gonadotropin-releasing hormone (mGnRH) and chicken and lamprey gonadotropin-releasing hormones in goldfish. Peter RE, et al. **Gen Comp Endocrinol** 1987 Mar; 65(3):385-93

Long-acting agonists of LH-RH in the treatment of large ovarian endometriomas. Cortes-Prieto J, et al. **Int J Fertil** 1987 Jul-Aug;32(4):290-7

Antifertility effects of a potent LH-RH antagonist in male and female rats. Debeljuk L, et al. **Int J Fertil** 1986 Sep-Oct;31(4):284-92

Synthesis of 14C-labelled peptides by asymmetric reduction of dehydroamino acids. Parnes H, et al. **Int J Pept Protein Res** 1986 Oct;28(4):403-10

Symposium on the development of a drug: LHRH agonists. Boston, Massachusetts, April 27 to May 2, 1985. **J Androl** 1987 Jan-Feb;8(1):S1-32

Animal pharmacology and safety studies with an LHRH agonist. Corbin A, et al. **J Androl** 1987 Jan-Feb;8(1):S9-13

Clinical development of nafarelin acetate. Phase I and phase II studies. Hoffman PG, et al. **J Androl** 1987 Jan-Feb; 8(1):S17-22

Design of LHRH agonist drug candidates. Nestor JJ Jr. **J Androl** 1987 Jan-Feb;8(1):S4-8

Phase III studies in prostatic cancer with leuprolide acetate. Seely JH. **J Androl** 1987 Jan-Feb;8(1):S23-6

Pharmaceutical aspects. Nasal and depot formulations of leuprolide. Shimamoto T. **J Androl** 1987 Jan-Feb; 8(1):S14-6

Reversal of testicular function after prolonged suppression with an LHRH agonist in rhesus monkeys. Sundaram K, et al. **J Androl** 1987 Mar-Apr;8(2):103-7

Dynamics of plasma gonadotropin and sex steroid release in polycystic ovarian disease after pituitary-ovarian inhibition with an analog of gonadotropin-releasing hormone. Calogero AE, et al. **J Clin Endocrinol Metab** 1987 May;64(5):980-5

Sustained inhibitory actions of a potent antagonist of gonadotropin-releasing hormone in postmenopausal women. Davis MR, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1268-74

The effect of leuprolide acetate on ovulation induction with human menopausal gonadotropins in polycystic ovary syndrome. Dodson WC, et al. **J Clin Endocrinol Metab** 1987 Jul;65(1):95-100

Effect of a GnRH analogue (leuprolide) on benign prostatic hypertrophy. Gabrilove JL, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1331-3

Increased bone turnover during gonadotropin-releasing hormone superagonist-induced ovulation inhibition. Gudmundsson JA, et al. **J Clin Endocrinol Metab** 1987 Jul; 65(1):159-63

Treatment of endometriosis in monkeys: effectiveness of continuous infusion of a gonadotropin-releasing hormone agonist compared to treatment with a progestational steroid. Mann DR, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1277-83

Dose-dependent inhibition of pituitary-ovarian function during administration of a gonadotropin-releasing hormone agonistic analog (nafarelin). Monroe SE, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1334-41

Gonadotropins and testosterone escape from suppression during prolonged luteinizing hormone-releasing hormone antagonist administration in normal men. Pavlou SN, et al. **J Clin Endocrinol Metab** 1987 May;64(5):1070-4

Suppression of pituitary-gonadal function by a potent new luteinizing hormone-releasing hormone antagonist in normal men. Pavlou SN, et al. **J Clin Endocrinol Metab** 1987 May;64(5):931-6

Lack of a direct effect of gonadotropin hormone-releasing hormone agonist on human testicular steroidogenesis. Rajfer J, et al. **J Clin Endocrinol Metab** 1987 Jan;64(1):62-7

The rapid ovarian secretory response to pituitary stimulation by the gonadotropin-releasing hormone agonist nafarelin in sexual precocity. Rosenfield RL, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1386-9

D-Trp6-luteinizing hormone-releasing hormone inhibits sulpiride-induced hyperprolactinemia in normal men. Rubio MA, et al. **J Clin Endocrinol Metab** 1987 Aug; 65(2):368-9

Effects of an LH-releasing hormone antagonist on the secretion of LH, FSH, prolactin and ovarian steroids at different stages of the luteal phase in the stumptailed macaque (Macaca arctoides). Fraser HM, et al. **J Endocrinol** 1986 Oct;111(1):83-90

Inhibition of first ovulation: administration of an LHRH antagonist to immature female rats. Meijs-Roelofs HM, et al. **J Endocrinol** 1987 Mar;112(3):407-15

Structure-activity studies of antagonists of luteinizing hormone-releasing hormone with emphasis on the amino-terminal region. Hocart SJ, et al. **J Med Chem** 1987 Apr;30(4):735-9

Effect of reductive alkylation of D-lysine in position 6 on the histamine-releasing activity of luteinizing hormone-releasing hormone antagonists. Hocart SJ, et al. **J Med Chem** 1987 Apr;30(4):739-43

Intranasal nafarelin: an LH-RH analogue treatment of gonadotropin-dependent precocious puberty. Lin TH, et al. **J Pediatr** 1986 Dec;109(6):954-8

Advantages of the combination therapy in previously untreated and treated patients with advanced prostate cancer. Labrie F, et al. **J Steroid Biochem** 1986 Nov; 25(5B):877-83

Inhibition of pituitary-gonadal function in male rats by a potent GnRH antagonist. Puente M, et al. **J Steroid Biochem** 1986 Dec;25(6):917-25

Long-term suppression of luteinizing hormone, follicle-stimulating hormone and testosterone by daily administration of leuprolide. Glode LM, et al. **J Urol** 1987 Jan;137(1):57-60

LHRH analogues for contraception [editorial] **Lancet** 1987 May 23;1(8543):1179-81

LHRH analogues and bone loss [letter] Devogelaer JP, et al. **Lancet** 1987 Jun 27;1(8548):1498

Rapid reduction of uterine myomas after short-term treatment with microencapsulated D-Trp6-LHRH [letter] van Leusden HA. **Lancet** 1986 Nov 22;2(8517):1213

Sensitivity differences in reproductive/endocrine organs to chronically administered LHRH agonists in female rats. Phillips A, et al. **Life Sci** 1987 Apr 6;40(14):1379-89

Administration of an LHRH-antagonist to male mice: effects on in vivo secretion of hormones and on the growth of a transplantable human prostatic carcinoma. van Steenbrugge GJ, et al. **Life Sci** 1987 Mar 30;40(13):1335-43

Blockade of rat testicular gonadotropin releasing hormone (GnRH) receptors by infusion of a GnRH antagonist has no major effects of Leydig cell function in vivo. Huhtaniemi IT, et al. **Mol Cell Endocrinol** 1987 Feb; 49(2-3):89-97

Electrophysiological test of an amphiphilic beta-structure in LHRH action. Pan JT, et al. **Mol Cell Endocrinol** 1986 Dec;48(2-3):161-6

The effect of nafarelin acetate, a luteinizing-hormone-releasing hormone agonist, on benign prostatic hyperplasia. Peters CA, et al. **N Engl J Med** 1987 Sep 3;317(10):599-604

Investigation of the influence of a cyclic luliberin analog on ovulation. Korkhov VV, et al. **Neurosci Behav Physiol** 1986 Nov-Dec;16(6):516-9

Luteal hypoplasia and induced ovulation in cows. Ohnami Y, et al. **Nippon Juigaku Zasshi** 1986 Oct;48(5):863-71

Recurrent anaphylaxis in menstruating women: treatment with a luteinizing hormone-releasing hormone agonist--a preliminary report. Slater JE, et al. **Obstet Gynecol** 1987 Oct;70(4):542-6

Treatment of endometriosis with a long-acting gonadotropin-releasing hormone agonist. Steingold KA, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):403-11

Receptor-mediated uptake of GnRH agonist and antagonists by cultured gonadotropes: evidence for differential intracellular routing. Jennes L, et al. **Peptides** 1986 May-Jun;7(3):459-63

Identification of His5,Trp7,Tyr8-GnRH (chicken GnRH II) in amphibian brain. King JA, et al. **Peptides** 1986 Sep-Oct; 7(5):827-34

Identification of Gln8-GnRH and His5,Trp7,Tyr8-GnRH in the hypothalamus and extrahypothalamic brain of the ostrich (Struthio camelus). Powell RC, et al. **Peptides** 1987 Jan-Feb;8(1):185-90

Treatment of nitrosamine-induced pancreatic tumors in hamsters with analogs of somatostatin and luteinizing hormone-releasing hormone. Paz-Bouza JI, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):1112-6

Combination of a long-acting delivery system for luteinizing hormone-releasing hormone agonist with Novantrone chemotherapy: increased efficacy in the rat prostate cancer model. Schally AV, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8764-8

Protective effects of analogs of luteinizing hormone-releasing hormone against x-radiation-induced testicular damage in rats. Schally AV, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(3):851-5

Peptide contraception by inhibition of ovulation with intranasal GnRH superagonist: clinical and metabolic aspects. Gudmundsson JA, et al. **Prog Clin Biol Res** 1986; 225:337-51 (52 ref.)

Hormonal management of cycle disturbances. Shaw RW. **Prog Clin Biol Res** 1986;225:429-42 (40 ref.)

Differential inhibition of human placental prostaglandin release in vitro by a GnRH antagonist. Siler-Khodr TM, et al. **Prostaglandins** 1986 Jun;31(6):1003-10

Role of adrenal androgens in prostate regression in rats treated with an antiandrogen and an LHRH agonist. Foldesy RG, et al. **Prostate** 1986;9(3):227-35

Kinetic evaluation of the effect of LHRH analog on prostatic cancer using transrectal ultrasonotomography. Kojima M, et al. **Prostate** 1987;10(1):11-7

Phase II trial with D-Trp-6-LH-RH in prostatic carcinoma: comparison with other hormonal agents. Mathé G, et al. **Prostate** 1986;9(4):327-42

Histological findings in the rat prostate cancer model during treatment with a luteinizing hormone-releasing hormone agonist and novantrone. Paz-Bouza JI, et al. **Prostate** 1987; 10(4):291-302

Effects of a long-acting LHRH agonist preparation on plasma gonadotropin and prolactin levels in castrated male rats and on the release of prolactin from ectopic pituitaries. Sellers KJ, et al. **Regul Pept** 1986 Oct;15(3):219-28

Effect of [D-Trp6]LHRH infusion on prolactin secretion by perifused rat pituitary cells. Torres-Aleman I, et al. **Regul Pept** 1987 Jul;18(1):19-28

Relative potencies of antagonists of the luteinizing hormone releasing hormone with Lys8 and Arg8 and substitutions in positions 3, 5, 6, 7 and 8. Folkers K, et al. **Z Naturforsch [C]** 1986 Nov-Dec;41(11-12):1087-91

[Regulation of the reproductive functions of cows by hormonal preparations] Nikolov I, et al. **Vet Med Nauki** 1986;23(5):86-91 (Eng. Abstr.) **(Bul)**

[Advanced cancer of the prostate. Treatment with an LH-RH agonist, D-Trp-6-LH-RH] Mathé G, et al. **Bull Cancer (Paris)** 1986;73(1):31-5 (Eng. Abstr.) **(Fre)**

[Ovulation induction by combining gonadotropins with an analog of gonadorelin (letter)] Charbonnel B, et al. **Presse Med** 1986 Nov 29;15(42):2115 **(Fre)**

[Hypophyseal blockage by a gonadorelin analogue, D-Trp6-LHRH retard, to improve induction of ovulation (letter)] Fenichel P, et al. **Presse Med** 1986 Dec 6; 15(43):2167 **(Fre)**

[Value of short-term use of a gonadorelin analog in an in vitro fertilization program (letter)] Lopes P, et al. **Presse Med** 1986 Nov 22;15(41):2074 **(Fre)**

[Orienting studies on the ovulation-inducing effect of the gonadotrophin-releasing analog D-Phe6-LH-RH in rabbits] Bechstedt U, et al. **Arch Exp Veterinarmed** 1987 Mar;41(2):285-92 (Eng. Abstr.) **(Ger)**

[Decapeptyl (D-Trp6-LH-RH) in the therapy of prostatic cancer with reference to the intramuscular administration of a depot preparation] Seppelt U, et al. **Urologe [A]** 1986 Sep;25(5):298-301 (Eng. Abstr.) **(Ger)**

[The use of agonist analogues of luteinizing hormone—releasing hormone in the treatment of prostatic carcinoma] Gez E, et al. **Harefuah** 1987 Mar 1; 112(5):239-41 (36 ref.) **(Heb)**

[Homologues of gonadotropin releasing factors] Agostino A, et al. **Clin Ter** 1987 Mar 15;120(5):427-32 (12 ref.) (Eng. Abstr.) **(Ita)**

[Effects of intranasal administration of LHRH superanalogue on endogenous LHRH and gonadotropins in humans] Matsubara M. **Nippon Naibunpi Gakkai Zasshi** 1986 Aug 20;62(8):837-42 (Eng. Abstr.) **(Jpn)**

[Luliberin analogs--a new class of contraceptive agents] Lupanova GE, et al. **Farmakol Toksikol** 1986 Nov-Dec; 49(6):100-3 (54 ref.) **(Rus)**

[Treatment of carcinoma of the prostate with analogs of LHRH] Rubio Herrera MA, et al. **Rev Clin Esp** 1986 Nov; 179(8):407-11 (Eng. Abstr.) **(Spa)**

ANALYSIS

Electron microscopic cytochemistry of catecholaminergic innervation of LHRH neurons in the medial preoptic area of the rat. Watanabe T, et al. **Arch Histol Jpn** 1987 Mar; 50(1):103-12

TRH and LH-RH distribution in discrete nuclei of the human hypothalamus: evidence for a left prominence of TRH. Borson-Chazot F, et al. **Brain Res** 1986 Sep 24;382(2):433-6

Amphibian terminal nerve: distribution revealed by LHRH

and AChE markers. Wirsig CR, et al. **Brain Res** 1986 Oct 15;385(1):10–21

Development of specific antisera and a radioimmunoassay procedure for the gonadotropin-releasing hormone associated peptide (GAP) of the LHRH prohormone. Culler MD, et al. **Brain Res Bull** 1986 Aug;17(2):219–23

Immunohistochemical demonstration of serotonergic and peptidergic nerve fibers in the subcommissural organ of the dog. Matsuura T, et al. **Cell Tissue Res** 1987 May; 248(2):287–95

Studies on LHRH and physiological fluid amino acids in human colostrum and milk. Nair RM, et al. **Endocrinol Exp (Bratisl)** 1987 Mar;21(1):23–30

A radioimmunoassay for human pro-luteinizing hormone-releasing factor [pro-LRF(14–69)OH]. Motoyama A, et al. **Endocrinol Jpn** 1987 Feb;34(1):133–7

Diverse molecular forms of gonadotropin-releasing hormone in an elasmobranch and a teleost fish. Powell RC, et al. **Gen Comp Endocrinol** 1986 Jul;63(1):77–85

Blocking enzyme linked immunosorbent assay additivity test for analysis of conformational or sequential recognition of monoclonal anti-luteinizing hormone releasing hormone (LHRH) antibodies. Singh V. **Indian J Exp Biol** 1986 Nov; 24(11):687–91

Antibody–antibody competition technique for epitope analysis: studies on characteristics of epitope recognized by monoclonal anti-luteinizing hormone releasing hormone (LHRH) antibodies. Singh V. **Indian J Exp Biol** 1986 Apr; 24(4):209–12

Localization of luteinizing hormone-releasing hormone (LHRH) neurons that project to the median eminence. Silverman AJ, et al. **J Neurosci** 1987 Aug;7(8):2312–9

Morphological evidence that luteinizing hormone-releasing hormone neurons participate in the suppression by estradiol of pituitary luteinizing hormone secretion in ovariectomized rats. King JC, et al. **Neuroendocrinology** 1987 Jan;45(1):1–13

Immunohistochemical demonstration of proGnRH and GnRH in the preoptic-basal hypothalamus of the primate. Ronnekleiv OK, et al. **Neuroendocrinology** 1987 Jun; 45(6):518–21

Immunocytochemical localization of the gonadotropin-releasing hormone-associated peptide of the LHRH precursor. Sar M, et al. **Neuroendocrinology** 1987 Feb;45(2):172–5

Hypothalamic localization of multiunit electrical activity associated with pulsatile LH release in the rhesus monkey. Silverman AJ, et al. **Neuroendocrinology** 1986;44(2):168–71

Electron microscopic demonstration of luteinizing hormone-releasing hormone (LH-RH) by the immunogold staining method. Gajkowska B. **Neuropatol Pol** 1986; 24(2):283–9

Interrelationship of monoamines and luliberin in the synaptosomes of the medial-basal hypothalamus and its individual structures. Babichev VN, et al. **Neurosci Behav Physiol** 1986 Nov–Dec;16(6):520–4

Nicotine-induced increases in brain luteinizing hormone releasing hormone-like immunoreactivity and in serum luteinizing hormone levels of the male rat. Andersson K, et al. **Neurosci Lett** 1986 Nov 21;71(3):289–92

Acetylcholinesterase and luteinizing hormone-releasing hormone distinguish separate populations of terminal nerve neurons. Wirsig CR, et al. **Neuroscience** 1986 Nov; 19(3):719–40

Changes in populations of LHRH-immunopositive cell bodies following gonadectomy. King JC, et al. **Peptides** 1987 Jul–Aug;8(4):721–35

GnRH-prohormone-containing neurons in the primate brain: immunostaining for the GnRH-associated peptide. Song T, et al. **Peptides** 1987 Mar–Apr;8(2):335–46

Maturation of luteinizing hormone-releasing hormone (LHRH) and somatostatin (SRIF) neuronal systems in the hypothalamus of growing ewe lambs. Polkowska J, et al. **Reprod Nutr Dev** 1987;27(3):627–39

[Different immunoreactive forms of hypothalamic LHRH] Gautron JP, et al. **Ann Endocrinol (Paris)** 1986;47(1):28–34 (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

The effect of a luteinizing hormone-releasing hormone antagonist on experimental endometriosis in the rat. Jones RC. **Acta Endocrinol (Copenh)** 1987 Mar;114(3):379–82

Testosterone stimulates pituitary and serum FSH in GnRH antagonist-suppressed rats. Rea MA, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):487–92

Comparison of the subcutaneous and intranasal administration of an LH-RH antagonist ([N-Ac-D-p-Cl-Phe1,2,D-Trp3,D-Arg6,D-Ala10]-LH-RH) in the rhesus monkey. Asch RH, et al. **Adv Contracept** 1985 Jun;1(2):109–17

Wheat germ agglutinin behaves as a GnRH antagonist but induces gonadotrope desensitization. Schvartz I, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):750–7

Nuclear magnetic resonance analysis and conformational characterization of a cyclic decapeptide antagonist of gonadotropin-releasing hormone. Baniak EL 2d, et al. **Biochemistry** 1987 May 5;26(9):2642–56

Effects of a potent antagonist to gonadotropin-releasing hormone on male rats: luteinizing hormone is suppressed more than follicle-stimulating hormone. Kartun K, et al. **Biol Reprod** 1987 Feb;36(1):103–8

Suppression of luteal function by a luteinizing hormone-releasing hormone antagonist during the early luteal phase in the stumptailed macaque monkey and the effects of subsequent administration of human chorionic gonadotropin. Fraser HM, et al. **Endocrinology** 1987 Aug; 121(2):612–8

A physiological role for luteinizing hormone release-inhibiting factor of hypothalamic origin. Hwan JC, et al. **Endocrinology** 1987 Sep;121(3):1099–103

Partial purification of a hypothalamic factor that inhibits gonadotropin-releasing hormone-stimulated luteinizing hormone release. Hwan JC, et al. **Endocrinology** 1987 Feb; 120(2):483–90

Compensatory response of the luteinizing-hormone (LH)-releasing hormone (LHRH)/LH pulse generator after administration of a potent LHRH antagonist in the ram. Lincoln GA, et al. **Endocrinology** 1987 Jun; 120(6):2245–50

Control of gonadotropin secretion in the ovine fetus: the effects of a specific gonadotropin-releasing hormone antagonist on pulsatile luteinizing hormone secretion. Matwijiw I, et al. **Endocrinology** 1987 Jul;121(1):347–51

Inhibitory action of ethanol on luteinizing hormone secretion by rat anterior pituitary cells in culture. Pohl CR, et al. **Endocrinology** 1987 Mar;120(3):849–52

Characterizing pituitary response to a gonadotropin-releasing hormone (GnRH) antagonist in monkeys: tonic follicle-stimulating hormone/luteinizing hormone secretion versus acute GnRH challenge tests before, during, and after treatment. Chillik CF, et al. **Fertil Steril** 1987 Sep; 48(3):480–5

Antifertility effects of a potent LH-RH antagonist in male and female rats. Debeljuk L, et al. **Int J Fertil** 1986 Sep–Oct;31(4):284–92

Gonadotropin-releasing hormone (GnRH)-binding sites in human breast cancer cell lines and inhibitory effects of GnRH antagonists. Eidne KA, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):425–32

Suppression of pituitary-gonadal function by a potent new luteinizing hormone-releasing hormone antagonist in normal men. Pavlou SN, et al. **J Clin Endocrinol Metab** 1987 May;64(5):931–6

Effects of an LH-releasing hormone antagonist on the secretion of LH, FSH, prolactin and ovarian steroids at different stages of the luteal phase in the stumptailed macaque (Macaca arctoides). Fraser HM, et al. **J Endocrinol** 1986 Oct;111(1):83–90

Inhibition of first ovulation: administration of an LHRH antagonist to immature female rats. Meijs-Roelofs HM, et al. **J Endocrinol** 1987 Mar;112(3):407–15

Synthetic peptide with inhibin-like activity preferentially inhibits follitropin secretion in comparison with lutropin-releasing hormone antagonists. Sairam MR, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):2043–6

Differential inhibition of human placental prostaglandin release in vitro by a GnRH antagonist. Siler-Khodr TM, et al. **Prostaglandins** 1986 Jun;31(6):1003–10

Role of adrenal androgens in prostate regression in rats treated with an antiandrogen and an LHRH agonist. Foldesy RG, et al. **Prostate** 1986;9(3):227–35

BLOOD

Reevaluation of immunoreactive gonadotropin-releasing hormone (GnRH) levels in general circulation in women: changes in levels and episodic patterns before, during and after gonadotropin surges. Araki S, et al. **Endocrinol Jpn** 1986 Aug;33(4):457–68

Effects of dopaminergic agonists on plasma luteinizing hormone-releasing hormone (LRH) and gonadotropins in man. Matsubara M, et al. **Horm Metab Res** 1987 Jan; 19(1):31–4

Levels of LH-releasing hormone in hypophysial stalk plasma during an oestrogen-stimulated surge of LH in ovariectomized rats. de Greef WJ, et al. **J Endocrinol** 1987 Mar;112(3):351–9

[Observations on the relationship between "kidney deficiency" and changes in gonadal function in women with amenorrhea and oligomenorrhea] Liao DL, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Oct;6(10):590–2, 580 (Eng. Abstr.) **(Chi)**

[Augmentation, by naloxone, of the frequency and amplitude of LH-RH pulses in hypothalamo-hypophyseal portal blood in the castrated ram] Caraty A, et al. **C R Acad Sci [III]** 1987;305(9):369–74 (Eng. Abstr.) **(Fre)**

[Effects of intranasal administration of LHRH superanalogue on endogenous LHRH and gonadotropins in humans] Matsubara M. **Nippon Naibunpi Gakkai Zasshi** 1986 Aug 20;62(8):837–42 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

Potent GnRH agonists containing L-amino acid derivatives in the six position. Seprődi J, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1214–21

Histidine racemization in the synthesis of an analog of the luteinizing hormone releasing factor. Investigation by HPLC and enzymatic methods. Pipkorn R, et al. **Int J Pept Protein Res** 1986 Jun;27(6):583–8

DEFICIENCY

Osteoporosis in men with idiopathic hypogonadotropic hypogonadism. Finkelstein JS, et al. **Ann Intern Med** 1987 Mar;106(3):354–61

DIAGNOSTIC USE

Pituitary response to LHRH in long-term users of injectable contraceptives. Ismail AA, et al. **Contraception** 1987 May; 35(5):487–95

An inexpensive method for assessing pituitary response to luteinizing hormone releasing hormones: analysis of serum gonadotropins in pooled samples. Tiwary CM. **Horm Metab Res** 1986 Sep;18(9):616–20

Luteinizing hormone pulsatile secretion and pituitary response to gonadotropin releasing hormone and to thyrotropin releasing hormone in male epileptic subjects on chronic phenobarbital treatment. Murialdo G, et al. **J Endocrinol Invest** 1987 Feb;10(1):27–31

Abnormal growth hormone release following luteinizing hormone releasing hormone in anorexia nervosa. Maeda K, et al. **Jpn J Psychiatry Neurol** 1987 Mar;41(1):41–5

Paradoxical responses of plasma cortisol, adrenocorticotropic hormone and growth hormone to thyrotropin-releasing hormone and luteinizing-hormone-releasing hormone in anorexia nervosa patients. Tamai H, et al. **Psychother Psychosom** 1986;46(3):147–51

[Clinical use of Gonadorelin as a diagnostic agent in one- and two-step tests] Vesper B, et al. **Zentralbl Gynakol** 1986; 108(23):1442–52 (Eng. Abstr.) **(Ger)**

[Diagnostic value of the luliberin test with patients with polycystic ovaries] Tudose TI, et al. **Probl Endokrinol (Mosk)** 1986 Jul–Aug;32(4):36–40 (Eng. Abstr.) **(Rus)**

[Sensitivity of the pituitary gland of women with prolactin-secreting adenomas to thyroliberin and luliberin] Potin VV, et al. **Vestn Akad Med Nauk SSSR** 1987;(1):72–7 (Eng. Abstr.) **(Rus)**

GENETICS

Structural and functional evolution of gonadotropin-releasing hormone. Millar RP, et al. **Int Rev Cytol** 1987;106:149–82 (164 ref.)

Antibodies to the binding site of the receptor for luteinizing hormone-releasing hormone (LHRH): generation with a synthetic decapeptide encoded by an RNA complementary to LHRH mRNA. Mulchahey JJ, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9714–8

The mammalian GnRH gene and its pivotal role in reproduction. Seeburg PH, et al. **Recent Prog Horm Res** 1987;43:69–98 (41 ref.)

Two mammalian genes transcribed from opposite strands of the same DNA locus. Adelman JP, et al. **Science** 1987 Mar 20;235(4795):1514–7

A deletion truncating the gonadotropin-releasing hormone gene is responsible for hypogonadism in the hpg mouse. Mason AJ, et al. **Science** 1986 Dec 12;234(4782):1366–71

IMMUNOLOGY

Structural requirement for the recognition of luteinizing hormone releasing hormone (LHRH) by monoclonal and conventional anti-LHRH antibodies. Singh V. **Biochem Cell Biol** 1986 Dec;64(12):1372–7

Histamine-immunostaining in the rat median eminence: an unexpected form of cross-reactivity with LH-RH. Berkenbosch F, et al. **Brain Res** 1987 Mar 10;405(2):353–7

Preparation of a monoclonal antibody to common amino acid sequence of LHRH and its application. Park MK, et al. **Endocrinol Jpn** 1986 Apr;33(2):257–72

Computer-aided design and physiological testing of a luteinising hormone-releasing hormone analogue for 'adjuvant-free' immunocastration. Morrison CA, et al. **FEBS Lett** 1987 Apr 6;214(1):65–70

Effect of active immunization against LHRH or LH in boars: reproductive consequences and performance traits. Falvo RE, et al. **J Anim Sci** 1986 Sep;63(3):986–94

Elevation of plasma immunoreactive luteinizing hormone releasing hormone in hyperprolactinemic-amenorrheic women on bromocriptine therapy. Elkind-Hirsch KE, et al. **J Reprod Med** 1987 Jan;32(1):5–9

ISOLATION & PURIFICATION

Purification of FSH-releasing factor: its dissimilarity from LHRH of mammalian, avian, and piscian origin. Lumpkin MD, et al. **Brain Res Bull** 1987 Feb;18(2):175–8

Identification of diverse molecular forms of GnRH in reptile brain. Powell RC, et al. **Peptides** 1986 Nov–Dec; 7(6):1101–8

Purification and characterization of luteinizing hormone-releasing hormone from codfish brain. Wu P, et al. **Regul Pept** 1986 Nov;15(4):311–21

METABOLISM

Hypothalamic GnRH-like bioactivity and immunoreactivity in prepubertal and adult male rats. Bourguignon JP, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:188–95

Exaggerated gonadotropin response to luteinizing hormone-releasing hormone in amenorrheic runners. Yahiro J, et al. **Am J Obstet Gynecol** 1987 Mar; 156(3):586–91

Differences between in vitro and in vivo degradation of LHRH by rat brain and other organs. Carone FA, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):E317–21

Effects of D-amino acid substituents on degradation of

LHRH analogues by proximal tubule. Flouret G, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):E320–6

Amplification of prostaglandin E2 stimulation of luteinizing hormone-releasing hormone release from median eminence explants: a metal(II)-specific effect of chelated copper. Barnea A, et al. **Brain Res** 1986 Oct 1;384(1):101–5

Leukotrienes C4 and D4 stimulate the release of luteinizing hormone-releasing hormone from rat median eminence in vitro. Gerozissis K, et al. **Brain Res** 1987 Jul 21;416(1):54–8

Catecholamine innervation of LH-RH neurons: a developmental study. Wray S, et al. **Brain Res** 1986 Dec 10;399(2):327–31

Bovine pineal antireproductive tripeptide binds to luteinizing hormone-releasing hormone: a model for peptide modulation by sequence specific peptide interactions? Root-Bernstein RS, et al. **Brain Res Bull** 1986 Oct; 17(4):519–28

Ontogeny of gonadotropin releasing hormone and gonadotropin immunoreactivity in brain and pituitary of normal and estrogen-treated guppies, Poecilia reticulata Peters. Zentel HJ, et al. **Cell Tissue Res** 1987 Jul; 249(1):227–34

Presence of luteinizing hormone releasing hormone (LHRH) in milk. Smith SS, et al. **Endocrinol Exp (Bratisl)** 1986 Aug; 20(2–3):147–53

Effects of an LHRH agonist on endocrine function, LHRH receptor and LH/hCG receptor in the pituitary-gonadal axis of male rats. Komatsu M, et al. **Endocrinol Jpn** 1986 Apr;33(2):185–95

Processing of luteinizing hormone-releasing hormone precursor in rat neurons. Rubin BS, et al. **Endocrinology** 1987 Jul;121(1):305–9

LHRH messenger RNA in neurons in the intact and castrate male rat forebrain, studied by in situ hybridization. Rothfeld JM, et al. **Exp Brain Res** 1987;67(1):113–8

Ontogeny of luteinizing hormone releasing hormone (LHRH) and somatostatin (SRIF) in the hypothalamus of the sheep. Polkowska J. **Folia Histochem Cytobiol** 1986;24(3):195–201

Extrahypothalamic projection of luteinizing hormone-releasing hormone fibers in the brain of the toad, Bufo japonicus. Jokura Y, et al. **Gen Comp Endocrinol** 1986 Apr;62(1):80–8

Peptidergic innervation of caudal neurosecretory neurons. Miller KE, et al. **Gen Comp Endocrinol** 1986 Dec; 64(3):396–400

Metabolism of GnRH in man: influence of estrogens. Cisewski K, et al. **Horm Res** 1987;25(4):199–205

Topographical localization of the receptors for luteinizing hormone-releasing hormone on the surface of dissociated pituitary cells. Hopkins CR, et al. **J Cell Biol** 1977 Nov; 75(2 Pt 1):528–40

Distribution of luteinizing hormone-releasing hormone in the nervus terminalis and brain of the mouse detected by immunocytochemistry. Schwanzel-Fukuda M, et al. **J Comp Neurol** 1987 Jan 8;255(2):231–44

A developmental study of the quantitative distribution of LHRH neurons within the central nervous system of postnatal male and female rats [published erratum appears in J Comp Neurol 1987 Jan 1;255(1):following 152] Wray S, et al. **J Comp Neurol** 1986 Oct 22;252(4):522–31

Degradation of luteinizing hormone-releasing hormone by neuroblastoma cells and their membrane: evidence for the involvement of a thiol protease and angiotensin-converting enzyme. Yokosawa H, et al. **J Neurochem** 1987 Jan; 48(1):293–8

Dissociation between pituitary GnRH binding sites and LH response to GnRH in vitro. Abbot SD, et al. **Mol Cell Endocrinol** 1986 Dec;48(2–3):191–7

Dynamics of LHRH binding to human term placental cells from normal and anencephalic gestations. Bélisle S, et al. **Mol Cell Endocrinol** 1987 Feb;49(2–3):195–202

Age-related alterations in the stimulated release in vitro of catecholamines and luteinizing hormone-releasing hormone from the male rat hypothalamus. Goldman JM, et al. **Neurochem Res** 1987 Jul;12(7):651–7

A model for combined morphological and functional investigations on the isolated mediobasal rat hypothalamus. Boujon CE, et al. **Neuroendocrinology** 1987 Apr;45(4):311–7

Effect of catechol estrogens on the preovulatory content of luteinizing hormone-releasing hormone in the median eminence of the rat. Okatani Y, et al. **Neuroendocrinology** 1986;44(2):190–4

Effect of neonatal gonadectomy on the postnatal development of LHRH cell subtypes in male and female rats. Wray S, et al. **Neuroendocrinology** 1987 May; 45(5):413–9

Specific luteinizing-hormone-releasing hormone receptor binding sites in hippocampus and pituitary: an autoradiographical study. Reubi JC, et al. **Neuroscience** 1987 Jun;21(3):847–56

Effect of hypophysectomy and growth hormone replacement on hypothalamic GHRH. Ganzetti I, et al. **Peptides** 1986 Nov–Dec;7(6):1011–4

The LHRH family of peptide messengers in the frog nervous system. Branton WD, et al. **Prog Brain Res** 1986;68:205–15

[Enzymic degradation of luteinizing hormone-releasing hormone] Qin N. **Sheng Li Ko Hsueh Chin Chan** 1986 Jul; 17(3):225–8 (29 ref.) **(Chi)**

[Regulation of the synthesis and secretion of follicle stimulating hormones—foliberin, inhibin, and activin] Presl J. **Cesk Gynekol** 1987 May;52(4):311–5 **(Cze)**

[Physiological significance of the self-priming effect of LH-RH on the anterior pituitary glands] Takahashi M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr; 39(4):573–8 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Changes in the responsiveness of perifused rat adenohypophysial cells to repeated stimulation with luteinizing hormone releasing hormone. Buckingham JC, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):479–86

Initiation and control of ovulation in the mouse luteal phases. Effects of gonadotropins and gonadotropin releasing hormone. Gidley-Baird AA, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):576–81

Phenobarbital enhances pituitary LH release induced by LRH pulses in the ovariectomized rat. Lambalk CB, et al. **Acta Endocrinol (Copenh)** 1987 Feb;114(2):214–7

Suppression by LRH of the stimulatory effect of oestradiol on the secretion of LH by the rat pituitary gland. Schuiling GA, et al. **Acta Endocrinol (Copenh)** 1987 Apr; 114(4):488–96

Effect of clomiphene citrate on the in vitro release of LH and FSH by the pituitary gland of the long-term ovariectomized rat pretreated with LRH or with LRH and oestradiol benzoate. Schuiling GA, et al. **Acta Endocrinol (Copenh)** 1986 Sep;113(1):35–41

Role of protein kinase C in luteinizing hormone-releasing hormone (LHRH)-stimulated progesterone production in rat granulosa cells. Wang J, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):939–44

Gonadotropin releasing hormone (GnRH) stimulates both secretion and synthesis of human chorionic gonadotropin (hCG) by first trimester human placental minces in vitro. Mathialagan N, et al. **Biochem Int** 1986 Nov;13(5):757–65

The role of Ca2+ in steroidogenesis in Leydig cells. Stimulation of intracellular free Ca2+ by lutropin (LH), luliberin (LHRH) agonist and cyclic AMP. Sullivan MH, et al. **Biochem J** 1986 May 15;236(1):45–51

Gonadotropin-releasing hormone (GnRH) receptor dynamics and gonadotrope responsiveness during and after continuous GnRH stimulation. Adams TE, et al. **Biol Reprod** 1986 Nov;35(4):881–9

Catecholamine stimulation of androgen production by rat Leydig cells. Interactions with luteinizing hormone and luteinizing hormone-releasing hormone. Anakwe OO, et al. **Biol Reprod** 1986 Nov;35(4):806–14

Failure of human chorionic gonadotropin injections to sustain gonadotropin-releasing hormone-induced corpora lutea in postpartum beef cows. Carruthers TD, et al. **Biol Reprod** 1986 Nov;35(4):846–9

Enhanced luteinizing hormone release by luteinizing hormone-releasing hormone in incubating female turkeys (Meleagris gallopavo). el Halawani ME, et al. **Biol Reprod** 1987 May;36(4):884–9

Pulsatile administration of gonadotropin-releasing hormone advances ovulation in cycling mares. Johnson AL. **Biol Reprod** 1986 Dec;35(5):1123–30

Hypothalamic deafferentation and luteinizing hormone-releasing hormone effects on secretion of luteinizing hormone in prepubertal pigs. Molina JR, et al. **Biol Reprod** 1986 Sep;35(2):439–46

Further aspects of gonadotropin-releasing hormone research. Ge LJ, et al. **Biopolymers** 1986;25 Suppl:S255–66

On the role of luteinizing hormone-releasing hormone in the in vitro synthesis of bioactive human chorionic gonadotropin in human pregnancies. Belisle S, et al. **Can J Physiol Pharmacol** 1986 Sep;64(9):1229–35

Absence of testicular protection by a gonadotropin-releasing hormone analogue against cyclophosphamide-induced testicular cytotoxicity in the mouse. da Cunha MF, et al. **Cancer Res** 1987 Feb 15;47(4):1093–7

Effects of estradiol and mammalian LHRH on the ultrastructure of the pars distalis of the eel. Olivereau M, et al. **Cell Tissue Res** 1986;246(2):425–37

Assessment of the sexual and antler potential of the male white-tailed deer (Odocoileus virginianus) by Gn-RH stimulation test. Bubenik GA, et al. **Comp Biochem Physiol [A]** 1987;86(4):767–71

Evaluation of GnRH administration on the prolactin response to thyrotrophin-releasing hormone in normal women. Minakami H, et al. **Endocrinol Jpn** 1986 Aug;33(4):511–7

Progesterone antagonizes the ability of porcine ovarian inhibin to sensitize ovine pituitary cell culture to luteinizing hormone-releasing hormone: dependence on ovaries in vivo. Batra SK, et al. **Endocrinology** 1986 Nov; 119(5):1933–8

Dynamic actions of arachidonic acid and protein kinase C in pituitary stimulation by gonadotropin-releasing hormone. Chang JP, et al. **Endocrinology** 1987 May; 120(5):1837–45

Neuropeptide Y enhances the release of luteinizing hormone (LH) induced by LH-releasing hormone. Crowley WR, et al. **Endocrinology** 1987 Mar;120(3):941–5

Agents that decrease gonadotropin-releasing hormone (GnRH) receptor internalization do not inhibit GnRH-mediated gonadotrope desensitization. Gorospe WC, et al. **Endocrinology** 1987 Jan;120(1):222–9

The relationship between gonadotropin-releasing hormone-stimulated luteinizing hormone release and inositol phosphate production: studies with calcium antagonists and protein kinase C activators. Huckle WR, et al. **Endocrinology** 1987 Jan;120(1):160–9

Estrogen induces premature luteal regression in rhesus monkeys during spontaneous menstrual cycles, but not in cycles driven by exogenous gonadotropin-releasing hormone. Hutchison JS, et al. **Endocrinology** 1987 Aug; 121(2):466–74

Effects of luteinizing hormone (LH)-releasing hormone pulse amplitude and frequency on LH secretion by perifused rat anterior pituitary cells. Kamel F, et al. **Endocrinology** 1987 Apr;120(4):1644–50

Cytosolic free calcium levels in cultured pituitary cells separated by centrifugal elutriation: effect of gonadotropin-releasing hormone. Limor R, et al. **Endocrinology** 1987 Feb;120(2):497–503

Effects of a low calcium environment on luteinizing hormone biosynthesis in cultured rat anterior pituitary cells. Ramey JW, et al. **Endocrinology** 1987 Apr;120(4):1514–20

The effects of gonadotropin-releasing hormone and estradiol on luteinizing hormone biosynthesis in cultured rat anterior pituitary cells. Ramey JW, et al. **Endocrinology** 1987 Apr; 120(4):1503–13

Comparative biological properties of lamprey gonadotropin-releasing hormone in vertebrates. Sower SA, et al. **Endocrinology** 1987 Feb;120(2):773–9

Comparison between bioactive and immunoactive luteinizing hormone (LH) in ovariectomized streptozotocin-induced diabetic rats: response to LH-releasing hormone. Tesone M, et al. **Endocrinology** 1986 Dec;119(6):2412–6

Estrogens delay the postpartum recovery of the LH-RH-induced gonadotropin release. Van Exter C, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Aug;8(4):179–84

Effects of parathyroidectomy in pregnant rats on the luteinizing hormone and follicle-stimulating hormone response to synthetic luteinizing hormone-releasing hormone in the infantile offspring. Fujii T, et al. **Exp Clin Endocrinol** 1986 Jul;87(2):149–56

LRH-stimulated release of bioactive and immunoreactive LH in a patient with the XX male syndrome. Grandi M, et al. **Exp Clin Endocrinol** 1987 Apr;89(2):229–32

Decidua and the control of corpus luteum function, follicular development and pituitary LHRH-responsiveness in pseudopregnant and pregnant rats. Schuiling GA, et al. **Experientia** 1987 Aug 15;43(8):895–8

Luteinizing hormone-releasing hormone (LHRH)-induced arachidonic acid release in rat granulosa cells. Role of calcium and protein kinase C. Minegishi T, et al. **FEBS Lett** 1987 Apr 6;214(1):139–42

Characterizing pituitary response to a gonadotropin-releasing hormone (GnRH) antagonist in monkeys: tonic follicle-stimulating hormone/luteinizing hormone secretion versus acute GnRH challenge tests before, during, and after treatment. Chillik CF, et al. **Fertil Steril** 1987 Sep; 48(3):480–5

Gonadotropin-releasing hormone-induced changes in testosterone secretion in normal women. Soules MR, et al. **Fertil Steril** 1987 Sep;48(3):423–7

Effects of two kinds of chicken luteinizing hormone-releasing hormone (LH-RH), mammalian LH-RH and its analogs on the release of LH and FSH in Japanese quail and chicken. Hattori A, et al. **Gen Comp Endocrinol** 1986 Dec; 64(3):446–55

Lysine-vasopressin does not affect basal and LH-RH-stimulated LH and FSH release during the menstrual cycle of normal women. Chiodera P, et al. **Gynecol Obstet Invest** 1987;24(1):56–61

Study on the hyperresponsiveness of pituitary FSH to GnRH 6 weeks after delivery. Morishita H, et al. **Gynecol Obstet Invest** 1987;23(2):110–6

Progesterone and LH variations after LH-RH administration in the luteal phase of the menstrual cycle. Caruso A, et al. **Horm Res** 1986;24(1):18–25

Inhibitory effect of beta-endorphin on gonadotropin-releasing hormone and thyrotropin-releasing hormone releasing activity in cultured rat anterior pituitary cells. Sánchez-Franco F, et al. **Horm Res** 1986;24(1):55–61

Effect of gonadotropin-releasing hormone on prolactin levels in males unrelated to stress or behavioral changes. Phipps WR, et al. **J Androl** 1987 Jul–Aug;8(4):210–4

Induction of estrus in ovariectomized cows and heifers: effects of estradiol benzoate and gonadotropin releasing hormone. Cook DL, et al. **J Anim Sci** 1986 Aug; 63(2):546–50

Function of ovine corpora lutea after administration of luteinizing hormone-releasing hormone. Rahmanian MS, et al. **J Anim Sci** 1987 Feb;64(2):648–55

Beta-endorphin/beta-lipotropin release and gonadotropin secretion after acute exercise in normal males. Elias AN, et al. **J Appl Physiol** 1986 Dec;61(6):2045–9

Novel aspects of gonadotropin-releasing hormone action on inositol polyphosphate metabolism in cultured pituitary gonadotrophs. Morgan RO, et al. **J Biol Chem** 1987 Jan 25;262(3):1166–71

Regulation of tissue-type plasminogen activator activity and messenger RNA levels by gonadotropin-releasing hormone in cultured rat granulosa cells and cumulus-oocyte complexes. Ny T, et al. **J Biol Chem** 1987 Aug 25; 262(24):11790–3

Gonadotropin-releasing hormone action upon luteinizing hormone bioactivity in pituitary gland: role of sulfation. Sardaños ML, et al. **J Biol Chem** 1987 Aug 15; 262(23):11149–55

Luteal responses to gonadotropin-releasing hormone during the luteal phase: relation to the age of corpus luteum. Caruso A, et al. **J Clin Endocrinol Metab** 1987 Feb;

64(2):274–8

Corpus luteum insufficiency induced by a rapid gonadotropin-releasing hormone-induced gonadotropin secretion pattern in the follicular phase. Soules MR, et al. **J Clin Endocrinol Metab** 1987 Sep;65(3):457–64

The involvement of ovarian factors in maintaining the pituitary glands of female rats in a state of low LH responsiveness to LHRH. de Koning J, et al. **J Endocrinol** 1987 Feb;112(2):265–73

Multiple injections of LH-releasing hormone into hypogonadal (hpg) mice induce the appearance of two morphologically distinct populations of gonadotrophs. Lewis CE, et al. **J Endocrinol** 1986 Dec;111(3):483–93

Lack of effect of moderate hypercalcemia on gonadotropin responsiveness to GnRH. Rõjdmark S, et al. **J Endocrinol Invest** 1987 Apr;10(2):123–5

Dependence of GnRH action on Na+, K+, and Ca2+ in the frog, Rana pipiens, pituitary. Porter DA, et al. **J Exp Zool** 1986 Sep;239(3):379–91

The cellular basis of the calcium dependence of GnRH-stimulated gonadotropin release from frog, Rana pipiens, pituitaries. Porter DA, et al. **J Exp Zool** 1986 Dec; 240(3):353–61

Reproductive hormones in aging men. III: Basal and LHRH-stimulated serum concentrations of the common alpha-subunit of the glycoprotein hormones. Blackman MR, et al. **J Gerontol** 1987 Sep;42(5):476–81

Use of GnRH analogues in ovulation induction for in vitro fertilization: benefit of a short administration regimen [letter] Barriere P, et al. **J In Vitro Fert Embryo Transfer** 1987 Feb;4(1):64–5

Alcohol effects on luteinizing hormone-releasing hormone stimulated luteinizing hormone and follicle-stimulating hormone in ovariectomized female rhesus monkeys. Mello NK, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):693–700

Gonadotrophin secretion and pituitary responsiveness to LHRH in castrated and intact male rabbits exposed to different photoperiods. Boyd IL. **J Reprod Fertil** 1987 Mar; 79(2):627–33

Seasonal variations in the pituitary response to LHRH in the brown hare (Lepus europaeus). Caillol M, et al. **J Reprod Fertil** 1986 Nov;78(2):479–86

Pituitary response to LHRH, LH pulsatility and plasma melatonin and prolactin changes in ewe lambs treated with melatonin implants to delay puberty. Kennaway DJ, et al. **J Reprod Fertil** 1986 Sep;78(1):137–48

Ovarian steroid production in rats treated with gonadotropin-releasing hormone during early pregnancy. Sridaran R. **J Steroid Biochem** 1987 Jan;26(1):1–6

Electrophysiological test of an amphiphilic beta-structure in LHRH action. Pan JT, et al. **Mol Cell Endocrinol** 1986 Dec;48(2–3):161–6

LHRH-receptor-regulated Ca2+-ATPase activity in murine pituitary gland. Dalterio SL, et al. **Neurochem Res** 1987 May;12(5):419–24

Permissive role for ornithine decarboxylase and putrescine in the luteinising hormone surge. Aslam M, et al. **Neuroendocrinology** 1987 Jun;45(6):473–8

Specific release of a novel pituitary polypeptide, 7B2, from rat anterior pituitary cells in vitro by luteinizing hormone-releasing hormone. Deng JY, et al. **Neuroendocrinology** 1986;44(3):373–7

Short-term pituitary desensitization to LH-RH after pulsatile LH-RH in the ovariectomized rat: an in vivo experiment. Lambalk CB, et al. **Neuroendocrinology** 1986;43(6):646–50

Prolonged sensitisation of pituitary glands in vitro to repeated administration of luteinising hormone-releasing hormone: effects of pulse frequency, ovariectomy, estradiol and progesterone. Nicholson S, et al. **Neuroendocrinology** 1987 Jun;45(6):465–72

Does melatonin alter pituitary responsiveness to gonadotropin-releasing hormone in the ewe? Robinson JE, et al. **Neuroendocrinology** 1986;43(6):635–40

LHRH-stimulated release of stored and newly synthesized gonadotrop polypeptide (GP-87) by cultured rat gonadotrophs. Chanat E, et al. **Neuropeptides** 1987 Feb–Mar;9(2):177–83

Effect of luliberin on the secretion of the luteinizing hormone depending on the phase of the menstrual cycle in intact and castrated female Papio hamadryas. Todua TN, et al. **Neurosci Behav Physiol** 1987 Mar–Apr;17(2):176–9

Induction of ovulation with gonadotropin-releasing hormone. Schriock ED, et al. **Obstet Gynecol Surv** 1986 Jul;41(7):414–23 (97 ref.)

Extra pituitary actions of LHRH analogues in tissues of the human female and investigation of the existence and function of LHRH-like peptides. Fraser HM, et al. **Prog Clin Biol Res** 1986;225:29–54 (65 ref.)

Relative potencies of antagonists of the luteinizing hormone releasing hormone with Lys8 and Arg8 and substitutions in positions 3, 5, 6, 7 and 8. Folkers K, et al. **Z Naturforsch [C]** 1986 Nov–Dec;41(11–12):1087–91

[Regulation of the reproductive functions of cows by hormonal preparations] Nikolov I, et al. **Vet Med Nauki** 1986;23(5):86–91 (Eng. Abstr.) **(Bul)**

[Intranasal LRH-A for contraception by inhibition of ovulation: observation of 10 cases] Lu RK. **Chung Hua Fu Chan Ko Tsa Chih** 1987 Jan;22(1):18–21, 61–2 (Eng. Abstr.) **(Chi)**

[Effect of LHRH on the synthesis and phosphorylation of proteins in gonadotropic cells] Chanat E, et al. **Ann Endocrinol (Paris)** 1986;47(1):45–7 (Eng. Abstr.) **(Fre)**

[LHRH and LH release in the red fox Vulpes vulpes L] Bonnin M, et al. **C R Acad Sci [III]** 1986;303(13):569–74 (Eng. Abstr.) **(Fre)**

[Effects of PGF2 alpha prostaglandins on milk ejection in the ewe. Consequences of ovariectomy with or without estroprogestative complementation] Labussière J, et al. **Reprod Nutr Dev** 1986;26(4):933–42 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

GnRH cell brain grafts. Correction of hypogonadism in mutant mice. Gibson MJ, et al. **Ann NY Acad Sci** 1987; 495:296–305

The molecular basis of gonadotropin-releasing hormone (GnRH) action in the pituitary gonadotrope. Conn PM, et al. **Biol Reprod** 1987 Feb;36(1):17–35 (152 ref.)

Short photoperiod-induced gonadal regression: effects on the gonadotropin-releasing hormone (GnRH) neuronal system of the white-footed mouse, Peromyscus leucopus. Glass JD. **Biol Reprod** 1986 Oct;35(3):733–43

Stimulation of the circulating levels of glycoprotein hormone alpha-subunit after combined administration of a luteinizing hormone-releasing hormone (LHRH) agonist and flutamide in patients with cancer of the prostate. St-Arnaud R, et al. **Clin Invest Med** 1986 Nov;9(4):215–21

Data suggesting that milk of early lactation period might be involved in sexual differentiation of rat brain. Kacsóh B, et al. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2–3):155–66

Pulsatile follicle-stimulating hormone secretion is independent of luteinizing hormone-releasing hormone (LHRH): pulsatile replacement of LHRH bioactivity in LHRH-immunoneutralized rats. Culler MD, et al. **Endocrinology** 1987 May;120(5):2011–21

In vivo and in vitro examination of an autoregulatory mechanism for luteinizing hormone-releasing hormone. DePaolo LV, et al. **Endocrinology** 1987 Jan;120(1):272–9

Evidence of gonadal steroid-independent changes in activity of the central LH-releasing hormone pulse generator in developing bull calves. D'Occhio MJ, et al. **J Endocrinol** 1986 Oct;111(1):67–73

The roles of inhibin and gonadotrophin-releasing hormone in the control of gonadotrophin secretion in the ewe. Martin GB, et al. **J Endocrinol** 1986 Nov;111(2):287–96

Differences between early- and late-maturing genotypes of the platyfish (Xiphophorus maculatus) in the morphometry of their immunoreactive luteinizing hormone releasing hormone-containing cells: a developmental study. Halpern-Sebold LR, et al. **J Exp Zool** 1986 Nov; 240(2):245–57

Steroidal modulation of the regulatory neuropeptides: luteinizing hormone releasing hormone, neuropeptide Y and endogenous opioid peptides. Kalra PS, et al. **J Steroid Biochem** 1986 Nov;25(5B):773–40 (63 ref.)

Peptide-steroid interactions in brain regulation of pulsatile gonadotropin secretion. Negro-Vilar A, et al. **J Steroid Biochem** 1986 Nov;25(5B):741–7

Hypothalamic control of reproductive function: ontogenetic aspects. Sandow J. **Monogr Neural Sci** 1986;12:79–89 (54 ref.)

The effect of morphine on the electrophysiological activity of the hypothalamic luteinizing hormone-releasing hormone pulse generator in the rhesus monkey. Kesner JS, et al. **Neuroendocrinology** 1986;43(6):686–8

Estrogen priming affects the sensitivity of midbrain central gray neurons to microiontophoretically applied LHRH but not beta-endorphin. Schiess MC, et al. **Neuroendocrinology** 1987 Jun;46(1):24–31

Human pituitary and placental hormones control human insulin-like growth factor II secretion in human granulosa cells. Ramasharma K, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2643–7

The molecular mechanism of action of gonadotropin releasing hormone (GnRH) in the pituitary. Conn PM, et al. **Recent Prog Horm Res** 1987;43:29–68 (155 ref.)

[Active immunization of male pigs against gonadoliberin: effect on the secretion of gonadotropic hormones and on 5 alpha-androst-16-ene-one levels in adipose tissue] Caraty A, et al. **C R Acad Sci [III]** 1986;303(16):673–6 (Eng. Abstr.) **(Fre)**

[Inhibin-FSH releasing hormone. Must we revise our concept of the regulation of the hypophyseal-gonadal axis?] von Werder K. **Fortschr Med** 1986 Nov 13;104(42):787 **(Ger)**

[Current theories on the neuroendocrine control of menstrual cycle] Speranskaia NV, et al. **Akush Ginekol (Mosk)** 1987 May;(5):12–7 (50 ref.) **(Rus)**

[Effect of luliberin on the secretion of luteinizing hormone as a function of the phase of menstrual cycle in intact and castrated female Papio hamadryas] Todua TN, et al. **Probl Endokrinol (Mosk)** 1986 Nov–Dec;32(6):49–52 (Eng. Abstr.) **(Rus)**

SECRETION

GABA and gonadotropin secretion: evidence from in vitro studies on regulation of LHRH secretion. Masotto C, et al. **Adv Biochem Psychopharmacol** 1986;42:243–50

Eicosanoids in relation with LHRH secretion. Wisner-Provost A, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1986; 16:235–40

GnRH-associated peptide (GAP) is cosecreted with GnRH into the hypophyseal portal blood of ovariectomized sheep. Clarke IJ, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):665–71

Release of luteinizing hormone-releasing hormone (LHRH) and neuroactive substances in unanesthetized animals as estimated with push-pull cannulae (PPC). Ramirez VD, et al. **Biol Reprod** 1987 Feb;36(1):59–76 (84 ref.)

Effects of prostaglandin E2, forskolin and cholera toxin on cAMP production and in vitro LH-RH release from the rat hypothalamus. Kim K, et al. **Brain Res** 1986 Oct 29; 386(1–2):258–65

Pulsatile release of gonadotropin-releasing hormone (GnRH) from the rat hypothalamus in vitro: calcium and glucose dependency and inhibition by superactive GnRH analogs. Bourguignon JP, et al. **Endocrinology** 1987 Sep; 121(3):993–9

N-methyl-D,L-aspartate elicits hypothalamic gonadotropin-releasing hormone release in prepubertal male rhesus monkeys (Macaca mulatta). Gay VL, et al. **Endocrinology** 1987 Jun;120(6):2289–96

Mechanism of action of dopamine on the in vitro release of gonadotropin-releasing hormone. Jarjour LT, et al. **Endocrinology** 1986 Oct;119(4):1726–32

The effect of hyperprolactinemia produced by transplantable pituitary MtTW15 tumor cells in male rats on hypothalamic luteinizing hormone-releasing hormone release in vitro: effects of naloxone and K+. Kalra PS, et al. **Endocrinology** 1987 Jul;121(1):310–5

Differential in vitro stimulation by naloxone and K+ of luteinizing hormone-releasing hormone and catecholamine release from the hypothalami of intact and castrated rats. Kalra PS, et al. **Endocrinology** 1987 Jan;120(1):178–85

Isolated gonadotropin-releasing hormone neurons harvested from adult male rats secrete biologically active neuropeptide in a regular repetitive manner. Melrose P, et al. **Endocrinology** 1987 Jul;121(1):182–9

Steroid effects on the secretory modalities of gonadotropin-releasing hormone release. Melrose P, et al. **Endocrinology** 1987 Jul;121(1):190–9

In vitro evidence for short-loop gonadotropin feedback on gonadotropin-releasing hormone neurons harvested from adult male rats. Melrose PA. **Endocrinology** 1987 Jul; 121(1):200–4

Transmembrane signals mediating neural peptide secretion: role of protein kinase C activators and arachidonic acid metabolites in luteinizing hormone-releasing hormone secretion. Negro-Vilar A, et al. **Endocrinology** 1986 Dec; 119(6):2796–802

Corticotropin-releasing factor decreases plasma luteinizing hormone levels in female rats by inhibiting gonadotropin-releasing hormone release into hypophysial-portal circulation. Petraglia F, et al. **Endocrinology** 1987 Mar;120(3):1083–8

In vitro release of luteinizing hormone-releasing hormone from the hypothalamus of old male rats. Zanisi M, et al. **Endocrinology** 1987 Jan;120(1):49–54

Effects of thyroidectomy and thyroxine replacement on the release of luteinizing hormone and gonadotropin-releasing hormone in vitro. Wang SW, et al. **Horm Res** 1987; 25(4):215–22

The spectrum of abnormal patterns of gonadotropin-releasing hormone secretion in men with idiopathic hypogonadotropic hypogonadism: clinical and laboratory correlations. Spratt DI, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):283–91

Effects of ovarian inhibin on pulsatile release of gonadotrophins and secretion of LHRH in ovariectomized rats: evidence against a central action of inhibin. de Greef WJ, et al. **J Endocrinol** 1987 Jun;113(3):449–55

Serotonin induces gonadotrophin release through stimulation of LH-releasing hormone release from the median eminence. Vitale ML, et al. **J Endocrinol** 1986 Nov; 111(2):309–15

New concepts in the regulation of hypothalamic gonadotropin releasing hormone (GnRH) secretion. Rasmussen DD. **J Endocrinol Invest** 1986 Oct;9(5):427–37 (131 ref.)

Ascorbic acid enhances the release of luteinizing hormone-releasing hormone from the mediobasal hypothalamus in vitro. Miller BT, et al. **Life Sci** 1986 Dec 22;39(25):2447–54

Copper stimulation of LHRH release from median eminence explants. I. A divalent metal specific process that does not require extracellular calcium. Colombani-Vidal M, et al. **Neuroendocrinology** 1986;43(6):664–9

Copper stimulation of LHRH release from median eminence explants. III. A process dependent on extracellular sodium. Colombani-Vidal M, et al. **Neuroendocrinology** 1986; 44(3):283–91

Copper stimulation of LHRH release from median eminence explants. II. A process dependent on chloride transport. Colombani-Vidal M, et al. **Neuroendocrinology** 1986; 44(3):276–82

Neuropeptide Y stimulates the release of luteinizing hormone-releasing hormone from medial basal hypothalamus in vitro: modulation by ovarian hormones. Crowley WR, et al. **Neuroendocrinology** 1987 Aug; 46(2):97–103

In vivo activity of the LHRH pulse generator as determined with push-pull perfusion of the anterior pituitary gland of unrestrained intact and castrate male rats. Dluzen DE, et al. **Neuroendocrinology** 1987 Apr;45(4):328–32

Neuroanatomical substrate for the inhibition of

gonadotrophin secretion in goldfish: existence of a dopaminergic preoptico–hypophyseal pathway. Kah O, et al. **Neuroendocrinology** 1987 Jun;45(6):451–8

Membrane mechanism mediates progesterone stimulatory effect on LHRH release from superfused rat hypothalami in vitro. Ke FC, et al. **Neuroendocrinology** 1987 Jun; 45(6):514–7

Involvement of H1 histamine receptor in basal and estrogen–stimulated luteinizing hormone–releasing hormone secretion in rats in vitro. Miyake A, et al. **Neuroendocrinology** 1987 Mar;45(3):191–6

Opioid modulation of LHRH release in vitro depends upon levels of testosterone in vivo. Nikolarakis KE, et al. **Neuroendocrinology** 1986;44(3):314–9

In vivo secretion of LHRH in ovariectomized rats is regulated by a possible autofeedback mechanism. Sarkar DK. **Neuroendocrinology** 1987 Jun;45(6):510–3

In vivo release of dopamine, luteinizing hormone–releasing hormone and thyrotropin–releasing hormone in male rats bearing a prolactin–secreting tumor. Voogt JL, et al. **Neuroendocrinology** 1987 Aug;46(2):110–6

Norepinephrine stimulates LH–RH secretion into the hypophysial portal blood of the rat. Ching M, et al. **Peptides** 1986 Jul–Aug;7(4):705–8

Copper amplification of prostaglandin E2 stimulation of the release of luteinizing hormone–releasing hormone is a postreceptor event. Barnea A, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):580–4

THERAPEUTIC USE

The effect of minisomatostatin on anomalous growth hormone responses in acromegaly. Pieters GF, et al. **Acta Endocrinol (Copenh)** 1987 Apr;114(4):537–42

The control of the onset of puberty. Brook CG, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:202–6

LHRH treatment of hypothalamic amenorrhoea. Guoth J, et al. **Acta Med Hung** 1986;43(2):223–8

Pulsatility of reproductive hormones: applications to the understanding of puberty and to the treatment of infertility. Brook CG, et al. **Baillieres Clin Endocrinol Metab** 1987 Feb;1(1):23–41 (26 ref.)

Ovulation and normal luteal function during LHRH treatment of women with hyperprolactinaemic amenorrhoea. Polson DW, et al. **Clin Endocrinol (Oxf)** 1986 May;24(5):531–7

Effect of LHRH treatment on testicular descent and hormonal response in cryptorchidism. Wit JM, et al. **Clin Endocrinol (Oxf)** 1986 May;24(5):539–48

Effect of exogenous luteinizing hormone–releasing hormone on hypothalamic pituitary function in women with ovarian failure. Albert JL, et al. **Fertil Steril** 1987 Aug; 48(2):198–203

Induction of first cycles in primary hypothalamic amenorrhea with pulsatile luteinizing hormone–releasing hormone: a mirror of female pubertal development. Schoemaker J, et al. **Fertil Steril** 1987 Aug;48(2):204–12

Current treatments with LHRH and its analogues. Recommendations of the ESHRE workshop. Anacapri, September 20, 1986. Crosignani PG, et al. **Hum Reprod** 1987 Feb;2(2):95–7 (0 ref.)

The uses of LH–releasing hormone and analogs in infertility. Fleming R, et al. **Ir J Med Sci** 1986 Dec;155(12 Suppl):22–9

LHRH analogues in endometriosis [editorial] **Lancet** 1986 Nov 1;2(8514):1016–8

Uterine fibroids: medical treatment or surgery? [editorial] **Lancet** 1986 Nov 22;2(8517):1197

Gonadotropin down–regulation in gynecological practice. Proceedings of an international symposium. The Netherlands, April 25–26, 1986. **Prog Clin Biol Res** 1986; 225:1–460

Pharmacology and experimental basis of therapy with LHRH agonists in women. Sandow J, et al. **Prog Clin Biol Res** 1986;225:1–27 (64 ref.)

Hormone treatment of undescended testes [editorial] Gilder SS. **S Afr Med J** 1986 Sep 27;70(7):385

[Status 5 years after hormone (LH–RH) treatment of undescended testis (letter)] Skeie E. **Ugeskr Laeger** 1986 Sep 15;148(38):2412–3 **(Dan)**

[Puberty induction using pulsatile LHRH administration] Delemarre–van de Waal HA. **Tijdschr Kindergeneeskd** 1986 Dec;54(6):176–82 (Eng. Abstr.) **(Dut)**

[Effects of gonadoliberin administered nasally in cryptorchidism in aged 1 to 6] Job JC, et al. **Arch Fr Pediatr** 1987 Feb;44(2):91–5 (Eng. Abstr.) **(Fre)**

[Surgical aspects of hormone therapy in cryptorchism] Kees A. **Padiatr Padol** 1986;21(4):389–96 (Eng. Abstr.) **(Ger)**

[Management of true precocious puberty with a delayed–action Gn–RH analog] Julesz J, et al. **Orv Hetil** 1986 Dec 7;127(49):3005–9 (Eng. Abstr.) **(Hun)**

[A triplet pregnancy after LHRH pulsatile infusion therapy in a postoperative case of growth hormone–producing pituitary macroadenoma] Goto K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Feb;39(2):327–30 **(Jpn)**

[Prostatic cancer. Treatment with LH–RH analogs] Ogreid P. **Tidsskr Nor Laegeforen** 1986 Dec 10;106(34–36):2968–70 (Eng. Abstr.) **(Nor)**

[Comparative clinico–therapeutic study of gonadorelin and chorionic gonadotropin in boys with undescended testes] Kadrnka–Lovrenčić M, et al. **Lijec Vjesn** 1987 Feb–Mar; 109(2–3):90–2 (Eng. Abstr.) **(Scr)**

LH–HCG RECEPTORS see **RECEPTORS, LH**

LH RECEPTORS see **RECEPTORS, LH**

LH RELEASING HORMONE see **LH–FSH RELEASING HORMONE**

LHFSHRH RECEPTORS see **RECEPTORS, GONADOLIBERIN**

LIBIDO

Passionate love/sexual desire: can the same paradigm explain both? Hatfield E, et al. **Arch Sex Behav** 1987 Jun; 16(3):259–78

Sexuality in the puerperium: a review. Reamy KJ, et al. **Arch Sex Behav** 1987 Apr;16(2):165–86

Inhibited sexual desire in women. Stuart FM, et al. **Arch Sex Behav** 1987 Apr;16(2):91–106

Reversible sterility by cyproterone acetate plus testosterone enanthate in langur monkey with maintenance of libido. Lohiya NK, et al. **Biomed Biochim Acta** 1987;46(4):259–66

Disorders of sexual desire in a sample of women alcoholics. Heiser K, et al. **Drug Alcohol Depend** 1987 Mar; 19(2):145–57

Cognitive aspects of splitting and libidinal object constancy: a reconsideration and reappraisal [letter] Steingart I. **J Am Psychoanal Assoc** 1985;33(4):974–81

Pavlovian conditioning of sexual arousal: parametric and background manipulations. Zamble E, et al. **J Exp Psychol [Anim Behav]** 1986 Oct;12(4):403–11

More on the nature of sexual desire. Levine SB. **J Sex Marital Ther** 1987 Spring;13(1):35–44

Human chorionic gonadotropin treatment of nonorganic erectile failure and lack of sexual desire: a double–blind study. Buvat J, et al. **Urology** 1987 Sep;30(3):216–9

DRUG EFFECTS

Libido in women receiving trazodone [letter] **Am J Psychiatry** 1987 Jan;144(1):123

Effect of bromocriptine on affect and libido in hyperprolactinemia. Koppelman MC, et al. **Am J Psychiatry** 1987 Aug;144(8):1037–41

Sexual side effects of alprazolam [letter] Lydiard RB, et al. **Am J Psychiatry** 1987 Feb;144(2):254–5

Increased libido with trazodone [letter] Sullivan G. **Am J Psychiatry** 1987 Jul;144(7):967

Does viloxazine really improve sex drive? A double–blind controlled study. De Leo D, et al. **Br J Psychiatry** 1986 May;148:597–9

Effect of combined implants of oestradiol and testosterone on libido in postmenopausal women [letter] Appleby L, et al. **Br Med J [Clin Res]** 1987 May 30;294(6584):1417–8

Effect of combined implants of oestradiol and testosterone on libido in postmenopausal women. Burger H, et al. **Br Med J [Clin Res]** 1987 Apr 11;294(6577):936–7

Increased sexual function in benzodiazepine withdrawal [letter] Nutt D, et al. **Lancet** 1986 Nov 8;2(8515):1101–2

Sexual excitement is possible side affect of bronchodilator. Peterson CD. **Postgrad Med** 1986 Nov 15;80(7):16

LIBMAN–SACKS DISEASE see **LUPUS ERYTHEMATOSUS, SYSTEMIC**

LIBRARIANSHIP see **LIBRARY SCIENCE**

LIBRARIES

Cost considerations in automating the library. Bolef D. **Bull Med Libr Assoc** 1987 Apr;75(2):109–13

The toy library service at Honeylands Family Support Unit: an assessment. Rub S. **Child Care Health Dev** 1987 Jan–Feb; 13(1):33–9

An untapped resource [letter] Daniels P. **Hosp Community Psychiatry** 1987 Jul;38(7):775

TRENDS

Where will technology put the library of the 21st century? Davis RM. **Bull Med Libr Assoc** 1987 Jan;75(1):1–6

LIBRARIES, DENTAL

Lending computer hardware and software. Mason F. **Bull Med Libr Assoc** 1987 Jan;75(1):37–8

LIBRARIES, HEALTH SCIENCE see **LIBRARIES, MEDICAL**

LIBRARIES, HOSPITAL

Telefacsimile service in a hospital consortium. Hover LM. **Bull Med Libr Assoc** 1987 Jan;75(1):35–6

Twinning of hospital libraries—international resource sharing. Long NP. **Bull Med Libr Assoc** 1986 Oct; 74(4):374–5

Automating Veterans Administration libraries: I. National planning and development. McVoy JM, et al. **Bull Med Libr Assoc** 1987 Apr;75(2):122–4

Access fees in a hospital library: a program for pharmaceutical company representatives. Roeder CS. **Bull Med Libr Assoc** 1987 Apr;75(2):171–3

Managing a satellite communications program in a hospital library. Sutton LS, et al. **Bull Med Libr Assoc** 1987 Apr; 75(2):128–32

The Hamad Health Sciences Library. Pathan AM. **Middle East J Anesthesiol** 1986 Oct;8(6):541–8

[Clinical librarianship in a hospital community] Silva CM. **AMB** 1986 Nov–Dec;32(11–12):219–20 **(Por)**

ORGANIZATION & ADMINISTRATION

Effect of institutional mergers on hospital libraries. Wos M, et al. **Bull Med Libr Assoc** 1987 Jan;75(1):34–5

[Experiences of a biomedical library in a hospital clinic] Boy A. **Ann Ist Super Sanita** 1986;22(4):1241–2 **(Ita)**

[Local health units and the library: Rome and Rome Province] Cichi DR. **Ann Ist Super Sanita** 1986; 22(4):1245–6 **(Ita)**

[Analysis of the library structures of the local health units in Emilia Romagna: the principal data and reflexions] Iori R. **Ann Ist Super Sanita** 1986;22(4):1251–2 **(Ita)**

SUPPLY & DISTRIBUTION

[Expert study of the biomedical libraries of the local health units of Palermo: comments on resources] Martellucci D. **Ann Ist Super Sanita** 1986;22(4):1253–4 **(Ita)**

[Library structures of the local health units of Friuli–Venezia Giulia and Liguria] Sirocco F. **Ann Ist Super Sanita** 1986; 22(4):1255–9 **(Ita)**

TRENDS

Health sciences libraries: strategies in an era of changing economics. Messerle J. **Bull Med Libr Assoc** 1987 Jan; 75(1):27–33

[Notes for a new concept and realization of the library for Local Health Unit No. 25 of Verona] Bertazzoni E. **Ann Ist Super Sanita** 1986;22(4):1239–40 **(Ita)**

[Biomedical libraries in Trentino–Alto Adige: the situation and outlook] Sittoni A. **Ann Ist Super Sanita** 1986; 22(4):1261–3 **(Ita)**

LIBRARIES, MEDICAL

Biomedical libraries and information services in Great Britain. Tabor RB. **Ann Ist Super Sanita** 1986;22(4):1229–33

Selected list of books and journals for the small medical library. Brandon AN, et al. **Bull Med Libr Assoc** 1987 Apr; 75(2):133–65

Library–sponsored computer user groups. Brown JF, et al. **Bull Med Libr Assoc** 1987 Apr;75(2):167–9

An appraisal of library facilities and services at the Medical Library of the University of Ilorin, Nigeria. Fowowe SO. **Bull Med Libr Assoc** 1987 Jan;75(1):39–41

Challenge to action. Love E. **Bull Med Libr Assoc** 1986 Oct; 74(4):376–9

Medical rare book provenance. Overmier JA, et al. **Bull Med Libr Assoc** 1987 Jan;75(1):14–8

PAM (Public–Access Microcomputer) service in an academic medical center library. Russell SE. **Bull Med Libr Assoc** 1987 Apr;75(2):166–7

Automating Veterans Administration libraries: II. Implementation at the Kansas City Medical Center Library. Smith VK, et al. **Bull Med Libr Assoc** 1987 Apr;75(2):125–7

The clinical medical librarian program as perceived by the CML. Sullivan MB, et al. **Bull Med Libr Assoc** 1987 Apr; 75(2):169–71

EARS: Electronic Access to Reference Service. Weise FO, et al. **Bull Med Libr Assoc** 1986 Oct;74(4):300–4

A one–year journal use study in a veterinary medical library. Veenstra RJ. **J Am Vet Med Assoc** 1987 Mar 15; 190(6):623–6

Public access computing in health science libraries. Kehn S. **J Biocommun** 1987 Spring;14(2):7–12

Libraries in the clinic [editorial] Matheson NW. **MD Comput** 1986 Mar–Apr;3(2):6–7

Hand in hand with Clio. DeJong HE. **RI Med J** 1986 Nov; 69(11):533–9

The Rhode Island Medical Society Library—a valued treasure [editorial] Goldowsky SJ. **RI Med J** 1986 Dec; 69(12):566–7

Medical libraries and computers. The role of medical libraries in medical informatics. Matheson NW. **West J Med** 1986 Dec;145(6):859–63

[Information services provided by the main library of the Medical School of Palacký University] Hladký R. **Acta Univ Palacki Olomuc Fac Med** 1986;114:411–8 **(Cze)**

[The development of a private medical and historical library] Sypkens Smit JH. **Ned Tijdschr Geneeskd** 1986 Aug 23; 130(34):1527–9 **(Dut)**

[Organization of video libraries in the field of pediatrics—why and how?] Olbing H, et al. **Monatsschr Kinderheilkd** 1987 Jan;135(1):60–1 **(Ger)**

[Conference on libraries and documentation centers in biomedicine: realities and prospects. Rome, 12–14 December 1984. Proceedings] **Ann Ist Super Sanita** 1986; 22(4):1155–362 **(Ita)**

[The Library of the Higher Institute of Occupational Prevention and Safety] Aceti A. **Ann Ist Super Sanita** 1986; 22(4):1187–8 **(Ita)**

[Role of the Library and the Documentation Service of the Istituto Superiore di Sanità in the field of the National Health Service] Alberani V. **Ann Ist Super Sanita** 1986; 22(4):1223–7 **(Ita)**

[University biomedical libraries of Palermo] Barbera MC. **Ann Ist Super Sanita** 1986;22(4):1195–6 **(Ita)**

[The situation of the Library of the Health and Welfare Aldermanry of the Piedmont Region] Carusi AM. **Ann Ist Super Sanita** 1986;22(4):1243–4 **(Ita)**

[The libraries of the Department of Medicine of Turin: analysis, critique and plans] Comba V. **Ann Ist Super Sanita** 1986;22(4):1201–2 **(Ita)**

[The biomedical libraries of the University of Rome] D'Antone L. **Ann Ist Super Sanita** 1986;22(4):1203–4 **(Ita)**

[Libraries and centers of biomedical documentation and periodicals] Gentile G. **Ann Ist Super Sanita** 1986; 22(4):1301 **(Ita)**

[Remarks on university biomedical libraries in Sardinia] Nenci E. **Ann Ist Super Sanita** 1986;22(4):1205–6 **(Ita)**

[Biomedical libraries in Apulia] Pasculli A. **Ann Ist Super Sanita** 1986;22(4):1207 **(Ita)**

[A specialized library of a research institute: the Gustavus A. Pfeiffer Memorial Library] Pistotti V. **Ann Ist Super Sanita** 1986;22(4):1273 **(Ita)**

[The National Medical Library] Posa L. **Ann Ist Super Sanita** 1986;22(4):1189–91 **(Ita)**

[A program of bibliographic exchange—BIREME/COMUT (letter)] Alonso FR. **AMB** 1986 May–Jun;32(5–6):108 **(Por)**

[Clinical librarianship: an experience in the libraries of the Fundação das Pioneiras Sociais (letter)] Silva CM, et al. **AMB** 1986 Jul–Aug;32(7–8):144 **(Por)**

HISTORY

John Shaw Billings, 1838–1913: nineteenth century giant. Chapman CB. **Bull NY Acad Med** 1987 May;63(4):386–409

A celebration of medical history. The fiftieth anniversary of The Johns Hopkins Institute of the History of Medicine and The Welch Medical Library. **Henry E Sigerist Suppl Bull Hist Med** 1982;(6):1–228

Private physicians and public collections: medical libraries in the United States before 1900. Bell WJ Jr. **Henry E Sigerist Suppl Bull Hist Med** 1982;(6):85–102

The genesis of the William H. Welch Medical Library and the Johns Hopkins Institute of the History of Medicine. Koudelka JB. **Henry E Sigerist Suppl Bull Hist Med** 1982; (6):69–76

A celebration of medical history. Introduction. Stevenson LG. **Henry E Sigerist Suppl Bull Hist Med** 1982;(6):1–16

Medical museum notes. Bonsett CA. **Indiana Med** 1986 Nov; 79(11):951

Visions of history: changing attitudes to the medical book as an historical source. Freeman EJ. **Ned Tijdschr Geneeskd** 1986 Sep 13;130(37):1656–60

[50 years of the Library of the Istituto Superiore di Sanità] Berruti MT. **Ann Ist Super Sanita** 1986;22(4):1163–6 **(Ita)**

ORGANIZATION & ADMINISTRATION

An overview of the World Health Organization's policies concerning health libraries and documentation centres. Ruff B. **Ann Ist Super Sanita** 1986;22(4):1167–70

The evolution of selective biomedical libraries and their use in the developing world. Warren KS. **JAMA** 1987 May 15;257(19):2628–9

[Institutional tasks of the Central Library of the National Research Council and its activities in the biomedical area] Califano Tentori M. **Ann Ist Super Sanita** 1986;22(4):1171–8 **(Ita)**

[The Library of the San Raffaele Scientific Institute: a panoramic view of its activities] Rocca M. **Ann Ist Super Sanita** 1986;22(4):1275–6 **(Ita)**

STANDARDS

Measures of excellence: the search for the gold standard. Holtz VH. **Bull Med Libr Assoc** 1986 Oct;74(4):305–14

TRENDS

[Survey of automation in Italian biomedical libraries] Carosella MP. **Ann Ist Super Sanita** 1986;22(4):1353–62 **(Ita)**

[Libraries and documentation centers in health education: the reality and the outlook] Modolo MA, et al. **Ann Ist Super Sanita** 1986;22(4):1235–6 **(Ita)**

UTILIZATION

Users of biomedical libraries. Carmel M. **Ann Ist Super Sanita** 1986;22(4):1283–7

[The Library of the C. Serono Institute and its usership] Bellantonio N. **Ann Ist Super Sanita** 1986;22(4):1333–4 **(Ita)**

[Experience of the researcher] Bignami G. **Ann Ist Super Sanita** 1986;22(4):1293 **(Ita)**

[Experiences and problems of a university library user] Manganaro M. **Ann Ist Super Sanita** 1986;22(4):1297–8 **(Ita)**

LIBRARY ASSOCIATIONS

HISTORY

Recognition for Billings [letter] Cummings MM, et al. **Bull Med Libr Assoc** 1986 Oct;74(4):383

LIBRARY SCHOOLS

Adjunct faculty defended [letter] Westermann ML. **Bull Med Libr Assoc** 1986 Oct;74(4):382–3

LIBRARY SCIENCE

The clinical medical librarian program as perceived by the CML. Sullivan MB, et al. **Bull Med Libr Assoc** 1987 Apr; 75(2):169–71

EDUCATION

A curriculum for documentalists in the biosciences. Wolters E. **Methods Inf Med** 1987 Apr;26(2):93–6

[Professional education of French librarians and information specialists, particularly in the biomedical area] Pomart PD. **Ann Ist Super Sanita** 1986;22(4):1211–3 **(Fre)**

[The professional education of the librarian–information specialist in Italy. References in the biomedical field] Tavoni MG, et al. **Ann Ist Super Sanita** 1986;22(4):1215–9 **(Ita)**

HISTORY

The MLA Medical Librarianship Oral History Program. Zinn NW. **Bull Med Libr Assoc** 1987 Jan;75(1):38–9

STANDARDS

Measures of excellence: the search for the gold standard. Holtz VH. **Bull Med Libr Assoc** 1986 Oct;74(4):305–14

LIBRARY SERVICES

Library–sponsored computer user groups. Brown JF, et al. **Bull Med Libr Assoc** 1987 Apr;75(2):167–9

An appraisal of library facilities and services at the Medical Library of the University of Ilorin, Nigeria. Fowowe SO. **Bull Med Libr Assoc** 1987 Jan;75(1):39–41

Evolution of an end–user training program. Ginn DS, et al. **Bull Med Libr Assoc** 1987 Apr;75(2):117–21

Telefacsimile service in a hospital consortium. Hover LM. **Bull Med Libr Assoc** 1987 Jan;75(1):35–6

Lending computer hardware and software. Mason F. **Bull Med Libr Assoc** 1987 Jan;75(1):37–8

PAM (Public–Access Microcomputer) service in an academic medical center library. Russell SE. **Bull Med Libr Assoc** 1987 Apr;75(2):166–7

Managing a satellite communications program in a hospital library. Sutton LS, et al. **Bull Med Libr Assoc** 1987 Apr; 75(2):128–32

EARS: Electronic Access to Reference Service. Weise FO, et al. **Bull Med Libr Assoc** 1986 Oct;74(4):300–4

Public access computing in health science libraries. Kehn S. **J Biocommun** 1987 Spring;14(2):7–12

ORGANIZATION & ADMINISTRATION

Biomedical libraries and information services in Great Britain. Tabor RB. **Ann Ist Super Sanita** 1986;22(4):1229–33

[Milan: how a great university makes up for the lack of a central biomedical library] Cantaluppi S. **Ann Ist Super Sanita** 1986;22(4):1197–9 **(Ita)**

[Clinical librarianship in a hospital community] Silva CM. **AMB** 1986 Nov–Dec;32(11–12):219–20 **(Por)**

UTILIZATION

[How the Library of the Catholic University of the Sacred Heart responds to the information needs of university and hospital users] Cichi DR. **Ann Ist Super Sanita** 1986; 22(4):1179–81 **(Ita)**

[Experience of a district physician] Cunego A. **Ann Ist Super Sanita** 1986;22(4):1295 **(Ita)**

LIBRARY SURVEYS

METHODS

Computerized library search routine for comparing ultraviolet spectra of drugs separated by high–performance liquid chromatography. Hill DW, et al. **Anal Chem** 1987 Jan 15;59(2):350–3

LIBRARY TECHNICAL SERVICES

[Clinical librarianship: an experience in the libraries of the Fundação das Pioneiras Sociais (letter)] Silva CM, et al. **AMB** 1986 Jul–Aug;32(7–8):144 **(Por)**

LICE

see related

PEDICULOSIS

Argon laser phototherapy of phthiriasis palpebrarum. Awan KJ. **Ophthalmic Surg** 1986 Dec;17(12):813–4

[Infestations by crab lice of the hair of the head] Johansen UB, et al. **Ugeskr Laeger** 1986 Oct 27;148(44):2840–1 (Eng. Abstr.) **(Dan)**

PHYSIOLOGY

Arthropods—the pelage of mammals as an environment. Murray MD. **Int J Parasitol** 1987 Feb;17(1):191–5 (14 ref.)

LICE, PLANT see **APHIDS**

LICENSES see **LICENSURE**

LICENSURE

Proficiency testing in cytology in New York. Analysis of a 14–year state program. Collins DN, et al. **Acta Cytol (Baltimore)** 1986 Nov–Dec;30(6):633–42

Seizure–free drivers [letter] Forester D. **Ann Emerg Med** 1986 Nov;15(11):1378

The licensing system of Dutch hospitals: a method for quality assurance in health care. Abbing HD. **Aust Clin Rev** 1987 Mar;7(24):7–10

Public control of alcohol: licensing trusts in New Zealand. Stewart L, et al. **Br J Addict** 1987 Jun;82(6):643–7

TN struggles with antidumping rules. Burda D. **Hospitals** 1987 Mar 20;61(6):88

Hospital Licensure by Service Study Committee. **Iowa Med** 1987 Mar;77(3):137–8

Characteristics of support for mandatory licensure among respondents to a state–wide survey. Leahy PJ, et al. **J Am Diet Assoc** 1986 Nov;86(11):1571–5

AVMA supervision and coordination of veterinary licensing examinations [editorial] Ames ER. **J Am Vet Med Assoc** 1986 Sep 1;189(5):498–9

Professional association with unlicensed persons. Hannah HW. **J Am Vet Med Assoc** 1986 Sep 1;189(5):510–1

Licensing work on IVF and related procedures [letter] **Lancet** 1987 Jun 13;1(8546):1373–4

The Michigan model: a year review of hospice licensure. Olson SL. **Mich Med** 1986 Nov;85(11):632–4

Embryo guidelines opposed by clinics [news] Hadlington S. **Nature** 1987 May 14–20;327(6118):92

Certification and licensure of radiologic technologists: Part I. Akey CL. **Radiol Technol** 1987 Jul–Aug;58(6):509–12

[Current legislation regarding professional practice in health care] Gevers JK. **Ned Tijdschr Geneeskd** 1987 Jan 3; 131(1):22–5 **(Dut)**

[The Dutch diploma in North America (2) (letter)] **Tijdschr Diergeneeskd** 1987 Jan 1;112(1):49–53 **(Dut)**

LEGISLATION & JURISPRUDENCE

On the training and licensing of lay persons to administer epinephrine [letter] Frazier CA. **NC Med J** 1986 Sep; 47(9):436

LICENSURE, DENTAL

Letter from California: the State Boards. Pogrel MA. **Br Dent J** 1987 Apr 11;162(7):282–3

No ostriches in sight. Just an octopus. An ACFD/AFDC position paper pursuant to the manpower and prelicensure conferences. **Can Dent Assoc J** 1987 Jan;53(1):27–8

Reciprocity. Interstate license reciprocity for all health professionals—a legal basis may now be a reality. Waldman HB. **J Am Coll Dent** 1986 Winter;53(4):20–2

Postdoctoral dental residencies and prerequisite for licensure. Pudwill ML. **J Dent Educ** 1987 Jun;51(6):309–11

Disciplinary reforms [letter] Senkowsky AM. **NY State Dent J** 1987 Jan;53(1):8

LICENSURE, HOSPITAL see under **LICENSURE**

LICENSURE, INSTITUTIONAL, PERSONNEL see **LICENSURE**

LICENSURE, MEDICAL

Endoscopy audit. **Aust Clin Rev** 1986 Sep;6(22):118–9

The GMC and the education of doctors [letter] Hobbs KE. **Br J Hosp Med** 1987 Jun;37(6):555

Official 1985 Federation summary of reported disciplinary actions. Breaden DG, et al. **Hawaii Med J** 1987 Mar; 46(3):92–4, 97, 103–4

What every physician should know about the Medical Licensing Board. Dyer RL. **Indiana Med** 1987 Apr; 80(4):376–7

Primary Care [letter] ALBERT DS. **J Am Optom Assoc** 1986 Dec;57(12):883

A review of the new statutory changes in Florida governing the policy of obtaining a medical license by examination. Feinstein RJ. **J Fla Med Assoc** 1986 Oct;73(10):783–6

State bird: the albatross [letter] **J Miss State Med Assoc** 1987 Jun;28(6):154–5

State medical discipline: defects and hindrances [editorial] Breaden DG, et al. **JAMA** 1987 Feb 13;257(6):828–9

An overview of state medical discipline. Kusserow RP, et al. **JAMA** 1987 Feb 13;257(6):820–4

Medical licensing requirements. Osteen AM. **JAMA** 1987 Aug 28;258(8):1053–4

New law allows exempt license. Stratton WT. **Kans Med** 1987 Jul;88(7):232

Three–year ban by GMC upheld: possibility of revocation or variation on petition by doctor during sentence. Brahams D. **Lancet** 1987 Feb 14;1(8529):396

Licensing boards and impaired professionals. Dorsey DM, et al. **Md Med J** 1987 Mar;36(3):238–40

New Board of Medicine rules ease applicants' assessment. DeKornfeld TJ. **Mich Med** 1986 Oct;85(10):558, 560

Unrenewed licenses become null and void. DeKornfeld TJ. **Mich Med** 1986 Nov;85(11):622, 627

The Ohio State Medical Board. An interim report. Porter S. **Ohio State Med J** 1986 Oct;82(10):677–83
Innovation and cooperation enhance policing mechanism. Bechamps GJ. **Va Med** 1987 Jan;114(1):18–21

LICENSURE, NURSING

Continuing education and computerization. Experience of a State Board of Nursing. Romelfanger MA, et al. **Comput Nurs** 1986 Sep–Oct;4(5):212–7
Entry into practice: the continuing saga. Dunbar S. **Heart Lung** 1987 Mar;16(2):22A–27A
Continuing competence and relicensure. Sovie MD. **J Am Coll Health Assoc** 1979 Dec;28(3):150–4
Performance predictors for nursing courses and NCLEX-RN. Felts J. **J Nurs Educ** 1986 Nov;25(9):372–7
Preparation for NCLEX-RN: an innovative course. National Council Licensure Examination. Kaufman JS, et al. **J Nurs Educ** 1987 Jun;26(6):250–3
Classics from our heritage. The need for legislation for licensure to practice professional nursing. Rogers ME. **J Prof Nurs** 1985 Nov–Dec;1(6):384
State board criteria for licensure and disciplinary procedures regarding impaired nurses. Champagne M, et al. **Nurs Outlook** 1987 Mar–Apr;35(2):54, 56–7, 101
State Boards of Nursing [letter] Dvorak EM. **Nurs Outlook** 1987 Jul–Aug;35(4):159
Interpretations of state board criteria and disciplinary procedures regarding impaired nurses. Swenson I, et al. **Nurs Outlook** 1987 May–Jun;35(3):108–10, 145
State Board members' perceptions of impaired nurses. Swenson I, et al. **Nurs Outlook** 1987 Jul–Aug;35(4):154–5

LICENSURE, PHARMACY

Regulation and licensing of U.S. plasma products: response to AIDS. Aronson DL. **Dev Biol Stand** 1987;67:215–20
Regulatory control of blood products in Canada. Boucher DW, et al. **Dev Biol Stand** 1987;67:221–8

LICHEN PLANUS

No evidence of hypersensitivity to dental restorative metals in oral lichen planus. Hietanen J, et al. **Scand J Dent Res** 1987 Aug;95(4):320–7

CHEMICALLY INDUCED

Colour developers and lichen planùs. Brandão FM. **Contact Dermatitis** 1986 Oct;15(4):253
Captopril–induced lichen planus pemphigoides with pemphigus–like features. A case report. Flageul B, et al. **Dermatologica** 1986;173(5):248–55
How common is drug–induced lichen planus? [letter] Dupont C. **Int J Dermatol** 1987 Apr;26(3):199–200
Amalgam–related oral lichenoid reaction. Lind PO, et al. **Scand J Dent Res** 1986 Oct;94(5):448–51
[Chronic lichenoid dermatitis in sensitization to alpha–amylase in a baker] Schirmer RH, et al. **Z Hautkr** 1987 May 15;62(10):792–7 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Is childhood idiopathic atrophy of the nails due to lichen planus? Colver GB, et al. **Br J Dermatol** 1987 May; 116(5):709–12
Atypical lichen planus associated with ulcerative colitis. Cox NH, et al. **Dermatologica** 1986;173(6):294–6
Lichen planus arising in an inflammatory linear verrucous epidermal nevus. Ahrens EM, et al. **Int J Dermatol** 1986 Oct;25(8):527–8
Punctate keratoses of palms in lichen planus. Sait MA, et al. **Int J Dermatol** 1986 Nov;25(9):592–3
[Histopathological analysis of desquamative gingival lesions] Meng HX. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jul; 21(4):203–5, 252–3 (Eng. Abstr.) **(Chi)**
[Association of lichen ruber planus, alopecia areata and vitiligo] Aloi PG, et al. **G Ital Dermatol Venereol** 1987 Apr;122(4):197–200 (Eng. Abstr.) **(Ita)**
[Alopecia areata associated with onychodystrophy, vitiligo and lichen ruber planus] De Padova MP, et al. **G Ital Dermatol Venereol** 1987 Apr;122(4):191–2 (Eng. Abstr.) **(Ita)**
[Association of erosive lichen of the mucosa, chronic hepatopathy of uncertain classification, bullous pemphigoid (letter)] Rotoli M, et al. **G Ital Dermatol Venereol** 1986 Jul–Aug;121(4):310 **(Ita)**
[Erythema dyschromicum perstans versus lichen planus] Leonforte JL, et al. **Med Cutan Ibero Lat Am** 1987; 15(1):89–92 (Eng. Abstr.) **(Spa)**
[Lichen planus and hepatopathy (letter)] Soriano Vázquez V, et al. **Rev Esp Enferm Apar Dig** 1987 May;71(5):453–4 **(Spa)**

DIAGNOSIS

The reliability of immunofluorescence and histopathology in the diagnosis of discoid lupus erythematosus and lichen planus. Nieboer C. **Br J Dermatol** 1987 Feb;116(2):189–98
Oesophageal lichen planus. Sheehan–Dare RA, et al. **Br J Dermatol** 1986 Dec;115(6):729–30
Lichen sclerosus et atrophicus in children misdiagnosed as sexual abuse. Handfield–Jones SE, et al. **Br Med J [Clin Res]** 1987 May 30;294(6584):1404–5
Differentiating vesicular linear lichen planus and lichen striatus. Katz M, et al. **Cutis** 1987 Aug;40(2):151–3
Who was Wickham and what are his striae? Rivers JK, et al. **Int J Dermatol** 1986 Nov;25(9):611–3
Diagnosis of oral lichen planus [letter] Eisenberg E, et al. **J Am Dent Assoc** 1987 Feb;114(2):144, 146
[Lichen ruber planus—lupus erythematosus/overlap syndrome] Stary A, et al. **Z Hautkr** 1987 Mar 1; 62(5):381–94 (Eng. Abstr.) **(Ger)**
[Immunohistological findings in Brocq's pseudopelade: analogy with lichen planus?] Pincelli C, et al. **G Ital Dermatol Venereol** 1986 Nov–Dec;121(6):389–93 (Eng. Abstr.) **(Ita)**
[Lichenoid amyloidosis] Belova LV. **Klin Med (Mosk)** 1987 Jan;65(1):130–3 **(Rus)**
[Bullous form of sclerotic and atrophic lichen] Loseva VA, et al. **Vestn Dermatol Venerol** 1986;(12):39–41 (Eng. Abstr.) **(Rus)**
[Lupus erythematosus–lichen planus overlap syndrome (letter)] Martínez Martínez R, et al. **Rev Clin Esp** 1987 May; 180(9):517–8 **(Spa)**

DRUG THERAPY

Treatment of erosive lichen planus with dapsone. Beck HI, et al. **Acta Derm Venereol (Stockh)** 1986;66(4):366–7
Treatment of lichen planus with griseofulvin [letter] Levy A, et al. **Int J Dermatol** 1986 Jul–Aug;25(6):405
Ulcerative and erosive lichen planus. Treated by modified topical steroid and injection steroid therapy. Zegarelli DJ. **NY State Dent J** 1987 Mar;53(3):23–4
Treatment of oral erosive lichen planus with systemic isotretinoin. Camisa C, et al. **Oral Surg Oral Med Oral Pathol** 1986 Oct;62(4):393–6
[Therapeutic action of etretinate in amyloid lichen (letter)] Poiares–Baptista A, et al. **Ann Dermatol Venereol** 1986; 113(11):1129 **(Fre)**

ETIOLOGY

Lichenoid photocontact dermatitis to musk ambrette. Parodi G, et al. **Contact Dermatitis** 1987 Mar;16(3):136–8
Lichen striatus. Toda K, et al. **Int J Dermatol** 1986 Nov; 25(9):584–5
Bullous lichen planus developed on erythema ab igne. Horio T, et al. **J Dermatol (Tokyo)** 1986 Jun;13(3):203–7
Actinic lichenoid dermatitis induced by PUVA therapy in vitiligo patients. Wennersten G. **Photodermatol** 1986 Aug; 3(4):247–8
[The Italian Group for Epidemiological Studies in Dermatology and the pilot project on the etiology of lichen planus] Naldi L. **G Ital Dermatol Venereol** 1987 Mar; 122(3):77–83 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Decreased natural killer cell activity in lichen ruber planus. Hunyadi J, et al. **Acta Derm Venereol (Stockh)** 1986; 66(5):435–8
The pathogenesis of lichen planus [letter] De Panfilis G. **Am J Dermatopathol** 1987 Aug;9(4):362–4
Serum immunoglobulins, complements and circulating immune complexes in oral lichen planus. Sun A, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1986 Feb;19(1):46–51
Preserved short–living suppressor T lymphocyte function in lichen planus [letter] Simon M Jr, et al. **Dermatologica** 1987; 175(1):47–8
Cloned auto–Ia–reactive T cells elicit lichen planus–like lesion in the skin of syngeneic mice. Saito K, et al. **J Immunol** 1986 Oct 15;137(8):2485–95
Differential expression of class II alloantigens by keratinocytes in disease. Volc–Platzer B, et al. **J Invest Dermatol** 1987 Jul;89(1):64–8
The expression of HLA–DR on keratinocytes in oral lichen planus. Hedberg NM, et al. **J Oral Pathol** 1987 Jan; 16(1):31–5
Expression of Class II transplantation antigens by epithelial cells in oral candidosis, oral lichen planus and gingivitis. Jontell M, et al. **J Oral Pathol** 1986 Oct;15(9):484–8
Analysis of HLA antigens in Japanese with oral lichen planus. Watanabe T, et al. **J Oral Pathol** 1986 Nov;15(10):529–33
[Determination of circulating IgG, IgA, IgM, complement and immune complexes in lichen planus, Behcet's disease and recurrent aphthae] Zheng JL. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 May;21(3):165–7 **(Chi)**
[HLA–DR1 and lichen ruber planus] Valsecchi R, et al. **G Ital Dermatol Venereol** 1987 Jun;122(6):277–80 (Eng. Abstr.) **(Ita)**
[The state of cell–mediated immunity in patients with lichen planus Wilsoni] Olszewska Z, et al. **Przegl Dermatol** 1987 Jan–Feb;74(1):15–20 (Eng. Abstr.) **(Pol)**

METABOLISM

An immunohistochemical study of oral lichen planus. Toto PD, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jan; 63(1):60–7

MICROBIOLOGY

Yeast species and biotypes associated with oral leukoplakia and lichen planus. Krogh P, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jan;63(1):48–54

OCCURRENCE

Oral lichen planus—a demographic study. Axéll T, et al. **Community Dent Oral Epidemiol** 1987 Feb;15(1):52–6

PATHOLOGY

Topographical distribution and morphology of mast cells in oral lichen planus. Tsounias B, et al. **Ann Dent** 1986 Winter; 45(2):37–9, 49
Unilateral lichen planus: an unusual presentation. Gupta AK, et al. **Arch Dermatol** 1987 Mar;123(3):295–6
Positive Nikolsky's and bulla–spread signs in acute bullous lichen planus [letter] Kaur S, et al. **Arch Dermatol** 1987 Sep;123(9):1122–3
Ultrastructural observations in lichen nitidus. Fimiani M, et al. **Arch Dermatol Res** 1986;279(2):77–82
Lichen planus and lichen–planus–like reactions. Graham–Brown R. **Br J Hosp Med** 1986 Oct;36(4):281–4
Severe erosive lichen planus and polycythemia vera in an adolescent. Berbis P, et al. **Dermatologica** 1987;174(5):244–8
Bone marrow investigation in patients with lichen planus. Nordlind K, et al. **Dermatologica** 1986;173(1):13–5
Documented evolution of a solar lentigo into a solitary lichen planus–like keratosis. Goldenhersh MA, et al. **J Cutan Pathol** 1986 Aug;13(4):308–11
Capsule dermatopathology: red, white, and ulcerated oral lesions—some considerations for the diagnostic approach. Eisenberg E. **J Dermatol Surg Oncol** 1987 Jan;13(1):21–5
Ultrastructure of oral leukoplakia and lichen planus. I. Basal region and inflammatory cells. Jungell P, et al. **J Oral Pathol** 1987 Apr;16(4):170–8
Lichen planus pemphigoides: report of a case with oral lesions. Allen CM, et al. **Oral Surg Oral Med Oral Pathol** 1987 Feb;63(2):184–8
Activation marker analysis of mononuclear cell infiltrates of oral lichen planus in situ. Kilpi AM. **Scand J Dent Res** 1987 Apr;95(2):174–80
[The ultrastructure of the inflammatory cells in oral lichen planus] Zhang XL. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 May;21(3):151–3, 191 (Eng. Abstr.) **(Chi)**
[Ultrastructural observations on epithelial cells in oral lichen planus] Zhang XL. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jan;21(1):1–4, 61 (Eng. Abstr.) **(Chi)**
[Ultrastructure of lichen aureus] Geiger JM, et al. **Ann Dermatol Venereol** 1986;113(11):1123–7 **(Fre)**
[Lichen sclerosus] Pelisse M. **Ann Dermatol Venereol** 1987; 114(3):411–9 **(Fre)**
[Clinical spectrum of oral lichen ruber planus] Haneke E. **Z Hautkr** 1987 Apr 15;62(8):589–92 (Eng. Abstr.) **(Ger)**
[Lichen aureus. Presentation of a case in zonal arrangement] Minghetti G, et al. **G Ital Dermatol Venereol** 1987 May; 122(5):243–5 (Eng. Abstr.) **(Ita)**
[Erythema dyschromicum perstans–ashy dermatosis (EDP–AD). Clinical aspects and problems of classification] Rotoli M, et al. **G Ital Dermatol Venereol** 1987 Mar; 122(3):119–20 (Eng. Abstr.) **(Ita)**
[Lichen myxedematosus] Tinozzi CC, et al. **G Ital Dermatol Venereol** 1987 May;122(5):229–32 (Eng. Abstr.) **(Ita)**
[Case of oral lichen planus associated with diabetes mellitus] Vallania G, et al. **Minerva Stomatol** 1986 Dec; 35(12):1139–42 (Eng. Abstr.) **(Ita)**
[Combination of different forms of lichen ruber planus of the skin, oral mucosa and conjunctiva] Koliadenko VG, et al. **Vestn Dermatol Venerol** 1986;(7):53–4 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Psychiatric disturbance in patients with oral lichen planus. Hampf BG, et al. **Oral Surg Oral Med Oral Pathol** 1987 Apr;63(4):429–32

SURGERY

Recurrence of lichen simplex chronicus after surgical excision. Dean EA, et al. **Cutis** 1987 Aug;40(2):157–8
Cryosurgical treatment of a gingival lichen planus: report of case. Tal H, et al. **J Am Dent Assoc** 1986 Oct; 113(4):629–31

THERAPY

Management of a common oral lesion of the elderly. Green JG, et al. **Geriatrics** 1987 May;42(5):53–5, 59–61, 64
Therapeutic folklore warning [letter] Sciubba JJ. **NY State Dent J** 1987 Feb;53(2):5
Lichen planus. A case report. Warshavsky HB. **NY State Dent J** 1986 Nov;52(9):58, 62
Labial veneers in the management of desquamative gingivitis. Wray D, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jul; 64(1):41–2

VETERINARY

Characterization of lichenoid–psoriasiform dermatosis of springer spaniels. Mason KV, et al. **J Am Vet Med Assoc** 1986 Oct 15;189(8):897–901

LICHENS

Photosensitivity to oak moss [letter] Fernández de Corres L. **Contact Dermatitis** 1986 Aug;15(2):118

Contact sensitivity to lichens and compositae in Frullania dermatitis. Gonçalo S. **Contact Dermatitis** 1987 Feb; 16(2):84–6

ANALYSIS

Toxicity of Iceland lichen and reindeer lichen. Airaksinen MM, et al. **Arch Toxicol [Suppl]** 1986;9:406–9

Lichens as monitors of aerial heavy metal pollutants in and around Kampala. Nyangababo JT. **Bull Environ Contam Toxicol** 1987 Jan;38(1):91–5

Purification and characterization of mouse alpha 1-acid glycoprotein and its possible role in the antitumor activity of some lichen polysaccharides. Watanabe M, et al. **Chem Pharm Bull (Tokyo)** 1986 Jun;34(6):2532–41

Metal amounts in the lichen Ramalina duriaei (De Not.) Bagl. transplanted at biomonitoring sites around a new coal–fired power station after 1 year of operation. Garty J. **Environ Res** 1987 Jun;43(1):104–16

IMMUNOLOGY

Lichens, compositae and photosensitivity. Thune P. **Photodermatol** 1987 Feb;4(1):1–4 (32 ref.)

PHYSIOLOGY

Preliminary evidence for a cholinergic–like system in lichen morphogenesis. Raineri M, et al. **Histochem J** 1986 Nov–Dec;18(11–12):647–57

LICORICE see **GLYCYRRHIZA**

LIDOCAINE

Heating lidocaine appears to prevent painful injection [letter] Finkel LI, et al. **AJR** 1987 Mar;148(3):651

Plasma lidocaine concentrations in conscious horses after cervicothoracic (stellate) ganglion block with 1% lidocaine HCl solution. Skarda RT, et al. **Am J Vet Res** 1987 Jul; 48(7):1092–7

Spinal anaesthesia with hyperbaric lignocaine for elective caesarean section. Bembridge M, et al. **Anaesthesia** 1986 Sep;41(9):906–9

Sodium bicarbonate attenuates pain on skin infiltration with lidocaine, with or without epinephrine. McKay W, et al. **Anesth Analg** 1987 Jun;66(6):572–4

Postoperative analgesia induced by subarachnoid lidocaine plus calcitonin. Miralles FS, et al. **Anesth Analg** 1987 Jul; 66(7):615–8

Fundamental properties of local anesthetics. I. The dependence of lidocaine's ionization and octanol:buffer partitioning on solvent and temperature. Sanchez V, et al. **Anesth Analg** 1987 Feb;66(2):159–65

Meperidine as a spinal anesthetic agent: a comparison with lidocaine–glucose. Sangarlangkarn S, et al. **Anesth Analg** 1987 Mar;66(3):235–40

Subarachnoid block: two for the price of one? [letter] Buchanan B. **Anesthesiology** 1987 Feb;66(2):254–5

pH–adjusted lidocaine does not "sting" [letter]Korbon GA, et al. **Anesthesiology** 1987 Jun;66(6):855–6

Epinephrine prolongs lidocaine spinal: pain in the operative site the most accurate method of determining local anesthetic duration. Moore DC, et al. **Anesthesiology** 1987 Sep;67(3):416–8

Periodontal ligament injection: with or without a vasoconstrictor? Gray RJ, et al. **Br Dent J** 1987 Apr 11; 162(7):263–5

'Periodontal ligament anaesthesia: with or without a vasoconstrictor?' [letter] Meechan JG, et al. **Br Dent J** 1987 Jun 20;162(12):451

Double–blind evaluation of a lignocaine–prilocaine cream (EMLA) in children. Effect on the pain associated with venous cannulation. Maunuksela EL, et al. **Br J Anaesth** 1986 Nov;58(11):1242–5

Bupivacaine and lignocaine for ophthalmic surgery. Oji E, et al. **Br J Ophthalmol** 1987 Jan;71(1):66–8

Adjunctive use of hyaluronidase in local anaesthesia. Lewis–Smith PA. **Br J Plast Surg** 1986 Oct;39(4):554–8

A comparison of bupivacaine to lidocaine with respect to duration in the maxilla and mandible. Teplitsky PE, et al. **Can Dent Assoc J** 1987 Jun;53(6):475–8

The effects of the vasoconstrictor epinephrine on the duration of pulpal anesthesia using the intraligamentary injection. Handler LE, et al. **J Am Dent Assoc** 1987 Jun;114(6):807–9

A comparison of postoperative pain experience following periodontal surgery using two local anesthetic agents. Linden ET, et al. **J Periodontol** 1986 Oct;57(10):637–42

Long–term continuous spinal anesthesia in severe tetanus with autonomic disturbance. Sugimoto H, et al. **Klin Wochenschr** 1987 Mar 2;65(5):238–43

Continuous infusion epidural analgesia with lidocaine: efficacy and influence during the second stage of labor. Chestnut DH, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):323–7

Penile nerve block for newborn circumcision. Maxwell LG, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):415–9

A comparison of retrobulbar block produced by etidocaine 1% and by a mixture of lidocaine 2% and bupivacaine 0.75%. Smith PH, et al. **Ophthalmic Surg** 1987 Feb; 18(2):106–10

Respiratory arrest following retrobulbar anesthesia. Wittpenn JR, et al. **Ophthalmology** 1986 Jul;93(7):867–70

[Obturator nerve block together with peridural anesthesia for analgesia in transurethral resection of tumors of the urinary bladder] Shumleva V, et al. **Khirurgiia (Sofiia)** 1987; 40(2):8–11 (Eng. Abstr.) (Bul)

[Use of lidocaine by the topical route for the practice of indirect laryngoscopy. Study of plasma concentrations during and after its administration] Ayuso MA, et al. **Rev Laryngol Otol Rhinol (Bord)** 1986;107(2):157–9 (Eng. Abstr.) (Fre)

[Cervical peridural anesthesia in mastectomy] Santanchè G, et al. **Anaesthesiol Reanim** 1986;11(5):277–84 (Eng. Abstr.) (Ger)

[Extracorporeal shockwave lithotripsy—what type of anesthesia?] Dimai W, et al. **Schweiz Med Wochenschr** 1987 Mar 21;117(12):442–4 (Eng. Abstr.) (Ger)

[Laparoscopic gynecologic diagnosis using local anesthesia] Salmi A, et al. **Minerva Ginecol** 1987 Jun;39(6):437–40 (Eng. Abstr.) (Ita)

[Improved myocardial protection by pharmacological pretreatment in extended global ischemia based on Mg–lidocaine–induced cardioplegia] Fujiwara H. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Apr;35(4):474–82 (Eng. Abstr.) (Jpn)

[Morphine epidural block in lumbosacral pain] Domżał T, et al. **Neurol Neurochir Pol** 1986 May–Jun;20(3):214–7 (Eng. Abstr.) (Pol)

[15 year experience using prolonged peridural analgesia in labor] Lantsev EA. **Vestn Akad Med Nauk SSSR** 1987; (1):56–61 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

Comparison of intravenous mexiletine and lidocaine for the treatment of ventricular arrhythmias. Lui HK, et al. **Am Heart J** 1986 Dec;112(6):1153–8

Computer–assisted individualized lidocaine dosage: clinical evaluation and comparison with physician performance. Vozeh S, et al. **Am Heart J** 1987 Apr;113(4):928–33

Physiologic effects and serum lidocaine concentrations after inhalation of lidocaine from a compressed gas–powered jet nebulizer. Kirkpatrick MB, et al. **Am Rev Respir Dis** 1987 Aug;136(2):447–9

Two percent lignocaine spinal anaesthesia [letter] Cartwright PD. **Anaesthesia** 1986 Nov;41(11):1163

Intravenous lidocaine: optimal time of injection before tracheal intubation. Tam S, et al. **Anesth Analg** 1987 Oct; 66(10):1036–8

The effect of dilution on plasma lidocaine levels with endotracheal administration. Mace SE. **Ann Emerg Med** 1987 May;16(5):522–6

Radiographic study of intercostal nerve blockade in healthy volunteers. Crossley AW, et al. **Br J Anaesth** 1987 Feb; 59(2):149–54

Effect of topical lignocaine on the sympathoadrenal responses to tracheal intubation. Derbyshire DR, et al. **Br J Anaesth** 1987 Mar;59(3):300–4

Ocular responses after intravenous lidocaine [letter] Drenger B, et al. **Can J Anaesth** 1987 Mar;34(2):219

Decreasing post–succinylcholine myalgia in outpatients. Melnick B, et al. **Can J Anaesth** 1987 May;34(3 (Pt 1)):238–41

Evaluation of two local anaesthetic sprays for the relief of post–episiotomy pain. Harrison RF, et al. **Curr Med Res Opin** 1987;10(6):364–9

Comparison of two formulations of lignocaine spray with mefenamic acid in the relief of post–episiotomy pain: a placebo–controlled study. Harrison RF, et al. **Curr Med Res Opin** 1987;10(6):375–9

A comparison of alcoholic and aqueous formulations of local anaesthetic as a spray for the relief of post–episiotomy pain. Harrison RF, et al. **Curr Med Res Opin** 1987;10(6):370–4

The effect of adrenaline in lignocaine anaesthetic solutions on plasma potassium in healthy volunteers. Meechan JG, et al. **Eur J Clin Pharmacol** 1987;32(1):81–3

Modeling the rate of premature ventricular contractions and its response to lidocaine infusion. Jannett TC, et al. **IEEE Trans Biomed Eng** 1987 Aug;34(8):636–41

Vestibular effects of intravenous lidocaine used in the treatment of tinnitus. Merchant SN, et al. **J Laryngol Otol** 1986 Nov;100(11):1249–53

Office myringotomy and ventilation tube insertion using 10% Xylocaine aerosol. Mina MM, et al. **J Otolaryngol** 1987 Mar;16(2):74–6

Attenuation of circulatory response to laryngoscopy and tracheal intubation—a comparative study of different low doses of fentanyl with or without additional lidocaine in various regimens. Yang MW, et al. **Ma Tsui Hsueh Tsa Chi** 1985 Jun;23(2):54–60

Treatment of an acute anterior disk displacement in the temporomandibular joint. A case report. Braun BL. **Phys Ther** 1987 Aug;67(8):1234–6

Effects of inhaled lidocaine on exercise–induced asthma. Chen WY, et al. **Respiration** 1987;51(2):91–7

EMG versus force relationship in painful masseter muscles before and after intramuscular anesthetics and saline injections. Hagberg C. **Scand J Dent Res** 1987 Jun; 95(3):259–65

Usefulness of 5% lidocaine ointment (EGYT) in internal medicine. Szilágyi A, et al. **Ther Hung** 1984;32(1):29–32

Lidocaine skinwheal fails to prevent vasovagal reflex during venipuncture. Mantia AM, et al. **W Va Med J** 1987 Jun; 83(6):273–4

[Intravenous lidocaine in the treatment of chronic pain] Petersen P, et al. **Ugeskr Laeger** 1986 Aug 18; 148(34):2158–9 (Eng. Abstr.) (Dan)

[Intermittent claudication (letter)] **Ned Tijdschr Geneeskd** 1986 Nov 15;130(46):2096 (Dut)

[Addition of fentanyl to adrenalinized lidocaine for the brachial plexus block] Gobeaux D, et al. **Cah Anesthesiol** 1987 May–Jun;35(3):195–9 (Eng. Abstr.) (Fre)

[Value of using verapamil in coronary reperfusion arrhythmias] Bitto U, et al. **Cardiologia** 1987 Feb; 32(2):185–7 (Eng. Abstr.) (Ita)

[Mechanical effects in acute coronary ischemia and during intracoronary infusion of lidocaine in open–chest dogs] Marino P, et al. **Cardiologia** 1986 Dec;31(12):1181–3 (Ita)

[EMLA cream used as a local anesthetic before insertion of a peripheral venous catheter (Venflon) in children] Dybvik T, et al. **Tidsskr Nor Laegeforen** 1986 Nov 30; 106(33):2829–30 (Eng. Abstr.) (Nor)

[Lidocaine infusion—an alternative in the treatment of lymphedema?] Lundholm BG. **Lakartidningen** 1986 Oct 1; 83(40):3346–7 (Swe)

ADVERSE EFFECTS

"Doom anxiety" and delirium in lidocaine toxicity.Saravay SM, et al. **Am J Psychiatry** 1987 Feb;144(2):159–63

Angioneurotic oedema following etomidate/lignocaine [letter] Bricker SR, et al. **Anaesthesia** 1987 Mar;42(3):323–4

Prolonged haemodynamic disturbance following attempted retrobulbar block [letter] Cardan E, et al. **Anaesthesia** 1987 Jun;42(6):668

The detrimental effect of lidocaine on cerebral metabolism measured in dogs anesthetized with isoflurane. Milde LN, et al. **Anesthesiology** 1987 Aug;67(2):180–4

Methemoglobin levels following intravenous lidocaine administration. Weiss LD, et al. **Ann Emerg Med** 1987 Mar; 16(3):323–5

An unusual cutaneous reaction to lignocaine. Curley RK, et al. **Br Dent J** 1987 Feb 7;162(3):113–4

'An unusual cutaneous reaction to lignocaine' [letter] Lawrence J. **Br Dent J** 1987 Apr 25;162(8):293–4

Fatal bronchospasm after topical lignocaine before bronchoscopy. Ruffles SP, et al. **Br Med J [Clin Res]** 1987 Jun 27;294(6588):1658–9

Seizures after intrauterthral instillation of lidocaine. Sundaram MB. **Can Med Assoc J** 1987 Aug 1;137(3):219–20

Anaphylactic reaction to topical administration of lignocaine hydrochloride (Lignotox 4%) [letter] Sharma SK, et al. **J Assoc Physicians India** 1986 Apr;34(4):304

Restless leg syndrome: unusual cause of agitation under anesthesia [letter] Shin YK. **South Med J** 1987 Feb; 80(2):278–9

[A pediatric case of lidocaine hypersensitivity] Miyake T, et al. **Masui** 1987 Apr;36(4):609–12 (Eng. Abstr.) (Jpn)

[Acute psychotic reactions and speech disorders induced by the rapid intravenous injection of lidocaine (letter)] Basile Filho A, et al. **Rev Paul Med** 1986 Jul–Aug;104(4):229 (Por)

[Recovery from anaphylactic shock with clinical death following lidocaine administration] Koritskiĭ GI, et al. **Vestn Khir** 1987 Apr;138(4):131–2 (Rus)

[Use of skin tests to determine immediate hypersensitivity to lidocaine (xylocaine)] Cavazos Galván M. **Alergia** 1986 Jul–Sep;33(3):65–8 (Eng. Abstr.) (Spa)

ANALOGS & DERIVATIVES

Electrophysiologic testing of tocainide and mexiletine for ventricular tachycardia: assessment of the need to test both drugs. Miller SM, et al. **Am Heart J** 1986 Nov; 112(5):1114–6

Double–blind randomized comparison of intravenous tocainide versus lidocaine in the treatment of chronic ventricular arrhythmias. Mohiuddin SM, et al. **Am Heart J** 1987 Aug;114(2):296–302

Efficacy of class Ib (lidocaine–like) antiarrhythmic agents for prevention of sustained ventricular tachycardia secondary to coronary artery disease. Reiter MJ, et al. **Am J Cardiol** 1987 Jun 1;59(15):1319–24

Accidental overdose of tocainide successfully treated [letter] Cohen A. **Angiology** 1987 Aug;38(8):614

Effect on the seizure threshold in dogs of tocainide/lidocaine administration. Schuster MR, et al. **Ann Emerg Med** 1987 Jul;16(7):749–51

Electrophysiologic, antiarrhythmic and hemodynamic effects of transcainide. Carmeliet E, et al. **Arch Int Pharmacodyn Ther** 1987 Jun;287(2):272–90

Tocainide–induced reversible agranulocytosis and anemia. Soff GA, et al. **Arch Intern Med** 1987 Mar;147(3):598–9

Acetylation and pentafluorobenzoylation of lidocaine metabolites in aqueous solution and identification of derivatives by combined gas chromatography/mass spectrometry. Coutts RT, et al. **Biomed Environ Mass Spectrom** 1987 Apr;14(4):173–82

Mental changes associated with tocainide, a new antiarrhythmic. Bikadoroff S. **Can J Psychiatry** 1987 Apr; 32(3):219–21

Modification of the frequency– and voltage–dependent effects of quinidine when administered in combination with tocainide in canine Purkinje fibers. Valois M, et al. **Circulation** 1987 Aug;76(2):427–41

Efficacy and tolerance of tocainide during long–term treatment of malignant ventricular arrhythmias. Mohiuddin

SM, et al. **Clin Cardiol** 1987 Aug;10(8):457–62
Liquid-chromatographic determination of tocainide in plasma, with N-acyl derivatives of tocainide as internal standards. Boutagy J, et al. **Clin Chem** 1987 Jun;33(6):1069
Class 1B agents lidocaine, mexiletine, tocainide, phenytoin. Rizzon P, et al. **Eur Heart J** 1987 Mar;8 Suppl A:21–5 (28 ref.)
Evaluation of the efficacy and tolerance of the antiarrhythmic agent transcainide (R 54718). Stroobandt R, et al. **Eur J Clin Pharmacol** 1987;32(5):449–56
Cardiac electrophysiologic effects of R 54718. Johnson N, et al. **Eur J Pharmacol** 1987 Mar 3;135(1):41–51
A sudden death due to tocainide overdose. Barnfield C, et al. **Hum Toxicol** 1986 Sep;5(5):337–40
Combination of tocainide and quinidine for better tolerance and additive effects in patients with coronary artery disease. Kim SG, et al. **J Am Coll Cardiol** 1987 Jun;9(6):1369–74
Sodium channel block by a potent, new antiarrhythmic agent, transcainide, in guinea pig ventricular myocytes. Bennett PB, et al. **J Cardiovasc Pharmacol** 1987 Jun;9(6):661–7
Electrophysiological actions of N-(2,6-dimethylphenyl)-8-pyrrolizidine-acetamide hydrochloride hemihydrate (SUN 1165), a new antiarrhythmic agent. Hattori Y, et al. **J Cardiovasc Pharmacol** 1986 Sep-Oct;8(5):998–1002
Effects of tocainide on Purkinje fibers from normal and infarcted ventricular tissues. Dersham GH, et al. **J Electrocardiol** 1986 Oct;19(4):355–9
The pharmacokinetics and pharmacodynamics of lignocaine and MEGX in healthy subjects. Thomson AH, et al. **J Pharmacokinet Biopharm** 1987 Apr;15(2):101–15
Use-dependent blocking action of newly developed lidocaine-analogs on maximum rate of rise of action potentials in guinea pig papillary muscle. Toyama J, et al. **Jpn Heart J** 1987 Mar;28(2):273–85
Paramyotonia congenita: successful treatment with tocainide. Clinical and electrophysiologic findings in seven patients. Streib EW. **Muscle Nerve** 1987 Feb;10(2):155–62
Drug therapy: flecainide and tocainide [letter] **N Engl J Med** 1987 Feb 5;316(6):343–5
The analgesic effect of tocainide in trigeminal neuralgia. Lindström P, et al. **Pain** 1987 Jan;28(1):45–50
Treatment of tinnitus with lidocaine and tocainide. Lenarz T. **Scand Audiol [Suppl]** 1986;26:49–51
[Combination of sotalol with the class I B substances mexiletine or tocainide in complex ventricular extrasystole] Wagner WL, et al. **Z Kardiol** 1987 May;76(5):296–302 (Eng. Abstr.) **(Ger)**
[Electrophysiologic and clinical study of tocainide, a new class IB drug] Vergara G, et al. **Minerva Cardioangiol** 1986 Nov;34(11):711–9 (Eng. Abstr.) **(Ita)**
[High-performance liquid chromatographic method for plasma or serum level monitoring of lidocaine and its active metabolites] Saegusa Y, et al. **Rinsho Byori** 1986 Oct; 34(10):1193–7 **(Jpn)**

ANALYSIS

Chemical stabilities of lignocaine hydrochloride and phenylephrine hydrochloride in aqueous solution. Das Gupta V, et al. **J Clin Hosp Pharm** 1986 Dec;11(6):449–52

ANTAGONISTS & INHIBITORS

Edrophonium antagonizes combined lidocaine–pancuronium and verapamil–pancuronium neuromuscular blockade in cats. Carpenter RL, et al. **Anesthesiology** 1986 Nov; 65(5):506–10

BLOOD

Epidural anesthesia with lidocaine and bupivacaine: effects of epinephrine on the plasma concentration profiles. Burn AG, et al. **Anesth Analg** 1986 Dec;65(12):1281–4
Influence of age on vascular absorption of lidocaine from the epidural space. Finucane BT, et al. **Anesth Analg** 1987 Sep;66(9):843–6
Influence of hydralazine on the pharmacokinetics of orally administered d-propranolol and lidocaine in conscious dogs. Heinzow BG, et al. **Arch Int Pharmacodyn Ther** 1987 Mar;286(1):5–14
The effect of changes in arterial CO2 tension on plasma lidocaine concentration. Alexander CM, et al. **Can J Anaesth** 1987 Jul;34(4):343–5
Evaluation of single-slide creatinine method on the Kodak Ektachem 700 shows positive interference from lignocaine metabolites. Couttie K, et al. **Clin Chem** 1987 Sep;33(9):1674
Effect of Vacutainer tubes on lidocaine protein binding [letter] [published erratum appears in Drug Intell Clin Pharm 1987 Jun;21(6):549] Sorrells SC, et al. **Drug Intell Clin Pharm** 1987 May;21(5):464–5
Lidocaine protein binding in preeclampsia. Bottorff MB, et al. **Eur J Clin Pharmacol** 1987;31(6):719–22
The effect of oral cimetidine on total and unbound serum lidocaine concentrations in patients with suspected myocardial infarction. Berk SI, et al. **Int J Cardiol** 1987 Jan;14(1):91–4
Comparison of lidocaine by fluorescence polarization immunoassay, enzyme immunoassay, and high resolution gas chromatography. Bertol E, et al. **J Anal Toxicol** 1987 May-Jun;11(3):122–4
Lidocaine and indocyanine green kinetics: effect of hypoxemia and/or hypercapnia. Marleau S, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):338–43
Displacement of lidocaine from human plasma proteins by disopyramide. Bonde J, et al. **Pharmacol Toxicol** 1987 Feb; 60(2):151–5
Relationship between inflammation, alpha-1-acid glycoprotein and lidocaine tolerance during fiber-optic bronchoscopy. Philip-Joet F, et al. **Respiration** 1987; 51(1):68–72
A HPLC method for the simultaneous determination of disopyramide, lidocaine and their monodealkylated metabolites. Angelo HR, et al. **Scand J Clin Lab Invest** 1986 Nov;46(7):623–7
[Local anesthesia of the upper limb by a combination of bupivacaine and lidocaine. General diffusion, kinetics of the 2 anesthetics, alone or in combination] Mounie J, et al. **Therapie** 1986 Nov-Dec;41(6):425–31 (Eng. Abstr.) **(Fre)**

CEREBROSPINAL FLUID

Cerebral spinal fluid recovery of lidocaine and bupivacaine following respiratory arrest subsequent to retrobulbar block. Kobet KA. **Ophthalmic Surg** 1987 Jan;18(1):11–3

DIAGNOSTIC USE

Cervical analgesic discography. A test for diagnosis of the painful disc syndrome. Osler GE. **S Afr Med J** 1987 Mar 21;71(6):363

METABOLISM

The effect of lipid composition on the metabolism of lignocaine by a reconstituted mixed function oxidase system from rat liver. Meftah NM, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1203–7
Effect of mechanical ventilation on hepatic drug pharmacokinetics. Richard C, et al. **Chest** 1986 Dec; 90(6):837–41
Effect of duration of lidocaine infusion and route of cimetidine administration on lidocaine pharmacokinetics. Powell JR, et al. **Clin Pharm** 1986 Dec;5(12):993–8
Lidocaine excretion in breast milk [published erratum appears in Drug Intell Clin Pharm 1986 Dec;20(12):987] Zeisler JA, et al. **Drug Intell Clin Pharm** 1986 Sep;20(9):691–3
Mechanisms of lidocaine kinetics in the isolated perfused rat liver. III. Evaluation of liver models for time-dependent behavior. Gray MR, et al. **Drug Metab Dispos** 1987 Jan-Feb;15(1):22–6
Mechanisms of lidocaine kinetics in the isolated perfused rat liver. II. Kinetics of steady state elimination. Saville BA, et al. **Drug Metab Dispos** 1987 Jan-Feb;15(1):17–21
Mechanisms of lidocaine kinetics in the isolated perfused rat liver. I. Effects of continuous infusion. Tam YK, et al. **Drug Metab Dispos** 1987 Jan-Feb;15(1):12–6
The influence of drug sorption on pharmacokinetic studies of chlormethiazole and lignocaine. Upton RN, et al. **J Pharm Pharmacol** 1987 Jun;39(6):485–7
Interaction between human serum albumin and alpha 1-acid glycoprotein in the binding of lidocaine to purified protein fractions and sera. Krauss E, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):754–9
Pharmacokinetics of antipyrine, acetaminophen and lidocaine in fed and fasted horses. Engelking LR, et al. **J Vet Pharmacol Ther** 1987 Mar;10(1):73–82
Antipyrine and lidocaine are cleared faster in horses than in humans: acetaminophen may be handled similarly. Engelking LR, et al. **Pharmacology** 1987;34(4):192–200
[Pharmacokinetics of lidocaine during cardiopulmonary bypass] Takahashi S, et al. **Masui** 1987 Feb;36(2):210–7 (Eng. Abstr.) **(Jpn)**
[High-performance liquid chromatographic method for plasma or serum level monitoring of lidocaine and its active metabolites] Saegusa Y, et al. **Rinsho Byori** 1986 Oct; 34(10):1193–7 **(Jpn)**

PHARMACODYNAMICS

The effects of ornipressin and adrenaline on lignocaine nerve blocks. Prokopiou AA, et al. **Acta Anaesthesiol Scand** 1986 Nov;30(8):647–50
Hemodynamic effects of pirmenol and lidocaine: a placebo-controlled, double-blind, comparative study. Nieminen MS, et al. **Am J Cardiol** 1987 Jun 15; 59(16):27H–32H
The quiescent heart: excitability, compliance, and vascular resistance. Feinberg H, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):H1085–9
Dependence of lidocaine potency on pH and PCO2. Bokesch PM, et al. **Anesth Analg** 1987 Jan;66(1):9–17
Lack of size-related differential sensitivity to equilibrium conduction block among mammalian myelinated axons exposed to lidocaine. Fink BR, et al. **Anesth Analg** 1987 Oct;66(10):948–53
Lidocaine modifies the effect of succinylcholine on muscle oxygen consumption in dogs. Fukuda S, et al. **Anesth Analg** 1987 Apr;66(4):325–8
Lack of effects of prenatal exposure to lidocaine on development of behavior in rats. Teiling AK, et al. **Anesth Analg** 1987 Jun;66(6):533–41
Effect of lidocaine on the asphyxial responses in the mature fetal lamb. Morishima HO, et al. **Anesthesiology** 1987 Apr; 66(4):502–7
Scanning electron microscopic studies of the membranous labyrinth after transtympanic infusion of local anesthetics (lidocain). Ishikawa T, et al. **Auris Nasus Larynx** 1986;13 Suppl 1:S59–68
Effects of lidocaine on transport properties of renal brush-border membranes. Schell RE, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):256–62
The influence of topical anaesthetic agent at bronchoalveolar lavage upon cellular yield and identification and upon macrophage function. Davidson AC, et al. **Br J Dis Chest** 1986 Oct;80(4):385–90
Airway anaesthesia and breathing pattern during exercise in normal subjects and in eucapnic patients with chronic airflow obstruction. Van Meerhaeghe A, et al. **Bull Eur Physiopathol Respir** 1986 Jul-Aug;22(4):381–5
Double-blind comparison of lidocaine, tubocurarine and diazepam pretreatment in modifying intraocular pressure increases. Mahajan RP, et al. **Can J Anaesth** 1987 Jan; 34(1):41–5
A reappraisal of the evidence for a direct action of tetraethylammonium on the chick biventer cervicis muscle equilibrated with lidocaine. Elliott RC. **Gen Pharmacol** 1987;18(3):331–5
The role of acetylcholine in tetraethylammonium induced contractures of the chick biventer cervicis muscle in the presence of lidocaine. Elliott RC. **Gen Pharmacol** 1987; 18(1):7–11
Ventilatory response during CO2 inhalation after airway anesthesia with lidocaine. Sullivan TY, et al. **J Appl Physiol** 1986 Dec;61(6):2230–7
Effects of metoprolol, alone and in combination with lidocaine, on ventricular fibrillation threshold: comparison with atenolol, propranolol, and pindolol. Coram WM, et al. **J Cardiovasc Pharmacol** 1987 May;9(5):611–21
Effects of lidocaine on catecholamine release in the ischemic rat heart. Polwin W, et al. **J Cardiovasc Pharmacol** 1987 Jan;9(1):6–11
Anesthetic properties and toxicity of bupivacaine and lidocaine for infiltration anesthesia. Fariss BL, et al. **J Emerg Med** 1987 Jul-Aug;5(4):275–82
The pharmacokinetics and pharmacodynamics of lignocaine and MEGX in healthy subjects. Thomson AH, et al. **J Pharmacokinet Biopharm** 1987 Apr;15(2):101–15
Influence of enhanced alpha-1-acid glycoprotein concentration on protein binding, pharmacokinetics and antiarrhythmic effect of lidocaine in the dog. De Rick AF, et al. **J Pharmacol Exp Ther** 1987 Apr;241(1):289–93
Competitive inhibition of cardiac sodium channels by aprindine and lidocaine studied using a maximum upstroke velocity of action potential in guinea pig ventricular muscles. Kodama I, et al. **J Pharmacol Exp Ther** 1987 Jun; 241(3):1065–71
Interval-dependent effects of lidocaine on conduction in canine cardiac Purkinje fibers: experimental observations and theoretical analysis. Nattel S. **J Pharmacol Exp Ther** 1987 Apr;241(1):275–81
Lidocaine blockage of basolateral potassium channels in the amphibian urinary bladder. Van Driessche W. **J Physiol (Lond)** 1986 Dec;381:575–93
Lymphocyte traffic effects of systemic and local lidocaine in sheep. Moore TC, et al. **J Surg Res** 1986 Sep; 41(3):279–85
Lidocaine inhibits macrophage mediated cytotoxicity and enhances neutrophil mediated cytotoxicity. Cameron DJ. **Jpn J Exp Med** 1986 Dec;56(6):265–9
Effect of airway anaesthesia on the ventilatory and heart rate responses to isocapnic progressive hypoxia. Tanaka Y, et al. **Jpn J Physiol** 1986;36(6):1193–202
Comparison of the inhibitory effects of mexiletine and lidocaine on the calcium current of single ventricular cells. Ono K, et al. **Life Sci** 1986 Oct 20;39(16):1465–70
Haemodynamic changes in cardiac surgical patients during induction of anesthesia with isoflurane, pancuronium and lidocaine. Kang SM, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Sep;24(3):166–71
Effects of lidocaine concentration on distal capillary blood flow in a rabbit ear model. Haines PC, et al. **Microsurgery** 1987;8(2):54–6
Reduction of experimental intracranial hypertension by lidocaine. Evans DE, et al. **Neurosurgery** 1987 Apr; 20(4):542–7
Ventricular automaticity at the onset of the late phase of coronary artery occlusion in canine hearts and the effects of lidocaine and verapamil. Man RY, et al. **Proc West Pharmacol Soc** 1986;29:19–22
Spinal Wada test. Doppman JL, et al. **Radiology** 1986 Nov; 161(2):319–21
Effects of a local anesthetic lidocaine and of general anesthesia: nitrous oxide and halothane on somatosensory evoked potentials in dogs. Bertens AP. **Z Versuchstierkd** 1987;29(1-2):27–38
[Effects of pontine central gray electric stimulation and lidocaine microinjection on phrenic discharge] Chen ZW, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Mar; 17(1):20–3 (Eng. Abstr.) **(Chi)**
[Comparative evaluation of the effect of pyromecaine and lidocaine on central hemodynamics and their efficacy in the prevention and treatment of heart rhythm disorders] Buniatian AA, et al. **Anesteziol Reanimatol** 1986 Nov-Dec; (6):41–4 (Eng. Abstr.) **(Rus)**
[Conformation analysis and structure-activity correlations of various lidocaine-like anti-arrhythmia agents] Basharov MA, et al. **Biofizika** 1986 Sep-Oct;31(5):741–5 (Eng. Abstr.) **(Rus)**

POISONING

Lidocaine toxicity after maternal pudendal anesthesia in a term infant with fetal distress. Bozynski ME, et al. **Am J Perinatol** 1987 Apr;4(2):164–6

Lethal/toxic injection of 20% lidocaine: a well-known complication of an unnecessary preparation? [letter] Kempen PM. **Anesthesiology** 1986 Nov;65(5):564–5

THERAPEUTIC USE

Drug-induced arterial spasm relieved by lidocaine. Case report. Sadat-Ali M, et al. **Acta Chir Scand** 1986 Nov; 152:697–9

Amelioration of the ischemic damage of the dog kidney subjected to 90 minutes of warm ischemia by lidocaine pretreatment and low-dose dopamine infusion on revascularization. Rowinski W, et al. **Adv Exp Med Biol** 1987;212:291–6

Double-blind randomized comparison of intravenous tocainide versus lidocaine in the treatment of chronic ventricular arrhythmias. Mohiuddin SM, et al. **Am Heart J** 1987 Aug;114(2):296–302

Efficacy of class Ib (lidocaine-like) antiarrhythmic agents for prevention of sustained ventricular tachycardia secondary to coronary artery disease. Reiter MJ, et al. **Am J Cardiol** 1987 Jun 1;59(15):1319–24

Effects of lidocaine infusion on the sympathetic response to abdominal surgery. Wallin G, et al. **Anesth Analg** 1987 Oct; 66(10):1008–13

Topical analgesia for relief of post-circumcision pain. Tree-Trakarn T, et al. **Anesthesiology** 1987 Sep;67(3):395–9

A clinical comparison of lidocaine and bupivacaine. Spivey WH, et al. **Ann Emerg Med** 1987 Jul;16(7):752–7

Prevention of ventricular fibrillation after myocardial revascularization. Fall SM, et al. **Ann Thorac Surg** 1987 Feb;43(2):182–4

Effect of mexiletine on reperfusion-induced ventricular arrhythmias: comparison with lidocaine. Bonaduce D, et al. **Arch Int Pharmacodyn Ther** 1986 Nov;284(1):19–29

Effect of i.v. lignocaine on pain and the endocrine metabolic responses after surgery. Birch K, et al. **Br J Anaesth** 1987 Jun;59(6):721–4

Comparative haemodynamic effects of intravenous lignocaine, disopyramide and flecainide in uncomplicated acute myocardial infarction. Silke B, et al. **Br J Clin Pharmacol** 1986 Dec;22(6):707–14

Flecainide-induced sustained ventricular tachycardia successfully treated with lidocaine. Bauman JL, et al. **Chest** 1987 Sep;92(3):573–5

Class 1B agents lidocaine, mexiletine, tocainide, phenytoin. Rizzon P, et al. **Eur Heart J** 1987 Mar;8 Suppl A:21–5 (28 ref.)

Tolerability and antiarrhythmic efficacy of disopyramide compared to lignocaine in selected patients with suspected acute myocardial infarction. Rønnevik PK, et al. **Eur Heart J** 1987 Jan;8(1):19–24

Xylocaine treatment for acute herpes zoster [letter] Stadtner DA. **Hosp Pract [Off]** 1986 Dec 15;21(12):16, 21

Relief of blood-induced arterial vasospasm by pharmacologic solutions. Hou SM, et al. **J Reconstr Microsurg** 1987 Jan; 3(2):147–51

Chronic pain treatment with intravenous lidocaine. Petersen P, et al. **Neurol Res** 1986 Sep;8(3):189–90

Effect of lidocaine treatment on acute spinal cord injury. Haghighi SS, et al. **Neurosurgery** 1987 Apr;20(4):536–41

Intravenous lidocaine infusion--a new treatment of chronic painful diabetic neuropathy? Kastrup J, et al. **Pain** 1987 Jan;28(1):69–75

Dercum's disease (adiposis dolorosa). Treatment of the severe pain with intravenous lidocaine. Petersen P, et al. **Pain** 1987 Jan;28(1):77–80

Combination dihydroergotamine mesylate and heparin sodium with lidocaine HCl. Pharmacokinetics, mechanism of action, clinical efficacy, and adverse effects. Barone JA, et al. **Pharmacotherapy** 1986 Jul-Aug;6(4 Pt 2):3S–11S (52 ref.)

Lidocaine to relieve pain with tissue expansion of the breast [letter] Cohen IK, et al. **Plast Reconstr Surg** 1987 Mar; 79(3):489

Treatment of tinnitus with lidocaine and tocainide. Lenarz T. **Scand Audiol [Suppl]** 1986;26:49–51

Pharmacological treatment of tinnitus with special reference to the role of melanin. Lyttkens L. **Scand Audiol [Suppl]** 1986;26:27–31 (45 ref.)

An evaluation of the effect of lidocaine in experimental focal cerebral ischemia. Shokunbi MT, et al. **Stroke** 1986 Sep-Oct;17(5):962–6

Elimination of pain caused by Small-Carrion penile prosthesis. Krauss DJ. **Urology** 1987 May;:22–3

[Comparative study of lidocaine effects on artificial abortion] Li MF. **Chung Hua Hu Li Tsa Chih** 1986 Sep;21(6):250–1 **(Chi)**

[Role of lidocaine in protecting central neurons from ischemic or anoxic damage] Ma SS. **Chung Hua I Hsueh Tsa Chih** 1986 Sep;66(9):544–6 **(Chi)**

[Compare the influence of blood pressure and heart rate response to laryngoscopy and tracheal intubation with lidocaine and fentanyl] Yang CY, et al. **Ma Tsui Hsueh Tsa Chi** 1985 Mar;23(1):22–6 (Eng. Abstr.) **(Chi)**

[Blockade of the left stellate ganglion. Treatment of ventricular arrhythmias in secondary QT prolongation] Nielsen H, et al. **Ugeskr Laeger** 1986 Nov 24;148(48):3221–3 (Eng. Abstr.) **(Dan)**

[Management of ventricular arrhythmias] Halinen MO. **Duodecim** 1986;102(13):853–61 **(Fin)**

[Treatment of Ménière's disease. Middle ear infusion with lidocaine and steroid solution] Sakata E, et al. **Auris Nasus Larynx** 1986;13(2):79–89 (Eng. Abstr.) **(Ger)**

[Preventive use of lidocaine in the prehospital phase of acute myocardial infarct] Lechleitner P, et al. **Wien Med Wochenschr** 1987 Jun 15;137(10–11):216–21 (Eng. Abstr.) **(Ger)**

[Treatment of rhythm disorders with lidocaine (xylocaine)] Pitera A. **Pol Tyg Lek** 1969 Dec 1;24(48):1866–8 **(Pol)**

[Prevention of damages to the microsomal monooxygenases in thermal ischemia of the liver by the separate and combined use of alpha-tocopherol, lidocaine and kontrikal] Sharapov VI, et al. **Farmakol Toksikol** 1987 Mar-Apr; 50(2):107–11 (Eng. Abstr.) **(Rus)**

TOXICITY

The influence of acidosis on the distribution of lidocaine and bupivacaine into the myocardium and brain of the sheep. Nancarrow C, et al. **Anesth Analg** 1987 Oct;66(10):925–35

Differential depressant and electrophysiologic cardiotoxicity of local anesthetics: an experimental study with special reference to lidocaine and bupivacaine. Nath S, et al. **Anesth Analg** 1986 Dec;65(12):1263–70

Reproductive and teratogenic effects of lidocaine in Sprague-Dawley rats. Fujinaga M, et al. **Anesthesiology** 1986 Dec;65(6):626–32

Effect on the seizure threshold in dogs of tocainide/lidocaine administration. Schuster MR, et al. **Ann Emerg Med** 1987 Jul;16(7):749–51

Effect of repetitive lidocaine infusion on peripheral nerve. Kroin JS, et al. **Exp Neurol** 1986 Oct;94(1):166–73

URINE

Acetylation and pentafluorobenzoylation of lidocaine metabolites in aqueous solution and identification of derivatives by combined gas chromatography/mass spectrometry. Coutts RT, et al. **Biomed Environ Mass Spectrom** 1987 Apr;14(4):173–82

LIDOFLAZINE see under **PIPERAZINES**

LIE DETECTION

A conceptual model for judging the truthfulness of a young child's allegation of sexual abuse. de Young M. **Am J Orthopsychiatry** 1986 Oct;56(4):550–9

Polygraph. AMA Council on Scientific Affairs. **Conn Med** 1986 Nov;50(11):761–5

Late vertex positivity in event-related potentials as a guilty knowledge indicator: a new method of life detection. Rosenfeld JP, et al. **Int J Neurosci** 1987 May;34(1–2):125–9

Voice stress evaluators and lie detection. Hollien H, et al. **J Forensic Sci** 1987 Mar;32(2):405–18 (80 ref.)

Effect of biofeedback on the detection of deception. Timm HW. **J Forensic Sci** 1987 May;32(3):736–46

The predictive power of the polygraph: the lies lie detectors tell [letter] **JAMA** 1987 Jan 9;257(2):189–90

LIFE CARE CENTERS, RETIREMENT see **HOMES FOR THE AGED**

LIFE CHANGE EVENTS

Life events and relapse in bipolar disorder: the impact of a catastrophic event. Aronson TA, et al. **Acta Psychiatr Scand** 1987 Jun;75(6):571–6

Transcultural differences in the perception of life events. Baratta S, et al. **Acta Psychiatr Scand** 1987 May; 75(5):509–15

Psychosocial variables and the life event/anxiety-depression link. A community study. Cooke DJ. **Acta Psychiatr Scand** 1986 Sep;74(3):281–91

Antisocial behavior, school performance, and reactions to loss: the value of group counseling and communication skills training. Fleisher SJ, et al. **Adolesc Psychiatry** 1987; 14:546–55

Methodology of life events research. Paykel ES. **Adv Psychosom Med** 1987;17:13–29 (70 ref.)

Stress management applications raising awareness for effective self-help. White RG. **Ala Med** 1986 Sep; 56(3):34–5

The interaction of stressful life events and chronic strains on community mental health. Evans GW, et al. **Am J Community Psychol** 1987 Feb;15(1):23–34

The effects of life crisis on psychological adjustment. Zautra A, et al. **Am J Community Psychol** 1978 Apr;6(2):125–35

Measuring small life events. Zautra AJ, et al. **Am J Community Psychol** 1986 Dec;14(6):629–55

Temperament as a moderator of children's stressful experiences. Wertlieb D, et al. **Am J Orthopsychiatry** 1987 Apr;57(2):234–45

Association between stress and blood pressure variation in a Caribbean population. Hutchinson J. **Am J Phys Anthropol** 1986 Sep;71(1):69–79

Stressful life events and the onset of a generalized anxiety syndrome. Blazer D, et al. **Am J Psychiatry** 1987 Sep; 144(9):1178–83

Long-term effects of extreme situational stress on sleep and dreaming. Hefez A, et al. **Am J Psychiatry** 1987 Mar; 144(3):344–7

Life events, depressive symptoms, and immune function. Irwin M, et al. **Am J Psychiatry** 1987 Apr;144(4):437–41

Life events and the onset of panic disorder. Roy-Byrne PP, et al. **Am J Psychiatry** 1986 Nov;143(11):1424–7

Stressful life events and psychiatric hospitalization of mentally retarded patients. Stack LS, et al. **Am J Psychiatry** 1987 May;144(5):661–3

Westchester crisis counseling program [news] Beane RH. **Am J Public Health** 1987 Jun;77(6):739

Psychosocial factors and suicidal behavior. Life events, early loss, and personality. Cross CK, et al. **Ann NY Acad Sci** 1986;487:77–89

Life stress and psychologic adjustment following spinal cord injury. Frank RG, et al. **Arch Phys Med Rehabil** 1987 Jun; 68(6):344–7

Comments on D. J. cooke & C. A. Allan's 'Stressful life events and alcohol abuse in women'. Gorman DM. **Br J Addict** 1986 Oct;81(5):651–4

Life events and addiction: a critical review. O'Doherty F, et al. **Br J Addict** 1987 Feb;82(2):127–37 (46 ref.)

Sudden idiopathic hearing loss: psychopathology and antecedent stressful life-events. Neuser J, et al. **Br J Med Psychol** 1986 Sep;59 (Pt 3):245–51

Threatening life events in the onset of schizophrenia, schizophreniform psychosis and hypomania. Chung RK, et al. **Br J Psychiatry** 1986 Jun;148:680–5

The epidemiology of life events and long-term difficulties, with some reflections on the concept of independence. Miller PM, et al. **Br J Psychiatry** 1986 Jun;148:686–96

The place of attachment in the life events model of stress and illness [letter] McFarlane AH. **Can J Psychiatry** 1986 Nov;31(8):792–3

The family cancer experience. Thorne S. **Cancer Nurs** 1985 Oct;8(5):285–91

Stressful life events preceding the acute onset of schizophrenia: a cross-national study from the World Health Organization. Day R, et al. **Cult Med Psychiatry** 1987 Jun;11(2):123–205

The relationship of life events and stress to neurosis in China: comparison of 105 neurotic patients to 103 normal controls. Zheng YP, et al. **Cult Med Psychiatry** 1986 Sep; 10(3):245–58

Life stress and hypertension. Heine H, et al. **Eur Heart J** 1987 May;8 Suppl B:45–55 (30 ref.)

Infertility as boundary ambiguity: one theoretical perspective. Burns LH. **Fam Process** 1987 Sep;26(3):359–72

Chronic illness and the life cycle: a conceptual framework. Rolland JS. **Fam Process** 1987 Jun;26(2):203–21

Treatment of families during life transitions: matching treatment to family response. Worthington EL Jr. **Fam Process** 1987 Jun;26(2):295–308

Life events stress and psychosocial factors in men with peptic ulcer disease. A multidimensional case-controlled study. Feldman M, et al. **Gastroenterology** 1986 Dec;91(6):1370–9

Why the notion persists that retirement harms health. Ekerdt DJ. **Gerontologist** 1987 Aug;27(4):454–7

Stress in racial differences in self-reported health among the elderly. Krause N. **Gerontologist** 1987 Feb;27(1):72–6

Life events, psychiatric illness and the irritable bowel syndrome. Ford MJ, et al. **Gut** 1987 Feb;28(2):160–5

Idiopathic headaches: relationship to life events. Nattero G, et al. **Headache** 1986 Nov;26(10):503–8

Psychosocial stress and coping in smokers who relapse or quit. Abrams DB, et al. **Health Psychol** 1987;6(4):289–303

Social support, life stress, and subsequent medical care utilization. Pilisuk M, et al. **Health Psychol** 1987;6(4):273–88

Health practices and hardiness as mediators in the stress-illness relationship. Wiebe DJ, et al. **Health Psychol** 1986;5(5):425–38

Life stress and ecological status: predictors of symptoms in schizophrenic veterans. Land HM. **Health Soc Work** 1986 Fall;11(4):254–64

Intensive care staff stressors and life event changes across multiple settings and work units. Spoth R, et al. **Heart Lung** 1987 May;16(3):278–84

The relationship between early life events and DSM III personality disorders. Reich J. **Hillside J Clin Psychiatry** 1986;8(2):164–73

Psychosocial crises of older men. Solomon K. **Hillside J Clin Psychiatry** 1984;6(1):123–34

Critical life-cycle issues. Alger I. **Hosp Community Psychiatry** 1987 Apr;38(4):347–8, 352

The influence of historical events on psychoanalysis: a case history. Hinze E. **Int J Psychoanal** 1986;67 (Pt 4):459–66

A delusional system as a defence against the re-emergence of a catastrophic situation. Segal H. **Int J Psychoanal** 1972; 53 (Pt 3):393–401

Psychosocial mediators in the life event-illness relationship in a Chinese setting. Chan DW. **Int J Psychosom** 1986; 33(4):3–10

Life events and combat stress reaction in the 1982 war in Lebanon. Solomon Z, et al. **Isr J Psychiatry Relat Sci** 1986; 23(1):9–16

Cognition and social adversity in the depressed elderly. Lam DH, et al. **J Abnorm Psychol** 1987 Feb;96(1):23–6

Adversity and working class vulnerability to minor affective disorder. Bebbington PE, et al. **J Affective Disord** 1986 Sep-Oct;11(2):115–20

Life stress, chronic subclinical symptoms and vulnerability to clinical depression. Brown GW, et al. **J Affective Disord** 1986 Jul-Aug;11(1):1-19

Psychosocial factors and episode number in depression. Exquiaga E, et al. **J Affective Disord** 1987 Mar-Apr; 12(2):135-8

Life events and other factors implicated in onset and in remission of psychiatric illness in women. Miller PM, et al. **J Affective Disord** 1987 Jan-Feb;12(1):73-88

Life events obtained via interview: the effect of time of recall on data obtained in controls and patients with panic disorder. Roy-Byrne P, et al. **J Affective Disord** 1987 Jan-Feb;12(1):57-62

Ratings of psychosocial stressors in adolescence using DSM-III Axis IV criteria. Plapp JM, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Jan;26(1):80-6

More thoughts on dentists at midlife [letter] **J Am Dent Assoc** 1986 Sep;113(3):366, 368

Childhood amnesia: a conceptualization in cognitive-psychological terms. Wetzler SE, et al. **J Am Psychoanal Assoc** 1986;34(3):663-85

Type A, marital adjustment, and life stress. Blaney NT, et al. **J Behav Med** 1986 Oct;9(5):491-502

Life events do not predict symptoms: symptoms predict symptoms. Grant I, et al. **J Behav Med** 1987 Jun; 10(3):231-40

Do age and sex influence the association between recent life events and psychiatric disorders in children and adolescents?--A controlled enquiry. Goodyer IM, et al. **J Child Psychol Psychiatry** 1986 Sep;27(5):681-7

Health and hassles in older and younger men. Ewedemi F, et al. **J Clin Psychol** 1987 Jul;43(4):347-53

The perception of life events in depressed inpatients and hospitalized controls. Power MJ. **J Clin Psychol** 1987 Mar; 43(2):206-11

Differences between experienced and anticipatory distress. Sowa CJ, et al. **J Clin Psychol** 1986 Sep;42(5):703-7

Frequency, quality, and impact of life events in self-rated depressed, behavioral-problem, and normal children. Beck S, et al. **J Consult Clin Psychol** 1986 Dec;54(6):863-4

Assessment of major and daily stressful events during adolescence: the Adolescent Perceived Events Scale. Compas BE, et al. **J Consult Clin Psychol** 1987 Aug; 55(4):534-41

Social competence and parental support as mediators of the link between stress and metabolic control in adolescents with insulin-dependent diabetes mellitus. Hanson CL, et al. **J Consult Clin Psychol** 1987 Aug;55(4):529-33

Validation of the Impact of Event Scale for psychological sequelae of combat. Schwarzwald J, et al. **J Consult Clin Psychol** 1987 Apr;55(2):251-6

A randomized controlled evaluation of an educational program in adults with high psychosocial risk of morbidity. Blake RL Jr, et al. **J Fam Pract** 1987 Apr;24(4):369-76

The impact of daily stressors on women's adjustment to marital separation. Oppenheimer K. **J Fam Pract** 1987 May; 24(5):507-11

Daily versus major life events as predictors of symptom frequency: a replication study. Jandorf L, et al. **J Gen Psychol** 1986 Jul;113(3):205-18

Transitory impact of life-event stress on psychological symptoms in older adults. Norris FH, et al. **J Health Soc Behav** 1987 Jun;28(2):197-211

Gender and marital status differences in control and distress: common stress versus unique stress explanations. Thoits PA. **J Health Soc Behav** 1987 Mar;28(1):7-22

Temporal relationship between life events and two illness measures: a cross-lagged panel analysis. Antoni MH. **J Human Stress** 1985 Spring;11(1):21-6

Stress and well-being in adolescence: the moderating role of physical exercise. Brown JD, et al. **J Human Stress** 1986 Fall;12(3):125-31

Everyday problems and life change events: ongoing versus acute sources of stress. Burks N, et al. **J Human Stress** 1985 Spring;11(1):27-35

Relationships among negative life events, physiological reactivity, and health symptomatology. Cohen LH, et al. **J Human Stress** 1986 Winter;12(4):142-8

The life events stress-performance linkage: an exploratory study. De Meuse KP. **J Human Stress** 1985 Fall;11(3):111-7

The effect of recent life events stress, life assets, and temperament pattern on cardiovascular risk factors for Akron City police officers. Ely DL, et al. **J Human Stress** 1986 Summer;12(2):77-91

Health status as a mediating factor in the life change-academic performance relationship. Garrity TF, et al. **J Human Stress** 1985 Fall;11(3):118-24

Psychosocial stress, symptoms, and anxiety of male and female teachers in Greece. Georgas J, et al. **J Human Stress** 1984 Winter;10(4):191-7

Periodontal disease as a function of life events stress. Green LW, et al. **J Human Stress** 1986 Spring;12(1):32-6

Global perceived stress level as a moderator of the relationship between negative life events and depression. Kuiper NA, et al. **J Human Stress** 1986 Winter;12(4):149-53

The measurement of subjective response to stressful life events. Marziali EA, et al. **J Human Stress** 1986 Spring; 12(1):5-12

Dimensions of life stress in psychiatric patients. Pilkonis PA, et al. **J Human Stress** 1985 Spring;11(1):5-10

Changes in daily event frequency precede episodes of physical symptoms. Stone AA, et al. **J Human Stress** 1987 Summer;13(2):70-4

Relationship of life stress to injury in intercollegiate volleyball. Williams JM, et al. **J Human Stress** 1986 Spring; 12(1):38-43

Life events assessment of depressed patients: a comparison of self-report and interview formats. Zimmerman M, et al. **J Human Stress** 1986 Spring;12(1):13-9

A comparison of life events scoring methods as predictors of psychological symptomatology. Zuckerman LA, et al. **J Human Stress** 1986 Summer;12(2):64-70

Sources of stress in postgraduate medical training. Taylor AD, et al. **J Med Educ** 1987 May;62(5):425-8

Predictability of course of illness in manic patients positive for life events. Ambelas A, et al. **J Nerv Ment Dis** 1986 Nov;174(11):693-5

Posttraumatic stress disorder. The stressor criterion. Breslau N, et al. **J Nerv Ment Dis** 1987 May;175(5):255-64 (78 ref.)

Posttraumatic stress disorder and the perennial stress-diathesis controversy. Escobar JI. **J Nerv Ment Dis** 1987 May;175(5):265-6

The stressor criterion and posttraumatic stress disorder. Lindy JD, et al. **J Nerv Ment Dis** 1987 May;175(5):269-72

Loss and depression. A controversial link. O'Neil MK, et al. **J Nerv Ment Dis** 1987 Jun;175(6):354-7

Posttraumatic stress disorder: the stressor criterion. Ursano RJ. **J Nerv Ment Dis** 1987 May;175(5):273-5

Life stress and diabetic control in children and adolescents with insulin-dependent diabetes. Brand AH, et al. **J Pediatr Psychol** 1986 Dec;11(4):481-95

Resilience in children at high risk for psychological disorder. O'Grady D, et al. **J Pediatr Psychol** 1987 Mar;12(1):3-23

Correlates of social support receipt. Dunkel-Schetter C, et al. **J Pers Soc Psychol** 1987 Jul;53(1):71-80

Personality and social resources in immediate and continued stress resistance among women. Hobfoll SE, et al. **J Pers Soc Psychol** 1987 Jan;52(1):18-26

Power and affiliation motivation, stress, and abuse in intimate relationships. Mason A, et al. **J Pers Soc Psychol** 1987 Jan; 52(1):203-10

Life events and substance use among adolescents: mediating effects of perceived loss of control and meaninglessness in life. Newcomb MD, et al. **J Pers Soc Psychol** 1986 Sep; 51(3):564-77

Coping in stressful episodes: the role of individual differences, environmental factors, and situational characteristics. Parkes KR. **J Pers Soc Psychol** 1986 Dec;51(6):1277-92

Depression, self-focused attention, and expectancies for positive and negative future life events for self and others. Pyszczynski T, et al. **J Pers Soc Psychol** 1987 May; 52(5):994-1001

Social ties: subgroup differences in costs and benefits. Riley D, et al. **J Pers Soc Psychol** 1986 Oct;51(4):770-8

Social support versus companionship: effects on life stress, loneliness, and evaluations by others. Rook KS. **J Pers Soc Psychol** 1987 Jun;52(6):1132-47

Sex roles and social support as moderators of life stress adjustment. Roos PE, et al. **J Pers Soc Psychol** 1987 Mar; 52(3):576-85

Event content in a daily survey is differentially associated with concurrent mood. Stone AA. **J Pers Soc Psychol** 1987 Jan;52(1):56-8

The accuracy of dating childhood life events on a parental questionnaire. Bailey D, et al. **J Psychosom Res** 1986; 30(6):655-62

Life event stress and chronic difficulties in duodenal ulcer: a case control study. Gilligan I, et al. **J Psychosom Res** 1987;31(1):117-23

Heart disease mortality following widowhood: some results from the OPCS Longitudinal Study. Office of Population Censuses and Surveys. Jones DR. **J Psychosom Res** 1987; 31(3):325-33

Sex differences in prolactin change during mourning. Lane RD, et al. **J Psychosom Res** 1987;31(3):375-83

Acute chest pain without obvious organic cause before age 40--personality and recent life events. Roll M, et al. **J Psychosom Res** 1987;31(2):215-21

Facilitating the transitions of adolescence. Council on Adolescent Development. Hamburg DA, et al. **JAMA** 1987 Jun 26;257(24):3405-6

Life events related to the conception of anxiety neurosis. Takeuchi T, et al. **Jpn J Psychiatry Neurol** 1986 Jun; 40(2):137-42

Coping among the non-institutionalised ill elderly. Thambypillai V. **Med J Malaysia** 1986 Jun;41(2):116-22

Psychological impact of neurotrauma in the acute care setting. Bourdon SE. **Nurs Clin North Am** 1986 Dec; 21(4):629-40

Life span changes: implications for ostomy care. Motta GJ. **Nurs Clin North Am** 1987 Jun;22(2):333-9

Anxiety and life events in childhood migraine. Cooper PJ, et al. **Pediatrics** 1987 Jun;79(6):999-1004

Reminiscence and life review in the elderly. Priefer BA, et al. **Psychiatr Med** 1984 Apr;2(1):91-100

Countertransference, empathy, and the analytic ideal: the impact of life stresses on analytic capability. Abend SM. **Psychoanal Q** 1986 Oct;55(4):563-75

Talking with toddlers. Novick KK. **Psychoanal Study Child** 1986;41:277-86

Reflections on the problem of psychic trauma. Yorke C. **Psychoanal Study Child** 1986;41:221-36

Stress, anxiety, and birth outcomes: a critical review of the evidence. Istvan J. **Psychol Bull** 1986 Nov;100(3):331-48

The buffer theory of social support--a review of the literature. Alloway R, et al. **Psychol Med** 1987 Feb; 17(1):91-108

Life stress and psychosomatic symptoms among 14 to 16-year old Finnish adolescents. Aro H. **Psychol Med** 1987 Feb; 17(1):191-201

Stressor, vulnerability and depression: a question of replication. Brown GW, et al. **Psychol Med** 1986 Nov; 16(4):739-44

Vulnerability to life events exposure. Fergusson DM, et al. **Psychol Med** 1987 Aug;17(3):739-49

Stressor and coping response inventories for children. Elwood SW. **Psychol Rep** 1987 Jun;60(3 Pt 1):931-47

Long-term stability of the Rational Behavior Inventory and the General Health Questionnaire. Sanderman R, et al. **Psychol Rep** 1987 Apr;60(2):637-8

Life events, depression, and natural killer cell activity. Irwin M, et al. **Psychopharmacol Bull** 1986;22(4):1093-6

Efficiency of coping with a real-life stressor: a multimodal comparison of aerobic fitness. Brooke ST, et al. **Psychophysiology** 1987 Mar;24(2):173-80

Influence of aerobic exercise training and relaxation training on physical and psychologic health following stressful life events. Roth DL, et al. **Psychosom Med** 1987 Jul-Aug; 49(4):355-65

Psychological influences on immunity. Kiecolt-Glaser JK, et al. **Psychosomatics** 1986 Sep;27(9):621-4

Transitional service centers: from school to work for students with developmental disabilities. Schwamm JB. **Rehabil Lit** 1986 Sep-Oct;47(9-10):236-9

Unraveling the effects of multiple life changes. A reanalysis. Hatch LR, et al. **Res Aging** 1986 Dec;8(4):505-14

Relationships between critical life events, job stress and cardiovascular illness. Theorell T. **Rev Epidemiol Sante Publique** 1987;35(1):36-45 (57 ref.)

A prospective study of social factors and major life event stress in patients with dyspepsia of unknown cause. Talley NJ, et al. **Scand J Gastroenterol** 1987 Apr;22(3):268-72

Stress, personality and hyperthyroidism. Kua EH, et al. **Singapore Med J** 1987 Feb;28(1):76-9

For a new use of life event questionnaires: study of the life events world of a population of male and female alcoholics. Preliminary results. Remy M, et al. **Soc Psychiatry** 1987; 22(1):49-57

Social stress, normative constraints and alcohol problems in American states. Linsky AS, et al. **Soc Sci Med** 1987; 24(10):875-83

[Life events, risk factor or risk indicator?] Amiel-Lebigre F. **Acta Psychiatr Belg** 1986 Jul-Aug;86(4):425-30 (Eng. Abstr.) (Fre)

[Suicide: study of events related to patterns of mental functioning of certain subjects at high risk for suicide. Data from the emergency service of a general hospital] Henniaux M. **Acta Psychiatr Belg** 1986 Sep-Oct;86(5):533-8 (Eng. Abstr.) (Fre)

[Evaluation of pathogenic events in psychiatric patients using the anamnestic fiches of the AMDP system] Rein W, et al. **Acta Psychiatr Belg** 1987 Mar-Apr;87(2):141-58 (Eng. Abstr.) (Fre)

[Life events and breast cancer. Initial results of a comparative study dealing with 100 cases and their control] Terra JL, et al. **Acta Psychiatr Belg** 1986 Jul-Aug;86(4):496-501 (Eng. Abstr.) (Fre)

[Life events and cancer of the breast] Guillaud-Bataille JM, et al. **Ann Med Psychol (Paris)** 1986 Jun;144(6):621-7 (Fre)

[Psychiatry and crisis. The demands of society] Foëx J. **Schweiz Arch Neurol Psychiatr** 1986;137(6):9-16 (Fre)

[The psychiatry of crisis] Rey-Bellet J. **Schweiz Arch Neurol Psychiatr** 1986;137(6):5-7 (Fre)

[Disease as a fate of being ill?] Hartmann F. **Med Klin** 1987 Feb 13;82(3):119-26 (Ger)

[Stress and spontaneous hemorrhage in hemophilic patients] Strik WK, et al. **Med Klin** 1987 Apr 24;82(9):308-12 (Eng. Abstr.) (Ger)

[Biographic diagnosis--a critical review] Guthke J. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Oct; 38(10):561-71 (Eng. Abstr.) (Ger)

[Contribution of psychosocial factors to the outbreak and course of acute viral hepatitis--report of a pilot study] Paar GH, et al. **Psychother Psychosom Med Psychol** 1987 Jan; 37(1):23-30 (Eng. Abstr.) (Ger)

[Health, luck, and satisfaction in the light of a catamnestic study of psychiatric patients and healthy probands] von Zerssen D, et al. **Psychother Psychosom Med Psychol** 1987 Mar-Apr;37(3-4):83-96 (Eng. Abstr.) (Ger)

[Crisis intervention in the day clinic] Erlanger A. **Schweiz Arch Neurol Psychiatr** 1986;137(6):89-92 (Ger)

[Psychodynamic aspects of crisis] Labhardt F. **Schweiz Arch Neurol Psychiatr** 1986;137(6):17-20 (Ger)

[Crises in interpersonal relations--stimulation or blocking of mutual growth?] Willi J. **Schweiz Arch Neurol Psychiatr** 1986;137(6):21-31 (Eng. Abstr.) (Ger)

[Biographical correlates of mental health in advanced age: effect of stressful and positive life change events] Becker P. **Z Klin Psychol Psychopathol Psychother** 1986; 34(4):293-307 (Ger)

[Childhood stress and neurosis--results of a control group study] Lieberz K, et al. **Z Psychosom Med Psychoanal** 1987; 33(2):111-8 (Eng. Abstr.) (Ger)

[Schizoid versus hysterical personality structure. II: Social behavior of precipitating events] Studt HH.

Z Psychosom Med Psychoanal 1986;32(4):361–70 (Eng. Abstr.) (Ger)
[Psoriasis and stress events] Polenghi MM, et al.
G Ital Dermatol Venereol 1987 Apr;122(4):167–70 (Eng. Abstr.) (Ita)
[Role of stressful life events in the etiopathogenesis of headache] Torre E, et al. Minerva Med 1987 Jul 31; 78(14):1003–7 (Ita)
[Essential headaches and life events. A prolonged state of stress: an important factor in the etiopathopathogenesis of muscle–tension headache?] Torre E, et al.
Minerva Psichiatr 1986 Jul–Sep;27(3):249–53 (Eng. Abstr.) (Ita)
[The mid–life crisis] Komarovsky S.
Acta Psiquiatr Psicol Am Lat 1986 Sep;32(3):203–6 (Eng. Abstr.) (Spa)

LIFE EXPECTANCY

Cholesterol reduction and life expectancy [letter]
Ann Intern Med 1987 Jul;107(1):122–3
Cholesterol and mortality: assumptions, possible errors [letter] Ann Intern Med 1987 Sep;107(3):420–2
Cholesterol reduction and life expectancy [letter] Citkowitz E. Ann Intern Med 1987 Aug;107(2):255–6
Cholesterol reduction and life expectancy. A model incorporating multiple risk factors. Taylor WC, et al.
Ann Intern Med 1987 Apr;106(4):605–14
Correlation between life expectancy, flightlessness and actomyosin adenosine triphosphatase activity in the housefly, Musca domestica [published erratum appears in Arch Gerontol Geriatr 1986 Dec;5(4):371] Toy PL, et al.
Arch Gerontol Geriatr 1986 Oct;5(3):183–8
Interdepartmental differences in life expectancy at birth in Peru as it relates to income, household drinking–water, and provision of medical consultations. Heysen S, et al.
Bull Pan Am Health Organ 1986;20(1):31–44
General situation and features of geriatric epidemiological study in China. Liu BS, et al. Chin Med J [Engl] 1986 Aug;99(8):619–27
Social epidemiology of aging in the United States. Wetle T. Chin Med J [Engl] 1986 Jun;99(6):485–9
Three–dimensional dose–response models of competing risks and natural life span. Raabe OG. Fundam Appl Toxicol 1987 May;8(4):465–73
Life expectancy of kibbutz members. Leviatan U, et al.
Int J Aging Hum Dev 1986;23(3):195–205
Changes in life expectancy of mentally retarded persons in Canadian institutions: a 12–year comparison. Wolf LC, et al. J Ment Defic Res 1987 Mar;31 (Pt 1):41–59
Life expectancy in Down syndrome. Baird PA, et al.
J Pediatr 1987 Jun;110(6):849–54
The female life span. Bayliss R, et al.
J R Coll Physicians Lond 1986 Oct;20(4):290–3
Quality–adjusted life–years [letter] Lancet 1987 Jun 13; 1(8546):1372–3
Relationship between life expectancy, endogenous antioxidants and products of oxygen free radical reactions in the housefly, Musca domestica. Sohal RS, et al.
Mech Ageing Dev 1986 Sep;36(1):71–7
Risk preference and laboratory use. Nightingale SD.
Med Decis Making 1987 Jul–Sep;7(3):168–72
Life expectancy and mental retardation. A longitudinal study in a state residential facility. Eyman RK, et al.
Monogr Am Assoc Ment Defic 1987;(7):1–73
Life span of springtail on 12–hr shifts at varying intervals of 12–hr alternation in ambient temperature. Marques MD, et al. Prog Clin Biol Res 1987;227A:257–64
Life expectancy and health status of the aged. Chapman SH, et al. Soc Secur Bull 1986 Oct;49(10):24–48
Recent international changes in longevity.
Stat Bull Metrop Insur Co 1986 Jan–Mar;67(1):16–21
Increased chances of a golden wedding anniversary.
Stat Bull Metrop Insur Co 1986 Apr–Jun;67(2):2–6
Longevity gains by state. Stat Bull Metrop Insur Co 1986 Oct–Dec;67(4):12–7
[Some epidemiologic aspects of the aged in China] Liu BS, et al. Chung Hua I Hsueh Tsa Chih 1986 Aug;66(8):501–3 (10 ref.) (Chi)
[A preliminary study on the relation of heredity to lifespan] Zhu ZM. Chung Hua I Hsueh Tsa Chih 1986 May; 66(5):295–8, 320 (Eng. Abstr.) (Chi)
[Proposals on the improvement of sanitary and health services] Liu RZ.
Chung Hua Liu Hsing Ping Hsueh Tsa Chih 1987 Apr; 8(2):114–6 (Chi)
[Analysis of potential years of life lost in the mortality data of Suzhou (1973–1983)] Wu WZ.
Chung Hua Yu Fang I Hsueh Tsa Chih 1986 Sep;20(5):272–5 (Eng. Abstr.) (Chi)
[Altered time perspective (editorial)] Munnichs JM.
Tijdschr Gerontol Geriatr 1987 Feb;18(1):1 (Dut)
[Can the quality and duration of life be integrated? Proposal for a new criterion for decision] Asselain B, et al.
Bull Cancer (Paris) 1986;73(6):709–12 (Eng. Abstr.) (Fre)
[Impact of alcoholism mortality on the entire population and on the active French population] Leboucher L, et al.
Rev Epidemiol Sante Publique 1986;34(6):382–6 (Eng. Abstr.) (Fre)
[Method of global evaluation of life expectancy and quality of life in bronchial cancer] Minet P, et al.
Rev Med Liege 1986 Sep 1;41(17):637–48 (Fre)
[Spontaneous diseases as limiting factors in the life expectancy of laboratory rats] Deerberg F, et al. DTW 1987 Feb 9;94(2):53–5 (Eng. Abstr.) (Ger)
[Mean age at death for selected causes of death and the mortality rate in West Germany 1958 and 1978] Junge B, et al. Siebensversicherungsmedizin 1987 Mar 1;39(2):50–5 (Eng. Abstr.) (Ger)
[Smoking habits, life expectancy and cause of death] Tetzner W. Z Erkr Atmungsorgane 1986;167(1–2):87–90 (Eng. Abstr.) (Ger)
[Life expectancy of diabetics] Schubert A.
Z Gesamte Inn Med 1986 Dec 1;41(23):667–8 (Eng. Abstr.) (Ger)
[Nutrition as a prosperity killer] Diehl HA. Z Orthop 1986 Jul–Aug;124(4):372–6 (Ger)
[Prospects of health risk in the year 2000] Brzeziński ZJ, et al. Pol Tyg Lek 1987 Jan 6;42(1):6–10 (Pol)
[How some serious diseases affect the mean life span of the Czechoslovak population] Strnad L.
Sb Ved Pr Lek Fak Univ Karlovy 1985;28(1–2):81–9 (Rus)
[A new family of distributions for the parametric analysis of data on the life expectancy of tumor carriers] Kamynina TV, et al. Vopr Onkol 1987;33(6):23–8 (Rus)
[A myth of the curse of the pharaohs (letter)] Costa P.
Med Clin (Barc) 1987 May 9;88(18):738–9 (Spa)
[Necessity of using homogeneous criteria for calculating the potential years lost in life (letter)] Segura A, et al.
Med Clin (Barc) 1987 Mar 7;88(9):390–1 (Spa)

LIFE EXPERIENCES see LIFE CHANGE EVENTS

LIFE ISLANDS see PATIENT ISOLATORS

LIFE STYLE

see related
SOCIAL ENVIRONMENT
Physical activity, other life–style patterns, cardiovascular disease and longevity. Paffenbarger RS Jr, et al.
Acta Med Scand [Suppl] 1986;711:85–91 (12 ref.)
Non–pharmacological treatment of hypertension in two steps—1 year report from eight health centres. Tibblin G, et al. Acta Med Scand [Suppl] 1986;714:105–12
Identity diffusion: a long–term follow–up. Josselson R.
Adolesc Psychiatry 1987;14:230–58
Health needs and concerns of male adolescents. Pinch WJ, et al. Adolescence 1986 Winter;21(84):961–9
How should changes in life–style be measured in cardiovascular disease? Storstein L. Am Heart J 1987 Jul; 114(1 Pt 2):210–2
Life–style correlates of risk factor change in young adults: an eight–year study of coronary heart disease risk factors in the Framingham offspring [published erratum appears in Am J Epidemiol 1987 Sep;126(3):559] Hubert HB, et al. Am J Epidemiol 1987 May;125(5):812–31
Predictors of atherosclerosis in the Honolulu Heart Program. I. Biologic, dietary, and lifestyle characteristics. Reed DM, et al. Am J Epidemiol 1987 Aug;126(2):214–25
Direction of effects: family life styles and behavior of TMR children. Mink IT, et al. Am J Ment Defic 1987 Jul; 92(1):57–64
Cholesterol reduction and life expectancy [letter]
Ann Intern Med 1987 Jul;107(1):122–3
Lifestyle factors affecting intrapair differences of serum apoproteins and cholesterol concentrations in adult identical twins. Hayakawa K, et al. Atherosclerosis 1987 Jul;66(1–2):1–9
Psychiatrists and drug use: implications of alternatives to the 'disease' concept. Drew LR. Aust NZ J Psychiatry 1986 Sep;20(3):376–80
Self–neglect or chosen lifestyle? [letter] Roe PF.
Br J Hosp Med 1987 Jan;37(1):83–4
Health and social status of elderly Asians: a community survey. Donaldson LJ. Br Med J [Clin Res] 1986 Oct 25; 293(6554):1079–82
Are general practitioners doing enough to promote healthy lifestyle? Findings of the Medical Research Council's general practice research framework study on lifestyle and health. Wallace PG, et al. Br Med J [Clin Res] 1987 Apr 11;294(6577):940–2
Healthy living: everyone's decision.
Bull Pan Am Health Organ 1986;20(2):198–202
Realizing our health potential. Guerra de Macedo C.
Bull Pan Am Health Organ 1986;20(2):196–8
Becoming winners for health. Mahler HT.
Bull Pan Am Health Organ 1986;20(2):194–6
Health practices of Edmontonians. Kurji K, et al.
Can J Public Health 1986 Sep–Oct;77(5):320
The Vancouver Lymphadenopathy–AIDS Study: 5. Antecedent behavioural, clinical and laboratory findings in patients with AIDS and HIV–seropositive controls. Boyko WJ, et al. Can Med Assoc J 1986 Oct 15; 135(8):881–7
Environmental risk factors in coronary artery disease. Tyroler HA, et al. Circulation 1987 Jul;76(1 Pt 2):I139–44 (27 ref.)
Psychological response to an acute coronary event and its effect on subsequent rehabilitation and lifestyle change. Guiry E, et al. Clin Cardiol 1987 Apr;10(4):256–60
AIDS and gay youth: attitudes and lifestyle modifications in young male homosexuals. Millan G, et al.
Community Health Stud 1987;11(1):50–3
Health and behavioural change: some lay perspectives. Hunt SM, et al. Community Med 1987 Feb;9(1):68–76
Lifestyle, metabolic control and social implications of pump therapy in 54 routine type I diabetic patients. Grimm JJ, et al. Diabete Metab 1987 Feb;13(1):3–11
Young diabetics: memories, current lifestyles and attitudes. Mok JY, et al. Diabetic Med 1984 Sep;1(3):227–30
Preventive medicine: physician practices, beliefs, and perceived barriers for implementation. Henry RC, et al.
Fam Med 1987 Mar–Apr;19(2):110–3
Predictors of recall of medication regimens and recommendations for lifestyle change in elderly patients. Rost K, et al. Gerontologist 1987 Aug;27(4):510–5
Negotiating life–style: an employer trend? Powills S.
Hospitals 1987 May 20;61(10):60
The construction of a day by elderly widowers. Rubinstein RL. Int J Aging Hum Dev 1986;23(3):161–73
Lifestyle for healthy baby—how you can best counsel your patients. Sipes SL. Iowa Med 1986 Sep;76(9):413–7
The lifestyling program. Vierke S.
J Am Coll Health Assoc 1979 Dec;28(3):186–7
Health awareness and life–style practices of employees in extended–care facilities. Shoaf LR. J Am Diet Assoc 1986 Dec;86(12):1693–7
A healthy lifestyle for a healthy heart. Kuk K.
J Am Osteopath Assoc 1987 Feb;87(2):156–60
The use of surrogate respondents to obtain questionnaire data in case–control studies of neurologic diseases. Rocca WA, et al. J Chronic Dis 1986;39(11):907–12
Personal health practices, health status, and expected control over future health. Rakowski W. J Community Health 1986 Fall;11(3):189–203
Lifestyle differences between young adult cocaine users and their nonuser peers. Castro FG, et al. J Drug Educ 1987; 17(2):89–111
A study of lesbian lifestyles in the homosexual micro–culture and the heterosexual macro–culture. Albro JC, et al.
J Homosex 1979 Summer;4(4):331–44
Lifestyle/environmental factors and blood cadmium levels in hypertensive and normotensive individuals. Fontana SA, et al. J Hypertens [Suppl] 1986 Dec;4(5):S361–3
Healthy living: everyone a winner. Roy BN.
J Indian Med Assoc 1986 Apr;84(4):101–4
Life–style and organizational health insurance costs. Vickery DM, et al. J Occup Med 1986 Nov;28(11):1165–8
Comprehensive health/lifestyle education in the secondary schools ... an idea whose time has come? [editorial] Bryan CS Jr. J SC Med Assoc 1987 Apr;83(4):229
Drinking–driving and health lifestyle in the United States: Behavioral Risk Factors Surveys. Bradstock MK, et al.
J Stud Alcohol 1987 Mar;48(2):147–52
Leads from the MMWR. Sex–, age–, and region–specific prevalence of sedentary lifestyle in selected states in 1985—the Behavioral Risk Factor Surveillance System.
JAMA 1987 May 1;257(17):2270–2
The Health Policy Agenda [letter] Jameson MG. JAMA 1987 Jun 19;257(23):3228
Once identified, will high–risk families make life–style changes, lower coronary disease rate? [news] Zylke JW.
JAMA 1987 Jul 24–31;258(4):433
Cancer patterns among Koreans in Japan, Koreans in Korea and Japanese in Japan in relation to life style factors. Ubukata T, et al. Jpn J Cancer Res 1987 May;78(5):437–46
Disease, lifestyle, and consanguinity in 58 American Gypsies. Thomas JD, et al. Lancet 1987 Aug 15;2(8555):377–9
Life–care institutions. Crawford T. Md Med J 1986 Nov; 35(11):910–2
Aged living alone: health and resources. Magaziner J, et al.
Md Med J 1986 Nov;35(11):905–9
Sex–, age–, and region–specific prevalence of sedentary lifestyle in selected states in 1985—the Behavioral Risk Factor Surveillance System. MMWR 1987 Apr 10; 36(13):195–8, 203–4
Behavioral Risk Factor Surveillance—selected states, 1986. MMWR 1987 May 1;36(16):252–4
Self–esteem, social support, and positive health practices. Muhlenkamp AF, et al. Nurs Res 1986 Nov–Dec; 35(6):334–8
The Health–Promoting Lifestyle Profile: development and psychometric characteristics. Walker SN, et al.
Nurs Res 1987 Mar–Apr;36(2):76–81
Relationship between self–actualization and self–reported health practices. Petosa RA, et al. Percept Mot Skills 1987 Jun;64(3 Pt 2):1091–4
Medical, life–style, and occupational risk factors for prostate cancer. Checkoway H, et al. Prostate 1987;10(1):79–88
Health habits of U.S. adults, 1985: the "Alameda 7" revisited. Schoenborn CA. Public Health Rep 1986 Nov–Dec; 101(6):571–80
A research programme in lifestyle and health: methodological and theoretical considerations. McQueen DV.
Rev Epidemiol Sante Publique 1987;35(1):28–35
Self evaluation of health status by the elderly—and its relation to past life–style and attitudes [letter] Tobiasz–Adamczyk B. Rev Epidemiol Sante Publique 1987; 35(2):180–1
Health insurance and self–inflicted illness [editorial] Gilder SS. S Afr Med J 1986 Nov 8;70(10):577–8
Arterial blood pressure and individual modernization in a Mexican community. Dressler WW, et al. Soc Sci Med

1987;24(8):679–87
Health behavior models compared. Mullen PD, et al. **Soc Sci Med** 1987;24(11):973–81
Development of a measure of potential health behaviour: a salience of lifestyle index. Pill R, et al. **Soc Sci Med** 1987; 24(2):125–34
Borderline immunodeficiency in male homosexuals: is life–style contributory? Pifer LL, et al. **South Med J** 1987 Jun;80(6):687–91, 697
Agricultural life–style: a mortality study among male farmers in South Carolina, 1983–1984. Une H, et al. **South Med J** 1987 Sep;80(9):1137–40
Profile of the American wife. **Stat Bull Metrop Insur Co** 1987 Apr–Jun;68(2):18–21
Pediatric liver transplantation: patient evaluation and selection, infectious complications, and life–style after transplantation. Zitelli BJ, et al. **Transplant Proc** 1987 Aug; 19(4):3309–16
Educating the public about life–style and nutritional practices [letter] Bailie I E. **West J Med** 1987 Apr;146(4):488
Health behaviour of an elderly population in eastern Finland in 1982. Nissinen A, et al. **Z Gerontol** 1987 May–Jun; 20(3):129–35
[The health status of children—now and in the year 2000. II. The importance of life style for the health of children and adolescents] **Ugeskr Laeger** 1987 May 18; 149(21):1409–12 **(Dan)**
[Life style and health among schoolchildren] Holstein BE, et al. **Ugeskr Laeger** 1987 Jan 26;149(5):315–7 (Eng. Abstr.) **(Dan)**
[Depressive symptoms and the utilization of professional care by the elderly living at home] Bisscheroux PF, et al. **Tijdschr Gerontol Geriatr** 1986 Dec;17(6):223–6 (Eng. Abstr.) **(Dut)**
[Everyday life of the young insulin–dependent diabetic. Scholastic, social and professional adjustment] Gillet P, et al. **Ann Pediatr (Paris)** 1986 Dec;33(10):927–34 (Eng. Abstr.) **(Fre)**
[Psychosocial factors—life events] Sand EA. **Arch Belg** 1986; 44(9–10):348–52 **(Fre)**
[Prenatal preparation: characteristics of participants and nonparticipants] Dumont C, et al. **Can J Public Health** 1986 Sep–Oct;77(5):354–8 (Eng. Abstr.) **(Fre)**
[Eating behavior and life styles: research and action on nutrition in a rural area] Grand–Filaire A, et al. **Hygie** 1986 Dec;5(4):36–40 (Eng. Abstr.) **(Fre)**
[Methodology in health education in preventive health cures] Ecke A, et al. **Z Arztl Fortbild (Jena)** 1987;81(11):551–2 **(Ger)**
[Does chronic type A behavior produce heart–endangering changes in the affective personality structure?] Lanfranconi B, et al. **Z Exp Angew Psychol** 1987;34(2):259–85 (Eng. Abstr.) **(Ger)**
[Establishing a health–promoting life style in nursery school] Günther K, et al. **Z Gesamte Hyg** 1987 Feb;33(2):95–6 (Eng. Abstr.) **(Ger)**
[Some aspects of the health behavior of handicapped patients] Nolte W. **Z Gesamte Hyg** 1986 Dec;32(12):726–8 (Eng. Abstr.) **(Ger)**
[Nutrition as a prosperity killer] Diehl HA. **Z Orthop** 1986 Jul–Aug;124(4):372–6 **(Ger)**
[Family history of cancer and life style] Kato I, et al. **Gan No Rinsho** 1987 Apr;33(5 Suppl):567–73 (Eng. Abstr.) **(Jpn)**
[Sister chromatid exchanges and chromosome aberrations as parameters for human risk of cancer development] Morimoto K. **Gan No Rinsho** 1987 Apr;33(5 Suppl):587–95 (Eng. Abstr.) **(Jpn)**
[AHH activity and life environmental factors] Nagayama J. **Gan No Rinsho** 1987 Apr;33(5 Suppl):549–54 (Eng. Abstr.) **(Jpn)**
[Malignant neoplasms and life style] Pawlega J. **Nowotwory** 1986 Jul–Sep;36(3):169–80 (Eng. Abstr.) **(Pol)**
[Sobriety—a standard for life] Kliuchevskii VV. **Ortop Travmatol Protez** 1986 Jul;(6):52–4 **(Rus)**
[Medico–hygienic aspects of the life style of physicians] Kal'chenko EI, et al. **Sov Zdravookhr** 1987;(6):37–9 (Eng. Abstr.) **(Rus)**
[A sober life style as the basis for overcoming drinking and alcoholism] Lisitsyn IuP, et al. **Sov Zdravookhr** 1987; (3):37–43 **(Rus)**
[Health and life style of late middle–aged and elderly persons] Motynga IA. **Sov Zdravookhr** 1987;(2):21–5 **(Rus)**
[Promotion of a healthy life style among students] Vinogradova VV, et al. **Sov Zdravookhr** 1987;(7):49–51 (Eng. Abstr.) **(Rus)**
[Socio–hygienic problems of the life style and health of sheep breeders] Zhuravleva KI, et al. **Sov Zdravookhr** 1987; (2):26–30 (Eng. Abstr.) **(Rus)**
[Life style and the health of workers] Zhuravleva KI, et al. **Sov Zdravookhr** 1986;(11):13–7 (Eng. Abstr.) **(Rus)**
[Structure and factors of the social and cultural activities of pensioners in the process of social adaptation (based on the example of a large city)] Sachuk NN, et al. **Vestn Akad Med Nauk SSSR** 1986;(10):66–71 (Eng. Abstr.) **(Rus)**
[Experience with promoting and supporting a healthy life style in the garrison] Bushuev VI, et al. **Voen Med Zh** 1987 Jan;(1):64–6 **(Rus)**
[Role of the training in hygiene in the creation of healthy life style] Chvyrev VG, et al. **Voen Med Zh** 1987 Feb; (2):65–6 **(Rus)**
[The Soviet life style] Iakovlev VS. **Voen Med Zh** 1987 Feb; (2):14–6 **(Rus)**
[Propagandizing the healthy life style on board the Smol'nyi training ship] Laskavyi VS, et al. **Voen Med Zh** 1986 Aug; (8):59–60 **(Rus)**
[Means of molding a healthy life style] Rebikov AP, et al. **Voen Med Zh** 1986 Sep;(9):59–60 **(Rus)**
[The socialist life style as a civilization of a historically new type] Serdiuk AM. **Vrach Delo** 1986 Nov;(11):1–8 **(Rus)**
[World Health Day, 7 April 1986. With a healthy life—everyone wins] Nepokojčicki A. **Med Pregl** 1986; 39(3–4):101–4 **(Scr)**

LIFE SUPPORT CARE

A required, combined ACLS/ATLS provider course for senior medical students at East Carolina University. Mehne PR, et al. **Ann Emerg Med** 1987 Jun;16(6):666–8
Cardiopulmonary bypass after prolonged cardiac arrest in dogs. Pretto E, et al. **Ann Emerg Med** 1987 Jun;16(6):611–9
DNR. The case for early retirement [editorial] Donnelly WJ. **Arch Intern Med** 1987 Jan;147(1):37–8
Modeling decisions to use tube feeding in seriously ill patients. Smith DG, et al. **Arch Intern Med** 1987 Jul; 147(7):1242–5
Ethical and family management problems in the intensive care unit—an illustrative case. Burden JM, et al. **Can J Anaesth** 1987 May;34(3 (Pt 1)):274–9
A needs assessment of advanced life support and emergency medical services in the pediatric patient: state of the art. Seidel JS. **Circulation** 1986 Dec;74(6 Pt 2):IV129–33
Beyond the nursery door: the obligation to survivors of technology. Battle CU. **Clin Perinatol** 1987 Jun; 14(2):417–27
Withholding of nutrition and fluids in the hopelessly ill patient. Paris JJ, et al. **Clin Perinatol** 1987 Jun;14(2):367–77
Ethical issues in medicine. **Colo Med** 1987 Jun 15; 84(10):199–202
Evaluation of assessment methods of cardiac arrest simulations. Goldman SL, et al. **Fam Med** 1986 May–Jun; 18(3):170–3
Refusal to treat: can it be justified? A Mount Sinai CPC. Meier D, et al. **Geriatrics** 1987 Jul;42(7):87, 90–1, 94
Is life more sacred than autonomy? [letter] Wilson PF. **Hastings Cent Rep** 1986 Oct;16(5):43
Cardiac life support: a matter of life or death: [editorial] Mittelman MH. **J Am Optom Assoc** 1987 Jan;58(1):10
Paramedic use of advanced life support procedures: experience and attitude survey. Fox JB, et al. **J Emerg Med** 1986;4(2):109–14
Dying and dementia [editorial] Lynn J. **JAMA** 1986 Oct 24–31;256(16):2244–5
The limit of quantitative ethics. Williams S. **Med Decis Making** 1987 Apr–Jun;7(2):121–3
The right of elderly patients to refuse life–sustaining treatment. Annas GJ, et al. **Milbank Q** 1986;64 Suppl 2:95–162
Deciding for others. Buchanan A, et al. **Milbank Q** 1986;64 Suppl 2:17–94
Ethics committees in Minnesota hospitals. Van Allen E, et al. **Minn Med** 1987 Feb;70(2):77–80
Medicine at the end of life. Rothman DJ. **Neurology** 1987 Jun;37(6):1079–83
Deciding to forgo life–sustaining treatment in the intensive care nursery: a sociologic account. Rostain A. **Perspect Biol Med** 1986 Autumn;30(1):117–34
What does life support support? Jonsen AR. **Pharos** 1987 Winter;50(1):4–7
[We don't talk about euthanasia with regard to newborn infants] de Leeuw R. **Ned Tijdschr Geneeskd** 1987 May 2;131(18):772–5 **(Dut)**
[The inseparable couple: extreme measures and euthanasia (editorial)] Campan L. **Agressologie** 1986 May;27(5):401 **(Fre)**
[Handicaps, their consequences and intensive care of newborn infants and children] Huault G, et al. **Arch Fr Pediatr** 1986;43 Suppl 1:545–9 **(Fre)**
[Ethical viewpoints in resuscitation] Lundberg D. **Lakartidningen** 1987 May 6;84(19):1631–2 **(Swe)**

EDUCATION

Education and evaluation in emergency cardiac care programs (CPR and advanced cardiac life support): state of the art. Atkins JM. **Circulation** 1986 Dec;74(6 Pt 2):IV18–22

LEGISLATION & JURISPRUDENCE

The law on ethics: lagging behind [editorial] DePietropaolo DL. **Del Med J** 1987 Mar;59(3):164, 169
Evolving Delaware law on the termination of life–sustaining treatment. Hayman S. **Del Med J** 1987 Mar;59(3):205–8, 213–4
Withholding treatment when death is not imminent. Abrams FR. **Geriatrics** 1987 May;42(5):77–9, 83–4
Compassionate withholding of feeding: are physicians protected? Champlin L. **Geriatrics** 1987 Jan;42(1):37–40, 42
View from the Nation's Courts. Freishtat HW. **J Clin Psychopharmacol** 1986 Oct;6(5):308–9
Severely disabled newborns. To live or let die? Jackson CC. **J Leg Med (Chicago)** 1987 Mar;8(1):135–76
Substitute consent. Reconciling negative treatment and consent to routine medical treatment. Sappington GM. **J Leg Med (Chicago)** 1986 Sep;7(3):341–55
Termination of life–sustaining treatment for incompetent nursing home patients. Hayman S. **Med Law** 1987; 6(2):107–16
Treatment decisions for terminal patients. Hirsch HL. **Med Trial Tech Q** 1986;33(2):140–61
Where are we going with "do not resuscitate" policies? Greenlaw J. **NY State J Med** 1986 Dec;86(12):618–20
[Artificial insemination and terminal care. Results from the 56th German Lawyers' Meeting] Rieger HJ. **Dtsch Med Wochenschr** 1986 Oct 17;111(42):1614–7 **(Ger)**
[Life support care against the patient's will] Rieger HJ. **Dtsch Med Wochenschr** 1987 Apr 3;112(14):565 **(Ger)**

METHODS

Prehospital advanced life support vs "scoop and run" in trauma management. Gold CR. **Ann Emerg Med** 1987 Jul; 16(7):797–801 (66 ref.)
Cardiopulmonary bypass after cardiac arrest and prolonged closed–chest CPR in dogs. Levine R, et al. **Ann Emerg Med** 1987 Jun;16(6):620–7
Calcium–channel blockers and advanced cardiac life support. Weaver WD. **Circulation** 1986 Dec;74(6 Pt 2):IV94–7 (30 ref.)
Advanced pediatric life support: state of the art. Zaritsky A. **Circulation** 1986 Dec;74(6 Pt 2):IV124–8 (39 ref.)
Advanced cardiac life support, 1986: the rationale for new recommendations. Buran MJ. **Indiana Med** 1987 Feb; 80(2):137–40

PSYCHOLOGY

Need life support be harder to stop than not to start? Smith P, et al. **Am J Med Sci** 1987 May;293(5):328–31
Reverence for life in clinical practice. Bessinger CD Jr. **J SC Med Assoc** 1987 Feb;83(2):69–71
[Moral problems in the treatment of newborn infants with severe and irreversible developmental anomalies (principles and opinions of Polish and Australian pediatricians)] Szawarski Z, et al. **Pol Tyg Lek** 1987 Mar 2;42(9):268–72 **(Pol)**

STANDARDS

Children's Hospital ethics committees. A first estimate. Leikin S. **Am J Dis Child** 1987 Sep;141(9):954–8
Is advanced cardiac life support the standard of care? [letter] Pointer JE. **Am J Emerg Med** 1987 Jan;5(1):89
The fragile survivor. Mitchell C, et al. **Am J Nurs** 1987 May; 87(5):603–4, 606
Aggressive therapy in the care of the critically ill patient [clinical conference] Smith MA, et al. **J Fam Pract** 1987 Aug;25(2):119–20, 122–4
[Dignity before death (letter)] Soler Bel J. **Med Clin (Barc)** 1986 Dec 6;87(19):822 **(Spa)**

LIFE SUPPORT SYSTEMS see under **SEALED CABIN ECOLOGY**

LIFE TABLE METHODS see **ACTUARIAL ANALYSIS**

LIGAMENTS

Endometriosis in the uterosacral ligament giving orthopedic symptoms through compression of the sciatic nerve and surgically treated via an extraperitoneal approach keeping the pelvic organs intact. Bergqvist A, et al. **Acta Obstet Gynecol Scand** 1987;66(1):93–4
Cervical spine stenosis secondary to ossification of the posterior longitudinal ligament. Harsh GR 4th, et al. **J Neurosurg** 1987 Sep;67(3):349–57
Abscess of the falciform ligament in a child with a ventriculoperitoneal shunt. Laucks SS 2d, et al. **J Pediatr Surg** 1986 Nov;21(11):979–80
Persistent nerve root compression by buckling of the longitudinal ligament after chemonucleolysis. Beatty RM. **Neurosurgery** 1987 Feb;20(2):332–4
Traumatic tetraparesis: a rare neurologic complication in ankylosing spondylitis with ossification of posterior longitudinal ligament of the cervical spine. A case report. Ho EK, et al. **Spine** 1987 May;12(4):403–5
[Genetic studies on the ossification of the posterior longitudinal ligament] Wada K. **Nippon Seikeigeka Gakkai Zasshi** 1987 Feb;61(2):171–83 (Eng. Abstr.) **(Jpn)**
[New knowledge on the calcium pyrophosphate dihydrate (CPPD) crystal deposition disease in the cervical ligamentum flavum] Kawano N, et al. **No Shinkei Geka** 1987 Feb;15(2):181–90 (Eng. Abstr.) **(Jpn)**
[Ossification of the thyrohyoid ligament—a case report] Egashira K, et al. **Rinsho Hoshasen** 1986 Oct;31(10):1137–8 (Eng. Abstr.) **(Jpn)**
[Epiconus syndrome due to ossification of the lower thoracic yellow ligament] Kikuchi S, et al. **Rinsho Shinkeigaku** 1986 Nov;26(11):1210–7 (Eng. Abstr.) **(Jpn)**
[Novocaine block of the round ligament of the liver in treating acute pancreatitis] Borodin IF, et al. **Klin Khir** 1986;(11):49–50 **(Rus)**
[Muscular and ligamentous tunnel syndromes in various

diseases of the musculoskeletal system] Kipervas IP. **Revmatologiia (Moskva)** 1986 Jul-Sep;(3):56-9 **(Rus)**

ABNORMALITIES

Internal herniation through a defect in the broad ligament. Simstein NL. **Am Surg** 1987 May;53(5):258-9

A variation in the anatomic position of the pterygomandibular raphe: report of case. Toljanic JA, et al. **J Am Dent Assoc** 1987 May;114(5):631-2

Falciform ligament: a cause of extrinsic antral obstruction in the neonatal period. Dassonville M, et al. **J Pediatr Surg** 1986 Nov;21(11):977-8

[Atypical position of the elements of the hepatoduodenal ligament in surgical practice] Przystasz T. **Wiad Lek** 1987 Jan 1;40(1):1-7 (Eng. Abstr.) **(Pol)**

ANALYSIS

Elastin in the human intervertebral disk. A histological and biochemical study comparing it with elastin in the human yellow ligament. Mikawa Y, et al. **Arch Orthop Trauma Surg** 1986;105(6):343-9

Desmosine and isodesmosine as cross-links in the hinge-ligament protein of bivalves. 3,3'-Methylenebistyrosine as an artefact. Kikuchi Y, et al. **Eur J Biochem** 1987 Apr 15;164(2):397-402

ANATOMY & HISTOLOGY

Epididymal ligaments: anatomy and function. Shafik A. **Int J Fertil** 1987 Jul-Aug;32(4):324-30

Anatomic and clinical significance of the first and most medial deep transverse metatarsal ligament. Valvo P, et al. **J Foot Surg** 1987 May-Jun;26(3):194-203

Anatomical and biomechanical characteristics of upper cervical ligamentous structures: a review. Driscoll DR. **J Manipulative Physiol Ther** 1987 Jun;10(3):107-10 (12 ref.)

Functional anatomy of the alar ligaments. Dvorak J, et al. **Spine** 1987 Mar;12(2):183-9

Ultrasound and CT of peritoneal recesses and ligaments: a pictorial essay. Weill F, et al. **Ultrasound Med Biol** 1986 Dec;12(12):977-89

[Macroscopic anatomical study of the plantar calcaneonavicular ligament] De Palma L, et al. **Arch Putti Chir Organi Mov** 1985;35:143-7 (Eng. Abstr.) **(Ita)**

DRUG EFFECTS

Dose response relationship of relaxin on the pubic ligament of the mouse. Lippert TH, et al. **Clin Exp Obstet Gynecol** 1987;14(2):80-3

EMBRYOLOGY

The development of the ossicular ligaments in the human middle ear. Hartwein JH, et al. **Arch Otorhinolaryngol** 1987; 244(1):23-5

GROWTH & DEVELOPMENT

Soft-tissue bone interface: how do attachments of muscles, tendons, and ligaments change during growth? A light microscopic study. Hurov JR. **J Morphol** 1986 Sep; 189(3):313-25

Influence of the erect posture on the development of the lumbosacral region. A comparative study on the lumbosacral junction of the monkey, dog, rabbit and rat. Pun WK, et al. **Surg Radiol Anat** 1987;9(1):69-73

INJURIES

Fluoroscopic identification of torn intercarpal ligaments after injection of contrast material. Gilula LA, et al. **AJR** 1987 Oct;149(4):761-4

Ligamentum patellae rupture following local steroid injection. Alexeeff M. **Aust NZ J Surg** 1986 Sep;56(9):681-3

Nonoperative management of isolated grade III collateral ligament injury in high school football players. Jones RE, et al. **Clin Orthop** 1986 Dec;(213):137-40

Intrapartum rupture of the falciform ligament and umbilical vein. A rare cause of hemoperitoneum in the newborn. Miller BM, et al. **Clin Pediatr (Phila)** 1987 Jun;26(6):316-8

Track condition and racing injuries in thoroughbred horses. Hill T, et al. **Cornell Vet** 1986 Oct;76(4):361-79

Trans-scaphoid palmar lunate dislocation with concurrent scapholunate ligament disruption. Schakel M, et al. **J Hand Surg [Am]** 1986 Sep;11(5):653-5

Soft-tissue interposition as a possible cause of scaphoid non-union. Wilton TJ. **J Hand Surg [Br]** 1987 Feb; 12(1):50-1

Ernest syndrome as a consequence of stylomandibular ligament injury: a report of 68 patients. Shankland WE 2d. **J Prosthet Dent** 1987 Apr;57(4):501-6

Vibrations can induce rupture of zonular fibers. Martin X. **Ophthalmologica** 1987;194(2-3):86-9

[Experimental study on reconstructing the anterior cruciate ligament by iliotibial band transposition] Rong GW, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Dec;24(12):765-7, 783 (Eng. Abstr.) **(Chi)**

METABOLISM

Extracellular matrix-induced synthesis of a low molecular weight collagen by fetal calf ligament fibroblasts. Sage H, et al. **Connect Tissue Res** 1987;16(1):41-56

PATHOLOGY

Extraskeletal Ewing's sarcoma arising in the broad ligament. Longway SR, et al. **Arch Pathol Lab Med** 1986 Nov; 110(11):1058-61

Genetic study on ossification of posterior longitudinal ligament. Tanikawa E, et al. **Bull Tokyo Med Dent Univ** 1986 Sep;33(3):117-28

A holistic approach to stylalgia. Hampf G, et al. **Int J Oral Maxillofac Surg** 1986 Oct;15(5):549-52

Cervical cord compression from ossification of the posterior longitudinal ligament in non-orientals. McAfee PC, et al. **J Bone Joint Surg [Br]** 1987 Aug;69(4):569-75

Inferior pulmonary ligament lymphadenopathy: demonstration by computed tomography. Cross G, et al. **J Comput Tomogr** 1987 Jul;11(3):303-6

Posterior longitudinal ligament ossification myelopathy and hypothyroidism. Nichols JN, et al. **J Comput Tomogr** 1987 Jan;11(1):61-5

Thoracic myelopathy secondary to ossification of the spinal ligament. Yonenobu K, et al. **J Neurosurg** 1987 Apr; 66(4):511-8

Extraspinal tendon and ligament calcification associated with long-term therapy with etretinate. DiGiovanna JJ, et al. **N Engl J Med** 1986 Nov 6;315(19):1177-82

An epidemiological survey on ossification of ligaments in the cervical and thoracic spine in individuals over 50 years of age. Ohtsuka K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1986 Nov;60(11):1087-98

Unilateral hypertrophy of the cervical ligamentum flavum presenting as a pseudotumor. Tihansky DP. **NY State J Med** 1986 Oct;86(10):536-8

Dysplasia of the pectinate ligament and primary glaucoma in the Bouvier des Flandres dog. van der Linde-Sipman JS. **Vet Pathol** 1987 May;24(3):201-6

[Partial rupture of the inferior patellar ligament following local injection of a steroid] Helmer-Hansen HB. **Ugeskr Laeger** 1986 Oct 20;148(43):2767 (Eng. Abstr.) **(Dan)**

[A case of ossified yellow ligaments (ossified ligamenta flava) of the thoraco-lumbar region and magnetic resonance imaging] Yatsuzuka H, et al. **No Shinkei Geka** 1986 Aug; 14(9):1121-5 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Intrinsic and extrinsic wrist ligaments: biomechanical and functional differences. Logan SE, et al. **Biomed Sci Instrum** 1987;23:9-13

The contribution of external ligamentous attachments to function of the ileocecal junction. Kumar D, et al. **Dis Colon Rectum** 1987 Jun;30(6):410-6

Lateral talocalcaneal instability following section of the calcaneofibular ligament: a kinesiologic study. Kjaersgaard-Andersen P, et al. **Foot Ankle** 1987 Jun; 7(6):355-61

Functional characteristics of the foot and plantar aponeurosis under tibiotalar loading. Sarrafian SK. **Foot Ankle** 1987 Aug;8(1):4-18

A new methodology to determine the mechanical properties of ligaments at high strain rates. Peterson RH, et al. **J Biomech Eng** 1986 Nov;108(4):365-7

In vitro effects of beta adrenoceptor agonists and antagonists on the rat ovarian suspensory ligament. Stanton HC, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):591-6

[Description of eye muscle function using models with reference to the Lockwood ligament] Günther S, et al. **Fortschr Ophthalmol** 1986;83(4):514-7 (Eng. Abstr.) **(Ger)**

[Biomechanics of collagen tissues] Borrachero del Campo J. **An R Acad Nac Med (Madr)** 1986;103(4):553-65 **(Spa)**

PHYSIOPATHOLOGY

CT-functional diagnostics of the rotatory instability of upper cervical spine. 1. An experimental study on cadavers. Dvorak J, et al. **Spine** 1987 Apr;12(3):197-205

RADIOGRAPHY

Focal fatty change of the liver adjacent to the falciform ligament: CT and sonographic findings in five surgically confirmed cases. Yoshikawa J, et al. **AJR** 1987 Sep; 149(3):491-4

Cervical myelopathy, ossification of the posterior longitudinal ligament, and diffuse idiopathic skeletal hyperostosis: problems in investigation. Griffiths ID, et al. **Ann Rheum Dis** 1987 Feb;46(2):166-8

A radiological population study on the ossification of the posterior longitudinal ligament in the spine. Ohtsuka K, et al. **Arch Orthop Trauma Surg** 1987;106(2):89-93

Ossified segments of the stylohyoid ligament. A case of radiological misdiagnosis. Har-El G, et al. **J Laryngol Otol** 1987 May;101(5):516-8

Ossification of the posterior longitudinal ligament: a clinico-radiological study of 74 cases. Nose T, et al. **J Neurol Neurosurg Psychiatry** 1987 Mar;50(3):321-6

The peritoneal ligaments and mesenteries: pathways of intraabdominal spread of disease. Meyers MA, et al. **Radiology** 1987 Jun;163(3):593-604

[A roentgen study on the anatomic basis of left subphrenic abscess: emphasis placed on the anatomic features of the left triangular ligament of the liver (LTLL)] Min PQ. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Jun;20(3):138-41 (Eng. Abstr.) **(Chi)**

[Ossification of the posterior longitudinal ligament of the cervical spine (a conventional X-ray and CT study of 34 cases)] Song ZQ. **Chung Hua Fang She Hsueh Tsa Chih** 1987 Feb;21(1):24-7 (Eng. Abstr.) **(Chi)**

[X-ray analysis of ossification of the cervical posterior longitudinal ligament] Zhang CJ. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Aug;20(4):223-5 (Eng. Abstr.) **(Chi)**

[Image patterns of the cervical spine on the CT-scan] Huang GY, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Dec; 24(12):747-9, 782 (Eng. Abstr.) **(Chi)**

[An x-ray computed tomographic study of peritoneal ligaments and various mesos] Watrin J, et al. **J Radiol** 1986 Nov;67(11):775-81 (Eng. Abstr.) **(Fre)**

SURGERY

Ligament and tendon repair with an absorbable polymer-coated carbon fiber stent. Alexander H, et al. **Bull Hosp Jt Dis Orthop Inst** 1986 Fall;46(2):155-73

Mechanical properties and early clinical experience with xenograft biomaterials. McMaster WC. **Bull Hosp Jt Dis Orthop Inst** 1986 Fall;46(2):174-84

A modified technique for anterior cruciate ligament (ACL) surgery using a new drill guide for isometric positioning of the ACL. Odensten M, et al. **Clin Orthop** 1986 Dec; (213):154-8

Reconstruction of the lateral ligamentous structures of the ankle with a modified Watson-Jones procedure. Barbari SG, et al. **Foot Ankle** 1987 Jun;7(6):362-8

Miya Hook ligature carrier for sacrospinous ligament suspension. Miyazaki FS. **Obstet Gynecol** 1987 Aug; 70(2):286-8

Whitnall's ligament eyelid suspension for severe blepharoptosis. Leibsohn JM. **Ophthalmic Surg** 1987 Apr; 18(4):286-7

Extensive simultaneous multisegment laminectomy for myelopathy due to the ossification of the posterior longitudinal ligament in the cervical region. Miyazaki K, et al. **Spine** 1986 Jul-Aug;11(6):531-42

Anatomical bases of patellar tendon grafts used in anterior cruciate ligament reconstruction. Weinstabl R, et al. **Surg Radiol Anat** 1986;8(3):163-7

Simplified technique for management of Santorini plexus and puboprostatic ligaments during radical retropubic prostatectomy. Hayashi T, et al. **Urology** 1986 Oct; 28(4):322-3

[Spinous fixation (vaginae fixatio sacrospinalis) in the treatment of vaginal prolapse after hysterectomy] Richter K, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986; 15(8):1081-8 (Eng. Abstr.) **(Fre)**

[Computed tomographic study of the anatomical modifications of the wrist brought about by section of the anterior annular ligament] Chaise F, et al. **Rev Chir Orthop** 1986;72(4):297-302 (Eng. Abstr.) **(Fre)**

[Abdominal hysterectomy with fixation of the ligaments] Koppel E, et al. **Zentralbl Gynakol** 1986;108(18):1109-13 (Eng. Abstr.) **(Ger)**

[Anterior subtotal somatectomy for multi-level spondylosis and ossification of the posterior longitudinal ligament] Kojima T, et al. **No Shinkei Geka** 1987 Feb;15(2):117-23 **(Jpn)**

[The Manchester operation and vaginal extirpation of the uterus as treatment methods in female genital organ prolapse] Susloparov LA, et al. **Akush Ginekol (Mosk)** 1986 Nov;(11):57-9 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Replacement of the anterior cruciate ligament with a bone-ligament-bone anterior cruciate ligament allograft in dogs. Vasseur PB, et al. **Clin Orthop** 1987 Jun;(219):268-77

ULTRASTRUCTURE

A Fourier domain directional filtering method for analysis of collagen alignment in ligaments. Chaudhuri S, et al. **IEEE Trans Biomed Eng** 1987 Jul;34(7):509-18

Immunolocalization of a 35K structural glycoprotein to elastin-associated microfibrils. Jaques A, et al. **J Ultrastruct Mol Struct Res** 1986 Apr-Jun;95(1-3):218-27

Ultrastructural study of calcification process in the ligamentum flavum of the cervical spine. Kubota T, et al. **Spine** 1987 May;12(4):317-23

LIGAMENTS, ARTICULAR

Evaluation of residual instability after arthroscopic meniscectomy in anterior cruciate deficient knees. Shields CL Jr, et al. **Am J Sports Med** 1987 Mar-Apr;15(2):129-31

Evaluation of preserved bovine tendon xenografts: a histological, biomechanical and clinical study. Allen PR, et al. **Biomaterials** 1987 Mar;8(2):146-52

Further studies on knee ligament failure in broiler breeding fowls. Duff SR. **J Comp Pathol** 1986 Sep;96(5):485-95

[Cervical myelopathy as a result of ossification of the posterior longitudinal ligament (4 cases)] Nater B, et al. **Rev Neurol (Paris)** 1986;142(10):771-6 (Eng. Abstr.) **(Fre)**

[Local iodine-novocaine block in the treatment of interspinal ligamentoses] Selivanov VP. **Khirurgiia (Mosk)** 1986 Nov; (11):45-51 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Congenital aplasia of the anterior cruciate ligament. Report of a case in a seven-year-old girl. Hejgaard N, et al. **Int Orthop** 1987;11(3):223–5

Congenital aplasia of the cruciate ligaments. A report of six cases. Kaelin A, et al. **J Bone Joint Surg [Br]** 1986 Nov; 68(5):827–8

Familial flexion-supination deformity at the PIP joint of the finger. Ibaraki K, et al. **J Hand Surg [Am]** 1986 Nov; 11(6):862–5

[Congenital aplasia of the cruciate ligament] Benedetto KP. **Unfallchirurg** 1987 Apr;90(4):190–3 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Anatomical observations on the acromioclavicular joint and supporting ligaments. Salter EG Jr, et al. **Am J Sports Med** 1987 May–Jun;15(3):199–206

Deltoid ligament: an anatomical evaluation of function. Harper MC. **Foot Ankle** 1987 Aug;8(1):19–22

A study of the synovial and ligamentous structure of the anterior cruciate ligament. Haus J, et al. **Int Orthop** 1987; 11(2):117–24

[Descriptive anatomy and biodynamic study of the medial collateral ligament of the trapezio-metacarpal articulation of the thumb] Kuhlmann JN, et al. **Bull Assoc Anat (Nancy)** 1985 Dec;69(207):315–30 (Eng. Abstr.) **(Fre)**

[The triangular ligament and the medial compartment of the wrist] Kuhlmann JN, et al. **Bull Assoc Anat (Nancy)** 1985 Dec;69(207):305–14 (Eng. Abstr.) **(Fre)**

[Anatomy of the ligaments of the upper ankle joint] Ludolph E, et al. **Orthopade** 1986 Nov;15(6):410–4 (Eng. Abstr.) **(Ger)**

[Histological observation on the structure of the human temporomandibular ligament] Kurokawa E. **Kokubyo Gakkai Zasshi** 1986 Jun;53(2):508–35 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

The use of laser Doppler flowmetry to evaluate anterior cruciate blood flow. Schlehr FJ, et al. **J Orthop Res** 1987; 5(1):150–3

DRUG EFFECTS

[Mobilat ointment in acute dislocation. Study of the effectiveness in a placebo-controlled double-blind study] Ambrus P, et al. **Fortschr Med** 1987 Apr 30;105(13):259–62 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Antibodies to canine collagen types I and II in dogs with spontaneous cruciate ligament rupture and osteoarthritis. Niebauer GW, et al. **Arthritis Rheum** 1987 Mar; 30(3):319–27

INJURIES

Knee bracing and anterolateral rotatory instability. Crughlin L, et al. **Am J Sports Med** 1987 Mar–Apr;15(2):161–3

The intercondylar notch in acute tears of the anterior cruciate ligament: a computer graphics study. Houseworth SW, et al. **Am J Sports Med** 1987 May–Jun;15(3):221–4

Treatment of the medial collateral ligament injury. I: The importance of anterior cruciate ligament on the varus–valgus knee laxity. Inoue M, et al. **Am J Sports Med** 1987 Jan–Feb;15(1):15–21

Acute ligamentous diastasis of the ankle without fracture. Evaluation by radionuclide imaging. Marymont JV, et al. **Am J Sports Med** 1986 Sep–Oct;14(5):407–9

Early knee motion after open and arthroscopic anterior cruciate ligament reconstruction. Noyes FR, et al. **Am J Sports Med** 1987 Mar–Apr;15(2):149–60

Treatment of the medial collateral ligament injury. II: Structure and function of canine knees in response to differing treatment regimens. Woo SL, et al. **Am J Sports Med** 1987 Jan–Feb;15(1):22–9

Quadriceps muscle atrophy and long-term recovery after knee ligamentous injury. Järvinen M, et al. **Ann Chir Gynaecol** 1967;76(2):108–13

The late reconstruction of the ligament of the metacarpo-phalangeal joint of the thumb. Sennwald G, et al. **Ann Chir Main** 1987;6(1):15–24 **(Eng, Fre)**

Stability tests in knee ligament injuries. Sandberg R, et al. **Arch Orthop Trauma Surg** 1986;106(1):5–7

Arthroscopic meniscectomy in the anterior cruciate ligament-deficient knee. Hanley ST, et al. **Arthroscopy** 1987;3(1):59–65

Posterior cruciate ligament tears in wrestlers. Stanish WD, et al. **Can J Appl Sport Sci** 1986 Dec;11(4):173–7

Consideration of the anterior cruciate ligament injury in skiing. Feagin JA Jr, et al. **Clin Orthop** 1987 Mar;(216):13–8

Lachman test evaluated. Quantification of a clinical observation. Gurtler RA, et al. **Clin Orthop** 1987 Mar; (216):141–50

Ligamentous injuries in dislocations of the elbow joint. Josefsson PO, et al. **Clin Orthop** 1987 Aug;(221):221–5

Surgical versus nonsurgical treatment of ligamentous injuries following dislocations of the elbow joint. Josefsson PO, et al. **Clin Orthop** 1987 Jan;(214):165–9

Stress examination of traumatized lateral ligaments of the ankle. Rijke AM, et al. **Clin Orthop** 1986 Sep;(210):143–51

Partial rupture of the anterior cruciate ligament. Natural course. Sandberg R, et al. **Clin Orthop** 1987 Jul;(220):176–8

Ligamentous injuries of the hand in athletes. Isani A, et al. **Clin Sports Med** 1986 Oct;5(4):757–72

A new treatment of stable lateral ligament injuries of the ankle joint. Muwanga CL, et al. **Injury** 1986 Nov; 17(6):380–2

Breakdancer's thumb—partial rupture of the ulnar collateral ligament with a fracture of the proximal phalanx of the thumb. Winslet MC, et al. **Injury** 1986 May;17(3):201–2

A prospective study of the treatment of severe tears of the lateral ligament of the ankle. Korkala O, et al. **Int Orthop** 1987;11(1):13–7

Lateral ligamentous injury to the carpus of a racing greyhound. Roe SC, et al. **J Am Vet Med Assoc** 1986 Aug 15;189(4):453–4

Surgical versus non-surgical treatment of ligamentous injuries following dislocation of the elbow joint. A prospective randomized study. Josefsson PO, et al. **J Bone Joint Surg [Am]** 1987 Apr;69(4):605–8

Acute rupture of the medical collateral ligament of the elbow requiring reconstruction. Case report. Lesin BE, et al. **J Bone Joint Surg [Am]** 1986 Oct;68(8):1278–80

Rupture and displacement of the ulnar collateral ligament of the metacarpophalangeal joint of the thumb. Preoperative diagnosis. Louis DS, et al. **J Bone Joint Surg [Am]** 1986 Dec;68(9):1320–6

A no-touch test for the anterior cruciate ligament. Cross MJ, et al. **J Bone Joint Surg [Br]** 1987 Mar;69(2):300

Isolated avulsion of the tibial attachment of the posterior cruciate ligament in childhood. Ross AC, et al. **J Bone Joint Surg [Br]** 1986 Nov;68(5):747

An unusual variety of skier's thumb. Hooper GJ. **J Hand Surg [Am]** 1987 Jul;12(4):627–9

Computerized tomography of the distal radioulnar joint: correlation with ligamentous pathology in a cadaveric model. King GJ, et al. **J Hand Surg [Am]** 1986 Sep; 11(5):711–7

Ligamentous avulsion of the ulnar collateral ligament of the thumb of a child. White GM. **J Hand Surg [Am]** 1986 Sep; 11(5):669–72

Hand function after injuries to the collateral ligaments of the metacarpophalangeal joint of the thumb. Helm RH. **J Hand Surg [Br]** 1987 Jun;12(2):252–5

Scaphoid–trapezium–trapezoid subluxation. Kuur E, et al. **J Hand Surg [Br]** 1986 Oct;11(3):434–5

Lateral ligament injury of the knee. Grana WA, et al. **Orthopedics** 1987 Jul;10(7):1039–44

Bilateral patellar ligament rupture. A case report. Olen RN, et al. **Orthopedics** 1986 Dec;9(12):1665–7

Radiologic findings in lesions of the ligamentum bifurcatum of the midfoot. Nielsen S, et al. **Skeletal Radiol** 1987; 16(2):114–6

[Treatment of old injuries of the distal end of the dorsal aponeurosis with rupture of the base of the distal phalanx of the finger] Cepl I. **Acta Chir Orthop Traumatol Cech** 1987 Feb;54(1):78–80 (Eng. Abstr.) **(Cze)**

[Rupture of the patellar ligament after steroid infiltration] Fredskild O, et al. **Ugeskr Laeger** 1987 Jan 26;149(5):300–1 (Eng. Abstr.) **(Dan)**

[Intra-articular knee stabilization with synthetic material. A practice-oriented stabilization technic] Lieben NH. **Tijdschr Diergeneeskd** 1986 Dec 1;111(23):1160–6 (Eng. Abstr.) **(Dut)**

[Intra-articular lesions and their development in fresh and old ruptures of the anterior cruciate ligament. Preliminary report] Dupont JY, et al. **Acta Orthop Belg** 1986 Jul–Aug; 52(4):488–514 (Eng. Abstr.) **(Fre)**

[Diagnosis of rupture of the ulnar collateral ligament of the metacarpophalangeal joint of the thumb. Presentation of a simple clinical and radiological test] Van Wetter P. **Ann Chir Main** 1986;5(2):135–8 (Eng. Abstr.) **(Fre)**

[Arthrosis of the knee in chronic anterior laxity] Dejour H, et al. **Rev Chir Orthop** 1987;73(3):157–70 (Eng. Abstr.) **(Fre)**

[Intra-articular lesions and their development in old ruptures of the anterior crucuate ligament] Dupont JY, et al. **Rev Chir Orthop** 1986;72 Suppl 2:112–4 **(Fre)**

[Rupture of the pes anserinus—a rare concomitant injury in anteromedial instability of the knee joint] Bruns J, et al. **Aktuel Traumatol** 1986 Dec;16(6):230–2 (Eng. Abstr.) **(Ger)**

[Results of treatment following surgical management of complete acromioclavicular joint dislocation (Tossy III injury). Management using ligament sutures and direct transarticular and indirect extra-articular stabilization] Dittel KK, et al. **Aktuel Traumatol** 1987 Feb;17(1):16–22 (Eng. Abstr.) **(Ger)**

[Experience in the management of fresh fibular capsule-ligament injuries of the upper ankle joint using fibrin glue] Paar O. **Aktuel Traumatol** 1987 Feb;17(1):32–4 (Eng. Abstr.) **(Ger)**

[Traumatic scapho-lunate dissociation. Functional analysis, surgical therapy and results] Pechlaner S, et al. **Aktuel Traumatol** 1987 Feb;17(1):1–8 (Eng. Abstr.) **(Ger)**

[Primary plastic reconstruction of a lateral ligament injury of the upper ankle joint] Targonski J. **Aktuel Traumatol** 1987 Feb;17(1):35–7 (Eng. Abstr.) **(Ger)**

[Results of functional aftercare following surgically treated ruptures of the outer ligaments. A comparative study of aftercare by a lower leg walking cast or the Dr. Spring special shoe] Wolff J, et al. **Aktuel Traumatol** 1986 Oct; 16(5):196–202 (Eng. Abstr.) **(Ger)**

[Plastic reconstruction following neglected damage of the medial collateral ligament of the knee joint] Hinze M. **Beitr Orthop Traumatol** 1987 Jan;34(1):28–33 (Eng. Abstr.) **(Ger)**

[Replacement of the anterior cruciate ligament by a free transplant from the iliotibial tract of the opposite side] Israel C. **Beitr Orthop Traumatol** 1987 Feb;34(2):74–82 (Eng. Abstr.) **(Ger)**

[Leunapur mobilization and exercise orthosis in postoperative treatment of ruptures of the anterior cruciate ligaments] Kopka F, et al. **Beitr Orthop Traumatol** 1987 Jan;34(1):34–6 (Eng. Abstr.) **(Ger)**

[Gonylaxometric studies of knee stability—technic and use] Latosiewicz R, et al. **Beitr Orthop Traumatol** 1986 Sep; 33(9):420–4 (Eng. Abstr.) **(Ger)**

[Injuries of the syndesmoses with their complications] Machan FG. **Beitr Orthop Traumatol** 1987 Apr; 34(4):206–11 (Eng. Abstr.) **(Ger)**

[Indications for conservative or surgical treatment of fresh ruptures of the outer ligament] Rahmanzadeh R. **Langenbecks Arch Chir** 1986;369:709–13 (Eng. Abstr.) **(Ger)**

[Clinical aspects and therapy of fibular ligament ruptures in childhood] Blauth W, et al. **Orthopade** 1986 Nov; 15(6):427–33 (Eng. Abstr.) **(Ger)**

[Chronic posterior instabilities] Dejour H, et al. **Orthopade** 1987 Apr;16(2):149–56 (Eng. Abstr.) **(Ger)**

[Diagnosis, therapy and results of acute instability of the syndesmosis of the upper ankle joint (isolated anterior rupture of the syndesmosis)] Frick H. **Orthopade** 1986 Nov; 15(6):423–6 (Eng. Abstr.) **(Ger)**

[Indications, treatment and evaluation of chronic instability of the anterior cruciate ligament] Jakob RP. **Orthopade** 1987 Apr;16(2):130–9 (Eng. Abstr.) **(Ger)**

[Functional treatment of fresh outer ligament ruptures using an Aircast splint] Jakob RP, et al. **Orthopade** 1986 Nov; 15(6):434–40 (Eng. Abstr.) **(Ger)**

[Personal experiences in surgical treatment of chronic instability of the anterior knee joint] Kerschbaumer F, et al. **Orthopade** 1987 Apr;16(2):140–8 (Eng. Abstr.) **(Ger)**

[Arthroscopic and surgical ligament-plasty of the knee joint] Klein W. **Orthopade** 1987 Apr;16(2):157–67 (Eng. Abstr.) **(Ger)**

[Surgical therapy of chronic instability of the upper ankle joint using periostal bridle-plasty] Kuner EH, et al. **Orthopade** 1986 Nov;15(6):454–60 (Eng. Abstr.) **(Ger)**

[Combined lateral ligament-plasty and calcaneus osteotomy in recurrent foot dislocation] Morscher E, et al. **Orthopade** 1986 Nov;15(6):461–5 (Eng. Abstr.) **(Ger)**

[Post-traumatic arthrosis of the upper ankle joint in chronic insufficiency of the fibular ligament] Rieck B, et al. **Orthopade** 1986 Nov;15(6):466–71 (Eng. Abstr.) **(Ger)**

[Acute ligamentous injuries of the Chopart and Lisfranc joint line] Suren EG, et al. **Orthopade** 1986 Nov;15(6):479–86 (Eng. Abstr.) **(Ger)**

[Primary reconstruction of injuries of the capsular ligament of the knee joint] Tscherne H, et al. **Orthopade** 1987 Apr; 16(2):113–29 (Eng. Abstr.) **(Ger)**

[Experience with suturing the outer ligament of the upper ankle joint under local anesthesia] Wagner H, et al. **Orthopade** 1986 Nov;15(6):441–5 (Eng. Abstr.) **(Ger)**

[Diagnosis and therapy of acute and chronic ligament instability of the lower ankle joint] Zwipp H, et al. **Orthopade** 1986 Nov;15(6):472–8 (Eng. Abstr.) **(Ger)**

[Therapy of fresh fibular ligament ruptures] Zwipp H, et al. **Orthopade** 1986 Nov;15(6):446–53 (Eng. Abstr.) **(Ger)**

[Traumatology of the knee joint—radiologic and accident surgery aspects—1] Schild H, et al. **Rontgenblatter** 1987 Aug;40(8):263–9 (Eng. Abstr.) **(Ger)**

[Sonographic imaging of the anterior cruciate ligament] Röhr E. **Ultraschall Med** 1987 Feb;8(1):37–9 (Eng. Abstr.) **(Ger)**

[Clinical results of sonographic functional studies of lesions of the capsule and ligaments of the knee and ankle joint] Schricker T, et al. **Ultraschall Med** 1987 Feb;8(1):27–31 (Eng. Abstr.) **(Ger)**

[Stabilizing aids in the early functional treatment of fibular ligament rupture. A comparative experimental study] Bruns J, et al. **Unfallchirurg** 1986 Dec;89(12):563–8 (Eng. Abstr.) **(Ger)**

[Simultaneous bilateral rupture of the patellar ligament. Supplement to the report by D. Träger] Garde U, et al. **Unfallchirurg** 1986 Aug;89(8):380–1 (Eng. Abstr.) **(Ger)**

[Fresh rupture of the syndesmosis of the proximal ankle joint. Clinical significance and arthrographic diagnosis] Karl EL, et al. **Unfallchirurg** 1987 Feb;90(2):92–6 (Eng. Abstr.) **(Ger)**

[Results following conservative treatment of osseous ligament ruptures of the ankle joint in children] Linhart WE, et al. **Unfallchirurg** 1986 Dec;89(12):569–73 (Eng. Abstr.) **(Ger)**

[Comparison of the value of held images and arthrography of the proximal ankle joint in injuries of the lateral capsule ligament system] Mayer F, et al. **Unfallchirurg** 1987 Feb; 90(2):86–91 (Eng. Abstr.) **(Ger)**

[Long-term results of various surgical methods in fresh and chronic injuries of the anterior cruciate ligament] Passl R, et al. **Unfallchirurg** 1986 Oct;89(10):473–8 (Eng. Abstr.) **(Ger)**

[Is surgical treatment of complete medial collateral ligament rupture of the knee joint necessary?] Seiler H, et al.

Unfallchirurg 1987 Apr;90(4):180–5 (Eng. Abstr.) **(Ger)**
[Anterior cruciate ligamentplasty. Comparative results of various surgical technics] Sprenger FB, et al.
Unfallchirurg 1987 Jan;90(1):1–5 (Eng. Abstr.) **(Ger)**
[Experience in the treatment of closed injuries of the extensor tendons of the interphalangeal joint] Suckert K, et al.
Unfallchirurg 1987 Jan;90(1):42–7 (Eng. Abstr.) **(Ger)**
[A new procedure for measuring displacement of the anterior ankle joint in the lateral projection] Biegler M, et al.
Unfallchirurgie 1986 Oct;12(5):271–5 (Eng. Abstr.) **(Ger)**
[Management of ligament injuries of the anterior ankle joint with ligament suture and a joint plaster cast] Huber O, et al. **Unfallchirurgie** 1986 Oct;12(5):276–9 (Eng. Abstr.) **(Ger)**
[The radiologic Lachman test--a simple and sure method for the detection of damage to the cruciate ligament] Pässler HH, et al. **Unfallchirurgie** 1986 Dec;12(6):295–300 (Eng. Abstr.) **(Ger)**
[Fresh ulnar rupture of the collateral ligament of the thumb saddle joint] Langenberg R. **Z Arztl Fortbild (Jena)** 1987; 81(6):265–6 **(Ger)**
[Rupture of the fibular ligaments of the upper ankle joint] Langenberg R, et al. **Z Arztl Fortbild (Jena)** 1987; 81(7):335–7 **(Ger)**
[Roentgen diagnosis of fresh lateral capsule-ligament injuries of the upper ankle joint in adults. 3: Clinical experiences with the presented stepwise program and results of treatment] Wehner W, et al. **Z Arztl Fortbild (Jena)** 1987; 81(6):255–6 **(Ger)**
[Rupture of the rotator cuff in the elderly] Steffens K, et al. **Z Gerontol** 1987 Mar-Apr;20(2):95–6 (Eng. Abstr.) **(Ger)**
[Fracture of the tibial apophysis--a typical sports injury in adolescents] Schwöbel MG. **Z Kinderchir** 1987 Jun; 42(3):181–3 (Eng. Abstr.) **(Ger)**
[Replacement of the anterior cruciate ligament combined with valgization osteotomy of the tibia in incipient medial gonarthrosis with anterior cruciate ligament insufficiency] Giger P, et al. **Z Orthop** 1987 Jan-Feb;125(1):68–72 (Eng. Abstr.) **(Ger)**
[Imaging of the internal structures of the knee by MR tomography] Heimhuber B, et al. **Z Orthop** 1986 Nov-Dec; 124(6):755–8 (Eng. Abstr.) **(Ger)**
[Recent aspects of the biocompatibility of carbon fibers. A histologic and electron microscopy analysis] Sparmann M, et al. **Z Orthop** 1986 Nov-Dec;124(6):671–6 (Eng. Abstr.) **(Ger)**
[Long-term results of surgical treatment and treatment with a walking cast in fresh complex ligament injuries of the knee] Barandun J, et al.
Z Unfallchir Versicherungsmed Berufskr 1986;79(4):271–3 (Eng. Abstr.) **(Ger)**
[Surgically treated injuries of the knee ligaments following motorcycle injuries] Gächter A, et al.
Z Unfallchir Versicherungsmed Berufskr 1987;80(2):127–9 **(Ger)**
[Reflections on the use of diagnostic aids in fresh injuries of the ligaments of the upper ankle joint] Rüegger R, et al. **Z Unfallchir Versicherungsmed Berufskr** 1986; 79(2):115–9 **(Ger)**
[Diagnosis of insufficiency of the posterior cruciate ligament: value of posterior cruciate ligament phenomena in extension] Stäubli HU, et al.
Z Unfallchir Versicherungsmed Berufskr 1986;79(2):85–8 **(Ger)**
[Ligament rupture of the lateral Chopart joint] Lindner HO, et al. **Zentralbl Chir** 1986;111(20):1250–4 (Eng. Abstr.) **(Ger)**
[Assessing the strength of the anterior cruciate ligaments and transplants from the central third of the patellar ligament] Mayer G, et al. **Zentralbl Chir** 1986;111(24):1544–50 (Eng. Abstr.) **(Ger)**
[Advantages and problems in acute management of injuries of the capsular ligament system of the knee joint] Zeumer B, et al. **Zentralbl Chir** 1987;112(12):751–9 (Eng. Abstr.) **(Ger)**
[Malleolar fractures and ligamentous lesions of the ankle joint] Zara C, et al. **Arch Putti Chir Organi Mov** 1985; 35:285–93 (Eng. Abstr.) **(Ita)**
[Standardized images of sprained ankles] Lindgren I, et al. **Tidsskr Nor Laegeforen** 1986 Nov 20;106(32):2743–5 (Eng. Abstr.) **(Nor)**
[Fractures and ligament injuries of the ankle joint treated at the Bjelovar Medical Center during the past 5 years] Veseli S, et al. **Lijec Vjesn** 1986 Nov-Dec;108(11-12):487–9 (Eng. Abstr.) **(Scr)**
[Acute ligamentous injuries of the knee] Vukadinović S, et al. **Med Pregl** 1986;39(3-4):177–82 (Eng. Abstr.) **(Scr)**

INNERVATION

Neural anatomy of the human anterior cruciate ligament. Schutte MJ, et al. **J Bone Joint Surg [Am]** 1987 Feb; 69(2):243–7
[Anterior cruciate ligament reflex (LCA reflex)] Grüber J, et al. **Unfallchirurg** 1986 Dec;89(12):551–4 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Tenosynovial fibroma arising from the posterior cruciate ligament. Ogata K, et al. **Clin Orthop** 1987 Feb;(215):153–5
Inflammatory involvement of cervical spine ligaments in patients with rheumatoid arthritis and atlantoaxial subluxation. Konttinen YT, et al. **J Rheumatol** 1987 Jun; 14(3):531–4
Case report 384: Paraparesis from cauda equina compression due to disc herniation of L4–L5, in a patient with ossification of the posterior longitudinal ligament (OPLL) at L4–L5 and C4–C5. Merlini L, et al. **Skeletal Radiol** 1986; 15(6):488–91

PHYSIOLOGY

Experimental studies on the influences of physical activity on ligaments, tendons and joints: a brief review. Tipton CM, et al. **Acta Med Scand [Suppl]** 1986;711:157–68 (42 ref.)
Immobilization and retraining of cruciate ligaments in the rat. Larsen NP, et al. **Acta Orthop Scand** 1987 Jun; 58(3):260–4
The synergistic action of the anterior cruciate ligament and thigh muscles in maintaining joint stability. Solomonow M, et al. **Am J Sports Med** 1987 May-Jun;15(3):207–13
The effects of the tibial femoral angle and of disuse on the strength of canine anterior cruciate ligaments. Bahniuk E. **Bull Hosp Jt Dis Orthop Inst** 1986 Fall;46(2):185–92
The role of cruciate ligaments in maintaining knee joint stability. Rong GW, et al. **Clin Orthop** 1987 Feb;(215):65–71
Measurements of anterior laxity in normal and anterior cruciate absent knees with two instrumented test devices. Sherman OH, et al. **Clin Orthop** 1987 Feb;(215):156–61
Experimental elbow instability after transection of the medial collateral ligament. Søjbjerg JO, et al. **Clin Orthop** 1987 May;(218):186–90
Metacarpophalangeal joint motion and the role of the collateral ligaments. Schultz RJ, et al. **Int Orthop** 1987; 11(2):149–55
In situ mechanical behavior of posterior spinal ligaments in the lumbar region. An in vitro study. Dumas GA, et al. **J Biomech** 1987;20(3):301–10
Effects of knee flexion on the structural properties of the rabbit femur-anterior cruciate ligament-tibia complex (FATC). Woo SL, et al. **J Biomech** 1987;20(6):557–63
Temperature dependent behavior of the canine medial collateral ligament. Woo SL, et al. **J Biomech Eng** 1987 Feb;109(1):68–71
The role of the posterolateral and cruciate ligaments in the stability of the human knee. A biomechanical study. Gollehon DL, et al. **J Bone Joint Surg [Am]** 1987 Feb; 69(2):233–42
Lateral stability of the proximal interphalangeal joint. Kiefhaber TR, et al. **J Hand Surg [Am]** 1986 Sep; 11(5):661–9
In-vitro ligament tension pattern in the flexed knee in passive loading. Ahmed AM, et al. **J Orthop Res** 1987;5(2):217–30
Valgus stability of the elbow. Hotchkiss RN, et al. **J Orthop Res** 1987;5(3):372–7
New experimental procedures to evaluate the biomechanical properties of healing canine medial collateral ligaments. Woo SL, et al. **J Orthop Res** 1987;5(3):425–32
Reliability of measuring anterior laxity of the knee joint using a knee ligament arthrometer. Hanten WP, et al. **Phys Ther** 1987 Mar;67(3):357–9
Anatomic basis of ligamentous control of elevation of the shoulder (reference position of the shoulder joint). Gagey O, et al. **Surg Radiol Anat** 1987;9(1):19–26
[Biomechanics of the posterior cruciate ligament of the knee] Sepulchre P, et al. **Acta Orthop Belg** 1986 Jul-Aug; 52(4):437–48 (Eng. Abstr.) **(Fre)**
[Biomechanics of the upper ankle joint] Seiler H. **Orthopade** 1986 Nov;15(6):415–22 (Eng. Abstr.) **(Ger)**
[Biomechanical studies of the ligaments of the knee joint (anterior cruciate ligament and medial collateral ligament) using amputated limbs] Arai Y.
Nippon Seikeigeka Gakkai Zasshi 1986 Jul;60(7):727–43 (Eng. Abstr.) **(Jpn)**
[Studies on the mechanical properties of the knee ligament] Kubotera D. **Nippon Seikeigeka Gakkai Zasshi** 1987 Apr; 61(4):347–59 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Grade III injuries of the lateral ligaments of the ankle: the incidence and a simple stress test. Muwanga CL, et al. **Arch Emerg Med** 1986 Dec;3(4):247–51
[The load-bearing function of a patellar tendon bearing cast] Mimura H. **Nippon Seikeigeka Gakkai Zasshi** 1986 Aug; 60(8):959–71 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Radiographic features of anterior cruciate ligament reconstruction. Burnstein MI, et al.
Henry Ford Hosp Med J 1986;34(4):270–4
Evaluation of ankle ligamentous insufficiency using the Telos ankle stress apparatus. Christensen JC, et al.
J Am Podiatr Med Assoc 1986 Sep;76(9):527–31
Computed arthrotomography with multiplanar reformations and three-dimensional image analysis in the evaluation of the cruciate ligaments: preliminary investigation. Kursunoglu S, et al. **J Can Assoc Radiol** 1986 Sep; 37(3):153–6
[The enthesopathic shoulder] Fournié B, et al.
Rev Rhum Mal Osteoartic 1987 Jun;54(6):447–51 (Eng. Abstr.) **(Fre)**
[A simple method of studying cruciate ligaments in arthrography] Corbetti F, et al. **Radiol Med (Torino)** 1986 Oct;72(10):760–3 (Eng. Abstr.) **(Ita)**

SURGERY

Extra-articular ligamentoplasty for chronic ACL insufficiency. Claes T, et al. **Acta Orthop Belg** 1986 Jul-Aug;52(4):515–25
Long term results of primary suturing of the acutely torn anterior cruciate ligament. De Meulemeester C, et al.
Acta Orthop Belg 1986 Jul-Aug;52(4):453–63
The intra-articular use of bio-degradable polymer coated carbon filament as an adjunct to repair or reconstruction of cruciate ligaments. Rusch RE, et al.
Acta Orthop Belg 1986 Jul-Aug;52(4):564–73
Reconstruction of the anterior cruciate ligament using the tendon of the semitendinosus muscle. Vandendriessche G, et al. **Acta Orthop Belg** 1986 Jul-Aug;52(4):528–40
Free patellar tendon graft for reconstruction of old posterior cruciate ligament ruptures. Verdonk R, et al.
Acta Orthop Belg 1986 Jul-Aug;52(4):554–60
Repair of the anterior cruciate ligament. Augmentation versus conventional suture of fresh rupture. Aho AJ, et al. **Acta Orthop Scand** 1986 Aug;57(4):354–7
Effect of the calcaneofibular ligament on hindfoot rotation in amputation specimens. Kjaersgaard-Andersen P, et al.
Acta Orthop Scand 1987 Apr;58(2):135–8
The natural history of the anterior cruciate ligament autograft of patellar tendon origin. Amiel D, et al.
Am J Sports Med 1986 Nov-Dec;14(6):449–62
Analysis of the Müller anterolateral femorotibial ligament reconstruction using a computerized knee model. Gibson M, et al. **Am J Sports Med** 1986 Sep-Oct;14(5):371–5
A biomechanical comparison of different surgical techniques of graft fixation in anterior cruciate ligament reconstruction. Kurosaka M, et al. **Am J Sports Med** 1987 May-Jun;15(3):225–9
The relationship of vascularity and water content to tensile strength in a patellar tendon replacement of the anterior cruciate in dogs. McFarland EG, et al.
Am J Sports Med 1986 Nov-Dec;14(6):436–48 (77 ref.)
Hinged cast after knee ligament surgery. Sandberg S, et al.
Am J Sports Med 1987 May-Jun;15(3):270–4
Effect of electrical stimulation on quadriceps strength after reconstructive surgery of the anterior cruciate ligament. Sisk TD, et al. **Am J Sports Med** 1987 May-Jun; 15(3):215–20
Acromioclavicular dislocations treated by coracoacromial ligament transfer. Karlsson J, et al.
Arch Orthop Trauma Surg 1986;106(1):8–11
Secondary reconstruction of the lateral ligaments of the ankle by the Chrisman-Snook technique. Noyez JF, et al.
Arch Orthop Trauma Surg 1986;106(1):52–6
Transposition of coracoacromial ligament to humerus in treatment of vertical shoulder joint instability. Clinical applicability of experimental technique. Ovesen J, et al.
Arch Orthop Trauma Surg 1987;106(5):323–6
The stability of the elbow following excision of the radial head and transection of the annular ligament. An experimental study. Søjbjerg JO, et al.
Arch Orthop Trauma Surg 1987;106(4):248–50
Comparison of arthroscopic and open techniques in carbon fibre reconstruction of the anterior cruciate ligament: long-term follow-up after 5 years. Bray RC, et al.
Arthroscopy 1987;3(2):106–10
Arthroscopic evaluation of anterior cruciate ligament reconstructions. Meyers JF, et al. **Arthroscopy** 1986; 2(3):155–61
Arthroscopic Bankart suture repair: technique and early results. Morgan CD, et al. **Arthroscopy** 1987;3(2):111–22
Substitution of the anterior cruciate ligament: a long-term histologic and biomechanical study with autogenous pedicled grafts of the iliotibial band in dogs. van Rens TJ, et al. **Arthroscopy** 1986;2(3):139–54
Review of coracoclavicular ligament reconstruction using Dacron graft material. Goldberg JA, et al.
Aust NZ J Surg 1987 Jul;57(7):441–5
Treatment of the anterior cruciate ligament-absent knee with associated meniscal tears. Instrumented testing and clinical evaluation of two patient groups. Ferkel RD, et al.
Clin Orthop 1987 Sep;(222):239–48
Synthetic ligaments. Current status. Funk FJ Jr.
Clin Orthop 1987 Jun;(219):107–11
Ligament reconstruction for the painful "prearthritic" thumb carpometacarpal joint. Lane LB, et al. **Clin Orthop** 1987 Jul;(220):52–7
An anterior cruciate ligament (ACL) evaluation format for assessment of artificial or autologous anterior cruciate reconstruction results. Lukianov AV, et al. **Clin Orthop** 1987 May;(218):167–80
Postoperative patellar complications with or without lateral release during total knee arthroplasty. Ritter MA, et al.
Clin Orthop 1987 Jun;(219):163–8
Muscle exercise after anterior cruciate ligament reconstruction. Biomechanics of the simultaneous isometric contraction method of the quadriceps and the hamstrings. Yasuda K, et al. **Clin Orthop** 1987 Jul;(220):266–74
Exercise after anterior cruciate ligament reconstruction. The force exerted on the tibia by the separate isometric contractions of the quadriceps or the hamstrings. Yasuda K, et al. **Clin Orthop** 1987 Jul;(220):275–83
Reconstruction of the anterior cruciate ligament of the knee using a doubled tendon graft. Zariznyj B. **Clin Orthop**

1987 Jul;(220):162–75
Acceptance of a connective tissue equivalent for grafting and capsuloligamentary reconstruction. Chamson A, et al. **Clin Physiol Biochem** 1986;4(5):281–4
Navicular suspensory desmotomy in the treatment of navicular disease: technique and preliminary results. Wright IM. **Equine Vet J** 1986 Nov;18(6):443–6
Transection of the canine anterior cruciate ligament: a concise review of experience with this model of degenerative joint disease. Johnson RG. **Exp Pathol** 1986; 30(4):209–13 (13 ref.)
Repair of lateral ligament of ankle. Gould N. **Foot Ankle** 1987 Aug;8(1):55–8
Repair of the rotator cuff. End-result study of factors influencing reconstruction. Ellman H, et al. **J Bone Joint Surg [Am]** 1986 Oct;68(8):1136–44
Reconstruction of the ulnar collateral ligament in athletes. Jobe FW, et al. **J Bone Joint Surg [Am]** 1986 Oct; 68(8):1158–63
Intra-articular reconstruction of the anterior cruciate ligament with and without extra-articular supplementation by transfer of the biceps femoris tendon. Roth JH, et al. **J Bone Joint Surg [Am]** 1987 Feb;69(2):275–8
Failure of anterior cruciate-ligament reconstruction using tendon xenograft. van Steensel CJ, et al. **J Bone Joint Surg [Am]** 1987 Jul;69(6):860–4
Reconstruction of the ulnar collateral ligament in athletes [letter] Wittlinger AP. **J Bone Joint Surg [Am]** 1987 Jul; 69(6):953–4
Reconstruction of the anterior cruciate ligament by allogeneic tendon graft. An operation for chronic ligamentous insufficiency. Shino K, et al. **J Bone Joint Surg [Br]** 1986 Nov;68(5):739–46
Prosthetic anterior cruciate ligaments in the rabbit. A comparison of four types of replacement. Thomas NP, et al. **J Bone Joint Surg [Br]** 1987 Mar;69(2):312–6
Percutaneous accessory collateral ligament release in the treatment of proximal interphalangeal joint flexion contracture. Stanley JK, et al. **J Hand Surg [Br]** 1986 Oct; 11(3):360–3
Arthroscopic knee ligament reconstruction. Barrett GR. **J Miss State Med Assoc** 1987 May;28(5):113–5
Origin of replacement cells for the anterior cruciate ligament autograft. Kleiner JB, et al. **J Orthop Res** 1986;4(4):466–74
A comparison of various types of fixation devices for protection of the posterior cruciate ligament against a posterior drawer force. O'Meara CB, et al. **J Orthop Res** 1986;4(4):499–503
Augmentation of anterior cruciate ligament reconstruction in dogs with prostheses of different stiffnesses. Yoshiya S, et al. **J Orthop Res** 1986;4(4):475–85
Long-term inversion stability of the ankle after rupture of the lateral ligaments. Homminga GN, et al. **Neth J Surg** 1986 Aug;38(4):103–5
Observations on the healing process of the medial patellar ligament after desmotomy in cattle. Okamoto Y, et al. **Nippon Juigaku Zasshi** 1986 Oct;48(5):933–41
Postoperative TENS pain relief after knee surgery: objective evaluation. Arvidsson I, et al. **Orthopedics** 1986 Oct; 9(10):1346–51
Percutaneous desmotomy of digits for stiffness from fixed edema. Winnicki JL, et al. **Plast Reconstr Surg** 1987 Jul; 80(1):88–91
[Coracoclavicular ligamentplasty in the treatment of acromioclavicular dislocation] Lei MX, et al. **Chung Hua Wai Ko Tsa Chih** 1987 Feb;25(2):70–1, 124 (Eng. Abstr.) **(Chi)**
[Rehabilitation after reconstructive surgery of the ligaments of the knee joint] Zeman M. **Rozhl Chir** 1986 Aug; 65(8–9):561–6 (Eng. Abstr.) **(Cze)**
[Reconstruction of the anterior cruciate ligament using Kennedy's augmented plastic surgery] Van Overschelde J, et al. **Acta Orthop Belg** 1986 Jul–Aug;52(4):576–82 (Eng. Abstr.) **(Fre)**
[Subacromial syndromes. Section of the acromio-coracoid ligament under arthroscopy (letter)] Philandrianos G, et al. **Presse Med** 1986 Sep 27;15(32):1643–4 **(Fre)**
[Stabilization of the external condyle of the knee in chronic anterior laxity. Importance of the popliteal muscle] Bousquet G, et al. **Rev Chir Orthop** 1986;72(6):427–34 (Eng. Abstr.) **(Fre)**
[Surgical treatment of idiopathic congenital talipes equine varus by release of the soft tissues] Seringe R, et al. **Rev Chir Orthop** 1986;72 Suppl 2:63–5 **(Fre)**
[Alloplastic replacement of the anterior cruciate ligament by a polytetrafluoroethylene ligament. Animal experiment study] Apel R, et al. **Unfallchirurgie** 1986 Dec;12(6):291–4 (Eng. Abstr.) **(Ger)**
[Carbon band implants in animal experiments. Light and transmission electron microscopy studies of biocompatibility] Rohe K, et al. **Z Orthop** 1986 Sep–Oct; 124(5):569–77 (Eng. Abstr.) **(Ger)**
[Function of the locomotor system of patients before and after alloplasty of the knee joint ligaments] Miakotina LI, et al. **Ortop Travmatol Protez** 1987 Apr;(4):41–4 (Eng. Abstr.) **(Rus)**
[New approach to restoring the elements of the bursa-ligament apparatus in chronic knee joint instability] Remizov VB. **Ortop Travmatol Protez** 1987 Apr;(4):38–41 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Anterior cruciate ligament allograft transplantation. Long-term function, histology, revascularization, and operative technique. Nikolaou PK, et al. **Am J Sports Med** 1986 Sep–Oct;14(5):348–60
[Results of magnetic resonance (MR) tomography in the follow-up of transplantations of the cruciate ligament] Haller W, et al. **Unfallchirurg** 1986 Aug;89(8):375–9 (Eng. Abstr.) **(Ger)**

LIGANDINS see GLUTATHIONE TRANSFERASES

LIGANDS

see related
RADIOLIGAND ASSAY
RECEPTORS, ENDOGENOUS SUBSTANCES

Ionization of clusters. III. Evaluation of interaction parameters from binding data. Saroff HA. **Arch Biochem Biophys** 1987 Jul;256(1):110–30
Binding of n-mers to one-dimensional lattices with longer than close-contact interactions. Chen Y. **Biophys Chem** 1987 Jul;27(1):59–65
Synthesis of beta-carboline-benzodiazepine hybrid molecules: use of the known structural requirements for benzodiazepine and beta-carboline binding in designing a novel, high-affinity ligand for the benzodiazepine receptor. Dodd RH, et al. **J Med Chem** 1987 Jul;30(7):1248–54
The effect of co-operativity on the equilibrium binding of symmetric bivalent ligands to antibodies: theoretical results with application to histamine release from basophils. Wofsy C, et al. **Mol Immunol** 1987 Feb;24(2):151–61
[Effect of ligands with selective type of binding on the DNA helix-coil transition] Lando DIu, et al. **Mol Biol (Mosk)** 1987 Mar–Apr;21(2):330–7 (Eng. Abstr.) **(Rus)**

ANALYSIS

Pitfalls in demonstrating an endogenous ligand of imipramine recognition sites. Lee CR, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):945–9
Protocols for use of ultrafiltration in determination of free ligand concentration and of complexity of ligand/protein interactions. Wolfer GK Jr, et al. **Clin Chem** 1987 Jan; 33(1):115–7

METABOLISM

Relative spectral response as a function of sequential ligand binding. Deerfield DW 2d, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1207–12
Patterns of ligand binding to normal, regenerating, preneoplastic, and neoplastic rat hepatocytes. Harris L, et al. **Cancer Res** 1987 Aug 1;47(15):3954–8
Double site enzyme and squatting: where one regulatory ligand is also a substrate of the reaction. Mazat JP, et al. **J Theor Biol** 1986 Jul 7;121(1):89–103
The ouabain receptor in animal tissues and its endogenous ligand. Lichtstein D, et al. **Klin Wochenschr** 1987;65 Suppl 8:40–8

LIGASES

Domain structure of rat liver carbamoyl phosphate synthetase I. Powers-Lee SG, et al. **J Biol Chem** 1986 Nov 25; 261(33):15349–52

ANALYSIS

Direct assay for phosphotransacetylase and acetyl-coenzyme A carboxylase by high-performance liquid chromatography. De Spiegeleer B, et al. **Anal Biochem** 1986 Oct;158(1):195–200
Measurement of acetyl-CoA carboxylase activity in isolated hepatocytes. Bijleveld C, et al. **Biochim Biophys Acta** 1987 Apr 24;918(3):274–83
Clinical application of enzyme immunoassay in the analysis of citrullinemia. Imamura Y, et al. **Clin Chim Acta** 1987 Apr 30;164(2):201–8
Determination of the quantity of acetyl CoA carboxylase by [14C]methyl avidin binding. Roman-Lopez CR, et al. **J Lipid Res** 1987 May;28(5):599–604
Direct measurement of vitamin K-dependent enzymes in various isolated and cultured tumor and non-tumor cells. de Boer-van den Berg MA, et al. **Mol Cell Biochem** 1987 May;75(1):71–6

ANTAGONISTS & INHIBITORS

Inhibition of urea cycle enzymes by lysine and saccharopine. Ameen M, et al. **Biochem Int** 1987 Mar;14(3):395–400
Inhibition of carbamoyl-phosphate synthase (ammonia) by Tris and Hepes. Effect on Ka for N-acetylglutamate. Lund P, et al. **Biochem J** 1987 Apr 1;243(1):273–6
In situ regulation of mammalian CTP synthetase by allosteric inhibition. Aronow B, et al. **J Biol Chem** 1987 Apr 15; 262(11):5106–12

BIOSYNTHESIS

Overproduction, purification, and characterization of adenylosuccinate synthetase from Escherichia coli. Bass MB, et al. **Arch Biochem Biophys** 1987 Jul;256(1):335–42
Hormonal regulation of carbamoyl-phosphate synthetase I synthesis in primary cultured hepatocytes and Reuber hepatoma H-35. Defective regulation in hepatoma cells. Kitagawa Y. **Eur J Biochem** 1987 Aug 17;167(1):19–25

BLOOD

Alterations in components of the ubiquitin-protein ligase system following maturation of reticulocytes to erythrocytes. Raviv O, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):658–65

CLASSIFICATION

[Carbamyl phosphate synthase or synthetase?] Kopieczna-Grzebieniak E, et al. **Postepy Biochem** 1986; 32(1–2):225–7 (27 ref.) **(Pol)**

DEFICIENCY

Citrullinaemia as a cause of neurological disease in neonatal Friesian calves. Harper PA, et al. **Aust Vet J** 1986 Nov; 63(11):378–9
Carbamyl phosphate synthetase I deficiency with no detectable mRNA activity. Suzuki Y, et al. **Eur J Pediatr** 1986 Oct;145(5):406–8
Structure of an abnormal messenger RNA for argininosuccinate synthetase in citrullinemia. Kobayashi K, et al. **Hum Genet** 1987 May;76(1):27–32
Lipid metabolism in biotin-responsive multiple carboxylase deficiency. Gonzalez-Rios MC, et al. **J Inherited Metab Dis** 1985;8(4):184–6
Immunological evidence for a carbamylphosphate synthetase lesion resulting in the formation of enzyme with altered sub-unit size. Hoogenraad NJ, et al. **J Inherited Metab Dis** 1986;9(4):367–73
Kinetic abnormalities of carbamyl phosphate synthetase-I in a case of congenital hyperammonaemia. Qureshi IA, et al. **J Inherited Metab Dis** 1986;9(3):253–60

GENETICS

Mammalian mutants genetically altered in CTP synthetase activity. Aronow B, et al. **Adv Exp Med Biol** 1986;195 Pt B:263–9
Preparation of functional acetyl-CoA carboxylase mRNA from rat mammary gland. López-Casillas F, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):63–8
Increased messenger RNA concentration for carbamoyl-phosphate synthase II in hepatoma 3924A. Reardon MA, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):494–500
Reciprocal regulation of glutamine synthetase and carbamoylphosphate synthetase levels in rat liver. de Groot CJ, et al. **Biochim Biophys Acta** 1987 Apr 29;908(3):231–40
The leader peptide of yeast gene CPA1 is essential for the translational repression of its expression. Werner M, et al. **Cell** 1987 Jun 19;49(6):805–13
Retrovirus-mediated gene transfer of argininosuccinate synthetase into cultured rodent cells and human citrullinemic fibroblasts. Wood PA, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:1027–32
DNA rearrangements associated with instability of an arginine gene in Streptomyces coelicolor A3(2). Flett F, et al. **J Basic Microbiol** 1987;27(1):3–10
Rat carbamyl-phosphate synthetase I gene. Promoter sequence and tissue-specific transcriptional regulation in vitro. Lagacé M, et al. **J Biol Chem** 1987 Aug 5; 262(22):10415–8
Regulation of carbamoyl phosphate synthetase-aspartate transcarbamoylase-dihydroorotase gene expression in growing and arrested cells. Liao WS, et al. **J Biol Chem** 1986 Nov 25;261(33):15577–81
Restriction fragment length polymorphisms in the 5' end region of the human argininosuccinate synthetase gene. Jinno Y, et al. **J Inherited Metab Dis** 1986;9(3):317–20
Structure of the 5'end region of the human argininosuccinate synthetase gene. Jinno Y, et al. **J Inherited Metab Dis** 1985; 8(3):157–9
Analysis of the enzyme abnormality in eight cases of neonatal and infantile citrullinaemia in Japan. Saheki T, et al. **J Inherited Metab Dis** 1985;8(3):155–6
The rudimentary gene of Drosophila melanogaster encodes four enzymic functions. Freund JN, et al. **J Mol Biol** 1987 Jan 5;193(1):1–13
Amplification of human argininosuccinate synthetase pseudogenes. Nomiyama H, et al. **J Mol Biol** 1986 Nov 20;192(2):221–33
Nucleotide sequence of the pyrimidine specific carbamoyl phosphate synthetase, a part of the yeast multifunctional protein encoded by the URA2 gene. Souciet JL, et al. **MGG** 1987 May;207(2–3):314–9
Isolation of human cDNAs for asparagine synthetase and expression in Jensen rat sarcoma cells. Andrulis IL, et al. **Mol Cell Biol** 1987 Jul;7(7):2435–43
Human argininosuccinate synthetase minigenes are subject to arginine-mediated repression but not to trans induction. Boyce FM, et al. **Mol Cell Biol** 1986 Apr;6(4):1244–52
Use of the Escherichia coli gene for asparagine synthetase as a selective marker in a shuttle vector capable of dominant transfection and amplification in animal cells. Cartier M, et al. **Mol Cell Biol** 1987 May;7(5):1623–8
Induction and repression of the urea amidolyase gene in

Saccharomyces cerevisiae. Genbauffe FS, et al. **Mol Cell Biol** 1986 Nov;6(11):3954–64

Arginine–mediated regulation of an argininosuccinate synthetase minigene in normal and canavanine–resistant human cells. Jackson MJ, et al. **Mol Cell Biol** 1986 Jun; 6(6):2257–61

The yeast DNA repair gene RAD6 encodes a ubiquitin–conjugating enzyme. Jentsch S, et al. **Nature** 1987 Sep 10–16;329(6135):131–4

Homology between Streptomyces genes coding for synthesis of different polyketides used to clone antibiotic biosynthetic genes. Malpartida F, et al. **Nature** 1987 Feb 26–Mar 4; 325(6107):818–21

Vitamin K–dependent carboxylase: possible role of the substrate "propeptide" as an intracellular recognition site. Suttie JW, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(3):634–7

Expression of human argininosuccinate synthetase after retroviral–mediated gene transfer. Wood PA, et al. **Somatic Cell Mol Genet** 1986 Sep;12(5):493–500

[Structure and evolution of the gene coding for carbamyl phosphate synthetase] Nyunoya H, et al. **Tanpakushitsu Kakusan Koso** 1986 Dec;31(15):1604–20 (110 ref.) **(Jpn)**

ISOLATION & PURIFICATION

Purification of mammalian glycinamide ribonucleotide (GAR) synthetase. Hards RG, et al. **Adv Exp Med Biol** 1986;195 Pt B:315–9

Heparin–agarose chromatography for the purification of tetrahydrofolate utilizing enzymes: C1–tetrahydrofolate synthase and 10–formyltetrahydrofolate synthetase. Staben C, et al. **Anal Biochem** 1987 Apr;162(1):257–64

Isolation of a multifunctional protein with aminoimidazole ribonucleotide synthetase, glycinamide ribonucleotide synthetase, and glycinamide ribonucleotide transformylase activities: characterization of aminoimidazole ribonucleotide synthetase. Schrimsher JL, et al. **Biochemistry** 1986 Jul 29;25(15):4356–65

Purification and characterization of aminoimidazole ribonucleotide synthetase from Escherichia coli. Schrimsher JL, et al. **Biochemistry** 1986 Jul 29; 25(15):4366–71

Human liver methenyltetrahydrofolate synthetase: improved purification and increased affinity for folate polyglutamate substrates. Bertrand R, et al. **Biochim Biophys Acta** 1987 Jan 30;911(2):154–61

Immunoaffinity chromatography utilizing monoclonal antibodies. Factors which influence antigen–binding capacity. Pfeiffer NE, et al. **J Immunol Methods** 1987 Feb 26;97(1):1–9

METABOLISM

Regulation of carbamoyl–phosphate synthase II. Weber G, et al. **Adv Enzyme Regul** 1986;25:65–83

The relationship between structure and function for and the regulation of the enzymes of fatty acid synthesis. Wakil SJ. **Ann NY Acad Sci** 1986;478:203–19 (48 ref.)

In situ behavior of the pyrimidine pathway enzymes in Saccharomyces cerevisiae. 2. Reaction mechanism of aspartate transcarbamylase dissociated from carbamylphosphate synthetase by genetic alteration. Belkaid M, et al. **Arch Biochem Biophys** 1987 May 1; 254(2):568–78

ATPase activity of biotin carboxylase provides evidence for initial activation of HCO3– by ATP in the carboxylation of biotin. Climent I, et al. **Arch Biochem Biophys** 1986 Dec; 251(2):465–70

Modulation of acetyl–CoA carboxylase by inhibitors of IMP dehydrogenase: implications for insulin regulation. Witters LA, et al. **Arch Biochem Biophys** 1987 Jan;252(1):130–5

Synthesis of N4–substituted CTP by mammalian CTP synthetase. Kizaki H, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):569–74

Nucleotide stereochemistry in the formyltetrahydrofolate synthetase reaction. Mejillano MR, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):967–73

Stimulation by a tumor–promoting phorbol ester of acetyl–CoA carboxylase activity in isolated rat hepatocytes. Vaartjes WJ, et al. **Biochem Biophys Res Commun** 1987 Jan 15;142(1):135–40

Use of rapid gel–permeation chromatography to explore the inter–relationships between polymerization, phosphorylation and activity of acetyl–CoA carboxylase. Effects of insulin and phosphorylation by cyclic AMP–dependent protein kinase. Borthwick AC, et al. **Biochem J** 1987 Feb 1;241(3):773–82

Protein phosphorylation in rat mammary acini and in cytosol preparations in vitro. Phosphorylation of acetyl–CoA carboxylase is unaffected by cyclic AMP. Clegg RA, et al. **Biochem J** 1987 Jan 15;241(2):447–54

Evidence that activation of acetyl–CoA carboxylase by insulin in adipocytes is mediated by a low–Mr effector and not by increased phosphorylation. Haystead TA, et al. **Biochem J** 1986 Nov 15;240(1):99–106

Insulin activation of lipogenesis in isolated mammary acini from lactating rats fed on a high–fat diet. Evidence that acetyl–CoA carboxylase is a site of action. Munday MR, et al. **Biochem J** 1987 Mar 15;242(3):905–11

The role of acetyl–CoA carboxylase phosphorylation in the control of mammary gland fatty acid synthesis during the starvation and re–feeding of lactating rats. Munday MR, et al. **Biochem J** 1986 Jul 1;237(1):85–91

Carbamoyl–phosphate synthetase: an example of effects on enzyme properties of shifting an equilibrium between active monomer and active oligomer. Anderson PM. **Biochemistry** 1986 Sep 23;25(19):5576–82

Stereochemical probes of the argininosuccinate synthetase reaction. Chapman TL, et al. **Biochemistry** 1986 Aug 26; 25(17):4739–44

Isotope exchange at equilibrium studies with rat muscle adenylosuccinate synthetase. Cooper BF, et al. **Biochemistry** 1986 Nov 18;25(23):7323–7

Carbamoyl–phosphate synthetase II of the mammalian CAD protein: kinetic mechanism and elucidation of reaction intermediates by positional isotope exchange. Meek TD, et al. **Biochemistry** 1987 May 5;26(9):2584–93

Regulation of acetyl–CoA carboxylase by ADP–ribosylation. Witters LA, et al. **Biochemistry** 1986 Nov 4;25(22):7216–20

Evidence for the glycoprotein nature of vitamin K–dependent carboxylase from rat liver. Brody T, et al. **Biochim Biophys Acta** 1987 Jan 20;923(1):1–7

The in vivo effects of acenocoumarol, phenprocoumon and warfarin on vitamin K epoxide reductase and vitamin K–dependent carboxylase in various tissues of the rat. de Boer–van den Berg MA, et al. **Biochim Biophys Acta** 1986 Oct 29;884(1):150–7

Kinetic properties of carbamoyl–phosphate synthetase II (glutamine–hydrolyzing) in the parasitic protozoan Crithidia fasciculata and separation of the enzyme from aspartate carbamoyltransferase. Aoki T, et al. **Comp Biochem Physiol [B]** 1987;87(1):143–50

Measurement of glycinamide ribonucleotide synthetase activity in intact human fibroblasts and Chinese hamster ovary cells. Hards RG, et al. **Enzyme** 1986;35(3):117–26

Limited proteolysis reveals low–affinity binding of N–acetyl–L–glutamate to rat–liver carbamoyl–phosphate synthetase (ammonia). Guadalajara A, et al. **Eur J Biochem** 1987 May 15;165(1):163–9

Synthesis, accumulation and turnover of carbamoylphosphate synthetase and phosphoenolpyruvate carboxykinase in cultures of embryonic rat hepatocytes. van Roon MA, et al. **Eur J Biochem** 1987 May 15;165(1):229–34

Primary structure of the biotin–binding site of chicken liver acetyl–CoA carboxylase. Takai T, et al. **FEBS Lett** 1987 Feb 9;212(1):98–102

Studies in rats on in vitro inhibition and in vivo activity of vitamin–K–dependent carboxylation. Cocchetto DM, et al. **Haemostasis** 1986;16(5):321–36

gamma–Glutamyl carboxylase activity in experimental tumor tissues: a biochemical basis for vitamin K dependence of cancer procoagulant. Roncaglioni MC, et al. **Haemostasis** 1986;16(3–4):295–9

Studies of the vitamin K–dependent carboxylase and vitamin K epoxide reductase in rat liver. Suttie JW, et al. **Haemostasis** 1986;16(3–4):193–215 (62 ref.)

Comparison between hepatic and nonhepatic vitamin K–dependent carboxylase. Vermeer C. **Haemostasis** 1986; 16(3–4):239–45

Vitamin K–dependent carboxylation. Friedman PA, et al. **Int J Biochem** 1987;19(1):1–7 (76 ref.)

Acetyl–CoA carboxylase of sheep adipose tissue: problems of the assay and adaptation during fetal development. Vernon RG, et al. **J Anim Sci** 1986 Oct;63(4):1119–25

Possible involvement of acetyl coenzyme A carboxylase as well as fatty acid synthetase in the temperature–controlled synthesis of fatty acids in Saccharomyces cerevisiae. Hori T, et al. **J Biochem (Tokyo)** 1987 Apr;101(4):949–56

Metabolism of threo–beta–fluoroaspartate by H4 cells. Inhibition of adenylosuccinate lyase by fluoro analogs of its substrates. Casey PJ, et al. **J Biol Chem** 1986 Oct 15; 261(29):13637–42

Phosphorylation state of acetyl–coenzyme A carboxylase. II. Variation with nutritional condition. Jamil H, et al. **J Biol Chem** 1987 Jan 15;262(2):638–42

Phosphorylation state of acetyl–coenzyme A carboxylase. I. Linear inverse relationship to activity ratios at different citrate concentrations. Jamil H, et al. **J Biol Chem** 1987 Jan 15;262(2):630–7

Topographical separation of the catalytic sites of asparagine synthetase explored with monoclonal antibodies. Pfeiffer NE, et al. **J Biol Chem** 1987 Aug 25;262(24):11565–70

Photoaffinity labeling of rat liver carbamoyl phosphate synthetase I by 8–azido–ATP. Powers–Lee SG, et al. **J Biol Chem** 1987 Jul 5;262(19):9052–6

In vivo synthesis of carbamyl phosphate from NH3 by the large subunit of Escherichia coli carbamyl phosphate synthetase. Rubino SD, et al. **J Biol Chem** 1987 Mar 25; 262(9):4382–6

10–Formyltetrahydrofolate synthetase. Evidence for a conformational change in the enzyme upon binding of tetrahydropteroylpolyglutamates. Strong W, et al. **J Biol Chem** 1987 Sep 15;262(26):12519–25

Monoclonal antibodies used in immunocytochemical localization by electron microscopy of carbamoyl phosphate synthetase I in liver from rats fed high–protein diets. Martinez–Ramon A, et al. **J Histochem Cytochem** 1987 Aug;35(8):897–907

Synthetic bovine prothrombin precursor 13–29 for studies of vitamin K dependent carboxylase. Pottorf RS, et al. **J Med Chem** 1987 Feb;30(2):445–8

Variation of glycinamide ribonucleotide synthetase levels during in vitro aging of human fibroblasts: implications for gene dosage studies. Hards RG, et al. **Mech Ageing Dev** 1986 Sep;36(1):65–70

Inactivation of Crithidia fasciculata carbamoyl phosphate synthetase II by the antitumor drug acivicin. Aoki T, et al. **Mol Biochem Parasitol** 1987 Mar;23(2):173–81

Post–translational processing of urea amidolyase in Saccharomyces cerevisiae. Sumrada RA, et al. **Mol Cell Biol** 1982 Jul;2(7):800–4

Vitamin K–dependent carboxylase in skin. **Nutr Rev** 1987 Jun;45(6):190–2 (6 ref.)

The effect of cyanate, carbamyl phosphate and growth on the glutamine dependent carbamyl phosphate synthetase from rat spleen and brain. Forman HJ, et al. **Physiol Chem Phys** 1974;6(3):213–23

PHYSIOLOGY

Structural role for a conserved region in the CTP synthetase glutamine amide transfer domain. Weng ML, et al. **J Bacteriol** 1987 Jul;169(7):3023–8

Vitamin K–dependent carboxylase: increased efficiency of the carboxylation reaction. Soute BA, et al. **Thromb Haemost** 1987 Feb 3;57(1):77–81

Substrate recognition by vitamin K–dependent carboxylase. Ulrich MM, et al. **Thromb Haemost** 1987 Feb 3;57(1):17–9

LIGATION

ADVERSE EFFECTS

Severe complication of rubber band ligation of internal hemorrhoids. Shemesh EI, et al. **Dis Colon Rectum** 1987 Mar;30(3):199–200

METHODS

Flush ligation and compression sclerotherapy for the control of venous disease. Sladen JG. **Am J Surg** 1986 Nov; 152(5):535–8

Endoscopic elastic band ligating device, pneumatically released [letter] Frimberger E. **Gastrointest Endosc** 1987 Apr;33(2):129–30

[Internal hemorrhoids. Rubber band ligation] Nordstrand K, et al. **Tidsskr Nor Laegeforen** 1986 Aug 10;106(22):1708–10 (Eng. Abstr.) **(Nor)**

LIGATION, TUBAL see STERILIZATION, TUBAL

LIGHT

see related
LIGHTING
PHOTIC STIMULATION
PHOTOCHEMOTHERAPY
PHOTOMETRY
PHOTOSENSITIVITY DISORDERS
PHOTOTHERAPY
SUNLIGHT

Ultrastructural evidence for estradiol synthesis in the ovary of persistent–estrous rats exposed to continuous illumination. Takeo Y, et al. **Acta Anat (Basel)** 1986; 127(3):161–70

The width of the light reflex on retinal arteries and veins. Brinchmann–Hansen O, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):433–8

The intensity of the light reflex on retinal arteries and veins. Brinchmann–Hansen O, et al. **Acta Ophthalmol (Copenh)** 1986 Oct;64(5):547–52

The light reflex on retinal arteries and veins. A theoretical study and a new technique for measuring width and intensity profiles across retinal vessels. Brinchmann–Hansen O. **Acta Ophthalmol [Suppl] (Copenh)** 1986;179:1–53

Splenic hypertrophy and extramedullary hematopoiesis induced in male Syrian hamsters by short photoperiod or melatonin injections and reversed by melatonin pellets or pinealectomy. Vaughan MK, et al. **Am J Anat** 1987 Jun; 179(2):131–6

Monocular photophobia. Backman HA. **Am J Optom Physiol Opt** 1987 Apr;64(4):299–302

Spectral transmittance of tinted hydrogel contact lenses. Bruce AS, et al. **Am J Optom Physiol Opt** 1986 Dec; 63(12):941–7

Chromatic and luminance difference contribution to stereopsis. Osuobeni EP, et al. **Am J Optom Physiol Opt** 1986 Dec;63(12):970–7

Effects of daily melatonin injections on activity rhythms of rats in constant light. Chesworth MJ, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):R101–7

Effects of photoperiod on hibernation in castrated Turkish hamsters. Goldman BD, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):R337–43

Decreased testosterone levels do not mediate short–photoperiod–induced brown fat changes. Kott KS, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):R963–70

Adrenal, thyroid, and testicular hormone rhythms in male golden hamsters on long and short days. Ottenweller JE, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):R321–8

Preventing ambient light from affecting pulse oximetry [letter] Siegel MN, et al. **Anesthesiology** 1987 Aug;67(2):280

Influence of light and natural microbiota of the Butrón river on E. coli survival. Barcina I, et al. **Antonie Van Leeuwenhoek** 1986;52(6):555–66

Photoinactivation of catalase in vitro and in leaves. Feierabend J, et al. **Arch Biochem Biophys** 1986 Dec; 251(2):567–76

Oxygen radicals are generated by dye–mediated intracellular photooxidations: a role for superoxide in photodynamic effects. Martin JP, et al. **Arch Biochem Biophys** 1987 Jul; 256(1):39–49

Light–adaptation in the photophobic response by Stentor coeruleus. Hong CB, et al. **Arch Microbiol** 1987 Mar; 147(2):117–20

Influence of light intensity on rare–male advantage in Drosophila melanogaster. Lichtenberger M, et al. **Behav Genet** 1987 Mar;17(2):203–10

The effect of light on the sexual behavior of Drosophila affinis. McRobert SP, et al. **Behav Neural Biol** 1987 Mar; 47(2):151–7

Photoperiodic and endocrine control of social proximity behavior in male Japanese quail (Coturnix coturnix japonica). Domjan M. **Behav Neurosci** 1987 Jun; 101(3):385–92

Selenium–induced enhancement of hematoporphyrin derivative phototoxicity in murine bladder tumor cells. Tosk J, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):1086–92

Light stimulates the rapid formation of inositol trisphosphate in squid retinas. Szuts EZ, et al. **Biochem J** 1986 Dec 15; 240(3):929–32

Molecular mechanisms of photosensitization. Laustriat G. **Biochimie** 1986 Jun;68(6):771–8

Photosensitization of mammalian cells by psoralens and porphyrins. Moreno G. **Biochimie** 1986 Jun;68(6):869–73 (63 ref.)

Chemical structure of 3–carbethoxypsoralen–DNA photoadducts. Moysan A, et al. **Biochimie** 1986 Jun; 68(6):787–95

Hematoporphyrin and hematoporphyrin–derivative photosensitization of mitochondria. Salet C. **Biochimie** 1986 Jun;68(6):865–8 (19 ref.)

Photosensitization of membrane components. Santus R, et al. **Biochimie** 1986 Jun;68(6):843–8 (42 ref.)

Effects of light on melatonin production. Boyce P, et al. **Biol Psychiatry** 1987 Apr;22(4):473–8

Short photoperiod–induced gonadal regression: effects on the gonadotropin–releasing hormone (GnRH) neuronal system of the white–footed mouse, Peromyscus leucopus. Glass JD. **Biol Reprod** 1986 Oct;35(3):733–43

Rapid cessation of estrous cyclicity and depressed castration response in short photoperiod–treated, inbred LSH/SsLaK hamsters. Hauser UE, et al. **Biol Reprod** 1986 Sep; 35(2):276–81

Reproductive refractoriness of the ewe to inductive photoperiod is not caused by inappropriate secretion of melatonin. Malpaux B, et al. **Biol Reprod** 1987 Jun; 36(5):1333–41

Circadian and photoperiodic effects of brief light pulses in male Djungarian hamsters. Milette JJ, et al. **Biol Reprod** 1986 Sep;35(2):327–35

Estrogen modifies the circadian timing and amplitude of the luteinizing hormone surge in female hamsters exposed to short photoperiods. Moline ML, et al. **Biol Reprod** 1986 Oct;35(3):516–23

Variations in performance of curing light units by determination of composite resin setting time. Strang R, et al. **Br Dent J** 1987 Jan 24;162(2):63–5

Distribution of oviposition times of hens in continuous darkness or continuous illumination. Bhatti BM. **Br Poult Sci** 1987 Jun;28(2):295–306

Physical activity and energy expenditure of laying hens as affected by light intensity. Boshouwers FM, et al. **Br Poult Sci** 1987 Mar;28(1):155–63

Comparisons of time intervals and plasma LH concentrations during the ovulatory cycle of broiler breeder hens maintained under either a 24 h light:dark cycle or continuous light. Gow CB, et al. **Br Poult Sci** 1987 Mar; 28(1):129–37

Effects of interrupted lighting regimens on the feeding activity of the laying fowl. Lewis PD, et al. **Br Poult Sci** 1986 Dec;27(4):661–9

Production responses of laying hens to 28 h bright:dim light cycles using different light intensity ratios and a 24 h temperature regimen. Waters CJ, et al. **Br Poult Sci** 1987 Jun;28(2):207–12

Sex differences in the effect of intermittent compared with continuous light on growth rate, testes and body weight of broilers reared under commercial conditions. Zakaria AH. **Br Poult Sci** 1987 Jun;28(2):343–6

Action spectrum of the retinal mechanism mediating nocturnal light–induced suppression of rat pineal gland N–acetyltransferase. Bronstein DM, et al. **Brain Res** 1987 Mar 17;406(1–2):352–6

Long day lengths increase brain weight and DNA content in the meadow vole, Microtus pennsylvanicus. Dark J, et al. **Brain Res** 1987 Apr 21;409(2):302–7

Adjustment of the rat pineal N–acetyltransferase rhythm to eight–hour shifts of the light–dark cycle: advance of the cycle disturbs the rhythm more than delay. Illnerová H, et al. **Brain Res** 1987 Aug 4;417(1):167–71

Temperature dependency of light adaptation in bullfrog cone photoreceptors. Haynes LW, et al. **Brain Res Bull** 1987 May;18(5):677–80

Effect of locus coeruleus and periventricular gray substance lesions on bright light–induced persistent estrous. Solano–Flores LP, et al. **Brain Res Bull** 1986 Dec; 17(6):759–65

Light–curing units and protective filters. Cullen AP, et al. **Can Dent Assoc J** 1986 Nov;52(11):939–41

Sources and sinks of light–evoked delta [K+]o in the vertebrate retina. Karwoski CJ, et al. **Can J Physiol Pharmacol** 1987 May;65(5):1009–17 (44 ref.)

Progression and reversibility of early light–induced alterations in rat retinal rods. Moriya M, et al. **Cell Tissue Res** 1986;246(3):607–21

Alteration of nitrogenase activity of Anabaena CH1 and CH2 during light–dark transition. Chen PC. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1986 Aug;19(3):212–7

Storage of specimens in "Microtainer Amber Tubes" protects bilirubin from degradation by light. Desjardins PR, et al. **Clin Chem** 1987 May;33(5):712

Seasonal affective disorder: prevalence varies with latitude and climate. Potkin SG, et al. **Clin Neuropharmacol** 1986; 9 Suppl 4:181–3

Seasonal affective disorder & light: past, present and future. Rosenthal NE, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:193–5

Effect of photoperiod on the diurnal rhythm of plasma testosterone, dihydrotestosterone and androstenedione in mature male chickens. Bachman SE, et al. **Comp Biochem Physiol [A]** 1987;87(3):775–9

The effect of artificial photoperiodicity and antiandrogen treatment on the antler growth and plasma levels of LH, FSH, testosterone, prolactin and alkaline phosphatase in the male white–tailed deer. Bubenik GA, et al. **Comp Biochem Physiol [A]** 1987;87(3):551–9

Transient sensitivity reduction and biphasic photoresponses observed when frog retinal rods are oxidized. Donner K, et al. **Comp Biochem Physiol [A]** 1987;87(3):749–56

Effect of light–adaptation on the binding of 48–kDa protein (S–antigen) to photoreceptor cell membranes. Broekhuyse RM, et al. **Curr Eye Res** 1987 Apr;6(4):607–10

Strain differences in sensitivity to light–induced photoreceptor degeneration in albino mice. LaVail MM, et al. **Curr Eye Res** 1987 Jun;6(6):825–34

Photopic sensitivities to ultraviolet and visible wavelengths and the effects of the macular pigments in human aphakic observers. Stark WS. **Curr Eye Res** 1987 Apr;6(4):631–8

The effects of maternal isolation and light and feeding cycles on the growth of rat pups. Anderson VN, et al. **Dev Psychobiol** 1987 May;20(3):245–59

Light induced oscillations of the standing potential in achromatopsia. Thaler AR, et al. **Doc Ophthalmol** 1986 Nov 15;63(4):333–6

Quantitative analysis of the suppressive effect on the light rise of the hypertonic solution. Wakabayashi K, et al. **Doc Ophthalmol** 1986 Nov 15;63(4):383–8

Diurnal variation in hepatic expression of the rat S14 gene is synchronized by the photoperiod. Kinlaw WB, et al. **Endocrinology** 1987 Apr;120(4):1563–7

The suppression of nocturnal pineal melatonin in the Syrian hamster: dose–response curves at 500 and 360 nm. Podolin PL, et al. **Endocrinology** 1987 Jul;121(1):266–70

The Syrian hamster pineal gland responds to isoproterenol in vivo at night. Vaughan GM, et al. **Endocrinology** 1987 Apr;120(4):1682–4

Control of breeding in the mare. Colquhoun KM, et al. **Equine Vet J** 1987 Mar;19(2):138–42

The light–dependent accumulation of the P700 chlorophyll a protein of the photosystem I reaction center in barley. Evidence for translational control. Kreuz K, et al. **Eur J Biochem** 1986 Sep 15;159(3):459–67

Effect of biologically active light and partial sleep deprivation on sleep, awakening and circadian rhythms in normals. Saletu B, et al. **Eur Neurol** 1986;25 Suppl 2:82–92

Maternal and larval effects of photoperiod on the induction of larval diapause in two species of fly, Calliphora vicina and Lucilia sericata. Saunders DS, et al. **Exp Biol** 1986; 46(1):51–8

Temporal changes in medial basal hypothalamic catecholamines in male Syrian hamsters exposed to short photoperiod. Benson B. **Exp Brain Res** 1987;65(2):371–6

Horizontal optokinetic reflex in light reared and dark reared Israelian gerbils (Meriones tristrami). Sontheimer H, et al. **Exp Brain Res** 1987;66(2):440–4

Light and dark control of the cell cycle in two marine phytoplankton species. Vaulot D, et al. **Exp Cell Res** 1986 Nov;167(1):38–52

Light conductance in the ocular lens. Albrecht–Buehler G, et al. **Exp Eye Res** 1986 Dec;43(6):1009–17

In vivo cGMP levels in frog photoreceptor cells as a function of light exposure. Barbehenn EK, et al. **Exp Eye Res** 1986 Nov;43(5):729–38

Photostasis: regulation of daily photon–catch by rat retinas in response to various cyclic illuminances. Penn JS, et al. **Exp Eye Res** 1986 Dec;43(6):915–28

Cyclic nucleotide levels of the photosensitive irises of Bufo marinus and Lophius. Rubin LJ, et al. **Exp Eye Res** 1986 Nov;43(5):771–9

Lighting conditions affect the levels of plasma gonadotropins differently in old and young castrated male rats. Laakso ML, et al. **Exp Gerontol** 1987;22(1):37–46 (37 ref.)

Renal handling of bilirubin photoderivatives. Elías MM, et al. **Experientia** 1987 Aug 15;43(8):875–8

Photoreactivation of UV damage in cultured Drosophila cells. Koval TM. **Experientia** 1987 Apr 15;43(4):445–6

Circadian pacemaker does not arrest in deep hibernation. Evidence for desynchronization from the light cycle. Pohl H. **Experientia** 1987 Mar 15;43(3):293–4

Light– and nucleotide–dependent increase in apparent viscosity in a suspension of retinal disks. Caretta A, et al. **FEBS Lett** 1987 Jul 13;219(1):97–102

Rapid affinity purification of retinal arrestin (48 kDa protein) via its light–dependent binding to phosphorylated rhodopsin. Wilden U, et al. **FEBS Lett** 1986 Oct 27; 207(2):292–5

Permeabilization of thymocytes by photon activation of erythrosin. Yonuschot G, et al. **FEBS Lett** 1987 Mar 23; 213(2):401–5

Photodegradation of carotenoids in human subjects. Roe DA. **Fed Proc** 1987 Apr;46(5):1886–9

Photodegradation of riboflavin in neonates. Sisson TR. **Fed Proc** 1987 Apr;46(5):1883–5

Direct modulation of activity and body temperature of owl monkeys (Aotus lemurinus griseimembra) by low light intensities. Erkert HG, et al. **Folia Primatol (Basel)** 1986; 47(4):171–88

Constant photoperiod regimes and the entrainment of the annual cycle of reproduction in the female rainbow trout (Salmo gairdneri). Duston J, et al. **Gen Comp Endocrinol** 1987 Mar;65(3):373–84

Photoperiodic regulation of plasma melatonin levels in the laying chicken (Gallus domesticus)1. Liou SS, et al. **Gen Comp Endocrinol** 1987 Aug;67(2):221–6

Light–induced electrical potential changes and motility in desmids. Häder DP, et al. **Gen Physiol Biophys** 1986 Apr; 5(2):173–8

Real light scatter in the human crystalline lens. Weale RA. **Graefes Arch Clin Exp Ophthalmol** 1986;224(5):463–6

Measurement of blue–light effective radiance of welding arcs. Okuno T. **Ind Health** 1986;24(4):213–26

In vitro studies of nitrate reductase (NR) in cotton leaves: role of light, carbohydrate and cytokinin in its regulation. Prakash S, et al. **Indian J Biochem Biophys** 1986 Jun; 23(3):143–7

The effects of the light–dark cycle and its inversion on the susceptibility of mice to lead acetate. Hayashi O, et al. **Int J Biometeorol** 1987 Jun;31(2):95–107

Thiopyronine–sensitized photodynamic effect on cell growth, RNA and DNA synthesis of Chinese hamster ovary cells. Ehrlich W, et al. **Int J Radiat Biol** 1987 Aug;52(2):207–12

Clinical electroretinography for short wavelength sensitive cones. Sawusch M, et al. **Invest Ophthalmol Vis Sci** 1987 Jun;28(6):966–74

Adaptation of the resting states of accommodation. Wolfe JM, et al. **Invest Ophthalmol Vis Sci** 1987 Jun;28(6):992–6

Irradiance of visible light–curing units and voltage variation effects. Fan PL, et al. **J Am Dent Assoc** 1987 Sep; 115(3):442–5

Evaluation of light transmission characteristics of protective eyeglasses for visible light–curing units. Fan PL, et al. **J Am Dent Assoc** 1986 Nov;113(5):770–2

Reproductive responsiveness to short photoperiod develops postnatally in male golden hamsters. Sisk CL, et al. **J Androl** 1987 Mar–Apr;8(2):91–6

Influences of season and artificial photoperiod on stallions: testicular size, seminal characteristics and sexual behavior. Clay CM, et al. **J Anim Sci** 1987 Feb;64(2):517–25

Light and other environmental factors affecting avian reproduction. Farner DS, et al. **J Anim Sci** 1966;25 Suppl:90–118 (184 ref.)

Effect of photoperiod and temperature on prolactin secretion in ovariectomized gilts. Kraeling RR, et al. **J Anim Sci** 1987 Jun;64(6):1690–5

Hormonal patterns of boars exposed to natural or supplemental lighting during pubertal development. Lee KH, et al. **J Anim Sci** 1987 Apr;64(4):1110–6

Regulation of breeding season and estrous cycles by light and external stimuli in some mammals. Thibault C, et al. **J Anim Sci** 1966;25 Suppl:119–42

Effects of photoperiod on growth, carcass composition, prolactin, growth hormone and cortisol in prepubertal and postpubertal Holstein heifers. Zinn SA, et al. **J Anim Sci** 1986 Dec;63(6):1804–15

Control of bacteriochlorophyll accumulation by light in Rhodobacter capsulatus. Biel AJ. **J Bacteriol** 1986 Nov; 168(2):655–9

Role of the response oscillator in inverse responses of Halobacterium halobium to weak light stimuli. Hildebrand E, et al. **J Bacteriol** 1987 Jan;169(1):254–9

Change of membrane potential is not a component of the photophobic transduction chain in Halobacterium halobium. Oesterhelt D, et al. **J Bacteriol** 1987 Aug; 169(8):3515–20

Light–induced increases in cGMP metabolic flux correspond with electrical responses of photoreceptors. Ames A 3d, et al. **J Biol Chem** 1986 Oct 5;261(28):13034–42

Rapid declines in cyclic GMP of rod outer segments of intact frog photoreceptors after illumination. Blazynski C, et al. **J Biol Chem** 1986 Oct 25;261(30):14142–7

Changes in cGMP concentration correlate with some, but not all, aspects of the light–regulated conductance of frog rod photoreceptors. Cote RH, et al. **J Biol Chem** 1986 Oct 5;261(28):12965–75

Mechanism of action of monoclonal antibodies that block the light activation of the guanyl nucleotide–binding protein, transducin. Hamm HE, et al. **J Biol Chem** 1987 Aug 5;262(22):10831–8

Light activation of phospholipase A2 in rod outer segments of bovine retina and its modulation by GTP-binding proteins. Jelsema CL. **J Biol Chem** 1987 Jan 5;262(1):163–8

Control of gene expression during higher plant chloroplast biogenesis. Protein synthesis and transcript levels of psbA, psaA–psaB, and rbcL in dark-grown and illuminated barley seedlings. Klein RR, et al. **J Biol Chem** 1987 Mar 25; 262(9):4341–8

The role of oxygen radicals in dye-mediated photodynamic effects in Escherichia coli B. Martin JP, et al. **J Biol Chem** 1987 May 25;262(15):7213–9

Recording the beam path of laser instruments. Forman JA. **J Biol Photogr** 1987 Jan;55(1):15–7

Comparison of glare in YAG-damaged intraocular lenses: injection-molded versus lathe-cut. Bath PE, et al. **J Cataract Refract Surg** 1986 Nov;12(6):662–4

Light-evoked and kainic-acid-induced disc shedding by rod photoreceptors: differential sensitivity to extracellular calcium. Besharse JC, et al. **J Comp Neurol** 1986 Sep 8; 251(2):185–97

Photopic spectral sensitivity of a teleost fish, the roach (Rutilus rutilus), with special reference to its ultraviolet sensitivity. Douglas RH. **J Comp Physiol [A]** 1986 Sep; 159(3):415–21

Role of short photoperiod and cold exposure in regulating daily torpor in Djungarian hamsters. Elliott JA, et al. **J Comp Physiol [A]** 1987 Aug;161(2):245–53

Effects of cold, short day and melatonin on thermogenesis, body weight and reproductive organs in Alaskan red-backed voles. Feist DD, et al. **J Comp Physiol [B]** 1986;156(5):741–6

Effect of external factors on gonadal activity and body mass of male golden hamsters (Mesocricetus auratus). Janský L, et al. **J Comp Physiol [B]** 1986;156(5):717–25

Influence of milk fat, milk solids, and light intensity on the light stability of vitamin A and riboflavin in lowfat milk. Gaylord AM, et al. **J Dairy Sci** 1986 Nov;69(11):2779–84

Effect of photoperiod on milk yield and milk fat in commercial dairy herds. Stanisiewski EP, et al. **J Dairy Sci** 1985 May;68(5):1134–40

Factors related to the light stability of vitamin A in various carriers. Zahar M, et al. **J Dairy Sci** 1987 Jan;70(1):13–9

Induction of chronic skin changes in intraperitoneally hematoporphyrin-injected mice with metal halide lamp irradiation. Honda T, et al. **J Dermatol (Tokyo)** 1986 Dec; 13(6):426–32

Changes in gonadotrophin-releasing hormone and LH in Japanese quail during the first few days of photostimulation. Creighton JA, et al. **J Endocrinol** 1987 Jun;113(3):419–22

Changes in plasma concentrations of LH, FSH and prolactin in ewes receiving melatonin and short-photoperiod treatments to induce early onset of breeding activity. Poulton AL, et al. **J Endocrinol** 1987 Jan;112(1):103–11

Photoperiodic modulation of cephalic melatonin in planarians. Morita M, et al. **J Exp Zool** 1987 Mar; 241(3):383–8

Photosensitization by antitumor agents 2: anthrapyrazole-photosensitized oxidation of ascorbic acid and 3,4-dihydroxyphenylalanine. Reszka K, et al. **J Free Radic Biol Med** 1986;2(3):203–11

Effects of light and darkness on oxygen distribution and consumption in the cat retina. Linsenmeier RA. **J Gen Physiol** 1986 Oct;88(4):521–42

Light-dependent binding of G-protein to outer segment membranes of toad photoreceptors [published erratum appears in J Gen Physiol 1987 May;89(5):following 837] Mangini NJ, et al. **J Gen Physiol** 1986 Nov;88(5):675–94

Transduction persists in rod photoreceptors after depletion of intracellular calcium. Nicol GD, et al. **J Gen Physiol** 1987 Feb;89(2):297–319

Influence of photoperiod on dense-core vesicles and synaptic ribbons of pinealocytes of the djungarian hamster (Phodopus sungorus). Fechner J. **J Neural Transm** 1986; 67(1–2):139–45

The effect of different photoperiods on the methylating capacity of the pineal gland of adult, male golden hamsters, with special reference to 5-methoxyindoles. van Benthem J, et al. **J Neural Transm** 1986;67(1–2):147–62

Tryptamine and some related molecules block the accumulation of a light-sensitive pool of cyclic AMP in the dark-adapted, dark-incubated mouse retina. Cohen AI, et al. **J Neurochem** 1987 Mar;48(3):729–37

Phosphatidylinositol phosphodiesterase (phospholipase C) activity in the pineal gland: characterization and photoneural regulation. Ho AK, et al. **J Neurochem** 1987 Apr;48(4):1033–8

Effect of ambient light on electronically displayed medical images as measured by luminance-discrimination thresholds. Rogers DC, et al. **J Opt Soc Am [A]** 1987 May; 4(5):976–83

Heterochromatic brightness matching with checkerboard patterns. Yaguchi H. **J Opt Soc Am [A]** 1987 Mar;4(3):540–4

Persistence of photic evoked responses in pineal gland after its pedunculotomy and superior cervical ganglionectomy. Barajas-López C, et al. **J Pineal Res** 1987;4(3):287–94

The effect of orally administered melatonin on the seasonality of deer pelage exchange, antler development, LH, FSH, prolactin, testosterone, T3, T4, cortisol and alkaline phosphatase. Bubenik GA, et al. **J Pineal Res** 1986; 3(4):331–49

Lower tryptophan:phenylalanine ratios in culture media increase medium: pineal melatonin ratios in early dark but not late light phase. Catalá MD, et al. **J Pineal Res** 1987; 4(3):267–75

Effects of long and short photoperiod on the ultrastructure of pinealocytes of the cotton rat (Sigmodon hispidus). Karasek M, et al. **J Pineal Res** 1986;3(4):323–30

Phase delay of the rhythm of 6-sulphatoxy melatonin excretion by artificial light. Kennaway DJ, et al. **J Pineal Res** 1987;4(3):315–20

The pattern of motor activity, light, and melatonin production in Syrian hamsters. Korenman EM, et al. **J Pineal Res** 1987;4(1):99–105

Absence of nocturnal plasma melatonin surge under long and short artificial photoperiods in the domestic sow. McConnell SJ, et al. **J Pineal Res** 1987;4(2):201–10

Pineal, retinal, serum melatonin, and N-acetylserotonin rhythms in chicks on reversing light regimen and eye covering. Nir I, et al. **J Pineal Res** 1987;4(3):305–14

Diurnal variations of plasma melatonin concentrations in pregnant or pseudopregnant mink (Mustela vison) maintained under different photoperiods. Ravault JP, et al. **J Pineal Res** 1986;3(4):365–73

Human melatonin production decreases with age. Sack RL, et al. **J Pineal Res** 1986;3(4):379–88

Effects of short photoperiod and melatonin treatment on thermogenesis in the Syrian hamster. Viswanathan M, et al. **J Pineal Res** 1986;3(4):311–21

Mechanisms of photodynamic inactivation of acridine orange-sensitized transfer RNA: participation of singlet oxygen and base damage leading to inactivation. Amagasa J. **J Radiat Res (Tokyo)** 1986 Dec;27(4):339–51

Binding of acridine orange to transfer RNA and photodynamic inactivation. Amagasa J. **J Radiat Res (Tokyo)** 1986 Dec;27(4):325–38

Gonadotrophin secretion and pituitary responsiveness to LHRH in castrated and intact male rabbits exposed to different photoperiods. Boyd IL. **J Reprod Fertil** 1987 Mar; 79(2):627–33

Induction and persistence of pituitary and ovarian activity in the out-of-season lactating dairy goat after a treatment combining a skeleton photoperiod, melatonin and the male effect. Chemineau P, et al. **J Reprod Fertil** 1986 Nov; 78(2):497–504

Effect of photoperiod on LH, FSH and prolactin patterns in ovariectomized oestradiol-treated heifers. Critser JK, et al. **J Reprod Fertil** 1987 Mar;79(2):599–608

Effect of photoperiod, injection of pentobarbitone sodium or lesion of the suprachiasmatic nucleus on pre-partum decrease of blood progesterone concentrations or time of birth in the rat. Murakami N, et al. **J Reprod Fertil** 1987 Mar;79(2):325–33

The response of rams and ewes of three breeds to artificial photoperiod. Poulton AL, et al. **J Reprod Fertil** 1987 Mar; 79(2):609–26

Photoperiodic history and a changing melatonin pattern can determine the neuroendocrine response of the ewe to daylength. Robinson JE, et al. **J Reprod Fertil** 1987 May; 80(1):159–65

Effect of nutrition, temperature and photoperiod on the rate of sexual maturation of the field vole (Microtus agrestis). Spears N, et al. **J Reprod Fertil** 1987 May;80(1):175–81

Effect of male presence and of photoperiod on the sexual maturation of the field vole (Microtus agrestis). Spears N, et al. **J Reprod Fertil** 1986 Sep;78(1):231–8

Comparison of the gonadal response of wild and laboratory field voles (Microtus agrestis) to different photoperiods. Spears N, et al. **J Reprod Fertil** 1987 Jan;79(1):75–81

Short days induce premature reproductive maturation in juvenile starlings, Sturnus vulgaris. Williams TD, et al. **J Reprod Fertil** 1987 May;80(1):327–33

Influence of short days on diurnal patterns of serum gonadotrophins and prolactin concentrations in the male Djungarian hamster, Phodopus sungorus. Yellon SM, et al. **J Reprod Fertil** 1987 May;80(1):167–74

Photoperiodic control of the onset of breeding activity and fecundity in ewes. Kennaway DJ, et al. **J Reprod Fertil [Suppl]** 1987;34:187–99 (37 ref.)

Short light cycles induce persistent reproductive activity in Ile-de-France rams. Pelletier J, et al. **J Reprod Fertil [Suppl]** 1987;34:215–26 (36 ref.)

Androgen metabolism in the male hamster—1. Metabolism of testosterone in the pituitary gland and in the brain of animals exposed to different photoperiods. Negri-Cesi P, et al. **J Steroid Biochem** 1987 Aug;28(2):179–84

Light dosimetry in animal models: application to photodynamic therapy in otolaryngology. Werkhaven J, et al. **Laryngoscope** 1986 Oct;96(10):1058–61

Electrical stimulation of the hypothalamic nucleus paraventricularis mimics the effects of light on pineal melatonin synthesis. Olcese J, et al. **Life Sci** 1987 Feb 2; 40(5):455–9

The effect of continuous light on prolactin secretion in prepubertal Holstein bulls. Stanisiewski EP, et al. **Life Sci** 1987 Aug 24;41(8):1029–35

Behavior of triatomines (Hemiptera: Reduviidae) vectors of Chagas' disease. II. Influence of feeding, lighting and time of day on the number of matings, mating speed and duration of copulation of Panstrongylus megistus (Burm, 1835) under laboratory conditions. Lima MM, et al. **Mem Inst Oswaldo Cruz** 1986 Oct-Dec;81(4):381–8

Orientation of the snail Biomphalaria straminea (Dunker, 1848) in response to light in a situation of selection. Schall VT, et al. **Mem Inst Oswaldo Cruz** 1986 Jul-Sep; 81(3):255–63

Photosensory behavior in procaryotes. Häder DP. **Microbiol Rev** 1987 Mar;51(1):1–21 (287 ref.)

Translational regulation of light-induced ribulose 1,5-bisphosphate carboxylase gene expression in amaranth. Berry JO, et al. **Mol Cell Biol** 1986 Jul;6(7):2347–53

Behavioral effects of erythrosine following light exposure. Galloway WD, et al. **Neurobehav Toxicol Teratol** 1986 Sep-Oct;8(5):493–7

Acceleration of brain tubulin formation in the optic lobe of the chick embryo by light stimulation. Zhang J, et al. **Neurochem Res** 1987 Apr;12(4):331–4

Short photoperiod depresses castration response in female LSH/SsLaK hamsters. Hauser UE, et al. **Neuroendocrinology** 1987 Jan;45(1):47–53

Elevated ambient temperature retards the atrophic response of the neuroendocrine-reproductive axis of male Syrian hamsters to either daily afternoon melatonin injections or to short photoperiod exposure. Li K, et al. **Neuroendocrinology** 1987 May;45(5):356–62

Neuroendocrine effects of light deprivation and pinealectomy in vivo on the time course of changes in prolactin cell activity in vitro. Orstead KM, et al. **Neuroendocrinology** 1987 Mar;45(3):182–90

Reduction of human sleep duration after bright light exposure in the morning. Dijk DJ, et al. **Neurosci Lett** 1987 Jan 14;73(2):181–6

Influence of chronic melatonin on 9,10-dimethyl-1,2-benzanthracene-induced mammary tumors in female Holtzman rats exposed to continuous light. Kothari LS. **Oncology** 1987;44(1):64–6

Light absorption characteristics of the lens capsule. Murata Y. **Ophthalmic Res** 1987;19(2):107–12

Automated light- and dark-adapted perimetry for evaluating retinitis pigmentosa. Jacobson SG, et al. **Ophthalmology** 1986 Dec;93(12):1604–11

Light, sleep, and development [letter] Sheldon SH, et al. **Pediatrics** 1987 Jun;79(6):1053–4

15th annual meeting of the American Society for Photobiology. Abstracts of papers. Bal Harbour, Florida, 21–25 June 1987. **Photochem Photobiol** 1987 May;45 Suppl:1S–109S

14th annual meeting of the American Society for Photobiology. Abstracts of papers. Universal City, California, 22–26 June 1986. **Photochem Photobiol** 1986 May;43 Suppl:1S–128S

Excision repair of pyrimidine dimers in marsupial cells. Applegate LA, et al. **Photochem Photobiol** 1987 Feb; 45(2):241–5

Mutagenic and recombinogenic action of DNA monoadducts photoinduced by the bifunctional furocoumarin 8-methoxypsoralen in yeast (Saccharomyces cerevisiae). Averbeck D, et al. **Photochem Photobiol** 1987 Mar; 45(3):371–9

Photoperoxidation of lens lipids: inhibition by aspirin. Beachy NA, et al. **Photochem Photobiol** 1987 May;45(5):677–8

Urocanic acid photobiology. Photochemical binding of urocanic acid to bovine serum albumin. Deibel RM, et al. **Photochem Photobiol** 1987 Mar;45(3):421–3

Wavelength dependence for the induction of bacteriophage lambda by antitumor agent gilvocarcin V. Elespuru RK, et al. **Photochem Photobiol** 1986 Nov;44(5):607–12

Tumor localization and photosensitization by sulfonated derivatives of tetraphenylporphine. Kessel D, et al. **Photochem Photobiol** 1987 Jun;45(6):787–90

Oxygen radicals mediate cell inactivation by acridine dyes, fluorescein, and lucifer yellow CH. Martin JP, et al. **Photochem Photobiol** 1987 Jul;46(1):45–53

Necrosis of murine tail skin following photodynamic treatment with meso-tetra-(p-sulphophenyl) porphine (TPPS). Moore JV. **Photochem Photobiol** 1987 Jun; 45(6):791–4

Photohemolysis of human erythrocytes labeled in band 3 with eosin-isothiocyanate. Pooler JP, et al. **Photochem Photobiol** 1986 Oct;44(4):495–9

Wavelength-dependence of the photoreactivable response of dark-repair-deficient phr mutants of Escherichia coli K-12. Smith AW, et al. **Photochem Photobiol** 1987 Jun; 45(6):855–7

Effects of feeding and light cycles on activity rhythms of maternally isolated rat pups. Anderson VN, et al. **Physiol Behav** 1987;39(2):169–81

Photoperiodic modulation of steroid-induced lordosis in golden hamsters. Badura LL, et al. **Physiol Behav** 1987; 40(4):551–4

Daily fluctuations in the detectability of dim lights by humans. Bassi CJ, et al. **Physiol Behav** 1986;38(6):871–7

The effect of photoperiod on development of sexual behavior and fertility in golden hamsters. Cherry JA. **Physiol Behav** 1987;39(4):521–6

Short day lengths decrease body mass of overweight female meadow voles. Dark J, et al. **Physiol Behav** 1986; 38(3):381–4

Photoperiodic regulation of body mass and fat reserves in the meadow vole. Dark J, et al. **Physiol Behav** 1986; 38(6):851–4

Short photoperiods increase ultrasonic vocalization rates among male Syrian hamsters. Matochik JA, et al. **Physiol Behav** 1986 Oct;38(4):453–8

Spontaneous testicular recrudescence of Syrian hamsters: role of stimulatory photoperiods. Nelson RJ, et al.

Physiol Behav 1987;39(5):615–7
Schedule-shifts, circadian rhythms and lifespan of freely-feeding and meal-fed mice. Nelson W, et al. **Physiol Behav** 1986;38(6):781–8
Natural light exposure of young adults. Savides TJ, et al. **Physiol Behav** 1986 Oct;38(4):571–4
Gonadal function during prolongation of life produced by constant light in hamsters with heart failure. Tapp WN, et al. **Physiol Behav** 1987;40(2):243–6
Photoperiod and body weight in female Syrian hamsters: skeleton photoperiods, response magnitude, and development of photorefractoriness. Wade GN, et al. **Physiol Behav** 1986;37(6):863–8
Effects of dietary crude protein, electrolyte balance, and photoperiod on growth of broiler chickens. Adekunmisi AA, et al. **Poult Sci** 1987 Feb;66(2):299–305
Lighting and sex ratio for breeding ringnecked pheasants in confined housing. Bates DP, et al. **Poult Sci** 1987 Apr; 66(4):605–12
Ahemeral light–dark cycles and egg production parameters of ring–necked pheasants (Phasianus colchicus). Blake AG, et al. **Poult Sci** 1987 Feb;66(2):258–63
Changes in ring–necked pheasants' (Phasianus colchicus) egg formation time, oviposition lag time, and egg sequence length due to ahemeral light–dark cycles. Blake AG, et al. **Poult Sci** 1987 Feb;66(2):231–6
Effect of light intensity, litter source, and litter management on the incidence of leg abnormalities and performance of male turkeys. Hester PY, et al. **Poult Sci** 1987 Apr; 66(4):666–75
Ahemeral light–dark cycles and intermittent photoperiod effects on laying hens. Koelkebeck KW, et al. **Poult Sci** 1986 Nov;65(11):2002–7
Eggshell quality as influenced by sodium bicarbonate, calcium source, and photoperiod. Makled MN, et al. **Poult Sci** 1987 Apr;66(4):705–12
Primary feather molt and serum luteinizing hormone concentration in chukar partridge (Alectoris chukar) during a photoperiodically induced molt with or without fasting. Meyer WE, et al. **Poult Sci** 1986 Aug;65(8):1615–22
Light intensity effects on performance, activity, leg disorders, and sudden death syndrome of rooster chickens. Newberry RC, et al. **Poult Sci** 1986 Dec;65(12):2232–8
Effects of light conditioning on reproduction in partridge. Woodard AE, et al. **Poult Sci** 1986 Nov;65(11):2015–22
Light paired with serotonin mimics the effect of conditioning on phototactic behavior of Hermissenda. Crow T, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7975–8
Evidence for a circaseptan and a circasemiseptan growth response to light/dark cycle shifts in nucleated and enucleated Acetabularia cells, respectively. Schweiger HG, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8619–23
Regulation of expression of genes for light–harvesting antenna proteins LH–I and LH–II; reaction center polypeptides RC–L, RC–M, and RC–H; and enzymes of bacteriochlorophyll and carotenoid biosynthesis in Rhodobacter capsulatus by light and oxygen. Zhu YS, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7613–7
Influence of photoperiod and protein diet on growth hormone secretion in rams. Barenton B, et al. **Proc Soc Exp Biol Med** 1987 Jul;185(3):312–7
Action spectra for prevention or termination of diapause in three species of Lepidoptera. Hayes DK. **Prog Clin Biol Res** 1987;227A:239–47
How photoreceptor cells respond to light. Schnapf JL, et al. **Sci Am** 1987 Apr;256(4):40–7
Photoperiodism and the hormonal control of insect diapause. Saunders DS. **Sci Prog** 1987;71(281 Pt 1):51–69
Moonlight and circadian rhythms [letter] Sinclair RM. **Science** 1987 Jan 9;235(4785):145
Ultrasound–induced light transmission change within platelet suspensions as an indirect measure of platelet morphology: preliminary correlation with stirring–induced light transmission change. Trenchard PM. **Ultrasound Med Biol** 1987 Apr;13(4):197–208
Ultrasound–induced orientation of discoid platelets and simultaneous changes in light transmission: preliminary characterisation of the phenomenon. Trenchard PM. **Ultrasound Med Biol** 1987 Apr;13(4):183–95
Visual evoked potentials to luminance and chromatic contrast in rhesus monkeys. Previc FH. **Vision Res** 1986; 26(12):1897–907
Light–induced changes in corneal iridescence in fish. Shand J, et al. **Vision Res** 1987;27(2):303–5
On neural signals that mediate brightness. Shevell SK. **Vision Res** 1986;26(8):1195–208
Increments and decrements: luminance discrimination. Whittle P. **Vision Res** 1986;26(10):1677–91
Uptake of protoporphyrin and violet light photodestruction of Propionibacterium acnes. Melø TB. **Z Naturforsch [C]** 1987 Jan–Feb;42(1–2):123–8
[Purple membranes as a model system for research on photoreception processes. III. The bacteriorhodopsin photocycle and proton transport] Stoilov S, et al. **Eksp Med Morfol** 1987;26(1):56–60 (13 ref.) (Eng. Abstr.) **(Bul)**
[Activated radical species of oxygen] Ferradini C. **Biochimie** 1986 Jun;68(6):779–85 (Eng. Abstr.) **(Fre)**
[Photo–oxygenation sensitized by dyes] Tanielian C. **Biochimie** 1986 Jun;68(6):797–806 (Eng. Abstr.) **(Fre)**
[Disjunction between the daily duration of light and the plasma level of prolactin under hyperlong days in rams] Ravault JP, et al. **C R Acad Sci [III]** 1986;303(14):629–31 (Eng. Abstr.) **(Fre)**
[Significance of light for the fertility of swine] Lahrmann KH. **DTW** 1986 Sep 8;93(8):347–50 (Eng. Abstr.) **(Ger)**
[Fundamental model assays on chemical damages to ribonucleic acids caused by oxygen radicals in aqueous solution] Lickl E, et al. **Strahlenther Onkol** 1986 Dec; 162(12):775–8 (Eng. Abstr.) **(Ger)**
[Optical properties of the human body] Sato N. **Iyodenshi To Seitai Kogaku** 1986 Aug;24(4):232–7 (14 ref.) **(Jpn)**
[Increment of the amplitude of human photopic ERG during light adaptation] Miyake Y, et al. **Nippon Ganka Gakkai Zasshi** 1986 Aug;90(8):1102–9 (Eng. Abstr.) **(Jpn)**
[The ERG C–wave during adaptation to the dark and the light in the pigmented rabbit] Nao–i N, et al. **Nippon Ganka Gakkai Zasshi** 1987 Jan;91(1):168–73 (Eng. Abstr.) **(Jpn)**
[Energizing of F1–ATPase after irradiation with visible light] Lozinova TA, et al. **Biofizika** 1987 May–Jun;32(3):520–1 (Eng. Abstr.) **(Rus)**
[Fluorescence of rhodopsins and its relation to primary processes of light energy transformation] Sineshchekov VA, et al. **Biofizika** 1987 May–Jun;32(3):540–55 (98 ref.) (Eng. Abstr.) **(Rus)**
[Mechanism of photoinactivation of yeast cells by visible light] Fralkin GIa, et al. **Dokl Akad Nauk SSSR** 1986; 291(6):1502–4 **(Rus)**
[Effect of continuous illumination and disruption of monoaminergic innervation on the hypothalamus of the female rat] Danilova OA, et al. **Fiziol Zh SSSR** 1987 Jan; 73(1):8–12 (Eng. Abstr.) **(Rus)**
[Effect of 5,6–hydroxytryptamine and various light schedules on the hypothalamo–hypophyseo–gonadal system of the female rat] Savchenko ON, et al. **Fiziol Zh SSSR** 1987 Apr; 73(4):480–2 (Eng. Abstr.) **(Rus)**
[Light–optical device for fiber light guides] Ivantsev AS, et al. **Med Tekh** 1987 Jan–Feb;(1):25–30 (Eng. Abstr.) **(Rus)**
[Molecular mechanisms of photoreception. VI. Cyclic nucleotide– and light–dependent phosphorylation of rod outer segment proteins in the frog retina] Krapivinskiĭ GB, et al. **Mol Biol (Mosk)** 1987 Jan–Feb;21(1):116–24 (Eng. Abstr.) **(Rus)**
[Mechanism of the light flashes induced in human beings by ionizing particles] Gramenitskiĭ PV, et al. **Radiobiologiia** 1987 Jan–Feb;27(1):133–4 (Eng. Abstr.) **(Rus)**
[Action of the radiation from a neon laser and from noncoherent blue light on Escherichia coli bacteria] Tiflova OA, et al. **Radiobiologiia** 1986 Nov–Dec;26(6):829–32 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Radiation of the fiberoptic illuminator of an operating microscope. Aarnisalo E. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):397–400
Incidence, risk factors, and morphology in operating microscope light retinopathy. Khwarg SG, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 1):255–63
Temperature–dependent light damage to the retina. Rinkoff J, et al. **Am J Ophthalmol** 1986 Oct 15;102(4):452–62
Disability glare increased by hydrogel lens wear. Applegate RA, et al. **Am J Optom Physiol Opt** 1987 May;64(5):309–12
Ambivalent effect of light on the eye. Miller D. **Ann Ophthalmol** 1983 Jul;15(7):599–602
Light–induced maculopathy following penetrating keratoplasty and lens implantation [letter] Cech JM, et al. **Arch Ophthalmol** 1987 Jun;105(6):751
Light–induced maculopathy. Potential for recovery. Lindquist TD, et al. **Arch Ophthalmol** 1986 Nov; 104(11):1641–7
Light–induced maculopathy [letter] Tysinger JW Jr. **Arch Ophthalmol** 1987 May;105(5):613–4
The potential damaging effects of light on the eye (Part I). Jordan DR. **Can J Ophthalmol** 1986 Oct;21(6):216–24
The potential damaging effects of light on the eye (Part II). Jordan DR. **Can J Ophthalmol** 1986 Dec;21(7):266–8
Experimental dacarbazine antitumor activity and skin toxicity in relation to light exposure and pharmacologic antidotes. Dorr RT, et al. **Cancer Treat Rep** 1987 Mar;71(3):267–72
Optical hazard evaluation of dental curing lights. Eriksen P, et al. **Community Dent Oral Epidemiol** 1987 Aug; 15(4):197–201
The prognosis of photosensitivity. Jeavons PM, et al. **Epilepsia** 1986 Sep–Oct;27(5):569–75
Development of a congenic strain of pigmented and albino rats for light damage studies. LaVail MM, et al. **Exp Eye Res** 1986 Nov;43(5):867–9
Cyclic light intensity threshold for retinal damage in albino rats raised under 6 lx. Semple–Rowland SL, et al. **Exp Eye Res** 1987 May;44(5):643–61
Photocarcinogenesis and diet. Black HS. **Fed Proc** 1987 Apr; 46(5):1901–5
A quantitative assessment of photophobia in migraine and tension headache. Drummond PD. **Headache** 1986 Oct; 26(9):465–9
Photic maculopathy by arc welding. A case report. Cellini M, et al. **Int Ophthalmol** 1987 Jun;10(3):157–9
Genetic regulation of light damage to photoreceptors. LaVail MM, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1043–8
Glare following posterior chamber intraocular lens implantation. Koch DD, et al. **J Cataract Refract Surg** 1986 Sep;12(5):480–4
Evaluation of the risk associated with the use of blue light polymerizing sources. Moseley H, et al. **J Dent** 1987 Feb; 15(1):12–5
Potential retinal hazards of visible–light photopolymerization units. Satrom KD, et al. **J Dent Res** 1987 Mar;66(3):731–6
Photodamage to the lens in vitro: implications of the Haber–Weiss reaction. Varma SD, et al. **J Free Radic Biol Med** 1986;2(1):57–62
Retinal cyclic light damage threshold for albino rats. Semple–Rowland SL, et al. **Lab Anim Sci** 1987 Jun; 37(3):289–98
Primary retinopathy in scrapie in mice deprived of light. Foster JD, et al. **Neurosci Lett** 1986 Dec 3;72(1):111–4
Degree of light damage to the retina varies with time of day of bright light exposure. White MP, et al. **Physiol Behav** 1987;39(5):607–13
Ocular phototoxicity: guidelines for selecting sunglasses. Fishman GA. **Surv Ophthalmol** 1986 Sep–Oct;31(2):119–24 (34 ref.)
Development and degeneration of retina in rds mutant mice: effects of light on the rate of degeneration in albino and pigmented homozygous and heterozygous mutant and normal mice. Sanyal S, et al. **Vision Res** 1986;26(8):1177–85
[Light–induced retinal injury] Leino M. **Duodecim** 1987; 103(4):201–7 (47 ref.) **(Fin)**
[Does light pose a hazard to the human eye?] Amalric P, et al. **Bull Acad Natl Med (Paris)** 1986 Mar; 170(3–4):399–408 (Eng. Abstr.) **(Fre)**
[Macular photoinjury caused by a welding arc on an eye with an implant] Turut P, et al. **Bull Soc Ophtalmol Fr** 1986 Jun–Jul;86(6–7):857–9 (Eng. Abstr.) **(Fre)**
[Experimental morphologic studies of the retina of the goldfish (Carassius auratus L.) after prolonged exposure to light and darkness] Micali A, et al. **Arch Ital Anat Embriol** 1986 Apr–Jun;91(2):125–46 (Eng. Abstr.) **(Ita)**
[Polymorphous light exanthema. Diagnosis, treatment and pathogenesis] McFadden N. **Tidsskr Nor Laegeforen** 1987 Mar 30;107(9):830–2 (18 ref.) (Eng. Abstr.) **(Nor)**
["Television convulsions" complicated by aspiration of gastric contents and Mendelson's syndrome] Skiba B. **Wiad Lek** 1987 Jan 15;40(2):125–8 (Eng. Abstr.) **(Pol)**
[Aggravating action of oxygen in light injury to the retina in the white rat] Kapusta NV, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):102–4 (Eng. Abstr.) **(Rus)**
[Morphologic changes in the retina experimentally induced by noradrenaline and combined exposure to noradrenaline and light of moderate intensity] Smoliakova GP, et al. **Vestn Oftalmol** 1986 Sep–Oct;102(5):43–6 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Videostroboscopic evaluation of the larynx. Bless DM, et al. **Ear Nose Throat J** 1987 Jul;66(7):289–96
Photoradiation diagnosis and therapy. Dermatologic and photobiologic aspects. Bickers DR. **Invest Radiol** 1986 Nov;21(11):885–90 (66 ref.)
[Interpretation of photobiologic tests] Béani JC. **Ann Dermatol Venereol** 1987;114(1):123–6 **(Fre)**
[Value of the light–test histological study in photodermatoses] Bonvalet D, et al. **Ann Dermatol Venereol** 1986;113(12):1205–12 (Eng. Abstr.) **(Fre)**

LIGHT COAGULATION

Oesophagogastric tumour in old age: palliative treatment by endoscopic laser photocoagulation. Elizabeth J, et al. **Age Ageing** 1987 Jul;16(4):234–8
Percutaneous transluminal coronary angioplasty restenosis: potential prevention with laser balloon angioplasty. Spears JR. **Am J Cardiol** 1987 Jul 31;60(3):61B–64B
Intraoperative argon endophotocoagulation for recurrent vitreous hemorrhage after vitrectomy for diabetic retinopathy. Liggett PE, et al. **Am J Ophthalmol** 1987 Feb 15;103(2):146–9
Grid photocoagulation for macular edema in patients with retinitis pigmentosa. Newsome DA, et al. **Am J Ophthalmol** 1987 Feb 15;103(2):161–6
Potential laser hazards to the clinician during photocoagulation. Sliney DH, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):758–60
Changes in the zinc and copper metabolism after panretinal photocoagulation in the rabbit. Silverstone BZ, et al. **Ann Ophthalmol** 1987 Mar;19(3):100–3
Photocoagulation for diabetic macular edema [letter] Aiello LM, et al. **Arch Ophthalmol** 1987 Sep;105(9):1163
Supplemental photocoagulation on the buckle for prevention of surgical revision after scleral buckling procedures. Chan CK, et al. **Arch Ophthalmol** 1987 Apr;105(4):490–6
Laser photocoagulation in the acute retinal necrosis syndrome. Han DP, et al. **Arch Ophthalmol** 1987 Aug; 105(8):1051–4
Photocoagulation of subretinal neovascularization associated with choroidal osteoma. Hoffman ME, et al. **Arch Ophthalmol** 1987 Jul;105(7):998–9
Histopathology of krypton red laser panretinal photocoagulation. A clinicopathologic correlation. Johnson RN, et al. **Arch Ophthalmol** 1987 Feb;105(2):235–8

Photocoagulation after posterior chamber lens implantation [letter] Solomon OD. **Arch Ophthalmol** 1987 May; 105(5):613

Argon laser panretinal photocoagulation for diabetic retinopathy. Scanning electron microscopy of human choroidal vascular casts. Wilson DJ, et al. **Arch Ophthalmol** 1987 Feb;105(2):239–42

Laser photocoagulation of choroidal malignant melanoma. Tse DT. **Biomed Pharmacother** 1986;40(9):323–5

The sapphire crystal infrared photocoagulator and polyglactin (Vicryl) mesh: two new alternatives to the suturing of radial nephrotomies. Grainger R, et al. **Br J Urol** 1986 Oct;58(5):484–7

The cellular electrophysiologic changes induced by ablation: comparison between argon laser photoablation and high-energy electrical ablation. Levine JH, et al. **Circulation** 1987 Jul;76(1):217–25

Nd:YAG laser treatment of a bleeding Dieulafoy's lesion. Al-Kawas FH, et al. **Gastrointest Endosc** 1987 Feb; 33(1):38–9

Rhegmatogenous retinal detachment after prophylactic argon laser photocoagulation. Bonnet M, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(1):5–8

The effect of regional retinal photocoagulation on vitreal oxygen tension. Alder VA, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1078–85

Recovery of the electroretinogram in rabbits after argon laser photocoagulation. Schechner R, et al. **Invest Ophthalmol Vis Sci** 1987 Sep;28(9):1605–13

Krypton and argon laser photocoagulation effects in subretinal hemorrhage. Chino K, et al. **Jpn J Ophthalmol** 1986;30(3):282–7

Dot or pointillistic method for improvement in results of hypertrophic scarring in the argon laser treatment of portwine hemangiomas. Apfelberg DB, et al. **Lasers Surg Med** 1987;6(6):552–8

The influence of mechanical forces and flow mechanisms on vessel occlusion. Fankhauser F, et al. **Lasers Surg Med** 1987;6(6):530–2

Modeling optical and thermal distributions in tissue during laser irradiation. Jacques SL, et al. **Lasers Surg Med** 1987; 6(6):494–503

Endoscopic coagulation for gastrointestinal bleeding [editorial] Fromm D. **N Engl J Med** 1987 Jun 25; 316(26):1652–4

Laser photocoagulation for the treatment of acute peptic-ulcer bleeding. A randomized controlled clinical trial. Krejs GJ, et al. **N Engl J Med** 1987 Jun 25; 316(26):1618–21

Treatment of iris melanoma by photocoagulation: a case report. Cleasby GW, et al. **Ophthalmic Surg** 1987 Jan; 18(1):42–4

Contact laser for transscleral photocoagulation. Federman JL, et al. **Ophthalmic Surg** 1987 Mar;18(3):183–4

Long-term follow-up of photocoagulated choroidal neovascular membranes in age-related macular degeneration. Jalkh AE, et al. **Ophthalmic Surg** 1987 Jun; 18(6):419–22

Review of choroidal osteoma: successful krypton red laser photocoagulation of an associated subretinal neovascular membrane involving the fovea. Morrison DL, et al. **Ophthalmic Surg** 1987 Apr;18(4):299–303

Tumor regression after photocoagulation of malignant melanomas of the choroid: an ultrasonographic study. Shukla M, et al. **Ophthalmologica** 1987;194(2–3):119–25

Argon laser photocoagulation for macular edema in branch vein occlusion. Finkelstein D. **Ophthalmology** 1986 Jul; 93(7):975–7

Wavelength selection in macular photocoagulation. Tissue optics, thermal effects, and laser systems. Mainster MA. **Ophthalmology** 1986 Jul;93(7):952–8

Corneal argon laser photocoagulation for neovascularization in penetrating keratoplasty. Nirankari VS, et al. **Ophthalmology** 1986 Oct;93(10):1304–9

Modified grid argon (blue-green) laser photocoagulation for diffuse diabetic macular edema. Olk RJ. **Ophthalmology** 1986 Jul;93(7):938–50

Cellular processes causing defects in Bruch's membrane following krypton laser photocoagulation. Pollack A, et al. **Ophthalmology** 1986 Aug;93(8):1113–9

Argon laser photocoagulation treatment in central serous chorioretinopathy. Robertson DM. **Ophthalmology** 1986 Jul;93(7):972–4

Histology of macular photocoagulation. Swartz M. **Ophthalmology** 1986 Jul;93(7):959–63

A clinicopathologic study of dye laser photocoagulation on primate retina. Borges JM, et al. **Retina** 1987 Spring; 7(1):46–57

Longterm results of treatment of central serous retinopathy—a preliminary report. Ficker L, et al. **Trans Ophthalmol Soc UK** 1986;105 (Pt 4):473–5

The treatment of diabetic maculopathy by argon laser photocoagulation. Grey RH. **Trans Ophthalmol Soc UK** 1986;105 (Pt 4):424–9

Intraocular cyclophotocoagulation. Shields MB. **Trans Ophthalmol Soc UK** 1986;105 (Pt 2):237–41

Laser photocoagulation for retinal vein obstruction. Morrison DL, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986; 38(2):488–94

Endoscopic laser therapy for GI diseases. Schubert ML, et al. **Va Med** 1986 Dec;113(12):738–41

[Treatment of central serous chorioretinopathy using green light from an argon laser] Karhan J, et al. **Cesk Oftalmol** 1987 Jan;43(1):12–6 (Eng. Abstr.) (Cze)

[Endocoagulation in vitreous and retinal surgery] Smečka Z, et al. **Cesk Oftalmol** 1986 Nov;42(6):401–6 (Eng. Abstr.) (Cze)

[Chronic serous central retinopathy] Deutman AF, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:253–4 (Fre)

[The future of the unaffected eye of 50 patients with non-traumatic retinal inversion] Loyer JP, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:351–4 (Fre)

[Results of panretinal photocoagulation in preproliferative and proliferative ischemic diabetic retinopathy: apropos of 235 eyes followed for 6 months to 8 years] Annonier MP, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1363–6 (Fre)

[Photocoagulation and vitrectomy in neovascular proliferative retinopathy] Bonnet M, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1399–406 (Fre)

[Panretinal photocoagulation and proliferative diabetic retinopathy. Results of a long-term prospective study (2d report)] Chaine G, et al. **Bull Soc Ophtalmol Fr** 1986 Nov; 86(11):1369–72 (Fre)

[Anatomic limitations of photocoagulation in ischemic diabetic retinopathy] Constantinides G, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1283–5 (Eng. Abstr.) (Fre)

[Photocoagulation with krypton laser of subretinal vessels in macular degeneration related to age. Long-term results (apropos of 100 cases)] Coscas G, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):257–8, 261–2 (Fre)

[Treatment of peripheral retinoschisis in sex-linked juvenile retinoschisis] François P, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1331–2, 1334 (Eng. Abstr.) (Fre)

[Initial results of the treatment of macular subretinal neovessels with krypton laser] Gonzales C, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):251–2, 255–6 (Fre)

[Indications for treatment in congenital retinoschisis] Haut J, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1177 (Fre)

[Indications for argon laser treatment of diabetic ischemic retinopathy] Haut J, et al. **Bull Soc Ophtalmol Fr** 1986 Nov; 86(11):1375–6 (Fre)

[Subretinal neovessels in myopia. Limitations in the indications for the treatment by photocoagulation] Haut J, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):279–80 (Fre)

[Photocoagulation of cavernous hemangioma of the retina] Malbrel C, et al. **Bull Soc Ophtalmol Fr** 1986 Nov; 86(11):1351–2 (Fre)

[Limitations of iris photocoagulation with argon laser in various indications] Malthieu D, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1287–8, 1293–4 (Fre)

[Evaluation of photocoagulation of the posterior pole with argon laser in edematous diabetic retinopathy] Segal A, et al. **Bull Soc Ophtalmol Fr** 1986 Aug-Sep;86(8–9):1007–13 (Fre)

[Results of 5 years' photocoagulation of ischemic diabetic retinopathy] Segal A, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1393–8 (Eng. Abstr.) (Fre)

[Randomized study of the photocoagulation with blue-green argon laser in subretinal neovascularization of senile macular degeneration. 5-year follow-up] Soubrane G, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):249–50 (Fre)

[Subretinal neovessels of senile macular degeneration: treatment of recurrence and limitations of photocoagulation] Soubrane G, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):263–4, 267–9 (Fre)

[Subretinal neovessels in degenerative myopia: results of photocoagulation] Soubrane G, et al. **Bull Soc Ophtalmol Fr** 1986 Mar;86(3):269–72 (Fre)

[Failure of laser photocoagulation in ischemic retinopathy associated with carotid occlusion] Turut P, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1297–9 (Fre)

[Limitations of argon laser photocoagulation in the preventive treatment of retinal detachment] Vallat M, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1307–11 (Fre)

[Indications for photocoagulation in the treatment of acquired retinoschisis] Van Coppenolle F, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1167–9 (Fre)

[Study of the visual field using automated static perimetry following panretinal photocoagulation in the diabetic] Zaluski S, et al. **J Fr Ophtalmol** 1986;9(5):395–401 (Eng. Abstr.) (Fre)

[Hemostasis in laparoscopy using infrared light] Baas EU, et al. **Schweiz Rundsch Med Prax** 1986 Nov 11; 75(46):1395–6 (Eng. Abstr.) (Ger)

[Possibilities and limitations of photocoagulation treatment in diabetic retinopathy] Koerner F. **Ther Umsch** 1987 Apr; 44(4):273–82 (39 ref.) (Eng. Abstr.) (Ger)

[Indications and contraindications for laser photocoagulation in diabetic retinopathy—update] Marcus M, et al. **Harefuah** 1987 Feb 15;112(4):182–3 (Heb)

[The effects of prostaglandin E2 and substance P on photocoagulation of the rabbit iris] Katayama T, et al. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1611–6 (Eng. Abstr.) (Jpn)

[Effects of argon and krypton laser photocoagulation on chorioretinal lesions with subretinal hemorrhage] Ohki R, et al. **Nippon Ganka Gakkai Zasshi** 1987 Feb;91(2):213–9 (Eng. Abstr.) (Jpn)

[Fibronectin in cultured chick retinal pigment epithelial cells. 3. The production of fibronectin after laser burn] Yamakawa R, et al. **Nippon Ganka Gakkai Zasshi** 1987 Apr; 91(4):409–14 (Eng. Abstr.) (Jpn)

[Laser photocoagulation of noninvasive cancer of the bronchus] Gerasin VA, et al. **Grudn Khir** 1986 Nov–Dec; (6):84–5 (Rus)

[Vascular anastomosis using laser coagulation] Skobelkin OK, et al. **Khirurgiia (Mosk)** 1987 Mar;(3):71–4 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Grand mal seizure during argon laser panretinal photocoagulation. Duffey RJ. **Am J Ophthalmol** 1987 Jan 15;103(1):116–7

Branch retinal artery occlusion after dye yellow photocoagulation of an arterial macroaneurysm. Russell SR, et al. **Am J Ophthalmol** 1987 Aug 15;104(2):186–7

Recurrent subretinal neovascularization [letter] Sorenson JA, et al. **Arch Ophthalmol** 1987 Jan;105(1):22

Complications of retinal xenon-arc photocoagulation. Wiegand W. **Dev Ophthalmol** 1987;13:107–12

Iatrogenic choroidal neovascularization in sickle cell retinopathy. Carney MD, et al. **Ophthalmology** 1986 Sep; 93(9):1163–8

Internal limiting membrane wrinkling after argon and krypton laser photocoagulation of choroidal neovascularization. Han DP, et al. **Retina** 1986 Winter; 6(4):215–9

[Subretinal neovessels of the posterior pole after pan-photocoagulation for diabetic retinopathy] Bacin F, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1385–6, 1388 (Eng. Abstr.) (Fre)

[Complications of posterior detachment of the vitreous with collapse. False complications of lasers] Haut J, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1347–8 (Fre)

[Tears in the pigmentary epithelium following photocoagulation] Langois M, et al. **Bull Soc Ophtalmol Fr** 1986 Jun-Jul;86(6–7):893–5 (Eng. Abstr.) (Fre)

[Panretinal photocoagulation in ischemic diabetic retinopathy and the fate of visual function] Malbrel C, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1377–8, 1383 (Fre)

[Results of the treatment of cystic epithelial invasion of the anterior chamber by argon laser photocoagulation] Malthieu D, et al. **Bull Soc Ophtalmol Fr** 1986 Nov; 86(11):1295–6 (Fre)

[Danger and inefficiency of treatment by laser photocoagulation in congenital retinoschisis] Vallat M, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1173–6 (Eng. Abstr.) (Fre)

[Iatrogenic neovascularization. Value of a treatment by laser photocoagulation on foci of toxoplasmic choroiditis?] Vallat M, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):303–5 (Fre)

[Condition of the corneal epithelium of diabetes mellitus patients after argon-laser coagulation of the retina] Beliaeva MI, et al. **Vestn Oftalmol** 1986 Jul-Aug; 102(4):43–5 (Eng. Abstr.) (Rus)

EDUCATION

Photographic slides for teaching laser photocoagulation. Whitacre MM, et al. **Am J Ophthalmol** 1987 Apr 15; 103(4):590–1

The use of a model eye to gain endophotocoagulation skills [letter] Weidenthal DT. **Arch Ophthalmol** 1987 Aug; 105(8):1020

INSTRUMENTATION

Argon photocoagulation through the operating microscope. Teske MP, et al. **Am J Ophthalmol** 1986 Nov 15; 102(5):666–7

Semiconductor laser endophotocoagulation of the retina. Puliafito CA, et al. **Arch Ophthalmol** 1987 Mar;105(3):424–7

Intraocular argon laser photocoagulation. Acheson RW, et al. **Eye** 1987;1 (Pt 1):97–105

Comparison of the infrared coagulator and the carbon dioxide laser in the removal of decorative tattoos. Groot DW, et al. **J Am Acad Dermatol** 1986 Sep;15(3):518–22

A step-zoom probe for laser endophotocoagulation: I. Design. Pankratov MM, et al. **Ophthalmic Surg** 1987 Jan; 18(1):61–5

A bent-tipped endolaser probe. Peyman GA. **Ophthalmic Surg** 1987 Mar;18(3):185–6

Clinical experience with a binocular indirect ophthalmoscope laser delivery system. Friberg TR. **Retina** 1987 Spring; 7(1):28–31

Red krypton and blue-green argon panretinal laser photocoagulation for proliferative diabetic retinopathy: a laboratory and clinical comparison. Blankenship GW. **Trans Am Ophthalmol Soc** 1986;84:967–1003

[Use of the probe for intraocular photocoagulation] Calvet JM, et al. **Bull Soc Ophtalmol Fr** 1986 Dec;86(12):1559–60 (Fre)

[A laser endocoagulation unit] Zaletskiĭ AA, et al. **Med Tekh** 1986 Jul-Aug;(4):57–8 (Rus)

[A laser coagulator in otorhinolaryngology] Pluzhnikov MS,

et al. **Vestn Otorinolaringol** 1986 Nov-Dec;(6):68-72 (Eng. Abstr.) **(Rus)**

METHODS

Grid photocoagulation for macular edema in patients with retinitis pigmentosa [letter] Heckenlively JR. **Am J Ophthalmol** 1987 Jul 15;104(1):94-5

Avoiding gas-fluid exchange in postvitrectomy photocoagulation. Roseman RL. **Am J Ophthalmol** 1987 Jul 15;104(1):86

Noncontact retinal photocoagulation at the slit-lamp biomicroscope. Whitacre MM. **Am J Ophthalmol** 1987 Sep 15;104(3):290-3

Argon endophotocoagulation with indirect ophthalmoscopy. Hampton GR. **Arch Ophthalmol** 1987 Jan;105(1):132

Xenon-arc endophotocoagulation during vitrectomy for diabetic vitreous haemorrhage. Ficker LA, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(5):423-7

Percutaneous thermocoagulation of trigeminal ganglion. Sonoda H, et al. **Neurol Med Chir (Tokyo)** 1987 Jan; 27(1):18-23

Argon laser treatment of periocular lesions: an experimental study. Summers CG, et al. **Ophthalmic Surg** 1987 Feb; 18(2):100-2

Peripheral circumferential retinal scatter photocoagulation for the treatment of proliferative sickle retinopathy. An update. Kimmel AS, et al. **Ophthalmology** 1986 Nov; 93(11):1429-34

The treatment of proliferative sickle retinopathy using 360 degree scatter photocoagulation. Kimmel AS, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(2):515-7

[Are equatorial circular barrages using argon laser photocoagulation useful? Could they be dangerous?] Bonn G, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1335-7 **(Fre)**

[Principles of treatment of edematous diabetic retinopathy] Haut J, et al. **Bull Soc Ophtalmol Fr** 1986 Aug-Sep; 86(8-9):1015-6 **(Fre)**

[Frequency of vitrectomies carried out on diabetic retinopathies despite of prior photocoagulation. Consequences on the technic of photocoagulation] Haut J, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1389-90, 1392 **(Fre)**

[A familial case of lattice degeneration. Comments on the argon laser barrage technic] Limon S, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1353-5 **(Fre)**

[Systematic argon laser cerclage on the opposite eye after idiopathic retinal detachment?] Malthieu D, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1339-41 **(Fre)**

[Treatment of cystoid edema of the macula with krypton laser in retinal vein occlusions] Malthieu D, et al. **Bull Soc Ophtalmol Fr** 1986 Jun-Jul;86(6-7):889-91 (Eng. Abstr.) **(Fre)**

[Trial treatment of degenerative lesions of the retinal periphery using argon laser squaring] Risse JF, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1343-5 (Eng. Abstr.) **(Fre)**

[Gonioplasty: indications and technic] Sellem E. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):85-6, 89-90 **(Fre)**

[Serous detachment of the neuroepithelium: one of the limitations of photocoagulation] Van Effenterre G, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1301-5 **(Fre)**

[A comparative study of the effects of photocoagulation with krypton lasers in the parfocal or defocal systems] Katoh N, et al. **Nippon Ganka Gakkai Zasshi** 1986 Dec; 90(12):1436-47 (Eng. Abstr.) **(Jpn)**

[Clinical application of the thermal effect of lasers. 3. Photocoagulation in the field of ophthalmologic diseases and its progress and problems] Noyori K. **Nippon Rinsho** 1987 Apr;45(4):897-900 (6 ref.) **(Jpn)**

[Laser coagulation of the mandible in removing adjacent malignant neoplasms] Sidorov SD. **Stomatologiia (Mosk)** 1987 Mar-Apr;66(2):41-2 (Eng. Abstr.) **(Rus)**

STANDARDS

Ocular histoplasmosis syndrome. Burgess DB. **Ophthalmology** 1986 Jul;93(7):967-8

LIGHT, LUMINESCENT see **LUMINESCENCE**

LIGHT, VISIBLE see **LIGHT**

LIGHTING

Effects of yellow filter glasses on colour discrimination of normal observers and on the illumination level. Aarnisalo E. **Acta Ophthalmol (Copenh)** 1987 Jun;65(3):274-8

Light treatment of seasonal affective disorder in Switzerland. Wirz-Justice A, et al. **Acta Psychiatr Scand** 1986 Aug. 74(2):193-204

A new light device for the illumination of the Hertel-type exophthalmometer. Handler LF, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):838-9

Effect of reading in low illumination on fixation disparity. Pickwell LD, et al. **Am J Optom Physiol Opt** 1987 Jul; 64(7):513-8

Diet, lighting, and food intake affect norepinephrine turnover in dietary obesity. Yoshida T, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R402-8

Seasonal affective disorder: a review of the syndrome and its public health implications. Jacobsen FM, et al. **Am J Public Health** 1987 Jan;77(1):57-60

Unrecognized ultraviolet-induced keratoconjunctivitis [letter] Betts LS, et al. **Ann Emerg Med** 1986 Nov; 15(11):1378

Effect of night and day on preterm infants in a newborn nursery: randomised trial. Mann NP, et al. **Br Med J [Clin Res]** 1986 Nov 15;293(6557):1265-7

Relationship of high intensity step-up lighting to bone ash and growth plate closure of the tarso-metatarsus in turkeys. Klingensmith PM, et al. **Br Poult Sci** 1986 Sep;27(3):487-92

A cholinergic antagonist, mecamylamine, blocks the phase-shifting effects of light on the circadian rhythm of locomotor activity in the golden hamster. Keefe DL, et al. **Brain Res** 1987 Feb 17;403(2):308-12

Melatonin and rhythmic photoreceptor metabolism: melatonin-induced cone elongation is blocked at high light intensity. Pierce ME, et al. **Brain Res** 1987 Mar 10; 405(2):400-4

Daytime vehicle lights [letter] Frizzell JB. **Can Med Assoc J** 1986 Dec 1;135(11):1248

Activity, cardiac and respiratory responses of blindfold preterm infants in a neonatal intensive care unit. Shiroiwa Y, et al. **Early Hum Dev** 1986 Dec;14(3-4):259-65

Physiological effects of intermittently illuminated textual displays. Nishiyama K, et al. **Ergonomics** 1986 Oct; 29(10):1143-54

The effect of long-term irradiation with fluorescent light on the rat fundus. Koch F, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(3):226-34

A comparison between illumination and position pictorial depth cues. Murphy K, et al. **J Biocommun** 1987 Spring; 14(2):19-26

The combined effects of unilateral enucleation and rearing in a "dim" red light on synapse-to-neuron ratios in the rat superior colliculus. Mackay D, et al. **J Comp Neurol** 1987 Feb 15;256(3):444-53

Effects of lighting conditions and of hormone replacement on the level of porphyrins in the rat Harderian gland. Shirama K, et al. **J Endocrinol Invest** 1987 Feb;10(1):79-82

Ambient illumination and the determination of material changes. Gershon R, et al. **J Opt Soc Am [A]** 1986 Oct; 3(10):1700-7

The effect of optical blur on visual acuity for targets of different luminances. Simpson TL, et al. **Ophthalmic Physiol Opt** 1986;6(3):279-81

Acrodynia: exposure to mercury from fluorescent light bulbs. Tunnessen WW Jr, et al. **Pediatrics** 1987 May;79(5):786-9

Aversion to daytime illumination in patients with congenital achromatopsia. Young RS, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 1):923-6

Illusory continuous motion from oscillating positive-negative patterns: implications for motion perception. Anstis SM, et al. **Perception** 1986;15(5):627-40

Snowhole blues: comments on Kinney and Corth. Trościanko T. **Perception** 1986;15(2):219-21

Effects of detention and illumination on rats' exploratory behavior in a two-box apparatus. Ambrogi Lorenzini C, et al. **Physiol Behav** 1987;39(1):103-9

Effect of light intensity during the breeder period on semen production of low weight and normal weight breeder turkeys. Cecil HC. **Poult Sci** 1986 Oct;65(10):1900-4

Effects of light source, ambient temperature, and dietary energy source on the general performance and incidence of leg abnormalities of roaster chickens. Hulan HW, et al. **Poult Sci** 1987 Apr;66(4):645-51

Lighting of end of lay broiler breeders: fluorescent versus incandescent. Ingram DR, et al. **Poult Sci** 1987 Feb; 66(2):215-7

Effect of intermittent lighting on performance and energy metabolism of broilers. Ketelaars EH, et al. **Poult Sci** 1986 Dec;65(12):2208-13

Intermittent light and growth performance of male turkeys from 2 to 22 weeks of age. Siopes TD, et al. **Poult Sci** 1986 Dec;65(12):2221-5

Use of illuminated ureteral catheters for the repair of obstructed ureters in transplanted kidneys. Sollinger HW, et al. **Surg Gynecol Obstet** 1986 Oct;163(4):367-8

[Effect of the lighting regimen during the raising of breeding and market laying hens] Kovachishki Kh, et al. **Vet Med Nauki** 1987;24(2):77-85 (Eng. Abstr.) **(Bul)**

[Effect of antihypertensive pharmacotherapy on reaction time in patients with hypertension under the conditions of monotony] Logoveeva TN, et al. **Gig Tr Prof Zabol** 1986 Dec;(12):23-6 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Delayed, incomplete recovery of macular function after photic retinal damage associated with extracapsular cataract extraction and posterior lens insertion. Case report. Hupp SL. **Arch Ophthalmol** 1987 Aug;105(8):1022-3

Low-ultraviolet "white" fluorescent lamps fail to protect pyridoxal phosphate from photolysis [letter] Schaltenbrand WE, et al. **Clin Chem** 1987 Apr;33(4):631-2

[Unusual photodermatitis. Presentation of 2 cases] Goitre M, et al. **G Ital Dermatol Venereol** 1987 May;122(5):261-3 (Eng. Abstr.) **(Ita)**

METHODS

[Effect of different lighting regimens in the commercial raising of breeders] Kovachishki Kh, et al. **Vet Med Nauki** 1987;24(4):71-8 (Eng. Abstr.) **(Bul)**

STANDARDS

Adequate illumination for otoscopy. Variations due to power source, bulb, and head and speculum design. Barriga F, et al. **Am J Dis Child** 1986 Dec;140(12):1237-40

Intraoral dental lights: test and evaluation. Young JM, et al. **J Prosthet Dent** 1987 Jan;57(1):99-107

[Assessment of the lighting of a dental treatment room] Triemer B. **Z Gesamte Hyg** 1987 Jun;33(6):303-6 (Eng. Abstr.) **(Ger)**

[Hygienic regulation of natural lighting] Nazarova EN. **Gig Tr Prof Zabol** 1987 Jul;(7):36-9 (Eng. Abstr.) **(Rus)**

LIGHTNING

Setting up: equipment, lighting and accessories. Wander P, et al. **Br Dent J** 1987 Apr 11;162(7):268-80

Lightning injury caused by discharges accompanying flashovers--a clinical and experimental study of death and survival. Ohashi M, et al. **Burns Incl Therm Inj** 1986 Oct; 12(7):496-501

Superficial lightning injuries--their "fractal" shape and origin. ten Duis HJ, et al. **Burns Incl Therm Inj** 1987 Apr; 13(2):141-6

Lightning causing inner ear damage and intracranial haematoma. Poulsen P, et al. **J Laryngol Otol** 1986 Sep; 100(9):1067-70

Secondary brain hemorrhages associated with lightning stroke: report of a case. Wakasugi C, et al. **Nippon Hoigaku Zasshi** 1986 Feb;40(1):42-6

Electrical and lightning injuries in children. Robinson M, et al. **Pediatr Emerg Care** 1986 Sep;2(3):186-90

[Lightning stroke] Dupasquier G, et al. **Ann Fr Anesth Reanim** 1986;5(6):601-4 (Eng. Abstr.) **(Fre)**

[Ocular complication caused by fulguration. Discussion apropos of 2 simultaneous cases] Villard C, et al. **Bull Soc Ophtalmol Fr** 1985 Oct;85(10):1027-8, 1031-4 (Eng. Abstr.) **(Fre)**

[Optic nerve neuropathy following a lightning accident--electrophysiologic and computerized tomography findings] Alexandridis A, et al. **Klin Monatsbl Augenheilkd** 1987 Jan;190(1):56-8 (Eng. Abstr.) **(Ger)**

[Specific features of ball lightning lesions] Dmitriev MT, et al. **Ortop Travmatol Protez** 1986 Nov;(11):66-7 **(Rus)**

LIGNAC-FANCONI SYNDROME see **FANCONI SYNDROME**

LIGNIN

Alkaline hydrogen peroxide unlocks energy in high-fiber lignified by-products. **Nutr Rev** 1986 Jul;44(7):251-2 (5 ref.)

[The combination of ethylene oxide with lignins] Chaigneau M. **Ann Pharm Fr** 1986;44(4):317-8 **(Fre)**

ANALOGS & DERIVATIVES

Transformations of arylpropane lignin model compounds by a lignin peroxidase of the white-rot fungus Phanerochaete chrysosporium. Huynh VB, et al. **Arch Biochem Biophys** 1986 Oct;250(1):186-96

ANALYSIS

A method of retaining phloroglucinol proof of lignin. Speer EO. **Stain Technol** 1987 Jul;62(4):279-80

BIOSYNTHESIS

Enzymatic synthesis of lignin: purification to homogeneity of the three O-methyltransferases of tobacco and production of specific antibodies. Hermann C, et al. **Arch Biochem Biophys** 1987 Mar;253(2):367-76

[Effect of the inoculation of the comestible fungus Pleurotus ostreatus on the chemical composition and digestibility of barley straw] Ortega Cerrilla ME, et al. **Arch Latinoam Nutr** 1986 Jun;36(2):345-50 (Eng. Abstr.) **(Spa)**

METABOLISM

Biomimetic oxidation of lignin model compounds by simple inorganic complexes. Huynh VB. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1104-10

Ligninase of Phanerochaete chrysosporium. Mechanism of its degradation of the non-phenolic arylglycerol beta-aryl ether substructure of lignin. Kirk TK, et al. **Biochem J** 1986 May 15;236(1):279-87

The problem of lignin biodegradation. Wallace L, et al. **Biochem Soc Symp** 1983;48:87-95 (31 ref.)

PHARMACODYNAMICS

Rumen turnover and digestion of normal and brown midrib sorghum x sudangrass hybrid silages in diary cattle. Wedig CL, et al. **J Dairy Sci** 1987 Jun;70(6):1220-7

THERAPEUTIC USE

[Comparative evaluation of the effectiveness of the enterosorbents polifepan and vaulen in treating acute experimental pancreatitis] Shugaev AI, et al. **Patol Fiziol Eksp Ter** 1987 Mar-Apr;(2):52-4 (Eng. Abstr.) **(Rus)**

LIGNOCAINE see LIDOCAINE

LIMBIC SYSTEM

Piracetam potentiates the antiepileptic action of carbamazepine in chronic experimental limbic epilepsy. Hawkins CA, et al. **Acta Neurol Scand [Suppl]** 1986; 109:117–21

Acute trimethyltin limbic–cerebellar syndrome. Besser R, et al. **Neurology** 1987 Jun;37(6):945–50

Limbic lymphoma. Arasaki K, et al. **Neuroradiology** 1987; 29(4):389–92

Ganglioside treatments reduce locomotor hyperactivity after bilateral lesions of the entorhinal cortex. Ramirez JJ, et al. **Neurosci Lett** 1987 Apr 10;75(3):283–7

ANALYSIS

The measurement of neuropeptide Y in discrete hypothalamic and limbic regions of male rhesus macaques with a human NPY–directed antiserum. Khorram O, et al. **Peptides** 1987 Jan–Feb;8(1):159–63

ANATOMY & HISTOLOGY

Fiber pathways of basal forebrain cholinergic neurons in monkeys. Kitt CA, et al. **Brain Res** 1987 Mar 17; 406(1–2):192–206

Cortical projection patterns of magnocellular basal nucleus subdivisions as revealed by anterogradely transported Phaseolus vulgaris leucoagglutinin. Luiten PG, et al. **Brain Res** 1987 Jun 16;413(2):229–50

Detailed projection patterns of septal and diagonal band efferents to the hippocampus in the rat with emphasis on innervation of CA1 and dentate gyrus. Nyakas C, et al. **Brain Res Bull** 1987 Apr;18(4):533–45

Pattern in the laminar origin of corticocortical connections. Barbas H. **J Comp Neurol** 1986 Oct 15;252(3):415–22

Projections of the lateral hypothalamus and bed nucleus of the stria terminalis to the dorsal vagal complex in the pigeon. Berk ML. **J Comp Neurol** 1987 Jun 1;260(1):140–56

Cortical connections of the somatosensory fields of the lateral sulcus of macaques: evidence for a corticolimbic pathway for touch. Friedman DP, et al. **J Comp Neurol** 1986 Oct 15;252(3):323–47

Connections of the parahippocampal cortex in the cat. V. Intrinsic connections; comments on input/output connections with the hippocampus. Witter MP, et al. **J Comp Neurol** 1986 Oct 1;252(1):78–94

Connections of the parahippocampal cortex in the cat. III. Cortical and thalamic efferents. Witter MP, et al. **J Comp Neurol** 1986 Oct 1;252(1):1–31

Connections of the parahippocampal cortex in the cat. IV. Subcortical efferents. Witter MP, et al. **J Comp Neurol** 1986 Oct 1;252(1):51–77

Limbic and brainstem afferents to thalamic mediodorsal nucleus: a horseradish peroxidase study. Gritti I, et al. **Neurosci Lett** 1987 May 19;76(3):345–50

Somatostatin 28 and neuropeptide Y innervation in the septal area and related cortical and subcortical structures of the human brain. Distribution, relationships and evidence for differential coexistence. Gaspar P, et al. **Neuroscience** 1987 Jul;22(1):49–73

[Place of the thalamus in the network of interconnections between the association and limbic cortices in the monkey] Mauguière F, et al. **Rev Neurol (Paris)** 1986;142(4):406–17 (122 ref.) (Eng. Abstr.) **(Fre)**

[Study of the connections of supposed diencephalic connections of the limbic system of the lizard using the technic of axonal transport of horseradish peroxidase] Belekhova MG, et al. **Neirofiziologiia** 1987;19(1):110–20 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Cells with varicose dendrites: a characteristic type of neurons in Golgi preparations of the rat cholinergic basal forebrain nuclei. Brauer K, et al. **J Hirnforsch** 1987;28(2):117–23

DRUG EFFECTS

Do psychostimulants kindle panic disorder? [letter] Abraham HD. **Am J Psychiatry** 1986 Dec;143(12):1627–8

S(+)methylenedioxy–N–n–propylnoraporphine: an orally active inhibitor of dopamine selective for rat limbic system. Campbell A, et al. **Brain Res** 1987 Feb 17;403(2):393–7

Partial protection by desmethylimipramine of the mesocortical dopamine neurones from the neurotoxic effect of 6–hydroxydopamine injected in ventral mesencephalic tegmentum. The role of noradrenergic innervation. Herve D, et al. **Brain Res** 1986 Sep 24;383(1–2):47–53

Hydrocortisone administration alters glial reaction to entorhinal lesion in the rat dentate gyrus. Vijayan VK, et al. **Exp Neurol** 1987 May;96(2):307–20

Differential action of bromocriptine on nigrostriatal versus mesolimbic dopaminergic neurons. Barton AC, et al. **J Neural Transm** 1987;68(1–2):25–39

Increases in dopamine utilization in certain limbic dopamine terminal populations after a short period of intermittent exposure of male rats to cigarette smoke. Fuxe K, et al. **J Neural Transm** 1986;67(1–2):15–29

Efficacy of baclofen and phenobarbital against the kainic acid limbic seizure–brain damage syndrome. Ault B, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):612–7

Presynaptic effects of glucocorticoids on dopaminergic and cholinergic synaptosomes. Implications for rapid endocrine–neural interactions in stress. Gilad GM, et al. **Life Sci** 1987 Jun 22;40(25):2401–8

MPP+ can disrupt the nigrostriatal dopamine system by acting in the terminal area. Bradbury AJ, et al. **Neuropharmacology** 1986 Aug;25(8):939–41

The effect of 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP) on striatal and limbic catecholamine neurones in white and black mice. Antagonism by monoamine oxidase inhibitors. Bradbury AJ, et al. **Neuropharmacology** 1986 Aug;25(8):897–904

Dopamine turnover and glutamate decarboxylase activity in the rat brain after acute and chronic treatment with raclopride, a dopamine D2–selective antagonist. Fowler CJ, et al. **Neuropharmacology** 1987 Apr;26(4):339–45

Focal injection of 2–amino–7–phosphonoheptanoic acid into prepiriform cortex protects against pilocarpine–induced limbic seizures in rats. Millan MH, et al. **Neurosci Lett** 1986 Sep 25;70(1):69–74

Differential effects of proglumide on mesolimbic and nigrostriatal dopamine function. Csernansky JG, et al. **Psychopharmacology (Berlin)** 1987;91(4):440–4

The effects of some polyamines on putative behavioural indices of mesolimbic versus striatal dopaminergic function. Hirsch SR, et al. **Psychopharmacology (Berlin)** 1987; 93(1):101–4

[Responses of neurons of the frontal area of the cortex of the rabbit to electric stimulation of certain limbic–mesencephalic structures after administration of substance P] Kravtsov AN, et al. **Zh Vyssh Nerv Deiat** 1986 Jul–Aug;36(4):730–5 (Eng. Abstr.) **(Rus)**

[Effects of injecting 6–hydroxydopamine into areas of the nigro–striatal (A9) and mesolimbic (A10) dopaminergic systems on the elaboration of a conditioned feeding reflex in the rat] Zhukova EM, et al. **Zh Vyssh Nerv Deiat** 1987 Jan–Feb;37(1):88–94 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Stereological analysis of synaptogenesis in the molecular layer of piriform cortex in the prenatal rat. Newman–Gage H, et al. **J Comp Neurol** 1987 Jul 8;261(2):295–305

ENZYMOLOGY

Adenosine deaminase–containing neurons in the olfactory system of the rat during development. Senba E, et al. **Brain Res Bull** 1987 May;18(5):635–48

Immunocytochemical localization of choline acetyltransferase in rat ventral striatum: a light and electron microscopic study. Phelps PE, et al. **J Neurocytol** 1986 Oct;15(5):595–617

The effect of the dopamine agonist pergolide on tyrosine hydroxylase activity in rat striatal and limbic miniprisms in vitro: a model for the dopamine autoreceptor? Vulto AG, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Aug;333(4):349–53

GROWTH & DEVELOPMENT

The bed nucleus of the stria terminalis in the rat: regional sex differences controlled by gonadal steroids early after birth. del Abril A, et al. **Brain Res** 1987 Apr;429(2):295–300

METABOLISM

Selective changes in mu, delta and kappa opioid receptor binding in certain limbic regions of the brain in Alzheimer's disease patients. Hiller JM, et al. **Brain Res** 1987 Mar 17; 406(1–2):17–23

Anterograde transsynaptic transport of WGA–HRP in the limbic system of rat and monkey. Itaya SK, et al. **Brain Res** 1986 Nov 29;398(2):397–402

In situ hybridization detection of estradiol–induced changes in ribosomal RNA levels in rat brain. Jones KJ, et al. **Brain Res** 1986 Nov;387(2):145–52

Effects of beta–endorphin2–9 on arginine–8–vasopressin and oxytocin levels in hypothalamic and limbic brain regions. Laczi F, et al. **Brain Res** 1987 Feb 10;403(1):155–7

The concentration of p– and m–tyramine in the rat mesolimbic system: its regional distribution and effect of monoamine oxidase inhibition. Sardar A, et al. **Brain Res** 1987 Jun 2;412(2):370–4

Immunocytochemical localization of cholecystokinin and glutamic acid decarboxylase during normal development in the prepyriform cortex of rats. Westenbroek RE, et al. **Brain Res** 1987 Aug;431(2):191–206

Immunohistochemical visualization of glutamate– and aspartate–containing nerve terminal pools in the rat limbic structures. Yoshida M, et al. **Brain Res** 1987 Apr 28; 410(1):169–73

Influence of sexual differentiation on striatal and limbic catecholamines. Leret ML, et al. **Comp Biochem Physiol [C]** 1987;86(2):299–303

Mesolimbic and mesocortical dopamine activation induced by phencyclidine: contrasting pattern to striatal response. Deutch AY, et al. **Eur J Pharmacol** 1987 Feb 24; 134(3):257–64

Nicotine preferentially stimulates dopamine release in the limbic system of freely moving rats. Imperato A, et al. **Eur J Pharmacol** 1986 Dec 16;132(2–3):337–8

Limbic oxytocin and arginine 8–vasopressin in morphine tolerance and dependence. Kovács GL, et al. **Exp Brain Res** 1987;65(2):307–11

In vivo effects of the Ca2+–antagonist nimodipine on dopamine metabolism in mouse brain. Pileblad E, et al. **J Neural Transm** 1986;66(3–4):171–87

Adrenocortical steroids modify neurotransmitter–stimulated cyclic AMP accumulation in the hippocampus and limbic brain of the rat. Harrelson AL, et al. **J Neurochem** 1987 May;48(5):1648–55

The postnatal development of the dopamine–containing innervation of dorsal and ventral striatum: effects of the weaver gene. Roffler–Tarlov S, et al. **J Neurosci** 1987 Aug; 7(8):2364–72

Dopamine autoreceptors modulate the in vivo release of dopamine in the frontal, cingulate and entorhinal cortices. Altar CA, et al. **J Pharmacol Exp Ther** 1987 Jul; 242(1):115–20

Dopamine D–2 receptors inhibit D–1 stimulated cyclic AMP accumulation in striatum but not limbic forebrain. Kelly E, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 May; 335(5):508–12

Localization of cholecystokinin receptors in relation to the nigrostriatal and mesolimbic dopaminergic pathways. Gaudreau P, et al. **Neuropeptides** 1987 May–Jun; 9(4):283–93

Somatostatinergic projections from the amygdala to the bed nucleus of the stria terminalis and medial preoptic–hypothalamic region. McDonald AJ. **Neurosci Lett** 1987 Apr 10;75(3):271–7

Effect of mannitol treatment on brain neurotransmitter markers in kainic acid–induced epilepsy. Baran H, et al. **Neuroscience** 1987 Jun;21(3):679–84

Regional and laminar density of the dopamine innervation in adult rat cerebral cortex. Descarries L, et al. **Neuroscience** 1987 Jun;21(3):807–24

The effects of d–amphetamine, alpha–flupenthixol, and mesolimbic dopamine depletion on a test of attentional switching in the rat. Robbins TW, et al. **Psychopharmacology (Berlin)** 1986;90(1):72–8

PATHOLOGY

Reinnervation of the hippocampal perforant pathway zone in Alzheimer's disease. Hyman BT, et al. **Ann Neurol** 1987 Mar;21(3):259–67

Perforant pathway changes and the memory impairment of Alzheimer's disease. Hyman BT, et al. **Ann Neurol** 1986 Oct;20(4):472–81

The perforant pathway in Down's syndrome [letter] Mann DM, et al. **Ann Neurol** 1987 Jun;21(6):613–4

Behavioral effects of intraaccumbens transplants in rats with lesions of the mesocorticolimbic dopamine system. Choulli K, et al. **Ann NY Acad Sci** 1987;495:497–509

The prepiriform cortex in dementia of the Alzheimer type. Reyes PF, et al. **Arch Neurol** 1987 Jun;44(6):644–5

Dendritic changes in the basal nucleus of Meynert and in the diagonal band nucleus in Alzheimer's disease—a quantitative Golgi investigation. Arendt T, et al. **Neuroscience** 1986 Dec;19(4):1265–78

[Brain substance deficit with paralimbic and limbic involvement in computerized tomography studies of schizophrenic patients] Bogerts B, et al. **Nervenarzt** 1987 Feb;58(2):97–106 (Eng. Abstr.) **(Ger)**

[Ibotenic acid–induced limbic seizures and neuronal degeneration] Watanabe K, et al. **No To Shinkei** 1987 Jun; 39(6):505–8 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

The role of corticocortical projections in self–stimulation of the prelimbic and sulcal prefrontal cortex in rats. Robertson A, et al. **Behav Brain Res** 1986 Aug;21(2):129–42

Disappearance of hoarding behavior after 6–hydroxydopamine lesions of the mesolimbic dopamine neurons and its reinstatement with L–dopa. Kelley AE, et al. **Behav Neurosci** 1985 Jun;99(3):531–45

Differential effects of lesions in three limbic areas on ultrasound production and lordosis by female hamsters. Kirn J, et al. **Behav Neurosci** 1985 Dec;99(6):1142–52

How does the limbic system assist motor learning? A limbic comparator hypothesis. Brooks VB. **Brain Behav Evol** 1986; 29(1–2):29–53 (87 ref.)

The effects of chronic desmethylimipramine on entorhinal cortical kindling in rats. Applegate CD, et al. **Brain Res** 1986 Nov 19;398(1):121–7

Relation of olfactory bulb and cortex. II. Model for driving of cortex by bulb. Bressler SL. **Brain Res** 1987 Apr 21; 409(2):294–301

Relation of olfactory bulb and cortex. I. Spatial variation of bulbocortical interdependence. Bressler SL. **Brain Res** 1987 Apr 21;409(2):285–93

Plasma corticosterone responses to electrical stimulation of the bed nucleus of the stria terminalis. Dunn JD. **Brain Res** 1987 Mar 31;407(2):327–31

Neurophysiology of limbic system pathways in the rat: projections from the subicular complex and hippocampus to the entorhinal cortex. Finch DM, et al. **Brain Res** 1986 Nov 12;397(2):205–13

'Non–specific' cholinesterase–containing neurons of the dorsal thalamus project to medial limbic cortex. Robertson RT, et al. **Brain Res** 1987 Feb 24;404(1–2):282–92

Electrophysiology of limbic forebrain and paraventricular nucleus connections. Saphier D, et al. **Brain Res Bull** 1986 Dec;17(6):743–50

Psychosocial and central nervous influences in primary

hypertension. Folkow B. **Circulation** 1987 Jul;76(1 Pt 2):110–9 (41 ref.)
Regulation of androgen metabolism and luteinizing hormone–releasing hormone content in discrete hypothalamic and limbic areas of male rhesus macaques. Roselli CE, et al. **Endocrinology** 1987 Jan;120(1):97–106
Response of mesolimbic substance P systems to methamphetamine treatment. Hanson GR, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):265–8
The effects of antidepressants and electroconvulsive shocks on the functioning of the mesolimbic dopaminergic system: a behavioral study. Plaznik A, et al. **Eur J Pharmacol** 1987 Mar 31;135(3):389–96
Emergence of the capacity for LTP during reinnervation of the dentate gyrus: evidence that abnormally shaped spines can mediate LTP. Reeves TM, et al. **Exp Brain Res** 1986;65(1):167–75
Influence of electrical stimulation of the limbic structure on glucagon level in rabbit's plasma. Kaba H, et al. **Exp Clin Endocrinol** 1987 Apr;89(2):233–6
Alteration in dentate neuronal activities associated with perforant path kindling. III. Enhancement of synaptic inhibition. Maru E, et al. **Exp Neurol** 1987 Apr;96(1):46–60
Alteration in dentate neuronal activities associated with perforant path kindling. II. Decrease in granule cell excitability. Maru E, et al. **Exp Neurol** 1987 Apr; 96(1):33–45
Alteration in dentate neuronal activities associated with perforant path kindling. I. Long-term potentiation of excitatory synaptic transmission. Maru E, et al. **Exp Neurol** 1987 Apr;96(1):19–32
Sprouting responsiveness in the dentate gyrus is reduced by ethanol administered following but not preceding an entorhinal lesion. Tjossem HH, et al. **Exp Neurol** 1987 Sep; 97(3):441–53
Evidence for somatostatin-containing fibers projecting from the pallidal complex to the striatum of the rat. Widmann R, et al. **J Neurochem** 1987 Jun;48(6):1857–61
A gamma-aminobutyric-acid-mediated baroreceptor input to supraoptic vasopressin neurones in the rat. Jhamandas JH, et al. **J Physiol (Lond)** 1986 Dec;381:595–606
Passive avoidance deficits following lesions of the posteroventral hippocampo-subiculo-entorhinal area in the developing rat. Blozovski D, et al. **J Physiol (Paris)** 1986; 81(5):374–8
Microinjection of oxytocin into limbic-mesolimbic brain structures disrupts heroin self-administration behavior: a receptor-mediated event? Ibragimov R, et al. **Life Sci** 1987 Sep 7;41(10):1265–71
Interaction between thyrotropin-releasing hormone and the mesolimbic dopamine system. Kalivas PW, et al. **Neuropharmacology** 1987 Jan;26(1):33–8
Electrophysiology of AChE-positive neurons in basal forebrain slices. Griffith WH, et al. **Neurosci Lett** 1986 Nov 11;71(2):169–74
Electrical activity generated in subicular and entorhinal cortices after electrical stimulation of the lateral and basolateral amygdala of the rat. Colino A, et al. **Neuroscience** 1986 Oct;19(2):573–80
D-2 dopamine-receptors regulate the release of [3H]dopamine in rat cortical regions showing dopamine immunoreactive fibers. Plantjé JF, et al. **Neuroscience** 1987 Jan;20(1):157–68
Evoked metabolic responses in the limbic-striate system produced by stimulation of anterior thalamic nucleus in man. Upton AR, et al. **PACE** 1987 Jan;10(1 Pt 2):217–25
Effects of selective lesions of fimbria-fornix on learning set in the rat. M'Harzi M, et al. **Physiol Behav** 1987;40(2):181–8
The hypothalamus, intrinsic connections and outflow pathways to the endocrine system in relation to the control of feeding and metabolism. Luiten PG, et al. **Prog Neurobiol** 1987;28(1):1–54 (130 ref.)
The role of the locus coeruleus-limbic noradrenergic transmission in the action of antidepressant drugs. Kostowski W, et al. **Psychopharmacol Bull** 1986; 22(2):512–22
[Spontaneous and septal models of muricidal behavior: regional activity of enzymes regulating angiotensin and bradykinin metabolism in the brain] Konmissarova NV, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):45–9 (Eng. Abstr.) **(Rus)**
[Discharges in the white rami communicantes evoked by stimulation of different fields of the limbic system] Baklavadzhian OG, et al. **Fiziol Zh SSSR** 1987 Feb; 73(2):173–83 (Eng. Abstr.) **(Rus)**
[Comparative study of mechanisms of change in vasomotor sympathetic activity upon stimulation of different structures of the limbic cortex and hypothalamus] Baklavadzhian OG, et al. **Fiziol Zh SSSR** 1987 Mar;73(3):373–83 (Eng. Abstr.) **(Rus)**
[Participation of the nigro-striatal and mesolimbic dopaminergic systems of the brain in the control of components of learned motor reactions in the dog] Shapovalova KB, et al. **Fiziol Zh SSSR** 1987 May; 73(5):579–89 (Eng. Abstr.) **(Rus)**
[Response of limbic cortex neurons of the alert cat during elaboration of a defensive conditioned reflex] Ziniuk LE. **Neirofiziologiia** 1986;18(5):660–9 (Eng. Abstr.) **(Rus)**
[Functional topography of afferent projections of the horizontal division of the nucleus of the diagonal band in the dorsolateral neocortex of the cat] Poliakova AG. **Zh Vyssh Nerv Deiat** 1987 May-Jun;37(3):498–508 (Eng. Abstr.) **(Rus)**
[Neural integration of food habits] Bermúdez Rattoni F. **Bol Estud Med Biol** 1986;34(1–4):43–50 **(Spa)**
[New concepts of the morpho-functional importance of the limbic system] Escobar A. **Bol Estud Med Biol** 1986; 34(1–4):25–34 **(Spa)**
[Electrophysiologic aspects of the limbic system] Guevara-Aguilar R, et al. **Bol Estud Med Biol** 1986; 34(1–4):35–42 **(Spa)**

PHYSIOPATHOLOGY

Removal of the entorhinal cortex protects hippocampal CA-1 neurons from ischemic damage. Jørgensen MB, et al. **Acta Neuropathol (Berl)** 1987;73(2):189–94
The limbic system: neuroanatomical concepts relating to epileptic phenomena. Amaral DG, et al. **Adv Exp Med Biol** 1986;203:99–101
Role of the substantia nigra in the kindling model of limbic epilepsy. McNamara JO, et al. **Adv Exp Med Biol** 1986; 203:139–46
Somatostatin augments the spread of limbic seizures from the hippocampus. Perlin JB, et al. **Ann Neurol** 1987 May; 21(5):475–80
Prolactin in partial epilepsy: an indicator of limbic seizures. Sperling MR, et al. **Ann Neurol** 1986 Dec;20(6):716–22
Petit mal seizure spikes in olfactory bulb and cortex caused by runaway inhibition after exhaustion of excitation. Freeman WJ. **Brain Res** 1986 Sep;396(3):259–84
Olfactory bulbectomy protects against pilocarpine-induced motor limbic seizures in rats. Millan MH, et al. **Brain Res** 1986 Nov 19;398(1):204–6
Chronic epileptogenesis induced by kindling of the entorhinal cortex: the role of the dentate gyrus. Sutula T, et al. **Brain Res** 1986 Oct 22;385(2):291–9
Event-related slow potentials and the limbic system. Ganglberger JA, et al. **Electroencephalogr Clin Neurophysiol [Suppl]** 1986;38:546–8
Limbic epilepsy induced by tetanus toxin: a longitudinal electroencephalographic study. Hawkins CA, et al. **Epilepsia** 1987 Jul–Aug;28(4):431–44
Influence of lesions of the limbic-hypothalamic system on metabolic response of pyruvate to daily repeated immobilization stress in rabbits. Seto K, et al. **Exp Clin Endocrinol** 1986 Dec;88(3):285–92
Wet dog shakes in limbic versus generalized seizures. Rondouin G, et al. **Exp Neurol** 1987 Feb;95(2):500–5
Medialis dorsalis thalamic unitary response to tooth pulp stimulation and its conditioning by brainstem and limbic activation. Palestini M, et al. **Neurosci Lett** 1987 Jul 22; 78(2):161–5
A mental syndrome associated with colonic carcinoma: limbic encephalitis? Janati A, et al. **Psychosomatics** 1987 Jan;28(1):48–50
Limbic epilepsy induced in the rat by dendrotoxin, a polypeptide isolated from the green mamba (Dendroaspis angusticeps) venom. Velluti JC, et al. **Toxicon** 1987; 25(6):649–57
[Electrical activity of limbic cortex neurons during asphyxia] Kuz'mina TR, et al. **Fiziol Zh SSSR** 1987 May;73(5):618–23 (Eng. Abstr.) **(Rus)**
[Bioelectric activity of limbic structures of the brain in vibration pathology] Minasian SM, et al. **Gig Sanit** 1986 Sep;(9):85–7 **(Rus)**

SECRETION

Differential effects of experimentally induced blood pressure changes on the release of catecholamines in hypothalamic and limbic areas of rats. Dietl H. **Life Sci** 1987 Jul 13; 41(2):217–26

SURGERY

[Naso-pulmonary reflex in surgery of the nasal pyramid and nasal fossa] Murillas G, et al. **An Otorrinolaringol Ibero Am** 1987;14(4):425–34 (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

Factors affecting survival and outgrowth from transplants of entorhinal cortex. Gibbs RB, et al. **Neuroscience** 1987 Jun;21(3):699–706

ULTRASTRUCTURE

Nerve connections between mouse and rat hippocampal brain tissue: ultrastructural observations after intracerebral xenografting. Sørensen T, et al. **Brain Res** 1987 Jun 16; 413(2):392–7

LIMBS see **EXTREMITIES**

LIMITATION OF ACTIVITY, CHRONIC see **ACTIVITIES OF DAILY LIVING**

LIMULUS see **HORSESHOE CRABS**

LIMULUS TEST

The Limulus amebocyte lysate assay. A rapid and sensitive method for diagnosing early gram-negative peritonitis in patients undergoing continuous ambulatory peritoneal dialysis. Clayman MD, et al. **Arch Intern Med** 1987 Feb; 147(2):337–40
The possible role of Limulus-amebocyte-lysate-reactive material in hemodialysis. First-use syndrome. Pearson FC. **Blood Purif** 1987;5(2–3):115–22
Rapid detection of gram-negative bacterial peritonitis by the Limulus amoebocyte lysate assay. Smalley DL, et al. **J Clin Microbiol** 1986 Nov;24(5):882–3
Identity of limulus amoebocyte lysate-active root surface materials from periodontally involved teeth. Wilson M, et al. **J Clin Periodontol** 1986 Sep;13(8):743–7
Endotoxin testing. Vanhaecke E, et al. **J Clin Pharm Ther** 1987 Aug;12(4):223–35 (93 ref.)
Limulus amoebocyte lysate assay of endotoxin: a method for visual detection of the positive gel reaction. Hussaini SN, et al. **J Med Microbiol** 1987 Aug;24(1):89–90
Effect of nonsterility on the activity of Limulus amebocyte lysate. Pearson FC, et al. **J Parenter Sci Technol** 1982 Sep–Oct;36(5):196–8
Detection of bacterial endotoxins with the Limulus amebocyte lysate test. Proceedings of an international congress. Woods Hole, Massachusetts, September 8–11, 1985. **Prog Clin Biol Res** 1987;231:1–528
The preparation of a control standard endotoxin to be used in both the gel-clot and chromogenic Limulus amebocyte lysate test. Berzofsky RN. **Prog Clin Biol Res** 1987; 231:183–8
The recovery of endotoxin from seeded vascular grafts. Botan EA, et al. **Prog Clin Biol Res** 1987;231:263–72
Clinical evaluation of the plasma chromogenic Limulus assay. Dolan SA, et al. **Prog Clin Biol Res** 1987;231:405–16
The detection of gram-negative bacteria in the blood of septic rats by a Limulus amebocyte lysate assay. du Moulin GC, et al. **Prog Clin Biol Res** 1987;231:349–56
The use of a quantitative assay in endotoxin testing. Friberger P, et al. **Prog Clin Biol Res** 1987;231:149–69
Comparison of E. coli endotoxin 055:B5 with U.S. Standard Endotoxin EC-5 using the Limulus amebocyte lysate assay. Hochstein HD, et al. **Prog Clin Biol Res** 1987;231:133–41
The Limulus amebocyte lysate test: perspectives and problems. Levin J. **Prog Clin Biol Res** 1987;231:1–23
Evaluation of the chromogenic Limulus lysate assay in septic shock. McCartney AC, et al. **Prog Clin Biol Res** 1987; 231:459–74
Structural requirements for gelation of the Limulus amebocyte lysate by endotoxin. Morrison DC, et al. **Prog Clin Biol Res** 1987;231:55–73
Endotoxin determination by the LAL-method in parenterals and raw materials. Summarized data. Müller-Calgan H. **Prog Clin Biol Res** 1987;231:289–300
FDA LAL guideline—update. Munson TE. **Prog Clin Biol Res** 1987;231:143–7
Usefulness of LAL assay for rapid detection of gram-negative bacteriuria. Nachum R. **Prog Clin Biol Res** 1987;231:431–42
Investigations on an essential plasma factor disturbing the photometric determination of endotoxin in plasma samples with the Limulus test. Nitsche D, et al. **Prog Clin Biol Res** 1987;231:331–40
Design criteria and evaluation of the LAL-4000 for kinetic turbidimetric LAL assay. Novitsky TJ, et al. **Prog Clin Biol Res** 1987;231:189–96
Removal of Limulus test-interfering factors in blood samples with perchloric acid and the improvement of the specificity of the Limulus test by fractionating amebocyte lysate. Obayashi T, et al. **Prog Clin Biol Res** 1987;231:357–69
Endotoxin inactivation in plasma from patients with gram-negative infection—an in vitro study. Olofsson P, et al. **Prog Clin Biol Res** 1987;231:323–30
The use of the Limulus amebocyte lysate assay to monitor hemodialyzer-associated soluble cellulosic material (LAL-reactive material). Pearson FC, et al. **Prog Clin Biol Res** 1987;231:211–22
Removal of LAL-test interfering low molecular weight substances by ultrafiltration. Pfeiffer M, et al. **Prog Clin Biol Res** 1987;231:251–62
Quantitation of endotoxin in products using the LAL kinetic turbidimetric assay. Remillard JF, et al. **Prog Clin Biol Res** 1987;231:197–210
Production of biological drugs: in-process controls with the LAL-assay. Ronneberger H. **Prog Clin Biol Res** 1987; 231:301–6
Recovery of endotoxin from human plasma by acid oxidative treatments as monitored by an automated microtiter plate-chromogenic substrate Limulus amebocyte lysate (LAL) assay method. Tsuji K, et al. **Prog Clin Biol Res** 1987;231:443–57
Evaluation of commercial chromogenic LAL reagents from different manufacturers. Twohy C, et al. **Prog Clin Biol Res** 1987;231:171–81
The relative activity of endotoxins of different origins in the LAL gelation method and in the LAL chromogenic substrate method. van Noordwijk J, et al. **Prog Clin Biol Res** 1987;231:103–13
Endotoxin neutralizing capacity of sera from different patient populations assessed by the Limulus lysate test. Warren HS, et al. **Prog Clin Biol Res** 1987;231:341–8
Validating an LAL chromogenic substrate pyrogen test for large volume parenterals. Weary M, et al. **Prog Clin Biol Res** 1987;231:307–22
A new ultrafiltration unit for the removal of substances interfering with the LAL-endotoxin-test. Weiss AR. **Prog Clin Biol Res** 1987;231:235–49

A comparison of methods of removing inhibitors to the chromogenic Limulus assay in normal and jaundiced blood. Ingoldby CJ, et al. **Thromb Res** 1986 Oct 1;44(1):95–100
[The amebocyte lysate limulus assay] van Noordwijk J. **J Pharm Belg** 1986 Jul–Aug;41(4):256–64 (Fre)
[Clinical value of endotoxin determination in infection. Comparison of the Limulus amebocyte lysate test with detection of bacterial pathogens] Watzke H, et al. **Acta Med Austriaca** 1987;14(1):21–4 (Eng. Abstr.) (Ger)

STANDARDS

The limulus amoebocyte lysate (LAL) assay—a replacement for the rabbit pyrogen test. Booth C. **Dev Biol Stand** 1986; 64:271–5

VETERINARY

Comparison of a gelation and a chromogenic Limulus (LAL) assay for the detection of gram-negative bacteria, and the application of the latter assay to milk. Svensson A, et al. **J Dairy Res** 1987 May;54(2):267–73

LINCOLNENSIN see **LINCOMYCIN**

LINCOMYCIN

ANALYSIS

[Determination of lincomycin in the air] Churagulova NK. **Antibiot Med Biotekhnol** 1987 Mar;32(3):220–3 (Eng. Abstr.) (Rus)

METABOLISM

Kinetics of binding of macrolides, lincosamides, and synergimycins to ribosomes. Di Giambattista M, et al. **J Biol Chem** 1987 Jun 25;262(18):8591–7

PHARMACODYNAMICS

Effects of lincomycin on the immune system. Fraschini F, et al. **Chemotherapy** 1987;33(1):61–7
Susceptibility of bacteria to serum lysis or phagocytosis following growth in subinhibitory levels of lincosaminide or spectinomycin related antibiotics. Cialdella JI, et al. **J Antibiot (Tokyo)** 1986 Jul;39(7):978–84
The susceptibility of a strain of Leptospira interrogans serogroup icterohaemorrhagiae to amoxycillin, erythromycin, lincomycin, tetracycline, oxytetracycline and minocycline. Broughton ES, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Jul; 261(4):425–31

THERAPEUTIC USE

Administration of lincomycin [letter] Schmit B. **Vet Rec** 1986 Sep 6;119(10):256
[The prevention of the crowding disease complex in calves by oral administration of Lincospectin powder] Klawonn W, et al. **DTW** 1987 Jul–Aug;94(7):398–403 (Eng. Abstr.) (Ger)
[Effect of rifampicin, lincomycin and staphylococcal vaccine on the beta-lysin activity of the blood serum of animals infected with Staphylococcus] Balakliets NI, et al. **Antibiot Med Biotekhnol** 1987 Jan;32(1):53–6 (Eng. Abstr.) (Rus)

LINDANE see **BENZENE HEXACHLORIDE**

LINEAR ACCELERATORS see **PARTICLE ACCELERATORS**

LINENS see **BEDDING AND LINENS**

LINGUAL BONE see **HYOID BONE**

LINGUAL FRENUM

ABNORMALITIES

[Cutting of the frenum of the tongue (letter)] Six PD. **Ned Tijdschr Geneeskd** 1986 Sep 13;130(37):1661 (Dut)

PATHOLOGY

Familial dysautonomia with Riga-Fede's disease: report of case. Rakocz M, et al. **ASDC J Dent Child** 1987 Jan–Feb; 54(1):57–9

LINGUAL NERVE see under **MANDIBULAR NERVE**

LINGUISTICS

Freakish forms and mildewed meanings. Dirckx JH. **Am J Dermatopathol** 1987 Aug;9(4):357–61
Neuro Linguistic Programming. Oldham J. **Aust Fam Physician** 1987 Mar;16(3):237–8, 240
The effect of linguistic background on staggered spondaic word and dichotic consonant vowel scores. Keith RW, et al. **Br J Audiol** 1987 Feb;21(1):21–6
Developing linguistic awareness: a theoretically based approach to phonological disorders. Dean E, et al. **Br J Disord Commun** 1986 Aug;21(2):223–38
Parental responses to grammatical and ungrammatical child utterances. Penner SG. **Child Dev** 1987 Apr;58(2):376–84
Aging and the use of sentential structure to facilitate word recognition. Holtzman RE, et al. **Exp Aging Res** 1986 Summer;12(2):85–8
Organizational strategies in immediate recall of rapid speech by young and elderly adults. Wingfield A, et al. **Exp Aging Res** 1986 Summer;12(2):79–83
Syntactic findings in developmental verbal apraxia. Ekelman BL, et al. **J Commun Disord** 1983 Jul;16(4):237–50
Linguistic stress judgments of language learning disabled students. Highnam C, et al. **J Commun Disord** 1987 Apr; 20(2):93–103
Sources of meaning in the acquisition of complex syntax: the sample case of causality. Bloom L, et al. **J Exp Child Psychol** 1987 Feb;43(1):112–28
Voice stress evaluators and lie detection. Hollien H, et al. **J Forensic Sci** 1987 Mar;32(2):405–18 (80 ref.)
Life-span changes in syntactic complexity. Kemper S. **J Gerontol** 1987 May;42(3):323–8
Language and diarrheal diseases. Premsrirat S, et al. **J Med Assoc Thai** 1986 Oct;69 Suppl 2:167–73
Differences in conceptualizing self versus conceptualizing other people as manifested in contrasting verb types used in natural speech. McGuire WJ, et al. **J Pers Soc Psychol** 1986 Dec;51(6):1135–43
Syntactic, semantic, and rhythmic influences on children's and adults' motor programming of speech. Abbeduto L. **J Psycholinguist Res** 1987 May;16(3):201–21
Language growth with experience without feedback. Cromer RF. **J Psycholinguist Res** 1987 May;16(3):223–31
When-questions: a study of how children linguistically encode temporal information. Hsu JR, et al. **J Psycholinguist Res** 1987 May;16(3):241–55
Responses to requests for clarification in linguistically normal and language-impaired children. Brinton B, et al. **J Speech Hear Disord** 1986 Nov;51(4):370–8
Experimental analysis of syntax training in Broca's aphasia: a generalization and social validation study. Doyle PJ, et al. **J Speech Hear Disord** 1987 May;52(2):143–55
Teaching subjecthood to language-disordered children. Connell PJ. **J Speech Hear Res** 1986 Dec;29(4):481–92
Digital inverse filtering for linguistic research. Javkin HR, et al. **J Speech Hear Res** 1987 Mar;30(1):122–9
Episode organization and cohesive conjunctives in narratives of children with and without language disorder. Liles BZ. **J Speech Hear Res** 1987 Jun;30(2):185–96
Contrastive stress, phonetic context, and misarticulation of /r/ in young speakers. McCauley RJ, et al. **J Speech Hear Res** 1987 Mar;30(1):114–21
The effects of linguistic complexity on children's and adults' motor programming of speech. Abbeduto L. **Lang Speech** 1985 Oct–Dec;28 (Pt 4):361–75
Representation of psychosomatic disturbances: metaphor and metonymy. Carta I, et al. **Psychother Psychosom** 1986; 46(4):177–83
[Some linguistic aspects of thought disorder in non-acute schizophrenia.] Schonauer K, et al. **Eur Arch Psychiatry Neurol Sci** 1986;236(3):179–86 (Eng. Abstr.) (Ger)

LINITIS PLASTICA see under **CARCINOMA, SCIRRHOUS**

LINKAGE (GENETICS)

Intravenous immunoglobulin therapy of progressive encephalitis in X-linked hypogammaglobulinemia. Bernatowska E, et al. **Acta Paediatr Scand** 1987 Jan; 76(1):155–6
Investigation of genetic linkage in human families. White R, et al. **Adv Hum Genet** 1987;16:121–228 (363 ref.)
Linkage of cystic fibrosis to two tightly linked DNA markers: joint report from a collaborative study. Beaudet A, et al. **Am J Hum Genet** 1986 Dec;39(6):681–93
Estimating the power of a proposed linkage study: a practical computer simulation approach. Boehnke M. **Am J Hum Genet** 1986 Oct;39(4):513–27
Mapping the Wilson disease locus to a cluster of linked polymorphic markers on chromosome 13. Bowcock AM, et al. **Am J Hum Genet** 1987 Jul;41(1):27–35
Genetic analysis of cystic fibrosis: linkage of DNA and classical markers in multiplex families. Bowcock AM, et al. **Am J Hum Genet** 1986 Dec;39(6):699–706
Further data on linkage between cystic fibrosis and 7C22 (D7S16) [letter] Farrall M, et al. **Am J Hum Genet** 1987 Aug;41(2):286–7
Further data supporting linkage between cystic fibrosis and the met oncogene and haplotype analysis with met and pJ3.11. Farrall M, et al. **Am J Hum Genet** 1986 Dec; 39(6):713–9
An efficient strategy for gene mapping using multipoint linkage analysis: exclusion of the multiple endocrine neoplasia 2A (MEN2A) locus from chromosome 13. Farrer LA, et al. **Am J Hum Genet** 1987 Apr;40(4):329–37
DSLINK: a computer program for gene-centromere linkage analysis in families with a trisomic offspring. Halloran SL, et al. **Am J Hum Genet** 1987 Sep;41(3):350–5
Contrasting evolutionary histories among tightly linked HLA loci. Klitz W, et al. **Am J Hum Genet** 1986 Sep;39(3):340–9
RFLP analysis of HLA-DR and -DQ genes and their linkage relationships in the Pacific. Kohonen-Corish MR, et al. **Am J Hum Genet** 1986 Dec;39(6):751–62
A DNA probe for the LDL receptor gene is tightly linked to hypercholesterolemia in a pedigree with early coronary disease. Leppert MF, et al. **Am J Hum Genet** 1986 Sep; 39(3):300–6
Huntington disease-linked restriction fragment length polymorphism localized within band p16.1 of chromosome 4 by in situ hybridization. Magenis RE, et al. **Am J Hum Genet** 1986 Sep;39(3):383–91
Linkage of cystic fibrosis locus and polymorphic DNA markers in 14 families. Naylor SL, et al. **Am J Hum Genet** 1986 Dec;39(6):707–12
The use of map functions in multipoint mapping. Pascoe L, et al. **Am J Hum Genet** 1987 Feb;40(2):174–83
Assessing the role of HLA-linked and unlinked determinants of disease. Risch N. **Am J Hum Genet** 1987 Jan;40(1):1–14
A study of 609 HLA haplotypes marking for the hemochromatosis gene: (1) mapping of the gene near the HLA-A locus and characters required to define a heterozygous population and (2) hypothesis concerning the underlying cause of hemochromatosis-HLA association. Simon M, et al. **Am J Hum Genet** 1987 Aug;41(2):89–105
Linkage of DNA markers to cystic fibrosis in 26 families. Spence JE, et al. **Am J Hum Genet** 1986 Dec;39(6):729–34
Family study on the polymorphisms of the sixth and seventh components (C6 and C7) of human complement: linkage and haplotype analyses. Tokunaga K, et al. **Am J Hum Genet** 1986 Sep;39(3):414–9
Localization of the human thyroxine-binding globulin gene to the long arm of the X chromosome (Xq21–22). Trent JM, et al. **Am J Hum Genet** 1987 Sep;41(3):428–35
Genetic analysis of cystic fibrosis using linked DNA markers. Tsui LC, et al. **Am J Hum Genet** 1986 Dec;39(6):720–8
Subregional assignment of the linked marker G8 (D4S10) for Huntington disease to chromosome 4p16.1–16.3. Wang HS, et al. **Am J Hum Genet** 1986 Sep;39(3):392–6
A cell hybrid and recombinant DNA library that facilitate identification of polymorphic loci in the vicinity of the Huntington disease gene. Wasmuth JJ, et al. **Am J Hum Genet** 1986 Sep;39(3):397–403
A linkage study of cystic fibrosis in extended multigenerational pedigrees. Watkins PC, et al. **Am J Hum Genet** 1986 Dec;39(6):735–43
Further linkage data on cystic fibrosis: the Utah Study. White R, et al. **Am J Hum Genet** 1986 Dec;39(6):694–8
Further linkage data on Norrie disease. Kivlin JD, et al. **Am J Med Genet** 1987 Mar;26(3):733–6
Recombination between the factor VIII gene and the DXS52 locus gives the most probable genetic order as centromere-fra(X)-DXS15-DXS52-F8C-telomere. Mulligan LM, et al. **Am J Med Genet** 1987 Mar; 26(3):751–60
Immunoregulatory T cells in males vulnerable to Epstein-Barr virus with the X-linked lymphoproliferative syndrome. Lai PK, et al. **Am J Pediatr Hematol Oncol** 1987 Summer;9(2):179–82
Genomic hybridization of bovine class II major histocompatibility genes: 2. Polymorphism of DR genes and linkage disequilibrium in the DQ-DR region. Andersson L, et al. **Anim Genet** 1986;17(4):295–304
Genetic linkage between loci for a red cell alloantigen (U) and serum protease inhibitor (Pi) in the horse. Bowling AT. **Anim Genet** 1986;17(3):217–23
Localization of the Po2 locus in the S, Phi, Hal, H, Po2, Pgd linkage group in pigs. Cepica S, et al. **Anim Genet** 1986;17(3):283–6
Linkage between the porcine genes encoding immunoglobulin heavy-chain allotypes and some serum alpha-protease inhibitors: a conserved linkage in pig, mouse and human. Juneja RK, et al. **Anim Genet** 1986;17(3):225–33
Linkage analysis of loci controlling blood groups and the rectovaginal constriction syndrome in Jersey cattle. Larsen B, et al. **Anim Genet** 1986;17(3):277–82
Evidence for BoLA-linked resistance and susceptibility to subclinical progression of bovine leukaemia virus infection. Lewin HA, et al. **Anim Genet** 1986;17(3):197–207
Molecular analysis of X-linked diseases. Davies KE, et al. **Ann Clin Res** 1986;18(5–6):231–3
X-linked ichthyosis due to steroid sulfatase deficiency associated with hypogonadism and anosmia [letter] Andria G, et al. **Ann Neurol** 1987 Jul;22(1):98–9
Linkage of adrenoleukodystrophy to a polymorphic DNA probe. Aubourg PR, et al. **Ann Neurol** 1987 Apr; 21(4):349–52
X-linked neuropathy: gene localization with DNA probes. Fischbeck KH, et al. **Ann Neurol** 1986 Oct;20(4):527–32
Linkage analysis between the beta-nerve growth factor gene and other chromosome 1p markers and disseminated neurofibromatosis. Darby JK, et al. **Ann NY Acad Sci** 1986; 486:311–26
Evidence against linkage of von Recklinghausen neurofibromatosis and chromosome 19 markers. Huson SM, et al. **Ann NY Acad Sci** 1986;486:349–53
Genetic linkage analysis of neurofibromatosis with DNA markers. Seizinger BR, et al. **Ann NY Acad Sci** 1986; 486:304–10
Genetic linkage analysis of neurofibromatosis. Spence MA, et al. **Ann NY Acad Sci** 1986;486:287–92
Pulmonary valve stenosis and hemophilia A. Report of three cases and discussion of a possible genetic linkage. Ackerman Z, et al. **Arch Intern Med** 1986 Nov; 146(11):2233–4
Mapping X-linked ophthalmic diseases. III. Provisional assignment of the locus for blue cone monochromacy to

Xq28. Lewis RA, et al. **Arch Ophthalmol** 1987 Aug; 105(8):1055–9

Psychophysical and electroretinographic findings in X-linked juvenile retinoschisis. Peachey NS, et al. **Arch Ophthalmol** 1987 Apr;105(4):513–6

Linkage studies of HLA and rheumatoid arthritis in multicase families. Walker DJ, et al. **Arthritis Rheum** 1987 Jan; 30(1):31–5

Metabolism of C4 and linkage analysis in a kindred with hereditary incomplete C4 deficiency. Wisnieski JJ, et al. **Arthritis Rheum** 1987 Aug;30(8):919–26

Central nervous system echovirus infection in Bruton's X-linked hypogammaglobulinemia [letter] Ziegler JB, et al. **Aust NZ J Med** 1986 Jun;16(3):416–7

Genetic properties of linkage group XIX in Chlamydomonas reinhardtii. Dutcher SK. **Basic Life Sci** 1986;40:303–25

DNA polymorphisms in North Sardinian newborns and their linkage with abnormal gamma globin gene arrangements and with beta zero-thalassemia. Hattori Y, et al. **Biochem Genet** 1986 Oct;24(9–10):669–81

Linkage of Pep-2 and Apk on mouse chromosome 10. Womack JE, et al. **Biochem Genet** 1986 Oct;24(9–10):721–7

Linkage of the preimplantation-embryo-development (Ped) gene to the mouse major histocompatibility complex (MHC). Warner CM, et al. **Biol Reprod** 1987 Apr; 36(3):606–10

Log-linear models for linked loci. Weir BS, et al. **Biometrics** 1986 Sep;42(3):665–70

Diagnosis of genetic disease by linkage analysis. Cann HM, et al. **Birth Defects** 1987;23(2):33–60 (32 ref.)

Chromosomal assignment of human cytochrome P-450 (debrisoquine/sparteine type) to chromosome 22. Eichelbaum M, et al. **Br J Clin Pharmacol** 1987 Apr; 23(4):455–8

Test for linkage between the eumelanin restrictor (Db) and the eumelanin extension (Ml) genes in the domestic fowl. Carefoot WC. **Br Poult Sci** 1987 Mar;28(1):69–73

Relative positions of the loci of the peacomb (P), eumelanin restrictor (Db), eumelanin extension (Ml) and plumage pattern (Pg) genes of the domestic fowl. Carefoot WC. **Br Poult Sci** 1987 Jun;28(2):347–50

X-linked hydrocephalus. Kuzniecky RI, et al. **Can J Neurol Sci** 1986 Nov;13(4):344–6

Hereditary melanoma, the dysplastic nevus syndrome, and transferrin. Bale SJ, et al. **Cancer Genet Cytogenet** 1986 Nov;23(3):279–80

Linkage analysis of multiple endocrine neoplasia type 2A (MEN-2A) and three DNA markers on chromosome 20: evidence against synteny. Farrer LA, et al. **Cancer Genet Cytogenet** 1987 Aug;27(2):327–34

Genetic linkage of von Recklinghausen neurofibromatosis to the nerve growth factor receptor gene. Seizinger BR, et al. **Cell** 1987 Jun 5;49(5):589–94

A histidine-rich protein gene marks a linkage group favored strongly in a genetic cross of Plasmodium falciparum. Wellems TE, et al. **Cell** 1987 Jun 5;49(5):633–42

X-linked retinoschisis is closely linked to DXS41 and DXS16 but not DXS85. Alitalo T, et al. **Clin Genet** 1987 Sep; 32(3):192–5

Genetic heterogeneity in X-linked agammaglobulinemia complicates carrier detection and prenatal diagnosis. Mensink EJ, et al. **Clin Genet** 1987 Feb;31(2):91–6

Choroideremia: close linkage to DXYS1 and DXYS12 demonstrated by segregation analysis and historical-genealogical evidence. Sankila EM, et al. **Clin Genet** 1987 May;31(5):315–22

X-linked mesangiocapillary glomerulonephritis. Stutchfield PR, et al. **Clin Nephrol** 1986 Sep;26(3):150–6

Molecular analysis of human X-linked diseases. Davies KE, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:337–43

Construction of human genetic linkage maps: II. Methodological issues. Lalouel JM, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:39–47

Mapping complex genetic traits in humans: new methods using a complete RFLP linkage map. Lander ES, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:49–62

Assignment of the GM-CSF, CSF-1, and FMS genes to human chromosome 5 provides evidence for linkage of a family of genes regulating hematopoiesis and for their involvement in the deletion (5q) in myeloid disorders. Le Beau MM, et al. **Cold Spring Harbor Symp Quant Biol** 1986; 51 Pt 2:899–909

Genetic mapping of the human X chromosome: linkage analysis of the q26–q28 region that includes the fragile X locus and isolation of expressed sequences. Mandel JL, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:195–203

The pseudoautosomal region of the human sex chromosomes. Rouyer F, et al. **Cold Spring Harbor Symp Quant Biol** 1986; 51 Pt 1:221–8

Construction of human genetic linkage maps: I. Progress and perspectives. White R, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:29–38

A new human RFLP identified by 7D2 places D13S10 proximal to esterase D. Bowcock AM, et al. **Cytogenet Cell Genet** 1987;44(4):236–7

Localisation of a sequence, 7C22, showing close linkage to the cystic fibrosis locus. Buckle VJ, et al. **Cytogenet Cell Genet** 1987;44(1):41–2

Exclusion of linkage of loci on chromosome 19 with multiple endocrine neoplasia, type 2. Carter C, et al. **Cytogenet Cell Genet** 1987;45(1):33–7

Tuberous sclerosis: analysis of linkage to red cell and plasma protein markers. Connor JM, et al. **Cytogenet Cell Genet** 1987;44(1):63–4

The rat vitamin D binding protein (Gc-globulin) gene is syntenic with the rat albumin and alpha-fetoprotein genes on chromosome 14. Cooke NE, et al. **Cytogenet Cell Genet** 1987;44(2–3):98–100

Re-evaluation of the sublocalization of esterase D and its relation to the retinoblastoma locus by in situ hybridization. Duncan AM, et al. **Cytogenet Cell Genet** 1987;44(2–3):153–7

Submicroscopic interstitial deletion of the X chromosome explains a complex genetic syndrome dominated by Norrie disease. Gal A, et al. **Cytogenet Cell Genet** 1986; 42(4):219–24

Localization and linkage of three polymorphic DNA sequences on human chromosome 20. Goodfellow PJ, et al. **Cytogenet Cell Genet** 1987;44(2–3):112–7

The anonymous RFLP locus D11S16 is tightly linked to catalase on 11p. Kidd JR, et al. **Cytogenet Cell Genet** 1987; 45(1):63–4

Exclusion of close linkage between the loci for cystic fibrosis and neuropeptide Y on human chromosome 7. Meisler MH, et al. **Cytogenet Cell Genet** 1987;44(2–3):175–6

Machado-Joseph disease: linkage analysis between the loci for the disease and 18 protein markers. Myers SM, et al. **Cytogenet Cell Genet** 1986;43(3–4):226–8

Comparison of cytologic and genetic distances between long arm subtelomeric markers of human autosome 14 suggests uneven distribution of crossing-over. Purrello M, et al. **Cytogenet Cell Genet** 1987;44(1):32–40

A polymorphic human myosin heavy chain locus is linked to an anonymous single copy locus (D17S1) at 17p13. Schwartz CE, et al. **Cytogenet Cell Genet** 1986; 43(1–2):117–20

Assignment of RAS proto-oncogenes in Chinese hamsters: implications for mammalian gene linkage conservation and neoplasia. Stallings RL, et al. **Cytogenet Cell Genet** 1986; 43(1–2):2–5

Regional localization of three probes closely linked to the cystic fibrosis locus by deletion analysis. Wainwright BJ, et al. **Cytogenet Cell Genet** 1987;44(2–3):101–2

HLA in familial malignant melanoma. Boullie MC, et al. **Dermatologica** 1986;173(3):109–15

Sea urchin actin gene linkages determined by genetic segregation. Minor JE, et al. **Dev Biol** 1987 Jul;122(1):291–5

X-linked mental retardation and infantile spasms in two brothers [letter] Rugtveit J. **Dev Med Child Neurol** 1986 Aug;28(4):544–6

Linkage analysis between maturity-onset type diabetes in young people (MODY) and HLA. Fuessl HS, et al. **Diabetes Res** 1987 Apr;4(4):175–8

Close genetic and physical linkage between the murine haemopoietic growth factor genes GM-CSF and Multi-CSF (IL3). Barlow DP, et al. **EMBO J** 1987 Mar; 6(3):617–23

Differentially expressed bovine cytokeratin genes. Analysis of gene linkage and evolutionary conservation of 5'-upstream sequences. Blessing M, et al. **EMBO J** 1987 Mar;6(3):567–75

Structural analysis of the X-linked gene encoding human glucose 6-phosphate dehydrogenase. Martini G, et al. **EMBO J** 1986 Aug;5(8):1849–55

Evolutionary conserved close linkage of the c-fes/fps proto-oncogene and genetic sequences encoding a receptor-like protein. Roebroek AJ, et al. **EMBO J** 1986 Sep;5(9):2197–202

X-linked centronuclear myopathy as a cause of floppy baby. Donders G, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jan;24(1):33–8

Increased chloride efflux in fibroblasts from X-linked muscular dystrophies and clones from Duchenne carriers. Rugolo M, et al. **FEBS Lett** 1987 Feb 23;212(2):313–6

Prediction of X-linked recessive ichthyosis due to placental sulfatase deficiency. A case report. Meyer JC, et al. **G Ital Dermatol Venereol** 1987 Jun;122(6):285–8

High-level, heat-regulated synthesis of proteins in eukaryotic cells. Dreano M, et al. **Gene** 1986;49(1):1–8

Genetic epidemiology: applications and comparisons of methods. Proceedings of Genetic Analysis Workshop IV. Snowbird, Utah, October 5–7, 1985. **Genet Epidemiol** 1986; Suppl 1:1–406

Linkage and segregation analyses of apolipoproteins A1 and B, and lipoprotein cholesterol levels in a large pedigree with excess coronary heart disease: the Bogalusa Heart Study. Amos CI, et al. **Genet Epidemiol** 1987;4(2):115–28

Prevalence and associations of apolipoprotein A-I linked DNA polymorphisms: results from a population study. Anderson RA, et al. **Genet Epidemiol** 1986;3(6):385–97

Two-point versus multipoint linkage analysis: a statistical view. Aston CE, et al. **Genet Epidemiol** 1986;Suppl 1:113–6

Strategies for efficient linkage analysis: example of Huntington's disease pedigrees. Bishop DT, et al. **Genet Epidemiol** 1986;Suppl 1:217–22

Segregation and linkage analysis of breast cancer in the Dutch and Utah families. Cannon LA, et al. **Genet Epidemiol** 1986;Suppl 1:43–8

Etiological heterogeneity in Hodgkin's disease: HLA linked and unlinked determinants of susceptibility independent of histological concordance. Chakravarti A, et al. **Genet Epidemiol** 1986;3(6):407–15

Multipoint linkage analysis of spinocerebellar ataxia and markers on chromosome 6. Haines JL, et al. **Genet Epidemiol** 1986;3(6):399–405

Linkage analysis and multi-point mapping of 11p markers. Marazita ML, et al. **Genet Epidemiol** 1986;Suppl 1:159–64

Goodness-of-fit tests for locus order in three-point mapping. Ott J, et al. **Genet Epidemiol** 1987;4(1):51–7

Linkage probability and its approximate confidence interval under possible heterogeneity. Ott J. **Genet Epidemiol** 1986; Suppl 1:251–7

A scoring method for multi-point linkage analysis: application to the Utah 11-p data. Thompson EA. **Genet Epidemiol** 1986;Suppl 1:171–6

A sex-linked enzyme in a reptile--association with a recent centric fusion in the common lizard. Goux JM, et al. **Genet Res** 1986 Aug;48(1):21–5

A chromosomal segment conserved since divergence of lineages leading to man and mouse: the gene order of aminoacylase-1, transferrin, and beta-galactosidase on mouse chromosome 9. Nadeau JH. **Genet Res** 1986 Dec; 48(3):175–8

Linkage relationships reflecting ancestral tetraploidy in salmonid fish. Johnson KR, et al. **Genetics** 1987 Aug; 116(4):579–91

Disequilibrium pattern analysis. II. Application to Danish HLA A and B locus data. Klitz W, et al. **Genetics** 1987 Aug;116(4):633–43

Polymorphism and linkage of the alpha A-crystallin gene in t-haplotypes of the mouse. Skow LC, et al. **Genetics** 1987 May;116(1):107–11

Disequilibrium pattern analysis. I. Theory. Thomson G, et al. **Genetics** 1987 Aug;116(4):623–32

Segregation distortion of X-linked marker genes in interspecific crosses between Mus musculus and M. spretus. Biddle FG. **Genome** 1987 Apr;29(2):389–92

Expression, inheritance, and linkage relationships among eight enzyme genes in Dermacentor albipictus (Packard) (Acarina: Ixodidae). Hilburn LR, et al. **Genome** 1987 Apr; 29(2):253–6

Severe neonatal centronuclear (myotubular) myopathy: an X-linked recessive disorder. Bucher HU, et al. **Helv Paediatr Acta** 1986 Oct;41(4):291–300

Metacarpal measurements in X-linked hypophosphataemic rickets. Herweijer TJ, et al. **Helv Paediatr Acta** 1986 Oct; 41(4):331–8

The effects of linkage and density-dependent regulation on gene flow. Barton NH. **Heredity (Edinburgh)** 1986 Dec;57 (Pt 3):415–26

Location of an X-linked factor causing sterility in male hybrids of Drosophila simulans and D. mauritiana. Coyne JA, et al. **Heredity (Edinburgh)** 1986 Oct;57 (Pt 2):243–6

Gene frequency clines at X-linked or haplodiploid loci. Owen RE. **Heredity (Edinburgh)** 1986 Oct;57 (Pt 2):209–19

Estimation of the true additive genetic variance sigma ki = 1 d2i in the presence of linkage disequilibrium. Pooni HS, et al. **Heredity (Edinburgh)** 1986 Dec;57 (Pt 3):341–4

Cytological, linkage and insecticide studies on a genetic sexing line in Anopheles stephensi Liston. Robinson AS, et al. **Heredity (Edinburgh)** 1987 Feb;58 (Pt 1):95–101

X-chromosomally inherited split-hand/split-foot anomaly in a Pakistani kindred. Ahmad M, et al. **Hum Genet** 1987 Feb; 75(2):169–73

Ten families with fragile X syndrome: linkage relationships with four DNA probes from distal Xq. Buchanan JA, et al. **Hum Genet** 1987 Jun;76(2):165–72

A hypervariable region at the D19S11 locus. Buroker NE, et al. **Hum Genet** 1987 May;76(1):90–5

Exclusion of the Friedreich ataxia gene from chromosome 19. Chamberlain S, et al. **Hum Genet** 1987 Jun;76(2):186–90

Genetic linkage between X-linked retinitis pigmentosa and DNA probe DXS7 (L1.28): further linkage data, heterogeneity testing, and risk estimation. Clayton JF, et al. **Hum Genet** 1986 Oct;74(2):168–71

An interstitial duplication of the X chromosome in a male allows physical fine mapping of probes from the Xq13–q22 region. Cremers FP, et al. **Hum Genet** 1987 Sep;77(1):23–7

DNA polymorphism related to the idiopathic hemochromatosis gene: evidence in a recombinant family. David V, et al. **Hum Genet** 1986 Oct;74(2):113–20

Localization of the gene for a syndrome of X-linked skeletal dysplasia and mental retardation to Xq27-qter. Dlouhy SR, et al. **Hum Genet** 1987 Feb;75(2):136–9

Three-point linkage analysis employing C3 and 19cen markers assigns the myotonic dystrophy gene to 19q. Friedrich U, et al. **Hum Genet** 1987 Mar;75(3):291–3

Localization of a human heat-shock HSP 70 gene sequence to chromosome 6 and detection of two other loci by somatic-cell hybrid and restriction fragment length polymorphism analysis. Goate AM, et al. **Hum Genet** 1987 Feb;75(2):123–8

A linkage study of Emery-Dreifuss muscular dystrophy. Hodgson S, et al. **Hum Genet** 1986 Dec;74(4):409–16

Congenital thyroxine binding globulin deficiency: incidence and inheritance. Jenkins MB, et al. **Hum Genet** 1987 Sep; 77(1):80–4

Genetic risk and recombination fraction--an example of non-monotonic dependency. Krawczak M. **Hum Genet** 1987 Feb;75(2):189–90

Gene localisation of X-linked hypohidrotic ectodermal dysplasia (C-S-T syndrome). MacDermot KD, et al. **Hum Genet** 1986 Oct;74(2):172–3

X-linked immunodeficiency with hyperimmunoglobulinemia M appears to be linked to the DXS42 restriction fragment

length polymorphism locus. Mensink EJ, et al. **Hum Genet** 1987 May;76(1):96–9

Localization and cloning of Xp21 deletion breakpoints involved in muscular dystrophy. Monaco AP, et al. **Hum Genet** 1987 Mar;75(3):221–7

Associations between restriction fragment length polymorphisms detected with a probe for human 21–hydroxylase (21–OH) and two clinical forms of 21–OH deficiency. Mornet E, et al. **Hum Genet** 1986 Dec; 74(4):402–8

Population data on benign and severe forms of X–linked muscular dystrophy. Mostacciuolo ML, et al. **Hum Genet** 1987 Mar;75(3):217–20

Estimation of the male to female ratio of mutation rates from the segregation of X–chromosomal DNA haplotypes in Duchenne muscular dystrophy families. Müller CR, et al. **Hum Genet** 1986 Oct;74(2):181–3

Multipoint genetic mapping of the Xq26–q28 region in families with fragile X mental retardation and in normal families reveals tight linkage of markers in q26–q27. Oberlé I, et al. **Hum Genet** 1987 Sep;77(1):60–5

Genetic hemochromatosis and HLA linkage. Powell LW, et al. **Hum Genet** 1987 Sep,77(1):55–6

A study of genetic linkage heterogeneity in adult polycystic kidney disease. Reeders ST, et al. **Hum Genet** 1987 Aug; 76(4):348–51

Lack of association and linkage between HLA and familial polyposis coli. Sasaki M, et al. **Hum Genet** 1987 Sep; 77(1):36–9

Linkage relationships and allelic associations of the cystic fibrosis locus and four marker loci. Schmidtke J, et al. **Hum Genet** 1987 Aug;76(4):337–43

Choroideremia: further evidence for assignment of the locus to Xq13–Xq21. Schwartz M, et al. **Hum Genet** 1986 Dec; 74(4):449–52

Prenatal diagnosis of cystic fibrosis using linked DNA markers and microvillar intestinal enzyme analysis. Spence JE, et al. **Hum Genet** 1987 May;76(1):5–10

Localisation of the gene for Hunter syndrome on the long arm of X chromosome. Upadhyaya M, et al. **Hum Genet** 1986 Dec;74(4):391–8

Steroid sulphatase levels are higher in males than in females of the root vole (Microtus oeconomus). Yet another rodent with an active Y–linked allele? Wiberg UH, et al. **Hum Genet** 1987 Sep;77(1):6–11

Linkage analysis with RFLPs in families with androgen resistance syndromes: evidence for close linkage between the androgen receptor locus and the DXS1 segment. Wieacker P, et al. **Hum Genet** 1987 Jul;76(3):248–52

Genetic linkage study between the loci for Duchenne and Becker muscular dystrophy and nine X–chromosomal DNA markers. Wilichowski E, et al. **Hum Genet** 1987 Jan; 75(1):32–40

Analysis of linkage relationships between genetic markers around the fragile X locus with special reference to the daughters of normal transmitting males. Winter RM, et al. **Hum Genet** 1986 Sep;74(1):93–7

Linkage analyses of multiple endocrine neoplasia, type 2A (MEN–2A) with 20 DNA polymorphisms: 5% of the genome excluded. Kidd KK, et al. **Hum Hered** 1986; 36(4):243–9

Familial X–linked centronuclear myopathy. Quinn M, et al. **Ir J Med Sci** 1986 Nov;155(11):394–6

An unusual genetic link between vitamin B6 biosynthesis and tRNA pseudouridine modification in Escherichia coli K–12. Arps PJ, et al. **J Bacteriol** 1987 Mar;169(3):1071–9

The cellular retinol binding protein II gene. Sequence analysis of the rat gene, chromosomal localization in mice and humans, and documentation of its close linkage to the cellular retinol binding protein gene. Demmer LA, et al. **J Biol Chem** 1987 Feb 25;262(6):2458–67

Linkage, evolution, and expression of the rat apolipoprotein A–I, C–III, and A–IV genes. Haddad IA, et al. **J Biol Chem** 1986 Oct 5;261(28):13268–77

Analysis of the tissue–specific expression, developmental regulation, and linkage relationships of a rodent gene encoding heart fatty acid binding protein. Heuckeroth RO, et al. **J Biol Chem** 1987 Jul 15;262(20):9709–17

Ovoinhibitor introns specify functional domains as in the related and linked ovomucoid gene. Scott MJ, et al. **J Biol Chem** 1987 Apr 25;262(12):5899–907

Variation of the human secondary sex ratio and lethal recessive X–linked mutations. Astolfi P, et al. **J Biosoc Sci** 1987 Jul;19(3):283–94

Osteogenesis imperfecta type IV. Biochemical confirmation of genetic linkage to the pro alpha 2(I) gene of type I collagen. Wenstrup RJ, et al. **J Clin Invest** 1986 Dec; 78(6):1449–55

Mandibular–morphogenesis gene linked to the H–2 complex in mice. Bailey DW. **J Craniofac Genet Dev Biol [Suppl]** 1986;2:33–9

Major genes that cause cleft lip in mice: progress in the construction of a congenic strain and in linkage mapping. Juriloff DM. **J Craniofac Genet Dev Biol [Suppl]** 1986; 2:55–66

Tight genetic linkage of a glucosyltransferase and dextranase of Streptococcus mutans GS–5. Burne RA, et al. **J Dent Res** 1986 Dec;65(12):1392–401

Decay–accelerating factor. Genetic polymorphism and linkage to the RCA (regulator of complement activation) gene cluster in humans. Rey–Campos J, et al. **J Exp Med** 1987 Jul 1;166(1):246–52

Equine linkage group II: phase conservation of To with AlB and GcS. Bowling AT. **J Hered** 1987 Jul–Aug;78(4):248–50

Inheritance and linkage of isozyme variants in incense–cedar. Harry DE. **J Hered** 1986 Jul–Aug;77(4):261–6

The sex–linked black cat fallacy: a textbook case. Miller WJ, et al. **J Hered** 1986 Nov–Dec;77(6):463–4

Chromosomal mapping of beta–globin and albino loci in the domestic cat. A conserved mammalian chromosome group. O'Brien SJ, et al. **J Hered** 1986 Nov–Dec;77(6):374–8

Breakpoint distribution in male–linked translocations in Anopheles stephensi Liston. Robinson AS, et al. **J Hered** 1986 Nov–Dec;77(6):394–8

Linkage of albino and hemoglobin beta–chain loci in the rabbit. Sandberg K, et al. **J Hered** 1987 Mar–Apr; 78(2):124–5

The dynamics of interlocus associations in the three–locus hitchhiking model. 2. The pairwise linkage disequilibrium between two neutral loci. Asmussen MA. **J Math Biol** 1986; 24(4):361–80

Linkage relationships between a low–mobility esterase locus and group I markers in larvae of the yellow fever mosquito, Aedes aegypti (Diptera: Culicidae). Field WN, et al. **J Med Entomol** 1987 Jul;24(4):512–4

The application of linkage analysis to genetic counselling in families with Duchenne or Becker muscular dystrophy. Hodgson S, et al. **J Med Genet** 1987 Mar;24(3):152–9

Incontinentia pigmenti in a boy with Klinefelter's syndrome. Ormerod AD, et al. **J Med Genet** 1987 Jul;24(7):439–41

Localisation of the gene for Emery–Dreifuss muscular dystrophy to the distal long arm of the X chromosome. Thomas NS, et al. **J Med Genet** 1986 Dec;23(6):596–8

Linkage analysis of polymorphisms within the DNA fragment XJ cloned from the breakpoint of an X;21 translocation associated with X linked muscular dystrophy. Thompson MW, et al. **J Med Genet** 1986 Dec;23(6):548–55

The fragile X syndrome in a large family. III. Investigations on linkage of flanking DNA markers with the fragile site Xq27. Veenema H, et al. **J Med Genet** 1987 Jul;24(7):413–21

A model system for the analysis of gene exclusion: cystic fibrosis and chromosome 19. Wainwright B, et al. **J Med Genet** 1986 Oct;23(5):417–20

Linkage studies in Duchenne and Becker muscular dystrophies. Walker A, et al. **J Med Genet** 1986 Dec; 23(6):538–47

Linkage studies in a pedigree with Van der Woude syndrome. Wienker TF, et al. **J Med Genet** 1987 Mar;24(3):160–2

Emery–Dreifuss muscular dystrophy: localisation to Xq27.3——qter confirmed by linkage to the factor VIII gene. Yates JR, et al. **J Med Genet** 1986 Dec;23(6):587–90

Nucleotide sequence of the goat embryonic alpha globin gene (zeta) and linkage and evolutionary analysis of the complete alpha globin cluster. Wernke SM, et al. **J Mol Biol** 1986 Dec 5;192(3):457–71

Atypical form of X–linked proximal pseudohypertrophic muscular dystrophy. Spiegler AW, et al. **J Neurol** 1987 Apr;234(3):163–71

Neurological involvement in X–linked hypophosphataemic rickets. Bradbury PG, et al. **J Neurol Neurosurg Psychiatry** 1987 Jun;50(6):810–2

X–linked bulbo–spinal neuronopathy: a family study of three patients. Wilde J, et al. **J Neurol Neurosurg Psychiatry** 1987 Mar;50(3):279–84

Assessing the role of X–linked inheritance in bipolar–related major affective disorder. Risch N, et al. **J Psychiatr Res** 1986;20(4):275–88

Absence of HLA linkage in familial hypogonadotropic hypogonadism. Milwidsky A, et al. **J Reprod Med** 1987 Feb;32(2):96–8

Pacemaker treated women with heart block have no increase in the frequency of HLA–B27 and associated rheumatic disorders in contrast to men—a sex linked difference in disease susceptibility. Bergfeldt L, et al. **J Rheumatol** 1986 Oct;13(5):941–3

Identification of two forms of an endogenous murine retroviral env gene linked to the Rmcf locus. Buller RS, et al. **J Virol** 1987 Jan;61(1):29–34

Linkage of faded gene (fe) to chromosome 6 of the mouse. Oh YS, et al. **Jikken Dobutsu** 1987 Jan;36(1):73–7

Linkage studies on 13 biochemical loci and 2 coat color loci in a [(BN x TM) x TM] backcross progeny of the rat (Rattus norvegicus). Yamada J, et al. **Jikken Dobutsu** 1986 Oct; 35(4):511–5

RFLP for linkage analysis of fragile X syndrome [letter] Brown WT, et al. **Lancet** 1987 Jan 31;1(8527):280

Linkage analysis in manic–depressive illness [letter] Suarez BK, et al. **Lancet** 1987 Aug 8;2(8554):345–6

Differential amplification and disproportionate expression of five genes in three multidrug–resistant Chinese hamster lung cell lines. de Bruijn MH, et al. **Mol Cell Biol** 1986 Dec;6(12):4717–22

Three tightly linked genes encoding human type I keratins: conservation of sequence in the 5'–untranslated leader and 5'–upstream regions of coexpressed keratin genes. RayChaudhury A, et al. **Mol Cell Biol** 1986 Feb;6(2):539–48

4.5S RNA is encoded by hundreds of tandemly linked genes, has a short half–life, and is hydrogen bonded in vivo to poly(A)–terminated RNAs in the cytoplasm of cultured mouse cells. Schoeniger LO, et al. **Mol Cell Biol** 1986 May; 6(5):1508–19

Multidrug resistance of DNA–mediated transformants is linked to transfer of the human mdr1 gene. Shen DW, et al. **Mol Cell Biol** 1986 Nov;6(11):4039–45

Eucaryotic chromosome transfer: production of a murine–specific cosmid library from a neor–linked fragment of murine chromosome 17. Weis JH, et al. **Mol Cell Biol** 1986 Feb;6(2):441–51

Linkage of the G8 marker on chromosome 4 to Huntington's disease in a large American black family [letter] Bird TD, et al. **N Engl J Med** 1986 Oct 30;315(18):1165–6

Genetic linkage in neurologic diseases [editorial] Martin JB. **N Engl J Med** 1987 Apr 16;316(16):1018–20

Linkage of an X–chromosome cleft palate gene. Moore GE, et al. **Nature** 1987 Mar 5–11;326(6108):91–2

The genetic defect in familial Alzheimer's disease is not tightly linked to the amyloid beta–protein gene. Tanzi RE, et al. **Nature** 1987 Sep 10–16;329(6135):156–7

The autosomal dominant form of "pure" familial spastic paraplegia: clinical findings and linkage analysis of a large pedigree. Boustany RM, et al. **Neurology** 1987 Jun; 37(6):910–5

X–linked recessive inheritance of ataxia and adult–onset dementia: clinical features and preliminary linkage analysis. Farlow MR, et al. **Neurology** 1987 Apr;37(4):602–7

Localization of the gene for X–linked spinal muscular atrophy. Fischbeck KH, et al. **Neurology** 1986 Dec; 36(12):1595–8

Tight linkage of apolipoprotein C2 to myotonic dystrophy on chromosome 19. Pericak–Vance MA, et al. **Neurology** 1986 Nov;36(11):1418–23

Hereditary motor and sensory neuropathy, X–linked: a half century follow–up. Rozear MP, et al. **Neurology** 1987 Sep; 37(9):1460–5

Infantile X–linked ataxia and deafness: a new clinicopathologic entity? Schmidley JW, et al. **Neurology** 1987 Aug;37(8):1344–9

Tight linkage of glnA and a putative regulatory gene in Rhizobium leguminosarum. Colonna–Romano S, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):1951–64

Mouse histone H2A and H2B genes: four functional genes and a pseudogene undergoing gene conversion with a closely linked functional gene. Liu TJ, et al. **Nucleic Acids Res** 1987 Apr 10;15(7):3023–39

Linkage of tyrosine hydroxylase to four other markers on the short arm of chromosome 11. Moss PA, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):9927–32

Human cardiac myosin heavy chain genes and their linkage in the genome. Saez LJ, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5443–59

Genomic analysis I: inheritance units and genetic selection in the rapid discovery of locus linked DNA markers. Sanda AI, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7265–83

Isolation of a polymorphic DNA sequence pJSB11 (D19S16) from the human chromosome 19cen–q13.2 region linked to the myotonic dystrophy (DM) gene. Schepens J, et al. **Nucleic Acids Res** 1987 Apr 10;15(7):3192

A locus at 19cen–19q13.2 (D19S15) containing three RFLPs linked to myotonic dystrophy (DM) is recognized by probe pJSB6. Schepens J, et al. **Nucleic Acids Res** 1987 Apr 10; 15(7):3193

Linkage arrangement in the vitellogenin gene family of Xenopus laevis as revealed by gene segregation analysis. Schubiger JL, et al. **Nucleic Acids Res** 1986 Nov 25; 14(22):8723–34

Placental sulfatase deficiency: maternal and fetal expression of steroid sulfatase deficiency and X–linked ichthyosis. Bradshaw KD, et al. **Obstet Gynecol Surv** 1986 Jul; 41(7):401–13 (98 ref.)

A genetic linkage study of choroideremia. Jay M, et al. **Ophthalmic Paediatr Genet** 1986 Dec;7(3):201–4

Studies of the pirouette mutation. 1. Lack of linkage association with marked regions of chromosomes 1 and 2. Bitgood JJ, et al. **Poult Sci** 1987 Jan;66(1):38–40

Studies of the pirouette mutation. 2. A detrimental phenotypic interaction with naked neck. Bitgood JJ, et al. **Poult Sci** 1987 Jan;66(1):166–7

Peroxisomal beta–oxidation enzyme proteins in adrenoleukodystrophy: distinction between X–linked adrenoleukodystrophy and neonatal adrenoleukodystrophy. Chen WW, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1425–8

Tandem linkage and unusual RNA splicing of the T–cell receptor beta–chain variable–region genes. Chou HS, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1992–6

Construction of multilocus genetic linkage maps in humans. Lander ES, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2363–7

A locus for a human hereditary cataract is closely linked to the gamma–crystallin gene family. Lubsen NH, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):489–92

Linkage of the Wiskott–Aldrich syndrome with polymorphic DNA sequences from the human X chromosome. Peacocke M, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3430–3

The congenital goiter mutation is linked to the thyroglobulin gene in the mouse. Taylor BA, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1986–90

Nonrandom allele associations between unlinked protein loci: are the polymorphisms of the immunoglobulin constant regions adaptive? van der Loo W, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):3075–9

A study of genetic linkage in schizophrenia. Andrew B, et al. **Psychol Med** 1987 May;17(2):363–70

Hereditary X–linked retinoschisis and bilateral congenital retinal detachment. Laatikainen L, et al. **Retina** 1987 Spring;7(1):24–7

Linkage disequilibrium between a marker on the LDL receptor and high cholesterol levels [letter] Bissbort S, et al. **S Afr Med J** 1987 Jan 24;71(2):124

Cytochrome b and FAD content in polymorphonuclear leucocytes in a family with X-linked chronic granulomatous disease. Riccardi S, et al. **Scand J Haematol** 1986 Oct;37(4):333–6

Significant lone daughters and mutations in sex linkage risk estimations—a comprehensive computer programme. Sit KH, et al. **Singapore Med J** 1986 Oct;27(5):374–83

Three functional ribosomal protein genes are unlinked in mouse genome. Wiedemann LM, et al. **Somatic Cell Mol Genet** 1987 Jan;13(1):77–80

Reduction of neutral gene flow due to the partial sterility of heterozygotes for a linked chromosome mutation. Spirito F, et al. **Theor Popul Biol** 1987 Apr;31(2):323–38

Linkage disequilibrium involving three loci. Green J, et al. **Tissue Antigens** 1987 Jan;29(1):18–20

Lack of linkage between HLA and multiple endocrine neoplasia type 2 in a French family. Perrier P, et al. **Tissue Antigens** 1987 Jan;29(1):13–7

A study of genetic linkage heterogeneity in adult polycystic kidney disease. Reeders ST, et al. **Trans Assoc Am Physicians** 1986;99:154–60

[A study on tuberculosis associated with HLA] An JB. **Chung Hua Chieh Ho He Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Oct;9(5):260–3, 317 (Eng. Abstr.) **(Chi)**

[Linkage between HLA and the susceptibility gene of psoriasis] Sun YP. **Chung Hua I Hsueh Tsa Chih** 1986 Oct; 66(10):600–4 (Eng. Abstr.) **(Chi)**

[Sex-linked juvenile retinoschisis. Study of a family over 3 generations] Vallat M, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1327–30 **(Fre)**

[Neuroendocrine syndrome: pseudomyopathic spinal amyotrophy with gynecomastia related to the X chromosome. Kennedy's syndrome. 3 cases] Serratrice G, et al. **Presse Med** 1987 Feb 21;16(6):299–302 (Eng. Abstr.) **(Fre)**

[X-linked lymphoproliferative disorder (Duncan's syndrome). 2 possible clinical cases] Aricò M, et al. **Minerva Pediatr** 1987 May 15;39(9):377–83 (Eng. Abstr.) **(Ita)**

[Linkage analysis and highly polymorphic DNA markers] Nakamura Y. **Tanpakushitsu Kakusan Koso** 1986 Oct; 31(13):1354–69 (54 ref.) **(Jpn)**

[The lack of ability of carcinogens and non-carcinogenic analogs to induce sex-linked recessive lethals in Drosophila melanogaster] Baklanova-Elkina EIu, et al. **Genetika** 1987 Feb;23(2):378–80 (Eng. Abstr.) **(Rus)**

[Chromosome characteristics of X-linked mental retardation. II. Autosomes] Bedel'baeva KhA, et al. **Genetika** 1987 Mar; 23(3):510–20 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

[Delayed disruption of the telomeric links between chromosomes in experimentally induced cells with micronuclei exposed to 5-bromodeoxyuridine in the 1st S period after colcemid administration] Stobetskiĭ VI, et al. **Tsitologiia** 1987 Jun;29(6):724–7 (Eng. Abstr.) **(Rus)**

LINOLEIC ACIDS

Effects of lipophilic derivatives of L-ascorbic acid and dehydro-L-ascorbic acid on the peroxidation of linoleic acid in neutral phosphate buffer containing alcohol. Takagi M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Aug; 32(4):389–94

ADMINISTRATION & DOSAGE

Influence of dietary linoleic acid on leucocyte sodium transport and blood pressure [letter] Ng LL, et al. **Br Med J [Clin Res]** 1986 Sep 6;293(6547):629

Effect of dietary linoleate content on the metabolic response of rats to Escherichia coli endotoxin. Wan JM, et al. **Clin Sci** 1987 Mar;72(3):383–5

Effects of parenteral nutrition with high doses of linoleate on the developing human liver and brain. Martínez M, et al. **Lipids** 1987 Mar;22(3):133–8

Effects of variable linoleate intake on aortic PGI2-like activity and fatty acid composition: difference between rat and marmoset (Callithrix jacchus). Abeywardena MY, et al. **Prostaglandins Leukotrienes Med** 1986 Dec; 25(2–3):209–21

Circadian rhythm of eicosanoid formation as affected by dietary linoleate. Hoffmann P, et al. **Prostaglandins Leukotrienes Med** 1986 Dec;25(2–3):91–103

[Effect of diets with different linoleic acid levels on the aggregation of thrombocytes, their sensitivity to calcium and microviscosity of the thrombocyte membrane in rats] Pinelis VG, et al. **Biull Eksp Biol Med** 1987 Aug; 104(8):160–2 **(Rus)**

ANALYSIS

Recognition of cervical neoplasia by the estimation of a free-radical reaction product (octadeca-9,11-dienoic acid) in biopsy material. Griffin JF, et al. **Clin Chim Acta** 1987 Mar 16;163(2):143–8

Recognition of cervical neoplasia by the estimation of a free-radical reaction product (octadeca-9,11-dienoic acid) in exfoliated cells. Tay SK, et al. **Clin Chim Acta** 1987 Mar 16;163(2):149–52

Quantitative determination of linoleic acid in infant formulas by gas chromatography. Lee TW. **J Assoc Off Anal Chem** 1987 Jul–Aug;70(4):702–5

Detection of olive oil adulteration with linoleic acid-rich oils by reversed-phase high-performance liquid chromatography. Kapoulas VM, et al. **J Chromatogr** 1986 Sep 24;366:311–20

BIOSYNTHESIS

Cyclooxygenase-catalyzed formation of 9-hydroxylinoleic acid by guinea pig alveolar macrophages under non-stimulated conditions. Engels F, et al. **FEBS Lett** 1986 Dec 15;209(2):249–53

BLOOD

Serum octadeca-9-11 dienoic acid concentrations in primary biliary cirrhosis [letter] Braganza JM, et al. **Lancet** 1987 Apr 25;1(8539):987

Increased free-radical activity during haemodialysis? Maher ER, et al. **Nephrol Dial Transplant** 1987;2(3):169–71

METABOLISM

Absorption and lymphatic transport of exogenous and endogenous arachidonic and linoleic acid in the rat. Nilsson A, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):G817–24

In vivo distribution of linoleic acid in hairless rat skin following topical administration. Roguet R, et al. **Arch Dermatol Res** 1986;278(6):503–6

Effect of cyproterone acetate-ethinyl estradiol treatment on the proportions of linoleic and sebaleic acids in various skin surface lipid classes. Stewart ME, et al. **Arch Dermatol Res** 1986;278(6):481–5

A search for oxygen-centered free radicals in the lipoxygenase/linoleic acid system. Connor HD, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):614–21

Interference of retinoic acid binding to its binding protein by omega-6 fatty acids. Sani BP, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):25–30

Increased 13-hydroxyoctadecadienoic acid content in lipopolysaccharide stimulated macrophages. Schade UF, et al. **Biochem Biophys Res Commun** 1987 Sep 15; 147(2):695–700

Metabolism of cis-12-octadecenoic acid and trans-9,trans-12-octadecadienoic acid and their influence on lipogenic enzyme activities in mouse liver. Emken EA, et al. **Biochim Biophys Acta** 1987 Jun 2;919(2):111–21

Apparent in vivo retroconversion of dietary arachidonic to linoleic acid in essential fatty acid-deficient rats. Hansen HS, et al. **Biochim Biophys Acta** 1986 Sep 12;878(2):284–7

The effect of orally administered secondary autoxidation products of linoleic acid on the activity of detoxifying enzymes in the rat liver. Kanazawa K, et al. **Biochim Biophys Acta** 1986 Oct 24;879(1):36–43

Conversion of linoleic acid and arachidonic acid by skin epidermal lipoxygenases. Nugteren DH, et al. **Biochim Biophys Acta** 1987 Sep 4;921(1):135–41

Linoleate metabolites enhance the in vitro proliferative response of mouse mammary epithelial cells to epidermal growth factor. Bandyopadhyay GK, et al. **J Biol Chem** 1987 Feb 25;262(6):2750–6

Dilutional effect of increased sebaceous gland activity on the proportion of linoleic acid in sebaceous wax esters and in epidermal acylceramides. Stewart ME, et al. **J Invest Dermatol** 1986 Dec;87(6):733–6

Hydrolysis of chylomicron arachidonate and linoleate ester bonds by lipoprotein lipase and hepatic lipase. Nilsson A, et al. **J Lipid Res** 1987 May;28(5):510–7

Capacity of the European eel (Anguilla anguilla) to elongate and desaturate dietary linoleic acid. Kissil GW, et al. **J Nutr** 1987 Aug;117(8):1379–84

Fluorescence formation and heme degradation at different stages of lipid peroxidation. Iio T, et al. **Life Sci** 1987 Jun 15;40(24):2297–302

Metabolism in humans of cis-12,trans-15-octadecadienoic acid relative to palmitic, stearic, oleic and linoleic acids. Emken EA, et al. **Lipids** 1987 Jul;22(7):495–504

The influence of dietary manipulation with n-3 and n-6 fatty acids on liver and plasma phospholipid fatty acids in rats. Nassar BA, et al. **Lipids** 1986 Oct;21(10):652–6

Effect of age on the linoleate content of skin acylglucosylceramide in mice. **Nutr Rev** 1986 Nov; 44(11):372–3

Output of triglyceride from the sebaceous gland and to the skin surface of cattle. McMaster JD, et al. **Res Vet Sci** 1986 Sep;41(2):242–6

[Chronologic studies of the effects of a hypoproteinic diet followed by an equilibrated diet on delta-6 and delta-5 desaturations of linoleic acid in liver microsomes in the rat] Narce M, et al. **Arch Int Physiol Biochim** 1986 Jun; 94(2):107–20 (Eng. Abstr.) **(Fre)**

[Specificity in the accumulation of fatty acids in adipose tissue of mammals] Martínez-Conde A, et al. **Rev Esp Fisiol** 1986 Sep;42(3):365–70 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

A high linoleic acid diet diminishes enhanced intestinal uptake of sugars in diabetic rats. Thomson AB, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):G262–71

Dietary linoleate increases fluidity and influences chemical composition of plasma low density lipoprotein in adult men. Berlin E, et al. **Atherosclerosis** 1987 Aug;66(3):215–25

Long-term effects of a linoleic acid-enriched diet, changes in body weight and alcohol consumption on serum total and HDL-cholesterol. Kromhout D, et al. **Atherosclerosis** 1987 Jul;66(1–2):99–105

13-Hydroxyoctadecadienoic acid (13-HODE) stimulates prostacyclin production by endothelial cells. Setty BN, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):502–9

The effect of linoleic acid on the sensitivity of human lymphocytes to cortisol and their capacity to catabolize the steroid. Klein A, et al. **Biochem Cell Biol** 1987 May; 65(5):409–13

NADPH- and linoleic acid hydroperoxide-induced lipid peroxidation and destruction of cytochrome P-450 in hepatic microsomes. Iba MM, et al. **Biochem Pharmacol** 1987 May 1;36(9):1447–55

Cardiovascular actions of dihydralazine as modified by dietary linoleic acid. Hoffmann P, et al. **Biomed Biochim Acta** 1986;45(8):1057–67

Stimulation of hematopoiesis and bone marrow suppressor cells by the subcutaneous injection of linoleic acid. Young MR, et al. **Cell Immunol** 1987 Jun;107(1):238–48

Inhibitory effect of melinamide on cholesterol solubility in mixed micellar solution of sodium taurocholate. Nakajima T, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4273–9

Protection of the gastric mucosa by linoleic acid—a nutrient essential fatty acid. Tarnawski A, et al. **Clin Invest Med** 1987 May;10(3):132–5

Influence of different dietary concentrations of linoleic acid on the essential fatty acid (EFA) status and functional characteristics of porcine hepatic and cardiac mitochondria. Christensen K. **Comp Biochem Physiol [B]** 1986;85(2):419–25

Effects of linoleic acid and cations on the activity of a novel high-molecular weight protease, ingensin, from human placenta. Ishiura S, et al. **Int J Biochem** 1986;18(9):765–9

Effect of linoleic and oleic acids on blood pressure, blood viscosity, and erythrocyte cation transport. Sacks FM, et al. **J Am Coll Nutr** 1987 Apr;6(2):179–85

Diets varying in linoleic and linolenic acid content alter liver plasma membrane lipid composition and glucagon-stimulated adenylate cyclase activity. Morson LA, et al. **J Nutr** 1986 Dec;116(12):2355–62

Effect of maternal dietary linoleic acid and trans-octadecenoic acid on the fatty acid composition and prostaglandin content of rat milk. Wickwire MA, et al. **J Nutr** 1987 Feb;117(2):232–41

Effect of autoxidized linoleic acid on the contents of cytochrome P-450 and cytochrome b5, and drug-metabolizing enzyme activities in rat liver. Hiramatsu N, et al. **J Nutr Sci Vitaminol (Tokyo)** 1987 Feb;33(1):37–48

Mechanism of the inhibition of cholesterol absorption by DL-melinamide: inhibition of cholesterol esterification. Natori K, et al. **Jpn J Pharmacol** 1986 Dec;42(4):517–23

Leukotoxin, 9, 10-epoxy-12-octadecenoate, causes cardiac failure in dogs. Sugiyama S, et al. **Life Sci** 1987 Jan 19; 40(3):225–31

Efficacy of linoleic acid administered rectally as monoglyceride. Christophe A, et al. **Lipids** 1987 May; 22(5):328–32

Effect of parenteral linoleate on fatty acid composition of infant brain and liver. **Nutr Rev** 1987 Aug;45(8):232–4 (12 ref.)

Metabolic response of polymorphonuclear leukocyte to arachidonic and linoleic acids. Sato E, et al. **Physiol Chem Phys Med NMR** 1986;18(2):79–87

Fat and endocrine-responsive cancer in animals. Cohen LA. **Prev Med** 1987 Jul;16(4):468–74

Effects of dietary linoleic acid on blood pressure and renal function in subtotally nephrectomized rats. Izumi Y, et al. **Proc Soc Exp Biol Med** 1986 Nov;183(2):193–8

[Effect of glycine linoleamide on thermoregulation in mice and rats] Vamvakidès A. **Agressologie** 1986 Feb;27(2):127–9 **(Fre)**

[Effect of GABA-linoleamide and glycine-linoleamide on catalepsy in the rat after chronic administration of reserpine] Vamvakidès A. **Agressologie** 1986 Nov; 27(10):835–7 (Eng. Abstr.) **(Fre)**

[Synthesis and pharmacological study of glycine linoleamide] Vamvakidès A. **Ann Pharm Fr** 1986;44(2):145–55 (Eng. Abstr.) **(Fre)**

[Effect of GABA-linoleamide and glycine linoleamide on pentamethylenetetrazole convulsions] Vamvakidès A. **J Pharmacol** 1986 Jul–Sep;17(3):323–7 (Eng. Abstr.) **(Fre)**

[Polyunsaturated fatty acids (omega-6) in tissues: variations induced by supplementation with linoleic acid and alloxan] Caponnetto A, et al. **Boll Soc Ital Biol Sper** 1986 Jun 30; 62(6):771–6 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

High content of dietary linoleic acid does not reduce platelet reactivity in patients with hyperlipoproteinaemia [letter] Mikhailidis DP, et al. **Eur J Clin Invest** 1987 Feb;17(1):92–3

Fat induced hypertension in rabbits: the effects of dietary linoleic and linolenic acid. Bursztyn PG, et al. **J Hypertens** 1986 Dec;4(6):699–702

The role of lipid in the management of methylmalonic acidaemia: administration of linoleic acid does not increase excretion of methylmalonic acid. Wolff JA, et al. **J Inherited Metab Dis** 1985;8(3):100

[Effect of glycine linoleamide on haloperidol and reserpine

catalepsy in the rat] Vamvakidès A. **Agressologie** 1986 May; 27(6):481–3 (Eng. Abstr.) **(Fre)**

TOXICITY

[Correlation of the membrane and genetic effects of lipid peroxidation] Polivoda BI, et al. **Radiobiologiia** 1986 Nov–Dec;26(6):803–5 (Eng. Abstr.) **(Rus)**

LINOLENIC ACIDS

ANALYSIS

Characterization of the seed and leaf lipids of high and low linolenic acid flax genotypes. Tonnet ML, et al. **Arch Biochem Biophys** 1987 Feb 1;252(2):646–54

Linoleic and eicosapentaenoic acids in adipose tissue and platelets and risk of coronary heart disease. Wood DA, et al. **Lancet** 1987 Jan 24;1(8526):177–83

BIOSYNTHESIS

Biosynthesis of gamma-linolenic acid in cotyledons and microsomal preparations of the developing seeds of common borage (Borago officinalis). Stymne S, et al. **Biochem J** 1986 Dec 1;240(2):385–93

DEFICIENCY

Alpha-linolenic acid deficiency in patients on long-term gastric-tube feeding: estimation of linolenic acid and long-chain unsaturated n-3 fatty acid requirement in man. Bjerve KS, et al. **Am J Clin Nutr** 1987 Jan;45(1):66–77

Alpha-linolenic acid deficiency in adult women. Bjerve KS. **Nutr Rev** 1987 Jan;45(1):15–9

Dietary alpha-linolenic acid deficiency in the rat. I. Effects on reproduction and postnatal growth. Guesnet P, et al. **Reprod Nutr Dev** 1986;26(4):969–85

[Essential linolenic fatty acid deficiency. Patients on long-term gastric tube feeding] Bjerve KS, et al. **Tidsskr Nor Laegeforen** 1986 Dec 10;106(34–36):2978–81 (Eng. Abstr.) **(Nor)**

METABOLISM

Fluorescence formation and heme degradation at different stages of lipid peroxidation. Iio T, et al. **Life Sci** 1987 Jun 15;40(24):2297–302

Effects of dietary linolenate on the fatty acid composition of brain lipids in rats. Anding RH, et al. **Lipids** 1986 Nov; 21(11):697–701

Nutrition classics. Lipids, June 1979 Volume 14, No. 6: Reproduction and survival of rainbow trout (Salmo gairdneri) fed linolenic acid as the only source of essential fatty acids. By T.C. Yu, R.O. Sinnhuber, and J.D. Hendricks. **Nutr Rev** 1986 Sep;44(9):306–8

Linolenate metabolism [letter] Johnston PV, et al. **Nutr Rev** 1986 Sep;44(9):315–6

Changes of N-6 and N-3 fatty acids in liver from spontaneously hypertensive (SHR) and normotensive rats after diets supplemented with alpha-linolenic or eicosapentaenoic acids. Singer P, et al. **Prostaglandins Leukotrienes Med** 1987 Jul;28(2):183–93

PHARMACODYNAMICS

Does dietary linolenic acid influence blood pressure? [letter] Bursztyn P. **Am J Clin Nutr** 1987 Jun;45(6):1541–2

Effect of dietary columbinic acid on the fatty acid composition and physical membrane properties of different tissues of EFA-deficient rats. Mandon EC, et al. **Arch Latinoam Nutr** 1986 Sep;36(3):401–14

On the mechanism of linolenic acid inhibition in Photosystem II. Warden JT, et al. **Biochim Biophys Acta** 1987 Feb 11; 890(2):215–23

Protective effect of gamma-linolenic acid on aspirin-induced gastric hemorrhage in rats. Huang YS, et al. **Digestion** 1987; 36(1):36–41

Effects of gamma-linolenic acid supplementation on lipogenesis regulation in pregnant zinc-deficient rat and fetus. Dib A, et al. **Int J Biochem** 1986;18(11):1053–6

Effect of dietary alpha-linolenate/linoleate balance on brain lipid compositions and learning ability of rats. Yamamoto N, et al. **J Lipid Res** 1987 Feb;28(2):144–51

Diets varying in linoleic and linolenic acid content alter liver plasma membrane lipid composition and glucagon-stimulated adenylate cyclase activity. Morson LA, et al. **J Nutr** 1986 Dec;116(12):2355–62

Naturally occurring conjugated octadecatrienoic acids are strong inhibitors of prostaglandin biosynthesis. Nugteren DH, et al. **Prostaglandins** 1987 Mar;33(3):403–17

Antitumor effect of gamma-linolenic acid on cultured human neuroblastoma cells. Fujiwara F, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2–3):311–20

THERAPEUTIC USE

Controlled trial of gamma linolenic acid in Duke's C colorectal cancer. McIllmurray MB, et al. **Br Med J [Clin Res]** 1987 May 16;294(6582):1260

Fat induced hypertension in rabbits: the effects of dietary linoleic and linolenic acid. Bursztyn PG, et al. **J Hypertens** 1986 Dec;4(6):699–702

LINSEED OIL

Changes of N-6 and N-3 fatty acids in liver from spontaneously hypertensive (SHR) and normotensive rats after diets supplemented with alpha-linolenic or eicosapentaenoic acids. Singer P, et al. **Prostaglandins Leukotrienes Med** 1987 Jul;28(2):183–93

ADVERSE EFFECTS

[Severe obstructive ileus caused by a linseed bezoar. Case report with critical comment on the use of dietary fiber] Hardt M, et al. **Med Klin** 1986 Jul 18;81(15–16):541–3 **(Ger)**

LINURON see under **HERBICIDES, UREA**

LIONS see under **CARNIVORA**

LIOTHYRONINE see **TRIIODOTHYRONINE**

LIP

Innervation of the bovine naso-labial glands. Ceccarelli P, et al. **Basic Appl Histochem** 1986;30(4):447–52

Stereophotomicroscopic assessment of labial salivary gland flow. Greaves IC, et al. **J Oral Med** 1986 Jul–Sep; 41(3):172–4

ABNORMALITIES

Lip pits and deletion 1q32——41. Bocian M, et al. **Am J Med Genet** 1987 Feb;26(2):437–43

The Abbe island flap for the correction of whistle deformity. Holmström H. **Br J Plast Surg** 1987 Mar;40(2):176–80

Genetic epidemiology and control of genetic expression in van der Woude syndrome. Burdick AB. **J Craniofac Genet Dev Biol [Suppl]** 1986;2:99–105

ANATOMY & HISTOLOGY

The maxillary sagittal appliance: a clinical study. Owen AH 3d. **Am J Orthod Dentofacial Orthop** 1987 Apr;91(4):271–85

Head angulation and variations in the maxillomandibular relationship. Part II: The effects on facial contour and lip support. Araki NG, et al. **J Prosthet Dent** 1987 Aug; 58(2):218–21

BLOOD SUPPLY

Stereophotomicroscopic appearance of capillaries in labial mucosa of patients with diabetes mellitus. Hume WJ, et al. **Br Dent J** 1987 May 23;162(10):388–90

CYTOLOGY

Local variations in the staining patterns of keratin antigens and blood group antigens in normal rodent oral epithelia. Reibel J. **Cell Tissue Res** 1987 May;248(2):345–50

DRUG EFFECTS

The combined effect of bleomycin and irradiation on mouse lip mucosa. 2. Influence on the accumulation and repair of sublethal damage during fractionated irradiation. Vanuytsel L, et al. **Radiother Oncol** 1986 Aug;6(4):267–73

EMBRYOLOGY

Observations about the normal and abnormal embryogenesis of the canine lip and palate. Senders CW, et al. **J Craniofac Genet Dev Biol [Suppl]** 1986;2:241–8

INJURIES

Electrical burns of the oral commissure. Vorhies JM. **Angle Orthod** 1987 Jan;57(1):2–17

Wound contraction as treatment of dog bite avulsions of the lip. Miller TA. **Ann Plast Surg** 1987 Jul;19(1):42–5

Splint therapy for electrical burns of the oral commissure in children. Salman RA, et al. **ASDC J Dent Child** 1987 May–Jun;54(3):161–4

"Is 40 years enough delay?"Bruce-Chwatt AJ, et al. **Br J Plast Surg** 1987 Jan;40(1):97–8

Oral habits—a behavioural approach [letter] Ellis MP. **Br J Psychiatry** 1986 Jun;148:751–2

Conservative management of oral electrical burns: report of a case successfully treated. Cooney BM. **Int J Orthod** 1986 Fall;24(3–4):12–5

Oral electrical burns in a pediatric population. Palin WE Jr, et al. **J Oral Med** 1987 Jan–Mar;42(1):17–21, 34

The bipedicled lip flap for reconstruction of the vermilion border in the patient with a severe perioral burn. Lew D, et al. **Oral Surg Oral Med Oral Pathol** 1987 May; 63(5):526–9

Management of dog bite avulsions of the lip vermilion. Zackowski D, et al. **Pediatr Emerg Care** 1986 Jun;2(2):85–7

INNERVATION

Lower lip numbness following general anesthesia [letter] Azar I, et al. **Anesthesiology** 1986 Oct;65(4):450–1

Nerve endings in the vermilion border and mucosal areas of the rat lip. Tachibana T, et al. **Arch Histol Jpn** 1987 Mar;50(1):73–85

Cholinesterase activity of lamellated sensory corpuscles in the rat lip. Watanabe I, et al. **Arq Neuropsiquiatr** 1986 Dec; 44(4):325–33

Reflex responses of motor units in human masseter muscle to electrical stimulation of the lip. Miles TS, et al. **Exp Brain Res** 1987;65(2):331–6

Nerve sharing by an interpositional sural nerve graft between the great auricular and inferior alveolar nerve to restore lower lip sensation. LaBanc JP, et al. **J Oral Maxillofac Surg** 1987 Jul;45(7):621–7

Functional identification of the perioral neuromuscular system: a signal flow diagram. Blair C, et al. **J Speech Hear Res** 1987 Mar;30(1):60–70

Surface EMG recording of the perioral reflexes: preliminary observations on stutterers and nonstutterers. McClean MD. **J Speech Hear Res** 1987 Jun;30(2):283–7

[Thermographic reaction following partial conduction block of the mental nerve] Bremerich A, et al. **Fortschr Kiefer Gesichtschir** 1987;32:187–90 **(Ger)**

PATHOLOGY

The labial melanotic macule. Spann CR, et al. **Arch Dermatol** 1987 Aug;123(8):1029–31

Malignancy grading and cytophotometric evaluation of T1 lip carcinomas. Franzén G, et al. **Clin Otolaryngol** 1987 Apr;12(2):81–7

The reversibility of the snuff-induced lesion: an experimental study in the rat. Hirsch JM, et al. **J Oral Pathol** 1986 Nov; 15(10):540–3

Immunoglobulin-producing cells in labial salivary glands of patients with rheumatoid arthritis and systemic lupus erythematosus. Matthews JB, et al. **J Oral Pathol** 1986 Nov; 15(10):520–3

Cheilitis glandularis: a case affecting the upper lip. Winchester L, et al. **Oral Surg Oral Med Oral Pathol** 1986 Dec;62(6):654–6

PHYSIOLOGY

Changes in lip pressure following extension and flexion of the head and at changed mode of breathing. Hellsing E, et al. **Am J Orthod Dentofacial Orthop** 1987 Apr; 91(4):286–94

Variant and invariant characteristics of speech movements. Gracco VL, et al. **Exp Brain Res** 1986;65(1):156–66

Articulatory movement characteristics of labial consonant productions by children and adults. Smith BL, et al. **J Acoust Soc Am** 1986 Nov;80(5):1321–8

Simultaneous video imaging of lip and vocal cord movements for videographic documentation of laryngeal function. Yanagisawa E, et al. **J Biol Photogr** 1986 Jul;54(3):107–9

Movements of the upper and lower lips during speech: interactions between lips with the jaw fixed at different positions. Folkins JW, et al. **J Speech Hear Res** 1986 Sep; 29(3):348–56

Effects of vowel context on the articulatory closure postures of deaf speakers. Tye-Murray N. **J Speech Hear Res** 1987 Mar;30(1):99–104

Reflex responses in human jaw, lip, and tongue muscles elicited by mechanical stimulation. Weber CM, et al. **J Speech Hear Res** 1987 Mar;30(1):70–9

[Somnifacient effect of rhythmic heat stimuli acting on the nasolabial area] Likhtenshtein VA. **Fiziol Cheloveka** 1986 Jul–Aug;12(4):686–8 **(Rus)**

PHYSIOPATHOLOGY

The influence of lip function on the sagittal and transversal development of the maxilla in cleft patients. Göz G, et al. **Scand J Plast Reconstr Surg Hand Surg** 1987;21(1):31–4

RADIATION EFFECTS

Evaluation of mouse lip mucosa reactions after combinations of cis-diammine-1,1-cyclobutanedicarboxylate platinum (II) (CBDCA) and irradiation: single and fractionated treatments. Landuyt W, et al. **Int J Radiat Oncol Biol Phys** 1987 Sep;13(9):1367–70

The effect of small radiation doses per fraction on mouse lip mucosa assessed using the concept of partial tolerance. Ang KK, et al. **Radiother Oncol** 1987 Jan;8(1):79–86

[Effects of irradiation on the lip mucosa in the mice as a function of rate. Comparison with the effect of fractionation] Scalliet P, et al. **C R Soc Biol (Paris)** 1987; 181(1):70–7 (Eng. Abstr.) **(Fre)**

SURGERY

Nasal septum reposition in unilateral clefts as an integral part of primary suture of the lip. Hrivnáková J, et al. **Acta Chir Plast** 1987;29(1):15–20

A prefabricated hair-bearing island flap for lip reconstruction. Hyakusoku H, et al. **Br J Plast Surg** 1987 Jan;40(1):37–9

The versatility of median labiomandibulotomy. Lawson W. **Bull NY Acad Med** 1986 Oct;62(8):841–6

Is vermilionectomy necessary? [letter] **J Dermatol Surg Oncol** 1987 May;13(5):466, 470, 472 passim

Orbicularis oris muscle flap. Bleicher JN. **Nebr Med J** 1986 Sep;71(9):330–2

Aesthetic restoration of one-half the upper lip. Berget GC, et al. **Plast Reconstr Surg** 1986 Nov;78(5):583–93

Posttragal incision [letter] Freeman BS. **Plast Reconstr Surg** 1987 Jul;80(1):147

The lip lift [letter] Greenwald AE. **Plast Reconstr Surg** 1987 Jan;79(1):147

Restoration of the upper lip and nasolabial area by means

of an intraoral approach. Pensler JM, et al. **Plast Reconstr Surg** 1986 Oct;78(4):449–59
Reconstruction of full-thickness lip defects. Hagerty RF, et al. **South Med J** 1987 Sep;80(9):1094–6
Lip reconstruction: Karapandzic flap revisited. Mandell-Brown M, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(2):449–53
[Reconstruction of lateral transfixing loss of substance of the upper lip] Préaux J, et al. **Ann Chir Plast Esthet** 1987; 32(1):7–13 (Eng. Abstr.) **(Fre)**
[Enlargement commissuroplasty of the lip] Préaux J, et al. **Ann Chir Plast Esthet** 1987;32(1):14–20 (Eng. Abstr.) **(Fre)**
[Effect of cheiloplasty on dentofacial development in patients with cheilognathopalatoschisis] Jonas I, et al. **Fortschr Kieferorthop** 1986 Oct;47(5):400–11 (Eng. Abstr.) **(Ger)**

LIP DISEASES

CHEMICALLY INDUCED

An unusual cutaneous reaction to lignocaine. Curley RK, et al. **Br Dent J** 1987 Feb 7;162(3):113–4
Oral mouthwash and erythema multiforme. Tal H, et al. **J Oral Med** 1986 Jul-Sep;41(3):147–8, 209
An unusual hypersensitivity reaction to chlorhexidine. Yaacob H, et al. **J Oral Med** 1986 Jul-Sep;41(3):145–6

COMPLICATIONS

Bilateral lower lip mucoceles: cause of functional malocclusion in a three-year-old child. Meechan JG, et al. **ASDC J Dent Child** 1986 Sep-Oct;53(5):386–7

ETIOLOGY

Localized oral and perioral lesions in chronic graft-versus-host disease [letter] van Joost T, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):138–9

FAMILIAL & GENETIC

[Dominantly inherited lower lip fistulas and facial clefts (Van der Woude syndrome). A study of 52 cases] Kläusler M, et al. **Schweiz Med Wochenschr** 1987 Jan 24;117(4):127–34 (Eng. Abstr.) **(Ger)**

PATHOLOGY

The labial melanotic macule. Spann CR, et al. **Arch Dermatol** 1987 Aug;123(8):1029–31
Chronic nasolabial cyst. Precious DS. **Can Dent Assoc J** 1987 Apr;53(4):307–8
Oral and labial verruca vulgaris: clinical, histologic and immunohistochemical evaluation. Green TL, et al. **Oral Surg Oral Med Oral Pathol** 1986 Oct;62(4):410–6
Generalized eruptive keratoacanthoma. Young SK, et al. **Oral Surg Oral Med Oral Pathol** 1986 Oct;62(4):422–6
Lip syphilitic chancre in a child [letter] Aloi F. **Pediatr Dermatol** 1987 May;4(1):63
[Benign lymphadenosis of the oral mucosa: clinicopathological analysis of 70 cases] Sun KH. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 May;21(3):137–9, 190 (Eng. Abstr.) **(Chi)**

VETERINARY

Diseases of the lips and oral cavity of domestic animals. White SD. **Clin Dermatol** 1987 Apr-Jun;5(2):190–201 (72 ref.)

LIP NEOPLASMS

ANALYSIS

Search for HSV DNA in genital, cerebral and labial tumors. Rotola A, et al. **Eur J Cancer Clin Oncol** 1986 Oct; 22(10):1259–65

CHEMICALLY INDUCED

Psoriasis, razoxane and a cutaneous B-cell lymphoma. Mallett RB, et al. **Br J Dermatol** 1987 Feb;116(2):243–4

COMPLICATIONS

Extensive verrucosis, squamous cell carcinoma, and immunologic abnormality in Klinefelter's syndrome. Misra RS, et al. **Int J Dermatol** 1986 Oct;25(8):529–30

DIAGNOSIS

Angiolymphoid hyperplasia with eosinophilia. Welch NT, et al. **J R Soc Med** 1987 Jun;80(6):384–5

DRUG THERAPY

[Hematoporphyrin derivative (HpD) and lasers in the treatment of lip cancer: with report of 41 cases] Zhao FY, et al. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Mar; 21(2):96–8, 128 (Eng. Abstr.) **(Chi)**

ETIOLOGY

[Pathogenesis of Manganotti's abrasive precancerous cheilitis] Aldemirov AA. **Vestn Dermatol Venerol** 1986;(11):48–50 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunocompetent cell reaction in prognostic evaluation of squamous cell carcinoma of the lip. Kärjä J, et al. **Acta Otolaryngol (Stockh)** 1987 May-Jun;103(5–6):640–3

PATHOLOGY

Solitary labial papular acantholytic dyskeratoma in an immunocompromised host. O'Connell BM, et al. **Am J Dermatopathol** 1987 Aug;9(4):339–42
Microcystic adnexal carcinoma—a case report and review of the literature. Newman L. **Br J Oral Maxillofac Surg** 1986 Dec;24(6):448–51
Malignancy grading and cytophotometric evaluation of T1 lip carcinomas. Franzén G, et al. **Clin Otolaryngol** 1987 Apr;12(2):81–7
Angioleiomyoma of the lip. Terui T, et al. **Int J Dermatol** 1987 Mar;26(2):119–20
Primary malignant melanoma of the vermilion of the lower lip. Raderman D, et al. **J Dermatol Surg Oncol** 1986 Oct; 12(10):1106–10
Common bile nevus of the upper lip—a possible relationship to Mongolian spot. Kikuchi I, et al. **J Dermatol (Tokyo)** 1986 Aug;13(4):301–3
Mucoepidermoid carcinoma of the lower lip: report of a case. Pizer ME, et al. **J Oral Maxillofac Surg** 1986 Nov; 44(11):900–2
Nodular hidradenoma: an eccrine sweat gland analog of pleomorphic adenomas of salivary gland origin. Vincent SD, et al. **J Oral Maxillofac Surg** 1987 Jan;45(1):80–3
Neurotropic melanoma of the lower lip. McGinnis JP Jr, et al. **J Oral Pathol** 1986 Sep;15(8):445–9
The nasolabial cyst-nasal hamartoma. Kuriloff DB. **Otolaryngol Head Neck Surg** 1987 Mar;96(3):268–72
[Merkel-cell tumor of the upper lip] Reychler H, et al. **Rev Stomatol Chir Maxillofac** 1986;87(4):242–6 (Eng. Abstr.) **(Fre)**
[Evaluation of the histological grading in 36 cases of spinocellular epithelioma of the lip] Placanica V, et al. **Minerva Stomatol** 1986 Sep;35(9):893–8 (Eng. Abstr.) **(Ita)**
[Cystic adenoid carcinoma of the upper lip] Gascón F, et al. **An Otorrinolaringol Ibero Am** 1986;13(6):619–26 (Eng. Abstr.) **(Spa)**

RADIOTHERAPY

Carcinoma of the lip and selected sites of head and neck skin. A clinical study of 896 patients. Petrovich Z, et al. **Radiother Oncol** 1987 Jan;8(1):11–7
[Attachment for interstitial radiation therapy of cancer of the lower lip] Khokhlov AF, et al. **Med Radiol (Mosk)** 1987 Feb;32(2):56–7 **(Rus)**
[Short-range x-ray therapy of cancer of the lower lip in its early stages] Podliashchuk EL, et al. **Med Radiol (Mosk)** 1987 Feb;32(2):27–31 (Eng. Abstr.) **(Rus)**

SURGERY

Bilateral neurovascular cheek flaps for one stage lower lip reconstruction. Vatanasapt V, et al. **Br J Plast Surg** 1987 Mar;40(2):173–5
Death from interventionist radiology: a cautionary tale. Dyer C. **Br Med J [Clin Res]** 1986 Sep 13;293(6548):686–7
Squamous-cell carcinoma of the lower lip [letter] Burke RH. **Ear Nose Throat J** 1987 Mar;66(3):123
Chemosurgical report: recurrence (persistence) of tumor following excision by Mohs surgery. Dzubow LM. **J Dermatol Surg Oncol** 1987 Jan;13(1):27–30
Lip reconstruction: Karapandzic flap revisited. Mandell-Brown M, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(2):449–53
[Cancer of the lip. Results of treatment and assessment of the surgical scar] Petri N. **Ugeskr Laeger** 1987 Apr 27; 149(18):1187–9 (Eng. Abstr.) **(Dan)**
[Reconstructive surgery in giant cancers of the lips: our experience at the Casablanca University Hospital Center. Apropos of 62 cases] Chekkoury-Idrissi A, et al. **Ann Chir Plast Esthet** 1987;32(1):21–8 (Eng. Abstr.) **(Fre)**
[Reconstruction of lateral transfixing loss of substance of the upper lip] Préaux J, et al. **Ann Chir Plast Esthet** 1987; 32(1):7–13 (Eng. Abstr.) **(Fre)**
[Surgical therapy of regional lymph nodes in cancers of the lower lip] Eggert JH, et al. **Hautarzt** 1986 Aug;37(8):444–9 (Eng. Abstr.) **(Ger)**
[Various aspects of the surgical therapy of cancer of the lower lip] Breuninger H. **Z Hautkr** 1987 Jun 15; 62(12):937–8, 943–6 (Eng. Abstr.) **(Ger)**
[Neurophysiologic study of spontaneous reinnervation in a transposed flap of human muscle tissue] Basciani M, et al. **Riv Neurol** 1986 Sep-Oct;56(5):311–8 (Eng. Abstr.) **(Ita)**

THERAPY

Clinical analysis of 86 cases of carcinoma of the lip. Lai GQ, et al. **Chin Med J [Engl]** 1987 Mar;100(3):234–5

ULTRASTRUCTURE

A transmission electron microscopic study of two cases of oral smooth muscle neoplasm. Kawakami T, et al. **J Oral Maxillofac Surg** 1987 Jun;45(6):551–5

LIPASE

Chemical modification of enzymes with activated magnetic modifier. Yoshimoto T, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):908–14
Preparation of fluorescent derivatives of lipases and their use in fluorescence energy transfer studies in hydrocarbon/water interfaces. Roberts GA, et al. **Biochim Biophys Acta** 1987 Sep 3;902(3):327–34
Demonstration of the amphiphilic character of hormone-sensitive lipase by temperature-induced phase separation in Triton X-114 and charge-shift electrophoresis. Holm C, et al. **J Biol Chem** 1986 Nov 25; 261(33):15659–61

ADVERSE EFFECTS

Human asthma due to a dog's drugs. Warren CP, et al. **Am J Med** 1986 Nov;81(5):939–41

ANALYSIS

Specific and sensitive plate assay for bacterial lipases. Kouker G, et al. **Appl Environ Microbiol** 1987 Jan;53(1):211–3
Magnetic lipase active in organic solvents. Takahashi K, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):291–6
Bile salt-stimulated lipase in non-primate milk: longitudinal variation and lipase characteristics in cat and dog milk. Freed LM, et al. **Biochim Biophys Acta** 1986 Sep 12; 878(2):209–15
Assay of human pancreatic lipase in biological fluids using a non-competitive enzyme immunoassay. Carrère J, et al. **Clin Chim Acta** 1986 Dec 15;161(2):209–19
The effects of "Yusho" type PCB on triglyceride lipase and fatty acid composition. Obana H, et al. **Environ Res** 1987 Apr;42(2):500–8
Localization of the salt-resistant heparin-releasable lipase in the rat liver, adrenal and ovary. Persoon NL, et al. **Eur J Cell Biol** 1986 Jun;41(1):134–7
Titrimetric assay of pancreatic lipase in pharmaceutical preparations. Lecat D, et al. **J Assoc Off Anal Chem** 1986 Nov-Dec;69(6):1022–5
Zonal high-performance affinity chromatography as a tool for protein interaction studies with special reference to the lipase-colipase complex. Mahe N, et al. **J Chromatogr** 1987 Jun 12;395:511–21
Use of protein G for preparation and characterization of rabbit antibodies against rat adipose tissue hormone-sensitive lipase. Fredrikson G, et al. **J Immunol Methods** 1987 Feb 26;97(1):65–70
Effect of aging on pancreatic lipolytic enzymes. Wang CS, et al. **Pancreas** 1986;1(5):438–42
[Biospecific chromatography of lipolytic enzymes and methods for determining their activity] Ostapenko OV, et al. **Bioorg Khim** 1986 Nov;12(11):1445–68 (88 ref.) (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

The kinetics of heparin inhibition of the esterase and basal lipase activities of lipoprotein lipase. Posner I, et al. **Arch Biochem Biophys** 1987 Mar;253(2):475–85
Modification of serum, pancreatic, and microbial lipase activities by phorbol diesters. Zhang ZC, et al. **Cancer Res** 1987 Jan 1;47(1):135–9

BIOSYNTHESIS

Influence of iron(III) and pyoverdine on extracellular proteinase and lipase production by Pseudomonas fluorescens B52. McKellar RC, et al. **Arch Microbiol** 1987 Apr;147(3):225–30
Characterization of the intracellular processing and secretion of hepatic lipase in FU5AH rat hepatoma cells. Cisar LA, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):305–14
Bile-salt-stimulated lipase in human milk: evidence for its synthesis in the lactating mammary gland. Bläckberg L, et al. **FEBS Lett** 1987 Jun 8;217(1):37–41
Hepatic lipase. Synthesis, processing, and secretion by isolated rat hepatocytes. Laposata EA, et al. **J Biol Chem** 1987 Apr 15;262(11):5333–8
Biosynthesis of lipase in the scutellum of maize kernel. Wang SM, et al. **J Biol Chem** 1987 Feb 15;262(5):2270–4
Primary structures of canine pancreatic lipase and phospholipase A2 messenger RNAs. Kerfelec B, et al. **Pancreas** 1986;1(5):430–7
Lipase synthesis in the rat pancreas is regulated by secretin. Rausch U, et al. **Pancreas** 1986;1(6):522–8

BLOOD

The effect of fat-rich diet and chronic ethanol ingestion on ascitic fluid and plasma enzyme activities in acute pancreatitis in rats. Rämö OJ, et al. **Acta Chir Scand** 1987 Mar;153(3):203–7
Increased monoester lipase activity of red blood cells in alcoholism. Delpéro C, et al. **Alcoholism (NY)** 1986 Dec; 10(6):602–5
Comparison of elastase-1 with amylase, lipase, and trypsin-like immunoreactivity in the diagnosis of acute pancreatitis. Flamion B, et al. **Am J Gastroenterol** 1987 Jun;82(6):532–5
Pancreatic enzymes in chronic renal failure. Royse VL, et al. **Arch Intern Med** 1987 Mar;147(3):537–9
High density lipoprotein, apoproteins A-I and A-II and

postheparin plasma lipolytic enzymes after ileal bypass. Koivisto P, et al. **Atherosclerosis** 1987 Feb;63(2–3):181–6

Hepatic triacylglycerol lipase in circulating blood of normal and tumor-bearing mice and its hydrolysis of very-low-density lipoprotein and synthetic acylglycerols. Masuno H, et al. **Biochim Biophys Acta** 1986 Dec 5; 879(3):339–44

The immunochemical determinations of serum lipase in acute pancreatitis: further results. Adam A, et al. **Clin Chem** 1986 Oct;32(10):1987

Getting higher on the (lipase) learning curve [letter] Lott JA. **Clin Chem** 1986 Nov;32(11):2116–7

Hepatic lipase and the clearing reaction: studies in euthyroid and hypothyroid subjects. Valdemarsson S, et al. **Horm Metab Res** 1987 Jan;19(1):28–30

Association of plasma lipoproteins with postheparin lipase activities. Goldberg IJ, et al. **J Clin Invest** 1986 Dec; 78(6):1523–8

Human serum pancreatic lipase and trypsin 1 in aging: enzymatic and immunoenzymatic assays. Carrere J, et al. **J Gerontol** 1987 May;42(3):315–7

Anti-Xa activity of human hepatic triglyceride lipase. Gray E, et al. **J Lab Clin Med** 1987 Jun;109(6):653–9

Post-heparin plasma hepatic lipase activity as predictor of high-density lipoprotein response to progestogen therapy: studies with cyproterone acetate. Tikkanen MJ, et al. **Maturitas** 1987 Apr;9(1):81–6

Postheparin plasma lipolytic activities in physically active and sedentary men after varying and repeated doses of intravenous heparin. Thompson PD, et al. **Metabolism** 1986 Nov;35(11):999–1004

A rapid assay for serum immunoreactive lipase as a screening test for acute pancreatitis. Ventrucci M, et al. **Pancreas** 1986;1(4):320–3

An in vitro method for assay of hormone or agonist-stimulated lipase activity. Fretland DJ, et al. **Prostaglandins Leukotrienes Med** 1987 Jun;28(1):45–52

High-density lipoprotein cholesterol, hepatic lipase and lipoprotein lipase activities in thyroid dysfunction—effects of treatment. Lam KS, et al. **Q J Med** 1986 May; 59(229):513–21

Simultaneous determination of alpha-amylase and pancreatic lipase in acute episodes of pancreatitis [letter] Close P. **Rev Med Brux** 1987 Mar;8(3):159–60

Plasma kinetics of lipoprotein lipase and hepatic lipase activities induced by heparin and a low molecular weight heparin fragment. Persson E, et al. **Scand J Clin Lab Invest** 1987 Apr;47(2):151–5

Anticoagulant activities of pentosan polysulphate (Hémoclar) due to release of hepatic triglyceride lipase (HTGL). Barrowcliffe TW, et al. **Thromb Haemost** 1986 Oct 21; 56(2):202–6

Plasma cholecystokinin and pancreatic enzyme secretion in patients with coeliac sprue. Koop I, et al. **Z Gastroenterol** 1987 Feb;25(2):124–9

[Blood amylase and lipase in diabetic ketoacidosis] Fontaine P, et al. **Presse Med** 1987 May 16;16(18):895–8 (Eng. Abstr.) **(Fre)**

[Value of the simultaneous determination of alpha-amylase and pancreatic lipase for the diagnosis of attacks of acute pancreatitis (letter)] Brohee D, et al. **Rev Med Brux** 1987 Feb;8(2):92–3 **(Fre)**

[Value of simultaneous determinations of alpha-amylase and pancreatic lipase in the diagnosis of acute pancreatitis] Courtois P, et al. **Rev Med Brux** 1986 Nov;7(9):527–32 (Eng. Abstr.) **(Fre)**

[The effect of pirenzepine on lipase levels after endoscopic retrograde cholangio-pancreaticography] Kratochvil P, et al. **Arzneimittelforschung** 1986 Jul;36(7):1142–3 (Eng. Abstr.) **(Ger)**

[Lipase standard on a pancreatin base for a turbidimetric test. Development and characterization] Heuchel P. **Z Med Lab Diagn** 1987;28(4):230–1 **(Ger)**

[Activity of lipolytic enzymes in rabbit plasma during myocardial injury] Efimova LV. **Vopr Med Khim** 1986 Jul-Aug;32(4):41–5 (Eng. Abstr.) **(Rus)**

[Determination of amylase creatinine clearance in children and adolescents] Heffes Nahmod LA, et al. **Acta Gastroenterol Latinoam** 1986;16(1):47–51 (Eng. Abstr.) **(Spa)**

DEFICIENCY

Familial hepatic lipase deficiency. Little JA, et al. **Adv Exp Med Biol** 1986;201:253–60

Deficiencies of plasma lipolytic activities. Breckenridge WC. **Am Heart J** 1987 Feb;113(2 Pt 2):567–73 (34 ref.)

Normalization of lipoprotein lipase and hepatic lipase by gemfibrozil results in correction of lipoprotein abnormalities in chronic renal failure. Pasternack A, et al. **Clin Nephrol** 1987 Apr;27(4):163–8

Two cases of cholesteryl ester storage disease (CESD) acid lipase deficiency. Tylki-Szymanska A, et al. **Hepatogastroenterology** 1987 Jun;34(3):98–9

[Congenital pancreatic lipase deficiency] Eto Y, et al. **Nippon Rinsho** 1986 Jul;44(7):1662–5 **(Jpn)**

GENETICS

Inheritance of high density lipoprotein and lipoprotein lipase and hepatic lipase activity. Kuusi T, et al. **Arteriosclerosis** 1987 Jul-Aug;7(4):421–5

Genetic variation of human mononuclear leukocyte lysosomal acid lipase activity. Relationship to atherosclerosis. Coates PM, et al. **Atherosclerosis** 1986 Oct; 62(1):11–20

Molecular cloning and nucleotide sequence of the lipase gene from Pseudomonas fragi. Kugimiya W, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):185–90

Molecular cloning of a human gastric lipase and expression of the enzyme in yeast. Bodmer MW, et al. **Biochim Biophys Acta** 1987 Aug 25;909(3):237–44

Cloning of rat hepatic lipase cDNA: evidence for a lipase gene family. Komaromy MC, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1526–30

ISOLATION & PURIFICATION

Purification of hormone-sensitive lipase by high-performance ion exchange chromatography. Nilsson S, et al. **Anal Biochem** 1986 Nov 1;158(2):399–407

Hepatic lipase: a member of a family of structurally related lipases [published erratum appears in Biochim Biophys Acta 1987 Aug 15;920(3):311] Ben-Zeev O, et al. **Biochim Biophys Acta** 1987 May 13;919(1):13–20

Purification of extracellular lipase from Pseudomonas aeruginosa. Stuer W, et al. **J Bacteriol** 1986 Dec; 168(3):1070–4

[The role of the N-terminal amino group in the activity of pancreatic lipase] Sikk PF, et al. **Bioorg Khim** 1986 Jul; 12(7):985–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Increase in hepatic lipase activity after testosterone substitution in men with hypogonadism of pituitary origin. Valdemarsson S, et al. **Acta Med Scand** 1987;221(4):363–6

Bile salt-stimulated lipase activity in human colostrum from mothers of infants of different gestational age and birthweight. Pamblanco M, et al. **Acta Paediatr Scand** 1987 Mar;76(2):328–31

Neonatal fat digestion and lingual lipase. Smith LJ, et al. **Acta Paediatr Scand** 1986 Nov;75(6):913–8

Lipolytic activity of Staphylococcus aureus strains from disseminated and localized infections. Rollof J, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1987 Apr; 95(2):109–13

Mechanism of action of lipoprotein lipase and hepatic triglyceride lipase. Jackson RL, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):551–4

Regulation of hepatic lipase and serum lipoproteins by sex steroids. Tikkanen MJ, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):562–7 (65 ref.)

Lipid composition and lipolytic activities in milk from a patient with homozygous familial hypobetalipoproteinemia. Wang CS, et al. **Am J Clin Nutr** 1987 Apr;45(4):730–6

Influence of apolipoprotein E on soluble and heparin-immobilized hepatic lipase. Landis BA, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):G805–10

Some examples of enzymes in organic synthesis. Jones JB. **Ann NY Acad Sci** 1987;501:119–28

Lack of sex differences in high density lipoproteins in Pima Indians. Studies of obesity, lipase activities, and steroid hormones. Howard BV, et al. **Arteriosclerosis** 1987 May-Jun;7(3):292–300

The mechanism of the hypolipidemic effect of garlic oil extract in rats fed on high sucrose and alcohol diets. Adoga GI. **Biochem Biophys Res Commun** 1987 Feb 13; 142(3):1046–52

Interesterification and synthesis by Candida cylindracea lipase in microemulsions. Bello M, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):361–7

Effect of diabetes on acid and neutral triacylglycerol lipase and on lipoprotein lipase activities in isolated myocardial cells from rat heart. Ramírez I, et al. **Biochem J** 1986 Aug 15;238(1):233–8

The effect of carbon tetrachloride on the enzymatic hydrolysis of cellular triacylglycerol in adult rat hepatocytes in primary monolayer culture. Kato H, et al. **Biochem Pharmacol** 1987 Jun 1;36(11):1807–14

The anticoagulant, hepatic lipase-releasing and lipoprotein lipase-releasing activities of several natural and chemically modified heparins differ. Pescador R, et al. **Biochem Pharmacol** 1987 Jan 15;36(2):253–7

Lipase-catalyzed reactions in organic media: competition and applications. Deleuze H, et al. **Biochim Biophys Acta** 1987 Jan 5;911(1):117–20

Importance of human gastric lipase for intestinal lipolysis: an in vitro study. Gargouri Y, et al. **Biochim Biophys Acta** 1986 Dec 5;879(3):419–23

Structural modulation of salt-resistant rat-liver lipase alters the relative phospholipase and triacylglycerol hydrolase activities. Persoon NL, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):186–93

Effect of cholera toxin on triacylglycerol lipase activity and triacylglycerol content of rat heart. Miller WC, et al. **Can J Physiol Pharmacol** 1987 Jan;65(1):60–3

Characterization of the triacylglycerol lipase activity in three types of rat skeletal muscle. Miller WC, et al. **Can J Physiol Pharmacol** 1987 Mar;65(3):317–22

Cyclic fatty esters: synthesis, characterization, and lipolysis of isomeric triglycerides of 9-(6-propyl-3-cyclohexenyl)-(Z)8-nonenoic acid. Awl RA, et al. **Chem Phys Lipids** 1986 Aug;41(1):65–80

Turbidimetric measurement of lipase activity—problems and some solutions. Tietz NW, et al. **Clin Chem** 1987 Sep; 33(9):1624–9

The effects of bovine serum albumin and oleic acid on rat pancreatic lipase and bovine milk lipoprotein lipase. Posner I, et al. **Comp Biochem Physiol [B]** 1987;87(1):137–41

Radioimmunoassay for human pancreatic lipase in acute pancreatitis. Roberts IM, et al. **Dig Dis Sci** 1987 Apr; 32(4):388–92

Newly synthesized amylase, lipase and serine proteases are transported at different rates in rat pancreas. Iovanna J, et al. **Digestion** 1986;34(3):178–84

Pathways of enzyme transfer in sodium taurocholate-induced acute hemorrhagic pancreatitis. Lange JF, et al. **Digestion** 1986;35(4):229–36

Effect of amiodarone on serum lipids, lipoprotein lipase, and hepatic triglyceride lipase. Kasim SE, et al. **Endocrinology** 1987 May;120(5):1991–5

Breast milk composition and bile salt-stimulated lipase in well-nourished and under-nourished Nigerian mothers. Ginder J, et al. **Eur J Pediatr** 1987 Mar;146(2):184–6

Phosphorylation of the basal site of hormone-sensitive lipase by glycogen synthase kinase-4. Olsson H, et al. **FEBS Lett** 1986 Dec 15;209(2):175–80

Role of nonpancreatic lipolytic activity in exocrine pancreatic insufficiency. Abrams CK, et al. **Gastroenterology** 1987 Jan;92(1):125–9

Lipase activity in Mycobacterium leprae—an indicator of metabolic function. Talati S, et al. **Indian J Lepr** 1986 Jul-Sep;58(3):367–72

Purification and general properties of a metal-insensitive lipase from Rhizopus japonicus NR 400. Suzuki M, et al. **J Biochem (Tokyo)** 1986 Nov;100(5):1207–13

Significance of hepatic triglyceride lipase activity in the regulation of serum high density lipoproteins in type II diabetes mellitus. Kasim SE, et al. **J Clin Endocrinol Metab** 1987 Jul;65(1):183–7

A modified ultra high temperature treatment for reducing microbial lipolysis in stored milk. Bucky AR, et al. **J Dairy Res** 1987 May;54(2):275–82

Microbial lipases: their characteristics, role in food spoilage and industrial uses. Stead D. **J Dairy Res** 1986 Aug; 53(3):481–505 (265 ref.)

Comparison of the heat resistance of bacterial lipases and proteases and the effect on ultra-high temperature milk quality. Christen GL, et al. **J Dairy Sci** 1986 Nov; 69(11):2769–78

Regulation of bovine adipose tissue metabolism during lactation. 3. Adaptations of hormone-sensitive and lipoprotein lipases. McNamara JP, et al. **J Dairy Sci** 1987 Jul;70(7):1377–84

Role of triglyceride-rich lipoproteins and hepatic lipase in determining the particle size and composition of high density lipoproteins. Hopkins GJ, et al. **J Lipid Res** 1986 Dec;27(12):1265–77

Modifications of plasma lipoproteins after lipase activation in patients with chylomicronemia. Manzato E, et al. **J Lipid Res** 1986 Dec;27(12):1248–58

Hydrolysis of chylomicron arachidonate and linoleate ester bonds by lipoprotein lipase and hepatic lipase. Nilsson A, et al. **J Lipid Res** 1987 May;28(5):510–7

Visualization by freeze fracture, in vitro and in vivo, of the products of fat digestion. Rigler MW, et al. **J Lipid Res** 1986 Aug;27(8):836–57

Cardiac lipase: effect of ethanol and stress. Brick J, et al. **Life Sci** 1987 May 11;40(19):1897–901

Evidence that cholesteryl ester hydrolase and triglyceride lipase are different enzymes in rat liver. Chen JJ, et al. **Lipids** 1986 Aug;21(8):503–7

An improved method for the colorimetric assay of lipase activity using an optically clear medium. Renard G, et al. **Lipids** 1987 Jul;22(7):539–41

Assays and substrate preparation for the enzymatic hydrolysis of diacylglycerols and phorbol diesters. Cabot MC, et al. **Methods Enzymol** 1987;141:301–13

Lipid metabolism in endotoxic rats: decrease in hepatic triglyceride lipase activity. Kawakami M, et al. **Microbiol Immunol** 1986;30(9):849–54

Glyceride synthesis by a cell-bound lipase from Aspergillus niger. Tahoun MK, et al. **Microbios** 1986;47(190):45–51

Effect of dietary fiber on pancreatic lipase activity in vitro. Hansen WE. **Pancreas** 1987;2(2):195–8

Plasma very low density lipoproteins, abdominal fat lipase, and fatness during rearing in two strains of broiler chickens. Grunder AA, et al. **Poult Sci** 1987 Mar;66(3):471–9

Adaptation of pancreatic lipase to the amount and nature of dietary lipids in the growing pig. Simoes Nunes C. **Reprod Nutr Dev** 1986;26(6):1273–80

Antithrombotic action of hepatic triglyceride lipase—fact or fiction [letter] Harenberg J, et al. **Thromb Haemost** 1987 Apr 7;57(2):241–2

[Lipases of the digestive system] Gargouri Y, et al. **Reprod Nutr Dev** 1986;26(5B):1163–76 (42 ref.) (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Proteolysis of von Willebrand factor by lipase preparations from Rhizopus arrhizus. Ganz PR, et al. **Thromb Res** 1987 Jun 15;46(6):881–3

[Selectivity of inhibition of pancreatic enzyme secretion after lipase administration into the duodenum] Korot'ko GF, et al. **Fiziol Zh SSSR** 1987 Jun;73(6):831–8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Mechanism of action of lipoprotein lipase and hepatic triglyceride lipase. Jackson RL, et al. **Adv Exp Med Biol** 1987;210:73–7

SECRETION

Secretion of lingual lipase and amylase from rat lingual serous glands. Field RB, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):G217–25

Secretion of triglyceride lipase from rat hepatocytes in culture: modulation by insulin and phenobarbital. Parkes JG, et al. **Biochem Cell Biol** 1986 Nov;64(11):1147–52

Release of hepatic lipase and very low density lipoprotein by cultured rat hepatocytes. Rustan AC, et al. **Int J Biochem** 1986;18(10):909–16

Phasic release of newly synthesized secretory proteins in the unstimulated rat exocrine pancreas. Arvan P, et al. **J Cell Biol** 1987 Feb;104(2):243–52

Regulation of secretion of enzymes from von Ebner's gland of rat tongue. Field RB, et al. **J Dent Res** 1987 Feb; 66(2):586–7

Studies on the exocrine secretion of segmental pancreatic grafts in humans. Tydén G, et al. **Surg Gynecol Obstet** 1987 May;164(5):404–8

Asperlicin: a unique nonpeptide cholecystokinin antagonist. Zucker KA, et al. **Surgery** 1987 Aug;102(2):163–70

THERAPEUTIC USE

Therapy of pancreatogenic steatorrhoea: does acid protection of pancreatic enzymes offer any advantage? Lankisch PG, et al. **Z Gastroenterol** 1986 Dec;24(12):753–7

[Exocrine pancreatic insufficiency. Comparison of substitution therapy with a non-acid resistant and an acid resistant enzyme preparation] Freise J, et al. **Fortschr Med** 1986 Sep 4;104(33):625–8 (Eng. Abstr.) **(Ger)**

URINE

Lipasuria in acute pancreatitis: result of tubular dysfunction? Muench R, et al. **Pancreas** 1987;2(3):333–8

[Urinary lipase: properties and value of its determination] Arzoglou PL, et al. **Ann Biol Clin (Paris)** 1986;44(4):403–5 (Eng. Abstr.) **(Fre)**

LIPEMIA-CLEARING FACTOR see **LIPOPROTEIN LIPASE**

LIPID A

Experimental otitis media with effusion induced by intratympanic lipid A instillation. Tanimura F, et al. **Am J Otolaryngol** 1987 Jan–Feb;8(1):23–30

Requirement of a properly acylated beta(1–6)–D–glucosamine disaccharide bisphosphate structure for efficient manifestation of full endotoxic and associated bioactivities of lipid A. Takahashi I, et al. **Infect Immun** 1987 Jan;55(1):57–68

Lipid A, the endotoxic center of bacterial lipopolysaccharides: relation of chemical structure to biological activity. Rietschel ET, et al. **Prog Clin Biol Res** 1987;231:25–53

ANALOGS & DERIVATIVES

Synthesis of the optically active 4–O–phosphono–D–glucosamine derivatives related to the nonreducing–sugar subunit of bacterial lipid A. Kiso M, et al. **Carbohydr Res** 1987 Apr 15;162(1):127–40

Comparison of biological activities of chemically synthesized monosaccharide analogues of reducing and nonreducing sugar moieties of lipid A. Shimizu T, et al. **Chem Pharm Bull (Tokyo)** 1986 Dec;34(12):5169–75

Antitumor activity and lethal toxicity of chemically synthesized tetraacetyl–2–keto–3–deoxyoctonic acid–(alpha 2——6)–D–glucosamine analogues of lipid A. Shimizu T, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb; 35(2):873–6

Biological activity of synthetic heptaacyl lipid A representing a component of Salmonella minnesota R595 lipid A. Galanos C, et al. **Eur J Biochem** 1986 Oct 1;160(1):55–9

Effect of stereospecificity of chemically synthesized lipid A–subunit analogues GLA–27 and GLA–40 on the expression of immunopharmacological activities. Kumazawa Y, et al. **Eur J Immunol** 1987 May;17(5):663–7

Immunobiological activities of synthetic lipid A analogs with low endotoxicity. Kotani S, et al. **Infect Immun** 1986 Dec; 54(3):673–82

Biological activities of chemically synthesized 2–keto–3–deoxyoctonic acid–(alpha 2——6)–D–glucosamine analogs of lipid A. Shimizu T, et al. **Infect Immun** 1987 Sep;55(9):2287–9

Inhibition of exogenous 3–deoxy–D–manno–octulosonate incorporation into lipid A precursor of toluene–treated Salmonella typhimurium cells. Capobianco JO, et al. **J Bacteriol** 1987 Sep;169(9):4030–5

Enhancement of chemiluminescence and phagocytic activities by nontoxic and toxic forms of lipid A. Masihi KN, et al. **J Biol Response Mod** 1986 Oct;5(5):462–9

The adjuvant properties of a nontoxic monophosphoryl lipid A in hyporesponsive and aging mice. Tomai MA, et al. **J Biol Response Mod** 1987 Apr;6(2):99–107

Modulation of the biological activity of bacterial endotoxin by incorporation into liposomes. Dijkstra J, et al. **J Immunol** 1987 Apr 15;138(8):2663–70

Inhibition of lipopolysaccharide–mediated activation of neutrophils with monosaccharide derivatives of lipid A. Lam C, et al. **Prog Clin Biol Res** 1987;236A:427–35

ANALYSIS

Studies on the chemical structure of the core–lipid A region of the lipopolysaccharide of Acinetobacter calcoaceticus NCTC 10305. Detection of a new 2–octulosonic acid interlinking the core oligosaccharide and lipid A component. Kawahara K, et al. **Eur J Biochem** 1987 Mar 16;163(3):489–95

Investigations into the polymorphism of lipid A from lipopolysaccharides of Escherichia coli and Salmonella minnesota by Fourier–transform infrared spectroscopy. Naumann D, et al. **Eur J Biochem** 1987 Apr 1;164(1):159–69

BIOSYNTHESIS

Biosynthesis of lipid A precursors in Escherichia coli. A cytoplasmic acyltransferase that converts UDP–N–acetylglucosamine to UDP–3–O–(R–3–hydroxymyristoyl)–N–acetylglucosamine. Anderson MS, et al. **J Biol Chem** 1987 Apr 15;262(11):5159–69

Biosynthesis of lipid A precursors in Escherichia coli. A membrane–bound enzyme that transfers a palmitoyl residue from a glycerophospholipid to lipid X. Brozek KA, et al. **J Biol Chem** 1987 Apr 15;262(11):5170–9

The biosynthesis of gram–negative endotoxin. A novel kinase in Escherichia coli membranes that incorporates the 4'–phosphate of lipid A. Ray BL, et al. **J Biol Chem** 1987 Jan 25;262(3):1122–8

CHEMICAL SYNTHESIS

Biological activities of chemically synthesized Proteus–type lipid A. Shimizu T, et al. **Microbiol Immunol** 1987; 31(4):381–6

IMMUNOLOGY

Lipid–A–antibodies—indicators for the risk of renal scarring in children with urinary tract infection. Misselwitz J, et al. **Acta Paediatr Scand** 1986 Nov;75(6):982–7

Antigenic determinants of lipid A analyzed with synthetic models and monoclonal antibodies. Chaby R, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):723–31

Relevance of vesico–ureteric reflux in development of lipid A antibodies in recurrent urinary tract infections in children—a preliminary study. Mar PJ, et al. **Eur J Pediatr** 1987 Jan;146(1):51–5

Circulating lipid A antibodies and their relationship to different clinical conditions of patients with Crohn's disease. Kruis W, et al. **Hepatogastroenterology** 1987 Jun; 34(3):123–6

Isolation and characterization of murine monoclonal antibodies specific for gram–negative bacterial lipopolysaccharide: association of cross–genus reactivity with lipid A specificity. Bogard WC Jr, et al. **Infect Immun** 1987 Apr;55(4):899–908

Human monoclonal antibodies that recognize conserved epitopes in the core–lipid A region of lipopolysaccharides. Pollack M, et al. **J Clin Invest** 1987 May;79(5):1421–30

Analysis of the fine specificity and cross–reactivity of monoclonal anti–lipid A antibodies. Kirkland TN, et al. **J Immunol** 1986 Dec 1;137(11):3614–9

Immunogenicity and antigenicity of natural and synthetic Escherichia coli lipid A. Brade L, et al. **Prog Clin Biol Res** 1987;231:75–91

[Antibodies to lipoid A in the treatment of septic shock] Jaspers L, et al. **Infection** 1987 Mar–Apr;15(2):146–52 (Eng. Abstr.) **(Ger)**

[Antibody to lipoid A in the treatment of septic shock] Jaspers L, et al. **Infection** 1987;15 Suppl 2:S89–95 (Eng. Abstr.) **(Ger)**

[Lipoid A antibody titer in the human] Marget W. **Infection** 1987 Mar–Apr;15(2):142–5 (Eng. Abstr.) **(Ger)**

[Lipoid A antibody titer in humans] Marget W. **Infection** 1987;15 Suppl 2:S85–8 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Pseudomonas diminuta LPS with a new endotoxic lipid A structure. Kasai N, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):972–8

METABOLISM

Dephosphorylation of the lipid A moiety of Escherichia coli lipopolysaccharide by mouse macrophages. Peterson AA, et al. **Infect Immun** 1987 Apr;55(4):974–8

PHARMACODYNAMICS

Neutrophil stimulation by lipid A and lipopolysaccharides from Salmonella minnesota. DeBari VA, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):597–600

Effects on the murine mononuclear phagocyte system of chronic administration of liposomes containing cytotoxic drug or lipid A compared with empty liposomes. Allen TM, et al. **Can J Physiol Pharmacol** 1987 Feb;65(2):185–90

Biological activity of synthetic heptaacyl lipid A representing a component of Salmonella minnesota R595 lipid A. Galanos C, et al. **Eur J Biochem** 1986 Oct 1;160(1):55–9

Effect of stereospecificity of chemically synthesized lipid A–subunit analogues GLA–27 and GLA–40 on the expression of immunopharmacological activities. Kumazawa Y, et al. **Eur J Immunol** 1987 May;17(5):663–7

Structural requirements for inducing in vitro B lymphocyte activation by chemically synthesized derivatives related to the nonreducing D–glucosamine subunit of lipid A. Kumazawa Y, et al. **Eur J Immunol** 1986 Sep; 16(9):1099–103

Induction of human interleukin 1 by bacterial and synthetic lipid A. Loppnow H, et al. **Eur J Immunol** 1986 Oct; 16(10):1263–7

Substitution of phosphatidylserine by lipid A in the activation of purified rabbit brain protein kinase C. Ellis CA, et al. **FEBS Lett** 1987 Jun 29;218(2):238–42

Inability of pyrogenic, purified Bordetella pertussis lipid A to induce interleukin–1 release by human monocytes. Caroff M, et al. **Infect Immun** 1986 Nov;54(2):465–71

Enhancement of chemiluminescence and phagocytic activities by nontoxic and toxic forms of lipid A. Masihi KN, et al. **J Biol Response Mod** 1986 Oct;5(5):462–9

Characterization of the pyrogenicity of two different lipopolysaccharides and their lipid A–bovine serum albumin complexes. Ogawa Y, et al. **J Pharmacobiodyn** 1986 Sep;9(9):722–8

THERAPEUTIC USE

Relationship between immune system and gram–negative bacteria. Acid–treated Salmonella minnesota R595 (Re) enhances immune responsiveness in patients with gynecologic malignancies. Jirillo E, et al. **Int J Immunopharmacol** 1986;8(8):881–6

TOXICITY

Effects of lipid A content, hydrocortisone and polymyxin B on endotoxin–induced decreases in in vivo drug metabolism. Abernathy CO, et al. **Microbios** 1987; 49(199):91–6

LIPID BILAYERS

Functional adaptations of transbilayer proteins. Marchesi VT. **Adv Exp Med Biol** 1986;205:107–20

Ethanol–induced adaptation in biological membranes. Goldstein DB. **Ann NY Acad Sci** 1987;492:103–11

Functional reconstitution of purified sodium channels from brain in planar lipid bilayers. Hartshorne RP, et al. **Ann NY Acad Sci** 1986;479:293–305

Block of sodium channels in planar lipid bilayers by guanidium toxins and calcium. Are the mechanisms of voltage dependence the same? Krueger BK, et al. **Ann NY Acad Sci** 1986;479:257–68

Lateral diffusion of proteins in membranes. Jacobson K, et al. **Annu Rev Physiol** 1987;49:163–75 (44 ref.)

Rearrangement of aminophospholipids in bilayers from sheep platelet plasma membranes and platelet liposomes by increasing their cholesterol levels. Sánchez–Yagüe J, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1362–7

Membrane stabilization of vitamin E; interactions of alpha–tocopherol with phospholipids in bilayer liposomes. Urano S, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1413–8

UV immobilized phospholipid bilayers. Uzgiris EE. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1116–21

Stable phospholipid membrane supported on porous filter paper. Yoshikawa K, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1092–7

Interaction of hepatic asialoglycoprotein receptor with dimyristoyl phosphatidylcholine vesicles. Krebs A, et al. **Biochem Cell Biol** 1987 Jan;65(1):56–61

Molecular order, dynamics, and ionization state of phosphatidylethanolamine bilayers as studied by 15N NMR. Akoka S, et al. **Biochemistry** 1986 Nov 4; 25(22):6972–7

Alpha–lactalbumin binding to membranes: evidence for a partially buried protein. Berliner LJ, et al. **Biochemistry** 1987 Jun 2;26(11):3006–9

Structural changes in lipid bilayers and biological membranes caused hydrostatic pressure. Braganza LF, et al. **Biochemistry** 1986 Nov 18;25(23):7484–8

Conductance routes for protons across membrane barriers. Bramhall J. **Biochemistry** 1987 May 19;26(10):2848–55

Transbilayer movement of bile acids in model membranes. Cabral DJ, et al. **Biochemistry** 1987 Apr 7;26(7):1801–4

Parallax method for direct measurement of membrane penetration depth utilizing fluorescence quenching by spin–labeled phospholipids. Chattopadhyay A, et al. **Biochemistry** 1987 Jan 13;26(1):39–45

Modulation of the phase transition behavior of phosphatidylethanolamine by cholesterol and oxysterols. Epand RM, et al. **Biochemistry** 1987 Apr 7;26(7):1820–5

Effects of lipids and long–chain alkyl derivatives on the activity of (Ca2+–Mg2+)–ATPase. Froud RJ, et al. **Biochemistry** 1986 Nov 18;25(23):7544–52

Binding of long–chain alkyl derivatives to lipid bilayers and to (Ca2+–Mg2+)–ATPase. Froud RJ, et al. **Biochemistry** 1986 Nov 18;25(23):7535–44

Regulation of bilayer stability in Clostridium butyricum: studies on the polymorphic phase behavior of the ether

lipids. Goldfine H, et al. **Biochemistry** 1987 May 19; 26(10):2814–22

Determination of conformational properties of glycolipid head groups by 2H NMR of oriented multibilayers. Jarrell HC, et al. **Biochemistry** 1987 Apr 7;26(7):1805–11

Deuterium nuclear magnetic resonance spectroscopic study of the fluorescent probe diphenylhexatriene in model membrane systems. Kintanar A, et al. **Biochemistry** 1986 Oct 21;25(21):6517–24

Study of the effect of melittin on the thermotropism of dipalmitoylphosphatidylcholine by Raman spectroscopy. Lafleur M, et al. **Biochemistry** 1987 Feb 24;26(4):1173–9

Dynamics of fd coat protein in lipid bilayers. Leo GC, et al. **Biochemistry** 1987 Feb 10;26(3):854–62

Elasticity of synthetic phospholipid vesicles and submitochondrial particles during osmotic swelling. Li W, et al. **Biochemistry** 1986 Dec 16;25(25):8220–9

Thermodynamics of glycophorin in phospholipid bilayer membranes. MacDonald AL, et al. **Biochemistry** 1987 Apr 7;26(7):1909–17

Determination of the depth of bromine atoms in bilayers formed from bromolipid probes. McIntosh TJ, et al. **Biochemistry** 1987 Mar 24;26(6):1783–8

Area per molecule and distribution of water in fully hydrated dilauroylphosphatidylethanolamine bilayers. McIntosh TJ, et al. **Biochemistry** 1986 Aug 26;25(17):4948–52

Electrostatic coupling of spectrin dimers to phosphatidylserine containing lipid lamellae. Maksymiw R, et al. **Biochemistry** 1987 Jun 2;26(11):2983–90

Structure and thermotropic properties of hydrated 1–eicosyl–2–dodecyl–rac–glycero–3–phosphocholine and 1–dodecyl–2–eicosyl–rac–glycero–3–phosphocholine bilayer membranes. Mattai J, et al. **Biochemistry** 1987 Jan 27;26(2):623–33

Competitive labeling as an approach to defining the binding surfaces of proteins: binding of monomeric insulin to lipid bilayers. Oomen RP, et al. **Biochemistry** 1987 Jan 13; 26(1):303–8

Rate and extent of poly(ethylene glycol)–induced large vesicle fusion monitored by bilayer and internal contents mixing. Parente RA, et al. **Biochemistry** 1986 Oct 21; 25(21):6678–88

Alamethicin incorporation in lipid bilayers: a thermodynamic study. Rizzo V, et al. **Biochemistry** 1987 May 19; 26(10):2751–9

Induction of lateral phase separations in binary lipid mixtures by alcohol. Rowe ES. **Biochemistry** 1987 Jan 13;26(1):46–51

Molecular exchange at the lipid–rhodopsin interface: spin–label electron spin resonance studies of rhodopsin–dimyristoylphosphatidylcholine recombinants. Ryba NJ, et al. **Biochemistry** 1987 Jun 2;26(11):3234–40

Protein–lipid interactions at membrane surfaces: a deuterium and phosphorus nuclear magnetic resonance study of the interaction between bovine rhodopsin and the bilayer head groups of dimyristoylphosphatidylcholine. Ryba NJ, et al. **Biochemistry** 1986 Aug 26;25(17):4818–25

Effect of cholesterol on viscoelastic properties of dipalmitoylphosphatidylcholine multibilayers as measured by a laser–induced ultrasonic probe. el–Sayed MY, et al. **Biochemistry** 1986 Aug 26;25(17):4825–32

A fluorescence study of dehydroergosterol in phosphatidylcholine bilayer vesicles. Schroeder F, et al. **Biochemistry** 1987 May 5;26(9):2441–8

Monte Carlo calculations of order parameter profiles in models of lipid–protein interactions in bilayers. Scott HL. **Biochemistry** 1986 Oct 7;25(20):6122–6

Reconstitution of membrane proteins: sequential incorporation of integral membrane proteins into preformed lipid bilayers. Scotto AW, et al. **Biochemistry** 1987 Feb 10;26(3):833–9

pH–dependent bilayer destabilization by an amphipathic peptide. Subbarao NK, et al. **Biochemistry** 1987 Jun 2; 26(11):2964–72

An experimental test of the discreteness–of–charge effect in positive and negative lipid bilayers. Winiski AP, et al. **Biochemistry** 1986 Dec 16;25(25):8206–14

Scanning calorimetric study of fully hydrated asymmetric phosphatidylcholines with one acyl chain twice as long as the other. Xu H, et al. **Biochemistry** 1987 Feb 24; 26(4):1036–43

Hydration and the lamellar to hexagonal II phase transition of phosphatidylethanolamine. Yeagle PL, et al. **Biochemistry** 1986 Nov 18;25(23):7518–22

Calorimetric and fatty acid spin label study of subgel and interdigitated gel phases formed by asymmetric phosphatidylcholines. Boggs JM, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):231–42

Phosphatidylethanol counteracts calcium–induced membrane fusion but promotes proton–induced fusion. Bondeson J, et al. **Biochim Biophys Acta** 1987 May 29;899(2):258–64

Effects of bee venom melittin on the order and dynamics of dimyristoylphosphatidylcholine unilamellar and multilamellar vesicles. Bradrick TD, et al. **Biochim Biophys Acta** 1987 Jun 12;900(1):17–26

The combined and separate effects of low temperature and freezing on membrane lipid mesomorphic phase behavior: relevance to cryobiology. Caffrey M. **Biochim Biophys Acta** 1987 Jan 9;896(1):123–7

The electrical breakdown of cell and lipid membranes: the similarity of phenomenologies. Chernomordik LV, et al. **Biochim Biophys Acta** 1987 Sep 3;902(3):360–73

Depolarization of dehydroergosterol in phospholipid bilayers. Chong PL, et al. **Biochim Biophys Acta** 1986 Dec 1;863(1):53–62

Thiocyanate and bromide ions influence the bilayer structural parameters of phosphatidylcholine bilayers. Cunningham BA, et al. **Biochim Biophys Acta** 1986 Oct 9;861(2):237–42

Phosphatidylserine decarboxylase: generation of asymmetric vesicles and determination of the transbilayer distribution of fluorescent phosphatidylserine in model membrane systems. Denkins YM, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):343–51

Solid core liposomes with encapsulated colloidal gold particles. Gao K, et al. **Biochim Biophys Acta** 1987 Mar 12;897(3):377–83

Electrical pump currents generated by the Ca2+–ATPase of sarcoplasmic reticulum vesicles adsorbed on black lipid membranes. Hartung K, et al. **Biochim Biophys Acta** 1987 Jun 30;900(2):209–20

Interactions of functionalized polymeric liposomes having a porphinato–iron complex with some biological cells and components in vitro. Hasegawa E, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):235–42

Structure of planar membrane formed from liposomes. Kolomytkin OV. **Biochim Biophys Acta** 1987 Jun 12; 900(1):145–56

Effect of oxygen free radicals on ubiquinone in aqueous solution and phospholipid vesicles. Landi L, et al. **Biochim Biophys Acta** 1987 Aug 20;902(2):200–6

Methyl group substitution at C(1), C(2) or C(3) of the glycerol backbone of a diether phosphocholine: a comparative study of bilayer chain disorder in the gel and liquid–crystalline phases. Lewis EN, et al. **Biochim Biophys Acta** 1986 Sep 25;861(1):44–52

Insertion of amphiphilic molecules into membranes is catalyzed by a high molecular weight non–ionic surfactant. Lojewska Z, et al. **Biochim Biophys Acta** 1987 May 12; 899(1):104–12

Structure and dynamics of plasmalogen model membranes containing cholesterol: a deuterium NMR study. Malthaner M, et al. **Biochim Biophys Acta** 1987 Jun 30;900(2):191–7

Visualization of domains in rigid ganglioside/phosphatidylcholine bilayers: Ca2+ effects. Mehlhorn IE, et al. **Biochim Biophys Acta** 1986 Dec 16; 863(2):139–55

Ion–transporting properties and ATPase activity of (Na+ + K+)–ATPase large subunit incorporated into bilayer lipid membranes. Mironova GD, et al. **Biochim Biophys Acta** 1986 Oct 9;861(2):224–36

Orientation and vertical fluctuations of spin–labeled analogues of cholesterol and androstanol in phospholipid bilayers. Morrot G, et al. **Biochim Biophys Acta** 1987 Feb 26;897(2):341–5

Preparation and characterization of long chain amino acid and peptide vesicle membranes. Neumann R, et al. **Biochim Biophys Acta** 1987 Apr 23;898(3):338–48

The transbilayer distribution of phosphatidylethanolamine in erythroid plasma membranes during erythropoiesis. Nijhof W, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):273–7

Local anesthetics and pressure: a comparison of dibucaine binding to lipid monolayers and bilayers. Seelig A. **Biochim Biophys Acta** 1987 May 29;899(2):196–204

High pressure infrared spectroscopy of lipid bilayers: new tests for interdigitation. Siminovitch DJ, et al. **Biochim Biophys Acta** 1987 Jun 12;900(1):163–7

The effect of cholesterol on lipid dynamics and packing in diether phosphatidylcholine bilayers. X–ray diffraction and 2H–NMR study. Siminovitch DJ, et al. **Biochim Biophys Acta** 1987 Jul 23;901(2):191–200

Latrotoxin–induced fusion of liposomes with bilayer phospholipid membranes. Sokolov YV, et al. **Biochim Biophys Acta** 1987 Jun 30;900(2):295–9

Polylysine induces pH–dependent fusion of acidic phospholipid vesicles: a model for polycation–induced fusion. Walter A, et al. **Biochim Biophys Acta** 1986 Oct 9;861(2):319–30

Membrane ordering effects of the anticancer agent VM–26. Wright SE, et al. **Biochim Biophys Acta** 1986 Dec 16; 863(2):297–304

Dilatometric studies of isobranched phosphatidylcholines. Yang CP, et al. **Biochim Biophys Acta** 1986 Dec 1; 863(1):33–44

Effects of unsaturation on 2H–NMR quadrupole splittings and 13C–NMR relaxation in phospholipid bilayers. Yeagle PL, et al. **Biochim Biophys Acta** 1987 May 29;899(2):137–42

Dynamic analysis of differential scanning calorimetry data. Lopez Mayorga O, et al. **Biophys Chem** 1987 Jul; 27(1):87–96

Effects of pressure and potassium chloride on the aggregation of poly(gamma–benzyl–L–glutamate) in liposomal bilayers. Tamura K, et al. **Biophys Chem** 1986 Dec 15;25(2):169–74

On the conductance heterogeneity in membrane channels formed by gramicidin A. A cooperative study. Busath DD, et al. **Biophys J** 1987 Jan;51(1):79–88

Viscoelastic relaxation of bilayer lipid membranes. Frequency–dependent tension and membrane viscosity. Crawford GE, et al. **Biophys J** 1987 Jul;52(1):87–94

The influence of cholesterol on the main phase transition of unilamellar dipalmytoylphosphatidylcholine vesicles. A differential scanning calorimetry and iodine laser T–jump study. Genz A, et al. **Biophys J** 1986 Dec;50(6):1043–51

Phospholipid surface bilayers at the air–water interface. III. Relation between surface bilayer formation and lipid bilayer assembly in cell membranes. Gershfeld NL. **Biophys J** 1986 Sep;50(3):457–61

The lateral distribution of pyrene–labeled sphingomyelin and glucosylceramide in phosphatidylcholine bilayers. Hresko RC, et al. **Biophys J** 1987 May;51(5):725–33

Deformation free energy of bilayer membrane and its effect on gramicidin channel lifetime. Huang HW. **Biophys J** 1986 Dec;50(6):1061–70

Diffusion– and reaction rate–limited redox processes mediated by quinones through bilayer lipid membranes. Ilani A, et al. **Biophys J** 1987 Feb;51(2):161–7

Direct measurement of the interaction between phosphatidylglycerol bilayers in aqueous electrolyte solutions. Marra J. **Biophys J** 1986 Nov;50(5):815–25

X–ray scattering of vesicles of N–acyl sphingomyelins. Determination of bilayer thickness. Maulik PR, et al. **Biophys J** 1986 Dec;50(6):1071–7

Trapping single ions inside single ion channels. Miller C. **Biophys J** 1987 Jul;52(1):123–6

Effects of anesthetic tetradecenols on phosphatidylcholine phase transitions. Implications for the mechanism of the bilayer pretransition. O'Leary TJ, et al. **Biophys J** 1986 Dec;50(6):1053–9

Dielectric properties of the polar head group region of zwitterionic lipid bilayers. Raudino A, et al. **Biophys J** 1986 Sep;50(3):441–9

Magnetic orientation of sphingomyelin–lecithin bilayers. Speyer JB, et al. **Biophys J** 1987 Apr;51(4):687–91

Photoinitiated ion movements in bilayer membranes containing magnesium octaethylporphyrin. Woodle MC, et al. **Biophys J** 1986 Sep;50(3):431–9

Structural investigation of poly–L,D–proline, a synthetic ion channel across bilayer membranes: crystal structure and molecular conformation of two tetra–D,L–proline derivatives. Colapietro M, et al. **Biopolymers** 1986 Dec; 25(12):2227–36

Virus replication inhibitory peptide inhibits the conversion of phospholipid bilayers to the hexagonal phase. Epand RM. **Biosci Rep** 1986 Jul;6(7):647–53

Functional assembly of gap junction conductance in lipid bilayers: demonstration that the major 27 kd protein forms the junctional channel. Young JD, et al. **Cell** 1987 Mar 13;48(5):733–43

Infrared spectroscopic characterization of the interaction of lipid bilayers with phenol, salicylic acid and o–acetylsalicylic acid. Casal HL, et al. **Chem Phys Lipids** 1987 Jan–Feb;43(1):47–53

Spontaneous vesiculation of uncharged phospholipid dispersions consisting of lecithin and lysolecithin. Hauser H. **Chem Phys Lipids** 1987 May;43(4):283–99

Phase behavior of synthetic N–acylethanolamine phospholipids. Newman JL, et al. **Chem Phys Lipids** 1986 Dec 31;42(4):249–60

The influence of oxygenated sterol compounds on dipalmitoylphosphatidylcholine bilayer structure and packing. Rooney M, et al. **Chem Phys Lipids** 1986 Aug; 41(1):81–92

Inverted micellar intermediates and the transitions between lamellar, cubic, and inverted hexagonal amphiphile phases. III. Isotropic and inverted cubic state formation via intermediates in transitions between L alpha and HII phases. Siegel DP. **Chem Phys Lipids** 1986 Dec 31; 42(4):279–301

Permeability of bilayer lipid membranes in phase transition. The significance of intermolecular phosphate–phosphate hydrogen bonding. Smirnova EYu, et al. **Chem Phys Lipids** 1986 Sep;41(2):173–80

Dimyristoylphosphatidic acid/cholesterol bilayers. Thermodynamic properties and kinetics of the phase transition as studied by the pressure jump relaxation technique. Blume A, et al. **Eur Biophys J** 1986;13(6):343–53

Gating processes of channels induced by colicin A, its C–terminal fragment and colicin E1 in planar lipid bilayers. Collarini M, et al. **Eur Biophys J** 1987;14(3):147–53

Lipid bilayer polypeptide interactions studied by molecular dynamics simulation. Edholm O, et al. **Eur Biophys J** 1987; 14(4):203–9

Dynamic fluorescence measurements on the main phase transition of dipalmytoylphosphatidylcholine vesicles. Genz A, et al. **Eur Biophys J** 1986;13(6):323–30

Chain length and pressure dependence of lipid translational diffusion. Müller HJ, et al. **Eur Biophys J** 1987;14(8):485–91

Reconstitution of purified chicken gizzard 5'–nucleotidase in phospholipid vesicles. Evidence for its transmembraneous character and the existence of functional domains on both sides of the phospholipid bilayer. Dieckhoff J, et al. **Eur J Biochem** 1987 Jan 15;162(2):451–9

The interaction of phosphatidylcholine bilayers with Triton X–100. Goñi FM, et al. **Eur J Biochem** 1986 Nov 3; 160(3):659–65

Giant vesicle bilayers composed of mixtures of lipids, cholesterol and polypeptides. Thermomechanical and (mutual) adherence properties. Evans E, et al. **Faraday Discuss Chem Soc** 1986;(81):267–80

Equilibrium studies of phospholipid bilayer assembly. Coexistence of surface bilayers and unilamellar vesicles. Gershfeld NL, et al. **Faraday Discuss Chem Soc** 1986; (81):19–28

Theory of lipid monolayer and bilayer chain–melting phase transitions. Nagle JF. **Faraday Discuss Chem Soc** 1986; (81):151–62

Prostaglandin E1 induced changes in conductivity of lipid bilayers. Hianik T, et al. **Gen Physiol Biophys** 1986 Aug;

5(4):445–8
A comparative study of microscopic and macroscopic parameters of lipid bilayers. Hianik T, et al. **Gen Physiol Biophys** 1986 Apr;5(2):205–9
A method for the determination of the filtration coefficient for spherical bilayers prepared from bulk erythrocyte membrane lipids. Langner M, et al. **Gen Physiol Biophys** 1986 Apr;5(2):193–9
Changes in vesicular membrane ESR spin label parameters upon isotope solvent substitution. Lobyshev VI, et al. **Gen Physiol Biophys** 1987 Jun;6(3):297–302
Transbilayer distribution of phospholipid synthesizing enzymes in the sarcoplasmic reticulum membrane. Pikula S, et al. **Int J Biochem** 1986;18(11):1023–9
The fusogenic effect of synthetic polycations on negatively charged lipid bilayers. Oku N, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):935–44
Reconstitution of mitochondrial F0.F1–ATPase with phosphatidylcholine using the nonionic detergent, octylglucoside. Laird DM, et al. **J Biol Chem** 1986 Nov 5;261(31):14844–50
Transbilayer movement of fluorescent analogs of phosphatidylserine and phosphatidylethanolamine at the plasma membrane of cultured cells. Evidence for a protein–mediated and ATP–dependent process(es). Martin OC, et al. **J Biol Chem** 1987 Apr 25;262(12):5890–8
Regulation of cholesteryl oleate and triolein miscibility in monolayers and bilayers. Smaby JM, et al. **J Biol Chem** 1987 Jun 15;262(17):8206–12
Batrachotoxin–modified sodium channels in planar lipid bilayers. Ion permeation and block. Green WN, et al. **J Gen Physiol** 1987 Jun;89(6):841–72
An experimental test of new theoretical models for the electrokinetic properties of biological membranes. The effect of UO2++ and tetracaine on the electrophoretic mobility of bilayer membranes and human erythrocytes. Pasquale L, et al. **J Gen Physiol** 1986 Dec;88(6):697–718
Single–channel analysis of the conductance fluctuations induced in lipid bilayer membranes by complement proteins C5b–9. Benz R, et al. **J Membr Biol** 1986;94(1):37–45
Calcium and barium permeable channels from Aplysia nervous system reconstituted in lipid bilayers. Coyne MD, et al. **J Membr Biol** 1987;97(3):205–13
How do protons cross the membrane–solution interface? Kinetic studies on bilayer membranes exposed to the protonophore S–13 (5–chloro–3–tert–butyl–2'–chloro–4' nitrosalicylanilide). Kasianowicz J, et al. **J Membr Biol** 1987;95(1):73–89
Large cation–selective pores from rat liver peroxisomal membranes incorporated to planar lipid bilayers. Labarca P, et al. **J Membr Biol** 1986;94(3):285–91
Gating of a voltage–dependent channel (colicin E1) in planar lipid bilayers: translocation of regions outside the channel–forming domain. Raymond L, et al. **J Membr Biol** 1986;92(3):255–68
Properties of an anion–selective channel from rat colonic enterocyte plasma membranes reconstituted into planar phospholipid bilayers. Reinhardt R, et al. **J Membr Biol** 1987;95(1):47–54
Permeation of divalent cations through alpha–latrotoxin channels in lipid bilayers: steady–state current–voltage relationships. Robello M, et al. **J Membr Biol** 1987; 95(1):55–62
Calcium–induced fusion of didodecylphosphate vesicles: the lamellar to hexagonal II (HII) phase transition. Rupert LA, et al. **J Membr Biol** 1987;95(3):255–63
Formation of ion–translocating oligomers by nigericin. Toro M, et al. **J Membr Biol** 1987;95(1):1–8
The measurement of the kinetics of lipid phase transitions: a volume–perturbation kinetic calorimeter. Johnson ML, et al. **Methods Enzymol** 1986;130:534–51
The role of interfacial structured water on the glycoprotein arrangement in liposomes. Neitchev VZ, et al. **Mol Biol Rep** 1986;11(4):253–7
Electrodiffusion of Cl– and K+ in epithelial membranes reconstituted into planar lipid bilayers. Zeuthen T, et al. **Pflugers Arch** 1987 Mar;408(3):275–81
Thermal–mechanical fluctuations enhance repulsion between bimolecular layers. Evans EA, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7132–6
Visualization of Ca2+–induced phospholipid domains. Haverstick DM, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(13):4475–9
Lipid monolayer states and their relationships to bilayers. MacDonald RC, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(12):4089–93
Integral membrane proteins significantly decrease the molecular motion in lipid bilayers: a deuteron NMR relaxation study of membranes containing myelin proteolipid apoprotein. Meier P, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3704–8
Images of a lipid bilayer at molecular resolution by scanning tunneling microscopy. Smith DP, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):969–72
Lipid domains in fluid membranes: a quick–freeze differential scanning calorimetry study. Melchior DL. **Science** 1986 Dec 19;234(4783):1577–80
[Substance transport through lipid membranes. 1. The saturation rate of flow equilibrium through artificial lipid membranes] Falk M. **Pharmazie** 1987 Jan;42(1):63–4 **(Ger)**
[Substance transport through lipid membranes. 2. The occurrence of transport saturation in passive substance permeation through lipid membranes] Falk M. **Pharmazie** 1987 Jan;42(1):64–5 **(Ger)**
[Fluctuation in the electric conductivity of lipid bilayers after one–sided application of polyene antibiotics] Bezrukov SM, et al. **Biofizika** 1987 May–Jun;32(3):526–8 (Eng. Abstr.) **(Rus)**
[Effect of polynucleotide adsorption on characteristics of a planar phosphatidylcholine bilayer membrane] Bichenkov EE, et al. **Biofizika** 1987 May–Jun;32(3):524–6 (Eng. Abstr.) **(Rus)**
[Changes in the structure of lipid bilayer membranes in magnetic fields] Ivanov V, et al. **Biofizika** 1987 Jan–Feb; 32(1):51–3 (Eng. Abstr.) **(Rus)**
[Interaction of local anesthetics with bilayer phospholipid membranes] Khashaev ZKh, et al. **Biofizika** 1987 Mar–Apr; 32(2):347–8 (Eng. Abstr.) **(Rus)**
[Diffusion of a fluorescent probe in egg lecithin multilayers and the effect of a permanent magnetic field] Lesin VI, et al. **Biofizika** 1986 Jul–Aug;31(4):611–5 (Eng. Abstr.) **(Rus)**
[Interaction of plasma lipoproteins and apolipoproteins with lipid bilayer membranes] Martseniuk OV, et al. **Biofizika** 1987 Mar–Apr;32(2):280–4 (Eng. Abstr.) **(Rus)**
[Effect of indoleacetic acid on the proton conductivity of biological membranes] Neminushchil VG, et al. **Biofizika** 1987 Mar–Apr;32(2):352–4 (Eng. Abstr.) **(Rus)**
[Polarization of bilayer membranes in phase separation. A quasi–one–dimensional model] Pasynkov AS. **Biofizika** 1987 Jan–Feb;32(1):54–8 (Eng. Abstr.) **(Rus)**
[Characteristics of the generation of transmembrane current higher harmonics in lipid bilayers in glycerol and 1,2–propane diol solutions] Rudenko SV, et al. **Biofizika** 1986 Jul–Aug;31(4):601–5 (Eng. Abstr.) **(Rus)**
[Cleavage of DNA adsorbed on the surface of phospholipid membranes by restrictases type II] Budker VG, et al. **Biokhimiia** 1986 Sep;51(9):1496–8 (Eng. Abstr.) **(Rus)**
[Interaction of alpha–tocopherol with free fatty acids. Mechanism of stabilization of lipid bilayer microviscosity] Erin AN, et al. **Biol Nauki** 1987;(1):10–6 (Eng. Abstr.) **(Rus)**
[Current fluctuations across the bilayer membrane in the presence of prostaglandin F2 alpha] Korolev NP, et al. **Biol Nauki** 1987;(1):26–9 (Eng. Abstr.) **(Rus)**
[Device for measuring intramembrane potential jumps by the electrostriction method] Nazarov EI, et al. **Fiziol Zh** 1987 Jan–Feb;33(1):94–6 **(Rus)**

ADMINISTRATION & DOSAGE

Biologically active, recombinant DNA in clathrin–coated vesicles isolated from rat livers after in vivo injection of liposome–encapsulated DNA. Nandi PK, et al. **J Biol Chem** 1986 Dec 15;261(35):16722–6

ANALYSIS

Ultrastructural evidence that the granules of human natural killer cell clones store membrane in a nonbilayer phase. Caulfield JP, et al. **Am J Pathol** 1987 May;127(2):305–16
Bilayer asymmetry in lysophosphatidylcholine/cholesterol (1:1) vesicles. A phosphorus–31 NMR study. Kumar VV, et al. **Biochem Biophys Res Commun** 1986 Aug 29; 139(1):25–30
Membrane effects of aminoglycoside antibiotics measured in liposomes containing the fluorescent probe, 1–anilino–8–naphthalene sulfonate. Au S, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):205–10
The effect of benzyl alcohol and cholesterol on the acyl chain order and alkane solubility of bimolecular phosphatidylcholine membranes. Coster HG, et al. **Biochim Biophys Acta** 1986 Oct 23;861(3):406–12
A long chain spin label for glycosphingolipid studies: transbilayer fatty acid interdigitation of lactosyl ceramide. Grant CW, et al. **Biochim Biophys Acta** 1987 Aug 20; 902(2):169–77
Structure and metastability of N–lignocerylgalactosylsphingosine (cerebroside) bilayers. Reed RA, et al. **Biochim Biophys Acta** 1987 Jan 26; 896(2):153–64
Mechanism and kinetics of the subtransition in hydrated L–dipalmitoylphosphatidylcholine. Tenchov BG, et al. **Biochim Biophys Acta** 1987 Feb 12;897(1):143–51
Properties of the porin of Haemophilus influenzae type b in planar lipid bilayer membranes. Vachon V, et al. **Biochim Biophys Acta** 1986 Sep 25;861(1):74–82
Ca2+ channels from brain microsomal membranes reconstituted in patch–clamped bilayers. Vassilev PM, et al. **Biochim Biophys Acta** 1987 Feb 26;897(2):324–30
Perturbation of lipid membranes by local anaesthetic carbisocaine. Ondriaš K, et al. **Drugs Exp Clin Res** 1986; 12(9–10):837–40
The interaction of amino–deuteromethylated melittin with phospholipid membranes studied by deuterium NMR. Dempsey CE, et al. **FEBS Lett** 1987 Jun 22;218(1):173–7

BLOOD

Phospholipid asymmetry during erythropoiesis. A study on Friend erythroleukemic cells and mouse reticulocytes. Van der Schaft PH, et al. **Biochim Biophys Acta** 1987 Jun 12; 900(1):103–15

DIAGNOSTIC USE

[Physico–chemical method of diagnosing the respiratory distress syndrome using a black foam film] Eksperova D, et al. **Fiziol Zh** 1987 May–Jun;33(3):101–8 (Eng. Abstr.) **(Rus)**

METABOLISM

The structure of membrane bound cytochrome c oxidase. Frey TG, et al. **Ann NY Acad Sci** 1986;483:120–30
Trypsin induced destabilization of liposomes composed of dioleoylphosphatidylethanolamine and glycophorin. Hu LR, et al. **Biochem Biophys Res Commun** 1986 Dec 30; 141(3):973–8
Spontaneous lipid bilayer transmembrane electrical oscillations induced by concanavalin A–polysaccharide interaction. Krull UJ, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):912–7
Stabilization of dry phospholipid bilayers and proteins by sugars. Crowe JH, et al. **Biochem J** 1987 Feb 15;242(1):1–10 (90 ref.)
A difference infrared–spectroscopic study of the interaction of ubiquinone–10 with phospholipid bilayers. Ondarroa M, et al. **Biochem J** 1986 Dec 1;240(2):325–31
The binding of polyamines to phospholipid bilayers. Yung MW, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):4037–41
The interaction of potential–sensitive molecular probes with dimyristoylphosphatidylcholine vesicles investigated by 31P–NMR and electron microscopy. Bammel BP, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):136–52
Perturbation of phospholipid bilayers by DDT. Chefurka W, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):181–6
Proton/hydroxide conductance through phospholipid bilayer membranes: effects of phytanic acid. Gutknecht J. **Biochim Biophys Acta** 1987 Apr 9;898(2):97–108
The spontaneous incorporation of proteins into preformed bilayers. Jain MK, et al. **Biochim Biophys Acta** 1987 Apr 27;906(1):33–68 (348 ref.)
Free volume model for lipid lateral diffusion coefficients. Assessment of the temperature dependence in phosphatidylcholine and phosphatidylethanolamine bilayers. King MD, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):231–4
Raman–spectroscopic evidence for the incorporation of alamethicin into dimyristoylphosphatidylcholine bilayers. Knoll W. **Biochim Biophys Acta** 1986 Dec 16;863(2):329–31
Channels produced by spider venoms in bilayer lipid membrane: mechanisms of ion transport and toxic action. Mironov SL, et al. **Biochim Biophys Acta** 1986 Nov 6; 862(1):185–98
Incorporation of highly purified melittin into phosphatidylcholine bilayer vesicles. Schulze J, et al. **Biochim Biophys Acta** 1987 Jul 10;901(1):101–11
Transport of Fe2+ across lipid bilayers: possible role of free fatty acids. Simpson RJ, et al. **Biochim Biophys Acta** 1987 Apr 9;898(2):187–95
Relation between lipid polymorphism and transbilayer movement of lipids in rat liver microsomes. van Duijn G, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):193–204
Channel–closing activity of porins from Escherichia coli in bilayer lipid membranes. Xu GZ, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):57–64
Conformations of yeast alpha–mating factor and analog peptides as bound to phospholipid bilayer. Correlation of membrane–bound conformation with physiological activity. Wakamatsu K, et al. **Eur J Biochem** 1987 Mar 2;163(2):331–8
Membrane capacity measurements suggest a calcium–dependent insertion of synexin into phosphatidylserine bilayers. Rojas E, et al. **FEBS Lett** 1987 Jun 8;217(1):25–31
Receptor–mediated interaction of ricin with the lipid bilayer of ganglioside GM1–liposomes. Utsumi T, et al. **FEBS Lett** 1987 May 25;216(1):99–103
Lipid asymmetry induced by transmembrane pH gradients in large unilamellar vesicles. Hope MJ, et al. **J Biol Chem** 1987 Mar 25;262(9):4360–6
Intermembrane protein transfer. Band 3, the erythrocyte anion transporter, transfers in native orientation from human red blood cells into the bilayer of phospholipid vesicles. Huestis WH, et al. **J Biol Chem** 1986 Dec 5; 261(34):16274–8
Membrane penetration of bovine factor V and Va detected by labeling with 5–iodonaphthalene–1–azide. Lecompte MF, et al. **J Biol Chem** 1987 Feb 15;262(5):1935–7
Phosphorylated intermediates of Na,K–ATPase proteoliposomes controlled by bilayer cholesterol. Interaction with cardiac steroid. Yoda S, et al. **J Biol Chem** 1987 Jan 5;262(1):103–9
Electrical conductivity, transfer of hydrogen ions in lipid bilayer membranes and uncoupling effect induced by pentachlorobenzenethiol (pentachlorothiophenol). Smejtek P, et al. **J Membr Biol** 1983;76(3):227–34
Mechanism of ionophoric transport of indium–111 cations through a lipid bilayer membrane. Choi HO, et al. **J Nucl Med** 1987 Jan;28(1):91–6
The pH–dependence of chloroquine uptake by phosphatidylcholine vesicles. Ferrari V, et al. **J Pharm Pharmacol** 1986 Oct;38(10):761–3
[Relation between gramicidin D and valinomycin–induced conductivity of lipid bilayer and cholesterol levels] Hianik T, et al. **Biofizika** 1987 May–Jun;32(3):458–61 (Eng. Abstr.)

(Rus)

[Cation–anion selectivity of staphylococcal channels in the lipid bilayer] Krasil'nikov OV, et al. **Biofizika** 1986 Jul–Aug;31(4):606–10 (Eng. Abstr.) (Rus)

[Effect of the functional groups of tocopherol molecules on lipid viscosity of mitochondria] Kerimov RF, et al. **Biull Eksp Biol Med** 1987 May;103(5):540–3 (Eng. Abstr.) (Rus)

[Effect of phenothiazines on the viscosity and electrical stability of model phospholipid membranes] Parnev OM, et al. **Biull Eksp Biol Med** 1987 May;103(5):555–7 (Eng. Abstr.) (Rus)

[Interaction of isolated brain synaptic vesicles with flat bilayer membranes in the rat] Tiniakova LR, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):314–6 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

[Action of astazilid on lipid bilayer membranes] Sukharev SI, et al. **Izv Akad Nauk SSSR [Biol]** 1987 Mar–Apr;(2):301–4 (Eng. Abstr.) (Rus)

[Interaction of isolated influenza virus hemagglutinin with flat lipid membranes] Guliako AA, et al. **Vopr Virusol** 1986 Sep–Oct;31(5):557–62 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Fluidity–dependence of membrane adhesiveness can be explained by thermotropic shift. in surface potential. Tatulian SA. **Biochim Biophys Acta** 1987 Jul 10;901(1):161–5

Is flexoelectricity the coupling factor between chemical energy and osmotic work in the pump? A model of pump. Petrov AG, et al. **Gen Physiol Biophys** 1986 Aug;5(4):391–403

RADIATION EFFECTS

Effect of ionizing radiation on artificial (planar) lipid membranes. II. The ion carriers valinomycin and nonactin as probes for radiation induced structural changes of the membrane. Strässle M, et al. **Int J Radiat Biol** 1987 Feb;51(2):287–302

[Effect of a permanent magnetic field on the formation of lipid bilayers] Simonov AN, et al. **Biofizika** 1986 Sep–Oct;31(5):777–80 (Eng. Abstr.) (Rus)

LIPID EMULSIONS, INTRAVENOUS see **FAT EMULSIONS, INTRAVENOUS**

LIPID METABOLISM, INBORN ERRORS

BLOOD

Age–related differences in plasmalogen content of erythrocytes from patients with the cerebro–hepato–renal (Zellweger) syndrome: implications for postnatal detection of the disease. Wanders RJ, et al. **J Inherited Metab Dis** 1986;9(4):335–42

COMPLICATIONS

Sudden infant death syndrome and inherited disorders of fat metabolism [letter] Harpey JP, et al. **Lancet** 1986 Dec 6;2(8519):1332

A new look at the ichthyoses: disorders of lipid metabolism. Williams ML. **Pediatr Dermatol** 1986 Dec;3(6):476–86 (63 ref.)

[Dyslipoproteinemias of patients with vascular psychoses] Fel' FM, et al. **Lab Delo** 1986;(10):615–8 (Eng. Abstr.) (Rus)

DIAGNOSIS

Inherited disorders of straight chain fatty acid oxidation. Pollitt RJ. **Arch Dis Child** 1987 Jan;62(1):6–7

Medium–chain and long–chain acyl CoA dehydrogenase deficiency: clinical, pathologic and ultrastructural differentiation from Reye's syndrome. Treem WR, et al. **Hepatology** 1986 Nov–Dec;6(6):1270–8

Simple diagnosis of the Zellweger syndrome by gas–liquid chromatography of dimethylacetals. Björkhem I, et al. **J Lipid Res** 1986 Jul;27(7):786–91

Ultrastructure of liver in inherited disorders of fat oxidation [letter] Lake BD, et al. **Lancet** 1987 Feb 14;1(8529):382–3

An inborn error of cholesterol biosynthesis. **Nutr Rev** 1986 Oct;44(10):334–6

[Acute encephalopathy and recurrent hepatic steatosis with normal long and medium chain fatty acyl–CoA–dehydrogenase activity] Marandian MH, et al. **Arch Fr Pediatr** 1987 May;44(5):369–71 (Eng. Abstr.) (Fre)

DRUG THERAPY

Carnitine therapy in disorders of propionate metabolism. **Nutr Rev** 1986 Jul;44(7):232–3 (6 ref.)

ENZYMOLOGY

Short–chain acyl–coenzyme A dehydrogenase deficiency. Clinical and biochemical studies in two patients. Amendt BA, et al. **J Clin Invest** 1987 May;79(5):1303–9

A decrease in glycine cleavage activity in the liver of a patient with dihydrolipoyl dehydrogenase deficiency. Yoshino M, et al. **J Inherited Metab Dis** 1986;9(4):399–400

FAMILIAL & GENETIC

The molecular genetics of hyperlipidemia. Shoulders CC, et al. **Horiz Biochem Biophys** 1986;8:299–340 (80 ref.)

Complementation analysis of fatty acid oxidation disorders. Moon A, et al. **J Clin Invest** 1987 Jan;79(1):59–64

Sudden child death and 'healthy' affected family members with medium–chain acyl–coenzyme A dehydrogenase deficiency. Duran M, et al. **Pediatrics** 1986 Dec;78(6):1052–7

METABOLISM

Impaired cholesterol esterification in primary brain cultures of the lysosomal cholesterol storage disorder (LCSD) mouse mutant. Patel SC, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):233–40

Metabolism of 1–pyrenedecanoic acid and accumulation of neutral fluorescent lipids in cultured fibroblasts of multisystemic lipid storage myopathy. Radom J, et al. **Biochim Biophys Acta** 1987 Jul 31;920(2):131–9

Intracellular processing of exogenously derived non–lipoprotein [3H]cholesterol in normal and mutant human skin fibroblasts deficient in acid sterol ester hydrolase. Slotte JP. **Biochim Biophys Acta** 1987 Feb 14;917(2):231–7

Peroxisomal very long–chain fatty acid beta–oxidation in human skin fibroblasts: activity in Zellweger syndrome and other peroxisomal disorders. Wanders RJ, et al. **Clin Chim Acta** 1987 Jul 15;166(2–3):255–63

Peroxisomal beta–oxidation of palmitoyl–CoA in human liver homogenates and its deficiency in the cerebro–hepato–renal (Zellweger) syndrome. Wanders RJ, et al. **Clin Chim Acta** 1986 Aug 30;159(1):1–10

Abnormal myocardial lipid composition in an infant with type II glutaric aciduria. Galloway JH, et al. **J Lipid Res** 1987 Mar;28(3):279–84

Disorders related to the metabolism of phytanic acid. Stokke O, et al. **Scand J Clin Lab Invest [Suppl]** 1986;184:3–10 (53 ref.)

[Wolman disease and cholesterol ester storage disease in adults. New means of study and diagnosis] Salvayre R, et al. **Ann Biol Clin (Paris)** 1986;44(6):611–7 (Eng. Abstr.) (Fre)

PATHOLOGY

Cholesteryl ester storage disease: pathologic changes in an affected fetus. Desai PK, et al. **Am J Med Genet** 1987 Mar;26(3):689–98

Two cases of cholesteryl ester storage disease (CESD) acid lipase deficiency. Tylki–Szymanska A, et al. **Hepatogastroenterology** 1987 Jun;34(3):98–9

URINE

Spin–echo and 2–dimensional 1H nuclear magnetic resonance studies on urinary metabolites from patients with 2–methylacetoacetyl CoA thiolase deficiency. Williams SR, et al. **Clin Chim Acta** 1986 Sep 15;159(2):153–61

LIPID MOBILIZATION

Influences of variation in total energy intake and dietary composition on regulation of fat cell lipolysis in ideal–weight subjects. Kather H, et al. **J Clin Invest** 1987 Aug;80(2):566–72

Glucose transport and antilipolysis are differentially regulated by the polar head group of an insulin–sensitive glycophospholipid. Kelly KL, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6404–7

[Proteinization and biotransformation of pantothenic acid in the liver during the activation of lipogenesis] Gurinovich VA, et al. **Vopr Pitan** 1986 Nov–Dec;(6):50–4 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Morphine and dynorphins in lipid mobilization in rats in vitro. Mühlbachová E, et al. **Arzneimittelforschung** 1987 Apr;37(4):394–8

Effects of epinephrine and norepinephrine on lipid mobilization from coho salmon liver incubated in vitro. Sheridan MA. **Endocrinology** 1987 Jun;120(6):2234–9

Lipolysis during fasting. Decreased suppression by insulin and increased stimulation by epinephrine. Jensen MD, et al. **J Clin Invest** 1987 Jan;79(1):207–13

LIPID PEROXIDES

An ESR study on lipid peroxidation process. Formation of hydrogen atoms and hydroxyl radicals. Makino K, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):381–6

Fluorescence formation from the interaction of DNA with lipid oxidation degradation products. Frankel EN, et al. **Biochim Biophys Acta** 1987 Jun 23;919(3):239–44

Occurrence of lipid oxidation products in foods. Addis PB. **Food Chem Toxicol** 1986 Oct–Nov;24(10–11):1021–30 (88 ref.)

Reactions of linoleic acid peroxyl radicals with phenolic antioxidants: a pulse radiolysis study. Erben–Russ M, et al. **Int J Radiat Biol** 1987 Sep;52(3):393–412

Transferrin–dependent lipid peroxidation. Saito M, et al. **J Free Radic Biol Med** 1986;2(2):99–105

Effects of lipophilic derivatives of L–ascorbic acid and dehydro–L–ascorbic acid on the peroxidation of linoleic acid in neutral phosphate buffer containing alcohol. Takagi M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Aug;32(4):389–94

ANALYSIS

Detection and characterization of lipid hydroperoxides at picomole levels by high–performance liquid chromatography. Yamamoto Y, et al. **Anal Biochem** 1987 Jan;160(1):7–13

Formation of active oxygen species by dithranol, III. Dithranol, active oxygen species and lipid peroxidation in vivo. Müller K, et al. **Arch Pharm (Weinheim)** 1987 Jan;320(1):59–66

An attempt to determine lipid peroxides with polyethylene glycol–modified hemin. Ajima A, et al. **Biotechnol Appl Biochem** 1987 Feb;9(1):53–7

Application of the thiobarbiturate assay to the measurement of lipid peroxidation products in microsomes. Albro PW, et al. **J Biochem Biophys Methods** 1986 Oct;13(3):165–94

The reaction of 2–thiobarbituric acid with biologically active alpha,beta–unsaturated aldehydes. Witz G, et al. **J Free Radic Biol Med** 1986;2(1):33–9

The ratio of lipidperoxides to superoxide dismutase activity in the skin lesions of patients with severe skin diseases: an accurate prognostic indicator. Niwa Y, et al. **Life Sci** 1987 Mar 9;40(10):921–7

Species differences in lipid peroxide levels in lung tissue and investigation of their determining factors. Arakawa K, et al. **Lipids** 1986 Dec;21(12):769–75

Limitations of the method using peroxidase activity of hemoglobin for detecting lipid hydroperoxides. Shibata SS, et al. **Lipids** 1986 Dec;21(12):792–5

Electrochemical detection of phospholipid hydroperoxides in reverse–phase high performance liquid chromatography. Yamada K, et al. **Lipids** 1987 Feb;22(2):125–8

[Approaches to the pathogenetic drug therapy of lens opacities] Badizhaev MA. **Vestn Oftalmol** 1986 Sep–Oct;102(5):46–50 (Eng. Abstr.) (Rus)

[Determination of lipid peroxidation products using thiobarbituric acid in anaerobic states] Kostiuk VA, et al. **Vopr Med Khim** 1987 May–Jun;33(3):115–8 (Eng. Abstr.) (Rus)

[Biochemical and ultrastructural changes in the brain of the rat exposed to the cerebrospinal fluid of schizophrenics] Vilkov GA, et al. **Zh Nevropatol Psikhiatr** 1987;87(5):735–8 (Eng. Abstr.) (Rus)

ANTAGONISTS & INHIBITORS

Bile pigments inhibit microsomal lipid peroxidation. Wolfram I, et al. **Acta Biochim Biophys Hung** 1986;21(4):307–11

[Muscle dipeptides—natural inhibitors of lipid peroxidation] Dupin AM, et al. **Biokhimiia** 1987 May;52(5):782–7 (Eng. Abstr.) (Rus)

[Mechanisms of biomembrane stabilization with alpha–tocopherol. The role of the isoprenoid chain in the inhibition of lipid peroxidation] Kagan VE, et al. **Dokl Akad Nauk SSSR** 1987;295(3):728–31 (Rus)

[Shielding eye pigments—melanins and ommochromes—photo–oxidation inhibitors] Sakina NL, et al. **Dokl Akad Nauk SSSR** 1986;291(4):994–7 (Rus)

BIOSYNTHESIS

Effect of a heme–peptide derived from cytochrome–c on lipid peroxidation. II. Experiments with liver microsomes. Vcnekei I, et al. **Acta Biochim Biophys Hung** 1986;21(1–2):13–22

Effect of a heme–peptide derived from cytochrome–c on lipid peroxidation. I. Effects on brain microsomes. Vodnyánszky L, et al. **Acta Biochim Biophys Hung** 1986;21(1–2):3–11

Ethane production as a measure of lipid peroxidation after renal ischemia. Paller MS, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F839–43

2,3,7,8–Tetrachlorodibenzo–p–dioxin–induced lipid peroxidation in hepatic and extrahepatic tissues of male and female rats. Al–Bayati ZA, et al. **Arch Environ Contam Toxicol** 1987 Mar;16(2):159–66

Sex–related differences in NADPH–dependent lipid peroxidation induced by cadmium. Sato M, et al. **Arch Toxicol** 1986 Oct;59(3):156–9

Effects of anthrapyrazole antineoplastic agents on lipid peroxidation. Frank P, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):797–807

Acetaldehyde–mediated hepatic lipid peroxidation: role of superoxide and ferritin. Shaw S, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):984–90

Inhibitory effect of female hormones on lipid peroxidation. Yagi K, et al. **Biochem Int** 1986 Dec;13(6):1051–5

MPTP fails to induce lipid peroxidation in vivo. Corongiu FP, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2251–3

Bromosulfophthalein abolishes glutathione–dependent protection against lipid peroxidation in rat liver mitochondria. Yonaha M, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2831–7

The antioxidant activity of haptoglobin towards haemoglobin–stimulated lipid peroxidation. Gutteridge JM. **Biochim Biophys Acta** 1987 Feb 14;917(2):219–23

Inverse relationship of ethane or n–pentane and

malondialdehyde formed during lipid peroxidation in rat liver microsomes with different oxygen concentrations. Kostrucha J, et al. **Biochim Biophys Acta** 1986 Nov 14; 879(2):120–5

Kinetics of NADPH-dependent lipid peroxidation and a possible initiation-preventing antioxidant effect of microsomal (+)-alpha-tocopherol. Venekei I. **Biochim Biophys Acta** 1987 Feb 23;917(3):347–55

Lipid peroxidation and malondialdehyde in the synovial fluid and plasma of patients with rheumatoid arthritis. Wade CR, et al. **Clin Chim Acta** 1987 May 15;164(3):245–50

Crocidolite-induced lipid peroxidation in rat lung microsomes. I. Role of different ions. Gulumian M, et al. **Environ Res** 1987 Jun;43(1):267–73

The pathophysiological significance of lipid peroxidation in oxidative cell injury. Tribble DL, et al. **Hepatology** 1987 Mar–Apr;7(2):377–86 (160 ref.)

Importance of the polyunsaturated fatty acid to vitamin E ratio in the resistance of rat lung microsomes to lipid peroxidation. Leedle RA, et al. **J Free Radic Biol Med** 1986;2(5–6):397–403

Visible chemiluminescence from rat brain homogenates undergoing autoxidation. I. Effect of additives and products accumulation. Lissi EA, et al. **J Free Radic Biol Med** 1986; 2(1):63–9

Halogenated hydrocarbon and hydroperoxide-induced peroxidation in rat tissue slices. Sano M, et al. **J Free Radic Biol Med** 1986;2(1):41–8

The generation of lipid peroxides by stimulated human neutrophils. Detection using phenol red oxidation. Maslen C, et al. **J Immunol Methods** 1987 Apr 2;98(1):71–6

Stimulatory effect of ciaplatin on production of lipid peroxidation in renal tissues. Sugihara K, et al. **Jpn J Pharmacol** 1987 Mar;43(3):247–52

Fluorescence formation and heme degradation at different stages of lipid peroxidation. Iio T, et al. **Life Sci** 1987 Jun 15;40(24):2297–302

Measurement of lipid peroxidation in vivo: a comparison of different procedures. Pompella A, et al. **Lipids** 1987 Mar; 22(3):206–11

Initiation and propagation of lipid peroxidation in cerebral infarction models. Experimental studies. Imaizumi S, et al. **Neurol Res** 1986 Dec;8(4):214–20

Chronic trifluoperazine treatment does not induce lipid peroxidation in the rat cortex. Dexter DT, et al. **Neurosci Lett** 1987 May 19;76(3):368–71

Changes in lipid peroxidation induced by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine and 1-methyl-4-phenylpyridinium in mouse brain homogenates. Ríos C, et al. **Neurosci Lett** 1987 Jun 26; 77(3):321–6

Cytotoxic lipid peroxidation products. Esterbauer H, et al. **Prog Clin Biol Res** 1987;236A:245–52

Oxygen radicals and lipid peroxidation in experimental shock. Till GO, et al. **Prog Clin Biol Res** 1987;236A:235–43 (26 ref.)

Effect of methyl mercury on prostaglandin synthesis in rabbit kidney medulla slices. Fujimoto Y, et al. **Res Commun Chem Pathol Pharmacol** 1986 Oct;54(1):115–9

MPTP potentiates iron-induced lipid peroxidation without the involvement of free radicals derived from oxygen. Poirier J, et al. **Res Commun Chem Pathol Pharmacol** 1987 Jun;56(3):387–99

The role of lipid peroxidation in endotoxin-induced hepatic damage and the protective effect of antioxidants. Sugino K, et al. **Surgery** 1987 Jun;101(6):746–52

Effects of 1,3-bis(2-chloroethyl)-1-nitrosoures (BCNU) on the levels of glutathione and lipid peroxidation and the activity of glutathione reductase in liver and lung. Nakagawa Y. **Toxicol Lett** 1987 Feb;35(2-3):269–75

Effect of prolonged administration of clofibric acid and di-(2-ethylhexyl)phthalate on hepatic enzyme activities and lipid peroxidation in the rat. Lake BG, et al. **Toxicology** 1987 May;44(2):213–28

Stimulation of cyclophosphamide-induced pulmonary microsomal lipid peroxidation by oxygen. Patel JM. **Toxicology** 1987 Jul;45(1):79–91

Nuclear lipid peroxidation induced in rat liver by T-2 mycotoxin. Ahmed N, et al. **Toxicon** 1986;24(9):947–9

[Features of lipid peroxidation and the antioxidant activity of amniotic fluid upon delivery of women with low-weight fetuses] Chernukha EA, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):31–2 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation as an effect of preparations used in anesthesiologic practice] Galeev FS, et al. **Anesteziol Reanimatol** 1986 Jul–Aug;(4):12–4 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation and free Fe2+ during ischemia and reoxygenation of the liver] Kozlov AV, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):165–7 (Eng. Abstr.) **(Rus)**

[Effect of pulmonary lipid peroxidation on the development of arterial hypoxemia in rats in the early posttraumatic period] Kulitskaia VI, et al. **Biull Eksp Biol Med** 1987 Aug; 104(8):157–60 (Eng. Abstr.) **(Rus)**

[Effect of central cholinolytics on the process of lipid peroxidation] Zatsepin EP, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):195–7 (Eng. Abstr.) **(Rus)**

[Role of the lipid peroxidation reaction in changes in the sensitivity of the liver of the rat to glucocorticoids during cold adaptation] Seliatitskaia VG, et al. **Fiziol Zh** 1986 Sep–Oct;32(5):533–7 (Eng. Abstr.) **(Rus)**

[Effect of insulin deficiency on the periodontal response to stress] Tarasenko LM, et al. **Fiziol Zh** 1987 Jan–Feb; 33(1):90–3 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation by rat brain synaptosomes in sleep disorders] Taranova NP, et al. **Fiziol Zh SSSR** 1986 Aug; 72(8):1065–8 (Eng. Abstr.) **(Rus)**

[Changes in free radical reactions of lipid peroxidation in response to industrial aerosols of different levels of fibrogenicity] Bezrukavnikova LM, et al. **Gig Sanit** 1987 Mar;(3):80–1 **(Rus)**

[Status of the lipid peroxidation and antioxidant defense systems of workers involved in the manufacture of graphite products] Bezrukavnikova LM, et al. **Gig Sanit** 1987 Apr; (4):33–6 (Eng. Abstr.) **(Rus)**

[Effect of furan compounds on microsomal oxidation] Tarasov VV, et al. **Gig Sanit** 1987 Apr;(4):79–80 **(Rus)**

[Role of lipid peroxidation in the pathogenesis of periodontal damage in stress] Tarasenko LM, et al. **Patol Fiziol Eksp Ter** 1986 Nov–Dec;(6):12–4 (Eng. Abstr.) **(Rus)**

[Indices of the hemostasis, leukocyte enzyme activity and lipid peroxidation of patients with essential hypertension] Mishchenko VP, et al. **Vrach Delo** 1987 Jan;(1):63–6 (Eng. Abstr.) **(Rus)**

[Role of the structuro-functional disorganization of cell membranes in the pathogenesis of strokes] Reikhert LI, et al. **Zh Nevropatol Psikhiatr** 1987;87(1):23–6 (Eng. Abstr.) **(Rus)**

[Disorders in the consolidation of temporary connections in the rat after chemical induction of lipid peroxidation and its prevention with the antioxidant ionol] Nurmukhambetov AN, et al. **Zh Vyssh Nerv Deiat** 1987 Mar–Apr;37(2):345–9 (Eng. Abstr.) **(Rus)**

BLOOD

Some investigations on the Zn(II)—red blood cell interaction. Ribarov SR, et al. **Acta Pharmacol Toxicol (Copenh)** 1986; 59 Suppl 7:482–5

Selenium status, glutathione peroxidase activity and lipid peroxides concentration in blood of multiple sclerosis patients. Zachara BA, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:446–9

Vitamin E content and lipid peroxidation of blood in some chronic inflammatory diseases. Mézes M, et al. **Acta Physiol Hung** 1987;69(1):133–8

Alcohol consumption and hepatic fibrosis affect the fatty acid composition of red blood cells and their susceptibility to lipid peroxidation. Clemens MR, et al. **Arch Toxicol** 1987; 60(1–3):167–9

In vitro aging of red blood cells and lipid peroxidation. Einsele H, et al. **Arch Toxicol** 1987;60(1–3):163–6

Uncoupling of oxidative leak formation from lipid peroxidation in the human erythrocyte membrane by antioxidants and desferrioxamine. Deuticke B, et al. **Biochim Biophys Acta** 1987 May 12;899(1):125–8

Inhibition of erythrocyte Ca2+-ATPase by activated oxygen through thiol- and lipid-dependent mechanisms. Hebbel RP, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):8–16

Inhibition of cell membrane lipid peroxidation by cadmium- and zinc-metallothioneins. Thomas JP, et al. **Biochim Biophys Acta** 1986 Dec 10;884(3):448–61

The antioxidant efficiency of vitamin C is concentration-dependent. Wayner DD, et al. **Biochim Biophys Acta** 1986 Oct 29;884(1):119–23

Role of heme compounds in the erythrocyte membrane damage induced by lipid hydroperoxide. Beppu M, et al. **Chem Pharm Bull (Tokyo)** 1986 Dec;34(12):5063–70

Lipoperoxides in plasma as measured by liquid-chromatographic separation of malondialdehyde-thiobarbituric acid adduct. Wong SH, et al. **Clin Chem** 1987 Feb;33(2 Pt 1):214–20

Effects of high-dose glucocorticoid on serum lipid-peroxide levels in acute renal-allograft rejection [letter] Hirano T, et al. **Clin Chim Acta** 1987 Apr 15;164(1):111–3

Paraquat as an agent affecting antioxidant enzymes of common carp erythrocytes. Matkovics B, et al. **Comp Biochem Physiol [C]** 1987;87(1):217–9

Erythrocyte and plasma lipid peroxides in chronic alcoholic patients. Uysal M, et al. **Drug Alcohol Depend** 1986 Dec; 18(4):385–8

Serum lipid peroxide assayed by a new colorimetric method. Tateishi T, et al. **Exp Gerontol** 1987;22(2):103–11

Erythrocyte lipid peroxidation and glutathione peroxidase activities in patients with diabetes mellitus. Uzel N, et al. **Horm Metab Res** 1987 Feb;19(2):89–90

Alteration in the levels of serum lipid peroxide, cyclooxygenase activity and free fatty acids in bronchial asthma. Tiwaskar HV, et al. **Indian J Chest Dis Allied Sci** 1986 Jul–Sep;28(3):122–5

Studies of the blood lipid peroxide status and vitamin E levels in patients with chronic active hepatitis and alcoholic liver disease. Mézes M, et al. **Int J Clin Pharmacol Res** 1986; 6(4):333–8

Lipid peroxidation in patients with essential hypertension. Uysal M, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Sep;24(9):474–6

Erythrocyte lipid peroxidation and (Na+ + K+)-ATPase activity in cholesterol fed rabbits. Uysal M. **Int J Vitam Nutr Res** 1986;56(3):307–10

Interrelationship between hemolysis and lipid peroxidation of human erythrocytes induced by silicic acid and silicate dusts. Singh SV, et al. **J Appl Toxicol** 1987 Apr;7(2):91–6

Oxygen radicals stimulate intracellular proteolysis and lipid peroxidation by independent mechanisms in erythrocytes. Davies KJ, et al. **J Biol Chem** 1987 Jun 15;262(17):8220–6

Oxidation of human low density lipoprotein results in derivatization of lysine residues of apolipoprotein B by lipid peroxide decomposition products. Steinbrecher UP. **J Biol Chem** 1987 Mar 15;262(8):3603–8

Determination of plasma lipoperoxides by high-performance liquid chromatography. Therasse J, et al. **J Chromatogr** 1987 Jan 23;413:237–41

Thallium induced changes in behavioral patterns: correlation with altered lipid peroxidation and lysosomal enzyme activity in brain regions of male rats. Brown DR, et al. **Toxicol Ind Health** 1985 Sep;1(1):81–98

[Determination of serum lipoperoxides in diabetes and their clinical significance] Luo ZT, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Jun;25(6):344–6, 381 (Eng. Abstr.) **(Chi)**

[Serum lipid peroxides in patients with blackfoot disease] Lu FJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Jan; 86(1):76–80 (Eng. Abstr.) **(Chi)**

[Thiobarbituric acid positive substances as indicators of lipid peroxidation] Müller G, et al. **Z Gesamte Inn Med** 1986 Dec 15;41(24):673–6 (Eng. Abstr.) **(Ger)**

[Lipid peroxides and other lipid metabolism parameters in the serum of children of parents with a past history of myocardial infarct] Szamosi T, et al. **Orv Hetil** 1987 Apr 19;128(16):837–40 (Eng. Abstr.) **(Hun)**

[Studies on the concentration of lipid peroxide in the plasma and erythrocytes during cardiopulmonary bypass] Tabata R, et al. **Nippon Geka Hokan** 1986 Mar 1;55(2):367–72 (Eng. Abstr.) **(Jpn)**

[Superoxide dismutase activity in red blood cell and lipid peroxides of red blood cell membrane and plasma of hemodialysis patients] Matsumoto J, et al. **Rinsho Byori** 1987 Mar;35(3):331–5 **(Jpn)**

[Lipid peroxides and antioxidants in the plasma of healthy persons and in patients with arteriosclerosis] Domagała B, et al. **Pol Arch Med Wewn** 1986 May;75(5):327–35 (Eng. Abstr.) **(Pol)**

[Effect of vitamin E on the changes in plasma lipid peroxides and platelet aggregation in patients with hyperlipoproteinemia] Dworski R, et al. **Pol Arch Med Wewn** 1986 Jun;75(6):393–401 (Eng. Abstr.) **(Pol)**

[Participation of lipid peroxidation in complement-mediated hemolysis] Borunov EV, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):556–7 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation and hyperfermentemia in bacterial lesions of the CNS] Roslyi IM, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):672–5 (Eng. Abstr.) **(Rus)**

[Effect of unithiol and acetylcysteine on lipid peroxidation and the erythrocyte antioxidant system in sensitized guinea pigs] Shleikin AG, et al. **Biull Eksp Biol Med** 1987 May; 103(5):548–50 (Eng. Abstr.) **(Rus)**

[Use of parameters characterizing lipid peroxidation activity in studying human adaptation to new climatic and geographic conditions] Ushkalova VN, et al. **Biull Eksp Biol Med** 1987 May;103(5):571–3 **(Rus)**

[Effect of tranquilizers on lipid peroxidation of biological membranes] Kudrin AN, et al. **Farmakol Toksikol** 1987 Jan–Feb;50(1):14–7 (Eng. Abstr.) **(Rus)**

[Effect of biogenic amines on triboluminescence and peroxidation indices in the blood of dogs] Baraboĭ VA, et al. **Fiziol Zh** 1987 Jul–Aug;33(4):108–11 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation and alpha-tocopherol concentration of the blood in hypoxia-adapted rabbits undergoing acute decompression] Sutkovoĭ DA. **Fiziol Zh** 1987 Jul–Aug; 33(4):93–5 **(Rus)**

[Status of lipid peroxidation in patients with silicosis] Bezrukavnikova LM, et al. **Gig Tr Prof Zabol** 1987 Jun; (6):28–31 (Eng. Abstr.) **(Rus)**

[Effect of polyunsaturated fatty acids on the functional properties of the thrombocytes and on lipid peroxidation in ischemic heart disease patients] Dudaev VA, et al. **Kardiologiia** 1987 Jun;27(6):79–83 (Eng. Abstr.) **(Rus)**

[Dynamics of the level of acylhydroperoxides and platelet aggregation in chronic ischemic heart disease and essential hypertension during treatment] Manak NA, et al. **Kardiologiia** 1986 Dec;26(12):93–6 (Eng. Abstr.) **(Rus)**

[Diurnal and seasonal rhythms of lipid peroxides and superoxide dismutase in the erythrocytes of inhabitants of middle-latitude regions and the extreme north] Suplotov SN, et al. **Lab Delo** 1986;(8):459–63 (Eng. Abstr.) **(Rus)**

[Effect of the intensity of lipid peroxidation on the phospholipid spectrum of the blood serum and erythrocyte membranes in diabetes mellitus in children] Iusubova AM, et al. **Pediatriia** 1987;(4):94 **(Rus)**

[Lipid peroxidation and liver function in nephrotuberculosis patients] Kazakov KS, et al. **Probl Tuberk** 1987;(4):57–9 (Eng. Abstr.) **(Rus)**

[Effect of ionizing radiation and Fe2+-induced peroxidation on the lipid phase of erythrocyte membrane preparations] Fomenko BS, et al. **Radiobiologiia** 1987 Jan–Feb;27(1):41–5 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation and the endogenous antioxidative system in chronic alcoholism] Zolotaia RD, et al. **Sov Med** 1987; (4):36–8 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation in cardiac insufficiency] Salfutdinov RI, et al. **Ukr Biokhim Zh** 1986 Sep–Oct;58(5):86–8 (Eng. Abstr.) **(Rus)**

[Study of lipid peroxidation processes in the blood of patients with vasculitis and spontaneous panniculitis and their correction with antioxidants] Ezhova MN, et al. **Vestn Dermatol Venerol** 1987;(6):14–7 (Eng. Abstr.) **(Rus)**

[Disorders of lipid peroxidation and of lysosomal hydrolase activity and their correction in psoriasis patients] Ivanova IP, et al. **Vestn Dermatol Venerol** 1987;(4):26–31 (Eng. Abstr.) **(Rus)**

[Value of studying lipid peroxidation processes in glaucoma] Zavadskaia IuS, et al. **Vestn Oftalmol** 1986 Sep–Oct; 102(5):6–8 (Eng. Abstr.) **(Rus)**

[Methods of determining lipid peroxidation products in the serum using a thiobarbituric acid test] Gavrilov VB, et al. **Vopr Med Khim** 1987 Jan–Feb;33(1):118–22 (Eng. Abstr.) **(Rus)**

[Characteristics of lipid composition, lipid peroxidation intensity and ATPase activity of lymphocytes in children with acute respiratory viral infections] Ivanova VV, et al. **Vopr Med Khim** 1986 Nov–Dec;32(6):111–5 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation and anti-oxidative systems of an organism in experimental streptococcal myocarditis and rheumocarditis] Kozlov GS, et al. **Vopr Med Khim** 1986 Sep–Oct;32(5):41–4 (Eng. Abstr.) **(Rus)**

[Various indices of lipid peroxidation in the blood of alloxan diabetic rats of different ages] Mazhul' LM. **Vopr Med Khim** 1987 Mar–Apr;33(2):41–4 (Eng. Abstr.) **(Rus)**

[Level of substances reacting with 2-thiobarbituric acid in the plasma of healthy people and patients with various endocrine diseases] Tishenina RS. **Vopr Med Khim** 1987 Jan–Feb;33(1):72–5 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation, its relation to levels serum non-heminic iron and circulatory function of the liver in hepatitis B] Diadik VP. **Vrach Delo** 1986 Aug;(8):118–21 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation and metabolism in viral hepatitis B and liver cirrhosis] Diadik VP, et al. **Vrach Delo** 1986 Nov; (11):114–7 (Eng. Abstr.) **(Rus)**

[Indices of conjunctival vessel biomicroscopy and of lipid peroxidation in stenocardia patients] Gorb GD, et al. **Vrach Delo** 1987 Apr;(4):47–9 (Eng. Abstr.) **(Rus)**

[Activation of lipid peroxidation in the bodies of schizophrenic and manic-depressive patients] Prilipko LL, et al. **Zh Nevropatol Psikhiatr** 1987;87(1):100–3 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Lipid peroxidation and Parkinson's disease [letter] Pall HS, et al. **Lancet** 1986 Oct 11;2(8511):870–1

METABOLISM

Metals and lipid peroxidation. Sunderman FW Jr. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:248–55

Inhibition of phospholipid hydrolysis by soluble phospholipase A2 in biological membranes of different origin after lipid peroxidation. Balevska PS, et al. **Acta Physiol Pharmacol Bulg** 1986;12(3):58–65

Indole-3-carbinol inhibits lipid peroxidation in cell-free systems. Shertzer HG, et al. **Adv Exp Med Biol** 1986; 197:347–56

Glutathione peroxidase and reactive oxygen species in TCDD-induced lipid peroxidation. Stohs SJ, et al. **Adv Exp Med Biol** 1986;197:357–65

Vitamin A at pharmacologic doses ameliorates the membrane lipid peroxidation injury and testicular atrophy that occurs with chronic alcohol feeding in rats. Rosenblum ER, et al. **Alcohol Alcohol** 1987;22(3):241–9

Breath pentane analysis as an index of lipid peroxidation: a functional test of vitamin E status. Lemoyne M, et al. **Am J Clin Nutr** 1987 Aug;46(2):267–72

Role of lipid peroxidation in gastric mucosal lesions induced by HCl, NaOH, or ischemia. Kusterer K, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):G811–6

Ethene (ethylene) and ethane exhalation in Ni[II]-treated rats, using an improved rebreathing apparatus. Knight JA, et al. **Ann Clin Lab Sci** 1986 Sep–Oct;16(5):386–94

Ascorbic acid, redox cycling, lipid peroxidation, and the binding of dopamine receptor antagonists. Heikkila RE, et al. **Ann NY Acad Sci** 1987;498:63–76

Oxidation of esterified arachidonate by rat liver microsomes. Davis HW, et al. **Arch Biochem Biophys** 1987 Jan; 252(1):218–28

Distinct temporal relation among oxygen uptake, malondialdehyde formation, and low-level chemiluminescence during microsomal lipid peroxidation. Noll T, et al. **Arch Biochem Biophys** 1987 Jan;252(1):284–91

Carbon-centered free radical intermediates in the hematin- and ram seminal vesicle-catalyzed decomposition of fatty acid hydroperoxides. Schreiber J, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):17–24

Quinone formation from carcinogenic benzo[a]pyrene mediated by lipid peroxidation in phosphatidylcholine liposomes. Terao J, et al. **Arch Biochem Biophys** 1987 May 1;254(2):472–81

The mechanism of cumene hydroperoxide-dependent lipid peroxidation: the significance of oxygen uptake. Weiss RH, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):336–47

The mechanism of cumene hydroperoxide-dependent lipid peroxidation: the function of cytochrome P-450. Weiss RH, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):348–60

Transformation of an arachidonic acid hydroperoxide into epoxyhydroxy and trihydroxy fatty acids by liver microsomal cytochrome P-450. Weiss RH, et al. **Arch Biochem Biophys** 1987 Jan;252(1):334–8

No evidence for lysophospholipid formation during peroxidation of phospholipids by NADPH-cytochrome P-450 reductase and iron ions. Kostrucha J, et al. **Arch Toxicol** 1987;60(1-3):170–3

The role of lipid peroxidation in pathogenesis of arrhythmias and prevention of cardiac fibrillation with antioxidants. Meerson FZ, et al. **Basic Res Cardiol** 1987 Mar–Apr; 82(2):123–37

Decreased lipid peroxidation in the rat kidney during gestation. Devasagayam TP, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):134–8

Effects of dietary selenium on lipid peroxidation, mitochondrial function and protein profiles in the heart of the myopathic Syrian golden hamster (BIO 14.6). Jamall IS, et al. **Biochem Biophys Res Commun** 1987 Apr 29; 144(2):815–20

Anti-lipoperoxidation action of food restriction. Laganiere S, et al. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1185–91

The effect of EDTA-Fe(III) complexes with different chemical structure on the lipid peroxidation in brain microsomes. Marton A, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):211–7

Novel and potent biological antioxidants on membrane phospholipid peroxidation: 2-hydroxy estrone and 2-hydroxy estradiol. Nakano M, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):919–24

Protective effect of endogenous coenzyme Q on both lipid peroxidation and respiratory chain inactivation induced by an adriamycin-iron complex. Solaini G, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):572–80

Occurrence of 4-hydroxyalkenals in rat tissues determined as pentafluorobenzyl oxime derivatives by gas chromatography-mass spectrometry. van Kuijk FJ, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):144–9

The stimulatory effects of asbestos on NADPH-dependent lipid peroxidation in rat liver microsomes. Fontecave M, et al. **Biochem J** 1987 Jan 15;241(2):561–5

Studies on the effects of the narcotic alkaloids, cocaine, morphine, and codeine on nonenzymatic lipid peroxidation in rat brain mitochondria. Das NP, et al. **Biochem Med Metab Biol** 1987 Apr;37(2):258–64

NADPH- and linoleic acid hydroperoxide-induced lipid peroxidation and destruction of cytochrome P-450 in hepatic microsomes. Iba MM, et al. **Biochem Pharmacol** 1987 May 1;36(9):1447–55

The role of acrolein in allyl alcohol-induced lipid peroxidation and liver cell damage in mice. Jaeschke H, et al. **Biochem Pharmacol** 1987 Jan 1;36(1):51–7

A possible role for membrane lipid peroxidation in anthracycline nephrotoxicity. Mimnaugh EG, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4327–35

Potentiation by reduced glutathione of adriamycin-stimulated lipid peroxidation in kidney microsomes. Mimnaugh EG. **Biochem Pharmacol** 1986 Dec 1;35(23):4337–9

Failure of inhibition of lipid peroxidation by vitamin E to protect against gentamicin nephrotoxicity in the rat. Ramsammy LS, et al. **Biochem Pharmacol** 1987 Jul 1; 36(13):2125–32

Effect of oxygen tension on the generation of alkanes and malondialdehyde by peroxidizing rat liver microsomes. Reiter R, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):925–9

The mechanism of prevention of paracetamol-induced hepatotoxicity by 3,5-dialkyl substitution. The roles of glutathione depletion and oxidative stress. van de Straat R, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2065–70

Is chemiluminescence an index of hepatic lipoperoxidation accompanying chloroform anesthesia? Cohen PJ, et al. **Biochim Biophys Acta** 1986 Dec 10;884(3):517–9

Hydroperoxide metabolism in trout gill tissue: effect of glutathione on lipoxygenase products generated from arachidonic acid and docosahexaenoic acid. German JB, et al. **Biochim Biophys Acta** 1986 Dec 5;879(3):378–87

Lipid peroxidation and cytotoxicity of Ehrlich ascites tumor cells by ferric nitrilotriacetate. Nakamoto S, et al. **Biochim Biophys Acta** 1986 Oct 31;889(1):15–22

A change in the lipid fluidity of the porcine intestinal brush-border membranes by lipid peroxidation. Studies using pyrene and fluorescent stearic acid derivatives. Ohyashiki T, et al. **Biochim Biophys Acta** 1986 Oct 9; 861(2):311–8

Age-related development profiles of the antioxidative defense system and the peroxidative status of the pig heart. Das DK, et al. **Biol Neonate** 1987;51(3):156–69

Protective effect of vitamin E against lipoperoxides in developing rats. Yoshioka T, et al. **Biol Neonate** 1987; 51(3):170–6

Lipid peroxidation in liver and colon of methylazoxymethanol treated rats. Deschner EE, et al. **Cancer Biochem Biophys** 1986 Dec;9(1):25–9

Nitrogen metabolism and lipid peroxidation during hyperthermic perfusion of human livers with cancer. Skibba JL, et al. **Cancer Res** 1986 Nov;46(11):6000–3

Oxidation of (+)-7,8-dihydroxy-7,8-dihydrobenzo[a]pyrene by mouse keratinocytes: evidence for peroxyl radical- and monoxygenase-dependent metabolism. Eling T, et al. **Carcinogenesis** 1986 Dec;7(12):1957–63

Lack of DNA damage or lipid peroxidation measured in vivo in the rat liver following treatment with peroxisomal proliferators. Elliott BM, et al. **Carcinogenesis** 1987 Sep; 8(9):1213–8

Fatty acid composition of phospholipids and neutral lipids and lipid peroxidation in human breast cancer and lipoma tissue. Hietanen E, et al. **Carcinogenesis** 1986 Dec; 7(12):1965–9

Role of lipid peroxidation in post-traumatic spinal cord degeneration: a review. Hall ED, et al. **Cent Nerv Syst Trauma** 1986 Fall;3(4):281–94 (51 ref.)

Lipid peroxidation and molecular damage to polyunsaturated fatty acids in rat liver. Recognition of two classes of hydroperoxides formed under conditions in vivo. Corongiu FP, et al. **Chem Biol Interact** 1986 Sep;59(2):147–55

Effect of 6-(10-hydroxydecyl)-2,3-dimethoxy-5-methyl-1,4-benzoquinone (CV-2619) on microsomal lipid peroxidation. Okamoto K, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul; 34(7):2821–7

Studies on protection by glutathione against lipid peroxidation in rat liver microsomes. Effect of bromosulfophthalein. Yonaha M, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4195–201

Inhibition of lipid peroxidation improves survival rate of endotoxemic rats. Kunimoto F, et al. **Circ Shock** 1987; 21(1):15–22

Development of a method to monitor low molecular mass hydrocarbons in exhaled breath of man: preliminary evaluation of its interest for detecting a lipoperoxidation process in vivo. Hotz P, et al. **Clin Chim Acta** 1987 Feb 15;162(3):303–10

Membrane lipid peroxidation in erythrocytes of the newborn. Jain SK. **Clin Chim Acta** 1986 Dec 30;161(3):301–6

Red blood cell lipid peroxidation in predialysis chronic renal failure. Taccone-Gallucci M, et al. **Clin Nephrol** 1987 May; 27(5):238–41

Desferrioxamine reduces susceptibility to lipid peroxidation in rabbit kidneys subjected to warm ischaemia and reperfusion. Green CJ, et al. **Comp Biochem Physiol [B]** 1986;85(1):113–7

Initiation of lipid peroxidation in biological systems. Kanner J, et al. **CRC Crit Rev Food Sci Nutr** 1987;25(4):317–64 (354 ref.)

Evaluation of cisplatin-induced lipid peroxidation in rat renal tissues by means of slice technique. Gemba M, et al. **Dev Toxicol Environ Sci** 1986;14:169–77

Renal lipid peroxidation induced by allopurinol-administration in rats. Suzuki Y, et al. **Dev Toxicol Environ Sci** 1986;14:65–72

Depressed selenium and vitamin E levels in an alcoholic population. Possible relationship to hepatic injury through increased lipid peroxidation. Tanner AR, et al. **Dig Dis Sci** 1986 Dec;31(12):1307–12

The effect of chronic ethanol ingestion on brain lipid peroxide and glutathione levels in rats. Uysal M, et al. **Drug Alcohol Depend** 1986 Sep;18(1):73–5

Lipid peroxidation is not a major factor involved in the edema formation in perfused lungs. Risberg B, et al. **Eur Surg Res** 1987;19(3):164–70

Effect of chronic ethanol treatment on peroxisomal acyl-CoA oxidase activity and lipid peroxidation in rat liver and heart. Panchenko LF, et al. **Experientia** 1987 May 15;43(5):580–1

Cell-mediated cytotoxicity by natural killer and killer cells, lipid peroxidation and glutathione. Younes M, et al. **Experientia** 1986 Dec 1;42(11–12):1257–9

Restoration of hydroperoxide-dependent lipid peroxidation by 3-methylcholanthrene induction of cytochrome P-448 in hepatoma microsomes. Borrello S, et al. **FEBS Lett** 1986 Dec 15;209(2):305–10

Lipid peroxidation in regenerating rat liver. Cheeseman KH, et al. **FEBS Lett** 1986 Dec 15;209(2):191–6

Nitrofuran inhibition of microsomal lipid peroxidation. Dubin M, et al. **FEBS Lett** 1987 Aug 10;220(1):197–200

Effect of chronic ethanol consumption on microsomal lipid peroxidation. Role of iron and comparison between controls. Krikun G, et al. **FEBS Lett** 1986 Nov 24; 208(2):292–6

The effect of selenium deficiency on peroxidative injury in the house fly, Musca domestica. A role for glutathione peroxidase. Simmons TW, et al. **FEBS Lett** 1987 Jun 29; 218(2):251–4

Estrogens as natural antioxidants of membrane phospholipid peroxidation. Sugioka K, et al. **FEBS Lett** 1987 Jan 1; 210(1):37–9

Iron binding to microsomes and liposomes in relation to lipid peroxidation. Vile GF, et al. **FEBS Lett** 1987 May 4; 215(1):151–4

Methodology for studying antioxidant activity and mechanisms of action of antioxidants. Kahl R, et al. **Food Chem Toxicol** 1986 Oct-Nov;24(10–11):1007–14 (31 ref.)

Human placental lipid peroxidation—II. NADPH and iron dependent stimulation of microsomal lipid peroxidation by paraquat. Kenel MF, et al. **Gen Pharmacol** 1987;18(4):373–8

Evidence for lipid peroxidation in man following paraquat ingestion. Situnayake RD, et al. **Hum Toxicol** 1987 Jan; 6(1):94–8

Hepatic superoxide dismutase-catalase system and lipid peroxidation during turpentine-induced acute inflammation

in rats [published erratum appears in Indian J Biochem Biophys 1986 Dec;23(6):preceding 303] Nadkarni GD, et al. **Indian J Biochem Biophys** 1986 Aug;23(4):238–9

Effect of amphotericin B & paromomycin on lipid peroxidation & enzymes in experimental acanthamoebic meningoencephalitis. Rai RD, et al. **Indian J Med Res** 1986 Aug;84:187–90

The inhibitory effect of succinate on radiation–enhanced mitochondrial lipid peroxidation. Ronai E, et al. **Int J Radiat Biol** 1987 Apr;51(4):611–7

Radiation–induced lipid peroxidation: influence of oxygen concentration and membrane lipid composition. Wolters H, et al. **Int J Radiat Biol** 1987 Apr;51(4):619–28

Possible role of aldehydic lipid peroxidation products as chemoattractants. Curzio M, et al. **Int J Tissue React** 1987; 9(4):295–306

Stimulation of lipid peroxidation and impairment of glutathione–dependent defence system in the liver of rats repeatedly treated with carbon tetrachloride. Süha Yalçin A, et al. **J Appl Toxicol** 1986 Aug;6(4):303–6

Combined effect of ethanol and carbon disulphide on cytochrome P–450 mono–oxygenase, lipid peroxidation and ultrastructure of the liver in chronically exposed rats. Wrońska–Nofer T, et al. **J Appl Toxicol** 1986 Aug; 6(4):297–302

Effect of clofibrate on lipid peroxidation in rats treated with aspirin and 4–pentenoic acid. Nakagawa M, et al. **J Biochem (Tokyo)** 1987 Jan;101(1):81–8

Effect of succinate on mitochondrial lipid peroxidation. 1. Comparative studies on ferrous ion and ADP . Fe/NADPH–induced peroxidation. Szabados G, et al. **J Bioenerg Biomembr** 1987 Feb;19(1):21–30

Effect of succinate on mitochondrial lipid peroxidation. 2. The protective effect of succinate against functional and structural changes induced by lipid peroxidation. Tretter L, et al. **J Bioenerg Biomembr** 1987 Feb;19(1):31–44

The role of phospholipase A activity in rat liver microsomal lipid peroxidation. Beckman JK, et al. **J Biol Chem** 1987 Feb 5;262(4):1479–84

Novel 21–amino steroids as potent inhibitors of iron–dependent lipid peroxidation. Braughler JM, et al. **J Biol Chem** 1987 Aug 5;262(22):10438–40

Lipoprotein–mediated inhibition of endothelial cell production of platelet–derived growth factor–like protein depends on free radical lipid peroxidation. Fox PL, et al. **J Biol Chem** 1987 May 5;262(13):6046–54

The requirement for iron (III) in the initiation of lipid peroxidation by iron (II) and hydrogen peroxide. Minotti G, et al. **J Biol Chem** 1987 Jan 25;262(3):1098–104

Quantitative alterations in the metabolism of carbonyl compounds due to diet–induced lipid peroxidation in rats. Yancey M, et al. **J Chromatogr** 1986 Oct 31;382:47–56

Organophosphate dichlorvos induced dose–related differential alterations in lipid levels and lipid peroxidation in various regions of the fish brain and spinal cord. Vadhva P, et al. **J Environ Sci Health [B]** 1986 Oct;21(5):413–24

Iron–induced peroxidative injury to isolated rat hepatic mitochondria. Bacon BR, et al. **J Free Radic Biol Med** 1986;2(5–6):339–47

Association between lipid peroxidation and life–modifying factors in rotifers. Sawada M, et al. **J Gerontol** 1987 Jul; 42(4):451–6

Lipid peroxidative potency of photosensitized thiazide diuretics. Matsuo I, et al. **J Invest Dermatol** 1986 Nov; 87(5):637–41

Ferrite particles: a new magnetic resonance imaging contrast agent. Lack of acute or chronic hepatotoxicity after intravenous administration. Bacon BR, et al. **J Lab Clin Med** 1987 Aug;110(2):164–71

Modification of iron uptake and lipid peroxidation by hypoxia, ascorbic acid, and alpha–tocopherol in iron–loaded rat myocardial cell cultures. Hershko C, et al. **J Lab Clin Med** 1987 Sep;110(3):355–61

Effects of copper deficiency on carbon tetrachloride–induced lipid peroxidation. Lawrence RA, et al. **J Lab Clin Med** 1987 Feb;109(2):134–40

Conjugated dienes in ischemic and reperfused myocardium: an in vivo chemical signature of oxygen free radical mediated injury. Romaschin AD, et al. **J Mol Cell Cardiol** 1987 Mar;19(3):289–302

Effects of methylprednisolone and the combination of alpha–tocopherol and selenium on arachidonic acid metabolism and lipid peroxidation in traumatized spinal cord tissue. Saunders RD, et al. **J Neurochem** 1987 Jul; 49(1):24–31

Influences of dietary restriction and age on liver enzyme activities and lipid peroxidation in mice. Koizumi A, et al. **J Nutr** 1987 Feb;117(2):361–7

Garlic extract inhibits the enhanced peroxidation and production of lipids in carbon tetrachloride–induced liver injury. Kagawa K, et al. **Jpn J Pharmacol** 1986 Sep; 42(1):19–26

Effect of cisplatin on in vitro production of lipid peroxides in rat kidney cortex. Sugihara K, et al. **Jpn J Pharmacol** 1987 May;44(1):71–6

Evidence of enhanced lipid peroxidation in the cerebrospinal fluid of patients taking phenothiazines. Pall HS, et al. **Lancet** 1987 Sep 12;2(8559):596–9

Free radicals, lipid peroxidation, and Parkinson's disease [letter] Smith MT, et al. **Lancet** 1987 Jan 3;1(8523):38

Lipid peroxidation in erythrocyte membranes: cholesterol product analysis in photosensitized and xanthine oxidase–catalyzed reactions. Girotti AW, et al. **Lipids** 1987 Jun;22(6):401–8

Effects of oltipraz, BHA, ADT and cabbage on glutathione metabolism, DNA damage and lipid peroxidation in old mice. Stohs SJ, et al. **Mech Ageing Dev** 1986 Dec; 37(2):137–45

Can lipid peroxidation damage the amputated digit prior to replantation? Narayanan K, et al. **Med Hypotheses** 1987 May;23(1):59–60

Investigation of mechanisms of acetaminophen toxicity in isolated rat hepatocytes with the acetaminophen analogues 3,5–dimethylacetaminophen and 2,6–dimethylacetaminophen. Porubek DJ, et al. **Mol Pharmacol** 1987 Jun;31(6):647–53

Lipid peroxidation and superoxide dismutase–1 and glutathione peroxidase activities in trisomy 16 fetal mice and human trisomy 21 fibroblasts. Annerén KG, et al. **Pediatr Res** 1987 Jan;21(1):88–92

Lipid peroxidation induced by N–acety. ysteine in isolated rat hepatocytes. Dore M, et al. **Pharmacol Res Commun** 1986 Aug;18(8):699–705

Hydroperoxide metabolism in vitamin E–deficient hepatocytes. Studies on low–level chemiluminescence, lipid peroxidation, and glutathione status. Romero FJ, et al. **Pharmacol Ther** 1987;33(1):179–86

Malathion induced alterations in the lipid profile and the rate of lipid peroxidation in rat brain and spinal cord. Haque N, et al. **Pharmacol Toxicol** 1987 Jul;61(1):12–5

Effects of cadmium on superoxide dismutase and lipid peroxidation in liver and kidney of growing rats: in vivo and in vitro studies. Hussain T, et al. **Pharmacol Toxicol** 1987 May;60(5):355–8

Free radical mechanisms in relation to tissue injury. Slater TF, et al. **Proc Nutr Soc** 1987 Feb;46(1):1–12

Oxygen free radical mechanisms in rats treated with the epileptogenic drug, U18,666A. Ehler KW, et al. **Proc West Pharmacol Soc** 1986;29:325–8

Effect of acute 3,3'–dichlorobenzidine administration on rat hepatic enzymic and nonenzymic microsomal lipid peroxidation and antioxidant status. Iba MM. **Res Commun Chem Pathol Pharmacol** 1987 May; 56(2):243–52

Acute thymic involution and increased lipoperoxides in thymus of nickel chloride–treated rats. Knight JA, et al. **Res Commun Chem Pathol Pharmacol** 1987 Mar; 55(3):291–302

The role of lipid peroxidation in the chemical–dependent activation of hepatic phospholipase C in vitro. Snyder JW, et al. **Res Commun Chem Pathol Pharmacol** 1987 Jan; 55(1):3–16

Inhibition of lipid peroxidation by superoxide dismutase following regional intestinal ischemia and reperfusion. Younes M, et al. **Res Exp Med (Berl)** 1987;187(1):9–17

Breathing 100% oxygen after global brain ischemia in Mongolian Gerbils results in increased lipid peroxidation and increased mortality. Mickel HS, et al. **Stroke** 1987 Mar–Apr;18(2):426–30

The oxidation of alpha–beta unsaturated aldehydic products of lipid peroxidation by rat liver aldehyde dehydrogenases. Mitchell DY, et al. **Toxicol Appl Pharmacol** 1987 Mar 15; 87(3):403–10

The role of iron in 2,3,7,8–tetrachlorodibenzo–p–dioxin–induced lipid peroxidation by rat liver microsomes. Al–Bayati ZA, et al. **Toxicol Lett** 1987 Sep;38(1–2):115–21

New data on kinetics of lipid peroxidation in experimental hepatomas and preneoplastic nodules. Dianzani MU, et al. **Toxicol Pathol** 1986;14(4):404–10

Elevated lipid peroxidation in rats induced by dietary lipids and N–nitrosodimethylamine and its inhibition by indomethacin monitored via ethane exhalation. Hietanen E, et al. **Toxicol Pathol** 1987;15(1):93–6

Free radical injury and liver tumor promotion. Perera MI, et al. **Toxicol Pathol** 1987;15(1):51–9 (47 ref.)

Dose–dependent study of the effects of acute lindane administration on rat liver superoxide anion production, antioxidant enzyme activities and lipid peroxidation. Junqueira VB, et al. **Toxicology** 1986 Oct;41(2):193–204

Silver–induced lipid peroxidation in mice: interactions with selenium and nickel. Rungby J. **Toxicology** 1987 Aug; 45(2):135–42

Effects of carbon tetrachloride on the liver of chickens. Early biochemical and ultrastructural alterations in the absence of detectable lipid peroxidation. Bernacchi AS, et al. **Xenobiotica** 1987 Feb;17(2):223–8

[Effects of 4 psychotropic drugs and 4 central neurotransmitters on lipid peroxidation in the human erythrocyte membrane] Song TS, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jul;7(4):308–11 (Eng. Abstr.) **(Chi)**

[Study of a marker of free radical activity in myocardial infarction and in the prodromal syndrome] Fechner J, et al. **Ann Cardiol Angeiol (Paris)** 1986 Oct 15;35(7 Pt 2):435–8 (Eng. Abstr.) **(Fre)**

[Free radical scavenging agents in myocardial protection during cardiac surgery] Menasche P, et al. **Ann Cardiol Angeiol (Paris)** 1986 Oct 15;35(7 Pt 2):447–52 (Eng. Abstr.) **(Fre)**

[Lipid peroxidation, free radicals and alcoholic liver diseases] Darmoni SJ, et al. **Gastroenterol Clin Biol** 1986 Nov; 10(11):752–9 (77 ref.) **(Fre)**

[Lipid peroxidation in the irradiated lung of a mouse] Hashimura T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Feb 25; 47(2):326–8 (Eng. Abstr.) **(Jpn)**

[Role of lipid peroxidation in the formation of acute gastric mucosal lesions after burn stress] Yoshida N. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul;83(7):1408 **(Jpn)**

[Correlation with lipid peroxidation, brain energy metabolism and brain edema in cerebral ischemia] Uenohara H, et al. **No To Shinkei** 1987 Mar;39(3):205–12 (Eng. Abstr.) **(Jpn)**

[Effect of increased environmental temperature on basic parameters of peripheral arterial blood and lipid peroxidation in the cerebral cortex of rabbits] Gordon–Majszak W, et al. **Neuropatol Pol** 1986; 24(4):531–43 (Eng. Abstr.) **(Pol)**

[Effect of hyperthermia on calcium transport and the level of lipid peroxidation products in subcellular fractions of the cerebral cortex of rabbits] Lazarewicz JW, et al. **Neuropatol Pol** 1986;24(4):545–56 (Eng. Abstr.) **(Pol)**

[Lipid peroxidation as a factor in testicular damage in rats after chronic administration of ethyl alcohol] Jendryczko A, et al. **Przegl Lek** 1986;43(12):741–4 (Eng. Abstr.) **(Pol)**

[Cataract induction by products of lipid peroxidation] Babizhaev MA, et al. **Biofizika** 1987 Jan–Feb;32(1):121–4 (Eng. Abstr.) **(Rus)**

[Evidence of the oxidation of unsaturated fatty acids in cataracts] Babizhaev MA, et al. **Biokhimiia** 1986 Oct; 51(10):1702–7 (Eng. Abstr.) **(Rus)**

[Stability of lipid oxidation products in the rat liver and pathways of their utilization] Kostiuk VA. **Biokhimiia** 1986 Aug;51(8):1392–7 (Eng. Abstr.) **(Rus)**

[Activation of peroxisomal acyl–CoA oxidase and lipid peroxidation in the rat myocardium as affected by prolonged administration of ethanol] Antonenkov VD, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):550–2 (Eng. Abstr.) **(Rus)**

[Crystalline lens induction of lipid peroxidation] Babizhaev MA, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):38–40 (Eng. Abstr.) **(Rus)**

[Antioxidative enzyme activity and metabolism of peroxide compounds in the crystalline lens during cataractogenesis] Babizhaev Ma, et al. **Biull Eksp Biol Med** 1987 Feb; 103(2):143–6 (Eng. Abstr.) **(Rus)**

[Effect of stress experienced during pregnancy on the rate of lipid peroxidation in erythrocytes and brain tissue of newborn rat pups] Bankova VV, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):40–3 (Eng. Abstr.) **(Rus)**

[Effect of visual cortex stimulation on lipid peroxidation in the rabbit retina] Dzhafarov AI, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):289–91 (Eng. Abstr.) **(Rus)**

[Possible mechanisms of the activation of the lipid peroxidation reaction in the vitreous body in hemorrhage] Efendiev NM, et al. **Biull Eksp Biol Med** 1987 May; 103(5):569–71 (Eng. Abstr.) **(Rus)**

[Effect of clorgyline on the intensity of lipid peroxidation and on erythrocyte membrane stability in hyperoxia] Goroshinskaia NA, et al. **Biull Eksp Biol Med** 1987 Jan; 103(1):54–6 (Eng. Abstr.) **(Rus)**

[Antioxidant effect of high–density lipoproteins in the peroxidation of low–density lipoproteins] Klimov AN, et al. **Biull Eksp Biol Med** 1987 May;103(5):550–2 (Eng. Abstr.) **(Rus)**

[Role of mitochondrial peroxidation of lipids in their hydrolysis by endogenous phospholipase A2] Marzoev A, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):35–8 (Eng. Abstr.) **(Rus)**

[Effect of vagotomy, alpha–tocopherol and arachidene on lipid peroxidation in various areas of the gastroduodenal zone in rats with experimental peptic ulcer] Morenkova SA, et al. **Biull Eksp Biol Med** 1987 May;103(5):532–4 (Eng. Abstr.) **(Rus)**

[Effect of ethanol and the catalase inhibitor aminotriazole on lipid peroxidation in the rat myocardium] Panchenko LF, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):407–10 (Eng. Abstr.) **(Rus)**

[Detection by thermal denaturation of damages to the Na pump in the myocardial sarcolemma in stress and the role of lipid peroxidation in this process] Sazontova TG. **Biull Eksp Biol Med** 1986 Dec;102(12):685–7 (Eng. Abstr.) **(Rus)**

[Effectiveness of lipid peroxidation inhibition in biomembranes by antioxidants with and without hydrocarbon chains] Serbinova EA, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):419–21 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation as a major factor in the modification of the catalytic function of Ca–ATPase of the sarcoplasmic reticulum in hypercholesterolemia] Tverdislova IL, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):415–8 (Eng. Abstr.) **(Rus)**

[Mechanism of the membrane–stabilizing effect of 1–(chloromethyl)silatrane] Pisarskiĭ IuV, et al. **Dokl Akad Nauk SSSR** 1987;293(3):724–7 **(Rus)**

[Effect of cyclophosphane on bile formation and lipid peroxidation in the liver] Oleĭnik AV. **Farmakol Toksikol** 1986 Jul–Aug;49(4):51–4 (Eng. Abstr.) **(Rus)**

[Effect of antioxidants on lipid peroxidation and on liver

function in patients with pulmonary tuberculosis] Skakun NL, et al. **Farmakol Toksikol** 1986 Sep-Oct;49(5):112-4 (Eng. Abstr.) **(Rus)**

[Relation between the cytotoxic effect of silicosogenic dusts and intensified lipid peroxidation in macrophages] Kislitsina NS. **Gig Tr Prof Zabol** 1986 Sep;(9):12-6 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation in salmonellosis] Okonenko LB. **Lab Delo** 1987;(1):55-8 (Eng. Abstr.) **(Rus)**

[Free fatty acid levels and lipid peroxidation after exposure to cold and administration of alpha-tocopherol] Linchevskaia AA, et al. **Patol Fiziol Eksp Ter** 1986 Sep-Oct;(5):10-2 (Eng. Abstr.) **(Rus)**

[Effect of radiomodifiers on lipid peroxidation and the structural-functional state of irradiated mitochondria] Sellanov AS, et al. **Radiobiologiia** 1987 Mar-Apr; 27(2):242-5 (Eng. Abstr.) **(Rus)**

[Effect of 2-amino-2-thiazoline on the level of lipid peroxidation products in different yeast species] Zolotareva LT, et al. **Radiobiologiia** 1987 Mar-Apr;27(2):189-94 (Eng. Abstr.) **(Rus)**

[Effect of lipid peroxidation on the insulin receptor in rat adipocytes] Ivanov VV, et al. **Ukr Biokhim Zh** 1987 Mar-Apr;59(2):57-61 (Eng. Abstr.) **(Rus)**

[Peroxidation of biomembrane lipids and its enzymatic regulation during aging in the rat] Lemeshko VV, et al. **Ukr Biokhim Zh** 1987 Mar-Apr;59(2):50-7 (Eng. Abstr.) **(Rus)**

[Lipid hydroperoxide levels in the heart and liver of rats of various ages] Lemeshko VV, et al. **Ukr Biokhim Zh** 1986 Nov-Dec;58(6):67-70 (Eng. Abstr.) **(Rus)**

[Effect of various thiamine supplies of the body on the enzyme activity in the metabolism of xenobiotics and lipid peroxidation in rat liver microsomes] Lychko AP, et al. **Ukr Biokhim Zh** 1987 Jan-Feb;59(1):44-9 (Eng. Abstr.) **(Rus)**

[Role of peroxidation of membrane lipids in the pathogenesis of discoid lupus erythematosus] Akimov VG. **Vestn Dermatol Venerol** 1987;(6):7-9 (Eng. Abstr.) **(Rus)**

[Effect of gonococcal infection on lipid peroxidation and antioxidative activity of the blood and genital secretions in women] Polkanov VS, et al. **Vestn Dermatol Venerol** 1987;(4):31-4 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the effect of vitamin E deficiency on lipid peroxidation and Ca2+ transport in heart and skeletal muscles] Arkhipenko IuV, et al. **Vopr Med Khim** 1987 Jan-Feb;33(1):122-7 (Eng. Abstr.) **(Rus)**

[Modification of membrane structures in cataract] Babizhaev MA, et al. **Vopr Med Khim** 1987 Mar-Apr;33(2):125-32 (Eng. Abstr.) **(Rus)**

[Mechanisms of activation of lipid peroxidation and mobilization of the endogenous antioxidant alpha-tocopherol in stress] Golikov PP, et al. **Vopr Med Khim** 1987 Jan-Feb;33(1):47-50 (Eng. Abstr.) **(Rus)**

[Effect of methyluracil on lipid peroxidation in the plasma and tissue homogenates from ulcer lesions of the gastric wall in rats] Kuznetsov IG, et al. **Vopr Med Khim** 1987 May-Jun;33(3):77-81 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation and antioxidant systems in cat periodontal tissues] Levitskii AP, et al. **Vopr Med Khim** 1987 Jan-Feb; 33(1):107-11 (Eng. Abstr.) **(Rus)**

[Effect of lipid peroxidation on the Mg-ATPase activity of the brain and liver] Lunets EF, et al. **Vopr Med Khim** 1986 Jul-Aug;32(4):32-5 (Eng. Abstr.) **(Rus)**

[The role of free radical oxidation processes in the morphogenesis of axons of regenerating nerves] Radlinskaia VN, et al. **Vopr Med Khim** 1986 Nov-Dec;32(6):58-60 (Eng. Abstr.) **(Rus)**

[The role of lipid peroxidation in the process of thermal inactivation of tissue thromboplastin] Svintenok GIu, et al. **Vopr Med Khim** 1986 Nov-Dec;32(6):80-1 (Eng. Abstr.) **(Rus)**

[Acceleration of the accumulation of the products of lipid peroxidation and reduction of the cardiac fibrillation threshold in vitamin E deficiency] Dzhaparidze LM, et al. **Vopr Pitan** 1986 Nov-Dec;(6):48-50 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation in the rat liver in mild forms of vitamin A deficiency] Gorgoshidze LSh, et al. **Vopr Pitan** 1986 Sep-Oct;(5):45-50 (Eng. Abstr.) **(Rus)**

[Role of the lipid peroxidation system of Escherichia coli cells in maintaining their viability in air] Bogoslovskaia OA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jun;(6):22-5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Cholesterol hydroperoxides inhibit calmodulin and suppress atherogenesis in rabbits. Tipton CL, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1166-72

NADPH- and linoleic acid hydroperoxide-induced lipid peroxidation and destruction of cytochrome P-450 in hepatic microsomes. Iba MM, et al. **Biochem Pharmacol** 1987 May 1;36(9):1447-55

Induction in guinea-pigs of airway hyperreactivity and decreased lung beta-adrenoceptor number by 15-hydroperoxy-arachidonic acid. Folkerts G, et al. **Br J Pharmacol** 1983 Dec;80(4):597-9

Effects of acute pressure overload on prostacyclin release and myocardial blood flow in canine hearts: inhibition of prostacyclin synthesis with 15-hydroperoxy-eicosatetraenoic acid. Imaizumi M, et al. **Heart Vessels** 1987;3(1):14-20

Lipid hydroperoxides initiate the autoxidation of sulfite with concomitant production of superoxide. Brestel EP, et al. **J Free Radic Biol Med** 1986;2(3):219-25

Cyclo-oxygenase blockers influence the effects of 15-lipoxygenase metabolites of arachidonic acid in isolated canine blood vessels. Van Diest MJ, et al. **Prostaglandins** 1986 Jul;32(1):97-100

[Effects of ingestion of oxidized fish oils on membrane fluidity, and the activity of hepatic microsome enzymes in rats. Influence of vitamin A overload] Mounié J, et al. **C R Soc Biol (Paris)** 1986;180(4):416-25 (Eng. Abstr.) **(Fre)**

[Phospholipid restoration of microsome membranes damaged by Fe2+—ascorbate-dependent lipid peroxidation] Borodin EA. **Biol Nauki** 1986;(7):30-5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Lipid peroxides and the coronary circulation. Feuerstein G, et al. **Am Rev Respir Dis** 1987 Aug;136(2):485-7 (30 ref.)

The role of fluctuations of red blood cell LPO products in transition processes. Grozovsky GI, et al. **Gen Physiol Biophys** 1986 Feb;5(1):89-93

RADIATION EFFECTS

Photoperoxidation of lens lipids: inhibition by aspirin. Beachy NA, et al. **Photochem Photobiol** 1987 May;45(5):677-8

Lipid peroxidation and other membrane damage produced in Escherichia coli K1060 by near-UV radiation and deuterium oxide. Chamberlain J, et al. **Photochem Photobiol** 1987 May;45(5):625-30

Ultrasonic radiation induced lipid peroxidation in liposomal membrane. Kumar Jana A, et al. **Radiat Environ Biophys** 1986;25(4):309-14

[Effect of ultraviolet rays on lipid peroxidation and various factors of its regulation in the rat skin] Maisuradze VN, et al. **Biol Nauki** 1987;(5):31-5 (Eng. Abstr.) **(Rus)**

[Action of laser radiation on the peroxide chemiluminescence of wound exudate] Romm AR, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):426-8 (Eng. Abstr.) **(Rus)**

TOXICITY

Toxicity of certain products of lipid peroxidation to the human malaria parasite Plasmodium falciparum. Clark IA, et al. **Biochem Pharmacol** 1987 Feb 15;36(4):543-6

The cytotoxic and mutagenic properties of cholesterol oxidation products. Sevanian A, et al. **Food Chem Toxicol** 1986 Oct-Nov;24(10-11):1103-10

Lipid peroxides and nutrition. Kaneda T, et al. **World Rev Nutr Diet** 1987;50:186-214 (88 ref.)

[Correlation of the membrane and genetic effects of lipid peroxidation] Polivoda BI, et al. **Radiobiologiia** 1986 Nov-Dec;26(6):803-5 (Eng. Abstr.) **(Rus)**

LIPIDOSIS see **LIPOIDOSIS**

LIPIDS

Lipid polymorphism. Tilcock CP, et al. **Ann NY Acad Sci** 1987;492:88-102

Polar lipids of thermophilic prokaryotic organisms: chemical and physical structure. Luzzati V, et al. **Annu Rev Biophys Biophys Chem** 1987;16:25-47 (76 ref.)

A crystalline lipid phase in a dry biological system: evidence from X-ray diffraction analysis of Typha latifolia pollen. Caffrey M, et al. **Biochim Biophys Acta** 1987 Sep 4; 921(1):124-34

The effect of cholesterol on lipid dynamics and packing in diether phosphatidylcholine bilayers. X-ray diffraction and 2H-NMR study. Siminovitch DJ, et al. **Biochim Biophys Acta** 1987 Jul 23;901(2):191-200

Refractive index of meibomian and other lipids. Tiffany JM. **Curr Eye Res** 1986 Nov;5(11):887-9

Electrostatically induced growth of spiral lipid domains in the presence of cholesterol. Heckl WM, et al. **Eur Biophys J** 1986;14(1):11-7

The effect of immunoglobulin G1 structure on macrophage binding to supported planar lipid monolayers. Kimura K, et al. **Immunology** 1986 Oct;59(2):235-8

Modification of relaxation of lipid protons by molecular oxygen and nitroxides. Bennett HF, et al. **Invest Radiol** 1987 Jun;22(6):502-7

Structure determination of a quartet of novel tetraether lipids from Methanobacterium thermoautotrophicum. Nishihara M, et al. **J Biochem (Tokyo)** 1987 Apr;101(4):1007-15

Application of osmometric methods to the study of lipids, lipoproteins, and apolipoproteins. Adams ET Jr. **J Lipid Res** 1986 Dec;27(12):1233-47 (34 ref.)

Mass spectrometry of lipids labeled with stable isotopes. Rohwedder WK. **Prog Lipid Res** 1985;24(1):1-18 (65 ref.)

Separation of lipid and water MR imaging signals by chopper averaging in the time domain. Szumowski J, et al. **Radiology** 1987 Oct;165(1):247-50

ADMINISTRATION & DOSAGE

Parenteral (glucose or glucose-lipid) vs enteral repletion in malnourished primates: a controlled crossover study. Dempsey DT, et al. **Am J Clin Nutr** 1987 Jun;45(6):1526-32

Tumor targeting by arterial administration of lipids: rabbit model with VX2 carcinoma in the liver. Iwai K, et al. **Anticancer Res** 1987 May-Jun;7(3 Pt B):321-7

A comparison of intestinal adaptation to short-term intravenous versus intragastric diet in adult rats. Raul F, et al. **JPEN J Parenter Enteral Nutr** 1987 Jul-Aug; 11(4):389-93

ANALYSIS

Papain-induced changes in intracellular lipid levels in cartilage. Labandeira-Garcia J, et al. **Acta Anat (Basel)** 1987;129(4):301-4

Foam in the external part of the eye. Norn M. **Acta Ophthalmol (Copenh)** 1987 Apr;65(2):143-6

Expressibility of meibomian secretion. Relation to age, lipid precorneal film, scales, foam, hair and pigmentation. Norn M. **Acta Ophthalmol (Copenh)** 1987 Apr;65(2):137-42

Wet stool weight as parameter for fecal fat and energy excretion. Bijleveld CM, et al. **Acta Paediatr Scand** 1986 Nov;75(6):1028-9

The influence of starvation on some characteristics of the Ca2+ transport system and lipid content in rat liver mitochondria. Radeva-Domuschieva D, et al. **Acta Physiol Pharmacol Bulg** 1986;12(2):49-54

Raised fecal fat concentration is not a valid indicator of pancreatic steatorrhea. Lembcke B, et al. **Am J Gastroenterol** 1987 Jun;82(6):526-31

Identification of Mycobacterium bovis, using miniaturized thin-layer chromatography and morphologic characteristics. Jarnagin JL, et al. **Am J Vet Res** 1986 Nov; 47(11):2346-8

Interference by lipids in the determination of protein using bicinchoninic acid. Kessler RJ, et al. **Anal Biochem** 1986 Nov 15;159(1):138-42

Measurement of the specific lipid content of attached cells in microtiter cultures. Laughton C. **Anal Biochem** 1986 Aug 1;156(2):307-14

Histochemical characterization of the lipid content in the macrophages of the cortico-medullary zone of the rat thymus. Milićević NM, et al. **Anat Histol Embryol** 1986 Dec;15(4):355-60

Effect of lipid composition and liposome size on toxicity and in vitro fungicidal activity of liposome-intercalated amphotericin B. Szoka FC Jr, et al. **Antimicrob Agents Chemother** 1987 Mar;31(3):421-9

Effect of nutrient deprivation on lipid, carbohydrate, DNA, RNA, and protein levels in Vibrio cholerae. Hood MA, et al. **Appl Environ Microbiol** 1986 Oct;52(4):788-93

Lipid composition in melanosomes of tumor- and chorioidea cells. Vedralová E, et al. **Arch Geschwulstforsch** 1986; 56(5):329-34

Lipid composition and viscosity of parotid saliva in Sjögren syndrome in man. Slomiany BL, et al. **Arch Oral Biol** 1986; 31(10):699-702

Effect of age, body composition, and lipid solubility on benzodiazepine tissue distribution in rats. Scavone JM, et al. **Arzneimittelforschung** 1987 Jan;37(1):2-6

Occurrence, identification and possible significance of ornithine lipid in Thiobacillus ferrooxidans. Ghosh M, et al. **Biochem Biophys Res Commun** 1987 Feb 13; 142(3):925-31

Mass spectral analysis of complex lipids desorbed directly from lyophilized membranes and cells. Heller DN, et al. **Biochem Biophys Res Commun** 1987 Jan 15;142(1):194-9

The effect of lipid composition on the metabolism of lignocaine by a reconstituted mixed function oxidase system from rat liver. Meftah NM, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1203-7

The effects of dietary (n-3) fatty acid supplementation on lipid dynamics and composition in rat lymphocytes and liver microsomes. Conroy DM, et al. **Biochim Biophys Acta** 1986 Oct 23;861(3):457-62

Alterations of lipid composition in a dystrophic muscle cell line. Rabinowitz JL, et al. **Biochim Biophys Acta** 1986 Dec 5;879(3):394-8

Californium-252 plasma desorption mass spectrometry of skin lipids. Positive and negative ions formed by attachment processes. Yang YM, et al. **Biomed Environ Mass Spectrom** 1986 Sep;13(9):489-94

Relationship between proliferative activity of bone marrow micrometastasis and plasmatic level of a new cancer marker: lipid associated sialic acid (LASA) in human breast cancer. Ginsbourg M, et al. **Biomed Pharmacother** 1986; 40(10):388-91

Fatty acid composition of phospholipids and neutral lipids and lipid peroxidation in human breast cancer and lipoma tissue. Hietanen E, et al. **Carcinogenesis** 1986 Dec; 7(12):1965-9

Rearrangement of the vimentin cytoskeleton during adipose conversion: formation of an intermediate filament cage around lipid globules. Franke WW, et al. **Cell** 1987 Apr 10;49(1):131-41

Estimating fat in feces by near-infrared reflectance spectroscopy. Koumantakis G, et al. **Clin Chem** 1987 Apr; 33(4):502-6

Relationships between the lipid content and the rheological properties of airway secretions in cystic fibrosis. Galabert C, et al. **Clin Chim Acta** 1987 Apr 30;164(2):139-49

Skin surface lipids of the mole Scalopus aquaticus. Downing DT, et al. **Comp Biochem Physiol [B]** 1987;86(4):667-70

Effect of Schistosoma mansoni on the gross lipid composition of its vector Biomphalaria glabrata. Thompson SN.

Comp Biochem Physiol [B] 1987;87(2):357–60
Polar lipid composition of mammalian hair. Wix MA, et al. **Comp Biochem Physiol [B]** 1987;86(4):671–3
Intracellular distribution of yolk droplets, lipid bodies and Golgi apparatus in the chick neuroepithelial cells during neurulation. Fernandez-Alvarez JG, et al. **Cytobios** 1987; 51(204):25–33
Combined treatment with cholestyramine and nicotinic acid in heterozygous familial hypercholesterolaemia: effects on biliary lipid composition. Angelin B, et al. **Eur J Clin Invest** 1986 Oct;16(5):391–6
Lipid vesicles and membranes. **Faraday Discuss Chem Soc** 1986;(81):1–371
Variability of lipids and glycogen during hind limb regeneration in larval and metamorphose stages of Bufo regularis Reuss. Ramadan AA, et al. **Folia Morphol (Praha)** 1986;34(3):265–71
The distribution of lipids and carbohydrates in normal and methotrexate (MTX)–treated mouse Mus musculus testes. Ramadan AA, et al. **Folia Morphol (Praha)** 1986; 34(4):363–71
Comparative study of lipid composition of Candida albicans in the yeast and mycelial forms. Sadamori S. **Hiroshima J Med Sci** 1987 Mar;36(1):53–9
Effect of storage on the creamatocrit and total energy content of human milk. Silprasert A, et al. **Hum Nutr Clin Nutr** 1987 Jan;41(1):31–6
Lipids in goat cytoplasmic droplets and spermatozoa in transit from the caput to the cauda epididymidis. Anand SR, et al. **Indian J Biochem Biophys** 1986 Oct;23(5):258–65
Comparative study of lipids of Leishmania donovani & hamster spleen tissue. Chaudhuri G, et al. **Indian J Med Res** 1987 Jan;85:25–31
Lipids & fatty acids of Leishmania donovani donovani promastigotes. Chaudhuri G, et al. **Indian J Med Res** 1987 Feb;85:140–8
Lipid composition of human leprous tissue [letter] Kumar B, et al. **Int J Lepr Other Mycobact Dis** 1987 Mar; 55(1):162–4
Lipid and retinol contents in the milk of Egyptian mothers with normal and sick infants. Hussein L, et al. **Int J Vitam Nutr Res** 1987;57(1):3–10
Xanthogranulomatosis in an adult: lipid analysis of xanthomas and plasma. Garvey WT, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 2):183–7
Analysis of bovine udder, plate and viscera using near infrared reflectance spectroscopy. Roberts CA, et al. **J Anim Sci** 1987 Jul;65(1):278–81
On-column partition cleanup of fatty extracts for organophosphate pesticide residue determination. Di Muccio A, et al. **J Assoc Off Anal Chem** 1987 Jan–Feb; 70(1):106–8
Determination of total lipid and lipid subclasses in meat and meat products. Maxwell RJ. **J Assoc Off Anal Chem** 1987 Jan–Feb;70(1):74–7
Cell wall and lipid composition of Isosphaera pallida, a budding eubacterium from hot springs. Giovannoni SJ, et al. **J Bacteriol** 1987 Jun;169(6):2702–7
Extraction and composition of polar lipids from the archaebacterium, Methanobacterium thermoautotrophicum: effective extraction of tetraether lipids by an acidified solvent. Nishihara M, et al. **J Biochem (Tokyo)** 1987 Apr;101(4):997–1005
Analysis of lipids by one-dimensional thin-layer chromatography. Entezami AA, et al. **J Chromatogr** 1987 Jan 30;387:323–31
Techniques for the detection of lipids in high-performance liquid chromatography. Hamilton RJ, et al. **J Chromatogr** 1987 Jun 12;395:33–46
An improved thin-layer chromatographic method for micro determination of lipids using flame ionization detection. Terabayashi T, et al. **J Chromatogr** 1986 Sep 26; 367(1):280–5
Pre partum milk fat secretion and concentrations of progestins, prostaglandin F2 alpha and oestrone sulphate in mammary fluid of the goat. Thompson GE, et al. **J Dairy Res** 1987 May;54(2):193–7
Fatty acid composition of bovine teat canal keratin. Hogan JS, et al. **J Dairy Sci** 1986 Sep;69(9):2424–7
Developmental analysis of lipids from wild-type and adipose60 mutants of Drosophila melanogaster. Teague BD, et al. **J Exp Zool** 1986 Oct;240(1):95–104
Dimorphism-associated variations in the lipid composition of Candida albicans. Ghannoum MA, et al. **J Gen Microbiol** 1986 Aug;132 (Pt 8):2367–75
The lipid composition of azole-sensitive and azole-resistant strains of Candida albicans. Hitchcock CA, et al. **J Gen Microbiol** 1986 Sep;132 (Pt 9):2421–31
Stratum corneum lipid liposomes: calcium-induced transformation into lamellar sheets. Abraham W, et al. **J Invest Dermatol** 1987 Feb;88(2):212–4
Skin lipids: an update. Downing DT, et al. **J Invest Dermatol** 1987 Mar;88(3 Suppl):2s–6s
The lipid composition and permeability to azole of an azole- and polyene-resistant mutant of Candida albicans. Hitchcock CA, et al. **J Med Vet Mycol** 1987 Feb; 25(1):29–37
A new scanning electron microscope (SEM) method for the determination of particle size in parenteral fat emulsions. Hamilton-Attwell VL, et al. **J Microsc** 1987 Mar;145 (Pt 3):347–9
Ultrastructural visualization of lipids in trypanosomatids. Soares MJ, et al. **J Protozool** 1987 May;34(2):199–203
Pattern of neutral and phospholipids in the semen of normospermic, oligospermic and azoospermic men. Sebastian SM, et al. **J Reprod Fertil** 1987 Mar;79(2):373–8
Body fat in pregnant rats at mid- and late-gestation. López-Luna P, et al. **Life Sci** 1986 Oct 13;39(15):1389–93
Analysis of lipids containing hydroxy fatty acids. Ahmad F, et al. **Lipids** 1987 Jun;22(6):413–6
Liver parenchymal cells differ from the fat-storing cells in their lipid composition. Hendriks HF, et al. **Lipids** 1987 Apr;22(4):266–73
Characterization of feline omentum lipids. McCluer RH, et al. **Lipids** 1987 Apr;22(4):229–35
Hepatic lipid abnormalities in a chemical/viral mouse model for Reye's syndrome. Murphy MG, et al. **Lipids** 1987 Apr; 22(4):217–23
The effects of fat-free, saturated and polyunsaturated fat diets on rat liver and plasma lipids. Nelson GJ, et al. **Lipids** 1987 Feb;22(2):88–94
The use of iodine staining for the quantitative analysis of lipids separated by thin layer chromatography. Palumbo G, et al. **Lipids** 1987 Mar;22(3):201–5
Phospholipid studies of marine organisms: 14. Ether lipids of the sponge Tethya aurantia. Smith GM, et al. **Lipids** 1987 Apr;22(4):236–40
A comparison of the chemical analyses of cell lipids with their complete proton NMR spectrum. Holmes KT, et al. **Magn Reson Med** 1987 Jun;4(6):567–74
Echo acquisition during frequency-selective pulse trains for proton spectroscopy of metabolites in vivo. Meyer RA. **Magn Reson Med** 1987 Mar;4(3):297–301
Biophysical properties of the surface lipid of parasitic nematodes. Kennedy MW, et al. **Mol Biochem Parasitol** 1987 Jan 15;22(2–3):233–40
Simple and complex lipids: their occurrence, chemistry, and biochemistry. Christie WW. **Nat Prod Rep** 1987 Apr; 4(2):113–28 (453 ref.)
A comparative-evolutionary study of lipids in the aging brain of mice. Torello LB, et al. **Neurobiol Aging** 1986 Sep–Oct; 7(5):337–46
Rabbit brain lipids during short-term hyperthermia. Domańska-Janik K, et al. **Neurochem Pathol** 1986 Jun; 4(3):153–63
Brain lipids of a myelin-deficient rabbit mutant during development. Domańska-Janik K, et al. **Neurochem Pathol** 1986 Jun;4(3):135–51
Myelin lipids: a phylogenetic study. Bürgisser P, et al. **Neurochem Res** 1986 Sep;11(9):1261–72
Day-night cycle of lipidic composition in rat cerebral cortex. Díaz-Muñoz M, et al. **Neurochem Res** 1987 Apr; 12(4):315–21
Lipids in serum, lipoproteins and erythrocyte membranes in canine dirofilariasis by TLC-FID method. Kitagawa H, et al. **Nippon Juigaku Zasshi** 1987 Apr;49(2):285–93
Lipid content of human and rat pancreas. Durand S, et al. **Pancreas** 1987;2(3):326–32
Measurement of lipids in chicken carcass dry matter. Sibbald IR, et al. **Poult Sci** 1986 Dec;65(12):2299–303
Diurnal lipid and lipoprotein profiles in hypertriglyceridemic patients with bezafibrate and clofibrate. Oster P, et al. **Res Exp Med (Berl)** 1986;186(6):435–41
Effect of temperature on the lipid composition of anaerobically grown Saccharomyces cerevisiae. de Resende MA, et al. **Rev Latinoam Microbiol** 1986 Oct–Dec; 28(4):345–9
Estimation of the 3-day faecal fat excretion and fat concentration as a differential test of malabsorption and maldigestion. Pedersen NT, et al. **Scand J Gastroenterol** 1987 Jan;22(1):91–6
Lipid changes associated with erythroid differentiation of Friend erythroleukemia cells. Fallani A, et al. **Toxicol Pathol** 1987;15(2):170–7
Hatching and lipid composition of chicks brain from eggs treated with 2,4-dichlorophenoxyacetic butyl ester. Duffard R, et al. **Toxicology** 1982;24(3–4):305–11
Lipid inclusions in hepatocyte grafts [letter] Innes GK, et al. **Transplantation** 1987 Mar;43(3):459
Measurement and use of acoustic nonlinearity and sound speed to estimate composition of excised livers. Sehgal CM, et al. **Ultrasound Med Biol** 1986 Nov;12(11):865–74
Studies on fine structure and location of lipids in quick-freeze replicas of atherosclerotic aorta of WHHL rabbits. Amanuma K, et al. **Virchows Arch [A]** 1986;410(3):231–8
[Lipid composition of plasma and tissue lipoproteins in spontaneously hypertensive rats (SHR) on normal feeding] Dakovska L, et al. **Eksp Med Morfol** 1987;26(1):1–6 (Eng. Abstr.) **(Bul)**
[Lipid composition of plasma and tissue lipoproteins in spontaneously hypertensive rats (SHR) on a cholesterol diet] Orbetsova V, et al. **Eksp Med Morfol** 1987;26(1):6–12 (Eng. Abstr.) **(Bul)**
[Unsaturated fatty acids in the lipids of the spermatozoa of Ovis amon aries L. and Sus scrofa domestica L.] Kolinkoeva A, et al. **Vet Med Nauki** 1986;23(5):53–9 (Eng. Abstr.) **(Bul)**
[Lipid fraction content of puncture biopsy material from the liver of patients with diabetes mellitus and obesity] Pitsin D, et al. **Vutr Boles** 1986;25(6):73–7 (Eng. Abstr.) **(Bul)**
[Demonstration by spectroscopy NMR at 1,5 Tesla of changes in lipid/water ratio in pathology of the adrenal cortex] Roucayrol JC, et al. **C R Soc Biol (Paris)** 1986; 180(6):677–82 (Eng. Abstr.) **(Fre)**
[The effect of donor concentration of easily lipid-soluble substances on permeation through lipid collodium membranes] Falk M. **Pharmazie** 1987 Apr;42(4):275–6 **(Ger)**
[The effect of lipids on the permeation of substances through lipid collodium membranes] Falk M. **Pharmazie** 1987 Apr; 42(4):276–7 **(Ger)**
[Contamination of game in Schleswig-Holstein. 2. Residues of dieldrin, heptachlor epoxide and other cyclodiene insecticides in the liver fat of hares (Lepus europaeus L.)] Rimkus G, et al. **Z Lebensm Unters Forsch** 1987 Apr; 184(4):308–12 (Eng. Abstr.) **(Ger)**
[Correlation between magnetic resonance image and content of water and fat in experimental tumor] Sato T, et al. **Kaku Igaku** 1987 Mar;24(3):353–9 **(Jpn)**
[Electron microscopic study and lipid analysis of subcutaneous dermoid cyst] Higo J, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Aug;96(9):891–6 **(Jpn)**
[A case of pineal teratoma with intraventricular free fat seen in CT scan] Uede T, et al. **No Shinkei Geka** 1986 Dec; 14(13):1577–82 (Eng. Abstr.) **(Jpn)**
[Lipid composition of human malignant brain tumors] Nakamura O, et al. **No To Shinkei** 1987 Mar;39(3):221–6 (Eng. Abstr.) **(Jpn)**
[Lipid fluorophores of the crystalline lens in cataracts] Babizhaev MA, et al. **Biofizika** 1986 Jul–Aug;31(4):681–6 (Eng. Abstr.) **(Rus)**
[Lipid composition of the rat liver nuclear matrix as affected by hydrocortisone] Gevorkian ES, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):171–4 (Eng. Abstr.) **(Rus)**
[Changes in the content of bile acids and lipids in human bile during head-down tilt hypokinesia and their correction] Medkova IL, et al. **Kosm Biol Aviakosm Med** 1986 Nov–Dec;20(6):31–7 (Eng. Abstr.) **(Rus)**
[Concentration of lipids in the skin, arterial wall and blood of patients with arteriosclerosis obliterans of the vessels of the lower extremities] Nikitin IuP, et al. **Ter Arkh** 1987; 59(1):34–7 **(Rus)**
[A non-destructive sensitive reagent for lipid detection on TLC plates] Vas'kovskii VE, et al. **Ukr Biokhim Zh** 1987 Mar–Apr;59(2):69–72 (Eng. Abstr.) **(Rus)**
[Effect of the fatty acid composition and the degree of lipid oxidation on the immunochemical activity of cardiolipin antigens] Krasnopol'skii IuM, et al. **Vestn Dermatol Venerol** 1986;(8):51–6 (Eng. Abstr.) **(Rus)**
[Effect of reduced fat content of the diet of the rat and a single fat load on the lipopexic function of the lungs and the development of silicosis] Babushkina LG. **Vopr Pitan** 1987 Jan–Feb;(1):51–4 (Eng. Abstr.) **(Rus)**
[Differences in the concentration of polar and neutral lipids in the brains of mice selected for different brain weights] Arkhipova GV, et al. **Zh Vyssh Nerv Deiat** 1986 Nov–Dec; 36(6):1147–8 **(Rus)**
[Lipid composition of the placenta of rats with protein restriction and deficiency of essential fatty acids] Araya J, et al. **Arch Latinoam Nutr** 1986 Jun;36(2):327–37 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

Dissociation of in vitro sensitivities of glucose transport and antilipolysis to insulin in NIDDM. Yki-Järvinen H, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):E300–4

BIOSYNTHESIS

Haemonchus contortus: lipid biosynthesis from 14C-labelled palmitic acid and sodium bicarbonate. Kapur J, et al. **Acta Vet Hung** 1986;34(1–2):73–80
Adaptation of lipogenesis and lipolysis to dietary ethanol. Woollett LA, et al. **Alcoholism (NY)** 1987 Aug;11(4):336–9
Carbohydrate metabolism and de novo lipogenesis in human obesity. Acheson KJ, et al. **Am J Clin Nutr** 1987 Jan; 45(1):78–85
Fasting-mediated alteration studies in insulin action on lipolysis and lipogenesis in obese women. Arner P, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):E193–201
Cyclic AMP-dependent regulation of lipid mediators in white cells. A unifying concept for explaining the efficacy of theophylline in asthma. Kuehl FA Jr, et al. **Am Rev Respir Dis** 1987 Jul;136(1):210–3 (26 ref.)
Setaria cervi: lipid biosynthesis from C14-labelled acetate and glucose in the two sexes and microfilariae. Kumar S. **Angew Parasitol** 1987 May;28(2):85–90
Allium sativum (garlic) inhibits lipid synthesis by Candida albicans. Adetumbi M, et al. **Antimicrob Agents Chemother** 1986 Sep;30(3):499–501
Effect of antifungal agents on lipid biosynthesis and membrane integrity in Candida albicans. Georgopapadakou NH, et al. **Antimicrob Agents Chemother** 1987 Jan; 31(1):46–51
Mathematical modelling of lipid production by oleaginous yeasts in continuous cultures. Ykema A, et al. **Antonie Van Leeuwenhoek** 1986;52(6):491–506
Developmental pattern of the expression of malonyl-CoA decarboxylase gene and the production of unique lipids in the goose uropygial glands. Kolattukudy PE, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):446–54
Hamster costovertebral organ lipogenesis in vitro and in vivo:

effects of cerulenin. Bedord CJ, et al. **Arch Dermatol Res** 1986;278(6):486–90

Valproic acid teratogenesis and embryonic lipid metabolism. Clarke DO, et al. **Arch Toxicol [Suppl]** 1987;11:143–7

Pharmacological approaches to the regulation of fat metabolism. Stewart IC, et al. **Bibl Nutr Dieta** 1986; (39):16–26

Glycolysis and lipid synthesis in brown adipose tissue during ageing in the rat. Simpson ML, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):419–26

Effect of clofibrate feeding on some lipogenic enzyme activities induced by high carbohydrate diet. Zelewski M, et al. **Biochem Int** 1986 Oct;13(4):591–8

Modulation of intracellular cyclic AMP content and rate of lipogenesis in mammary acini in vitro. Clegg RA, et al. **Biochem J** 1986 Nov 15;240(1):13–8

Fat synthesis in adipose tissue. An examination of stoichiometric constraints. Fell DA, et al. **Biochem J** 1986 Sep 15;238(3):781–6

The role of prolactin and progesterone in the regulation of lipogenesis in maternal and foetal rat liver in vivo and in isolated hepatocytes during the last day of gestation. Lorenzo M, et al. **Biochem J** 1986 Oct 1;239(1):135–9

The regulation of lipogenesis in vivo in the lactating mammary gland of the rat during the starved–refed transition. Studies wtih acarbose, a glucosidase inhibitor. Mercer SW, et al. **Biochem J** 1987 Feb 15;242(1):235–43

Time course of changes in plasma glucose and insulin concentrations and mammary-gland lipogenesis during re-feeding of starved conscious lactating rats. Mercer SW, et al. **Biochem J** 1986 Oct 15;239(2):489–92

Regulation of rat foetal lipogenesis in brown adipose tissue in vivo and in isolated brown adipocytes during the last day of, and after prolonged, gestation. Roncero C, et al. **Biochem J** 1987 Apr 15;243(2):617–20

Altered interactions between lipogenesis and fatty acid oxidation in regenerating rat liver. Schofield PS, et al. **Biochem J** 1987 Jan 15;241(2):469–74

Altered lipid synthesis in type II pneumonocytes exposed to lung surfactant. Thakur NR, et al. **Biochem J** 1986 Dec 15;240(3):679–90

13C NMR study of effects of fasting and diabetes on the metabolism of pyruvate in the tricarboxylic acid cycle and the utilization of pyruvate and ethanol in lipogenesis in perfused rat liver. Cohen SM. **Biochemistry** 1987 Jan 27; 26(2):581–9

Metabolism of cis–12–octadecenoic acid and trans–9,trans–12–octadecadienoic acid and their influence on lipogenic enzyme activities in mouse liver. Emken EA, et al. **Biochim Biophys Acta** 1987 Jun 2;919(2):111–21

Effects of aging on contributions of dietary fat and triiodothyronine treatment to lipogenic enzyme induction. Fukuda H, et al. **Biochim Biophys Acta** 1987 Sep 4; 921(1):43–9

Failure of insulin to stimulate lipogenesis and triacylglycerol secretion in perfused livers from rats adapted to dietary fish oil. Topping DL, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):423–8

Adipogenic activities in rat organs. Feick P, et al. **Biol Chem Hoppe Seyler** 1986 Jul;367(7):549–58

Lipogenesis in the brown adipose tissue of the fetal baboon. Chakrabarty K, et al. **Biol Neonate** 1987;51(3):177–84

Lipid synthesis in various organs of the rat during postnatal development. Hahn P. **Biol Neonate** 1986;50(4):205–13

Hydrocortisone stimulates the development of oligodendrocytes in primary glial cultures and affects glucose metabolism and lipid synthesis in these cultures. Warringa RA, et al. **Brain Res** 1987 Jul;431(1):79–86

Trembler mouse Schwann cells in culture: anomalies in the synthesis of lipids and proteins. White FV, et al. **Brain Res** 1986 Aug 27;381(1):85–92

The role of adipose and hepatic tissues in the lipogenesis of the dog. Stangassinger M, et al. **Comp Biochem Physiol [B]** 1986;85(1):67–9

Comparison of biologic potency of human insulin (recombinant DNA) and purified porcine insulin (PPI) on the rat and human adipocyte lipogenesis model. Khokher MA, et al. **Diabetes Care** 1982 Nov–Dec;5 Suppl 2:102–3

Native and recombinant bovine growth hormone antagonize insulin action in cultured bovine adipose tissue. Etherton TD, et al. **Endocrinology** 1987 Aug;121(2):699–703

Effect of a vegetable oil factory effluent on in vitro lipid and protein synthesis by the liver of the freshwater teleost Heteropneustes fossilis (Bloch). Kondal JK, et al. **Environ Res** 1987 Jun;43(1):13–8

Effects of retinoids on differentiation, lipid metabolism, epidermal growth factor, and low-density lipoprotein binding in squamous carcinoma cells. Ponec M, et al. **Exp Cell Res** 1987 Aug;171(2):426–35

Peptides with antilipolytic and lipogenic activities from seeds of the bitter gourd Momordica charantia (family Cucurbitaceae). Ng TB, et al. **Gen Pharmacol** 1987; 18(3):275–81

Energy and protein relations in the broiler chicken. 4. Role of sex, line and substrate on in vitro lipogenesis. Rosebrough RW, et al. **Growth** 1986 Winter;50(4):461–71

Prolactin actions on casein and lipid biosynthesis in mouse and rabbit mammary gland explants are abolished by p–bromphenacyl bromide and quinacrine, phospholipase A2 inhibitors. Rillema JA, et al. **Horm Metab Res** 1986 Oct;18(10):672–4

Comparative metabolic effects of fructose and glucose in human fibroblast cultures. Delhotal–Landes B, et al. **In Vitro Cell Dev Biol** 1987 May;23(5):355–60

Lipogenesis in adipose tissue from ovariectomized and intact heifers immunized against estradiol and (or) implanted with trenbolone acetate. St. John LC, et al. **J Anim Sci** 1987 May;64(5):1428–33

Biosynthesis of enterobacterial common antigen in Escherichia coli. In vitro synthesis of lipid–linked intermediates. Barr K, et al. **J Biol Chem** 1987 May 25; 262(15):7142–50

Tumor necrosis factor–alpha stimulates hepatic lipogenesis in the rat in vivo. Feingold KR, et al. **J Clin Invest** 1987 Jul;80(1):184–90

Effect of exogenous long–chain fatty acids on lipid biosynthesis in dispersed ruminant mammary gland epithelial cells: esterification of long–chain exogenous fatty acids. Hansen HO, et al. **J Dairy Sci** 1987 Jul;70(7):1344–9

Regulation of bovine adipose tissue metabolism during lactation. 1. Lipid synthesis in response to increased milk production and decreased energy intake. McNamara JP, et al. **J Dairy Sci** 1986 Dec;69(12):3032–41

Effects of age, milk replacer composition, and rumen function on lipogenesis in adipose tissue of young calves. Wijayasinghe MS, et al. **J Dairy Sci** 1986 Sep;69(9):2358–69

Inhibition of casein and fat synthesis and alpha–lactalbumin secretion by progesterone in explants from bovine lactating mammary glands. Shamay A, et al. **J Endocrinol** 1987 Apr; 113(1):81–8

Effects of alpha–momorcharin, beta–momorcharin and alpha–trichosanthin on lipogenesis and testicular and adrenal steroidogenesis in vitro and plasma–glucose levels in vivo. Ng TB, et al. **J Ethnopharmacol** 1986 Oct; 18(1):45–53

Lipid metabolism in biotin–responsive multiple carboxylase deficiency. Gonzalez–Rios MC, et al. **J Inherited Metab Dis** 1985;8(4):184–6

Relationship of epidermal lipogenesis to cutaneous barrier function. Grubauer G, et al. **J Lipid Res** 1987 Jun; 28(6):746–52

Ontogeny of glucose metabolism in sympathetic ganglia of chickens. Concurrence of maximum rates in the hexosemonophosphate shunt and in synthesis of lipids but not of ribonucleic acid. Larrabee MG. **J Neurochem** 1987 Feb;48(2):417–24

Effects of long–term moderate food restriction on growth, serum factors, lipogenic enzymes and adipocyte glucose metabolism in lean and obese Zucker rats. Cleary MP, et al. **J Nutr** 1987 Feb;117(2):355–60

Diurnal regulation of milk lipid production and milk secretion in the rat: effect of dietary protein and energy restriction. Grigor MR, et al. **J Nutr** 1987 Apr;117(4):748–53

Milk lipid synthesis and secretion during milk stasis in the rat. Grigor MR, et al. **J Nutr** 1986 Sep;116(9):1789–97

In vivo lipogenesis of genetically lean and fat chickens: effects of nutritional state and dietary fat. Saadoun A, et al. **J Nutr** 1987 Mar;117(3):428–35

Inhibition of liver lipogenesis by dietary polyunsaturated fat in severely diabetic rats. Wilson MD, et al. **J Nutr** 1986 Aug;116(8):1511–8

Oral epithelial cell lipid synthesis in the presence of retinoic acid or nitrosonornicotine. Schuster GS, et al. **J Oral Pathol** 1986 Sep;15(8):430–3

Garlic extract inhibits the enhanced peroxidation and production of lipids in carbon tetrachloride–induced liver injury. Kagawa K, et al. **Jpn J Pharmacol** 1986 Sep; 42(1):19–26

Effects of dietary linolenate on the fatty acid composition of brain lipids in rats. Anding RH, et al. **Lipids** 1986 Nov; 21(11):697–701

The effect of mengovirus infection on lipid synthesis in cultured Ehrlich ascites tumor cells. Schimmel H, et al. **Lipids** 1987 Feb;22(2):95–103

Effects of subperineurial injections of very–long–chain and medium–chain fatty acids into rat sciatic nerve. Sacktor NC, et al. **Neurochem Pathol** 1986 Aug;5(1):71–83

Glycerol incorporation into brain lipids in rat pups born to ethanol–intoxicated dams. Custo G, et al. **Neurochem Res** 1987 May;12(5):469–73

Effect of cadmium on lipid metabolism of brain: in vivo incorporation of labelled acetate into lipids. Gulati S, et al. **Pharmacol Toxicol** 1987 Feb;60(2):117–9

Chromium and vanadium effects on glucose metabolism and lipid synthesis in the chick. Cupo MA, et al. **Poult Sci** 1987 Jan;66(1):120–6

Stimulation of S14 mRNA and lipogenesis in brown fat by hypothyroidism, cold exposure, and cafeteria feeding: evidence supporting a general role for S14 in lipogenesis and lipogenesis in the maintenance of thermogenesis. Freake HC, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):3070–4

Lipophilic xenobiotic conjugates: the pharmacological and toxicological consequences of the participation of drugs and other foreign compounds as substrates in lipid biosynthesis. Fears R. **Prog Lipid Res** 1985;24(3):177–95 (78 ref.)

Changes of lipogenesis in long term continuously irradiated rats. Sedláková A, et al. **Radiobiol Radiother (Berl)** 1986; 27(5):549–54

Adenosine modulation of fat cell responsiveness to insulin and oxytocin. Goren HJ, et al. **Regul Pept** 1986 Dec 22; 16(2):125–34

In vitro studies on the lipogenetic ability of the hen oviduct. Sandu VD, et al. **Zentralbl Veterinarmed [A]** 1987 Feb; 34(2):119–24

[Effect of food carbohydrate quality on monosaccharide utilization for the biosynthesis of glycogen, fat and proteins in the rat liver] Gapparov MM, et al. **Vopr Pitan** 1987 May–Jun;(3):41–5 (Eng. Abstr.) **(Rus)**

[Biochemistry of the cyclic evolution of Triatoma infestans (Vinchuca). IV. De novo biosynthesis of lipids in fat body and testicles] Tierno MA, et al. **Acta Physiol Lat Am** 1980; 30(4):309–12 (Eng. Abstr.) **(Spa)**

BLOOD

Plasma fat elimination tissue lipoprotein lipase activity and plasma fatty acid composition during sequential treatment with etretinate and isotretinoin. Vahlquist C, et al. **Acta Derm Venereol (Stockh)** 1987;67(2):139–44

Indices of obesity and plasma lipids and glucose in men and women aged 60–69 years. Pokorn D, et al. **Acta Med Iugosl** 1987;41(1):59–66

Serum lipids and lipoproteins during continuous ambulatory peritoneal dialysis. Lindholm B, et al. **Acta Med Scand** 1986; 220(2):143–51

Blood platelet release correlates with serum lipids in 50 year old men with essential hypertension. Gjesdal K, et al. **Acta Med Scand [Suppl]** 1986;714:125–8

The influence of exercise training on plasma lipids and lipoproteins in health and disease. Haskell WL. **Acta Med Scand [Suppl]** 1986;711:25–37 (74 ref.)

Changes in body composition and serum lipid fractions after four weeks of slimming treatment: results in nineteen obese male adolescents. Hermelo MP, et al. **Acta Paediatr Hung** 1987;28(1):29–35

Increase of serum lipids and serum lipoproteins in girls under therapy with estrogen and norethisteron for height reduction. Weninger M, et al. **Acta Paediatr Scand** 1987 May;76(3):500–3

The effect of gluten–free diet supplemented with Humana–MCT on the level of lipid fractions in blood serum of infants with coeliac disease. Jaśkiewicz J, et al. **Acta Physiol Pol** 1987 Jan–Feb;38(1):22–30

Beta–blocking agents and plasma lipids: an update. Harvengt C, et al. **Adv Exp Med Biol** 1987;210:195–200

Effects of dietary fat modifications on plasma lipid and apolipoprotein metabolism in humans. Malmendier CL, et al. **Adv Exp Med Biol** 1987;210:153–8

The acute effects of some antidepressants on the plasma lipids in normolipidaemic and hyperlipidaemic rats. Deaconescu L, et al. **Agressologie** 1986 Sep;27(8):663–7

Alcohol consumption, blood pressure, lipids, and cardiovascular mortality. Criqui MH. **Alcohol Clin Exp Res (NY)** 1986 Dec;10(6):564–9 (46 ref.)

Serum lipids and lipoproteins after myocardial infarction: associations with cardiovascular mortality and experience in the Aspirin Myocardial Infarction Study. Frost PH, et al. **Am Heart J** 1987 Jun;113(6):1356–64

Serum lipids and fatty acids in ischemic strokes. Tilvis RS, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):615–9

Correlation of serum lipids, calcium, and phosphorus, diabetes mellitus and history of systemic hypertension with presence or absence of calcified or thickened aortic cusps or root in elderly patients. Aronow WS, et al. **Am J Cardiol** 1987 Apr 15;59(9):998–9

Correlation of serum lipids, calcium and phosphorus, diabetes mellitus, aortic valve stenosis and history of systemic hypertension with presence or absence of mitral anular calcium in persons older than 62 years in a long–term health care facility. Aronow WS, et al. **Am J Cardiol** 1987 Feb 1;59(4):381–2

Serum lipid changes in a one–year, multicenter, double–blind comparison of doxazosin and atenolol for mild to moderate essential hypertension. Frick MH, et al. **Am J Cardiol** 1987 May 29;59(14):61G–67G

Plasma lipid lowering effects of doxazosin, a new selective alpha1 adrenergic inhibitor for systemic hypertension. Pool JL. **Am J Cardiol** 1987 May 29;59(14):46G–50G

Comparative effects of doxazosin and hydrochlorothiazide on serum lipids and blood pressure in essential hypertension. Trost BN, et al. **Am J Cardiol** 1987 May 29;59(14):99G–104G

Lipid and phospholipid fatty acid composition of plasma, red blood cells, and platelets and how they are affected by dietary lipids: a study of normal subjects from Italy, Finland, and the USA. Dougherty RM, et al. **Am J Clin Nutr** 1987 Feb;45(2):443–55

Comparison of mackerel–oil and lard–fat enriched diets on plasma lipids, cardiac membrane phospholipids, cardiovascular performance, and morphology in young pigs. Hartog JM, et al. **Am J Clin Nutr** 1987 Aug; 46(2):258–66

Influence of caloric contribution and saturation of dietary fat on plasma lipids in premenopausal women. Jones DY, et al. **Am J Clin Nutr** 1987 Jun;45(6):1451–6

Plasma lipids and hypertension: response to calcium supplementation. Karanja N, et al. **Am J Clin Nutr** 1987 Jan;45(1):60–5

Controlled evaluation of fat intake in the Mediterranean diet: comparative activities of olive oil and corn oil on plasma lipids and platelets in high–risk patients. Sirtori CR, et al. **Am J Clin Nutr** 1986 Nov;44(5):635–42

The effects of hydraulic–resistance strength training on serum lipid levels in prepubertal boys. Weltman A, et al. **Am J Dis Child** 1987 Jul;141(7):777–80

Effects of a 4-week freshwater fish (trout) diet on platelet aggregation, platelet fatty acids, serum lipids, and coagulation factors. Atkinson PM, et al. **Am J Hematol** 1987 Feb;24(2):143–9

Diabetes, dialysate losses, and serum lipids during continuous ambulatory peritoneal dialysis. Rubin J, et al. **Am J Kidney Dis** 1987 Aug;10(2):104–8

Comparison of effects on lipid metabolism of antihypertensive drugs with alpha- and beta-adrenergic antagonist properties. Leren P. **Am J Med** 1987 Jan 5;82(1A):31–5

Prazosin versus captopril as initial therapy. Effect on hypertension and lipid levels. Okun R, et al. **Am J Med** 1987 Jan 5;82(1A):58–63

Clinical pharmacology of selective alpha blockers. Hemodynamics and effects on lipid levels. Reid JL, et al. **Am J Med** 1987 Jan 5;82(1A):15–20

Genetic analysis of serum lipid levels and blood pressure in a large kindred. Marazita ML, et al. **Am J Med Genet** 1987 Mar;26(3):511–9

Lipid and lipoprotein levels in undialyzed patients with chronic renal failure. Mendez A, et al. **Am J Med Sci** 1987 Mar;293(3):164–70

Tertatolol does not affect biochemical markers of atherosclerosis in normo- and hyperlipidemic hypertensive patients. Richard JL, et al. **Am J Nephrol** 1986;6 Suppl 2:100–5

Lipids in plasma of enterally-fed very low-birthweight neonates. Brans YW, et al. **Am J Perinatol** 1987 Apr; 4(2):160–3

Relationship of upper body fat distribution to serum glucose and lipids in a Costa Rican population. Bailey S, et al. **Am J Phys Anthropol** 1987 May;73(1):111–7

Lipid transport function of lipoproteins in blood plasma. Havel RJ. **Am J Physiol** 1987 Jul;253(1 Pt 1):E1–5 (44 ref.)

The use of different lipids to express serum tocopherol: lipid ratios for the measurement of vitamin E status. Thurnham DI, et al. **Ann Clin Biochem** 1986 Sep;23 (Pt 5):514–20

Serum lipids and apolipoproteins in families of postinfarction men. Jirkovská A, et al. **Ann Clin Res** 1987;19(1):26–9

Lipid and lipoprotein levels of Newfoundland school children. Fodor JG, et al. **Ann Nutr Metab** 1987;31(4):231–6

Effect of moderate physical training on serum lipids and lipoproteins. Folin M, et al. **Anthropol Anz** 1986 Sep; 44(3):269–74

Antiapolipoprotein B cryoglobulinemia associated with normal plasma lipids and severe atherosclerosis. Dabalà A, et al. **Appl Pathol** 1986;4(4):260–9

Plasma lipids and composition of red cells in four cases of Werner's syndrome. Broache T, et al. **Arch Gerontol Geriatr** 1986 Oct;5(3):207–20

Serum lipid and lipoprotein levels in premature ageing syndromes: total lipodystrophy and Cockayne syndrome. László A, et al. **Arch Gerontol Geriatr** 1986 Oct;5(3):189–96

Abnormalities of carbohydrate and lipid metabolism in patients with hypertension. Fuh MM, et al. **Arch Intern Med** 1987 Jun;147(6):1035–8

Lipid parameters of a non-human primate following administration of a high fat diet. Hudson P, et al. **Arch Toxicol [Suppl]** 1987;11:316–8

Cigarette smoking, serum lipids and angiographically-assessed coronary artery disease. Thevenin M, et al. **Arch Toxicol [Suppl]** 1986;9:120–3

Population-based study of glycosylated hemoglobin, lipids, and lipoproteins in nondiabetic adults. Barrett-Connor E, et al. **Arteriosclerosis** 1987 Jan–Feb;7(1):66–70

Body mass, blood pressure, glucose, and lipids. Does plasma insulin explain their relationships? Cambien F, et al. **Arteriosclerosis** 1987 Mar–Apr;7(2):197–202

Induction of serum lipid peroxidation in chickens. Smith TL, et al. **Artery** 1986;14(1):30–4

A study of the lipid transport system in the cat, Felix domesticus. Demacker PN, et al. **Atherosclerosis** 1987 Jul; 66(1–2):113–23

Detection of human apolipoprotein B polymorphic species with one monoclonal antibody (BIP 45) against low density lipoprotein. Influence of this polymorphism on lipid levels and coronary artery stenosis. Duriez P, et al. **Atherosclerosis** 1987 Jul;66(1–2):153–61

Effect of short-term, low-dose corticosteroids on plasma lipoprotein lipids. Ettinger WH, et al. **Atherosclerosis** 1987 Feb;63(2–3):167–72

Evaluation of the hypolipidemic activity of xenalipin in experimental animals. Lewis MC, et al. **Atherosclerosis** 1987 Mar;64(1):27–35

Effects of fenofibrate on lipids, lipoproteins, and apolipoproteins in 33 subjects with primary hypercholesterolemia. Mellies MJ, et al. **Atherosclerosis** 1987 Jan;63(1):57–64

Effects of pure capsaicinoids (capsaicin and dihydrocapsaicin) on plasma lipid and lipoprotein concentrations of turkey poults. Negulesco JA, et al. **Atherosclerosis** 1987 Apr;64(2–3):85–90

Apolipoprotein E polymorphism, serum lipids and occurrence of "double pre-betalipoproteinemia' (DPBL) in subjects from two different populations. Pagnan A, et al. **Atherosclerosis** 1987 May;65(1–2):23–8

Effects of a fish oil supplement on serum lipids, blood pressure, bleeding time, haemostatic and rheological variables. A double blind randomised controlled trial in healthy volunteers. Rogers S, et al. **Atherosclerosis** 1987 Feb;63(2–3):137–43

Long-term effect of mackerel diet on blood pressure, serum lipids and thromboxane formation in patients with mild essential hypertension. Singer P, et al. **Atherosclerosis** 1986 Dec;62(3):259–65

Relative value of plasma copper, zinc, lipids and lipoproteins as markers for coronary artery disease. Tiber AM, et al. **Atherosclerosis** 1986 Nov;62(2):105–10

Fatty acids of plasma lipids, red cells and platelets in Alzheimer's disease and vascular dementia. Tilvis RS, et al. **Atherosclerosis** 1987 Jun;65(3):237–45

The effects of dietary mackerel oil on plasma and cell membrane lipids, on hemodynamics and cardiac arrhythmias during recurrent acute ischemia in the pig. Hartog JM, et al. **Basic Res Cardiol** 1986 Nov–Dec; 81(6):567–80

The mechanism of the hypolipidemic effect of garlic oil extract in rats fed on high sucrose and alcohol diets. Adoga GI. **Biochem Biophys Res Commun** 1987 Feb 13; 142(3):1046–52

An improved method for the detection of malignancy by proton NMR spectroscopy of plasma. Otvos JD, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1397–403

The release of radioactive arachidonate from lipids of red blood cells during prolonged incubations in vitro. Baker RR, et al. **Biochem Cell Biol** 1987 May;65(5):444–51

Effect of different neutral phospholipids on apolipoprotein binding by artificial lipid particles in vivo. Tong MF, et al. **Biochem Cell Biol** 1986 Aug;64(8):826–35

Effect of acidic phospholipids on apolipoprotein binding by artificial lipid particles in vivo. Tong MF, et al. **Biochem Cell Biol** 1986 Aug;64(8):836–46

Dietary carbohydrate type and cholesterol-induced hypercholesterolemia in cynomolgus monkeys: influence of oral antibiotic. Srinivasan SR, et al. **Biochem Med Metab Biol** 1987 Jun;37(3):295–306

Changes in unsaturated fatty acids in serum lipids of hamsters infected with schistosomes (S. mansoni). Allan D, et al. **Biochim Biophys Acta** 1987 Jun 2;919(2):199–202

Serum lipids and lipoproteins in the atherosclerosis prone LA/N corpulent rat. Dolphin PJ, et al. **Biochim Biophys Acta** 1987 Jun 2;919(2):140–8

Changes of plasma lipids and long-chain n-3 and n-6 fatty acids in plasma, liver, heart and kidney phospholipids of rats fed variable levels of fish oil with or without cholesterol supplementation. Huang YS, et al. **Biochim Biophys Acta** 1986 Oct 24;879(1):22–7

Diurnal variations of plasma lipids, tissue and plasma lipoprotein lipase, and VLDL secretion rates in the rat. A model for studies of VLDL metabolism. Marrino P, et al. **Biochim Biophys Acta** 1987 Aug 15;920(3):277–84

Glucocorticoid-induced elevation of serum high-density lipoprotein-cholesterol and its reversal by adrenocorticotropin in the rat. Mitamura T. **Biochim Biophys Acta** 1987 Jan 13;917(1):121–30

Placental function in maternal-fetal fat transport in diabetes. Shafrir E, et al. **Biol Neonate** 1987;51(2):102–12 (48 ref.)

Plasma lipids and prolactin in patients with breast cancer. Bani IA, et al. **Br J Cancer** 1986 Sep;54(3):439–46

Cyproterone acetate, an alternative progestogen in postmenopausal hormone replacement therapy? Effects on serum lipids and lipoproteins. Jensen J, et al. **Br J Obstet Gynaecol** 1987 Feb;94(2):136–41

Plasma lipids and other factors in the LA/N corpulent rat in the presence of chronic exercise and food restriction. Russell JC, et al. **Can J Physiol Pharmacol** 1986 Jun; 64(6):750–6

Total and lipid-associated serum sialic acid levels in cancer patients with different primary sites and differing degrees of metastatic involvement. Plucinsky MC, et al. **Cancer** 1986 Dec 15;58(12):2680–5

Effects of pindolol and clopamide on blood lipids in arterial hypertensive patients. Román O, et al. **Cardiology** 1987; 74(3):219–25

Fatty acid compositions of plasma lipids in young atopic patients. Sakai K, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):2944–9

Association of levels of lipoprotein Lp(a), plasma lipids, and other lipoproteins with coronary artery disease documented by angiography. Dahlen GH, et al. **Circulation** 1986 Oct; 74(4):758–65

Erythrocyte membrane alterations and plasma lipids in patients with chylomicronemia and in Tangier disease. Frohlich J, et al. **Clin Biochem** 1986 Aug;19(4):229–34

The predictive value of lipid studies in patients undergoing cardiac catheterization and open heart surgery. Niedbala RS, et al. **Clin Biochem** 1986 Oct;19(5):308–10

A comparison of fatty acid composition of cholesteryl esters in subjects at various concentrations of serum lipid. Wang ST, et al. **Clin Biochem** 1987 Feb;20(1):31–5

Relationship between fructosamine and plasma lipid concentrations in patients with diabetes mellitus [letter] Baker J, et al. **Clin Chem** 1987 Apr;33(4):629

Serum lipids in hyper- and hypothyroidism before and after treatment. Friis T, et al. **Clin Chim Acta** 1987 Jan 30; 162(2):155–63

Automated enzymatic standardized lipid analyses for plasma and lipoprotein fractions. McNamara JR, et al. **Clin Chim Acta** 1987 Jun 30;166(1):1–8

Heparin-induced hyperlipidemia in a patient with pre-existing dysbetalipoproteinemia. Henann NE. **Clin Pharm** 1986 Sep;5(9):761–4

Low-dose oral contraceptives: progestin potency, androgenicity, and atherogenic potential. Ellis J. **Clin Ther** 1986;8(6):607–18 (36 ref.)

Effects of antihypertensive drugs on lipid metabolism. Leren P. **Clin Ther** 1987;9(3):326–32

Concentrations of carbohydrates and lipids of guinea pigs after five days starvation. Khalifa MH. **Comp Biochem Physiol [A]** 1986;85(2):225–7

Serum cortisol, glucose and lipids in plaice (Pleuronectes platessa L.) exposed to starvation and aquarium stress. White A, et al. **Comp Biochem Physiol [A]** 1986; 84(4):649–53

Comparative effects of monophasic desogestrel plus ethinyloestradiol and triphasic levonorgestrel plus ethinyloestradiol on lipid metabolism. Kloosterboer HJ, et al. **Contraception** 1986 Aug;34(2):135–44

Glucose and lipid metabolism with triphasic oral contraceptives in women with history of gestational diabetes. Kung AW, et al. **Contraception** 1987 Mar; 35(3):257–69

Quality control of biochemical data in the Multiple Risk Factor Intervention Trial: Central Laboratory. Widdowson GM, et al. **Controlled Clin Trials** 1986 Sep;7(3 Suppl):17S–33S

The influence of cod-liver oil diet on various lipid metabolism parameters, the thromboxane formation capacity, platelet function and the serum MDA level in patients suffering from myocardial infarction. Kahl PE, et al. **Cor Vasa** 1987;29(3):199–208

Lipid markers, coronary score and coronary artery disease of stable angina pectoris type. Kusá O, et al. **Cor Vasa** 1987;29(3):192–8

Effect of exercise and diet on lipids and cardiovascular disease. Colt EW, et al. **Curr Concepts Nutr** 1986;15:117–43 (205 ref.)

Serum lipids and lipoproteins in hypothyroidism. Schjeide OA, et al. **Cytobios** 1986;48(192):7–24

Plasma lipid fatty acids and platelet function during continuous subcutaneous insulin infusion in type I diabetes. Monnier LH, et al. **Diabete Metab** 1987 Jun;13(3):210–6

The effects of one month high fructose intake on plasma glucose and lipid levels in non-insulin-dependent diabetes. McAteer EJ, et al. **Diabetic Med** 1987 Jan–Feb;4(1):62–4

Improvement of diabetic control by continuous subcutaneous insulin infusion therapy changes fatty acid composition of serum lipids and erythrocytes in type 1 (insulin-dependent) diabetes. Tilvis RS, et al. **Diabetologia** 1986 Oct; 29(10):690–4

Gallstone dissolution treatment with a combination of chenodeoxycholic and ursodeoxycholic acids. Studies of safety, efficacy and effects on bile lithogenicity, bile acid pool, and serum lipids. Roehrkasse R, et al. **Dig Dis Sci** 1986 Oct;31(10):1032–40

The effects of antihypertensive drugs on serum lipids and lipoproteins, I. Diuretics. Ames RP. **Drugs** 1986 Sep; 32(3):260–78 (88 ref.)

The effects of antihypertensive drugs on serum lipids and lipoproteins. II. Non-diuretic drugs. Ames RP. **Drugs** 1986 Oct;32(4):335–57 (103 ref.)

Concentrations of lipids, lipoproteins and apolipoproteins in Zimbabwean diabetic patients. Gomo ZA. **East Afr Med J** 1986 Aug;63(8):550–6

Effect of amiodarone on serum lipids, lipoprotein lipase, and hepatic triglyceride lipase. Kasim SE, et al. **Endocrinology** 1987 May;120(5):1991–5

Effects of chlorinated drinking water on human lipid metabolism. Wones RG, et al. **Environ Health Perspect** 1986 Nov;69:255–8

Interactions of stress hormones on lipid and carbohydrate metabolism in man with partial insulin deficiency. Pernet A, et al. **Eur J Clin Invest** 1986 Aug;16(4):310–5

Effects of bisoprolol on blood pressure, serum lipids and HDL-cholesterol in essential hypertension. Frithz G, et al. **Eur J Clin Pharmacol** 1987;32(1):77–80

Serum lipids and lipoproteins in ischaemic heart disease following withdrawal of long-term metoprolol treatment. Olsson G, et al. **Eur J Clin Pharmacol** 1987;32(3):245–8

Nippostrongylus brasiliensis: physiological and metabolic responses of rats to primary infection. Ovington KS. **Exp Parasitol** 1987 Feb;63(1):10–20

Studies on lipid and lipoprotein metabolism in rat liver cirrhosis induced by different regimens of thioacetamide administration. Zimmermann T, et al. **Exp Pathol** 1986; 30(2):109–17

The dietary effects of xanthan gum in man. Eastwood MA, et al. **Food Addit Contam** 1987 Jan–Mar;4(1):17–26

Noradrenaline, propranolol and adrenochrome interactions with the dynamic of haemolymph lipids in worker honeybees. Bounias M. **Horm Metab Res** 1986 Dec; 18(12):804–10

Effects of CS-514, a new inhibitor of HMG CoA reductase, on plasma lipids, lipoproteins and apoproteins in patients with primary hypercholesterolemia. Kazumi T, et al. **Horm Metab Res** 1986 Sep;18(9):654–5

Effects of cyproterone acetate (CPA) on serum lipoproteins when administered alone and in combination with ethinyl estradiol (EE). Lindberg UB, et al. **Horm Metab Res** 1987 May;19(5):222–5

Metabolic effects of stanozolol in type II diabetes mellitus. Small M, et al. **Horm Metab Res** 1986 Sep;18(9):647–8

Height-weight indices and blood lipid levels in normal controls and offspring of conjugal diabetics. Battinelli T, et al. **Hum Biol** 1986 Aug;58(4):601–14

The relationship between somatotype and serum lipids in

male and female young adults. Gordon E, et al. **Hum Biol** 1987 Jun;59(3):459–65

Effect of haptoglobin subtypes on serum lipid levels. Børresen AL, et al. **Hum Hered** 1987;37(3):150–6

Robustness of path analysis of family resemblance against deviations from multivariate normality. Rao DC, et al. **Hum Hered** 1987;37(2):107–12

Lipid profile of patients of chronic renal failure. Avasthi G, et al. **Indian J Med Res** 1986 Dec;84:612–6

Lipids & lipoproteins in amoebic liver abscess. Gandhi BM, et al. **Indian J Med Res** 1986 Jun;83:594–9

Effect of centrally administered glucagon on blood lipids in anesthetised dogs. Agarwala GC, et al. **Indian J Physiol Pharmacol** 1986 Oct–Dec;30(4):280–8

Relationship of examination stress to serum lipid profile. Bijlani RL, et al. **Indian J Physiol Pharmacol** 1986 Jan–Mar; 30(1):22–30

Glucose concentration in the dialysate and lipid abnormalities in chronic hemodialysis patients. Ramirez G, et al. **Int J Artif Organs** 1987 Jan;10(1):31–6

Effect of beta-blockers on plasma lipids. Pasotti C, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Aug;24(8):448–52

Effect of primrose oil on serum lipids and blood pressure in hyperlipidemic subjects. Viikari J, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Dec;24(12):668–70

Alterations in blood sugar, protein, and lipid levels in Indian women by norethisterone enanthate. Chaudhuri C, et al. **Int J Fertil** 1987 May–Jun;32(3):240–4

Obesity and serum lipids: an evaluation of the relative contribution of body fat and fat distribution to lipid levels. Foster CJ, et al. **Int J Obes** 1987;11(2):151–61

Changes in serum lipids after gastric bypass surgery. Lack of a relationship to weight loss. Kelly TM, et al. **Int J Obes** 1986;10(6):443–52

Sex hormones, lipids, lipoprotein cholesterols, and apolipoproteins in normal and obese subjects: atherogenic relationships. Mendoza SG, et al. **Int J Obes** 1986; 10(6):427–41

The influence of a high-fibre diet on body weight, serum lipids and blood pressure in slightly overweight persons. A randomized, double-blind, placebo-controlled investigation with diet and fibre tablets (DumoVital). Solum TT, et al. **Int J Obes** 1987;11 Suppl 1:67–71

Dietary intake, anthropometric measurements, and blood lipid values in weight training athletes (body builders). Faber M, et al. **Int J Sports Med** 1986 Dec;7(6):342–6

Lipoprotein and lipid profiles of elite athletes in Olympic sports. Tsopanakis C, et al. **Int J Sports Med** 1986 Dec; 7(6):316–21

Changes of serum lipids and lipoproteins during haemodialysis treatment in dialysed chronic uraemic patients. László A, et al. **Int Urol Nephrol** 1986;18(4):463–70

The effect of 7 years of intense exercise training on patients with coronary artery disease. Rogers MA, et al. **J Am Coll Cardiol** 1987 Aug;10(2):321–6

Long-term effects of bisoprolol on blood pressure, serum lipids, and HDL-cholesterol in patients with essential hypertension. Frithz G, et al. **J Cardiovasc Pharmacol** 1986; 8 Suppl 11:S134–8

Plasma lipid fractions during bopindolol treatment in hypertensive patients. van Brummelen P, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 6:S42–4

One-dimensional thin-layer chromatographic separation of lipids into fourteen fractions by two successive developments on the same plate. Kovács L, et al. **J Chromatogr** 1986 Oct 31;382:308–13

Usefulness of gas chromatographic profiles of plasma total lipids in diagnosis of phytosterolemia. Kuksis A, et al. **J Chromatogr** 1986 Aug 22;381(1):1–12

Quantitative determinztion of the fatty acid composition of human serum lipids by high-performance liquid chromatography. Shimomura Y, et al. **J Chromatogr** 1986 Nov 28;383(1):9–17

Enzymic clearing of lipaemic serum following total parenteral nutrition: determination of neonatal bilirubin as a model. Sharma A, et al. **J Clin Chem Clin Biochem** 1986 Aug;24(8):571–5

Correlation of hormones with lipid and lipoprotein levels during normal pregnancy and postpartum. Desoye G, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):704–12

Effect of menstrual cycle phase on plasma lipids. Woods M, et al. **J Clin Endocrinol Metab** 1987 Aug;65(2):321–3

The effect of once-daily minoxidil on blood pressure and plasma lipids. Johnson BF, et al. **J Clin Pharmacol** 1986 Sep–Oct;26(7):534–8

Effect of large-dose progesterone on plasma levels of lipids, lipoproteins and apolipoproteins in males. Chen JJ, et al. **J Endocrinol Invest** 1986 Aug;9(4):281–5

Changes in respiratory functions and serum lipids during prolonged treadmill walking. Yamasaki M, et al. **J Hum Ergol (Tokyo)** 1985 Dec;14(2):105–12

Effects of recombinant interferon-alpha 2 treatment upon lipid concentrations and lipoprotein composition. Massaro ER, et al. **J Interferon Res** 1986 Dec;6(6):655–62

Recognition of vesicular lipoproteins by the apolipoprotein B,E receptor of cultured fibroblasts. Williams KJ, et al. **J Lipid Res** 1986 Aug;27(8):892–900

Effect of egg cholesterol and dietary fats on plasma lipids, lipoproteins, and apoproteins of normal women consuming natural diets. Zanni EE, et al. **J Lipid Res** 1987 May; 28(5):518–27

Lipid and lipoprotein contents in normal Thai subjects. Nitiyanant W, et al. **J Med Assoc Thai** 1987 Jan;70(1):20–3

Lipid and lipoprotein abnormalities in non-insulin dependent diabetics (NIDDM). Nitiyanant W, et al. **J Med Assoc Thai** 1987 Mar;70 Suppl 2:204–8

An interlaboratory study of lipid effects on steroid radioimmunoassay. Bolelli GF, et al. **J Nucl Med Allied Sci** 1986 Oct–Dec;30(4):209–13

Dietary mackerel oil in pigs: effect on plasma lipids, cardiac sarcolemmal phospholipids and cardiovascular parameters. Hartog JM, et al. **J Nutr** 1987 Aug;117(8):1371–8

Similar effects of zinc deficiency and restricted feeding on plasma lipids and lipoproteins in rats [letter] Koo SI, et al. **J Nutr** 1987 Jun;117(6):1161–3

Influence of thyroid status on body weight gain, food intake and serum lipid levels in genetically obese Zucker rats. Loireau A, et al. **J Nutr** 1987 Jan;117(1):159–63

Similar effects of zinc deficiency and restricted feeding on plasma lipids and lipoproteins in rats. Schneeman BO, et al. **J Nutr** 1986 Oct;116(10):1889–95

In vivo behavior of polymerized lipid vesicles. Krause HJ, et al. **J Pharm Sci** 1987 Jan;76(1):1–5

Ethynylestradiol alters lipid composition and phosphatidylethanolamine metabolism in red blood cells. Le Petit-Thèvenin J, et al. **J Steroid Biochem** 1986 Oct; 25(4):601–3

The effect of CS-514 on serum lipids and apolipoproteins in hypercholesterolemic subjects. Nakaya N, et al. **JAMA** 1987 Jun 12;257(22):3088–93

How to manage a 36-year-old man with coronary disease [letter] Schwartz MW. **JAMA** 1987 Aug 14;258(6):778–9

'Oncolipids' offer promise as universal screening tool for cancer [news] Zylke JW. **JAMA** 1987 Apr 10;257(14):1849

Effect of mild aerobic exercise on serum lipids and apolipoproteins in patients with coronary artery disease. Urata H, et al. **Jpn Heart J** 1987 Jan;28(1):27–34

Lipids from human platelets in primary thrombocythemia. Kyogashima M, et al. **Jpn J Exp Med** 1986 Jun;56(3):113–8

Dynamics of plasma lipoproteins and lipids during double filtration plasmapheresis (DEP). Sakata S, et al. **Jpn J Med** 1987 May;26(2):176–9

Chronic hyperprolactinemia and plasma lipids in women. Heshmati HM, et al. **Klin Wochenschr** 1987 Jun 1; 65(11):516–9

Long-term effects of nifedipine on carbohydrate and lipid metabolism in hypertensive hemodialyzed patients. Riegel W, et al. **Klin Wochenschr** 1986 Oct 31;64(21):1124–30

Statistical analysis of Lipid Research Clinics Program [letter] **Lancet** 1987 Apr 4;1(8536):801

Statistical analysis of lipid research clinics program [letter] Pinckney ER, et al. **Lancet** 1987 Feb 28;1(8531):503–4

Effect of bromocriptine on lipid plasma levels in rats. el-Denshary ES, et al. **Life Sci** 1987 Apr 13;40(15):1531–5

An initial screening of serum lipids and fatty acid profiles of hypertensive and normotensive subjects. Sun SH, et al. **Life Sci** 1987 Feb 9;40(6):527–34

Periodate-induced lipid oxidation of erythrocyte membranes. Beppu M, et al. **Lipids** 1987 May;22(5):312–7

Net lipid transfer between lipoproteins in fish-eye disease plasma supplemented with normal high density lipoproteins. Holmquist L, et al. **Lipids** 1987 May; 22(5):305–11

Effect of hypothyroidism on the lipid composition of rat plasma and erythrocyte membranes. Ruggiero FM, et al. **Lipids** 1987 Mar;22(3):148–51

Effects on plasma lipids and fatty acid composition of very low fat diets enriched with fish or kangaroo meat. Sinclair AJ, et al. **Lipids** 1987 Jul;22(7):523–9

Lipids from Plasmodium vinckei-infected erythrocytes and their susceptibility to oxidative damage. Stocker R, et al. **Lipids** 1987 Jan;22(1):51–7

Clinical and lipid metabolic effects of unopposed oestrogen and two oestrogen-progestogen regimens in post-menopausal women. Hirvonen E, et al. **Maturitas** 1987 Apr;9(1):69–79

Effects of natural oestrogen/progestogen substitution therapy on carbohydrate and lipid metabolism in post-menopausal women. Luotola H, et al. **Maturitas** 1986 Oct;8(3):245–53

Lipid Profile Consultation. Bachorik PS. **MD Comput** 1987 Jul–Aug;4(4):50–2

Effects of MK-733 on plasma lipid and lipoprotein levels in subjects with hypercholesterolaemia. Simons LA, et al. **Med J Aust** 1987 Jul 20;147(2):65–8

Serum lipid and lipoprotein-cholesterol in rats jointly exposed to carbon disulphide and ethanol. Laurman W, et al. **Med Pr** 1986;37(6):337–41

Persistent hyperlipidemia in renal transplant patients. Kasiske BL, et al. **Medicine (Baltimore)** 1987 Jul;66(4):309–16

Alterations in lipid and protein profiles of plasma lipoproteins in middle-aged men consequent to an aerobic exercise program. Baker TT, et al. **Metabolism** 1986 Nov; 35(11):1037–43

Effects of CS-514 on serum lipoprotein lipid and apolipoprotein levels in patients with familial hypercholesterolemia. Mabuchi H, et al. **Metabolism** 1987 May;36(5):475–9

Effects of moderate alcohol consumption on platelet aggregation, fibrinolysis, and blood lipids. Pikaar NA, et al. **Metabolism** 1987 Jun;36(6):538–43

Association of serum lipids and lipoproteins with plasma C-peptide concentration in non-insulin-dependent diabetic and non-diabetic subjects. Sarlund H, et al. **Metabolism** 1987 Sep;36(9):840–5

Mitigation of alimentary lipemia by postprandial exercise--phenomena and mechanisms. Schlierf G, et al. **Metabolism** 1987 Aug;36(8):726–30

The influence of sex-specific brain differentiation on lipid metabolism in rats. Kahl PE, et al. **Monogr Neural Sci** 1986; 12:161–6

Detection of malignant tumors. Water-suppressed proton nuclear magnetic resonance spectroscopy of plasma. Fossel ET, et al. **N Engl J Med** 1986 Nov 27;315(22):1369–76

Oncolipids? A possible new approach to diagnosis of cancer [editorial] Schein PS. **N Engl J Med** 1986 Nov 27; 315(22):1410–1

Diabetes mellitus and atherosclerosis [letter] Slavina ES, et al. **N Engl J Med** 1987 Sep 24;317(13):836

Butylated hydroxytoluene addition improves the thiobarbituric acid assay for malonaldehyde from chicken plasma fat. Pikul J, et al. **Nahrung** 1986;30(7):673–8

Serum lipids after stroke. Mendez I, et al. **Neurology** 1987 Mar;37(3):507–11

Circulating lipid levels and severity of diabetic retinopathy in type I diabetes mellitus. Miccoli R, et al. **Ophthalmic Res** 1987;19(1):52–6

Erythrocyte lipid abnormalities in Reye's syndrome. Schwarz KB, et al. **Pediatr Res** 1987 Apr;21(4):352–6

Further definition of lipid-lipoprotein abnormalities in children with various degrees of chronic renal insufficiency. Zacchello G, et al. **Pediatr Res** 1987 May; 21(5):462–5

The effect of amino acid derivative of clofibric acid (WKLB-5), and theophylline monoester of nicotinic acid (ME1) on the development of experimental atherosclerosis in rabbits. Wójcicki J, et al. **Pol J Pharmacol Pharm** 1986 Jan–Feb;38(1):77–84

Religious observance and plasma lipids and lipoproteins among 17-year-old Jewish residents of Jerusalem. Friedlander Y, et al. **Prev Med** 1987 Jan;16(1):70–9

Dietary intervention studies to reduce risk factors related to cardiovascular diseases and cancer. Iacono JM. **Prev Med** 1987 Jul;16(4):516–24

Effects of a low-fat, low-cholesterol diet on serum lipids, platelet aggregation and thromboxane formation. Barnard RJ, et al. **Prostaglandins Leukotrienes Med** 1987 Mar; 26(3):241–52

The role of type A behavior and hostility in an elevation of plasma lipids in adult women and men. Weidner G, et al. **Psychosom Med** 1987 Mar–Apr;49(2):136–45

Interrelationships between body mass and lipid and lipoprotein triglycerides and cholesterol in obese women. Sommariva D, et al. **Ric Clin Lab** 1986 Jul–Sep;16(3):481–8

Synergistic lipid-lowering effects of alfalfa meal as an adjuvant to the partial ileal bypass operation. Esper E, et al. **Surgery** 1987 Jul;102(1):39–51

Changes of serum levels of lipid components and apo-lipoproteins after hepatectomy in patients with hepatocellular carcinoma. Liu CL, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Mar;86(3):248–54

Age related changes in platelet lipid composition. Prisco D, et al. **Thromb Res** 1986 Nov 15;44(4):427–37

Effects of smoking on regional cerebral blood flow in cerebral vascular disease patients and normal subjects. Kubota K, et al. **Tohoku J Exp Med** 1987 Mar;151(3):261–8

Hepatic peroxisome proliferation and hypolipidemic effects of di(2-ethylhexyl)phthalate in neonatal and adult rats. Dostal LA, et al. **Toxicol Appl Pharmacol** 1987 Jan; 87(1):81–90

HDL2- and HDL3-cholesterol in normolipemic patients with peripheral vascular occlusive disease. Mannarino E, et al. **Vasa** 1986;15(3):217–9

Antihypertensive therapy, serum lipids, coronary heart disease and hypertension--balancing the risks and benefits of treatment. Houston MC. **West J Med** 1986 Aug; 145(2):219–21

The effects of diuretics and adrenergic-blocking agents on plasma lipids. Rohlfing JJ, et al. **West J Med** 1986 Aug; 145(2):210–8 (89 ref.)

Effects of lead deficiency on lipid metabolism. Reichlmayr-Lais AM, et al. **Z Ernahrungswiss** 1986 Sep; 25(3):165–70

[The effect of a fiber-rich diet on glucoregulation and lipidemia in diabetics] Manojlović D, et al. **Cas Lek Cesk** 1986 Nov 21;125(47):1437–42 (Eng. Abstr.) (Cze)

[Effect of low-protein diet including keto analogs of essential amino acids on lipid metabolism in patients with chronic renal insufficiency] Teplan V, et al. **Cas Lek Cesk** 1986 Nov 14;125(46):1412–6 (Eng. Abstr.) (Cze)

[Lipid, lipoprotein and apolipoprotein levels in men after myocardial infarct] Sedlák F, et al. **Vnitr Lek** 1987 May; 33(5):424–8 (Eng. Abstr.) (Cze)

[Lipid and apolipoprotein levels in health and disease] Steinerová A, et al. **Vnitr Lek** 1987 Feb;33(2):105–12 (Eng. Abstr.) (Cze)

[Repeated serum lipid measurements] Olsen J, et al. **Ugeskr Laeger** 1987 Jun 22;149(26):1741–3 (Eng. Abstr.) (Dan)

[Hormonal contraception with ethinylestradiol and gestoden. The effects on glucose tolerance and lipid metabolism] Petersen KR, et al. **Ugeskr Laeger** 1987 Jun 8; 149(24):1614–6 (Eng. Abstr.) (Dan)

[Reference values for lipids from a Danish region] Strunge P, et al. **Ugeskr Laeger** 1987 Jun 22;149(26):1738–41 (Eng. Abstr.) (Dan)

[Screening of essential fatty acid deficiency in children. Respective value of the assay of fatty acids in total lipids and lipid fractions of the serum] Garcia J, et al. **Ann Biol Clin (Paris)** 1986;44(4):380–3 (Eng. Abstr.) **(Fre)**

[Assay of free plasma lipids after femoral and tibial fractures and centromedullary nailing] Khalfa K, et al. **Ann Biol Clin (Paris)** 1986;44(4):397–402 (Eng. Abstr.) **(Fre)**

[Lipid determination in current medical practice] Bakir R, et al. **Ann Dermatol Venereol** 1986;113(9):855–9 **(Fre)**

[Effects of tertatolol on atherogenicity indices in normo- or dis-lipemic hypertensive patients] Richard JL, et al. **Ann Med Interne (Paris)** 1987;138 Suppl 1:35–8 **(Fre)**

[Effects of the relative enrichment of polyunsaturated fatty acids in insulin-dependent diabetic patients] De Leeuw IH, et al. **Diabete Metab** 1986 Oct;12(5):246–9 (Eng. Abstr.) **(Fre)**

[Modification of individual parameters of carbohydrate and lipid metabolism by medium and long-chain triglycerides] Eckart J, et al. **Beitr Infusionther Klin Ernahr** 1986; 13:100–27 **(Ger)**

[Peculiarities of carbohydrates and lipids in parenteral nutrition of severely ill patients] Lindholm M. **Beitr Infusionther Klin Ernahr** 1986;13:142–53 **(Ger)**

[Effects of a chlormadinone acetate-containing ovulation inhibitor on androgenization pictures and liver and lipid metabolism in young females] Cirkel U, et al. **Geburtshilfe Frauenheilkd** 1986 Jul;46(7):439–43 (Eng. Abstr.) **(Ger)**

[Modification of lipid metabolism by hPL in late pregnancy] Neulen J, et al. **Geburtshilfe Frauenheilkd** 1987 Apr; 47(4):270–3 (Eng. Abstr.) **(Ger)**

[Relations between hemostasis parameters and fatty acid composition of serum lipid fractions—results of a study in obese children] Hobert I, et al. **Kinderarztl Prax** 1986 Aug;54(8):439–47 (Eng. Abstr.) **(Ger)**

[Metabolic disorders in diabetic retinopathy] Eichberger-Milanović L, et al. **Klin Monatsbl Augenheilkd** 1986 Nov;189(5):359–60 (Eng. Abstr.) **(Ger)**

[Disorders of lipid metabolism and atherosclerosis] Weber R. **Med Monatsschr Pharm** 1986 Aug;9(8):236–8 **(Ger)**

[Nitrogen and lipid balances in newborn infants with low birth weight fed lyophilized breast milk of various composition] Melichar V, et al. **Padiatr Padol** 1986; 21(3):241–8 (Eng. Abstr.) **(Ger)**

[Lipid metabolism in type II diabetes mellitus] Gries FA, et al. **Verh Dtsch Ges Inn Med** 1986;92:571–9 **(Ger)**

[Effect of celiprolol and metoprolol on serum lipids in patients with various forms of hyperlipoproteinemia] Pristautz H, et al. **Wien Med Wochenschr** 1986 Sep 15; 136(17):443–8 (Eng. Abstr.) **(Ger)**

[Effect of diet and exercise therapy on body weight, performance and lipid metabolism of post-infarct patients during a 4-week rehabilitation program] Schmid P, et al. **Wien Med Wochenschr** 1986 Nov 30;136(21–22):562–7 (Eng. Abstr.) **(Ger)**

[Introduction to current problems in arteriosclerosis research] Hecht A. **Z Gesamte Inn Med** 1986 Jul 15;41(14):385–7 (Eng. Abstr.) **(Ger)**

[Postprandial hyperlipemia, circadian rhythm and the stress test in lipid metabolism] Herrmann W, et al. **Z Gesamte Inn Med** 1986 Sep 15;41(18):489–93 (Eng. Abstr.) **(Ger)**

[Parameters of normal and disordered lipid metabolism in the progression and regression of arteriosclerosis] Künnert B. **Z Gesamte Inn Med** 1986 Jul 15;41(14):394–9 (Eng. Abstr.) **(Ger)**

[Morphologic and lipid chemistry findings in atherosclerotic femoral arteries] Oehme C, et al. **Z Kardiol** 1986 Dec; 75(12):725–9 (Eng. Abstr.) **(Ger)**

[Plasma tocopherol and retinol levels and their correlation with circulating lipids in healthy adult subjects] Audisio M, et al. **Boll Soc Ital Biol Sper** 1986 Aug 30;62(8):1009–16 (Eng. Abstr.) **(Ita)**

[Plasma tocopherol and retinol levels and their correlation with circulating lipids in dyslipidemia subjects] Suraci C, et al. **Boll Soc Ital Biol Sper** 1986 Aug 30;62(8):1017–23 (Eng. Abstr.) **(Ita)**

[Analysis of various lipid parameters in relation to occupational activity and smoking and alcohol drinking habits in a homogeneous population sample] Agostinelli C, et al. **Quad Sclavo Diagn** 1986 Jun;22(2):148–57 (Eng. Abstr.) **(Ita)**

[Preliminary considerations on blood lipid parameters and blood insulin after oral glucose tolerance test] Ricci MS, et al. **Quad Sclavo Diagn** 1986 Mar;22(1):58–67 (Eng. Abstr.) **(Ita)**

[Effects of physiological factors on plasma lipids and lipoproteins in normal subjects] Tsuji M. **Nippon Naika Gakkai Zasshi** 1986 Jul;75(7):909–18 **(Jpn)**

[The effects of elementary diet for long term treatment on the serum lipids, serum apolipoproteins, blood lipoproteins, blood polyunsaturated fatty acids and blood coagulation-fibrinolysis system] Kobayashi Y, et al. **Nippon Ronen Igakkai Zasshi** 1987 Mar;24(2):146–52 (Eng. Abstr.) **(Jpn)**

[Effects of danazol on serum lipid and lipoprotein levels in patients with endometriosis] Fukuda Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jun;39(6):980–6 (Eng. Abstr.) **(Jpn)**

[Rat hypolipidemia and lipid metabolic change in the liver induced by 17 alpha ethynyl estradiol treatment] Hayashi K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep; 83(9):2022–7 (Eng. Abstr.) **(Jpn)**

[Normal ranges of serum lipid levels on the basis of normal and diseased subjects] Okada M, et al. **Rinsho Byori** 1987 May;35(5):561–4 **(Jpn)**

[Liver function tests: analysis of serum lipids—lipid peroxides, total cholesterol, cholesterol esters, free fatty acids, triglycerides and apolipoproteins] Tanaka T, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:82–92 (52 ref.) **(Jpn)**

[Lipid compound levels in various trimesters of pregnancy] Błaziak M. **Ginekol Pol** 1986 Sep;57(9):588–91 (Eng. Abstr.) **(Pol)**

[Evaluation of the biochemical indicators of risk of atherosclerosis in children with simple obesity] Obuchowicz A, et al. **Pediatr Pol** 1986 Jul;61(7):409–14 (Eng. Abstr.) **(Pol)**

[Serum lipids in patients with hypertension treated with prazosin] Bukowska H, et al. **Pol Arch Med Wewn** 1986 Jul;76(1):1–6 (Eng. Abstr.) **(Pol)**

[Effect of estrogen treatment on serum lipids in women with the climacteric syndrome] Chojnowska-Jezierska J, et al. **Pol Arch Med Wewn** 1986 May;75(5):321–6 (Eng. Abstr.) **(Pol)**

[Effect of surgical exclusion of the terminal segment of the jejunum on plasma lipid level in rabbits after administration of a cholesterol-fat diet] Michalak J, et al. **Pol Arch Weter** 1986;25(4):57–66 (Eng. Abstr.) **(Pol)**

[Effect of long-term treatment with fenofibrate on serum lipids and lipoproteins in patients with hypercholesterolemia and hypertriglyceridemia] Sznajderman M. **Pol Tyg Lek** 1986 Dec 22–29; 41(51–52):1633–7 (Eng. Abstr.) **(Pol)**

[Lipid levels in patients with psoriasis treated by the PUVA method] Ruszczak Z, et al. **Przegl Dermatol** 1986 Nov–Dec; 73(6):447–50 (Eng. Abstr.) **(Pol)**

[Blood serum lipids in the population from an industrial environment] Sroczyński J, et al. **Przegl Lek** 1986; 43(9):614–8 (Eng. Abstr.) **(Pol)**

[Serum lipids in men under 45 years of age with primary hypertriglyceridemia and after myocardial infarction. I. Triglycerides] Torbus-Lisiecka B, et al. **Przegl Lek** 1986; 43(9):619–23 (Eng. Abstr.) **(Pol)**

[Changes in levels of triglycerides, cholesterol, noradrenaline and lactates in the blood of patients with severe coronary insufficiency after long-term physical exertion of low intensity] Ziółkowski L, et al. **Przegl Lek** 1986;43(8):552–8 (Eng. Abstr.) **(Pol)**

[Effects of pantethine on blood lipids] Giannini SD, et al. **Arq Bras Cardiol** 1986 Apr;46(4):283–9 (Eng. Abstr.) **(Por)**

[Serum lipids and gamma-glutamyltransferase in acute pancreatitis] Ionescu NG, et al. **Rev Chir [Chir]** 1986 Sep–Oct;35(5):345–8 (Eng. Abstr.) **(Rum)**

[Several atherogenic risk factors in a population group in Moldavia] Busuioc A, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jul–Sep;90(3):487–90 (Eng. Abstr.) **(Rum)**

[Experimental research on the action of a derivative from a p-chloropenoxyisobutyric acid series on lipid parameters] Filip M, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan–Mar;90(1):156–60 (Eng. Abstr.) **(Rum)**

[Physiopathologic correlations regarding changes in the lipid spectrum and hemostasis in patients with essential arterial hypertension] Barbu R, et al. **Rev Med Interna [Med Interna]** 1987 Mar–Apr;39(2):121–39 **(Rum)**

[Changes in plasma AGL during physical effort: effects of nifedipine, propranolol and a combination of propranolol and nifedipine on these changes] Pompilian V, et al. **Rev Med Interna [Med Interna]** 1986 Jul–Aug;38(4):319–21 **(Rum)**

[Effect of 17 alpha-ethinyl estradiol on the blood serum lipid indices of rats] Dolgov AV, et al. **Farmakol Toksikol** 1986 Nov–Dec;49(6):51–3 (Eng. Abstr.) **(Rus)**

[Age-related dynamics of the cyclic nucleotide and thyroid hormone content and fat-mobilizing activity of the blood] Gatsko GG, et al. **Fiziol Cheloveka** 1986 Jul–Aug; 12(4):570–4 **(Rus)**

[Dynamics of the lipid metabolic indices of young people adapting to long-term physical and psychoemotional loads] Polozhentsev SD, et al. **Fiziol Cheloveka** 1986 Nov–Dec; 12(6):956–60 **(Rus)**

[Metabolic reactions of representatives of different ethnic groups to a single use of ethanol] Rakhmanin IuA, et al. **Gig Sanit** 1987 Apr;(4):30–3 (Eng. Abstr.) **(Rus)**

[Study of the indicators of catecholamine excretion, lipid metabolism and the psychological status of air traffic controllers in the "pre-start" period]Kan EL, et al. **Gig Tr Prof Zabol** 1986 Nov;(11):28–33 (Eng. Abstr.) **(Rus)**

[Effect of physical training on lipid metabolism and the rheologic properties of the blood of patients with ischemic heart disease] Dudaev VA, et al. **Kardiologiia** 1986 Dec; 26(12):55–60 (Eng. Abstr.) **(Rus)**

[Status and correction of regional lipid metabolism in atherosclerosis obliterans of the arteries of the lower extremities] Ovchinnikov VA, et al. **Kardiologiia** 1987 Mar; 27(3):77–81 **(Rus)**

[Blood plasma lipids and apolipoproteins as indicators of coronary atherosclerosis] Polesskiĭ VA, et al. **Kardiologiia** 1986 Jul;26(7):42–5 (Eng. Abstr.) **(Rus)**

[Effect of characterologic risk factors of ischemic heart disease on lipid metabolism indices in young persons during adaptation to long-term psychoemotional and physical loads] Polozhentsev SD, et al. **Kardiologiia** 1986 Dec; 26(12):62–5 (Eng. Abstr.) **(Rus)**

[Effect of antianginal, hypotensive and diuretic agents on blood lipid composition] Preobrazhenskiĭ DV. **Kardiologiia** 1986 Aug;26(8):118–22 (48 ref.) **(Rus)**

[Population-genetic study of the blood lipids of the aboriginal population of the Obian North] Puzyrev VP, et al. **Kardiologiia** 1987 Jan;27(1):27–31 (Eng. Abstr.) **(Rus)**

[Features of lipid metabolism disorders of patients with the postgastrectomy dumping syndrome during a provocation test] Zhukova LV, et al. **Klin Khir** 1987;(2):55 **(Rus)**

[Effect of divascan on cerebrovascular circulation, lipid metabolism and hemostasis in patients with vasomotor headache] Eninia GI, et al. **Klin Med (Mosk)** 1987 Apr; 65(4):46–9 (Eng. Abstr.) **(Rus)**

[Characteristics of dyslipidemia in cardiac insufficiency in patients with rheumatic heart defects] Neverov IV, et al. **Klin Med (Mosk)** 1987 Jun;65(6):123–6 (Eng. Abstr.) **(Rus)**

[Dynamics of blood lipids and indicators of lipid peroxidation and energy metabolism after administration of Essentiale to patients with ischemic heart disease] Serkova VK. **Klin Med (Mosk)** 1986 Jul;64(7):91–5 (Eng. Abstr.) **(Rus)**

[Changes in arterial pressure, serum lipids and thromboxane B2 after using a diet with various levels of eicosapentaenoic acid in patients with hypertension] Zinger P, et al. **Klin Med (Mosk)** 1987 Jan;65(1):62–4 **(Rus)**

[Lipid metabolic indices in man during head-down tilt hypokinesia and their correction] Smirnov KV, et al. **Kosm Biol Aviakosm Med** 1986 Sep–Oct;20(5):34–7 (Eng. Abstr.) **(Rus)**

[Stepwise extraction of the blood lipids of rheumatoid arthritis and systemic lupus erythematosus patients] Bagirova GG. **Lab Delo** 1987;(3):215–7 (Eng. Abstr.) **(Rus)**

[Features of lipid metabolism in patients with acute and chronic vascular diseases of the brain] Beliaeva TIu, et al. **Lab Delo** 1987;(3):200–2 (Eng. Abstr.) **(Rus)**

[Detection of lipid metabolism disorders by the technic of in vitro serum incubation] Gribanov GA, et al. **Lab Delo** 1987;(3):207–11 (Eng. Abstr.) **(Rus)**

[Lipid extraction with a heptane-isopropanol mixture to determine diene conjugates] Kosukhin AB, et al. **Lab Delo** 1987;(5):333–7 (Eng. Abstr.) **(Rus)**

[Bile composition and serum lipids in chronic enteritis patients] Sukhov SV, et al. **Lab Delo** 1986;(9):525–7 (Eng. Abstr.) **(Rus)**

[Lipid-bound sialic acids in the diagnosis of malignant neoplasms of the lungs and stomach] Surina AG, et al. **Lab Delo** 1986;(8):470–3 (Eng. Abstr.) **(Rus)**

[Analysis of free radicals in blood lipids by spectrophotometric, fluorometric and kinetic methods] Ushkalova VN, et al. **Lab Delo** 1987;(6):446–50 (Eng. Abstr.) **(Rus)**

[Effect of hemodialysis on blood hormone and lipid levels in patients with chronic kidney failure] Dzhavad-Zade MD, et al. **Med Radiol (Mosk)** 1987 Feb;32(2):18–20 (Eng. Abstr.) **(Rus)**

[Effect of cholesterol oxidase on lipid metabolism in experimental atherosclerosis] Suvorova IM, et al. **Patol Fiziol Eksp Ter** 1986 Sep–Oct;(5):8–9 (Eng. Abstr.) **(Rus)**

[Lipid spectrum of erythrocyte membranes in newborn infants with intrauterine hypotrophy] Deshchekina MF, et al. **Pediatriia** 1986 Jul;(7):8–11 (Eng. Abstr.) **(Rus)**

[Variant lipidograms in assessing the severity and course of pseudotuberculosis in children] Gordeets AV, et al. **Pediatriia** 1987;(4):90–1 **(Rus)**

[Blood lipid characteristics of children with a hereditary disposition to diabetes mellitus] Ignatiuk TE, et al. **Pediatriia** 1987;(3):101–2 **(Rus)**

[Effect of Hippophae rhamnoides oil on the lipid concentration of serum, T-, B- and O-lymphocytes in acute pneumonia in young children] Khamraev AKh, et al. **Pediatriia** 1986 Sep;(9):75 **(Rus)**

[The nature of lipid metabolism in young infants in relation to their hereditary predisposition to obesity] Ulanova LN, et al. **Pediatriia** 1987;(4):86–7 **(Rus)**

[Various problems in the familial study of bronchial asthma] Vasilevskiĭ IV, et al. **Pediatriia** 1986 Dec;(12):19–23 (Eng. Abstr.) **(Rus)**

[Lipid metabolism and the activity of cardiospecific enzymes in diabetes mellitus] Margiavichene LE, et al. **Probl Endokrinol (Mosk)** 1986 Sep–Oct;32(5):28–32 (Eng. Abstr.) **(Rus)**

[Indices of the lipid spectrum of the blood serum and erythrocyte membranes in diabetes mellitus in children] Turkina TI, et al. **Probl Endokrinol (Mosk)** 1986 Sep–Oct; 32(5):32–6 (Eng. Abstr.) **(Rus)**

[Circadian rhythms of lipids and hormones in patients with hypertension and chronic ischemic heart disease] Briukhovetskiĭ AG, et al. **Sov Med** 1986;(9):3–6 (Eng. Abstr.) **(Rus)**

[Changes in plasma and erythrocyte lipids during physical training in ischemic heart disease] Gorbachenkov AA, et al. **Sov Med** 1987;(6):15–8 (Eng. Abstr.) **(Rus)**

[Lipid metabolism in a hypothalamic syndrome] Kavtaradze NP, et al. **Sov Med** 1986;(10):112–4 **(Rus)**

[Plasma apoproteins and lipids in children and adolescents with hereditary susceptibility to ischemic heart disease] Metel'skaia VA, *et al.* **Sov Med** 1986;(7):12–6 (Eng. Abstr.) **(Rus)**

[Relationship of the value of excess body weight to the blood concentration of cholesterol and triglycerides and the level of the basic hormones regulating lipid metabolism in healthy men 30 to 50 years old] Kolodin VA, et al. **Ter Arkh** 1986;58(12):24–7 (Eng. Abstr.) **(Rus)**

[Relation between features of the psychoemotional status and lipid metabolism of patients with ischemic heart disease and arrhythmias] Murashko VV, et al. **Ter Arkh** 1986; 58(11):94–7 (Eng. Abstr.) **(Rus)**

[Effect of an eicosapentaenoic acid–rich diet on the arterial pressure and lipid level in the blood of hypertension patients] Singer P, et al. **Ter Arkh** 1986;58(12):42–9 **(Rus)**

[Comparative characteristics of the plasma lipid composition of 10–11–year–old schoolchildren in Moscow and Novosibirsk] Tubol IB, et al. **Ter Arkh** 1987;59(1):26–9 (Eng. Abstr.) **(Rus)**

[Lipid metabolism disorders in scleroderma] Khamaganova IV. **Vestn Dermatol Venerol** 1986;(9):13–5 (Eng. Abstr.) **(Rus)**

[Neutral lipid spectrum in the blood plasma and erythrocytes of patients with psoriasis] Olisova MO, et al. **Vestn Dermatol Venerol** 1986;(10):17–21 (Eng. Abstr.) **(Rus)**

[The effect of hyperlipoproteinemia induced by the administration of an atherogenic lipoprotein fraction on various indices of lipid metabolism in rabbits] Bel'chenko DI, et al. **Vopr Med Khim** 1987 May–Jun;33(3):42–5 (Eng. Abstr.) **(Rus)**

[Characteristics of lipid composition, lipid peroxidation intensity and ATPase activity of lymphocytes in children with acute respiratory viral infections] Ivanova VV, et al. **Vopr Med Khim** 1986 Nov–Dec;32(6):111–5 (Eng. Abstr.) **(Rus)**

[Lipid composition of the serum in patients with alcoholism and chronic persistent hepatitis] Makarov VK, et al. **Vopr Med Khim** 1987 Mar–Apr;33(2):25–7 (Eng. Abstr.) **(Rus)**

[Hypolipidemic action of the racemic methyl ester of 16,16–dimethyl–D–homo–8–isoestrone] Ryzhenkov VE, et al. **Vopr Med Khim** 1987 Mar–Apr;33(2):65–8 (Eng. Abstr.) **(Rus)**

[A micromethod for determining total lipids in lymphocytes and other biological material] Taranova NP, et al. **Vopr Med Khim** 1987 Mar–Apr;33(2):132–6 (Eng. Abstr.) **(Rus)**

[Direct testing of the antioxidant activity of lipids by a kinetic method] Ushkalova VN, et al. **Vopr Med Khim** 1986 Nov–Dec;32(6):129–32 (Eng. Abstr.) **(Rus)**

[Relation of the lipid level of the blood plasma to the nature of the nutrition of the population] Davydenko NV, et al. **Vopr Pitan** 1986 Jul–Aug;(4):23–6 (Eng. Abstr.) **(Rus)**

[Changes in various indices of the blood–clotting system and lipid levels in patients with depression] Sonnik GT, et al. **Zh Nevropatol Psikhiatr** 1987;87(4):571–3 (Eng. Abstr.) **(Rus)**

[The effect of hemofiltration on elevated levels of serum lipids in patients with chronic kidney failure] Jeren–Struić B, et al. **Acta Med Iugosl** 1986;40(4):285–91 **(Ser)**

[The effect of a 100 kilometer run on total cholesterol, HDL–cholesterol, triglyceride and lipoprotein levels] Moličovič P, et al. **Vnitr Lek** 1987 Feb;33(2):113–6 (Eng. Abstr.) **(Slo)**

[Changes in carbohydrate and lipid metabolism in obesity] Actis Dato SM, et al. **Medicina (B Aires)** 1986;46(6):677–85 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Monoclonal antibodies recognizing lipid–laden cells and extracellular regions with lipid–deposits in atherosclerotic aorta. Kimura J, et al. **Virchows Arch [A]** 1986; 410(2):159–64

[Study of the molecular and cellular mechanisms of action of lipid immunomodulators] Fuks BB, et al. **Mol Gen Mikrobiol Virusol** 1985 Sep;(9):38–43 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Normal– and reverse–phase HPLC separations of fluorescent (NBD) lipids. Martin OC, et al. **Anal Biochem** 1986 Nov 15;159(1):101–8

Large–scale separation of lipids from organochlorine pesticides and polychlorinated biphenyls using a polymeric high–performance liquid chromatographic column. Seymour MP, et al. **Analyst** 1986 Oct;111(10):1203–5

Lipid composition of the epidermal gel secretion from the Arabian Gulf catfish (Arius thalassinus Ruppell). Al–Hassan JM, et al. **Comp Biochem Physiol [B]** 1986; 85(1):41–7

Structural characterization of the lipids of Methanococcus voltae, including a novel N–acetylglucosamine 1–phosphate diether. Ferrante G, et al. **J Biol Chem** 1986 Dec 25;261(36):17062–6

Occurrence of an endogenous inhibitor of platelet–activating factor in rat liver. Miwa M, et al. **J Biol Chem** 1987 Jan 15;262(2):527–30

Isolation of hepatocellular lipid droplets: the separation of distinct subpopulations. Ontko JA, et al. **J Lipid Res** 1986 Oct;27(10):1097–103

Two procedures to remove polar contaminants from a crude brain lipid extract by using prepacked reversed–phase columns. Kyrklund T. **Lipids** 1987 Apr;22(4):274–7

METABOLISM

Intracellular lipids in rabbit ear cartilage during tissue regeneration. Labandeira–Garcia J, et al. **Acta Anat (Basel)** 1986;127(4):249–54

Analysis of membrane fluidity alterations and lipid disorders in type I diabetic children and adolescents. Watala C, et al. **Acta Diabetol Lat** 1987 Apr–Jun;24(2):141–8

Quantitative morphological and histochemical study of the xiphisternal cartilage and its intracellular lipids in the guinea–pig. Guerra–Seijas MJ, et al. **Acta Morphol Hung** 1986;34(3):177–86

Functional morphology of the adrenal cortex in newborns. II. Morphological and biochemical analysis of lipid accumulation. Pajor L, et al. **Acta Morphol Hung** 1986; 34(1–2):39–45

Effect of cadmium on lipid composition of the weanling rat brain. Gulati S, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Aug;59(2):89–93

Inhibition of lipid oxidation by serum and albumin. Robak J, et al. **Acta Physiol Pol** 1986 Mar–Apr;37(2):100–7

The relationship between the respiratory quotient and the energy equivalent of oxygen during simultaneous glucose and lipid oxidation and lipogenesis. Garby L, et al. **Acta Physiol Scand** 1987 Mar;129(3):443–4

Sex steroid hormones and adipose tissue metabolism in ovariectomized and adrenalectomized rats. Rebuffé–Scrive M. **Acta Physiol Scand** 1987 Apr;129(4):471–7

Proteins, nucleic acids and lipids of rat liver and spleen after experimental "chemical splenectomy" induced by intravenous injection of an ethyl palmitate emulsion. Kužela L, et al. **Acta Univ Carol [Med] (Praha)** 1985; 31(5–6):369–78

Significance of covalent binding of chemically reactive metabolites of foreign compounds to proteins and lipids. Gillette JR. **Adv Exp Med Biol** 1986;197:63–82

Clinical syndrome and lipid metabolism in hereditary deficiency of apolipoproteins A–I and C–III, variant 1. Norum RA, et al. **Adv Exp Med Biol** 1986;201:137–49 (0 ref.)

Lipid metabolism and the enterohepatic circulation: the regulatory functions of HMG CoA reductase and cholesterol 7 alpha hydroxylase. Shepherd J, et al. **Adv Exp Med Biol** 1987;210:117–22

Changes in lipid composition of rat heart mitochondria after chronic ethanol administration. Foudin L, et al. **Alcoholism (NY)** 1986 Dec;10(6):606–9

In vitro studies of lipid metabolism in human liver. Angelin B, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):482–7

Changes in Leydig cell activity during the annual testicular cycle of the bat Myotis lucifugus lucifugus: histology and lipid histochemistry. Gustafson AW. **Am J Anat** 1987 Apr; 178(4):312–25

Dietary fiber and lipids. Miettinen TA. **Am J Clin Nutr** 1987 May;45(5 Suppl):1237–42

Effect of biotin deficiency and supplementation on lipid metabolism in rats: saturated fatty acids. Suchy SF, et al. **Am J Clin Nutr** 1986 Oct;44(4):475–80

Lipid composition and lipolytic activities in milk from a patient with homozygous familial hypobetalipoproteinemia. Wang CS, et al. **Am J Clin Nutr** 1987 Apr;45(4):730–6

Familial lipoid adrenal hyperplasia: genetic marker data and an approach to prenatal diagnosis. Frydman M, et al. **Am J Med Genet** 1986 Oct;25(2):319–25

The effect of low–dose oral contraceptives on cardiorespiratory function, coagulation, and lipids in exercising young women: a preliminary report. Notelovitz M, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):591–8

Lipid metabolism in xanthomatous skin of hypercholesterolemic rabbits. Armstrong ML, et al. **Am J Pathol** 1986 Nov;125(2):339–48

Early atherogenesis in the White Carneau pigeon. III. Lipid accumulation in nascent foam cells. Jerome WG, et al. **Am J Pathol** 1987 Aug;128(2):253–64

Hepatic function in rats after spaceflight: effects on lipids, glycogen, and enzymes. Merrill AH Jr, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R222–6

Lipid degeneration in pheochromocytomas mimicking adrenal cortical tumors. Ramsay JA, et al. **Am J Surg Pathol** 1987 Jun;11(6):480–6

Effect of dietary cholesterol and polyunsaturated fats on plasma and liver lipids in guinea pigs. Huang YS, et al. **Ann Nutr Metab** 1987;31(1):18–28

Effect of dietary and infused lactose on rat intestinal lymph lipids. Stone PM, et al. **Ann Nutr Metab** 1987;31(3):170–8

The oxidation of body fuel stores in cancer patients. Hansell DT, et al. **Ann Surg** 1986 Dec;204(6):637–42

Lipid mediators produced through the lipoxygenase pathway. Parker CW. **Annu Rev Immunol** 1987;5:65–84 (108 ref.)

Dietary regulation of gene expression: enzymes involved in carbohydrate and lipid metabolism. Goodridge AG. **Annu Rev Nutr** 1987;7:157–85 (134 ref.)

Lipid accumulation in the major salivary glands of streptozotocin–diabetic rats. Anderson LC, et al. **Arch Oral Biol** 1986;31(7):469–75

VSV binding to lipids from different cell lines. Brief report. Viti D, et al. **Arch Virol** 1987;93(3–4):279–85

Accumulation of cholesteryl ester and lipid droplets in macrophages after uptake of cholesterol–rich necrotic products. Wong H, et al. **Arteriosclerosis** 1987 Mar–Apr; 7(2):185–90

Medroxyprogesterone acetate and lipid metabolic changes. Teichmann AT, et al. **Arzneimittelforschung** 1987 May; 37(5):573–7

Effect of long–term clofibric acid treatment on serum and tissue lipid and cholesterol levels in obese Zucker rats. Cleary MP, et al. **Atherosclerosis** 1987 Jul;66(1–2):107–12

Influence of clofibrate on the plasma lipoprotein pattern and on the lipid content and protein and collagen synthesis in atherosclerotic coronary arteries and abdominal aorta from hypercholesterolemic mini–pigs. Jacobsson L. **Atherosclerosis** 1987 Feb;63(2–3):173–80

Soy fiber improves lipid and carbohydrate metabolism in primary hyperlipidemic subjects. Lo GS, et al. **Atherosclerosis** 1986 Dec;62(3):239–48

Influence of minor plant constituents on porcine hepatic lipid metabolism. Impact on serum lipids. Qureshi AA, et al. **Atherosclerosis** 1987 Apr;64(2–3):109–15

Effect of cyclic AMP on lipid accumulation and metabolism in human atherosclerotic aortic cells. Tertov VV, et al. **Atherosclerosis** 1986 Oct;62(1):55–64

Probucol prevents lipid storage in macrophages. Yamamoto A, et al. **Atherosclerosis** 1986 Dec;62(3):209–17

Substance P induces alterations on cerebral lipids involved in membrane fluidity. Catalán RE, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):232–7

Sex mediated lipid metabolism in human aortic smooth muscle cells. Naseem SM, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):284–91

HDL–induced cardiac prostacyclin synthesis: relative contribution of HDL apoprotein and lipid. Van Sickle WA, et al. **Biochem Biophys Res Commun** 1986 Sep 14; 139(2):416–23

A steryl glycoside fraction from Momordica charantia seeds with an inhibitory action on lipid metabolism in vitro. Ng TB, et al. **Biochem Cell Biol** 1986 Aug;64(8):766–71

Effect of the diabetic environment on the lipid metabolism of Ehrlich ascites cells. Toledo JD, et al. **Biochem Int** 1986 Nov;13(5):885–92

Possible involvement of the lipid–peroxidation product 4–hydroxynonenal in the formation of fluorescent chromolipids. Esterbauer H, et al. **Biochem J** 1986 Oct 15; 239(2):405–9

The role of sterol carrier protein2 and other hepatic lipid–binding proteins in bile–acid biosynthesis. Lidström–Olsson B, et al. **Biochem J** 1986 Sep 15; 238(3):879–84

Lipid alterations in liver and kidney induced by normobaric hyperoxia: correlations with changes in microsomal membrane fluidity. Casals C, et al. **Biochem Med Metab Biol** 1987 Jun;37(3):269–81

Changes of bile lipid composition induced by methylprednisolone. Yarimağan HS, et al. **Biochem Med Metab Biol** 1986 Feb;35(1):7–11

Lipid metabolism in diabetes. Cawthorne MA. **Biochem Soc Trans** 1987 Jun;15(3):343–5

Methods in vitro for investigating the pathogenesis of alcoholic fatty liver disease in man. Peters TJ, et al. **Biochem Soc Trans** 1987 Jun;15(3):374–5

Modulation of thrombin–stimulated lipid responses in cultured fibroblasts. Evidence for two coupling mechanisms. Raben DM, et al. **Biochemistry** 1987 May 19; 26(10):2759–65

Changes in muscle lipid metabolism induced in vitro by 1,25–dihydroxy–vitamin D–3. Drittanti L, et al. **Biochim Biophys Acta** 1987 Mar 13;918(1):83–92

Sialic acid of lung surfactant apoprotein, SP 28–36, is not required for the Ca2+–mediated interactions between surfactant lipids and SP 28–36. Efrati H, et al. **Biochim Biophys Acta** 1987 Feb 23;917(3):425–7

Lipids associated with tissue transglutaminase. Harsfalvi J, et al. **Biochim Biophys Acta** 1987 Jan 20;923(1):42–5

Metabolic changes in lipids of rat plasma and hepatocytes induced by 17 alpha–ethynylestradiol treatment. Hayashi K, et al. **Biochim Biophys Acta** 1986 Nov 14;879(2):140–8

Dynamic fluorescence quenching studies on lipid mobilities in phosphatidylcholine–cholesterol membranes. Merkle H, et al. **Biochim Biophys Acta** 1987 Feb 26;897(2):238–48

Lipolysis products promote the formation of complexes of very–low–density and low–density lipoproteins. Musliner TA, et al. **Biochim Biophys Acta** 1987 Jun 2;919(2):97–110

Importance of endogenous substrates for cultured adult rat cardiac myocytes. Piper HM, et al. **Biochim Biophys Acta** 1986 Oct 1;883(3):531–41

Metabolism of 1–pyrenedecanoic acid and accumulation of neutral fluorescent lipids in cultured fibroblasts of multisystemic lipid storage myopathy. Radom J, et al. **Biochim Biophys Acta** 1987 Jul 31;920(2):131–9

Pathways of arachidonic acid liberation in thrombin and calcium ionophore A23187–stimulated human endothelial cells: respective roles of phospholipids and triacylglycerol and evidence for diacylglycerol generation from phosphatidylcholine. Ragab–Thomas JM, et al. **Biochim Biophys Acta** 1987 Feb 23;917(3):388–97

Regulation of lipogenesis in mitogen–stimulated human lymphocytes by thyroid hormones. Lemmen C, et al. **Biol Chem Hoppe Seyler** 1986 Jul;367(7):533–7

Lipid metabolism in pregnancy. Herrera E, et al. **Biol Neonate** 1987;51(2):70–7 (46 ref.)

Lipoprotein metabolism in pregnancy, fat transport to the fetus, and the effects of diabetes. Knopp RH, et al. **Biol Neonate** 1986;50(6):297–317 (56 ref.)

The effect of vitamin D deficiency on rat bone lipid composition. Boskey AL, et al. **Bone** 1986;7(4):277–81

A role of the heavy subfraction of the floating lipids in acute alcoholic fatty liver of rats. Kidokoro R, et al. **Br J Exp Pathol** 1986 Oct;67(5):719–29

Enhanced lipid peroxidation and lysosomal enzyme activity in the lungs of rats with prolonged pulmonary deposition of crocidolite asbestos. Jajte J, et al. **Br J Ind Med** 1987 Mar;44(3):180–6

Absolute specificity for retrograde fast axonal transport displayed by lipid droplets originating in the axon of an identified Aplysia neuron in vitro. Savage MJ, et al. **Brain Res** 1987 Mar 17;406(1–2):215–23

Effect of chlorpromazine on the synthesis, hydrolysis, and transfer of microsomal cytidine liponucleotides and mitochondrial polyglycerophosphatides. Stuhne–Sekalec L, et al. **Can J Physiol Pharmacol** 1987 Mar;65(3):377–84

The level of dietary protein and carbohydrate has a different effect on intestinal uptake of hexoses and lipids in rabbits with an ileal resection than in those with an intact intestinal tract. Thomson AB. **Can J Physiol Pharmacol** 1987 Feb; 65(2):219–25

Myocardial lipid peroxidation in rats after chronic alcohol ingestion and the effects of different antioxidants. Edes I, et al. **Cardiovasc Res** 1986 Jul;20(7):542–8

Role of lipid peroxidation in post–traumatic spinal cord degeneration: a review. Hall ED, et al. **Cent Nerv Syst Trauma** 1986 Fall;3(4):281–94 (51 ref.)

Are the metabolic characteristics of congenital intraspinal lipoma cells identical to, or different from normal adipocytes? Giudicelli Y, et al. **Childs Nerv Syst** 1986; 2(6):290–6

Lipid metabolic pathways operating in amphibian full–grown oocytes. Alonso TS, et al. **Comp Biochem Physiol [B]** 1987; 86(1):167–71

A correlative lipid and lipolytic study of the pancreas and small intestine of the guinea–pig. Helmy FM, et al. **Comp Biochem Physiol [B]** 1987;86(1):83–7

Lipid biosynthesis and deposition in genetically lean and fat chickens. Comparative in vivo studies with 14C acetate. Legrand P, et al. **Comp Biochem Physiol [B]** 1987; 86(4):791–6

Lipids in the laminated layer of liver, lung and daughter hydatid cysts of equine Echinococcus granulosus (Cestoda). Richards KS, et al. **Comp Biochem Physiol [B]** 1987; 86(1):209–12

Lipid abnormalities in alcoholism. Cramp DG. **Contemp Issues Clin Biochem** 1984;1:149–60 (43 ref.)

Partial correction of lipid disturbances by insulin in experimental renal failure. Roullet JB, et al. **Contrib Nephrol** 1986;50:203–10

Age dependent lipid and protein changes in individual bovine lenses. Li LK, et al. **Curr Eye Res** 1987 Apr;6(4):599–605

Do upper–body and centralized adiposity measure different aspects of regional body–fat distribution? Relationship to non–insulin–dependent diabetes mellitus, lipids, and lipoproteins. Haffner SM, et al. **Diabetes** 1987 Jan; 36(1):43–51

Protein sparing in skeletal muscle during prolonged starvation. Dependence on lipid fuel availability. Lowell BB, et al. **Diabetes** 1987 Jan;36(1):14–9

Altered gallbladder concentration of biliary lipids during early cholesterol gallstone formation. Roslyn JJ, et al. **Dig Dis Sci** 1987 Jun;32(6):609–14

Lipids and fatty acids in membranes from astroglial cells cultured in ethanol–containing media. Alling C, et al. **Drug Alcohol Depend** 1986 Oct;18(2):115–26

Nutritional implications of high–iodine egg diet in rats: effects on lipid metabolism and thyroid function. Katamine S, et al. **Drugs Exp Clin Res** 1987;13(1):1–4

Impact of pesticides on lipid metabolism in the freshwater catfish, Clarias batrachus, during the vitellogenic phase of its annual reproductive cycle. Lal B, et al. **Ecotoxicol Environ Safety** 1987 Feb;13(1):13–23

Effect of growth hormone on carbohydrate and lipid metabolism. Davidson MB. **Endocr Rev** 1987 May; 8(2):115–31 (213 ref.)

Alteration of lipid metabolism associated with the activation of mouse alveolar macrophages induced by 1 alpha, 25–dihydroxyvitamin D3. Miyaura C, et al. **Endocrinology** 1987 May;120(5):1813–20

Chain length and pressure dependence of lipid translational diffusion. Müller HJ, et al. **Eur Biophys J** 1987;14(8):485–91

Metabolism of neutral lipids in cultured fibroblasts from multisystemic (or type 3) lipid storage myopathy. Radom J, et al. **Eur J Biochem** 1987 May 4;164(3):703–8

The effect of cytochrome c oxidase on lipid polymorphism of model membranes containing cardiolipin. Rietveld A, et al. **Eur J Biochem** 1987 Apr 1;164(1):137–40

An electron microscopic study of the interaction in vitro of vimentin intermediate filaments with vesicles prepared from Ehrlich ascites tumor cell lipids. Perides G, et al. **Eur J Cell Biol** 1986 Aug;41(2):313–25

Efficient interaction of nonpolar lipids with intermediate filaments of the vimentin type. Traub P, et al. **Eur J Cell Biol** 1987 Feb;43(1):55–64

Lipid metabolism indices and plasma corticosterone concentration in chickens treated with prolactin at different time points. Sotowska–Brochocka J, et al. **Exp Clin Endocrinol** 1986 Dec;88(3):316–24

Lipids of the retinal pigment epithelium in RCS dystrophic and normal rats. Batey DW, et al. **Exp Eye Res** 1986 Nov; 43(5):751–7

Diphtheria toxin and its mutant crm 197 differ in their interaction with lipids. Papini E, et al. **FEBS Lett** 1987 May 4;215(1):73–8

Leukocyte receptors for lipid and peptide mediators. Goetzl EJ. **Fed Proc** 1987 Jan;46(1):190–1

Analyses on lipid–rich organelles of the rat liver after bile duct ligation. Hayashi H, et al. **Gastroenterol Jpn** 1987 Feb; 22(1):39–43

Effects of somatostatin–25 and urotensin II on lipid and carbohydrate metabolism of coho salmon, Oncorhynchus kisutch. Sheridan MA, et al. **Gen Comp Endocrinol** 1987 Jun;66(3):405–14

Effects of thyroxin, cortisol, growth hormone, and prolactin on lipid metabolism of coho salmon, Oncorhynchus kisutch, during smoltification. Sheridan MA. **Gen Comp Endocrinol** 1986 Nov;64(2):220–38

Cholesterol changes with aging: their nature and significance. Kasim S. **Geriatrics** 1987 Mar;42(3):73–6, 79–82

Difference in the age–related accumulation of lipopigments in the adrenergic and nonadrenergic peripheral neurons in the male rat. Koistinaho J. **Gerontology** 1986;32(6):300–7

Effect of early feed restriction in broilers. II. Lipid metabolism. Rosebrough RW, et al. **Growth** 1986 Summer; 50(2):217–27

The synthesis of proteoglycans in fat–storing cells of rat liver. Schäfer S, et al. **Hepatology** 1987 Jul–Aug;7(4):680–7

Characterization of desmin–positive rat liver sinusoidal cells. Tsutsumi M, et al. **Hepatology** 1987 Mar–Apr;7(2):277–84

Effect of acetaldehyde on hepatic & blood lipids. Prasanna CV, et al. **Indian J Med Res** 1987 Feb;85:206–11

Erythrocytes as a source of essential lipids for Treponema hyodysenteriae. Stanton TB, et al. **Infect Immun** 1987 Feb; 55(2):304–8

Effects of gamma–linolenic acid supplementation on lipogenesis regulation in pregnant zinc–deficient rat and fetus. Dib A, et al. **Int J Biochem** 1986;18(11):1053–6

Dietary fibre and lipid metabolism. Kritchevsky D. **Int J Obes** 1987;11 Suppl 1:33–43 (77 ref.)

The effect of ionizing radiation on lipid metabolism in lymphoid cells. Kolomiytseva IK, et al. **Int J Radiat Biol** 1987 Jan;51(1):53–8

Improved insulin sensitivity in carbohydrate and lipid metabolism after physical training. Sato Y, et al. **Int J Sports Med** 1986 Dec;7(6):307–10

Effect of chronic administration of excess dietary vitamin A and zinc on lipid metabolism in rats. Shankar S, et al. **Int J Vitam Nutr Res** 1986;56(4):329–37

Effect of hydrogenated fat and cholesterol on liver lipids in rats. Sohal PS, et al. **Int J Vitam Nutr Res** 1987;57(1):103

Pathogenesis of experimental lipid keratopathy: corneal and plasma lipids. Reddy C, et al. **Invest Ophthalmol Vis Sci** 1987 Sep;28(9):1492–6

Magnesium and lipids in cardiovascular disease. Rayssiguier Y, et al. **J Am Coll Nutr** 1986;5(6):507–19 (115 ref.)

Effect of corticosterone on rat epididymal lipids. Balasubramanian K, et al. **J Androl** 1987 Mar–Apr; 8(2):69–73

Factors affecting measurements of glucose metabolism and lipolytic rates in porcine adipose tissue slices in vitro. Mersmann HJ, et al. **J Anim Sci** 1987 Jan;64(1):148–64

Macrophage–specific effect on lipid metabolism by an antibiotic, ascofuranone. Magae J, et al. **J Antibiot (Tokyo)** 1987 Feb;40(2):202–8

Studies of synthetic peptide analogs of the amphipathic helix. Effect of charge distribution, hydrophobicity, and secondary structure on lipid association and lecithin:cholesterol acyltransferase activation. Epand RM, et al. **J Biol Chem** 1987 Jul 5;262(19):9389–96

Interplay between lipids and viral glycoproteins during hemolysis and fusion by influenza virus. Huang RT, et al. **J Biol Chem** 1986 Oct 5;261(28):12911–4

Multiple lipid interactions of the Sendai virus fusogenic protein. Moscufo N, et al. **J Biol Chem** 1987 Aug 25; 262(24):11490–6

Transfer of nonglucosylated oligosaccharide from lipid to protein in a mammalian cell. Romero PA, et al. **J Biol Chem** 1986 Dec 5;261(34):15936–40

The major protein from lipid bodies of maize. Characterization and structure based on cDNA cloning. Vance VB, et al. **J Biol Chem** 1987 Aug 15;262(23):11275–9

The covalent modification of eukaryotic proteins with lipid. Sefton BM, et al. **J Cell Biol** 1987 Jun;104(6):1449–53 (57 ref.)

Structural features of the terminal loop region of frog retinal rod outer segment disk membranes: I. Organization of lipid components. Corless JM, et al. **J Comp Neurol** 1987 Mar 1;257(1):1–8

Effect of corticosterone on circulating concentrations of corticosterone, prolactin, thyroid hormones and somatomedin C and on fattening in broilers selected for high or low fat content. Buyse J, et al. **J Endocrinol** 1987 Feb;112(2):229–37

Effects of two organophosphorus insecticides on some biochemical constituents in the nervous system and liver of rabbits. Enan E, et al. **J Environ Sci Health [B]** 1987 Apr;22(2):149–70

Organophosphate dichlorvos induced dose–related differential alterations in lipid levels and lipid peroxidation in various regions of the fish brain and spinal cord. Vadhva P, et al. **J Environ Sci Health [B]** 1986 Oct;21(5):413–24

Lipid metabolism in the chick embryo: some recent ideas. Noble RC. **J Exp Zool** 1987;Suppl:65–73 (36 ref.)

Fat storing cells (FSC) of rat liver synthesize and secrete fibronectin. Comparison with hepatocytes. Ramadori G, et al. **J Hepatol** 1987 Apr;4(2):190–7

Application of nile blue and nile red, two fluorescent probes, for detection of lipid droplets in human skeletal muscle. Bonilla E, et al. **J Histochem Cytochem** 1987 May; 35(5):619–21

Variations in lipids in different layers of porcine epidermis. Cox P, et al. **J Invest Dermatol** 1986 Dec;87(6):741–4

Selective recovery of deranged water–holding properties by stratum corneum lipids. Imokawa G, et al. **J Invest Dermatol** 1986 Dec;87(6):758–61

Evidence that the corneocyte has a chemically bound lipid envelope. Swartzendruber DC, et al. **J Invest Dermatol** 1987 Jun;88(6):709–13

Modification of iron uptake and lipid peroxidation by hypoxia, ascorbic acid, and alpha–tocopherol in iron–loaded rat myocardial cell cultures. Hershko C, et al. **J Lab Clin Med** 1987 Sep;110(3):355–61

Abnormal myocardial lipid composition in an infant with type II glutaric aciduria. Galloway JH, et al. **J Lipid Res** 1987 Mar;28(3):279–84

Biliary lipid secretion in patients with heterozygous familial hypercholesterolemia and combined hyperlipidemia. Influence of bezafibrate and fenofibrate. Leiss O, et al. **J Lipid Res** 1986 Jul;27(7):213–23

A kinetic model of chylomicron core lipid metabolism in rats: the effect of a single meal. Redgrave TG, et al. **J Lipid Res** 1987 May;28(5):473–82

Effect of dietary alpha–linolenate/linoleate balance on brain lipid compositions and learning ability of rats. Yamamoto N, et al. **J Lipid Res** 1987 Feb;28(2):144–51

Carbohydrate, lipid and oxidative metabolism in the sympathetically aneural chick heart. Faith DS, et al. **J Mol Cell Cardiol** 1987 Apr;19(4):349–55

Ontogeny of glucose and lipid metabolism in dorsal root ganglia of chickens. Similarities and contrasts with sympathetic ganglia. Larrabee MG. **J Neurochem** 1987 Aug;49(2):393–8

Effect of bovine growth hormone administration on metabolism of growing Hereford heifers: protein and lipid metabolism and plasma concentrations of metabolites and hormones. Eisemann JH, et al. **J Nutr** 1986 Dec; 116(12):2504–15

Lipoprotein lipases, lipoproteins and tissue lipids in rats fed fish oil or coconut oil. Haug A, et al. **J Nutr** 1987 Jun; 117(6):1011–7

Long–term effects of dietary polychlorinated biphenyl and high level of vitamin E on ascorbic acid and lipid metabolism in rats. Oda H, et al. **J Nutr** 1987 Jul; 117(7):1217–23

Consequences of accelerated gain and growth hormone administration for lipid metabolism in growing beef steers [published erratum appears in J Nutr 1987 Jul;117(7):1342] Peters JP. **J Nutr** 1986 Dec;116(12):2490–503

Dose–dependent lipotropic effect of carnitine in chronic alcoholic rats. Rhew TH, et al. **J Nutr** 1986 Nov; 116(11):2263–9

Effects of dietary fiber, carbohydrate, lipid and protein levels on serum and liver lipids in rats. Stewart JR, et al. **J Nutr** 1987 Apr;117(4):650–9

Protein deficiency alters rat pancreatic lipid composition. Wilson JS, et al. **J Nutr** 1986 Oct;116(10):2055–8

Enhanced lipid utilization in infants receiving oral L–carnitine during long–term parenteral nutrition. Helms RA, et al. **J Pediatr** 1986 Dec;109(6):984–8

Role of stratum corneum lipid fluidity in transdermal drug flux. Golden GM, et al. **J Pharm Sci** 1987 Jan;76(1):25–8

[3H]tryptamine binding to reconstituted fraction of acidic lipids. Karasawa A, et al. **J Pharmacobiodyn** 1987 Feb; 10(2):78–84

Changes in biliary lipid concentrations in bile duct obstruction: an experimental study. Xu GR, et al. **J R Soc Med** 1986 Sep;79(9):522–7

Assessment of sheep blastocyst effects on neutral lipids in the uterine caruncular epithelium. Boshier DP, et al. **J Reprod Fertil** 1987 Mar;79(2):569–73

Oral contraceptives: minimizing metabolic risk. Proceedings of a symposium. February 14–16, 1986, Key Biscayne, Florida. **J Reprod Med** 1986 Sep;31(9 Suppl):839–945

The effect of a progestin–only oral contraceptive on biliary lipid composition in the cat. Snowball S, et al. **J Steroid Biochem** 1986 Dec;25(6):1007–11

Effects of 2–fluoroestradiol on lipid metabolism in the ovariectomized rat. Valette A, et al. **J Steroid Biochem** 1986 Oct;25(4):575–8

Low–dose aspirin protects against lipid accumulation in primate vein bypass grafts. Boerboom LE, et al. **J Thorac Cardiovasc Surg** 1987 Aug;94(2):251–5

Fat kinetics and recommended dietary intake in burns. Gottschlich MM, et al. **JPEN J Parenter Enteral Nutr** 1987 Jan–Feb;11(1):80–5 (96 ref.)

Stoichiometric analyses of glucose and lipid metabolism [letter] Kassum D, et al. **JPEN J Parenter Enteral Nutr** 1987 Jul–Aug;11(4):430–1

Cerebral lipid and protein abnormalities in Menkes'

steely-hair disease. Hara A, et al. **Jpn J Exp Med** 1986 Dec;56(6):277–84

An adult case of adrenoleukodystrophy with features of olivo-ponto-cerebellar atrophy: II. Lipid biochemical studies. Taketomi T, et al. **Jpn J Exp Med** 1987 Feb; 57(1):59–70

Lipid deposition in the aorta of adjuvant arthritic rats with hypercholesterolemia. Kunitomo M, et al. **Jpn J Pharmacol** 1986 Oct;42(2):261–7

GABA interaction with lipids in organic medium. Beltramo D, et al. **Life Sci** 1987 Aug 10;41(6):733–9

Effect of dietary lipids on the lipid composition and phospholipid deacylating enzyme activities of rat heart. Leonardi J, et al. **Lipids** 1987 Jul;22(7):517–22

Hypolipidemic activity of 3- and 4-phenyl-piperidine-2,6-diones and selected N-substituted derivatives. Murthy AR, et al. **Lipids** 1986 Oct; 21(10):617–22

Changes in lipids in liver and serum of rats fed a histidine-excess diet or cholesterol-supplemented diets. Ohmura E, et al. **Lipids** 1986 Dec;21(12):748–53

Effect of high ambient temperature on the lipids and on the activity of enzymes of rat liver microsomes. Suliński A, et al. **Med Pr** 1986;37(3):151–7

Effects of synacthen on lipid metabolism in the perfused epididymal fat pad of the rat. Baggen MG, et al. **Metabolism** 1987 Jun;36(6):544–7

The effect of short-term alpha-glucosidase inhibition on carbohydrate and lipid metabolism in type II (noninsulin-dependent) diabetics. Baron AD, et al. **Metabolism** 1987 May;36(5):409–15

Contribution of intra-abdominal fat accumulation to the impairment of glucose and lipid metabolism in human obesity. Fujioka S, et al. **Metabolism** 1987 Jan;36(1):54–9

Importance of substrate competition in the mechanism of insulin resistance in man. Vouillamoz D, et al. **Metabolism** 1987 Aug;36(8):715–20

Cellular regulators. Part B. Calcium and lipids. **Methods Enzymol** 1987;141:1–511

Measurement of lipid turnover in response to thyrotropin-releasing hormone. Imai A, et al. **Methods Enzymol** 1987;141:100–1

Lipid metabolism in endotoxic rats: decrease in hepatic triglyceride lipase activity. Kawakami M, et al. **Microbiol Immunol** 1986;30(9):849–54

Lipid alterations induced by nifurtimox in Trypanosoma cruzi. Barreto-Bergter E, et al. **Mol Biochem Parasitol** 1986 Dec;21(3):221–6

Lipid disorders in diabetes mellitus. Kern PA. **Mt Sinai J Med (NY)** 1987 Mar;54(3):245–52 (49 ref.)

The effect of L-carnitine on lipid metabolism in patients on chronic haemodialysis. Yderstraede KB, et al. **Nephrol Dial Transplant** 1987;1(4):238–41

Dietary effects on diurnal variation in lipogenesis. **Nutr Rev** 1987 May;45(5):157–8

Early feeding of a high-cholesterol diet enhances intestinal permeability to lipids in rabbits. Thomson AB, et al. **Pediatr Res** 1987 Apr;21(4):347–51

Malathion induced alterations in the lipid profile and the rate of lipid peroxidation in rat brain and spinal cord. Haque N, et al. **Pharmacol Toxicol** 1987 Jul;61(1):12–5

Effects of Japanese and Chinese traditional medicine "hachimi-gan" ("ba-wei-wan") on lipid metabolism in rats fed high sugar diet. Kimura Y, et al. **Planta Med** 1987 Apr; 53(2):128–31

Effects of pantethine supplementation to diets with different energy cereals on hepatic lipogenesis of laying hens. Hsu JC, et al. **Poult Sci** 1987 Feb;66(2):280–8

Influence of diet composition on hepatic lipid deposition in two lines of Australorps selected for liver fat differences. Jensen LS. **Poult Sci** 1987 Apr;66(4):700–4

Tissue lipid fatty acid composition of biotin-adequate and biotin-deficient chicks. Watkins BA, et al. **Poult Sci** 1987 Feb;66(2):306–13

Dietary fats and lipids of adipose tissue and cell membranes in carcinogenesis. Insull W Jr. **Prev Med** 1987 Jul; 16(4):481–4 (15 ref.)

Interferons and tumor necrosis factors have similar catabolic effects on 3T3 L1 cells. Patton JS, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8313–7

Lateral diffusion of lipids in membranes by pulse saturation recovery electron spin resonance. Yin JJ, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):964–8

Effects of moderate riboflavin deficiency on lipid metabolism in rats. Liao F, et al. **Proc Natl Sci Counc Repub China [B]** 1987 Apr; 11(2):128–32

Fat, lipotropes, hypolipidemic agents and liver cancer. Shinozuka H, et al. **Prog Clin Biol Res** 1986;222:461–86 (150 ref.)

Insect lipids and lipoproteins, and their role in physiological processes. Beenakkers AM, et al. **Prog Lipid Res** 1985; 24(1):19–67 (370 ref.)

Lipids of nervous tissue: composition and metabolism. Sastry PS. **Prog Lipid Res** 1985;24(2):69–176 (1322 ref.)

Salivary lipids in health and disease. Slomiany BL, et al. **Prog Lipid Res** 1985;24(4):311–24 (97 ref.)

Contribution to the role of lipids in the bone marrow of irradiated rats. Sedlakova A, et al. **Radiobiol Radiother (Berl)** 1986;27(6):777–82

Defined formula diets alter jejunal and colonic uptake of lipids in rabbits with intact intestinal tract and following ileal resection. Thomson AB. **Res Exp Med (Berl)** 1986; 186(6):413–26

The Xenopus oocyte—a model system for lipid-mediated activation of neurotransmitter receptors. Oron Y, et al. **Rev Clin Basic Pharm** 1985;5 Suppl:15S–24S (15 ref.)

The role of fat and bile acid malabsorption in diarrhoea of coeliac disease. Vuoristo M, et al. **Scand J Gastroenterol** 1987 Apr;22(3):289–94

Influence of increased fibre intake on biliary lipids. Wechsler JG, et al. **Scand J Gastroenterol [Suppl]** 1987;129:185–91

Synovial fluid lipid abnormalities in various disease states: review and classification. Wise CM, et al. **Semin Arthritis Rheum** 1987 Feb;16(3):222–30 (47 ref.)

Lipid metabolism, cerebral metabolic rate, and some related enzyme activities after brain infarction in rats. Bralet J, et al. **Stroke** 1987 Mar-Apr;18(2):418–25

Fat metabolism and cancer. McAndrew PF. **Surg Clin North Am** 1986 Oct;66(5):1003–12 (58 ref.)

Effect of acute sublethal and chronic administration of DDT (chlorophenotane) on brain lipid metabolism of rhesus monkeys. Sanyal S, et al. **Toxicol Lett** 1986 Nov;34(1):47–54

Conversion of the antihypertensive neutral renomedullary lipid by the liver. Muirhead EE, et al. **Trans Assoc Am Physicians** 1985;98:269–74

Changes in lipids and free fatty acid fractions in adult Haemonchus contortus during incubation in vitro. Kapur J, et al. **Vet Parasitol** 1987 Jan;23(1-2):95–103

Glomerular sclerotic lesions in the rat. Histochemical analysis of their macromolecular and cellular composition. Grond J, et al. **Virchows Arch [B]** 1986;51(6):521–34

Fatty degeneration in cultured hepatocytes. A new experimental model. Vajta G, et al. **Virchows Arch [B]** 1986; 52(2):177–84

Lipid composition of ear wax in hircismus. Inaba M, et al. **Yonsei Med J** 1987;28(1):49–51

Effect of carbon and nitrogen sources on the chemical composition of lipids of Rhizopus delemar. Tahoun MK, et al. **Z Ernahrungswiss** 1986 Dec;25(4):228–32

The structure and intracellular lipid content of semilunar cartilages in rabbits and guinea-pigs. Guerra-Seijas MJ, et al. **Z Mikrosk Anat Forsch** 1986;100(5):729–38

[Clearance of fat emulsions and dual energy source in total parenteral nutrition support in post trauma/sepsis patients] Jiang ZM, et al. **Chung Hua Wai Ko Tsa Chih** 1987 Feb; 25(2):110–3, 127 (Eng. Abstr.) **(Chi)**

[Interference with lipid metabolism by various antihypertensive agents: facts and hypotheses] Rouffy J. **Arch Mal Coeur** 1987 Apr;80 Spec No:43–6 (Eng. Abstr.) **(Fre)**

[Giardia intestinalis: comparative study of lipid and nitrogen fecal excretions in adults and children with parasites] Chochillon C, et al. **Pathol Biol (Paris)** 1986 Sep; 34(7):830–4 (Eng. Abstr.) **(Fre)**

[Bibliographic review: quantitative variations and metabolism of lipids in adipose tissue and liver during the gestation-lactation cycle. 2: In the ewe and the cow] Chilliard Y. **Reprod Nutr Dev** 1987;27(2A):327–98 (634 ref.) (Eng. Abstr.) **(Fre)**

[Bibliographic review: Quantitative variations and metabolism of lipids in adipose tissue and the liver during the gestation-lactation cycle. 1. In the rat] Chilliard Y. **Reprod Nutr Dev** 1986;26(5A):1057–103 (327 ref.) (Eng. Abstr.) **(Fre)**

[Use of solid fat in dry mixed feed for rainbow trout (Salmo gairdneri). 2. Fatty-acid composition of feed and tissue lipids] Csengeri I, et al. **Arch Tierernahr** 1986 Jul; 36(7):653–63 (Eng. Abstr.) **(Ger)**

[Thin layer chromatographic analysis of the lipoid content of smokers' cells] Reiter C. **Beitr Gerichtl Med** 1986; 44:579–603 (Eng. Abstr.) **(Ger)**

[Parenteral nutrition with special reference to the fat supply. Symposium. Stockholm, 13-14 October 1984] **Beitr Infusionsther Klin Ernahr** 1986;13:1–210 **(Ger)**

[Changes of certain parameters of fat metabolism in dairy cows during the peripartum period] Karsai F, et al. **DTW** 1987 May 7;94(5):264–8 (Eng. Abstr.) **(Ger)**

[Disorders of fat metabolism and atherosclerosis—prevention and therapeutic measures] **Fortschr Med** 1987;105 Suppl 23:1–15 **(Ger)**

[Significance of an angiogenic factor (in omental lipid) for the vascularization of the cornea] Rossa V, et al. **Klin Monatsbl Augenheilkd** 1987 Jun;190(6):501–4 (Eng. Abstr.) **(Ger)**

[Protein metabolism and lipid balance in dietary treatment of acute enteritis in infants with a defined standardized oligopeptide diet] Heine W, et al. **Monatsschr Kinderheilkd** 1987 Feb;135(2):99–102 (Eng. Abstr.) **(Ger)**

[Modification of the surface film of the skin by skin cleansing and skin care] Würbach G. **Z Arztl Fortbild (Jena)** 1987; 81(2):65–8 **(Ger)**

[Morphology and function of Ito cells of the liver] Körner T, et al. **Z Gesamte Inn Med** 1987 Jul 1;42(13):349–54 (50 ref.) (Eng. Abstr.) **(Ger)**

[Periventricular fatty metamorphosis in neuroglia—a morphologic substrate in SIDS] Missliwetz J, et al. **Z Rechtsmed** 1986;96(3):173–82 (Eng. Abstr.) **(Ger)**

[Medium-term effects of human biosynthetic insulin on platelet function and gluco-lipidic metabolism] Carleo R, et al. **Boll Soc Ital Biol Sper** 1986 Dec 30;62(12):1433–40 (Eng. Abstr.) **(Ita)**

[Anti-oxidative mechanism of coenzyme Q incorporated in liposomes] Landi L, et al. **Cardiologia** 1986 Jul;31(7):493–6 (Eng. Abstr.) **(Ita)**

[Lipid metabolism in subjects with psoriasis. Preliminary data] Barba A, et al. **G Ital Dermatol Venereol** 1987 Mar; 122(3):85–9 (Eng. Abstr.) **(Ita)**

[Lipid lipoperoxidation and atherosclerosis] Greco AV, et al. **Minerva Med** 1987 Aug 15;78(15):1139–45 (Eng. Abstr.) **(Ita)**

[Discoloration of maxillofacial silicone rubber due to lipid absorption and oxidation] Yanagisawa H. **Kokubyo Gakkai Zasshi** 1987 Mar;54(1):190–207 (Eng. Abstr.) **(Jpn)**

[Lipid metabolism in experimental acute pancreatitis] Tanaka H. **Nippon Geka Gakkai Zasshi** 1987 Apr;88(4):469–77 (Eng. Abstr.) **(Jpn)**

[Lipid metabolism in daunomycin induced nephrotic rats (Part III)] Gomikawa S, et al. **Nippon Jinzo Gakkai Shi** 1987 Feb;29(2):243–9 (Eng. Abstr.) **(Jpn)**

[Ductal and vascular factors in the etiology of experimentally induced pancreatic fibrosis and fat replacement in dogs] Maeda H. **Nippon Shokakibyo Gakkai Zasshi** 1986 Dec; 83(12):2580–7 (Eng. Abstr.) **(Jpn)**

[A case of kwashiorkor-like syndrome—research in lipid metabolism] Tokumo H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov;83(11):2435–9 **(Jpn)**

[Abnormality of lipid metabolism in patients on continuous ambulatory peritoneal dialysis (CAPD)] Saito E, et al. **Rinsho Byori** 1986 Sep;34(9):1083–7 **(Jpn)**

[Evaluation of the effect of lipid metabolism disorders on circulatory hemodynamics and the elasticity of the vascular wall in children with simple obesity. II] Pedziński W, et al. **Kardiol Pol** 1986;29(8):543–50 (Eng. Abstr.) **(Pol)**

[Mechanisms of lipid binding by the arterial wall in arteriosclerosis] Kopieczna-Grzebieniak E, et al. **Pol Tyg Lek** 1986 Dec 15;41(50):1598–600 (22 ref.) **(Pol)**

[Effect of male sex hormones on lipid parameters and platelet activity] Sneer A, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr-Jun;90(2):333–41 (Eng. Abstr.) **(Rum)**

[Structural-functional role of the fatty acid component of bacterial lipids and related aspects of bacterial sensitivity and resistance to antibiotics] Smirnov VV, et al. **Antibiot Med Biotekhnol** 1987 May;32(5):365–71 (127 ref.) **(Rus)**

[Oil and fat metabolism and the biosynthesis of penicillin] Tikhonova OV, et al. **Antibiot Med Biotekhnol** 1986 Jul; 31(7):514–9 (Eng. Abstr.) **(Rus)**

[Changes in the lipid-accumulating cells of the liver during experimental hypervitaminosis A] Vishnevskaia EK. **Arkh Anat Gistol Embriol** 1987 Feb;92(2):67–71 (Eng. Abstr.) **(Rus)**

[Effect of antioxidants on the psoralen photo-oxidation process] Potapenko AIa, et al. **Biofizika** 1986 Jul-Aug; 31(4):549–54 (Eng. Abstr.) **(Rus)**

[Effect of the lipid composition of liposomes on their clearance from the circulation and accumulation in the liver of mice] Burkhanov SA, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):299–301 (Eng. Abstr.) **(Rus)**

[Effect of the carcinogenic metabolites of aromatic amino acids on oxidative processes in lipids in vitro and in vivo] Levchuk AA, et al. **Biull Eksp Biol Med** 1987 Jul; 104(7):77–9 (Eng. Abstr.) **(Rus)**

[Characteristics of the early recovery period and the level of carbohydrate-lipid metabolic substrates after 24-hour immobilization hypothermia] Prokop'eva LP, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):697–9 (Eng. Abstr.) **(Rus)**

[The chemical nature of the fluorescing products accumulating in the lipids of the crystalline lenses of mice with hereditary cataract] Shvedova AA, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):301–4 (Eng. Abstr.) **(Rus)**

[Effect of hydrocortisone on lipid metabolism in the plasma membranes of hepatocytes] Sukhova TA, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):436–7 (Eng. Abstr.) **(Rus)**

[The effect of hepatoprotectors on lipid metabolism in CCl4-hepatitis] Vengerovskiĭ AI, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):430–2 (Eng. Abstr.) **(Rus)**

[Activity of key enzymes of cholesterol biotransformation and lipid content in the liver, aorta, adrenals and blood of rats exposed to chloroquine] Dushkin MI, et al. **Farmakol Toksikol** 1986 Jul-Aug;49(4):67–70 (Eng. Abstr.) **(Rus)**

[Effect of occupational activity on the level of lipid metabolism in young automobile drivers] Valsman AI, et al. **Gig Tr Prof Zabol** 1987 Feb;(2):12–6 (Eng. Abstr.) **(Rus)**

[Beta-adrenoblockaders and lipid metabolism] Tokar' AV, et al. **Kardiologiia** 1986 Jul;26(7):116–21 (105 ref.) **(Rus)**

[Changes in the indices of lipid metabolism in patients with chronic kidney insufficiency on programmed hemodialysis] Savchenko RP, et al. **Lab Delo** 1986;(12):717–9 (Eng. Abstr.) **(Rus)**

[Whole-body radiometric study of protein and lipid metabolism in thyroid pathology] Gorobets VF, et al. **Med Radiol (Mosk)** 1987 Apr;32(4):37–42 (Eng. Abstr.) **(Rus)**

[Fatty conversion of mouse fibroblasts of the L-929 line

induced by cysticerci of the cat tapeworm] Adoeva Ela. **Tsitologiia** 1987 Apr;29(4):472–7 (Eng. Abstr.) **(Rus)**

[Canalicular system of enterocytes at rest and its changes during lipid absorption] Mosevich TN, et al. **Tsitologiia** 1987 Jan;29(1):22–7 (Eng. Abstr.) **(Rus)**

[Effect of an alternating magnetic field of industrial frequency on the lipid composition of the rat liver] Chernysheva ON. **Ukr Biokhim Zh** 1987 May–Jun;59(3):91–4 (Eng. Abstr.) **(Rus)**

[Effect of thiochrome capronate on lipid metabolism in rats] Larin FS, et al. **Ukr Biokhim Zh** 1986 Sep–Oct;58(5):89–91 (Eng. Abstr.) **(Rus)**

[Relation between the clinical course of Duhring's herpetiform dermatitis and the degree of free–radical lipid oxidation] Mirzoev IuA, et al. **Vestn Dermatol Venerol** 1986;(9):19–22 (Eng. Abstr.) **(Rus)**

[Fatty acid composition of liver lipids in chronic hepatitis, liver cirrhosis and fatty liver] Mokhov VM, et al. **Vopr Med Khim** 1987 May–Jun;33(3):38–42 (Eng. Abstr.) **(Rus)**

[Effect of a carbohydrate–free diet on changes in lipid and proteins levels in rat tissues] Virovets OA, et al. **Vopr Pitan** 1986 Sep–Oct;(5):41–5 (Eng. Abstr.) **(Rus)**

[Artificial saccharose substitutes in diseases with disordered carbohydrate and lipid metabolism] Germaniuk IaL. **Vrach Delo** 1986 Aug;(8):63–7 (39 ref.) **(Rus)**

[The comparative study of nerve tissue lipids in the works of Academician E. M. Kreps] Avrova NF. **Zh Evol Biokhim Fiziol** 1986 Jul–Aug;22(4):333–42 **(Rus)**

[Possible participation of lipids in information gathering and the amplification of biological signals] Bergel'son LD. **Zh Evol Biokhim Fiziol** 1986 Jul–Aug;22(4):357–60 **(Rus)**

[Biochemistry of the cyclic evolution of Triatoma infestans (Vinchuca). III. Dynamics of the incorporation of fatty acids in lipids] Tierno MA, et al. **Acta Physiol Lat Am** 1980;30(4):305–8 (Eng. Abstr.) **(Spa)**

[Toxicological effects induced by the chronic intake of brominated vegetable oils] Bernal C, et al. **Arch Latinoam Nutr** 1986 Sep;36(3):432–42 (Eng. Abstr.) **(Spa)**

[Metabolism of the adipose tissue in experimental hyperthyroidism and in humans] Llamas R. **Gac Med Mex** 1986 Nov–Dec;122(11–12):273–7 **(Spa)**

[Prevalence of metabolic changes in patients with the toxic oil ingestion syndrome (letter)] Ramis Pedromingo M, et al. **Rev Clin Esp** 1986 Jul;179(3):160–1 **(Spa)**

PHARMACODYNAMICS

Platelet aggregability in rats with early atherosclerotic changes induced by parenterally–administered lipid emulsions. Saladino CF, et al. **Atherosclerosis** 1987 Jul; 66(1–2):19–28

In vitro inhibition of rat brain protein kinase C by rhodamine 6G. Profound effects of the lipid cofactor on the inhibition of the enzyme. O'Brian CA, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1231–5

Studies on the pathogenesis of actinomycotic mycetoma in animals injected with fractions isolated from Nocardia brasiliensis. Ekizlerian SM, et al. **Br J Exp Pathol** 1987 Feb;68(1):115–23

Activation of mouse peritoneal macrophages by lysophospholipids and ether derivatives of neutral lipids and phospholipids. Yamamoto N, et al. **Cancer Res** 1987 Apr 15;47(8):2008–13

A study of lipid effects on the digoxin immunoassay and on the binding to and activity of Na+/K+–ATPase. Young A, et al. **Clin Biochem** 1986 Aug;19(4):195–200

Duodenal and ileal lipid suppresses postprandial blood glucose and insulin responses in man: possible implications for the dietary management of diabetes mellitus. Welch IM, et al. **Clin Sci** 1987 Feb;72(2):209–16

Influence of bile salts and lipids on intestinal absorption of griseofulvin in man. Palma R, et al. **Eur J Clin Pharmacol** 1986;31(3):319–25

Effect of rat surfactant lipids on complement and Fc receptors of macrophages. Coonrod JD, et al. **Infect Immun** 1986 Nov;54(2):371–8

Effects of ethanol, heat, and lipid treatment of soybean meal on nitrogen utilization by ruminants. Lynch GL, et al. **J Dairy Sci** 1987 Jan;70(1):91–7

Mouse toxicity induced by lipids and cell walls isolated from actinomycetes. Ekizlerian SM, et al. **J Gen Microbiol** 1986 Sep;132 (Pt 9):2647–51

Lipid requirement for mu opioid receptor binding. Hasegawa J, et al. **J Neurochem** 1987 Oct;49(4):1007–12

Lipid vehicles for intestinal lymphatic drug absorption. Cheema M, et al. **J Pharm Pharmacol** 1987 Jan;39(1):55–6

Intestinal cholesterol and oleic acid uptake from solutions supersaturated with lipids. Reynier MO, et al. **Lipids** 1987 Jan;22(1):28–32

Effects of lipids on gap junctionally–mediated intercellular communication: possible role in the promotion of tumorigenesis by dietary fat. Aylsworth CF. **Prog Clin Biol Res** 1986;222:607–22 (50 ref.)

[Varying rates of phagocytosis of human blood monocytes and breast milk macrophages: effect of intralipid and milk fat globules] Schroten H, et al. **Monatsschr Kinderheilkd** 1987 Jan;135(1):36–40 (Eng. Abstr.) **(Ger)**

[Effect of lipid fractions isolated from Listeria monocytogenes on RNA and protein biosynthesis in the liver and spleen of rats] Paszkiewicz–Gadek A, et al. **Acta Pol Pharm** 1986;43(3):283–8 (Eng. Abstr.) **(Pol)**

[Biological activity of a polar lipid of Clostridium butyricum spores] Gaenko GP, et al. **Mikrobiologiia** 1986 Sep–Oct; 55(5):804–7 (Eng. Abstr.) **(Rus)**

[Interaction of epithelial cells with the edges of fluid and solid lipid films] Gordeeva LV, et al. **Tsitologiia** 1986 Jul; 28(7):699–702 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Lipid mediators in the normal and abnormal pulmonary circulation. Reports from the Second Grover Conference. Deckers, Colorado, September 15–18, 1986. **Am Rev Respir Dis** 1987 Jul;136(1):195–224

Lipid mediators in the normal and abnormal pulmonary circulation. Reports from the Second Grover Conference, Deckers, Colorado. September 15–18, 1986. 2. **Am Rev Respir Dis** 1987 Aug;136(2):455–91

Lipid mediators in the normal and abnormal pulmonary circulation. Reports from the Second Grover Conference. Deckers, Colorado, September 15–18, 1986. 3. **Am Rev Respir Dis** 1987 Sep;136(3):762–88

Various roles of lipids and lipid metabolizing enzymes in inflammatory processes and their possible implications for therapy. Parker CW. **Am Rev Respir Dis** 1987 Jun;135(6 Pt 2):S22–5

Lipid mediators, neutrophils, and endothelial injury. Worthen GS. **Am Rev Respir Dis** 1987 Aug;136(2):455–8

Meibomian glands and lipids of the precorneal film in Eskimos. Norn M. **Arctic Med Res** 1986;44:53–5

Lipid biodynamics: new perspectives. Hauton JC, et al. **Biochimie** 1987 Mar;69(3):177–204 (66 ref.)

The hypotensive effect of captopril is not mediated by renal medullary lipids. Saeki S, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):395–9

Function of the liver and hepatic lipids of the lesser sand shark, Rhinobatos annulatus (Müller & Henle). Rossouw GJ. **Comp Biochem Physiol [B]** 1987;86(4):785–90

The extracellular matrix of stratum corneum: role of lipids in normal and pathological function. Williams ML, et al. **Crit Rev Ther Drug Carrier Syst** 1987;3(2):95–122 (99 ref.)

Differences in diazepam pharmacokinetics in Chinese and white Caucasians––relation to body lipid stores. Kumana CR, et al. **Eur J Clin Pharmacol** 1987;32(2):211–5

Experimental evidence for the role of lipids in adherence of Candida spp. to human buccal epithelial cells. Ghannoum MA, et al. **Infect Immun** 1986 Oct;54(1):189–93

Role of lipids in bone marrow–induced pulmonary edema. Selig WM, et al. **J Appl Physiol** 1987 Mar;62(3):1068–75

Vagal receptors sensitive to lipids in the small intestine of the cat. Mélone J. **J Auton Nerv Syst** 1986 Nov; 17(3):231–41

Generation of, lipid neutrophil chemoattractant activity by histamine–stimulated cultured endothelial cells. Farber HW, et al. **J Immunol** 1986 Nov 1;137(9):2918–24

Alterations in lipid fluidity induced by cholesterol and cholesterol hemisuccinate modulate the organization of microtubule skeletons in epithelial cells. Sauk JJ, et al. **J Oral Pathol** 1987 Feb;16(2):69–74

The role of fractions from Paracoccidioides brasiliensis in the genesis of inflammatory response. Alves LM, et al. **Mycopathologia** 1987 Jan;97(1):3–7

[Fatty acid analysis of tissue in liporegulation] Caponnetto A, et al. **Boll Soc Ital Biol Sper** 1986 Nov 30;62(11):1373–80 (Eng. Abstr.) **(Ita)**

[Biochemical aspects of regional irregularity in lung functions] Khasina MA, et al. **Fiziol Zh** 1987 May–Jun; 33(3):81–5 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Effect of growth temperature on lipid composition and ultraviolet sensitivity of human cells. McAleer MA, et al. **Photochem Photobiol** 1987 Jul;46(1):31–7

[Effect of melanin on the free–radical states of gamma–irradiated proteins and lipids] Iusifov EIu, et al. **Radiobiologiia** 1987 Jan–Feb;27(1):8–11 (Eng. Abstr.) **(Rus)**

[Liver microsomal lipids of mice irradiated and administered an extract of turtle spleen] Ivanov VI, et al. **Radiobiologiia** 1987 Mar–Apr;27(2):257–64 (Eng. Abstr.) **(Rus)**

SECRETION

Biliary lipid secretion in the regenerating liver of the rat. Pérez–Barriocanal F, et al. **Br J Exp Pathol** 1987 Feb; 68(1):1–6

Secretion of lipids, apolipoproteins, and lipoproteins by human hepatoma cell line, HepG2: effects of oleic acid and insulin. Dashti N, et al. **J Lipid Res** 1987 Apr; 28(4):423–36 (83 ref.)

Bile lipid secretion in isolated perfused rat liver. A model for metabolic studies. Henry JC, et al. **Lipids** 1987 Jan; 22(1):1–5

[Desmin filaments in cultured Ito cells] Yokoi Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jun;83(6):1230 **(Jpn)**

THERAPEUTIC USE

[Therapeutic effect of lipids from the Far Eastern sardine (Sardinops sagax melanostica) in experimental hypercholesterolemia in rats] Ivanova IL, et al. **Vopr Pitan** 1986 Jul–Aug;(4):48–50 (Eng. Abstr.) **(Rus)**

TOXICITY

The role of myelin lipids in experimental allergic encephalomyelitis. III. Transfer of suppression from guinea pigs recovering from EAE, induced by myelin basic protein––galactocerebroside complexes. Hosein ZZ, et al. **Cell Immunol** 1986 Apr 15;99(1):265–78

URINE

[Lipids in the urine after extracorporeal shockwave lithotripsy] Thomas J, et al. **Ann Urol (Paris)** 1986; 20(5):349–52 (Eng. Abstr.) **(Fre)**

LIPIODOL see under **IODIZED OILS**

LIPOAMIDE DEHYDROGENASE

ANALYSIS

Rat liver mitochondria contain two immunologically distinct dihydrolipoamide dehydrogenases. Carothers DJ, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):597–605

ANTAGONISTS & INHIBITORS

The inhibitory effects of some iodonium compounds on the superoxide generating system of neutrophils and their failure to inhibit diaphorase activity. Cross AR. **Biochem Pharmacol** 1987 Feb 15;36(4):489–93

DEFICIENCY

Dihydrolipoyl dehydrogenase deficiency: a therapeutic trial with branched–chain amino acid restriction. Sakaguchi Y, et al. **Eur J Pediatr** 1986 Sep;145(4):271–4

A decrease in glycine cleavage activity in the liver of a patient with dihydrolipoyl dehydrogenase deficiency. Yoshino M, et al. **J Inherited Metab Dis** 1986;9(4):399–400

GENETICS

DIA3 phenotyping in human semen and seminal stains by isoelectric focusing. Kido A, et al. **Z Rechtsmed** 1987; 98(3):207–12

ISOLATION & PURIFICATION

Catalytic and immunochemical properties of purified human liver lipoamide dehydrogenase. Ono K, et al. **Fukushima J Med Sci** 1986 Jun;32(1):57–66

METABOLISM

Nitroreductase activity of heart lipoamide dehydrogenase. Tsai CS. **Biochem J** 1987 Mar 1;242(2):447–52

A histochemical characterization of muscle fiber types in the avian M. stapedius. Counter SA, et al. **Comp Biochem Physiol [A]** 1987;86(1):185–7

Flavin binding site differences between lipoamide dehydrogenase and glutathione reductase as revealed by static and time–resolved flavin fluorescence. de Kok A, et al. **FEBS Lett** 1987 Jun 22;218(1):135–8

[Effect of cold storage and freezing of bovine and porcine liver on activity and subcellular distribution of mitochondrial enzymes] Gottesmann P, et al. **Z Lebensm Unters Forsch** 1987 Apr;184(4):294–9 (Eng. Abstr.) **(Ger)**

[Characteristics of the interaction of adrenal lipoamide dehydrogenase with physiological and quinone electron acceptors] Chenas NK, et al. **Ukr Biokhim Zh** 1987 Mar–Apr;59(2):44–9 (Eng. Abstr.) **(Rus)**

LIPOCHONDRODYSTROPHY

COMPLICATIONS

Upper airway obstruction in Hunter syndrome. Brama I, et al. **Int J Pediatr Otorhinolaryngol** 1986 Sep;11(3):229–35

DIAGNOSIS

Hunter's syndrome: a study in airway obstruction. Sasaki CT, et al. **Laryngoscope** 1987 Mar;97(3 Pt 1):280–5

ENZYMOLOGY

Hunter syndrome: presence of material cross–reacting with antibodies against iduronate sulfatase. Daniele A, et al. **Hum Genet** 1987 Mar;75(3):234–8

FAMILIAL & GENETIC

A further contribution to the knowledge of mucopolysaccharidosis I H/S compound. Presentation of two cases and review of the literature. Colavita N, et al. **Australas Radiol** 1986 May;30(2):142–9

Full expression of Hunter's disease in a female with an X–chromosome deletion leading to non–random inactivation. Broadhead DM, et al. **Clin Genet** 1986 Nov; 30(5):392–8

Localisation of the gene for Hunter syndrome on the long arm of X chromosome. Upadhyaya M, et al. **Hum Genet** 1986 Dec;74(4):391–8

Wrongful life decision in Israel. Civil appeal 518/82, 540/82.

Levi J. **Med Law** 1987;6(4):373–4

METABOLISM

Volume of distribution of phenytoin not altered in storage disease [letter] Goldstein DA, et al. **Arch Neurol** 1987 Jun; 44(6):577–8

PATHOLOGY

Normal excretion of urinary acid mucopolysaccharides in a boy with iduronate sulphatase deficiency, Hunter phenotype and alpha 1-antitrypsin deficiency. Nielsen JB, et al. **Eur J Pediatr** 1986 Dec;145(6):572–5

Neuropathological and clinical correlations in Hurler disease. Watts RW, et al. **J Inherited Metab Dis** 1986;9(3):261–72

A child with Hurler syndrome. Wantania JM. **Paediatr Indones** 1987 Jan–Feb;27(1–2):29–34

PHYSIOPATHOLOGY

[Changes in the voice in type II mucopolysaccharidosis] Raisová V, et al. **Cesk Pediatr** 1986 Dec;41(12):716–7 **(Cze)**

RADIOGRAPHY

Radiological findings in patients with mucopolysaccharidosis I H/S (Hurler–Scheie syndrome). Schmidt H, et al. **Pediatr Radiol** 1987;17(5):409–14

THERAPY

Bone marrow transplantation in canine mucopolysaccharidosis I. Effects within the central nervous system. Shull RM, et al. **J Clin Invest** 1987 Feb; 79(2):435–43

LIPODYSTROPHY

BLOOD

Serum lipid and lipoprotein levels in premature ageing syndromes: total lipodystrophy and Cockayne syndrome. László A, et al. **Arch Gerontol Geriatr** 1986 Oct;5(3):189–96

CHEMICALLY INDUCED

Lipodystrophy from recombinant DNA human insulin [letter] Goldman JM, et al. **Am J Med** 1987 Jul;83(1):195–6

COMPLICATIONS

Membranoproliferative glomerulonephritis, type II and partial lipodystrophy in an adult. Pollock J, et al. **Am J Kidney Dis** 1986 Oct;8(4):274–6

Progressive partial lipodystrophy and third-trimester intrauterine fetal death. Fitch N, et al. **Am J Obstet Gynecol** 1987 May;156(5):1195–6

Partial lipodystrophy, meningococcal meningitis and nephritis. Schifferli JA, et al. **Dermatologica** 1986; 173(1):9–12

Partial lipodystrophy associated with a type 3 form of membranoproliferative glomerulonephritis. Chartier S, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 2):201–5

Hypertrophic cardiomyopathy in total lipodystrophy: insulin action in the face of insulin resistance? [letter] Geffner ME, et al. **J Pediatr** 1987 Jan;110(1):161

CONGENITAL

Near normalization of metabolic abnormalities by prolonged CSII in a girl with congenital lipodystrophy [letter] Klar A, et al. **Diabetes Care** 1987 Mar–Apr;10(2):257–9

DRUG THERAPY

Continuous subcutaneous insulin infusion (CSII) in the management of diabetic lipodystrophy: a case report. Cimino A, et al. **Acta Diabetol Lat** 1987 Apr–Jun; 24(2):165–7

FAMILIAL & GENETIC

[Sibling cases of membraneous lipodystrophy (Nasu) associated with neuropathy] Kitajima I, et al. **Rinsho Shinkeigaku** 1987 May;27(5):622–9 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

C3 nephritic factor (C3NeF): dissociation of cell-bound and fluid phase stabilization of alternative pathway C3 convertase. Ng YC, et al. **Clin Exp Immunol** 1986 Aug; 65(2):450–7

PATHOLOGY

Membranous lipodystrophy. Light and electron microscopic study of a biopsy case. Sageshima M, et al. **Acta Pathol Jpn** 1987 Feb;37(2):281–90

Ultrastructural abnormalities of the liver in total lipodystrophy. Klar A, et al. **Arch Pathol Lab Med** 1987 Feb;111(2):197–9

Partial lipodystrophy: report of a case. Chen HJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 May;86(5):564–8

RADIOGRAPHY

Case report 381: Membranous lipodystrophy (MLD). Pazzaglia UE, et al. **Skeletal Radiol** 1986;15(6):474–7

[Macrolipodystrophy. The value of soft-tissue radiography] Bidat E, et al. **Arch Fr Pediatr** 1986 May;43(5):337–9 (Eng. Abstr.) **(Fre)**

LIPODYSTROPHY, INTESTINAL

Whipple's disease: a multisystemic disease with changing presentation. Marbet UA, et al. **Dig Dis** 1986;4(2):119–28 (60 ref.)

COMPLICATIONS

Oculomasticatory myorhythmia: a unique movement disorder occurring in Whipple's disease. Schwartz MA, et al. **Ann Neurol** 1986 Dec;20(6):677–83

Whipple's disease presenting as adrenal insufficiency. Rudick JH, et al. **Cleve Clin J Med** 1987 Mar–Apr;54(2):115–9

Subcutaneous Whipple's disease. Kwee D, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 2):188–90

Whipple's disease of the central nervous system in AIDS [letter] Jankovic J. **N Engl J Med** 1986 Oct 16; 315(16):1029–30

[Whipple's disease in neurological form. Apropos of a case with anatomical verification] Le Thi Huong DU, et al. **Arch Anat Cytol Pathol** 1986;34(3):175–80 (Eng. Abstr.) **(Fre)**

[Pseudo-sarcoidosis form of Whipple's disease] Rey D, et al. **Rev Med Interne** 1987 Jan–Feb;8(1):69–70 **(Fre)**

[Whipple's disease associated with liver deposits of alpha-1 antitrypsin (Pi MS phenotype) and melena] Carballo Fernández C, et al. **Rev Esp Enferm Apar Dig** 1986 Nov; 70(5):443–7 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Periodic acid–Schiff-negative granulomatous lymphadenopathy in patients with Whipple's disease. Localization of the Whipple bacillus to noncaseating granulomas by electron microscopy. Wilcox GM, et al. **Am J Med** 1987 Jul;83(1):165–70

Endoscopic appearances in Whipple's disease. Mayberry J, et al. **J R Soc Med** 1986 Aug;79(8):483–5

[Arterial thromboses as a complication of Whipple disease] Bittner K, et al. **Med Klin** 1987 May 15;82(11):421–4 **(Ger)**

[A case of Whipple's disease] Papirov GS, et al. **Klin Med (Mosk)** 1986 Jul;64(7):137–9 **(Rus)**

ETIOLOGY

[Pseudo-Whipple's disease is acquired immunodeficiency syndrome (letter)] Guerin JM, et al. **Presse Med** 1987 May 2;16(16):781 **(Fre)**

IMMUNOLOGY

HLA antigens in Whipple's disease. Dobbins WO 3d. **Arthritis Rheum** 1987 Jan;30(1):102–5

MICROBIOLOGY

Microorganisms and Whipple's disease [letter] Keren DF, et al. **Gastroenterology** 1986 Dec;91(6):1580–1

[Isolation of Propionibacterium acnes from a cervical lymph node in Whipple's disease (letter)] Verdier M, et al. **Gastroenterol Clin Biol** 1987 Jun–Jul;11(6–7):524–6 **(Fre)**

PATHOLOGY

Whipple's disease confined to the central nervous system. Adams M, et al. **Ann Neurol** 1987 Jan;21(1):104–8

[Clinicopathologic conference. Cerebral organic psychosyndrome with focal findings in computerized tomography and endocrine disorders in a 52-year-old male] Hedderich U, et al. **Med Klin** 1987 Apr 10;82(7–8):269–73 **(Ger)**

[Diagnostic significance of computerized tomography in cerebral manifestations caused by Whipple's disease] Lahl R, et al. **Zentralbl Neurochir** 1986;47(4):301–10 (Eng. Abstr.) **(Ger)**

[Whipple's disease. Review apropos of a case] Mateo Rubio JM, et al. **Rev Esp Enferm Apar Dig** 1987 Jun;71(6):529–33 (Eng. Abstr.) **(Spa)**

[Whipple's disease] González M, et al. **Rev Med Chil** 1987 Feb;115(2):135–40 (Eng. Abstr.) **(Spa)**

LIPOFUSCIN see under **PIGMENTS**

LIPOIC ACID

ANALOGS & DERIVATIVES

Pyruvate dehydrogenase and 3-fluoropyruvate: chemical competence of 2-acetylthiamin pyrophosphate as an acetyl group donor to dihydrolipoamide. Flournoy DS, et al. **Biochemistry** 1986 Oct 7;25(20):6036–43

Dihydrolipoyl transacetylase of Escherichia coli. Formation of 8-S-acetyldihydrolipoamide. Yang YS, et al. **Biochemistry** 1986 Dec 16;25(25):8173–8

[Reconstitution of high-affinity galactose transport of Salmonella typhimurium in proteoliposomes: energization by lipoamide and NAD or by the membrane potential; inhibition by ATP] Richarme G. **C R Acad Sci [III]** 1987; 305(3):55–8 (Eng. Abstr.) **(Fre)**

[Effect of unithiol and lipamide on the cardiovascular function of animals administered cadmium and copper compounds] Verich GE. **Vrach Delo** 1987 Apr;(4):110–2 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Augmentation of the antibody response by lipoic acid in mice. II. Restoration of the antibody response in immunosuppressed mice. Ohmori H, et al. **Jpn J Pharmacol** 1986 Oct;42(2):275–80

Augmentation of the antibody response by lipoic acid in mice. I. Analysis of the mode of action in an in vitro cultures system. Ohmori Hnt, et al. **Jpn J Pharmacol** 1986 Sep; 42(1):135–40

LIPOIDOSIS

BLOOD

Plasma bile acids in patients with peroxisomal dysfunction syndromes: analysis by capillary gas chromatography–mass spectrometry. Clayton PT, et al. **Eur J Pediatr** 1987 Mar; 146(2):166–73

CHEMICALLY INDUCED

Experimental drusen formation induced by intravitreal aminoglycoside injection. Tabatabay CA, et al. **Arch Ophthalmol** 1987 Jun;105(6):826–30

Amantadine-induced lipidosis. A cytological and physicochemical study. Burmester J, et al. **Toxicology** 1987 Apr;44(1):45–59

DIAGNOSIS

Sonographic and computed tomographic findings in Canavan's disease. Patel PJ, et al. **Br J Radiol** 1986 Dec; 59(708):1226–8

ETIOLOGY

Determinants of pulmonary fibrosis and lipidosis in the silica model. Heppleston AG. **Br J Exp Pathol** 1986 Dec; 67(6):879–88

Desquamative interstitial pneumonitis and alveolar lipoproteinosis: diagnostic difficulties and therapy problems with an infant. Schneider K, et al. **Eur J Pediatr** 1986 Dec; 145(6):575–8

The occurrence of cardiac lipidosis and necrotic lesions in the hearts of rats following long-term feeding of different lipid supplemented diets. Charnock JS, et al. **J Nutr Sci Vitaminol (Tokyo)** 1987 Feb;33(1):75–87

Pulmonary alveolar lipoproteinosis in rats following intratracheal injection of pyrite particles. Governa M, et al. **J Toxicol Environ Health** 1986;19(3):403–12

FAMILIAL & GENETIC

[Wolman's disease: report of 3 cases] Pastor Bevia E, et al. **An Esp Pediatr** 1987 Apr;26(4):301–4 **(Spa)**

METABOLISM

Generation of transgenic mice producing a human transthyretin variant: a possible mouse model for familial amyloidotic polyneuropathy. Sasaki H, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):794–9

PATHOLOGY

Neuronal lipidosis and neuroaxonal dystrophy in cerebro-hepato-renal (Zellweger) syndrome. Powers JM, et al. **Acta Neuropathol (Berl)** 1987;73(4):333–43

Predominantly cerebral manifestation in Urbach–Wiethe's syndrome (lipoid proteinosis cutis et mucosae): a clinical and pathomorphological study. Kleinert R, et al. **Clin Neuropathol** 1987 Jan–Feb;6(1):43–5

Fusion of storage lysosomes in experimental lipidosis and glycogenosis. Lüllmann-Rauch R, et al. **Exp Mol Pathol** 1987 Feb;46(1):136–43

Renal lipidoses: a review. Faraggiana T, et al. **Hum Pathol** 1987 Jul;18(7):661–79 (62 ref.)

Lipoid proteinosis: ultrastructural and biochemical studies. Moy LS, et al. **J Am Acad Dermatol** 1987 Jun; 16(6):1193–201

Pulmonary alveolar phospholipoproteinosis: experience with 34 cases and a review. Prakash UB, et al. **Mayo Clin Proc** 1987 Jun;62(6):499–518 (103 ref.)

VETERINARY

Distal renal tubular acidosis and hepatic lipidosis in a cat. Brown SA, et al. **J Am Vet Med Assoc** 1986 Nov 15; 189(10):1350–2

LIPOIDPROTEINOSIS see under **LIPOIDOSIS**

LIPOLYSIS

Effect of short-term fasting on lipolytic responsiveness in normal and obese human subjects. Wolfe RR, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):E189–96

Regulation of lipolysis in severely burned children. Wolfe RR, et al. **Ann Surg** 1987 Aug;206(2):214–21

Hormonal effects on mitochondrial respiration: potential role of endogenous lipolytic activities. Crost S, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):421–9

Relation between lipolysis and glycolysis during ischemia in the isolated rat heart. Trach V, et al. **Basic Res Cardiol** 1986 Sep-Oct;81(5):454-64

The interaction of lipolysis products of very low density lipoprotein with plasma high density lipoprotein (HDL): perfusate HDL with plasma HDL subfractions. Tam SP, et al. **Biochem Cell Biol** 1987 Mar;65(3):252-60

Phosphatidylcholine composition of emulsions influences triacylglycerol lipolysis and clearance from plasma. Clark SB, et al. **Biochim Biophys Acta** 1987 Jul 13;920(1):37-46

Importance of human gastric lipase for intestinal lipolysis: an in vitro study. Gargouri Y, et al. **Biochim Biophys Acta** 1986 Dec 5;879(3):419-23

Lipolysis products promote the formation of complexes of very-low-density and low-density lipoproteins. Musliner TA, et al. **Biochim Biophys Acta** 1987 Jun 2;919(2):97-110

Studies on the mechanism of hypertriglyceridemia in Tangier disease. Determination of plasma lipolytic activities, k1 values and apolipoprotein composition of the major lipoprotein density classes. Wang CS, et al. **Biochim Biophys Acta** 1987 Jul 13;920(1):9-19

Demonstration of fatty acid domains in membranes produced by lipolysis in mouse adipose tissue. A freeze-fracture study. Amende LM, et al. **Cell Tissue Res** 1986; 246(3):495-508

Cyclic fatty esters: synthesis, characterization, and lipolysis of isomeric triglycerides of 9-(6-propyl-3-cyclohexenyl)-(Z)8-nonenoic acid. Awl RA, et al. **Chem Phys Lipids** 1986 Aug;41(1):65-80

Sample lipolysis for quantification of apolipoprotein B [letter] Cohn JS, et al. **Clin Chem** 1987 Feb;33(2 Pt 1):338-9

Involvement of the sympathetic nervous system in lipolytic activity in brown adipose tissue of cold acclimated rats. Laury MC, et al. **Comp Biochem Physiol [A]** 1987; 87(1):197-203

In vitro lipolytic activity of beta-endorphin and its partial sequences. Richter WO, et al. **Endocrinology** 1987 Apr; 120(4):1472-6

Increased alpha 2- but similar beta-adrenergic receptor activities in subcutaneous gluteal adipocytes from females compared with males. Richelsen B. **Eur J Clin Invest** 1986 Aug;16(4):302-9

Evidence for an involvement of opioid peptides in exercise-induced lipolysis in rats. Vettor R, et al. **Horm Metab Res** 1987 Jun;19(6):282-3

Post-heparin lipolytic activity (PHLA) and development of atherosclerosis in vasectomized monkeys. Bansal N, et al. **Indian J Exp Biol** 1986 Oct;24(10):647-9

Evolution of the sensitivity of isolated adipocytes of ewes to the lipolytic effects of different stimuli during pregnancy and lactation. Iliou JP, et al. **Int J Biochem** 1987;19(3):253-8

Comparison of plasma free-fatty-acid and blood-glycerol concentrations with measurement of lipolysis in porcine adipose tissue in vitro. Mersmann HJ. **J Anim Sci** 1986 Sep;63(3):757-69

Factors affecting measurements of glucose metabolism and lipolytic rates in porcine adipose tissue slices in vitro. Mersmann HJ, et al. **J Anim Sci** 1987 Jan;64(1):148-64

Enhanced lipolysis is not evident in adipocytes from exercise-trained SHR. Shepherd RE, et al. **J Appl Physiol** 1986 Oct;61(4):1301-8

A modified ultra high temperature treatment for reducing microbial lipolysis in stored milk. Bucky AR, et al. **J Dairy Res** 1987 May;54(2):275-82

Effect of stage of lactation, stage of pregnancy, milk yield and herd management on seasonal variation in spontaneous lipolysis in bovine milk. Chazal MP, et al. **J Dairy Res** 1986 Nov;53(4):529-38

Effect of breed of cow (Friesian and Montbéliarde) on spontaneous and induced lipolysis in milk. Chazal MP, et al. **J Dairy Res** 1987 Feb;54(1):7-11

Effect of nature of forage on spontaneous lipolysis in milk from cows in late lactation. Chazal MP, et al. **J Dairy Res** 1987 Feb;54(1):13-8

Regulation of bovine adipose tissue metabolism during lactation. 2. Lipolysis response to milk production and energy intake. McNamara JP, et al. **J Dairy Sci** 1986 Dec; 69(12):3042-50

Human milk kills Giardia lamblia by generating toxic lipolytic products. Reiner DS, et al. **J Infect Dis** 1986 Nov; 154(5):825-32

Influence of lipolysis on the mobilization of 2,4,5,2',4',5'-hexachlorobiphenyl from adipocytes in vitro. Gallenberg LA, et al. **J Toxicol Environ Health** 1987; 20(1-2):163-71

Products of lipolysis in human milk destroy parasites. **Nutr Rev** 1987 Aug;45(8):236-8 (8 ref.)

Effect of aging on pancreatic lipolytic enzymes. Wang CS, et al. **Pancreas** 1986;1(5):438-42

Measurement of blood flow and lipolysis in the hindquarter tissues of the fat-tailed sheep in vivo. Gooden JM, et al. **Q J Exp Physiol** 1986 Oct;71(4):537-47

[In vivo study of lipolysis and ketogenesis in man] Beylot M, et al. **Journ Annu Diabetol Hotel Dieu** 1986;41-53 (53 ref.) **(Fre)**

[Lipolytic activity in human milk] Megyeri P, et al. **Orv Hetil** 1986 Sep 14;127(37):2239-41 (Eng. Abstr.) **(Hun)**

[Processes of lipoprotein lipolysis in blood plasma (review of the literature)] Kosukhin AB, et al. **Lab Delo** 1987; (7):483-8 **(Rus)**

[A screening method of determining the total lipolytic activity of the blood] Loginov AS, et al. **Lab Delo** 1986; (8):463-6 (Eng. Abstr.) **(Rus)**

[Metabolic relation between lipolysis and oxygen consumption in epididymal adipose tissue of the rat. Changes caused by fasting, adrenaline, triiodothyronine, glucose and insulin] Llamas R. **Gac Med Mex** 1986 May-Jun;122(5-6):175-80 **(Spa)**

DRUG EFFECTS

Adaptation of lipogenesis and lipolysis to dietary ethanol. Woollett LA, et al. **Alcoholism (NY)** 1987 Aug;11(4):336-9

Fasting-mediated alteration studies in insulin action on lipolysis and lipogenesis in obese women. Arner P, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):E193-201

Lipolytic response to glucose infusion in human subjects. Wolfe RR, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):E218-23

The antilipolytic effect of insulin in human adipocytes requires activation of the phosphodiesterase. Lönnroth P, et al. **Biochem Biophys Res Commun** 1986 Dec 30; 141(3):1157-61

Evidence that the lipolytic defect induced by estradiol-treatment in hamster adipocytes is related to an estrogen receptor-mediated defect in the adenylate cyclase catalytic subunit but not in Ns. Pecquery R, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):369-75

Stimulation of adipocyte phospholipid methyltransferase activity by phorbol 12-myristate 13-acetate. Differential regulation of phospholipid methyltransferase and lipolysis. Kelly KL. **Biochem J** 1987 Feb 1;241(3):917-21

Sensitivity of adipocyte lipolysis to stimulatory and inhibitory agonists in hypothyroidism and starvation. Saggerson ED. **Biochem J** 1986 Sep 1;238(2):387-94

Role of growth hormone in the adaptations of lipolysis in rat adipocytes during recovery from lactation. Vernon RG, et al. **Biochem J** 1987 Mar 15;242(3):931-4

Lipolysis and beta-adrenergic receptor binding on adipocytes of spontaneously hypertensive rats. Nelson KM, et al. **Biochem Med Metab Biol** 1987 Feb;37(1):51-60

Effects of 2[5(4-chlorophenyl)pentyl]oxirane-2-carboxylate on lipoprotein lipase, adipose tissue lipolysis and glycerol phosphate acyltransferase in rats. Rogers MP. **Biochem Pharmacol** 1987 Mar 15;36(6):971-2

Age related changes in the antilipolytic effects of nicotinic acid in rat adipose tissue. Caparrotta L, et al. **Br J Pharmacol** 1983 Dec;80(4):663-70

Methylamine does not inhibit rates of endogenous lipolysis in isolated myocardial cells from rat heart. Kryski A Jr, et al. **Can J Physiol Pharmacol** 1987 Feb;65(2):226-9

Evolution of the sensitivity of isolated adipocytes of ewes to the antilipolytic action of adenosine during pregnancy and lactation. Iliou JP, et al. **Comp Biochem Physiol [A]** 1987;86(4):755-9

Comparative studies on intermediary metabolism and hormonal counterregulation following human insulin (recombinant DNA) and purified pork insulin in man. Rosak C, et al. **Diabetes Care** 1982 Nov-Dec;5 Suppl 2:82-9

The lipolytic effects of mouse placental lactogen II, mouse prolactin, and mouse growth hormone on adipose tissue from virgin and pregnant mice. Fielder PJ, et al. **Endocrinology** 1987 Aug;121(2):493-7

Coupling of adenylate cyclase to lipolysis in permeabilized adipocytes: direct evidence that an antilipolytic effect of insulin is independent of adenylate cyclase. Mooney RA, et al. **Endocrinology** 1986 Nov;119(5):2240-8

In vitro lipolytic activity of beta-endorphin and its partial sequences. Richter WO, et al. **Endocrinology** 1987 Apr; 120(4):1472-6

Lipolysis in diabetic adipocytes: differences in response to growth hormone and adenosine. Solomon SS, et al. **Endocrinology** 1987 Sep;121(3):1056-60

Role of alpha-adrenoceptors for adipocyte size in man. Arner P, et al. **Eur J Clin Invest** 1987 Feb;17(1):58-62

Differential effects of noradrenaline and glucagon on lipolysis and fatty-acid utilization in brown adipose tissue. Howland RJ, et al. **FEBS Lett** 1986 Nov 10;208(1):128-32

Adrenergic control of lipolysis and metabolic responses in obesity. Zahorska-Markiewicz B, et al. **Horm Metab Res** 1986 Oct;18(10):693-7

Antilipolytic action of insulin in abdominal adipocytes of obese subjects before and during energy restriction. Influence of adenosine deaminase. Kather H, et al. **Int J Obes** 1987;11(2):191-200

Human recombinant TNF suppresses lipoprotein lipase activity and stimulates lipolysis in 3T3-L1 cells. Kawakami M, et al. **J Biochem (Tokyo)** 1987 Feb;101(2):331-8

Regulation of insulin-stimulated glucose transport in the isolated rat adipocyte. cAMP-independent effects of lipolytic and antilipolytic agents. Kuroda M, et al. **J Biol Chem** 1987 Jan 5;262(1):245-53

Changes in catecholamine-induced lipolysis in isolated human fat cells during the first year of life. Marcus C, et al. **J Clin Invest** 1987 Jun;79(6):1812-8

The influence of beta-adrenoceptor blockade on the lipolytic response to exercise. Hall PE, et al. **J Clin Pharm Ther** 1987 Apr;12(2):101-6

Visualization by freeze fracture, in vitro and in vivo, of the products of fat digestion. Rigler MW, et al. **J Lipid Res** 1986 Aug;27(8):836-57

Parathyroid hormone-induced lipolysis in human adipose tissue. Taniguchi A, et al. **J Lipid Res** 1987 May;28(5):490-4

Synthesis and antilipolytic activities of quinolyl carbanilates and related analogues. Musser JH, et al. **J Med Chem** 1987 Jan;30(1):62-7

Effect of a high fat diet on rat adipocyte lipolysis: responses to epinephrine, forskolin, methylisobutylxanthine, dibutyryl cyclic AMP, insulin and nicotinic acid. Tepperman HM, et al. **J Nutr** 1986 Oct;116(10):1984-91

Effects of pregnancy and lactation on lipolysis of ewe adipocytes induced by beta-adrenergic stimulation. Guesnet P, et al. **Mol Cell Endocrinol** 1987 Apr; 50(3):177-81

Lipolytic potency of proopiomelanocorticotropin peptides in vitro. Richter WO, et al. **Neuropeptides** 1987 Jan; 9(1):59-74

In vitro effects of glucidamine on adrenergic stimulated lipolysis and on lipoprotein lipase activity in human adipose tissue. Enzi G, et al. **Pharmacol Res Commun** 1986 Sep; 18(9):769-74

Studies on a protein kinase inhibitor-insensitive, phospholipase C-sensitive pathway of lipolysis in rat adipocytes. Okuda H, et al. **Pharmacol Res Commun** 1986 Oct;18(10):877-93

Growth hormone inhibition of glucagon- and cAMP-induced lipolysis by chicken adipose tissue in vitro [published erratum appears in Proc Soc Exp Biol Med 1987 Sep;185(4):504] Campbell RM, et al. **Proc Soc Exp Biol Med** 1987 Apr;184(4):456-60

Antilipolytic activity of viprostol, a transdermally active antihypertensive PGE2 analog. Crandall DL, et al. **Prostaglandins** 1987 May;33(5):767-73

Vascular and lipolytic responses of the inguinal fat pad of the sheep to adrenergic stimulation, and the effects of denervation and autotransplantation. Thompson GE. **Q J Exp Physiol** 1986 Oct;71(4):559-67

Effects of retinoic acid on lipolytic activity of tumor cells. Devereux DF, et al. **Surgery** 1987 Aug;102(2):277-82

Plasma lipolytic activity after subcutaneous administration of heparin and a low molecular weight heparin fragment. Persson E, et al. **Thromb Res** 1987 Jun 1;46(5):697-704

[Lipolytic effects of 3-(hydroxymethyl)-N-methylpiperidine (4-chlorophenoxy)-acetate HCl] Massicot F, et al. **C R Acad Sci [III]** 1986;303(14):617-9 (Eng. Abstr.) **(Fre)**

[Comparison of the lipolytic activity of adipocytes isolated from white adipose tissue in Zucker and Wistar rats. In vitro effects of 3,5,3'-triiodo-L-thyronine] Loireau A, et al. **C R Soc Biol (Paris)** 1986;180(4):441-6 (Eng. Abstr.) **(Fre)**

[Use of yohimbine, an alpha-adrenolytic drug, in obesity] Zahorska-Markiewicz B, et al. **Pol Arch Med Wewn** 1986 May;75(5):351-5 (Eng. Abstr.) **(Pol)**

[Stimulating effect of arginine vasopressin on the release of free fatty acids by isolated rat adipose cells] Abel'son IuO. **Fiziol Zh SSSR** 1987 Apr;73(4):537-40 (Eng. Abstr.) **(Rus)**

[Metabolic relations between lipolysis and oxygen consumption in rat epididymal adipose tissue. Changes caused by fasting, adrenaline, triiodothyronine, glucose and insulin] Llamas R. **Gac Med Mex** 1986 May-Jun; 122(5-6):175-80 **(Spa)**

RADIATION EFFECTS

Relationship between lipofuscin-like pigments formation and lipolysis in gamma irradiated rats. Rejholcová M, et al. **Agressologie** 1986 May;27(6):475-6

LIPOMA

[Myelolipoma of the suprarenal gland] i-Lida S. **Ugeskr Laeger** 1987 Mar 30;149(14):914-5 (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Median cleft of the upper lip associated with lipomas of the central nervous system and cutaneous polyps. Pai GS, et al. **Am J Med Genet** 1987 Apr;26(4):921-4

A rare cause of unexpected difficult intubation [letter] Chopra V. **Anaesthesia** 1986 Nov;41(11):1158

Rupture of renal angiomyolipoma. Royce PL, et al. **Aust NZ J Surg** 1987 Jul;57(7):481-3

Spinal cord compression by extensive epidural lipoma. A case report. Wiedemayer H, et al. **Eur Neurol** 1987;27(1):46-50

Giant gastric lipoma presenting with fever and melena. Singh K, et al. **Indian J Gastroenterol** 1987 Jul;6(3):181-2

Ruptured renal angiomyolipoma presenting as acute cholecystitis. Schachter P, et al. **Isr J Med Sci** 1986 Jun; 22(6):475-7

Lumbosacral lipoma causing tethering of the conus: case report. Raco A, et al. **Ital J Neurol Sci** 1987 Feb;8(1):59-62

Computed tomography of intussusception due to colon lipoma. Hodgman CG, et al. **J Comput Assist Tomogr** 1987 Jul-Aug;11(4):740-1

Sleep palsy (Saturday-night palsy) of the deep radial nerve. Case report. Fernandez E, et al. **J Neurosurg** 1987 Mar; 66(3):460-1

Late neurological dysfunction in adult lumbosacral lipoma. Maiuri F, et al. **J Neurosurg Sci** 1987 Jan-Mar;31(1):7-11

Renal angiomyolipoma with arteriovenous shunting. Barzilai IM, et al. **J Urol** 1987 Mar;137(3):483-4

Renal lesions in tuberous sclerosis. Stillwell TJ, et al. **J Urol** 1987 Sep;138(3):477-81

Hemifacial spasm due to cerebellopontine angle lipoma: case

report. Levin JM, et al. **Neurology** 1987 Feb;37(2):337–9
Spontaneous expulsion of lipoma per rectum occurring with colonic intussusception. Zamboni WA, et al. **Surgery** 1987 Jan;101(1):104–7
Spontaneous perinephric hemorrhage from extrarenal angiomyolipoma. Randazzo RF, et al. **Urology** 1987 Apr; 29(4):428–31
[Extensive spinal cord lipoma] Gallet S, et al. **Pediatrie** 1987; 42(1):13–6 **(Fre)**
[Pulmonary lymphangiomyomatosis and renal angiomyolipoma. Apropos of 2 cases] Vincent A, et al. **Schweiz Med Wochenschr** 1987 Jun 20;117(25):958–63 (Eng. Abstr.) **(Fre)**
[Tuberous sclerosis: report of an unusual case] Vicari AM, et al. **Recenti Prog Med** 1986 Oct;77(10):466–9 (Eng. Abstr.) **(Ita)**
[A case of agenesis of the corpus callosum accompanied by a ruptured azygos anterior cerebral artery aneurysm and lipoma—a case report] Nakamura N, et al. **No To Shinkei** 1986 Jul;38(7):701–5 (Eng. Abstr.) **(Jpn)**
[Thymolipoma in association with myasthenia gravis] Yamanaka N, et al. **Rinsho Shinkeigaku** 1987 May; 27(5):663–6 (Eng. Abstr.) **(Jpn)**
[Bilateral renal angiomyolipoma. Hematuria. Treatment by selective arterial embolization] Luengo Alpuente S, et al. **Actas Urol Esp** 1986 Nov–Dec;10(6):513–6 (Eng. Abstr.) **(Spa)**
[Bilateral renal angiomyolipoma associated with tuberous sclerosis] Sala Blanco J, et al. **Arch Esp Urol** 1987 Mar; 40(2):91–5 (Eng. Abstr.) **(Spa)**
[Submucous lipoma of the cecum as a cause of ileocolic invagination in adults. Apropos of 2 cases] Fernández Palacio E, et al. **Rev Esp Enferm Apar Dig** 1987 Jul; 72(1):65–8 (Eng. Abstr.) **(Spa)**
[Lipoma of the colon: apropos of 2 cases] García Correa F, et al. **Rev Esp Enferm Apar Dig** 1987 Feb;71(2):173–5 (Eng. Abstr.) **(Spa)**

CONGENITAL

Sacral lipomas: the need for neurologic and radiologic evaluation [letter] Hebert AA, et al. **Arch Dermatol** 1987 Jun;123(6):711–2
Congenital lumbosacral lipoma causing primary enuresis in an adult. Bourque PR, et al. **Can Med Assoc J** 1986 Nov 1;135(9):1007–8
Are the metabolic characteristics of congenital intraspinal lipoma cells identical to, or different from normal adipocytes? Giudicelli Y, et al. **Childs Nerv Syst** 1986; 2(6):290–6
Congenital intraspinal lipomas: clinical presentation and response to treatment. Lhowe D, et al. **J Pediatr Orthop** 1987 Sep–Oct;7(5):531–7
Sonographic diagnosis of lipoma of the corpus callosum. Christensen RA, et al. **J Ultrasound Med** 1987 Aug; 6(8):449–51

DIAGNOSIS

Fine needle aspiration cytology of thymolipoma. A case report. Heimann A, et al. **Acta Cytol (Baltimore)** 1987 May–Jun;31(3):335–9
Lipomeningomyelocystocele. Vade A, et al. **AJNR** 1987 Mar–Apr;8(2):375–7
Adrenal myelolipoma: diagnosis by fine-needle aspiration. Gould JD, et al. **AJR** 1987 May;148(5):921–2
Uterine lipoma: ultrasound and C.T. appearances. Davies RP, et al. **Australas Radiol** 1986 Aug;30(3):241–3
Adrenal myelolipoma: fine-needle aspiration of an asymptomatic retroperitoneal mass. Neumann MP, et al. **Diagn Cytopathol** 1987 Mar;3(1):82–4
Posttraumatic intrauterine omental implantation mimicking lipomatous lesion 16 years later. Armin AR, et al. **Int J Gynecol Pathol** 1987;6(1):89–92
Lipoma of the liver. Pham DH, et al. **J Can Assoc Radiol** 1986 Dec;37(4):283–4
CT and MR imaging of fatty tumors of the liver. Itai Y, et al. **J Comput Assist Tomogr** 1987 Mar–Apr;11(2):253–7
MR imaging of mediastinal thymolipoma. Shirkhoda A, et al. **J Comput Assist Tomogr** 1987 Mar–Apr;11(2):364–5
Trigeminal nerve lipoma: MR findings. Yuh WT, et al. **J Comput Assist Tomogr** 1987 May–Jun;11(3):518–21
Sonographic findings of a spermatic cord lipoma. Case report and review of the literature. Kutchera WA, et al. **J Ultrasound Med** 1987 Aug;6(8):457–60 (18 ref.)
Magnetic resonance imaging of intradural spinal lipoma. Lantos G, et al. **Neurosurgery** 1987 Mar;20(3):469–72
Intramuscular pleomorphic lipoma [letter] Cason JD, et al. **NY State J Med** 1986 Dec;86(12):657–8
Evaluation of MR in spinal dysraphism with lipoma: comparison with metrizamide computed tomography. Wippold FJ, et al. **Pediatr Radiol** 1987;17(3):184–8
Magnetic resonance imaging: lumbosacral lipoma. Komiyama M, et al. **Surg Neurol** 1987 Oct;28(4):259–64
Retroperitoneal lipoblastoma in a three-year-old child. Tanyel FC, et al. **Turk J Pediatr** 1986 Oct–Dec; 28(4):259–61
Diagnosis and treatment of renal angiomyolipoma (based on 15 cases). Heckl W, et al. **Urol Int** 1987;42(3):201–6
Adrenal myelolipoma: clinical, radiologic, and histologic features. Dieckmann KP, et al. **Urology** 1987 Jan;29(1):1–8
Large renal masses in young adults [clinical conference] Jordan GH, et al. **Urology** 1986 Oct;28(4):330–7
[Lipoma of the large intestine in the form of a polyp diagnosed fiber-endoscopically] Bakalov V, et al. **Khirurgiia (Sofiia)** 1986;39(4):59–61 **(Bul)**
[Tethered spinal cord and lipoma. Contribution of magnetic resonance imaging] Awada A, et al. **Rev Neurol (Paris)** 1986;142(5):553–5 (Eng. Abstr.) **(Fre)**
[Colonic lipoma (letter)] Herzog U, et al. **Dtsch Med Wochenschr** 1987 Feb 13;112(7):284–6 **(Ger)**
[Lipoma of the corpus callosum as a constituent of Goldenhar syndrome] Thommen L, et al. **Monatsschr Kinderheilkd** 1986 Aug;134(8):541–3 (Eng. Abstr.) **(Ger)**
[Fibrolipoma of the median nerve. Its imaging by CT and NMR] Schmitt R, et al. **ROFO** 1987 Aug;147(2):216–8 **(Ger)**
[Pelvic lipomatosis] Heckl W, et al. **Urologe [A]** 1986 Nov; 25(6):358–60 **(Ger)**
[Diagnosis of angiomyolipoma of the kidney] Tuppatsch S, et al. **Z Urol Nephrol** 1987 Feb;80(2):81–8 (Eng. Abstr.) **(Ger)**
[Parosteal lipoma of the distal third of the femur. Clinical, echotomographic and tomodensitometric considerations] Tricarico A, et al. **Chir Organi Mov** 1986 Jul–Aug; 71(3):287–90 (Eng. Abstr.) **(Ita)**
[Instrumental diagnosis of non-glandular superficial inflammation] Gozzi G, et al. **Radiol Med (Torino)** 1987 Mar;73(3):212–6 (Eng. Abstr.) **(Ita)**
[Diagnostic images of renal angiomyolipoma] Stasi G, et al. **Radiol Med (Torino)** 1986 Oct;72(10):733–7 (Eng. Abstr.) **(Ita)**
[Two cases of adrenal myelolipoma] Maruyama T, et al. **Rinsho Hoshasen** 1986 Jun;31(6):753–6 (Eng. Abstr.) **(Jpn)**
[A case of craniofacial lipoma] Chmielarski A. **Wiad Lek** 1986 Jun 15;39(12):851–4 (Eng. Abstr.) **(Pol)**
[Lipoma of the trachea] Oloviannikov IA, et al. **Vestn Otorinolaringol** 1986 Nov–Dec;(6):80–1 **(Rus)**
[Renal angiomyolipoma: clinical study of 2 cases] Castillo O, et al. **Rev Med Chil** 1986 May;114(5):456–9 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Intraosseous lipomas: clinical features of a mandibular case with possible aetiology. Barker GR, et al. **Br J Oral Maxillofac Surg** 1986 Dec;24(6):459–63
Renal angiomyolipoma in tuberous sclerosis. Bhaduri AS, et al. **Indian J Cancer** 1986 Mar;23(1):59–63
Symptomatic bilateral renal angiomyolipomas in a child. Hendren WG, et al. **J Urol** 1987 Feb;137(2):256–7
[Callosal-choroid plexus lipoma associated with subcutaneous lipoma. Case report] Nitta T, et al. **Neurol Med Chir (Tokyo)** 1986 Nov;26(11):895–9 (Eng. Abstr.) **(Jpn)**
[Bourneville's tuberous sclerosis with renal manifestations] Proca E, et al. **Rev Chir [Chir]** 1986 Nov–Dec;35(6):401–14 (Eng. Abstr.) **(Rum)**
[Lipomatous evolution of surgical wounds following radical saphenectomy: an unusual complication] Marongiu G, et al. **Angiologia** 1987 Jan–Feb;39(1):33–5 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

A syndrome with painful lipomas, familial dysarthria, abnormal eye-movements and clumsiness. Juhlin L, et al. **Acta Med Scand** 1987;221(2):215–8
Reciprocal translocation t(3;12)(q27;q13) in lipoma. Heim S, et al. **Cancer Genet Cytogenet** 1986 Dec;23(4):301–4
Marker ring chromosome—a new cytogenetic abnormality characterizing lipogenic tumors? Heim S, et al. **Cancer Genet Cytogenet** 1987 Feb;24(2):319–26
Cytogenetic studies of adipose tissue tumors. I. A benign lipoma with reciprocal translocation t(3;12)(q28;q14). Turc-Carel C, et al. **Cancer Genet Cytogenet** 1986 Dec; 23(4):283–9
Lipomas have characteristic structural chromosomal rearrangements of 12q13–q14. Mandahl N, et al. **Int J Cancer** 1987 Jun 15;39(6):685–8

METABOLISM

Fatty acid composition of phospholipids and neutral lipids and lipid peroxidation in human breast cancer and lipoma tissue. Hietanen E, et al. **Carcinogenesis** 1986 Dec; 7(12):1965–9

PATHOLOGY

Combined adrenal myelolipoma and adenoma associated with Cushing's syndrome. Vyberg M, et al. **Am J Clin Pathol** 1986 Oct;86(4):541–5
Myelolipoma arising from ectopic adrenal cortex: case report and review of the literature. Stein SH, et al. **Am J Gastroenterol** 1986 Oct;81(10):999–1001
Atypical and malignant neoplasms showing lipomatous differentiation. A study of 111 cases. Azumi N, et al. **Am J Surg Pathol** 1987 Mar;11(3):161–83
Giant retroperitoneal pleomorphic lipoma. Zhang SZ, et al. **Am J Surg Pathol** 1987 Jul;11(7):557–62
Pleomorphic lipoma of the bulbar conjunctiva. Bryant J. **Ann Ophthalmol** 1987 Apr;19(4):148–9
Pleomorphic lipoma of the dermis. Nigro MA, et al. **Br J Dermatol** 1987 May;116(5):713–7
Spontaneous rupture of renal angiomyolipoma with perinephric haemorrhage: sonographic findings. Derchi LE, et al. **Br J Radiol** 1985 Oct;58(694):979–82
Hepatic lipomas: ultrasound and computed tomographic findings. Bruneton JN, et al. **Gastrointest Radiol** 1987; 12(4):299–303
Hibernomas of the head and neck. Abemayor E, et al. **Head Neck Surg** 1987 Jul–Aug;9(6):362–7
Spindle cell lipoma: a clinicopathological study with some original observations. Fletcher CD, et al. **Histopathology** 1987 Aug;11(8):803–17
Angiomyolipoma with regional lymph node involvement and long-term follow-up study. Brecher ME, et al. **Hum Pathol** 1986 Sep;17(9):962–3
Additional cases of angiomyolipoma with regional lymph node involvement [letter] Waisman J. **Hum Pathol** 1987 Feb;18(2):206
Angiomyolipoma in the foot. A case report. Krolick WD, et al. **J Am Podiatr Med Assoc** 1987 Jun;77(6):290–1
Lipoma of the septum pellucidum: case report. Wilberger JE Jr, et al. **J Comput Tomogr** 1987 Jan;11(1):79–82
Lipoma of the corpus callosum. Sarma DP. **J La State Med Soc** 1986 Sep;138(9):45–7
Lumbosacral intramedullary myolipoma. Case report. Knierim DS, et al. **J Neurosurg** 1987 Mar;66(3):457–9
Pleomorphic lipoma of the tongue: case report and literature review. Guillou L, et al. **J Otolaryngol** 1986 Oct; 15(5):313–6
Intraosseous lipoma of the distal part of the femur. Herold ZH, et al. **J Pediatr Surg** 1987 Apr;22(4):384–5
Pediatric infiltrating lipomas: case report and review of the literature. Winkler M, et al. **J Surg Oncol** 1987 May; 35(1):59–62
Giant esophageal fibrolipoma: case report and review of the literature. Cole FH Jr, et al. **J Tenn Med Assoc** 1987 May; 80(5):267–9
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 45–1986. A 64-year-old man with pleuritic chest pain and wheezing and a right-upper-lobe abnormality of 10 years' duration. **N Engl J Med** 1986 Nov 13;315(20):1277–85
Intracerebral lipoma—case report. Jamshidi J, et al. **Neurol Med Chir (Tokyo)** 1986 Jul;26(7):560–3
Intramuscular (infiltrating) lipoma of the tongue. Garavaglia J, et al. **Oral Surg Oral Med Oral Pathol** 1987 Mar; 63(3):348–50
Extradural spinal angiolipoma. Haddad FS, et al. **Surg Neurol** 1986 Nov;26(5):473–86
Tuberous sclerosis with angiomyolipoma and metastasized hypernephroma. Ahuja S, et al. **Urology** 1986 Nov; 28(5):413–9
[Retroperitoneal lipoma with a case contribution] Tachev S, et al. **Khirurgiia (Sofiia)** 1987;40(2):53–5 **(Bul)**
[Mesocolonic liposclerosis: isolated lesion of the mesocolon?] Gugenheim J, et al. **Ann Chir** 1986 Jun;40(5):329–32 (Eng. Abstr.) **(Fre)**
[Subaponeurotic lipoma of the forehead] Grosshans E, et al. **Ann Dermatol Venereol** 1987;114(3):335–40 (Eng. Abstr.) **(Fre)**
[Lipomatous hypertrophy of the interauricular septum. Morphological and electrocardiographical aspects] Haardt R, et al. **Arch Mal Coeur** 1987 Feb;80(2):212–5 (Eng. Abstr.) **(Fre)**
[Lipomas of the uterus: rare tumors of this site—case report] Bachor R, et al. **Geburtshilfe Frauenheilkd** 1986 Nov; 46(11):842–3 (Eng. Abstr.) **(Ger)**
[Adrenal myelolipoma. Clinical aspects, diagnosis and therapy] Dieckmann KP, et al. **Med Klin** 1986 Apr 25; 81(9):332–8 **(Ger)**
[Oropharyngeal lipoma with osseous metaplasia] Schneider J, et al. **Zentralbl Allg Pathol** 1987;133(3):249–51 (Eng. Abstr.) **(Ger)**
[Myelolipoma of the adrenal gland: description of a clinical case] Lasagna B, et al. **Ann Ital Chir** 1985;57(6):457–65 (Eng. Abstr.) **(Ita)**
[Lipoblastic tumor in young adults: myxoid liposarcoma or benign lipoblastoma? Presentation of a case] Grandi E, et al. **Pathologica** 1986 Mar–Apr;78(1054):269–75 (Eng. Abstr.) **(Ita)**
[Echotomography-computerized tomography integration in the tissue characterization of renal angiomyolipoma] Rossi A, et al. **Radiol Med (Torino)** 1987 Jan–Feb;73(1–2):42–50 (Eng. Abstr.) **(Ita)**
[A case of lipoma of the spermatic cord] Koide T, et al. **Hinyokika Kiyo** 1987 Jan;33(1):133–5 (Eng. Abstr.) **(Jpn)**
[Giant lipoma of the abdominal wall] Szczepanik AB. **Wiad Lek** 1986 Jul 15;39(14):976–8 (Eng. Abstr.) **(Pol)**
[Giant angiomyolipoma of the kidney] Ivanov AA, et al. **Arkh Patol** 1987;49(2):70–3 (Eng. Abstr.) **(Rus)**
[Endobronchial lipoma and cancer in one pulmonary lobe] Shafirovskiĭ BV, et al. **Khirurgiia (Mosk)** 1987 Apr; (4):128–9 **(Rus)**
[Mediastinal lipoma in a child] Milović I, et al. **Srp Arh Celok Lek** 1986 May–Jun;114(5–6):549–53 (Eng. Abstr.) **(Scc)**
[Renal angiomyolipoma at a single site: report of a new case] Domínguez Bravo C, et al. **Arch Esp Urol** 1986 Sep; 39(7):515–9 (Eng. Abstr.) **(Spa)**
[Giant hamartomatous nevus of undescribed complexity (development of an infiltrating malignant melanoma)] Kaplan H, et al. **Med Cutan Ibero Lat Am** 1986;14(6):413–20 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Deep neck lipoma. Johnson JT, et al. **Ann Otol Rhinol Laryngol** 1987 Jul–Aug;96(4):472–3

Adrenal myelolipoma: the impact of modern investigations on the diagnosis and patient management. Lau LS. **Australas Radiol** 1987 Feb;31(1):58–61

Caecal lipomas mimicking colonic angiodysplasia. Hall PA, et al. **Br J Radiol** 1985 Dec;58(696):1213–4

Presacral myelolipoma. Massey GS, et al. **Cancer** 1987 Aug 1;60(3):403–6

Intraneural lipoma of the sciatic nerve. Chiao HC, et al. **Clin Orthop** 1987 Aug;(221):267–71

Computed tomography of intraosseous lipoma of os calcis. Reig–Boix V, et al. **Clin Orthop** 1987 Aug;(221):286–91

Angiomyolipoma of the liver. Blumgart RL, et al. **Clin Radiol** 1987 May;38(3):329–30

Synovial lipoma arborescens of the hip. Noel ER, et al. **Clin Rheumatol** 1987 Mar;6(1):92–6

CT appearance of giant renal angiomyolipoma. Castillo M, et al. **Comput Radiol** 1987 Jan–Feb;11(1):49–52

The value of computerised tomography in the differential diagnosis of lipoma and liposarcoma in the limbs. Baldini N, et al. **Ital J Orthop Traumatol** 1986 Jun;12(2):239–44

Corpus callosal lipoma: report of 2 cases and review of the literature. Hughes DS, et al. **J Am Osteopath Assoc** 1986 Sep;86(9):564–7

Computed tomography of renal angiomyolipoma presenting as right atrial mass. Rothenberg DM, et al. **J Comput Assist Tomogr** 1986 Nov–Dec;10(6):1054–6

Angiomyolipoma and renal cell carcinoma occurring in same kidney: CT evaluation. Ueda J, et al. **J Comput Assist Tomogr** 1987 Mar–Apr;11(2):340–1

Computed tomography of lipoma of corpus callosum and choroid plexus lipoma: report of two cases. Buxi TB, et al. **J Comput Tomogr** 1987 Jan;11(1):57–60

Evaluation of renal angiomyolipoma by traditional and modern imaging in a case of tuberous sclerosis. Hadar H, et al. **J Comput Tomogr** 1987 Jan;11(1):67–72

Computed tomography of infiltrating benign lipoma. Varma DG, et al. **J Comput Tomogr** 1987 Jan;11(1):45–9

Thymolipoma simulating cardiomegaly: diagnostic usefulness of computed tomography. Matsuyama K, et al. **Jpn Circ J** 1986 Sep;50(9):839–42

Lipomatous pseudomass of the breast: diagnosis suggested by discordant palpatory and mammographic findings. Hall FM, et al. **Radiology** 1987 Aug;164(2):463–4

The "cockade" image: a diagnostic sign of calcaneum intraosseous lipoma. Bruni L. **Rays** 1986 Jan–Apr; 11(1):51–4

Computed tomographic findings and clinicopathologic features of intramuscular lipoma. Caprio F, et al. **Rays** 1985 Jan–Apr;10(1):39–42

A case of esophageal lipoma diagnosed by computed tomography. Gandini G, et al. **Rays** 1985 Sep–Dec; 10(3):55–60

Exophytic renal angiomyolipoma. A case report. Vellet AD, et al. **S Afr Med J** 1987 Feb 21;71(4):257–9

Diagnosis and treatment of renal angiomyolipoma. Nurmi MJ, et al. **Scand J Urol Nephrol** 1986;20(4):289–94

Infiltrating angiolipoma with phlebolith formation. De Orchis D, et al. **Skeletal Radiol** 1986;15(6):464–7

Extradural spinal angiolipoma [letter] Russell NA, et al. **Surg Neurol** 1987 Sep;28(3):231

[Myelolipoma of the adrenal glands. Correlation of radiologic and pathologico–anatomic characteristics] Maier W, et al. **ROFO** 1987 Feb;146(2):236–8 **(Ger)**

[Lipoma of the sylvian fissure. Case report] Shiraishi T, et al. **Neurol Med Chir (Tokyo)** 1986 Sep;26(9):718–21 (Eng. Abstr.) **(Jpn)**

[Primary lipoma and angiomyolipoma of the liver diagnosed by CT scan: report of two resected cases] Shima Y, et al. **Rinsho Hoshasen** 1986 Nov;31(12):1457–60 (Eng. Abstr.) **(Jpn)**

[Myelolipoma of the adrenal gland (letter)] Wroclawski ER, et al. **Rev Paul Med** 1985 Nov–Dec;103(6):323 **(Por)**

RADIONUCLIDE IMAGING

Imaging characteristics of large lipoma and angiomyolipoma of the liver. Case reports. Takayasu K, et al. **Cancer** 1987 Mar 1;59(5):916–21

SURGERY

Suction extraction of lipomas. Hallock GG. **Ann Plast Surg** 1987 Jun;18(6):517–9

Intraosseous lipoma of the skull: a report of two cases. Yasuda Y, et al. **Ann Plast Surg** 1987 Jan;18(1):74–80

Recurrent infiltrating lipoma of the head and neck. Case report and literature review. Scherl MP, et al. **Arch Otolaryngol Head Neck Surg** 1986 Nov; 112(11):1210–2

Endoscopic removal of a bronchial lipoma with the Neodymium–YAG laser. Smirniotopoulos TT, et al. **Endoscopy** 1986 Sep;18(5):197–8

Benign solid tumors. Froimson AI. **Hand Clin** 1987 May; 3(2):213–7

Lipofibroma of the median nerve: a report of two cases. Langa V, et al. **J Hand Surg [Br]** 1987 Jun;12(2):221–3

Lipoma of the infundibulum. Case report. Esposito S, et al. **J Neurosurg** 1987 Aug;67(2):304–6

Intraspinal lipomas with spina bifida. Prognosis and treatment in 73 cases. Pierre–Kahn A, et al. **J Neurosurg** 1986 Dec; 65(6):756–61

re The treatment of lipomas by the "squeeze" technique [letter] Harris WG. **J R Coll Surg Edinb** 1986 Aug;31(4):258

Benign pedunculated tumor of the esophagus. van Lanschot JJ, et al. **Neth J Surg** 1987 Jun;39(3):83–5

Lipoma of the tongue [letter] Van Steensel CJ, et al. **Neth J Surg** 1986 Aug;38(4):128

Total excision of spinal lipomas using CO2 laser at low power. Experimental and clinical observations. Maira G, et al. **Neurol Res** 1986 Dec;8(4):225–30

Pedunculated lipoma of the colon: risks of endoscopic removal. Khawaja FI. **South Med J** 1987 Sep;80(9):1176–9

Anterior approach for removal of spinal angiolipoma. A case report. Rivkind A, et al. **Spine** 1986 Jul–Aug;11(6):623–5

Simplified excision of lipomas. Fabri PJ, et al. **Surg Gynecol Obstet** 1987 Aug;165(2):173–4

[Lipoma of the left ventricle. A surgically treated case] Pilichowski P, et al. **Ann Chir** 1987;41(2):85–8 (Eng. Abstr.) **(Fre)**

[A case of hibernoma of the thigh] Bilterys L, et al. **Ann Chir Plast Esthet** 1986;31(3):261–2 (Eng. Abstr.) **(Fre)**

[Lipoma of the colon] Herbault GF, et al. **Ann Gastroenterol Hepatol (Paris)** 1987 Jan–Feb;23(1):11–4 (Eng. Abstr.) **(Fre)**

[Lipoma of the central mediastinum (letter)] Gossot D, et al. **Presse Med** 1986 Sep 27;15(32):1640 **(Fre)**

[The hibernoma—a rare soft tissue tumor] Reuter C, et al. **Chirurg** 1987 Jul;58(7):501–4 **(Ger)**

[Submucosal lipomas of the colon (considerations apropos of 3 clinical cases)] Pandolfi U, et al. **Chir Ital** 1986 Dec; 38(6):632–41 (Eng. Abstr.) **(Ita)**

[A case of submucous lipoma of the cecum] Ferraris R, et al. **Minerva Chir** 1987 Jan 31;42(1–2):97–100 (Eng. Abstr.) **(Ita)**

[Two cases of renal angiomyolipoma] Taki Y, et al. **Hinyokika Kiyo** 1987 Apr;33(4):562–7 (Eng. Abstr.) **(Jpn)**

[Microsurgical removal of intramedullary spinal cord tumors. Report of 14 cases] Yasui T, et al. **Neurol Med Chir (Tokyo)** 1986 Apr;26(4):311–7 (Eng. Abstr.) **(Jpn)**

[Surgery of thymus lipoma accompanied by myasthenia gravis] Iizuka T, et al. **Nippon Naika Gakkai Zasshi** 1986 Dec;75(12):1764–8 **(Jpn)**

[Bronchial lipoma: presentation of a new case (letter)] Sánchez Varilla JM, et al. **Rev Clin Esp** 1987 Apr; 180(7):408–9 **(Spa)**

THERAPY

[Angiomyolipoma of the kidney. Attempt at a therapeutic codification] Montete P. **J Chir (Paris)** 1986 Oct; 123(10):523–34 (Eng. Abstr.) **(Fre)**

[Tuberous sclerosis with hemorrhagic renal angiomyolipoma: superselective embolization of the renal artery using absolute ethanol. Review of the literature] Piñango L, et al. **Actas Urol Esp** 1987 Mar–Apr;11(2):222–7 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Lipoblastomatosis: ultrastructure of two cases and relationship to human fetal white adipose tissue. Gaffney EF, et al. **Pediatr Pathol** 1986;5(2):207–16

Fluctuating flank tumor in a young woman. Burgos E, et al. **Ultrastruct Pathol** 1986;10(5):451–8

VETERINARY

Hepatic nodular myelolipomatosis (myelolipomas) associated with a peritoneo–pericardial diaphragmatic hernia in a cat. Schuh JC. **J Comp Pathol** 1987 Mar;97(2):231–5

Malignant hibernoma in a Fischer 344 rat. Stefanski SA, et al. **Lab Anim Sci** 1987 Jun;37(3):347–50

Spontaneous lipomatous tumors in the kidney of the Crl:CD(SD)BR rat. Gordon LR. **Toxicol Pathol** 1986; 14(2):175–82

LIPOMATOSIS

The multiple manifestations of the encephalocraniocutaneous lipomatosis syndrome. Al–Mefty O, et al. **Childs Nerv Syst** 1987;3(2):132–4

Benign symmetrical lipomatosis. Keller SM, et al. **South Med J** 1986 Nov;79(11):1428–9

[Benign symmetrical lipomatosis of the neck] Dvorski I. **Lijec Vjesn** 1987 Feb–Mar;109(2–3):81–2 (Eng. Abstr.) **(Scr)**

COMPLICATIONS

Diffuse lipomatosis and tuberous sclerosis. Klein JA, et al. **Arch Dermatol** 1986 Nov;122(11):1298–302

[Compressive mediastinal syndrome secondary to symmetric multiple lipomatosis (letter)] López Aldeguer J, et al. **Med Clin (Barc)** 1986 Nov 29;87(18):779–80 **(Spa)**

CONGENITAL

Fishman's syndrome (encephalocraniocutaneous lipomatosis): a field defect of ectomesoderm. Brumback RA, et al. **J Child Neurol** 1987 Jul;2(3):168–9

Encephalocraniocutaneous lipomatosis. Fishman MA. **J Child Neurol** 1987 Jul;2(3):186–93

Bone changes in diffuse congenital lipomatosis. Bollinger B. **Neuroradiology** 1987;29(1):104

DIAGNOSIS

Multiple symmetric lipomatosis: report of two cases and review of the literature. von Kemp K, et al. **Acta Clin Belg** 1986;41(4):255–9

Sonographic findings in pancreatic lipomatosis. So CB, et al. **AJR** 1987 Jul;149(1):67–8

[Cystosis or lipomatosis of the renal sinus?] Merta M, et al. **Cas Lek Cesk** 1986 Oct 17;125(41–42):1291–3 (Eng. Abstr.) **(Cze)**

[Launois–Bensaude multiple symmetrical lipomatosis] Kleiren P. **Rev Med Brux** 1986 Oct;7(8):481–3 (Eng. Abstr.) **(Fre)**

[Tracheobronchial lipomatosis. Apropos of a case] Taviot B, et al. **Rev Pneumol Clin** 1987;43(1):42–5 (Eng. Abstr.) **(Fre)**

[Benign symmetrical lipomatosis with polyneuropathy and mental performance deficits] Rixecker H, et al. **Nervenarzt** 1987 Jul;58(7):443–6 (Eng. Abstr.) **(Ger)**

[Lipomatosis of the ileum (Tedesci syndrome)] Prusov AL, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):120–1 **(Rus)**

[Madelung's syndrome] Akritidis N, et al. **Sov Med** 1986; (9):122–4 **(Rus)**

ETIOLOGY

Spinal epidural lipomatosis: report of a case secondary to hypothyroidism and review of literature. Toshniwal PK, et al. **J Neurol** 1987 Apr;234(3):172–6

[Benign symmetrical lipomatosis or Madelung's disease] Suter M, et al. **Rev Med Suisse Romande** 1986 Sep;106(9):781–6 **(Fre)**

[Multiple symmetrical lipomatosis associated with hepatic cirrhosis and alcoholism. An etiopathological relation? (letter)] Simó M, et al. **Med Clin (Barc)** 1986 Nov 8; 87(15):649–50 **(Spa)**

FAMILIAL & GENETIC

Encephalocraniocutaneous lipomatosis and Proteus syndrome. Wiedemann HR, et al. **Am J Med Genet** 1986 Oct;25(2):403–4

[Bannayan syndrome with intracranial arteriovenous malformations] Palencia R, et al. **An Esp Pediatr** 1986 Dec; 25(6):462–6 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Lipomatous lesions of the thyroid gland: a review. Schröder S, et al. **Appl Pathol** 1985;3(3):140–9

Endomyocardial diagnosis of cardiac lipomatosis. Cladellas M, et al. **Cathet Cardiovasc Diagn** 1987 Jul–Aug; 13(4):269–70

[Madelung's lipomatosis of the neck—expression of an alcohol–induced endocrine disorder?] Knöbber D, et al. **HNO** 1986 Nov;34(11):474–6 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

CT findings in lipomatosis of the gallbladder. Miyake H, et al. **J Comput Assist Tomogr** 1987 Jan–Feb;11(1):165–6

Epidural lipomatosis with lumbar radiculopathy: CT appearance. Randall BC, et al. **J Comput Assist Tomogr** 1986 Nov–Dec;10(6):1039–41

Paraspinal lipomatosis: a benign mass. Glickstein MF, et al. **Radiology** 1987 Apr;163(1):79–80

SURGERY

Suction extraction of lipomas. Hallock GG. **Ann Plast Surg** 1987 Jun;18(6):517–9

[Launois–Bensaude disease. Treatment with wide transverse cervicotomy] Bonnichon P, et al. **Presse Med** 1986 Dec 20;15(45):2247–9 (Eng. Abstr.) **(Fre)**

LIPOMATOSIS, MULTIPLE SYMMETRICAL see under **LIPOMATOSIS**

LIPOMUCOPOLYSACCHARIDOSIS see **MUCOLIPIDOSIS**

LIPOPOLYSACCHARIDES

Structure of the O–chain of the lipopolysaccharide of Haemophilus pleuropneumoniae serotype 1. Altman E, et al. **Biochem Cell Biol** 1986 Dec;64(12):1317–25

Structure of the lipopolysaccharide O–chain of Yersinia enterocolitica serotype O:5,27. Perry MB, et al. **Biochem Cell Biol** 1987 Jan;65(1):1–7

Induction of tumoricidal activity in isolated rat liver macrophages by liposomes containing recombinant rat gamma–interferon supplemented with lipopolysaccharide or muramyldipeptide. Stukart MJ, et al. **Cancer Res** 1987 Jul 15;47(14):3880–5

Study by X–ray diffraction of the geometrical shape of glycoprotein sugar chains in two model glycoconjugates, a liposaccharide and a phospholiposaccharide, having the same sugar chain. Gallot B, et al. **Carbohydr Res** 1986 Jul 1;149(2):309–18

Synthesis of 3,6–dideoxy–3–(methylamino)hexoses for g.l.c.–m.s. identification of Rhizobium lipopolysaccharide components. Hollingsworth RI, et al. **Carbohydr Res** 1986 Oct 15;154:103–13

Structural studies of the O-specific side-chains of the Escherichia coli O2 lipopolysaccharide. Jansson PE, et al. **Carbohydr Res** 1987 Apr 1;161(2):273–9

The structure of the antigenic lipopolysaccharide O-chains produced by Salmonella urbana and Salmonella godesberg. Perry MB, et al. **Carbohydr Res** 1986 Nov 15;156:107–22

Methylation analysis of the heptose/3-deoxy-D-manno-2-octulosonic acid region (inner core) of the lipopolysaccharide from Salmonella minnesota rough mutants. Tacken A, et al. **Carbohydr Res** 1986 Jul 1;149(2):279–91

Pyrogens fail to produce fever in the leopard tortoise Geochelone pardalis. Zurovsky Y, et al. **Comp Biochem Physiol [A]** 1987;87(2):467–9

Somatic antigens of Pseudomonas aeruginosa. The structure of O-specific polysaccharide chains of the lipopolysaccharides from P. aeruginosa II (Sandvik) and V (IM-1, Verder-Evans). Knirel YA, et al. **Eur J Biochem** 1987 Jul 1;166(1):189–97

Core region of Citrobacter lipopolysaccharide from strain PCM 1487. Structure elucidation by two-dimensional 1H-NMR spectroscopy at 500 MHz and methylation analysis/mass spectrometry. Romanowska E, et al. **Eur J Biochem** 1986 Dec 15;161(3):557–64

Structure determination of the O-specific polysaccharides from Citrobacter O4- and O27-lipopolysaccharides by methylation analysis and one- and two-dimensional 1H-NMR spectroscopy. Romanowska E, et al. **FEBS Lett** 1987 Jan 26;211(2):175–8

Neutron scattering analysis of bacterial lipopolysaccharide phase structure. Changes at high pH. Hayter JB, et al. **J Biol Chem** 1987 Apr 15;262(11):5100–5

Immunochemical and partial chemical characterization of fractions of membrane-bound smooth lipopolysaccharide-protein complex from Brucella abortus. Wu AM, et al. **Mol Cell Biochem** 1987 Jun;75(2):93–102

The role of lipid peroxidation in endotoxin-induced hepatic damage and the protective effect of antioxidants. Sugino K, et al. **Surgery** 1987 Jun;101(6):746–52

ADMINISTRATION & DOSAGE

Differentiation therapy of a myelomonocytic leukemia (c-WRT-7) in rats by injection of lipopolysaccharide and daunomycin. Fujii Y, et al. **Cancer Res** 1987 Mar 15; 47(6):1668–73

The dose response of granulocyte-macrophage colony stimulating activity (GM-CSA) for sera of "Swiss" mice after endotoxin "lipopolysaccharide B" Escherichia coli (0127: B8) intraperitoneal administration. Chrostek ME, et al. **Folia Haematol (Leipz)** 1987;114(1):78–83

Interleukin 1 release by human monocytes treated with liposome-encapsulated lipopolysaccharide. Bakouche O, et al. **J Immunol** 1987 Aug 15;139(4):1120–6

Induction of colony-stimulating activity (CSA) by a synthetic muramyl peptide (MDP): synergism with LPS and activity in C3H/HeJ mice and in endotoxin-tolerized mice. Galelli A, et al. **J Immunol** 1986 Nov 15; 137(10):3211–5

ANALYSIS

Relationship of biological activities to structures of Brucella abortus endotoxin and LPS. Berman DT, et al. **Ann Inst Pasteur Microbiol** 1987 Jan-Feb;138(1):98–101

The lipopolysaccharides of Brucella abortus and B. melitensis. Bundle DR, et al. **Ann Inst Pasteur Microbiol** 1987 Jan-Feb;138(1):92–8

Evidence of heterogeneity of lipopolysaccharides among Brucella biovars in relation to A and M specificities. Dubray G, et al. **Ann Inst Pasteur Microbiol** 1987 Jan-Feb; 138(1):27–37

Immunoassay of Brucella lipopolysaccharide-derived antigen in plasma: a new method of diagnosis. Limet JN. **Ann Inst Pasteur Microbiol** 1987 Jan-Feb;138(1):126–30

Brucella lipopolysaccharides and polysaccharides. Moreno E, et al. **Ann Inst Pasteur Microbiol** 1987 Jan-Feb; 138(1):102–5 (13 ref.)

Distribution of porin and lipopolysaccharide antigens on a Pseudomonas aeruginosa permeability mutant. Godfrey AJ, et al. **Antimicrob Agents Chemother** 1986 Nov;30(5):802–5

Alterations in lipopolysaccharide produced by chemostat-grown Escherichia coli O157:H7 as a function of growth rate and growth-limiting nutrient. Dodds KL, et al. **Can J Microbiol** 1987 May;33(5):452–8

Reversible binding of Salmonella typhimurium lipopolysaccharides by immobilized protamine. Helander IM, et al. **Eur J Biochem** 1987 Feb 16;163(1):51–5

Studies on the chemical structure of the core-lipid A region of the lipopolysaccharide of Acinetobacter calcoaceticus NCTC 10305. Detection of a new 2-octulosonic acid interlinking the core oligosaccharide and lipid A component. Kawahara K, et al. **Eur J Biochem** 1987 Mar 16;163(3):489–95

Somatic antigens of Pseudomonas aeruginosa. The structure of O-specific polysaccharide chains of the lipopolysaccharides from P. aeruginosa O5 (Lányi) and immunotype 6 (Fisher). Knirel YA, et al. **Eur J Biochem** 1987 Mar 16;163(3):639–52

Somatic antigens of Pseudomonas aeruginosa. The structure of the O-specific polysaccharide chain of the lipopolysaccharide from P. aeruginosa O13 (Lányi). Knirel YA, et al. **Eur J Biochem** 1987 Mar 16;163(3):627–37

Investigations into the polymorphism of lipid A from lipopolysaccharides of Escherichia coli and Salmonella minnesota by Fourier-transform infrared spectroscopy. Naumann D, et al. **Eur J Biochem** 1987 Apr 1;164(1):159–69

Characterization of a polysaccharide component of lipopolysaccharide from Pseudomonas aeruginosa IID 1008 (ATCC 27584) as D-rhamnan. Yokota S, et al. **Eur J Biochem** 1987 Sep 1;167(2):203–9

The structure of the lipopolysaccharide O-chain (M antigen) and polysaccharide B produced by Brucella melitensis 16M. Bundle DR, et al. **FEBS Lett** 1987 Jun 1;216(2):261–4

Deficiency of peptidoglycan and lipopolysaccharide components in Rickettsia tsutsugamushi. Amano K, et al. **Infect Immun** 1987 Sep;55(9):2290–2

Physical heterogeneity of neisserial lipooligosaccharides reflects oligosaccharides that differ in apparent molecular weight, chemical composition, and antigenic expression. Griffiss JM, et al. **Infect Immun** 1987 Aug;55(8):1792–800

Absence of lipopolysaccharide in the Lyme disease spirochete, Borrelia burgdorferi. Takayama K, et al. **Infect Immun** 1987 Sep;55(9):2311–3

Lipopolysaccharides of Pseudomonas spp. that stimulate plant growth: composition and use for strain identification. de Weger LA, et al. **J Bacteriol** 1987 Apr;169(4):1441–6

Lipopolysaccharide size and distribution determine serum resistance in Salmonella montevideo [published erratum appears in J Bacteriol 1987 Jun;169(6):2911] Grossman N, et al. **J Bacteriol** 1987 Feb;169(2):856–63

Characterization and virulence properties of Erwinia chrysanthemi lipopolysaccharide-defective, phi EC2-resistant mutants. Schoonejans E, et al. **J Bacteriol** 1987 Sep;169(9):4011–7

Chlamydial hemagglutinin identified as lipopolysaccharide. Watkins NG, et al. **J Bacteriol** 1987 Aug;169(8):3826–8

Monosaccharide composition of lipopolysaccharides from Campylobacter jejuni and Campylobacter coli. Beer W, et al. **J Basic Microbiol** 1986;26(4):201–4

Quantification of 2-keto-3-deoxyoctonate in (lipo)polysaccharides by methanolytic release, trifluoroacetylation and capillary gas chromatography. Bryn K, et al. **J Chromatogr** 1986 Nov 26;370(1):103–12

The distribution of bacterial lipopolysaccharide (endotoxin) in relation to periodontally involved root surfaces. Moore J, et al. **J Clin Periodontol** 1986 Sep;13(8):748–51

Identity of limulus amoebocyte lysate-active root surface materials from periodontally involved teeth. Wilson M, et al. **J Clin Periodontol** 1986 Sep;13(8):743–7

Quality assessment of pasteurized fluid milk as related to lipopolysaccharide content. Bishop JR, et al. **J Dairy Sci** 1986 Dec;69(12):3002–4

Heterogeneity of lipopolysaccharide banding patterns in Leptospira spp. Cinco M, et al. **J Gen Microbiol** 1986 Apr; 132 (Pt 4):1135–8

Isolation and characterization of an O-methylglucose-containing lipopolysaccharide produced by Nocardia otitidis-caviarum. Pommier MT, et al. **J Gen Microbiol** 1986 Sep;132 (Pt 9):2433–41

Properties of free and bound Citrobacter freundii lipopolysaccharides. Bartková G, et al. **J Hyg Epidemiol Microbiol Immunol** 1986;30(4):455–63

Chemical composition and immunobiological properties of lipopolysaccharide and lipid-associated proteoglycan from Actinobacillus actinomycetemcomitans. Nishihara T, et al. **J Periodont Res** 1986 Sep;21(5):521–30

The concentration of lipopolysaccharide on individual root surfaces at varying times following in vivo root planing. McCoy SA, et al. **J Periodontol** 1987 Jun;58(6):393–9

In vitro hexagonal assembly of lipopolysaccharide of Escherichia coli K-12. Kato N, et al. **Microbiol Immunol** 1986;30(11):1105–13

Staining of O-specific polysaccharide chains of lipopolysaccharides with ruthenium red. Kuno T, et al. **Microbiol Immunol** 1986;30(8):743–51

Staining of the O-specific polysaccharide chains of lipopolysaccharides with alkaline bismuth. Kuno T, et al. **Microbiol Immunol** 1986;30(11):1207–11

More on pathogenic mechanisms of Aeromonas-related diarrhea [letter] Fumarola D, et al. **Pediatr Infect Dis** 1986 Sep-Oct;5(5):607

A comparison of two quantitative assays for bacterial lipopolysaccharides. Munford RS, et al. **Prog Clin Biol Res** 1987;231:93–102

Decreased lipopolysaccharide content and enhanced susceptibility of leptospiras to serum leptospiricidal action and phagocytosis after treatment with diphenylamine. Isogai E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Nov;262(4):438–47

[The heptose region of lipopolysaccharides of Pasteurella multocida] Erler W, et al. **J Basic Microbiol** 1986; 26(7):383–7 (Eng. Abstr.) **(Ger)**

[The structure of O-specific polysaccharide chain of Pseudomonas fluorescens lipopolysaccharide] Khomenko VA, et al. **Bioorg Khim** 1986 Dec;12(12):1641–8 (Eng. Abstr.) **(Rus)**

[The structure of O-specific polysaccharide of Pseudomonas aeruginosa immunotype 3; revision of the structure of acetoamidine derivative of 2,3-diamino-2,3-dideoxy-D-mannuronic acid] Knirel' IuA, et al. **Bioorg Khim** 1986 Jul;12(7):995–7 (Eng. Abstr.) **(Rus)**

[Identification of 3-acetamidino-2-acetamido-2,3-dideoxy-L-guluronic acid in lipopolysaccharide from Pseudomonas aeruginosa immunotype 7] Knirel' IuA, et al. **Bioorg Khim** 1986 Jul; 12(7):992–4 (Eng. Abstr.) **(Rus)**

[The structure of O-specific polysaccharide from Pseudomonas aeruginosa 013 containing 5,7-diacetoamido-3,5,7,9-tetradeoxy-D-glycero-L-galacto-nonulosonic acid and 2-acetamidino-2,6-dideoxy-L-galactose] Knirel' IuA, et al. **Bioorg Khim** 1986 Jun;12(6):848–51 (Eng. Abstr.) **(Rus)**

[Antigenic polysaccharides of bacteria. 16. The structure of O-specific polysaccharide chain of Pseudomonas aeruginosa 025 (Wokatsch) lipopolysaccharide] Knirel' IuA, et al. **Bioorg Khim** 1986 Sep;12(9):1263–7 (Eng. Abstr.) **(Rus)**

[Antigenic polysaccharides of bacteria. 17. The structure of O-specific polysaccharide chain of Pseudomonas aeruginosa X (Meitert) lipopolysaccharide] Knirel' IUA, et al. **Bioorg Khim** 1986 Sep;12(9):1268–73 (Eng. Abstr.) **(Rus)**

[Antigenic polysaccharides of bacteria. 19. The structure of the O-specific polysaccharide chain of Alcaligenes faecalis lipopolysaccharide] Knirel' IuA, et al. **Bioorg Khim** 1986 Nov;12(11):1530–9 (Eng. Abstr.) **(Rus)**

[Bacterial antigenic polysaccharides. 20. The structure of the O-specific polysaccharide chain of Pseudomonas aeruginosa O(3a),3d,3f (Lányi) lipopolysaccharide] Knirel' IuA, et al. **Bioorg Khim** 1986 Dec;12(12):1649–57 (Eng. Abstr.) **(Rus)**

[Structure of O-specific polysaccharide chains of Pseudomonas aeruginosa II (Sandwick) and V (Verder-Evans) lipopolysaccharides containing N-acetyl-D-galactosaminuronic acid] Knirel' IuA, et al. **Bioorg Khim** 1986 Oct;12(10):1422–4 (Eng. Abstr.) **(Rus)**

[Experimental and theoretical conformation analysis of the O-antigenic polysaccharide from Pseudomonas cepacia strain 3181. II. The polysaccharide] Lipkind GM, et al. **Bioorg Khim** 1986 Jun;12(6):780–8 (Eng. Abstr.) **(Rus)**

[Experimental and theoretical conformation analysis of the O-antigenic polysaccharide from Pseudomonas cepacia strain 3181. I. Disaccharide links] Lipkind GM, et al. **Bioorg Khim** 1986 Jun;12(6):771–9 (Eng. Abstr.) **(Rus)**

[Physico-chemical properties and heterogeneity of Alcaligenes faecalis polysaccharide] Zdorovenko GM, et al. **Bioorg Khim** 1986 Nov;12(11):1540–8 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Inhibition by gangliosides of the specific binding of lipopolysaccharide (LPS) to human monocytes prevents LPS-induced interleukin-1 production. Cavaillon JM, et al. **Cell Immunol** 1987 May;106(2):293–303

Polymyxin-B inhibition of LPS-induced interleukin-1 secretion by human monocytes is dependent upon the LPS origin. Cavaillon JM, et al. **Mol Immunol** 1986 Sep; 23(9):965–9

Dexamethasone pre-treatment is antipyretic toward polyinosinic: polycytidylic acid, lipopolysaccharide and interleukin 1/endogenous pyrogen. Abul H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Mar; 335(3):305–9

Inhibition of lipopolysaccharide-mediated activation of neutrophils with monosaccharide derivatives of lipid A. Lam C, et al. **Prog Clin Biol Res** 1987;236A:427–35

Pertussis toxin inhibition of B cell and macrophage responses to bacterial lipopolysaccharide. Jakway JP, et al. **Science** 1986 Nov 7;234(4777):743–6

BIOSYNTHESIS

Effect of a diazaborine derivative (Sa 84.474) on the virulence of Escherichia coli. Lam C, et al. **J Antimicrob Chemother** 1987 Jul;20(1):37–45

Biosynthesis of the mycobacterial O-methylglucose lipopolysaccharide. Characterization of putative intermediates in the initiation, elongation, and termination reactions. Kamisango K, et al. **J Biol Chem** 1987 Apr 5; 262(10):4580–6

A spontaneously produced lipopolysaccharide biosynthetic defect which causes both pleiotropic phage resistance and mucoid colony morphology in Salmonella anatum. McConnell MR, et al. **Microbios** 1986;48(196–197):135–58

Antibacterial agents specifically inhibiting lipopolysaccharide synthesis. Goldman R, et al. **Nature** 1987 Sep 10–16; 329(6135):162–4

A new class of synthetic antibacterials acting on lipopolysaccharide biosynthesis. Hammond SM, et al. **Nature** 1987 Jun 25–Jul 1;327(6124):730–2

BLOOD

Effect of corticosteroid prophylaxis on lipopolysaccharide levels associated with intestinal ischemia in cats. Gaffin SL, et al. **Crit Care Med** 1986 Oct;14(10):889–91

Endotoxemia associated with cardiopulmonary bypass. Rocke DA, et al. **J Thorac Cardiovasc Surg** 1987 Jun; 93(6):832–7

Endotoxin inactivation by the humoral components in the tolerant rat serum. Yamaguchi Y, et al. **Toxicology** 1987 Sep;45(3):257–68

CHEMICAL SYNTHESIS

Total synthesis of chain-length-uniform dolichyl phosphates and their fitness to accept hexoses in the enzymatic formation of lipoglycans. Jaenicke L, et al. **Biol Chem Hoppe Seyler** 1986 Aug;367(8):787–95

Synthesis of the tetrasaccharide repeating-unit of the lipopolysaccharide isolated from Pseudomonas maltophilia. Lipták A, et al. **Carbohydr Res** 1986 Aug 1;150:187–97

GENETICS

Susceptibility of lipopolysaccharide-defective mutants of Pseudomonas aeruginosa strain PAO to dyes, detergents, and antibiotics. Kropinski AM, et al. **Antimicrob Agents Chemother** 1978 Mar;13(3):494–9

Chemical and serological investigations on the genus-specific lipopolysaccharide epitope of Chlamydia. Brade H, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2508–12

IMMUNOLOGY

Comparison of adjuvanticity and autoantibody inducing capacity of endotoxin and radio-detoxified endotoxin in mice. Klimovich VB, et al. **Acta Microbiol Hung** 1986; 33(4):311–5

Anti-lipopolysaccharide antibodies measured by enzyme-immunoassay in Danish blood donors. Fomsgaard A, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1987 Feb;95(1):9–13

Monoclonal antibodies reacting selectively with core and O-polysaccharide of Yersinia enterocolitica O:3 lipopolysaccharide. Pekkola-Heino K, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1987 Feb; 95(1):27–34

Transmembrane signaling reactions generated in B cells in response to anti-IgM or lipopolysaccharide. DeFranco AL. **Adv Exp Med Biol** 1987;213:189–93

Mortality in swine herds endemically infected with Haemophilus pleuropneumoniae: effect of immunization with cross-reacting lipopolysaccharide core antigens of Escherichia coli. Fenwick BW, et al. **Am J Vet Res** 1986 Sep;47(9):1888–91

Hypoxia-induced endotoxemia in primates: role of reticuloendothelial system function and anti-lipopolysaccharide plasma. Gaffin SL, et al. **Aviat Space Environ Med** 1986 Nov;57(11):1044–9

Anti-lipopolysaccharide toxin therapy for whole body X-irradiation overdose. Gaffin SL, et al. **Br J Radiol** 1985 Sep;58(693):881–4

Lack of protection against ascending Escherichia coli pyelonephritis in diabetic rats following immunization with purified lipopolysaccharide. Bryan LE, et al. **Can J Microbiol** 1986 Dec;32(12):967–9

The effect of removal of D-fructose on the antigenicity of the lipopolysaccharide from a rough mutant of Vibrio cholerae Ogawa. Kaca W, et al. **Carbohydr Res** 1986 Jul 1;149(2):293–8

Increased activation of antigen-primed or memory B cells by bacterial lipopolysaccharide. Fauntleroy MB, et al. **Cell Immunol** 1987 Jul;107(2):263–72

Monoclonal antibody against bacterial lipopolysaccharide cross-reacts with DNA-histone. Sumazaki R, et al. **Clin Exp Immunol** 1986 Oct;66(1):103–10

Immunomodifiers of bacterial origin. Le Garrec Y. **Comp Immunol Microbiol Infect Dis** 1986;9(2-3):137–41

Enzyme immunoassay for the quantitation of immunoglobulin M class antibodies to Salmonella minnesota R595 and Escherichia coli J5 lipopolysaccharides. Vanesian MA, et al. **Diagn Microbiol Infect Dis** 1987 Jan;6(1):11–25

Interleukin-HP1-related hybridoma and plasmacytoma growth factors induced by lipopolysaccharide in vivo. Coulie PG, et al. **Eur J Immunol** 1987 Aug;17(8):1217–20

Effect of lipopolysaccharide on intracellular killing of Leishmania enriettii and correlation with macrophage oxidative metabolism. Mauël J, et al. **Eur J Immunol** 1987 Feb;17(2):203–8

Synthetic sulpholipopolysaccharides: novel adjuvants for humoral immune responses. Hilgers LA, et al. **Immunology** 1987 Jan;60(1):141–6

Contribution of the mannan O side-chains to the adjuvant action of lipopolysaccharides. Ohta M, et al. **Immunology** 1987 Apr;60(4):503–7

Phenotypic variation in epitope expression of the Neisseria gonorrhoeae lipooligosaccharide. Apicella MA, et al. **Infect Immun** 1987 Aug;55(8):1755–61

Use of synthetic antigens to determine the epitope specificities of monoclonal antibodies against the 3-deoxy-D-manno-octulosonate region of bacterial lipopolysaccharide. Brade L, et al. **Infect Immun** 1987 Feb; 55(2):462–6

Antigenic and immunogenic properties of recombinants from Salmonella typhimurium and Salmonella minnesota rough mutants expressing in their lipopolysaccharide a genus-specific chlamydial epitope. Brade L, et al. **Infect Immun** 1987 Feb;55(2):482–6

Antigenic diversity of lipooligosaccharides of nontypable Haemophilus influenzae. Campagnari AA, et al. **Infect Immun** 1987 Apr;55(4):882–7

Monoclonal antibodies specific for Shigella flexneri lipopolysaccharides: clones binding to type IV, V, and VI antigens, group 3,4 antigen, and an epitope common to all Shigella flexneri and Shigella dysenteriae type 1 stains. Carlin NI, et al. **Infect Immun** 1987 Jun;55(6):1412–20

An early response to lipopolysaccharide is the elicitation of macrophages specialized for antigen degradation with negative regulatory effects on the induction of specific immune responses. Cluff CW, et al. **Infect Immun** 1987 Jun; 55(6):1346–54

Immune responses to the lipopolysaccharides and capsular polysaccharides of Haemophilus pleuropneumoniae in convalescent and immunized pigs. Fenwick BW, et al. **Infect Immun** 1986 Nov;54(2):575–82

Conservation of epitopes in the oligosaccharide portion of the lipooligosaccharide of Haemophilus influenzae type b. Gulig PA, et al. **Infect Immun** 1987 Mar;55(3):513–20

Cross-reactions of lipopolysaccharides of Pseudomonas aeruginosa in antipneumococcal and other antisera. Heidelberger M, et al. **Infect Immun** 1986 Dec;54(3):928–30

Protection of C3H/HeJ mice from lethal Salmonella typhimurium LT2 infection by immunization with lipopolysaccharide-lipid A-associated protein complexes. Killion JW, et al. **Infect Immun** 1986 Oct;54(1):1–8

Influence of endotoxin-protein in immunoglobulin G isotype responses of mice to Brucella abortus lipopolysaccharide. Kurtz RS, et al. **Infect Immun** 1986 Dec;54(3):728–34

Antigenic and physical diversity of Neisseria gonorrhoeae lipooligosaccharides. Mandrell R, et al. **Infect Immun** 1986 Oct;54(1):63–9

Structural and antigenic properties of lipopolysaccharides from serotype reference strains of Campylobacter jejuni. Preston MA, et al. **Infect Immun** 1987 Aug;55(8):1806–12

Stability of expression of Neisseria gonorrhoeae lipooligosaccharides. Schneider H, et al. **Infect Immun** 1986 Dec;54(3):924–7

Role of capsule and O antigen in resistance of Klebsiella pneumoniae to serum bactericidal activity. Tomás JM, et al. **Infect Immun** 1986 Oct;54(1):85–9

Immunotype epitopes of Neisseria meningitidis lipooligosaccharide types 1 through 8. Tsai CM, et al. **Infect Immun** 1987 Jul;55(7):1652–6

A murine monoclonal antibody specific for the outer core oligosaccharide of Salmonella lipopolysaccharide. Tsang RS, et al. **Infect Immun** 1987 Jan;55(1):211–6

Endotoxin neutralization with rabbit antisera to Escherichia coli J5 and other gram-negative bacteria. Warren HS, et al. **Infect Immun** 1987 Jul;55(7):1668–73

Definition of the surface antigens of Mycobacterium malmoense and use in studying the etiology of a form of mycobacteriosis. McNeil M, et al. **J Bacteriol** 1987 Jul; 169(7):3312–20

Specificity of antibodies against Neisseria gonorrhoeae that stimulate neutrophil chemotaxis. Role of antibodies directed against lipooligosaccharides. Densen P, et al. **J Clin Invest** 1987 Jul;80(1):78–87

Human monoclonal antibodies that recognize conserved epitopes in the core-lipid A region of lipopolysaccharides. Pollack M, et al. **J Clin Invest** 1987 May;79(5):1421–30

Administration in vivo of recombinant interleukin 2 protects mice against septic death. Weyand C, et al. **J Clin Invest** 1987 Jun;79(6):1756–63

Precipitating antibody against lipopolysaccharide of Haemophilus actinomycetemcomitans in human serum. Okuda K, et al. **J Clin Microbiol** 1986 Nov;24(5):846–8

Role of interleukin-1 in augmenting serum neutralization of bacterial lipopolysaccharide. Riveau GR, et al. **J Clin Microbiol** 1987 May;25(5):889–92

Lipopolysaccharide alteration is associated with induced resistance of Neisseria gonorrhoeae to killing by human serum. Tan EL, et al. **J Gen Microbiol** 1986 May;132 (Pt 5):1407–13

Immunoprotective murine monoclonal antibodies specific for the outer-core polysaccharide and for the O-antigen of Escherichia coli 0111:B4 lipopolysaccharide (LPS). Coughlin RT, et al. **J Immunol** 1987 Jul 15;139(2):557–61

Correlation between the lipopolysaccharide response of mice and the capacity of mouse peritoneal cells to transfer an antiviral state. Role of endogenous interferon. Gessani S, et al. **J Immunol** 1987 Sep 15;139(6):1991–8

Passive transfer of Leishmania lipopolysaccharide confers parasite survival in macrophages. Handman E, et al. **J Immunol** 1986 Dec 1;137(11):3608–13

C3b generation is affected by the structure of the O-antigen polysaccharide in lipopolysaccharide from salmonellae. Jimenez-Lucho VE, et al. **J Immunol** 1987 Aug 15; 139(4):1253–9

Characterization and diagnostic application of a lipopolysaccharide core oligosaccharide-protein conjugate. Lugowski C, et al. **J Immunol Methods** 1986 Dec 24; 95(2):187–94

Immunity to Haemophilus influenzae type b in young adults: correlation of bactericidal and opsonizing activity of serum with antibody to polyribosylribitol phosphate and lipooligosaccharide before and after vaccination. Musher D, et al. **J Infect Dis** 1986 Dec;154(6):935–43

Immune response to Haemophilus influenzae type b lipooligosaccharide in infants with Haemophilus meningitis. Patrick CC, et al. **J Infect Dis** 1987 Sep;156(3):516–20

Immunochemical specificity of cross-reactive antibodies to lipopolysaccharide from Escherichia coli J5 [letter] Schwartzer TA, et al. **J Infect Dis** 1987 May;155(5):1076

Opsonic monoclonal antibodies against lipopolysaccharide antigens of Leptospira interrogans serovar hardjo. Farrelly HE, et al. **J Med Microbiol** 1987 Feb;23(1):1–7

A monoclonal antibody reacting with a determinant on leptospiral lipopolysaccharide protects guinea pigs against leptospirosis. Jost BH, et al. **J Med Microbiol** 1986 Nov; 22(3):269–75

Preparation and immunogenicity of a bivalent cell-surface protein-polysaccharide conjugate of Vibrio cholerae. Kabir S. **J Med Microbiol** 1987 Feb;23(1):9–18

Economic benefit of anti-endotoxin therapy in veterinary practice [letter] Wessels BC, et al. **J S Afr Vet Assoc** 1986 Mar;57(1):73

Dietary lipopolysaccharides as arthritogenic antigen? [letter] Inglis TJ. **Lancet** 1987 Jan 31;1(8527):274

Radiation induced gram negative bacteremia and endotoxemia in rabbits: modification by anti-lipopolysaccharide hyperimmune equine plasma. Wells MT, et al. **Life Sci** 1987 Jun 29;40(26):2543–50

Stimulation of macrophages and antitumor activity of radiodetoxified endotoxin. Nerkar DP, et al. **Microbiol Immunol** 1986;30(9):893–901

Structural and immunochemical characterization of the O-haptens of Brucella abortus lipopolysaccharides from strains 19 and 2308. Wu AM, et al. **Mol Cell Biochem** 1987 Jun;75(2):103–11

Immunogenicity and adjuvanticity of lipopolysaccharide from Legionella pneumophila. Friedman H, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):191–6

Biological activity of lipopolysaccharides from oral Selenomonas. Hofstad T, et al. **Scand J Dent Res** 1986 Dec; 94(6):515–20

Antibodies against lipopolysaccharide from Bacteroides gingivalis before and after periodontal treatment. Schenck K, et al. **Scand J Dent Res** 1987 Apr;95(2):112–8

Characterization of the common immunodominant antigenic determinant in the lipopolysaccharide of Bacteroides fragilis by a monoclonal antibody. Linko L, et al. **Scand J Immunol** 1987 May;25(5):469–75

Vibriocidal antibody and antibodies to Vibrio cholerae lipopolysaccharide, cell-bound haemagglutinin and toxin in Thai population. Chongsa-nguan M, et al. **Southeast Asian J Trop Med Public Health** 1986 Dec; 17(4):558–66

Molecular size affects antigenicity of type III, group B Streptococcus capsular polysaccharide. Wessels MR, et al. **Trans Assoc Am Physicians** 1985;98:384–91

O-polysaccharide-protein conjugates induce high levels of specific antibodies to Pseudomonas aeruginosa immunotype 3 lipopolysaccharide. van de Wiel PA, et al. **Vaccine** 1987 Mar;5(1):33–8

Specific and nonspecific protection of mice by Pseudomonas aeruginosa lipopolysaccharides. Marx A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Apr; 264(1-2):154–62

[Antibodies to lipoid A in the treatment of septic shock] Jaspers L, et al. **Infection** 1987 Mar-Apr;15(2):146–52 (Eng. Abstr.) **(Ger)**

[Lipoid A antibody titer in the human] Marget W. **Infection** 1987 Mar-Apr;15(2):142–5 (Eng. Abstr.) **(Ger)**

[Lipopolysaccharides, endotoxins and O-antigens of gram-negative bacteria: chemical structure, biologic effect and serologic properties] Rietschel ET, et al. **Infection** 1987 Mar-Apr;15(2):133–41 **(Ger)**

[Lipopolysaccharides, endotoxins and O-antigens of gram-negative bacteria: chemical structure, biologic effect and serologic properties] Rietschel ET, et al. **Infection** 1987; 15 Suppl 2:S76–84 **(Ger)**

[Antigenic polysaccharides of bacteria. 21. The structure of O-specific polysaccharide chains and serological specificity of lipopolysaccharides from 7 Pseudomonas aeruginosa immunotypes] Knirel' IuA, et al. **Bioorg Khim** 1987 Jan; 13(1):88–96 (Eng. Abstr.) **(Rus)**

[Antigenic polysaccharides of bacteria. 18. Structure of O-specific polysaccharide chains of Pseudomonas aeruginosa 05 (Lányi) lipopolysaccharide] Knirel' IuA, et al. **Bioorg Khim** 1986 Oct;12(10):1384–90 (Eng. Abstr.) **(Rus)**

[Antigenic determinants of bacteria. The structure of the repeating unit of a specific polysaccharide from Shigella boydii type 7] L'vov VL, et al. **Bioorg Khim** 1987 Feb; 13(2):223–33 (Eng. Abstr.) **(Rus)**

[Antigenic polysaccharides of bacteria. 22. Structure of the O-specific polysaccharide chain of Proteus hauseri lipopolysaccharide] Vinogradov EV, et al. **Bioorg Khim** 1987 May;13(5):660–9 (Eng. Abstr.) **(Rus)**

[Parallelism between the kinetics of cross-reaction responses (anti-TNP and anti-DNP) and differences from the anti-LPS response when challenged with TNP-LPS immunization] Tuset N, et al. **Allergol Immunopathol (Madr)** 1986 Nov-Dec;14(6):489–97 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

A method for purification of bacterial R-type lipopolysaccharides (lipooligosaccharides). Wu LH, et al. **Anal Biochem** 1987 Feb 1;160(2):281–9

Lipopolysaccharides of flagellated and non-flagellated Proteus vulgaris strains. Sidorczyk Z, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(4):461–9

Pseudomonas diminuta LPS with a new endotoxic lipid A structure. Kasai N, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):972–8

Structural studies of the O-specific side-chains of the Escherichia coli O 10 lipopolysaccharide. Kenne L, et al. **Carbohydr Res** 1986 Aug 15;151:349–58

The structure of the

heptose-3-deoxy-D-mannooctulosonic-acid region in a mutant form of Aeromonas salmonicida lipopolysaccharide. Shaw DH, et al. **Eur J Biochem** 1986 Dec 1;161(2):309–13

Isolation of lipopolysaccharide of Coxiella burnetii & some of its effects on guineapigs. Joshi MV, et al. **Indian J Med Res** 1986 Dec;84:582–5

Chemical, biological, and immunochemical properties of the Chlamydia psittaci lipopolysaccharide. Brade L, et al. **Infect Immun** 1986 Nov;54(2):568–74

Lipoarabinomannan and lipid-free arabinomannan antigens of Mycobacterium paratuberculosis. Sugden EA, et al. **Infect Immun** 1987 Mar;55(3):762–70

Structure and biological relationships of Coxiella burnetii lipopolysaccharides. Amano K, et al. **J Biol Chem** 1987 Apr 5;262(10):4740–7

Removal of lipopolysaccharide from acellular Bordetella pertussis vaccine by detergent treatment. Stinson RS, et al. **J Biol Stand** 1986 Oct;14(4):261–71

Purification of the lipopolysaccharide fraction from Klebsiella pneumoniae O1 K2 by high-performance liquid chromatography. Kol O, et al. **J Chromatogr** 1987 Jun 19; 396:281–6

Electrophoretic separation of lipopolysaccharide monomers differing in polysaccharide length. Goldman RC, et al. **Methods Enzymol** 1987;138:267–75

[Improved method of lipopolysaccharide isolation from gram-negative bacteria] Kul'shin VA, et al. **Mol Gen Mikrobiol Virusol** 1987 May;(5):44–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Decreased binding of antibiotics to lipopolysaccharides from polymyxin-resistant strains of Escherichia coli and Salmonella typhimurium. Peterson AA, et al. **Antimicrob Agents Chemother** 1987 Feb;31(2):230–7

Interaction of human T lymphocytes with E. coli lipopolysaccharide (LPS). Altavilla D, et al. **G Batteriol Virol Immunol** 1985 Jul–Dec;78(7–12):134–43

Haemophilus influenzae type b lipooligosaccharide: stability of expression and association with virulence. Kimura A, et al. **Infect Immun** 1987 Sep;55(9):1979–86

Dephosphorylation of the lipid A moiety of Escherichia coli lipopolysaccharide by mouse macrophages. Peterson AA, et al. **Infect Immun** 1987 Apr;55(4):974–8

Physical and morphological characteristics of eucaryotic ribosomes and lipopolysaccharide complexes. Phillips M, et al. **Infect Immun** 1987 Sep;55(9):2047–51

Cytochemical localization of lipopolysaccharides during peptidoglycan degradation of Escherichia coli cells. Frehel C, et al. **J Bacteriol** 1987 Jan;169(1):210–7

Control of lipopolysaccharide biosynthesis and release by Escherichia coli and Salmonella typhimurium. Ishiguro EE, et al. **J Bacteriol** 1986 Oct;168(1):328–33

Lipopolysaccharide tightly bound to porin monomers and trimers from Escherichia coli K-12. Rocque WJ, et al. **J Bacteriol** 1987 Sep;169(9):4003–10

Adhesion-promoting receptors on human macrophages recognize Escherichia coli by binding to lipopolysaccharide. Wright SD, et al. **J Exp Med** 1986 Dec 1;164(6):1876–88

Neutralization and lipoprotein binding of lipopolysaccharides in tolerant rabbit serum. Warren HS, et al. **J Infect Dis** 1986 Nov;154(5):784–91

Kinetics of inhaled lipopolysaccharide in the guinea pig. Goto H, et al. **J Lab Clin Med** 1987 Sep;110(3):287–91

Immunohistochemical investigation of the presence and distribution of cementum-associated lipopolysaccharides in periodontal disease. Hughes FJ, et al. **J Periodont Res** 1986 Nov;21(6):660–7

PHARMACODYNAMICS

In vivo and in vitro effect of toxic and radio-detoxified endotoxin preparations on chemiluminescence of peritoneal cells of mice. Elekes E, et al. **Acta Microbiol Hung** 1987; 34(1):65–72

Effect of lipopolysaccharide of Haemophilus influenzae on ciliary activity of the human nasal mucosa and bullfrog palate clearance. Harada T, et al. **Acta Otolaryngol (Stockh)** 1987 Mar–Apr;103(3–4):307–11

Disturbance of mice tracheal beta-adrenoceptor and cholinergic receptor function by Bordetella pertussis and its cell wall components. Veenendaal GH, et al. **Agents Actions** 1986 Dec;19(5–6):366–7

Equine endotoxemia: cardiovascular, eicosanoid, hematologic, blood chemical, and plasma enzyme alterations. Ward DS, et al. **Am J Vet Res** 1987 Jul; 48(7):1150–6

Neutrophil-mediated pulmonary vascular injury. Synergistic effect of trace amounts of lipopolysaccharide and neutrophil stimuli on vascular permeability and neutrophil sequestration in the lung. Worthen GS, et al. **Am Rev Respir Dis** 1987 Jul;136(1):19–28

T-cell-dependent modulation of the polyclonal B-lymphocyte responses in normal spleen cell cultures stimulated by lipopolysaccharide. Björklund M, et al. **Ann Inst Pasteur Immunol** 1987 Mar–Apr;138(2):181–99

Neutrophil stimulation by lipid A and lipopolysaccharides from Salmonella minnesota. DeBari VA, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):597–600

Involvement of leukocyte and glucocorticoid in the acute-phase response of angiotensinogen. Okamoto H, et al. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1225–30

Inhibitors of protein kinase C block activation of B lymphocytes by bacterial lipopolysaccharide. Rush JS, et al. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1315–20

Increased 13-hydroxyoctadecadienoic acid content in lipopolysaccharide stimulated macrophages. Schade UF, et al. **Biochem Biophys Res Commun** 1987 Sep 15; 147(2):695–700

Arachidonic acid turnover in response to lipopolysaccharide and opsonized zymosan in human monocyte-derived macrophages. Leslie CC, et al. **Biochem J** 1986 May 15; 236(1):251–9

Prostaglandin E2, prostaglandin E1 and thromboxane B2 release from human monocytes treated with C3b or bacterial lipopolysaccharide. Nichols FC, et al. **Biochim Biophys Acta** 1987 Feb 18;927(2):149–57

Effect of lipopolysaccharides on cultured human endothelial cells. Relationship between tissue factor activity and prostacyclin release. Delvos U, et al. **Blut** 1987 Aug; 55(2):101–8

In vitro inhibition of lipopolysaccharide-induced bone resorption by polymyxin B. Harvey W, et al. **Br J Exp Pathol** 1986 Oct;67(5):699–705

Production of a neutrophil chemotactic factor by endotoxin stimulated alveolar macrophages in vitro. Snella MC. **Br J Exp Pathol** 1986 Dec;67(6):801–7

Synergistic induction of cytotoxicity in macrophages by murine interferon-gamma and biological response modifiers derived from microorganisms. Nagao S, et al. **Cancer Immunol Immunother** 1986;23(1):41–5

Effect of Escherichia coli lipopolysaccharide on the microviscosity of liver plasma membranes and hepatocyte suspensions and monolayers. Portolés MT, et al. **Cell Biochem Funct** 1987 Jan;5(1):55–61

Lipopolysaccharide exposure during purification of human monocytes by adherence increases their recovery and cytolytic activity. Chen AR, et al. **Cell Immunol** 1986 Nov; 103(1):120–32

Rat macrophage treatment with lipopolysaccharide leads to a reduction in respiratory burst product secretion and a decrease in NADPH oxidase affinity. Johnson WJ, et al. **Cell Immunol** 1987 Aug;108(1):109–19

Biochemical basis of HLA-DR and CR3 modulation on human peripheral blood monocytes by lipopolysaccharide. McLeish KR, et al. **Cell Immunol** 1987 Aug;108(1):242–8

Maintenance of granulopoiesis in long-term bone marrow cultures from W/Wv mice and effects of lipopolysaccharide on granulopoiesis in culture. Kirikae T, et al. **Cell Tissue Kinet** 1987 Jan;20(1):89–98

Complement split product C5a mediates the lipopolysaccharide-induced mobilization of CFU-s and haemopoietic progenitor cells, but not the mobilization induced by proteolytic enzymes. Molendijk WJ, et al. **Cell Tissue Kinet** 1986 Jul;19(4):407–17

Role of splenic stroma in the action of bacterial lipopolysaccharides on radiation mortality: a study in mice carrying the Slj allele. Ploemacher RE, et al. **Cell Tissue Kinet** 1987 Jan;20(1):29–36

Depression of salicylamide glucuronidation by bacterial lipopolysaccharide. Kushiya M, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan;35(1):416–20

Comparative effects of smooth and rough Pasteurella hemolytica lipopolysaccharides on arachidonic acid, eicosanoids, serotonin, and histamine in calves. Emau P, et al. **Circ Shock** 1986;20(3):239–53

Characteristics of bacterial lipopolysaccharide induction of interleukin 1 synthesis and secretion by human monocytes. Arend WP, et al. **Clin Exp Immunol** 1986 Jun;64(3):656–64

LPS augments human B-cell differentiation by direct stimulation of PWM-responsive B cells. Anderson SJ, et al. **Clin Immunol Immunopathol** 1987 Sep;44(3):259–71

Pyrogens fail to produce fever in the snakes Psammophis phillipsii and Lamprophis fuliginosus. Zurovsky Y, et al. **Comp Biochem Physiol [A]** 1987;87(4):911–4

Effect of endotoxin tolerance on drug hepatotoxicity: amelioration of taurolithocholate cholestasis in the perfused rat liver. Utili R, et al. **Digestion** 1987;36(2):74–80

In vivo nitrogen dioxide exposure depresses spleen cell in vitro mitogenic responses: effects of sulfur compounds. Azoulay-Dupuis E, et al. **Environ Res** 1987 Feb;42(1):130–9

Toxicologic interactions between ozone and bacterial endotoxin. Peavy DL, et al. **Environ Res** 1987 Feb; 42(1):63–71

Differentiation in the murine B cell lymphoma L29: individual mu + clones may be induced by lipopolysaccharide to both IgM secretion and isotype switching. Alberini C, et al. **Eur J Immunol** 1987 Apr; 17(4):555–62

B cell receptors for interleukin 2: demonstration of IL2 internalization and of complementary effects of lipopolysaccharide and phorbol diester on receptor expression. Lowenthal JW, et al. **Eur J Immunol** 1986 Dec; 16(12):1591–5

The inflammation mediators interleukin 1 and hepatocyte-stimulating factor are differently regulated in human monocytes. Northoff H, et al. **Eur J Immunol** 1987 May;17(5):707–11

Increased adhesion of polymorphonuclear leukocytes to vascular endothelium by specific interaction of endogenous (interleukin-1) and exogenous (lipopolysaccharide) substances with endothelial cells 'in vitro'. Dunn CJ, et al. **Eur J Rheumatol Inflamm** 1984;7(3):80–6

Synergistic action of lipopolysaccharide and tumor-promoting phorbol esters: two-signal requirement for colony-stimulating factor production by murine bone marrow cells. Pluznik DH, et al. **Exp Hematol** 1986 Dec; 14(11):1029–36

Lipopolysaccharides as complement inhibitors by complex formation with the purified third complement component (C3). Beuscher HU, et al. **Immunobiology** 1986 Oct; 173(1):41–55

Lipopolysaccharide suppresses immune complex retention by follicular dendritic cells without cytological alterations. Heinen E, et al. **Immunol Lett** 1986 Nov 3;13(6):323–7

Effects of concanavalin A, phytohemagglutinin, pokeweed mitogen, and lipopolysaccharide on the replication and immunoglobulin synthesis by canine peripheral blood lymphocytes in vitro. Letwin BW, et al. **Immunol Lett** 1987 Jan;14(2):79–85

In vivo effects of lipopolysaccharide on lymphoid and non-lymphoid cells in the mouse spleen. Suppressive and adjuvant effects of LPS on the development of specific antibody forming cells in situ. van Rooijen N, et al. **Immunol Lett** 1987 Apr;14(4):313–9

B-lymphocyte signal transduction in response to anti-immunoglobulin and bacterial lipopolysaccharide. DeFranco AL, et al. **Immunol Rev** 1987 Feb;95:161–76 (60 ref.)

Polyclonal B-cell activation by a synthetic analogue of bacterial lipoprotein is functionally different from activation by bacterial lipopolysaccharide. Kleine B, et al. **Immunology** 1987 May;61(1):29–34

Rapid intracellular calcium changes in U937 monocyte cell line: transient increases in response to platelet-activating factor and chemotactic peptide but not interferon-gamma or lipopolysaccharide. Maudsley DJ, et al. **Immunology** 1987 Jun;61(2):189–94

Modulation of pulmonary macrophage superoxide release and tumoricidal activity following activation by biological response modifiers. Drath DB. **Immunopharmacology** 1986 Oct;12(2):117–26

Role of interleukin-1 in the depression of liver drug metabolism by endotoxin. Ghezzi P, et al. **Infect Immun** 1986 Dec;54(3):837–40

Induction of human granulocyte chemiluminescence by bacterial lipopolysaccharides. Kapp A, et al. **Infect Immun** 1987 Mar;55(3):758–61

Induction of murine gamma interferon production by lipopolysaccharide and interleukin-2 in Propionibacterium acnes-induced peritoneal exudate cells [published erratum appears in Infect Immun 1987 Aug;55(8):1948] Okamura H, et al. **Infect Immun** 1987 Feb;55(2):335–41

Antibody- and complement-dependent cell injury assayed by 51Cr release from human peripheral blood mononuclear cells pretreated with lipopolysaccharide. Repo H, et al. **Infect Immun** 1987 Mar;55(3):507–12

Regulation of tumor development: the biphasic effects of silica and of lipopolysaccharide on natural resistance. Sandstrom PA, et al. **Int J Cancer** 1987 Jul 15;40(1):122–30

Effect of hydrocortisone and bacterial lipopolysaccharide on colony-stimulating activity production from mouse marrow adherent cells, spleen cells and peritoneal macrophages in vitro. Aizawa S, et al. **Int J Cell Cloning** 1986 Nov;4(6):415–23

Establishment of murine macrophage hybridoma clones capable of acquiring tumoricidal activity upon activation with recombinant interferon-gamma and lipopolysaccharide. Kiyotaki C, et al. **J Cancer Res Clin Oncol** 1987;113(4):383–6

25-Hydroxyvitamin D3 metabolism by lipopolysaccharide-stimulated normal human macrophages. Reichel H, et al. **J Clin Endocrinol Metab** 1987 Jan;64(1):1–9

Human platelet aggregation is initiated by peripheral blood mononuclear cells exposed to bacterial lipopolysaccharide in vitro. Schwartz BS, et al. **J Clin Invest** 1986 Nov; 78(5):1136–41

High-density lipoproteins inhibit the bacterial lipopolysaccharide mediated increase in oxidative metabolism and lysozyme release by neutrophilic granulocytes in vitro. Wiernik A, et al. **J Clin Lab Immunol** 1986 Nov;21(3):131–5

Induction of procoagulant activity in human leukocytes with lipoglycans from mycoplasmas. Miragliotta G, et al. **J Clin Microbiol** 1987 Jul;25(7):1295–7

Effect of gamma interferon on cachectin expression by mononuclear phagocytes. Reversal of the lpsd (endotoxin resistance) phenotype. Beutler B, et al. **J Exp Med** 1986 Nov 1;164(5):1791–6

Deacylated lipopolysaccharide inhibits neutrophil adherence to endothelium induced by lipopolysaccharide in vitro. Pohlman TH, et al. **J Exp Med** 1987 May 1;165(5):1393–402

Anthrax toxin blocks priming of neutrophils by lipopolysaccharide and by muramyl dipeptide. Wright GG, et al. **J Exp Med** 1986 Nov 1;164(5):1700–9

Lipopolysaccharide and interleukin 1 inhibit interferon-gamma-induced Fc receptor expression on human monocytes. Arend WP, et al. **J Immunol** 1987 Sep 15;139(6):1873–9

Genetic regulation of lipopolysaccharide-induced interleukin 1 production by murine peritoneal macrophages. Brandwein SR, et al. **J Immunol** 1987 Jun 15;138(12):4263–9

Modulation of the biological activity of bacterial endotoxin by incorporation into liposomes. Dijkstra J, et al. **J Immunol** 1987 Apr 15;138(8):2663–70

Trace levels of bacterial lipopolysaccharide prevent interferon–gamma or tumor necrosis factor–alpha from enhancing mouse peritoneal macrophage respiratory burst capacity. Ding AH, et al. **J Immunol** 1987 Sep 15; 139(6):1971–7

Lipopolysaccharide–mediated macrophage activation: the role of calcium in the generation of tumoricidal activity. Drysdale BE, et al. **J Immunol** 1987 Feb 1;138(3):951–6

Regulation of interleukin 1 gene expression by adherence and lipopolysaccharide. Fuhlbrigge RC, et al. **J Immunol** 1987 Jun 1;138(11):3799–802

Expression of functional IL 2 receptors by lipopolysaccharide and interferon–gamma stimulated human monocytes. Holter W, et al. **J Immunol** 1987 May 1;138(9):2917–22

The effect of LPS on expression of the early "competence" genes JE and KC in murine peritoneal macrophages. Introna M, et al. **J Immunol** 1987 Jun 1;138(11):3891–6

Treatment of murine peritoneal macrophages with bacterial lipopolysaccharide alters expression of c–fos and c–myc oncogenes. Introna M, et al. **J Immunol** 1986 Oct 15; 137(8):2711–5

Suppressed expression of surface Ia on macrophages by lipopolysaccharide: evidence for regulation at the level of accumulation of mRNA. Koerner TJ, et al. **J Immunol** 1987 Jul 1;139(1):239–43

Induction by lipopolysaccharide of intracellular and extracellular interleukin 1 production: analysis with synthetic models. Lasfargues A, et al. **J Immunol** 1987 Jul 15;139(2):429–36

Effects of bacterial lipopolysaccharide on the hydrolysis of phosphatidylinositol–4,5–bisphosphate in murine peritoneal macrophages. Prpic V, et al. **J Immunol** 1987 Jul 15; 139(2):526–33

The production of tumor necrosis factor by mouse bone marrow–derived macrophages in response to bacterial lipopolysaccharide and a chemically synthesized monosaccharide precursor. Sayers TJ, et al. **J Immunol** 1987 May 1;138(9):2935–40

Neutrophil recruitment and bacterial clearance correlated with LPS responsiveness in local gram–negative infection. Shahin RD, et al. **J Immunol** 1987 May 15;138(10):3475–80

B cell stimulatory factor–1 (interleukin 4) prepares resting murine B cells to secrete IgG1 upon subsequent stimulation with bacterial lipopolysaccharide. Snapper CM, et al. **J Immunol** 1987 Jul 1;139(1):10–7

Induction of macrophage Ia expression by lipopolysaccharide and Listeria monocytogenes in congenitally athymic nude mice. Wentworth PA, et al. **J Immunol** 1987 May 15; 138(10):3167–73

Interaction of strain AD169 and a clinical isolate of cytomegalovirus with peripheral monocytes: the effect of lipopolysaccharide stimulation. Dudding LR, et al. **J Infect Dis** 1987 May;155(5):891–6

Local interferon induction by bacterial lipopolysaccharide in mice after pretreatment with Corynebacterium parvum. Kirchner H, et al. **J Interferon Res** 1986 Oct;6(5):483–7

Interferon–gamma potentiation of lipopolysaccharide–induced eicosanoid release from human monocytes. Nichols FC, et al. **J Interferon Res** 1987 Feb; 7(1):121–9

Macrophage migration inhibition induced by MDP, LPS, PMA, and MIF/MAF: reversal by macrophage migration enhancement factor (MEF), L–fucose, L–fucosyl BSA, D–mannose, and D–mannosyl BSA. Gordon MR, et al. **J Leukocyte Biol** 1987 Sep;42(3):197–203

Preferential loss of DNA polymerase alpha following suppression of replicative DNA synthesis of guinea pig macrophages by the immunostimulants muramyl dipeptide or lipopolysaccharide. Haraguchi T, et al. **J Leukocyte Biol** 1987 Feb;41(2):170–6

Loss of ciliary activity in organ cultures of rat trachea treated with lipo–oligosaccharide from Haemophilus influenzae. Johnson AP, et al. **J Med Microbiol** 1986 Nov;22(3):265–8

Local Shwartzman activity of lipopolysaccharides from several selected strains of suspected periodontopathic bacteria. Koga T, et al. **J Periodont Res** 1987 Mar; 22(2):103–7

Characterization of the pyrogenicity of two different lipopolysaccharides and their lipid A–bovine serum albumin complexes. Ogawa Y, et al. **J Pharmacobiodyn** 1986 Sep;9(9):722–8

Gamma interferon priming of mouse and human macrophages for induction of tumor necrosis factor production by bacterial lipopolysaccharide. Gifford GE, et al. **JNCI** 1987 Jan;78(1):121–4

Restoration of lipopolysaccharide–mediated cytotoxic macrophage induction in C3H/HeJ mice by interferon–gamma or a calcium ionophore. Akagawa KS, et al. **Jpn J Cancer Res** 1987 Mar;78(3):279–87

Feline interleukin 1 derived from alveolar macrophages stimulated with lipopolysaccharide. Goitsuka R, et al. **Nippon Juigaku Zasshi** 1987 Aug;49(4):631–6

Activation by synergism between endotoxin and lymphokines of the mouse macrophage cell line J774 against infection by Trypanosoma cruzi. Alcina A, et al. **Parasite Immunol** 1987 Mar;9(2):175–86

Endotoxin–induced generation of oxygen free radicals in freshly drawn human blood. Reichle H, et al. **Prog Clin Biol Res** 1987;236A:419–26

Effects of Mycobacterium bovis BCG, bacterial lipopolysaccharide and hydrocortisone on the development of immunity to Plasmodium berghei. Ferraroni JJ, et al. **Rev Inst Med Trop Sao Paulo** 1986 Jan–Feb;28(1):36–45

The role of I–A/E molecules in B–lymphocyte activation. II. Mechanism of inhibition of the responses to lipopolysaccharide by anti–I–A/E antibodies. Forsgren S, et al. **Scand J Immunol** 1987 Mar;25(3):225–34

Single lipopolysaccharide–reactive B cells in the non–immune mouse spleen cell population secrete natural multispecific autoantibodies. Ragimbeau J, et al. **Scand J Immunol** 1987 Jul;26(1):29–35

[Effect of the bacterial polysaccharide pyrogenal on embryogenesis in noninbred white rats] Bandazhevskiĭ IuI. **Farmakol Toksikol** 1987 May–Jun;50(3):67–8 (Eng. Abstr.) **(Rus)**

[Mitogenic action of bacterial T–independent antigens under various conditions of lymphocyte culture] Surgaĭ VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jan;(1):76–80 (Eng. Abstr.) **(Rus)**

[Polyclonal stimulation activates the basal level of IgM and IgG plaque–forming cells against sheep erythrocytes without inducing a change from IgM to IgG] Bolós C, et al. **Allergol Immunopathol (Madr)** 1986 Jul–Aug; 14(4):269–75 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Control of hemopoiesis by a bone marrow stromal cell clone: lipopolysaccharide– and interleukin–1–inducible production of colony–stimulating factors. Rennick D, et al. **Blood** 1987 Feb;69(2):682–91

Selective pressures and lipopolysaccharide subunits as determinants of resistance of clinical isolates of gram–negative bacilli to human serum. Porat R, et al. **Infect Immun** 1987 Feb;55(2):320–8

Inhibition of fibroblast proliferation and collagen synthesis by capsular material from Actinobacillus actinomycetemcomitans. Kamin S, et al. **J Med Microbiol** 1986 Nov;22(3):245–9

Borrelia burgdorferi lipopolysaccharide and its role in the pathogenesis of Lyme disease. Habicht GS, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):137–41

[Chemical components of pathogens and the mechanism of their virulence: chemical components of pathogens and their etiologic significance] Amako K. **Nippon Rinsho** 1986 Sep;44(9):1997–2003 **(Jpn)**

THERAPEUTIC USE

Combination immunotherapy of cancer in a mouse model: synergism between tumor necrosis factor and other defense systems. Chun M, et al. **Cancer Res** 1987 Jan 1;47(1):115–8

Subtherapeutic numbers of tumour–sensitized, L3T4+, Ly 1+2– T cells are needed for endotoxin to cause regression of an established immunogenic tumour. Digiacomo A, et al. **Immunology** 1987 Mar;60(3):367–73

Therapeutic ratio of mono or combination bacterial lipopolysaccharide therapy in methylnitrosourea–induced rat mammary carcinoma. Berger MR, et al. **J Cancer Res Clin Oncol** 1987;113(5):437–45

Antitumor activity of lipopolysaccharide in tumor–bearing mice pretreated with BCG. Sato H, et al. **Tohoku J Exp Med** 1986 Dec;150(4):391–9

[Effect of bacterial lipopolysaccharide preparations on hemopoiesis in depressed hemopoiesis induced by ionizing radiation] Baranov MN, et al. **Gematol Transfuziol** 1986 Oct;31(10):30–3 (Eng. Abstr.) **(Rus)**

[Nonspecific reactivity of patients with chronic diseases of the biliary tract and activation with pyrogenal] Bondarenko NM, et al. **Klin Khir** 1986;(9):25–6 (Eng. Abstr.) **(Rus)**

[Use of pyrogenal in the combined therapy of erysipelas] Zhivitsa LV, et al. **Vrach Delo** 1986 Oct;(10):24–6 (Eng. Abstr.) **(Rus)**

TOXICITY

Toxic effects of lipopolysaccharide from Bacteroides intermedius and Escherichia coli assessed in the pre–implantation mouse embryo culture system. Storeng R, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1987 Apr;95(2):135–9

Role of haemophilus pleuropneumoniae lipopolysaccharide endotoxin in the pathogenesis of porcine Haemophilus pleuropneumonia. Udeze FA, et al. **Am J Vet Res** 1987 May;48(5):768–73

Mechanism of human platelet activation by endotoxic glycolipid–bearing mutant Re595 of Salmonella minnesota. Timmons S, et al. **Blood** 1986 Nov;68(5):1015–23

Effect of anti–inflammatory drugs on the production of tumour necrosis factor and lipopolysaccharide induced–mortality in mice. Ha DK, et al. **Cancer Lett** 1987 Mar;34(3):291–6

An induced synovitis disease model in ponies. Firth EC, et al. **Cornell Vet** 1987 Apr;77(2):107–18

Direct and mediated Escherichia coli lipopolysaccharide action in primary hepatocyte cultures. Pagani R, et al. **Eur J Cell Biol** 1987 Apr;43(2):243–6

Role of reactive oxygen intermediates in the hepatotoxicity of endotoxin. Ghezzi P, et al. **Immunopharmacology** 1986 Dec;12(3):241–4

Tumor necrosis factor mediates endotoxic effects in mice. Bauss F, et al. **Infect Immun** 1987 Jul;55(7):1622–5

Comparative virulence of intra– and interstrain lipopolysaccharide variants of Coxiella burnetii in the guinea pig model. Moos A, et al. **Infect Immun** 1987 May; 55(5):1144–50

Enhancement of endotoxin lethality and generation of anaphylactoid reactions by lipopolysaccharides in muramyl–dipeptide–treated mice. Takada H, et al. **Infect Immun** 1987 Feb;55(2):409–13

Lethal toxicity of lipopolysaccharide and tumor necrosis factor in normal and D–galactosamine–treated mice. Lehmann V, et al. **J Exp Med** 1987 Mar 1;165(3):657–63

Lipopolysaccharide induces recurrence of arthritis in rat joints previously injured by peptidoglycan–polysaccharide. Stimpson SA, et al. **J Exp Med** 1987 Jun 1;165(6):1688–702

Regulation by interferons of the local inflammatory response to bacterial lipopolysaccharide. Heremans H, et al. **J Immunol** 1987 Jun 15;138(12):4175–9

Relationship between lipopolysaccharide composition and virulence of Haemophilus ducreyi. Odumeru JA, et al. **J Med Microbiol** 1987 Mar;23(2):155–62

Endotoxin induced hepatic necrosis in rats on an alcohol diet. Bhagwandeen BS, et al. **J Pathol** 1987 May; 152(1):47–53

LIPOPROTEIN LIPASE

ANALYSIS

Effects of dietary cholesterol on adipose tissue lipoprotein lipase in the baboon. Lewis DS. **Biochim Biophys Acta** 1986 Oct 24;879(1):44–50

Sex differences in regional distribution of fat cell size and lipoprotein lipase activity in morbidly obese patients. Fried SK, et al. **Int J Obes** 1987;11(2):129–40

In vitro effects of glucidamine on adrenergic stimulated lipolysis and on lipoprotein lipase activity in human adipose tissue. Enzi G, et al. **Pharmacol Res Commun** 1986 Sep; 18(9):769–74

ANTAGONISTS & INHIBITORS

Lipoprotein lipase–suppressing mediator in serum of endotoxin–treated rats. Bagby GJ, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):E470–6

The kinetics of heparin inhibition of the esterase and basal lipase activities of lipoprotein lipase. Posner I, et al. **Arch Biochem Biophys** 1987 Mar;253(2):475–85

Inhibitors of diacylglycerol lipase and diacylglycerol kinase inhibit carbamylcholine–stimulated responses in guinea pig pancreatic minilobules. Sekar MC, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):509–14

Inhibition of human and rat lipoprotein lipase by high–density lipoprotein. Jones SM, et al. **Biochim Biophys Acta** 1986 Sep 12;878(2):250–7

Inhibition of purified bovine milk lipoprotein lipase by propranolol and other beta–adrenergic blockers in vitro. Kubo M, et al. **Biochim Biophys Acta** 1987 Apr 3; 918(2):168–74

Does vitellogenin inhibit lipoprotein lipase in the laying hen? Griffin H. **Comp Biochem Physiol [B]** 1986;85(2):469–72

Human recombinant TNF suppresses lipoprotein lipase activity and stimulates lipolysis in 3T3–L1 cells. Kawakami M, et al. **J Biochem (Tokyo)** 1987 Feb;101(2):331–8

Effects of RHC 80267, a diglyceride lipase inhibitor, on prolactin secretion and calcium uptake in GH3 pituitary cells. Camoratto AM, et al. **Life Sci** 1987 Jan 19; 40(3):275–81

Cachectin: more than a tumor necrosis factor. Beutler B, et al. **N Engl J Med** 1987 Feb 12;316(7):379–85 (104 ref.)

BIOSYNTHESIS

Regulation of lipoprotein lipase synthesis in 3T3–L1 adipocytes by cachectin. Further proof for identity with tumour necrosis factor. Price SR, et al. **Biochem J** 1986 Dec 1;240(2):601–4

Dibutyryl cyclic AMP decreases the rate of lipoprotein lipase synthesis in cultured adipocytes. Bensadoun A, et al. **Biochim Biophys Acta** 1986 Dec 5;879(3):253–63

Regulation of lipoprotein lipase synthesis and 3T3–L1 adipocyte metabolism by recombinant interleukin 1. Price SR, et al. **Biochim Biophys Acta** 1986 Dec 19;889(3):374–81

Lipoprotein lipase in guinea pig tissues: molecular size and rates of synthesis. Semb H, et al. **Biochim Biophys Acta** 1986 Oct 3;878(3):330–7

BLOOD

Hypercholesterolaemia, hypotriacylglycerolaemia and increased lipoprotein lipase activity following orchidectomy in rats. Haug A, et al. **Acta Endocrinol (Copenh)** 1986 Sep;113(1):133–9

Effect of sulphated derivatives of chitosan on lipoprotein lipase activity of rabbit plasma after their intravenous injection. Hirano S, et al. **Carbohydr Res** 1986 Aug 1; 150:295–9

Reduced plasma lipoprotein lipase activity in patients with malignancy–associated weight loss. Vlassara H, et al. **Horm Metab Res** 1986 Oct;18(10):698–703

The effect of acute and chronic administration of nicotine on lipoprotein lipase activity. Chajek–Shaul T, et al. **Int Angiol** 1987 Jan–Mar;6(1):29–36

Apolipoprotein B metabolism in subjects with deficiency of apolipoproteins CIII and AI. Evidence that apolipoprotein

CIII inhibits catabolism of triglyceride-rich lipoproteins by lipoprotein lipase in vivo. Ginsberg HN, et al. **J Clin Invest** 1986 Nov;78(5):1287–95

Association of plasma lipoproteins with postheparin lipase activities. Goldberg IJ, et al. **J Clin Invest** 1986 Dec; 78(6):1523–8

High density lipoprotein2. Relationship of the plasma levels of this lipoprotein species to its composition, to the magnitude of postprandial lipemia, and to the activities of lipoprotein lipase and hepatic lipase. Patsch JR, et al. **J Clin Invest** 1987 Aug;80(2):341–7

Recombinant gamma interferon induces hypertriglyceridemia and inhibits post-heparin lipase activity in cancer patients. Kurzrock R, et al. **J Exp Med** 1986 Oct 1;164(4):1093–101

ApoA-IV metabolism in the rat: role of lipoprotein lipase and apolipoprotein transfer. Lefevre M, et al. **J Lipid Res** 1986 Nov;27(11):1163–73

Factors influencing the tissue distribution of coenzyme Q10 intravenously administered in an emulsion to rats: emulsifying agents and lipoprotein lipase activity. Kimura A, et al. **J Pharm Pharmacol** 1986 Sep;38(9):659–62

Exercise acutely increases high density lipoprotein–cholesterol and lipoprotein lipase activity in trained and untrained men. Kantor MA, et al. **Metabolism** 1987 Feb;36(2):188–92

Postheparin plasma lipolytic activities in physically active and sedentary men after varying and repeated doses of intravenous heparin. Thompson PD, et al. **Metabolism** 1986 Nov;35(11):999–1004

High-density lipoprotein cholesterol, hepatic lipase and lipoprotein lipase activities in thyroid dysfunction—effects of treatment. Lam KS, et al. **Q J Med** 1986 May; 59(229):513–21

Plasma kinetics of lipoprotein lipase and hepatic lipase activities induced by heparin and a low molecular weight heparin fragment. Persson E, et al. **Scand J Clin Lab Invest** 1987 Apr;47(2):151–5

DEFICIENCY

Primary lipoprotein lipase deficiency. Brunzell JD, et al. **Adv Exp Med Biol** 1986;201:227–39 (51 ref.)

Deficiencies of plasma lipolytic activities. Breckenridge WC. **Am Heart J** 1987 Feb;113(2 Pt 2):567–73 (34 ref.)

An incomplete form of familial lipoprotein lipase deficiency presenting with type I hyperlipoproteinemia. Berger GM. **Am J Clin Pathol** 1987 Sep;88(3):369–73

Normalization of lipoprotein lipase and hepatic lipase by gemfibrozil results in correction of lipoprotein abnormalities in chronic renal failure. Pasternack A, et al. **Clin Nephrol** 1987 Apr;27(4):163–8

Severe hypertriglyceridemia, large lipoproteins and protection against atherosclerosis. Nordestgaard BG, et al. **Scand J Clin Lab Invest [Suppl]** 1987;186:7–12

GENETICS

Inheritance of high density lipoprotein and lipoprotein lipase and hepatic lipase activity. Kuusi T, et al. **Arteriosclerosis** 1987 Jul–Aug;7(4):421–5

Cell-free translation of avian adipose tissue lipoprotein lipase messenger RNA. Strieleman PJ, et al. **Biochim Biophys Acta** 1987 Apr 29;908(3):268–74

The sequence of cDNA encoding lipoprotein lipase. A member of a lipase gene family. Kirchgessner TG, et al. **J Biol Chem** 1987 Jun 25;262(18):8463–6

RFLP for the human lipoprotein lipase (LPL) gene: HindIII. Heinzmann C, et al. **Nucleic Acids Res** 1987 Aug 25; 15(16):6763

Molecular cloning and sequence of a cDNA coding for bovine lipoprotein lipase. Senda M, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4369–73

Human lipoprotein lipase complementary DNA sequence. Wion KL, et al. **Science** 1987 Mar 27;235(4796):1638–41

IMMUNOLOGY

Antibody against human lipoprotein lipase. Etienne J, et al. **Atherosclerosis** 1987 Apr;64(2–3):201–9

Production and use of an inhibitory monoclonal antibody to human lipoprotein lipase. Goldberg IJ, et al. **Biochim Biophys Acta** 1986 Sep 12;878(2):168–76

ISOLATION & PURIFICATION

Lipoprotein lipases from cow, guinea-pig and man. Structural characterization and identification of protease-sensitive internal regions. Bengtsson-Olivecrona G, et al. **Eur J Biochem** 1986 Dec 1;161(2):281–8

Purification and characterization of lipoprotein lipase from human postheparin plasma and its comparison with purified bovine milk lipoprotein lipase. Hayashi R, et al. **J Biochem (Tokyo)** 1986 Aug;100(2):319–31

METABOLISM

Plasma fat elimination tissue lipoprotein lipase activity and plasma fatty acid composition during sequential treatment with etretinate and isotretinoin. Vahlquist C, et al. **Acta Derm Venereol (Stockh)** 1987;67(2):139–44

The effects of diet, acute exercise and regular training on muscle lipoprotein lipase activity. Lithell H. **Adv Exp Med Biol** 1987;210:173–81

Mechanism of action of lipoprotein lipase and hepatic triglyceride lipase. Jackson RL, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):551–4

Lipid composition and lipolytic activities in milk from a patient with homozygous familial hypobetalipoproteinemia. Wang CS, et al. **Am J Clin Nutr** 1987 Apr;45(4):730–6

Triacylglycerol kinetics in endotoxic rats with suppressed lipoprotein lipase activity. Bagby GJ, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):E59–64

Misclassification of a commercially available enzyme as lipoprotein lipase [letter] Frommherz K, et al. **Ann Biol Clin (Paris)** 1986;44(5):524–5

Regulation of lipoprotein lipase synthesis by recombinant tumor necrosis factor—the primary regulatory role of the hormone in 3T3-L1 adipocytes. Price SR, et al. **Arch Biochem Biophys** 1986 Dec;251(2):738–46

Effect of very low molecular weight heparin-derived oligosaccharides on lipoprotein lipase release in rabbits. Merchant ZM, et al. **Atherosclerosis** 1986 Nov;62(2):151–8

Phospholipase C-diglyceride lipase is a major pathway for arachidonic acid release in macrophages. Moscat J, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):367–73

Diacylglycerol lipase and kinase activities in rabbit aorta and coronary microvessels. Severson DL, et al. **Biochem Cell Biol** 1986 Oct;64(10):976–83

Changes in brown adipose tissue lipoprotein lipase activity and lipogenesis rate during pregnancy and lactation in the rat. Villarroya F, et al. **Biochem Int** 1986 Sep;13(3):511–9

The effects of chemically modifying serum apolipoproteins on their ability to activate lipoprotein lipase. Dodds PF, et al. **Biochem J** 1987 Mar 1;242(2):471–8

The lipoprotein lipase of white adipose tissue. Studies on the intracellular distribution of the adipocyte-associated enzyme. Al-Jafari AA, et al. **Biochem J** 1986 Jun 15; 236(3):749–56

The lipoprotein lipase of white adipose tissue. Changes in the adipocyte cell-surface content of enzyme in response to extracellular effectors in vitro. Al-Jafari AA, et al. **Biochem J** 1986 Aug 15;238(1):239–46

Effect of diabetes on acid and neutral triacylglycerol lipase and on lipoprotein lipase activities in isolated myocardial cells from rat heart. Ramírez I, et al. **Biochem J** 1986 Aug 15;238(1):233–8

Intralipid administration induces a lipoprotein lipase-like activity in the livers of starved adult rats. Vilaró S, et al. **Biochem J** 1986 May 15;236(1):273–8

The anticoagulant, hepatic lipase-releasing and lipoprotein lipase-releasing activities of several natural and chemically modified heparins differ. Pescador R, et al. **Biochem Pharmacol** 1987 Jan 15;36(2):253–7

Effects of 2[5(4-chlorophenyl)pentyl]oxirane-2-carboxylate on lipoprotein lipase, adipose tissue lipolysis and glycerol phosphate acyltransferase in rats. Rogers MP. **Biochem Pharmacol** 1987 Mar 15;36(6):971–2

Enhanced release and synthesis of lipoprotein lipase in rat heart cell cultures exposed to high concentrations of Hepes. Friedman G, et al. **Biochim Biophys Acta** 1987 May 13; 919(1):1–12

Fatty acyl chain specificity of phosphatidylcholine hydrolysis catalyzed by lipoprotein lipase. Effect of apolipoprotein C-II and its (56–79) synthetic fragment. McLean LR, et al. **Biochim Biophys Acta** 1986 Oct 3;878(3):446–9

Diurnal variations of plasma lipids, tissue and plasma lipoprotein lipase, and VLDL secretion rates in the rat. A model for studies of VLDL metabolism. Marrino P, et al. **Biochim Biophys Acta** 1987 Aug 15;920(3):277–84

Mechanisms for turnover of lipoprotein lipase in guinea pig adipocytes. Semb H, et al. **Biochim Biophys Acta** 1987 Sep 4;921(1):104–15

CL-proteins and the regulation of lipoprotein lipase activity in locust flight muscle. Wheeler CH, et al. **Biol Chem Hoppe Seyler** 1986 Nov;367(11):1127–33

Characterization of lipoprotein lipase activity in the newborn rat liver. Reina M, et al. **Biol Neonate** 1987;51(1):45–52

Diet composition and lipoprotein lipase (EC 3.1.1.34) activity in human obesity. Smolin LA, et al. **Br J Nutr** 1987 Jul; 58(1):13–21

Contribution of lipoprotein lipase to differences in fatness between broiler and layer-strain chickens. Griffin HD, et al. **Br Poult Sci** 1987 Jun;28(2):197–206

Plasma lipoprotein cholesterol and triglycerides and lipoprotein lipase activity in epididymal white adipose tissue of rats fed high sucrose or high corn oil diets. Deshaies Y. **Can J Physiol Pharmacol** 1986 Jul;64(7):885–91

Lipases operative at the fat cell surface: attempt at an integrated approach. Verine A, et al. **Cell Biochem Funct** 1987 Jul;5(3):175–81

Lipoprotein lipase activity and intramuscular triglyceride stores after long-term high-fat and high-carbohydrate diets in physically trained men. Kiens B, et al. **Clin Physiol** 1987 Feb;7(1):1–9

Mono- and diacylglycerol lipases in spinal cord of lean and obese Zucker rats. Farooqui AA, et al. **Comp Biochem Physiol [B]** 1987;87(2):341–4

Relationship of organ lipoprotein lipase activity and ketonuria to hypertriglyceridemia in starved and streptozocin-induced diabetic rats. Wilson DE, et al. **Diabetes** 1987 Apr;36(4):485–90

Lipoprotein lipase in diabetes. Taskinen MR. **Diabetes Metab Rev** 1987 Apr;3(2):551–70 (92 ref.)

Effect of amiodarone on serum lipids, lipoprotein lipase, and hepatic triglyceride lipase. Kasim SE, et al. **Endocrinology** 1987 May;120(5):1991–5

Very low density lipoprotein metabolism after insulin over-treatment and during a euglycaemic clamp. Kruszynska YT, et al. **Eur J Clin Invest** 1987 Feb;17(1):23–8

Differential effect of insulin on the synthesis of lipoprotein lipase and glycerophosphate dehydrogenase activity in developing rat adipocyte precursor cells. Hauner H, et al. **Horm Metab Res** 1986 Oct;18(10):719–21

Renal phospholipase C and diglyceride lipase activity in spontaneously hypertensive rats. Kawaguchi H, et al. **Hypertension** 1987 Jul;10(1):100–6

Characterization and solubilization of membrane bound diacylglycerol lipases from bovine brain. Farooqui AA, et al. **Int J Biochem** 1986;18(11):991–7

Heparin decreases the degradation rate of lipoprotein lipase in adipocytes. Cupp M, et al. **J Biol Chem** 1987 May 5; 262(13):6383–8

Synthesis and secretion of lipoprotein lipase in 3T3-L1 adipocytes. Demonstration of inactive forms of lipase in cells. Olivecrona T, et al. **J Biol Chem** 1987 Aug 5; 262(22):10748–59

Multiple effects of tumor necrosis factor on lipoprotein lipase in vivo. Semb H, et al. **J Biol Chem** 1987 Jun 15; 262(17):8390–4

Milk lipoprotein lipase distribution in the major fractions of bovine milk. Hohe KA, et al. **J Dairy Sci** 1985 May; 68(5):1067–73

Regulation of bovine adipose tissue metabolism during lactation. 3. Adaptations of hormone-sensitive and lipoprotein lipases. McNamara JP, et al. **J Dairy Sci** 1987 Jul;70(7):1377–84

Lipoprotein lipase in atherosclerosis: its presence in smooth muscle cells and absence from macrophages. Jonasson L, et al. **J Lipid Res** 1987 Apr;28(4):437–45

Hydrolysis of chylomicron arachidonate and linoleate ester bonds by lipoprotein lipase and hepatic lipase. Nilsson A, et al. **J Lipid Res** 1987 May;28(5):510–7

Lipoprotein lipase activity in skeletal muscle and brown adipose tissue of pregnant and lactating rats. Champigny O, et al. **J Nutr** 1987 Feb;117(2):349–54

Lipoprotein lipases, lipoproteins and tissue lipids in rats fed fish oil or coconut oil. Haug A, et al. **J Nutr** 1987 Jun; 117(6):1011–7

Diurnal and within-feed variations in lipase activity and triglyceride content of human milk. Freed LM, et al. **J Pediatr Gastroenterol Nutr** 1986 Nov–Dec;5(6):938–42

Exercise termination effects on food intake, plasma insulin, and adipose lipoprotein lipase activity in the Osborne-Mendel rat. Applegate EA, et al. **Metabolism** 1987 Aug;36(8):709–14

Clearance defects in primary chylomicronemia: a study of tissue lipoprotein lipase activities. Berger GM. **Metabolism** 1986 Nov;35(11):1054–61

Basal and postprandial lipoprotein lipase activity in adipose tissue during caloric restriction and refeeding. Taskinen MR, et al. **Metabolism** 1987 Jul;36(7):625–30

Effects of pre- and early postnatal protein malnutrition on carcass composition and lipoprotein lipase activity in male rats. Bartness TJ, et al. **Physiol Behav** 1987;39(6):721–6

Changes in lipoprotein lipase activity in the adipose tissue and heart of non-lethally X-irradiated rats. Sedláková A, et al. **Physiol Bohemoslov** 1986;35(5):400–5

Existence of lipoprotein lipase in rat brain microvessels. Shirai K, et al. **Tohoku J Exp Med** 1986 Aug;149(4):449–50

[Studies on duck serum lipoproteins. VIII. Studies on biological activity and metabolism of HDL-apo C II in vitro] Li XZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1987 Apr; 9(2):89–94 (Eng. Abstr.) **(Chi)**

[Effect of lipoprotein on LPL activity of guinea pig alveolar macrophages] Yoshii H. **Nippon Ika Daigaku Zasshi** 1986 Dec;53(6):550–7 (Eng. Abstr.) **(Jpn)**

[Lipoprotein lipase activity in the tissues of roosters fed hyperlipemic diet with or without L-ascorbic acid in 2 phases of the circadian rhythm] Ledwożyw A. **Pol Arch Weter** 1986;25(4):45–56 (Eng. Abstr.) **(Pol)**

[Role and mechanism of lipoprotein lipase activity in lipoprotein metabolism] Piskorska D, et al. **Przegl Lek** 1987; 44(4):406–9 **(Pol)**

PHYSIOLOGY

Mechanism of action of lipoprotein lipase and hepatic triglyceride lipase. Jackson RL, et al. **Adv Exp Med Biol** 1987;210:73–7

SECRETION

Regulation of lipoprotein lipase secretion by mouse peritoneal macrophages. Goldberg DI, et al. **Biochem Biophys Res Commun** 1987 Jan 15;142(1):1–6

Regulation of the secretion of lipoprotein lipase by mouse macrophages. Behr SR, et al. **Biochim Biophys Acta** 1986 Dec 19;889(3):346–54

Lipoprotein lipase in mouse peritoneal macrophages: the effects of insulin and dexamethasone. Kawakami M, et al. **J Biochem (Tokyo)** 1986 Nov;100(5):1373–8

Effects of activation on lipoprotein lipase secretion by macrophages. Evidence for autoregulation. Behr SR, et al. **J Exp Med** 1986 Oct 1;164(4):1362–7

Lipoprotein lipase secretion from isolated rat fat cells of different size. Fried SK, et al. **Life Sci** 1986 Dec 1; 39(22):2111–9

LIPOPROTEIN LIPASE DEFICIENCY, FAMILIAL see under HYPERLIPOPROTEINEMIA

LIPOPROTEIN-X

BLOOD

Lipoprotein-X. Meredith JT. **Arch Pathol Lab Med** 1986 Dec;110(12):1123-7

Lipoprotein X, gamma-glutamyltranspeptidase and biliary atresia [letter] Deutsch J, et al. **Eur J Pediatr** 1987 May; 146(3):313-4

[Study of unknown substance stained with coloring matter after bacto-agar electrophoresis of lipoprotein. 2. Clinical significances of unknown substance (unknown lipoprotein)] Kokuryuu H, et al. **Rinsho Byori** 1987 Apr;35(4):429-34 (Jpn)

[Detection of lipoprotein-X subfractions by isoelectric focusing on agarose gel] Suehira S, et al. **Rinsho Byori** 1987 Jan;35(1):80-5 (Jpn)

[Clinical usefulness of lipoprotein-X (LP-X) as an indicator of intrahepatic cholestasis in viral hepatitis] Szczotka W, et al. **Wiad Lek** 1986 Jun 1;39(11):739-48 (Eng. Abstr.) (Pol)

LIPOPROTEINS

Temperature-induced spectral properties of chlorophyll a incorporated into egg-yolk lecithin liposomes and lipo-protein complexes. Bialek-Bylka GE, et al. **Acta Biochim Biophys Hung** 1986;21(4):369-79

Binding of lipoproteins to inert materials revisited with computer-assisted analysis. Mendel CM. **Biochim Biophys Acta** 1987 Apr 3;918(2):205-7

Application of osmometric methods to the study of lipids, lipoproteins, and apolipoproteins. Adams ET Jr. **J Lipid Res** 1986 Dec;27(12):1233-47 (34 ref.)

Ultrastructure of native lipoprotein from Escherichia coli envelopes. Manstein DJ, et al. **J Mol Biol** 1986 Jun 20; 189(4):701-7

ANALYSIS

Lipoprotein patterns in follicular fluid. De Placido G, et al. **Acta Eur Fertil** 1986 Sep-Oct;17(5):353-4

Molecular analysis of lipoproteins: clinical applications. Fruchart JC, et al. **Adv Exp Med Biol** 1987;210:225-31

Radioimmunoassay of rat apolipoprotein B peptides in lipoproteins and tissues. Young NL, et al. **Anal Biochem** 1987 May 1;162(2):311-8

Secretion of lipoprotein particles by the cells of the kidney proximal segment in the migrating arctic lamprey, Lampetra japonica. Hatae T, et al. **Cell Tissue Res** 1987 Jul;249(1):25-30

Phosphorylcholine bearing components of some helminthic parasites: localization to parasite lipoproteins. McWilliam AS, et al. **Comp Biochem Physiol [B]** 1986;85(3):627-33

Sequential microultracentrifugation of lipoproteins in 100 microliters of serum. Kupke IR, et al. **J Lipid Res** 1986 Sep;27(9):988-95

Plasma and lipoprotein fatty acid composition in glycogen storage disease type I. Levy E, et al. **Lipids** 1987 Jun; 22(6):381-5

Lipids in serum, lipoproteins and erythrocyte membranes in canine dirofilariasis by TLC-FID method. Kitagawa H, et al. **Nippon Juigaku Zasshi** 1987 Apr;49(2):285-93

Diurnal lipid and lipoprotein profiles in hypertriglyceridemic patients with bezafibrate and clofibrate. Oster P, et al. **Res Exp Med (Berl)** 1986;186(6):435-41

[Lipid composition of plasma and tissue lipoproteins in spontaneously hypertensive rats (SHR) on normal feeding] Dakovska L, et al. **Eksp Med Morfol** 1987;26(1):1-6 (Eng. Abstr.) (Bul)

[Lipid composition of plasma and tissue lipoproteins in spontaneously hypertensive rats (SHR) on a cholesterol diet] Orbetsova V, et al. **Eksp Med Morfol** 1987;26(1):6-12 (Eng. Abstr.) (Bul)

BIOSYNTHESIS

Hereditary hyperlipidemia in the rabbit due to overproduction of lipoproteins. I. Biochemical studies. La Ville A, et al. **Arteriosclerosis** 1987 Mar-Apr;7(2):105-12

A novel cell line (Caco-2) for the study of intestinal lipoprotein synthesis. Hughes TE, et al. **J Biol Chem** 1987 Mar 15;262(8):3762-7

Lipoprotein biosynthesis in the larvae of the tobacco hornworm, Manduca sexta. Prasad SV, et al. **J Biol Chem** 1986 Dec 25;261(36):17174-6

[The mechanism of biosynthesis and secretion of bacterial lipoprotein] Hayashi S, et al. **Tanpakushitsu Kakusan Koso** 1987 Jan;32(1):41-53 (82 ref.) (Jpn)

BLOOD

Serum lipoproteins in middle-aged men with psoriasis. Vahlquist C, et al. **Acta Derm Venereol (Stockh)** 1987; 67(1):12-5

The effects of conjugated equine oestrogens with and without a cyclical progestogen on lipoproteins, and HDL subfractions in postmenopausal women. Farish E, et al. **Acta Endocrinol (Copenh)** 1986 Sep;113(1):123-7

Effects of dietary supplementation with n-6 and n-3 long-chain polyunsaturated fatty acids on serum lipoproteins and platelet function in hypertriglyceridaemic patients. Boberg M, et al. **Acta Med Scand** 1986; 220(2):153-60

Serum lipids and lipoproteins during continuous ambulatory peritoneal dialysis. Lindholm B, et al. **Acta Med Scand** 1986; 220(2):143-51

The influence of exercise training on plasma lipids and lipoproteins in health and disease. Haskell WL. **Acta Med Scand [Suppl]** 1986;711:25-37 (74 ref.)

Serum lipoprotein changes in climacteric women induced by sequential therapy with natural estrogens and medroxy-progesterone acetate or norgestrel. Vejtorp M, et al. **Acta Obstet Gynecol Scand** 1986;65(5):391-5

Increase of serum lipids and serum lipoproteins in girls under therapy with estrogen and norethisteron for height reduction. Weninger M, et al. **Acta Paediatr Scand** 1987 May;76(3):500-3

Effects of diet fat P/S ratio on serum lipoprotein concentrations. Boberg J, et al. **Adv Exp Med Biol** 1987; 210:159-63

Results of the study of apolipoprotein E and its isomorphs on isoelectric focusing in dyslipoproteinemias. Bruckert E, et al. **Adv Exp Med Biol** 1987;210:47-53

The role of apolipoprotein E in modulating the metabolism of apolipoprotein B-48 and apolipoprotein B-100 containing lipoproteins in humans. Gregg RE, et al. **Adv Exp Med Biol** 1986;201:289-98 (26 ref.)

The apo E-system: genetic control of plasma lipoprotein concentration. Utermann G. **Adv Exp Med Biol** 1986; 201:261-72 (35 ref.)

Changes in serum lipoproteins and in lecithin: cholesterol acyltransferase activity with dietary fat modification. Weisweiler P, et al. **Adv Exp Med Biol** 1987;210:183-7

The role of lipid transfer proteins in plasma lipoprotein metabolism. Barter PJ, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):538-42 (31 ref.)

Deficiencies of plasma lipolytic activities. Breckenridge WC. **Am Heart J** 1987 Feb;113(2 Pt 2):567-73 (34 ref.)

Serum lipids and lipoproteins after myocardial infarction: associations with cardiovascular mortality and experience in the Aspirin Myocardial Infarction Study. Frost PH, et al. **Am Heart J** 1987 Jun;113(6):1356-64

Nutrition and biogenesis of plasma lipoproteins in nonhuman primates. Getz GS, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):440-5

Relationship of intermediate and low-density lipoprotein subspecies to risk of coronary artery disease. Krauss RM. **Am Heart J** 1987 Feb;113(2 Pt 2):578-82 (29 ref.)

Lipoproteins and atherosclerosis: some unanswered questions. Steinberg D. **Am Heart J** 1987 Feb;113(2 Pt 2):626-32 (22 ref.)

Alcohol-induced changes in serum lipoproteins and in their metabolism. Taskinen MR, et al. **Am Heart J** 1987 Feb; 113(2 Pt 2):458-64 (40 ref.)

Regulation of hepatic lipase and serum lipoproteins by sex steroids. Tikkanen MJ, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):562-7 (65 ref.)

Influence of sucrose polyester on plasma lipoproteins, and cholesterol metabolism in obese patients with and without diabetes mellitus. Grundy SM, et al. **Am J Clin Nutr** 1986 Nov;44(5):620-9

Effect of high-fat diet on cholesterol distribution in plasma lipoproteins, cholesterol esterifying activity in leucocytes, and erythrocyte membrane components studied: importance of body weight. Shanmugasundaram KR, et al. **Am J Clin Nutr** 1986 Dec;44(6):805-15

Serum cholesterol, lipoproteins, and plasma coagulation factors in South Africa blacks on a high-egg but low-fat intake. Vorster HH, et al. **Am J Clin Nutr** 1987 Jul; 46(1):52-7

Relationship of dietary fat, protein, cholesterol, and fiber intake to atherogenic lipoproteins in men. Williams PT, et al. **Am J Clin Nutr** 1986 Dec;44(6):788-97

Fatness and fat patterns: associations with plasma lipids and blood pressures in adults, 18 to 57 years of age. Baumgartner RN, et al. **Am J Epidemiol** 1987 Oct; 126(4):614-28

Serum lipoprotein disturbances in primary and secondary hyperparathyroidism and effects of parathyroidectomy. Lacour B, et al. **Am J Kidney Dis** 1986 Dec;8(6):422-9

Lipid and lipoprotein levels in undialyzed patients with chronic renal failure. Mendez A, et al. **Am J Med Sci** 1987 Mar;293(3):164-70

Long-term effects of percutaneous estrogens and oral progesterone on serum lipoproteins in postmenopausal women. Jensen J, et al. **Am J Obstet Gynecol** 1987 Jan; 156(1):66-71

Lipid transport function of lipoproteins in blood plasma. Havel RJ. **Am J Physiol** 1987 Jul;253(1 Pt 1):E1-5 (44 ref.)

Lipid and lipoprotein levels of Newfoundland school children. Fodor JG, et al. **Ann Nutr Metab** 1987;31(4):231-6

Vitamin C and blood lipoproteins in an elderly population. Jacques PF, et al. **Ann NY Acad Sci** 1987;498:100-9

Effect of moderate physical training on serum lipids and lipoproteins. Folin M, et al. **Anthropol Anz** 1986 Sep; 44(3):269-74

Plasma lipids and composition of red cells in four cases of Werner's syndrome. Brosche T, et al. **Arch Gerontol Geriatr** 1986 Oct;5(3):207-20

Serum lipid and lipoprotein levels in premature ageing syndromes: total lipodystrophy and Cockayne syndrome. László A, et al. **Arch Gerontol Geriatr** 1986 Oct;5(3):189-96

Indapamide. Effects on apoprotein, lipoprotein, and glucoregulation in ambulatory diabetic patients. Osei K, et al. **Arch Intern Med** 1986 Oct;146(10):1973-7

Population-based study of glycosylated hemoglobin, lipids, and lipoproteins in nondiabetic adults. Barrett-Connor E, et al. **Arteriosclerosis** 1987 Jan-Feb;7(1):66-70

Plasma lipoprotein distribution of apolipoprotein E in familial hypercholesterolemia. Gibson JC, et al. **Arteriosclerosis** 1987 Jul-Aug;7(4):401-7

Metabolism of human intermediate and very low density lipoprotein subfractions from normal and dysbetalipoproteinemic plasma. In vivo studies in rat. Musliner TA, et al. **Arteriosclerosis** 1987 Jul-Aug; 7(4):408-20

The composition of plasma lipoproteins and erythrocyte membranes in cholesterol-fed pigs with partial ileal bypass. Schouten JA, et al. **Artery** 1987;14(3):165-89

The association between serum Lp(a) concentrations and angiographically assessed coronary atherosclerosis. Dependence on serum LDL levels. Armstrong VW, et al. **Atherosclerosis** 1986 Dec;62(3):249-57

Serum lipoprotein lipid and apoprotein levels as indicators of the severity of angiographically assessed coronary artery disease. Aro A, et al. **Atherosclerosis** 1986 Dec;62(3):219-25

Lipoprotein patterns in nondiabetic, borderline diabetic, and diabetic Macaca nigra. Howard CF Jr, et al. **Atherosclerosis** 1987 Jan;63(1):75-84

Increased cholesterol concentration in intermediate density lipoprotein fraction of normolipidemic non-insulin-dependent diabetics. Kasama T, et al. **Atherosclerosis** 1987 Feb;63(2-3):263-6

Influence of bezafibrate and colestipol on LDL-cholesterol, LDL-apolipoprotein B and HDL-cholesterol in hyperlipoproteinaemia. Klosiewicz-Latoszek L, et al. **Atherosclerosis** 1987 Feb;63(2-3):203-9

High density lipoprotein, apoproteins A-I and A-II and postheparin plasma lipolytic enzymes after ileal bypass. Koivisto P, et al. **Atherosclerosis** 1987 Feb;63(2-3):181-6

Effect of deoxycholic acid on lipoprotein and apolipoprotein levels in patients with familial hypercholesterolemia. Leuven JA, et al. **Atherosclerosis** 1986 Oct;62(1):21-5

Metabolism of apolipoprotein C-I in normolipoproteinemic human subjects. Malmendier CL, et al. **Atherosclerosis** 1986 Nov;62(2):167-72

Effect of portacaval anastomosis on plasma lipoproteins of lean and obese Zucker rats. Mathé D, et al. **Atherosclerosis** 1987 Apr;64(2-3):155-62

Effects of pure capsaicinoids (capsaicin and dihydrocapsaicin) on plasma lipid and lipoprotein concentrations of turkey poults. Negulesco JA, et al. **Atherosclerosis** 1987 Apr;64(2-3):85-90

The chromogenicity and quantitation of apoB-100 and apoB-48 of human plasma lipoproteins on analytical SDS gel electrophoresis. Poapst M, et al. **Atherosclerosis** 1987 May;65(1-2):75-88

Relative value of plasma copper, zinc, lipids and lipoproteins as markers for coronary artery disease. Tiber AM, et al. **Atherosclerosis** 1986 Nov;62(2):105-10

Effects of partial ileal bypass on the progression of atherosclerotic lesions in WHHL rabbits. Van Niekerk JL, et al. **Atherosclerosis** 1987 Feb;63(2-3):225-30

Lipoprotein catabolism in rats with portacaval anastomosis on various diets. Windler EE, et al. **Atherosclerosis** 1987 Mar;64(1):63-70

Surface diffusion in human serum lipoproteins. Cushley RJ, et al. **Biochem Biophys Res Commun** 1987 Aug 14; 146(3):1139-45

The role of the female Syrian hamster protein on the interaction between serum lipoproteins and heparin. Saxena U, et al. **Biochem Cell Biol** 1987 May;65(5):438-43

Isolation and partial characterization of apolipoprotein (a) from human lipoprotein (a). Seman LJ, et al. **Biochem Cell Biol** 1986 Oct;64(10):999-1009

Lipoprotein metabolism and cardiovascular disease. Packard CJ, et al. **Biochem Soc Trans** 1987 Jun;15(3):341-3

Serum lipids and lipoproteins in the atherosclerosis prone LA/N corpulent rat. Dolphin PJ, et al. **Biochim Biophys Acta** 1987 Jun 2;919(2):140-8

Disappearance and effects of exogenous lipid transfer activity in rats. Quig DW, et al. **Biochim Biophys Acta** 1986 Nov 14;879(2):171-8

Studies on the mechanism of hypertriglyceridemia in Tangier disease. Determination of plasma lipolytic activities, k1 values and apolipoprotein composition of the major lipoprotein density classes. Wang CS, et al. **Biochim Biophys Acta** 1987 Jul 13;920(1):9-19

Effect of prazosin and propranolol on lipoproteins of hypertensive patients. Hurt E, et al. **Biomed Biochim Acta** 1987;46(1):111-8

Serum lipoproteins in Israeli "Bnei Israel" IndiansWeingarten MA, et al. **Biomed Pharmacother** 1986;40(6):228-30

Serum apolipoproteins AI and B and lipoproteins in middle aged men with and without previous myocardial infarction. Durrington PN, et al. **Br Heart J** 1986 Sep;56(3):206-12

Ultrastructural studies of the portal transport of fat in chickens. Fraser R, et al. **Br J Exp Pathol** 1986 Dec; 67(6):783-91

Continuous oestrogen-progestogen treatment and serum lipoproteins in postmenopausal women. Jensen J, et al. **Br J Obstet Gynaecol** 1987 Feb;94(2):130-5

Influence of proteinuria on vascular disease, blood pressure,

and lipoproteins in insulin dependent diabetes mellitus. Winocour PH, et al. **Br Med J [Clin Res]** 1987 Jun 27; 294(6588):1648–51

Lipoprotein–associated oncornavirus–inactivating factor in the genus Mus: effects on murine leukemia viruses of laboratory and exotic mice. Nara PL, et al. **Cancer Res** 1987 Feb 1;47(3):667–72

Association of levels of lipoprotein Lp(a), plasma lipids, and other lipoproteins with coronary artery disease documented by angiography. Dahlen GH, et al. **Circulation** 1986 Oct; 74(4):758–65

Racial (black–white) comparisons of the relationship of levels of endogenous sex hormones to serum lipoproteins during male adolescence: the Bogalusa Heart Study. Srinivasan SR, et al. **Circulation** 1986 Dec;74(6):1226–34

Lipoproteins and the pathogenesis of atherosclerosis. Steinberg D. **Circulation** 1987 Sep;76(3):508–14

The association of increased levels of intermediate–density lipoproteins with smoking and with coronary artery disease. Steiner G, et al. **Circulation** 1987 Jan;75(1):124–30

Serum lipoproteins during antihypertensive therapy with beta blockers and diuretics: a controlled long–term comparative trial. Middeke M, et al. **Clin Cardiol** 1987 Feb;10(2):94–8

Quantification of two different types of apolipoprotein A–I containing lipoprotein particles in plasma by enzyme–linked differential–antibody immunosorbent assay. Koren E, et al. **Clin Chem** 1987 Jan;33(1):38–43

Evaluation of lipoproteins and apolipoproteins in serum of a Tangier patient by micro–scale two–dimensional electrophoresis. Manabe T, et al. **Clin Chem** 1987 Apr; 33(4):468–72

Analysis for lipoproteins in horse serum. Papadopulo I, et al. **Clin Chem** 1987 Jun;33(6):1081

Lp(a) lipoprotein in patients with chronic renal failure treated by hemodialysis. Parra HJ, et al. **Clin Chem** 1987 May; 33(5):721

Lipoprotein and apoprotein levels in postmenopausal women during treatment with norethisterone. Farish E, et al. **Clin Chim Acta** 1986 Sep 15;159(2):147–51

Free and Apo B–associated Lpa–specific protein in human serum. Gries A, et al. **Clin Chim Acta** 1987 Apr 15; 164(1):93–100

Quantification of human apolipoprotein E in plasma and lipoprotein subfractions by a non–competitive enzyme immunoassay. Koffigan M, et al. **Clin Chim Acta** 1987 Mar 30;163(3):245–56

Automated enzymatic standardized lipid analyses for plasma and lipoprotein fractions. McNamara JR, et al. **Clin Chim Acta** 1987 Jun 30;166(1):1–8

Analysis of plasma lipoproteins by ultracentrifugation in a new fixed angle rotor: evaluation of a phosphotungstic acid/MgCl2 precipitation and a quantitative lipoprotein electrophoresis assay. März W, et al. **Clin Chim Acta** 1986 Oct 15;160(1):1–18

Apolipoprotein and lipoprotein cholesterol concentrations in trained and sedentary males. Rifai N, et al. **Clin Chim Acta** 1987 Feb 27;163(1):113–7

Agglutination of intravenous lipid emulsion ('Intralipid') and plasma lipoproteins by C–reactive protein. Rowe IR, et al. **Clin Exp Immunol** 1986 Oct;66(1):241–7

Lipemic and lipoproteinemic effects of natural and synthetic androgens in humans. Crist DM, et al. **Clin Exp Pharmacol Physiol** 1986 Jul;13(7):513–8

Glucose tolerance and lipid–lipoprotein levels in middle–aged powerlifters. Hurley BF, et al. **Clin Physiol** 1987 Feb; 7(1):11–9

Beta–adrenoceptor blockade and plasma lipoproteins. Comparison of the effects of propranolol and pindolol on plasma lipoproteins including high–density lipoprotein subfractions. Northcote RJ, et al. **Clin Sci** 1987 May; 72(5):549–56

Comparative study of serum lipoproteins separated by the method of cellulose acetate membrane electrophoresis in humans and rats. Asano S, et al. **Comp Biochem Physiol [B]** 1987;87(1):195–8

The lipid composition of serum lipoproteins in the harbour seal, Phoca vitulina. Beynen AC, et al. **Comp Biochem Physiol [B]** 1986;84(4):545–7

Characterization of equine plasma lipoproteins after separation by density gradient. Le Goff D, et al. **Comp Biochem Physiol [B]** 1987;87(3):501–6

Progestins and oral contraceptive–induced lipoprotein changes: a prospective study. Hoppe G. **Contraception** 1987 Mar;35(3):299–305

Progestins and oral contraceptive–induced lipoprotein changes: a prospective study. Lipson A, et al. **Contraception** 1986 Aug;34(2):121–34

Serum lipids and lipoproteins in hypothyroidism. Schjeide OA, et al. **Cytobios** 1986;48(192):7–24

Cholesterol and bile acid metabolism in middle–aged diabetics. Andersen E, et al. **Diabete Metab** 1986 Oct; 12(5):261–7

Relationships between plasma lipoprotein concentrations and insulin action in an obese hyperinsulinemic population. Abbott WG, et al. **Diabetes** 1987 Aug;36(8):897–904

Effect of variation in diet on lipoprotein metabolism in patients with diabetes mellitus. Hollenbeck CB, et al. **Diabetes Metab Rev** 1987 Jul;3(3):669–89

Chlorpropamide lowers serum and lipoprotein cholesterol in insulin–dependent diabetes. Seviour PW, et al. **Diabetic Med** 1986 Mar;3(2):152–4

The effects of antihypertensive drugs on serum lipids and lipoproteins, I. Diuretics. Ames RP. **Drugs** 1986 Sep; 32(3):260–78 (88 ref.)

The effects of antihypertensive drugs on serum lipids and lipoproteins. II. Non–diuretic drugs. Ames RP. **Drugs** 1986 Oct;32(4):335–57 (103 ref.)

Concentrations of lipids, lipoproteins and apolipoproteins in Zimbabwean diabetic patients. Gomo ZA. **East Afr Med J** 1986 Aug;63(8):550–6

The acute effect of marathon running on plasma lipoproteins in female subjects. Skinner ER, et al. **Eur J Appl Physiol** 1987;56(4):451–6

Severe sodium restriction alone and with potassium supplementation does not alter blood lipoproteins in essential hypertension. Kjeldsen SE, et al. **Eur J Clin Invest** 1987 Apr;17(2):182–6

Type 1 (insulin–dependent) versus type 2 (non–insulin–dependent) diabetes mellitus: characterization of serum lipoprotein alterations. Weisweiler P, et al. **Eur J Clin Invest** 1987 Feb;17(1):87–91

The effect of ovariectomy on lipoprotein metabolism during a period of one year. Eichhorn D, et al. **Exp Clin Endocrinol** 1986 Dec;88(2):212–8

Effect of ovariectomy on response to dietary cholesterol in patas monkeys (Erythrocebus patas). Baker HN, et al. **Exp Mol Pathol** 1987 Aug;47(1):76–89

Studies on lipid and lipoprotein metabolism in rat liver cirrhosis induced by different regimens of thioacetamide administration. Zimmermann T, et al. **Exp Pathol** 1986; 30(2):109–17

1H NMR studies of human blood plasma. Assignment of resonances for lipoproteins. Bell JD, et al. **FEBS Lett** 1987 Jul 13;219(1):239–43

Serum levels of cholesterol and lipoproteins in rhesus monkeys: comparison of the effect of gonadotropin–releasing hormone agonist and the progestin, levonorgestrel. Schleicher RL, et al. **Fertil Steril** 1987 Apr; 47(4):710–3

Effects of CS–514, a new inhibitor of HMG CoA reductase, on plasma lipids, lipoproteins and apoproteins in patients with primary hypercholesterolemia. Kazumi T, et al. **Horm Metab Res** 1986 Sep;18(9):654–5

Effects of cyproterone acetate (CPA) on serum lipoproteins when administered alone and in combination with ethinyl estradiol (EE). Lindberg UB, et al. **Horm Metab Res** 1987 May;19(5):222–5

Lipoproteins status in professional football players after period of vacation and one month after a new intensive training program. Tater D, et al. **Horm Metab Res** 1987 Jan;19(1):24–7

Prognostic significance of lipid bound sialic acid in sera of cancer patients. Shanmugam V, et al. **Indian J Cancer** 1986 Sep;23(3):173–7

Lipids & lipoproteins in amoebic liver abscess. Gandhi BM, et al. **Indian J Med Res** 1986 Jun;83:594–9

Serum lipoproteins in central retinal vein occlusion and other vascular lesion. Malik GM, et al. **Indian J Med Sci** 1986 Aug;40(8):201–3

Lipoprotein changes induced by pantethine in hyperlipoproteinemic patients: adults and children. Bertolini S, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Nov;24(11):630–7

Probucol and cholestyramine combination in the treatment of severe hypercholesterolemia. Sommariva D, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Sep;24(9):505–10

Lipoprotein and lipid profiles of elite athletes in Olympic sports. Tsopanakis C, et al. **Int J Sports Med** 1986 Dec; 7(6):316–21

Plasma lipoprotein profile in relation to sex hormones in premenarcheal athletes. Zonderland ML, et al. **Int J Sports Med** 1986 Oct;7(5):241–5

The effect of 7 years of intense exercise training on patients with coronary artery disease. Rogers MA, et al. **J Am Coll Cardiol** 1987 Aug;10(2):321–6

Dietary protein effects on cholesterol and lipoprotein concentrations: a review. Forsythe WA, et al. **J Am Coll Nutr** 1986;5(6):533–49 (87 ref.)

Serum lipids and lipoproteins in diabetic retinopathy. Chakraborty A, et al. **J Assoc Physicians India** 1986 Sep; 34(9):631–2

A study on the selective binding of apoprotein B– and E–containing human plasma lipoproteins to immobilized rat serum phosphorylcholine–binding protein. Saxena U, et al. **J Biol Chem** 1987 Mar 5;262(7):3011–6

Human plasma platelet–activating factor acetylhydrolase. Association with lipoprotein particles and role in the degradation of platelet–activating factor. Stafforini DM, et al. **J Biol Chem** 1987 Mar 25;262(9):4215–22

A comparison of the effects of bisoprolol and atenolol on lipoprotein concentrations and blood pressure. Lithell H, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S128–33

Black–white differences in serum lipoproteins during sexual maturation: the Bogalusa Heart Study. Freedman DS, et al. **J Chronic Dis** 1987;40(4):309–18

Relationships of plasma estradiol, testosterone, and sex hormone–binding globulin with lipoproteins, apolipoproteins, and high density lipoprotein subfractions in men. Stefanick ML, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):723–9

Effect of dietary fat saturation on plasma lipoproteins and high density lipoprotein metabolism of the rhesus monkey. Chong KS, et al. **J Clin Invest** 1987 Mar;79(3):675–83

Association of plasma lipoproteins with postheparin lipase activities. Goldberg IJ, et al. **J Clin Invest** 1986 Dec; 78(6):1523–8

Different patterns of postprandial lipoprotein metabolism in normal, type IIa, type III, and type IV hyperlipoproteinemic individuals. Effects of treatment with cholestyramine and gemfibrozil. Weintraub MS, et al. **J Clin Invest** 1987 Apr;79(4):1110–9

Metabolic effects of a biphasic oral contraceptive preparation containing ethinyloestradiol and desogestrel on serum lipoproteins and apolipoproteins. Voorhoof L, et al. **J Endocrinol** 1986 Oct;111(1):191–6

Effect of large–dose progesterone on plasma levels of lipids, lipoproteins and apolipoproteins in males. Chen JJ, et al. **J Endocrinol Invest** 1986 Aug;9(4):281–5

Amiloride with or without salbutamol versus placebo: effects on lipoproteins in hypertensive patients treated with timolol–hydrochlorothiazide. Spence JD, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S515–8

Effects of recombinant interferon–alpha 2 treatment upon lipid concentrations and lipoprotein composition. Massaro ER, et al. **J Interferon Res** 1986 Dec;6(6):655–62

Association of cholesterol concentrations in low–density lipoprotein, high–density lipoprotein, and high–density lipoprotein subfractions, and of apolipoproteins AI and AII, with coronary stenosis and left ventricular function. Kempen HJ, et al. **J Lab Clin Med** 1987 Jan;109(1):19–26

Effects of gemfibrozil on plasma lipoprotein–apolipoprotein distribution and platelet reactivity in patients with hypertriglyceridemia. Sirtori CR, et al. **J Lab Clin Med** 1987 Sep;110(3):279–86

Effect of lecithin:cholesterol acyltransferase on distribution of apolipoprotein A–IV among lipoproteins of human plasma. Bisgaier CL, et al. **J Lipid Res** 1987 Jun; 28(6):693–703

Identification and characterization of rat serum lipoprotein subclasses. Isolation by chromatography on agarose columns and sequential immunoprecipitation. Dallinga–Thie GM, et al. **J Lipid Res** 1986 Oct; 27(10):1035–43

Use of a rapid and highly sensitive fluorescamine–based procedure for the assay of plasma lipoproteins. Funk GM, et al. **J Lipid Res** 1986 Jul;27(7):792–5

Isolation and characterization of the two major apoproteins in human lipoprotein [a]. Gaubatz JW, et al. **J Lipid Res** 1987 Jan;28(1):69–79

Modifications of plasma lipoproteins after lipase activation in patients with chylomicronemia. Manzato E, et al. **J Lipid Res** 1986 Dec;27(12):1248–58

Alterations in plasma lipoproteins and apolipoproteins in experimental allergic encephalomyelitis. Shore VG, et al. **J Lipid Res** 1987 Feb;28(2):119–29

Effect of egg cholesterol and dietary fats on plasma lipids, lipoproteins, and apoproteins of normal women consuming natural diets. Zanni EE, et al. **J Lipid Res** 1987 May; 28(5):518–27

Lipid and lipoprotein contents in normal Thai subjects. Nitiyanant W, et al. **J Med Assoc Thai** 1987 Jan;70(1):20–3

Lipid and lipoprotein abnormalities in non–insulin dependent diabetics (NIDDM). Nitiyanant W, et al. **J Med Assoc Thai** 1987 Mar;70 Suppl 2:204–8

Lipoprotein lipases, lipoproteins and tissue lipids in rats fed fish oil or coconut oil. Haug A, et al. **J Nutr** 1987 Jun; 117(6):1011–7

Similar effects of zinc deficiency and restricted feeding on plasma lipids and lipoproteins in rats [letter] Koo SI, et al. **J Nutr** 1987 Jun;117(6):1161–3

Alteration in lipoprotein composition with intravenous compared to intragastric fat–free feeding in the rat. Ney DM, et al. **J Nutr** 1986 Nov;116(11):2106–20

Similar effects of zinc deficiency and restricted feeding on plasma lipids and lipoproteins in rats. Schneeman BO, et al. **J Nutr** 1986 Oct;116(10):1889–95

Interaction of cyclosporin A with human lipoproteins. Sgoutas D, et al. **J Pharm Pharmacol** 1986 Aug;38(8):583–8

Plasma catecholamines and lipoproteins in chronic psychological stress. O'Donnell L, et al. **J R Soc Med** 1987 Jun;80(6):339–42

Cholesterol distribution among lipoprotein fractions in patients with gout and normal controls. Jacobelli S, et al. **J Rheumatol** 1986 Aug;13(4):774–7

The influence of plasma lipoproteins on steroidogenesis of cultured ovine fetal and neonatal adrenal cells. Durand P, et al. **J Steroid Biochem** 1987 Apr;26(4):425–31

[A study on the relation between phlegm–stagnant type coronary heart disease and serum lipid levels. Xu JM, et al. **J Tradit Chin Med** 1986 Sep;6(3):183–6

Lp(a) lipoprotein as a risk factor for myocardial infarction. Rhoads GG, et al. **JAMA** 1986 Nov 14;256(18):2540–4

Dynamics of plasma lipoproteins and lipids during double filtration plasmapheresis (DFP). Sakata S, et al. **Jpn J Med** 1987 May;26(2):176–9

Intermediate–density lipoproteins and progression of coronary artery disease in hypercholesterolaemic men. Krauss RM, et al. **Lancet** 1987 Jul 11;2(8550):62–6

Tamoxifen–induced modification of serum lipoprotein phospholipids in the cockerel. Breckenridge WC, et al. **Lipids** 1987 Jul;22(7):505–12

Absorption and distribution of deuterium–labeled trans– and cis–11–octadecenoic acid in human plasma and lipoprotein lipids. Emken EA, et al. **Lipids** 1986 Sep;21(9):589–95

Studies of lipoproteins and fatty acids in maternal and cord blood of two racial groups in Trinidad. Taylor GO, et al.

Lipids 1987 Mar;22(3):173–7
Quantitation of baboon lipoproteins by high performance gel exclusion chromatography. Williams MC, et al. **Lipids** 1987 May;22(5):366–74
A study of high fat and cholesterol diet induced changes in plasma cholesterol and lipoprotein in healthy human volunteers—vegetarians. Arora RC, et al.
Mater Med Pol 1986 Sep–Dec;18(4):198–202
Effects of MK–733 on plasma lipid and lipoprotein levels in subjects with hypercholesterolaemia. Simons LA, et al. **Med J Aust** 1987 Jul 20;147(2):65–8
Effects of exercise and anabolic steroids on total and lipoprotein cholesterol concentrations in male and female rats. Leeds EM, et al. **Med Sci Sports Exerc** 1986 Dec; 18(6):663–7
Pre- and post-prandial plasma levels of intermediate density lipoproteins in type 2 diabetic female patients. de Wikinski RL, et al. **Medicina (B Aires)** 1986;46(1):51–8
Alterations in lipid and protein profiles of plasma lipoproteins in middle-aged men consequent to an aerobic exercise program. Baker TT, et al. **Metabolism** 1986 Nov; 35(11):1037–43
Comparison of selectivity of LDL removal by double filtration and dextran-sulfate cellulose column plasmapheresis, and changes of subfractionated plasma lipoproteins after plasmapheresis in heterozygous familial hypercholesterolemia. Homma Y, et al. **Metabolism** 1987 May;36(5):419–25
Effects of CS–514 on serum lipoprotein lipid and apolipoprotein levels in patients with familial hypercholesterolemia. Mabuchi H, et al. **Metabolism** 1987 May;36(5):475–9
Association of serum lipids and lipoproteins with plasma C-peptide concentration in non-insulin-dependent diabetic and non-diabetic subjects. Sarlund H, et al. **Metabolism** 1987 Sep;36(9):840–5
Aging and dietary influences on plasma lipoproteins and apolipoproteins in nonhuman primates. Wilcox KK, et al. **Metabolism** 1986 Nov;35(11):1062–9
Detection of malignant tumors. Water-suppressed proton nuclear magnetic resonance spectroscopy of plasma. Fossel ET, et al. **N Engl J Med** 1986 Nov 27;315(22):1369–76
Oncolipids? A possible new approach to diagnosis of cancer [editorial] Schein PS. **N Engl J Med** 1986 Nov 27; 315(22):1410–1
Chronic triiodothyronine supplementation does not improve the lipoprotein disorders of mildly uremic rats. Lacour B, et al. **Nephron** 1987;45(2):129–34
Lipoprotein(a) in ischemic cerebrovascular disease: a new approach to the assessment of risk for stroke. Jürgens G, et al. **Neurology** 1987 Mar;37(3):513–5
Dietary fat, plasma lipoproteins, and immune function in middle-aged American men. Berry EM, et al.
Nutr Cancer 1987;9(2–3):129–42
The evolution of serum lipoproteins in infancy. **Nutr Rev** 1986 Oct;44(10):324–6 (13 ref.)
Further definition of lipid–lipoprotein abnormalities in children with various degrees of chronic renal insufficiency. Zacchello G, et al. **Pediatr Res** 1987 May; 21(5):462–5
The effect of low-dose hydrochlorothiazide on blood pressure, serum potassium, and lipoproteins. McKenney JM, et al. **Pharmacotherapy** 1986 Jul–Aug;6(4):179–84
Religious observance and plasma lipids and lipoproteins among 17-year-old Jewish residents of Jerusalem. Friedlander Y, et al. **Prev Med** 1987 Jan;16(1):70–9
Interrelationships between body mass and lipid and lipoprotein triglycerides and cholesterol in obese women. Sommariva D, et al. **Ric Clin Lab** 1986 Jul–Sep;16(3):481–8
Postprandial plasma lipoproteins in normal and hypertriglyceridaemic subjects and their in vitro effect on platelet activity: differences between saturated and polyunsaturated fats. Aviram M, et al.
Scand J Clin Lab Invest 1986 Oct;46(6):571–9
Reduced thermogenesis in muscle and disturbed lipoprotein metabolism in relation to thyroid function in haemodialysis patients. Fagher B, et al. **Scand J Clin Lab Invest** 1987 Feb;47(1):91–7
Bile acid transport by serum lipoproteins in patients with extrahepatic cholestasis. Hedenborg G, et al.
Scand J Clin Lab Invest 1986 Dec;46(8):745–50
Severe hypertriglyceridemia, large lipoproteins and protection against atherosclerosis. Nordestgaard BG, et al. **Scand J Clin Lab Invest [Suppl]** 1987;186:7–12
Direct and indirect effects of dietary fibre on plasma lipoproteins in man. Katan MB.
Scand J Gastroenterol [Suppl] 1987;129:218–22
Dyslipoproteinemia in patients with severe bacterial infections. Akerlund B, et al. **Scand J Infect Dis** 1986; 18(6):539–45
Beta blockers and lipoproteins: a review of current knowledge. Northcote RJ, et al. **Scott Med J** 1986 Oct; 31(4):220–8 (55 ref.)
Lipoprotein(a) as a strong indicator for cerebrovascular disease. Zenker G, et al. **Stroke** 1986 Sep–Oct;17(5):942–5
Lipoprotein modification achieved by partial ileal bypass: five-year results of The Program on the Surgical Control of the Hyperlipidemias. Campos CT, et al. **Surgery** 1987 Aug;102(2):424–32
Changes in fibrinolytic capacity and lipoprotein pattern during long-term treatment with warfarin. Arnesen H, et al. **Thromb Res** 1986 Oct 15;44(2):229–33
Influence of treatment with diethylstilbestrol for carcinoma of prostate on platelet aggregation and plasma lipoproteins. Agardh CD, et al. **Urology** 1986 Dec;28(6):469–71
[A comparison of plasma lipoproteins and apoproteins in Chinese and American non-insulin dependent diabetes mellitus and controls] Pan XR, et al.
Chung Hua Nei Ko Tsa Chih 1986 Sep;25(9):539–42, 576 (Eng. Abstr.) **(Chi)**
[Lipid, lipoprotein and apolipoprotein levels in men after myocardial infarct] Sedlák F, et al. **Vnitr Lek** 1987 May; 33(5):424–8 (Eng. Abstr.) **(Cze)**
[Familial combined hyperlipidemia. I. Variation in the lipoprotein picture] Vaverková H, et al. **Vnitr Lek** 1986 Sep;32(9):878–86 (Eng. Abstr.) **(Cze)**
[Liver microsomal enzyme induction and serum lipoproteins] Luoma P, et al. **Duodecim** 1986;102(19):1357–64 (Eng. Abstr.) **(Fin)**
[Methods for analyzing lipoproteins] Fruchart JC, et al. **Ann Biol Clin (Paris)** 1986;44(5):551–5 (49 ref.) (Eng. Abstr.) **(Fre)**
[Influence of calcic and magnesic sulphurous thermal water on the metabolism of lipoproteins in the rat] Toussaint C, et al. **Arch Int Physiol Biochim** 1986 Jun;94(2):65–76 (Eng. Abstr.) **(Fre)**
[Serum lipoproteins and alcoholic diseases of the liver] Pignon JP, et al. **Gastroenterol Clin Biol** 1987 Jun–Jul; 11(6–7):460–72 (101 ref.) **(Fre)**
[Metabolism of lipoproteins in healthy humans] Drouin P, et al. **Journ Annu Diabetol Hotel Dieu** 1987;:23–45 (60 ref.) **(Fre)**
[Lipoprotein electrophoresis (letter)]
Dtsch Med Wochenschr 1987 Mar 13;112(11):446–8 **(Ger)**
[Value of lipoprotein electrophoresis for the quantitative assessment of plasma lipoproteins] Breier C, et al.
Dtsch Med Wochenschr 1986 Dec 5;111(49):1888–90 (Eng. Abstr.) **(Ger)**
[Lipoproteins in labor. Qualitative and quantitative studies in mother and child] Brockerhoff P, et al.
Gynakol Rundsch 1987;27(1):10–21 (Eng. Abstr.) **(Ger)**
[Decrease of serum lipoproteins and increase in apolipoproteins A-I and A-II following oral administration of multiple unsaturated phospholipids. Observations on the effect of nutrition on the results] Spann W, et al.
Klin Wochenschr 1987 Jul 1;65(13):590–5 (Eng. Abstr.) **(Ger)**
[Lipoproteins as risk indicators of coronary heart disease in females. Partial report of the Goettingen Risk, Incidence and Prevalence Study (GRIPS)] Cremer P, et al.
Med Klin 1986 Oct 31;81(22):693–701 (Eng. Abstr.) **(Ger)**
[Genetically-induced functional disorders of lipolytic enzymes and their effect on plasma lipoproteins] Greten H. **Verh Dtsch Ges Inn Med** 1986;92:402 **(Ger)**
[Dietary fats and serum lipoproteins] Schwandt P.
Verh Dtsch Ges Inn Med 1986;92:595–600 **(Ger)**
[Lipoprotein metabolism and beta receptor blockers] Schauer UJ, et al. **Z Gesamte Inn Med** 1987 Apr 15;42(8):201–5 (Eng. Abstr.) **(Ger)**
[Relation of serum apolipoprotein and lipoprotein and coronary atherosclerosis] Morimoto S, et al.
Kokyu To Junkan 1986 Nov;34(11):1221–6 (Eng. Abstr.) **(Jpn)**
[Effects of physiological factors on plasma lipids and lipoproteins in normal subjects] Tsuji M.
Nippon Naika Gakkai Zasshi 1986 Jul;75(7):909–18 **(Jpn)**
[Effects of danazol on serum lipid and lipoprotein levels in patients with endometriosis] Fukuda Y, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1987 Jun;39(6):980–6 (Eng. Abstr.) **(Jpn)**
[Lipoproteins and arteriosclerosis. From cell biology to environmental factors] Nossen JO, et al.
Tidsskr Nor Laegeforen 1986 Oct 30;106(30):2495–9 (Eng. Abstr.) **(Nor)**
[Size distribution of plasma lipoproteins] Lozovskiĭ VT, et al. **Biofizika** 1987 Mar–Apr;32(2):285–91 (Eng. Abstr.) **(Rus)**
[Interaction of plasma lipoproteins and apolipoproteins with lipid bilayer membranes] Martseniuk OV, et al.
Biofizika 1987 Mar–Apr;32(2):280–4 (Eng. Abstr.) **(Rus)**
[Mathematical model of the effect of hemosorption on blood plasma lipoprotein metabolism] Iarova EB, et al.
Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR 1986;9(2):110–1 **(Rus)**
[Morphological approach to characterizing the heterogeneity of blood plasma lipoproteins in different types of pathology] Perova NV, et al.
Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR 1987;10(1):55–66 (92 ref.) (Eng. Abstr.) **(Rus)**
[Changes in the blood plasma lipoprotein system of patients in the acute and recovery periods of myocardial infarct] Babich NN. **Kardiologiia** 1986 Nov;26(11):77–80 (Eng. Abstr.) **(Rus)**
[First-onset stenocardia: indices of the atherogenicity of the blood plasma lipoprotein system and the coronary angiographic data] Kuznetsova GV, et al. **Kardiologiia** 1986 Jul;26(7):34–8 (Eng. Abstr.) **(Rus)**
[Status and correction of regional lipid metabolism in atherosclerosis obliterans of the arteries of the lower extremities] Ovchinnikov VA, et al. **Kardiologiia** 1987 Mar; 27(3):77–81 **(Rus)**
[Effect of characterologic risk factors of ischemic heart disease on lipid metabolism indices in young persons during adaptation to long-term psychoemotional and physical loads] Polozhentsev SD, et al. **Kardiologiia** 1986 Dec; 26(12):62–5 (Eng. Abstr.) **(Rus)**
[Vegetovascular dystonia and plasma lipoproteins in adolescents] Belokon' NA, et al. **Klin Med (Mosk)** 1986 Jul;64(7):67–73 (Eng. Abstr.) **(Rus)**
[Lipoprotein metabolism in burns] Kurashvili LV.
Klin Med (Mosk) 1986 Sep;64(9):109–11 (Eng. Abstr.) **(Rus)**
[Stepwise extraction of the blood lipids of rheumatoid arthritis and systemic lupus erythematosus patients] Bagirova GG. **Lab Delo** 1987;(3):215–7 (Eng. Abstr.) **(Rus)**
[Features of lipid metabolism in patients with acute and chronic vascular diseases of the brain] Beliaeva TIu, et al. **Lab Delo** 1987;(3):200–2 (Eng. Abstr.) **(Rus)**
[Processes of lipoprotein lipolysis in blood plasma (review of the literature)] Kosukhin AB, et al. **Lab Delo** 1987; (7):483–8 **(Rus)**
[Value of determining glycosylated lipoproteins in the diagnosis of ischemic heart disease in diabetics] Bodnar PN, et al. **Ter Arkh** 1986;58(11):106–8 **(Rus)**
[Surface charge of plasma lipoproteins from the data of potentiometric studies] Voziian PA, et al.
Ukr Biokhim Zh 1987 May–Jun;59(3):61–4 (Eng. Abstr.) **(Rus)**
[Absorption of iodinated plasma lipoproteins by subpopulations of hepatocytes and sinusoid cells of the rat liver] Panin LE, et al. **Vopr Med Khim** 1986 Jul–Aug; 32(4):106–10 (Eng. Abstr.) **(Rus)**
[Total cholesterol and its lipoprotein fractions. Influence of the age of patients with ischemic cardiopathy and healthy controls from our milieu] González Juanatey JR, et al.
Med Clin (Barc) 1986 Nov 29;87(18):748–52 (Eng. Abstr.) **(Spa)**
[Plasma lipoproteins in alcoholic liver diseases] Copello HD, et al. **Medicina (B Aires)** 1986;46(2):143–6 (Eng. Abstr.) **(Spa)**
[Retrospective value of blood triglycerides and lipoproteins in myocardial infarct] Jara J, et al. **Rev Clin Esp** 1987 Jan; 180(1):20–4 (Eng. Abstr.) **(Spa)**
[Lipoprotein indexes in coronary atheromatosis (letter)] Pintó Sala J, et al. **Rev Clin Esp** 1987 Jan;180(1):59–60 **(Spa)**
[Physico-chemical changes in olive oil used in repeated frying and its impact on blood lipoproteins in rats] Cuesta C, et al. **Rev Esp Fisiol** 1987 Mar;43(1):51–6 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

[Atheroma and heterogeneity of lipoproteins: the medical aspect] Douste-Blazy P, et al. **Ann Biol Clin (Paris)** 1986; 44(4):353–60 (20 ref.) **(Fre)**

DEFICIENCY

Lipoprotein deficiency syndromes. May 13–14, 1985, Vancouver, British Columbia, Canada.
Adv Exp Med Biol 1986;201:1–303
Stereologic studies on the adrenal cortex of 4-APP (4-amino-pyrazolopyrimidine)-induced lipoprotein-deficient rats. Nowak M, et al. **Exp Pathol** 1987;31(3):169–73
Vitamin B12 in blood of rats fed a methyl deficient diet. Perazzo JC, et al. **Medicina (B Aires)** 1986;46(2):172–6

DIAGNOSTIC USE

[Clinical significance of the leukocyte migration inhibition reaction to human liver lipoprotein in children with chronic hepatitis and liver cirrhosis] Imbaeva AA, et al.
Pediatriia 1986 Nov;(11):39–41 (Eng. Abstr.) **(Rus)**

GENETICS

Metabolic consequences of genetic heterogeneity of lipoprotein composition (lipoprotein heterogeneity). Brunzell JD, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):583–8
DNA, hyperlipidaemias and atherosclerosis. Kontula K, et al. **Ann Clin Res** 1986;18(5–6):242–9 (73 ref.)
Cloning and sequencing of the blaZ gene encoding beta-lactamase III, a lipoprotein of Bacillus cereus 569/H. Hussain M, et al. **J Bacteriol** 1987 Feb;169(2):579–86
Wild type and mutant signal peptides of Escherichia coli outer membrane lipoprotein interact with equal efficiency with mammalian signal recognition particle. Garcia PD, et al. **J Biol Chem** 1987 Jul 15;262(20):9463–8
Lp(a) glycoprotein phenotypes. Inheritance and relation to Lp(a)-lipoprotein concentrations in plasma. Utermann G, et al. **J Clin Invest** 1987 Aug;80(2):458–65
Messenger ribonucleic acid for the lipoprotein of the Escherichia coli outer membrane is polyadenylated. Taljanidisz J, et al. **J Mol Biol** 1987 Feb 5;193(3):507–15
The Escherichia coli heat shock regulatory gene is immediately downstream of a cell division operon: the fam mutation is allelic with rpoH. Crickmore N, et al.
MGG 1986 Dec;205(3):535–9
Lipoprotein mutations in pigs are associated with elevated plasma cholesterol and atherosclerosis. Rapacz J, et al.
Science 1986 Dec 19;234(4783):1573–7

HISTORY

[Contribution of Jacques Canal in the field of lipoproteins] Delattre J, et al. **Ann Biol Clin (Paris)** 1986;44(5):527–30

(Eng. Abstr.) (Fre)

IMMUNOLOGY

Serologic and protective cross-reactivity of antisera to Pseudomonas aeruginosa extracellular slime glycolipoprotein. Yushkova NA, et al. **Acta Microbiol Hung** 1986;33(2):147–56

The relationship between liver-specific lipoprotein and the hepatocyte plasma membrane. Bartholomaeus WN, et al. **Immunology** 1987 Mar;60(3):321–9

Brucella outer membrane lipoprotein shares antigenic determinants with Escherichia coli Braun lipoprotein and is exposed on the cell surface. Gómez-Miguel MJ, et al. **Infect Immun** 1987 Jan;55(1):258–62

Expression of a monoclonal antibody-defined aminoterminal epitope of human apoC-I on native and reconstituted lipoproteins. Krul ES, et al. **J Lipid Res** 1987 Jul; 28(7):818–27

ISOLATION & PURIFICATION

Separation and identification of apo-B-containing lipoprotein particles in normolipidemic subjects and patients with hyperlipoproteinemias. Alaupovic P, et al. **Adv Exp Med Biol** 1987;210:7–14

Purification of very high density lipoproteins by differential density gradient ultracentrifugation. Haunerland NH, et al. **Anal Biochem** 1987 Mar;161(2):307–10

Gradient acrylamide/agarose gels for electrophoretic separation of intact human very low density lipoproteins, intermediate density lipoproteins, lipoprotein a, and low density lipoproteins. Lee LT, et al. **Anal Biochem** 1987 May 1;162(2):420–6

The majority of cellular fatty acid acylated proteins are localized to the cytoplasmic surface of the plasma membrane. Wilcox CA, et al. **Biochemistry** 1987 Feb 24; 26(4):1029–36

Comparison of four procedures for separating apolipoprotein A- and apolipoprotein B-containing lipoproteins in plasma. Puchois P, et al. **Clin Chem** 1987 Sep;33(9):1597–602

A new chemical procedure for selective sequential separation of serum lipoproteins. Lippi U, et al. **Ric Clin Lab** 1986 Oct-Dec;16(4):549–53

[Study of unknown substance stained with coloring matter after bacto-agar electrophoresis of lipoprotein. 1. Physical and chemical properties of unknown substance] Kokuryuu H, et al. **Rinsho Byori** 1987 Mar;35(3):325–30 (Jpn)

[Comparability of the results of determining alpha-cholesterol by blood plasma lipoprotein separation using heparin-manganese and magnesium-phosphotungsten mixtures] Khaĭdukova IL, et al. **Lab Delo** 1986;(11):687–9 (Eng. Abstr.) (Rus)

[Extraction of lipoprotein components with emulsions] Iagodin GA, et al. **Vopr Med Khim** 1987 Jan-Feb;33(1):66–9 (Eng. Abstr.) (Rus)

METABOLISM

Studies on human macrophage lipoprotein uptake: relation to atherosclerosis. Angelin B, et al. **Acta Med Scand [Suppl]** 1987;715:45–9

Lipoproteins and atherosclerosis. Proceedings of the Third International Colloquium of the Fondation de Recherche sur l'Athérosclérose de la Communauté Française de Belgique. March 13–15, 1986, Brussels, Belgium. **Adv Exp Med Biol** 1987;210:1–256

The role of the LDL receptor in lipoprotein metabolism. Bilheimer DW, et al. **Adv Exp Med Biol** 1987;210:123–30

The receptor-mediated interaction of lipoproteins with liver cells. van Berkel TJ, et al. **Adv Exp Med Biol** 1987; 210:137–44

Proceedings of the 11th Sigrid Jusélius Symposium on Lipoprotein Metabolism in Relation to Coronary Heart Disease. June 1–5, 1986, Haikko, Finland. **Am Heart J** 1987 Feb;113(2 Pt 2):421–632

Lipoprotein abnormalities in hypertriglyceridemia: significance in atherosclerosis. Eisenberg S. **Am Heart J** 1987 Feb;113(2 Pt 2):555–61 (40 ref.)

Role of apolipoprotein E in lipoprotein metabolism. Havel RJ, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):470–4 (32 ref.)

Abnormal lipoprotein metabolism in non-insulin-dependent diabetes mellitus. Pathogenesis and treatment. Reaven GM. **Am J Med** 1987 Sep 18;83(3A):31–40

Yolk platelet degradation in preemergence Artemia embryos: response to protons in vivo and in vitro. Utterback PJ, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):R774–81

Effects of fat-modified diets on cholesterol and lipoprotein metabolism. McNamara DJ. **Annu Rev Nutr** 1987;7:273–90 (88 ref.)

Lipoprotein changes induced by intravenously administered lipid emulsion leading to arteriosclerotic lesions in the rat. Schrecker O, et al. **Appl Pathol** 1986;4(4):211–8

Accumulation of native and methylated low density lipoproteins by healing rabbit arterial wall. Fischman AJ, et al. **Arterioscler Thromb** 1987 Jul-Aug;7(4):361–6

Medroxyprogesterone acetate and lipid metabolic changes. Teichmann AT, et al. **Arzneimittelforschung** 1987 May; 37(5):573–7

Transport of cholesterol autoxidation products in rabbit lipoproteins. Peng SK, et al. **Atherosclerosis** 1987 Mar; 64(1):1–6

Early and late effects of weight loss on lipoprotein metabolism in severe obesity. Rössner S, et al. **Atherosclerosis** 1987 Apr;64(2–3):125–30

Lipoprotein interaction with artery wall derived proteoglycan: comparisons between atherosclerosis-susceptible WC-2 and resistant Show Racer pigeons. Steele RH, et al. **Atherosclerosis** 1987 May; 65(1–2):63–73

Metabolism of apolipoprotein E-containing human plasma lipoproteins by rat and human cells in culture. Ranganathan S, et al. **Biochem J** 1986 Nov 15;240(1):125–30

Pharmacological modification of lipoprotein metabolism. Shepherd J, et al. **Biochem Soc Trans** 1987 Apr; 15(2):199–201 (16 ref.)

Receptor-mediated endocytosis in steroid hormone-producing tissue. Suckling KE, et al. **Biochem Soc Trans** 1987 Apr;15(2):192–4 (25 ref.)

Regulation of lipoprotein receptors on rat hepatomas in vivo. Barnard GF, et al. **Biochim Biophys Acta** 1986 Dec 5; 879(3):301–12

Characterization and specificity of lipoprotein binding to term human placental membranes. Naoum HG, et al. **Biochim Biophys Acta** 1987 Aug 20;902(2):193–9

Lipopeptides of the N-terminus of Escherichia coli lipoprotein: synthesis, mitogenicity and properties in monolayer experiments. Prass W, et al. **Biochim Biophys Acta** 1987 Jun 12;900(1):116–28

Cholesterol is necessary for triacylglycerol-phospholipid emulsions to mimic the metabolism of lipoproteins. Redgrave TG, et al. **Biochim Biophys Acta** 1987 Sep 4; 921(1):154–7

CL-proteins and the regulation of lipoprotein lipase activity in locust flight muscle. Wheeler CH, et al. **Biol Chem Hoppe Seyler** 1986 Nov;367(11):1127–33

Lipoprotein metabolism in pregnancy, fat transport to the fetus, and the effects of diabetes. Knopp RH, et al. **Biol Neonate** 1986;50(6):297–317 (56 ref.)

Ceroid accumulation by murine peritoneal macrophages exposed to artificial lipoproteins. Ball RY, et al. **Br J Exp Pathol** 1987 Jun;68(3):427–38

Porphyrin-lipoprotein association as a factor in porphyrin localization. Kessel D. **Cancer Lett** 1986 Nov;33(2):183–8

The molecular basis of atherosclerosis: concepts derived from studies of lipoprotein metabolism and cell biology. Mahley RW. **Clin Invest Med** 1986 Nov;9(4):304–8

Alpha-1-adrenergic blockade and lipoprotein metabolism in essential hypertension. Ferrier C, et al. **Clin Pharmacol Ther** 1986 Nov;40(5):525–30

A method for quantifying lipoprotein flux rates between plasma and arterial intima in vivo. Wootton R, et al. **Clin Phys Physiol Meas** 1987 Feb;8(1):65–74

Do upper-body and centralized adiposity measure different aspects of regional body-fat distribution? Relationship to non-insulin-dependent diabetes mellitus, lipids, and lipoproteins. Haffner SM, et al. **Diabetes** 1987 Jan; 36(1):43–51

Diabetes and lipoprotein receptors. Kraemer FB. **Diabetes Metab Rev** 1987 Jul;3(3):591–618 (223 ref.)

The Fao cell. A tissue culture model for lipoprotein synthesis and secretion. I. Characterization of the system. Scarino ML, et al. **Exp Cell Res** 1987 May;170(1):1–14

The Fao cell. A tissue culture model for lipoprotein synthesis and secretion. II. Modulation by lipid depletion and supplementation. Scarino ML, et al. **Exp Cell Res** 1987 May;170(1):15–30

Dose and duration effects of estradiol valerate on serum and lipoprotein lipids. Enk L, et al. **Horm Metab Res** 1986 Aug; 18(8):551–4

Lipoprotein metabolism: hormonal regulation. Weinberg RB. **Hosp Pract [Off]** 1987 Jun 15;22(6):223–7, 230, 233–4 passim

Lipoprotein nature of the colicin A lysis protein: effect of amino acid substitutions at the site of modification and processing. Cavard D, et al. **J Bacteriol** 1987 May; 169(5):2187–94

Induction kinetics and cell surface distribution of Escherichia coli lipoprotein under lac promoter control. Hiemstra H, et al. **J Bacteriol** 1986 Oct;168(1):140–51

Secretion of apolipoprotein A-I in lipoprotein particles following transfection of the human apolipoprotein A-I gene into 3T3 cells. Lamon-Fava S, et al. **J Biol Chem** 1987 Jul 5;262(19):8944–7

The role of apolipophorin III in in vivo lipoprotein interconversions in adult Manduca sexta. Wells MA, et al. **J Biol Chem** 1987 Mar 25;262(9):4172–6

Lipoprotein binding to cultured human hepatoma cells. Krempler F, et al. **J Clin Invest** 1987 Aug;80(2):401–8

Neutralization and lipoprotein binding of lipopolysaccharides in tolerant rabbit serum. Warren HS, et al. **J Infect Dis** 1986 Nov;154(5):784–91

Lipoprotein metabolism in diabetes mellitus. Howard BV. **J Lipid Res** 1987 Jun;28(6):613–28 (141 ref.)

Nascent lipoproteins from recirculating and nonrecirculating liver perfusions and from the hepatic Golgi apparatus of African green monkeys. Johnson FL, et al. **J Lipid Res** 1987 May;28(5):549–64

Blockade of intestinal lipoprotein clearance in rabbits injected with Triton WR 1339-ethyl oleate. Nagata Y, et al. **J Lipid Res** 1987 Jun;28(6):684–92

Interstitial fluid lipoproteins. Sloop CH, et al. **J Lipid Res** 1987 Mar;28(3):225–37 (86 ref.)

Hepatic metabolism and secretion of a cholesterol-enriched lipoprotein fraction. Stone BG, et al. **J Lipid Res** 1987 Feb; 28(2):162–72

Intravascular metabolism of lipoprotein cholesteryl esters in African green monkeys: differential fate of doubly labeled cholesteryl oleate. Thomas MS, et al. **J Lipid Res** 1987 May;28(5):572–81

Lipoprotein composition of human suction-blister interstitial fluid. Vessby B, et al. **J Lipid Res** 1987 Jun;28(6):629–41

Effect of the binding of isradipine and darodipine to different plasma proteins on their transfer through the rat blood-brain barrier. Drug binding to lipoproteins does not limit the transfer of drug. Urien S, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):349–53

Atherosclerotic risk factors in cardiovascular disease. LaRosa JC. **J Reprod Med** 1986 Sep;31(9 Suppl):906–12

Oral contraceptives and lipoprotein metabolism. Tikkanen MJ, et al. **J Reprod Med** 1986 Sep;31(9 Suppl):898–905

A stochastic process approach to the development of atheroma. Descovich GC, et al. **Med Hypotheses** 1987 Jul; 23(3):277–85

Non-insulin-dependent diabetes mellitus, abnormal lipoprotein metabolism, and atherosclerosis. Reaven GM. **Metabolism** 1987 Feb;36(2 Suppl 1):1–8

Changes in lipoproteins with various sex steroids. Teran AZ, et al. **Obstet Gynecol Clin North Am** 1987 Mar;14(1):107–19 (82 ref.)

Mechanisms underlying the dietary fat impact on lipoproteins, atherogenesis and gallstones. Stephan ZF, et al. **Pathol Immunopathol Res** 1986;5(6):468–90 (99 ref.)

Roles of lipoproteins in the initiation and development of atherosclerosis. Daugherty A, et al. **Pharmacol Ther** 1985; 31(3):237–55

Platelet activation by plasma lipoproteins. Aviram M, et al. **Prog Cardiovasc Dis** 1987 Jul-Aug;30(1):61–72 (110 ref.)

Insect lipids and lipoproteins, and their role in physiological processes. Beenakkers AM, et al. **Prog Lipid Res** 1985; 24(1):19–67 (370 ref.)

The role of lipoproteins in the degradation of platelet-activating factor. Ostermann G, et al. **Thromb Res** 1986 Nov 1;44(3):303–14

[Structure and metabolism of lipoproteins] Beucler I, et al. **Ann Biol Clin (Paris)** 1986;44(5):531–5 (34 ref.) (Eng. Abstr.) (Fre)

[Influence of antihypertensive treatment on the metabolism of lipoproteins] Lesobre B. **Ann Med Interne (Paris)** 1987; 138 Suppl 1:23–6 (Fre)

[Lipoproteins, diabetes and macroangiopathy] Capron L. **Journ Annu Diabetol Hotel Dieu** 1987;:67–78 (66 ref.) (Fre)

[Metabolism of lipoproteins in diabetes mellitus] Lopes-Virella MF. **Journ Annu Diabetol Hotel Dieu** 1987; :55–66 (61 ref.) (Fre)

[Metabolism of lipoproteins: role of specific receptors] Mathé D, et al. **Journ Annu Diabetol Hotel Dieu** 1987;:7–21 (39 ref.) (Fre)

[Relation between glucose tolerance, insulin resistance and changes in lipoprotein metabolism in childhood obesity] Ilyés I, et al. **Orv Hetil** 1986 Aug 31;127(35):2117–21 (Eng. Abstr.) (Hun)

[Impaired intermediate-density lipoprotein triglyceride hydrolysis in familial lecithin: cholesterol acyltransferase (LCAT) deficiency] Murano S, et al. **Nippon Naika Gakkai Zasshi** 1987 Jan;76(1):123–7 (Jpn)

[Lipoprotein metabolism and the molecular structure of the LDL receptor] Sunaga T, et al. **Nippon Rinsho** 1987 Jan; 45(1):213–29 (57 ref.) (Jpn)

[Cellular lipoprotein receptors in atherogenesis. II. Receptors for modified lipoproteins in macrophages] Konarska R, et al. **Przegl Lek** 1986;43(11):713–7 (Pol)

[Role and mechanism of lipoprotein lipase activity in lipoprotein metabolism] Piskorska D, et al. **Przegl Lek** 1987; 44(4):406–9 (Pol)

[Molecular mechanisms of hyperlipoproteinemias (review of the literature)] Titov VN, et al. **Lab Delo** 1986;(12):707–15 (53 ref.) (Rus)

[New views on lipoprotein metabolism] Lepšanović L, et al. **Med Pregl** 1986;39(9–10):457–63 (Eng. Abstr.) (Scr)

[Lipoprotein (a) and arteriosclerosis] Masdeu S, et al. **Med Clin (Barc)** 1986 Oct 11;87(11):459–60 (Spa)

[Lipoprotein metabolism (letter)] Blanco Vaca F, et al. **Rev Clin Esp** 1986 Nov;179(7):384 (Spa)

PHARMACODYNAMICS

Cholesterol esterification in mouse peritoneal macrophages in the presence of pathological human plasma lipoproteins. Rotheneder M, et al. **Biol Chem Hoppe Seyler** 1986 Dec; 367(12):1219–22

Role of high-, low- and very low-density lipoproteins in the transport and tumor-delivery of hematoporphyrin in vivo. Barel A, et al. **Cancer Lett** 1986 Aug;32(2):145–50

Lipoprotein modulation of the intracellular localization of protein kinase C and alteration of phorbol ester-stimulated differentiation in the human monoblastic U937 cell line. Ways DK, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6049–53

Lipoprotein requirements for secretion of ultraviolet-absorbing corticosteroids by guinea pig adrenocortical cells in vitro: inner versus outer cortices; zona glomerulosa versus zona fasciculata. Black VH. **Endocrinology** 1987 Feb;120(2):640–50

Effect of plasma lipoproteins in gonadotropin stimulation of 17 beta-estradiol production in the ovarian follicle of rainbow trout (Salmo gairdneri). Babin PJ. **Gen Comp Endocrinol** 1986 Dec;64(3):456–67

PHYSIOLOGY

Heterogeneity of apolipoprotein B containing lipoproteins. Milne RW, et al. **Adv Exp Med Biol** 1987;210:1–5

Effect of plasma lipoproteins on cholesterol accumulation in macrophages: comparison of lipoproteins from normal and homozygous familial hypercholesterolemic subjects. Aviram M, et al. **Atherosclerosis** 1987 Jun;65(3):207–14

Role of lipoproteins in growth of human adult arterial endothelial and smooth muscle cells in low lipoprotein-deficient serum. Chen JK, et al. **J Cell Physiol** 1986 Nov;129(2):207–14

Inhibition of the tissue factor-factor VII complex: involvement of factor Xa and lipoproteins. Hubbard AR, et al. **Thromb Res** 1987 May 15;46(4):527–37

[Effect of lipoprotein on LPL activity of guinea pig alveolar macrophages] Yoshii H. **Nippon Ika Daigaku Zasshi** 1986 Dec;53(6):550–7 (Eng. Abstr.) **(Jpn)**

SECRETION

Alterations of secretory pattern of intestinal lipoproteins by the benzoyl ester derivative of poloxalene surfactant (BEP). Bochenek WJ, et al. **Atherosclerosis** 1987 Apr; 64(2–3):167–72

Compartmentalization of cholesterol in hepatic and intestinal cells: implications for bile and lipoprotein secretion. Stange EF. **Biochem Soc Trans** 1987 Apr;15(2):189–92 (46 ref.)

Phosphatidylcholine synthesis for incorporation into membranes or for secretion as plasma lipoproteins by Golgi membranes of rat liver. Higgins JA, et al. **J Lipid Res** 1987 Mar;28(3):268–78

[Effect of bezafibrate on lipoprotein secretion by cultured human hepatocytes] Podrez EA, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1986;9(2):49–54 (Eng. Abstr.) **(Rus)**

LIPOPROTEINS, HDL

Acute-phase high-density lipoprotein in the rat does not contain serum amyloid A protein. Baltz ML, et al. **Biochem J** 1987 Feb 15;242(1):301–3

Characterization of amyloid proteins AA and SAA as apolipoproteins of high density lipoprotein (HDL). Displacement of SAA from the HDL-SAA complex by apo AI and apo AII. Husebekk A, et al. **Scand J Immunol** 1987 Apr;25(4):375–81

ANALYSIS

Homologues of the human C and A apolipoproteins in the Macaca fascicularis (cynomolgus) monkey. Herbert PN, et al. **Biochemistry** 1987 Mar 10;26(5):1457–63

Separation and characterization of high-density lipoprotein subpopulations by gel permeation chromatography. Clifton PM, et al. **J Chromatogr** 1987 Feb 20;414(1):25–34

[Studies on duck serum lipoproteins. VI. Isolation and characterization of HDL-apo C II] Wang KQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Oct; 8(5):325–8 (Eng. Abstr.) **(Chi)**

BIOSYNTHESIS

Proapolipoprotein-converting enzymes and high-density lipoprotein early events in biogenesis. Scanu AM. **Am Heart J** 1987 Feb;113(2 Pt 2):527–32 (27 ref.)

Nascent high density lipoproteins from liver perfusates of orotic acid-fed rats. Hamilton RL, et al. **J Lipid Res** 1986 Sep;27(9):967–78

BLOOD

Reduced high density lipoproteins as a risk factor after acute myocardial infarction. Franzén J, et al. **Acta Med Scand** 1987;221(4):357–62

Hypoalphalipoproteinemia resembling fish eye disease. Frohlich J, et al. **Acta Med Scand** 1987;221(3):291–8

In vitro normalization of cholesteryl ester content and particle size of fish eye disease high density lipoproteins. Holmquist L, et al. **Acta Med Scand** 1987;221(3):283–9

Alpha-lecithin:cholesterol acyltransferase deficiency. Lack of both phospholipase A2 and acyltransferase activities characteristic of high density lipoprotein lecithin:cholesterol acyltransferase in fish eye disease. Holmquist L, et al. **Acta Med Scand** 1987;222(1):23–6

Inhibitory effect of normal high density lipoproteins on lecithin:cholesterol acyltransferase activity in fish eye disease plasma. Holmquist L, et al. **Acta Med Scand** 1987; 222(1):15–21

Evidence that an extract of Staphylococcus capitis can precipitate human serum HDL2. Osland A, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Dec; 94(6):387–92

Modifications and degradation of high density lipoproteins. Angel A, et al. **Adv Exp Med Biol** 1986;201:37–49 (42 ref.)

Severe hypoalphalipoproteinemia induced by a combination of probucol and clofibrate. Davignon J, et al. **Adv Exp Med Biol** 1986;201:111–25 (36 ref.)

Speciation of HDL. Kane JP. **Adv Exp Med Biol** 1986; 201:29–35 (51 ref.)

Metabolic interrelationships of HDL subclasses. Krauss RM, et al. **Adv Exp Med Biol** 1986;201:17–27 (25 ref.)

Metabolic determinants of plasma high-density lipoprotein concentration in humans. Miller NE. **Adv Exp Med Biol** 1987;210:111–5

HDL and coronary heart disease: a familial trend. Pometta D, et al. **Adv Exp Med Biol** 1987;210:219–24

Genetic high density lipoprotein deficiency states and atherosclerosis. Schaefer EJ, et al. **Adv Exp Med Biol** 1986; 201:1–15 (79 ref.)

Control of plasma HDL levels after plasmapheresis. Thompson GR, et al. **Adv Exp Med Biol** 1986;201:127–35 (27 ref.)

Associations of high-density lipoprotein subclasses and apolipoproteins with ischemic heart disease and coronary atherosclerosis. Miller NE. **Am Heart J** 1987 Feb;113(2 Pt 2):589–97 (43 ref.)

Plasma high-density lipoprotein concentration and subfraction distribution in relation to triglyceride metabolism. Nikkilä EA, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):543–8 (31 ref.)

Relation of serum total cholesterol and high-density lipoprotein cholesterol percentage to the incidence of definite coronary events: twenty-year follow-up of the Donolo-Tel Aviv Prospective Coronary Artery Disease Study. Brunner D, et al. **Am J Cardiol** 1987 Jun 1; 59(15):1271–6

Serum cholesterol, triglyceride, and high-density-lipoprotein concentrations in men with different dietary and exercise regimens in Puriscal, Costa Rica. Whitmore L, et al. **Arch Latinoam Nutr** 1986 Jun;36(2):237–46

Lack of sex differences in high density lipoproteins in Pima Indians. Studies of obesity, lipase activities, and steroid hormones. Howard BV, et al. **Arteriosclerosis** 1987 May-Jun;7(3):292–300

Dietary effects on serum lipoproteins of dyslipoproteinemic baboons with high HDL1. McGill HC Jr, et al. **Arteriosclerosis** 1986 Nov-Dec;6(6):651–63

Alteration of high density lipoprotein subfractions of nonhuman primates fed fish-oil diets. Selective lowering of HDL subfractions of intermediate size and density [published erratum appears in Arteriosclerosis 1987 Jul-Aug;7(4):440] Parks JS, et al. **Arteriosclerosis** 1987 Jan-Feb;7(1):71–9

High density lipoprotein subfractions and coronary risk factors in normal men. Robinson D, et al. **Arteriosclerosis** 1987 Jul-Aug;7(4):341–6

Studies on the relationship between the cholesterol content in total high density lipoprotein and its subfractions, HDL2 and HDL3 in normo- and hyperlipidemic subjects. Demacker PN, et al. **Atherosclerosis** 1986 Sep;61(3):225–9

High density lipoprotein subfractions during continuous insulin infusion therapy. Helve E. **Atherosclerosis** 1987 Apr; 64(2–3):173–80

Characterization of high density lipoproteins from patients with severe hypertriglyceridemia. Jackson RL, et al. **Atherosclerosis** 1987 Jul;66(1–2):37–43

Comparison of atherosclerotic lesions and HDL-lipid levels in male, female, and testosterone-treated female mice from strains C57BL/6, BALB/c, and C3H. Paigen B, et al. **Atherosclerosis** 1987 Apr;64(2–3):215–21

Distribution and composition of HDL subclasses in students whose parents suffered prematurely from a myocardial infarction in comparison with controls. Rosseneu M, et al. **Atherosclerosis** 1987 Feb;63(2–3):231–4

Restriction-fragment-length polymorphisms in the A-I–C–III gene complex occurring in a family with hypoalphalipoproteinemia. Sidoli A, et al. **Atherosclerosis** 1986 Oct;62(1):81–7

The interaction of lipolysis products of very low density lipoprotein with plasma high density lipoprotein (HDL): perfusate HDL with plasma HDL subfractions. Tam SP, et al. **Biochem Cell Biol** 1987 Mar;65(3):252–60

A hyperalphalipoproteinaemic family with normal cholesteryl ester transfer/exchange activity. Groener JE, et al. **Biochem J** 1987 Feb 15;242(1):27–31

Fluorescence quenching studies of apolipoprotein A-I in solution and in lipid-protein complexes: protein dynamics. Mantulin WW, et al. **Biochemistry** 1986 Dec 2; 25(24):8034–42

Self-association and phospholipid binding properties of iodinated apolipoprotein A-I. Patterson BW, et al. **Biochemistry** 1986 Aug 26;25(17):4953–7

The effect of variations in lipid composition of high-density lipoprotein on its interaction with receptors on human fibroblasts. Brinton EA, et al. **Biochim Biophys Acta** 1987 Jul 13;920(1):68–75

Quantitative determination of apolipoprotein A-I in high-density lipoproteins and 'free' apolipoprotein A-I by two-dimensional agarose gel lipoprotein-'rocket' immunoelectrophoresis of human serum. Daerr WH, et al. **Biochim Biophys Acta** 1986 Nov 14;879(2):134–9

Human plasma lipid transfer protein catalyzes the speciation of high density lipoproteins. Ellsworth JL, et al. **Biochim Biophys Acta** 1987 Apr 24;918(3):260–6

Alterations of surface charges of plasma lipoproteins in ischemic heart disease. Panasenko OM, et al. **Biomed Biochim Acta** 1987;46(1):97–102

Study of serum lipids and lipoproteins of healthy subjects in Shanghai. Zhuang HZ, et al. **Chin Med J [Engl]** 1986 Aug;99(8):657–9

Falsely high values for triglyceride in ultrafiltered HDL supernates. Kiss Z, et al. **Clin Chem** 1987 Mar;33(3):418–9

Assay of cholesterol in high-density lipoprotein in hypertriglyceridemic sera [letter] Lippi U, et al. **Clin Chem** 1986 Nov;32(11):2118–9

Cholesteryl ester transfer activity in plasma measured by using solid-phase-bound high-density lipoprotein. Sparks DL, et al. **Clin Chem** 1987 Mar;33(3):390–3

D-galactosamine induced hepatitis in the rabbit: effect on lecithin:cholesterol acyltransferase activity, plasma lipid transfer protein activity and high density lipoproteins. Abbey M, et al. **Comp Biochem Physiol [B]** 1986; 85(3):659–67

Effect of Eimeria acervulina infection on chick (Gallus domesticus) high density lipoprotein composition. Allen PC. **Comp Biochem Physiol [B]** 1987;87(2):313–9

HDL metabolism in diabetes. Chen YD, et al. **Diabetes Metab Rev** 1987 Jul;3(3):653–68 (92 ref.)

Distribution of high-density lipoprotein 2 and 3 constituents during in vitro phospholipid hydrolysis. Perret BP, et al. **Eur J Biochem** 1987 Jan 15;162(2):279–86

Effect of the composition of very low and low density lipoproteins on the rate of cholesterylester transfer from high density lipoproteins in man, studied in vitro. Dullaart RP, et al. **Eur J Clin Invest** 1987 Jun;17(3):241–8

Apolipoproteins AI, AII and HDL phospholipids but not APO-B are risk indicators for occlusive cerebrovascular disease. Kostner GM, et al. **Eur Neurol** 1986;25(5):346–54

Marked fall in high-density lipoprotein following isotretinoin therapy: report of a case in a weight lifter on anabolic steroids [letter] Hoag GN, et al. **J Am Acad Dermatol** 1987 Jun;16(6):1264–5

Ascorbic acid, HDL, and total plasma cholesterol in the elderly. Jacques PF, et al. **J Am Coll Nutr** 1987 Apr; 6(2):169–74

Apolipoproteins and the association of egg yolk proteins with plasma high density lipoproteins after ovulation and follicular atresia in the rainbow trout (Salmo gairdneri). Babin PJ. **J Biol Chem** 1987 Mar 25;262(9):4290–6

HDL apolipoprotein A-I and HDL apolipoprotein A-II concentrations in male company employees in Westphalia aged 40 years and older. Schriewer H, et al. **J Clin Chem Clin Biochem** 1986 Sep;24(9):627–35

High density lipoprotein (HDL) metabolism in noninsulin-dependent diabetes mellitus: measurement of HDL turnover using tritiated HDL. Golay A, et al. **J Clin Endocrinol Metab** 1987 Sep;65(3):512–8

Effect of dietary fat saturation on plasma lipoproteins and high density lipoprotein metabolism of the rhesus monkey. Chong KS, et al. **J Clin Invest** 1987 Mar;79(3):675–83

High density lipoprotein2. Relationship of the plasma levels of this lipoprotein species to its composition, to the magnitude of postprandial lipemia, and to the activities of lipoprotein lipase and hepatic lipase. Patsch JR, et al. **J Clin Invest** 1987 Aug;80(2):341–7

Distribution and localization of lecithin:cholesterol acyltransferase and cholesteryl ester transfer activity in A-I-containing lipoproteins. Cheung MC, et al. **J Lipid Res** 1986 Nov;27(11):1135–44

Role of insulin in regulation of high density lipoprotein metabolism. Golay A, et al. **J Lipid Res** 1987 Jan;28(1):10–8

Role of triglyceride-rich lipoproteins and hepatic lipase in determining the particle size and composition of high density lipoproteins. Hopkins GJ, et al. **J Lipid Res** 1986 Dec;27(12):1265–77

Prebeta-migrating high density lipoprotein: quantitation in normal and hyperlipidemic plasma by solid phase radioimmunoassay following electrophoretic transfer. Ishida BY, et al. **J Lipid Res** 1987 Jul;28(7):778–86

Transfer of cholesterol and a fluorescent cholesterol analog, 3'-pyrenylmethyl-23,24-dinor-5-cholen-22-oate-3 beta-ol, between human plasma high density lipoproteins. Kao YJ, et al. **J Lipid Res** 1986 Jul;27(7):781–5

Divergent effects of d-norgestrel on the metabolism of rat very low density and low density apolipoprotein B. Khokha R, et al. **J Lipid Res** 1986 Jul;27(7):699–705

ApoA-IV metabolism in the rat: role of lipoprotein lipase and apolipoprotein transfer. Lefevre M, et al. **J Lipid Res** 1986 Nov;27(11):1163–73

Pathways in the formation of human plasma high density lipoprotein subpopulations containing apolipoprotein A-I without apolipoprotein A-II. Nichols AV, et al. **J Lipid Res** 1987 Jun;28(6):719–32

gem-Diphosphonate and gem-phosphonate-phosphate compounds with specific high density lipoprotein inducing activity. Nguyen LM, et al. **J Med Chem** 1987 Aug; 30(8):1426–33

Altered high density lipoprotein composition in manganese-deficient Sprague-Dawley and Wistar rats. Kawano J, et al. **J Nutr** 1987 May;117(5):902–6

Alteration of lipoprotein profile during total parenteral nutrition with intralipid 10%. Tashiro T, et al. **JPEN J Parenter Enteral Nutr** 1986 Nov-Dec;10(6):622–6

Apolipoprotein A-I and apolipoprotein B in survivors of myocardial infarction. Karira K, et al. **JPMA** 1987 Feb; 37(2):44–7

Effect of oral and injectable contraceptives on low density and high density lipoproteins. Shafique M, et al. **JPMA** 1986 Oct;36(10):267–9

Effect of monounsaturated fatty acids versus complex carbohydrates on high-density lipoproteins in healthy men and women. Mensink RP, et al. **Lancet** 1987 Jan 17; 1(8525):122–5

Net lipid transfer between lipoproteins in fish-eye disease plasma supplemented with normal high density lipoproteins. Holmquist L, et al. **Lipids** 1987 May; 22(5):305–11

Post-heparin plasma hepatic lipase activity as predictor of

high-density lipoprotein response to progestogen therapy: studies with cyproterone acetate. Tikkanen MJ, et al. **Maturitas** 1987 Apr;9(1):81-6

Increase in plasma high-density lipoprotein concentration following complete androgen blockage in men with prostatic carcinoma. Moorjani S, et al. **Metabolism** 1987 Mar;36(3):244-50

The independent effects of dietary weight loss and aerobic training on high density lipoproteins and apolipoprotein A-I concentrations in obese men. Schwartz RS. **Metabolism** 1987 Feb;36(2):165-71

High-density lipoproteins in untreated idiopathic nephrotic syndrome without renal failure. Joven J, et al. **Nephrol Dial Transplant** 1987;2(3):149-53

Lipoprotein lipid abnormalities in healthy renal transplant recipients: persistence of low HDL2 cholesterol. Ettinger WH, et al. **Nephron** 1987;47(1):17-21

Theoretical modeling to predict physiological indicants of cardiac preventive behaviors. Murdaugh CL, et al. **Nurs Res** 1987 Sep-Oct;36(5):284-91

Ath-1, a gene determining atherosclerosis susceptibility and high density lipoprotein levels in mice. Paigen B, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3763-7

Type II hyperlipoproteinemia, hyperapobetalipoproteinemia, and hyperalphalipoproteinemia following renal transplantation: implications for atherogenic risk. Lowry RP, et al. **Transplant Proc** 1987 Aug;19(4):3426-30

Posttransplantation monitoring of high-density lipoprotein-associated serum amyloid A protein: a new diagnostic aid in the detection of renal allograft rejection. Maury CP, et al. **Uremia Invest** 1985-86;9(2):277-80

[HDL receptor activities in patients with familial hypercholesterolemia] Cai HJ. **Chung Hua I Hsueh Tsa Chih** 1986 Aug;66(8):469-72, 512 (Eng. Abstr.) **(Chi)**

[HDL2 and HDL3 cholesterol in men and women in different forms of hyperlipidemia without arterial involvement] Rozensztajn L, et al. **Pathol Biol (Paris)** 1986 Nov; 34(9):988-92 (Eng. Abstr.) **(Fre)**

[Primary familial hyper-alpha-lipoproteinemia in Israel] Raveh D, et al. **Harefuah** 1986 Nov 16;111(10):285-7 (Eng. Abstr.) **(Heb)**

[Plasma lipids and lipoproteins in patients with xanthelasma: significance of low levels of high-density lipoproteins in the normolipemic patients] Yamamoto A. **Nippon Hifuka Gakkai Zasshi** 1986 Dec;96(14):1669-75 **(Jpn)**

[Alcohol and HDL (high density lipoproteins)] Wehr H. **Pol Arch Med Wewn** 1986 Jun;75(6):461-5 (25 ref.) **(Pol)**

[The rate of elimination of homologous and heterologous native and modified high density lipoproteins from rabbit plasma after their intravenous administration] Polikarpova LI, et al. **Vopr Med Khim** 1986 Jul-Aug;32(4):63-72 (Eng. Abstr.) **(Rus)**

[Biochemistry of the development cycle of Triatoma infestans (vinchuca). X. Hemolymph lipoproteins of females] Fichera LE, et al. **Acta Physiol Pharmacol Latinoam** 1986; 36(3):265-75 (Eng. Abstr.) **(Spa)**

[Composition of high-density lipoproteins and their subfractions. Changes in survivors of acute myocardial infarction and hyperlipemia] Gómez Gerique JA, et al. **Med Clin (Barc)** 1986 Sep 20;87(8):322-5 (Eng. Abstr.) **(Spa)**

[Effect of dietary olive oil on plasma high density lipoproteins] Ascaso JF, et al. **Rev Clin Esp** 1987 May; 180(9):486-8 (Eng. Abstr.) **(Spa)**

CHEMICAL SYNTHESIS

Synthetic high density lipoprotein particles. Application to studies of the apoprotein specificity for selective uptake of cholesterol esters. Pittman RC, et al. **J Biol Chem** 1987 Feb 25;262(6):2435-42

CLASSIFICATION

Apolipoprotein A-IMilano. Correlation between high density lipoprotein subclass distribution and triglyceridemia. Franceschini G, et al. **Arteriosclerosis** 1987 Jul-Aug; 7(4):426-35

DEFICIENCY

Reversible deficiency of serum high density lipoproteins in Hodgkin's disease. Herbert PN, et al. **Cancer Invest** 1986; 4(4):301-3

[Tangier disease. Presentation of a case] Salazar M, et al. **Bol Med Hosp Infant Mex** 1986 Oct;43(10):642-6 (Eng. Abstr.) **(Spa)**

GENETICS

Multivariate analysis of lipoprotein cholesterol fractions. Vogler GP, et al. **Am J Epidemiol** 1987 Apr;125(4):706-19

Inheritance of high density lipoprotein and lipoprotein lipase and hepatic lipase activity. Kuusi T, et al. **Arteriosclerosis** 1987 Jul-Aug;7(4):421-5

The primary structure of cynomolgus monkey apolipoprotein A-1 deduced from the cDNA sequence: comparison to the human sequence. Polites HG, et al. **Gene** 1986; 49(1):103-10

Detection of a new Msp I restriction fragment length polymorphism in the apolipoprotein A-I gene. Funke H, et al. **J Clin Chem Clin Biochem** 1987 Mar;25(3):131-4

BanI dimorphic site in the third intron of the human apolipoprotein AI gene (Apo A1). Frossard PM, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):381

[Immunogenetic systems of the mink: problems of evolution] Baranov OK. **Genetika** 1987 Jun;23(6):1026-37 **(Rus)**

IMMUNOLOGY

Use of monoclonal antibodies to human apo A-I in the determination of antigenic sites present on HDL surface. Ayrault-Jarrier M, et al. **Adv Exp Med Biol** 1987;210:23-30

Epitope expression in purified and lipid-bound forms of human apoprotein A-I. James RW, et al. **Adv Exp Med Biol** 1987;210:31-5

Expression of human apolipoprotein A-I epitopes in high density lipoproteins and in serum. Marcel YL, et al. **J Lipid Res** 1987 Jul;28(7):768-77

ISOLATION & PURIFICATION

Purification and properties of a very high density lipoprotein from the hemolymph of the honeybee Apis mellifera. Shipman BA, et al. **Biochemistry** 1987 Apr 7;26(7):1885-9

Properties of serum high-density lipoproteins in the crab, Cancer antennarius Stimpson. Spaziani E, et al. **Comp Biochem Physiol [B]** 1986;85(2):307-14

[Isolation, purification and characterization of tree shrew serum lipoproteins] Chen BS, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1987 Apr; 9(2):135-9 (Eng. Abstr.) **(Chi)**

METABOLISM

Cultured fibroblast interactions with LDL and HDL from healthy subjects on various dietary fats. Baudet MF, et al. **Adv Exp Med Biol** 1987;210:189-94

HDL binding to human adipocyte plasma membranes: regional variation in omental and subcutaneous depots. Fong B, et al. **Adv Exp Med Biol** 1986;201:61-6 (36 ref.)

Diet and HDL metabolism: high carbohydrate vs. high fat diets. Jackson RL, et al. **Adv Exp Med Biol** 1987;210:165-72

The role of LCAT and cholesteryl ester transfer proteins for the HDL and LDL structure and metabolism. Kostner GM, et al. **Adv Exp Med Biol** 1987;210:79-86

Effect of diabetes mellitus and end-stage renal disease on HDL metabolism. Tan MH. **Adv Exp Med Biol** 1986; 201:51-9

HDL subfractions, HDL receptors and HDL turnover. van Tol A, et al. **Adv Exp Med Biol** 1987;210:15-21

The interaction of high-density lipoproteins with extrahepatic cells. Bierman EL, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):549-50

High-density lipoprotein turnover. Nestel PJ. **Am Heart J** 1987 Feb;113(2 Pt 2):518-21 (25 ref.)

Regional variation in HDL metabolism in human fat cells: effect of cell size. Despres JP, et al. **Am J Physiol** 1987 May;252(5 Pt 1):E654-9

Downregulation of high density lipoprotein receptor activity of cultured fibroblasts by platelet-derived growth factor. Oppenheimer MJ, et al. **Arteriosclerosis** 1987 Jul-Aug; 7(4):325-32

HDL clearance and receptor-mediated catabolism of LDL are reduced in hypothyroid rats. Gross G, et al. **Atherosclerosis** 1987 Aug;66(3):269-75

Enhanced binding of low and high density lipoproteins to human adipocyte plasma membranes: effects of temperature and proteases. Fong BS, et al. **Biochem Cell Biol** 1986 Dec; 64(12):1378-82

The role of apolipoprotein A-I and apolipoprotein A-II in high-density lipoprotein binding to human adipocyte plasma membranes. Fong BS, et al. **Biochim Biophys Acta** 1987 Jul 31;920(2):105-13

Preferential binding of [3H]cholesteryl linoleyl ether-HDL3 by bovine adrenal membranes. Israeli A, et al. **Biochim Biophys Acta** 1987 Aug 7;902(1):128-32

The role of apolipoproteins of HDL in the selective uptake of cholesteryl linoleyl ether by cultured rat and bovine adrenal cells. Leitersdorf E, et al. **Biochim Biophys Acta** 1986 Oct 3;878(3):320-9

Characterization of the specific binding of rat apolipoprotein E-deficient HDL to rat hepatic plasma membranes. Mitchel YB, et al. **Biochim Biophys Acta** 1987 Feb 14; 917(2):324-32

Metabolism of high-density lipoproteins in cultured rat luteal cells. Rajan VP, et al. **Biochim Biophys Acta** 1987 Sep 4; 921(1):25-37

Cholesterol regulates high-density lipoprotein interaction with isolated epithelial cells of human small intestine. Sviridov DD, et al. **Biochim Biophys Acta** 1987 Jun 23; 919(3):266-74

In vitro formation of HDL-2 from HDL-3 and triacylglycerol-rich lipoproteins by the action of lecithin:cholesterol acyltransferase and cholesterol ester transfer protein. Zechner R, et al. **Biochim Biophys Acta** 1987 Mar 13;918(1):27-35

Effects of seven low dose combined oral contraceptives on high density lipoprotein subfractions. van der Vange N, et al. **Br J Obstet Gynaecol** 1987 Jun;94(6):559-67

High density lipoproteins, diabetes and diabetic macrovascular disease. Seviour PW, et al. **Diabetic Med** 1985 Sep;2(5):348-51 (30 ref.)

Free apolipoproteins A-I and A-IV present in human plasma displace high-density lipoprotein on cultured bovine aortic endothelial cells. Savion N, et al. **Eur J Biochem** 1987 Apr 15;164(2):435-43

Regional variation in high-density lipoprotein binding to human adipocyte plasma membranes of massively obese subjects. Salter AM, et al. **Eur J Clin Invest** 1987 Feb; 17(1):16-22

Cholesterol feeding to rats does not modulate the expression of binding sites for HDL on liver membranes. Maggi FM, et al. **Experientia** 1986 Oct 15;42(10):1155-7

Influence of prostaglandins on the lipid transfer between human high density and low density lipoproteins. Muzya GI, et al. **FEBS Lett** 1987 Aug 17;220(2):371-5

Distinction in the mode of receptor-mediated endocytosis between high density lipoprotein and acetylated high density lipoprotein: evidence for high density lipoprotein receptor-mediated cholesterol transfer. Murakami M, et al. **J Biochem (Tokyo)** 1987 Mar;101(3):729-41

Provision of cholesterol to lymphocytes by high density and low density lipoproteins. Requirement for low density lipoprotein receptors. Cuthbert JA, et al. **J Biol Chem** 1987 Jun 5;262(16):7808-18

Apolipoprotein A-IV. A determinant for binding and uptake of high density lipoproteins by rat hepatocytes. Dvorin E, et al. **J Biol Chem** 1986 Nov 25;261(33):15714-8

Identification and characterization of a high density lipoprotein-binding protein in cell membranes by ligand blotting. Graham DL, et al. **J Biol Chem** 1987 Jun 5; 262(16):7439-42

Human plasma cholesteryl ester transfer protein enhances the transfer of cholesteryl ester from high density lipoproteins into cultured HepG2 cells. Granot E, et al. **J Biol Chem** 1987 Mar 15;262(8):3482-7

Influence of different molecular species of phosphatidylcholine on cholesterol transport from lipoprotein recombinants in the rat. Leduc R, et al. **J Biol Chem** 1987 Jun 5;262(16):7680-5

Interaction of high density lipoprotein with its receptor on cultured fibroblasts and macrophages. Evidence for reversible binding at the cell surface without internalization. Oram JF, et al. **J Biol Chem** 1987 Feb 15; 262(5):2405-10

A nonendocytotic mechanism for the selective uptake of high density lipoprotein-associated cholesterol esters. Pittman RC, et al. **J Biol Chem** 1987 Feb 25;262(6):2443-50

High density lipoprotein and low density lipoprotein utilization by human granulosa cells for progesterone synthesis in serum-free culture: respective contributions of free and esterified cholesterol. Parinaud J, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):409-17

Lecithin:cholesterol acyltransferase-induced modifications of liver perfusate discoidal high density lipoproteins from African green monkeys. Babiak J, et al. **J Lipid Res** 1986 Dec;27(12):1304-17

Tetranitromethane modification of human high density lipoprotein (HDL3): inactivation of high density lipoprotein binding is not related to cross-linking of phospholipids to apoproteins. Chacko GK, et al. **J Lipid Res** 1987 Mar;28(3):332-7

In vivo conversion of human HDL3 to HDL2 and apoE-rich HDL1 in the rat: effects of lipid transfer protein. Gavish D, et al. **J Lipid Res** 1987 Mar;28(3):257-67

Interaction of Tangier lipoproteins with cholesteryl ester-laden mouse peritoneal macrophages. Schmitz G, et al. **J Lipid Res** 1987 Jan;28(1):87-99

Metabolism of high-density lipoprotein in the hyperlipidemic, diabetic SHR/N-corpulent rat. Cohn JS, et al. **Metabolism** 1987 Mar;36(3):230-6

Analysis of phospholipid transfer during HDL binding to platelets using a fluorescent analog of phosphatidylcholine. Martin-Nizard F, et al. **Thromb Res** 1987 Jun 15; 46(6):811-25

[The distribution of HDL and LDL on the cell membrane of both endothelial and smooth muscle cells of the aorta as well as the liver cells in tree shrews] Liang P. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Jun;15(2):102-5 (Eng. Abstr.) **(Chi)**

[Studies on duck serum lipoproteins. VIII. Studies on biological activity and metabolism of HDL-apo C II in vitro] Li XZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1987 Apr; 9(2):89-94 (Eng. Abstr.) **(Chi)**

[Changes in HDL and their relevance in determining the vascular risk in obese subjects] De Mattia G, et al. **Clin Ter** 1986 Dec 15;119(5):369-72 (Eng. Abstr.) **(Ita)**

[Catabolism of native and modified high-density lipoproteins in rabbits] Klimov AN, et al. **Vopr Med Khim** 1987 Mar-Apr;33(2):106-11 (Eng. Abstr.) **(Rus)**

[High-density lipoproteins and atherosclerosis] Joven J, et al. **Med Clin (Barc)** 1986 Oct 11;87(11):468-71 (97 ref.) **(Spa)**

PHARMACODYNAMICS

HDL-induced cardiac prostacyclin synthesis: relative contribution of HDL apoprotein and lipid. Van Sickle WA, et al. **Biochem Biophys Res Commun** 1986 Sep 14; 139(2):416-23

Inhibition of human and rat lipoprotein lipase by high-density lipoprotein. Jones SM, et al. **Biochim Biophys Acta** 1986 Sep 12;878(2):250-7

Effect of retina-derived basic and acidic fibroblast growth factor and lipoproteins on the proliferation of retina-derived capillary endothelial cells. Gospodarowicz

D, et al. **Exp Eye Res** 1986 Sep;43(3):459–76

High- and low-density lipoproteins stimulate progesterone production in cultured human granulosa cells. Enk L, et al. **Hum Reprod** 1987 May;2(4):291–5

Growth of myoblasts in lipoprotein-supplemented, serum-free medium: regulation of proliferation by acidic and basic fibroblast growth factor. Gospodarowicz D, et al. **In Vitro Cell Dev Biol** 1987 Jul;23(7):507–14

Regulation of bile acid synthesis in cultured rat hepatocytes: stimulation by apoE-rich high density lipoproteins. Mackinnon AM, et al. **J Lipid Res** 1987 Jul;28(7):847–55

High density lipoprotein influences the response of rat adrenocortical cells to gamma 3-melanotropin. Pedersen RC, et al. **Mol Cell Endocrinol** 1987 Mar;50(1–2):157–64

Thromboxane A2 (TXA2) formation by washed human platelets under the influence of low and high density lipoproteins from healthy donors. Beitz J, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2–3):303–9

[Effect of LDL and HDL on the morphology of human vascular endothelial cells in vitro] Wei SM. **Chung-hua Ping Li Hsueh Tsa Chih** 1987 Mar;16(1):43–6 (Eng. Abstr.) **(Chi)**

[Antioxidant effect of high-density lipoproteins in the peroxidation of low-density lipoproteins] Klimov AN, et al. **Biull Eksp Biol Med** 1987 May;103(5):550–2 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

HDL from type III dysbetalipoproteinaemic patients show decreased capacity to inhibit VLDL uptake in rat liver endothelial cells. Gustafson S, et al. **Atherosclerosis** 1986 Nov;62(2):145–9

Apolipoproteins AI, AII, and CI stimulate placental lactogen release from human placental tissue. A novel action of high density lipoprotein apolipoproteins. Handwerger S, et al. **J Clin Invest** 1987 Feb;79(2):625–8

High-density lipoproteins inhibit the bacterial lipopolysaccharide mediated increase in oxidative metabolism and lysozyme release by neutrophilic granulocytes in vitro. Wiernik A, et al. **J Clin Lab Immunol** 1986 Nov;21(3):131–5

Regulation of sterol synthesis and of 3-hydroxy-3-methylglutaryl coenzyme A reductase by lipoproteins in glial cells in primary culture. Langan TJ, et al. **J Neurosci Res** 1987;17(4):361–6

[The characteristic transportation of cholesterol by serum lipoproteins and its role in anti-atherogenesis in Beijing duck] Wang KQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Apr; 8(2):88–95 (Eng. Abstr.) **(Chi)**

[Cooperative effect of hydrocortisone, adrenaline and high-density lipoproteins in regulating the glucose-6-phosphate dehydrogenase activity of the liver] Panin LE, et al. **Probl Endokrinol (Mosk)** 1986 Jul–Aug; 32(4):69–71 (Eng. Abstr.) **(Rus)**

LIPOPROTEINS, LDL

Plasma exchange and low density lipoprotein apheresis in Watanabe heritable hyperlipidemic rabbits. Kano M, et al. **Arteriosclerosis** 1987 May–Jun;7(3):256–61

Low-density lipoprotein apheresis and regression of atherosclerotic plaque in vitro. Orekhov AN, et al. **Artif Organs** 1986 Dec;10(6):466–9

Adsorption of low density lipoproteins onto selected biomedical polymers. Dong DE, et al. **J Biomed Mater Res** 1987 Jun;21(6):683–700

ADMINISTRATION & DOSAGE

Preparation of drug–low density lipoprotein complexes for delivery of antitumoral drugs via the low density lipoprotein pathway. Lundberg B. **Cancer Res** 1987 Aug 1;47(15):4105–8

[The effect of hyperlipoproteinemia induced by the administration of an atherogenic lipoprotein fraction on various indices of lipid metabolism in rabbits] Bel'chenko DI, et al. **Vopr Med Khim** 1987 May–Jun;33(3):42–5 (Eng. Abstr.) **(Rus)**

ANALYSIS

Identification of surface-exposed segments of apolipoprotein B-100 in the LDL particle. Forgez P, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):250–7

Are 'precipitated LDL' really low density lipoproteins? Mainard F, et al. **Clin Chim Acta** 1987 Jan 30;162(2):141–6

[Distribution of lipoproteins in the human aorta wall] Babaev VR, et al. **Arkh Patol** 1987;49(5):35–40 (Eng. Abstr.) **(Rus)**

[Diagnostic value of gastric juice pH and beta-lipoprotein determinations in acute pancreatitis] Smirnov DA. **Khirurgiia (Mosk)** 1987 Feb;(2):73–5 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Effect of low density lipoprotein on DNA synthesis of cultured human arterial smooth muscle cells. Oikawa S, et al. **Atherosclerosis** 1987 Mar;64(1):7–12

Very low and low density lipoprotein synthesis and secretion by the human hepatoma cell line Hep-G2: effects of free fatty acid. Ellsworth JL, et al. **J Lipid Res** 1986 Aug; 27(8):858–74

BLOOD

Relationship of intermediate and low-density lipoprotein subspecies to risk of coronary artery disease. Krauss RM. **Am Heart J** 1987 Feb;113(2 Pt 2):578–82 (29 ref.)

The use of measured genotype information in the analysis of quantitative phenotypes in man. II. The role of the apolipoprotein E polymorphism in determining levels, variability, and covariability of cholesterol, betalipoprotein, and triglycerides in a sample of unrelated individuals. Boerwinkle E, et al. **Am J Med Genet** 1987 Jul;27(3):567–82

Familial hypercholesterolaemia: effect of low density lipoproteins on esterification of cholesterol in lymphocytes from homozygous and heterozygous subjects. Hammond KD, et al. **Arch Int Physiol Biochim** 1987 Mar;95(1):75–80

Selective continuous elimination of low density lipoproteins (LDL) by heparin precipitation: first clinical application. Eisenhauer T, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):104–7

Comparison of plasmafractionation filters and filtration techniques in the clinical practice of LDL-apheresis. Kochinke F, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):388–91

The association between serum Lp(a) concentrations and angiographically assessed coronary atherosclerosis. Dependence on serum LDL levels. Armstrong VW, et al. **Atherosclerosis** 1986 Dec;62(3):249–57

Effects of probucol on the composition and in vitro catabolism of LDL in type IIa hypercholesterolemia. Baudet MF, et al. **Atherosclerosis** 1986 Oct;62(1):65–71

Dietary linoleate increases fluidity and influences chemical composition of plasma low density lipoprotein in adult men. Berlin E, et al. **Atherosclerosis** 1987 Aug;66(3):215–25

Plasma low density lipoprotein accumulation in aortas of hypercholesterolemic swine correlates with modifications in aortic glycosaminoglycan composition. Hoff HF, et al. **Atherosclerosis** 1986 Sep;61(3):231–6

Artery wall derived proteoglycan–plasma lipoprotein interaction: lipoprotein binding properties of extracted proteoglycans. Steele RH, et al. **Atherosclerosis** 1987 May; 65(1–2):51–62

Measurement of serum glycosylated proteins and glycosylated low density lipoprotein fraction in diabetes mellitus. Mani I, et al. **Biochem Med Metab Biol** 1987 Apr; 37(2):184–9

Effect of trypsin treatment on the heparin- and receptor-binding properties of human plasma low-density lipoproteins. Cardin AD, et al. **Biochemistry** 1986 Sep 9; 25(18):5258–63

Studies on the substrate specificity of human and pig lecithin: cholesterol acyltransferase: role of low-density lipoproteins. Knipping G, et al. **Biochemistry** 1986 Sep 9; 25(18):5242–9

Apolipoproteins B, C-III and E in two major subpopulations of low-density lipoproteins. Lee DM, et al. **Biochim Biophys Acta** 1986 Nov 14;879(2):126–33

Factors influencing interaction of human plasma low-density lipoproteins with discoidal complexes of apolipoprotein A-I and phosphatidylcholine. Shahrokh Z, et al. **Biochim Biophys Acta** 1986 Sep 12;878(2):152–8

Alterations of surface charges of plasma lipoproteins in ischemic heart disease. Panasenko OM, et al. **Biomed Biochim Acta** 1987;46(1):97–102

Interaction of human low density lipoprotein and apolipoprotein B with ternary lipid microemulsion. Physical and functional properties. Chun PW, et al. **Biophys Chem** 1986 Dec 31;25(3):223–41

The role of insulin resistance in the pathogenesis of myotonic muscular dystrophy. Hudson AJ, et al. **Brain** 1987 Apr;110 (Pt 2):469–88

Platelet-modified low-density lipoproteins: studies in normal subjects and in patients with homozygous familial hypercholesterolemia. Aviram M. **Clin Biochem** 1987 Apr; 20(2):91–5

Stability of subfractions of high-density lipoproteins in stored sera. Jung K, et al. **Clin Chem** 1986 Oct;32(10):1986

The effect of combined fenofibrate and cholestyramine therapy on low-density lipoprotein kinetics in familial hypercholesterolemia patients. Malmendier CL, et al. **Clin Chim Acta** 1987 Jan 30;162(2):221–7

Low density lipoprotein metabolism in non-insulin-dependent diabetes mellitus. Kissebah AH. **Diabetes Metab Rev** 1987 Jul;3(3):619–51 (119 ref.)

Glycosylation of low density lipoprotein in patients with type 1 (insulin-dependent) diabetes: correlations with other parameters of glycaemic control. Lyons TJ, et al. **Diabetologia** 1986 Oct;29(10):685–9

Effect of the composition of very low and low density lipoproteins on the rate of cholesterylester transfer from high density lipoproteins in man, studied in vitro. Dullaart RP, et al. **Eur J Clin Invest** 1987 Jun;17(3):241–8

Changes of serum lipids and lipoproteins during haemodialysis treatment in dialysed chronic uraemic patients. László A, et al. **Int Urol Nephrol** 1986;18(4):463–70

Uptake and metabolism of lactosylceramide on low density lipoproteins in cultured proximal tubular cells from normal and familial hypercholesterolemic homozygotes. Chatterjee S, et al. **J Biol Chem** 1986 Oct 15;261(29):13480–6

Oxidation of human low density lipoprotein results in derivatization of lysine residues of apolipoprotein B by lipid peroxide decomposition products. Steinbrecher UP. **J Biol Chem** 1987 Mar 15;262(8):3603–8

Divergent effects of d-norgestrel on the metabolism of rat very low density and low density apolipoprotein B. Khokha R, et al. **J Lipid Res** 1986 Jul;27(7):699–705

A species comparison of low density lipoprotein heterogeneity in nonhuman primates fed atherogenic diets. Marzetta CA, et al. **J Lipid Res** 1986 Jul;27(7):753–62

Effect of fish oil versus lard diets on the chemical and physical properties of low density lipoproteins of nonhuman primates. Parks JS, et al. **J Lipid Res** 1987 Feb; 28(2):173–82

Altered low density lipoproteins in peripheral vascular disease patients. David JS, et al. **J Surg Res** 1986 Nov; 41(5):538–42

Alteration of lipoprotein profile during total parenteral nutrition with intralipid 10%. Tashiro T, et al. **JPEN J Parenter Enteral Nutr** 1986 Nov–Dec;10(6):622–6

Effect of oral and injectable contraceptives on low density and high density lipoproteins. Shafique M, et al. **JPMA** 1986 Oct;36(10):267–9

Influence of a cod liver oil diet in healthy and insulin-dependent diabetic volunteers on fatty acid pattern, inhibition of prostacyclin formation by low density lipoprotein (LDL) and platelet thromboxane. Beitz J, et al. **Klin Wochenschr** 1986 Sep 1;64(17):793–9

Selective removal of low density lipoproteins (LDL) by precipitation at low pH: first clinical application of the HELP system. Eisenhauer T, et al. **Klin Wochenschr** 1987 Feb 16;65(4):161–8

Acetaldehyde binding increases the catabolism of rat serum low-density lipoproteins. Savolainen MJ, et al. **Life Sci** 1987 Mar 2;40(9):841–6

Integrated study of low density lipoprotein metabolism and very low density lipoprotein metabolism in non-insulin-dependent diabetes. Howard BV, et al. **Metabolism** 1987 Sep;36(9):870–7

Risks of cancer of the colon and rectum in relation to serum cholesterol and beta-lipoprotein. Törnberg SA, et al. **N Engl J Med** 1986 Dec 25;315(26):1629–33

Lipoprotein lipid abnormalities in healthy renal transplant recipients: persistence of low HDL2 cholesterol. Ettinger WH, et al. **Nephron** 1987;47(1):17–21

Photosensitization by porphyrins delivered to L cell fibroblasts by human serum low density lipoproteins. A microspectrofluorometric study. Morliere P, et al. **Photochem Photobiol** 1987 Aug;46(2):183–91

Separation of two different lipoproteins in LDL precipitated with polyvinylsulfate. Lippi U, et al. **Quad Sclavo Diagn** 1986 Sep;22(3):342–4

A comparison of the effects of electroimmobilisation and, or, shearing procedures on ovine plasma concentrations of beta-endorphin/beta-lipoprotein and cortisol. Jephcott EH, et al. **Res Vet Sci** 1987 Jul;43(1):97–100

Type II hyperlipoproteinemia, hyperapobetalipoproteinemia, and hyperalphalipoproteinemia following renal transplantation: implications for atherogenic risk. Lowry RP, et al. **Transplant Proc** 1987 Aug;19(4):3426–30

A simplified colorimetric assay of nonenzymatic glycosylation of human low density lipoproteins in normal and diabetes mellitus. Hahm KS, et al. **Yonsei Med J** 1986; 27(1):7–16

[Cholesterol, phospholipid and apoB composition of LDL: comparison of precipitation and ultracentrifugation methods] Mainard F, et al. **Ann Biol Clin (Paris)** 1986; 44(6):618–23 (Eng. Abstr.) **(Fre)**

[Behavior of so-called cardiovascular risk factors in general practice cardiac therapy—results of selected biochemical parameters of probands with suspect cardiovascular findings in a follow-up program of a 5-year intervention study] Richter K, et al. **Z Gesamte Inn Med** 1986 Nov 1;41(21):598–602 (Eng. Abstr.) **(Ger)**

[Hyperlipoproteinemia as the cause of increased plasma antiheparin activity in patients with arteriosclerosis] Rólkowski R, et al. **Kardiol Pol** 1986;29(3):204–8 (Eng. Abstr.) **(Pol)**

[Affinity hemosorbent for the binding of atherogenic lipoproteins] Lopukhin IuM, et al. **Kardiologiia** 1986 Oct; 26(10):54–7 (Eng. Abstr.) **(Rus)**

[Theoretical and experimental substantiation of immunosorption procedures] Pokrovskiĭ SN, et al. **Kardiologiia** 1986 Oct;26(10):49–54 (Eng. Abstr.) **(Rus)**

[Lipid removal from low-density lipoproteins] Torkhovskaia TI, et al. **Lab Delo** 1987;(6):444–6 (Eng. Abstr.) **(Rus)**

[Effect of fat load on the development and duration of hyperlipoproteinemia] Kalinkin MN, et al. **Patol Fiziol Eksp Ter** 1986 Sep–Oct;(5):3–5 (Eng. Abstr.) **(Rus)**

[Effect of the modification of low density lipoproteins by thrombin on their interaction with fibronectin] Chulkova TM. **Vopr Med Khim** 1986 Nov–Dec;32(6):70–3 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Imaging of human atherosclerotic lesions using 123I-low-density lipoprotein. Sinzinger H, et al. **Eur J Nucl Med** 1986;12(5–6):291–2

GENETICS

Processing of apolipoprotein B-100 of human plasma low density lipoproteins by tissue and plasma kallikreins. Cardin AD, et al. **Adv Exp Med Biol** 1986;198 Pt A:195–202

Multivariate analysis of lipoprotein cholesterol fractions. Vogler GP, et al. **Am J Epidemiol** 1987 Apr;125(4):706–19

A study of the structural heterogeneity of low-density lipoproteins in two patients homozygous for familial

hypercholesterolaemia, one of phenotype E2/2. Luc G, et al. **Eur J Clin Invest** 1986 Oct;16(5):329–37

IMMUNOLOGY

Mapping of human apolipoprotein B antigenic determinants. Marcel YL, et al. **Arteriosclerosis** 1987 Mar–Apr; 7(2):166–75

Detection of human apolipoprotein B polymorphic species with one monoclonal antibody (BIP 45) against low density lipoprotein. Influence of this polymorphism on lipid levels and coronary artery stenosis. Duriez P, et al. **Atherosclerosis** 1987 Jul;66(1–2):153–61

Immunogenicity of malondialdehyde–modified low density lipoproteins. Studies with monoclonal antibodies. Gonen B, et al. **Atherosclerosis** 1987 Jun;65(3):265–72

Immunological detection of low–density lipoproteins modified by malondialdehyde in vitro or in vivo. Salmon S, et al. **Biochim Biophys Acta** 1987 Aug 15;920(3):215–20

Hypolipidemic therapy modulates expression of apolipoprotein B epitopes on low density lipoproteins. Studies in mild to moderate hypertriglyceridemic patients. Kleinman Y, et al. **J Lipid Res** 1987 May;28(5):540–8

Genetic linkage between the antigenic group (Ag) variation and the apolipoprotein B gene: assignment of the Ag locus. Berg K, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(19):7367–70

ISOLATION & PURIFICATION

Removal of low density lipoprotein from blood plasma using cross–linked, sulfated polyvinylalcohol. Maaskant N, et al. **Atherosclerosis** 1986 Nov;62(2):159–66

Selective isolation of human plasma low–density lipoprotein particles containing apolipoproteins B and E by use of a monoclonal antibody to apolipoprotein B. Koren E, et al. **Biochemistry** 1987 May 19;26(10):2734–40

[Isolation, purification and characterization of tree shrew serum lipoproteins] Chen BS, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1987 Apr; 9(2):135–9 (Eng. Abstr.) **(Chi)**

METABOLISM

Metabolism of non–enzymic glycosylated low density lipoprotein by mini pig aortic endothelial cells. Bauer PI, et al. **Acta Biochim Biophys Hung** 1986;21(3):229–36

Cultured fibroblast interactions with LDL and HDL from healthy subjects on various dietary fats. Baudet MF, et al. **Adv Exp Med Biol** 1987;210:189–94

The role of LCAT and cholesteryl ester transfer proteins for the HDL and LDL structure and metabolism. Kostner GM, et al. **Adv Exp Med Biol** 1987;210:79–86

Turnover and interconversion of LDL sub–fractions. Thompson GR, et al. **Adv Exp Med Biol** 1987;210:105–9

The role of altered lipoproteins in the pathogenesis of atherosclerosis. Haberland ME, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):573–7 (52 ref.)

Regulation of low–density lipoprotein apolipoprotein B levels. Kesäniemi YA, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):508–13

Kinetic characteristics and mechanisms of regulation of receptor–dependent and receptor–independent LDL transport in the liver of different animal species and humans. Meddings JB, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):475–81

Enhanced cholesterol elimination and synthesis related to low–density lipoprotein metabolism. Miettinen TA, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):487–93

Metabolic heterogeneity in very low–density lipoproteins. Shepherd J, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):503–8

Kinetics of LDL subfractions. Thompson GR, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):514–7

Uptake of low density lipoproteins by the hamster lung. Interactions with capillary endothelium. Nistor A, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1266–72

Accumulation of native and methylated low density lipoproteins by healing rabbit arterial wall. Fischman AJ, et al. **Arteriosclerosis** 1987 Jul–Aug;7(4):361–6

Uptake of low density lipoprotein, albumin, and water by deendothelialized in vitro minipig aorta. Fry DL, et al. **Arteriosclerosis** 1986 Sep–Oct;6(5):475–90

Superoxide initiates oxidation of low density lipoprotein by human monocytes. Hiramatsu K, et al. **Arteriosclerosis** 1987 Jan–Feb;7(1):55–60

Low density lipoprotein metabolism in human macrophages stimulated with microbial or microbial–related products. Lopes–Virella MF, et al. **Arteriosclerosis** 1987 Mar–Apr; 7(2):176–84

Macrophage oxidation of low density lipoprotein generates a modified form recognized by the scavenger receptor. Parthasarathy S, et al. **Arteriosclerosis** 1986 Sep–Oct; 6(5):505–10

Decrease in reactive amino groups during oxidation or endothelial cell modification of LDL. Correlation with changes in receptor–mediated catabolism. Steinbrecher UP, et al. **Arteriosclerosis** 1987 Mar–Apr;7(2):135–43

Increased uptake of monocyte–treated low density lipoproteins by aortic endothelium in vivo. Görög P, et al. **Atherosclerosis** 1987 May;65(1–2):99–107

HDL clearance and receptor–mediated catabolism of LDL are reduced in hypothyroid rats. Gross G, et al. **Atherosclerosis** 1987 Aug;66(3):269–75

Enhanced degradation of low density lipoprotein in human monocyte–derived macrophages associated with an increase in its free fatty acid content. Hayashi H, et al. **Atherosclerosis** 1987 Jul;66(1–2):139–44

Non–saturable degradation of LDL by monocyte–derived macrophages leads to a reduction in HMG–CoA reductase activity with little synthesis of cholesteryl esters. Knight BL, et al. **Atherosclerosis** 1987 Apr;64(2–3):131–8

Metabolism of native and acetylated low density lipoproteins in squirrel monkeys with emphasis on aortas with varying severities of atherosclerosis. Portman OW, et al. **Atherosclerosis** 1987 Aug;66(3):227–35

Comparison of uptake and degradation of low density lipoproteins by arteries and veins of rabbits. Shafi S, et al. **Atherosclerosis** 1987 Jul;66(1–2):131–8

Low density lipoprotein retention by aortic tissue. Contribution of extracellular matrix. Srinivasan SR, et al. **Atherosclerosis** 1986 Dec;62(3):201–8

A possible antiatherogenic role for phosphocitrate through modulation of low density lipoprotein uptake and degradation in aortic smooth muscle cells. Ward LC, et al. **Atherosclerosis** 1987 May;65(1–2):117–24

Eicosapentaenoic acid inhibits the secretion of triacylglycerol and of apoprotein B and the binding of LDL in Hep G2 cells. Wong S, et al. **Atherosclerosis** 1987 Apr; 64(2–3):139–46

The effect of proteoglycans, collagen and lysyl oxidase on the metabolism of low density lipoprotein by macrophages. Ylä–Herttuala S, et al. **Atherosclerosis** 1986 Oct;62(1):73–80

Inhibition of cellular cholesterol esterification can decrease low density lipoprotein receptor number in human fibroblasts. Middleton B. **Biochem Biophys Res Commun** 1987 May 29;145(1):350–6

Inhibition of the binding of low density lipoproteins to liver membrane receptors by rat serum phosphorylcholine binding protein. Saxena U, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):151–7

Enhanced binding of low and high density lipoproteins to human adipocyte plasma membranes: effects of temperature and proteases. Fong BS, et al. **Biochem Cell Biol** 1986 Dec; 64(12):1378–82

Low–density–lipoprotein binding by mast–cell granules. Demonstration of binding of apolipoprotein B to heparin proteoglycan of exocytosed granules. Kokkonen JO, et al. **Biochem J** 1987 Jan 15;241(2):583–9

Characterization of the binding of human low–density lipoprotein to primary monolayer cultures of rat hepatocytes. Salter AM, et al. **Biochem J** 1986 Dec 1; 240(2):549–57

Evidence for heterogeneity of low–density lipoprotein metabolism in the cynomolgus monkey. Goldberg IJ, et al. **Biochim Biophys Acta** 1986 Nov 14;879(2):179–85

Lipolysis products promote the formation of complexes of very–low–density and low–density lipoproteins. Musliner TA, et al. **Biochim Biophys Acta** 1987 Jun 2;919(2):97–110

Short–term metabolism of cholesteryl ester from low–density lipoprotein in primary monolayers of bovine adrenal cortical cells. Ochoa B, et al. **Biochim Biophys Acta** 1987 Apr 3;918(2):159–67

Association of low–density lipoprotein with particulate connective tissue matrix components enhances cholesterol accumulation in cultured subendothelial cells of human aorta. Orekhov AN, et al. **Biochim Biophys Acta** 1987 May 18;928(3):251–8

Oxidation of low–density lipoprotein by thiol compounds leads to its recognition by the acetyl LDL receptor. Parthasarathy S. **Biochim Biophys Acta** 1987 Feb 14; 917(2):337–40

Role of the liver for the receptor–mediated catabolism of low–density lipoprotein in the 17 alpha–ethinylestradiol–treated rat. Rudling MJ. **Biochim Biophys Acta** 1987 Jun 2;919(2):175–80

Increase in hepatic low–density lipoprotein receptor activity during pregnancy in Watanabe heritable hyperlipidemic rabbits; an animal model for familial hypercholesterolemia. Shiomi M, et al. **Biochim Biophys Acta** 1987 Jan 13; 917(1):92–100

The cell–interactive properties of glucosylated very–low–density and low–density lipoproteins. Turk Z, et al. **Cell Mol Biol** 1987;33(3):345–54

In vivo binding and uptake of low–density lipoprotein–gold– and albumin–gold conjugates by parenchymal and sinusoidal cells of the fetal rat liver. Franke H, et al. **Cell Tissue Res** 1987 Jul;249(1):221–6

Regulation of plasma levels of low–density lipoprotein cholesterol: interpretation of data on low–density lipoprotein turnover in man. Meddings JB, et al. **Circulation** 1986 Oct;74(4):805–14

Influence of a laminar steady–state fluid–imposed wall shear stress on the binding, internalization, and degradation of low–density lipoproteins by cultured arterial endothelium. Sprague EA, et al. **Circulation** 1987 Sep;76(3):648–56

Binding of acetylated low density lipoprotein and maleylated bovine serum albumin to the rat liver: one or two receptors? Dresel HA, et al. **EMBO J** 1987 Feb;6(2):319–26

The inhibition of low density lipoprotein metabolism by transforming growth factor–beta mediates its effects on steroidogenesis in bovine adrenocortical cells in vitro. Hotta M, et al. **Endocrinology** 1987 Jul;121(1):150–9

Binding of low–density lipoprotein and chylomicron remnants to the hepatic low–density lipoprotein receptor of dogs, rats and rabbits demonstraied by ligand blotting. Failure to detect a distinct chylomicron–remnant–binding protein by ligand blotting. Wade DP, et al. **Eur J Biochem** 1986 Sep 1;159(2):333–40

Acetaldehyde modification of low density lipoprotein accelerates its catabolism in man. Kesäniemi YA, et al. **Eur J Clin Invest** 1987 Feb;17(1):29–36

Sterol depletion reduces receptor–mediated low–density lipoprotein binding in NS–1 mouse myeloma cells. Chen JK, et al. **Exp Cell Res** 1987 Jul;171(1):76–85

Effects of retinoids on differentiation, lipid metabolism, epidermal growth factor, and low–density lipoprotein binding in squamous carcinoma cells. Ponec M, et al. **Exp Cell Res** 1987 Aug;171(2):426–35

Group C Niemann–Pick disease: faulty regulation of low–density lipoprotein uptake and cholesterol storage in cultured fibroblasts. Pentchev PG, et al. **FASEB J** 1987 Jul;1(1):40–5

In vitro interaction of the photoactive anticancer porphyrin derivative photofrin II with low density lipoprotein, and its delivery to cultured human fibroblasts. Candide C, et al. **FEBS Lett** 1986 Oct 20;207(1):133–8

Regulation of low density lipoprotein metabolism by 26–hydroxycholesterol in human fibroblasts. Lorenzo JL, et al. **FEBS Lett** 1987 Jun 22;218(1):77–80

Aspirin induces alterations in low–density lipoprotein and decreases its catabolism by cultured human fibroblasts. Mazière C, et al. **FEBS Lett** 1987 Jun 29;218(2):243–6

Influence of prostaglandins on the lipid transfer between human high density and low density lipoproteins. Muzya GI, et al. **FEBS Lett** 1987 Aug 17;220(2):371–5

Binding of low–density lipoprotein to monolayer cultures of rat hepatocytes is increased by insulin and decreased by dexamethasone. Salter AM, et al. **FEBS Lett** 1987 Aug 10;220(1):159–62

Free radical modification of low–density lipoprotein: mechanisms and biological consequences. Heinecke JW. **Free Radic Biol Med** 1987;3(1):65–73 (54 ref.)

Regulation of low density lipoprotein receptor activity in primary cultures of human hepatocytes by serum lipoproteins. Havekes LM, et al. **Hepatology** 1986 Nov–Dec;6(6):1356–60

Glucocorticoid–related impairment in the metabolism of low density lipoprotein by human fibroblasts. Bagdade JD, et al. **Horm Metab Res** 1986 Nov;18(11):768–70

The effect of ethanol on the lipoprotein metabolism of aortic smooth muscle cells. Ruczkal–Pietrzak E, et al. **Int J Biochem** 1986;18(11):1039–44

Provision of cholesterol to lymphocytes by high density and low density lipoproteins. Requirement for low density lipoprotein receptors. Cuthbert JA, et al. **J Biol Chem** 1987 Jun 5;262(16):7808–18

The role of sulfur–containing amino acids in superoxide production and modification of low density lipoprotein by arterial smooth muscle cells. Heinecke JW, et al. **J Biol Chem** 1987 Jul 25;262(21):10098–103

Low density lipoprotein degradation by secretory granules of rat mast cells. Sequential degradation of apolipoprotein B by granule chymase and carboxypeptidase A. Kokkonen JO, et al. **J Biol Chem** 1986 Dec 5;261(34):16067–72

Type C Niemann–Pick disease. Abnormal metabolism of low density lipoprotein in homozygous and heterozygous fibroblasts. Kruth HS, et al. **J Biol Chem** 1986 Dec 15; 261(35):16769–74

Taurine enhances low density lipoprotein binding. Internalization and degradation by cultured Hep G2 cells. Stephan ZF, et al. **J Biol Chem** 1987 May 5;262(13):6069–73

Chinese hamster ovary cell mutant with defective down–regulation of low density lipoprotein receptors. Tomita K, et al. **J Biol Chem** 1987 Jan 25;262(3):1398–404

High density lipoprotein and low density lipoprotein utilization by human granulosa cells for progesterone synthesis in serum–free culture: respective contributions of free and esterified cholesterol. Parinaud J, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):409–17

In vivo evidence for reduced binding of low density lipoproteins to receptors as a cause of primary moderate hypercholesterolemia. Vega GL, et al. **J Clin Invest** 1986 Nov;78(5):1410–4

Specific binding sites for LH/chorionic gonadotrophin, low–density lipoprotein, prolactin and FSH in homogenates of human corpus luteum. I: Validation of methods. Bramley TA, et al. **J Endocrinol** 1987 May;113(2):305–15

Autoxidation of human low density lipoprotein: loss of polyunsaturated fatty acids and vitamin E and generation of aldehydes. Esterbauer H, et al. **J Lipid Res** 1987 May; 28(5):495–509

A low density lipoprotein–sized particle isolated from human atherosclerotic lesions is internalized by macrophages via a non–scavenger–receptor mechanism. Morton RE, et al. **J Lipid Res** 1986 Nov;27(11):1124–34

Role of receptor–independent low density lipoprotein transport in the maintenance of tissue cholesterol balance in the normal and WHHL rabbit. Spady DK, et al. **J Lipid Res** 1987 Jan;28(1):32–41

Low–density lipoprotein metabolism in cerebrotendinous xanthomatosis. Ballantyne CM, et al. **Metabolism** 1987 Mar; 36(3):270–6

Stimulation of mast cells leads to cholesterol accumulation in macrophages in vitro by a mast cell granule–mediated uptake of low density lipoprotein. Kokkonen JO, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2287–91

Oxidatively modified low density lipoproteins: a potential role in recruitment and retention of

monocyte/macrophages during atherogenesis. Quinn MT, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2995–8
Tissue uptake of biologically modified low density lipoprotein in the rat. Henriksen T, et al. **Scand J Clin Lab Invest** 1987 May;47(3):269–75
Influence of prostaglandin E1 on in-vivo accumulation of radiolabeled platelets and LDL on human arteries. Sinzinger H, et al. **Vasa [Suppl]** 1987;17:5–10
Acetylated low-density lipoprotein is endocytosed through coated pits by rat peritoneal macrophages. Fukuda S, et al. **Virchows Arch [B]** 1986;52(1):1–13
[The distribution of HDL and LDL on the cell membrane of both endothelial and smooth muscle cells of the aorta as well as the liver cells in tree shrews] Liang P. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Jun;15(2):102–5 (Eng. Abstr.) **(Chi)**
[Catabolism of low-density lipoproteins via receptors and its regulation] Mazière JC, et al. **Ann Biol Clin (Paris)** 1986; 44(5):545–50 (63 ref.) (Eng. Abstr.) **(Fre)**
[Interaction of gangliosides with low-density proteins from human blood] Timofeeva NG, et al. **Biokhimiia** 1987 Apr; 52(4):650–4 (Eng. Abstr.) **(Rus)**
[Antioxidant effect of high-density lipoproteins in the peroxidation of low-density lipoproteins] Klimov AN, et al. **Biull Eksp Biol Med** 1987 May;103(5):550–2 (Eng. Abstr.) **(Rus)**
[The type of interaction of macrophages with serum low-density lipoproteins partially hydrolyzed by pepsin] Kovaleva GG, et al. **Vopr Med Khim** 1987 Mar–Apr; 33(2):83–6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Low density lipoprotein modulation of porcine coronary artery contractile response to histamine. Davies JM, et al. **Atherosclerosis** 1987 Mar;64(1):21–5
Intracellular mechanisms in the activation of human platelets by low-density lipoproteins. Andrews HE, et al. **Biochem J** 1987 Mar 1;242(2):559–64
Effects of cholesterol and lipoproteins on endocytosis by a monocyte-like cell line. Eafahani M, et al. **Biochim Biophys Acta** 1986 Dec 19;889(3):287–300
Immunomodulating effect of low density lipoprotein on human monocytes. Paragh G, et al. **Clin Exp Immunol** 1986 Jun;64(3):665–72
The insulin-like growth factor, somatomedin-C, modulates low density lipoprotein metabolism by swine granulosa cells. Veldhuis JD, et al. **Endocrinology** 1987 Jul; 121(1):340–6
High- and low-density lipoproteins stimulate progesterone production in cultured human granulosa cells. Enk L, et al. **Hum Reprod** 1987 May;2(4):291–5
Growth of myoblasts in lipoprotein-supplemented, serum-free medium: regulation of proliferation by acidic and basic fibroblast growth factor. Gospodarowicz D, et al. **In Vitro Cell Dev Biol** 1987 Jul;23(7):507–14
Lipoprotein-mediated inhibition of endothelial cell production of platelet-derived growth factor-like protein depends on free radical lipid peroxidation. Fox PL, et al. **J Biol Chem** 1987 May 5;262(13):6046–54
Protein synthesis inhibition in mouse peritoneal macrophages results in increased acyl coenzyme A:cholesterol acyl transferase activity and cholesteryl ester accumulation in the presence of native low density lipoprotein. Tabas I, et al. **J Biol Chem** 1987 Sep 5;262(25):12175–81
Apolipoprotein B mediates the capacity of low density lipoprotein to suppress neutrophil stimulation by particulates. Terkeltaub R, et al. **J Biol Chem** 1986 Nov 25;261(33):15662–7
Foam cell-forming J774 macrophages have markedly elevated acyl coenzyme A:cholesterol acyl transferase activity compared with mouse peritoneal macrophages in the presence of low density lipoprotein (LDL) despite similar LDL receptor activity. Tabas I, et al. **J Clin Invest** 1987 Feb;79(2):418–26
Modulation of endotoxin-induced endothelial cell toxicity by low density lipoprotein. Morel DW, et al. **Lab Invest** 1986 Oct;55(4):419–26
Accumulation of cholesterol ester in cultured smooth muscle cells of congenital hypercholesterolemic (WHHL) rabbits treated with normal and WHHL rabbit plasma LDL. Ecsedi GG, et al. **Methods Find Exp Clin Pharmacol** 1986 Sep;8(9):535–42
Low-density lipoproteins inhibit endothelium-dependent relaxation in rabbit aorta. Andrews HE, et al. **Nature** 1987 May 21–27;327(6119):237–9
Thromboxane A2 (TXA2) formation by washed human platelets under the influence of low and high density lipoproteins from healthy donors. Beitz J, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2–3):303–9
[Effect of LDL and HDL on the morphology of human vascular endothelial cells in vitro] Wei SM. **Chung-hua Ping Li Hsueh Tsa Chih** 1987 Mar;16(1):43–6 (Eng. Abstr.) **(Chi)**

PHYSIOLOGY

Meaning of a modified LDL in humans. Avogaro P, et al. **Adv Exp Med Biol** 1987;210:209–12
The regulation by low-density lipoproteins of the activation of oxidative enzyme-primed lymphocytes is governed by transferrin. Scupham DW, et al. **Cell Immunol** 1987 Sep; 108(2):378–95
Toxicity of oxidized low-density lipoprotein to cultured fibroblasts is selective for S phase of the cell cycle. Kosugi K, et al. **J Cell Physiol** 1987 Mar;130(3):311–20
Regulation of sterol synthesis and of 3-hydroxy-3-methylglutaryl coenzyme A reductase by lipoproteins in glial cells in primary culture. Langan TJ, et al. **J Neurosci Res** 1987;17(4):361–6

LIPOPROTEINS, LDL RECEPTORS see **RECEPTORS, LDL**

LIPOPROTEINS, VLDL

ADMINISTRATION & DOSAGE

[The effect of hyperlipoproteinemia induced by the administration of an atherogenic lipoprotein fraction on various indices of lipid metabolism in rabbits] Bel'chenko DI, et al. **Vopr Med Khim** 1987 May–Jun;33(3):42–5 (Eng. Abstr.) **(Rus)**

ANALYSIS

Purification of apolipoproteins C-II and C-III from human very low density lipoproteins. Posner I, et al. **Acta Cient Venez** 1986;37(2):229–30

BIOSYNTHESIS

Dietary fish oil decreases VLDL production rates. Daggy B, et al. **Biochim Biophys Acta** 1987 Aug 15;920(3):293–300
Production of VLDL and vitellogenin(s) in oestrogen-challenged hypothyroid chickens. Schjeide OA, et al. **Cytobios** 1986;48(193):71–84
Treatment with artificial beta-cell decreases very-low-density lipoprotein triglyceride synthesis in type I diabetes. Dunn FL, et al. **Diabetes** 1987 May;36(5):661–6
Biogenesis of very-low-density lipoproteins in rat liver. Intracellular distribution of apolipoprotein B. Wong L, et al. **Eur J Biochem** 1987 Apr 15;164(2):357–67
Hepatocellular triglyceride synthesis and transfer to lipid droplets and nascent very low density lipoproteins. Chao FF, et al. **J Lipid Res** 1986 Nov;27(11):1174–81
Very low and low density lipoprotein synthesis and secretion by the human hepatoma cell line Hep-G2: effects of free fatty acid. Ellsworth JL, et al. **J Lipid Res** 1986 Aug; 27(8):858–74

BLOOD

Metabolism of human intermediate and very low density lipoprotein subfractions from normal and dysbetalipoproteinemic plasma. In vivo studies in rat. Musliner TA, et al. **Arteriosclerosis** 1987 Jul–Aug; 7(4):408–20
Relationship of plasma lipoproteins and the monocyte-macrophage system to atherosclerosis severity in cholesterol-fed pigeons. St. Clair RW, et al. **Arteriosclerosis** 1986 Nov–Dec;6(6):614–26
Apolipoprotein E polymorphism, serum lipids and occurrence of "double pre-betalipoproteinemia' (DPBL) in subjects from two different populations. Pagnan A, et al. **Atherosclerosis** 1987 May;65(1–2):23–8
The interaction of lipolysis products of very low density lipoprotein with plasma high density lipoprotein (HDL): perfusate HDL with plasma HDL subfractions. Tam SP, et al. **Biochem Cell Biol** 1987 Mar;65(3):252–60
Hepatic triacylglycerol lipase in circulating blood of normal and tumor-bearing mice and its hydrolysis of very-low-density lipoprotein and synthetic acylglycerols. Masuno H, et al. **Biochim Biophys Acta** 1986 Dec 5; 879(3):339–44
Very-low-density lipoproteins in the fetal rat at term. Schlag B, et al. **Biomed Biochim Acta** 1987;46(1):83–7
Abnormal composition of apoproteins C-I, C-II, and C-III in plasma and very-low-density lipoproteins of non-insulin-dependent diabetic Chinese. Pan XR, et al. **Clin Chem** 1986 Oct;32(10):1914–20
Effect of ileal exclusion on kinetics of very low density lipoprotein triglycerides in familial hypercholesterolemia. Koivisto PV, et al. **Clin Chim Acta** 1986 Nov 30; 161(1):91–101
Effect of phenobarbital upon serum cholesterol lipoprotein fractions of three rodent species. Romaschin AD, et al. **Clin Physiol Biochem** 1987;5(2):77–84
Lipid abnormalities in serum in Batten's disease [letter] Bennett MJ, et al. **Dev Med Child Neurol** 1986 Dec; 28(6):815–7
Effect of the composition of very low and low density lipoproteins on the rate of cholesterylester transfer from high density lipoproteins in man, studied in vitro. Dullaart RP, et al. **Eur J Clin Invest** 1987 Jun;17(3):241–8
Structural organization of apolipoprotein B-100 of human plasma low density lipoproteins. Comparison to B-48 of chylomicrons and very low density lipoproteins. Cardin AD, et al. **J Biol Chem** 1986 Dec 15;261(35):16744–8
VLDL cholesterol and VLDL apolipoprotein B. Preliminary cross-sectional data of the prospective epidemiological study of company employees in Westphalia. Schriewer H, et al. **J Clin Chem Clin Biochem** 1987 May;25(5):293–7
Effect of isolation temperature on the determination of bovine plasma very low density lipoprotein concentrations. Grummer RR, et al. **J Dairy Sci** 1986 Aug;69(8):2083–90
Apoprotein E mediates the interaction of beta-VLDL with macrophages. Bates SR, et al. **J Lipid Res** 1987 Jul; 28(7):787–97
A comparison of methods for the estimation of plasma low- and very low-density lipoprotein cholesterol. The Lipid Research Clinics Prevalence Study. DeLong DM, et al. **JAMA** 1986 Nov 7;256(17):2372–7
Pre- and post-prandial plasma levels of intermediate density lipoproteins in type 2 diabetic female patients. de Wikinski RL, et al. **Medicina (B Aires)** 1986;46(1):51–8
Integrated study of low density lipoprotein metabolism and very low density lipoprotein metabolism in non-insulin-dependent diabetes. Howard BV, et al. **Metabolism** 1987 Sep;36(9):870–7
Portal v peripheral hyperinsulinemia and very low density lipoprotein triglyceride kinetics. Kazumi T, et al. **Metabolism** 1986 Nov;35(11):1024–8
Slower catabolism of apo B48 than of apo B100 in triglyceride-rich lipoproteins during heparin infusions in type 5 hyperlipoproteinemic subjects. Nestel P, et al. **Metabolism** 1987 Feb;36(2):172–5
Decreased VLDL apoprotein CII/apoprotein CIII ratio may be seen in both normotriglyceridemic and hypertriglyceridemic patients on chronic hemodialysis treatment. Wakabayashi Y, et al. **Metabolism** 1987 Sep; 36(9):815–20
Plasma very low density lipoproteins, abdominal fat lipase, and fatness during rearing in two strains of broiler chickens. Grunder AA, et al. **Poult Sci** 1987 Mar;66(3):471–9
[Affinity hemosorbent for the binding of atherogenic lipoproteins] Lopukhin IuM, et al. **Kardiologiia** 1986 Oct; 26(10):54–7 (Eng. Abstr.) **(Rus)**
[Theoretical and experimental substantiation of immunosorption procedures] Pokrovskiĭ SN, et al. **Kardiologiia** 1986 Oct;26(10):49–54 (Eng. Abstr.) **(Rus)**
[Effect of fat load on the development and duration of hyperlipoproteinemia] Kalinkin MN, et al. **Patol Fiziol Eksp Ter** 1986 Sep–Oct;(5):3–5 (Eng. Abstr.) **(Rus)**

GENETICS

Multivariate analysis of lipoprotein cholesterol fractions. Vogler GP, et al. **Am J Epidemiol** 1987 Apr;125(4):706–19
Estradiol-dependent transcription initiation upstream from the chicken apoVLDLII gene coding for the very-low-density apolipoprotein II. Strijker R, et al. **Gene** 1986;45(1):27–35
Conserved sequence motifs upstream from the co-ordinately expressed vitellogenin and apoVLDLII genes of chicken. van het Schip F, et al. **Nucleic Acids Res** 1986 Nov 11; 14(21):8669–80

ISOLATION & PURIFICATION

[Isolation, purification and characterization of tree shrew serum lipoproteins] Chen BS, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1987 Apr; 9(2):135–9 (Eng. Abstr.) **(Chi)**
[Synthesis and properties of an affinity sorbent for extraction of atherogenic lipoproteins] Andrianova IP, et al. **Bioorg Khim** 1986 Oct;12(10):1391–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Coordination of very low-density lipoprotein triglyceride and apolipoprotein B metabolism in humans: effects of obesity and non-insulin-dependent diabetes mellitus. Howard BV, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):522–6
Thrombin/prothrombin interactions with very low density lipoproteins. Bradley WA, et al. **Ann NY Acad Sci** 1986; 485:159–69
Modification of very low density lipoproteins leads to macrophage scavenger receptor uptake and cholesteryl ester deposition. Mazzone T, et al. **Arteriosclerosis** 1987 Mar–Apr;7(2):191–6
HDL from type III dysbetalipoproteinaemic patients show decreased capacity to inhibit VLDL uptake in rat liver endothelial cells. Gustafson S, et al. **Atherosclerosis** 1986 Nov;62(2):145–9
Apolipoprotein E-mediated binding of hypertriglyceridemic very low density lipoproteins to isolated low density lipoprotein receptors detected by ligand blotting. Brown SA, et al. **Biochem Biophys Res Commun** 1986 Aug 29; 139(1):333–40
Regulation of hepatic very-low-density lipoprotein secretion in rats fed on a diet high in unsaturated fat. Gibbons GF, et al. **Biochem J** 1987 Apr 15;243(2):487–92
Dietary restriction amplifies the metabolic disturbances of very-low-density lipoproteins in cholesterol-fed rabbits. Corraze G, et al. **Biochim Biophys Acta** 1987 Jun 2; 919(2):164–70
Diurnal variations of plasma lipids, tissue and plasma lipoprotein lipase, and VLDL secretion rates in the rat. A model for studies of VLDL metabolism. Marrino P, et al. **Biochim Biophys Acta** 1987 Aug 15;920(3):277–84
Lipolysis products promote the formation of complexes of very-low-density and low-density lipoproteins. Musliner TA, et al. **Biochim Biophys Acta** 1987 Jun 2;919(2):97–110
In vitro formation of HDL-2 from HDL-3 and triacylglycerol-rich lipoproteins by the action of lecithin:cholesterol acyltransferase and cholesterol ester transfer protein. Zechner R, et al. **Biochim Biophys Acta** 1987 Mar 13;918(1):27–35
Transfer of newly made triglyceride from hepatocytes to

preexisting extracellular very low density lipoproteins. Yoshino G, et al. **Can J Physiol Pharmacol** 1987 Mar; 65(3):337–43

The cell–interactive properties of glucosylated very–low–density and low–density lipoproteins. Turk Z, et al. **Cell Mol Biol** 1987;33(3):345–54

Effects of NIDDM on very–low–density lipoprotein triglyceride and apolipoprotein B metabolism. Studies before and after sulfonylurea therapy. Taskinen MR, et al. **Diabetes** 1986 Nov;35(11):1268–77

Very low density lipoprotein metabolism in diabetes mellitus. Ginsberg HN. **Diabetes Metab Rev** 1987 Apr;3(2):571–89 (82 ref.)

Cell surface distribution and intracellular fate of human beta–very low density lipoprotein in cultured peritoneal mouse macrophages: a cytochemical and immunocytochemical study. Robenek H, et al. **Eur J Cell Biol** 1987 Feb;43(1):110–20

Very low density lipoprotein metabolism after insulin over–treatment and during a euglycaemic clamp. Kruszynska YT, et al. **Eur J Clin Invest** 1987 Feb;17(1):23–8

Transport of beta–very low density lipoproteins and chylomicron remnants by macrophages is mediated by the low density lipoprotein receptor pathway. Ellsworth JL, et al. **J Biol Chem** 1987 Feb 15;262(5):2316–25

Proteolysis of apoprotein B during the transfer of very low density lipoprotein from hens' blood to egg yolk. Evans AJ, et al. **J Biol Chem** 1987 Jan 15;262(2):501–4

High density lipoprotein and low density lipoprotein utilization by human granulosa cells for progesterone synthesis in serum–free culture: respective contributions of free and esterified cholesterol. Parinaud J, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):409–17

Evidence that chylomicron remnants and beta–VLDL are transported by the same receptor pathway in J774 murine macrophage–derived cells [published erratum appears in J Lipid Res 1987 Jan;28(1):118] Ellsworth JL, et al. **J Lipid Res** 1986 Oct;27(10):1062–72

Differential labeling of rat hepatic Golgi and serum very low density lipoprotein apoprotein B variants. Swift LL, et al. **J Lipid Res** 1987 Feb;28(2):207–15

Increased catabolism of VLDL–apolipoprotein B and synthesis of bile acids in a case of hypobetalipoproteinemia. Vega GL, et al. **Metabolism** 1987 Mar;36(3):262–9

Lack of effect on human lipoprotein–triacylglycerol on the function of perfused rat kidney. Merkens LS, et al. **Proc Soc Exp Biol Med** 1987 Jan;184(1):92–7

Interactions of triglyceride–rich lipoproteins with receptors: modulation by thrombin. Gianturco SH, et al. **Semin Thromb Hemost** 1986 Oct;12(4):277–9

[Studies on duck serum lipoproteins. VIII. Studies on biological activity and metabolism of HDL–apo C II in vitro] Li XZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1987 Apr; 9(2):89–94 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Monocyte adherence to endothelial cells in vitro is increased by beta–VLDL. Endemann G, et al. **Am J Pathol** 1987 Jan;126(1):1–6

Very low density lipoproteins stimulate cholesteryl ester formation in U937 macrophages. Heterogeneity and biologic variation among normal humans. Sacks FM, et al. **Arteriosclerosis** 1987 Jan–Feb;7(1):35–46

Very low density lipoproteins (VLDL) trigger the release of histamine from human basophils. Gonen B, et al. **Biochim Biophys Acta** 1987 Feb 23;917(3):418–24

PHYSIOLOGY

Accumulation of cholesteryl esters and triglycerides in cultured macrophages incubated with plasma very low density lipoproteins from rats fed on casein or soybean protein diets containing moderate levels of cholesterol. Eklund A, et al. **Atherosclerosis** 1986 Nov;62(2):129–36

SECRETION

Composition and properties of very low density lipoproteins secreted by the perfused rat liver and subfractionated by affinity chromatography. Schroeder F, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):62–73

Release of hepatic lipase and very low density lipoprotein by cultured rat hepatocytes. Rustan AC, et al. **Int J Biochem** 1986;18(10):909–16

Secretion and uptake of nascent hepatic very low density lipoprotein by perfused livers from fed and fasted rats. Wilcox HG, et al. **J Lipid Res** 1987 Apr;28(4):351–60

LIPOPROTEINS, HDL CHOLESTEROL

ANALYSIS

High–density lipoprotein cholesterol levels of very old people in the diagnosis of dementia. Lehtonen A, et al. **Age Ageing** 1986 Sep;15(5):267–70

Presence of unsedimented precipitate in visually non–turbid supernates in the heparin–manganese method for HDL–cholesterol quantitation. Kiss Z, et al. **Clin Biochem** 1986 Aug;19(4):209–11

Treating hyperlipidemia, Part I: Whether and when in the elderly. Smith DA, et al. **Geriatrics** 1987 Jun;42(6):33–6, 39–42, 44

BLOOD

Reduced high density lipoproteins as a risk factor after acute myocardial infarction. Franzén J, et al. **Acta Med Scand** 1987;221(4):357–62

Serum total cholesterol, HDL cholesterol and blood pressure levels in 15–year–old adolescents in eastern Finland. Vartiainen E, et al. **Acta Paediatr Scand** 1987 Mar; 76(2):332–7

The pill, the heart and HDL: facts and fictions. Hoppe G. **Adv Contracept** 1986 Dec;2(4):405–11 (35 ref.)

Dietary determinants of plasma high–density lipoprotein cholesterol. Pietinen P, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):620–5 (72 ref.)

Lipoproteins as mediators for the effects of alcohol consumption and cigarette smoking on cardiovascular mortality: results form the Lipid Research Clinics Follow–up Study. Criqui MH, et al. **Am J Epidemiol** 1987 Oct;126(4):629–37

Sex differences in the coronary heart disease risk profile: a possible role for insulin. The Beaver County Study. Donahue RP, et al. **Am J Epidemiol** 1987 Apr;125(4):650–7

Characteristics of human hypo– and hyperresponders to dietary cholesterol. Katan MB, et al. **Am J Epidemiol** 1987 Mar;125(3):387–99

Plasma insulin and serum lipids and lipoproteins in middle–aged non–insulin–dependent diabetic and non–diabetic subjects. Laakso M, et al. **Am J Epidemiol** 1987 Apr;125(4):611–21

Sex hormones, insulin, lipids, and prevalent ischemic heart disease. Lichtenstein MJ, et al. **Am J Epidemiol** 1987 Oct; 126(4):647–57

High–density lipoprotein cholesterol subfractions in chronic uremia. Rubiés–Prat J, et al. **Am J Kidney Dis** 1987 Jan; 9(1):60–5

HDL–cholesterol subfractions in healthy males: relation to serum triglyceride levels and age. Ferns GA, et al. **Ann Clin Biochem** 1986 Sep;23 (Pt 5):504–8

Modifications of serum lipoprotein cholesterol with Guatteria gaumeri. Sánchez–Reséndiz J, et al. **Arch Invest Med (Mex)** 1985 Oct–Dec;16(4):359–65 **(Eng, Spa)**

Divergent levels of high density lipoprotein cholesterol and apolipoprotein A–I in children. The Bogalusa Heart Study. Freedman DS, et al. **Arteriosclerosis** 1987 Jul–Aug; 7(4):347–53

Correlates of high density lipoprotein cholesterol and apolipoprotein A–I levels in children. The Bogalusa Heart Study. Freedman DS, et al. **Arteriosclerosis** 1987 Jul–Aug; 7(4):354–60

High density lipoprotein free cholesterol and other lipids in coronary heart disease. Moshides JS. **Arteriosclerosis** 1987 May–Jun;7(3):262–6

Effect of bezafibrate on low levels of high density lipoprotein cholesterol in normolipidemia. Study in coronary patients and their first degree relatives. Neuman J, et al. **Arzneimittelforschung** 1986 Nov;36(11):1690–3

HDL–cholesterol sparing and APO–B removal in recycled cascade plasmafiltration. Busnach G, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):168–70

A two year randomized exercise trial in older women: effects on HDL–cholesterol. Cauley JA, et al. **Atherosclerosis** 1987 Aug;66(3):247–58

Studies on the relationship between the cholesterol content in total high density lipoprotein and its subfractions, HDL2 and HDL3 in normo– and hyperlipidemic subjects. Demacker PN, et al. **Atherosclerosis** 1986 Sep;61(3):225–9

Effect of short–term, low–dose corticosteroids on plasma lipoprotein lipids. Ettinger WH, et al. **Atherosclerosis** 1987 Feb;63(2–3):167–72

Gemfibrozil treatment and the relationship between HDL cholesterol and apoE distribution in cholesterol–fed rats. Krause BR, et al. **Atherosclerosis** 1986 Sep;61(3):245–8

Long–term effects of a linoleic acid–enriched diet, changes in body weight and alcohol consumption on serum total and HDL–cholesterol. Kromhout D, et al. **Atherosclerosis** 1987 Jul;66(1–2):99–105

The effect of acute exercise on high density lipoprotein–cholesterol and the subfractions in females. Swank AM, et al. **Atherosclerosis** 1987 Feb;63(2–3):187–92

Glucocorticoid–induced elevation of serum high–density lipoprotein–cholesterol and its reversal by adrenocorticotropin in the rat. Mitamura T. **Biochim Biophys Acta** 1987 Jan 13;917(1):121–30

LDL–cholesterol and HDL–cholesterol in ischaemic heart disease. Atukorala TM, et al. **Ceylon Med J** 1986 Mar; 31(1):9–14

Lipoprotein and apoprotein A1 levels in diabetics and coronary heart disease patients and controls. Pan XR, et al. **Chin Med J [Engl]** 1987 Mar;100(3):204–7

Serum cholesterol in China and the West. Yang XS, et al. **Chin Med J [Engl]** 1986 Mar;99(3):183–6

A preliminary study of the action of male hormone on high density lipoprotein–cholesterol. Zhou ZY, et al. **Chin Med J [Engl]** 1987 Feb;100(2):118–21

High–density lipoprotein cholesterol and coronary heart disease in hypercholesterolemic men: the Lipid Research Clinics Coronary Primary Prevention Trial. Gordon DJ, et al. **Circulation** 1986 Dec;74(6):1217–25

Black–white differences in cholesterol levels of serum high–density lipoprotein subclasses among children: the Bogalusa Heart Study. Srinivasan SR, et al. **Circulation** 1987 Aug;76(2):272–9

Value of polyacrylamide gradient gel electrophoresis of lipoproteins for determining HDL cholesterol. Callais F, et al. **Clin Chem** 1987 Jul;33(7):1266

Assay of cholesterol in high–density lipoprotein in hypertriglyceridemic sera [letter] Lippi U, et al. **Clin Chem** 1986 Nov;32(11):2118–9

Comparison of ascorbic acid interference in HDL–cholesterol estimation by six precipitation methods, with use of a sensitive enzymic cholesterol reagent. Moshides JS. **Clin Chem** 1987 Aug;33(8):1467–8

Enzymatic estimation of cholesterol in high–density lipoprotein fractions. Samman S, et al. **Clin Chem** 1986 Oct; 32(10):1983–4

Kodak Ektachem HDL kit evaluated for HDL cholesterol measurements with the DT–60 instrument. Warnick GR, et al. **Clin Chem** 1986 Oct;32(10):1988

Improved method for determination of high density lipoprotein cholesterol using a sensitive reagent and a centrifugal analyzer. Moshides JS. **Clin Chim Acta** 1987 Jul 15;166(2–3):275–82

Effect of phenobarbital upon serum cholesterol lipoprotein fractions of three rodent species. Romaschin AD, et al. **Clin Physiol Biochem** 1987;5(2):77–84

Short–term effects of beta–adrenoceptor blocking drugs on plasma lipoproteins in normal men: is there a case? [letter] [published erratum appears in Clin Sci 1986 Dec;71(6):following xxi] Fagher B, et al. **Clin Sci** 1986 Oct; 71(4):461–2

The effect of triphasic and biphasic oral contraceptive preparations on HDL–cholesterol and LDL–cholesterol in young women. Percival–Smith RK, et al. **Contraception** 1987 Feb;35(2):179–87

HDL metabolism in diabetes. Chen YD, et al. **Diabetes Metab Rev** 1987 Jul;3(3):653–68 (92 ref.)

Highly significant negative correlations between erythrocyte aggregation value and serum concentration of high density lipoprotein cholesterol in a sample from a normal population and in patients with coronary heart disease. Ruhenstroth–Bauer G, et al. **Eur J Clin Invest** 1987 Jun; 17(3):275–9

Effects of bisoprolol on blood pressure, serum lipids and HDL–cholesterol in essential hypertension. Frithz G, et al. **Eur J Clin Pharmacol** 1987;32(1):77–80

One year study of effects of an oestrogen–dominant oral contraceptive on serum high–density lipoprotein cholesterol, apolipoproteins A–I and A–II and hepatic microsomal function. Luoma PV, et al. **Eur J Clin Pharmacol** 1987;31(5):563–7

Complex segregation analysis of low levels of plasma high–density lipoprotein cholesterol in a sample of nuclear families in Jerusalem. Friedlander Y, et al. **Genet Epidemiol** 1986;3(5):285–97

Estrogen induction of liver proteins and high–density lipoprotein cholesterol: comparison between estradiol valerate and ethinyl estradiol. Ottosson UB, et al. **Gynecol Obstet Invest** 1986;22(4):198–205

Association of low plasma high density lipoprotein (HDL)–cholesterol concentration with documented coronary artery disease in males with non–insulin dependent diabetes mellitus. Fuh MM, et al. **Horm Metab Res** 1987 Jun;19(6):267–70

Long–term effects of bisoprolol on blood pressure, serum lipids, and HDL–cholesterol in patients with essential hypertension. Frithz G, et al. **J Cardiovasc Pharmacol** 1986; 8 Suppl 11:S134–8

Apolipoproteins AI, AII and B in young adults: associations with CHD risk factors. The Beaver County experience. Donahue RP, et al. **J Chronic Dis** 1986;39(10):823–30

Serum total and HDL cholesterols according to reproductive status in Japanese females. Shibata H, et al. **J Chronic Dis** 1987;40(3):209–13

Significance of hepatic triglyceride lipase activity in the regulation of serum high density lipoproteins in type II diabetes mellitus. Kasim SE, et al. **J Clin Endocrinol Metab** 1987 Jul;65(1):183–7

gem–Diphosphonate and gem–phosphonate–phosphate compounds with specific high density lipoprotein inducing activity. Nguyen LM, et al. **J Med Chem** 1987 Aug; 30(8):1426–33

Copper deficiency–induced hypercholesterolemia: effects on HDL subfractions and hepatic lipoprotein receptor activity in the rat. Lefevre M, et al. **J Nutr** 1986 Sep;116(9):1735–46

Incidence of coronary heart disease and lipoprotein cholesterol levels. The Framingham Study. Castelli WP, et al. **JAMA** 1986 Nov 28;256(20):2835–8

Decrease in plasma high–density lipoprotein cholesterol levels at puberty in boys with delayed adolescence. Correlation with plasma testosterone levels. Kirkland RT, et al. **JAMA** 1987 Jan 23–30;257(4):502–7

High–density lipoprotein cholesterol measurements. A help or hindrance in practical clinical medicine? Superko HR, et al. **JAMA** 1986 Nov 21;256(19):2714–7

Chronic low level physical activity as a determinant of high density lipoprotein cholesterol and subfractions. Cook TC, et al. **Med Sci Sports Exerc** 1986 Dec;18(6):653–7

Levels of apolipoproteins and cholesterol of low and high density lipoproteins in asymptomatic Chagas disease. Cano RC, et al. **Medicina (B Aires)** 1985;45(3):269–72

Genotype–influenced changes in serum HDL cholesterol after short–term overfeeding in man: association with

plasma insulin and triglyceride levels. Després JP, et al. **Metabolism** 1987 Apr;36(4):363–8

Exercise acutely increases high density lipoprotein–cholesterol and lipoprotein lipase activity in trained and untrained men. Kantor MA, et al. **Metabolism** 1987 Feb;36(2):188–92

Moderate alcohol consumption increases plasma high–density lipoprotein cholesterol. **Nutr Rev** 1987 Jan;45(1):8–10 (8 ref.)

High–density lipoprotein–cholesterol subfractions in adolescent twins. Bodurtha JN, et al. **Pediatrics** 1987 Feb; 79(2):181–9

High–density lipoprotein cholesterol: correlation with biochemical, anthropometric, behavioral, and clinical parameters in 6,500 Israeli men. Goldbourt U, et al. **Prev Med** 1986 Nov;15(6):569–81

Distributions of total cholesterol, triglycerides, and high–density lipoprotein cholesterol in Israeli Jewish children of different geographic–ethnic origins, ages 9–17 years. Zahavi I, et al. **Prev Med** 1987 Jan;16(1):35–51

Coronary risk factors. Pearson TA. **Proc Annu Meet Med Sect Am Counc Life Insur** 1986;:33–46

Do endogenous lipoproteins modulate the sensibility of animals against arrhythmogenic drugs? Beitz J, et al. **Prostaglandins Leukotrienes Med** 1987 Jul;28(2):215–20

High–density lipoprotein cholesterol, hepatic lipase and lipoprotein lipase activities in thyroid dysfunction—effects of treatment. Lam KS, et al. **Q J Med** 1986 May; 59(229):513–21

Failure to determine HDL2 cholesterol with dextran sulphate following isolation of HDL with phosphotungstate and magnesium chloride [letter] Jialal I, et al. **S Afr Med J** 1986 Oct 25;70(9):567

High–density lipoprotein cholesterol assay by magnesium dextransulphate precipitation. Grauholt AM, et al. **Scand J Clin Lab Invest** 1986 Dec;46(8):715–21

Increased HDL–cholesterol levels with a weight lifting program. Ullrich IH, et al. **South Med J** 1987 Mar; 80(3):328–31

Favourable effect of combined Miscleron–Xavin treatment on HDL–cholesterol level. Pados G, et al. **Ther Hung** 1983; 31(2):59–61

HDL2- and HDL3-cholesterol in normolipemic patients with peripheral vascular occlusive disease. Mannarino E, et al. **Vasa** 1986;15(3):217–9

[The effect of alcohol on serum high–density lipoprotein cholesterol levels] Li QH, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Jun; 14(3):178–80, 192 (Eng. Abstr.) **(Chi)**

[Relation between coronary artery lesions and blood lipids in the fetus] Wang XY. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Oct; 14(5):280–1 **(Chi)**

[Effect of pollen typhae on 6–keto–PGF1 alpha, TXB2, TC and HDL–C in chronic hyperlipemic rabbits] Zhang L. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Oct; 14(5):291–3, 319–20 (Eng. Abstr.) **(Chi)**

[Dynamic changes in serum HDL–cholesterol in acute myocardial infarction and its clinical significance] Zhu BQ. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Oct; 14(5):257–9 **(Chi)**

[Relation between serum lipid levels and nutrient intake in healthy urban and rural inhabitants of Shanghai] Zhuang HZ. **Chung Hua I Hsueh Tsa Chih** 1986 Oct;66(10):585–8 (Eng. Abstr.) **(Chi)**

[The characteristic transportation of cholesterol by serum lipoproteins and its role in anti–atherogenesis in Beijing duck] Wang KQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Apr; 8(2):88–95 (Eng. Abstr.) **(Chi)**

[Effect of daphnetin on lipoprotein cholesterol content of serum] Jiang XL, et al. **Yao Hsueh Hsueh Pao** 1987 Jan; 22(1):53–5 (Eng. Abstr.) **(Chi)**

[Changes in HDL–cholesterol during weight reduction in obesity and its relation to saccharide metabolism] Felt V. **Cas Lek Cesk** 1986 Oct 3;125(40):1251–3 (Eng. Abstr.) **(Cze)**

[HLD–cholesterol and LDL–cholesterol in the blood in type I and II diabetes mellitus and the relation to atherogenesis] Felt V. **Vnitr Lek** 1986 Nov;32(11):1066–72 (Eng. Abstr.) **(Cze)**

[Relation between arterial hypertension and plasma lipoproteins: the Australian experience] MacDonald GJ. **Arch Mal Coeur** 1987 Apr;80 Spec No:29–32 (Eng. Abstr.) **(Fre)**

[HDL2 and HDL3 cholesterol in men and women in different forms of hyperlipidemia without arterial involvement] Rozensztajn L, et al. **Pathol Biol (Paris)** 1986 Nov; 34(9):988–92 (Eng. Abstr.) **(Fre)**

[Behavior of HDL and total cholesterol in the serum of students in adolescence and sex maturation] Schlegel V, et al. **Arztl Jugendkd** 1987;78(1):9–19 (Eng. Abstr.) **(Ger)**

[Differentiated HDL study] Luley C, et al. **Fortschr Med** 1986 Aug 7;104(29):551 **(Ger)**

[Role of HDL cholesterol in the etiology of peripheral vascular diseases in diabetes] Margarita–Aloj A, et al. **Minerva Cardioangiol** 1986 Oct;34(10):663–9 (Eng. Abstr.) **(Ita)**

[Effect of daily intake of carbohydrate, protein and fat on serum levels of HDL cholesterol and apolipoproteins A–I and A–II] Toyoshima H, et al. **Nippon Eiseigaku Zasshi** 1986 Oct;41(4):732–40 (Eng. Abstr.) **(Jpn)**

[Clinical significance of hyper–HDL–cholesterolemia. II. Characteristics in clinical features] Hata Y, et al. **Nippon Ronen Igakkai Zasshi** 1986 Jul;23(4):413–21 (Eng. Abstr.) **(Jpn)**

[Relationship between nutrient intake and serum total and HDL cholesterol in the aged] Nagai H, et al. **Nippon Ronen Igakkai Zasshi** 1986 Sep;23(5):477–82 (Eng. Abstr.) **(Jpn)**

[HDL, HDL2 and HDL3 cholesterol in various types of hyperlipoproteinemia in relation to clinical signs of arteriosclerosis] Sznajderman M, et al. **Kardiol Pol** 1986; 29(3):194–203 (Eng. Abstr.) **(Pol)**

[Effect of propranolol on the plasma lipoprotein levels with special reference to apolipoproteins B] Banasiak W, et al. **Pol Tyg Lek** 1986 Sep 22;41(38):1203–5 (Eng. Abstr.) **(Pol)**

[Comparability of the results of determining alpha–cholesterol by blood plasma lipoprotein separation using heparin–manganese and magnesium–phosphotungsten mixtures] Khaidukova IL, et al. **Lab Delo** 1986;(11):687–9 (Eng. Abstr.) **(Rus)**

[Diagnostic importance of determining high–density lipoprotein cholesterol in the clinic] Turkina TI, et al. **Pediatriia** 1987;(4):102–4 (42 ref.) **(Rus)**

[Importance of apolipoproteins A–1 and B in acute viral hepatitis and hepatic cirrhosis] Jorge AD, et al. **Acta Gastroenterol Latinoam** 1986;16(1):39–46 (Eng. Abstr.) **(Spa)**

[High density lipoprotein cholesterol in obese non–insulin–dependent diabetic patients] Arteaga A, et al. **Rev Med Chil** 1986 Jun;114(6):509–15 (Eng. Abstr.) **(Spa)**

GENETICS

Segregation analysis of low levels of high–density lipoprotein cholesterol in the collaborative Lipid Research Clinics Program Family Study. Bucher KD, et al. **Am J Hum Genet** 1987 Jun;40(6):489–502

Linkage and segregation analyses of apolipoproteins A1 and B, and lipoprotein cholesterol levels in a large pedigree with excess coronary heart disease: the Bogalusa Heart Study. Amos CI, et al. **Genet Epidemiol** 1987;4(2):115–28

Complex segregation analysis of plasma lipid and lipoprotein variables in a Jerusalem sample of nuclear families. Friedlander Y, et al. **Hum Hered** 1987;37(1):7–19

METABOLISM

Disposal of HDL–cholesterol to cultured granulosa cells, endothelial cells and hepatocytes: effects of HDL–phospholipolysis. Perret BP, et al. **Adv Exp Med Biol** 1987;210:145–51

Preferential uptake of cholesteryl ester–HDL by cultured macrophages. Stein O, et al. **Atherosclerosis** 1987 May; 65(1–2):151–8

The uptake of the apoprotein and cholesteryl ester of high–density lipoproteins by the perfused rat liver. Arbeeny CM, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):9–17

Bile acid synthesis from HDL cholesterol and cholesterol ester by cultured chick embryo hepatocytes. Herscovitz H, et al. **Biochim Biophys Acta** 1986 Oct 3;878(3):426–34

Cholesterol flux between cells and high density lipoprotein. Lack of relationship to specific binding of the lipoprotein to the cell surface. Karlin JB, et al. **J Biol Chem** 1987 Sep 15;262(26):12557–64

LIPOPROTEINS, LDL CHOLESTEROL

ANALYSIS

Treating hyperlipidemia, Part I: Whether and when in the elderly. Smith DA, et al. **Geriatrics** 1987 Jun;42(6):33–6, 39–42, 44

[Cholesterol of lipoprotein fractions determined by electrophoresis (letter)] Joven J, et al. **Med Clin (Barc)** 1986 Dec 6;87(19):820–1 **(Spa)**

BLOOD

Dietary and other correlates of changes in total and low density lipoprotein cholesterol in hypercholesterolemic men: the lipid research clinics coronary primary prevention trial. Glueck CJ, et al. **Am J Clin Nutr** 1986 Oct; 44(4):489–500

Lipoproteins as mediators for the effects of alcohol consumption and cigarette smoking on cardiovascular mortality: results form the Lipid Research Clinics Follow–up Study. Criqui MH, et al. **Am J Epidemiol** 1987 Oct;126(4):629–37

Modifications of serum lipoprotein cholesterol with Guatteria gaumeri. Sánchez–Reséndiz J, et al. **Arch Invest Med (Mex)** 1985 Oct–Dec;16(4):359–65 **(Eng, Spa)**

Effect of short–term, low–dose corticosteroids on plasma lipoprotein lipids. Ettinger WH, et al. **Atherosclerosis** 1987 Feb;63(2–3):167–72

Increased growth stimulation of human vascular cells by serum from patients with primary hyper–LDL–cholesterolemia. Koschinsky T, et al. **Atherosclerosis** 1987 Jan;63(1):7–13

Alfalfa seeds lower low density lipoprotein cholesterol and apolipoprotein B concentrations in patients with type II hyperlipoproteinemia. Mölgaard J, et al. **Atherosclerosis** 1987 May;65(1–2):173–9

LDL–cholesterol and HDL–cholesterol in ischaemic heart disease. Atukorala TM, et al. **Ceylon Med J** 1986 Mar; 31(1):9–14

Lipoprotein and apoprotein A1 levels in diabetics and coronary heart disease patients and controls. Pan XR, et al. **Chin Med J [Engl]** 1987 Mar;100(3):204–7

Regulation of plasma levels of low–density lipoprotein cholesterol: interpretation of data on low–density lipoprotein turnover in man. Meddings JB, et al. **Circulation** 1986 Oct;74(4):805–14

Relationships between lymphocyte cholesterol homeostasis and LDL–cholesterol. Hambitzer R, et al. **Clin Biochem** 1987 Apr;20(2):97–104

The Friedewald formula: another restriction? [letter] Kazi–Aoul T, et al. **Clin Chem** 1987 Jul;33(7):1301

Effect of phenobarbital upon serum cholesterol lipoprotein fractions of three rodent species. Romaschin AD, et al. **Clin Physiol Biochem** 1987;5(2):77–84

The effect of triphasic and biphasic oral contraceptive preparations on HDL–cholesterol and LDL–cholesterol in young women. Percival–Smith RK, et al. **Contraception** 1987 Feb;35(2):179–87

Detection and quantitation of low density lipoprotein (LDL) receptors in human liver by ligand blotting, immunoblotting, and radioimmunoassay. LDL receptor protein content is correlated with plasma LDL cholesterol concentration. Soutar AK, et al. **J Biol Chem** 1986 Dec 25;261(36):17127–33

Apolipoproteins AI, AII and B in young adults: associations with CHD risk factors. The Beaver County experience. Donahue RP, et al. **J Chronic Dis** 1986;39(10):823–30

A comparison of methods for the estimation of plasma low– and very low–density lipoprotein cholesterol. The Lipid Research Clinics Prevalence Study. DeLong DM, et al. **JAMA** 1986 Nov 7;256(17):2372–7

Application of Friedewald's LDL–cholesterol estimation formula to serum lipids in the Japanese population. Hata Y, et al. **Jpn Circ J** 1986 Dec;50(12):1191–200

Statistical analysis of Lipid Research Clinics Program [letter] **Lancet** 1987 Apr 4;1(8536):801

Effects of synvinolin (MK–733) on plasma lipids in familial hypercholesterolaemia. Mol MJ, et al. **Lancet** 1986 Oct 25; 2(8513):936–9

Levels of apolipoproteins and cholesterol of low and high density lipoproteins in asymptomatic Chagas disease. Cano RC, et al. **Medicina (B Aires)** 1985;45(3):269–72

Coronary risk factors. Pearson TA. **Proc Annu Meet Med Sect Am Counc Life Insur** 1986;:33–46

[Relation between coronary artery lesions and blood lipids in the fetus] Wang XY. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Oct; 14(5):280–1 **(Chi)**

[HLD–cholesterol and LDL–cholesterol in the blood in type I and II diabetes mellitus and the relation to atherogenesis] Felt V. **Vnitr Lek** 1986 Nov;32(11):1066–72 (Eng. Abstr.) **(Cze)**

[Significance of the LDL receptor in arteriosclerosis] Sailer D. **Fortschr Med** 1987 Apr 25;105(12):226–9 (Eng. Abstr.) **(Ger)**

[Application of Friedewald's LDL–c–estimation formula to heterozygotes of familial hypercholesterolemia] Nakajima K, et al. **Rinsho Byori** 1986 Oct;34(10):1163–7 **(Jpn)**

[Effect of propranolol on the plasma lipoprotein levels with special reference to apolipoproteins B] Banasiak W, et al. **Pol Tyg Lek** 1986 Sep 22;41(38):1203–5 (Eng. Abstr.) **(Pol)**

GENETICS

Linkage and segregation analyses of apolipoproteins A1 and B, and lipoprotein cholesterol levels in a large pedigree with excess coronary heart disease: the Bogalusa Heart Study. Amos CI, et al. **Genet Epidemiol** 1987;4(2):115–28

Complex segregation analysis of plasma lipid and lipoprotein variables in a Jerusalem sample of nuclear families. Friedlander Y, et al. **Hum Hered** 1987;37(1):7–19

ISOLATION & PURIFICATION

Cholesterol removal by haemoperfusion of whole blood in vivo. Tabak A, et al. **Life Support Syst** 1986 Oct–Dec; 4(4):355–65

[Regression of coronary sclerosis in familial hypercholesterolemia IIa by specific LDL apheresis] Hombach V, et al. **Dtsch Med Wochenschr** 1986 Nov 7; 111(45):1709–15 (Eng. Abstr.) **(Ger)**

[Synthesis and properties of an affinity sorbent for extraction of atherogenic lipoproteins] Andrianova IP, et al. **Bioorg Khim** 1986 Oct;12(10):1391–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Type C Niemann–Pick disease. A parallel loss of regulatory responses in both the uptake and esterification of low density lipoprotein–derived cholesterol in cultured fibroblasts. Pentchev PG, et al. **J Biol Chem** 1986 Dec 15; 261(35):16775–80

The effect of mevinolin on steroidogenesis in patients with defects in the low density lipoprotein receptor pathway. Laue L, et al. **J Clin Endocrinol Metab** 1987 Mar; 64(3):531–5

Metabolic epidemiology of plasma cholesterol. Mechanisms

of variation of plasma cholesterol within populations and between populations. International Collaborative Study Group. **Lancet** 1986 Nov 1;2(8514):991–6

The inflow rate of low density lipoprotein cholesterol to the arterial wall in experimental atherosclerosis. Poledne R, et al. **Physiol Bohemoslov** 1986;35(4):313–8

PHARMACODYNAMICS

[Effect of hyperlipemia on mitogen-induced blastogenesis in lymphocytes isolated from the rat spleen] Somogyi A, et al. **Allergol Immunopathol (Madr)** 1987 Mar–Apr; 15(2):89–92 (Eng. Abstr.) **(Spa)**

LIPOSARCOMA

ANALYSIS

Enhanced levels of insulin-like growth factor messenger RNA in human colon carcinomas and liposarcomas. Tricoli JV, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6169–73

COMPLICATIONS

Dysphagia and cough in a patient with a posterior mediastinal mass. Yang R, et al. **Chest** 1987 Sep;92(3):529–30

DIAGNOSIS

Liposarcoma simulating a Baker's cyst: a case study. Sarkar K, et al. **Arch Orthop Trauma Surg** 1986;105(5):316–9

Retroperitoneal liposarcoma presenting as spermatic cord tumor. Longbotham JH, et al. **Urology** 1987 Sep; 30(3):276–80

[Retroperitoneal liposarcoma. Apropos of 3 cases and a review of the literature] Azagra JS, et al. **Rev Med Brux** 1986 Nov;7(9):557–60 (35 ref.) (Eng. Abstr.) **(Fre)**

[Analysis of liposarcoma] Ubayama Y. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1597–602 (Eng. Abstr.) **(Jpn)**

[Multicentric occurrence of liposarcoma: report of a case and review of the literature] Kagawa K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jun;34(6):897–902 (Eng. Abstr.) **(Jpn)**

[Liposarcoma of rare localization diagnosed as ovarian tumor] Iaremchuk AIa, et al. **Khirurgiia (Mosk)** 1986 Sep; (9):124–6 **(Rus)**

DRUG THERAPY

Effective management of extremity cancers using cisplatin and etoposide in isolated limb perfusions. Roseman JM. **J Surg Oncol** 1987 Jul;35(3):170–2

ETIOLOGY

[Occupational exposure to asbestos and liposarcoma: description of a case] Rana F, et al. **Med Lav** 1986 Sep–Oct; 77(5):519–22 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Clonal chromosome abnormalities in two liposarcomas. Mertens F, et al. **Cancer Genet Cytogenet** 1987 Sep; 28(1):137–44

Translocation t(12;16) in a case of myxoid liposarcoma [letter] Smith S, et al. **Cancer Genet Cytogenet** 1987 May; 26(1):185–6

Cytogenetic studies of adipose tissue tumors. II. Recurrent reciprocal translocation t(12;16)(q13;p11) in myxoid liposarcomas. Turc-Carel C, et al. **Cancer Genet Cytogenet** 1986 Dec;23(4):291–9

PATHOLOGY

Liposarcoma presenting on the vulva. Brooks JJ, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):73–5

Atypical and malignant neoplasms showing lipomatous differentiation. A study of 111 cases. Azumi N, et al. **Am J Surg Pathol** 1987 Mar;11(3):161–83

Liposarcoma of pleural cavity with recurrence as malignant fibrous histiocytoma. McGregor DH, et al. **Ann Clin Lab Sci** 1987 Mar–Apr;17(2):83–92

Vulval liposarcoma. Genton CY, et al. **Arch Gynecol** 1987; 240(1):63–6

Liposarcoma of the larynx. Case report and literature review. Meis JM, et al. **Arch Otolaryngol Head Neck Surg** 1986 Dec;112(12):1289–92

Cardiac metastases. Case report on an isolated cardiac metastasis of a myxoid liposarcoma. Lagrange JL, et al. **Cancer** 1986 Nov 15;58(10):2333–7

Liposarcoma of the musculoskeletal system. Orson GG, et al. **Cancer** 1987 Sep 15;60(6):1362–70

Soft tissue sarcoma in Kuwait: a review of 114 patients. Jameel Ahmed M, et al. **Clin Radiol** 1987 Jan;38(1):27–9

Liposarcoma of the breast: a clinicopathologic study of 20 cases. Austin RM, et al. **Hum Pathol** 1986 Sep;17(9):906–13

Primary liposarcoma of the right atrium. Cafferty LL, et al. **Hum Pathol** 1987 Apr;18(4):408–10

Primary retroperitoneal sarcoma in the female pelvis. A report of three cases. Choo YC, et al. **J Reprod Med** 1987 Feb;32(2):157–60

Spermatic cord liposarcoma in a young boy. Pozza D, et al. **J Urol** 1987 Feb;137(2):306–8

Recurrent dedifferentiated liposarcoma of the spermatic cord simulating malignant fibrous histiocytoma: an immunohistochemical and ultrastructural study. Chan YF, et al. **Pathology** 1987 Jan;19(1):99–102

Liposarcoma of the thyroid gland. Nielsen VT, et al. **Tumori** 1986 Oct 31;72(5):499–502

[Histologic inhomogeneity of liposarcomas] Donhuijsen K. **Pathologe** 1986 Nov;7(6):327–33 **(Ger)**

[Lipoblastic tumor in young adults: myxoid liposarcoma or benign lipoblastoma? Presentation of a case] Grandi E, et al. **Pathologica** 1986 Mar–Apr;78(1054):269–75 (Eng. Abstr.) **(Ita)**

[Retroperitoneal liposarcoma: a report of 2 cases and review of 163 cases in Japan] Nakajima N, et al. **Hinyokika Kiyo** 1987 Mar;33(3):414–9 (Eng. Abstr.) **(Jpn)**

[5 cases of liposarcoma of the breast in women] Niemiec S, et al. **Wiad Lek** 1986 Jul 1;39(13):910–4 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

The value of computerised tomography in the differential diagnosis of lipoma and liposarcoma in the limbs. Baldini N, et al. **Ital J Orthop Traumatol** 1986 Jun;12(2):239–44

Computed tomographic findings and clinicopathologic features of intramuscular lipoma. Caprio F, et al. **Rays** 1985 Jan–Apr;10(1):39–42

[Two cases of intrathoracic liposarcoma] Taguchi M, et al. **Rinsho Hoshasen** 1986 Sep;31(9):1049–52 (Eng. Abstr.) **(Jpn)**

[Computed tomography of liposarcoma originating in the pelvic mesocolon] Yasuno M, et al. **Rinsho Hoshasen** 1986 Sep;31(9):1065–7 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Images of liposarcoma using technetium-99m bleomycin and technetium (V)-99m DMSA. Ohta H, et al. **Clin Nucl Med** 1986 Dec;11(12):842–4

RADIOTHERAPY

The treatment of soft tissue sarcomas in adults. Nicolato A, et al. **Rays** 1985 Jan–Apr;10(1):127–30

SECONDARY

Soft tissue sarcoma: two cases of solitary lung metastasis more than 15 years after diagnosis. Going JJ, et al. **Clin Radiol** 1986 Nov;37(6):579–81

The "empty" right iliac fossa. Radiological features of a large retroperitoneal liposarcoma. Skaane P. **ROFO** 1986 Sep; 145(3):350–1

SURGERY

Vascularised versus conventional nerve grafting: a case report. Boorman JG, et al. **J Hand Surg [Br]** 1987 Jun; 12(2):218–20

Liposarcoma of the spermatic cord: case report and review of the literature. Torosian MH, et al. **J Surg Oncol** 1987 Mar;34(3):179–81 (20 ref.)

Primary liposarcoma of the mediastinum—a case report and review of the literature. Shibata K, et al. **Jpn J Surg** 1986 Jul;16(4):277–83

Liposarcoma of the soft tissues. Schwartz HS, et al. **Orthopedics** 1987 Jul;10(7):1065–8

[Prolonged survival in retroperitoneal liposarcoma. Apropos of a case with 27 years' survival. Prognostic value of the histological type and role of repeat surgery] Boutboul R, et al. **Ann Urol (Paris)** 1986;20(6):397–9 (Eng. Abstr.) **(Fre)**

[Prolonged survival of retroperitoneal liposarcoma patients. Apropos of a case. Prognostic value of the histological type and site of iterative surgery] Boutboul R, et al. **J Chir (Paris)** 1986 Aug–Sep;123(8–9):510 **(Fre)**

[Retroperitoneal liposarcoma. Clinical, prognosis and therapeutic aspects apropos of 4 cases] Laqbaqbi A, et al. **J Chir (Paris)** 1987 May;124(5):331–6 (Eng. Abstr.) **(Fre)**

[Multiple primary retroperitoneal liposarcoma] Niv Y, et al. **Harefuah** 1986 Oct;111(7–8):173–5 (Eng. Abstr.) **(Heb)**

[Synchronous triple primary malignant neoplasms in a 42-year-old female] Nakajima K, et al. **Gan No Rinsho** 1987 Jul;33(8):961–8 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Ultrastructural characteristics of a pleomorphic liposarcoma. A possible involvement of myofibroblast. Suzuki T. **Acta Pathol Jpn** 1987 May;37(5):843–52

VETERINARY

Metastasis of a well-differentiated liposarcoma in a dog and a note on nomenclature of fatty tumours. Saik JE, et al. **J Comp Pathol** 1987 May;97(3):369–73

Liposarcoma in an old cat. Tanimoto T, et al. **Nippon Juigaku Zasshi** 1987 Aug;49(4):719–20

Spontaneous lipomatous tumors in the kidney of the Crl:CD(SD)BR rat. Gordon LR. **Toxicol Pathol** 1986; 14(2):175–82

LIPOSOMES

Temperature-induced spectral properties of chlorophyll a incorporated into egg-yolk lecithin liposomes and lipo-protein complexes. Bialek-Bylka GE, et al. **Acta Biochim Biophys Hung** 1986;21(4):369–79

Effects of ethanol on membrane order: fluorescence studies. Harris RA, et al. **Ann NY Acad Sci** 1987;492:125–35

Gel to liquid crystalline phase transition promotes a conformational reorganization of Ca2+, Mg2+-ATPase from sarcoplasmic reticulum in dimyristoylphosphatidylcholine reconstituted systems. Gutiérrez Merino C. **Arch Biochem Biophys** 1987 Jan; 252(1):303–14

Phosphatidylserine vesicles increase rat brain synaptosomal adenylate cyclase activity. Floreani M, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):631–6

The role of multivalency in antibody mediated liposome targeting. Houck KS, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1205–10

Characterization of the fusogenic properties of glyceraldehyde-3-phosphate dehydrogenase: fusion of phospholipid vesicles. López Vinals AE, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):403–9

Circular dichroism study of bacteriorhodopsin-lipid interaction. Nishiya T, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):836–40

Stimulation of quiescent 3T3 cells by phosphatidic acid-containing liposomes. Siegmann DW. **Biochem Biophys Res Commun** 1987 May 29;145(1):228–33

Some properties of tissue-type plasminogen activator reconstituted onto phospholipid and/or glycolipid vesicles. Soeda S, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):94–100

Functional incorporation and preferred orientation of phytohemagglutinin receptor glycoproteins in phospholipid vesicles. Dupuis G, et al. **Biochem Cell Biol** 1987 Feb; 65(2):120–9

On the existence of an amphotericin B– sterol complex in lipid vesicles and in propanol-water systems. Gruda I, et al. **Biochem Cell Biol** 1987 Mar;65(3):234–8

Preparation of spin-labelled sulfatides for EPR studies on model membranes. Marchesini S, et al. **Biochem Int** 1987 Mar;14(3):491–9

The possible involvement of the phospholipid phase of membranes in mediating the effects of verapamil on Ca2+ transport. Erdreich A, et al. **Biochem Pharmacol** 1987 Jun 1;36(11):1775–80

Influence of cationic amphiphilic drugs on the phosphatidylcholine hydrolysis by phospholipase A2. Gräbner R. **Biochem Pharmacol** 1987 Apr 1;36(7):1063–7

Modelling the biological membrane. Madden TD, et al. **Biochem Soc Trans** 1987 Feb;15(1):75–7

Nuclear magnetic resonance studies of a model membrane protein (M13 coat protein) reconstituted in detergent micelles and phospholipid vesicles. Weiner JH, et al. **Biochem Soc Trans** 1987 Feb;15(1):81–5

No phospholipid monolayer-sugar interactions. Arnett EM, et al. **Biochemistry** 1986 Sep 9;25(18):5239–42

Fraction of cholesterol undergoing spontaneous exchange between small unilamellar phosphatidylcholine vesicles. Bar LK, et al. **Biochemistry** 1986 Oct 21;25(21):6701–5

Association of protein kinase C with phospholipid vesicles. Bazzi MD, et al. **Biochemistry** 1987 Jan 13;26(1):115–22

Destabilization of phosphatidylethanolamine-containing liposomes: hexagonal phase and asymmetric membranes. Bentz J, et al. **Biochemistry** 1987 Apr 21;26(8):2105–16

Effect of covalent attachment of immunoglobulin fragments on liposomal integrity. Bredehorst R, et al. **Biochemistry** 1986 Sep 23;25(19):5693–8

Membrane vesicles containing the Sendai virus binding glycoprotein, but not the viral fusion protein, fuse with phosphatidylserine liposomes at low pH. Chejanovsky N, et al. **Biochemistry** 1986 Aug 26;25(17):4810–7

Effects of halothane on dipalmitoylphosphatidylcholine liposomes: a Raman spectroscopic study. Craig NC, et al. **Biochemistry** 1987 May 5;26(9):2449–58

Factors affecting surface expression of glycolipids: influence of lipid environment and ceramide composition on antibody recognition of cerebroside sulfate in liposomes. Crook SJ, et al. **Biochemistry** 1986 Nov 18;25(23):7488–94

Molecular details of melittin-induced lysis of phospholipid membranes as revealed by deuterium and phosphorus NMR. Dufourc EJ, et al. **Biochemistry** 1986 Oct 21; 25(21):6448–55

Influence of the calcium-induced gel phase on the behavior of small molecules in phosphatidylserine and phosphatidylserine-phosphatidylcholine multilamellar vesicles. Florine KI, et al. **Biochemistry** 1987 Mar 24; 26(6):1757–68

Protein redistribution in model membranes: clearing of M13 coat protein from calcium-induced gel-phase regions in phosphatidylserine/phosphatidylcholine multilamellar vesicles. Florine KI, et al. **Biochemistry** 1987 Jun 2; 26(11):2978–83

Short-chain lecithin/long-chain phospholipid unilamellar vesicles: asymmetry, dynamics, and enzymatic hydrolysis of the short-chain component. Gabriel NE, et al. **Biochemistry** 1987 May 5;26(9):2432–40

Anthracycline binding to synthetic and natural membranes. A study using resonance energy transfer. Griffin EA, et al. **Biochemistry** 1986 Dec 2;25(24):7875–80

A test of discreteness-of-charge effects in phospholipid vesicles: measurements using paramagnetic amphiphiles. Hartsel SC, et al. **Biochemistry** 1986 Dec 16;25(25):8214–9

Interaction of europium(III) with phospholipid vesicles as monitored by laser-excited europium(III) luminescence. Herrmann TR, et al. **Biochemistry** 1986 Sep 23; 25(19):5834–8

Target-sensitive immunoliposomes: preparation and characterization. Ho RJ, et al. **Biochemistry** 1986 Sep 23; 25(19):5500–6

A domain of membrane-bound blood coagulation factor Va is located far from the phospholipid surface. A fluorescence energy transfer measurement. Isaacs BS, et al. **Biochemistry** 1986 Aug 26;25(17):4958–69

Fusion of phospholipid vesicles induced by alpha-lactalbumin at acidic pH. Kim J, et al. **Biochemistry** 1986 Dec 2;25(24):7867–74

Parameters affecting fusion between Sendai virus and liposomes. Role of viral proteins, liposome composition, and pH. Klappe K, et al. **Biochemistry** 1986 Dec 16; 25(25):8252–60

Interaction of blood coagulation factor Va with phospholipid vesicles examined by using lipophilic photoreagents. Krieg UC, et al. **Biochemistry** 1987 Jan 13;26(1):103–9

Temperature jump as a new technique to study the kinetics of fast transport of protons across membranes. Krishnamoorthy G. **Biochemistry** 1986 Oct 21; 25(21):6666–71

Interaction of polymyxin B nonapeptide with anionic phospholipids. Kubesch P, et al. **Biochemistry** 1987 Apr 21;26(8):2139–49

Divalent cation induced fusion and lipid lateral segregation in phosphatidylcholine-phosphatidic acid vesicles. Leventis R, et al. **Biochemistry** 1986 Nov 4;25(22):6978–87

Uniform preparations of large unilamellar vesicles containing anionic lipids. Li W, et al. **Biochemistry** 1986 Nov 18; 25(23):7477–83

Electrostatic coupling of spectrin dimers to phosphatidylserine containing lipid lamellae. Maksymiw R, et al. **Biochemistry** 1987 Jun 2;26(11):2983–90

Kinetics of ganglioside transfer between liposomal and synaptosomal membranes. Masserini M, et al. **Biochemistry** 1987 Jan 13;26(1):237–42

Role of lipids in age-related changes in the properties of muscarinic receptors in cultured rat heart myocytes. Moscona-Amir E, et al. **Biochemistry** 1986 Dec 2; 25(24):8118–24

Binding of cytochrome c to liposomes as revealed by the quenching of fluorescence from pyrene-labeled phospholipids. Mustonen P, et al. **Biochemistry** 1987 Jun 2;26(11):2991–7

Low concentrations of bile salts increase the rate of spontaneous phospholipid transfer between vesicles. Nichols JW. **Biochemistry** 1986 Aug 12;25(16):4596–601

Mass action analysis of kinetics and extent of fusion between Sendai virus and phospholipid vesicles. Nir S, et al. **Biochemistry** 1986 Dec 16;25(25):8261–6

Multilayered vesicles prepared by reverse-phase evaporation: liposome structure and optimum solute entrapment. Pidgeon C, et al. **Biochemistry** 1987 Jan 13;26(1):17–29

Sterol-phospholipid interaction in model membranes: role of C5–C6 double bond in cholesterol. Ranadive GN, et al. **Biochemistry** 1987 May 5;26(9):2426–31

Interaction of cholera toxin with ganglioside GM1 receptors in supported lipid monolayers. Reed RA, et al. **Biochemistry** 1987 Feb 10;26(3):824–32

Relationship between three-dimensional arrays of "lipidic particles" and bicontinuous cubic lipid phases. Rilfors L, et al. **Biochemistry** 1986 Nov 18;25(23):7702–11

Structural changes in membranes of large unilamellar vesicles after binding of sodium cholate. Schubert R, et al. **Biochemistry** 1986 Sep 9;25(18):5263–9

Estimated conformation, orientation, and accumulation of dynorphin A-(1–13)-tridecapeptide on the surface of neutral lipid membranes. Schwyzer R. **Biochemistry** 1986 Jul 29;25(15):4281–6

Comparison of lipid/gramicidin dispersions and cocrystals by Raman scattering. Short KW, et al. **Biochemistry** 1987 Jan 27;26(2):557–62

Investigation of the interaction between thallous ions and gramicidin A in dimyristoylphosphatidylcholine vesicles: a thallium-205 NMR equilibrium study. Shungu DC, et al. **Biochemistry** 1986 Oct 7;25(20):6103–8

Interaction of complement proteins C5b-6 and C5b-7 with phospholipid vesicles: effects of phospholipid structural features. Silversmith RE, et al. **Biochemistry** 1986 Nov 18; 25(23):7717–25

Use of cytochrome P-450scc to measure cholesterol-lipid interactions. Stevens VL, et al. **Biochemistry** 1986 Jul 29; 25(15):4287–92

Incorporation of a synthetic mitochondrial signal peptide into charged and uncharged phospholipid monolayers. Tamm LK. **Biochemistry** 1986 Nov 18;25(23):7470–6

Lipid polymorphism of mixtures of dioleoylphosphatidylethanolamine and saturated and monounsaturated phosphatidylcholines of various chain lengths. Tate MW, et al. **Biochemistry** 1987 Jan 13; 26(1):231–6

Polar head molecular packing of dipalmitoylglycerophosphocholine in the gel state: a fluorescence investigation. Teissié J. **Biochemistry** 1987 Feb 10;26(3):840–6

Kinetic studies on the interaction of phosphatidylcholine liposomes with Triton X-100. Alonso A, et al. **Biochim Biophys Acta** 1987 Aug 20;902(2):237–46

(Na+ + K+)-ATPase in artificial lipid vesicles: influence of the concentration of mono- and divalent cations on the pumping rate. Apell HJ, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):254–64

Low pH fusion of mouse liver nuclei with liposomes bearing covalently bound lysozyme. Arvinte T, et al. **Biochim Biophys Acta** 1987 May 29;899(2):143–50

Ca2+-induced fusion of large unilamellar phosphatidylserine/cholesterol vesicles. Bental M, et al. **Biochim Biophys Acta** 1987 Apr 9;898(2):239–47

Permeability behavior of liposomes prepared from fatty acids and fatty acid methyl esters. Bittman R, et al. **Biochim Biophys Acta** 1986 Dec 1;863(1):115–20

Effects of bee venom melittin on the order and dynamics of dimyristoylphosphatidylcholine unilamellar and multilamellar vesicles. Bradrick TD, et al. **Biochim Biophys Acta** 1987 Jun 12;900(1):17–26

Binding of CTP: phosphocholine cytidylyltransferase to large unilamellar vesicles. Cornell R, et al. **Biochim Biophys Acta** 1987 May 13;919(1):37–48

Targeting of anti-Thy 1.1 monoclonal antibody conjugated liposomes in Thy 1.1 mice after intravenous administration. Debs RJ, et al. **Biochim Biophys Acta** 1987 Jul 23; 901(2):183–90

The effect of pH on the phase transition temperature of dipalmitoylphosphatidylcholine-palmitic acid liposomes. Fernández MS, et al. **Biochim Biophys Acta** 1986 Dec 16; 863(2):156–64

Lipid-dependent differential effects of stereoisomers of anesthetic alcohols. Firestone LL, et al. **Biochim Biophys Acta** 1987 Mar 26;898(1):90–6

Permeability studies on liposomes formed from polymerizable diacetylenic phospholipids and their potential applications as drug delivery systems. Freeman FJ, et al. **Biochim Biophys Acta** 1987 May 19;924(2):341–51

Specific interaction of arabinose residue in ginsenoside with egg phosphatidylcholine vesicles. Fukuda K, et al. **Biochim Biophys Acta** 1987 Jun 30;900(2):267–74

Solid core liposomes with encapsulated colloidal gold particles. Gao K, et al. **Biochim Biophys Acta** 1987 Mar 12;897(3):377–83

The osmotic response of large unilamellar vesicles studied by quasielastic light scattering. Hantz E, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):379–86

Interactions of functionalized polymeric liposomes having a porphinato-iron complex with some biological cells and components in vitro. Hasegawa E, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):235–42

Surface potential changes in lipid monolayers and the 'cut-off' in anaesthetic effects of N-alkanols. Haydon DA, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):337–40

Structure of planar membrane formed from liposomes. Kolomytkin OV. **Biochim Biophys Acta** 1987 Jun 12; 900(1):145–56

Simultaneous determination of membrane potential and pH gradient by photodiode array spectroscopy. Konishi T, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):278–84

Functional reconstitution of carrier proteins by removal of detergent with a hydrophobic ion exchange column. Krämer R, et al. **Biochim Biophys Acta** 1986 Dec 16; 863(2):289–96

Synthesis of carboxyacyl derivatives of phosphatidylethanolamine and use as an efficient method for conjugation of protein to liposomes. Kung VT, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):435–9

Effects of divalent cations on the ultrasonic absorption coefficient of negatively charged liposomes (LUV) near their phase transition temperature. Ma LD, et al. **Biochim Biophys Acta** 1987 Aug 20;902(2):183–92

Lipid miscibility and size increase of vesicles composed of two phosphatidylcholines. Massari S, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):264–76

Visualization of domains in rigid ganglioside/phosphatidylcholine bilayers: Ca2+ effects. Mehlhorn IE, et al. **Biochim Biophys Acta** 1986 Dec 16; 863(2):139–55

Optical birefringence of phosphatidylcholine liposomes in gel phases. Mishima K, et al. **Biochim Biophys Acta** 1987 Apr 9;898(2):231–8

Fusogenic activity of delta-haemolysin from Staphylococcus aureus in phospholipid vesicles in the liquid-crystalline phase. Morgan CG, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):129–38

Conformation and packing properties of membrane lipids: the crystal structure of sodium dimyristoylphosphatidylglycerol. Pascher I, et al. **Biochim Biophys Acta** 1987 Jan 9;896(1):77–88

Effect of Triton X-100 on the physical properties of liposomes. Ruderman G, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):277–81

Fusion of Sindbis virus with model membranes containing phosphatidylethanolamine: implications for protein-induced membrane fusion. Scheule RK. **Biochim Biophys Acta** 1987 May 29;899(2):185–95

Local anesthetics and pressure: a comparison of dibucaine binding to lipid monolayers and bilayers. Seelig A. **Biochim Biophys Acta** 1987 May 29;899(2):196–204

Latrotoxin-induced fusion of liposomes with bilayer phospholipid membranes. Sokolov YV, et al. **Biochim Biophys Acta** 1987 Jun 30;900(2):295–9

Reconstitution of affinity-purified dopamine D2 receptor binding activities by specific lipids. Srivastava LK, et al. **Biochim Biophys Acta** 1987 Jun 30;900(2):175–82

Electron microscopic and biophysical studies of liposome membrane structures to characterize similar features of the membranes of Streptomyces hygroscopicus. Sternberg B, et al. **Biochim Biophys Acta** 1987 Apr 9;898(2):223–30

A newly developed immunoliposome—an egg phosphatidylcholine liposome coated with pullulan bearing both a cholesterol moiety and an IgMs fragment. Sunamoto J, et al. **Biochim Biophys Acta** 1987 Apr 23;898(3):323–30

Modulation of myelin basic protein-induced aggregation and fusion of liposomes by cholesterol, aliphatic aldehydes and alkanes. Surewicz WK, et al. **Biochim Biophys Acta** 1986 Dec 1;863(1):45–52

Fluidity-dependence of membrane adhesiveness can be explained by thermotropic shifts in surface potential. Tatulian SA. **Biochim Biophys Acta** 1987 Jul 10; 901(1):161–5

Thermodynamic and phase characterization of phosphatidylethanolamine and ganglioside GD1a mixtures. Tsao YS, et al. **Biochim Biophys Acta** 1987 Jun 12; 900(1):79–87

Dynamics of appearance and disappearance of the ripple structure in multilamellar liposomes of dipalmitoylphosphatidylcholine. Tsuchida K, et al. **Biochim Biophys Acta** 1987 Mar 26;898(1):53–8

Depth-dependent fluorescent quenching of a tryptophan residue located at defined positions on a rigid 21-peptide helix in liposomes. Voges KP, et al. **Biochim Biophys Acta** 1987 Jan 9;896(1):64–76

Association of ferri- and ferro-cytochrome c with lipid multilayers: a 31P solid-state NMR study [published erratum appears in Biochim Biophys Acta 1987 Jan 26;896(2):323] Waltham MC, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):451–6

Membrane-damaging action of staphylococcal alpha-toxin on phospholipid-cholesterol liposomes. Watanabe M, et al. **Biochim Biophys Acta** 1987 Apr 23;898(3):257–65

The kinetics of binding of o-methyl red to the outer surface of unilamellar spherical phospholipid vesicles. Ruf H. **Biophys Chem** 1987 May 9;26(2–3):313–20

Model of cell electrofusion. Membrane electroporation, pore coalescence and percolation. Sugar IP, et al. **Biophys Chem** 1987 May 9;26(2–3):321–35

A possibility to recognize chirality by an excitable artificial liquid membrane. Yoshikawa K, et al. **Biophys Chem** 1986 Jul;24(2):111–9

A temperature gradient method for lipid phase diagram construction using time-resolved x-ray diffraction. Caffrey M, et al. **Biophys J** 1987 Jan;51(1):37–46

Uniformly oriented gramicidin channels embedded in thick monodomain lecithin multilayers. Huang HW, et al. **Biophys J** 1987 Jun;51(6):989–92

Electron density profile of two-dimensionally crystalline membranous cytochrome c oxidase at low resolution. Jayaraman U, et al. **Biophys J** 1987 Mar;51(3):475–86

Morphological responses to calcium-induced interaction of phosphatidylserine-containing vesicles. Kachar B, et al. **Biophys J** 1986 Nov;50(5):779–88

Gramicidin S analogs with a D-Ala, Gly, or L-Ala residue in place of the D-Phe residue: molecular conformations and interactions with phospholipid membrane. Higashijima T, et al. **Biopolymers** 1986 Dec;25(12):2295–307

Development of immunoassay methods by use of liposomes. Yu BS, et al. **Biotechnol Appl Biochem** 1987 Jun;9(3):209–16

Calcium phosphate precipitation in aqueous suspensions of phosphatidylserine-containing anionic liposomes. Eanes ED, et al. **Calcif Tissue Int** 1987 Jan;40(1):43–8

Comparative cell uptake of propidium iodide associated with liposomes or nanoparticles. Guise V, et al. **Cell Mol Biol** 1987;33(3):397–405

Activation of protein kinase C with cardiolipin-containing liposomes in relation to membrane-protein interaction. Nobori K, et al. **Cell Struct Funct** 1987 Aug;12(4):375–85

Inhibitory effect of cholesterol on interaction between cytoplasmic actin and liposomes, and restorative effect of high osmotic pressure. Okimasu E, et al. **Cell Struct Funct** 1987 Apr;12(2):187–95

Effect of ricin or ricin A-chain encapsulated in anti-carcinoembryonic antigen (CEA) antibody-bearing liposomes on CEA-producing tumor cells. Watanabe Y, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):740–7

The effects of Ca2+ on lipid diffusion. Blatt E, et al. **Chem Phys Lipids** 1986 Oct-Nov;41(3–4):183–94

Interactions of insulin with sulfatide-containing vesicles of phosphatidylcholine at different pHs. Cervato G, et al. **Chem Phys Lipids** 1987 Mar;43(2):135–46

A detailed analysis of the motions of cholesterol in biological membranes by 2H-NMR relaxation. Dufourc EJ, et al. **Chem Phys Lipids** 1986 Sep;41(2):123–35

Pr3+ transport across phosphatidylcholine vesicles mediated by open crown synthetic ionophores. Grandjean J. **Chem Phys Lipids** 1986 Oct-Nov;41(3–4):309–14

13C-NMR and spectrophotometric studies of alcohol-lipid interactions. Herold LL, et al. **Chem Phys Lipids** 1987 Apr; 43(3):215–25

Effect of ganglioside-GM1 on the order of phosphatidylcholine-cholesterol multilamellar liposomes. A fluorescence polarization study. Hitzemann RJ. **Chem Phys Lipids** 1987 Jan-Feb;43(1):25–38

Phospholipid dependence of calcium ion effects on electrophoretic mobilities of liposomes. Klein JW, et al. **Chem Phys Lipids** 1987 Jan-Feb;43(1):13–23

Molecular interactions and thermotropic behavior of glycosphingolipids in model membrane systems. Maggio B, et al. **Chem Phys Lipids** 1986 Dec 15;42(1-3):49-63 (54 ref.)

Prediction of the critical micelle concentrations of mono- and di-acyl phospholipids. Marsh D, et al. **Chem Phys Lipids** 1986 Dec 31;42(4):271-7

Effects of composition and molecular packing on ionic properties of lipid monolayer having both cationic and anionic head groups. Seimiya T, et al. **Chem Phys Lipids** 1987 Apr;43(3):161-77

Estimation of the equilibrium lateral pressure in 1-palmitoyl-2-[6(pyren-1-yl)]hexanoyl-glycerophospholipid liposomes. Thuren T, et al. **Chem Phys Lipids** 1986 Oct-Nov;41(3-4):329-34

Use of liposome encapsulation in a combined single-liquid reagent for homogeneous enzyme immunoassay. Ullman EF, et al. **Clin Chem** 1987 Sep;33(9):1579-84

Effect of several lipids, fatty acyl chain length, and degree of unsaturation on the motility of bull spermatozoa after cold shock and freezing. Graham JK, et al. **Cryobiology** 1987 Feb;24(1):42-52

Reconstitution of the purified alpha-latrotoxin receptor in liposomes and planar lipid membranes. Clues to the mechanism of toxin action. Scheer H, et al. **EMBO J** 1986 Oct;5(10):2643-8

Anaesthetic--phospholipid interaction. The effect of chlorpromazine on phospholipid monolayers. Beurer G, et al. **Eur Biophys J** 1987;14(7):403-8

Lateral proton conduction at a lipid/water interface. Effect of lipid nature and ionic content of the aqueous phase. Prats M, et al. **Eur J Biochem** 1987 Jan 15;162(2):379-85

Specificity of human glucosylceramide beta-glucosidase towards synthetic glucosylsphingolipids inserted into liposomes. Kinetic studies in a detergent-free assay system. Sarmientos F, et al. **Eur J Biochem** 1986 Nov 3; 160(3):527-35

Coreconstitution of bacterial ATP synthase with monomeric bacteriorhodopsin into liposomes. A comparison between the efficiency of monomeric bacteriorhodopsin and purple membrane patches in coreconstitution experiments. Wagner N, et al. **Eur J Biochem** 1987 May 15;165(1):177-83

Modification of the ultrastructure of Entamoeba histolytica after phagocytosis of liposomes loaded with phalloidin. Trudel P, et al. **Eur J Cell Biol** 1987 Apr;43(2):195-202

Interaction of immunoglobulin-coupled liposomes with rat liver macrophages in vitro. Derksen JT, et al. **Exp Cell Res** 1987 Jan;168(1):105-15

Thiolation of preformed liposomes with iminothiolane. Lasch J, et al. **FEBS Lett** 1987 Apr 6;214(1):13-6

Ethylene glycol causes acyl chain disordering in liquid-crystalline, unsaturated phospholipid model membranes, as measured by 2H NMR. Nicolay K, et al. **FEBS Lett** 1986 Dec 1;209(1):33-6

Interaction of the voltage-sensing fluorescent probe diS-C3-(5) with dipalmitoylphosphatidylcholine liposomes. Ivkova MN, et al. **Gen Physiol Biophys** 1987 Feb;6(1):45-55

Efficient radiolabeling of mammalian cells using 111In-tagged liposomes. Kassis AI, et al. **Int J Rad Appl Instrum [B]** 1987;14(1):33-5

Co-encapsulation of cyclosporin and insulin by liposomes. Stuhne-Sekalec L, et al. **J Biochem Biophys Methods** 1986 Aug;13(1):23-7

Preparation and some properties of giant liposomes and proteoliposomes. Higashi K, et al. **J Biochem (Tokyo)** 1987 Feb;101(2):433-40

Fusion of negatively charged phospholipid vesicles by insulin. Relationship with lipid fluidity. Farias RN, et al. **J Biol Chem** 1986 Nov 25;261(33):15508-12

Effect of phospholipids on the catalytic subunits of the mitochondrial F0.F1-ATPase. Laird DM, et al. **J Biol Chem** 1986 Nov 5;261(31):14851-6

Energy transfer measurements of fusion between Sendai virus and vesicles corrected for decreased absorption of acceptor probe. MacDonald RI. **J Biol Chem** 1987 Jul 25; 262(21):10392-7

Regulation of cholesteryl oleate and triolein miscibility in monolayers and bilayers. Smaby JM, et al. **J Biol Chem** 1987 Jun 15;262(17):8206-12

Evidence for ligand- and pH-dependent conformational changes in liposome-associated mannose 6-phosphate receptor. Westcott KR, et al. **J Biol Chem** 1987 May 5; 262(13):6101-7

Different and synergistic actions of human tumor necrosis factor and interferon-gamma in damage of liposome membranes. Yoshimura T, et al. **J Biol Chem** 1987 Apr 5;262(10):4597-601

A calorimetric study of the interaction of synthetic phospholipid liposomes with lipid-soluble small molecules used as dental materials and devices. Fujisawa S, et al. **J Biomed Mater Res** 1987 Jan;21(1):89-98

Resonance energy transfer microscopy: observations of membrane-bound fluorescent probes in model membranes and in living cells. Uster PS, et al. **J Cell Biol** 1986 Oct; 103(4):1221-34

Time and temperature dependence of influenza virus membrane fusion at neutral pH. Haywood AM, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2813-7

Liposomes expressing IL 1 biological activity. Bakouche O, et al. **J Immunol** 1987 Jun 15;138(12):4256-62

Modulation of the biological activity of bacterial endotoxin by incorporation into liposomes. Dijkstra J, et al. **J Immunol** 1987 Apr 15;138(8):2663-70

Quantitative analysis of the T cell response to antigen and planar membranes containing purified Ia molecules. Fox BS, et al. **J Immunol** 1987 May 15;138(10):3367-74

Liposome immune lysis assay (LILA). Application of sandwich method to determine a serum protein component with antibody-bearing liposomes. Umeda M, et al. **J Immunol Methods** 1986 Dec 4;95(1):15-21

Spectroscopic studies on Zn(II)-phthalocyanine in homogeneous and microheterogeneous systems. Valduga G, et al. **J Inorg Biochem** 1987 Jan;29(1):59-65

Stratum corneum lipid liposomes: calcium-induced transformation into lamellar sheets. Abraham W, et al. **J Invest Dermatol** 1987 Feb;88(2):212-4

Effects of membrane physical parameters on hematoporphyrin-derivative binding to liposomes: a spectroscopic study. Gross E, et al. **J Membr Biol** 1987; 97(3):215-21

Reconstitution in phospholipid vesicles of calcium-activated potassium channel from outer renal medulla. Klaerke DA, et al. **J Membr Biol** 1987;95(2):105-12

Thermotropic interaction of vitamin E with dimyristoyl and dipalmitoyl phosphatidylcholine liposomes. McMurchie EJ, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Oct;32(5):551-8

Preservation of ultrastructure in phosphatidylcholine vesicles by tannic acid and OsO4. Asami K. **J Ultrastruct Mol Struct Res** 1986 Apr-Jun;95(1-3):38-46

Reconstitution of functional influenza virus envelopes and fusion with membranes and liposomes lacking virus receptors. Nussbaum O, et al. **J Virol** 1987 Jul; 61(7):2245-52

Correlation of side chain mobility with cholesterol retention by phospholipid vesicles. Jacobsohn MK, et al. **Lipids** 1986 Nov;21(11):691-6

Apocytochrome c induces pH-dependent vesicle fusion. Walter A, et al. **Membr Biochem** 1986;6(3):217-37

Liposome encapsulation of muramyl peptides for activation of macrophage cytotoxic properties. Nayar R, et al. **Methods Enzymol** 1986;132:594-603

Modulation of phosphatidylinositol turnover by liposomes containing phosphatidylinositol. Wassef NM, et al. **Methods Enzymol** 1987;141:244-55

Properties of Mycoplasma gallisepticum grown in a medium supplemented with liposomes as a substitute for serum. Kazama S, et al. **Microbiol Immunol** 1986;30(9):923-9

DNA-free liposome-assisted transfection of Streptococcus faecium SF 77R protoplasts. Prestini PA, et al. **Microbiologica** 1987 Apr;10(2):133-42

The role of interfacial structured water on the glycoprotein arrangement in liposomes. Neitchev VZ, et al. **Mol Biol Rep** 1986;11(4):253-7

Effect of D2O on the transport of ascorbate across membranes of DPPC vesicles. Lohmann W, et al. **Naturwissenschaften** 1986 Oct;73(10):617-8

Dipalmitoylphosphatidylcholine liposomes inhibit calcium-dependent [3H]acetylcholine release. Bottiglieri DF, et al. **Neurochem Res** 1987 Aug;12(8):739-44

Liposomes with polyribonucleotides as model of precellular systems. Baeza I, et al. **Orig Life Evol Biosph** 1987; 17(3-4):321-31

Singlet oxygen generation by furocoumarins: effect of DNA and liposomes. Blan QA, et al. **Photochem Photobiol** 1987 Feb;45(2):177-83

Free radicals detected by ESR from phenylheptatriyne in liposomes irradiated with UV-A. McRae D, et al. **Photochem Photobiol** 1987 Mar;45(3):353-7

Mechanism of concentration quenching of a xanthene dye encapsulated in phospholipid vesicles. Plant AL. **Photochem Photobiol** 1986 Oct;44(4):453-9

Distribution of porphyrins in the various compartments of unilamellar liposomes of dipalmitoyl-phosphatidylcholine as probed by fluorescence spectroscopy. Ricchelli F, et al. **Photochem Photobiol** 1986 Aug;44(2):151-7

Purified prion proteins and scrapie infectivity copartition into liposomes. Gabizon R, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4017-21

Visualization of Ca2+-induced phospholipid domains. Haverstick DM, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(13):4475-9

Basic protein enhances the incorporation of DNA into lipid vesicles: model for the formation of primordial cells. Jay DG, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1978-80

Photodynamic action of merocyanine 540 on artificial and natural cell membranes: involvement of singlet molecular oxygen. Kalyanaraman B, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2999-3003

Lipid monolayer states and their relationships to bilayers. MacDonald RC, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(12):4089-93

Selective killing of T lymphocytes by phototoxic liposomes. Yemul S, et al. **Proc Natl Acad Sci USA** 1987 Jan; 84(1):246-50

A comparison of X-irradiation and ferrous ion-ascorbate on oxidation of phosphatidylglycerols in multilamellar liposomes. Ianzini F, et al. **Radiat Environ Biophys** 1987; 26(1):37-46

Magnetic field-induced drug permeability in liposome vesicles. Liburdy RP, et al. **Radiat Res** 1986 Oct; 108(1):102-11

The effect of ultrasound on the size of liposomes. Pezoa R, et al. **Res Commun Chem Pathol Pharmacol** 1987 Jan; 55(1):133-6

A simple technique for entrapping rifampicin and isoniazid into liposomes. Wasserman M, et al. **Tubercle** 1986 Jun; 67(2):83-90

Spontaneous release of malondialdehyde from ultraviolet light exposed liposomal membranes. Agarwal S, et al. **Z Naturforsch [C]** 1987 May;42(5):585-8

[The determination methods for the size and distribution of particles and particulate matter in intravenous injections of polyphase liposome (139) in the form of suspensions] Deng YJ, et al. **Yao Hsueh Hsueh Pao** 1987 Feb;22(2):145-9 (Eng. Abstr.) **(Chi)**

[Study on the chemical stability of MTX polyphase liposomes] Qi H, et al. **Yao Hsueh Hsueh Pao** 1986 Nov; 21(11):847-52 (Eng. Abstr.) **(Chi)**

[Determination of encapsulation efficiency and release test of MTX polyphase liposome] Qi H, et al. **Yao Hsueh Hsueh Pao** 1987 Jan;22(1):48-52 (Eng. Abstr.) **(Chi)**

[Studies on the physical properties of the injection of polyphase liposome of homoharringtonine] Tang SJ, et al. **Yao Hsueh Hsueh Pao** 1986 Aug;21(8):618-22 (Eng. Abstr.) **(Chi)**

[Drug permeation through artificial lipoid membranes. 20. The effectiveness of multiple-lamellar liposomes for evaluating drug transport] Neubert R, et al. **Pharmazie** 1987 Feb;42(2):102-3 (Eng. Abstr.) **(Ger)**

[A complement-mediated immune lysis test using liposomes for the detection of antibodies to Mycoplasma pneumoniae] Motoda S. **Nippon Saikingaku Zasshi** 1986 Sep;41(5):757-65 (Eng. Abstr.) **(Jpn)**

[Effects of phenol and related compounds on erythrocytes and hepatocytes from rats and dipalmitoyl phosphatidylcholine-liposomes] Usami K, et al. **Nippon Yakurigaku Zasshi** 1987 Apr;89(4):235-41 (Eng. Abstr.) **(Jpn)**

[Reduction of cytochrome c adsorbed on liposomes] Iushchishina AN, et al. **Biofizika** 1987 Mar-Apr;32(2):341-2 (Eng. Abstr.) **(Rus)**

[Study of molecular mobility in biological membranes by 2-mm band ESR spectroscopy] Krinichnyi VI, et al. **Biofizika** 1987 Jan-Feb;32(1):59-63 (Eng. Abstr.) **(Rus)**

[Interaction of the fluorescent probe diS-C3-(5) with lecithin-cholesterol membranes] Matylevich NP, et al. **Biofizika** 1986 Nov-Dec;31(6):997-1000 (Eng. Abstr.) **(Rus)**

[Synthesis of polymerizable phospholipid derivatives and creation of polymer monolayers and liposomes with immobilized bacteriorhodopsin] Zaltsev SIu, et al. **Bioorg Khim** 1986 Dec;12(12):1675-7 (Eng. Abstr.) **(Rus)**

[Liposomes as a carrier of genetic information] Cherniavskii VA, et al. **Mol Gen Mikrobiol Virusol** 1985 Jul;(7):3-12 (82 ref.) (Eng. Abstr.) **(Rus)**

[Optimization of the transfer and incorporation of viral DNA into cells using liposomes conjugated with influenza virus glycoprotein] Glushakova SE, et al. **Mol Gen Mikrobiol Virusol** 1985 Jul;(7):32-6 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Pharmacosomes--a novel drug delivery system. Vaizoglu MO, et al. **Acta Pharm Suec** 1986;23(3):163-72

Liposome targeting to macrophages: opportunities for treatment of infectious diseases. Kirsh R, et al. **Adv Exp Med Biol** 1986;202:171-84 (44 ref.)

Filtering surgery in owl monkeys treated with the antimetabolite 5-fluorouridine 5'-monophosphate entrapped in multivesicular liposomes. Skuta GL, et al. **Am J Ophthalmol** 1987 May 15;103(5):714-6

Effect of charge on hepatic specific nature of vesicle encapsulated insulin in conscious dogs. Spangler RS, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):E591-6

Selective enhancement of pentamidine uptake in the lung by aerosolization and delivery in liposomes. Debs RJ, et al. **Am Rev Respir Dis** 1987 Mar;135(3):731-7

In vitro and in vivo studies with anionic sulfatide-liposomes containing adriamycin. Cervato G, et al. **Anticancer Res** 1986 Nov-Dec;6(6):1287-90

Effect of liposome-entrapped ampicillin on survival of Listeria monocytogenes in murine peritoneal macrophages. Bakker-Woudenberg IA, et al. **Antimicrob Agents Chemother** 1986 Aug;30(2):295-300

Antileishmanial activity of liposome-encapsulated amphotericin B in hamsters and monkeys. Berman JD, et al. **Antimicrob Agents Chemother** 1986 Dec;30(6):847-51

Liposomes as carriers of antimicrobial agents. Lopez-Berestein G. **Antimicrob Agents Chemother** 1987 May;31(5):675-8 (43 ref.)

Effect of lipid composition and liposome size on toxicity and in vitro fungicidal activity of liposome-intercalated amphotericin B. Szoka FC Jr, et al. **Antimicrob Agents Chemother** 1987 Mar;31(3):421-9

Multivesicular liposomes. Sustained release of the antimetabolite cytarabine in the eye. Assil KK, et al. **Arch Ophthalmol** 1987 Mar;105(3):400-3

Liposome-encapsulated hemoglobin as a red cell surrogate. Preparation scale-up. Beissinger RL, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):58-63

On the possibility of the unification of drug targeting systems. Studies with liposome transport to the mixtures of target antigens. Trubetskoy VS, et al. **Biochem Pharmacol** 1987

Mar 15;36(6):839–42
Delivery of liposome-associated drugs to liver cells. Scherphof GL, et al. **Biochem Soc Trans** 1987 Jun; 15(3):345–8
Resonance energy-transfer and fluorescence intensity studies of the transport of liposome-encapsulated molecules into isolated mouse liver nuclei. Arvinte T, et al. **Biochemistry** 1987 Feb 10;26(3):765–72
Biodistribution of pH-sensitive immunoliposomes. Connor J, et al. **Biochim Biophys Acta** 1986 Dec 10;884(3):474–81
Liposome-mediated delivery of pteridine antifolates to cells in vitro: potency of methotrexate, and its alpha and gamma substituents. Heath TD, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):72–80
Liposomes are effective carriers for the ocular delivery of prophylactics. Shek PN, et al. **Biochim Biophys Acta** 1987 Aug 20;902(2):229–36
Liposome-bound cortisol: a new approach to cutaneous therapy. Lasch J, et al. **Biomed Biochim Acta** 1986; 45(10):1295–9
Inhibition of tumor cell growth in vitro and in vivo by 2-methyl 9-hydroxyellipticinium entrapped within phospholipid vesicles. Sautereau AM, et al. **Biopharm Drug Dispos** 1986 Jul–Aug;7(4):357–71
Effect of adriamycin entrapped by sulfatide-containing liposomes on ovarian tumor-bearing nude mice. Kojima N, et al. **Biotechnol Appl Biochem** 1986 Oct;8(5):471–8
Immunotoxicity of multiple dosing regimens of free doxorubicin and doxorubicin entrapped in cardiolipin liposomes. Rahman A, et al. **Br J Cancer** 1986 Sep; 54(3):401–8
Imaging in rheumatoid arthritis using liposomes labelled with technetium. Williams BD, et al. **Br Med J [Clin Res]** 1986 Nov 1;293(6555):1143–4
Modulation of the peritoneal clearance of liposomal cytosine arabinoside by blank liposomes. Kim S, et al. **Cancer Chemother Pharmacol** 1987;19(4):307–10
Pharmacokinetics and tissue distribution of liposome-encapsulated cis-bis-N-decyl-iminodiacetato-1,2-diaminocyclohexane-platinum (II). Lautersztain J, et al. **Cancer Chemother Pharmacol** 1986;18(2):93–7
Multivesicular liposomes containing 1-beta-D-arabinofuranosylcytosine for slow-release intrathecal therapy. Kim S, et al. **Cancer Res** 1987 Aug 1;47(15):3935–7
Antitumor effect of adriamycin entrapped in liposomes conjugated with anti-human alpha-fetoprotein monoclonal antibody. Konno H, et al. **Cancer Res** 1987 Aug 15; 47(16):4471–7
Antibody-directed liposomes: comparison of various ligands for association, endocytosis, and drug delivery. Matthay KK, et al. **Cancer Res** 1986 Oct;46(10):4904–10
Toxicity and antitumor activity of cis-bis-cyclopentenecarboxylato-1,2-diaminocyclohexane platinum(II) encapsulated in multilamellar vesicles. Perez-Soler R, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6269–73
Treatment of experimental lung metastasis with local thoracic irradiation followed by systemic macrophage activation with liposomes containing muramyl tripeptide. Saiki I, et al. **Cancer Res** 1986 Oct;46(10):4966–70
Influence of lipid composition on the antitumor activity exerted by doxorubicin-containing liposomes in a rat solid tumor model. Storm G, et al. **Cancer Res** 1987 Jul 1; 47(13):3366–72
Induction of tumoricidal activity in isolated rat liver macrophages by liposomes containing recombinant rat gamma-interferon supplemented with lipopolysaccharide or muramyldipeptide. Stukart MJ, et al. **Cancer Res** 1987 Jul 15;47(14):3880–5
Lack of production of interleukin 1 by human blood monocytes activated to the antitumor state by liposome-encapsulated muramyl tripeptide. Tandon P, et al. **Cancer Res** 1986 Oct;46(10):5039–44
Multivesicular liposomes containing cytarabine for slow-release Sc administration. Kim S, et al. **Cancer Treat Rep** 1987 May;71(5):447–50
Multivesicular liposomes containing cytarabine entrapped in the presence of hydrochloric acid for intracavitary chemotherapy. Kim S, et al. **Cancer Treat Rep** 1987 Jul–Aug;71(7–8):705–11
Feasibility of magnetic liposomes as a targeting device for drugs. Kiwada H, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4253–8
Cardiorespiratory effects of exchange transfusions with synthetic erythrocytes in rats. Djordjevich L, et al. **Crit Care Med** 1987 Apr;15(4):318–23
Murine model for intracellular therapeutic radiation of metastatic melanoma. Hill AS, et al. **Curr Surg** 1987 Mar–Apr;44(2):132–4
Penetration kinetics of liposomal hydrocortisone in human skin. Wohlrab W, et al. **Dermatologica** 1987;174(1):18–22
Effects of cis-diamminedichloroplatinum (II) loaded liposomes on mouse Ehrlich tumor cells. De Pauw-Gillet MC, et al. **Eur J Cancer Clin Oncol** 1986 Oct; 22(10):1139–47
Interaction of protein- and DNA-loaded liposomes with sperm cells. Boda K, et al. **Folia Biol (Praha)** 1987; 33(2):93–7
Effect of cholesterol content on the efficacy of liposomes in oral administration. Das N, et al. **Indian J Biochem Biophys** 1986 Aug;23(4):242–4
Liposome-mediated functional targeting of prednisolone. Padki M, et al. **Indian J Med Res** 1986 Jul;84:83–8
Immunogenic activity of gonococcal protein I in mice with three different lipoidal adjuvants delivered in liposomes and in complexes. Jiskoot W, et al. **Infect Immun** 1986 Nov; 54(2):333–8
Immunomodulating properties of substances to be used in combination with liposomes. Zigterman GJ, et al. **Int Arch Allergy Appl Immunol** 1986;81(3):245–52
A comparison of regular insulin and vesicle encapsulated insulin on glucose metabolism in diabetic subjects. Campbell P, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Dec;24(12):658–60
Antiproliferative and anticontractile effects of liposome encapsulated fluoroorotate. Heath TD, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1365–72
Application of miniosmotic pumps for liposomal drug delivery to the ocular lens. Megaw JM, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1429–33
The production and evaluation of contrast-carrying liposomes made with an automatic high-pressure system. Cheng KT, et al. **Invest Radiol** 1987 Jan;22(1):47–55
Characterization of liposomes containing iodine-125-labeled radiographic contrast agents. Zalutsky MR, et al. **Invest Radiol** 1987 Feb;22(2):141–7
Liposome-entrapped antioxidant enzymes prevent lethal O2 toxicity in the newborn rat. Tanswell AK, et al. **J Appl Physiol** 1987 Jul;63(1):347–52
Augmentation of antioxidant enzymes in vascular endothelium. Beckman JS, et al. **J Free Radic Biol Med** 1986;2(5–6):359–65
Antibody-bearing liposomes as multicolor immunofluorescence markers for flow cytometry and imaging. Truneh A, et al. **J Immunol Methods** 1987 Jun 26;100(1–2):59–71
Intracellular killing of Mycobacterium avium complex by rifapentine and liposome-encapsulated amikacin. Bermudez LE, et al. **J Infect Dis** 1987 Sep;156(3):510–3
Therapeutic efficacy of liposome-encapsulated ribavirin and muramyl tripeptide in experimental infection with influenza or herpes simplex virus. Gangemi JD, et al. **J Infect Dis** 1987 Mar;155(3):510–7
In-vivo studies of amphotericin B liposomes derived from proliposomes: effect of formulation on toxicity and tissue disposition of the drug in mice. Payne NI, et al. **J Pharm Pharmacol** 1987 Jan;39(1):24–8
The effect of incorporation of cloxacillin in liposomes on treatment of experimental staphylococcal mastitis in mice. Anderson JC, et al. **J Vet Pharmacol Ther** 1986 Sep; 9(3):303–9
Liposomes embark on rescue mission to make highly toxic drugs more useful [news] Raymond CA. **JAMA** 1987 Mar 6;257(9):1143–4
Antitumor effect of adriamycin entrapped in liposomes conjugated with monoclonal antibody against tumor-associated antigen of bovine leukemia cells. Onuma M, et al. **Jpn J Cancer Res** 1986 Nov;77(11):1161–7
Application of liposome-entrapped drugs. Kumashiro H, et al. **Jpn J Psychiatry Neurol** 1986 Sep;40(3):367–8
Reduction in toxicity of doxorubicin by liposomal entrapment [letter] Sells RA, et al. **Lancet** 1987 Sep 12;2(8559):624–5
Treatment of invasive Aspergillus sinusitis with liposomal-amphotericin B. Weber RS, et al. **Laryngoscope** 1987 Aug;97(8 Pt 1):937–41
Liposomally-entrapped ATP: improved efficiency against experimental brain ischemia in the rat. Laham A, et al. **Life Sci** 1987 May 18;40(20):2011–6
Tumoricidal effects of liposomes containing phosphatidylinositol or phosphatidylcholine. Jett M, et al. **Methods Enzymol** 1987;141:459–66
Chromosomal aberrations induced in human cultured cells by liposome-encapsulated deoxyribonuclease I. Nuzzo F, et al. **Mutat Res** 1987 Mar;177(1):117–24
Basic approach to application of chemoimmunoliposomes for cancer therapy. Hashimoto Y, et al. **NCI Monogr** 1987; (3):89–94
Liposomes as carrier of methyl-GAG. Increased antitumor activity and reduced hypoglycemia in mice. Arndt D, et al. **Oncology** 1987;44(4):257–62
Liposomes in treatment of infectious diseases. Emmen F, et al. **Pharm Weekbl [Sci]** 1987 Jun 19;9(3):162–71 (83 ref.)
Liposomes. Ostro MJ. **Sci Am** 1987 Jan;256(1):102–11
Studies on liposome-encapsulated heparin. Kim TD, et al. **Thromb Res** 1986 Sep 15;43(6):603–12
The use of rifampicin and isoniazid entrapped in liposomes for the treatment of Murine tuberculosis. Orozco LC, et al. **Tubercle** 1986 Jun;67(2):91–7
Effectiveness of liposomes as potential carriers of vaccines: applications to cholera toxin and human malaria sporozoite antigen. Alving CR, et al. **Vaccine** 1986 Sep;4(3):166–72
[Induction of tumoricidal properties in human monocytes by synergism between interferon-gamma and liposome-entrapped muramyl tripeptide] Utsugi T, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(11):3161–8 (Eng. Abstr.) **(Jpn)**
[Cytotoxic activity of monoclonal antibody (KOR-N34).liposome.adriamycin conjugates to cultured lymphoid cell lines] Nishino K, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Jun 20;21(5):1016–25 (Eng. Abstr.) **(Jpn)**
[Enhancement of antitumor effect by bleomycin encapsulated in liposome: in vivo study] Hasegawa S, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Dec;96(14):1619–25 **(Jpn)**
[Treatment of SSPE (subacute sclerosing panencephalitis): selective killing of SSPE virus infected cells] Okada Y. **Rinsho Shinkeigaku** 1986 Dec;26(12):1277–82 (Eng. Abstr.) **(Jpn)**
[Liposomes as drug vehicles in the treatment of neoplasms] Jamrozik-Kruk Z, et al. **Pol Tyg Lek** 1987 Apr 13; 42(15):427–30 **(Pol)**
[Use of the liposomal forms of a terrilytin preparation for the lysis of experimental thrombi] Andreev SV, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):40–3 (Eng. Abstr.) **(Rus)**
[Possibility of the unification of directed drug transport as illustrated by liposome transport to target antigens] Trubetskoi VS, et al. **Biull Eksp Biol Med** 1986 Sep; 102(9):305–7 (Eng. Abstr.) **(Rus)**
[Characteristics of the hypoxic state after administration of liposomes] Bryginskii SA, et al. **Dokl Akad Nauk SSSR** 1986;291(4):1022–4 **(Rus)**
[Prospects for the practical use of liposomes] Oksinoid OE, et al. **Gematol Transfuziol** 1987 Jun;32(6):54–8 (29 ref.) **(Rus)**
[Secondary splenomegaly in cholestasis and disorders of portal blood flow in an experiment detectable by intravenous liposome splenography] Bekmuratov EB, et al. **Med Radiol (Mosk)** 1987 Mar;32(3):74–7 (Eng. Abstr.) **(Rus)**
[Protective action of virosomes containing influenza virus antigens administered intranasally] Andzhaparidze OG, et al. **Vopr Virusol** 1987 Jan–Feb;32(1):112–4 **(Rus)**

ANALYSIS

Serum decreases permeability of some compounds from liposomes. Kurantsin-Mills J, et al. **Biotechnol Appl Biochem** 1986 Feb;8(1):69–74
Effect of surface modification of liposomes with sialoglycopeptide on their clearance from the circulation. Haga M, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul; 34(7):2979–88
Effect of saccharides on the freezing and thawing of liposome dispersion. Miyajima K, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):2689–97
Effect of cholesterol on liposome stability to ultrasonic disintegration and sodium cholate solubilization. Yotsuyanagi T, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar; 35(3):1228–33
Preservation of dry liposomes does not require retention of residual water. Crowe JH, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1537–40
[The use of the cationic detergent dodecyltrimethylammonium bromide for the isolation of influenza virus glycoproteins with subsequent integration of the protein into liposome membrane] Glushakova SE, et al. **Mol Gen Mikrobiol Virusol** 1985 Apr;(4):39–44 (Eng. Abstr.) **(Rus)**
[Effectiveness of incorporation of spermine-condensed viral DNA into liposomes. Interaction of liposomes with cells] Kislina OS, et al. **Mol Gen Mikrobiol Virusol** 1985 Feb; (2):17–21 (Eng. Abstr.) **(Rus)**
[Interaction of the glycoprotein from the Bacillus pumilis cell wall with liposomes] Karamushka VI, et al. **Ukr Biokhim Zh** 1987 Jan–Feb;59(1):70–5 (Eng. Abstr.) **(Rus)**
[Study of conditions of association of liposomes modified by Ca2+-ATPase in the organic phase-water system] Preobrazhenskaia TD, et al. **Ukr Biokhim Zh** 1987 Jan–Feb; 59(1):66–70 (Eng. Abstr.) **(Rus)**
[Characterization of liposomes by the light dispersion method] Hernández Borrel J, et al. **Farmaco [Prat]** 1987 May;42(5):139–48 (Eng. Abstr.) **(Spa)**

BLOOD

Effect of phospholipid structure on stability and survival times of liposomes in circulation. Agarwal K, et al. **Biochim Biophys Acta** 1986 Oct 1;883(3):468–75
In vivo behavior of polymerized lipid vesicles. Krause HJ, et al. **J Pharm Sci** 1987 Jan;76(1):1–5

CHEMICAL SYNTHESIS

Preparation of liposomes via detergent removal from mixed micelles by dilution. The effect of bilayer composition and process parameters on liposome characteristics. Jiskoot W, et al. **Pharm Weekbl [Sci]** 1986 Oct 17;8(5):259–65

DIAGNOSTIC USE

Synovial accumulation of technetium labelled liposomes in rheumatoid arthritis. Williams BD, et al. **Ann Rheum Dis** 1987 Apr;46(4):314–8
Freeze-fracture characterization of proteolipid protein and basic protein of central nervous system myelin incorporated in liposomes. Garcia-Segura LM, et al. **Brain Res** 1986 Aug 20;380(2):261–6
Liposomes containing paramagnetic macromolecules as MRI contrast agents. Navon G, et al. **Magn Reson Med** 1986 Dec;3(6):876–80
[Various aspects of the use of liposomes in the diagnosis, prophylaxis and treatment of infectious diseases] Zakrevskii VI. **Mol Gen Mikrobiol Virusol** 1985 Jan;(1):3–9 (65 ref.)

(Eng. Abstr.) (Rus)

IMMUNOLOGY

Liposome encapsulated subunit (VP1) and virion vaccines against foot-and-mouth disease. Vasantha S, et al. **Acta Virol (Praha)** 1987 Mar;31(2):109–15

A non-covalent method of attaching antibodies to liposomes. Loughrey H, et al. **Biochim Biophys Acta** 1987 Jul 10; 901(1):157–60

The association of the rabies glycoprotein with liposome (immunosome) induces an in vitro specific release of interleukin 2. Oth D, et al. **Cell Immunol** 1987 Aug; 108(1):220–6

The effect of surface-coupled antigen of liposomes in immunopotentiation. Latif NA, et al. **Immunol Lett** 1987 May;15(1):45–51

Immunomodulation with liposomes: the immune response elicited by liposomes with entrapped dichloromethylene-diphosphonate and surface-associated antigen or hapten. Claassen E, et al. **Immunology** 1987 Apr; 60(4):509–15

Liposomes as adjuvants with immunopurified tetanus toxoid: influence of liposomal characteristics. Davis D, et al. **Immunology** 1987 Jun;61(2):229–34

Phosphatidylcholine liposomes as effective adjuvant for vaccination of mice against Plasmodium yoelii. Vinayak VK, et al. **Indian J Med Res** 1986 Jul;84:32–8

Inhibition of herpes simplex virus replication in the mouse cornea by drug containing immunoliposomes. Norley SG, et al. **Invest Ophthalmol Vis Sci** 1987 Mar;28(3):591–5

Adjuvant effects of nonionic block polymer surfactants on liposome-induced humoral immune response. Zigterman GJ, et al. **J Immunol** 1987 Jan 1;138(1):220–5

Vaccination against experimental hepatic amoebic infection—an evaluation of phosphatidylcholine liposomes as immunopotentiator. Purnima, et al. **J Parasitol** 1987 Aug; 73(4):859–60

Generation of targets for alloreactive CTL using purified H-2Kk in liposomes and polyethylene glycol. Reed ML, et al. **Mol Immunol** 1986 Dec;23(12):1339–47

Liposomes as immunological adjuvants: antigen incorporation studies. Gregoriadis G, et al. **Vaccine** 1987 Jun;5(2):145–51

[Liposomes as carriers of polyfunctional immunogens] Kashkin KP, et al. **Ukr Biokhim Zh** 1987 Jul–Aug; 59(4):100–7 (29 ref.) (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

Density-based separation of liposomes by glycerol gradient centrifugation. Goormaghtigh E, et al. **Anal Biochem** 1986 Nov 15;159(1):122–31

Preparation and characterization of unilamellar vesicles from cholate-phospholipid micelle treated with cholestyramine. Ventimiglia JB, et al. **Anal Biochem** 1986 Sep;157(2):323–30

Ultracentrifugal isolation of vesicular carriers of biliary cholesterol in native human and rat bile. Ulloa N, et al. **Hepatology** 1987 Mar–Apr;7(2):235–44

METABOLISM

Quinone formation from carcinogenic benzo[a]pyrene mediated by lipid peroxidation in phosphatidylcholine liposomes. Terao J, et al. **Arch Biochem Biophys** 1987 May 1;254(2):472–81

The action of sphingomyelinase from Bacillus cereus on ATP-depleted bovine erythrocyte membranes and different lipid composition of liposomes. Tomita M, et al. **Arch Biochem Biophys** 1987 May 15;255(1):127–35

Trypsin induced destabilization of liposomes composed of dioleoylphosphatidylethanolamine and glycophorin. Hu LR, et al. **Biochem Biophys Res Commun** 1986 Dec 30; 141(3):973–8

Lectin interactions with the variant surface glycoprotein from Trypanosoma brucei brucei incorporated into liposomes. Schmitz B, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1274–8

Effect of liposomal phospholipid composition on cholesterol transfer between microsomal and liposomal vesicles. Bhuvaneswaran C, et al. **Biochem J** 1986 Sep 15; 238(3):647–52

The influence of poly(ethylene glycol) 6000 on spermine-induced aggregation of liposomes. Tadolini B, et al. **Biochem J** 1986 Jun 15;236(3):651–5

Membrane structural/functional perturbations induced by gossypol. Effects on membrane order, liposome permeability, and insulin-sensitive hexose transport. de Peyster A, et al. **Biochem Pharmacol** 1986 Oct 1; 35(19):3293–300

Binding of propranolol and gentamicin to small unilamellar phospholipid vesicles. Contribution of ionic and hydrophobic forces. Kubo M, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3761–5

Partition of malathion in synthetic and native membranes. Antunes-Madeira MC, et al. **Biochim Biophys Acta** 1987 Jul 10;901(1):61–6

Aminoglycoside antibiotics preferentially increase permeability in phosphoinositide-containing membranes: a study with carboxyfluorescein in liposomes. Au S, et al. **Biochim Biophys Acta** 1987 Aug 7;902(1):80–6

Liposomes and tear fluid. I. Release of vesicle-entrapped carboxyfluorescein. Barber RF, et al. **Biochim Biophys Acta** 1986 Nov 14;879(2):157–63

Preparation and characterisation of liposomes containing mannosylated phospholipids capable of targetting drugs to macrophages. Barratt G, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):153–64

Interactions of polymerizable phosphatidylcholine vesicles with blood components: relevance to biocompatibility. Bonté F, et al. **Biochim Biophys Acta** 1987 Jun 12;900(1):1–9

Perturbation of phospholipid bilayers by DDT. Chefurka W, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):181–6

Proton/hydroxide conductance through phospholipid bilayer membranes: effects of phytanic acid. Gutknecht J. **Biochim Biophys Acta** 1987 Apr 9;898(2):97–108

Rapid incorporation of the solubilized dihydropyridine receptor into phospholipid vesicles. Horne WA, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):205–12

Single mutation in the A domain of diphtheria toxin results in a protein with altered membrane insertion behavior. Hu VW, et al. **Biochim Biophys Acta** 1987 Aug 7;902(1):24–30

Uptake of small liposomes by non-reticuloendothelial tissues. Hwang KJ, et al. **Biochim Biophys Acta** 1987 Jul 10; 901(1):88–96

Clearance and tissue distribution of functionalized polymeric liposomes from the blood stream of rats. Matsushita Y, et al. **Biochim Biophys Acta** 1987 Jul 10;901(1):166–71

The interaction of vitamin K1 with phospholipid vesicles. Ortiz A, et al. **Biochim Biophys Acta** 1986 Dec 16; 863(2):185–92

Characterization of (Na+ + K+)-ATPase-liposomes. III. Controlled activation and inhibition of symmetric pumps by timed asymmetric ATP, RbCl, and cardiac glycoside addition. Rey HG, et al. **Biochim Biophys Acta** 1987 Jun 12;900(1):27–37

Incorporation of highly purified melittin into phosphatidylcholine bilayer vesicles. Schulze J, et al. **Biochim Biophys Acta** 1987 Jul 10;901(1):101–11

Calcium binding protein from porcine intestine binds to phosphatidylserine vesicles in the presence of calcium. Shadle PJ, et al. **Biochim Biophys Acta** 1987 Mar 12; 897(3):502–6

Transport of Fe2+ across lipid bilayers: possible role of free fatty acids. Simpson RJ, et al. **Biochim Biophys Acta** 1987 Apr 9;898(2):187–95

Dielectric properties of adsorption/ionization site of pentachlorophenol in lipid membranes. Smejtek P, et al. **Biochim Biophys Acta** 1987 Aug 7;902(1):109–27

Intrahepatic distribution of small unilamellar liposomes as a function of liposomal lipid composition. Spanjer HH, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):224–30

On the mechanism of channel-length dependence of gramicidin single-channel conductance. Urry DW, et al. **Biochim Biophys Acta** 1987 Aug 7;902(1):137–44

Stabilization effect of tocopherol and catalase on the life-time of liposome-embedded heme as an oxygen carrier. Yuasa M, et al. **Biochim Biophys Acta** 1987 Jun 12;900(1):160–2

Specific incorporation of asialofetuin-labeled liposomes into hepatocytes through the action of galactose-binding protein. Hara T, et al. **Biopharm Drug Dispos** 1987 Jul–Aug; 8(4):327–39

Preparation and disposition of asialofetuin-labelled liposome. Tsuchiya S, et al. **Biopharm Drug Dispos** 1986 Nov–Dec; 7(6):549–58

A method for estimating lateral diffusion coefficients in membranes from steady-state fluorescence quenching studies. Blackwell MF, et al. **Biophys J** 1987 May; 51(5):735–44

Effect of sodium arsenite on liposomes and erythrocyte membranes. Zolese G, et al. **Boll Soc Ital Biol Sper** 1986 Oct 30;62(10):1177–83

Effect of vesicle size on the clearance, distribution, and tumor uptake of temperature-sensitive liposomes. Magin RL, et al. **Cancer Drug Deliv** 1986 Fall;3(4):223–37

Studies on the uptake mechanism of liposomes by perfused rat liver. II. An indispensable factor for liver uptake in serum. Kiwada H, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar;35(3):1189–95

Effects of dose and vesicle size on the pharmacokinetics of liposomes. Sato Y, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4244–52

Fate and behavior of liposomes in vivo: a review of controlling factors. Senior JH. **Crit Rev Ther Drug Carrier Syst** 1987;3(2):123–93 (444 ref.)

A 50-kDa fragment from the NH2-terminus of the heavy subunit of Clostridium botulinum type A neurotoxin forms channels in lipid vesicles. Shone CC, et al. **Eur J Biochem** 1987 Aug 17;167(1):175–80

Fluorescent probe studies on binding of glyceraldehyde-3-phosphate dehydrogenase to phosphatidylinositol liposomes. Further evidence for conformational changes. Michalak K, et al. **FEBS Lett** 1987 Jul 13;219(1):233–8

The influence of coupling transferrin to liposomes or minibeads on its uptake and fate in leukemic L2C cells. Vidal M, et al. **FEBS Lett** 1987 May 25;216(1):159–63

Iron binding to microsomes and liposomes in relation to lipid peroxidation. Vile GF, et al. **FEBS Lett** 1987 May 4; 215(1):151–4

Liposome-interaction induced conformation changes of glyceraldehyde-3-phosphate dehydrogenase. Gutowicz J, et al. **Gen Physiol Biophys** 1986 Jun;5(3):297–306

Interaction of phosphoglycerate kinase with phosphatidylserine liposomes. Sidorowicz A, et al. **Gen Physiol Biophys** 1986 Jun;5(3):307–13

Properties of multilamellar liposomes containing 99mTcO4-: effect of distearoylphosphatidylcholine to sphingomyelin ratio. Zalutsky MR, et al. **Int J Rad Appl Instrum [B]** 1986; 13(3):269–76

Effect of size and lipid composition on the pharmacokinetics of intravitreal liposomes. Barza M, et al. **Invest Ophthalmol Vis Sci** 1987 May;28(5):893–900

Clearance and localization of intravitreal liposomes in the aphakic vitrectomized eye. Stern WH, et al. **Invest Ophthalmol Vis Sci** 1987 May;28(5):907–11

Cytochrome c peroxidase activity of bovine heart cytochrome oxidase incorporated in liposomes and generation of membrane potential. Miki T, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):735–45

Reconstitution of ATP-dependent calcium transport from streptococci. Ambudkar SV, et al. **J Biol Chem** 1986 Nov 25;261(33):15596–600

Reconstitution of monomeric cytochrome c oxidase into phospholipid vesicles yields functionally interacting cytochrome aa3 units. Antonini G, et al. **J Biol Chem** 1987 Jul 25;262(21):10077–9

Reconstitution of the two terminal enzymes of the heme biosynthetic pathway into phospholipid vesicles. Ferreira GC, et al. **J Biol Chem** 1987 Mar 25;262(9):4407–12

Reconstitution of rabbit thrombomodulin into phospholipid vesicles. Galvin JB, et al. **J Biol Chem** 1987 Feb 15; 262(5):2199–205

Lipid asymmetry induced by transmembrane pH gradients in large unilamellar vesicles. Hope MJ, et al. **J Biol Chem** 1987 Mar 25;262(9):4360–6

Reconstitution of Saccharomyces cerevisiae phosphatidylserine synthase into phospholipid vesicles. Modulation of activity by phospholipids. Hromy JM, et al. **J Biol Chem** 1986 Nov 25;261(33):15572–6

Interaction of the alpha-toxin of Staphylococcus aureus with the liposome membrane. Ikigai H, et al. **J Biol Chem** 1987 Feb 15;262(5):2150–5

Assembly of the alpha-toxin-hexamer of Staphylococcus aureus in the liposome membrane. Ikigai H, et al. **J Biol Chem** 1987 Feb 15;262(5):2156–60

Interaction between liposomes and sarcotoxin IA, a potent antibacterial protein of Sarcophaga peregrina (flesh fly). Nakajima Y, et al. **J Biol Chem** 1987 Feb 5;262(4):1665–9

Surfactant apoprotein Mr = 26,000–36,000 enhances uptake of liposomes by type II cells. Wright JR, et al. **J Biol Chem** 1987 Feb 25;262(6):2888–94

Two different phosphorylation-dephosphorylation cycles of Na,K-ATPase proteoliposomes accompanying Na+ transport in the absence of K+. Yoda A, et al. **J Biol Chem** 1987 Jan 5;262(1):110–5

Phosphorylated intermediates of Na,K-ATPase proteoliposomes controlled by bilayer cholesterol. Interaction with cardiac steroid. Yoda S, et al. **J Biol Chem** 1987 Jan 5;262(1):103–9

Functional cholesteryl binding agents: synthesis, characterization, and evaluation of antibody binding to modified phospholipid vesicles. Carroll TR, et al. **J Med Chem** 1986 Oct;29(10):1821–6

Phospholipase C and the physical states of polar head groups of lipids. Kimura Y. **J Membr Biol** 1987;96(2):187–91

Targeting of liposomes to cells bearing nerve growth factor receptors mediated by biotinylated nerve growth factor. Rosenberg MB, et al. **J Neurochem** 1987 Mar;48(3):865–75

A gamma scintigraphic evaluation of the precorneal residence of liposomal formulations in the rabbit. Fitzgerald P, et al. **J Pharm Pharmacol** 1987 Jun;39(6):487–90

A thermodynamic approach to hormone-receptor interaction; application to insulin binding to adipocytes, adipocyte plasma membranes and liposomes incorporating adipocyte insulin receptors. Jones MN, et al. **J Recept Res** 1986;6(5–6):361–80

Reconstitution of solubilized serotonin-S2 receptors into phospholipid vesicles. Wouters W, et al. **J Recept Res** 1986; 6(3–4):271–82

Reconstitution of a phospholipid flippase from rat liver microsomes. Backer JM, et al. **Nature** 1987 May 28–Jun 3;327(6120):341–3

Reconstitution of solubilized atrial cholinergic muscarinic receptors in liposomes. Aguilar JS, et al. **Neurochem Res** 1987 Jan;12(1):83–91

Kinetic evidences of enhancing interaction of small liposomes with hepatic parenchymal cells mediated by large liposomes blockade. Hwang KJ, et al. **Res Commun Chem Pathol Pharmacol** 1986 Dec; 54(3):417–20

[Effect of the lipid composition of liposomes on their clearance from the circulation and accumulation in the liver of mice] Burkhanov SA, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):299–301 (Eng. Abstr.) (Rus)

[The interaction of alpha-tocopherol with phospholipid liposomes: the absence of transbilayer mobility] Tiurin VA, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):689–92 (Eng. Abstr.) (Rus)

[Determination of blood lecithin cholesterol acyltransferase activity by using liposomes as the substrate] Fortinskaia ES, et al. **Lab Delo** 1986;(7):423–6 (Eng. Abstr.) (Rus)

[Transmembrane lipid transport between lecithin liposomes and neuroblastoma C1300 N18 cells] Gulaia NM, et al. **Ukr Biokhim Zh** 1987 Jul–Aug;59(4):64–9 (Eng. Abstr.) (Rus)

[Study of channel-forming properties of latrotoxin in liposomes] Trikash IO, et al. **Ukr Biokhim Zh** 1986

Nov-Dec;58(6):50-7 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Effects on the murine mononuclear phagocyte system of chronic administration of liposomes containing cytotoxic drug or lipid A compared with empty liposomes. Allen TM, et al. **Can J Physiol Pharmacol** 1987 Feb;65(2):185-90

Liposomes as adjuvants with immunopurified tetanus toxoid: the immune response. Davis D, et al. **Immunol Lett** 1987 Apr;14(4):341-8

Phospholipid liposomes acquire apolipoprotein E in atherogenic plasma and block cholesterol loading of cultured macrophages. Williams KJ, et al. **J Clin Invest** 1987 May;79(5):1466-72

Significant enhanced superoxide anion (O2-) production in vitro by peripheral blood monocytes of lepromatous leprosy patients stimulated with liposome and suppression by C-reactive protein (CRP). Hokama Y, et al. **J Med Clin Exp Theor** 1986;17(5-6):299-311

Trypanocidal activity of the stearylamine-bearing liposome in vitro. Yoshihara E, et al. **Life Sci** 1987 Jun 1; 40(22):2153-9

PHYSIOLOGY

A differential scanning calorimetry study of the interaction of alpha-tocopherol with mixtures of phospholipids. Ortiz A, et al. **Biochim Biophys Acta** 1987 Apr 9;898(2):214-22

Solubilisation and reconstitution of the rabbit skeletal muscle sarcoplasmic reticulum K + channel into liposomes suitable for patch clamp studies. Tomlins B, et al. **Pflugers Arch** 1986 Sep;407(3):341-7

RADIATION EFFECTS

Effects of membrane stabilizing agents and radiation on liposomal membranes. Nakazawa T, et al. **Drugs Exp Clin Res** 1986;12(9-10):831-5

Studies of structural modifications induced by gamma-irradiation in distearoylphosphatidylcholine liposomes. Albertini G, et al. **Int J Radiat Biol** 1987 Jul; 52(1):145-56

Radiation-induced lipid peroxidation: influence of oxygen concentration and membrane lipid composition. Wolters H, et al. **Int J Radiat Biol** 1987 Apr;51(4):619-28

Ultrasonic radiation induced lipid peroxidation in liposomal membrane. Kumar Jana A, et al. **Radiat Environ Biophys** 1986;25(4):309-14

[Theoretical estimation of the effect of magnetic fields on liposome formation] Shalygin AN, et al. **Biofizika** 1987 Mar-Apr;32(2):344-5 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

[Liposomes—perspectives and possible applications in medicine] Szulc J, et al. **Pol Tyg Lek** 1986 Aug 11; 41(32):1017-21 (Pol)

TOXICITY

Toxicity of non-drug-containing liposomes for cultured human cells. Mayhew E, et al. **Exp Cell Res** 1987 Jul; 171(1):195-202

LIPOTROPIC FACTORS

PHARMACODYNAMICS

Complexing of lipophilic cations and different anions as a possible cause of overestimating the transmembrane potential delta psi as measured by ion-sensitive electrodes. Schild L, et al. **Biomed Biochim Acta** 1986;45(10):1215-25

LIPOTROPIN

ANALYSIS

Use of immobilized exopeptidases and volatile buffers for analysis of peptides by fast atom bombardment mass spectrometry. Wagner RM, et al. **Biomed Environ Mass Spectrom** 1987 May;14(5):235-9

Prostaglandin-induced mid-pregnancy abortion increases plasma and amniotic fluid levels of beta-lipotropin and beta-endorphin. Genazzani AR, et al. **Gynecol Obstet Invest** 1987;24(1):23-7

Beta-endorphin and beta-lipotrophin in human ovary. Laatikainen T, et al. **Neuropeptides** 1986 Oct;8(3):251-8

Cerebral distribution of beta-lipotropin and beta-endorphin in infantile progressive spinal muscular atrophy of Werdnig and Hoffman disease. Pasi A, et al. **Res Commun Chem Pathol Pharmacol** 1987 Jun;56(3):401-8

[Beta-lipotropin, beta-endorphin in myocardial lesions] Efimova LV. **Kardiologiia** 1986 Sep;26(9):109-11 (Rus)

BLOOD

Opioid plasma levels: a marker of impaired central control in psychiatric disorders? Brambilla F, et al. **Adv Biochem Psychopharmacol** 1987;43:211-20

ACTH, beta-endorphin, beta-lipotropin and cortisol response to an agonistic athletic performance is related to the energetic characteristics and to the duration of the competition. Barletta C, et al. **Boll Soc Ital Biol Sper** 1987 Jan 31;63(1):75-80

Study of serum lipids and lipoproteins of healthy subjects in Shanghai. Zhuang HZ, et al. **Chin Med J [Engl]** 1986 Aug;99(8):657-9

Somatostatin and oxytocin infusion inhibits the rise of plasma beta-endorphin, beta-lipotrophin and cortisol induced by insulin hypoglycaemia. Petraglia F, et al. **Clin Endocrinol (Oxf)** 1986 Jun;24(6):609-16

Plasma beta-endorphin and beta-lipotropin in patients with Parkinson's disease. Franceschi M, et al. **Clin Neuropharmacol** 1986;9(6):549-55

Diurnal rhythms of proopiomelanocortin-derived N-terminal peptide, beta-lipotropin, beta-endorphin and adrenocorticotropin in normal subjects and in patients with Addison's disease and Cushing's disease. Sekiya K, et al. **Endocrinol Jpn** 1986 Oct;33(5):713-9

A comparison of two types of anaesthesia on the endocrine and metabolic responses to anaesthesia and surgery. Seitz W, et al. **Eur J Anaesthesiol** 1986 Jul;3(4):283-94

Plasma beta-endorphin, beta-lipotropin and corticotropin in polycystic ovarian disease. Laatikainen T, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Apr;24(4):327-33

Exercise- and cold-induced changes in plasma beta-endorphin and beta-lipotropin in men and women. Viswanathan M, et al. **J Appl Physiol** 1987 Feb;62(2):622-7

Circulating opioids and plasma renin activity in insulin-dependent diabetics with renal haemodynamic alterations. Solerte SB, et al. **Nephron** 1987;46(2):194-8

Effect of massage on serum level of beta-endorphin and beta-lipotropin in healthy adults. Day JA, et al. **Phys Ther** 1987 Jun;67(6):926-30

Effect of electroimmobilisation on ovine plasma concentrations of beta-endorphin/beta-lipotrophin, cortisol and prolactin. Jephcott EH, et al. **Res Vet Sci** 1986 Nov;41(3):371-7

METABOLISM

Thymopoietin and thymopentin enhance the levels of ACTH, beta-endorphin and beta-lipotropin from rat pituitary cells in vitro. Malaise MG, et al. **Acta Endocrinol (Copenh)** 1987 Aug;115(4):455-60

Proopiomelanocortin-related peptides and methionine enkephalin in human follicular fluid: changes during the menstrual cycle. Petraglia F, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):142-6

Reduction of beta-endorphin levels in the amniotic fluid of heroin addicts. Volpe A, et al. **Obstet Gynecol** 1986 Nov; 68(5):606-9

SECRETION

Ritanserin, a serotonin-S2 receptor antagonist, does not prevent 5-hydroxytryptophan-induced beta-EP, beta-LPH and cortisol secretion. Facchinetti F, et al. **Horm Res** 1987;27(1):42-6

Beta-endorphin/beta-lipotropin release and gonadotropin secretion after acute exercise in normal males. Elias AN, et al. **J Appl Physiol** 1986 Dec;61(6):2045-9

Chronic stimulation of anterior pituitary cell cultures with CRF leads to the secretion of lipotropin. Ham J, et al. **Neuroendocrinology** 1986;44(4):433-8

LIPOXYGENASES

ANALYSIS

Effect of particle size of activated charcoal on separation of Triton X-100 from protein, liver cytosol, and lipoxygenase extracts. Marcus L, et al. **Anal Biochem** 1987 May 15;163(1):112-6

Primary structure of soybean lipoxygenase-1. Shibata D, et al. **J Biol Chem** 1987 Jul 25;262(21):10080-5

Diacylglycerols interfere in normal phase HPLC analysis of lipoxygenase products of docosahexaenoic or arachidonic acids. Claeys M, et al. **Prostaglandins** 1986 Dec; 32(6):813-27

ANTAGONISTS & INHIBITORS

Pharmacologic characterization of the antiinflammatory properties of a new dual inhibitor of lipoxygenase and cyclooxygenase. DiMartino MJ, et al. **Agents Actions** 1987 Feb;20(1-2):113-23

How specific is the arachidonic acid-induced mouse ear oedema for lipoxygenase (LO)- and cyclooxygenase (CO)-inhibitors? Pignat W, et al. **Agents Actions** 1986 Dec; 19(5-6):368-70

Effect of cycloxygenase and lipoxygenase inhibitors on the chemiluminescence response of human neutrophils. Falck P, et al. **Allerg Immunol (Leipz)** 1987;33(1):45-52

Effect of AA-861, a 5-lipoxygenase inhibitor, on leukotriene synthesis in human polymorphonuclear leukocytes and on cyclooxygenase and 12-lipoxygenase activities in human platelets. Mita H, et al. **Allergy** 1986 Sep;41(7):493-8

Reduction of lipoxygenase products in psoriatic skin homogenates by QA 208-199. Schnyder J, et al. **Arch Dermatol Res** 1986;278(6):494-6

Treatment of experimental granulomatous uveitis by lipoxygenase and cyclo-oxygenase inhibitors. Rao NA, et al. **Arch Ophthalmol** 1987 Mar;105(3):413-5

A comparative study on the effects of inhibitors of the lipoxygenase pathway on neutrophil function. Inhibitory effects on neutrophil function may not be attributed to inhibition of the lipoxygenase pathway. Ozaki Y, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3481-8

Pure enzymes in a test hierarchy for antibronchoconstrictory lipoxygenase inhibitors. Slapke J, et al. **Biomed Biochim Acta** 1986;45(10):1267-75

Inhibition of 12-O-tetradecanoylphorbol-13-acetate-mediated epidermal ornithine decarboxylase induction and skin tumor promotion by new lipoxygenase inhibitors lacking protein kinase C inhibitory effects. Aizu E, et al. **Carcinogenesis** 1986 Nov;7(11):1809-12

Inhibition of 5-lipoxygenase pathway of arachidonic acid metabolism in human neutrophils by sulfasalazine and 5-aminosalicylic acid. Nielsen OH, et al. **Dig Dis Sci** 1987 Jun;32(6):577-82

Modulation of guanylate cyclase by lipoxygenase inhibitors. Clark DL, et al. **Hypertension** 1986 Oct;8(10):947-50

Reversible inhibition of lymphokine-activated killer cell activity by lipoxygenase-pathway inhibitors. Sibbitt WL Jr, et al. **Int J Cancer** 1986 Oct 15;38(4):517-21

Lipoxygenase and cyclooxygenase blockade by BW 755C enhances pulmonary hypoxic vasoconstriction. Garrett RC, et al. **J Appl Physiol** 1987 Jan;62(1):129-33

Lipoxygenase pathway inhibition impairs the allograft response. Jordan ML, et al. **Surgery** 1987 Aug; 102(2):248-55

[The effect of benzydamine on the generation and interaction of reactive oxygen species and cyclo- and lipoxygenase] Müller-Peddinghaus R, et al. **Arzneimittelforschung** 1987 May;37(5A):601-5 (Eng. Abstr.) (Ger)

[Simultaneous and sequential inhibition of the arachidonic acid cascade by inhibitors of phospholipase A2, cyclooxygenase and lipoxygenases in carrageenan edema and adjuvant arthritis in the rat] Bekemeier H, et al. **Pharmazie** 1986 Jun;41(6):406-8 (Eng. Abstr.) (Ger)

BLOOD

The role of platelet cyclooxygenase and lipoxygenase pathways in tumor cell induced platelet aggregation. Honn KV, et al. **Biochem Biophys Res Commun** 1987 May 29; 145(1):384-9

The occurrence of a lipoxygenase pathway in reticulocytes of various species. Kroschwald P, et al. **Biomed Biochim Acta** 1986;45(10):1237-47

Modelling the reaction mechanism of the reticulocyte lipoxygenase. Ludwig P, et al. **Biomed Biochim Acta** 1987; 46(2-3):S241-4

GENETICS

Cloning of reticulocyte lipoxygenase mRNA. Thiele BJ, et al. **Biomed Biochim Acta** 1987;46(2-3):S120-3

IMMUNOLOGY

Injury to endothelial cells by phagocytosing polymorphonuclear leukocytes and modulatory role of lipoxygenase products. Vandenbroucke-Grauls CM, et al. **Infect Immun** 1987 Jun;55(6):1447-54

METABOLISM

The importance of lipoxygenase products of arachidonic acid in allergen-induced late responses. Abraham WM. **Am Rev Respir Dis** 1987 Jun;135(6 Pt 2):S49-53

Determination of stereochemistry in the fatty acid hydroperoxide products of lipoxygenase catalysis. Andre JC, et al. **Anal Biochem** 1986 Nov 1;158(2):316-21

Analysis of the stereochemistry of lipoxygenase-derived hydroxypolyenoic fatty acids by means of chiral phase high-pressure liquid chromatography. Kühn H, et al. **Anal Biochem** 1987 Jan;160(1):24-34

A search for oxygen-centered free radicals in the lipoxygenase/linoleic acid system. Connor HD, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):614-21

Endothelial cell proliferation may be mediated via the production of endogenous lipoxygenase metabolites. Setty BN, et al. **Biochem Biophys Res Commun** 1987 Apr 14; 144(1):345-51

Arachidonic acid monooxygenase and lipoxygenase activities in polymorphonuclear leukocytes. Bednar M, et al. **Biochem Pharmacol** 1987 May 15;36(10):1741-7

Metabolism of 8,11,14,17-eicosatetraenoic acid by human platelet lipoxygenase and cyclooxygenase. Careaga MM, et al. **Biochim Biophys Acta** 1987 Jul 13;920(1):94-101

Hydroperoxide metabolism in trout gill tissue: effect of glutathione on lipoxygenase products generated from arachidonic acid and docosahexaenoic acid. German JB, et al. **Biochim Biophys Acta** 1986 Dec 5;879(3):378-87

Conversion of linoleic acid and arachidonic acid by skin epidermal lipoxygenases. Nugteren DH, et al. **Biochim Biophys Acta** 1987 Sep 4;921(1):135-41

Increase in the formation of leukotriene B4 and other lipoxygenase products in peritoneal macrophages of adrenalectomized rats. Vincent JE, et al. **Biochim Biophys Acta** 1986 Dec 5;879(3):350-4

Involvement of lipoxygenase products of arachidonic acid metabolism in bovine luteal function. Milvae RA, et al. **Biol Reprod** 1986 Dec;35(5):1210-5

PGH synthase and lipoxygenase generate superoxide in the presence of NADH or NADPH. Kukreja RC, et al. **Circ Res** 1986 Dec;59(6):612-9

Cyclo-oxygenase and lipoxygenase pathways in cynomolgus and rhesus monkey conjunctiva, anterior uvea and eyelids. Kulkarni PS, et al. **Curr Eye Res** 1987 Jun;6(6):801-8

Eicosanoids in psoriasis—15-HETE on the stage. Kragballe K, et al. **Dermatologica** 1987;174(5):209–13
Formation of lipoxin B by the pure reticulocyte lipoxygenase. Kühn H, et al. **FEBS Lett** 1986 Nov 24;208(2):248–52
Misunderstanding or misrepresentation? 'Reticulocyte lipoxygenase, ingensin, and ATP-dependent proteolysis'. Rapoport S. **FEBS Lett** 1987 May 4;215(1):193–6
Arachidonic acid metabolism in human granulosa cells: evidence for cyclooxygenase and lipoxygenase activity in vitro. Feldman E, et al. **Hum Reprod** 1986 Sep;1(6):353–6
Arachidonic acid and its lipoxygenase metabolites stimulate prolactin release in superfused pituitary cells. Kiesel L, et al. **Hum Reprod** 1987 May;2(4):281–5
Lipoxygenase isozymes in higher plants: biochemical properties and physiological role. Mack AJ, et al. **Isozymes Curr Top Biol Med Res** 1987;13:127–54
Eggs of the sea urchin, Strongylocentrotus purpuratus, contain a prominent (11R) and (12R) lipoxygenase activity. Hawkins DJ, et al. **J Biol Chem** 1987 Jun 5;262(16):7629–34
The nitric oxide complex of ferrous soybean lipoxygenase-1. Substrate, pH, and ethanol effects on the active-site iron. Nelson MJ. **J Biol Chem** 1987 Sep 5;262(25):12137–42
Altered lipoxygenase metabolites and leukocyte involvement in an acute occlusion-reperfusion model of canine myocardial infarction. Kuzuya T, et al. **Jpn Circ J** 1987 Apr;51(4):465–70
Lipoxygenase metabolites of arachidonic acid as second messengers for presynaptic inhibition of Aplysia sensory cells. Piomelli D, et al. **Nature** 1987 Jul 2–8;328(6125):38–43
Platelet-activating factor-induced vasoconstriction in rat isolated, perfused hearts: contribution of cyclo-oxygenase and lipoxygenase arachidonic acid metabolites. Stewart AG, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:163–72
Symposium on lipoxygenase products and polyunsaturated fatty acids. Limoges, October 1985. **Prostaglandins Leukotrienes Med** 1986 Aug; 23(2–3):105–320
Lipoxygenase metabolism of endogenous and exogenous arachidonate in leukocytes: GC–MS analyses of incubations in H2(18)O buffers. Brash AR, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2–3):149–54
Endothelium-dependent relaxation of canine basilar arteries. Part 1: Difference between acetylcholine- and A23187-induced relaxation and involvement of lipoxygenase metabolite(s). Kanamaru K, et al. **Stroke** 1987 Sep–Oct;18(5):932–7
Vascular lipoxygenase activity: synthesis of 15-hydroxyeicosatetraenoic acid from arachidonic acid by blood vessels and cultured vascular endothelial cells. Takayama H, et al. **Thromb Res** 1987 Mar 15;45(6):803–16
[The potential and significance of pharmacologic effects on leukotrienes and other lipoxygenase derivatives of arachidonic acid] Mayer M, et al. **Vnitr Lek** 1987 May; 33(5):502–7 (35 ref.) (Eng. Abstr.) **(Cze)**
[Nasal sinus polyposis: use with an eye toward therapy of a in vitro test to measure the lipoxygenase pathway] Sauvage JP, et al. **Rev Laryngol Otol Rhinol (Bord)** 1987; 108(3):205–8 (Eng. Abstr.) **(Fre)**
[Cholesterol esters as a substrate of animal lipoxygenases] Nekrasov AS, et al. **Dokl Akad Nauk SSSR** 1986; 290(3):755–8 **(Rus)**
[Changes in lipoxygenase activity in developing granulation tissue during aseptic wound healing in rats] Mamedov LA, et al. **Vopr Med Khim** 1986 Nov–Dec;32(6):82–3 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Endotoxin-induced changes in pulmonary hemodynamics and respiratory mechanics. Role of lipoxygenase and cyclooxygenase products. Ahmed T, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1149–57
Lipid mediators produced through the lipoxygenase pathway. Parker CW. **Annu Rev Immunol** 1987;5:65–84 (108 ref.)
Lack of specificity of melittin as a probe for insulin release mediated by endogenous phospholipase A2 or lipoxygenase. Metz SA. **Biochem Pharmacol** 1986 Oct 1; 35(19):3371–81
Renal microthrombosis following endotoxin infusion may be mediated by lipoxygenase products. Schaub RG, et al. **Circ Shock** 1987;21(4):261–70
Tumor-cell-induced platelet aggregation is a glycoprotein-dependent and lipoxygenase-associated process. Bastida E, et al. **Int J Cancer** 1987 Jun 15; 39(6):760–3
Eicosanoid regulation of oosporogenesis by Lagenidium giganteum. Kerwin JL, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2–3):173–8
Positional specificity of lipoxygenases and their suitability for testing potential drugs. Schewe T, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2–3):155–60
[The significance of eicosanoids in glomerular diseases] Stahl RA. **Klin Wochenschr** 1986 Sep 15;64(18):813–23 (Eng. Abstr.) **(Ger)**

LIPREADING

Word recognition versus sentence comprehension on a speechreading task. Dancer JE, et al. **Am Ann Deaf** 1987 Mar;132(1):43–5
Guessing and speechreading. Lyxell B, et al. **Br J Audiol** 1987 Feb;21(1):13–20
Quantifying the contribution of vision to speech perception in noise. MacLeod A, et al. **Br J Audiol** 1987 May; 21(2):131–41
The transmission of prosodic information via an electrotactile speechreading aid. Grant KW, et al. **Ear Hear** 1986 Oct; 7(5):328–35
Disruptive effects of auditory signal delay on speech perception with lipreading. Pandey PC, et al. **J Aud Res** 1986 Jan;26(1):27–41
Analytic study of the Tadoma method: language abilities of three deaf-blind subjects. Chomsky C. **J Speech Hear Res** 1986 Sep;29(3):332–47
Effects of consonantal context on vowel lipreading. Montgomery AA, et al. **J Speech Hear Res** 1987 Mar; 30(1):50–9

LIQUID PARAFFIN see **MINERAL OIL**

LISSAMINE GREEN DYES see under **AMMONIUM COMPOUNDS**

LISTERIA

ANALYSIS

Structural studies on lipoteichoic acids from four Listeria strains. Uchikawa K, et al. **J Bacteriol** 1986 Oct; 168(1):115–22

DRUG EFFECTS

[Evaluation of the activity of antibiotics against Listeria. Therapeutic perspectives] Reynaud AE, et al. **Pathol Biol (Paris)** 1986 Dec;34(10):1091–5 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Carriage of Listeria monocytogenes and related species in pregnant and non-pregnant women in Aberdeen, Scotland. Lamont RJ, et al. **J Infect** 1986 Sep;13(2):187–93
[First isolation of Listeria welshimeri in a human] Andre P, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Mar; 263(4):605–6 (Eng. Abstr.) **(Fre)**

PATHOGENICITY

Vaccination against Listeria infection in mice with a mutant strain of reduced virulence. Fensterbank R. **Ann Rech Vet** 1986;17(1):37–42
[Virulence of Listeria welshimeri] Kluge R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Sep; 262(3):403–11 (Eng. Abstr.) **(Ger)**

LISTERIA INFECTIONS

Listeria monocytogenes cerebritis, bacteremia, and cutaneous lesions complicating hairy cell leukemia. Salata RA, et al. **Am J Med** 1986 Dec;81(6):1068–72
A case of listeriosis in pregnancy with fetal survival. Solomon F, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Apr; 8(2):103–4
Brain abscess due to Listeria monocytogenes: case report and literature review. Dee RR, et al. **Rev Infect Dis** 1986 Nov–Dec;8(6):968–77 (68 ref.)
[Human listeriosis] Aubertin J, et al. **Ann Soc Belg Med Trop** 1987 Mar;67(1):7–15 (24 ref.) **(Fre)**
[Listeriosis and abortion. Presentation of a case] Guzmán Sánchez A, et al. **Ginecol Obstet Mex** 1986 Sep;54:247–9 (Eng. Abstr.) **(Spa)**
[Cerebral Listeria abscess] Cosín Ochaita J, et al. **Rev Clin Esp** 1986 Oct;179(5):256–8 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Listeria monocytogenes and the acquired immunodeficiency syndrome [letter] Mullin GE, et al. **Arch Intern Med** 1987 Jan;147(1):176
Corneal ulcer due to Listeria monocytogenes. Holland S, et al. **Cornea** 1987;6(2):144–6
MRI of Listeria rhombencephalitis. Just M, et al. **Neuroradiology** 1987;29(4):401–2
[Listeria monocytogenes as the cause of abortion in the 2d trimester] Kaspersen P, et al. **Ugeskr Laeger** 1987 Feb 16; 149(8):527–9 (Eng. Abstr.) **(Dan)**

DIAGNOSIS

Listeria monocytogenes infection and hairy cell leukemia [letter] Guerin JM, et al. **Am J Med** 1987 Jul;83(1):188
Perinatal listeriosis (early-onset): correlation of antenatal manifestations and neonatal outcome. Boucher M, et al. **Obstet Gynecol** 1986 Nov;68(5):593–7
Listeriosis: a cause of non-immune hydrops fetalis. Gembruch U, et al. **Prenat Diagn** 1987 May;7(4):277–82
Listeria rhombencephalitis mimicking tuberculous meningitis. Bach MC, et al. **Rev Infect Dis** 1987 Jan–Feb;9(1):130–3
[Listeria monocytogenes infection in children] Trang TT, et al. **Arch Fr Pediatr** 1987 Jun–Jul;44(6):449–51 (Eng. Abstr.) **(Fre)**
[Listeria rhomboencephalitis without meningeal involvement (letter)] Delacour JL, et al. **Presse Med** 1987 Apr 25; 16(15):735 **(Fre)**
[Acute chorioretinitis caused by Listeria monocytogenes] Huismans H. **Klin Monatsbl Augenheilkd** 1986 Jul; 189(1):48–50 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Lack of synergism of ampicillin and gentamicin in experimental listeriosis. Hof H, et al. **Infection** 1987 Jan–Feb;15(1):40–1

ETIOLOGY

Listeria monocytogenes arthritis in a renal transplant recipient [letter] Abadie SM, et al. **J Infect Dis** 1987 Aug; 156(2):413–4

FAMILIAL & GENETIC

Two related cases of listeriosis? [letter] Redding PJ, et al. **J Infect** 1986 Sep;13(2):203–4

IMMUNOLOGY

Immunotoxic effects of T-2 toxin on cell-mediated immunity to listeriosis in mice: comparison with cyclophosphamide. Corrier DE, et al. **Am J Vet Res** 1986 Sep;47(9):1956–60
Immunomodulatory effect of Listeria monocytogenes infection. I. Allotransplantation reaction in infected mice. Gościcka T, et al. **Arch Immunol Ther Exp (Warsz)** 1986; 34(5–6):471–8
Immunomodulatory effect of Listeria monocytogenes infection. III. Expression of Fc receptor and antibody-mediated cytotoxicity in infected mice. Gościcka T, et al. **Arch Immunol Ther Exp (Warsz)** 1986; 34(5–6):489–97
Immunomodulatory effect of Listeria monocytogenes infection. II. Natural cell cytotoxicity in infected mice. Gościcka T, et al. **Arch Immunol Ther Exp (Warsz)** 1986; 34(5–6):479–88
Transient immunologic defect in a case of Listeria rhombencephalitis. Goday A, et al. **Arch Neurol** 1987 Jun; 44(6):666–7
A significant role of the macrophage accumulation induced by MCF in the protection of mice against Listeria monocytogenes in vivo. Handa T, et al. **Cell Immunol** 1987 May;106(2):330–42
The in vitro bactericidal activity of peritoneal and spleen cells from Listeria-resistant and -susceptible mouse strains. Wood PR, et al. **Cell Immunol** 1986 Apr 15;99(1):160–9
The effect of SO2 on the clearance of Listeria monocytogenes from the lungs of emphysematous hamsters. Trimpe KL, et al. **Environ Res** 1986 Oct;41(1):351–6
Specific lysis of Listeria monocytogenes-infected macrophages by class II-restricted L3T4+ T cells. Kaufmann SH, et al. **Eur J Immunol** 1987 Feb;17(2):237–46
Transfer of enhanced resistance against Listeria monocytogenes induced with ribosomal RNA and the adjuvant dimethyldioctadecylammonium bromide. Antonissen AC, et al. **Immunol Lett** 1986 Nov 17;14(1):21–8
Dual regulation of anti-bacterial resistance and inflammatory neutrophil and macrophage accumulation by L3T4+ and Lyt 2+ Listeria-immune T cells. Czuprynski CJ, et al. **Immunology** 1987 Feb;60(2):287–93
Immune protective mechanisms during pregnancy. I. Cell-mediated immunity against Listeria monocytogenes in pregnant mice. Shinomiya N, et al. **Immunology** 1986 Nov;59(3):373–8
Recombinant murine interleukin-1 alpha enhancement of nonspecific antibacterial resistance. Czuprynski CJ, et al. **Infect Immun** 1987 Sep;55(9):2061–5
Analysis of macrophage bactericidal function in genetically resistant and susceptible mice by using the temperature-sensitive mutant of Listeria monocytogenes. Gervais F, et al. **Infect Immun** 1986 Nov;54(2):315–21
Gamma interferon-mediated increase in the number of Ia-bearing macrophages during infection with Listeria monocytogenes. Koga T, et al. **Infect Immun** 1987 Sep; 55(9):2300–3
Analysis of colony-stimulating factors and macrophage progenitor cells in mice immunized against Listeria monocytogenes by adoptive transfer. Wing EJ, et al. **Infect Immun** 1987 Aug;55(8):1843–7
Role of local immunosuppression in murine fetoplacental listeriosis. Redline RW, et al. **J Clin Invest** 1987 Apr; 79(4):1234–41
Indomethacin in vivo increases the sensitivity to Listeria infection in mice. A possible role for macrophage thromboxane A2 synthesis. Tripp CS, et al. **J Clin Invest** 1987 Feb;79(2):399–403
A T cell-independent mechanism of macrophage activation by interferon-gamma. Bancroft GJ, et al. **J Immunol** 1987 Aug 15;139(4):1104–7
Intracellular growth of Listeria monocytogenes as a prerequisite for in vivo induction of T cell-mediated immunity. Berche P, et al. **J Immunol** 1987 Apr 1; 138(7):2266–71
Antigen-specific Lyt-2+ cytolytic T lymphocytes from mice infected with the intracellular bacterium Listeria monocytogenes. De Libero G, et al. **J Immunol** 1986 Oct 15;137(8):2688–94
The effects of an anti-I-Ab antibody on murine host resistance to Listeria monocytogenes. Kurlander RJ, et al. **J Immunol** 1987 Apr 15;138(8):2679–86
Chronic zinc deficiency and listeriosis in rats: acquired cellular resistance and response to vaccination. Carlomagno

MA, et al. **Med Microbiol Immunol (Berl)** 1986; 175(5):271–80

Modulation of cell–mediated resistance to listeriosis in mice given T–2 toxin. Corrier DE, et al. **Toxicol Appl Pharmacol** 1987 Jul;89(3):323–31

Immunotoxic effects of T–2 mycotoxin on cell–mediated resistance to Listeria monocytogenes infection. Corrier DE, et al. **Vet Immunol Immunopathol** 1987 Jan;14(1):11–21

[Pregnancy and the status of the fetus and newborn infant of women with a positive complement fixation test with Listeria monocytogenes antigen] Podgurnik Fla. **Akush Ginekol (Mosk)** 1986 Aug;(8):42–4 **(Rus)**

METABOLISM

Oxidative and phagocytic functions of macrophages during infections induced in mice by Mycobacterium intracellulare and Listeria monocytogenes. Saito H, et al. **J Gen Microbiol** 1986 Apr;132 (Pt 4):1117–25

MICROBIOLOGY

Carriage of Listeria monocytogenes and related species in pregnant and non–pregnant women in Aberdeen, Scotland. Lamont RJ, et al. **J Infect** 1986 Sep;13(2):187–93

Listeria monocytogenes cholecystitis [letter] Gordon S, et al. **J Infect Dis** 1986 Nov;154(5):918–9

The evaluation of a phage–typing system for Listeria monocytogenes for use in epidemiological studies. McLauchlin J, et al. **J Med Microbiol** 1986 Dec; 22(4):357–65

[First isolation of Listeria welshimeri in a human] Andre P, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Mar; 263(4):605–6 (Eng. Abstr.) **(Fre)**

[Quantitative bacteriologic studies on experimentally infected laboratory animals. 3. Dynamics of germ counts in mice experimentally infected with Listeria monocytogenes] Selbitz HJ, et al. **Arch Exp Veterinarmed** 1986 Jul; 40(4):575–86 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Neonatal listeriosis: a report of seven cases. Lubani MM, et al. **Ann Trop Paediatr** 1987 Mar;7(1):42–6

Listeriosis: a cause of perinatal infection. Relier JP. **Clin Exp Obstet Gynecol** 1986;13(3–4):76–8 (7 ref.)

Aspects of the epidemiology of human Listeria monocytogenes infections in Britain 1967–1984; the use of serotyping and phage typing. McLauchlin J, et al. **J Med Microbiol** 1986 Dec;22(4):367–77

[Epidemiologic study of human listeriosis in France, 1984] Goulet V, et al. **Rev Epidemiol Sante Publique** 1986; 34(3):191–5 (Eng. Abstr.) **(Fre)**

[Listeriosis today] Seeliger HP. **Dtsch Med Wochenschr** 1987 Feb 27;112(9):359–61 **(Ger)**

[Frequent occurrence of listeriosis in the Magdeburg district 1985] Schuster G, et al. **Z Gesamte Hyg** 1987 May; 33(5):261–3 (Eng. Abstr.) **(Ger)**

[Septicemia caused by Listeria monocytogenes in the adult] Rello J, et al. **Med Clin (Barc)** 1987 Apr 11;88(14):537–40 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Perinatal listeriosis. A report of six cases. Khong TY, et al. **Br J Obstet Gynaecol** 1986 Oct;93(10):1083–7

Epidemic perinatal listeriosis at autopsy. Klatt EC, et al. **Hum Pathol** 1986 Dec;17(12):1278–81

PHYSIOPATHOLOGY

Stimulation of the mouse monocytes by Listeria monocytogenes. Długońska H. **Arch Immunol Ther Exp (Warsz)** 1986;34(1):65–72

PREVENTION & CONTROL

Vaccination against Listeria infection in mice with a mutant strain of reduced virulence. Fensterbank R. **Ann Rech Vet** 1986;17(1):37–42

Toxicity and induction of resistance to Listeria monocytogenes infection by amphotericin B in inbred strains of mice. Brajtburg J, et al. **Infect Immun** 1986 Nov; 54(2):303–7

RADIOGRAPHY

CT features of early Listeria monocytogenes cerebritis. Haykal H, et al. **AJNR** 1987 Mar–Apr;8(2):279–82

THERAPY

Enhancement of immunostimulating and immunotherapeutic effect of BCG vaccines using listerial endotoxin–like substances. Mára M, et al. **Dev Biol Stand** 1986;58 (Pt A):379–87

TRANSMISSION

Communicable disease report. January to March 1986. PHLS Communicable Disease Surveillance Centre and the Communicable Disease (Scotland) Unit. **Community Med** 1986 Nov;8(4):351–5

Neonatal listeriosis due to cross–infection in an obstetric theatre. Simmons MD, et al. **J Infect** 1986 Nov;13(3):235–9

VETERINARY

T–2 toxin–enhanced resistance against listeriosis in mice: importance of gastrointestinal lesions. Ziprin RL, et al. **Am J Vet Res** 1987 Jun;48(6):998–1002

Septicemic listeriosis in a reindeer calf. Evans MG, et al. **J Wildl Dis** 1987 Apr;23(2):314–7

Listeriosis in an immature black buck antelope (Antilope cervicapra). Webb DM, et al. **J Wildl Dis** 1987 Apr; 23(2):318–20

Listeriosis. Rebhun WC. **Vet Clin North Am [Food Anim Pract]** 1987 Mar;3(1):75–83

Prevention of listeric abortion in goats by vaccination [letter] Kloster O, et al. **Vet Rec** 1987 Jun 6;120(23):563

Bilateral facial paralysis in a cow with listeriosis. West HJ, et al. **Vet Rec** 1987 Feb 28;120(9):204–5

Epidemiology of ovine listeriosis in Great Britain. Wilesmith JW, et al. **Vet Rec** 1986 Nov 8;119(19):467–70

Demonstration of Listeria monocytogenes with the PAP technique in formalin fixed and paraffin embedded tissues of experimentally infected mice. Domingo M, et al. **Zentralbl Veterinarmed [B]** 1986 Sep;33(7):537–42

[Causes of lamb losses with special reference to listeriosis on a large–scale farm] Dobrowolski W. **Pol Arch Weter** 1986;26(1–2):149–61 (Eng. Abstr.) **(Pol)**

LISTERIA MONOCYTOGENES

[Effect of lipid fractions isolated from Listeria monocytogenes on RNA and protein biosynthesis in the liver and spleen of rats] Paszkiewicz–Gadek A, et al. **Acta Pol Pharm** 1986;43(3):283–8 (Eng. Abstr.) **(Pol)**

ANALYSIS

Purification, characterization, and toxicity of the sulfhydryl–activated hemolysin listeriolysin O from Listeria monocytogenes. Geoffroy C, et al. **Infect Immun** 1987 Jul; 55(7):1641–6

Structural studies on lipoteichoic acids from four Listeria strains. Uchikawa K, et al. **J Bacteriol** 1986 Oct; 168(1):115–22

The antigenic and mitogenic response of murine T and B lymphocytes to soluble proteins of Listeria monocytogenes. Wentworth PA, et al. **J Immunol** 1987 Apr 15; 138(8):2671–8

CLASSIFICATION

The evaluation of a phage–typing system for Listeria monocytogenes for use in epidemiological studies. McLauchlin J, et al. **J Med Microbiol** 1986 Dec; 22(4):357–65

Aspects of the epidemiology of human Listeria monocytogenes infections in Britain 1967–1984; the use of serotyping and phage typing. McLauchlin J, et al. **J Med Microbiol** 1986 Dec;22(4):367–77

[Study of phages used in lysotyping of Listeria monocytogenes and proposal of classification by multidimensional treatment] Audurier A, et al. **J Biol Stand** 1986 Apr;14(2):81–93 **(Fre)**

DRUG EFFECTS

Effect of liposome–entrapped ampicillin on survival of Listeria monocytogenes in murine peritoneal macrophages. Bakker–Woudenberg IA, et al. **Antimicrob Agents Chemother** 1986 Aug;30(2):295–300

Determination of the effect of antimicrobics in combination against Listeria monocytogenes. Meyer RD, et al. **Diagn Microbiol Infect Dis** 1987 Mar;6(3):199–206

Regression analysis, proposed interpretative zone size standards, and quality control guidelines for a new macrolide antimicrobial agent, A–56268 (TE–031). Hanson CW, et al. **J Clin Microbiol** 1987 Jun;25(6):1079–82

Evaluation of dairy and food plant sanitizers against Salmonella typhimurium and Listeria monocytogenes. Lopes JA. **J Dairy Sci** 1986 Nov;69(11):2791–6

Inhibitory effect of liposome–encapsulated penicillin G on growth of Listeria monocytogenes in mouse macrophages. Ito M, et al. **Tohoku J Exp Med** 1986 Nov;150(3):281–6

[Resistance of Listeria monocytogenes to cefotaxime and ceftriaxone combined with an aminoside] Borderon E, et al. **Pathol Biol (Paris)** 1987 May;35(5):568–71 (Eng. Abstr.) **(Fre)**

GENETICS

Cloning of two possible haemolysin determinants from Listeria monocytogenes [letter] Vicente MF, et al. **Ann Inst Pasteur Microbiol** 1987 May–Jun;138(3):385–7

Analysis of macrophage bactericidal function in genetically resistant and susceptible mice by using the temperature–sensitive mutant of Listeria monocytogenes. Gervais F, et al. **Infect Immun** 1986 Nov;54(2):315–21

Tn916–induced mutations in the hemolysin determinant affecting virulence of Listeria monocytogenes. Kathariou S, et al. **J Bacteriol** 1987 Mar;169(3):1291–7

GROWTH & DEVELOPMENT

Growth and thermal inactivation of Listeria monocytogenes in cabbage and cabbage juice. Beuchat LR, et al. **Can J Microbiol** 1986 Oct;32(10):791–5

Thioglycollate elicited macrophages demonstrate enhanced virus replication and depressed bacterial killing. Sich JJ, et al. **Microbiologica** 1987 Jul;10(3):247–56

[Quantitative bacteriologic studies on experimentally infected laboratory animals. 3. Dynamics of germ counts in mice experimentally infected with Listeria monocytogenes] Selbitz HJ, et al. **Arch Exp Veterinarmed** 1986 Jul; 40(4):575–86 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Inhibition of growth of Listeria monocytogenes in vitro, by immunologically activated mouse resident macrophages. Krishnan VL, et al. **Br J Exp Pathol** 1986 Dec;67(6):809–19

Characterization of three different rat T–cell clones with specificity to Listeria monocytogenes: phenotype, specific proliferation, lymphokine production, and protective capacity in vivo. Stolpmann RM, et al. **Cell Immunol** 1986 Sep;101(2):548–57

Specific lysis of Listeria monocytogenes–infected macrophages by class II–restricted L3T4+ T cells. Kaufmann SH, et al. **Eur J Immunol** 1987 Feb;17(2):237–46

Characterization of Listeria monocytogenes–induced murine natural killer cells. Holmberg LA, et al. **Immunol Res** 1986; 5(1):50–60

Suppression of the delayed–type hypersensitivity and cell–mediated immune responses to Listeria monocytogenes induced by Pseudomonas aeruginosa. Blackwood LL, et al. **Infect Immun** 1987 Mar;55(3):639–44

Synthesis and secretion of interferon by murine fibroblasts in response to intracellular Listeria monocytogenes. Havell EA. **Infect Immun** 1986 Dec;54(3):787–92

Immunopotentiating activities of cell walls, peptidoglycans, and teichoic acids from two strains of Listeria monocytogenes. Paquet A Jr, et al. **Infect Immun** 1986 Oct; 54(1):170–6

Intracellular growth of Listeria monocytogenes as a prerequisite for in vivo induction of T cell–mediated immunity. Berche P, et al. **J Immunol** 1987 Apr 1; 138(7):2266–71

Adoptive transfer of immunity to Listeria monocytogenes. The influence of in vitro stimulation on lymphocyte subset requirements. Bishop DK, et al. **J Immunol** 1987 Sep 15; 139(6):2005–9

Induction of macrophage Ia expression by lipopolysaccharide and Listeria monocytogenes in congenitally athymic nude mice. Wentworth PA, et al. **J Immunol** 1987 May 15; 138(10):3167–73

Protection of mice against intestinal amoebiasis with BCG, Corynebacterium parvum and Listeria monocytogenes. Ghadirian E, et al. **Parasite Immunol** 1986 Nov;8(6):663–7

[Pregnancy and the status of the fetus and newborn infant of women with a positive complement fixation test with Listeria monocytogenes antigen] Podgurnik Fla. **Akush Ginekol (Mosk)** 1986 Aug;(8):42–4 **(Rus)**

ISOLATION & PURIFICATION

Method for flow cytometric detection of Listeria monocytogenes in milk. Donnelly CW, et al. **Appl Environ Microbiol** 1986 Oct;52(4):689–95

Comparison of media and methods for detecting and enumerating Listeria monocytogenes in refrigerated cabbage. Hao DY, et al. **Appl Environ Microbiol** 1987 May; 53(5):955–7

Improved Listeria monocytogenes selective agar. Lee WH, et al. **Appl Environ Microbiol** 1986 Nov;52(5):1215–7

Carriage of Listeria monocytogenes and related species in pregnant and non–pregnant women in Aberdeen, Scotland. Lamont RJ, et al. **J Infect** 1986 Sep;13(2):187–93

Control of Listeria in the dairy plant. Surak JG, et al. **Vet Hum Toxicol** 1987 Jun;29(3):247–9

Occurrence of Listeria monocytogenes in raw milk. Fernandez Garayzabal JF, et al. **Vet Rec** 1987 Mar 14; 120(11):258–9

PATHOGENICITY

3rd Forum de Microbiology. Virulence of Listeria monocytogenes. **Ann Inst Pasteur Microbiol** 1987 Mar–Apr;138(2):239–84

Selection and characterization of a Listeria monocytogenes vaccinal strain of reduced virulence for mice. Fensterbank R. **Ann Rech Vet** 1986;17(1):29–36

Potential use of continuous cell lines to distinguish between pathogenic and nonpathogenic Listeria spp. Farber JM, et al. **J Clin Microbiol** 1987 Aug;25(8):1463–6

PHYSIOLOGY

Thermal resistance of intracellular Listeria monocytogenes cells suspended in raw bovine milk. Bunning VK, et al. **Appl Environ Microbiol** 1986 Dec;52(6):1398–402

LISURIDE see under **ERGOLINES**

LITERATURE

The theory and practice of movie psychiatry. Schneider I. **Am J Psychiatry** 1987 Aug;144(8):996–1002

Sue's breast lump [letter] Galland RB, et al. **Br Med J [Clin Res]** 1987 May 30;294(6584):1415

Children's response to a sexual abuse prevention program: a study of the Spiderman comic. Garbarino J. **Child Abuse Negl** 1987;11(1):143–8

Sexual abuse prevention: a rural interdisciplinary effort. Johnson BB. **Child Welfare** 1987 Mar–Apr;66(2):165–73

70+ and going strong. Frederick O'Neal—a pioneer in American theatre [interview] O'Neal F. **Geriatr Nurs (New York)** 1987 May–Jun;8(3):152–3
To be or not to be: a study of ambivalence. Peterson C. **J Anal Psychol** 1987 Apr;32(2):79–92
A Toblacko Belt in Karate: classroom theater on the hazards of smoking [published erratum appears in J Sch Health 1986 Dec;56(10):452] Hoffman AL. **J Sch Health** 1986 Oct; 56(8):337–8
A literature filing system in obstetrics and gynecology. Thatcher SS. **Obstet Gynecol** 1987 Jan;69(1):136–40
Influential literature in medical education. Berner ES, et al. **Proc Annu Conf Res Med Educ** 1986;25:83–8
Addressing the oedipal dilemma in Macbeth. Krohn J. **Psychoanal Rev** 1986 Fall;73(3):333–47
Psychoanalytic studies and Macbeth. Shared fantasy and reciprocal identification. Blum HP. **Psychoanal Study Child** 1986;41:585–99
Education for health by opéras saponiques. Gillett JD. **Trans R Soc Trop Med Hyg** 1987;81(2):351–2
[Perverse discourse] Bertrand C, et al. **Ann Med Psychol (Paris)** 1986 Dec;144(10):1061–84 (Eng. Abstr.) **(Fre)**
[Telling stories to deaf children] Bouvet D. **Rev Laryngol Otol Rhinol (Bord)** 1986;107(4):277–81 (Eng. Abstr.) **(Fre)**
[The story in a one–to–one relation] Dubois G. **Rev Laryngol Otol Rhinol (Bord)** 1986;107(4):273–6 (Eng. Abstr.) **(Fre)**
[Stories and their organizing function] Lafforgue P. **Rev Laryngol Otol Rhinol (Bord)** 1986;107(4):265–70 (Eng. Abstr.) **(Fre)**
[At the frontiers of the brain—the neurologist and his literature] Barbeau A. **Union Med Can** 1986 Dec; 115(12):884–90 **(Fre)**

HISTORY

Anatomy and subversion: 150th anniversary of Georg Büchner's death. Crighton JL. **Br Med J** 1987 Feb 21; 294(6570):489–91
Voltaire's portrayal of old age. Berman L, et al. **Int J Aging Hum Dev** 1986–87;24(3):161–9
From lesbian heroine to devoted wife: or, what the stage would allow. Kendall K. **J Homosex** 1986 May; 12(3–4):9–22
[The personality of Stanislawa Przybyszewska in the light of her letters] Gromska J. **Psychiatr Pol** 1986 Jul–Aug; 20(4):294–301 **(Pol)**
[The history of Chekhov's illness] Evdokimov PP. **Klin Med (Mosk)** 1986 Dec;64(12):125–6 **(Rus)**
[Physicians in literature and art] Skvortsov VIa. **Sov Zdravookhr** 1987;(3):76–8 **(Rus)**

LITERATURE, MEDIEVAL

Some psychoanalytic thoughts about King Lear, Dante, and Don Quixote. Gomez EA. **J Am Acad Psychoanal** 1986 Oct;14(4):545–56
Life imitates art. Andriole GL Jr, et al. **Pa Med** 1987 May; 90(5):66, 68
[Surgery attributable to Abu l–Qasim in Wolfram von Eschenbach's 'Parzifal'] Haage BD. **Clio Med** 1984; 19(3–4):193–205 (Eng. Abstr.) **(Ger)**

LITERATURE, MODERN

Arthur Rimbaud: the poet as an adolescent. Halperin DA. **Adolesc Psychiatry** 1987;14:63–81
The art of living long by Luigi Cornaro. Howell TH. **Age Ageing** 1987 May;16(3):194–5
Lillian Hellman: the uses of rage. Schneiderman L. **Am J Psychoanal** 1987 Spring;47(1):72–92
Closely observed pains. Klein J. **Br Med J [Clin Res]** 1986 Dec 20–27;293(6562):1611–3
Psychoanalysis as a liberation movement. Freud and Rank defend Groddeck's Seeker of Souls against accusations of pornography. Pruyser PW. **Bull Menninger Clin** 1986 Sep; 50(5):428–39
Hemingway: could his suicide have been prevented? Trent B. **Can Med Assoc J** 1986 Oct 15;135(8):933–4
An eighteenth century view of the placebo effect (Rétif de la Bretonne). Schiller F. **Clio Med** 1984;19(1–2):81–6
Understanding chronic illness: a curriculum using nonmedical literature. Mazie B, et al. **Fam Med** 1986 May–Jun; 18(3):160–2
Relational ethics in the novels of Charles Williams. Vande Kemp H. **Fam Process** 1987 Jun;26(2):283–94
An explanation of superego functioning in the development of a Bourgeois revolutionary: a review of La Vita Interiore. Abel TM, et al. **J Am Acad Psychoanal** 1986 Oct; 14(4):557–67
Virginia Woolf and Leslie Stephen: a father's contribution to psychosis and genius. Bond AH. **J Am Acad Psychoanal** 1986 Oct;14(4):507–24
Some psychoanalytic thoughts about King Lear, Dante, and Don Quixote. Gomez EA. **J Am Acad Psychoanal** 1986 Oct;14(4):545–56
The princess in the tower: Zelda Fitzgerald's creative impasse. Waites EA. **J Am Psychoanal Assoc** 1986; 34(3):637–62
Gorky's "Nilushka": autism case report?Webster CD. **J Autism Dev Disord** 1980 Jun;10(2):227–9
Deep fellowship: homosexuality and male bonding in the life and fiction of Joseph Conrad. Hodges RR. **J Homosex** 1979 Summer;4(4):379–93
The mysterious case of Sherlock Holmes's creator. Haines JD Jr. **J Okla State Med Assoc** 1986 Aug;79(8):614–7
Opium and Marcel Schwob: a historical note and translation. Siegel RK, et al. **J Psychoactive Drugs** 1987 Jan–Mar; 19(1):97–100
Thallium and A Pale Horse [letter] Robb–Smith AH. **Lancet** 1987 Apr 11;1(8537):872
Wit and wisdom in old age—the later work of Wilhelm Busch. Lorenz D. **Methods Find Exp Clin Pharmacol** 1987 Mar;9(3):189–91
Insights from the past. Monteiro LA. **Nurs Outlook** 1987 Mar–Apr;35(2):65–9
Janet Frame: contributions to psychiatry. Bragan K. **NZ Med J** 1987 Feb 11;100(817):70–3
Oscar Wilde in Ohio. Ravin JG. **Ohio Med** 1987 Apr; 83(4):265–72
Medicine understood through nonmedical literature: contributions of selected women writers. Eichner ER. **Pharos** 1987 Winter;50(1):17–20
The doctor as hero in nineteenth–century British fiction. Hill J. **Pharos** 1987 Spring;50(2):31–3
Striking memories of medical education: a glimpse of three physician writers. Sugarman J. **Pharos** 1987 Winter; 50(1):30–5
Addressing the oedipal dilemma in Macbeth. Krohn J. **Psychoanal Rev** 1986 Fall;73(3):333–47
A personal myth—Yukio Mishima: the Samurai Narcissus. McPherson DE. **Psychoanal Rev** 1986 Fall;73(3):361–79
Psychoanalytic studies and Macbeth. Shared fantasy and reciprocal identification. Blum HP. **Psychoanal Study Child** 1986;41:585–99
Nursery rhymes. A developmental perspective. DeSantis VP. **Psychoanal Study Child** 1986;41:601–26
Twinship themes and fantasies in the work of Thornton Wilder. Glenn J. **Psychoanal Study Child** 1986;41:627–51
The medical odyssey of James Joyce. Beck IA. **RI Med J** 1986 Nov;69(11):517–22
[Psychiatric aspects in the work of French moralists] Brejcha J. **Cesk Psychiatr** 1986 Aug;82(3–4):260–3 (Eng. Abstr.) **(Cze)**
[Perverse discourse] Bertrand C, et al. **Ann Med Psychol (Paris)** 1986 Dec;144(10):1061–84 (Eng. Abstr.) **(Fre)**
[The dwarf in fable and story—the origin or image of deformities in humans?] Neumann J. **Gesnerus** 1986; 43(3–4):223–40 (Eng. Abstr.) **(Ger)**
[Effect of psychoanalysis on German literature] Cremerius J. **Psyche (Stuttg)** 1987 Jan;41(1):39–54 (Eng. Abstr.) **(Ger)**
[Compensatory structures in Rilke's poetry] Dettmering P. **Psyche (Stuttg)** 1987 Jun;41(6):539–55 (Eng. Abstr.) **(Ger)**
[Toward Italy! Youth and maturation in "Taugenichts"] Hummel C. **Psyche (Stuttg)** 1987 Feb;41(2):148–72 (Eng. Abstr.) **(Ger)**
["The classical I call healthy, and the romantic sickly" (Goethe). Literary scientific reflections on the relation of disease and health] Mandelkow KR. **Psychother Psychosom Med Psychol** 1987 Mar–Apr; 37(3–4):142–7 (Eng. Abstr.) **(Ger)**
[Lying and flying poets—lyric poetry and corporeality] von Matt P. **Schweiz Rundsch Med Prax** 1986 Aug 26; 75(35):1023–5 (Eng. Abstr.) **(Ger)**
[The ear—a literary stroll] Wilhelm E. **Schweiz Rundsch Med Prax** 1987 Mar 24;76(13):332–5 (Eng. Abstr.) **(Ger)**
[Use of belles–lettres in the curricula of advanced training of dermatovenereologists] Anton'ev AA, et al. **Vestn Dermatol Venerol** 1987;(2):34–7 (Eng. Abstr.) **(Rus)**
[A case of combustio spontanea totalis in a novel by Emile Zola] Panić V, et al. **Med Pregl** 1986;39(7–8):391–4 (Eng. Abstr.) **(Scr)**

HISTORY

Reviews of classic books and ineptness of reviewers: lessons for judges of medical manuscripts [editorial] Roberts WC. **Am J Cardiol** 1987 Apr 1;59(8):922–3
Anatomy and subversion: 150th anniversary of Georg Büchner's death. Crighton JL. **Br Med J** 1987 Feb 21; 294(6570):489–91
The melancholy of Dr. Samuel Johnson. Morrant C. **Can Med Assoc J** 1987 Jan 15;136(2):201–3
Kindred souls: the meeting of Drs. Arthur Conan Doyle and Thomas Hamilton. Rodin AE, et al. **Can Med Assoc J** 1986 Nov 15;135(10):1216–7
Arthur Koestler: was his suicide rational? Goldney RD. **Crisis** 1986 Mar;7(1):33–8
Premature mortality among prominent American authors noted for alcohol abuse. Davis WM. **Drug Alcohol Depend** 1986 Oct;18(2):133–8
Voltaire's portrayal of old age. Berman L, et al. **Int J Aging Hum Dev** 1986–87;24(3):161–9
My gay Antonia: the politics of Willa Cather's lesbianism. Adams TD. **J Homosex** 1986 May;12(3–4):89–98
Love between women in 1928: why progressivism is not always progress. Faderman L. **J Homosex** 1986 May; 12(3–4):23–42
From lesbian heroine to devoted wife: or, what the stage would allow. Kendall K. **J Homosex** 1986 May; 12(3–4):9–22
To write "like a woman": transformations of identity in the work of Willa Cather. Russ J. **J Homosex** 1986 May; 12(3–4):77–87
The urological vagaries of two famous patients. Leavesley JH. **Med J Aust** 1986 Dec 1–15;145(11–12):618–20
Some British literary doctors. Hull FM. **Ned Tijdschr Geneeskd** 1986 Sep 27;130(39):1769–70
Dr. and Mrs. Rinehart: a biographic and literary study. Dirckx JH. **Pharos** 1986 Fall;49(4):14–8
A. Conan Doyle, Sherlock Holmes, and murder by tropical infection. Ehrenkranz NJ. **Rev Infect Dis** 1987 Jan–Feb; 9(1):222–5
[Authors who are physicians, 1856–1986] **Ned Tijdschr Geneeskd** 1986 Sep 27;130(39):1729–73 **(Dut)**
[Authors who are physicians. The doctor and the wanton woman] **Ned Tijdschr Geneeskd** 1986 Sep 27; 130(39):1729–30 **(Dut)**
[15 physicians as writers] Balk–Smit Duyzentkunst F. **Ned Tijdschr Geneeskd** 1986 Sep 27;130(39):1743–68 **(Dut)**
[Arnold Aletrino] Joosse CF. **Ned Tijdschr Geneeskd** 1986 Sep 27;130(39):1735–9 **(Dut)**
[Casting off names (Gerrit Achterberg)] Oomen HA. **Ned Tijdschr Geneeskd** 1986 Dec 27;130(52):2363–6 **(Dut)**
[Frederik van Eeden as psychiatrist] Rümke HC. **Ned Tijdschr Geneeskd** 1986 Sep 27;130(39):1732–4 **(Dut)**
[Physicians in the works of S. Vestdijk] Schouten R, et al. **Ned Tijdschr Geneeskd** 1986 Sep 27;130(39):1739–42 **(Dut)**
[The "apoplexies" of Monsieur Voltaire]Bréhant J. **Bull Acad Natl Med (Paris)** 1986 Oct;170(7):845–9 **(Fre)**
[Emile Zola, the placebo effect and parallel medicines] Malinas Y. **Bull Acad Natl Med (Paris)** 1986 Oct; 170(7):861–7 (Eng. Abstr.) **(Fre)**
[Johann Kepler's self–analysis in Arthur Koestler's view. An example of a popular scientific interpretation of a historic text. Essay review] Lohff B. **Clio Med** 1983;18(1–4):253–67 **(Ger)**
[Tadeusz Zeleński–Boy as a pediatrician] Kempa M. **Pediatr Pol** 1986 Sep;61(9):604–6 **(Pol)**
[The personality of Stanislawa Przybyszewska in the light of her letters] Gromska J. **Psychiatr Pol** 1986 Jul–Aug; 20(4):294–301 **(Pol)**
[The wounding and death of Pushkin (clinical analysis)] Breido IS. **Klin Khir** 1987;(1):73–5 **(Rus)**
[The history of Chekhov's illness] Evdokimov PP. **Klin Med (Mosk)** 1986 Dec;64(12):125–6 **(Rus)**
[History of the illness of F.M. Dostoevskii] Evdokimov PP. **Klin Med (Mosk)** 1987 May;65(5):145–7 **(Rus)**
[The history of Dostoevsky's illness] Gorbulin AE. **Klin Med (Mosk)** 1986 Dec;64(12):126–30 **(Rus)**
[A disease named by A. P. Chekhov. Febris sachaliniensis] Shul'tsev GP, et al. **Klin Med (Mosk)** 1987 Feb;65(2):146–8 **(Rus)**
[A. P. Chekhov on S. P. Botkin] Shul'tsev GP. **Klin Med (Mosk)** 1986 Nov;64(11):143–4 **(Rus)**
[Lev Nikolaevich Tolstoi and the problems of medicine (letter)] Svadkovskii BS. **Klin Med (Mosk)** 1986 Aug; 64(8):139–41 **(Rus)**
[Psychopathological pattern in the works of Maxim Gorky] Vul' FR. **Klin Med (Mosk)** 1987 May;65(5):141–4 **(Rus)**

LITHIUM

Haloperidol as an alternative to lithium in pregnant women [letter] Van Gent EM, et al. **Am J Psychiatry** 1987 Sep; 144(9):1241
Infrared and 31P–NMR studies of the effect of Li+ and Ca2+ on phosphatidylserines. Casal HL, et al. **Biochim Biophys Acta** 1987 Jun 23;919(3):275–86
CD of the Li–salt of DNA in ethanol/water mixtures: evidence for the B– to C–form transition in solution. Bokma JT, et al. **Biopolymers** 1987 Jun;26(6):893–909
The optical properties of Li– and Na–DNA films. Weidlich T, et al. **Biopolymers** 1987 Mar;26(3):439–53
Photo–energy calibration of 6Li(Eu) crystals in mixed radiation fields using 24Na. Sun RK. **Health Phys** 1987 Aug;53(2):191–6
Acetylcholine content in rat brain is elevated by status epilepticus induced by lithium and pilocarpine. Jope RS, et al. **J Neurochem** 1987 Sep;49(3):944–51
Twelve years of clinical experience with lithium pulse generators. Hauser RG, et al. **PACE** 1986 Nov;9(6 Pt 2):1277–81
Interaction of sodium, lithium, caesium, and potassium ions with ascorbyl radicals. Wieczorek P, et al. **Z Naturforsch [C]** 1987 Mar;42(3):215–6

ADMINISTRATION & DOSAGE

Chronic dietary lithium induces increased levels of myo–inositol–1–phosphatase activity in rat cerebral cortex homogenates. Renshaw PF, et al. **Brain Res** 1986 Aug 20; 380(2):401–4
Intraperitoneal lithium administration for bipolar affective disorder in a patient on continuous ambulatory peritoneal dialysis. Flynn CT, et al. **Int J Artif Organs** 1987 Mar; 10(2):105–7

Prediction of therapeutic lithium dose: comparison and improvement of current methods. Rosenberg JG, et al. **J Clin Psychiatry** 1987 Jul;48(7):284–6

Comparing oral lithium carbonate and intraperitoneal lithium chloride chronic administrations on rats' activity levels. Cappeliez P. **Neuropsychobiology** 1986;16(2–3):103–8

Effects of intraperitoneal injection of lithium chloride on neurohypophyseal activity: implications for behavioral studies. O'Connor EF, et al. **Physiol Behav** 1987;40(1):91–5

Use of neuroleptics, antidepressants, and lithium by U.S. community populations. Escobar JI, et al. **Psychopharmacol Bull** 1987;23(1):196–200

[Prospective evaluation of prophylactic therapy with repeated lithium doses in manic–depressive psychosis based on a pharmacokinetic protocol] Domuta M, et al. **Rev Med Interna [Neurol Psihiatr]** 1986 Oct–Dec; 31(4):299–304 (Eng. Abstr.) **(Rum)**

[Lithium electrophoresis in treating neurocirculatory asthenia patients] Krasil'nikova RG. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 May–Jun; (3):39–42 (Eng. Abstr.) **(Rus)**

[Complex use of benzodiazepines, lithium salts and haloperidol in the treatment of obsessive movements and tics of different origin] Aksent'ev SB, et al. **Zh Nevropatol Psikhiatr** 1987;87(3):432–7 (Eng. Abstr.) **(Rus)**

[Use of lithium carbonate and vitamin E in the complex treatment of epileptics] Megrabian AA, et al. **Zh Nevropatol Psikhiatr** 1986;86(9):1407–10 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Effects of lithium on the kidney. Gelenberg AJ, et al. **Acta Psychiatr Scand** 1987 Jan;75(1):29–34

Lithium: long–term effects on the kidney. III. Prospective study. Hetmar O, et al. **Acta Psychiatr Scand** 1987 Mar; 75(3):251–8

Changes in serum thyroxine (T4) and serum thyroid stimulating hormone (TSH) during prolonged lithium treatment. Maarbjerg K, et al. **Acta Psychiatr Scand** 1987 Feb;75(2):217–21

Clinical and chemical effects of lithium discontinuation [letter] Goodnick PJ, et al. **Am J Psychiatry** 1987 Mar; 144(3):385

Treatment of severe lithium–induced polyuria with amiloride. Kosten TR, et al. **Am J Psychiatry** 1986 Dec;143(12):1563–8

Early identification of renal problems in patients receiving chronic lithium treatment. Samiy AH, et al. **Am J Psychiatry** 1987 May;144(5):670–2

Lithium and extrapyramidal side effects of neuroleptics [letter] Weiden P. **Am J Psychiatry** 1987 Feb;144(2):264–5

Linear IgA bullous dermatosis related to lithium carbonate [letter] McWhirter JD, et al. **Arch Dermatol** 1987 Sep; 123(9):1120–2

Pearson's correlation coefficient, p–value, and lithium therapy [letter] Amdisen A. **Biol Psychiatry** 1987 Jul; 22(7):926–8

Hypoglycemic effect of lithium [letter] Hunt NJ. **Biol Psychiatry** 1987 Jun;22(6):798–9

Lithium–induced reaction [letter] Eustace DP. **Br J Psychiatry** 1986 Jun;148:752

Lithium carbonate and piroxicam [letter] Harrison TM, et al. **Br J Psychiatry** 1986 Jul;149:124–5

Is there a lithium withdrawal syndrome? Mander AJ. **Br J Psychiatry** 1986 Oct;149:498–501

Lithium induced hyperthyroidism presenting with carpal tunnel syndrome [letter] Wood KA, et al. **Br J Psychiatry** 1986 Sep;149:386–7

Lithium and memory: a review. Ananth J, et al. **Can J Psychiatry** 1987 May;32(4):312–6

Free T4 measurement is preferred to the T4 test for thyroid evaluation in lithium treated patients. Kutcher SP, et al. **Can J Psychiatry** 1987 Mar;32(2):112–4

Lithium–specific pathological electroencephalographic changes: a successful replication of earlier investigative results. Struve FA. **Clin Electroencephalogr** 1987 Apr; 18(2):46–53

Amelioration by indomethacin of lithium–induced polyuria. Grindlinger GA, et al. **Crit Care Med** 1987 May;15(5):538–9

Choreoathetosis as toxic effect of lithium treatment. Walevski A, et al. **Eur Neurol** 1986;25(6):412–5

Possible lithium–induced extrapyramidal effects in Alzheimer's disease. Randels PM, et al. **Hillside J Clin Psychiatry** 1984;6(1):117–21

Multifocal neurological impairment caused by infection–induced rise in blood lithium and amitriptyline. Pheterson AD, et al. **Int J Psychiatry Med** 1986–87; 16(3):257–62

Increased bromide levels in serum and hair during lithium treatment. Campbell C, et al. **J Affective Disord** 1986 Sep–Oct;11(2):161–4

Effect of lithium carbonate therapy on thyroid immune status in manic depressive patients: a prospective study. Lazarus JH, et al. **J Affective Disord** 1986 Sep–Oct;11(2):155–60

Cyclic AMP, prostaglandins and leukaemia: relevance to lithium–induced leukaemia [letter] Das UN. **J Assoc Physicians India** 1986 Sep;34(9):672

Lithium and leukaemia—causal or coincidental? [letter] Sudhir M, et al. **J Assoc Physicians India** 1986 Nov; 34(11):824

Neurotoxicity caused by lithium–verapamil synergism. Price WA, et al. **J Clin Pharmacol** 1986 Nov–Dec;26(8):717–9

Lithium–related atrial premature contractions [letter] Dhillon AS, et al. **J Clin Psychiatry** 1987 Jul;48(7):305

Verapamil: a new antimanic drug with potential interactions with lithium. Dubovsky SL, et al. **J Clin Psychiatry** 1987 Sep;48(9):371–2

Lithium–induced akathisia [letter] Price WA, et al. **J Clin Psychiatry** 1987 Feb;48(2):81

Lithium–verapamil: further considerations [letter] Price WA, et al. **J Clin Psychiatry** 1987 Mar;48(3):124

Complete heart block associated with mesoridazine and lithium combination [letter] Salama AA. **J Clin Psychiatry** 1987 Mar;48(3):123

Lithium allergy [letter] Clark KJ, et al. **J Clin Psychopharmacol** 1987 Aug;7(4):287–9

Fever caused by lithium in a patient with neuroleptic malignant syndrome [letter] Gabuzda DH, et al. **J Clin Psychopharmacol** 1987 Aug;7(4):283–4

Myasthenia gravis unmasked by lithium carbonate [letter] Lipton ID. **J Clin Psychopharmacol** 1987 Feb;7(1):57

Transient facial palsy during lithium toxicity [letter] McCall WV, et al. **J Clin Psychopharmacol** 1987 Aug;7(4):280–1

Lithium–neuroleptic neurotoxicity is dose dependent. Miller F, et al. **J Clin Psychopharmacol** 1987 Apr;7(2):89–91

Chromosome examination of patients under lithium therapy. Matsushima Y, et al. **Jpn J Psychiatry Neurol** 1986 Dec; 40(4):625–30

Sexual function in lithium–treated manic–depressive patients. Kristensen E, et al. **Pharmacopsychiatry** 1987 Jul; 20(4):165–7

Glycosylated hemoglobin (risk of diabetes mellitus) in lithium therapy. Agbayewa MO. **Psychiatr J Univ Ottawa** 1986 Sep;11(3):153–5

Cog–wheel rigidity: a prodromal sign of lithium/haloperidol toxicity. Kirubakaran V, et al. **Psychiatr J Univ Ottawa** 1986 Sep;11(3):169–71

Grades 1 and 2 hypothyroidism in a state mental hospital: risk factors and clinical findings. Vieweg WV, et al. **Psychiatr Q** 1986–87 Summer;58(2):135–43

A cutaneous disorder (Darier's disease) evidently exacerbated by lithium carbonate. Clark RD Jr, et al. **Psychosomatics** 1986 Nov;27(11):800–1

[Hypercalcemia in manic–depressive patients during maintenance treatment with lithium] Søgaard HJ, et al. **Ugeskr Laeger** 1986 Nov 17;148(47):3131–4 (Eng. Abstr.) **(Dan)**

[The effect of lithium treatment on calcium and phosphate metabolism in man] Søgaard HJ. **Ugeskr Laeger** 1986 Nov 17;148(47):3118–20 (30 ref.) (Eng. Abstr.) **(Dan)**

[Lithium encephalopathy without a precipitating factor] Boissonnot L, et al. **J Toxicol Clin Exp** 1985 Jan–Feb; 5(1):35–41 (Eng. Abstr.) **(Fre)**

[Severe sinusal dysfunction following treatment with lithium in therapeutic doses (letter)] Cohen A, et al. **Presse Med** 1987 Mar 21;16(10):492–3 **(Fre)**

[Persistent cerebellar syndrome following treatment with lithium salts (letter)] Servant D, et al. **Presse Med** 1987 Feb 21;16(6):312 **(Fre)**

[Hyperthyroidism and treatment with lithium] Arlot S, et al. **Rev Med Interne** 1987 May–Jun;8(3):303–4 **(Fre)**

[Sinus node dysfunction induced by lithium] Assaf Y, et al. **Harefuah** 1986 Jun 1;110(11):563–5 (Eng. Abstr.) **(Heb)**

[Acute congestive heart failure during therapy with lithium carbonate] Bruzzese V, et al. **Clin Ter** 1986 Dec 15; 119(5):415–9 (Eng. Abstr.) **(Ita)**

ANALYSIS

Selective determination of lithium in biological fluids using flow injection analysis. Pacey GE, et al. **Anal Biochem** 1987 Feb 1;160(2):243–50

Lithium. Amdisen A. **Contemp Issues Clin Biochem** 1985; 3:301–31 (144 ref.)

The effect of media and other variables on the BP solution rate test for slow lithium carbonate tablets. Wall BP, et al. **J Pharm Pharmacol** 1986 Sep;38(9):633–7

Intracellular sodium and lithium NMR relaxation times in the perfused frog heart. Burstein D, et al. **Magn Reson Med** 1987 Mar;4(3):261–73

ANTAGONISTS & INHIBITORS

Potassium reduces lithium toxicity: circadian rhythm actions are maintained. Klemfuss H, et al. **Life Sci** 1987 Jun 29; 40(26):2531–8

BLOOD

Lithium ion–selective electrodes containing TOPO: determination of serum lithium by flow injection analysis. Xie RY, et al. **Analyst** 1987 Jan;112(1):61–4

Temperature dependence of lithium efflux in erythrocytes: distribution in a hypertensive family. Levy R, et al. **Bibl Cardiol** 1987;(42):135–8

A direct ion–selective electrode analyzer (NOVA 11+11) evaluated for determining Li in serum. Decaprio L, et al. **Clin Chem** 1987 Sep;33(9):1668–9

Desirable standards of performance for therapeutic drug monitoring [published erratum appears in Clin Chem 1987 Jul;33(7):1298] Fraser CG. **Clin Chem** 1987 Mar;33(3):387–9

Sodium–lithium countertransport in erythrocytes of children and adolescents with hypertension. Norling LL, et al. **Dev Pharmacol Ther** 1986;9(4):231–40

Analysis of the distribution of erythrocyte sodium lithium countertransport in a sample representative of the general population. Boerwinkle E, et al. **Genet Epidemiol** 1986; 3(5):365–78

Recurrent premenstrual decline in serum lithium concentration: clinical correlates and treatment implications. Conrad CD, et al. **J Am Acad Child Psychiatry** 1986 Nov;25(6):852–3

Ibuprofen can increase serum lithium level in lithium–treated patients. Ragheb M. **J Clin Psychiatry** 1987 Apr;48(4):161–3

Correction of lithium levels for dose and blood sampling times. Swartz CM. **J Clin Psychiatry** 1987 Feb;48(2):60–4

Red blood cell sodium–lithium countertransport and cardiovascular risk factors in black and white college students. Bunker CH, et al. **J Hypertens** 1987 Feb;5(1):7–15

Lithium and boron in human blood. Clarke WB, et al. **J Lab Clin Med** 1987 Feb;109(2):155–8

Possible nephrotoxic interaction of lithium and metronidazole [letter] Teicher MH, et al. **JAMA** 1987 Jun 26; 257(24):3365–6

Na+–Li+ countertransport and electrolyte composition in erythrocytes of patients with essential hypertension before and after antihypertensive treatment. Beuckelmann D, et al. **Klin Wochenschr** 1986 Oct 31;64(21):1101–5

Membrane polyunsaturated fatty acids and lithium–sodium countertransport in human erythrocytes. Corrocher R, et al. **Life Sci** 1987 Aug 31;41(9):1171–8

A case study on the effects of strenuous exercise on serum lithium levels. Norman TC, et al. **Nebr Med J** 1987 Jul; 72(7):224–5

The pharmacokinetic profile of lithium in rat and mouse; an important factor in psychopharmacological investigation of the drug. Wood AJ, et al. **Neuropharmacology** 1986 Nov; 25(11):1285–8

Relationship between standardized twelve–hour serum lithium, mean serum lithium of the 24–hour day, dose regimen, and therapeutic interval. An evaluation based on pharmacokinetic simulations. Amdisen A, et al. **Pharmacopsychiatry** 1986 Nov;19(6):416–9

Minimum plasma lithium levels required for effective prophylaxis in DSM III bipolar disorder: a prospective study. Maj M, et al. **Pharmacopsychiatry** 1986 Nov; 19(6):420–3

Use of propranolol during lithium treatment: an enquiry and a suggestion. Schou M, et al. **Pharmacopsychiatry** 1987 May;20(3):131

Lithium distribution in mania: plasma and red blood cell lithium, clinical state, and monoamine metabolites during lithium treatment. Swann AC, et al. **Psychiatry Res** 1987 Jan;20(1):1–12

DIAGNOSTIC USE

Lithium as a marker for proximal tubular delivery during low salt intake and diuretic infusion. Kirchner KA. **Am J Physiol** 1987 Jul;253(1 Pt 2):F188–96

A test of the validity of the lithium–marker technique for monitoring dietary sources of salt in man. Sanchez–Castillo CP, et al. **Clin Sci** 1987 Jan;72(1):87–94

The potential use of lithium as a marker for the assessment of the sources of dietary salt: cooking studies and physiological experiments in men. Sanchez–Castillo CP, et al. **Clin Sci** 1987 Jan;72(1):81–6

HISTORY

Weir Mitchell and lithium bromide [letter] Olfson M. **Am J Psychiatry** 1987 Aug;144(8):1101–2

History of lithium [letter] Amdisen A. **Biol Psychiatry** 1987 Apr;22(4):522–3

Four researchers honored with Laskers [news] Marx JL. **Science** 1987 Sep 25;237(4822):1563

[Lithium prevention of depression 100 years ago—an ingenious misconception] Felber W. **Fortschr Neurol Psychiatr** 1987 May;55(5):141–4 (Eng. Abstr.) **(Ger)**

METABOLISM

Modelling of pharmacokinetics in rats with decreased renal function induced by surgical reduction of renal parenchyma. Morávek J, et al. **Acta Univ Carol [Med] (Praha)** 1985;31(7–8):435–62

Drug–drug and drug–disease interactions with nonsteroidal anti–inflammatory drugs [letter] Jefferson JW, et al. **Am J Med** 1986 Nov;81(5):948

Lithium clearance in mineralocorticoid escape in humans. Boer WH, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F382–6

Nuclear magnetic resonance studies of intracellular ions in perfused frog heart. Burstein D, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):H1138–46

A diffusional contribution to lithium isotope effects. Renshaw PF. **Biol Psychiatry** 1987 Jan;22(1):73–8

Influence of diuretics on renal lithium excretion and tissue distribution of some cations in saline loaded young and adult rats. Kersten L, et al. **Biomed Biochim Acta** 1987; 46(4):225–36

The p–value of the correlation coefficient in lithium therapy and research [letter] Amdisen A. **Clin Nephrol** 1987 Jul; 28(1):50

What does lithium clearance measure during osmotic diuresis? [letter] Skøtt P, et al. **Clin Sci** 1987 Jul;73(1):126–7

Lithium in marine elasmobranchs as a natural marker of rectal gland contribution in sodium balance. Fleishman DG, et al. **Comp Biochem Physiol [A]** 1986;84(4):643–8

Exaggerated natriuretic response to isotonic volume

expansion in hypertensive renal transplant recipients: evaluation of proximal and distal tubular reabsorption by simultaneous determination of renal plasma clearance of lithium and 51Cr-EDTA. Nielsen AH, et al. **Eur J Clin Invest** 1987 Feb;17(1):37–42

Difference between human red blood cell Na+-Li+ countertransport and renal Na+-H+ exchange. Kahn AM. **Hypertension** 1987 Jan;9(1):7–12

Sodium–lithium countertransport in ambulatory hypertensive and normotensive patients. Turner ST, et al. **Hypertension** 1987 Jan;9(1):24–34

Single dose pharmacokinetics of 5 formulations of lithium: a controlled comparison in healthy subjects. Shelley RK, et al. **Int Clin Psychopharmacol** 1986 Oct;1(4):324–31

Saliva lithium monitoring in prepubertal children. Weller EB, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Mar; 26(2):173–5

Pharmacokinetics of lithium in the elderly. Hardy BG, et al. **J Clin Psychopharmacol** 1987 Jun;7(3):153–8

Relations between erythrocyte lithium efflux, blood pressure and family histories of hypertension and cardiovascular disease: studies in a factory workforce and hypertension clinic. Morgan DB, et al. **J Hypertens** 1986 Oct;4(5):609–15

Effect of dietary fat on sodium transport and sodium–lithium countertransport in rat erythrocytes and thymocytes. Murray GE, et al. **J Nutr** 1986 Aug;116(8):1390–4

Continuous measurements of Na, Li, and Cl in the perfused salivary gland by use of NMR. Murakami M, et al. **Jpn J Physiol** 1986;36(6):1267–74

The single-dose bioavailability of different lithium carbonate products. Tsang HY, et al. **Taiwan J Hsueh Hui Tsa Chih** 1987 May;86(5):543–8

[Cation transport and content in serum-stimulated CHO–773 cells. I. Rapid changes in rubidium and lithium influxes and intracellular sodium content] Marakhova II, et al. **Tsitologiia** 1987 Jan;29(1):59–65 (Eng. Abstr.) **(Rus)**

[Lithium clearance and essential arterial hypertension (letter)] Andreu J, et al. **Med Clin (Barc)** 1987 Jan 17;88(2):80 **(Spa)**

PHARMACODYNAMICS

Effects of lithium on the platelet count in neoplastic patients treated with polychemotherapy [letter] Carulli G, et al. **Acta Haematol (Basel)** 1986;75(4):242–3

Lithium versus rubidium in chemiluminescence. Rossini D, et al. **Acta Haematol (Basel)** 1987;77(4):241–2

Long term treatment with nomifensine or lithium does not change 3H-naloxone binding to opioid receptors in rat brain. Christensen CB, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Aug;59(2):158–60

Localization of K-NPPase and Li+ secretion in the exocrine pancreas of the pig. Buanes T, et al. **Acta Physiol Scand** 1987 Jul;130(3):457–66

The effect of lithium on platelet count. Balon R, et al. **Acta Psychiatr Scand** 1986 Nov;74(5):474–8

GABAergic responses to lithium chloride: dependence on dose, treatment length and experimental condition. Rubio MC, et al. **Adv Biochem Psychopharmacol** 1986;42:69–77

Mechanisms of lithium–vasopressin interaction in rabbit cortical collecting tubule. Cogan E, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1080–7

Potentiation of antidepressants by T3 and lithium [letter] Harrison W, et al. **Am J Psychiatry** 1987 Apr;144(4):530–1

Lithium chloride, cholecystokinin and meal patterns: evidence that cholecystokinin suppresses meal size in rats without causing malaise. West DB, et al. **Appetite** 1987 Jun;8(3):221–7

Behavioral effects of lithium on presynaptic sites of catecholaminergic neurons in the mouse. Ushijima I, et al. **Arch Int Pharmacodyn Ther** 1986 Jul;282(1):58–67

Characterization of lithium-induced enzyme release from human polymorphonuclear leukocytes. Hart DA, et al. **Biochem Cell Biol** 1986 Sep;64(9):880–5

Evidence that inositol 1-phosphate in brain of lithium-treated rats results mainly from phosphatidylinositol metabolism. Ackermann KE, et al. **Biochem J** 1987 Mar 1;242(2):517–24

The effects of lithium on platelet phosphoinositide metabolism. Huang EM, et al. **Biochem J** 1986 Jun 15; 236(3):895–901

The interaction of lithium ions with inositol lipid signalling systems. Drummond AH, et al. **Biochem Soc Trans** 1987 Feb;15(1):32–5

Inhibition of L-alanine aminotransferase by lithium salts. Kadis B. **Bioinorg Chem** 1976;6(2):183–6

Alterations by antidepressants of cerebrospinal fluid formation and calcium distribution dynamics in the intact rat brain. Barkai AI, et al. **Biol Psychiatry** 1987 Jul; 22(7):892–8

Lithium decreases 5-HT1 receptors but increases 5-HT-sensitive adenylate cyclase activity in rat hippocampus. Hotta I, et al. **Biol Psychiatry** 1986 Dec; 21(14):1382–90

Systemic lithium administration alters rat cerebral cortex phospholipids. Joseph NE, et al. **Biol Psychiatry** 1987 May; 22(5):540–4

The effect of lithium on the membrane molecular dynamics of normal human erythrocytes. Pettegrew JW, et al. **Biol Psychiatry** 1987 Jul;22(7):857–71

Lithium, metal ions, and choline [letter] Renshaw PF. **Biol Psychiatry** 1987 May;22(5):660–1

Lithium augments GM-CSA generation in canine cyclic hematopoiesis. Hammond WP, et al. **Blood** 1987 Jan; 69(1):117–23

The anti-proliferative effect of lithium chloride on melanoma cells and its reversion by myo-inositol. Nordenberg J, et al. **Br J Cancer** 1987 Jan;55(1):41–6

The effects of serum, lithium, ethacrynic acid, and a low external concentration of potassium on specific [3H]-ouabain binding to human lymphocytes after incubation for 3 days. Rapeport WG, et al. **Br J Clin Pharmacol** 1986 Sep;22(3):275–9

Catecholamine release evoked by lithium from the perfused adrenal gland of the cat. Abajo FJ, et al. **Br J Pharmacol** 1987 Jul;91(3):539–46

Differential effects of pertussis toxin and lithium on muscarinic responses in the atria and ileum: evidence for receptor heterogeneity. Eglen RM, et al. **Br J Pharmacol** 1987 May;91(1):6–8

Depolarization of brain cortex slices and synaptosomes by lithium. Determination of K+-equilibrium potential in cortex slices. Adam-Vizi V, et al. **Brain Res** 1987 May 5;410(2):257–63

Acute lithium treatment suppresses the proestrous LH surge in mice: chronic lithium leads to constant diestrus. Banerji TK, et al. **Brain Res** 1986 Aug 13;380(1):176–80

Lithium preincubation stimulates the potassium-induced release of cholecystokinin from slices of cerebral cortex and caudate-putamen incubated in vitro. Gysling K, et al. **Brain Res** 1987 Jun 16;413(2):365–7

Chronic lithium treatment increases the phosphorylation of a 64-kDa protein in rat brains. Klein E, et al. **Brain Res** 1987 Mar 31;407(2):312–6

Mechanism of action of lithium on acetylcholine receptor metabolism in skeletal muscle. Pestronk A, et al. **Brain Res** 1987 Jun 2;412(2):302–10

Probing the structure and stability of the tumor-localizing derivative of hematoporphyrin by reductive cleavage with LiAlH4. Kessel D, et al. **Cancer Res** 1987 Sep 1; 47(17):4642–5

Distinct effects of Na+ and Li+ on the induction of morphological changes in A431 cells mediated by epidermal growth factor. Emura-Yamaguchi N, et al. **Cell Struct Funct** 1987 Feb;12(1):23–33

A morphometric and ultrastructural study of lithium-induced changes in the medullary collecting ducts of the rat kidney. Ottosen PD, et al. **Cell Tissue Res** 1987 Aug;249(2):311–5

In vitro effects of thymosin and lithium on lymphoproliferative responses of normal donors and HIV seropositive male homosexuals with AIDS-related complex. Sztein MB, et al. **Clin Immunol Immunopathol** 1987 Jul;44(1):51–62

Frog retinal pigment screening and lithium. Kemali M, et al. **Comp Biochem Physiol [C]** 1987;86(2):421–3

Effects of forskolin, isoproterenol and lithium ions on leucophores of a teleost, Oryzias latipes: evidence for involvement of adenylate cyclase in pigment-dispersion response. Namoto S, et al. **Comp Biochem Physiol [C]** 1987; 86(1):91–5

Dihydroergotamine, but not naloxone, counteracts lithium as an inhibitor of glucose-induced insulin release in isolated rat islets in vitro. Fontela T, et al. **Diabetologia** 1987 Mar; 30(3):183–7

Effect of lithium ingestion on digestive and absorptive function of rat intestine. Dhawan D, et al. **Digestion** 1987; 36(2):84–90

Regulatory effect of lithium on thyroxine metabolism in murine neural and anterior pituitary tissue. St Germain DL. **Endocrinology** 1987 Apr;120(4):1430–8

Lithium ions have a potent and selective inhibitory effect on cyclic GMP formation stimulated by neurotensin, angiotensin II and bradykinin. Kanba S, et al. **Eur J Pharmacol** 1986 Jul 15;126(1–2):111–6

The role of the phosphatidylinositol cycle in mitosis in sea urchin zygotes. Lithium inhibition is overcome by myo-inositol but not by other cyclitols or sugars. Forer A, et al. **Exp Cell Res** 1987 May;170(1):42–55

Lithium inhibits terminal differentiation of erythroleukemia cells. Evidence for a pre-commitment 'priming' event. Zaricznyj C, et al. **Exp Cell Res** 1987 Feb;168(2):402–10

Stable isotopes of lithium: dissimilar biochemical and behavioral effects. Lieberman K, et al. **Experientia** 1986 Sep 15;42(9):985–7 (23 ref.)

Lithium ion reversibly inhibits inducer-stimulated adipose conversion of 3T3-L1 cells. Aratani Y, et al. **FEBS Lett** 1987 Jun 22;218(1):47–51

Effects of lithium on phosphoinositide metabolism in vivo. Sherman WR, et al. **Fed Proc** 1986 Oct;45(11):2639–46

Effects of lithium on human leukocyte chemotaxis. Indirect evidence from the use of potassium and vinblastine concerning the modulation of microtubular system. Azzarà A, et al. **Haematologica (Pavia)** 1987 Mar-Apr;72(2):121–7

Effect of Li+ and Ba2+ on the electrocyte membrane-bound (Na+ + K+)-ATPase. Somló C, et al. **Int J Biochem** 1987;19(1):17–21

Lithium and hematopoietic toxicity. II. Acceleration in vivo of murine hematopoietic progenitor cells (CFU-gm and CFU-meg) following treatment with vinblastine sulfate. Gallicchio VS. **Int J Cell Cloning** 1987 Mar;5(2):122–33

Influence of short-term lithium carbonate administration on stimulated insulin secretion in normal man. Caviezel F, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Apr; 25(4):188–93

Effects of lithium and rubidium on the differentiation of mononuclear cells. Petrini M, et al. **Int J Tissue React** 1986; 8(5):391–2

Modulation of the Na+-Ca2+ antiport by its ionic environment: the effect of lithium. Hermoni M, et al. **Isr J Med Sci** 1987 Jan-Feb;23(1–2):44–8

Effects of lithium carbonate on the memory and motor speed of bipolar outpatients. Shaw ED, et al. **J Abnorm Psychol** 1987 Feb;96(1):64–9

Effects of lithium ions on glycogen synthase and phosphorylase in rat hepatocytes. Bosch F, et al. **J Biol Chem** 1986 Dec 25;261(36):16927–31

Effects of one-week lithium treatment on skilled performance, information processing, and mood in healthy volunteers. Linnoila M, et al. **J Clin Psychopharmacol** 1986 Dec;6(6):356–9

Organ culture of skin of rabbits and guinea pigs: maintenance of complete keratinization and effect of lithium on keratinization. Kondo S, et al. **J Dermatol (Tokyo)** 1986 Apr;13(2):92–100

Sodium transport and the cellular sodium transport pool of colonic epithelium: effects of sodium loading, aldosterone and lithium. Edmonds CJ, et al. **J Endocrinol** 1987 Feb; 112(2):247–52

Effects of lithium and phorbol esters on the dynamics of LH release from dispersed sheep pituitary cells. Starling L, et al. **J Endocrinol** 1986 Oct;111(1):167–73

Effects of lithium on the endocrine system: a review. Salata R, et al. **J Lab Clin Med** 1987 Aug;110(2):130–6 (49 ref.)

Effects of short-term lithium administration on tryptophan levels and 5-hydroxytryptamine synthesis in whole brain and brain regions in rats. Berggren U. **J Neural Transm** 1987;69(1–2):115–21

Thyrotropin-releasing hormone reduces myo-inositol content in rat cerebellum pretreated with lithium. Miyamoto Y, et al. **J Neurochem** 1987 Jul;49(1):88–91

Interactions among lithium, calcium, diacylglycerides, and phorbol esters in the regulation of adrenocorticotropin hormone release from AtT-20 cells. Reisine T, et al. **J Neurochem** 1987 Sep;49(3):884–9

Effect of lithium on Schwann cell proliferation stimulated by axolemma- and myelin-enriched fractions. Yoshino JE, et al. **J Neurochem** 1987 Apr;48(4):1270–7

Acute and chronic lithium treatments influence agonist and depolarization-stimulated inositol phospholipid hydrolysis in rat cerebral cortex. Kendall DA, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):1023–7

Chronic lithium treatment decreases [3H]-imipramine binding in rat brain. Maeda K, et al. **Jpn J Psychiatry Neurol** 1986 Jun;40(2):227–30

Chronic administration of lithium modulates tryptophan transport by changing the properties of the synaptosomal plasma membrane. Herrero E, et al. **Life Sci** 1987 Aug 3;41(5):643–50

Effects of lithium on the pituitary-gonadal axis in the rat: evidence for dose-dependent changes in plasma gonadotropin and testosterone levels. Sheikha SH, et al. **Life Sci** 1987 May 4;40(18):1835–44

In vivo 31P NMR spectroscopy of agonist-stimulated phosphatidylinositol metabolism in cat brain. Renshaw PF, et al. **Magn Reson Med** 1987 Mar;4(3):221–6

Lithium and viruses. Bach RO. **Med Hypotheses** 1987 Jun; 23(2):157–70

Lithium and immune function. Lieb J. **Med Hypotheses** 1987 May;23(1):73–93 (93 ref.)

Use of lithium ion in measurement of stimulated pituitary inositol phospholipid turnover. Huckle WR, et al. **Methods Enzymol** 1987;141:149–55

Effect of lithium on the metabolic response to parathyroid hormone. Lazarus JH, et al. **Miner Electrolyte Metab** 1987; 13(1):63–6

Uremia and red blood cell lithium–sodium countertransport [letter] Trevisan M, et al. **Nephron** 1987;46(2):214

Effects of systematically administered lithium on tryptophan transport and exchange in plasma-membrane vesicles isolated from rat brain. Aragon MC, et al. **Neurochem Res** 1987 May;12(5):439–44

Vesicular site of action of lithium ion in choline-calcium stimulated adrenergic nerve endings of rat heart. Bogdanski DF. **Neuropharmacology** 1986 Dec;25(12):1327–34

Acute infusion of lithium chloride raises blood pressure in the conscious rat. Cheng SW, et al. **Neuropharmacology** 1986 Nov;25(11):1185–90

Effects of lithium in vitro and ex vivo on components of the adenylate cyclase system in membranes from the cerebral cortex of the rat. Newman ME, et al. **Neuropharmacology** 1987 Feb-Mar;26(2-3):211–7

Long-term lithium treatment causes serotonin receptor down-regulation via serotonergic presynapses in rat brain. Hotta I, et al. **Neuropsychobiology** 1986;16(1):19–26

Structural and functional response of the isolated toad skin to mucosal lithium. Sanioto SM, et al. **Pflugers Arch** 1987 Jun;409(1–2):188–93

Suppression of behavior by food pellet–lithium chloride pairings in squirrel monkeys. Bergman J, et al. **Pharmacol Biochem Behav** 1986 Nov;25(5):973–8

Prevention of fluphenazine-induced changes in dopaminergic and muscarinic receptors by lithium. Gianutsos G, et al. **Pharmacol Biochem Behav** 1987 Mar;26(3):635–7

Lithium effects on adjunctive alcohol consumption. II: Effects of adding concurrent shock. Hines G. **Pharmacol Biochem Behav** 1986 Dec;25(6):1163–7

Lithium effects on adjunctive alcohol consumption. I: Comparison with adjunctive water consumption. Hines G.

Pharmacol Biochem Behav 1986 Dec;25(6):1159–62

Mechanism of lithium action: in vivo and in vitro effects of alkali metals on brain superoxide dismutase. Shukla GS. **Pharmacol Biochem Behav** 1987 Feb;26(2):235–40

Effects of lithium on calmodulin-stimulated adenylate cyclase activity in cortical membranes from rat brain. Mørk A, et al. **Pharmacol Toxicol** 1987 Jan;60(1):17–23

Mode of action of lithium on the catalytic unit of adenylate cyclase from rat brain. Mørk A, et al. **Pharmacol Toxicol** 1987 Apr;60(4):241–8

Synergism of a compound unconditioned stimulus in taste aversion conditioning. Kusnecov AW, et al. **Physiol Behav** 1987;39(4):531–3

Naltrexone reverses a long term depressive effect of a toxic lithium injection on saccharin preference. Lieblich I, et al. **Physiol Behav** 1987;39(4):547–50

Analgesic properties of lithium. Yirmiya R, et al. **Proc West Pharmacol Soc** 1987;30:303–6

Lithium and circadian patterns of melatonin in the retina, hypothalamus, pineal and serum. Seggie J, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):325–34

Sex differences in gastric mucosal protection after 16, 16-dimethyl PGE2 and lithium chloride. Wong RK, et al. **Prostaglandins** 1986 Oct;32(4):555–61

Effects of lithium administration on plasma catecholamines. Grof E, et al. **Psychiatry Res** 1986 Sep;19(1):87–92

Concurrent lithium administration results in higher haloperidol levels in brain and plasma of guinea pigs. Nemes ZC, et al. **Psychiatry Res** 1987 Apr;20(4):313–6

Interindividual variability of lithium-induced EEG changes in healthy volunteers. Ulrich G, et al. **Psychiatry Res** 1987 Feb;20(2):117–27

A review of the biochemical and neuropharmacological actions of lithium. Wood AJ, et al. **Psychol Med** 1987 Aug; 17(3):579–600 (185 ref.)

Hyperactivity induced by dexamphetamine/chlordiazepoxide mixtures in rats and its attenuation by lithium pretreatment: a role for dopamine? Aylmer CG, et al. **Psychopharmacology (Berlin)** 1987;91(2):198–206

The effect of lithium on 5-HT-mediated neuroendocrine responses and platelet 5-HT receptors. Glue PW, et al. **Psychopharmacology (Berlin)** 1986;90(3):398–402

Selective effect of lithium on cognitive performance in man. Glue PW, et al. **Psychopharmacology (Berlin)** 1987; 91(1):109–11

Lithium decreases 5-HT1A and 5-HT2 receptor and alpha 2-adrenoceptor mediated function in mice. Goodwin GM, et al. **Psychopharmacology (Berlin)** 1986;90(4):482–7

The enhancement by lithium of the 5-HT1A mediated serotonin syndrome produced by 8-OH-DPAT in the rat: evidence for a post-synaptic mechanism. Goodwin GM, et al. **Psychopharmacology (Berlin)** 1986;90(4):488–93

Lithium effects on adjunctive alcohol consumption in rats. Hines G, et al. **Psychopharmacology (Berlin)** 1986; 90(2):236–8

Conditioned slowing of stomach emptying produced by Pavlovian pairings of a drug CS or a place with lithium chloride. Lett BT. **Psychopharmacology (Berlin)** 1986; 90(1):49–53

Effects of neuroleptic drugs, clonidine and lithium on the expression of conditioned behavioral excitation in rats. Poncelet M, et al. **Psychopharmacology (Berlin)** 1987; 92(3):393–7

Effect of lithium administration on rat brain 5-hydroxyindole levels in a possible animal model for mania. Vale AL, et al. **Psychopharmacology (Berlin)** 1987;91(3):352–5

[Current hypotheses on the mechanism of action of lithium. I. Lithium and neuromediators] Wolf MA. **Encephale** 1987 Jan–Feb;13(1):3–11 (85 ref.) (Eng. Abstr.) **(Fre)**

[Current hypotheses on the mechanism of action of lithium. II. Lithium and membranes; from the receptor to cyclic nucleotide by the way of membrane phospholipids] Wolf MA. **Encephale** 1987 Jan–Feb;13(1):13–21 (83 ref.) (Eng. Abstr.) **(Fre)**

[Effect of 2-cyanoethylurea, thymus extract and lithium carbonate on the leukocyte count in peripheral blood following whole body irradiation] Saul G, et al. **Onkologie** 1986 Oct;9(5):257–61 (Eng. Abstr.) **(Ger)**

[The effect of lithium treatment on the activity of central dopaminergic neurons] Koyama T. **Hokkaido Igaku Zasshi** 1987 May;62(3):402–16 (Eng. Abstr.) **(Jpn)**

[Detection of an inhibitor of the causative agent of plague active against strains of the plague microbe from an homologous focus. The effect of lithium chloride on detecting the inhibitor] Gramotina LI. **Antibiot Med Biotekhnol** 1987 Jan;32(1):36–8 (Eng. Abstr.) **(Rus)**

[Cardiotropic properties of lithium oxybutyrate in an experiment and in the clinic] Galenko-Iaroshevskiĭ PA, et al. **Farmakol Toksikol** 1986 Sep–Oct;49(5):63–7 (Eng. Abstr.) **(Rus)**

[Lithium and catecholaminergic neurotransmission] Sánchez García P. **An R Acad Nac Med (Madr)** 1986;103(2):253–6 **(Spa)**

PHYSIOLOGY

Putative role for lithium in human hematopoiesis. Barr RD, et al. **J Lab Clin Med** 1987 Feb;109(2):159–63

POISONING

Biochemical and enzymological changes in liver and kidney of Clarias batrachus following lithium intoxication. Goel KA, et al. **Arh Hig Rada Toksikol** 1985 Sep;36(3):249–53

Importance of tactile and olfactory cues to the inhibition of the grasshopper mouse's attack through toxicosis. Langley WM, et al. **Behav Neural Biol** 1986 Nov; 46(3):337–47

Permanent neurological sequelae due to lithium toxicity. Nagaraja D, et al. **Clin Neurol Neurosurg** 1987;89(1):31–4

Self-poisoning and therapeutic intoxication with lithium. Dyson EH, et al. **Hum Toxicol** 1987 Jul;6(4):325–9

Haemodialysis in lithium poisoning [letter] Nagaraj D, et al. **J Assoc Physicians India** 1987 Mar;35(3):247

"Haemodialysis in lithium poisoning".Talwalkar NC, et al. **J Assoc Physicians India** 1986 Aug;34(8):597–8

Cerebellar syndrome in lithium poisoning: a case of partial recovery [letter] Tesio L, et al. **J Neurol Neurosurg Psychiatry** 1987 Feb;50(2):235

Lithium intoxication: pharmacokinetics during and after terminated hemodialysis in acute intoxications. Jacobsen D, et al. **J Toxicol Clin Toxicol** 1987;25(1–2):81–94

Lithium poisoning. Decina P, et al. **NY State J Med** 1987 Apr;87(4):230–1

Acute lithium neurotoxicity. el-Mallakh RS. **Psychiatr Dev** 1986 Winter;4(4):311–28

Seizures and transient cognitive deterioration as sequelae of acute lithium intoxication. el-Mallakh RS, et al. **Vet Hum Toxicol** 1987 Apr;29(2):143–5

[Double-lumen hemodialysis catheters in the treatment of acetylsalicylic acid and lithium poisoning] Wanscher MC, et al. **Ugeskr Laeger** 1986 Aug 18;148(34):2160–1 (Eng. Abstr.) **(Dan)**

[Spontaneous toxicokinetics of lithium poisoning in renal insufficiency with diuresis maintained] Bismuth C, et al. **J Toxicol Clin Exp** 1986 May–Jun;6(3):189–94 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Lithium level and inter-episode symptoms in affective disorder. Goodnick PJ, et al. **Acta Psychiatr Scand** 1987 Jun;75(6):601–3

Lithium therapy for affective disorders. Schvehla TJ, et al. **Am Fam Physician** 1987 Jul;36(1):169–75

Lack of effect of lithium carbonate in patients with glycogenosis Ib. Mahoney DH Jr, et al. **Am J Dis Child** 1987 Sep;141(9):985–6

Enhancement of granulopoiesis by lithium carbonate in a patient with hairy cell leukemia. Levine MA, et al. **Am J Med** 1987 Jan;82(1):146–8

How long should drug therapy for depression be maintained? [letter] Abou-Saleh MT. **Am J Psychiatry** 1987 Sep; 144(9):1247–8

Combined carbamazepine and lithium therapy for violent behavior [letter] Buck OD, et al. **Am J Psychiatry** 1986 Nov;143(11):1487

Rapid switch in a bipolar patient during lithium-tricyclic therapy [letter] Delisle JD. **Am J Psychiatry** 1986 Oct; 143(10):1326–7

Comparison of clonidine and lithium in the treatment of mania. Giannini AJ, et al. **Am J Psychiatry** 1986 Dec; 143(12):1608–9

Predictors of interepisode symptoms and relapse in affective disorder patients treated with lithium carbonate. Goodnick PJ, et al. **Am J Psychiatry** 1987 Mar;144(3):367–9

Identical twins' nonidentical responses to lithium [letter] Hoffmann WF. **Am J Psychiatry** 1987 Sep;144(9):1240–1

Lithium-responsive depressed patients [letter] Mossman D. **Am J Psychiatry** 1987 Mar;144(3):392–3

Variability of response to lithium augmentation in refractory depression. Price LH, et al. **Am J Psychiatry** 1986 Nov; 143(11):1387–92

Mania induced by lithium augmentation [letter] Price LH. **Am J Psychiatry** 1987 Mar;144(3):389

Absence of carbamazepine-induced hyponatremia among patients also given lithium. Vieweg V, et al. **Am J Psychiatry** 1987 Jul;144(7):943–7

A double-blind, placebo-controlled trial of lithium carbonate therapy for alcoholism. Fawcett J, et al. **Arch Gen Psychiatry** 1987 Mar;44(3):248–56

Lithium carbonate treatment of mania. Cerebrospinal fluid and urinary monoamine metabolites and treatment outcome. Swann AC, et al. **Arch Gen Psychiatry** 1987 Apr; 44(4):345–54

An experimental study and computer simulation of the turnover of choline in erythrocytes of patients treated with lithium carbonate. Beilharz GR, et al. **Aust J Exp Biol Med Sci** 1986 Jun;64 (Pt 3):271–89

NMR chemistry of red blood cell constituents [letter] Domino EF. **Biol Psychiatry** 1987 Mar;22(3):396–7

Lithium discontinuation, serum cortisol, and 5-HTP [letter] Goodnick PJ, et al. **Biol Psychiatry** 1987 Feb;22(2):240–1

The use of alternative drug therapy in nine patients with recurrent affective disorder resistant to conventional prophylaxis. Lovett L, et al. **Biol Psychiatry** 1986 Nov; 21(13):1344–7

Lithium suppresses seizure susceptibility in pentylenetetrazol-kindled rats. Schmidt J. **Biomed Biochim Acta** 1986;45(9):1167–72

Guidelines for patients receiving lithium treatment who require major surgery [letter] Schou M, et al. **Br J Anaesth** 1987 Jun;59(6):809–10

Comparison of the prophylactic action of flupenthixol with placebo in lithium treated manic-depressive patients. Esparon J, et al. **Br J Psychiatry** 1986 Jun;148:723–5

Lithium augmentation in the treatment of delusional depression. Pai M, et al. **Br J Psychiatry** 1986 Jun;148:736–8

Admission rates and lithium therapy [letter] Schou M. **Br J Psychiatry** 1986 Dec;149:798–9

Lithium treatment: a refresher course. Schou M. **Br J Psychiatry** 1986 Nov;149:541–7

Lithium augmentation of tricyclics [letter] Worrall EP. **Br J Psychiatry** 1986 Oct;149:520–1

Lithium addition in treatment-resistant depression [letter] de Montigny C, et al. **Can J Psychiatry** 1986 Nov;31(8):794–5

Rapid cycling disorders and the role of combined lithium and haloperidol decanoate [letter] Loew MR. **Can J Psychiatry** 1986 Dec;31(9):877–8

Enhanced lymphocyte response to PHA among leukemia patients taking oral lithium carbonate. Ridgway D, et al. **Cancer Invest** 1986;4(6):513–7

Lithium therapy and the turnover of phosphatidylcholine in human erythrocytes. Pleul O, et al. **Eur J Clin Pharmacol** 1986;31(4):457–62

Effects of lithium carbonate on the clinical picture and the sleep of depressive patients. Dürrigl V, et al. **Eur Neurol** 1986;25 Suppl 2:71–4

Lithium in schizophrenia [letter] Wilson WH. **Hosp Community Psychiatry** 1986 Dec;37(12):1267

The effectiveness of lithium prophylaxis in bipolar and unipolar depressions and schizo-affective disorders. Bouman TK, et al. **J Affective Disord** 1986 Nov–Dec; 11(3):275–80

Clinical prediction of outcome and lithium response in bipolar affective disorder. Mander AJ. **J Affective Disord** 1986 Jul–Aug;11(1):35–41

Long-term experience with lithium treatment in childhood: correlation with clinical diagnosis. DeLong GR, et al. **J Am Acad Child Adolesc Psychiatry** 1987 May; 26(3):389–94

Lithium-verapamil toxicity in the elderly [letter] Price WA, et al. **J Am Geriatr Soc** 1987 Feb;35(2):177–8

Manic-depressive illness in children: treatment with lithium carbonate. Younes RP, et al. **J Child Neurol** 1986 Oct; 1(4):364–8

Treatment of mania: a naturalistic study of electroconvulsive therapy versus lithium in 438 patients. Black DW, et al. **J Clin Psychiatry** 1987 Apr;48(4):132–9

Carbamazepine versus lithium in mania: a double-blind study. Lerer B, et al. **J Clin Psychiatry** 1987 Mar;48(3):89–93

The comparative efficacy and safety of carbamazepine versus lithium: a randomized, double-blind 3-year trial in 83 patients. Placidi GF, et al. **J Clin Psychiatry** 1986 Oct; 47(10):490–4

Lithium carbonate and tardive dyskinesia [letter] Foti ME, et al. **J Clin Psychopharmacol** 1986 Oct;6(5):325–6

Geriatric aspects of psychopharmacology. Part A. Lippmann S. **J Ky Med Assoc** 1987 May;85(5):285–8

Lithium treatment and cognitive changes in two mentally retarded patients. Elliott RL. **J Nerv Ment Dis** 1986 Nov; 174(11):689–92

Lithium for treatment of neutropenia in glycogen storage disease type Ib. Koletzko B, et al. **J Pediatr** 1986 Nov; 109(5):902–4

Affective disorders in mentally retarded adolescents--report of two cases with lithium treatment. Fukuda K, et al. **Jpn J Psychiatry Neurol** 1986 Dec;40(4):551–7

Maintenance lithium [letter] **Lancet** 1987 Mar 21;1(8534):680

Maintenance lithium [letter] **Lancet** 1987 Apr 11; 1(8537):866–7

Doubts about the value of maintenance lithium [editorial] **Lancet** 1987 Feb 21;1(8530):424

Serotonergic mechanisms of lithium action. Goodnick PJ. **Mt Sinai J Med (NY)** 1987 Feb;54(2):182–7

Clinical use of lithium in manic-depressive illness. Kang JS, et al. **Nebr Med J** 1986 Nov;71(11):383–9

Is there a common denominator for the antimanic effect of lithium and anticonvulsants? Waldmeier PC. **Pharmacopsychiatry** 1987 Mar;20(2):37–47

Lithium response and the sequence of episode polarities: preliminary report on a Hamilton sample. Grof E, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):199–203

Sequence of affective polarity and lithium response: preliminary report on Munich sample. Haag H, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):205–8

RBC-choline: a biological marker of the outcome of lithium prophylaxis? Haag M, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):209–12

The clinical use of lithium carbonate in old age: a review. Shulman KI, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):159–64

Increase in white blood cell count and serum sodium level following the addition of lithium to carbamazepine treatment among three chronically psychotic male patients with disturbed affective states. Vieweg WV, et al. **Psychiatr Q** 1986–87 Fall;58(3):213–7

Prolongation of the antidepressant response to partial sleep deprivation by lithium. Baxter LR Jr, et al. **Psychiatry Res** 1986 Sep;19(1):17–23

Effect of lithium in vitro and after chronic treatment on human platelet adenylate cyclase activity: postreceptor modification of second messenger signal amplification. Ebstein RP, et al. **Psychiatry Res** 1987 Jul;21(3):221–8

Lithium and lecithin in tardive dyskinesia: an update. Volavka J, et al. **Psychiatry Res** 1986 Oct;19(2):101–4

Does maintenance lithium therapy prevent recurrences of mania under ordinary clinical conditions? Dickson WE, et al. **Psychol Med** 1986 Aug;16(3):521–30

Sources of lithium resistance in mixed mania. Himmelhoch JM, et al. **Psychopharmacol Bull** 1986;22(3):613–20

Treatment of bulimia with lithium: a preliminary study. Hsu LK, et al. **Psychopharmacol Bull** 1987;23(1):45–8

Expressed emotion, affective style, lithium compliance, and relapse in recent onset mania. Miklowitz DJ, et al. **Psychopharmacol Bull** 1986;22(3):628–32

[Changes in ECG and serum electrolytes in lithium therapy] Wang HL.
Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1987 Feb; 20(1):56–8 (Eng. Abstr.) **(Chi)**

[The effect of oxyprothepine decanoate, lithium and cyproterone acetate on deviant sexual behavior] Bártová D, et al. **Cesk Psychiatr** 1986 Dec;82(6):355–60 (Eng. Abstr.) **(Cze)**

[Value of pinpointing mood swings in expanding the indications for lithium salts in schizophrenic psychosis] Capdeville C, et al. **Ann Med Psychol (Paris)** 1987 Jan; 145(1):78–82 **(Fre)**

[Current hypotheses on the mechanism of action of lithium] Wolf MA. **Can J Psychiatry** 1987 Mar;32(2):105–11 (Eng. Abstr.) **(Fre)**

[Laboratory monitoring of preventive treatment with lithium. Minimum requirements (editorial)] Schou M. **Encephale** 1986 Jul–Aug;12(4):137–8 **(Fre)**

[Combined preventive treatment of recurrent manic–depressive disease with lithium and carbamazepine or oxcarbazepine] Cabrera J, et al. **Nervenarzt** 1987 Apr; 58(4):245–9 **(Ger)**

[Objective studies on the differences in personality of monopolar and bipolar depressed patients treated with lithium] Czernik A, et al. **Nervenarzt** 1986 Sep;57(9):517–25 **(Ger)**

[Clinical trial of contemnol tablets (lithium retard Spofa)] König L, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Apr;39(4):230–3 (Eng. Abstr.) **(Ger)**

[Lithium-induced changes in interval personality in monopolar and bipolar depressed subgroups] Steinmeyer EM, et al. **Z Exp Angew Psychol** 1986;33(4):676–89 (Eng. Abstr.) **(Ger)**

[Effect of long-term lithium treatment on serotonin syndrome in rats] Yamawaki S, et al. **Yakubutsu Seishin Kodo** 1986 Jun;6(2):247–52 (Eng. Abstr.) **(Jpn)**

[Lithium treatment of dysthymic diseases in children and adolescents] Berbescu C.
Rev Med Interna [Neurol Psihiatr] 1986 Jul–Sep; 31(3):219–26 (Eng. Abstr.) **(Rum)**

[Prophylactic effects of sodium oxybutyrate and lithium oxybutyrate on stress-induced depression of the activity of normal killers in mice] Kryzhanovskiĭ GN, et al.
Biull Eksp Biol Med 1986 Nov;102(11):592–3 (Eng. Abstr.) **(Rus)**

[Effect of lithium carbonate on the experimental post-radiation recovery of the blood system] Moroz BB, et al. **Gematol Transfuziol** 1986 Oct;31(10):25–9 (Eng. Abstr.) **(Rus)**

[Use of lithium hydroxybutyrate in plastic operations after mastectomy] Rozanov IB, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):33–6 (Eng. Abstr.) **(Rus)**

[Correction of neutropenia with lithium carbonate during the radiation treatment of lymphogranulomatosis patients] Il'in NV, et al. **Ter Arkh** 1986;58(9):65–7 (Eng. Abstr.) **(Rus)**

[Effect of lithium carbonate on the lymphocytes of epileptics] Khudgarian MV, et al. **Zh Nevropatol Psikhiatr** 1987; 87(6):863–6 (Eng. Abstr.) **(Rus)**

TOXICITY

Interstitial focal fibrosis and reduction in proximal tubular length in adult rats after lithium treatment. Ottosen PD, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1986 Nov; 94(6):401–3

Renal function and lithium [letter] Johnson G.
Am J Psychiatry 1987 Jun;144(6):822–3

Preexposure and extinction effects of lithium chloride induced taste-potentiated aversions for spatially contiguous auditory food cues in rats. Ellins SR, et al.
Behav Neurosci 1987 Apr;101(2):164–9

Aberrant parenting and delayed offspring development in rats exposed to lithium. Sechzer JA, et al.
Biol Psychiatry 1986 Nov;21(13):1258–66

The use of sodium and potassium to reduce toxicity and toxic side effects from lithium. Cater RE. **Med Hypotheses** 1986 Aug;20(4):359–83

Embryotoxicity and teratogenicity of lithium carbonate in Wistar rat. Marathe MR, et al. **Toxicol Lett** 1986 Nov; 34(1):115–20

Effect of pre and postnatal lithium chloride ingestion on the developing mouse. Messiha FS. **Vet Hum Toxicol** 1986 Dec; 28(6):554–6

URINE

Lack of effect of non-steroid antiinflammatory drugs on lithium clearance and on delivery of tubular fluid to the loop of Henle in rats. Lassen E, et al.
Acta Pharmacol Toxicol (Copenh) 1986 Nov;59(5):377–81

LITHOCHOLATE see **LITHOCHOLIC ACID**

LITHOCHOLIC ACID

Reaffirmation of the validity of enzymatic cleavage of lithocholic acid from N-epsilon-lithocholyl-L-lysine and N-alpha-CBZ-N-epsilon-lithocholyl-L-lysine. Nair PP, et al. **J Lipid Res** 1986 Aug;27(8):905–9

ANALOGS & DERIVATIVES

Effect of endotoxin tolerance on drug hepatotoxicity: amelioration of taurolithocholate cholestasis in the perfused rat liver. Utili R, et al. **Digestion** 1987;36(2):74–80

Metabolism of 24-norlithocholic acid in the rat: formation of hydroxyl- and carboxyl-linked glucuronides and effect on bile flow. Shattuck KE, et al. **Hepatology** 1986 Sep–Oct; 6(5):869–73

Evidence for an ordered reaction mechanism for bile salt: 3'phosphoadenosine-5'-phosphosulfate: sulfotransferase from rhesus monkey liver that catalyzes the sulfation of the hepatotoxin glycolithocholate. Barnes S, et al.
J Lipid Res 1986 Nov;27(11):1111–23

Reaffirmation of the validity of enzymatic cleavage of lithocholic acid from N-epsilon-lithocholyl-L-lysine and N-alpha-CBZ-N-epsilon-lithocholyl-L-lysine. Nair PP, et al. **J Lipid Res** 1986 Aug;27(8):905–9

High pressure liquid chromatographic analysis of conjugated bile acids in human bile: simultaneous resolution of sulfated and unsulfated lithocholyl amidates and the common conjugated bile acids. Rossi SS, et al. **J Lipid Res** 1987 May;28(5):589–95

Reduced cholestatic potency of taurolithocholate during backward perfusion of the rat liver. Baumgartner U, et al. **Lab Invest** 1987 Jun;56(6):576–82

Effect of chronic administration of taurolithocholate on bile formation and liver ultrastructure in the rat. Gratton F, et al. **Liver** 1987 Jun;7(3):130–7

The interaction of rifamycin-SV with the hepatic transport and sulfation of taurolithocolic acid in rats. Bonazzi P, et al. **Pharmacol Res Commun** 1986 Aug;18(8):675–85

ANALYSIS

The importance of the ratio of lithocholic to deoxycholic acid in large bowel carcinogenesis. Owen RW, et al.
Nutr Cancer 1987;9(2–3):67–71 (27 ref.)

METABOLISM

Bile acid metabolism during development: metabolism of lithocholic acid in human fetal liver. Gustafsson J, et al.
Pediatr Res 1987 Jan;21(1):99–103

TOXICITY

Characterization of the effects induced on DNA in mouse and hamster cells by lithocholic acid. Russo P, et al.
Cancer Res 1987 Jun 1;47(11):2866–74

LITHOLAPAXY see **LITHOTRIPSY**

LITHOTRIPSY

Sonographic evaluation of renal stones treated by extracorporeal shock-wave lithotripsy. Baumgartner BR, et al. **AJR** 1987 Jul;149(1):131–5

Treatment of retained cystic duct stones using extracorporeal shockwave lithotripsy. Becker CD, et al. **AJR** 1987 Jun; 148(6):1121–2

The promise of extracorporeal shock-wave lithotripsy for the treatment of gallstones. Burhenne HJ. **AJR** 1987 Aug; 149(2):233–5

Biliary lithotripsy: what will the issues be? Ferrucci JT. **AJR** 1987 Aug;149(2):227–31 (24 ref.)

Interstitial emphysema associated with epidural anesthesia for extracorporeal shock-wave lithotripsy. Roberts MC, et al. **AJR** 1987 Feb;148(2):301–4

Pharmaceutical services in an extracorporeal shock wave lithotripsy center. Robinson SN, et al.
Am J Hosp Pharm 1987 Apr;44(4):799–802

Anaesthesia for extracorporeal shock wave lithotripsy [letter] Seed RF, et al. **Anaesthesia** 1986 Nov;41(11):1154

Hemodynamic responses associated with lithotripsy. Behnia R, et al. **Anesth Analg** 1987 Apr,66(4):354–6

Repeated epidural anesthesia for extracorporeal shock-wave lithotripsy is unreliable. Korbon GA, et al.
Anesth Analg 1987 Jul;66(7):669–72

Intercostal blocks with local infiltration anesthesia for extracorporeal shock wave lithotripsy. Malhotra V, et al. **Anesth Analg** 1987 Jan;66(1):85–8

High frequency positive pressure ventilation during general anesthesia for extracorporeal shock wave lithotripsy. Perel A, et al. **Anesth Analg** 1986 Nov;65(11):1231–4

Accidental hyperthermia as a complication of extracorporeal shock-wave lithotripsy under general anesthesia. Higgins TL, et al. **Anesthesiology** 1987 Mar;66(3):389–91

The use of extracorporeal shock wave lithotripsy in aviators. Paletta MJ. **Aviat Space Environ Med** 1987 Mar;58(3):260–2

Combination of percutaneous surgery and extracorporeal shockwave lithotripsy for the treatment of large renal calculi. Dickinson IK, et al. **Br J Urol** 1986 Dec;58(6):581–4

Report on the first 1000 patients treated at St Thomas' Hospital by extracorporeal shockwave lithotripsy. Palfrey EL, et al. **Br J Urol** 1986 Dec;58(6):573–7

The treatment of uric acid calculi with extracorporeal shock wave lithotripsy. Royce PL, et al. **Br J Urol** 1987 Jul; 60(1):6–9

Extracorporeal shock wave lithotripsy in the treatment of patients with renal stones. Report of 50 patients. He SX, et al. **Chin Med J [Engl]** 1986 Aug;99(8):615–8

Combination therapy of steroids and immunoglobulin in chronic refractory idiopathic thrombocytopenic purpura (ITP) enabling renal stone fragmentation by lithotripsy. Duncombe AS, et al. **Clin Lab Haematol** 1986;8(4):315–9

Percutaneous lithotripsy. Segura JW. **Compr Ther** 1986 Dec; 12(12):7–12

Radionuclide evaluation pre- and post-extracorporeal shock wave lithotripsy for renal calculi. Bomanji J, et al.
Contrib Nephrol 1987;56:256–60

Shock waves lithotripsy. Di Silverio F, et al.
Contrib Nephrol 1987;55:94–101

Renal morphology and function before and after shock wave lithotripsy at 1.5 T with gadolinium-DTPA. Foerster EC, et al. **Contrib Nephrol** 1987;56:135–40

Transcholecystic endoscopic choledocholithotripsy: successful management of retained common bile duct stone. Hwang MH, et al. **Endoscopy** 1987 Jan;19(1):24–7

Efficacy of in situ extracorporeal shock wave lithotripsy for upper ureteral calculi. Rassweiler J, et al. **Eur Urol** 1986; 12(6):377–86

Electrohydraulic lithotripsy of gall stones—in vitro and animal studies. Harrison J, et al. **Gut** 1987 Mar;28(3):267–71

Extracorporeal shock wave lithotripsy. Yarbrough WJ.
Hawaii Med J 1987 Jan;46(1):10–1

Renal and ureteral calculi: current management. Scott JW, et al. **Indiana Med** 1987 May;80(5):450–5

Extracorporeal shock wave lithotripsy (ESWL). Drago JR, et al. **Int Surg** 1987 Jan–Mar;72(1):48–50

Shock-wave treatment for stones in the kidney and ureter. The Jerusalem experience. Pode D, et al.
Isr J Med Sci 1987 Apr;23(4):243–8

Radionuclide evaluation pre- and postextracorporeal shock wave lithotripsy for renal calculi. Bomanji J, et al.
J Nucl Med 1987 Aug;28(8):1284–9

Extracorporeal shock wave lithotripsy and percutaneous nephrolithotomy in children. Boddy SA, et al.
J Pediatr Surg 1987 Mar;22(3):223–7

Development of a service for extracorporeal shock wave lithotripsy of upper urinary tract stones in Scotland. Tolley DA. **J R Coll Surg Edinb** 1986 Aug;31(4):229–32

Sonographic evaluation of the kidney following extracorporeal shock wave lithotripsy. Kaude JV, et al.
J Ultrasound Med 1987 Jun;6(6):299–306

The treatment of 100 consecutive patients with ureteral calculi in a British stone center. Coptcoat MJ, et al.
J Urol 1987 Jun;137(6):1122–3

Extracorporeal shock wave lithotripsy and blood clotting defects [letter] Economacos G, et al. **J Urol** 1987 Sep; 138(3):630

Purchase of extracorporeal lithotriptor [letter] Horan AH. **J Urol** 1987 Jul;138(1):156

Efficacy of glucagon in the relief of ureteral colic following treatment by extracorporeal shock wave lithotripsy: a randomized double-blind trial. Kahnoski RJ, et al.
J Urol 1987 Jun;137(6):1124–5

Morphology of urinary stone particles resulting from ESWL treatment. Khan SR, et al. **J Urol** 1986 Dec;136(6):1367–72

Extracorporeal shock wave lithotripsy in children. Kramolowsky EV, et al. **J Urol** 1987 May;137(5):939–41

Extracorporeal shock wave lithotripsy in patients with a solitary kidney. Kulb TB, et al. **J Urol** 1986 Oct; 136(4):786–8

Use of local anesthesia for extracorporeal shock wave lithotripsy. Loening S, et al. **J Urol** 1987 Apr;137(4):626–8

Calcification of ureteral stent treated by extracorporeal shock wave lithotripsy. Lupu AN, et al. **J Urol** 1986 Dec; 136(6):1297–8

Hazardous sound levels produced by extracorporeal shock wave lithotripsy. Lusk RP, et al. **J Urol** 1987 Jun; 137(6):1113–4

Inadvertent fracture of gallstones during extracorporeal shock wave lithotripsy. Michaels EK, et al. **J Urol** 1986 Dec;136(6):1285–6

Hemophilia and extracorporeal shock wave lithotripsy: a case report. Partney KL, et al. **J Urol** 1987 Aug;138(2):393–4

Radiation exposure to patients during extracorporeal shock wave lithotripsy. Van Swearingen FL, et al. **J Urol** 1987 Jul;138(1):18–20

An assessment of the pulsed dye laser for fragmenting calculi in the pig ureter. Watson G, et al. **J Urol** 1987 Jul; 138(1):199–202

Biliary, as well as urinary, calculi become the targets of new, improved shock wave lithotripsy [news] Goldsmith MF. **JAMA** 1987 Sep 11;258(10):1282–3, 1285

ESWL now possible for patients with pacemakers [news] Goldsmith MF. **JAMA** 1987 Sep 11;258(10):1284

Extracorporeal lithotripsy of gallstones [letter] Ponchon T, et al. **Lancet** 1987 Aug 22;2(8556):448

Extracorporeal shock-wave lithotripsy. Initial Australian experience. Brooks AJ, et al. **Med J Aust** 1987 Apr 20; 146(8):424–5

Extracorporeal shock-wave lithotripsy [editorial] Maher PO.

Med J Aust 1986 Dec 1-15;145(11-12):559-60

Extracorporeal shockwave lithotripsy. Keeler LL, et al. **NJ Med** 1986 Sep;83(9):577-84

What's new in urology? [editorial] Zufall RB. **NJ Med** 1986 Sep;83(9):575

Endourology. Nocks BN. **NY State J Med** 1986 Oct; 86(10):510-1

Extracorporeal shock-wave lithotripsy. LeRoy AJ, et al. **Radiol Clin North Am** 1986 Dec;24(4):623-31

Extracorporeal shock wave lithotripsy: impact on the radiology department of a stone treatment center. Cochran ST, et al. **Radiology** 1987 Jun;163(3):655-9

Significant renal hemorrhage following extracorporeal shock wave lithotripsy: imaging and clinical features. Papanicolaou N, et al. **Radiology** 1987 Jun;163(3):661-4

Hypercalciuria and renal stones in a sarcoidosis patient treated by extracorporeal shockwave lithotripsy. Sharma OP, et al. **Sarcoidosis** 1986 Mar;3(1):7-9

Transurethral ureteroscopic extraction of stone from the ureter and renal pelvis. Toftgaard C, et al. **Scand J Urol Nephrol** 1987;21(1):43-5

Treatment of calculi in the upper ureter with extracorporeal shock wave lithotripsy. Riehle RA Jr, et al. **Surg Gynecol Obstet** 1987 Jan;164(1):1-8

Management of urolithiasis: an analysis of 1,293 lithotriptor procedures. Jantzen JP, et al. **Tex Med** 1986 Dec; 82(12):37-43

Practical aspects of outpatient extracorporeal shock-wave lithotripsy. Burns JR, et al. **Urol Clin North Am** 1987 Feb; 14(1):73-5

Extracorporeal shock-wave lithotripsy. Newman DM, et al. **Urol Clin North Am** 1987 Feb;14(1):63-71

Extracorporeal shock wave lithotripsy. Jocham D, et al. **Urol Int** 1986;41(5):357-68 (28 ref.)

Percutaneous litholapaxy. Korth K, et al. **Urol Int** 1986; 41(5):375-84

Development and application of confined blasting for bladder and kidney stones. Watanabe H, et al. **Urol Int** 1987; 42(1):23-9

Endotoxemia and bacteremia in patients following ultrasonic lithotripsy. Tanaka M, et al. **Urol Res** 1987;15(1):45-7

Outpatient extracorporeal shock-wave lithotripsy. Breaux E, et al. **Urology** 1987 Feb;29(2):131-3

Percutaneous nephrolithotripsy in horseshoe kidney [letter] Dittrich A, et al. **Urology** 1987 Jan;29(1):115-6

ESWL: a look from different angles. Ellis DS, et al. **Urology** 1987 Mar;29(3):247-9

Ambulatory extracorporeal shockwave lithotripsy. Nisonson I, et al. **Urology** 1986 Nov;28(5):381-4

Management of bladder stones: should transurethral prostatic resection be performed in combination with cystolitholapaxy? Nseyo UO, et al. **Urology** 1987 Mar; 29(3):265-7

The unbreakable stone? Plawner J, et al. **Urology** 1987 Apr; 29(4):400-1

Ureteroscopy in management of ureteral calculi. Politis G, et al. **Urology** 1987 Jul;30(1):39-42

The unbreakable stone [letter] Powers BC. **Urology** 1987 Aug;30(2):189

Impact of shockwave lithotripsy on upper urinary tract calculi. Riehle RA Jr, et al. **Urology** 1986 Oct;28(4):261-9

Percutaneous technique to remove calcified ureteral stents. Sujka SK, et al. **Urology** 1987 May;29(5):557

Results and morbidity of percutaneous nephrolithotripsy. Weinerth JL, et al. **Urology** 1987 May;29(5):526-30

Visual internal urethrotome for incision of dense perirenal scar tissue during percutaneous stone removal. Woodside JR, et al. **Urology** 1987 Sep;30(3):272

[Our experience with extracorporeal lithotripsy] Kumanov Kh, et al. **Khirurgiia (Sofiia)** 1987;40(2):22-5 **(Bul)**

[Anesthesia for extracorporeal shock wave lithotripsy (ESWL)] Leung HK, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Sep;24(3):201-4 (Eng. Abstr.) **(Chi)**

[Endoscopic mechanical crushing of calculi in the common bile duct] Halver B. **Ugeskr Laeger** 1986 Dec 1; 148(49):3306-8 (Eng. Abstr.) **(Dan)**

[Thoracic epidural anesthesia for extracorporeal lithotripsy. Comparison of 4 anesthetic solutions] Clément P, et al. **Ann Fr Anesth Reanim** 1987;6(3):173-7 (Eng. Abstr.) **(Fre)**

[Lipids in the urine after extracorporeal shockwave lithotripsy] Thomas J, et al. **Ann Urol (Paris)** 1986; 20(5):349-52 (Eng. Abstr.) **(Fre)**

[The Bichat Urologic Seminar. Paris, 19 October 1985. Indications for percutaneous surgery of the kidney in the face of the development of extra-corporeal lithotripsy and ureteroscopy] **J Urol (Paris)** 1986;92(3):183-211 **(Fre)**

[Extracorporeal lithotripsy by shock waves. Initial results (322 cases)] Martin X, et al. **J Urol (Paris)** 1986; 92(3):177-81 (Eng. Abstr.) **(Fre)**

[Possibilities and limits of ultrasound manipulation-removal of bone cements] Weber U, et al. **Aktuel Probl Chir Orthop** 1987;31:347-9 **(Ger)**

[Initial experience with preorally administered dipotassium clorazepate and tilidine-naloxone in extracorporeal shockwave lithotripsy] Hankemeier U, et al. **Anaesthesist** 1986 Dec;35(12):757-9 (Eng. Abstr.) **(Ger)**

[Comparative studies of the postoperative phase following opioid analgesia using fentanyl and alfentanil within the scope of extracorporeal shockwave lithotripsy] Schockenhoff B, et al. **Anaesthesist** 1987 Feb;36(2):69-72 (Eng. Abstr.) **(Ger)**

[Intraoperative, endoscopic lithotripsy of pancreatic duct calculi. A contribution to the surgical treatment of chronic calcifying pancreatitis] Schildberg FW, et al. **Chirurg** 1987 Apr;58(4):239-42 (Eng. Abstr.) **(Ger)**

[Shockwave Lithotripsy of gallbladder stones (letter)] Greiner L, et al. **Dtsch Med Wochenschr** 1987 Feb 6;112(6):238-9 **(Ger)**

[Extracorporeal shockwave lithotripsy and lymph node calcification] Higashihara E, et al. **Dtsch Med Wochenschr** 1987 May 8;112(19):763-4 (Eng. Abstr.) **(Ger)**

[Extracorporeal shockwave lithotripsy of kidney and ureteral stones] Jocham D, et al. **Dtsch Med Wochenschr** 1987 Jan 16;112(3):85-6 **(Ger)**

[Extracorporeal shockwave lithotripsy--what type of anesthesia?] Dimai W, et al. **Schweiz Med Wochenschr** 1987 Mar 21;117(12):442-4 (Eng. Abstr.) **(Ger)**

[Extracorporeal shockwave lithotripsy: experience with 1000 treatments] Zehntner C, et al. **Schweiz Med Wochenschr** 1987 Mar 14;117(11):383-90 (Eng. Abstr.) **(Ger)**

[Extracorporeal shock wave lithotripsy of a deep calculus of the ureter] Miller K, et al. **Urologe [A]** 1987 Jan; 26(1):36-7 (Eng. Abstr.) **(Ger)**

[Anesthesiologic aspects of extracorporeal shockwave lithotripsy (ESWL)] Schockenhoff B, et al. **Urologe [A]** 1986 Nov;25(6):338-42 (Eng. Abstr.) **(Ger)**

[Shock wave lithotripsy of the kidney and gallbladder] Brendel W. **Verh Dtsch Ges Inn Med** 1986;92:168-74 **(Ger)**

[Endoscopic lithotripsy of gallstones] Bethge N, et al. **Z Gastroenterol** 1987 Feb;25(2):119-23 (Eng. Abstr.) **(Ger)**

[Fragmentation of gallbladder calculi by extracorporeal-induced shockwaves] Brendel W, et al. **Z Gastroenterol** 1987 Mar;25 Suppl 2:22-6 **(Ger)**

[Our experience with percutaneous nephrolithotomy] Servadio C, et al. **Harefuah** 1987 Jan 1;112(1):29-32 **(Heb)**

[Percutaneous nephrolithotomy and ultrasonic lithotripsy in patients with horseshoe kidney (analysis of 4 cases)] Holman E, et al. **Orv Hetil** 1986 Dec 7;127(49):2989-91 (Eng. Abstr.) **(Hun)**

[Removal of bladder and urethral calculi by ultrasonic lithotripsy] Tóth C, et al. **Orv Hetil** 1986 Nov 30; 127(48):2925-6 (Eng. Abstr.) **(Hun)**

[The treatment of staghorn calculi with an extracorporeal shock wave lithotripter, a percutaneous nephrolithotripter and chemolysis] Higashihara E, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep;77(9):1416-20 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of kidney stones today] Karlsen S, et al. **Nord Med** 1987;102(5):154-6 (Eng. Abstr.) **(Nor)**

[Extracorporeal shock waves. A new alternative in the treatment of bile duct stones] Ruud TE, et al. **Tidsskr Nor Laegeforen** 1987 May 10;107(13):1134-6 (Eng. Abstr.) **(Nor)**

[Transcutaneous removal of renal and ureteral calculi] Martov AG. **Urol Nefrol (Mosk)** 1987 Jan-Feb;(1):59-66 (136 ref.) **(Rus)**

[Percutaneous litholapaxy as a part of percutaneous surgery of the kidneys] Kotula V, et al. **Rozhl Chir** 1986 Nov; 65(11):714-9 (Eng. Abstr.) **(Slo)**

[Extracorporeal lithotripsy using shock waves. Our experience in the first 1000 patients] Ruiz Marcellán FJ, et al. **Actas Urol Esp** 1987 Mar-Apr;11(2):120-7 (Eng. Abstr.) **(Spa)**

[Shock-wave extracorporeal lithotripsy. Its role in the treatment of coralliform lithiasis] Eisenberger F, et al. **Arch Esp Urol** 1986 Sep;39 Suppl 2:181-95 (Eng. Abstr.) **(Spa)**

[Percutaneous ultrasonic nephrolithotomy. Fragmentation aspects] García Cuerpo E, et al. **Arch Esp Urol** 1986 Sep; 39 Suppl 2:143-54 (Eng. Abstr.) **(Spa)**

[Percutaneous nephrolithotomy: results in 183 cases of renal and ureteral calculi] Hidalgo L, et al. **Arch Esp Urol** 1987 Apr;40(3):181-90 (Eng. Abstr.) **(Spa)**

[New therapeutic possibilities in coralliform lithiasis: shockwave lithotripsy] Ruiz Marcellán FJ, et al. **Arch Esp Urol** 1986 Sep;39 Suppl 2:196-204 (Eng. Abstr.) **(Spa)**

[Intra-ureteral disintegration of calculi with ultrasonics] Stackl W, et al. **Arch Esp Urol** 1986 Sep;39 Suppl 1:40-8 (Eng. Abstr.) **(Spa)**

[Single or combined use of dissolution therapy with biliary acids, sphincterotomy and extracorporeal shock waves. Is this the end of the surgical treatment of uncomplicated radiolucent biliary lithiasis?] Bonet M, et al. **Med Clin (Barc)** 1987 Jan 31;88(4):150-3 **(Spa)**

ADVERSE EFFECTS

Hyperthermia and hypothermia as complications of extracorporeal shock wave lithotripsy [letter] Malhotra V. **Anesthesiology** 1987 Sep;67(3):448

Supraventricular tachycardia associated with extracorporeal shock wave lithotripsy. Walts LF, et al. **Anesthesiology** 1986 Nov;65(5):521-3

Endocarditis after lithotripsy [letter] Kroneman OC 3d, et al. **Ann Intern Med** 1987 May;106(5):777

Extracorporeal shock-wave iithotripsy and prophylaxis for endocarditis [letter] Matlow AG, et al. **Ann Intern Med** 1986 Dec;105(6):966-7

The complications of extracorporeal shockwave lithotripsy: management and prevention. Coptcoat MJ, et al. **Br J Urol** 1986 Dec;58(6):578-80

Ureteroscopic electrohydraulic lithotripsy: a further precaution. Goble NM, et al. **Br J Urol** 1987 May;59(5):488

Side effects of extracorporeal shock-wave exposure in patients treated by extracorporeal shock-wave lithotripsy for upper urinary tract stone. Kishimoto T, et al. **Eur Urol** 1986;12(5):308-13

Ureteropelvic junction obstruction after percutaneous nephrolithotripsy. Green DF, et al. **J Urol** 1987 Sep; 138(3):599-602

Silent renal obstruction with severe functional loss after extracorporeal shock wave lithotripsy: a report of 2 cases. Hardy MR, et al. **J Urol** 1987 Jan;137(1):91-2

Comparison of results and morbidity of percutaneous nephrostolithotomy and extracorporeal shock wave lithotripsy. Lingeman JE, et al. **J Urol** 1987 Sep; 138(3):485-90

Kidney changes after extracorporeal shock wave lithotripsy: appearance on MR imaging. Baumgartner BR, et al. **Radiology** 1987 May;163(2):531-4

Renal obstruction from persistent struvite stone matrix: a complication of extracorporeal shock wave lithotripsy. LaBerge JM, et al. **Radiology** 1987 May;163(2):535-6

Percutaneous nephrostolithotomy and lithotripsy: a multi-institutional survey of complications. Lang EK. **Radiology** 1987 Jan;162(1 Pt 1):25-30

Kidney changes after extracorporeal shock wave lithotripsy: CT evaluation. Rubin JI, et al. **Radiology** 1987 Jan;162(1 Pt 1):21-4

Extracorporeal shock wave lithotripsy: interventional radiologic solutions to associated problems. Tegtmeyer CJ, et al. **Radiology** 1986 Dec;161(3):587-92

Biological effects of shock waves: lung hemorrhage by shock waves in dogs--pressure dependence. Delius M, et al. **Ultrasound Med Biol** 1987 Feb;13(2):61-7

Initial experience with local anesthesia in extracorporeal shock wave lithotripsy. Aeikens B, et al. **Urol Int** 1986; 41(4):246-7

The effects of extracorporeal shock wave lithotripsy on urological prostheses and endoprostheses. McNicholas TA, et al. **Urol Res** 1986;14(6):309-13

Case profile: pseudoureterocele following ESWL. Cos LR. **Urology** 1987 Sep;30(3):287

Contralateral retroperitoneal hematoma secondary to percutaneous ultrasonic lithotripsy. Farha GJ, et al. **Urology** 1987 Jun;29(6):621-2

Extracorporeal shock-wave lithotripsy (ESWL)-induced erosions in upper gastrointestinal tract. Prospective study in 40 patients. Al Karawi MA, et al. **Urology** 1987 Sep; 30(3):224-7

Pathologic effects of ESWL on canine renal tissue. Newman R, et al. **Urology** 1987 Feb;29(2):194-200

Effect of ESWL on canine spinal cord [letter] Newman RC, et al. **Urology** 1987 Jan;29(1):116

[Evaluation by scanner of the potential traumatic effect on the kidney caused by extracorporeal shockwave lithotripsy (letter)] Blangy S, et al. **Presse Med** 1987 May 2; 16(16):779-80 **(Fre)**

[Obstruction of the ureter after extracorporeal lithotripsy in cases of a single kidney (letter)] Dimopoulos C, et al. **Presse Med** 1987 Jun 27;16(25):1246 **(Fre)**

[Obstruction of the excretory ducts after extracorporeal lithotripsy (letter)] Soubielle C, et al. **Presse Med** 1986 Sep 20;15(30):1424-5 **(Fre)**

[Perirenal hematoma secondary to extracorporeal shockwave lithotripsy (letter)] Domingo P, et al. **Med Clin (Barc)** 1986 Oct 11;87(11):479-80 **(Spa)**

ECONOMICS

Economic evaluation of extracorporeal shock wave lithotripsy, percutaneous ultrasonic lithotripsy, and standard surgical treatment of urolithiasis--a Canadian perspective. Labelle RJ, et al. **Clin Invest Med** 1987 Mar; 10(2):86-95

Work loss cost factor and the comparison of treatment regime for kidney stones [letter] Birch S. **Community Med** 1987 Feb;9(1):96

An investment appraisal of alternative technologies (lithotripsy etc.) [letter] Jones JJ. **Community Med** 1987 Feb;9(1):96

Cost analysis of extracorporeal shock wave lithotripsy relative to other surgical and nonsurgical treatment alternatives for urolithiasis. Lingeman JE, et al. **Med Care** 1986 Dec;24(12):1151-60

INSTRUMENTATION

A percussion lithotripter. Oselladore D, et al. **Endoscopy** 1986 Nov;18(6):235-7

The continuing direct assault on the gallstone: enlightening, electrifying, and shocking. Raskin JB. **Gastrointest Endosc** 1987 Jun;33(3):262-3

Evaluation of electrohydraulic lithotripsy as a means of gallstone fragmentation in a canine model. Sievert CE Jr, et al. **Gastrointest Endosc** 1987 Jun;33(3):233-5

Marketing approval for the lithotripter. Nightingale SL, et al. **Isr J Med Sci** 1986 Jul-Aug;22(7-8):519-23

The destruction of renal calculi by external shock-waves: practical operation and initial results with the Dornier lithotripter. Coleman AJ, et al. **J Med Eng Technol** 1987 Jan-Feb;11(1):4-10

New generation shock wave lithotripsy. Wilbert DM, et al. **J Urol** 1987 Sep;138(3):563–5
Focusing of shock–waves in the Dornier lithotripter. Coleman AJ, et al. **Ultrasound Med Biol** 1987 Jan; 13(1):L25–9
Acoustic cavitation generated by an extracorporeal shockwave lithotripter. Coleman AJ, et al. **Ultrasound Med Biol** 1987 Feb;13(2):69–76
Transurethral ultrasonic ureterolithotripsy using a solid–wire probe. Chaussy C, et al. **Urology** 1987 May;29(5):531–2
Physical characteristics of Dornier extracorporeal shock–wave lithotriptor. Saunders JE, et al. **Urology** 1987 May;29(5):506–9
[Recommendation of the Public Health Council on the number of kidney lithotriptors in the Netherlands] de Voogt HJ. **Ned Tijdschr Geneeskd** 1987 Feb 28; 131(9):348–9 (Eng. Abstr.) **(Dut)**
[Extracorporeal piezoelectric lithotripsy by ultra–short waves using the EDAP LT01 device] Vallancien G, et al. **Ann Urol (Paris)** 1987;21(2):81–9 (Eng. Abstr.) **(Fre)**
[Ultrashort impulse extracorporeal lithotripsy. 1st clinical applications of the lithotriptor (letter)] Thibault P, et al. **Presse Med** 1986 Jul 5–12;15(27):1283–4 **(Fre)**
[Laser–induced shockwave lithotripsy] Hofstetter A. **Dtsch Med Wochenschr** 1987 Jul 31;112(31–32):1195–6 **(Ger)**
[Lithotripsy of urinary calculi with laser–induced shock waves] Hofstetter A, et al. **Fortschr Med** 1986 Sep 18; 104(35):654–6 (Eng. Abstr.) **(Ger)**
[New lithotripter without a tub] Schwing C. **Fortschr Med** 1986 Sep 25;104(36):58 **(Ger)**
[Painless extra–corporal shock wave lithotripsy using the HM3 Dornier lithotripter] Fischer N, et al. **Urologe [A]** 1987 Jan;26(1):29–32 (Eng. Abstr.) **(Ger)**
[Extra–corporal shock wave lithotripsy using the HM3 Dornier lithotripter with a modified shock wave generator. Initial clinical reports of experiences] Muschter R, et al. **Urologe [A]** 1987 Jan;26(1):33–5 (Eng. Abstr.) **(Ger)**
[Disintegration of kidney calculi by piezoelectrically generated high–energy sound waves. Physical principles and experimental studies] Riedlinger R, et al. **Urologe [A]** 1986 Jul;25(4):188–92 (Eng. Abstr.) **(Ger)**
[Nuclear medicine assessment of renal function in beagles before and after extracorporeal percutaneous lithotripsy with a piezoelectric instrument system] Stoll HP, et al. **Urologe [A]** 1987 Jul;26(4):222–8 (Eng. Abstr.) **(Ger)**
[Disintegration of kidney calculi with a piezoelectric instrument system. Initial clinical experiences] Ziegler M, et al. **Urologe [A]** 1986 Jul;25(4):193–7 (Eng. Abstr.) **(Ger)**
[Lithotripsy in the bile ducts: a method for endoscopic removal of large–sized bile duct calculi] Domján L, et al. **Orv Hetil** 1987 Mar 15;128(11):571–2, 575 (Eng. Abstr.) **(Hun)**
[Studies on the application of microexplosion to medicine and biology. IX. The pressure profile of blast wave in buffer liquid by detonation of a lead azide charging chamber] Kondoh K. **Nippon Hinyokika Gakkai Zasshi** 1986 Nov; 77(11):1716–25 (Eng. Abstr.) **(Jpn)**
[Technic and usefulness of percutaneous transhepatic choledocholithotripsy (PTCL) using a flexible forceps] Tamura K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Oct 25;46(10):1174–83 (Eng. Abstr.) **(Jpn)**
[Contactless method of crushing kidney and ureteral stones (experimental research)] Shevtsov IP, et al. **Voen Med Zh** 1986 Nov;(11):22–4 **(Rus)**

METHODS

Choledocholithiasis: successful treatment with extracorporeal lithotripsy. Gelfand DW, et al. **AJR** 1987 Jun;148(6):1114–6
Principles and application of extracorporeal shock wave lithotripsy. Robinson SN, et al. **Am J Hosp Pharm** 1987 Apr;44(4):805–10
Failure of high frequency jet ventilation to ventilate patients adequately during extracorporeal shock–wave lithotripsy. Berger JJ, et al. **Anesth Analg** 1987 Mar;66(3):262–3
Extracorporeal shock–wave lithotripsy of gallstones without general anesthesia: first clinical experience. Sackmann M, et al. **Ann Intern Med** 1987 Sep;107(3):347–8
Lithotripsy in the treatment of urinary calculi. Webb DR. **Aust Fam Physician** 1986 Dec;15(12):1567–70, 1572–3
Percutaneous nephrolithotomy. A study of 171 patients. Bapat SS. **Br J Urol** 1986 Dec;58(6):585–7
Ultrasound stone localisation for extracorporeal shock wave lithotripsy. Martin X, et al. **Br J Urol** 1986 Aug; 58(4):349–52
Extracorporeal lithotripsy and endourology: new aspects of treatment. Raney AM. **Del Med J** 1987 Jun;59(6):383–6
Experimental investigation of neodymium–YAG laser induced shock waves for lithotripsy. Frank F, et al. **Eur Urol** 1986;12 Suppl 1:54–7
Use of internal polyethylene ureteral stents in extracorporeal shock–wave lithotripsy of staghorn calculi. Pode D, et al. **Eur Urol** 1987;13(3):174–5
A novel and non–invasive method for the removal of salivary gland stones. Marmary Y. **Int J Oral Maxillofac Surg** 1986 Oct;15(5):585–7
Extracorporeal shock wave lithotripsy for the treatment of urinary calculi in the elderly. Kramolowsky EV, et al. **J Am Geriatr Soc** 1987 Mar;35(3):251–4
Percutaneous nephrolithotripsy in Lebanon. Tabet B, et al. **J Med Liban** 1986;36(4):165–70
Clinical application of extracorporeal shock wave lithotripsy using microexplosions. Kuwahara M, et al. **J Urol** 1987 May;137(5):837–40
The pulsed dye laser for fragmenting urinary calculi. Watson G, et al. **J Urol** 1987 Jul;138(1):195–8
Shock–wave lithotripsy of gallstones with second–generation device without conventional water bath [letter] Staritz M, et al. **Lancet** 1987 Jul 18;2(8551):155
Percutaneous nephrolithotomy of a staghorn calculus using an electrohydraulic lithotripter: a case study. Bushell EJ. **Radiography** 1986 Nov–Dec;52(606):261–4
Treatment of renal calculi with extracorporeal shockwave lithotripsy. Jenkins AD. **Surg Annu** 1987;19:123–33
New techniques for the elimination of upper tract urinary stones. Meacham RB, et al. **Tex Med** 1987 Jul;83(7):34–44
Extracorporeal shock–wave lithotripsy (ESWL) of pelvic kidney calculus. Use of C–arm fluoroscopy for correct patient positioning. Bush WH, et al. **Urology** 1987 Apr; 29(4):357–60
Exchange ureteral stent insertion using pullout suture after extracorporeal shock–wave lithotripsy. Campbell RJ, et al. **Urology** 1987 Jun;29(6):653–5
Endourologic approach to transplant kidney. Eshghi M, et al. **Urology** 1986 Dec;28(6):504–7
Radiologic technique to mark ureteral calculi for extracorporeal shock–wave lithotripsy. Hollowell JG, et al. **Urology** 1987 Aug;30(2):127–9
[Extracorporeal lithotripsy in the treatment of renal lithiasis. 5 years' experience] Chaussy C, et al. **J Urol (Paris)** 1986; 92(6):339–43 (Eng. Abstr.) **(Fre)**
[Transurethral ureterolithotripsy in the treatment of ureteral calculi] Papadopoulos I, et al. **Urologe [A]** 1986 Nov; 25(6):322–4 (Eng. Abstr.) **(Ger)**
[Percutaneous nephrolithotomy and ultrasonic lithotripsy in patients with horseshoe kidney (analysis of 4 cases)] Holman E, et al. **Orv Hetil** 1986 Dec 7;127(49):2989–91 (Eng. Abstr.) **(Hun)**
[Interventional ultrasound in percutaneous kidney surgery] Nádas G, et al. **Orv Hetil** 1987 Jun 28;128(26):1345–8 (Eng. Abstr.) **(Hun)**
[An experience of percutaneous nephro–ureterolithotomy] Ebisuno S, et al. **Hinyokika Kiyo** 1986 Aug;32(8):1099–104 (Eng. Abstr.) **(Jpn)**
[A case of recurrent stones in the urinary bladder after extensive panhysterectomy] Kitamura K, et al. **Hinyokika Kiyo** 1987 Feb;33(2):275–9 (Eng. Abstr.) **(Jpn)**
[Transurethral ureterolithotripsy (first report)] Tanahashi Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jul; 77(7):1082–8 (Eng. Abstr.) **(Jpn)**
[Percutaneous nephrostomy under ultrasound guidance as a prerequisite for percutaneous nephroureterolithotomy (PNL)] Miyaji H. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Jul 25; 46(7):906–18 (Eng. Abstr.) **(Jpn)**
[New technics in the therapy of urinary calculi] Higashihara E, et al. **Nippon Rinsho** 1986 Dec;44(12):2711–9 (20 ref.) **(Jpn)**
[Laser endoscopy: diagnosis and therapy. 8. Laser endoscopy lithotripsy of biliary tract calculi] Yamazaki Y, et al. **Nippon Rinsho** 1987 Apr;45(4):877–81 **(Jpn)**
[Transurethral endoscopic ureterolithotripsy] Simonov VIa, et al. **Urol Nefrol (Mosk)** 1987 May–Jun;(3):10–3 (Eng. Abstr.) **(Rus)**
[Noncontact disintegration of urinary calculi in an experiment] Panin AG, et al. **Vestn Khir** 1987 Jan; 138(1):85–6 **(Rus)**
[Fragmentation of calculi with lasers] Hofmann R. **Arch Esp Urol** 1986 Sep;39 Suppl 1:15–21 (Eng. Abstr.) **(Spa)**
[Renal calculus resistant to shock wave therapy] Rodríguez–Miñón Cifuentes JL, et al. **Arch Esp Urol** 1987 May;40(4):285–7 (Eng. Abstr.) **(Spa)**

STANDARDS

Lithotripter audit—a helping hand. **Aust Clin Rev** 1986 Sep; 6(22):169–71

TRENDS

Lithotripsy on wheels: a passing fad? Powills S. **Hospitals** 1987 Jun 20;61(12):114
Advances in management renal stones. Arnold EP. **NZ Med J** 1986 Dec 10;99(815):947–8

LITTER SIZE

The influence of prenatal and postnatal fraternity size on reproduction in mice. Kirkpatrick BW, et al. **Biol Reprod** 1987 May;36(4):907–14
Changes in the kinetics of follicular growth in response to selection for large litter size in mice. Spearow JL. **Biol Reprod** 1986 Dec;35(5):1175–86
Effects of litter age, litter size, and ambient temperature on the milk ejection reflex in lactating rats. Jans JE, et al. **Dev Psychobiol** 1987 May;20(3):333–44
Interactive environmental and genetic effects on longevity in the male rat: litter size, exercise, electric shocks and castration. Drori D, et al. **Exp Aging Res** 1986 Summer; 12(2):59–64
Factors that influence litter size in swine: parity 3 through 7 females. Clark LK, et al. **J Am Vet Med Assoc** 1987 Jul 1;191(1):49–58
Reproduction in Javanese sheep: evidence for a gene with large effect on ovulation rate and litter size. Bradford GE, et al. **J Anim Sci** 1986 Aug;63(2):418–31
Consequence of additional ova to variation in litter size in swine. Zimmerman DR. **J Anim Sci** 1972;34 Suppl 1:57–66 (52 ref.)
Litter parameters and spontaneous abnormalities in Himalayan rabbits. Lehmann H, et al. **Jikken Dobutsu** 1986 Jul;35(3):321–8
Diet and breeding performance in cats. Olovson SG. **Lab Anim** 1986 Jul;20(3):221–30
[Changes in reproductive function during chronic isolation and increases in the population density of rats with different typologic behavioral characteristics] Zukhar' AV. **Zh Vyssh Nerv Deiat** 1987 Mar–Apr;37(2):272–9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Estrous and litter traits in gilts altered by altrenogest, flushing and pubertal status. Davis DL, et al. **J Anim Sci** 1987 Apr; 64(4):1117–26
Increasing ovulation rate and lambing rate in sheep by treatment with a steroid enzyme inhibitor. Webb R. **J Reprod Fertil** 1987 Jan;79(1):231–40
Effect of a gonadotropin–releasing hormone analog injected in bulldog bitches at the time of mating [letter] Oettlé EE. **J S Afr Vet Assoc** 1986 Dec;57(4):250
Effect of exogenous progesterone and oestrone on litter size in swine. Sheridan PJ, et al. **Vet Rec** 1986 Sep 27; 119(13):322–4
[The effect of vitamin administration to sows during weaning on the weaning–estrus interval and on the number of live piglets in the next litter] Swinkels JW, et al. **Tijdschr Diergeneeskd** 1987 Feb 1;112(3):140–3 (Eng. Abstr.) **(Dut)**

RADIATION EFFECTS

Increased litter size in the rat x–irradiated during the estrous cycle before mating. Hahn EW, et al. **Science** 1967 Aug 25;157(3791):956–7

LITTLE'S DISEASE see **CEREBRAL PALSY**

LIVER

Intra–cholecystic ectopic liver. Natori T, et al. **Acta Pathol Jpn** 1986 Aug;36(8):1213–6
The frequency and histology of hepatic tissue in germ cell tumors. Nakashima N, et al. **Am J Surg Pathol** 1987 Sep; 11(9):682–92
Anatomy, function and aging in the mouse liver. Hollander CF, et al. **Arch Toxicol [Suppl]** 1987;10:244–50 (28 ref.)
Artificial liver. Matsushita M, et al. **Artif Organs** 1986 Oct; 10(5):378–84 (53 ref.)
Liver preservation techniques for transplantation. Toledo–Pereyra LH, et al. **Artif Organs** 1987 Jun; 11(3):214–23
A new method of hepatic preservation using pulsatile perfusion and allopurinol. Rizzuti RP, et al. **Curr Surg** 1986 Nov–Dec;43(6):492–4
Regional hyperthermia combined with blockade of the hepatic arterial blood flow by degradable starch microspheres in pigs. Akuta K, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb;13(2):239–42
Dielectric properties of beef, beef liver, chicken and salmon at frequencies from 100 to 2500 MHz. Tran VN, et al. **J Microw Power Electromagn Energy** 1987;22(1):29–33
Chilaiditi's syndrome in schizophrenic patients. Matsuo T, et al. **Jpn J Psychiatry Neurol** 1987 Mar;41(1):71–5
Evaluation of liver volume and liver function following hepatic resection in man. Zoli M, et al. **Liver** 1986 Oct; 6(5):286–91
Hybrid bioartificial liver in hepatic failure: preliminary clinical report. Matsumura KN, et al. **Surgery** 1987 Jan; 101(1):99–103
Failure to preserve liver allografts for 24 hours: experimental and theoretical considerations. Toledo–Pereyra LH, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):68–70
Therapeutic ultrasound and the liver in–vivo [letter] Pearson D. **Ultrasound Med Biol** 1987 Jun;13(6):L353–4
[21st meeting of the French Association for the Study of the Liver. Paris, France, 28 November 1986. Abstracts] **Gastroenterol Clin Biol** 1987 Jan;11(1):68–87 **(Fre)**
[Accumulation of contrast media in the liver during lymphography of the foot] Kerner U. **Radiol Diagn (Berl)** 1986;27(6):811–6 (Eng. Abstr.) **(Ger)**
[3d meeting of the German Association for the Study of the Liver. 30–31 January 1987, Hannover. Abstracts] **Z Gastroenterol** 1987 Jan;25(1):1–88 **(Ger)**
[Atypical position of the elements of the hepatoduodenal ligament in surgical practice] Przystasz T. **Wiad Lek** 1987 Jan 1;40(1):1–7 (Eng. Abstr.) **(Pol)**
[Novocaine block of the round ligament of the liver in treating acute pancreatitis] Borodin IF, et al. **Klin Khir** 1986;(11):49–50 **(Rus)**

ABNORMALITIES

The inferior accessory hepatic fissure: sonographic appearance. Lim JH, et al. **AJR** 1987 Sep;149(3):495–7
Renal–hepatic–pancreatic dysplasia: a syndrome

reconsidered. Bernstein J, et al. **Am J Med Genet** 1987 Feb;26(2):391–403

Supradiaphragmatic liver in the lung. Mendoza A, et al. **Arch Pathol Lab Med** 1986 Nov;110(11):1085–6

Age-related deficiency of the synthesis of platelet activating factor by leukocytes from Zellweger patients. Sturk A, et al. **Blood** 1987 Aug;70(2):460–3

Age-related accumulation of phytanic acid in plasma from patients with the cerebro-hepato-renal (Zellweger) syndrome. Wanders RJ, et al. **Clin Chim Acta** 1987 Jun 30;166(1):45–56

A case of bizarre liver form variation. Ugarković B, et al. **Clin Nucl Med** 1987 Jun;12(6):461–2

Hepatic and renal involvement in malformation syndromes. Bernstein J. **Mt Sinai J Med (NY)** 1986 Jun;53(6):421–8

Agenesis of the right lobe of the liver. Radin DR, et al. **Radiology** 1987 Sep;164(3):639–42

[Supernumerary hepatic lobe—instrumental and clinical research] Vlakhov I, et al. **Vutr Boles** 1986;25(5):83–5 **(Bul)**

ANALYSIS

Presence of aflatoxin B1 in human liver referred to as Reye's syndrome in Venezuela. Burguera JA. **Acta Cient Venez** 1986;37(3):325–6

Topogenesis of glycogen distribution pattern in post-natal rat liver in reference to the activity-rest cycle. Bhattacharya RD, et al. **Acta Histochem (Jena)** 1987; 81(1):59–70

Tissue copper content in primary and metastatic liver cancers. Haratake J, et al. **Acta Pathol Jpn** 1987 Feb; 37(2):231–8

The measurement of xylulose 5-phosphate, ribulose 5-phosphate, and combined sedoheptulose 7-phosphate and ribose 5-phosphate in liver tissue. Casazza JP, et al. **Anal Biochem** 1986 Dec;159(2):243–8

Production of monospecific antibodies to a low-abundance hepatic membrane protein using nitrocellulose immobilized protein as antigen. Chiles TC, et al. **Anal Biochem** 1987 May 15;163(1):136–42

Measurement of liver adenine nucleotides and S-adenosyl amino acids by one-step high-performance liquid chromatography. Gourdeau H, et al. **Anal Biochem** 1986 Oct;158(1):64–7

Effect of particle size of activated charcoal on separation of Triton X-100 from protein, liver cytosol, and lipoxygenase extracts. Marcus L, et al. **Anal Biochem** 1987 May 15;163(1):112–6

Measurement of free and esterified carnitine in tissue extracts by high-performance liquid chromatography. Takeyama N, et al. **Anal Biochem** 1986 Nov 1;158(2):346–54

Wet ashing in biological samples in a microwave oven under pressure using poly(tetrafluoroethylene) vessels. Aysola P, et al. **Anal Chem** 1987 Jun 1;59(11):1582–3

Selective separation of zinc from other elements on the amphoteric resin retardion 11A8 and its use for the determination of zinc in biological materials by neutron activation analysis. Dybczyński R, et al. **Analyst** 1987 Apr; 112(4):449–53

Evaluation of the stability of some elements during lyophilization of rat liver using atomic absorption spectrometry. Uchino E, et al. **Analyst** 1987 Mar; 112(3):291–3

Metallothionein levels in liver and kidney of Canadians—a potential indicator of environmental exposure to cadmium. Chung J, et al. **Arch Environ Health** 1986 Sep-Oct; 41(5):319–23

Immunological relationship among glycogen-protein complexes of different species. Sobiech KA, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(5–6):541–6

Uniformity of liver density and nonheme (storage) iron distribution. Overmoyer BA, et al. **Arch Pathol Lab Med** 1987 Jun;111(6):549–54

Correlation between hepatitis B core antigen in liver tissue and hepatitis B virus DNA in the serum of HBV-infection chronic carriers [letter] Sansonno DE, et al. **Arch Pathol Lab Med** 1987 Aug;111(8):689–90

Detection of hepatitis B virus DNA in the liver by in situ hybridization: methodological approach to improve sensitivity on formalin-fixed, paraffin-embedded material. Infantolino D, et al. **Basic Appl Histochem** 1987;31(2):207–9

A novel pool of rat liver inositol and ethanolamine phospholipids contains epoxyeicosatrienoic acids (EETs). Capdevila JH, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):638–44

In vivo 31P nuclear magnetic resonance studies of arsenite induced changes in hepatic phosphate levels. Chen B, et al. **Biochem Biophys Res Commun** 1986 Aug 29; 139(1):228–34

Antithrombin III mRNA in adult rat liver and kidney and in rat liver during development. D'Souza SE, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):417–21

Calcium-activated neutral protease inhibitor from rabbit erythrocytes lacks the N-terminal region of the liver inhibitor but retains three inhibitory units. Imajoh S, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):630–7

Detection of active oxygen in rat hepatocyte suspensions with the chemiluminigenic probe lucigenin. Kahl R, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):468–75

The hepatic galactosyl receptor system: two different ligand dissociation pathways are mediated by distinct receptor populations. Weigel PH, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):43–50

Composition and genetic variability of heparin-sepharose CL-6B protein fractions obtained from the solubilized proteins of mouse organs. Jungblut P, et al. **Biochem Genet** 1986 Dec;24(11–12):925–39

Identification of a phosphoprotein in the nuclear matrix by monoclonal antibodies. Halikowski MJ, et al. **Biochem J** 1987 Feb 1;241(3):693–7

Determination of arrangement of isoprene units in pig liver dolichol by 13C-n.m.r. spectroscopy. Tanaka Y, et al. **Biochem J** 1987 Apr 15;243(2):481–5

Membrane-bound 5'-nucleotidase inhibitor in Ehrlich ascites tumour cells and newborn mouse liver. Amruthesh SC, et al. **Biochim Biophys Acta** 1986 Oct 29;884(1):48–53

Seasonal variation in the form of iron in the liver of Spitsbergen reindeer: a Mössbauer spectroscopic study. Dickson DP, et al. **Biochim Biophys Acta** 1987 Jun 22; 924(3):442–6

Membrane lipid changes in erythrocytes, liver and kidney in acute and chronic experimental liver disease in rats. Kawata S, et al. **Biochim Biophys Acta** 1987 Jan 9; 896(1):26–34

Age-dependent regulation of glucocorticoid receptors in the liver of male rats. Sharma R, et al. **Biochim Biophys Acta** 1987 Sep 14;930(2):237–43

Changes in apolipoprotein A-I mRNA level in the liver of rats with experimental nephrotic syndrome. Tarugi P, et al. **Biochim Biophys Acta** 1986 Oct 16;868(1):51–61

Purification of nonspecific lipid transfer protein (sterol carrier protein 2) from human liver and its deficiency in livers from patients with cerebro-hepato-renal (Zellweger) syndrome. van Amerongen A, et al. **Biochim Biophys Acta** 1987 Jun 2;919(2):149–55

Cell surface glycoproteins of hepatocytes and hepatoma cells identified by monoclonal antibodies. Becker A, et al. **Biol Chem Hoppe Seyler** 1986 Aug;367(8):681–8

Generation of oligomeric insulin receptor forms by intramolecular sulfhydryl–disulfide exchange. Involvement of masked sulfhydryl groups. Krämer H, et al. **Biol Chem Hoppe Seyler** 1987 May;368(5):471–9

Postnatal distribution of vitamin A in liver, lung, heart and brain of the rat in relation to maternal vitamin A status. Sharma HS, et al. **Biol Neonate** 1986;50(6):345–50

Applications of a monoclonal antibody to human ferritin in various immunoassays. Lee CY, et al. **Biotechnol Appl Biochem** 1987 Feb;9(1):31–8

Tissue distribution of rat S-100 alpha and beta subunit mRNAs. Kuwano R, et al. **Brain Res** 1987 Apr; 388(1):79–82

Effect of chronic cadmium administration on liver and kidney concentrations of zinc, copper, iron, manganese, and chromium. Friel JK, et al. **Bull Environ Contam Toxicol** 1987 Apr;38(4):588–93

A new glucocorticoid receptor detected in host rat liver but not in various hepatomas. Hirota K, et al. **Cancer Res** 1987 Jul 15;47(14):3742–6

Microfluorometric determination of DNA adducts in immunofluorescent-stained liver tissue from rats fed 2-acetylaminofluorene. Huitfeldt HS, et al. **Cancer Res** 1987 Apr 15;47(8):2098–102

Elevated expression and cell cycle deregulation of a mitosis-associated target polypeptide of a carcinogen in hyperplastic and malignant rat hepatocytes. Sorof S, et al. **Cancer Res** 1987 Jan 1;47(1):210–20

Mouse liver gangliosides. Suzuki M, et al. **Carbohydr Res** 1986 Aug 15;151:213–23

Variations of ornithine decarboxylase activity and S-adenosyl-L-methionine and 5'-methylthioadenosine contents during the development of diethylnitrosamine-induced liver hyperplastic nodules and hepatocellular carcinoma. Garcea R, et al. **Carcinogenesis** 1987 May;8(5):653–8

32P-postlabeling analysis of liver DNA adducts in rats chronically fed a choline-devoid diet. Gupta RC, et al. **Carcinogenesis** 1987 Jan;8(1):187–9

Blood and liver selenium concentrations in patients with liver diseases. Välimäki M, et al. **Clin Chim Acta** 1987 Jul 15; 166(2–3):171–6

Separation and quantitative determination of dolichol and dolichyl phosphate in rat and trout liver. Bizri M, et al. **Comp Biochem Physiol [B]** 1986;84(4):565–9

Immunological evidence for an H1(0) type of histone protein in chicken liver. Moorman AF, et al. **Differentiation** 1986; 32(1):44–8

Influence of thyroid hormones and methylthiouracil upon elastin content in the liver of rats with carbon tetrachloride-induced hepatic fibrosis. Olczyk K, et al. **Endocrinologie** 1987 Jan-Mar;25(1):3–7

A putative mediator of insulin action which inhibits adenylate cyclase and adenosine 3',5'-monophosphate-dependent protein kinase: partial purification from rat liver: site and kinetic mechanism of action. Malchoff CD, et al. **Endocrinology** 1987 Apr;120(4):1327–37

Studies on the stability of the higher-order structure of rat liver chromatin containing high-mobility-group proteins. Jose M, et al. **Eur J Biochem** 1987 Mar 2;163(2):347–52

Binding of low-density lipoprotein and chylomicron remnants to the hepatic low-density lipoprotein receptor of dogs, rats and rabbits demonstrated by ligand blotting. Failure to detect a distinct chylomicron-remnant-binding protein by ligand blotting. Wade DP, et al. **Eur J Biochem** 1986 Sep 1;159(2):333–40

Isolation of a biologically active low-molecular-mass chromium compound from rabbit liver. Yamamoto A, et al. **Eur J Biochem** 1987 Jun 15;165(3):627–31

Quantitative determination of the organ distribution of the cell adhesion molecule cell-CAM 105 by radioimmunoassay. Odin P, et al. **Exp Cell Res** 1987 Jul; 171(1):1–15

Sub-compartmentation of the 'cytosolic' glucose 6-phosphate pool in cultured rat hepatocytes. Christ B, et al. **FEBS Lett** 1987 Sep 14;221(2):375–80

Beta-subunits of the human liver Gs/Gi signal-transducing proteins and those of bovine retinal rod cell transducin are identical. Codina J, et al. **FEBS Lett** 1986 Oct 27; 207(2):187–92

ras proteins enhance the phosphorylation of a 38 kDa protein (p38) in rat liver plasma membrane [published erratum appears in FEBS Lett 1987 Sep 14;221(2):433] Hegde AN, et al. **FEBS Lett** 1987 Jun 8;217(1):74–80

Ultrastructural localization of type IV collagen, laminin and prolyl hydroxylase in biliary epithelial cells of rat liver following ligation of the common bile duct. Miyabayashi C, et al. **Gastroenterol Jpn** 1987 Jun;22(3):354–69

Hepatic estrogen receptor in human liver disease. Porter LE, et al. **Gastroenterology** 1987 Mar;92(3):735–45

Effect of alpha-amanitin on liver non-histone chromatin proteins of starved hens. Palyga J. **Gen Pharmacol** 1987; 18(4):417–20

Hepatic alpha 1-antitrypsin mRNA content in cirrhosis with normal and abnormal protease inhibitor phenotypes. Schwarzenberg SJ, et al. **Hepatology** 1986 Nov-Dec; 6(6):1252–8

Demonstration of pre-S polypeptides of hepatitis B virus in infected livers. Thung SN, et al. **Hepatology** 1986 Nov-Dec;6(6):1315–8

Development of molecular hybridization technology to evaluate albumin and procollagen mRNA content in baboons and man. Weiner FR, et al. **Hepatology** 1987 Jan-Feb;7(1 Suppl):19S–25S

Glutathione localization by a novel o-phthalaldehyde histofluorescence method. Murray GI, et al. **Histochem J** 1986 Aug;18(8):434–40

Histological aspects of in situ hybridization. Detection of poly(A) nucleotide sequences in mouse liver sections as a model system. Jilbert AR, et al. **Histochemistry** 1986; 85(6):505–14

Isotachophoretic and HPLC determination of nucleotides in rat liver cell nuclei isolated by non-aqueous technique. Andersson M, et al. **Int J Biochem** 1987;19(7):641–7

Liquid chromatographic determination of carotenes in cattle serum and liver. Hidiroglou N, et al. **Int J Vitam Nutr Res** 1986;56(4):339–44

The expression of ras oncogene in normal and pathological liver disease. Habib NA, et al. **Int Surg** 1986 Jul-Sep; 71(3):182–3

In vivo B/A determination in a mammalian organ. Zhang J, et al. **J Acoust Soc Am** 1987 May;81(5):1635–7

Influence of biological matrix on retention behaviour and identification possibilities of selected neutral and acidic drugs in thin layer chromatography. An interlaboratory investigation. Bogusz M, et al. **J Anal Toxicol** 1986 Nov-Dec;10(6):245–9

Liquid chromatographic determination of aflatoxicol in porcine liver. Tyczkowska K, et al. **J Assoc Off Anal Chem** 1987 May-Jun;70(3):475–8

Presence of a unique set of nuclear proteins at the sites sensitive to RNase A as well as DNase I. Inoue A, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):747–51

Primary structure of rat liver mannan-binding protein deduced from its cDNA sequence. Oka S, et al. **J Biochem (Tokyo)** 1987 Jan;101(1):135–44

Characterization of neutral sphingolipids and gangliosides from chicken liver. Shiraishi T, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):553–61

A hepatic fibrogenic factor stimulates the synthesis of types I, III, and V procollagens in cultured cells. Choe I, et al. **J Biol Chem** 1987 Apr 15;262(11):5408–13

A unique gene for 5-aminolevulinate synthase in chickens. Evidence for expression of an identical messenger RNA in hepatic and erythroid tissues. Elferink CJ, et al. **J Biol Chem** 1987 Mar 25;262(9):3988–92

Heterogeneity of the rat hepatic Ah receptor and evidence for transformation in vitro and in vivo. Gasiewicz TA, et al. **J Biol Chem** 1987 Feb 15;262(5):2116–20

The interaction of phosphorylated oligosaccharides and lysosomal enzymes with bovine liver cation-dependent mannose 6-phosphate receptor. Hoflack B, et al. **J Biol Chem** 1987 Jan 5;262(1):123–9

Purification and characterization of eukaryotic initiation factor 2 and a guanine nucleotide exchange factor from rat liver. Kimball SR, et al. **J Biol Chem** 1987 Feb 15; 262(5):2220–7

The chicken receptor for endocytosis of glycoproteins contains a cluster of N-acetylglucosamine-binding sites. Loeb JA, et al. **J Biol Chem** 1987 Mar 5;262(7):3022–9

Protein kinase activity can be separated from the purified activated rat liver glucocorticoid receptor. Perišić O, et al. **J Biol Chem** 1987 Aug 25;262(24):11688–91

Isolation and characterization of the putative canalicular bile salt transport system of rat liver. Ruetz S, et al. **J Biol Chem** 1987 Aug 15;262(23):11324–30

Calcimedins: purification and characterization from chicken gizzard and rat and bovine livers. Mathew JK, et al.

J Cell Biochem 1986;32(3):223–34

Separation and measurement of clofibroyl coenzyme A and clofibric acid in rat liver after clofibrate adminstration by reversed-phase high-performance liquid chromatography with photodiode array detection. Lygre T, et al. **J Chromatogr** 1986 Aug 22;381(1):95–105

Improved procedure for the separation of the molecular species of dimethylphosphatidate by high-performance liquid chromatography. Nakagawa Y, et al. **J Chromatogr** 1986 Sep 5;381(2):225–31

Rapid preparation of anhydroretinol and its use as an internal standard in determination of liver total vitamin A by high-performance liquid chromatography. Wallingford JC, et al. **J Chromatogr** 1986 Aug 22;381(1):158–63

Identification in rat liver and serum of water-soluble class I MHC molecules possibly homologous to the murine Q10 gene product. Spencer SC, et al. **J Exp Med** 1987 Jun 1; 165(6):1595–608

Simultaneous light and electron microscopic observation of immunolabeled liver 27 KD gap junction protein on ultra-thin cryosections. Dermietzel R, et al. **J Histochem Cytochem** 1987 Mar;35(3):387–92

A modified periodic acid–thiocarbohydrazide–silver proteinate staining sequence for enhanced contrast and resolution of glycogen depositions by transmission electron microscopy. Lo HK, et al. **J Histochem Cytochem** 1987 Mar;35(3):393–9

Detection of albumin mRNAs in rat liver by in situ hybridization: usefulness of paraffin embedding and comparison of various fixation procedures. Tournier I, et al. **J Histochem Cytochem** 1987 Apr;35(4):453–9

Detection of receptors for polymerised human albumin by immunoperoxidase and immunoadherence in liver tissue of HBsAg chronic carriers. Sansonno DE, et al. **J Immunol Methods** 1986 Oct 23;93(1):71–6

Sequences of hepatitis B virus DNA in the serum and liver of patients with acute benign and fulminant hepatitis. Lugassy C, et al. **J Infect Dis** 1987 Jan;155(1):64–71

Dolichol and phosphorylated dolichol content of tissues in ceroid-lipofuscinosis. Hall NA, et al. **J Inherited Metab Dis** 1985;8(4):178–83

Isolation of hepatocellular lipid droplets: the separation of distinct subpopulations. Ontko JA, et al. **J Lipid Res** 1986 Oct;27(10):1097–103

Examination of protein sequence homologies: III. Ribosomal protein YS25 from Saccharomyces cerevisiae and its counterparts from Schizosaccharomyces pombe, rat liver, and Escherichia coli. Otaka E, et al. **J Mol Evol** 1986; 23(4):337–42

Estrogen and androgen receptors in the liver of cynomolgus monkeys (Macaca fascicularis). Marschke KB, et al. **J Steroid Biochem** 1987 Apr;26(4):443–50

Liver composition and histology in growing infant miniature pigs given different total parenteral nutrition fuel mixes. Shulman RJ, et al. **JPEN J Parenter Enteral Nutr** 1987 May–Jun;11(3):275–9

Presence and role of glycosaminoglycans in amyloidosis. Linker A, et al. **Lab Invest** 1987 Sep;57(3):297–305

Cytochrome P-450 immunolocalization in human liver [letter] Murray GI, et al. **Lancet** 1986 Sep 27;2(8509):757

Measurement of free and bound malondialdehyde in vitamin E-deficient and -supplemented rat liver tissues. Lee HS, et al. **Lipids** 1987 Feb;22(2):104–7

Differences in the long chain (sphingoid) base composition of sphingomyelin from rats bearing Morris hepatoma 7777. Merrill AH Jr, et al. **Lipids** 1986 Aug;21(8):529–30

Hepatic lipid abnormalities in a chemical/viral mouse model for Reye's syndrome. Murphy MG, et al. **Lipids** 1987 Apr; 22(4):217–23

The effects of fat-free, saturated and polyunsaturated fat diets on rat liver and plasma lipids. Nelson GJ, et al. **Lipids** 1987 Feb;22(2):88–94

Calregulin: purification, cellular localization, and tissue distribution. Khanna NC, et al. **Methods Enzymol** 1987; 139:36–50

The effect of chloroquine on the equilibrium density in a Percoll gradient of liver lysosomal populations. Colombo MI, et al. **Microsc Electron Biol Celular** 1985 Dec; 9(2):205–11

Molecular and functional diversity of non-histone protein fraction NHCP1 from hamster Kirkman–Robbins hepatoma and liver. Kiliańska Z, et al. **Mol Cell Biochem** 1986 Aug; 71(2):167–75

Purification and characterization of metallothionein from liver of cadmium exposed rhesus monkeys (Macaca mulatta). Paliwal VK, et al. **Mol Cell Biochem** 1986 Aug; 71(2):139–47

Thyroid hormone receptors in a human hepatoma cell line: multiple receptor forms on isoelectric focusing. Ichikawa K, et al. **Mol Cell Endocrinol** 1987 May;51(1–2):135–43

Variations of meal-to-meal liver glycogen in rats. Le Magnen J, et al. **Neurosci Biobehav Rev** 1980;4 Suppl 1:29–32

Separation of citric acid cycle acids from animal tissues by high-performance liquid chromatography. Tsuyama S. **Nippon Juigaku Zasshi** 1987 Aug;49(4):613–9

The development of harmonic distortion in pulsed finite-amplitude ultrasound passing through liver. Starritt HC, et al. **Phys Med Biol** 1986 Dec;31(12):1401–9

Glycogen content of placenta and of fetal and maternal liver in cadmium-exposed rats. I: A descriptive light microscopic study. Roelfzema WH, et al. **Placenta** 1987 Jan–Feb;8(1):27–36

Primary structure of human corticosteroid binding globulin, deduced from hepatic and pulmonary cDNAs, exhibits homology with serine protease inhibitors. Hammond GL, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5153–7

Peroxisome proliferator–binding protein: identification and partial characterization of nafenopin-, clofibric acid-, and ciprofibrate-binding proteins from rat liver. Lalwani ND, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5242–6

Human liver apolipoprotein B–100 cDNA: complete nucleic acid and derived amino acid sequence. Law SW, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8142–6

Retroviral gene transfer into primary hepatocytes: implications for genetic therapy of liver-specific functions. Ledley FD, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(15):5335–9

Enhancement of galactose/N-acetylgalactosamine receptor activity on the surface of freshly isolated rat hepatocytes: evidence for masking of receptor sites by inhibitors derived from collagenase preparations. Stults NL, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7775–9

Purification and partial characterization of a mitogenic factor from bovine liver: structural homology with basic fibroblast growth factor. Ueno N, et al. **Regul Pept** 1986 Dec 22; 16(2):135–45

Reversible down-regulation of liver cyclo(His–Pro) binding sites by cyclo(His–Pro) administration to mice. Hirose Y, et al. **Res Commun Chem Pathol Pharmacol** 1986 Nov; 54(2):211–6

Histochemical study of the accumulation of copper in the liver of sheep. Kumaratilake JS, et al. **Res Vet Sci** 1987 Jan;42(1):73–81

Safety and effectiveness of cupric oxide particles for increasing liver copper stores in cattle. Suttle NF. **Res Vet Sci** 1987 Mar;42(2):224–7

Safety and effectiveness of cupric oxide particles for increasing liver copper stores in sheep. Suttle NF. **Res Vet Sci** 1987 Mar;42(2):219–23

Rare-earth elements in the NBS standard reference materials spinach, orchard leaves, pine needles and bovine liver. Meloni S, et al. **Sci Total Environ** 1987 Jun;64(1–2):13–20

Application of differential pulse anodic stripping voltammetry to the determination of heavy metals in environmental samples. Ostapczuk P, et al. **Sci Total Environ** 1987 Feb;60:1–16

A dehydroepiandrosterone sulfatase inhibitory activity in soluble proteins of guinea pig liver. Moutaouakkil M, et al. **Steroids** 1986 Jun;47(6):401–11

Circadian variations in hepatic glutathione content, gamma-glutamylcysteine synthetase and gamma-glutamyl transferase activities in mice. White BP, et al. **Toxicol Lett** 1987 Feb;35(2–3):217–23

Levels of purine compounds in a perfusate as a biochemical marker of ischemic injury of cold-preserved liver. Nishida T, et al. **Transplantation** 1987 Jul;44(1):16–21

Measurement and use of acoustic nonlinearity and sound speed to estimate composition of excised livers. Sehgal CM, et al. **Ultrasound Med Biol** 1986 Nov;12(11):865–74

Duck hepatitis B virus DNA in liver, spleen, and pancreas: analysis by in situ and Southern blot hybridization. Jilbert AR, et al. **Virology** 1987 Jun;158(2):330–8

Cadmium concentrations in autopsy material from differently polluted areas of West Germany (FRG). Thürauf J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Jul; 182(4):337–47

[Chemical composition of poultry livers] Georgiev L, et al. **Vet Med Nauki** 1987;24(2):68–71 (Eng. Abstr.) **(Bul)**

[Quality and nutritive value of the liver from fattened local geese] Kostadinov K. **Vet Med Nauki** 1986;23(8):62–9 (Eng. Abstr.) **(Bul)**

[Lipid fraction content of puncture biopsy material from the liver of patients with diabetes mellitus and obesity] Pitsin D, et al. **Vutr Boles** 1986;25(6):73–7 (Eng. Abstr.) **(Bul)**

[Comparison of the DNA and restriction DNA fragments of the rat liver and hepatoma BERH–2] Zhang YY, et al. **Shih Yen Sheng Wu Hsueh Pao** 1986 Dec;19(4):481–7 (Eng. Abstr.) **(Chi)**

[Comparison of the hybridization patterns obtained from labelled RNA with Southern blotted restriction fragments of DNAs from the rat liver and hepatoma] Zhang YY, et al. **Shih Yen Sheng Wu Hsueh Pao** 1987 Mar;20(1):47–52 (Eng. Abstr.) **(Chi)**

[Determination of carbon tetrachloride and its metabolites in the blood and liver of rats using gas chromatography] Obršál J, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1985; 28(3–4):341–7 (Eng. Abstr.) **(Cze)**

[Levels of DNA, RNA, protein and non-protein N in tissues of normally developed piglets and straddling piglets of very different birth weights. 2. Results of analyses of heart, lung, liver and kidney] Hillert S, et al. **Arch Exp Veterinarmed** 1987 Jan;41(1):78–89 (Eng. Abstr.) **(Ger)**

[Determination of phenazone distribution in the liver and spleen in the evaluation of the effect of alpha adrenergic blocking drugs in the rat] Büch HP, et al. **Arch Pharm (Weinheim)** 1986 Oct;319(10):916–26 (Eng. Abstr.) **(Ger)**

[Determination and assessment of the content of lead, cadmium and mercury in hair, nails and organs of persons in clean and polluted areas] Schweinsberg F, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1987;71:91–100 **(Ger)**

[Estrogen and progesterone receptors in human liver: does their study contribute to a better understanding of benign contraceptive-associated liver tumors?] Pirovino M, et al. **Schweiz Med Wochenschr** 1986 Jul 19;116(29):971–3 (Eng. Abstr.) **(Ger)**

[The effects of cold and deep freezing of the liver on its dielectric loss factor] Pfützner H, et al. **Z Lebensm Unters Forsch** 1987 Mar;184(3):210–4 (Eng. Abstr.) **(Ger)**

[Contamination of game in Schleswig-Holstein. 2. Residues of dieldrin, heptachlor epoxide and other cyclodiene insecticides in the liver fat of hares (Lepus europaeus L.)] Rimkus G, et al. **Z Lebensm Unters Forsch** 1987 Apr; 184(4):308–12 (Eng. Abstr.) **(Ger)**

[Pentachlorophenol concentrations in the organs and blood of 11 dead infants] Grimm HG, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Jul; 182(4):348–51 (Eng. Abstr.) **(Ger)**

[Isolation of amobarbital from human liver by means of various column chromatography purification methods] Benkö A, et al. **Acta Pharm Hung** 1986 Nov;56(6):255–61 (Eng. Abstr.) **(Hun)**

[Detection of HBV DNA by the in situ hybridization method] Michitaka K. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul;83(7):1410 **(Jpn)**

[Trace elements in hepatocellular carcinoma—comparison between hepatoma tissue and non-hepatoma liver tissue] Miyata S. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep; 83(9):2091 **(Jpn)**

[Copper-binding proteins in liver, kidney and brain tissue from a Wilson's disease patient] Sato M, et al. **No To Shinkei** 1986 Oct;38(10):933–41 (Eng. Abstr.) **(Jpn)**

[Residue levels of polychlorinated biphenyls in edible fish livers] Falandysz J. **Rocz Panstw Zakl Hig** 1986;37(2):113–8 (Eng. Abstr.) **(Pol)**

[Computer simulation of ESR signals of liver paramagnetic centers] Miminoshvili AA, et al. **Biofizika** 1987 Jan–Feb; 32(1):150–3 (Eng. Abstr.) **(Rus)**

[Iron sources forming nitrosyl complexes in animal tissues] Vanin AF. **Biofizika** 1987 Jan–Feb;32(1):128–31 (Eng. Abstr.) **(Rus)**

[Proteins from nuclear fractions with different contents of active genes] Mironov NM, et al. **Biokhimiia** 1987 Apr; 52(4):615–24 (Eng. Abstr.) **(Rus)**

[Secondary structure of the 5'-terminal region of the 18S ribosomal RNA5.3S fragment from the rat liver] Neilin MU, et al. **Bioorg Khim** 1987 Jan;13(1):128–30 (Eng. Abstr.) **(Rus)**

[Comparative study of the effect of chloditan on the concentration of cytochrome P-450 and adrenodoxin in various organs of the dog and rat] Kandul SV, et al. **Fiziol Zh** 1986 Sep–Oct;32(5):579–84 (Eng. Abstr.) **(Rus)**

[Oxygen supply of the liver following hemodilution with an albumin solution] Stolbov AL. **Fiziol Zh SSSR** 1987 Jun; 73(6):826–30 (Eng. Abstr.) **(Rus)**

[Mechanism of the teratogenic action of phthalimide-containing pesticides] Akkerman G, et al. **Gig Sanit** 1987 Feb;(2):92–3 **(Rus)**

[Effect of synthetic detergents on levels of endogenous surface-active substances in the bodies of animals] Voloshchenko OI, et al. **Gig Sanit** 1987 Jan;(1):14–5 (Eng. Abstr.) **(Rus)**

[Nucleotides of rat liver cells: electron microscope analysis] Glazkov MV. **Mol Biol (Mosk)** 1986 Nov–Dec; 20(6):1692–703 (Eng. Abstr.) **(Rus)**

[Nucleotides in rat liver cells: sedimentation and fluorescence analysis; DNA, associated with residual nuclear structures] Glazkov MV. **Mol Biol (Mosk)** 1986 Nov–Dec; 20(6):1682–91 (Eng. Abstr.) **(Rus)**

[Features of inter-organ glutathione metabolism in rats provided with different amounts of protein and methionine] Bondarev GI, et al. **Vopr Pitan** 1987 Mar–Apr;(2):44–8 (Eng. Abstr.) **(Rus)**

[Distribution of plasminogen activator and its inhibitor in the vascular bed] Bratchik AM, et al. **Vrach Delo** 1987 Jan;(1):66–9 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation in the tissues of animals as an index of the biological aggressiveness of welding aerosols] Geleskul IuF, et al. **Vrach Delo** 1987 Jun;(6):108–10 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Histology of the liver. Gerber MA, et al. **Am J Surg Pathol** 1987 Sep;11(9):709–22

A tabular comparative histology of the liver. Beresford WA, et al. **Arch Histol Jpn** 1986 Aug;49(3):267–81

Measurement of liver volume using water delay ultrasonography. Baddeley H, et al. **Diagn Imag Clin Med** 1986;55(6):330–6

Repetitive echoes in ultrasonography of the diaphragm demonstrated by cadaver studies. Delattre JF, et al. **Eur J Radiol** 1986 Aug;6(3):218–21

Morphological and endocrine correlates of the reproductive cycle of the aplacental viviparous dogfish, Squalus acanthias. Tsang PC, et al. **Gen Comp Endocrinol** 1987 May; 66(2):182–9

Biomedical thought in Glisson's hepatology and in Wepfer's work on apoplexy. Mani N. **Henry E Sigerist Suppl Bull Hist Med** 1982;(6):37–68

Are the hypocholesterolaemic action and metabolic effects

of diethylhexyl phthalate mediated by thyroxine? Nair N, et al. **Indian J Biochem Biophys** 1986 Apr;23(2):76–9
Changes with age in the human liver. Goyal VK. **Indian J Pathol Microbiol** 1986 Apr;29(2):145–54
Liver size and serum alkaline phosphatase in normal preschool Thai children. Phuapradit P, et al. **J Med Assoc Thai** 1986 Oct;69 Suppl 2:69–76
Left upper quadrant pseudolesion secondary to normal variants in liver and spleen. Arenson AM, et al. **JCU** 1986 Sep;14(7):558–61
Glandular elements around the intrahepatic bile ducts in man; their morphology and distribution in normal livers. Terada T, et al. **Liver** 1987 Feb;7(1):1–8
Ingested manganese chloride as a contrast agent for magnetic resonance imaging. Cory DA, et al. **Magn Reson Imaging** 1987;5(1):65–70
Hepatobiliary MR contrast agents: 5-substituted iron–EHPG derivatives. Lauffer RB, et al. **Magn Reson Med** 1987 Jun; 4(6):582–90
T1, T2, and relative proton density at 0.35 T for spleen, liver, adipose tissue, and vertebral body: normal values. Nyman R, et al. **Magn Reson Med** 1986 Dec;3(6):901–10
Envelope amplitude analysis following narrow-band filtering: a technique for ultrasonic tissue characterization. Sommer FG, et al. **Med Phys** 1987 Jul–Aug;14(4):627–32
Normal hepatic and splenic size in children: scintigraphic determination. Markisz JA, et al. **Pediatr Radiol** 1987; 17(4):273–6
Gadolinium–labeled liposomes: targeted MR contrast agents for the liver and spleen. Kabalka G, et al. **Radiology** 1987 Apr;163(1):255–8
Estimation of acoustic attenuation in liver using one megabyte of data and the zero-crossings technique. Duerinckx AJ, et al. **Ultrasonics** 1986 Nov;24(6):325–32
Dependence of ultrasonic velocity in rabbit liver on water content and structure of the tissue. Sarvazyan AP, et al. **Ultrasonics** 1987 Jul;25(4):244–7
[Surgical anatomy of the liver. Several new aspects] Couinaud C. **Chirurgie** 1986;112(5):337–42 (Eng. Abstr.) **(Fre)**
[When cells communicate: journey through Disse's space (letter)] Jezequel AM. **Gastroenterol Clin Biol** 1986 Jun–Jul; 10(6–7):524–5 **(Fre)**
[Ultrasonic studies of the liver in dogs and cats] Schmidt S. **Tierarztl Prax** 1987;15(1):57–62 (Eng. Abstr.) **(Ger)**
[Age and variability of the shape and size of the human liver] Lashkevich VE, et al. **Klin Khir** 1986;(9):37–8 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Liver susceptibility to ischaemia in spontaneously hypertensive rats. Wennberg E, et al. **Acta Anaesthesiol Scand** 1986 Jul;30(5):361–5
Vascular connective tissue changes in experimental portacaval anastomosis. Takiya C, et al. **Acta Pathol Jpn** 1986 Dec;36(12):1843–54
Concentrations of trace elements in the plasma after devascularisation of the liver in the rat. Srinivas U, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:211–4
Effect of repeated normothermic ischaemia on normal liver parenchyma. An experimental study in pigs. Stridbeck H, et al. **Acta Radiol** 1987 Mar–Apr;28(2):215–9
Hepatic infarcts: new observations by CT and sonography. Lev-Toaff AS, et al. **AJR** 1987 Jul;149(1):87–90
Imaging of surgically relevant hepatic vascular and segmental anatomy. Part 1. Normal anatomy. Mukai JK, et al. **AJR** 1987 Aug;149(2):287–92
Imaging of surgically relevant hepatic vascular and segmental anatomy. Part 2. Extent and resectability of hepatic neoplasms. Mukai JK, et al. **AJR** 1987 Aug;149(2):293–7
In vivo exocytosis of lysosomes by the endothelium of the venous sinuses of bone marrow and liver: visualization at normal and low body temperature. De Bruyn PP, et al. **Am J Anat** 1986 Sep;177(1):35–41
Effect of histamine, norepinephrine, and nerves on vascular pressures in dog liver. Lautt WW, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):G472–8
Distal splenorenal shunt for management of variceal bleeding in patients with schistosomal hepatic fibrosis. Ezzat FA, et al. **Ann Surg** 1986 Nov;204(5):566–73
Shunt surgery versus endoscopic sclerotherapy for long–term treatment of variceal bleeding. Early results of a randomized trial. Rikkers LF, et al. **Ann Surg** 1987 Sep; 206(3):261–71
Hepatic microsomal adenosine triphosphatase and mitochondrial function. Response to cold and warm ischemia. Townsend MC, et al. **Arch Surg** 1987 Jul; 122(7):813–6
Cholestasis and changes in the microcirculation of perfused rat liver caused by the calcium ionophore A23187 and type I antiarrhythmic drugs. Akerboom T, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):3037–42
Effect of ischemia on nucleosides and bases in rat liver and hepatoma 3924A. Pillwein K, et al. **Cancer Res** 1987 Jun 15;47(12):3092–6
Experimental bacteremia and hepatic nutrient blood flow. Asher EF, et al. **Circ Shock** 1986;20(1):43–9
For how long can the liver tolerate ischaemia? Kahn D, et al. **Eur Surg Res** 1986;18(5):277–82
Hepatic sinusoid dilatation and intra–sinusoidal tumor infiltration: a common immunological mechanism [letter] Delpré G, et al. **Gastroenterol Clin Biol** 1986 Oct; 10(10):690–1 **(Eng, Fre)**
Reduction of intrahepatic vascular space in the pathogenesis of portal hypertension. In vitro and in vivo studies in the rat. Lee SS, et al. **Gastroenterology** 1987 Jul;93(1):157–61
Changes in blood flow, portal pressure and shunting during the development of cirrhosis in response to beta–blockade. McLaren M, et al. **Gut** 1987 Jun;28(6):663–7
Microcirculatory abnormalities in liver diseases [editorial] Villeneuve JP, et al. **Hepatology** 1987 Jan–Feb;7(1):186–7
Hepatic vascular exclusion (HVE) for major liver resections. Delva E, et al. **Int Surg** 1987 Apr–Jun;72(2):78–81
The role of hepatic venous congestion and endotoxaemia in the production of fulminant hepatic failure secondary to congestive heart failure. Shibayama Y. **J Pathol** 1987 Feb; 151(2):133–8
Hepatic infarction and acute liver failure in children with extrahepatic biliary atresia and cirrhosis. Gartner JC Jr, et al. **J Pediatr Surg** 1987 Apr;22(4):360–2
Bile flow—an index of ischemic injury. Bowers BA, et al. **J Surg Res** 1987 May;42(5):565–9
Quantitative analysis of the effect of ATP–MgCl2 and adenosine–MgCl2 on the extent of necrosis in rat liver after ischemia. Frederiks WM, et al. **J Surg Res** 1986 Nov; 41(5):518–23
A successful technique of in vivo isolated liver perfusion in pigs. van de Velde CJ, et al. **J Surg Res** 1986 Dec; 41(6):593–9
Scanning electron microscopical study of intrahepatic blood vessels during development of experimental cirrhosis in rats. Shen SL, et al. **J Tongji Med Univ** 1986;6(4):235–40
Failure of oxygen–free radical scavengers to improve postischemic liver function. McEnroe CS, et al. **J Trauma** 1986 Oct;26(10):892–6
Amino acids and indoleamines in the brain after infusion of branched–chain amino acids to rats with liver ischemia. Bugge M, et al. **JPEN J Parenter Enteral Nutr** 1986 Sep–Oct;10(5):474–8
Protective effect of fibronectin in temporary liver ischemia: an experimental study. Raute–Kreinsen U, et al. **Klin Wochenschr** 1986;64 Suppl 7:54–8
Enzyme–histochemical study of the liver ligated portal vein—in view of acid phosphatase(ACP) activity. Kanamaru T. **Kobe J Med Sci** 1987 Feb;33(1):35–51
The blood hepatocytic barrier: a light microscopical, transmission– and scanning electron microscopic study. Horn T, et al. **Liver** 1986 Aug;6(4):233–45
Hepatic microvascular regulatory mechanisms. VIII. Glucogenic responses and morphologic changes following serotonin–induced low flow. Reilly FD, et al. **Microcirc Endothelium Lymphatics** 1986;3(1):21–46
Hepatic microvascular regulatory mechanisms. IX. Effects of compound 48/80 on endotoxin–induced changes in microcirculation and mast cell integrity. Unger LS, et al. **Microcirc Endothelium Lymphatics** 1986;3(2):109–28
Aspects of the hepatic rheogram within the medical practice. Gusti S. **Physiologie** 1987 Jan–Mar;24(1):41–6
Pseudoaneurysms complicating pancreatitis: detection by CT. Burke JW, et al. **Radiology** 1986 Nov;161(2):447–50
The effect of liver ischaemia on brain monoamine synthesis in the rat. Bugge M, et al. **Res Exp Med (Berl)** 1987; 187(2):119–30
Effect of endoscopic sclerotherapy of esophageal varices on liver blood flow and liver function. An experimental study. Jensen LS, et al. **Scand J Gastroenterol** 1987 Jun; 22(5):619–26
Prevention and treatment of ischemia of the liver. Hasselgren PO. **Surg Gynecol Obstet** 1987 Feb;164(2):187–96 (117 ref.)
Safety of hemihepatic vascular occlusion during resection of the liver. Makuuchi M, et al. **Surg Gynecol Obstet** 1987 Feb;164(2):155–8
[Effect of inosine in the protection of ischemia of the liver] Zhang XG, et al. **Chung Hua Wai Ko Tsa Chih** 1987 Mar; 25(3):133–5, 188 (Eng. Abstr.) **(Chi)**
[Cholestasis and sinusoidal dilatation following treatment with azathioprine (letter)] Lemarchand P, et al. **Gastroenterol Clin Biol** 1986 Dec;10(12):853–4 **(Fre)**
[Pathogenesis, clinical aspects and noninvasive diagnosis of acute hepatic ischemia in shock conditions] Wegener M, et al. **Med Klin** 1986 Dec 12;81(25–26):832–5 (Eng. Abstr.) **(Ger)**
[Structure and function of the sinusoidal wall of the liver ("the perisinusoidal functional unit"). A review] Reinke P, et al. **Z Mikrosk Anat Forsch** 1987;101(1):91–136 (Eng. Abstr.) **(Ger)**
[Ischemic damage to the liver and kidney by IABP—report of a case with a rare complication] Itoh Y, et al. **Kyobu Geka** 1987 Feb;40(2):162–5 (Eng. Abstr.) **(Jpn)**
[Effect of coenzyme Q10 on DNA synthesis of the ischemic lobe after partial hepatectomy in partial liver ischemia] Shimura T, et al. **Nippon Geka Gakkai Zasshi** 1986 Dec; 87(12):1588 **(Jpn)**
[The effect of glucagon on hepatic blood flow and ICG excretion] Yasuda Y. **Nippon Geka Gakkai Zasshi** 1987 Jan; 88(1):63–73 (Eng. Abstr.) **(Jpn)**
[Ultrastructural organization of the endotheliocytes of human liver sinusoids in the prenatal period] Bobrik II, et al. **Arkh Anat Gistol Embriol** 1987 Jun;92(6):43–6 (Eng. Abstr.) **(Rus)**
[Lipid peroxidation and free Fe2+ during ischemia and reoxygenation of the liver] Kozlov AV, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):165–7 (Eng. Abstr.) **(Rus)**
[Disordered functioning of the superoxide radical–superoxide dismutase system in rat liver ischemia] Rashba IuE, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):559–61 (Eng. Abstr.) **(Rus)**
[Subcellular manifestations of the corrective effect of alpha–tocopherol on postischemic changes in the liver parenchyma of rats] Sokirchenko IA, et al. **Biull Eksp Biol Med** 1987 Feb;103(2):226–9 (Eng. Abstr.) **(Rus)**
[Prevention of damages to the microsomal monooxygenases in thermal ischemia of the liver by the separate and combined use of alpha–tocopherol, lidocaine and kontrikal] Sharapov VI, et al. **Farmakol Toksikol** 1987 Mar–Apr; 50(2):107–11 (Eng. Abstr.) **(Rus)**
[Relation between age and the intrinsic topography of the portal and hepatic veins of the liver and its shape and size] Tsal GE. **Khirurgiia (Mosk)** 1987 Feb;(2):81–5 (Eng. Abstr.) **(Rus)**
[Changes in microcirculation and oxygen tension in the blood and liver tissue after splenorenal anastomoses and partial arterialization of the liver] Saatov RR, et al. **Klin Khir** 1986; (9):32–5 (Eng. Abstr.) **(Rus)**
[Distribution of blood flow in the hepatolienal area in patients with portal hypertension] Sandrikov VA, et al. **Klin Khir** 1986;(9):35–7 (Eng. Abstr.) **(Rus)**
[Morphogenesis and pathogenesis of intrahepatic vascular lesions in the acute and chronic stages of experimental opisthorchiasis] Glumov VIa, et al. **Med Parazitol (Mosk)** 1986 Sep–Oct;(5):24–9 (Eng. Abstr.) **(Rus)**
[Pylephlebitis as a complication of acute destructive appendicitis] Baskakov VA, et al. **Vestn Khir** 1987 Mar; 138(3):130 **(Rus)**
[Use of computerized subtraction angiography in the diagnosis of voluminous lesions of the liver] Vos'mirko OD, et al. **Vestn Rentgenol Radiol** 1987 Jan–Feb;(1):16–20 (Eng. Abstr.) **(Rus)**
[Remestyp Spofa and ischemic liver damage] Olejník J, et al. **Rozhl Chir** 1987 Jun;66(6):413–6 (Eng. Abstr.) **(Slo)**

CYTOLOGY

Modulation of expression of intermediate filaments during the development of established rat liver cell lines. Langbein L, et al. **Acta Histochem (Jena)** 1986;80(2):149–58
Morphological investigations on co–cultures of rat hepatocytes and the neonatal liver cell line RL 19. Vajta G, et al. **Acta Morphol Hung** 1986;34(1–2):117–25
Disposal of HDL–cholesterol to cultured granulosa cells, endothelial cells and hepatocytes: effects of HDL–phospholipolysis. Perret BP, et al. **Adv Exp Med Biol** 1987;210:145–51
The receptor–mediated interaction of lipoproteins with liver cells. van Berkel TJ, et al. **Adv Exp Med Biol** 1987; 210:137–44
Isolation of mast cells from rabbit lung and liver: comparison of histamine release induced by the hypnotics Althesin and propanidid. Ennis M, et al. **Agents Actions** 1987 Apr; 20(3–4):219–22
Xenobiotic metabolism in suspensions and primary cultures of isolated hepatocytes prepared from the caudate process of bovine liver. Shull LR, et al. **Am J Vet Res** 1986 Sep; 47(9):2043–52
Isolation and culture of hepatic lipocytes, Kupffer cells, and sinusoidal endothelial cells by density gradient centrifugation with Stractan. Friedman SL, et al. **Anal Biochem** 1987 Feb 15;161(1):207–18
Segmentation of scenes in tissue sections. Abmayr W, et al. **Anal Quant Cytol Histol** 1987 Jun;9(3):190–6
A freeze–fracture study of the plasma membrane of the Ito cell in the normal rat liver. Taira K, et al. **Arch Histol Jpn** 1987 Mar;50(1):95–102
Application of an NaOH maceration method to a scanning electron microscopic observation of Ito cells in the rat liver. Takahashi–Iwanaga H, et al. **Arch Histol Jpn** 1986 Aug; 49(3):349–57
Technique of preparation of hemopoietic cells of human fetal liver for transplantation. Jedrzejczak WW, et al. **Arch Immunol Ther Exp (Warsz)** 1987;35(1):71–8
Synthesis and secretion of protein by hepatocytes entrapped within calcium alginate. Miura Y, et al. **Artif Organs** 1986 Dec;10(6):460–5
Stimulation of tyrosine–specific protein phosphorylation in the rat liver plasma membrane by oxygen radicals. Chan TM, et al. **Biochem Biophys Res Commun** 1986 Sep 14; 139(2):439–45
Epidermal growth factor stimulates serine and tyrosine phosphorylation in a 59–kD protein in purified plasma membranes from rat liver. David–Pfeuty T, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):982–8
Inhibition of proliferation of cultured rat liver epithelial cells at specific cell cycle stages by transforming growth factor–beta. Lin P, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):26–30
Periportal and perivenous hepatocytes retain their zonal characteristics in primary culture. Quistorff B, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1055–61
Analysis by flow cytometry of rat hepatocytes from different acinar zones. Vargas JL, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):535–41
Cell of origin of distinct cultured rat liver epithelial cells, as typed by cytokeratin and surface component selective expression. Marceau N, et al. **Biochem Cell Biol** 1986 Aug;

64(8):788–802
Human adult hepatocytes in primary monolayer culture. Maintenance of mixed function oxidase and conjugation pathways of drug metabolism. Grant MH, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2311–6
The effect of sodium valproate on the subcellular particles of the rat liver. Mertens-Strijthagen J, et al. **Biochem Pharmacol** 1987 Jun 15;36(12):1997–2001
Intracellular and intercellular liver heterogeneity: an overview. Sies H. **Biochem Soc Trans** 1987 Jun;15(3):359–60
Long-term culture of fetal rat hepatocytes in media supplemented with fetal calf-serum Ultroser SF or Ultroser G. Yeoh G, et al. **Biol Cell** 1986;58(1):53–63
Use of electrical methods in the study of hepatocytic autophagy. Gordon PB, et al. **Biomed Biochim Acta** 1986; 45(11–12):1635–45
Heterogeneous distribution of transferrin receptors on parenchymal and nonparenchymal liver cells: biochemical and morphological evidence. Vogel W, et al. **Blood** 1987 Jan;69(1):264–70
Stromal stem cells (CFU-f) in yolk sac, liver, spleen and bone marrow of pre- and postnatal mice. Van den Heuvel RL, et al. **Br J Haematol** 1987 May;66(1):15–20
Effect of adhesion factors fibronectin, laminin, and type IV collagen on spreading and growth of transformed and control rat liver epithelial cells. Junker JL, et al. **Cancer Res** 1987 Jul 15;47(14):3802–7
Induction of tumoricidal activity in isolated rat liver macrophages by liposomes containing recombinant rat gamma-interferon supplemented with lipopolysaccharide or muramyldipeptide. Stukart MJ, et al. **Cancer Res** 1987 Jul 15;47(14):3880–5
A cytological comparison between regeneration, hyperplasia and early neoplasia in the rat liver. Styles JA, et al. **Carcinogenesis** 1987 Mar;8(3):391–9
Formation of heterotypic adherens-type junctions between L-CAM-containing liver cells and A-CAM-containing lens cells. Volk T, et al. **Cell** 1987 Sep 11;50(6):987–94
Isolation and characterization of parenchymal cells from normal and cirrhotic rat liver. Zimmermann T, et al. **Cell Biochem Funct** 1987 Jan;5(1):47–54
Anchorage-independent cell growth-inhibiting factor(s) from normal rat liver and ascites hepatoma. Komatsu K, et al. **Cell Biol Int Rep** 1986 Oct;10(10):813–20
Application of coomassie brilliant blue staining to cultured hepatocytes. Mochizuki Y, et al. **Cell Biol Int Rep** 1987 May;11(5):367–71
Antioxidants and blockers of arachidonate metabolism inhibit the mitogenic effects of TPA in hepatocytes: differences in the operative mechanisms according to the cell cycle setting. Romano F, et al. **Cell Biol Int Rep** 1986 Oct; 10(10):797–811
Ontogeny of T cells: development of pre-T cells from fetal liver and yolk sac in the thymus microenvironment. Eren R, et al. **Cell Immunol** 1987 Aug;108(1):76–84
Circadian synchronization of hepatocyte proliferation in young rats: the role played by adrenal hormones. Barbason H, et al. **Cell Tissue Kinet** 1987 Jan;20(1):57–67
Growth stimulation and apoptosis induced in cultures of neonatal rat liver cells by repeated exposures to epidermal growth factor/urogastrone with or without associated pancreatic hormones. Armato U, et al. **Cell Tissue Res** 1986; 245(3):471–80
Effects of phalloidin and cytochalasin B on cytoskeletal structures in cultured rat hepatocytes. Nickola I, et al. **Cell Tissue Res** 1986;245(3):635–41
Studies on satellite nucleoli in rat hepatocytes and Novikoff hepatoma cells. Smetana K, et al. **Cell Tissue Res** 1987 Jul;249(1):235–9
Effect of external factors on fetal liver hemopoietic proliferative activity. Cheng WY, et al. **Chin Med J [Engl]** 1986 Feb;99(2):151–4
Autoantibodies against liver cell membrane antigens detected by enzyme-linked immunosorbent assay in acute and chronic liver disease. Ohtani Y, et al. **Clin Immunol Immunopathol** 1987 Apr;43(1):9–22
A method for determining ploidy distributions in liver tissue by stereological analysis of nuclear size calibrated by flow cytometric DNA analysis. Danielsen H, et al. **Cytometry** 1986 Sep;7(5):475–80
Liver parenchymal cell proliferation during secondary induction with estradiol-17 beta in Xenopus. Spolski RJ, et al. **Dev Biol** 1987 Jun;121(2):301–5
Differential effect of growth factors on growth stimulation and phenotypic stability of glutamine-synthetase-positive and -negative hepatocytes in primary culture. Gebhardt R, et al. **Differentiation** 1986;33(1):45–55
Characterization of insulin degradation by rat-liver low-density vesicles. Pease RJ, et al. **Eur J Biochem** 1987 Apr 1;164(1):251–7
Autoantibodies to nuclear lamin B in a patient with thrombopenia. Guilly MN, et al. **Eur J Cell Biol** 1987 Apr; 43(2):266–72
Modulation of alpha-fetoprotein, albumin and transferrin gene expression by cellular interactions and dexamethasone in cocultures of fetal rat hepatocytes. Lescoat G, et al. **Eur J Cell Biol** 1987 Aug;44(1):128–34
Distinction between the G0 and the late G1 phase of rat cells in vivo and in vitro with the nuclear QDH-fluorescence pattern. Moser G, et al. **Eur J Cell Biol** 1987 Aug;44(1):156–60
Ultrastructure of ventral membranes of rat hepatocytes spread on type IV collagen. Nermut MV, et al. **Eur J Cell Biol** 1986 Oct;42(1):35–44
Adhesion-promoting factor from embryonic fibroblasts for normal liver epithelial cells. Yamada M, et al. **Eur J Cell Biol** 1987 Apr;43(2):230–4
Large granular lymphocytes or "pit cells" from rat liver: isolation, ultrastructural characterization and natural killer activity. Bouwens L, et al. **Eur J Immunol** 1987 Jan; 17(1):37–42
Long-term maintenance of hepatocytes in primary culture in the presence of DMSO: further characterization and effect of nafenopin, a peroxisome proliferator. Muakkassah-Kelly SF, et al. **Exp Cell Res** 1987 Jul; 171(1):37–51
In vitro induction of neonatal rat hepatocytes by direct contact with adult rat hepatocytes. Nakamura T, et al. **Exp Cell Res** 1987 Mar;169(1):1–14
Regulation of growth of cultured hepatic epithelial cells by transferrin. Tsao MS, et al. **Exp Cell Res** 1987 Jul; 171(1):52–62
Age-related polyploidization of hepatocytes: the cause and possible role. A mini-review. Medvedev ZA. **Exp Gerontol** 1986;21(4–5):277–82 (36 ref.)
Characterization of cultured stromal layers derived from fetal and adult hemopoietic tissues. Riley GP, et al. **Exp Hematol** 1987 Jan;15(1):78–84
Nuclear matrix and chromosome scaffold preparations of in vitro cultured bovine liver cells have two proteins in common. Pieck AC, et al. **FEBS Lett** 1987 Feb 23; 212(2):276–80
Acidic vesicles in cultured rat hepatocytes. Identification and characterization of their relationship to lysosomes and other storage vesicles. Lake JR, et al. **Gastroenterology** 1987 May; 92(5 Pt 1):1251–61
Translocation of epidermal growth factor to the hepatocyte nucleus during rat liver regeneration. Raper SE, et al. **Gastroenterology** 1987 May;92(5 Pt 1):1243–50
Identification and characterization of liver nonparenchymal cells by flow cytometry. Doolittle M, et al. **Hepatology** 1987 Jul–Aug;7(4):696–703
The isolation of functionally heterogeneous hepatocytes of the proximal and distal half of the liver acinus in the rat. Gumucio JJ, et al. **Hepatology** 1986 Sep–Oct;6(5):932–44
Characterization of desmin-positive rat liver sinusoidal cells. Tsutsumi M, et al. **Hepatology** 1987 Mar–Apr;7(2):277–84
Interaction of natural and synthetic albumin polymers with hepatocytes. Wright TL, et al. **Hepatology** 1987 Mar–Apr; 7(2):294–301
Lysosomal and non-lysosomal pathways of intracellular insulin degradation in isolated rat hepatocytes. Draznin B, et al. **Horm Res** 1981;15(4):252–62
Purified interleukin-1 (IL-1) from human monocytes stimulates acute-phase protein synthesis by rodent hepatocytes in vitro. Gauldie J, et al. **Immunology** 1987 Feb;60(2):203–7
Loss of growth hormone-dependent characteristics of rat hepatocytes in culture. Crabb DW, et al. **In Vitro Cell Dev Biol** 1987 Apr;23(4):303–7
Enrichment and characterization of clonogenic epithelial cells from adult rat liver and initiation of epithelial cell strains. Furukawa K, et al. **In Vitro Cell Dev Biol** 1987 May;23(5):339–48
Primary cultures of hepatocytes in serum and hormone-free medium: identification of conditions which stimulate an in vivo-like induction of G6PD. Manos P, et al. **In Vitro Cell Dev Biol** 1987 May;23(5):367–73
Synthesis of barbituric acid derivatives and their effect on survival of functional hepatocytes from adult rats in primary culture. Miyazaki M, et al. **In Vitro Cell Dev Biol** 1987 Jan;23(1):2–9
Effects of extracellular matrix components on the growth and differentiation of cultured rat hepatocytes. Sawada N, et al. **In Vitro Cell Dev Biol** 1987 Apr;23(4):267–73
Bioartificial liver: implanted artificial cells microencapsulated living hepatocytes increases survival of liver failure rats. Wong H, et al. **Int J Artif Organs** 1986 Sep;9(5):335–6
Receptor-mediated endocytosis in liver parenchymal cells. Geuze HJ, et al. **Int Rev Exp Pathol** 1986;29:113–71 (285 ref.)
Purification and characterization of a carboxylesterase from rabbit liver lysosomes. Tanaka M, et al. **J Biochem (Tokyo)** 1987 Mar;101(3):619–24
The high affinity (Ca2+-Mg2+)-ATPase in liver plasma membranes is a Ca2+ pump. Reconstitution of the purified enzyme into phospholipid vesicles. Pavoine C, et al. **J Biol Chem** 1987 Apr 15;262(11):5113–7
Identification and characterization of a heterogeneous population of growth hormone receptors in mouse hepatic membranes. Smith WC, et al. **J Biol Chem** 1987 Feb 15; 262(5):2213–9
Translocation of fatty acids across the basolateral rat liver plasma membrane is driven by an active potential-sensitive sodium-dependent transport system. Stremmel W. **J Biol Chem** 1987 May 5;262(13):6284–9
The role of ATP in the cytostructure of the hepatocytes. Katz J, et al. **J Cell Biochem** 1987 Feb;33(2):127–36
Involvement of leukocyte function-associated antigen-1 (LFA-1) in the invasion of hepatocyte cultures by lymphoma and T-cell hybridoma cells. Roos E, et al. **J Cell Biol** 1987 Jul;105(1):553–9
Proteoglycans and glycosaminoglycans induce gap junction synthesis and function in primary liver cultures. Spray DC, et al. **J Cell Biol** 1987 Jul;105(1):541–51
Dexamethasone and dimethylsulfoxide as distinct regulators of growth and differentiation of cultured suckling rat hepatocytes. Baribault H, et al. **J Cell Physiol** 1986 Oct; 129(1):77–84
Effects of EGF and calcium on adult parenchymal hepatocyte proliferation. Eckl PM, et al. **J Cell Physiol** 1987 Aug;132(2):363–6
Temporal requirement for epidermal growth factor and insulin in the stimulation of hepatocyte DNA synthesis. Sand TE, et al. **J Cell Physiol** 1987 May;131(2):141–8
Cell cycle parameters of adult rat hepatocytes in a defined medium. A note on the timing of nucleolar DNA replication. Vintermyr OK, et al. **J Cell Physiol** 1987 Jul; 132(1):12–21
Selective suppression of insulin-induced proliferation of cultured human hepatoma cells by somatostatin. Chou CK, et al. **J Clin Invest** 1987 Jan;79(1):175–8
Regulated progression of B lymphocyte differentiation from cultured fetal liver. Denis KA, et al. **J Exp Med** 1987 Aug 1;166(2):391–403
Alterations in guinea pig hepatocytes exposed to chlorinated hydrocarbons: membrane proliferation and excretion. Turner JN, et al. **J Exp Pathol** 1985 Summer;2(2):75–92
Isolation and characterization of a polarized isolated hepatocyte preparation in the skate Raja erinacea. Smith DJ, et al. **J Exp Zool** 1987 Mar;241(3):291–6
Fat storing cells (FSC) of rat liver synthesize and secrete fibronectin. Comparison with hepatocytes. Ramadori G, et al. **J Hepatol** 1987 Apr;4(2):190–7
A cytochemical stain for glutathione in rat hepatocytes cultured on plastic. Larrauri A, et al. **J Histochem Cytochem** 1987 Feb;35(2):271–4
Theoretical prerequisites for an experimental corroboration of the existence of a specialized cellular system in control of multicellular organism tissue proliferation. Dontsov VI. **J Hyg Epidemiol Microbiol Immunol** 1987;31(2):209–17
Functional maturation of murine B lymphocyte precursors. I. Selection of adherent cell-dependent precursors from bone marrow and fetal liver. Gisler RH, et al. **J Immunol** 1987 Apr 15;138(8):2427–32
Functional maturation of murine B lymphocyte precursors. II. Analysis of cells required from the bone marrow microenvironment. Gisler RH, et al. **J Immunol** 1987 Apr 15;138(8):2433–8
Cell membrane and transepithelial voltages and resistances in isolated rat hepatocyte couplets. Graf J, et al. **J Membr Biol** 1987;95(3):241–54
Floating on a water bath and mounting glycol methacrylate and hydroxypropyl methacrylate sections influence final dimensions. Gerrits PO, et al. **J Microsc** 1987 Jan;145 (Pt 1):107–13
Hepatocyte-like cells within the pancreas of rats fed methyl-deficient diets. Hoover KL, et al. **J Nutr** 1986 Aug; 116(8):1569–75
Diets varying in linoleic and linolenic acid content alter liver plasma membrane lipid composition and glucagon-stimulated adenylate cyclase activity. Morson LA, et al. **J Nutr** 1986 Dec;116(12):2355–62
Isolation of hepatocytes from postnatal mice. Harman AW, et al. **J Pharmacol Methods** 1987 Apr;17(2):157–63
Freshly prepared rat hepatocytes used in screening the toxicity of blue-green algal blooms. Berg K, et al. **J Toxicol Environ Health** 1987;20(1–2):187–97
Morphometric analysis of fetal rat hepatocytes cultured in monolayer or following gyratory shaking. Asada-Kubota M, et al. **J Ultrastruct Mol Struct Res** 1986 Jan;94(1):85–91
Intracytoplasmic eosinophilic inclusion bodies in the liver of beagle dogs. Harleman JH, et al. **Lab Anim Sci** 1987 Apr;37(2):229–31
Liver parenchymal cells differ from the fat-storing cells in their lipid composition. Hendriks HF, et al. **Lipids** 1987 Apr;22(4):266–73
Effect of lecithin on the release of 5'-nucleotidase from liver plasma membrane of rat by bile acids. Nokubo M. **Lipids** 1987 Jan;22(1):41–4
Blebbing, free Ca2+ and mitochondrial membrane potential preceding cell death in hepatocytes. Lemasters JJ, et al. **Nature** 1987 Jan 1–7;325(6099):78–81
Elevated blood glucose after compound 48/80 treatment is not related to hepatic mast cell degranulation in rats. Dimlich RV, et al. **Proc Soc Exp Biol Med** 1986 Dec; 183(3):321–7
Extracellular matrix regulation of cell-cell communication and tissue-specific gene expression in primary liver cultures. Fujita M, et al. **Prog Clin Biol Res** 1986;226:333–60 (89 ref.)
Role of cytodifferentiation and cell-cell communication in the androgen dependent expression of alpha 2u globulin gene in rat liver. Roy AK, et al. **Prog Clin Biol Res** 1986; 226:401–15 (24 ref.)
The effect of conditioned medium on fetal human liver cells in primary culture. Tokiwa T, et al. **Res Exp Med (Berl)** 1986;186(6):463–8
Estrogen memory effect in human hepatocytes during repeated cell division without hormone. Tam SP, et al. **Science** 1986 Dec 5;234(4781):1234–7
Interaction of thrombin, antithrombin III and their complex with hepatocytes: comparison of the molecular components of human and mouse origin. Kovács T, et al. **Thromb Res** 1987 Jun 15;46(6):875–80
Protective effect of prostaglandin I2 on hepatic

mitochondrial function of the preserved rat liver. Okabe K, et al. **Tohoku J Exp Med** 1986 Dec;150(4):373–9

Application of a hepatocyte–erythrocyte coincubation system to studies of cyanide antidotal mechanisms. Gee SJ, et al. **Toxicol Appl Pharmacol** 1987 Mar 30;88(1):24–34

Some aspects of the regulation of hepatocyte proliferation. Nadal C. **Toxicol Pathol** 1986;14(3):349–52

The metabolism of zearalenone in subcellular fractions from rabbit and hen hepatocytes and its estrogenic activity in rabbits. Pompa G, et al. **Toxicology** 1986 Dec 1;42(1):69–75

Investigation into the origin of mouse liver sinusoidal cells. Freudenberg N, et al. **Virchows Arch [A]** 1986;410(1):1–7

Fatty degeneration in cultured hepatocytes. A new experimental model. Vajta G, et al. **Virchows Arch [B]** 1986; 52(2):177–84

Effect of tryptophan on isolated hepatocytes of rats. Wang D, et al. **Virchows Arch [B]** 1987;53(2):125–32

Comparison of different procedures for the isolation of non-parenchymal rat liver cells. Kässner G, et al. **Z Med Lab Diagn** 1986;27(7):394–400

Lectin–histochemistry of the teleost intestine and liver under normal and starved conditions. Burkhardt P, et al. **Z Mikrosk Anat Forsch** 1987;101(2):301–17

Histological, histochemical and ultrastructural study of the hepatic pigment of the frog, Leptodactylus ocellatus, L. de Brito Gitirana L. **Z Mikrosk Anat Forsch** 1987; 101(2):331–8

[The culturing of liver cells] Krüstev L, et al. **Vet Med Nauki** 1986;23(9):87–94 (131 ref.) **(Bul)**

[Comparative study of enzyme histochemistry and two other indexes in toxicity experiments with isolated rat hepatocytes] Liu YF, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Dec;17(4):306–9 (Eng. Abstr.) **(Chi)**

[Freeze–replica study on the attachment of leptospires to cells in vivo] Peng HR, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Dec;17(4):261–4 (Eng. Abstr.) **(Chi)**

[Induction of phenotypic changes and effect of AFP gene expression in newborn rat liver cells with N-methyl-N-nitro-N-nitrosoguanidine and 3'-methyl-4-dimethylaminoazobenzene in vitro] Ge YP, et al. **Shih Yen Sheng Wu Hsueh Pao** 1986 Jun; 19(2):193–201 (Eng. Abstr.) **(Chi)**

[In vitro cultivation of Plasmodium cynomolgi bastianelli in hepatocytes of the Macaca rhesus] Millet P, et al. **Ann Parasitol Hum Comp** 1987;62(1):5–7 (Eng. Abstr.) **(Fre)**

[Release from human alpha 2-macroglobulin of a peptide inhibitor of G1-S transition of hepatocytes in vivo. Role of trypsin, thrombin and various chemical agents] Lambin P, et al. **C R Acad Sci [III]** 1987;304(19):477–80 (Eng. Abstr.) **(Fre)**

[Detection and purification of a liver microsomal enzyme inducing the release of a glycopeptide inhibitor of hepatocyte proliferation from human alpha 2 macroglobulin] Leborgne C, et al. **C R Soc Biol (Paris)** 1987;181(2):137–44 (Eng. Abstr.) **(Fre)**

[Culture of epithelial cell lines in chemically defined media on microcarriers in biogenerators] Mignot G, et al. **C R Soc Biol (Paris)** 1986;180(4):460–72 (Eng. Abstr.) **(Fre)**

[Function of non-parenchymal cells of the liver] Decker K. **Internist (Berlin)** 1987 Jul;28(7):420–8 (49 ref.) **(Ger)**

[Preservation of porcine livers by retrograde oxygen persufflation] Weber D, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(4):217–20 **(Ger)**

[Hepatocyte transplantation – development of a clinical model] Henne-Bruns D, et al. **Z Gastroenterol [Verh]** 1987 Apr;22:61–5 **(Ger)**

[The vascular pole of hepatocytes: structure, function and pathology] David H, et al. **Zentralbl Allg Pathol** 1986; 132(2):83–98 (Eng. Abstr.) **(Ger)**

[Functional characteristics of rat hepatocytes in primary culture] Palmero S, et al. **Boll Soc Ital Biol Sper** 1986 Aug 30;62(8):955–62 (Eng. Abstr.) **(Ita)**

[Establishment of mouse monoclonal antibodies against N-terminal peptide of type III procollagen and their use in a histochemical study of the human liver] Kondo H. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct;83(10):2174–80 (Eng. Abstr.) **(Jpn)**

[Binding ratio of rat liver cells to peripheral lymphocytes in patients with liver diseases] Takabatake K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov;83(11):2351–8 (Eng. Abstr.) **(Jpn)**

[Desmin filaments in cultured Ito cells] Yokoi Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jun;83(6):1230 **(Jpn)**

[Nuclear-cytoplasmic ratio and shape of erythroid cells of the reindeer embryo] Mongalev NP. **Arkh Anat Gistol Embriol** 1987 May;92(5):45–8 (Eng. Abstr.) **(Rus)**

[Ocular stereometric grid for research on the liver] Avtandilov GG, et al. **Biull Eksp Biol Med** 1986 Oct; 102(10):498–9 (Eng. Abstr.) **(Rus)**

[Isolation of periportal and centrolobular hepatocytes by isopycnic centrifugation] Panin LE, et al. **Biull Eksp Biol Med** 1987 Feb;103(2):172–4 (Eng. Abstr.) **(Rus)**

[Topographic distribution of dividing hepatocytes in the regenerating liver lobule in the period of maximum mitotic activity] Romanov IuA, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):597–8 (Eng. Abstr.) **(Rus)**

[Protective potential of hematopoietic cells of the embryonic liver during long-term culture] Samolina NL, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):93–6 (Eng. Abstr.) **(Rus)**

[4 discrete states of the supramolecular structure of interphase chromatin in hepatocytes] Nemirovskii LE, et al. **Dokl Akad Nauk SSSR** 1987;292(2):468–72 **(Rus)**

[Relation between the proliferative activity of hepatocytes and the number of epidermal growth factor receptors] Osipova LA, et al. **Dokl Akad Nauk SSSR** 1987; 295(3):753–6 **(Rus)**

[Autoradiographic study of the proliferative activity of bone marrow, spleen and liver cells in healthy mice and in mice with Rauscher virus-induced erythroleukemia] Rusev RV, et al. **Eksp Onkol** 1986;8(6):24–7 (Eng. Abstr.) **(Rus)**

[Analysis of the polyploidization kinetics of the parenchymal cells in the rat liver] Kudriavtsev BN, et al. **Tsitologiia** 1986 Aug;28(8):828–36 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The streptozotocin–prostaglandin interaction in Golgi apparatus of rat liver. Kordowiak AM. **Acta Biochim Pol** 1986;33(4):253–8

The effect of long-term ethanol treatment on a metal binding protein fraction in liver and kidneys of mice. Hopf G, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Jul;59(1):43–6

Influence of extracellular calcium on allyl alcohol-induced hepatotoxicity. Strubelt O, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Jul;59(1):47–52

Effect of estradiol on the protein synthesis in the female rat liver in vitro. Nikolov YT, et al. **Acta Physiol Pharmacol Bulg** 1987;13(1):46–51

Investigation of the immunological basis of halothane-induced hepatotoxicity. Satoh H, et al. **Adv Exp Med Biol** 1986;197:657–73

Comparison of N-methylformamide-induced hepatotoxicity and metabolism in rats and mice. Tulip K, et al. **Adv Exp Med Biol** 1986;197:941–50

Effect of acute ethanol administration on diamine oxidase activity in maternal, embryonal and fetal tissues. Sessa A, et al. **Agents Actions** 1987 Jun;21(1-2):49–53

Effects of alcohol on alpha-adrenergic receptor regulation of calcium ATPase in liver plasma membranes. Gandhi VC, et al. **Alcohol** 1987 Jan–Feb;4(1):25–30

The effect of long-term ethanol treatment on the polysome profile of brain, liver, and kidneys of mice. Hopf G, et al. **Alcohol Alcohol** 1986;21(3):277–9

Sensitivity difference to hepatotoxicity of cocaine in spontaneously hypertensive and Wistar Kyoto rats. Watanabe HK, et al. **Alcohol Drug Res** 1987;7(5–6):363–70

Effect of methylmercury on the activity of glutathione peroxidase in rat liver. Hirota Y. **Am Ind Hyg Assoc J** 1986 Sep;47(9):556–8

No effect of long-term oral testosterone treatment on liver morphology in men with alcoholic cirrhosis. Gluud C, et al. **Am J Gastroenterol** 1987 Jul;82(7):660–4

Effect of charge on hepatic specific nature of vesicle encapsulated insulin in conscious dogs. Spangler RS, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):E591–6

Isoniazid prophylaxis in hepatitis B carriers. McGlynn KA, et al. **Am Rev Respir Dis** 1986 Oct;134(4):666–8

A randomized prospective controlled study of the metabolism and hepatotoxicity of halothane in humans. Cousins MJ, et al. **Anesth Analg** 1987 Apr;66(4):299–308

Animal models of hepatic injury associated with halogenated anesthetics [letter] Cousins MJ, et al. **Anesth Analg** 1987 Aug;66(8):804

Halothane hepatotoxicity in guinea pigs. Lind RC, et al. **Anesth Analg** 1987 Mar;66(3):222–8

Genetic predisposition to liver damage after halothane anesthesia in guinea pigs. Lunam CA, et al. **Anesth Analg** 1986 Nov;65(11):1143–8

Potentiation of atracurium toxicity in isolated rat hepatocytes by inhibition of its hydrolytic degradation pathway. Nigrovic V, et al. **Anesth Analg** 1987 Jun;66(6):512–6

Comparative toxicity of atracurium and metocurine in isolated rat hepatocytes. Nigrovic V, et al. **Anesth Analg** 1986 Nov;65(11):1107–11

Hepatic dysfunction after isoflurane anesthesia. Stoelting RK, et al. **Anesth Analg** 1987 Feb;66(2):147–53

Energy deficits in hepatocytes isolated from phenobarbital-treated or fasted rats and briefly exposed to halothane and hypoxia in vitro. Becker GL, et al. **Anesthesiology** 1986 Oct;65(4):379–84

Hepatic effects of repeated halothane anesthetics in the hypoxic rat model. Plummer JL, et al. **Anesthesiology** 1987 Sep;67(3):355–60

Effect of glutathione on alterations of liver DNA structure and metabolic activities induced in vivo by 2-acetylaminofluorene. Cesarone CF, et al. **Anticancer Res** 1986 Nov-Dec;6(6):1283–6

Comparative toxicity and antioxidant activity of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine and its monoamine oxidase B-generated metabolites in isolated hepatocytes and liver microsomes. Ekström G, et al. **Arch Biochem Biophys** 1987 May 15;255(1):14–8

Vitamin E protection against chemical-induced cell injury. II. Evidence for a threshold effect of cellular alpha-tocopherol in prevention of adriamycin toxicity. Pascoe GA, et al. **Arch Biochem Biophys** 1987 Jul; 256(1):159–66

Quinone toxicity in hepatocytes without oxidative stress. Rossi L, et al. **Arch Biochem Biophys** 1986 Nov 15; 251(1):25–35

Liver structure and function during long-term treatment with cyproterone acetate. Kaiser E, et al. **Arch Gynecol** 1987; 240(4):217–23

Failure of phenobarbital or butanediol pretreatment to potentiate tienilic acid hepatotoxicity in vivo in the rat. Ayotte P, et al. **Arch Int Pharmacodyn Ther** 1987 Mar; 286(1):49–57

Growth, regression and cell death in rat liver as related to tissue levels of the hepatomitogen cyproterone acetate. Bursch W, et al. **Arch Toxicol** 1986 Dec;59(4):221–7

cis- and trans-1,2-diphenylaziridines: induction of xenobiotic-metabolizing enzymes in rat liver and mutagenicity in Salmonella typhimurium. Glatt HR, et al. **Arch Toxicol** 1986 Dec;59(4):242–8

The effects of ethanol, estrogen, and hexachlorobenzene on the activities of hepatic delta-aminolevulinate synthetase, delta-aminolevulinate dehydratase, and uroporphyrinogen decarboxylase in male rats. Kondo M, et al. **Arch Toxicol** 1986 Oct;59(3):141–5

Induction of monooxygenases and growth in rat liver by progesterone. Ochs H, et al. **Arch Toxicol** 1986 Oct; 59(3):146–9

Silver affects viability and structure of cultured mouse peritoneal macrophages and peroxidative capacity of whole mouse liver. Rungby J, et al. **Arch Toxicol** 1987 Apr; 59(6):408–12

Sex-related differences in NADPH-dependent lipid peroxidation induced by cadmium. Sato M, et al. **Arch Toxicol** 1986 Oct;59(3):156–9

Triphenyl tin hepatotoxicity in rats. Di Nucci A, et al. **Arch Toxicol [Suppl]** 1986;9:402–5

The effect of lead on protein and lactate dehydrogenase activity in hepatic slices cultured in vitro. Kucharz EJ, et al. **Arh Hig Rada Toksikol** 1986 Jun;37(2):225–9

Liver function and pharmacokinetics of molsidomine and its metabolite 3-morpholinosydnonimine in healthy volunteers. Wildgrube HJ, et al. **Arzneimittelforschung** 1986 Jul;36(7):1129–33

1,2-Dibromoethane causes rat hepatic DNA damage at low doses [published erratum appears in Biochem Biophys Res Commun 1987 Feb 13;142(3):1121] Kitchin KT, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):723–7

Human serum does contain a high molecular weight hepatocyte growth factor: studies pre- and post-hepatic resection. Selden C, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):361–6

Effect of BCNU pretreatment on diquat-induced oxidant stress and hepatotoxicity. Smith CV. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):415–21

Ca2+ ionophoretic activity of oligomers of prostaglandin B1 with isolated hepatocytes. Uribe S, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):1024–9

No synergism between ionomycin and phorbol ester in fatty acid synthesis by isolated rat hepatocytes. Vaartjes WJ, et al. **Biochem Biophys Res Commun** 1986 Sep 14; 139(2):403–9

Identification of a liver growth factor as an albumin–bilirubin complex. Díaz-Gil JJ, et al. **Biochem J** 1987 Apr 15; 243(2):443–8

Changes in free cytosolic calcium and accumulation of inositol phosphates in isolated hepatocytes by [Leu]enkephalin. Leach RP, et al. **Biochem J** 1986 Sep 1; 238(2):537–42

Differential effect of cis-platinum (cis-diamminedichloroplatinum) on regulation of liver and kidney haem and haemoprotein metabolism. Possible involvement of gamma-glutamyl-cycle enzymes. Maines MD. **Biochem J** 1986 Aug 1;237(3):713–21

Metabolic effects of D-glyceraldehyde in isolated hepatocytes. Maswoswe SM, et al. **Biochem J** 1986 Dec 15;240(3):771–6

Stimulation of hepatic glycogenolysis by phorbol 12-myristate 13-acetate. Patel TB. **Biochem J** 1987 Jan 15; 241(2):549–54

Effects of various basic compounds on the degradation of formaldehyde-treated 125I-labeled bovine serum albumin in mouse liver lysosomes. Matsumoto Y, et al. **Biochem Med Metab Biol** 1987 Apr;37(2):220–7

Hepatic effects of phenobarbitone in female mice fed sublethal levels of dietary cyanide. Obidoa O, et al. **Biochem Med Metab Biol** 1986 Feb;35(1):1–6

Effect of spin traps in isolated rat hepatocytes and liver microsomes. Albano E, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):3955–60

Increase in renal cytochrome P-450 and NADPH cytochrome c reductase activity following drug inhibition of hepatic monooxygenase activity. Barry M, et al. **Biochem Pharmacol** 1987 Mar 1;36(5):768–9

N-acetylcysteine and glutathione-dependent protective effect of PZ51 (Ebselen) against diquat-induced cytotoxicity in isolated hepatocytes. Cotgreave IA, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):2899–904

Dithiolthione-induced alterations in hepatic glutathione and related enzymes in male mice. Davies MH, et al. **Biochem Pharmacol** 1987 Feb 15;36(4):568–70

Josamycin and troleandomycin increase hepatic glutathione turnover in rats. Dore SP, et al. **Biochem Pharmacol** 1987 Aug 15;36(16):2691–3

Deficient induction of sulfobromophthalein conjugating activity by phenobarbital in hamster liver. Foliot A, et al. **Biochem Pharmacol** 1987 Aug 15;36(16):2617–20

Flavonoids as antioxidants evaluated by in vitro and in situ liver chemiluminescence. Fraga CG, et al. **Biochem Pharmacol** 1987 Mar 1;36(5):717–20

Killing of cultured hepatocytes by the mixed-function oxidation of ethoxycoumarin. Gerson RJ, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4311–9

Effect of medroxyprogesterone acetate on hepatic and placental drug metabolism in rats. Helferich WG, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3655–8

The role of acrolein in allyl alcohol–induced lipid peroxidation and liver cell damage in mice. Jaeschke H, et al. **Biochem Pharmacol** 1987 Jan 1;36(1):51–7

Hepatic indices of thyroid status in rats treated with 2,3,7,8–tetrachlorodibenzo–p–dioxin. Kelling CK, et al. **Biochem Pharmacol** 1987 Jan 15;36(2):283–91

Cytosolic calcium after carbon tetrachloride, 1,1–dichloroethylene, and phenylephrine exposure. Studies in rat hepatocytes with phosphorylase a and quin2. Long RM, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1215–21

Hepatotoxicity of N–methylformamide in mice—II. Covalent binding of metabolites of [14C]–labelled N–methylformamide to hepatic proteins. Pearson PG, et al. **Biochem Pharmacol** 1987 Feb 1;36(3):385–90

Hepatotoxicity of N–methylformamide in mice—I. Relationship to glutathione status. Pearson PG, et al. **Biochem Pharmacol** 1987 Feb 1;36(3):381–4

Mechanisms of fasting–induced potentiation of acetaminophen hepatotoxicity in the rat. Price VF, et al. **Biochem Pharmacol** 1987 Feb 15;36(4):427–33

Hepatotoxicity of precocene I in rats. Role of metabolic activation in vivo. Ravindranath V, et al. **Biochem Pharmacol** 1987 Feb 15;36(4):441–6

Biochemical changes associated with the potentiation of acetaminophen hepatotoxicity by brief anesthesia with diethyl ether. To EC, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4139–52

Lack of hepatotoxic interaction between the anticonvulsant drugs phenytoin, sodium valproate and phenobarbital in the rat. Walker RM, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3892–4

Reduced hepatic alpha–tocopherol content after long–term administration of ethanol to rats. Bjørneboe GE, et al. **Biochim Biophys Acta** 1987 Apr 24;918(3):236–41

The effect of dibutyryl cyclic AMP on the excretion of taurocholic acid from isolated rat liver cells. Botham KM, et al. **Biochim Biophys Acta** 1986 Dec 19;889(3):382–5

Insulin–like effect of epidermal growth factor in isolated rat hepatocytes. Modulation of the alpha–1–adrenergic stimulation of ureagenesis. García–Sáinz JA, et al. **Biochim Biophys Acta** 1986 Nov 28;889(2):266–9

Daunorubicin–induced DNA lesions in isolated rat hepatocytes and mammary epithelial cells. Howell SK, et al. **Biochim Biophys Acta** 1986 Dec 18;868(4):254–61

Assessment of the role of Ca2+ mobilization from intracellular pool(s), using dantrolene, in the glycogenolytic action of alpha–adrenergic stimulation in perfused rat liver. Mine T, et al. **Biochim Biophys Acta** 1987 Feb 18; 927(2):229–34

N–acetylglucosamine–insensitive glucose phosphorylation in isolated hepatocytes from rats fasted for 48 h. Nordlie RC, et al. **Biochim Biophys Acta** 1986 Nov 28;889(2):179–82

Cytotoxic effects of paraquat and inhibition of them by vitamin E. Watanabe N, et al. **Biochim Biophys Acta** 1986 Oct 1;883(3):420–5

Prospective study of liver function in children following multiple halothane anaesthetics at short intervals. Wark H, et al. **Br J Anaesth** 1986 Nov;58(11):1224–8

A liver DNA synthesis promoter induced in rat plasma by injection of dimethylnitrosamine (DMNA) or thioacetamide. Díaz–Gil JJ, et al. **Br J Cancer** 1987 Jun; 55(6):599–604

Comparative effects of famotidine and cimetidine on 7–ethoxycoumarin O–deethylase activity in human livers [letter] Imai Y, et al. **Br J Clin Pharmacol** 1986 Oct; 22(4):495–6

Oxicams: relative safety and anti–injury effects in rats. Whitehouse MW. **Br J Clin Pharmacol** 1986;22 Suppl 2:111S–116S

Ultrastructural changes in the parenchymal liver cells of rats treated with high doses of rifampicin. Piriou A, et al. **Br J Exp Pathol** 1987 Apr;68(2):201–7

TCDD, dietary iron and hepatic iron distribution in female rats. Al–Bayati ZA, et al. **Bull Environ Contam Toxicol** 1987 Feb;38(2):300–7

Morphofunctional changes in the liver of male mice after chronic treatment with phosphamidon. Bhatnagar P, et al. **Bull Environ Contam Toxicol** 1986 Nov;37(5):767–73

Changes in hepatic carbohydrate metabolism of the mouse, Mus booduga (gray), by hexachlorophene treatment. Prasad GV, et al. **Bull Environ Contam Toxicol** 1987 Jan; 38(1):157–62

The role of heme metabolism during the induction of hepatic and renal cytochrome P–450 levels and drug–metabolizing enzymes in rats by a Prudhoe Bay crude oil. Khan S, et al. **Can J Physiol Pharmacol** 1987 Jan;65(1):75–9

Effect of peroxisome proliferator carcinogens on unscheduled DNA synthesis in rat hepatocytes determined by autoradiography. Cattley RC, et al. **Cancer Lett** 1986 Dec; 33(3):269–77

Strain and species effects on the inhibition of hepatocyte intercellular communication by liver tumor promoters. Klaunig JE, et al. **Cancer Lett** 1987 Aug;36(2):161–8

Three industrial solvents investigated for tumor promoting activity in the rat liver. Lundberg I, et al. **Cancer Lett** 1987 Jul;36(1):29–33

Induction of DNA fragmentation and DNA repair synthesis in human and rat hepatocytes by diethylstilbestrol. Martelli A, et al. **Cancer Lett** 1987 Jul;36(1):19–27

Micronucleus formation induced in rat liver and esophagus by nitrosamines. Mehta R, et al. **Cancer Lett** 1987 Jun; 35(3):313–20

Antioxidant prevention of tumor promoter induced inhibition of mouse hepatocyte intercellular communication. Ruch RJ, et al. **Cancer Lett** 1986 Nov;33(2):137–50

Modulation of transcription in rat liver by benzo[a]pyrene. Shah GM, et al. **Cancer Lett** 1987 May;35(2):191–8

Promotion of hepatocarcinogenesis by suxibuzone in rats initiated with 3'–methyl–4–dimethylaminoazobenzene. Yanagi S, et al. **Cancer Lett** 1987 Jul;36(1):11–8

Dose–response curves for liver DNA fragmentation induced in rats by sixteen N–nitroso compounds as measured by viscometric and alkaline elution analyses. Brambilla G, et al. **Cancer Res** 1987 Jul 1;47(13):3485–91

Effect of allyl alcohol–induced sublethal hepatic damage upon doxorubicin metabolism and toxicity in the rabbit. Brenner DE, et al. **Cancer Res** 1987 Jun 15;47(12):3259–65

Anticarcinogenic and hepatotoxic interactions between retinyl acetate and butylated hydroxytoluene in rats. McCormick DL, et al. **Cancer Res** 1986 Oct;46(10):5264–9

Tannic acid–induced nucleolar changes in hepatocytes transplanted into syngeneic or xenogeneic host and in hepatocytes maintained in primary culture. Rao MS, et al. **Cancer Res** 1987 Mar 15;47(6):1657–62

Dose–response studies on the effects of alpha–, beta–, and gamma–hexachlorocyclohexane on putative preneoplastic foci, monooxygenases, and growth in rat liver. Schröter C, et al. **Cancer Res** 1987 Jan 1;47(1):80–8

Cytotoxicity of N,N–bis(2–chloroethyl)–N–nitrosourea in hypoxic rat hepatocytes. Veltman JC, et al. **Cancer Res** 1987 Oct 1;47(19):5087–91

Effects of 3'–methyl–4–dimethylaminoazobenzene on RNA processing in rat liver nuclei. Antoniades D, et al. **Carcinogenesis** 1987 Aug;8(8):1039–42

Protective role of thiols in carcinogen–induced DNA damage in rat liver. Chan JY, et al. **Carcinogenesis** 1986 Oct; 7(10):1621–4

Hepatocarcinogen–induced alterations in nuclear RNA compartmentation. Clawson GA, et al. **Carcinogenesis** 1987 Sep;8(9):1235–8

Induction of sister chromatid exchanges in cultured adult rat hepatocytes by directly and indirectly acting mutagens/carcinogens. Eckl PM, et al. **Carcinogenesis** 1987 Aug;8(8):1077–83

Lack of DNA damage or lipid peroxidation measured in vivo in the rat liver following treatment with peroxisomal proliferators. Elliott BM, et al. **Carcinogenesis** 1987 Sep; 8(9):1213–8

Simple elementary method for the quantification of focal liver lesions induced by carcinogens. Enzmann H, et al. **Carcinogenesis** 1987 Feb;8(2):231–5

Induction of the aromatic hydrocarbon receptor by trans–4–acetylaminostilbene in rat liver. Comparison with other aromatic amines. Göttlicher M, et al. **Carcinogenesis** 1987 Jul;8(7):1021–3

Chromium (VI)–induced DNA damage in chick embryo liver and blood cells in vivo. Hamilton JW, et al. **Carcinogenesis** 1986 Dec;7(12):2085–8

Enhancement of the clonability of adult parenchymal hepatocytes with the liver tumor promoter phenobarbital. Jirtle RL, et al. **Carcinogenesis** 1986 Nov;7(11):1813–7

Induction of alkoxyresorufin O–dealkylases, epoxide hydrolase, and liver weight gain: correlation with liver tumor–promoting potential in a series of barbiturates. Nims RW, et al. **Carcinogenesis** 1987 Jan;8(1):67–71

Lead nitrate induces certain biochemical properties characteristic of hepatocyte nodules. Roomi MW, et al. **Carcinogenesis** 1986 Oct;7(10):1643–6

In vitro steady–state levels of hydrogen peroxide after exposure of male F344 rats and female B6C3F1 mice to hepatic peroxisome proliferators. Tomaszewski KE, et al. **Carcinogenesis** 1986 Nov;7(11):1871–6

Inconsistent effects of all–trans retinoic acid on different clones of chemically transformed rat liver epithelial cells. Tsao MS, et al. **Carcinogenesis** 1987 Apr;8(4):497–501

Prevention by thioethers of the hepatotoxicity and covalent binding to macromolecules of N–hydroxy–2–acetylaminofluorene and its sulfate ester in rat liver in vivo and in vitro. van den Goorbergh JA, et al. **Carcinogenesis** 1987 Feb;8(2):275–9

The kinetics of nuclear polyploidization and tumour formation in livers of CF–1 mice exposed to dieldrin. van Ravenzwaay B, et al. **Carcinogenesis** 1987 Feb;8(2):265–9

Effects of ethinyl estradiol and tamoxifen on liver DNA turnover and new synthesis and appearance of gamma glutamyl transpeptidase–positive foci in female rats. Yager JD, et al. **Carcinogenesis** 1986 Dec;7(12):2007–14

Effect of Escherichia coli lipopolysaccharide on the microviscosity of liver plasma membranes and hepatocyte suspensions and monolayers. Portolés MT, et al. **Cell Biochem Funct** 1987 Jan;5(1):55–61

Transition vesicles of the cis Golgi apparatus face of rat liver are increased by retinol. Morré DJ, et al. **Cell Biol Int Rep** 1987 Feb;11(2):89–93

Lipid peroxidation and molecular damage to polyunsaturated fatty acids in rat liver. Recognition of two classes of hydroperoxides formed under conditions in vivo. Corongiu FP, et al. **Chem Biol Interact** 1986 Sep;59(2):147–55

Role of 1–methyl–4–phenylpyridinium ion formation and accumulation in 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine toxicity to isolated hepatocytes. Di Monte D, et al. **Chem Biol Interact** 1987;62(2):105–16

Cellular effects of N(4–ethoxyphenyl)p–benzoquinone imine, a p–phenetidine metabolite formed during peroxidase reactions. Larsson R, et al. **Chem Biol Interact** 1986 Dec; 60(3):317–30

Hepatic damage in the rat following administration of thyroxine or triiodothyronine, assessed by measurement of plasma glutathione S–transferase YaYa concentrations. Beckett GJ, et al. **Clin Chim Acta** 1986 Nov 30;161(1):69–79

The effect of transdermal oestrogen on bone, calcium–regulating hormones and liver in postmenopausal women. Selby PL, et al. **Clin Endocrinol (Oxf)** 1986 Nov; 25(5):543–7

Ethanol impairs biliary lysosomal enzyme release in rats. Sewell RB, et al. **Clin Exp Pharmacol Physiol** 1986 Oct; 13(10):745–50

Effect of cimetidine on renal and hepatic drug elimination: studies with triamterene. Muirhead MR, et al. **Clin Pharmacol Ther** 1986 Oct;40(4):400–7

Effect of albumin on taurocholate uptake kinetics in rat liver. Aldini R, et al. **Clin Sci** 1987 Jan;72(1):11–7

Colchicine does not provide a sustained blockage of collagen and plasma protein secretion by rat hepatocytes. Diegelmann RF, et al. **Coll Relat Res** 1987 Feb;6(6):493–503

Effects of inducer pretreatment on liver function and morphology in the mountain vole Microtus montanus. Hincks JR, et al. **Comp Biochem Physiol [C]** 1987; 86(2):343–7

Regulation of ketogenesis, gluconeogenesis, and glycogen synthesis by insulin and proinsulin in rat hepatocyte monolayer cultures. Agius L, et al. **Diabetes** 1986 Nov; 35(11):1286–93

Glyburide sensitizes perfused rat liver to insulin–induced suppression of glucose output. McGuinness OP, et al. **Diabetes** 1987 Apr;36(4):472–6

Effects of insulin and glucose on cultured rat hepatocyte gene expression. Mooradian AD, et al. **Diabetes** 1987 Aug; 36(8):938–43

Similar dose responsiveness of hepatic glycogenolysis and gluconeogenesis to glucagon in vivo. Stevenson RW, et al. **Diabetes** 1987 Mar;36(3):382–9

Altered action of glucagon on human liver in type 2 (non–insulin–dependent) diabetes mellitus. Arner P, et al. **Diabetologia** 1987 May;30(5):323–6

Serum gamma–glutamyl transpeptidase activity in patients receiving chronic phenytoin therapy. Keeffe EB, et al. **Dig Dis Sci** 1986 Oct;31(10):1056–61

Incubation of rat hepatic tumor cells with ethanol and acetaldehyde in vitro: effects on growth rate, albumin secretion and cellular protein content. Higgins PJ, et al. **Digestion** 1986;34(3):161–8

Effect of ethanol on liver cell–development in the male albino mouse. González–Reimers CE, et al. **Drug Alcohol Depend** 1987 Jan;19(1):35–44

Hepatotoxicity associated with choline magnesium trisalicylate: case report and review of salicylate–induced hepatotoxicity. Cersosimo RJ, et al. **Drug Intell Clin Pharm** 1987 Jul–Aug;21(7–8):621–5 (42 ref.)

Malathion toxicity: effect on the liver of the fish Brachydanio rerio (Cyprinidae). Kumar K, et al. **Ecotoxicol Environ Safety** 1986 Dec;12(3):199–205

Effect of calcitonin on phosphorylase a and glucose–6–phosphatase activities in the hepatic particulate glycogen of rats. Coprean D, et al. **Endocrinologie** 1987 Jan–Mar;25(1):15–9

Quantitative predictivity of carcinogenicity of the autoradiographic repair test (primary hepatocyte cultures) for a group of 80 chemicals belonging to different chemical classes. Bolognesi C, et al. **Environ Health Perspect** 1986 Dec;70:247–53

Hepatic effects of phthalate esters and related compounds—in vivo and in vitro correlations. Lake BG, et al. **Environ Health Perspect** 1986 Aug;67:283–90

Trichloroacetic acid effects on rat liver peroxisomes and enzyme–altered foci. Parnell MJ, et al. **Environ Health Perspect** 1986 Nov;69:73–9

Mechanisms of chloroform and carbon tetrachloride toxicity in primary cultured mouse hepatocytes. Ruch RJ, et al. **Environ Health Perspect** 1986 Nov;69:301–5

Histopathological changes induced in rat tissues by oral intake of lead acetate. Karmakar N, et al. **Environ Res** 1986 Oct;41(1):23–8

Subacute effects of nitrogen dioxide on membrane constituents of lung, liver, and kidney of rats. Takahashi Y, et al. **Environ Res** 1986 Oct;41(1):184–94

Actions of extracellular UTP and ATP in perfused rat liver. A comparative study. Häussinger D, et al. **Eur J Biochem** 1987 Aug 17;167(1):65–71

Examination of the structural requirements for proliferation of peroxisomes and mitochondria in mouse liver by hypolipidemic agents, with special emphasis on structural

analogues of 2-ethylhexanoic acid. Lundgren B, et al. **Eur J Biochem** 1987 Mar 2;163(2):423-31

A role of vitamin E in protection against cell injury. Maintenance of intracellular glutathione precursors and biosynthesis. Pascoe GA, et al. **Eur J Biochem** 1987 Jul 1;166(1):241-7

Stimulation of hepatic efflux and turnover of glutathione by methionine in the rat. Lauterburg BH, et al. **Eur J Clin Invest** 1986 Dec;16(6):494-9

Effects of cadmium chloride and D-galactosamine on liver nuclear proteins of starved hens. Palyga J. **Exp Biol** 1987; 46(3):163-8

Two independent effects of cortisol on chicken liver. Sancho MJ, et al. **Exp Clin Endocrinol** 1986 Dec;88(2):249-55

Influence of microinjection of insulin into hippocampus on hepatic acetate metabolism in rabbits. Seto K, et al. **Exp Clin Endocrinol** 1986 Aug;87(3):341-4

Glycogenolytic effect of cortisol previous to its interaction with the cell nucleus in mouse liver. Vallejo A, et al. **Exp Clin Endocrinol** 1986 Jul;87(2):201-7

Increased degradation in rat liver induced by antilipolytic agents: a model for studying autophagy and protein degradation in liver? Bergamini E, et al. **Exp Mol Pathol** 1987 Feb;46(1):114-22

Aflatoxin B1 and acetaminophen induce different cytoskeletal responses during prelethal hepatocyte injury. Koo EW, et al. **Exp Mol Pathol** 1987 Aug;47(1):37-47

Modification of hepatic proteins in rats exposed to high oxygen concentration. Starke PE, et al. **FASEB J** 1987 Jul;1(1):36-9

Internal perfusion of guinea-pig hepatocytes with buffered Ca2+ or inositol 1,4,5-trisphosphate mimics noradrenaline activation of K+ and Cl- conductances. Capiod T, et al. **FEBS Lett** 1987 Jun 15;217(2):247-52

Brefeldin A arrests the intracellular transport of a precursor of complement C3 before its conversion site in rat hepatocytes. Oda K, et al. **FEBS Lett** 1987 Apr 6; 214(1):135-8

Effect of starvation on the heptachlor toxicity in rabbits: biochemical changes in blood. Shakoori AR, et al. **Folia Biol (Krakow)** 1987;35(1-2):33-42

Effect of heptachlor on the liver of starved rabbits. Shakoori AR, et al. **Folia Biol (Krakow)** 1987;35(1-2):23-31

Freshly isolated hepatocytes as a model for studying the toxicity of paracetamol. Boobis AR, et al. **Food Chem Toxicol** 1986 Jun-Jul;24(6-7):731-6

The in vivo-in vitro hepatocyte assay for assessing DNA repair and DNA replication: studies in the CD-1 mouse. Doolittle DJ, et al. **Food Chem Toxicol** 1987 May; 25(5):399-405

Effect of subchronic dietary administration of butylated hydroxyanisole on canine stomach and hepatic tissue. Ikeda GJ, et al. **Food Chem Toxicol** 1986 Oct-Nov; 24(10-11):1201-21

A 12-week study of BHA in the cynomolgus monkey. Iverson F, et al. **Food Chem Toxicol** 1986 Oct-Nov; 24(10-11):1197-200

Comparison of the short-term hepatic effects of orally administered citral in Long Evans hooded and Wistar albino rats. Jackson GM, et al. **Food Chem Toxicol** 1987 Jul;25(7):505-13

Biochemical effects of two promoters of hepatocarcinogenesis in rats. Kitchin KT, et al. **Food Chem Toxicol** 1987 Aug;25(8):603-7

Effects of T-2 toxin gavage on the synthesis and contents of rat-liver macromolecules. Suneja SK, et al. **Food Chem Toxicol** 1987 May;25(5):387-92

Effects of toxic agents at the protein level: quantitative measurement of 213 mouse liver proteins following xenobiotic treatment. Anderson NL, et al. **Fundam Appl Toxicol** 1987 Jan;8(1):39-50

Effect of gavage vehicle on hepatotoxicity of carbon tetrachloride in CD-1 mice: corn oil versus Tween-60 aqueous emulsion. Condie LW, et al. **Fundam Appl Toxicol** 1986 Aug;7(2):199-206

Comparative toxicology of tetrachlorobiphenyls in mink and rats. I. Changes in hepatic enzyme activity and smooth endoplasmic reticulum volume. Gillette DM, et al. **Fundam Appl Toxicol** 1987 Jan;8(1):5-14

Effects of gut hormones on bile acid uptake and release in cultured rat hepatocytes. Shimizu I, et al. **Gastroenterol Jpn** 1987 Apr;22(2):174-8

Progressive bile duct injury after thiabendazole administration. Manivel JC, et al. **Gastroenterology** 1987 Aug;93(2):245-9

Amiodarone-induced lysosomal inclusions in primary cultures of human hepatocytes [letter] Yap SH, et al. **Gastroenterology** 1987 Jan;92(1):272-3

Increased adenylate energy charges in rat liver or primary cultured rat hepatocytes by diisopropyl 1,3-dithiol-2-ylidenemalonate. Itakura M, et al. **Gen Pharmacol** 1987;18(1):13-5

Inhibition of rat brain and liver protein synthesis by amphetamine. Roel LE, et al. **Gen Pharmacol** 1987; 18(1):17-20

Effect of forskolin on cAMP accumulation and ketogenesis in isolated hepatocytes. Al-Turk WA, et al. **Gen Pharmacol** 1986;17(5):577-80

Estrogen induction of liver proteins and high-density lipoprotein cholesterol: comparison between estradiol valerate and ethinyl estradiol. Ottosson UB, et al. **Gynecol Obstet Invest** 1986;22(4):198-205

Morphological changes after intra-arterial chemotherapy of the liver. Herrmann G, et al. **Hepatogastroenterology** 1987 Feb;34(1):5-9

Toxic effects of the photoproducts of chlorpromazine on cultured hepatocytes. Castell JV, et al. **Hepatology** 1987 Mar-Apr;7(2):349-54

Heterogeneous expression of phenobarbital-inducible cytochrome P-450 genes within the hepatic acinus in the rat. Chianale J, et al. **Hepatology** 1986 Sep-Oct;6(5):945-51

Effect of 16,16-dimethyl prostaglandin E2 on oxygen uptake and microcirculation in the perfused rat liver. Meren H, et al. **Hepatology** 1986 Sep-Oct;6(5):917-21

Hepatic inclusions during interferon therapy in chronic viral hepatitis. Schaff Z, et al. **Hepatology** 1986 Sep-Oct; 6(5):966-70

Ethanol-induced liver fibrosis in rats fed high fat diet. Tsukamoto H, et al. **Hepatology** 1986 Sep-Oct;6(5):814-22

Methionyl- and pituitary derived human growth hormone have identical effects on the expression of growth hormone responsive rat hepatic mRNA. Berry SA, et al. **Horm Res** 1987;25(1):24-8

Changes in plasma proteins in rats treated for short periods with hepatotoxins or with agents which induce cytochrome P450 isoenzymes. Makarananda K, et al. **Hum Toxicol** 1987 Mar;6(2):121-6

Drug-induced uroporphyria in chicken hepatocyte cultures. Ferioli A, et al. **IARC Sci Publ** 1986;(77):465-6

Time-course and extent of disturbance of the hepatic porphyrin pathway in hexachlorobenzene-exposed female rats. Koss G, et al. **IARC Sci Publ** 1986;(77):493-5

Induction of porphyria in cultured chick-embryo hepatocytes by halogenated aromatic compounds. Sinclair PR, et al. **IARC Sci Publ** 1986;(77):535-42

Histopathology of hamster cheek & liver following topical application of lime. Agrawal RC, et al. **Indian J Med Res** 1986 Nov;84:542-7

Effect of ACTH on glucose uptake by hepatic cells and its effect on hepatic enzymes in presence of insulin and acetylcholine. Pilo B, et al. **Indian J Physiol Pharmacol** 1986 Apr-Jun;30(2):155-60

Influences of diethylnitrosamine on longevity of surrounding hepatocytes and progression of transplanted persistent nodules during phenobarbital promotion of hepatocarcinogenesis. Hayes MA, et al. **Int J Cancer** 1987 Jul 15;40(1):58-63

Effects of retinoic acid on hepatic cytochrome P-450 dependent enzymes in rats under different vitamin A status. Periquet B, et al. **Int J Vitam Nutr Res** 1986;56(3):223-9

Combined vitamin E deficiency and ethanol pretreatment: liver glutathione and enzyme changes. Työppönen JT, et al. **Int J Vitam Nutr Res** 1986;56(3):241-5

Short-term effects of radiographic contrast media on monolayer cell cultures and hepatocytes. Nordby A, et al. **Invest Radiol** 1987 Jul;22(7):603-7

Effects of the exposure profile on the inhalation toxicity of carbon tetrachloride in male rats. Bogers M, et al. **J Appl Toxicol** 1987 Jun;7(3):185-91

Stimulation of lipid peroxidation and impairment of glutathione-dependent defence system in the liver of rats repeatedly treated with carbon tetrachloride. Süha Yalçin A, et al. **J Appl Toxicol** 1986 Aug;6(4):303-6

Effects of diflubenzuron on the mouse liver. Young MF, et al. **J Appl Toxicol** 1986 Oct;6(5):343-8

Stimulation of glycogenolysis and vasoconstriction in the perfused rat liver by the thromboxane A2 analogue U-46619. Fisher RA, et al. **J Biol Chem** 1987 Apr 5; 262(10):4631-8

Potassium-mediated stimulation of hepatic glycogenolysis. Hill CE, et al. **J Biol Chem** 1987 May 15;262(14):6623-7

Cystamine induces toxicity in hepatocytes through the elevation of cytosolic Ca2+ and the stimulation of a nonlysosomal proteolytic system. Nicotera P, et al. **J Biol Chem** 1986 Nov 5;261(31):14628-35

In vivo effects of dexamethasone and cycloheximide on the phosphorylation of 110-kDa proteins and the protein kinase activities of rat liver nucleoli. Suzuki N, et al. **J Biol Chem** 1987 Apr 5;262(10):4696-700

The effect of biosynthetic human proinsulin on the hepatic response to glucagon in insulin-deficient diabetes. Cohen RM, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):476-81

Hepatic effects of acetaminophen. Enhanced toxicity in alcoholics. Maddrey WC. **J Clin Gastroenterol** 1987 Apr; 9(2):180-5 (59 ref.)

Influence of Cl- on organic anion transport in short-term cultured rat hepatocytes and isolated perfused rat liver. Wolkoff AW, et al. **J Clin Invest** 1987 Apr;79(4):1259-68

Hepatotoxicity following treatment with maprotiline [letter] Aleem A, et al. **J Clin Psychopharmacol** 1987 Feb;7(1):54-5

Liver function tests during treatment with desipramine in children and adolescents. Hoge SK, et al. **J Clin Psychopharmacol** 1987 Apr;7(2):87-9

What is the degree of risk of hepatotoxicity for depressed patients receiving phenelzine therapy? Is the risk sufficient to require that we modify the written advice (as to diet and risks) that we regularly give our patients before we institute this therapy? Robinson DS, et al. **J Clin Psychopharmacol** 1987 Feb;7(1):61-2

Pancreatic dysfunction of female rats after subcutaneous administration of (nicotine) cigarette smoking residues. el-Sayed HI, et al. **J Egypt Soc Parasitol** 1987 Jun; 17(1):169-78

Effect of tri-iodothyronine on protein turnover in rat hepatocyte primary cultures. Gallo G, et al. **J Endocrinol** 1987 May;113(2):173-7

Studies on nonoxynol-9. IV. Biochemical and morphological effects in the liver, kidneys and lungs of rats following intravaginal and intraperitoneal administration. Chvapil M, et al. **J Environ Pathol Toxicol Oncol** 1986 Sep-Dec; 7(1-2):131-9

The effects of ethylene thiourea administration upon rat liver cells. Moller PC, et al. **J Environ Pathol Toxicol Oncol** 1986 May-Aug;6(5-6):127-42

Bipyridylium herbicide toxicity: effects of paraquat and diquat on isolated rat hepatocytes. Suleiman SA, et al. **J Environ Pathol Toxicol Oncol** 1987 Jan-Feb;7(3):73-84

Effects of two organophosphorus insecticides on some biochemical constituents in the nervous system and liver of rabbits. Enan E, et al. **J Environ Sci Health [B]** 1987 Apr;22(2):149-70

Antihepatotoxic actions of Formosan plant drugs. Yang LL, et al. **J Ethnopharmacol** 1987 Jan-Feb;19(1):103-10

Ferrite particles: a new magnetic resonance imaging contrast agent. Lack of acute or chronic hepatotoxicity after intravenous administration. Bacon BR, et al. **J Lab Clin Med** 1987 Aug;110(2):164-71

Pantethine inhibits cholesterol and fatty acid syntheses and stimulates carbon dioxide formation in isolated rat hepatocytes. Cighetti G, et al. **J Lipid Res** 1987 Feb; 28(2):152-61

Depression of hepatic dolichol levels by cholesterol feeding. Kabakoff BD, et al. **J Lipid Res** 1987 Mar;28(3):305-10

Chronic treatment of rats with primidone causes depletion of pteroylpentaglutamates in liver. Carl GF, et al. **J Nutr** 1987 May;117(5):970-5

The effect of dehydroepiandrosterone acetate on liver peroxisomal enzyme activities of male and female rats. Leighton B, et al. **J Nutr** 1987 Jul;117(7):1287-90

Mercaptans decrease selenium-dependent glutathione peroxidase activity in the chick. Mercurio SD, et al. **J Nutr** 1987 May;117(5):880-5

Hepatic failure following ingestion of multiple doses of acetaminophen in a young child. Smith DW, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep-Oct;5(5):822-5

Autoinduction of 450191-S, a new sleep inducer of 1H-1,2,4-triazolyl benzophenone derivative, in dogs. Koike M, et al. **J Pharmacobiodyn** 1986 Nov;9(11):909-16

Hypolipidemic effect and enhancement of peroxisomal beta-oxidation in the liver of rats by sodium-(E)-3-(4-(3-pyridylmethyl)phenyl)-2-methyl propenoate (OKY-1581), a potent inhibitor of TxA2 synthetase. Watanabe T, et al. **J Pharmacobiodyn** 1986 Dec; 9(12):1023-31

Effects of some hypolipidemic agents on biochemical values and hepatic peroxisomal enzymes in rats: comparison of probucol, CGA, KCD-232, MLM-160, AL-369 and clinofibrate with clofibrate. Watanabe T, et al. **J Pharmacobiodyn** 1987 Mar;10(3):142-7

Obesity as a risk factor in drug-induced organ injury: increased liver and kidney damage by acetaminophen in the obese overfed rat. Corcoran GB, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):921-7

A novel mechanism for the enhancement of acetaminophen hepatotoxicity by phenobarbital. Douidar SM, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):578-83

Antagonism of cocaine-induced hepatotoxicity by the alpha adrenergic antagonists phentolamine and yohimbine. James RC, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):726-32

An investigation of the relationship between the hepatotoxicity and the metabolism of N-alkylformamides. Kestell P, et al. **J Pharmacol Exp Ther** 1987 Jan; 240(1):265-70

Pre- or post-treatment with methoxsalen prevents the hepatotoxicity of acetaminophen in mice. Letteron P, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):559-67

Use of freshly prepared rat hepatocytes to study toxicity of blooms of the blue-green algae Microcystis aeruginosa and Oscillatoria agardhii. Aune T, et al. **J Toxicol Environ Health** 1986;19(3):325-36

Relationship between hepatotoxicity and induction of replicative DNA synthesis following single or multiple doses of carbon tetrachloride. Doolittle DJ, et al. **J Toxicol Environ Health** 1987;22(1):63-78

Methylated derivatives of pyrene and fluorene: evaluation of genotoxicity in the hepatocyte/DNA repair test and tumorigenic activity in newborn mice. Rice JE, et al. **J Toxicol Environ Health** 1987;21(4):525-32

Effect of monochlorobenzene on rat liver [letter] Roe FJ, et al. **J Toxicol Environ Health** 1987;21(4):535-8

Subclinical hepatic toxicity during combination chemotherapy for breast cancer. Larroquette CA, et al. **JAMA** 1986 Dec 5;256(21):2988-90

Hepatic abnormalities associated with aluminum loading in piglets. Klein GL, et al. **JPEN J Parenter Enteral Nutr** 1987 May-Jun;11(3):293-7

The protective effect of ascorbic acid on oxytetracycline induced nephrotoxicity and hepatotoxicity. Naseer F, et al. **JPMA** 1987 Mar;37(3):73-5

Inhibitory effects of pyrimidine, barbituric acid and pyridine derivatives on 5-fluorouracil degradation in rat liver extracts. Tatsumi K, et al. **Jpn J Cancer Res** 1987 Jul; 78(7):748-55

Effects of co-administration of monomethylaminoantipyrine and cobaltous chloride on hepatic glutathione level and glutathione-related enzyme activities in rats. Hoshi K, et

al. **Jpn J Pharmacol** 1987 Apr;43(4):335–9
Effects of essential oils on erythrocytes and hepatocytes from rats and dipalmitoyl phosphatidylcholine–liposomes. Manabe A, et al. **Jpn J Pharmacol** 1987 May;44(1):77–84
Biochemical mechanisms of toxic cell injury. Farber JL. **Klin Wochenschr** 1986;64 Suppl 7:142–3
Common structural features for cytoprotection activities of somatostatin, antamanide and related peptides. Kessler H, et al. **Klin Wochenschr** 1986;64 Suppl 7:74–8
Influence of somatostatin on galactosamine–induced liver injury. Limberg B, et al. **Klin Wochenschr** 1986;64 Suppl 7:64–5
Prevention of phalloidin–induced lesions on isolated rat hepatocytes by novel synthetic analogues of somatostatin. Rao GS, et al. **Klin Wochenschr** 1986;64 Suppl 7:79–86
Molecular aspects of cytoprotection by modified somatostatins. Ziegler K, et al. **Klin Wochenschr** 1986;64 Suppl 7:87–9
Proliferation of peroxisomes in pericentral hepatocytes of rat liver after administration of a new hypocholesterolemic agent (BM 15766). Sex–dependent ultrastructural differences. Baumgart E, et al. **Lab Invest** 1987 May; 56(5):554–64
Acetaldehyde–modified albumin as hepatotoxic factor [letter] Williams AJ, et al. **Lancet** 1987 Feb 7;1(8528):327
Tolerance to effects of clonidine and morphine on sulfobromophthalein disposition in mice. Ben–Zvi Z, et al. **Life Sci** 1987 Apr 20;40(16):1617–23
Studies on the mechanism of 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine cytotoxicity in isolated hepatocytes. Smith MT, et al. **Life Sci** 1987 Feb 23;40(8):741–8
Effect of oral hormone replacement therapy on liver function tests. Moore B, et al. **Maturitas** 1987 Apr;9(1):7–15
Liver damage with non–narcotic analgesics. Prescott LF. **Med Toxicol** 1986;1 Suppl 1:44–56 (137 ref.)
Development of the effect of an indifferentiated tumour extract on sinusoid littoral cells of young growing liver. Badran AF, et al. **Microsc Electron Biol Celular** 1985 Jun; 9(1):13–21
Evidence for increased membrane permeability of plasmalemmal vesicles from livers of phenobarbital–induced CCl4–intoxicated rats. Tsokos–Kuhn JO, et al. **Mol Pharmacol** 1986 Nov; 30(5):444–51
The interaction of ethanol with biological membranes: an overview. Taraschi TF, et al. **Monogr Pathol** 1987; (28):113–35 (84 ref.)
Potent mitogenic activity of 4–acetylaminofluorene to the rat liver. Ashby J, et al. **Mutat Res** 1986 Dec;172(3):271–9
Induction of unscheduled DNA synthesis in liver and micronucleus in bone marrow of rats exposed in vivo to the benzidine–derived azo dye, Direct Black 38. Beije B. **Mutat Res** 1987 Apr;187(4):227–34
Specific targets of alkylating agents in nuclear proteins of cultured hepatocytes. Boffa LC, et al. **Mutat Res** 1987 Feb; 190(2):119–23
A comparative study of hepatic DNA repair, DNA replication and hepatotoxicity in the CD–1 mouse following multiple administrations of dimethylnitrosamine. Doolittle DJ, et al. **Mutat Res** 1987 Jun;188(2):141–7
Comparative genotoxic effects of IQ and MeIQ in Salmonella typhimurium and cultured mammalian cells. Holme JA, et al. **Mutat Res** 1987 Apr;187(4):181–90
Genotoxicity of a variety of nitroarenes and other nitro compounds in DNA–repair tests with rat and mouse hepatocytes. Mori H, et al. **Mutat Res** 1987 Feb; 190(2):159–67
Acute toxicity of sterigmatocystin to chicks. Sreemannarayana O, et al. **Mycopathologia** 1987 Jan; 97(1):51–9
Hepatotoxicity of ketoconazole in men and in patients under 50 [letter] **N Engl J Med** 1987 Jun 18;316(25):1606–7
Ketoconazole impairs biliary excretory function in the isolated perfused rat liver. Gaeta GB, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jun; 335(6):697–700
Differential response of chick liver and brain membranes to short ethanol treatment. Marco C, et al. **Neurochem Res** 1986 Sep;11(9):1249–60
Cytoprotective effect of 16,16' dimethyl prostaglandin E2 (dm PGE2) on streptozotocin–induced biochemical alterations of Golgi–rich membrane fraction in comparison with morphology of rat liver Golgi apparatus in situ. Kordowiak AM. **Pathol Res Pract** 1986 Aug; 181(4):397–401
Increased CT density of the liver due to cis–diaminedichloro platinum (II). Aihara T, et al. **Pediatr Radiol** 1987; 17(1):75–6
Liver function following hypovolemic hypotension in rats anaesthetized with halothane or enflurane. Masini E, et al. **Pharmacol Res Commun** 1986 Sep;18(9):847–56
Biochemical and morphological changes induced by sodium valproate in rat liver. Cotariu D, et al. **Pharmacol Toxicol** 1987 Mar;60(3):235–6
Toxicity of promazine and chlorpromazine to isolated rat hepatocytes and its modification by liposome entrapment. Salhab AS, et al. **Pharmacology** 1986;33(6):311–21
Hepatic fatty acid profiles in aflatoxin–exposed broiler chickens. Merkley JW, et al. **Poult Sci** 1987 Jan;66(1):59–67
Reversible hepatic black pigmentation and enzyme alteration induced by prolonged feeding of high dose of crocin dyes in rats. Wang CJ, et al. **Proc Natl Sci Counc Repub China [B]** 1984 Jul;8(3):246–53
Cytochemical and ultrastructural changes in aflatoxin–induced injury to rat liver cells. Wang JJ, et al. **Proc Natl Sci Counc Repub China [B]** 1984 Apr;8(2):135–42
The role of free radicals in liver damage. Dianzani MU. **Proc Nutr Soc** 1987 Feb;46(1):43–52
Liver scarring induced by polychlorinated biphenyl administration to mice previously treated with diethylnitrosamine. Gans JH, et al. **Proc Soc Exp Biol Med** 1986 Nov;183(2):207–13
Biphasic effect of methadone on hepatic drug metabolism. Komthong S, et al. **Proc Soc Exp Biol Med** 1987 Jan; 184(1):40–6
The electrogenic effect of sodium taurocholate on rat hepatocyte couplets. Bear C, et al. **Proc West Pharmacol Soc** 1987;30:109–11
Solvents and the liver. Klockars M. **Prog Clin Biol Res** 1986; 220:139–54 (43 ref.)
Effects of organic solvents on liver cell morphology. Nickels J. **Prog Clin Biol Res** 1986;220:115–9
Valorization of rapeseed meal. 3. Effects of glucosinolate content on food intake, weight gain, liver weight and plasma thyroid hormone levels in growing rats. Vermorel M, et al. **Reprod Nutr Dev** 1987;27(1A):57–66
On the mechanisms of the CCl4–induced inhibition of liver cytochrome P–450. Ferrali M, et al. **Res Commun Chem Pathol Pharmacol** 1987 Jun; 56(3):375–86
The effect of chronic oral ketoconazole on in vivo drug metabolism in the rat. Jiritano L, et al. **Res Commun Chem Pathol Pharmacol** 1986 Nov; 54(2):173–80
Endotoxin–induced changes in nitrogen metabolism. Kilpatrick–Smith L, et al. **Res Commun Chem Pathol Pharmacol** 1986 Sep; 53(3):381–98
Some biological effects of calvatic acid and its analog on isolated hepatocytes. Miglietta A, et al. **Res Commun Chem Pathol Pharmacol** 1987 May; 56(2):265–72
Effect of various barbituric acid derivatives on survival of functional hepatocytes from adult rats in primary culture. Miyazaki M, et al. **Res Exp Med (Berl)** 1987;187(2):105–17
The effect of prostaglandins E2 and F2 alpha on the vascular bed of the isolated perfused rabbit liver during perfusion with the erythrocyte–free medium and autologous blood. Macek K, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1984; 27(4):463–76
Effects of H2–receptor antagonists on the rat liver after partial hepatectomy or carbon tetrachloride–induced hepatic injury. Lee SD, et al. **Scand J Gastroenterol** 1986 Oct;21(8):984–90
Vitamin K counteracts the effect of warfarin in liver but not in bone. Price PA, et al. **Thromb Res** 1987 Apr 1; 46(1):121–31
Cytotoxicities of sodium benzoate in primary culture of hepatocytes from adult rat liver. Oyanagi K, et al. **Tohoku J Exp Med** 1987 May;152(1):47–51
Inhibition of the acute toxicity of methyl chloride in male B6C3F1 mice by glutathione depletion. Chellman GJ, et al. **Toxicol Appl Pharmacol** 1986 Oct;86(1):93–104
Toxicity of calcium ionophore A23187 in monolayers of hypoxic hepatocytes. Costa AK, et al. **Toxicol Appl Pharmacol** 1987 Jan;87(1):43–7
Increased permeability of the rat biliary tree by 2,3,7,8–tetrachlorodibenzo–p–dioxin (TCDD) treatment and protection by hepatoactive agents. Davidson MD, et al. **Toxicol Appl Pharmacol** 1987 Jan;87(1):57–66
Hepatic peroxisome proliferation and hypolipidemic effects of di(2–ethylhexyl)phthalate in neonatal and adult rats. Dostal LA, et al. **Toxicol Appl Pharmacol** 1987 Jan; 87(1):81–90
Examination of the differential hepatotoxicity of diallyl phthalate in rats and mice. Eigenberg DA, et al. **Toxicol Appl Pharmacol** 1986 Oct;86(1):12–21
Codeine–mediated hepatotoxicity in isolated rat hepatocytes. Ellington SP, et al. **Toxicol Appl Pharmacol** 1987 Aug; 90(1):156–65
Potentiation of vitamin A hepatotoxicity by butylated hydroxytoluene. McCormick DL, et al. **Toxicol Appl Pharmacol** 1987 Aug;90(1):1–9
Inhibition of galactosamine cytotoxicity in an in vivo/in vitro hepatocellular toxicity model. MacDonald JR, et al. **Toxicol Appl Pharmacol** 1987 Jun 30;89(2):269–77
The effect of tridiphane (2–(3,5–dichlorophenyl)–2–(2,2,2–trichloroethyl)oxirane) on hepatic epoxide–metabolizing enzymes: indications of peroxisome proliferation. Moody DE, et al. **Toxicol Appl Pharmacol** 1987 Jun 15;89(1):37–48
Hepatic effects of acrylamide in rainbow trout. Petersen DW, et al. **Toxicol Appl Pharmacol** 1987 Jun 30;89(2):249–55
The effect of 3,4,3',4'–tetrachlorobiphenyl on plasma retinol and hepatic retinyl palmitate hydrolase activity in female Sprague–Dawley rats. Powers RH, et al. **Toxicol Appl Pharmacol** 1987 Jul;89(3):370–7
Halothane hepatotoxicity in Fischer 344 rats pretreated with isoniazid. Rice SA, et al. **Toxicol Appl Pharmacol** 1987 Mar 15;87(3):411–9
Effects of 2,3,7,8–tetrachlorodibenzo–p–dioxin on hepatic and uterine estrogen receptor levels in rats. Romkes M, et al. **Toxicol Appl Pharmacol** 1987 Feb;87(2):306–14
Inhibition of intercellular communication between mouse hepatocytes by tumor promoters. Ruch RJ, et al. **Toxicol Appl Pharmacol** 1987 Jan;87(1):111–20
In vivo 31P NMR studies of the hepatic response to L–ethionine in anesthetized rats. Smith LJ, et al. **Toxicol Appl Pharmacol** 1987 May;88(3):346–53
In vitro cytotoxicity of allyl alcohol and bromobenzene in a novel organ culture system. Smith PF, et al. **Toxicol Appl Pharmacol** 1987 Mar 15;87(3):509–22
Menadione–induced oxidative stress in hepatocytes isolated from fed and fasted rats: the role of NADPH–regenerating pathways. Smith PF, et al. **Toxicol Appl Pharmacol** 1987 Jun 30;89(2):190–201
Paracetamol, 3–monoalkyl– and 3,5–dialkyl derivatives: comparison of their hepatotoxicity in mice. van de Straat R, et al. **Toxicol Appl Pharmacol** 1987 Jun 30;89(2):183–9
Selective effects of N–acetylcysteine stereoisomers on hepatic glutathione and plasma sulfate in mice. Wong BK, et al. **Toxicol Appl Pharmacol** 1986 Dec;86(3):421–9
Alteration of mitochondrial structure and heme biosynthetic parameters in liver and kidney cells by bismuth. Woods JS, et al. **Toxicol Appl Pharmacol** 1987 Sep 15;90(2):274–83
Protection against hepatic injury by a novel spiropiperidine derivative. Yasuda H, et al. **Toxicol Appl Pharmacol** 1986 Sep 30;85(3):398–406
Structure–activity relationships for induction of peroxisomal enzyme activities by phthalate monoesters in primary rat hepatocyte cultures. Lake BG, et al. **Toxicol Ind Health** 1987 Jun;3(2):165–83
Inhibition of the effects of thyroid hormone on rat liver by 5,5'–diphenylthiohydantoin. Schaffer WT, et al. **Toxicol Ind Health** 1985 Sep;1(1):45–55
Lindane–induced changes in glucose and glutathione levels in cats. Agrawal D, et al. **Toxicol Lett** 1987 Sep; 38(1–2):77–82
Menadione causes selective toxicity to periportal regions of the liver lobule. Badr M, et al. **Toxicol Lett** 1987 Feb; 35(2–3):241–6
Comparative changes in hepatic DNA, RNA, protein, lipid, and glycogen induced by a subtoxic dose of CCl4 in chlordecone, mirex, and phenobarbital pretreated rats. Bell AN, et al. **Toxicol Lett** 1987 Feb;35(2–3):191–200
Comparison of the acute toxicity of endothal and cantharidic acid on mouse liver in vivo. Graziano MJ, et al. **Toxicol Lett** 1987 Jul;37(2):143–8
Carbon tetrachloride and trichloroethylene toxicities to rat hepatocytes in primary monolayer culture: its relationship to the level of cytochrome P–450. Kato H, et al. **Toxicol Lett** 1986 Nov;34(1):55–66
Decreased pulmonary drug metabolism in mice treated with the PCB metabolite 4–methylsulphonyl–2,2',5,5'–tetrachlorobiphenyl. Lund BO, et al. **Toxicol Lett** 1986 Sep;32(3):261–7
Cadmium toxicity in the isolated perfused rat liver. Lupo S, et al. **Toxicol Lett** 1986 Nov;34(1):5–11
Disturbances in hepatic heme metabolism in rats administered alkyl halides. Moody DE, et al. **Toxicol Lett** 1986 Sep; 32(3):209–14
Effects of 1,3–bis(2–chloroethyl)–1–nitrosourea (BCNU) on the levels of glutathione and lipid peroxidation and the activity of glutathione reductase in liver and lung. Nakagawa Y. **Toxicol Lett** 1987 Feb;35(2–3):269–75
Genotoxicity of the pyrrolizidine alkaloid jacobine in rats [published erratum appears in Toxicol Lett 1987 Mar;36(1):104] Petry TW, et al. **Toxicol Lett** 1986 Sep; 32(3):275–81
Hepatotoxicity of metals in glutathione–depleted mice. Siegers CP, et al. **Toxicol Lett** 1986 Dec;34(2–3):185–91
Functional consequences of prenatal methylmercury exposure: effects on renal and hepatic responses to trophic stimuli and on renal excretory mechanisms. Slotkin TA, et al. **Toxicol Lett** 1986 Dec;34(2–3):231–45
Morphometric analysis of cultured hepatocytes exposed to benoxaprofen. Sorensen EM. **Toxicol Lett** 1986 Dec; 34(2–3):277–86
Inhibitory effect of reserpine on N–2–fluorenylacetamide–induced hepatocarcinogenesis in rats. Sugie S, et al. **Toxicol Lett** 1987 Jul;37(2):115–9
Acyl CoA oxidase is the most suitable marker for hepatic peroxisomal changes caused by treatment of F344 rats with di(2–ethylhexyl)phthalate. Tomaszewski KE, et al. **Toxicol Lett** 1987 Aug;37(3):203–12
L–asparaginase effects on inhibition of protein synthesis and lowering of the glutamine content in cultured rat hepatocytes. Villa P, et al. **Toxicol Lett** 1986 Sep; 32(3):235–41
Enhancement of cadmium–induced metallothionein synthesis in cultured TRL 1215 cells by butyric acid pretreatment. Waalkes MP, et al. **Toxicol Lett** 1986 Sep;32(3):289–94
Effect of glutathione and N–acetylcysteine on hepatocellular modifications induced by 2–acetylaminofluorene. Cesarone CF, et al. **Toxicol Pathol** 1986;14(4):445–50
Rapid changes in glucose metabolism following the administration of ethionine: its role in regulating hepatic protein synthesis. Lyon AW, et al. **Toxicol Pathol** 1986; 14(4):424–9
Further studies on the tumor–initiating activity of the beta–blocker DL–ZAMI 1305. Pacces N, et al. **Toxicol Pathol** 1986;14(4):470–6
Studies on the mechanisms by which tumor promoters stimulate the growth of primary neonatal rat hepatocytes. Romano F, et al. **Toxicol Pathol** 1986;14(3):375–85

The modulation by metallothionein of cadmium-induced cytotoxicity in primary hepatocyte cultures. Beattie JH, et al. **Toxicology** 1987 Jun;44(3):329–39

Rapid halogenated hydrocarbon toxicity in isolated hepatocytes is mediated by direct solvent effects. Berger ML, et al. **Toxicology** 1987 Sep;45(3):319–30

Short-term inhibition of fatty acid biosynthesis in isolated hepatocytes by mono-aromatic compounds. Beynen AC, et al. **Toxicology** 1982;24(3–4):183–97 (43 ref.)

On the mechanisms of glutathione depletion in hepatocytes exposed to morphine and ethylmorphine. Eklöw-Låstbom L, et al. **Toxicology** 1986 Dec 1;42(1):13–21

D-penicillamine induces rat hepatic metallothionein. Heilmaier HE, et al. **Toxicology** 1986 Dec 1;42(1):23–31

Dose-dependent study of the effects of acute lindane administration on rat liver superoxide anion production, antioxidant enzyme activities and lipid peroxidation. Junqueira VB, et al. **Toxicology** 1986 Oct;41(2):193–204

Effect of prolonged administration of clofibric acid and di-(2-ethylhexyl)phthalate on hepatic enzyme activities and lipid peroxidation in the rat. Lake BG, et al. **Toxicology** 1987 May;44(2):213–28

In vivo and in vitro hepatotoxicity and metabolism of acetaminophen in Syrian hamsters. Lupo S, et al. **Toxicology** 1987 May;44(2):229–39

Effect of cadmium on essential metal concentrations in testis, liver and kidney of five inbred strains of mice. Maitani T, et al. **Toxicology** 1986 Dec 15;42(2–3):121–30

Furosemide toxicity in isolated mouse hepatocyte suspensions. Massey TE, et al. **Toxicology** 1987 Feb; 43(2):149–60

Effects of cadmium in rat hepatocytes: interaction with aluminum. Müller L, et al. **Toxicology** 1987 May; 44(2):193–201

Induced synthesis of metallothionein by ascorbic acid in mouse liver. Onosaka S, et al. **Toxicology** 1987 Mar; 43(3):251–9

Time and dose study on the response of rats to the hypolipidaemic drug fenofibrate. Price SC, et al. **Toxicology** 1986 Oct;41(2):169–91

Carbon tetrachloride-induced release of calcium from isolated hepatocytes. Ray P, et al. **Toxicology** 1986 Oct; 41(2):205–12

Silver-induced lipid peroxidation in mice: interactions with selenium and nickel. Rungby J. **Toxicology** 1987 Aug; 45(2):135–42

Dimethylformamide (DMF) hepatotoxicity. Scailteur V, et al. **Toxicology** 1987 Mar;43(3):231–8

The amelioration of cadmium-induced injury in isolated hepatocytes by reduced glutathione. Stacey NH. **Toxicology** 1986 Dec 1;42(1):85–93

Enhancement by glutathione depletion of ethanol-induced acute hepatotoxicity in vitro and in vivo. Strubelt O, et al. **Toxicology** 1987 Aug;45(2):213–23

Polychlorinated terphenyls: alterations in liver morphology and induction of cytochrome P-450. Toftgård R, et al. **Toxicology** 1986 Oct;41(2):131–44

The 3-methylcholanthrene-mimetic effect of 4,4'-dichlorobiphenyl-treatment on phenacetin-induced hepatic glutathione depletion and liver microsomal phenacetin O-deethylation in rats. van Bree L, et al. **Toxicology** 1986 Dec 15;42(2–3):259–74

Effect of cord factor, a toxic glycolipid from Mycobacterium tuberculosis, on mouse liver drug metabolizing enzymes. Batra JK, et al. **Toxicon** 1987;25(3):345–9

Ultrastructural changes in the mouse liver induced by hepatotoxin from the freshwater cyanobacterium Microcystis aeruginosa strain 7820. Dabholkar AS, et al. **Toxicon** 1987;25(3):285–92

Histopathological studies on experimental marine toxin poisoning. I. Ultrastructural changes in the small intestine and liver of suckling mice induced by dinophysistoxin-1 and pectenotoxin-1. Terao K, et al. **Toxicon** 1986; 24(11–12):1141–51

Concentration of some important elements in the liver of young cattle supplemented with selenite enriched feed. Frank A, et al. **Zentralbl Veterinarmed [A]** 1986 Aug; 33(6):422–5

[Changes in amoxicillin pharmacokinetics in white rats with experimentally damaged kidneys and liver] Lashev L, et al. **Vet Med Nauki** 1987;24(1):57–63 (Eng. Abstr.) **(Bul)**

[Multi-drug therapy trials for leprosy in Senegal: first observations relative to liver tolerance of multibacillary patients. Therapeutic consequences] Millan J, et al. **Acta Leprol (Geneve)** 1986 Oct-Dec;(103):427–44 (Eng. Abstr.) **(Fre)**

[Effects of enflurane and halothane on hepatic function in biliary surgery] Burde A, et al. **Cah Anesthesiol** 1986 Nov; 34(7):553–60 (Eng. Abstr.) **(Fre)**

[Hepatic and peripheral resistance to the action of insulin in non-insulin-dependent diabetes] Gerich JE, et al. **Journ Annu Diabetol Hotel Dieu** 1987;:267–79 **(Fre)**

[Hepatopathy with a progressive course after one-time administration of (chloro-2-ethyl)-1-cyclohexyl-3-nitroso-1-uréa (CCNU) in rats] Viotte G, et al. **Pathol Biol (Paris)** 1987 Feb; 35(2):139–44 (Eng. Abstr.) **(Fre)**

[Distribution in the body and functional effects of fluorocarbons used as oxygen carriers] Lutz J, et al. **Rev Fr Transfus Immunohematol** 1986 Dec;29(6):443–53 (Eng. Abstr.) **(Fre)**

[Is halothane an inert substance? Review and personal research] De Moor A. **Berl Munch Tierarztl Wochenschr** 1987 Jun 1;100(6):181–7 (92 ref.) (Eng. Abstr.) **(Ger)**

[Effects of a chlormadinone acetate-containing ovulation inhibitor on androgenization pictures and liver and lipid metabolism in young females] Cirkel U, et al. **Geburtshilfe Frauenheilkd** 1986 Jul;46(7):439–43 (Eng. Abstr.) **(Ger)**

[Morphology, incidence and clinical significance of changes in the liver parenchyma following use of hormonal contraceptives] Mölleken K. **Z Gesamte Inn Med** 1986 Nov 15;41(22):618–23 (Eng. Abstr.) **(Ger)**

[Dilatation of the sinusoids in liver tissue caused by oral contraceptives. Electron microscopy studies in 14 cases of surgical liver excision] Balázs M, et al. **Morphol Igazsagugyi Orv Sz** 1987 Jan;27(1):1–8 (Eng. Abstr.) **(Hun)**

[Toxic effect on rat hepatocytes induced by the oral administration of a bacitracin-neomycin combination] Canonero R, et al. **Boll Soc Ital Biol Sper** 1986 Jul 30; 62(7):865–70 (Eng. Abstr.) **(Ita)**

[Norfloxacin: hepatic tolerance] Tarantino G, et al. **Clin Ter** 1986 Dec 31;119(6):471–4 (Eng. Abstr.) **(Ita)**

[Liver function in man after general anesthesia with isoflurane. Clinical experience] D'Eramo C. **Minerva Anestesiol** 1986 Jun-Jul;52(6–7):203–7 (Eng. Abstr.) **(Ita)**

[Changes and induction of drug-metabolizing enzymes in rats with hepatic injuries] Fujisaki K. **Fukuoka Igaku Zasshi** 1986 Sep;77(9):490–9 (Eng. Abstr.) **(Jpn)**

[Experimental study on rat hepatic injury by copper—effect of copper overload on the cholestatic liver induced by bile duct ligation] Shibuya H. **Hokkaido Igaku Zasshi** 1987 May; 62(3):434–41 (Eng. Abstr.) **(Jpn)**

[Effect of single or consecutive administration of T-2588 on hepatic-injured male rats] Shimotori T, et al. **Jpn J Antibiot** 1986 Sep;39(9):2307–23 (Eng. Abstr.) **(Jpn)**

[Prospective study of postoperative liver function after repeated anesthesia within one year] Tanaka K, et al. **Masui** 1986 Aug;35(8):1256–9 (Eng. Abstr.) **(Jpn)**

[Effect of dietary protein quality on chlorobenzene metabolism and its toxicity in rats] Yoshida M, et al. **Nippon Eiseigaku Zasshi** 1986 Dec;41(5):822–7 (Eng. Abstr.) **(Jpn)**

[Etiologic consideration on the hepatotoxicity after dietary chenodeoxycholic acid administration in the rabbits] Yahiro K. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep; 83(9):2014–21 (Eng. Abstr.) **(Jpn)**

[Toxicity assessments of chemical substances using primary culture of rat hepatocytes] Fang JF, et al. **Sangyo Igaku** 1986 Nov;28(6):438–44 (Eng. Abstr.) **(Jpn)**

[Evaluation of the hepatotoxic effect of acute carbon monoxide poisoning] Pach J. **Folia Med Cracov** 1986; 27(3–4):129–43 (Eng. Abstr.) **(Pol)**

[Liver function test based on various biochemical parameters and the RBI-131 test in workers chronically exposed to organic solvents] Lutz W, et al. **Med Pr** 1987;38(1):34–9 (Eng. Abstr.) **(Pol)**

[Salicylate hepatotoxicity] Jakubowska D, et al. **Wiad Lek** 1986 Sep 15;39(18):1278–83 (Eng. Abstr.) **(Pol)**

[Effect of gram-negative endotoxin (E-) on hepatocytes] Fluture V, et al. **Rev Chir [Chir]** 1986 Jul-Aug; 35(4):295–302 (Eng. Abstr.) **(Rum)**

[Liver function during etran anesthesia and surgery: clinico-morphologic comparisons] Semenov VN, et al. **Anesteziol Reanimatol** 1986 Sep-Oct;(5):7–10 (Eng. Abstr.) **(Rus)**

[Action of hepatoprotective agents in a tetracycline lesion of the liver] Porokhniak LA, et al. **Antibiot Med Biotekhnol** 1987 Apr;32(4):282–5 (Eng. Abstr.) **(Rus)**

[Action of cytoplasmic factors from the regenerating liver on cholesterol esterification in the blood serum of rats with tetrachloromethane liver damage] Konevalova NIu, et al. **Biol Nauki** 1987;(3):25–30 (Eng. Abstr.) **(Rus)**

[Increased content of nucleotide sequences in transcriptionally active DNA and poly(A)+-mRNA of the rat liver and a rise in its translation activity as affected by inducers] Dashkevich VS, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):745–8 (Eng. Abstr.) **(Rus)**

[Lipid composition of the rat liver nuclear matrix as affected by hydrocortisone] Gevorkian ES, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):171–4 (Eng. Abstr.) **(Rus)**

[Morphometric analysis of the toxic effect of ethanol on the structure of chromatin in interphase nuclei of rat hepatocytes] Iavorskiĭ AI, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):235–8 (Eng. Abstr.) **(Rus)**

[Effect of alpha-tocopherol on the physicochemical properties of liver cell membranes in adrenalectomized rats] Kolosova NG, et al. **Biull Eksp Biol Med** 1987 Jul; 104(7):108–10 (Eng. Abstr.) **(Rus)**

[Liver cytochrome P-450 induction in rats by drug preparations and the body vitamin A allowance] Kon' Ila, et al. **Biull Eksp Biol Med** 1987 May;103(5):557–60 (Eng. Abstr.) **(Rus)**

[Hepatocyte ultrastructure in mice with chronic T-2 mycotoxicosis] Kravchenko LV, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):482–5 (Eng. Abstr.) **(Rus)**

[Effect of the components of electro-drug anesthesia and ataralgesia on the appearance of hepato-specific enzymes in the blood] Kuzin MI, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):176–8 (Eng. Abstr.) **(Rus)**

[Effect of prior starvation on the development of acute thioacetamide-induced liver damage in rats] Naĭdenova E, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):170–1 (Eng. Abstr.) **(Rus)**

[Effect of hydrocortisone on lipid metabolism in the plasma membranes of hepatocytes] Sukhova TA, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):436–7 (Eng. Abstr.) **(Rus)**

[Hepatotropic action of benzobamil in CCl4 poisoning] Vengerovskiĭ AI, et al. **Biull Eksp Biol Med** 1987 Aug; 104(8):192–5 (Eng. Abstr.) **(Rus)**

[Effect of bezafibrate on lipoprotein secretion by cultured human hepatocytes] Podrez EA, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1986;9(2):49–54 (Eng. Abstr.) **(Rus)**

[Sensitivity of rat hepatocytes to phenobarbital after a single dose of N-nitrosodiethylamine in the embryonal and postnatal period or after partial hepatectomy] Vinarchuk MP, et al. **Eksp Onkol** 1987;9(1):9–11 (Eng. Abstr.) **(Rus)**

[Morphofunctional characteristics of the liver in arterial hepatography with maiodil] Ganichkin AM, et al. **Farmakol Toksikol** 1987 Mar-Apr;50(2):76–8 (Eng. Abstr.) **(Rus)**

[Characteristics of hydrocortisone action on the biosynthesis of mitochondrial and cytoplasmic RNA in rat liver cells at different thyroid hormone levels in the body] Minchenko AG. **Farmakol Toksikol** 1987 Mar-Apr;50(2):71–3 (Eng. Abstr.) **(Rus)**

[Effect of cyclophosphane on bile formation and lipid peroxidation in the liver] Oleĭnik AV. **Farmakol Toksikol** 1986 Jul-Aug;49(4):51–4 (Eng. Abstr.) **(Rus)**

[Effect of antioxidants on the activity of liver glutathione-S-, glucuronyl- and sulfurtransferases in rats] Saprin AN, et al. **Farmakol Toksikol** 1987 May-Jun;50(3):81–4 (Eng. Abstr.) **(Rus)**

[Effect of antioxidants on lipid peroxidation and on liver function in patients with pulmonary tuberculosis] Skakun NL, et al. **Farmakol Toksikol** 1986 Sep-Oct;49(5):112–4 (Eng. Abstr.) **(Rus)**

[Excretory function of the liver with an allyl alcohol lesion and the antioxidant correction of the disorders] Skakun NP, et al. **Farmakol Toksikol** 1987 Jan-Feb;50(1):100–3 (Eng. Abstr.) **(Rus)**

[Reinduction of the cytochrome P-450 system of the liver in rats exposed to polychlorinated biphenyls during starvation] Tutel'ian VA, et al. **Farmakol Toksikol** 1987 Mar-Apr;50(2):111–3 (Eng. Abstr.) **(Rus)**

[Role of the lipid peroxidation reaction in changes in the sensitivity of the liver of the rat to glucocorticoids during cold adaptation] Seliatitskaia VG, et al. **Fiziol Zh** 1986 Sep-Oct;32(5):533–7 (Eng. Abstr.) **(Rus)**

[Effect of splenin on histamine inactivation in the plasma and liver of the rat during anaphylactic shock] Tiuleneva GV, et al. **Fiziol Zh** 1986 Sep-Oct;32(5):607–10 (Eng. Abstr.) **(Rus)**

[Alcohol as a risk factor for disordered liver function in immunized donors] Demidova NV, et al. **Gematol Transfuziol** 1987 Apr;32(4):47–50 (Eng. Abstr.) **(Rus)**

[Effect of extracts from actively proliferating tissues and of purified proliferation regulators on the intensity of DNA synthesis in brain and liver cells] Vitvitskiĭ VN. **Izv Akad Nauk SSSR [Biol]** 1987 May-Jun;(3):424–9 (Eng. Abstr.) **(Rus)**

[Effect of enkephalins on the adenine nucleotide concentrations of the liver and heart in experimental myocardial infarct] Zoloev GK. **Kardiologiia** 1987 Apr; 27(4):109–10 **(Rus)**

[Changes in the functional indices of the liver and kidneys caused by drugs] Seleznev EF. **Lab Delo** 1987;(6):468–75 **(Rus)**

[Changes in the content of carbohydrate-containing proteins in the liver of rats chronically exposed to pesticides combined with total gamma irradiation] Soroka LP, et al. **Radiobiologiia** 1987 Jan-Feb;27(1):108–12 (Eng. Abstr.) **(Rus)**

[Effect of metronidazole and local irradiation of the tumor on paramagnetic metal complexes of the liver and tumor tissues] Zhumabaeva TT, et al. **Radiobiologiia** 1987 May-Jun;27(3):384–9 (Eng. Abstr.) **(Rus)**

[Catergen in the treatment of chronic liver diseases] Semendiaeva ME, et al. **Sov Med** 1986;(9):47–50 (Eng. Abstr.) **(Rus)**

[Effect of the lysosomotropic preparation suramin on the ultrastructural and functional characteristics of rat liver cells in acute toxic hepatitis] Vakulin GM, et al. **Tsitologiia** 1986 Aug;28(8):854–61 (Eng. Abstr.) **(Rus)**

[Detection of cells resistant to the cytotoxic action of CCl4 in rat hepatocyte populations following a single exposure to diethylnitrosamine and subsequent injections of phenobarbital] Zakharova NV, et al. **Tsitologiia** 1986 Aug; 28(8):888–91 (Eng. Abstr.) **(Rus)**

[Effectiveness of alpha-tocopherol in eliminating and preventing the hepatotoxic action of tuberculostatics] Grechin SA, et al. **Vrach Delo** 1987 Mar;(3):60–2 (Eng. Abstr.) **(Rus)**

[Effect of alcohol on liver functions] Zhuravleva LV, et al. **Vrach Delo** 1986 Oct;(10):72–4 (Eng. Abstr.) **(Rus)**

[Effect of the serum of alcoholics on the growth of primary cultures human fetal liver cells] Pashchenko VP, et al. **Zh Nevropatol Psikhiatr** 1987;87(2):237–40 (Eng. Abstr.) **(Rus)**

[Hepatotoxicity of ketoconazole in patients with adrenal pathology (letter)] Leal-Cerro A, et al. **Med Clin (Barc)** 1987 Mar 28;88(12):519 **(Spa)**

[Ketoconazole hepatotoxicity(letter)] Navarro Villena M. **Med Clin (Barc)** 1986 Nov 15;87(16):694 **(Spa)**

[Changes in hepatic biology and hyperpotassemia caused by heparin (letter)] Ponz E, et al. **Med Clin (Barc)** 1986 Dec 6;87(19):823–4 **(Spa)**

[Hepatotoxicity of amiodarone in rats] Camps DH, et al. **Medicina (B Aires)** 1986;46(3):320–6 (Eng. Abstr.) **(Spa)**

[Cyanamide hepatotoxicity: various forms of presentation. Apropos of 2 cases (letter)] Vázquez JJ. **Rev Clin Esp** 1987 May;180(8):466–7 **(Spa)**

[Hepatic function after general anesthesia with compound 469 (isoflurane)] Chuliá Campos V, et al. **Rev Esp Anestesiol Reanim** 1987 Jan–Feb;34(1):16–9 (Eng. Abstr.) **(Spa)**

[Effect of ethionine on the liver of rats under conditions of different amounts of protein in the diet] Roitenburd Belacortu V. **Rev Invest Clin** 1987 Jan–Mar;39(1):19–27 (Eng. Abstr.) **(Spa)**

[Treatment with enalapril causing leukopenia with septicemia and affected liver] Adriansson M, et al. **Lakartidningen** 1987 Apr 8;84(15):1270 (Eng. Abstr.) **(Swe)**

EMBRYOLOGY

Biologic effects of ultrasound on liver cells of rat embryos. Cardinale A, et al. **Acta Radiol** 1987 Mar–Apr;28(2):221–4

Morphological studies on the forming processes and patterns of the platelet demarcation membrane system in the megakaryocytic series of embryonic rat livers. Kakuta S, et al. **Arch Histol Jpn** 1986 Jun;49(2):255–65

The action of erythropoietin is mediated by lipoxygenase metabolites in murine fetal liver cells. Beckman BS, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):392–8

Induction of cytochrome P-450c in hematopoietic cells of fetal liver. Shiverick KT, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):299–305

The expression of oncogenes in human developing liver and hepatomas. Zhang XK, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):932–8

Significance of cytochrome P-450 (P-450 HFLa) of human fetal livers in the steroid and drug oxidations. Kitada M, et al. **Biochem Pharmacol** 1987 Feb 15;36(4):453–6

Relative importance of physiological precursors for ketogenesis in the nutritional homeostasis of the development of the embryonic chick. Bate AJ, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):7–12

Different stimulative effects of human bone marrow and fetal liver stromal cells on erythropoiesis in long-term culture. Slaper-Cortenbach I, et al. **Blood** 1987 Jan;69(1):135–9

HLA antigens on human hemopoietic progenitors during embryonic–fetal life: expression and in vitro modulation. Gabbianelli M, et al. **Cell Biol Int Rep** 1986 Oct;10(10):775–88

2-D gel membrane protein patterns during fetal rat hepatocyte development. Radford J, et al. **Cell Biol Int Rep** 1987 Apr;11(4):319–34

The differentiation antigens of macrophages in human fetal liver. Bhoopat L, et al. **Clin Immunol Immunopathol** 1986 Nov;41(2):184–92

The establishment of hepatocyte cell surface polarity during fetal liver development. Feracci H, et al. **Dev Biol** 1987 Sep;123(1):73–84

The chicken thymidine kinase gene is transcriptionally repressed during terminal differentiation: the associated decline in TK mRNA cannot account fully for the disappearance of TK enzyme activity. Gross MK, et al. **Dev Biol** 1987 Aug;122(2):439–51

Glucocorticoid regulation of metallothionein during murine development. Quaife C, et al. **Dev Biol** 1986 Dec; 118(2):549–55

Coexpression of embryonic, fetal, and adult globins in erythroid cells of human embryos: relevance to the cell-lineage models of globin switching. Stamatoyannopoulos G, et al. **Dev Biol** 1987 Sep; 123(1):191–7

Expression of the two adult beta-globin genes in mouse yolk sac and fetal liver erythrocytes. Wawrzyniak CJ, et al. **Dev Biol** 1987 Jan;119(1):299–301

A unique placental lactogen receptor: implications for fetal growth. Freemark M, et al. **Endocrinology** 1987 May; 120(5):1865–72

The ontogeny of the enzyme systems for the 5'- and 5-deiodination of thyroid hormones in chick embryo liver. Galton VA, et al. **Endocrinology** 1987 Jun;120(6):2604–10

Synthesis, accumulation and turnover of carbamoylphosphate synthetase and phosphoenolpyruvate carboxykinase in cultures of embryonic rat hepatocytes. van Roon MA, et al. **Eur J Biochem** 1987 May 15;165(1):229–34

Human embryonic liver cell differentiation. I. Changes in specific mRNA synthesis correlates with parameters signaling oncologic alterations. Hakim AA, et al. **Exp Cell Biol** 1986;54(5–6):319–32

Binding of erythropoietin to CFU-E derived from fetal mouse liver cells. Fukamachi H, et al. **Exp Hematol** 1987 Sep;15(8):833–7

Quantity of DNA in foetal liver after X-irradiation and/or AET, MEA, or 5-HT treatment of pregnant Porton mice. Mazur L. **Folia Biol (Krakow)** 1986;34(3):293–8

Fetal and adult human liver differ markedly in the fluidity and lipid composition of their microsomal membranes. Kapitulnik J, et al. **Hepatology** 1987 Jan–Feb;7(1):55–60

Regulation of amino acid transport in isolated rat hepatocytes during development. Leoni S, et al. **J Cell Physiol** 1987 Jan;130(1):103–10

Regulation of DNA synthesis in human fetal hepatocytes by placental lactogen, growth hormone, and insulin-like growth factor I/somatomedin-C. Strain AJ, et al. **J Cell Physiol** 1987 Jul;132(1):33–40

The hemopoietic microenvironment in the fetal liver of mice: relationship between developing hepatocytes and erythroblasts. Asano H, et al. **J Electron Microsc (Tokyo)** 1987;36(1–2):15–25

Estimation of the primordial pool size of the mouse liver using a histochemically demonstrable X-linked enzyme in the adult female mouse. Wareham KA, et al. **J Embryol Exp Morphol** 1986 Jun;95:239–46

Bile acid biosynthesis during development: hydroxylation of C27-sterols in human fetal liver. Gustafsson J. **J Lipid Res** 1986 Aug;27(8):801–6

Cryopreservation of fetal rat liver tissue—a morphological investigation. Sawa M, et al. **Jpn J Surg** 1986 Nov; 16(6):447–55

Chromatin structure and developmental expression of the human alpha-globin cluster. Yagi M, et al. **Mol Cell Biol** 1986 Apr;6(4):1108–16

Bile acid metabolism during development: metabolism of lithocholic acid in human fetal liver. Gustafsson J, et al. **Pediatr Res** 1987 Jan;21(1):99–103

Prostaglandin E1 opens the ductus venosus in the newborn lamb. Morin FC 3d. **Pediatr Res** 1987 Mar;21(3):225–8

Retinol-binding protein and transthyretin mRNA levels in visceral yolk sac and liver during fetal development in the rat. Soprano DR, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(19):7330–4

Autometallographic demonstration of gold in human fetal liver and placenta. Møller-Madsen B, et al. **Rheumatol Int** 1987;7(1):47–8

Determinants of bile formation during development: ontogeny of hepatic bile acid metabolism and transport. Suchy FJ, et al. **Semin Liver Dis** 1987 May;7(2):77–84 (71 ref.)

[Enzyme activities in the liver of the human embryo and fetus] Lichnovský V, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;111:65–76 **(Ger)**

[Relationship of fetal hind limb and fetal liver on amino acid metabolism in pregnant rats] Kyuma M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jun; 39(6):897–904 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Quantitative topochemistry of rat liver enzymes during postnatal development in relation to activity-rest cycle. Bhattacharya RD, et al. **Acta Anat (Basel)** 1987; 128(1):39–44

The effect of high protein diet on the regulatory properties of AMP deaminase from chicken liver. Spychała J, et al. **Acta Biochim Pol** 1986;33(3):187–93

Biotransformation enzymes in fish as tools for biomonitoring aquatic environment. Lindström-Seppä P, et al. **Acta Biol Hung** 1986;37(1):85–92

Modifications of liver enzymes during heparin therapy. Lambert M, et al. **Acta Clin Belg** 1986;41(5):307–10

Hepatic oestrone sulphotransferase activity and plasma levels of oestrone sulphate, oestrone and oestradiol in male guinea pigs with fatty liver. Myking O, et al. **Acta Endocrinol (Copenh)** 1986 Nov;113(3):363–9

Problems with ultrastructural demonstration of aryl sulphatase activity in rat liver parenchymal cells. Schellens JP, et al. **Acta Histochem (Jena)** 1987;81(1):41–9

Increase in hepatic lipase activity after testosterone substitution in men with hypogonadism of pituitary origin. Valdemarsson S, et al. **Acta Med Scand** 1987;221(4):363–6

Pre-eclampsia, "HELLP" syndrome and postictal cortical blindness. Levavi H, et al. **Acta Obstet Gynecol Scand** 1987; 66(1):91–2

Phenobarbital enhances the aldehyde dehydrogenase activity of rat hepatocytes in vitro and in vivo. Marselos M, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Nov;59(5):403–9

An isoelectric focusing study of acid phosphatase heterogeneity in rat liver. Twardowski J, et al. **Acta Physiol Hung** 1987;69(1):85–94

Regulation of branched-chain alpha-ketoacid dehydrogenase complex by covalent modification. Harris RA, et al. **Adv Enzyme Regul** 1986;25:219–37

Regulation of the activity of hepatic phenylalanine hydroxylase. Kaufman S. **Adv Enzyme Regul** 1986;25:37–64 (61 ref.)

Phosphorylation state of HMG CoA reductase affects its catalytic activity and degradation. Parker RA, et al. **Adv Enzyme Regul** 1986;25:329–43

Mechanism of synthesis and localization of mitochondrial and cytosolic fumarases in rat liver. Tuboi S, et al. **Adv Enzyme Regul** 1986;25:461–84

Identification of intratissue sites for xenobiotic activation and detoxication. Baron J, et al. **Adv Exp Med Biol** 1986; 197:119–44

The liver is the main organ to clear plasma and tissue kallikreins from rat plasma, in vivo. Borges D, et al. **Adv Exp Med Biol** 1986;198 Pt A:229–33

Arylsulfotransferase IV catalyzed sulfation of 1-naphthalenemethanol. Duffel MW, et al. **Adv Exp Med Biol** 1986;197:415–22

Mechanism of action of lipoprotein lipase and hepatic triglyceride lipase. Jackson RL, et al. **Adv Exp Med Biol** 1987;210:73–7

Oxygen radical formation during redox cycling of bleomycin-Fe(III) catalyzed by NADPH-cytochrome P-450 reductase of liver microsomes and nuclei. Kappus H, et al. **Adv Exp Med Biol** 1986;197:273–80

Purification, properties and function of N-hydroxyarylamine O-acetyltransferase. Kato R, et al. **Adv Exp Med Biol** 1986; 197:551–61

Familial hepatic lipase deficiency. Little JA, et al. **Adv Exp Med Biol** 1986;201:253–60

Partial characterization of a liver serine-peptidase from different species which inactivates bradykinin. Mazzacoratti M da G, et al. **Adv Exp Med Biol** 1986;198 Pt A:389–96

Rat cytosolic epoxide hydrolase. Oesch F, et al. **Adv Exp Med Biol** 1986;197:195–201

Expression and sequence analysis of rat liver glutathione S-transferase genes. Pickett CB, et al. **Adv Exp Med Biol** 1986;197:185–93

In vivo inhibition of mouse liver methyltransferase enzymes following treatment with 2'-deoxycoformycin and 2'-deoxyadenosine. Renshaw J, et al. **Adv Exp Med Biol** 1986;195 Pt B:673–5

Further evidence for a role of isozymes of P450 in the metabolism and toxicity of carbon disulfide (CS2). Rubin RJ, et al. **Adv Exp Med Biol** 1986;197:237–42

Studies on the mechanism of S-cysteine conjugate metabolism and toxicity in rat liver, kidney, and a cell culture model. Stevens JL, et al. **Adv Exp Med Biol** 1986; 197:381–90

Immunohistochemical studies on synthesis and distribution of Hageman factor and kininogen. Tsuruta J, et al. **Adv Exp Med Biol** 1986;198 Pt B:63–70

Uses of gamma-glutamyltransferase in experimental toxicology. Braun JP, et al. **Adv Vet Sci Comp Med** 1987; 31:151–72 (251 ref.)

Rates of H2O2 generation from peroxisomal beta-oxidation are sufficient to account for fatty acid-stimulated ethanol metabolism in perfused rat liver. Handler JA, et al. **Alcohol** 1987 Mar–Apr;4(2):131–4

1,4-Butanediol and ethanol compete for degradation in rat brain and liver in vitro. Poldrugo F, et al. **Alcohol** 1986 Nov–Dec;3(6):367–70

Purification of human liver aldehyde dehydrogenase by high-performance liquid chromatography and identification of isoenzymes by immunoblotting. Johnson CT, et al. **Alcoholism (NY)** 1987 Feb;11(1):60–5

Mechanism of action of lipoprotein lipase and hepatic triglyceride lipase. Jackson RL, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):551–4

Regulation of hepatic lipase and serum lipoproteins by sex steroids. Tikkanen MJ, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):562–7 (65 ref.)

Hepatic methionine adenosyltransferase deficiency in a 31-year-old man. Gahl WA, et al. **Am J Hum Genet** 1987 Jan;40(1):39–49

Rat hepatic bile acid sulfotransferase: enzyme response to androgens and estrogens. Collins RH, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):G276–80

Threonyl-tRNA synthetase from bovine liver. Purification and kinetic properties in the ATP–pyrophosphate exchange reaction. Taga EM, et al. **An Acad Bras Cienc** 1986 Jun; 58(2):189–97

Preparation of homogeneous pig liver thioltransferase by a thiol:disulfide mediated pI shift. Gan ZR, et al. **Anal Biochem** 1987 Apr;162(1):265–73

Preparation of rat liver plasma membrane with respect to glucagon-sensitive adenylate cyclase. Ruiz JA, et al. **Anal Biochem** 1986 Aug 15;157(1):47–52

Purification of branched chain alpha-ketoacid dehydrogenase complex from rat liver. Shimomura Y, et al. **Anal Biochem** 1987 May 15;163(1):74–8

Distribution and properties of human alcohol dehydrogenase isoenzymes. Li TK, et al. **Ann NY Acad Sci** 1987;492:1–10

Hormonal modulation of key hepatic regulatory enzymes in the gluconeogenic/glycolytic pathway. Pilkis SJ, et al. **Ann NY Acad Sci** 1986;478:1–19 (54 ref.)

Sulphasalazine and hepatic transaminases [letter] Pullar T, et al. **Ann Rheum Dis** 1987 May;46(5):421

Purification and properties of the manganese superoxide dismutase from the liver of bullfrog, Rana catesbeiana. Abe Y, et al. **Arch Biochem Biophys** 1987 Feb 15;253(1):241–8

Biogenesis of embryonic chick liver delta-aminolevulinate synthase: regulation of the level of mRNA by hemin. Ades IZ, et al. **Arch Biochem Biophys** 1987 Mar;253(2):297–304

Radiation inactivation of hepatic sulfite oxidase. Barber MJ, et al. **Arch Biochem Biophys** 1987 Jul;256(1):260–4

Effect of a high-fat diet with partially hydrogenated fish oil on long-chain fatty acid metabolizing enzymes in subcellular fractions of rat liver. Berge RK, et al. **Arch Biochem Biophys** 1987 Jan;252(1):269–76

Activation of hepatocyte glycogen synthase by metabolic inhibitors. Carabaza A, et al. **Arch Biochem Biophys** 1986

Nov 1;250(2):469-75
Human liver folylpolyglutamate synthetase: biochemical characterization and interactions with folates and folate antagonists. Clarke L, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):585-96
Biochemical and immunological identity of the hepatic peroxisomal and microsomal trans-2-enoyl CoA hydratase bifunctional protein. Cook L, et al.
Arch Biochem Biophys 1987 Feb 1;252(2):357-68
Factors underlying significant underestimations of glucokinase activity in crude liver extracts: physiological implications of higher cellular activity. Davidson AL, et al. **Arch Biochem Biophys** 1987 Feb 15;253(1):156-67
Identification of the FTBL protein of Sumner and Dounce as a leucine aminopeptidase. Dounce AL, et al.
Arch Biochem Biophys 1987 Aug 15;257(1):13-6
Differential expression of cytochrome P-450 1 and related forms in rabbit liver and kidney. Finlayson MJ, et al.
Arch Biochem Biophys 1987 Jan;252(1):113-20
Structural studies on neonatal rat liver glycogen synthase: a comparison between adult and newborn synthase phosphopeptides. Gold AH. **Arch Biochem Biophys** 1987 Jul;256(1):202-11
Depression of cytochrome P-450 and alterations of protein metabolism in mice treated with the interferon inducer polyriboinosinic acid X polyribocytidylic acid. Gooderham NJ, et al. **Arch Biochem Biophys** 1986 Nov 1;250(2):418-25
Aldehyde oxidase from rabbit liver: specificity toward purines and their analogs. Hall WW, et al.
Arch Biochem Biophys 1986 Nov 15;251(1):36-46
Insulin-degrading neutral cysteine proteinase activity of adipose tissue and liver of nondiabetic, streptozotocin-diabetic, and insulin-treated diabetic rats. Hern EP, et al. **Arch Biochem Biophys** 1987 Apr; 254(1):35-42
Nicotinamide riboside phosphorylase from beef liver: purification and characterization. Imai T, et al.
Arch Biochem Biophys 1987 Apr;254(1):253-62
Synthesis of methyl-branched fatty acids from methylmalonyl-CoA by fatty acid synthase from both the liver and the harderian gland of the guinea pig. Kolattukudy PE, et al. **Arch Biochem Biophys** 1987 May 15;255(1):205-9
Hepatic
6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase: phosphate dependence and effects of other oxyanions. Kountz PD, et al. **Arch Biochem Biophys** 1986 Nov 15; 251(1):104-13
Purification and properties of phosphoserine aminotransferase from bovine liver. Lund K, et al.
Arch Biochem Biophys 1987 Apr;254(1):319-28
A comparison of the cytosolic and mitochondrial forms of asparagine/glyoxylate aminotransferase. Maul DM, et al.
Arch Biochem Biophys 1986 Dec;251(2):577-84
Purification and characterization of aldo-keto reductases from gerbil liver: immunochemical evidence for related proteins in other mammalian species. Molowa DT, et al.
Arch Biochem Biophys 1986 Dec;251(2):487-94
Regulation of mRNA levels for five urea cycle enzymes in rat liver by diet, cyclic AMP, and glucocorticoids. Morris SM Jr, et al. **Arch Biochem Biophys** 1987 Jul;256(1):343-53
Role of protein kinase C in the regulation of rat liver glycogen synthase. Nakabayashi H, et al.
Arch Biochem Biophys 1987 Jan;252(1):81-90
Inhibition of hexokinase activity by a fructose 2,6-bisphosphate-dependent cytosolic protein from liver. Niemeyer H, et al. **Arch Biochem Biophys** 1987 Aug 15; 257(1):17-26
Ethanol does not stimulate guanine nucleotide-induced activation of phospholipase C in permeabilized hepatocytes. Rubin R, et al. **Arch Biochem Biophys** 1987 Jul;256(1):29-38
Solubilization and properties of the liver plasma membrane transglutaminase. Slife CW, et al.
Arch Biochem Biophys 1987 Aug 15;257(1):39-47
Influence of dietary restriction on accumulation of heat-labile enzyme molecules in the liver and brain of mice. Takahashi R, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):200-6
Increased methionine synthetase activity in zinc-deficient rat liver. Tamura T, et al. **Arch Biochem Biophys** 1987 Jul; 256(1):311-6
Oxime-metabolizing activity of liver aldehyde oxidase. Tatsumi K, et al. **Arch Biochem Biophys** 1987 Mar; 253(2):413-8
Subcellular localization and capacity of beta-oxidation and aldehyde dehydrogenase in porcine liver. Turteltaub KW, et al. **Arch Biochem Biophys** 1987 May 15;255(1):120-6
Possible processing of mitochondria-bindable hexokinase to the nonbindable form by a lysosomal protease in rat liver. Yokoyama-Sato K, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):56-62
Cathepsin E from rat neutrophils: its properties and possible relations to cathepsin D-like and cathepsin E-like acid proteinases. Yonezawa S, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):499-508
Isolation of human ferrochelatase [letter] Mathews-Roth MM, et al. **Arch Dermatol** 1987 Apr;123(4):429-30
Drug-metabolizing enzyme activities in the liver and intestine of rats exposed to DDT: effects of vitamin A status. de Waziers I, et al. **Arch Environ Contam Toxicol** 1987 May; 16(3):343-8
Regulation of aspartate aminotransferase isoenzymes by hydrocortisone in the liver of aging rats. Sharma R, et al. **Arch Gerontol Geriatr** 1987 Apr;6(1):27-32
The 14CO2 breath test: facilities and limitations of a rapid and noninvasive method for in vivo evaluation of modified hepatic cytochrome P-450--a critique. Brüch M, et al.
Arch Toxicol 1987;60(1-3):81-5
Factors influencing the caffeine test for cytochrome P 448-dependent liver function. Joeres R, et al.
Arch Toxicol 1987;60(1-3):93-4
Expression and inducibility of drug-metabolizing enzymes in preneoplastic and neoplastic lesions of rat liver during nitrosamine-induced hepatocarcinogenesis. Kunz HW, et al. **Arch Toxicol** 1987;60(1-3):198-203
Characterization of hepatic and pulmonary cytochromes P-450 in 3-methylcholanthrene-treated hamsters. Watanabe M, et al. **Arch Toxicol** 1987;60(1-3):52-8
Human liver debrisoquine 4-hydroxylase: test for specificity toward various monooxygenase substrates and model of the active site. Wolff T, et al. **Arch Toxicol** 1987; 60(1-3):89-90
The effect of lead and aluminium on rat dihydropteridine reductase. Cutler P, et al. **Arch Toxicol [Suppl]** 1987; 11:227-30
Species differences in enzymes controlling reactive epoxides. Glatt HR, et al. **Arch Toxicol [Suppl]** 1987;10:111-24 (42 ref.)
Thyroid toxicity and iodothyronine deiodination. Jones CA, et al. **Arch Toxicol [Suppl]** 1987;11:250-2
Structure activity requirements for induction of peroxisomal enzyme activities in primary rat hepatocyte cultures. Lewis DF, et al. **Arch Toxicol [Suppl]** 1987;11:39-41
The distribution of carcinogen metabolizing enzymes in the mouse liver: comparison of parenchymal and non-parenchymal cell populations. Steinberg P, et al.
Arch Toxicol [Suppl] 1987;10:148-56
Cobalt and manganese interaction in the liver of rat. Rana SV, et al. **Arh Hig Rada Toksikol** 1985 Dec;36(4):365-70
Inheritance of high density lipoprotein and lipoprotein lipase and hepatic lipase activity. Kuusi T, et al.
Arteriosclerosis 1987 Jul-Aug;7(4):421-5
Effects of bromobenzene, thioacetamide and carbon tetrachloride on activities of alcohol dehydrogenase and aldehyde dehydrogenase of hepatic subcellular fractions in C57BL and DBA mice. Yamazaki H, et al.
Arukoru Kenkyuto Yakubutsu Ison 1987 Mar;22(1):13-24
Stability of isolated hepatic aldehyde dehydrogenases from rats in vitro. Schreiner E, et al. **Arzneimittelforschung** 1987 Feb;37(2):181-3
A phospho-oligosaccharide mimics insulin action on glycogen phosphorylase and pyruvate kinase activities in isolated rat hepatocytes. Alvarez JF, et al.
Biochem Biophys Res Commun 1987 Sep 15;147(2):765-71
Evidence for the involvement of histidine at the active site of glutathione S-transferase psi from human liver. Awasthi YC, et al. **Biochem Biophys Res Commun** 1987 Mar 30; 143(3):965-70
Effect of phosphorylation by different protein kinases on the behaviour of glycogen synthase as a substrate for hepatic synthase phosphatases. Bollen M, et al.
Biochem Biophys Res Commun 1986 Sep 30;139(3):1033-9
The human beta 3 alcohol dehydrogenase subunit differs from beta 1 by a Cys for Arg-369 substitution which decreases NAD(H) binding. Burnell JC, et al.
Biochem Biophys Res Commun 1987 Aug 14;146(3):1127-33
Isolation of a human liver ligandin cDNA clone and demonstration of sequence homology at ligandin loci in rats and humans. Butera L, et al.
Biochem Biophys Res Commun 1987 Feb 13;142(3):986-92
Immunochemical characterization of protein kinase C in rat liver nuclei and subnuclear fractions. Capitani S, et al.
Biochem Biophys Res Commun 1987 Jan 30;142(2):367-75
Stereoselective product inhibition of glutathione S-transferase. Chen WJ, et al.
Biochem Biophys Res Commun 1986 Dec 30;141(3):892-7
Glucose 6-phosphate plays a central role in the activation of glycogen synthase by glucose in hepatocytes. Ciudad CJ, et al. **Biochem Biophys Res Commun** 1986 Dec 30; 141(3):1195-200
The metabolism of inositol 4-monophosphate in rat mammalian tissues. Delvaux A, et al.
Biochem Biophys Res Commun 1987 May 29;145(1):59-65
Isolation of human liver arginase cDNA and demonstration of nonhomology between the two human arginase genes. Dizikes GJ, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):53-9
Regulation of production of embryonic chick liver delta-aminolevulinate synthase: effects of testosterone and of hemin on the mRNA of the enzyme. Drew PD, et al.
Biochem Biophys Res Commun 1986 Oct 15;140(1):81-7
Developmental and hormonal regulation of the major form of hepatic glutathione S-transferase in male mice. Hatayama I, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):581-8
Induction of ornithine decarboxylase activity in mouse tissues by phorbol ester is effectively blocked by methylglyoxal bis(butylamidinohydrazone). Hibasami H, et al.
Biochem Biophys Res Commun 1987 Apr 29;144(2):757-62
Induction of 2-carboxybenzaldehyde reductase by phenobarbital in primary culture of rat hepatocytes. Hirata M, et al. **Biochem Biophys Res Commun** 1986 Dec 15; 141(2):488-93
Phosphorylation of branched-chain 2-oxo acid dehydrogenase complex in isolated hepatocytes. Jones SM, et al. **Biochem Biophys Res Commun** 1987 Apr 29; 144(2):628-33
Effect of tolbutamide on fructose-6-phosphate,2-kinase and fructose-2,6-bisphosphatase in rat liver. Kaku K, et al.
Biochem Biophys Res Commun 1986 Sep 14;139(2):687-92
Autodegradation of lysosomal cysteine proteinases. Kominami E, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):749-56
Genomic clones of the human liver-type phosphofructokinase. Levanon D, et al.
Biochem Biophys Res Commun 1986 Nov 26;141(1):374-80
Molecular cloning of cDNA for rat liver lipoate acetyltransferase. A component of pyruvate dehydrogenase complex. Matuda S, et al.
Biochem Biophys Res Commun 1987 Feb 13;142(3):953-7
Long-chained 1-mercapto-n-alkanes as potent inhibitors toward liver alcohol dehydrogenase. Miwa K, et al.
Biochem Biophys Res Commun 1987 Feb 13;142(3):993-8
Purification and characterization of a form of cytochrome P-450 with high specificity for aflatoxin B1 from 3-methylcholanthrene-treated hamster liver. Mizokami K, et al. **Biochem Biophys Res Commun** 1986 Sep 14; 139(2):466-72
An activated S6 kinase in regenerating rat liver. Mizuta K, et al. **Biochem Biophys Res Commun** 1987 Jul 15; 146(1):239-46
D-myo-inositol (1,4)-bisphosphate 1-phosphate. Partial purification from rat liver and characterization. Moyer JD, et al. **Biochem Biophys Res Commun** 1987 Aug 14; 146(3):1018-26
The effects of chronic administration of T4, growth hormone and epidermal growth factor on hepatic lipogenic enzymes in hypophysectomised rats. Reed BY, et al.
Biochem Biophys Res Commun 1986 Nov 26;141(1):78-83
The basic glutathione S-transferases from human livers are products of separate genes. Rhoads DM, et al.
Biochem Biophys Res Commun 1987 May 29;145(1):474-81
Different mechanisms control developmental activation of transcription of genes subject to identical hormonal regulation in adult liver. Rothrock R, et al.
Biochem Biophys Res Commun 1987 May 14;144(3):1182-7
Identification of a characteristic cytosolic polypeptide of rat preneoplastic hepatocyte nodules as placental glutathione S-transferase. Rushmore TH, et al.
Biochem Biophys Res Commun 1987 Feb 27;143(1):98-103
On the nature of cellular ADP-ribosyltransferase from rat liver specific for elongation factor 2. Sayhan O, et al.
Biochem Biophys Res Commun 1986 Sep 30;139(3):1210-4
Activation of polyamine biosynthetic decarboxylases during the acute phase response of rat liver. Scalabrino G, et al.
Biochem Biophys Res Commun 1987 Mar 30;143(3):856-62
Turnover rates of HMG-CoA reductase mRNA: role of pituitary and thyroid hormones. Simonet WS, et al.
Biochem Biophys Res Commun 1987 Aug 14;146(3):1033-9
Phosphorylation of liver pyruvate kinase by Ca++/calmodulin-dependent protein kinase: characterization of two phosphorylation sites. Soderling TR, et al. **Biochem Biophys Res Commun** 1986 Sep 30; 139(3):1017-23
Partially purified phosphatidylinositol kinase does not catalyze the formation of phosphatidylinositol-4,5-bisphosphate. Suárez-Quian CA, et al. **Biochem Biophys Res Commun** 1987 Mar 13; 143(2):512-6
Purification of a bovine liver S6 kinase. Tabarini D, et al.
Biochem Biophys Res Commun 1987 Apr 29;144(2):891-9
Identification and characterization of Mg2+-dependent phosphotyrosyl protein phosphatase from rat liver cytosol. Tamura S, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):212-8
Human liver type pyruvate kinase: cDNA cloning and chromosomal assignment. Tani K, et al.
Biochem Biophys Res Commun 1987 Mar 13;143(2):431-8
Human liver glutathione S-transferases: complete primary sequence of an Ha subunit cDNA. Tu CP, et al.
Biochem Biophys Res Commun 1986 Nov 26;141(1):229-37
Stimulation by a tumor-promoting phorbol ester of acetyl-CoA carboxylase activity in isolated rat hepatocytes. Vaartjes WJ, et al.
Biochem Biophys Res Commun 1987 Jan 15;142(1):135-40
Preliminary studies on the primary structure of rat liver dihydropteridine reductase. Webber S, et al.
Biochem Biophys Res Commun 1987 Mar 13;143(2):582-6
Characterization of rabbit cytochrome P450IIC4 cDNA and induction by phenobarbital of related hepatic mRNA levels. Zhao J, et al. **Biochem Biophys Res Commun** 1987 Jul 15; 146(1):224-31
Multiple forms of ribonuclease II in mouse liver: relative sizes, subcellular distributions, and pH-activity profiles. Kimball SR, et al. **Biochem Cell Biol** 1987 Jan;65(1):27-34
Distinction between substrate- and enzyme-directed effects of modifiers of rabbit liver phosphorylase a phosphatases. Monanu MO, et al. **Biochem Cell Biol** 1987 Apr; 65(4):293-301
Secretion of triglyceride lipase from rat hepatocytes in culture: modulation by insulin and phenobarbital. Parkes JG, et al. **Biochem Cell Biol** 1986 Nov;64(11):1147-52
Characterization of serum, liver, and intestinal sialyltransferases from rats treated with colchicine. Ratnam S, et al. **Biochem Cell Biol** 1987 Mar;65(3):183-7
Enzymatic dephosphorylation of retinyl monophosphate by rat liver. Rodríguez P, et al. **Biochem Cell Biol** 1986 Sep;

64(9):864–8
Multicompartmental distribution of ribonuclease II in mouse liver. Trzaskos JM, et al. **Biochem Cell Biol** 1987 Jan; 65(1):76–80
Purification and characterization of the Danish (Skive) variant of mouse liver alcohol dehydrogenase. Rex DK, et al. **Biochem Genet** 1987 Feb;25(1–2):111–21
Effect of garlic oil extract on serum, liver and kidney enzymes of rats fed on high sucrose and alcohol diets. Adoga GI, et al. **Biochem Int** 1986 Oct;13(4):615–24
Molecular cloning of cDNA for argininosuccinate lyase of rat liver. Amaya Y, et al. **Biochem Int** 1986 Sep;13(3):433–8
Ischaemia and tissue pyruvate dehydrogenase activities in the rat: a comparison of the effects of cervical dislocation and pentobarbital anaesthesia. French TJ, et al. **Biochem Int** 1986 Nov;13(5):843–52
Comparison of glutathione S-transferases in mouse, guinea pig, rabbit and hamster liver cytosol to those in rat liver. Igarashi T, et al. **Biochem Int** 1986 Oct;13(4):641–8
Effect of large doses of ascorbic acid on the hepatic and extra-hepatic drug-metabolizing enzymes in guinea pig. Khanduja KL, et al. **Biochem Int** 1986 Oct;13(4):659–70
Detection of aspartate kinase in rat liver and its activation by Ca++ and calmodulin. Kochhar S, et al. **Biochem Int** 1987 Feb;14(2):319–25
Similarities between rat liver mitochondrial and cytosolic glutathione reductases and their apoenzyme accumulation in riboflavin deficiency. Taniguchi M, et al. **Biochem Int** 1986 Sep;13(3):447–54
Effect of clofibrate feeding on some lipogenic enzyme activities induced by high carbohydrate diet. Zelewski M, et al. **Biochem Int** 1986 Oct;13(4):591–8
Tripeptidyl peptidase II in haemolysates and liver homogenates of various species. Bålöw RM, et al. **Biochem J** 1987 Jan 1;241(1):75–80
Mechanism of hepatic glycogen synthase inactivation induced by Ca2+-mobilizing hormones. Studies using phospholipase C and phorbol myristate acetate. Blackmore PF, et al. **Biochem J** 1986 Jul 1;237(1):235–42
Effect of fructose 1-phosphate on the activation of liver glycogen synthase [letter] Bollen M, et al. **Biochem J** 1986 Nov 15;240(1):309–10
Distribution of the integral membrane protein NADH-cytochrome b5 reductase in rat liver cells, studied with a quantitative radioimmunoblotting assay. Borgese N, et al. **Biochem J** 1986 Oct 15;239(2):393–403
Induction of tyrosine aminotransferase in utero by anti-insulin agents. Cake MH. **Biochem J** 1986 Sep 15; 238(3):927–9
Enzymic oxidation of unconjugated bilirubin by rat liver. Cardenas-Vazquez R, et al. **Biochem J** 1986 Jun 15; 236(3):625–33
The activity of the pyruvate dehydrogenase complex in heart and liver from mice during the development of obesity and insulin resistance. Caterson ID, et al. **Biochem J** 1987 Apr 15;243(2):549–53
Age-related augmentation of phosphorylase b kinase in hepatic tissue from the glycogen-storage-disease (gsd/gsd) rat. Clark DG, et al. **Biochem J** 1986 Sep 15;238(3):811–6
Fluoroaluminates mimic guanosine 5'-[gamma-thio]triphosphate in activating the polyphosphoinositide phosphodiesterase of hepatocyte membranes. Role for the guanine nucleotide regulatory protein Gp in signal transduction. Cockcroft S, et al. **Biochem J** 1987 Jan 15;241(2):409–14
Mechanistic origin of the sigmoidal rate behaviour of rat liver hexokinase D ('glucokinase'). Cornish-Bowden A, et al. **Biochem J** 1986 Nov 15;240(1):293–6
NADPH-dependent generation of a cytosolic dithiol which activates hepatic iodothyronine 5'-deiodinase. Demonstration by alkylation with iodoacetamide. Das AK, et al. **Biochem J** 1986 Dec 1;240(2):559–66
Kinetic mechanism of sheep liver NADPH-dependent aldehyde reductase. De Jongh KS, et al. **Biochem J** 1987 Feb 15;242(1):143–50
Studies on the mechanism of sheep liver cytosolic aldehyde dehydrogenase. The effect of pH on the aldehyde binding reactions and a re-examination of the problem of the site of proton release in the mechanism. Dickinson FM. **Biochem J** 1986 Aug 15;238(1):75–82
Acute effects of starvation and treatment of rats with anti-insulin serum, glucagon and catecholamines on the state of phosphorylation of hepatic 3-hydroxy-3-methylglutaryl-CoA reductase in vivo. Easom RA, et al. **Biochem J** 1987 Jan 1;241(1):183–8
Skeletal muscle and liver contain a soluble ATP + ubiquitin-dependent proteolytic system. Fagan JM, et al. **Biochem J** 1987 Apr 15;243(2):335–43
Substrate specificity and characterization of rat liver p-nitrophenol, 3 alpha-hydroxysteroid and 17 beta-hydroxysteroid UDP-glucuronosyltransferases. Falany CN, et al. **Biochem J** 1986 Aug 15;238(1):65–73
The polyamine-dependent modulation of phenylalanine hydroxylase phosphorylation state and enzymic activity in isolated liver cells. Fisher MJ, et al. **Biochem J** 1986 Jul 1;237(1):277–9
Glucose-6-phosphate dehydrogenase mRNA sequence abundance in primary cultures of rat hepatocytes. Effect of insulin and dexamethasone. Fritz RS, et al. **Biochem J** 1986 Jul 15;237(2):617–9
The presence and activity in normal and regenerating rat liver postmicrosomal supernatant fraction of an enzyme with properties similar to those of membrane-bound 5'-nucleotidase. Fritzson P, et al. **Biochem J** 1986 Oct 1; 239(1):185–90
Branched-chain 2-oxo acid dehydrogenase interferes with the measurement of the activity and activity state of hepatic pyruvate dehydrogenase. Goodwin GW, et al. **Biochem J** 1986 May 15;236(1):111–4
Strain differences in the maintenance of cytochrome P-450 and mixed-function-oxidase activities in cultured rat hepatocytes. Effect of prostaglandins. Grant MH, et al. **Biochem J** 1986 Nov 1;239(3):785–8
Control of gluconeogenesis in rat liver cells. Flux control coefficients of the enzymes in the gluconeogenic pathway in the absence and presence of glucagon. Groen AK, et al. **Biochem J** 1986 Jul 15;237(2):379–89
Regulation of renal and hepatic pyruvate dehydrogenase complex on carbohydrate re-feeding after starvation. Possible mechanisms and a regulatory role for thyroid hormone. Holness MJ, et al. **Biochem J** 1987 Jan 15; 241(2):421–5
Protein disulphide-isomerase from human placenta and rat liver. Purification and immunological characterization with monoclonal antibodies. Kaetzel CS, et al. **Biochem J** 1987 Jan 1;241(1):39–47
Characterization of the liver P2-purinoceptor involved in the activation of glycogen phosphorylase. Keppens S, et al. **Biochem J** 1986 Dec 1;240(2):367–71
Hydrolysis of a naturally occurring beta-glucoside by a broad-specificity beta-glucosidase from liver. LaMarco KL, et al. **Biochem J** 1986 Jul 15;237(2):469–76
A high-performance-liquid-chromatographic method for the assay of coproporphyrinogen oxidase activity in rat liver. Li F, et al. **Biochem J** 1986 Oct 15;239(2):481–4
Purification and subunit structure of phosphoglycerate dehydrogenase from rabbit liver. Lund K, et al. **Biochem J** 1986 Sep 15;238(3):919–22
Activation of hepatic glycogen phosphorylase b in vivo by sodium sulphate in normal (Wistar) and phosphorylase b kinase-deficient (gsd/gsd) rats. Lutaya G, et al. **Biochem J** 1986 Oct 15;239(2):493–6
The rapid desensitization of glucagon-stimulated adenylate cyclase is a cyclic AMP-independent process that can be mimicked by hormones which stimulate inositol phospholipid metabolism. Murphy GJ, et al. **Biochem J** 1987 Apr 1;243(1):39–46
Regulation of the pentose phosphate cycle. Cofactor that controls the inhibition of glucose-6-phosphate dehydrogenase by NADPH in rat liver. Nogueira M, et al. **Biochem J** 1986 Nov 1;239(3):553–8
Effects of insulin, glucagon, dexamethasone, cyclic GMP and spermine on the stability of phosphatidate phosphohydrolase activity in cultured rat hepatocytes. Pittner RA, et al. **Biochem J** 1986 Nov 15;240(1):253–7
The insulin- and glucagon-stimulated 'dense-vesicle' high-affinity cyclic AMP phosphodiesterase from rat liver. Purification, characterization and inhibitor sensitivity. Pyne NJ, et al. **Biochem J** 1987 Feb 15;242(1):33–42
How far does phospholipase C activity depend on the cell calcium concentration? A study in intact cells. Renard D, et al. **Biochem J** 1987 Apr 15;243(2):391–8
Phosphorylation of purified bovine heart and rat liver 6-phosphofructo-2-kinase by protein kinase C and comparison of the fructose-2,6-bisphosphatase activity of the two enzymes. Rider MH, et al. **Biochem J** 1986 Nov 15;240(1):57–61
Carnitine palmitoyltransferase in liver and five extrahepatic tissues in the rat. Inhibition by DL-2-bromopalmitoyl-CoA and effect of hypothyroidism. Saggerson ED, et al. **Biochem J** 1986 May 15;236(1):137–41
Intermediate Mr cytosolic components potentiate hepatic 5'-deiodinase activation by thiols. Sawada K, et al. **Biochem J** 1986 Sep 15;238(3):787–91
Human liver glutathione S-transferase psi. Chemical characterization and secondary-structure comparison with other mammalian glutathione S-transferases. Singh SV, et al. **Biochem J** 1987 Apr 1;243(1):61–7
Cellular localization and substrate specificity of isoelectric forms of human liver neuraminidase activity. Spaltro J, et al. **Biochem J** 1987 Jan 1;241(1):137–43
The glucagon-induced activation of pyruvate dehydrogenase in hepatocytes is diminished by 4 beta-phorbol 12-myristate 13-acetate. A role for cytoplasmic Ca2+ in dehydrogenase regulation. Staddon JM, et al. **Biochem J** 1987 Feb 1;241(3):729–35
The egasyn gene affects the processing of oligosaccharides of lysosomal beta-glucuronidase in liver. Swank RT, et al. **Biochem J** 1986 Dec 1;240(2):445–54
Relationship between RNA polymerase I activity and ornithine decarboxylase in rat liver tissues. Urata M, et al. **Biochem J** 1987 Jan 1;241(1):169–74
Identification of amino acid residues essential for enzyme activity of sheep liver 5,10-methylenetetrahydrofolate reductase. Varalakshmi K, et al. **Biochem J** 1986 May 15; 236(1):295–8
Intralipid administration induces a lipoprotein lipase-like activity in the livers of starved adult rats. Vilaró S, et al. **Biochem J** 1986 May 15;236(1):273–8
Protein kinase C catalyses the phosphorylation and activation of rat liver phospholipid methyltransferase. Villalba M, et al. **Biochem J** 1987 Feb 1;241(3):911–6
Incorporation of haemoglobin haem into the rat hepatic haemoproteins tryptophan pyrrolase and cytochrome P-450. Wyman JF, et al. **Biochem J** 1986 Sep 15; 238(3):837–46
L-threonine aldolase is not a genuine enzyme in rat liver. Yeung YG. **Biochem J** 1986 Jul 1;237(1):187–90
Properties of lysosomal beta-hexosaminidase accumulated in Niemann-Pick mouse liver. Banno Y, et al. **Biochem Med Metab Biol** 1986 Dec;36(3):322–32
Effects of oxytetracycline treatment on enzymes of hepatic glycogen metabolism in genetically diabetic (db/db) mice. Benzo CA. **Biochem Med Metab Biol** 1987 Feb;37(1):42–50
Immunoprecipitation and electrophoretic analysis of four human acyl-CoA dehydrogenases and electron transfer flavoprotein using antibodies raised against the corresponding rat enzymes. Ikeda Y, et al. **Biochem Med Metab Biol** 1987 Jun;37(3):329–34
The effect of storage on the kinetic properties of sheep hepatic pyruvate kinase. Kayrin L, et al. **Biochem Med Metab Biol** 1986 Feb;35(1):50–8
Purification and characterization of human liver branched-chain alpha-keto acid dehydrogenase complex. Ono K, et al. **Biochem Med Metab Biol** 1987 Apr; 37(2):133–41
Effect of a single subtoxic dose of aflatoxin B1 (AFB1) on glucose-6-phosphate dehydrogenase in mouse liver. Ankrah NA, et al. **Biochem Pharmacol** 1987 Apr 1; 36(7):1181–2
Human liver phenol sulfotransferase: assay conditions, biochemical properties and partial purification of isozymes of the thermostable form. Campbell NR, et al. **Biochem Pharmacol** 1987 May 1;36(9):1435–46
Effect of chronic primidone treatment on folate-dependent one-carbon metabolism in the rat. Carl GF, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2139–44
Photoaffinity labeling of beef liver monoamine oxidase-B by 4-fluoro-3-nitrophenyl azide. Chen SA, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):937–43
Two distinct mechanisms for regulation of gamma-glutamyl transpeptidase in cultured rat hepatocytes by glucocorticoid-like steroids. Edwards AM, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1223–30
Immunocytochemical localization of cytochrome P-450 in hepatic and extra-hepatic tissues of the rat with a monoclonal antibody against cytochrome P-450 c. Foster JR, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4543–54
Activation of phospholipase A2 by carbon tetrachloride in isolated rat hepatocytes. Glende EA Jr, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3301–7
Determination of monoamine oxidase concentrations in rat liver by inhibitor binding. Gomez N, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4467–72
Characterization of multiple epoxide hydrolase activities in mouse liver nuclear envelope. Guenthner TM. **Biochem Pharmacol** 1986 Oct 1;35(19):3261–6
The effects of hydrazine on the phosphatidate phosphohydrolase activity in rat liver. Haghighi B, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):1163–5
Catalase-dependent ethanol metabolism in vivo in deermice lacking alcohol dehydrogenase. Handler JA, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4487–92
Dihydrodiol dehydrogenases in guinea pig liver. Hara A, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):4005–12
Differences in glutathione synthesis and glutathione-S-transferase activities in hepatocytes from postnatal and adult mice. Harman AW, et al. **Biochem Pharmacol** 1987 Jan 1;36(1):177–9
Role of acetaldehyde in ethanol-induced increase in the activity of phosphatidate phosphatase in rat liver. Ide H, et al. **Biochem Pharmacol** 1987 Aug 1;36(15):2443–8
Induction of cytochrome P-448 activity as exemplified by the O-deethylation of ethoxyresorufin. Effects of dose, sex, tissue and animal species. Iwasaki K, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3879–84
The effect of carbon tetrachloride on the enzymatic hydrolysis of cellular triacylglycerol in adult rat hepatocytes in primary monolayer culture. Kato H, et al. **Biochem Pharmacol** 1987 Jun 1;36(11):1807–14
Effects of perfluorodecanoic acid on hepatic indices of thyroid status in the rat. Kelling CK, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1337–44
Acinar distribution of glutathione-dependent detoxifying enzymes. Low glutathione peroxidase activity in perivenous hepatocytes. Kera Y, et al. **Biochem Pharmacol** 1987 Jun 15;36(12):2003–6
Induction of peroxisomal fatty acyl-CoA oxidase and microsomal laurate hydroxylase activities by beclobric acid and two metabolites in primary cultures of rat hepatocytes. Kocarek TA, et al. **Biochem Pharmacol** 1987 Sep 15; 36(18):3027–32
Immunochemical and functional characterization of UDP-glucuronosyltransferases from rat liver, intestine and kidney. Koster AS, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):3971–5
Preparation and characterization of subcellular fractions from the liver of C57B1/6 mice, with special emphasis on their suitability for use in studies of epoxide hydrolase activities. Meijer J, et al. **Biochem Pharmacol** 1987 Apr 1; 36(7):1139–51
Cyclohexanol and methylcyclohexanols. A family of inhibitors of hepatic HMGCoA reductase in vivo. Miciak A, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3489–94
New analogues of benzylacyclouridines, specific and potent inhibitors of uridine phosphorylase from human and mouse

livers. Naguib FN, et al. **Biochem Pharmacol** 1987 Jul 1; 36(13):2195–201

The anticoagulant, hepatic lipase–releasing and lipoprotein lipase–releasing activities of several natural and chemically modified heparins differ. Pescador R, et al. **Biochem Pharmacol** 1987 Jan 15;36(2):253–7

Inhibitory effects of niacin and its analogues on induction of ornithine decarboxylase activity by diethylnitrosamine in rat liver. Sakamoto M, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):3015–9

Total cytochrome P–450, but not the major phenobarbitone or 3–methylcholanthrene induced isoenzyme, is differentially induced in the lobes of the rat liver. Sumner IG, et al. **Biochem Pharmacol** 1987 Feb 1;36(3):391–3

Assessment of the role of non–ADH ethanol oxidation in vivo and in hepatocytes from deermice. Takagi T, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3601–6

Effects of induction of rat liver cytosolic aldehyde dehydrogenase on the oxidation of biogenic aldehydes. Tank AW, et al. **Biochem Pharmacol** 1986 Dec 15; 35(24):4563–9

Studies on substrate specificity of the hog liver flavin–containing monooxygenase. Anionic organic sulfur compounds. Taylor KL, et al. **Biochem Pharmacol** 1987 Jan 1;36(1):141–6

The effect of S–warfarin administration on vitamin K 2,3–epoxide reductase activity in liver, kidney and testis of the rat. Thijssen HH, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3277–82

Metabolism of methotrexate and gamma–tert–butyl methotrexate by human leukemic cells in culture and by hepatic aldehyde oxidase in vitro. Wright JE, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2209–14

Stimulation of mixed–function oxidation by NADPH in perfused mouse livers. Studies with saponin–permeabilized tissue. Wu YR, et al. **Biochem Pharmacol** 1986 Oct 15; 35(20):3607–12

Chain–shortening of a xenobiotic acyl compound by the peroxisomal beta–oxidation system in rat liver. Yamada J, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4363–8

Guinea–pig liver morphine 6–dehydrogenase as a naloxone reductase. Yamano S, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4321–6

Inositol trisphosphate and tetrakisphosphate phosphomonoesterases of rat liver. Kirk CJ, et al. **Biochem Soc Trans** 1987 Feb;15(1):28–32

A comparative study of drug–metabolizing enzymes present in isolated rat liver parenchymal, Kupffer and endothelial cells. Oesch F, et al. **Biochem Soc Trans** 1987 Jun; 15(3):372–3

Active site modifications quench intrinsic fluorescence of rhodanese by different mechanisms. Cannella C, et al. **Biochemistry** 1986 Nov 18;25(23):7319–23

Interaction of spin–labeled nicotinamide adenine dinucleotide phosphate with chicken liver fatty acid synthase. Chang SI, et al. **Biochemistry** 1986 Aug 12;25(16):4661–8

Mammalian folylpoly–gamma–glutamate synthetase. 1. Purification and general properties of the hog liver enzyme. Cichowicz DJ, et al. **Biochemistry** 1987 Jan 27;26(2):504–12

Mammalian folylpoly–gamma–glutamate synthetase. 2. Substrate specificity and kinetic properties. Cichowicz DJ, et al. **Biochemistry** 1987 Jan 27;26(2):513–21

Mammalian folylpoly–gamma–glutamate synthetase. 4. In vitro and in vivo metabolism of folates and analogues and regulation of folate homeostasis. Cook JD, et al. **Biochemistry** 1987 Jan 27;26(2):530–9

S–adenosylhomocysteinase: mechanism of reversible and irreversible inactivation by ATP, cAMP, and 2'–deoxyadenosine. de la Haba G, et al. **Biochemistry** 1986 Dec 16;25(25):8337–42

Studies of the pH dependence of the formation of binary and ternary complexes with liver alcohol dehydrogenase. Eftink MR, et al. **Biochemistry** 1986 Oct 21;25(21):6624–30

Fluorescence lifetime and anisotropy studies with liver alcohol dehydrogenase and its complexes. Eftink MR, et al. **Biochemistry** 1986 Oct 21;25(21):6631–7

Quenching of the intrinsic fluorescence of liver alcohol dehydrogenase by the alkaline transition and by coenzyme binding. Eftink MR. **Biochemistry** 1986 Oct 21; 25(21):6620–4

Inhibition of malic enzyme by S–oxalylglutathione, a probable in vivo effector. Harris RK, et al. **Biochemistry** 1987 Jan 13;26(1):1–5

A preferential role for lysyl–tRNA4 in the synthesis of diadenosine 5',5'''–P1,P4–tetraphosphate by an arginyl–tRNA synthetase–lysyl–tRNA synthetase complex from rat liver. Hilderman RH, et al. **Biochemistry** 1987 Mar 24;26(6):1586–91

Structure of the class II enzyme of human liver alcohol dehydrogenase: combined cDNA and protein sequence determination of the pi subunit. Höög JO, et al. **Biochemistry** 1987 Apr 7;26(7):1926–32

Interaction of human calpains I and II with high molecular weight and low molecular weight kininogens and their heavy chain: mechanism of interaction and the role of divalent cations. Ishiguro H, et al. **Biochemistry** 1987 May 19;26(10):2863–70

Dissociation and in vitro reconstitution of bovine liver uridine diphosphoglucose dehydrogenase. The paired subunit nature of the enzyme. Jaenicke R, et al. **Biochemistry** 1986 Nov 18;25(23):7283–7

Effects of diethylstilbestrol, 2,2'–dithiodipyridine, and chloral hydrate on the esterase activity of sheep liver cytoplasmic aldehyde dehydrogenase. Kitson TM. **Biochemistry** 1986 Aug 12;25(16):4718–24

Stereochemical course of thiophosphoryl transfer catalyzed by cytosolic phosphoenolpyruvate carboxykinase. Konopka JM, et al. **Biochemistry** 1986 Sep 23;25(19):5571–5

Kinetic and nuclear magnetic resonance study of the interaction of NADP+ and NADPH with chicken liver fatty acid synthase. Leanz GF, et al. **Biochemistry** 1986 Sep 23;25(19):5617–24

Characterization of a transient intermediate formed in the liver alcohol dehydrogenase catalyzed reduction of 3–hydroxy–4–nitrobenzaldehyde. MacGibbon AK, et al. **Biochemistry** 1987 Jun 2;26(11):3058–67

Bromoacetophenone as an affinity reagent for human liver aldehyde dehydrogenase. MacKerell AD Jr, et al. **Biochemistry** 1986 Sep 9;25(18):5182–9

Human class I alcohol dehydrogenases catalyze the interconversion of alcohols and aldehydes in the metabolism of dopamine. Mårdh G, et al. **Biochemistry** 1986 Nov 18;25(23):7279–82

Purification of bleomycin hydrolase with a monoclonal antibody and its characterization. Nishimura C, et al. **Biochemistry** 1987 Mar 24;26(6):1574–8

Evidence for the existence of a tyrosyl residue in the nicotinamide adenine dinucleotide binding site of chicken liver xanthine dehydrogenase. Nishino T, et al. **Biochemistry** 1987 Jun 2;26(11):3068–72

Localization of the free radical on the flavin mononucleotide of the air–stable semiquinone state of NADPH–cytochrome P–450 reductase using 31P NMR spectroscopy. Otvos JD, et al. **Biochemistry** 1986 Nov 4;25(22):7220–8

Kinetics of native and modified liver alcohol dehydrogenase with coenzyme analogues: isomerization of enzyme–nicotinamide adenine dinucleotide complex. Plapp BV, et al. **Biochemistry** 1986 Sep 23;25(19):5396–402

Stopped–flow studies on the mechanism of oxidation of N–methyl–4–phenyltetrahydropyridine by bovine liver monoamine oxidase B. Ramsay RR, et al. **Biochemistry** 1987 Jun 2;26(11):3045–50

Relationship between fructose 2,6–bisphosphate activation and MgATP inhibition of rat liver phosphofructokinase at high pH. Kinetic evidence for individual binding sites linked by finite couplings. Reinhart GD, et al. **Biochemistry** 1986 Nov 18;25(23):7308–13

Regulation of 3–hydroxy–3–methylglutaryl coenzyme A reductase mRNA levels by L–triiodothyronine. Sample CE, et al. **Biochemistry** 1987 Feb 10;26(3):727–31

Regulation of rabbit liver fructose–1,6–bisphosphatase by metals, nucleotides, and fructose 2,6–bisphosphate as determined from fluorescence studies. Scheffler JE, et al. **Biochemistry** 1986 Oct 21;25(21):6659–65

Isolation of a multifunctional protein with aminoimidazole ribonucleotide synthetase, glycinamide ribonucleotide synthetase, and glycinamide ribonucleotide transformylase activities: characterization of aminoimidazole ribonucleotide synthetase. Schrimsher JL, et al. **Biochemistry** 1986 Jul 29;25(15):4356–65

cAMP–dependent protein kinases I and II: divergent turnover of subunits. Weber W, et al. **Biochemistry** 1986 Sep 23;25(19):5661–7

Regulation of acetyl–CoA carboxylase by ADP–ribosylation. Witters LA, et al. **Biochemistry** 1986 Nov 4;25(22):7216–20

Characterization of ethanol–inducible human liver N–nitrosodimethylamine demethylase. Wrighton SA, et al. **Biochemistry** 1986 Nov 4;25(22):6731–5

Isocholic acid formation from 7 alpha,12 alpha–dihydroxy–3–keto–5 beta–cholanoic acid with human liver enzyme. Amuro Y, et al. **Biochim Biophys Acta** 1986 Dec 5;879(3):362–8

Modulation of alkaline phosphodiesterase I in cultured rat hepatocytes. Baffet G, et al. **Biochim Biophys Acta** 1987 Apr 22;928(2):144–51

The synthesis and turnover of 5'–nucleotidase in primary cultured hepatocytes. Baron MD, et al. **Biochim Biophys Acta** 1987 Jan 19;927(1):81–5

Sex–linked changes in immunoreactive glucose–6–phosphate dehydrogenase in rat liver. Barton CH, et al. **Biochim Biophys Acta** 1986 Nov 19;884(2):299–303

Hepatic lipase: a member of a family of structurally related lipases [published erratum appears in Biochim Biophys Acta 1987 Aug 15;920(3):311] Ben–Zeev O, et al. **Biochim Biophys Acta** 1987 May 13;919(1):13–20

Human liver methenyltetrahydrofolate synthetase: improved purification and increased affinity for folate polyglutamate substrates. Bertrand R, et al. **Biochim Biophys Acta** 1987 Jan 30;911(2):154–61

Measurement of acetyl–CoA carboxylase activity in isolated hepatocytes. Bijleveld C, et al. **Biochim Biophys Acta** 1987 Apr 24;918(3):274–83

Characterization of the intracellular processing and secretion of hepatic lipase in FU5AH rat hepatoma cells. Cisar LA, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):305–14

Properties of liver retinyl ester hydrolase in young pigs. Cooper DA, et al. **Biochim Biophys Acta** 1986 Nov 19; 884(2):251–8

Reciprocal regulation of glutamine synthetase and carbamoylphosphate synthetase levels in rat liver. de Groot CJ, et al. **Biochim Biophys Acta** 1987 Apr 29;908(3):231–40

Characteristics and behavior during partial purification of estrogen sulfotransferase of guinea pig liver and chorion. Dick CM, et al. **Biochim Biophys Acta** 1987 Sep 11; 925(3):362–70

alpha–D–mannopyranosylmethyl–p–nitrophenyltriazene inhibition of rat liver alpha–D–mannosidases. Docherty PA, et al. **Biochim Biophys Acta** 1987 Aug 21;914(3):283–8

Identification of the 90 kDa substrate of rat liver type II casein kinase with the heat shock protein which binds steroid receptors. Dougherty JJ, et al. **Biochim Biophys Acta** 1987 Jan 19;927(1):74–80

Effects of epinephrine, glucagon and insulin on the activity and degree of phosphorylation of fructose–1,6–bisphosphatase in cultured hepatocytes. Ekdahl KN, et al. **Biochim Biophys Acta** 1987 Jul 29; 929(3):318–26

Metabolism of cis–12–octadecenoic acid and trans–9,trans–12–octadecadienoic acid and their influence on lipogenic enzyme activities in mouse liver. Emken EA, et al. **Biochim Biophys Acta** 1987 Jun 2;919(2):111–21

The stereoselectivity of four hepatic glutathione S–transferases purified from a marine elasmobranch (Raja erinacea) with several K–region polycyclic arene oxide substrates. Foureman GL, et al. **Biochim Biophys Acta** 1987 Aug 5;914(2):127–35

Studies on catalase compartmentation in digitonin–treated rat hepatocytes. Fukami MH, et al. **Biochim Biophys Acta** 1986 Oct 31;889(1):91–4

Effects of amino–acid composition of the medium and addition of fatty–acid derivatives on the induction of lipogenic enzymes in cultured hepatocytes. Fukuda H, et al. **Biochim Biophys Acta** 1987 Jul 13;920(1):56–61

Lipids associated with tissue transglutaminase. Harsfalvi J, et al. **Biochim Biophys Acta** 1987 Jan 20;923(1):42–5

Rapid purification of dipeptidyl peptidase IV from rat liver plasma membrane. Hartel S, et al. **Biochim Biophys Acta** 1987 Jun 22;924(3):543–7

Gender–related effects of chronic ethanol ingestion on rat hepatic acyl–CoA:cholesterol acyltransferase. Hashimoto S, et al. **Biochim Biophys Acta** 1986 Oct 24;879(1):66–72

Purification and some properties of liver adenylylsulfate kinase. Hommes FA, et al. **Biochim Biophys Acta** 1987 May 19;924(2):270–5

Variations in the glutathione S–transferase subunits expressed in human livers. Hussey AJ, et al. **Biochim Biophys Acta** 1986 Nov 7;874(1):1–12

Purification and properties of peroxisomal carnitine palmitoyltransferase in chick embryo liver. Ishii S, et al. **Biochim Biophys Acta** 1987 Jun 22;924(3):530–42

Role of lysosomotrophic reagents in glucocorticoid hormone action. Kalimi M. **Biochim Biophys Acta** 1986 Oct 1; 883(3):593–7

Effects of clofibric acid and tiadenol on cytosolic long–chain acyl–CoA hydrolase and peroxisomal beta–oxidation in liver and extrahepatic tissues of rats. Katoh H, et al. **Biochim Biophys Acta** 1987 Jul 31;920(2):171–9

Effects of levonorgestrel on enzymes responsible for synthesis of triacylglycerols in rat liver. Khokha R, et al. **Biochim Biophys Acta** 1987 Apr 3;918(2):120–5

A distinction in vitro between rat liver phosphatidate phosphatase and phospholipase C. Lamb RG, et al. **Biochim Biophys Acta** 1987 Sep 4;921(1):67–74

Rat liver aryl sulfotransferase–catalyzed sulfation and rearrangement of 9–fluorenone oxime. Mangold JB, et al. **Biochim Biophys Acta** 1986 Nov 7;874(1):37–43

Hepatic triacylglycerol lipase in circulating blood of normal and tumor–bearing mice and its hydrolysis of very–low–density lipoprotein and synthetic acylglycerols. Masuno H, et al. **Biochim Biophys Acta** 1986 Dec 5; 879(3):339–44

Purification and characterization of thymidylate synthetase from rat regenerating liver. Nakata R, et al. **Biochim Biophys Acta** 1987 May 19;924(2):297–302

Structural modulation of salt–resistant rat–liver lipase alters the relative phospholipase and triacylglycerol hydrolase activities. Persoon NL, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):186–93

Chemical modification of bovine liver rhodanese with tetrathionate: differential effects on the sulfur–free and sulfur–containing catalytic intermediates. Prasad AR, et al. **Biochim Biophys Acta** 1987 Jan 5;911(1):102–8

Purification and characterization of two forms of glyoxalase II from the liver and brain of Wistar rats. Principato GB, et al. **Biochim Biophys Acta** 1987 Feb 25;911(3):349–55

Reaction of liver pyruvate kinase with sulfhydryl reagents: effect on its activity. Rafter GW, et al. **Biochim Biophys Acta** 1987 Jun 17;913(2):195–9

The role of acyl–CoA: cholesterol acyltransferase in the metabolism of free cholesterol to cholesteryl esters or bile acids in primary cultures of rat hepatocytes. Sampson WJ, et al. **Biochim Biophys Acta** 1987 Jul 13;920(1):1–8

The subcellular localization of phytanic acid oxidase in rat liver. Skjeldal OH, et al. **Biochim Biophys Acta** 1987 Sep 4;921(1):38–42

Synthesis and hydrolysis of cholesteryl esters by isolated rat–liver lysosomes and cell–free extracts of human lung fibroblasts. Slotte JP, et al. **Biochim Biophys Acta** 1986 Nov 14;879(2):221–8

Identity of beta–alanine–oxo–glutarate aminotransferase and L–beta–aminoisobutyrate aminotransferase in rat liver. Tamaki N, et al. **Biochim Biophys Acta** 1987 Aug 13; 925(2):238–40

A fluorescence and NMR relaxation study of thermally–induced conformational changes in liver alcohol dehydrogenase. Wasylewski Z, et al.

Biochim Biophys Acta 1987 Jun 17;913(2):210–8

Active-site-directed inactivation of human liver alpha-L-fucosidase by conduritol C trans-epoxide. White WJ Jr, et al. **Biochim Biophys Acta** 1986 Sep 26; 873(2):198–203

Further studies on the catalytic mechanism of human liver alpha-L-fucosidase. White WJ Jr, et al. **Biochim Biophys Acta** 1987 Mar 18;912(1):132–8

Purification and properties of GM2 synthase, UDP-N-acetylgalactosamine: GM3 beta-N-acetylgalactosaminyltransferase from rat liver. Yanagisawa K, et al. **Biochim Biophys Acta** 1987 Jun 23; 919(3):213–20

Hepatic tyrosine aminotransferase from the rainbow lizard Agama agama: purification and some properties. Echetebu CO, et al. **Biochimie** 1987 Mar;69(3):223–30

Phospholipid dependence of the neutral sphingomyelinase in rat liver plasma membranes. Petkova DH, et al. **Biochimie** 1986 Oct–Nov;68(10–11):1195–200

Malate dehydrogenase and glucose-6-phosphate dehydrogenase activity in livers of Ni-deficient rats. Kirchgessner M, et al. **Bioinorg Chem** 1976;6(2):155–61

Malate dehydrogenase species in the cytosolic fraction of chicken liver. Domènech C, et al. **Biol Chem Hoppe Seyler** 1986 Oct;367(10):1069–76

The intra-acinar distribution patterns of alcohol-dehydrogenase activity in the liver of juvenile, castrated and testosterone-treated rats. Maly IP, et al. **Biol Chem Hoppe Seyler** 1987 Apr;368(4):315–21

Properties of human liver lysosomal sialidase. Michalski JC, et al. **Biol Chem Hoppe Seyler** 1986 Aug;367(8):715–22

Fatty-acid biosynthesis in man, a pathway of minor importance. Purification, optimal assay conditions, and organ distribution of fatty-acid synthase. Weiss L, et al. **Biol Chem Hoppe Seyler** 1986 Sep;367(9):905–12

Effect of dexamethasone on the adenylate cyclase system of cultured hepatocytes of fetal rats. Nishida N, et al. **Biol Neonate** 1987;52(1):33–9

Characterization of lipoprotein lipase activity in the newborn rat liver. Reina M, et al. **Biol Neonate** 1987;51(1):45–52

Ontogeny of fatty acid-activating enzyme in rat liver and lung. Riaz-ul-Haq. **Biol Neonate** 1986;50(3):160–4

Development of enzymes of glycerol metabolism in human fetal liver. Sadava D, et al. **Biol Neonate** 1987;52(1):26–32

An improved method for adrenalectomy of suckling rats. The influence of thrombin treatment and deoxycorticosterone substitution on survival and on hepatic and renal enzyme activities. Schulze E, et al. **Biomed Biochim Acta** 1986;45(8):1049–56

Antibodies to rat liver cathepsins: characterization and use for the identification of enzyme precursors. Wiederanders B, et al. **Biomed Biochim Acta** 1986;45(11–12):1421–31

The rate of equine liver alcohol dehydrogenase denaturation by urea. Dependence on temperature and denaturant concentration. Gonnelli M, et al. **Biophys Chem** 1986 Jul; 24(2):161–7

Species variations amongst proteinases in liver lysosomes. Béchet D, et al. **Biosci Rep** 1986 Nov;6(11):991–7

Regulation of acyl CoA: cholesterol acyl transferase (ACAT) activity by mevalonate and cholesterol in isolated rat hepatocytes during perinatal development. Bruscalupi G, et al. **Biosci Rep** 1986 Aug;6(8):735–40

Protein kinase activities in rat liver nuclei: effects of age and partial hepatectomy. Cumming DV, et al. **Biosci Rep** 1986 Jun;6(6):565–71

Monoclonal antibodies to rabbit liver cathepsin B. Wardale RJ, et al. **Biosci Rep** 1986 Jul;6(7):639–46

The effect of cigarette smoking on 7-ethoxyresorufin O-deethylase and other monooxygenase activities in human liver: analyses with monoclonal antibodies. Pelkonen O, et al. **Br J Clin Pharmacol** 1986 Aug;22(2):125–34

Lack of effect of ketanserin on indices of hepatic enzyme induction. Waller PC, et al. **Br J Clin Pharmacol** 1987 Jul; 24(1):118–9

Polycyclic aromatic hydrocarbon metabolism in mullets, Chelon labrosus, treated by polychlorinated biphenyls. Narbonne JF, et al. **Bull Environ Contam Toxicol** 1987 Jan; 38(1):53–7

Galactosyltransferase: multiple forms in serum of normal and hepatoma Mc-29 bearing chickens and from liver and hepatoma microsomal and plasma membrane preparations. Ivanov S, et al. **Cancer Biochem Biophys** 1986 Dec; 9(1):41–51

Induction of ornithine decarboxylase by aromatic amines in rat liver. Göttlicher M, et al. **Cancer Lett** 1987 Apr; 35(1):65–70

Suppression of nuclear ADP-ribosyltransferase activity in regenerating rat liver by 5-azacytidine and its relevance to the nuclear methylating activities. Hoshino J, et al. **Cancer Lett** 1987 Jun;35(3):245–51

Continued development of hepatic gamma-glutamyltranspeptidase-positive foci upon withdrawal of 17 alpha-ethynylestradiol in diethylnitrosamine-initiated rats. Campen DB, et al. **Cancer Res** 1987 May 1;47(9):2328–33

Monoclonal antibodies to ethanol-induced rat liver cytochrome P-450 that metabolizes aniline and nitrosamines. Ko IY, et al. **Cancer Res** 1987 Jun 15; 47(12):3101–9

A monoclonal antibody specific for the Yc subunit of rat liver glutathione S-transferase B. Matsumoto K, et al. **Cancer Res** 1986 Oct;46(10):5259–63

Analysis of peroxisome proliferator-induced preneoplastic and neoplastic lesions of rat liver for placental form of glutathione S-transferase and gamma-glutamyltranspeptidase. Rao MS, et al. **Cancer Res** 1986 Oct;46(10):5287–90

Effects of rat strain, diet composition, and phenobarbital on hepatic gamma-glutamyl transpeptidase histochemistry and on the induction of altered hepatocyte foci and hepatic tumors by diethylnitrosamine. Russell JJ, et al. **Cancer Res** 1987 Feb 15;47(4):1130–4

Inhibition by pentachlorophenol of the initiating and promoting activities of 1'-hydroxysafrole for the formation of enzyme-altered foci and tumors in rat liver. Boberg EW, et al. **Carcinogenesis** 1987 Apr;8(4):531–9

Enhancing effect of co-administration of polychlorinated biphenyls and diethylnitrosamine on enzyme-altered islands induced by diethylnitrosamine in rat liver. Deml E, et al. **Carcinogenesis** 1986 Oct;7(10):1697–700

Quantitative stereological evaluation of four histochemical markers of altered foci in multistage hepatocarcinogenesis in the rat. Hendrich S, et al. **Carcinogenesis** 1987 Sep; 8(9):1245–50

Uptake of taurocholate by isolated gamma-glutamyltranspeptidase positive, putatively preneoplastic hepatocytes from 2-acetylaminofluorene treated rats. Lebsanft J, et al. **Carcinogenesis** 1986 Nov; 7(11):1925–6

Benzidine activation in the Ames test: roles of hepatic N-acetyltransferase and other cytosolic and microsomal factors. Light HC, et al. **Carcinogenesis** 1987 Jan; 8(1):139–43

Changes in aldehyde dehydrogenase activity during diethylnitrosamine-initiated rat hepatocarcinogenesis. Lindahl R, et al. **Carcinogenesis** 1987 Jun;8(6):785–90

O6-methylguanine DNA methyltransferase activity in liver from various fish species. Nakatsuru Y, et al. **Carcinogenesis** 1987 Aug;8(8):1123–7

Effects of separate and combined treatments with gamma radiation and diethylnitrosamine in neonatal rats on the induction of altered hepatocyte foci and hepatic tumors. Peraino C, et al. **Carcinogenesis** 1987 Apr;8(4):599–600

Transformation related expression of glutathione-S-transferase P in rat liver cells. Power C, et al. **Carcinogenesis** 1987 Jun;8(6):797–801

Induction of gamma-glutamyl transpeptidase mRNA by aflatoxin B1 and ethoxyquin in rat liver. Power CA, et al. **Carcinogenesis** 1987 May;8(5):737–40

Persistent effect of a low dose of preadministered diethylnitrosamine on the induction of enzyme-altered foci in rat liver. Takahashi S, et al. **Carcinogenesis** 1987 Apr; 8(4):509–13

Immunohistochemically demonstrated altered expression of cytochrome P-450 molecular forms and epoxide hydrolase in N-ethyl-N-hydroxyethylnitrosamine-induced rat kidney and liver lesions. Tsuda H, et al. **Carcinogenesis** 1987 May;8(5):711–7

Inhibition by indomethacin and 5,8,11,14-eicosatetraynoic acid of the induction of rat hepatic ornithine decarboxylase by the tumor promoters phenobarbital and 12-O-tetradecanoylphorbol-13-acetate in vivo. van Rooijen LA, et al. **Carcinogenesis** 1987 Jan;8(1):191–2

Suppression by methionine and choline of onco-fetal patterns of liver tRNA methyltransferase activities in carcinogen-treated rats. Wainfan E, et al. **Carcinogenesis** 1987 Apr;8(4):615–7

The clonal nature of carcinogen-induced altered foci of gamma-glutamyl transpeptidase expression in rat liver. Weinberg WC, et al. **Carcinogenesis** 1987 Apr;8(4):565–70

Involvement of the esterase active site of egasyn in compartmentalization of beta-glucuronidase within the endoplasmic reticulum. Medda S, et al. **Cell** 1987 Jul 17; 50(2):301–10

Differential time-course of induction of rat liver gamma-glutamyltransferase and drug-metabolizing enzymes in the endoplasmic reticulum, Golgi and plasma membranes after a single phenobarbital injection. Evaluation of protein variations by two-dimensional electrophoresis. Antoine B, et al. **Cell Biochem Funct** 1987 Jul;5(3):217–31

Studies on ornithine decarboxylase from liver, kidney and tumoral tissues during activity decay following cycloheximide administration. Gravela E, et al. **Cell Biol Int Rep** 1987 Aug;11(8):573–82

Long-term maintenance of monooxygenase activities in cultured fetal rat hepatocytes. Bollinne A, et al. **Cell Differ** 1987 Sep;21(4):239–46

Further extension of TRIDENT quantification in pattern analysis of liver dehydrogenases. Bhattacharya RD, et al. **Cell Mol Biol** 1986;32(5):587–91

Comparative studies of M4-purified lactate dehydrogenase (LD) from the liver of Scotophilus heathi and Cynopterus sphinx (micro- and mega- chiropteran bats). Das SC, et al. **Cell Mol Biol** 1987;33(2):275–81

Cellular and subcellular distribution of alpha-1-antitrypsin in the normal rat liver and during acute inflammatory reaction. A light and electron microscopic study with peroxidase labelled antibodies. Lamri Y, et al. **Cell Mol Biol** 1986;32(6):691–9

Application of automatic image analysis for morphometric studies of peroxisomes stained cytochemically for catalase. II. Light-microscopic application. Beier K, et al. **Cell Tissue Res** 1987 Jan;247(1):179–85

Effect of phenobarbital and 3-methylcholanthrene on aldehyde dehydrogenase activity in cultures of HepG2 cells and normal human hepatocytes. Marselos M, et al. **Chem Biol Interact** 1987;62(1):75–88

Hepatic levels of cytosolic, microsomal and 'mitochondrial' epoxide hydrolases and other drug-metabolizing enzymes after treatment of mice with various xenobiotics and endogenous compounds. Meijer J, et al. **Chem Biol Interact** 1987;62(3):249–69

Induction of rat liver O6-alkylguanine-DNA alkyltransferase by bleomycin. Schmerold I, et al. **Chem Biol Interact** 1986 Dec;60(3):297–304

Inhibition of rat liver glucokinase by alloxan and ninhydrin. Hara H, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov; 34(11):4731–7

Effect of high cholesterol diet on rat liver peroxisomal enzymes. Hayashi H, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep;34(9):3964–7

Peroxisomal enzyme activities in the liver of overtly diabetic non-obese diabetic mouse. Horie S, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov;34(11):4703–7

Separation of the molecular forms of chicken liver cytosolic aldehyde reductase and comparison with mitochondrial aldehyde reductase. Kohno T, et al. **Chem Pharm Bull (Tokyo)** 1986 Dec;34(12):5034–9

Isolation and identification of self-transfer products formed by guinea pig liver beta-mannosidase. Kyosaka S, et al. **Chem Pharm Bull (Tokyo)** 1986 Dec;34(12):5140–3

Further analysis of multiple forms of rabbit hepatic glutathione S-transferase. Miyaura S, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):2919–25

Subcellular localization and some properties of intermediate-molecular-weight acid phosphatase from rat liver. Murakami K, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug;34(8):3320–7

Transaminases of hepatic tissue culture cells and the effect of carbon tetrachloride on their leakage. Watanabe S, et al. **Chem Pharm Bull (Tokyo)** 1977 May;25(5):1089–93

Alterations of Na+-K+-ATPase, Ca2+-ATPase, and Mg2+-ATPase activities in erythrocyte, muscle, and liver of traumatic and septic patients. Liaw KY, et al. **Circ Shock** 1987;22(3):195–203

Clinical application of enzyme immunoassay in the analysis of citrullinemia. Imamura Y, et al. **Clin Chim Acta** 1987 Apr 30;164(2):201–8

Absence of argininosuccinate lyase protein in the liver of two patients with argininosuccinic aciduria. Kobayashi K, et al. **Clin Chim Acta** 1986 Aug 30;159(1):59–67

Hepatic acyl-CoA:cholesterol acyltransferase. Development of a standard assay and determination in patients with cholesterol gallstones. Smith JL, et al. **Clin Chim Acta** 1986 Aug 15;158(3):271–82

In vitro studies upon the release of gamma-glutamyltransferase from human liver. Wenham PR, et al. **Clin Chim Acta** 1986 Nov 15;160(3):223–33

Normalization of lipoprotein lipase and hepatic lipase by gemfibrozil results in correction of lipoprotein abnormalities in chronic renal failure. Pasternack A, et al. **Clin Nephrol** 1987 Apr;27(4):163–8

Lack of effect of hepatic enzyme induction on metabolic control in patients with type 2 (non-insulin-dependent) diabetes. Korhonen T, et al. **Clin Pharmacol Ther** 1987 Jun; 41(6):633–8

Effect of uremic plasma on mouse liver delta-aminolevulinic acid synthetase activity. Yalouris AG, et al. **Clin Physiol Biochem** 1986;4(6):368–71

Carnitine acyltransferases and acyl-CoA hydrolases in human and rat liver. Agius L, et al. **Clin Sci** 1987 Jul;73(1):3–10

Effect of feeding pattern on the sensitivity of hepatic carnitine palmitoyl-transferase to inhibition by malonyl-CoA in the rat. Escrivá F, et al. **Comp Biochem Physiol [A]** 1987; 87(4):1041–3

Bile pigment formation and excretion in the rabbit. Muñoz ME, et al. **Comp Biochem Physiol [A]** 1986;85(1):67–71

A comparative study of hepatic and epidermal histidase in the guinea-pig (Cavia porcellus). Allen RL, et al. **Comp Biochem Physiol [B]** 1986;84(4):523–9

Comparison of the effects of polyamines on the activities of RNA polymerases from murine normal tissues and transplantable tumors. Blair DG. **Comp Biochem Physiol [B]** 1986;85(4):833–44

Interspecies differences in rhodanese (thiosulfate sulfurtransferase, EC 2.8.1.1) activity in liver, kidney and plasma. Drawbaugh RB, et al. **Comp Biochem Physiol [B]** 1987;86(2):307–10

Trout (Salmo gairdneri R.) liver 5-aminolevulinate synthetase: subcellular distribution and properties. Fernández J, et al. **Comp Biochem Physiol [B]** 1987; 86(2):245–9

Peptidyl transferase centres of rat and yeast ribosomes. Different response to modification of protein amino groups. González PJ, et al. **Comp Biochem Physiol [B]** 1986; 85(4):895–8

Catfish liver acid phosphatases: differently glycosylated enzyme molecules with altered kinetic properties. Janska H, et al. **Comp Biochem Physiol [B]** 1986;85(4):753–8

The purification, characterization and regulatory properties of liver phosphofructokinase in the Arabian one-humped camel (Camelus dromedarius). Khoja SM, et al. **Comp Biochem Physiol [B]** 1987;87(2):335–40

Phosphofructokinase from the epithelial cells of rat small intestine. Comparison of regulatory properties with those

of skeletal muscle, liver and brain phosphofructokinase. Khoja SM. **Comp Biochem Physiol [B]** 1986;85(2):337–41
Seasonal changes in hepatic activity of G–6–phosphate and alpha–glycerophosphate dehydrogenase in farmed polecats and raccoon dogs. Korhonen H, et al. **Comp Biochem Physiol [B]** 1987;86(1):117–21
Chicken liver purine nucleoside phosphorylase activity dependency of the redox state of sulfhydryl groups. Mora M, et al. **Comp Biochem Physiol [B]** 1987;87(2):403–9
Purine salvage as metabolite and energy saving mechanism in Camelus dromedarius: the recovery of guanine. Mura U, et al. **Comp Biochem Physiol [B]** 1987;87(1):157–60
Tyrosine aminotransferase of chicken liver: purification and properties. Onoagbe IO, et al. **Comp Biochem Physiol [B]** 1987;86(1):179–83
Purification and partial characterization of chicken liver acetyl coenzyme A: arylamine N-acetyltransferase. Rougraff PM, et al. **Comp Biochem Physiol [B]** 1987; 86(3):601–6
Glutamine synthetase in liver of the American alligator, Alligator mississippiensis. Smith DD Jr, et al. **Comp Biochem Physiol [B]** 1987;86(4):755–62
Enzymes with phosphoglycolate phosphatase activity in chicken skeletal muscle and liver. Tauler A, et al. **Comp Biochem Physiol [B]** 1987;87(3):625–8
Immunochemical comparisons of proteins that bind heme and bilirubin: human serum albumin, alpha–fetoprotein and glutathione S–transferases from liver, placenta and erythrocyte. Vander Jagt DL, et al. **Comp Biochem Physiol [B]** 1987;87(3):527–31
Enzyme activity in livers from chickens (Gallus domesticus) experimentally infected with the digenetic trematode, Amphimerus elongatus (Trematoda: Opisthorchiidae). Weil MR, et al. **Comp Biochem Physiol [B]** 1986;85(4):847–50
Acetate metabolism by tissues of the rabbit. Woodnutt G, et al. **Comp Biochem Physiol [B]** 1986;85(2):487–90
Changes of the liver UDP–glucuronosyltransferase activity in trout (Salmo gairdneri Rich.) acutely exposed to selected aquatic toxicants. Castrén M, et al. **Comp Biochem Physiol [C]** 1987;86(2):357–60
Induction of anionic glutathione transferases in rat liver by propylthiouracil. Lee E, et al. **Comp Biochem Physiol [C]** 1987;86(1):41–4
Liver alcohol dehydrogenase. Pettersson G. **CRC Crit Rev Biochem** 1987;21(4):349–89 (167 ref.)
Hepatic uridine–diphosphate glucuronyl transferase activity of guinea pig with scurvy. Constantopoulos A, et al. **Cytobios** 1987;50(202–203):173–9
Development of adenosine 5'-triphosphate sulfurylase and adenosine phosphosulfate kinase in rat cerebrum and liver. Matsuo K, et al. **Dev Neurosci** 1987;9(2):128–32
Ontogenesis of multiple forms of monoamine oxidase in rat brain regions and liver. Tsang D, et al. **Dev Neurosci** 1986; 8(4):243–50
Characterization of human fetal hepatic cytochrome P-450–associated 7–ethoxyresorufin O–deethylase and aryl hydrocarbon hydroxylase activities by monoclonal antibodies. Pasanen M, et al. **Dev Pharmacol Ther** 1987; 10(2):125–32
Hepatic mixed function oxidase system and enzymatic glucose metabolism in rats. Karvonen I, et al. **Diabetes Res** 1987 Apr;4(4):195–200
Differences in the in vivo and in vitro effects of the carbamate insecticide, carbaryl on rat hepatic monooxygenases. Knight EV, et al. **Drug Chem Toxicol** 1986;9(3–4):253–73
The role of acetylator genotype on hepatic and extrahepatic acetylation, deacetylation, and sulfation of 2–aminofluorene, 2–acetylaminofluorene, and N–hydroxy–2–acetylaminofluorene in the inbred hamster. Hein DW, et al. **Drug Metab Dispos** 1986 Sep–Oct; 14(5):566–73
Deacetylation of diltiazem by rat liver. LeBoeuf E, et al. **Drug Metab Dispos** 1987 Jan–Feb;15(1):122–6
Characterization of the induction of cytosolic and microsomal epoxide hydrolases by 2–ethylhexanoic acid in mouse liver. Lundgren B, et al. **Drug Metab Dispos** 1987 Jan–Feb;15(1):114–21
Mouse liver thiol methyltransferase. Assay conditions, biochemical properties, and strain variation. Otterness DM, et al. **Drug Metab Dispos** 1986 Nov–Dec;14(6):680–8
In vivo and in vitro 1–methylxanthine metabolism in the rat. Evidence that the dehydrogenase form of xanthine oxidase predominates in intact perfused liver. Reinke LA, et al. **Drug Metab Dispos** 1987 May–Jun;15(3):295–9
Induction and inhibition of rat hepatic drug metabolism by N–substituted imidazole drugs. Ritter JK, et al. **Drug Metab Dispos** 1987 May–Jun;15(3):335–43
Normal levels of hepatic drug–metabolizing enzymes in neonatally induced, growth hormone–deficient adult male and female rats. Shapiro BH, et al. **Drug Metab Dispos** 1986 Sep–Oct;14(5):585–9
Effect of cimetidine or ranitidine pretreatment on hepatic mixed function oxidase activity in the rat. Yee NS, et al. **Drug Metab Dispos** 1986 Sep–Oct;14(5):580–4
Long–term effects of bleached kraft mill effluents on carbohydrate metabolism and hepatic xenobiotic biotransformation enzymes in fish. Andersson T, et al. **Ecotoxicol Environ Safety** 1987 Feb;13(1):53–60
Effect of gamma–hexachlorocyclohexane (lindane) on carp (Cyprinus carpio). II. Effects of chronic intoxication on blood, liver enzymes, and muscle plasmic membrane. Demael A, et al. **Ecotoxicol Environ Safety** 1987 Jun; 13(3):346–51
cDNA–derived amino acid sequence of rat mitochondrial 3–oxoacyl–CoA thiolase with no transient presequence: structural relationship with peroxisomal isozyme. Arakawa H, et al. **EMBO J** 1987 May;6(5):1361–6
Effect of thyroxine in vivo on malic enzyme activity in liver cytosol of propylthiouracil and alpha–amanitin treated rats. Knopp J, et al. **Endocrinol Exp (Bratisl)** 1987 Jun; 21(2):125–32
Aromatization of norethindrone to ethynylestradiol in human adult liver. Yamamoto T, et al. **Endocrinol Jpn** 1986 Aug; 33(4):527–31
Hepatic iodothyronine 5–deiodinase activity in Rana catesbeiana tadpoles at different stages of the life cycle. Galton VA, et al. **Endocrinology** 1987 Jul;121(1):42–7
Effect of amiodarone on serum lipids, lipoprotein lipase, and hepatic triglyceride lipase. Kasim SE, et al. **Endocrinology** 1987 May;120(5):1991–5
Effect of androgen and estrogen treatment on hamster liver and kidney estrogen 2–/4–hydroxylase activity. Li SA, et al. **Endocrinology** 1986 Oct;119(4):1810–5
Regulation of rat liver glycogen phosphorylase concentration by in vivo relative levels of glucagon and insulin. Roesler WJ, et al. **Endocrinology** 1987 Jul;121(1):227–32
Insulin generates an enzyme modulator from hepatic plasma membranes: regulation of adenosine 3',5'–monophosphate phosphodiesterase, pyruvate dehydrogenase, and adenylate cyclase. Saltiel AR. **Endocrinology** 1987 Mar;120(3):967–72
Regulation of gene expression in rat hepatocytes and hepatoma cells by insulin: quantitation of messenger ribonucleic acid's coding for tyrosine aminotransferase, tryptophan oxygenase, and phosphoenolpyruvate carboxykinase. Schubart UK. **Endocrinology** 1986 Oct; 119(4):1741–9
Catalytic properties of human liver alcohol dehydrogenase isoenzymes. Bosron WF, et al. **Enzyme** 1987;37(1–2):19–28
On the molecular mechanism of liver alcohol dehydrogenase: Monte Carlo simulations and X–ray studies of water in the substrate channel. Tapia O, et al. **Enzyme** 1986; 36(1–2):101–14
Isolation and characterization of rat hepatic ascorbic acid–2–sulfatases. Thompson DB, et al. **Enzyme** 1987; 37(3):134–40
The influence of anions and inhibitors on the catalytic metal ion in Co(II)–substituted horse liver alcohol dehydrogenase. Bertini I, et al. **Eur Biophys J** 1987; 14(7):431–9
Cloning and expression of the rat liver cDNA for peroxisomal enoyl–CoA hydratase, 3–hydroxyacyl–CoA dehydrogenase in lambda GT11. Transcriptional regulation of enzyme activity by Wy–14643 in primary cultures of rat hepatocytes. Chatterjee B, et al. **Eur J Biochem** 1987 Jul 15;166(2):273–8
Rat liver nuclear protein kinases NI and NII. Purification, subunit composition, substrate specificity, possible levels of regulation. Delpech M, et al. **Eur J Biochem** 1986 Oct 15;160(2):333–41
Computer–graphics interpretations of residue exchanges between the alpha, beta and gamma subunits of human–liver alcohol dehydrogenase class I isozymes. Eklund H, et al. **Eur J Biochem** 1987 Sep 1;167(2):185–93
Carbohydrate–dependent induction of fatty acid synthase in primary cultures of rat hepatocytes. Giffhorn–Katz S, et al. **Eur J Biochem** 1986 Sep 15;159(3):513–8
Tissue–specific expression of porphobilinogen deaminase. Two isoenzymes from a single gene. Grandchamp B, et al. **Eur J Biochem** 1987 Jan 2;162(1):105–10
Limited proteolysis reveals low–affinity binding of N–acetyl–L–glutamate to rat–liver carbamoyl–phosphate synthetase (ammonia). Guadalajara A, et al. **Eur J Biochem** 1987 May 15;165(1):163–9
Stereoselective effects in the interactions of pterin cofactors with rat–liver phenylalanine 4–monooxygenase. Haavik J, et al. **Eur J Biochem** 1986 Oct 1;160(1):1–8
Purification and characterization of rat liver glutaminase. Heini HG, et al. **Eur J Biochem** 1987 Feb 2;162(3):541–6
The gamma 1 and gamma 2 subunits of human liver alcohol dehydrogenase. cDNA structures, two amino acid replacements, and compatibility with changes in the enzymatic properties. Höög JO, et al. **Eur J Biochem** 1986 Sep 1;159(2):215–8
Cooperative effect of thyroid and glucocorticoid hormones on the induction of hepatic phosphoenolpyruvate carboxykinase in vivo and in cultured hepatocytes. Höppner W, et al. **Eur J Biochem** 1986 Sep 1; 159(2):399–405
Hormonal regulation of carbamoyl–phosphate synthetase I synthesis in primary cultured hepatocytes and Reuber hepatoma H–35. Defective regulation in hepatoma cells. Kitagawa Y. **Eur J Biochem** 1987 Aug 17;167(1):19–25
Kinetics of coenzyme binding to liver alcohol dehydrogenase in the pH range 10–12. Kvassman J, et al. **Eur J Biochem** 1987 Jul 1;166(1):167–72
Activity and stability of horse–liver alcohol dehydrogenase in sodium dioctylsulfosuccinate/cyclohexane reverse micelles. Larsson KM, et al. **Eur J Biochem** 1987 Jul 1; 166(1):157–61
Characterization of an arginine–specific protein kinase tightly bound to rat liver DNA. Levy–Favatier F, et al. **Eur J Biochem** 1987 Aug 3;166(3):617–21
Identification of two isoenzymes of protein phosphatase 2C in both rabbit skeletal muscle and liver. McGowan CH, et al. **Eur J Biochem** 1987 Aug 3;166(3):713–21
Site specificity of casein kinase–2 (TS) from rat liver cytosol. A study with model peptide substrates. Marin O, et al. **Eur J Biochem** 1986 Oct 15;160(2):239–44
Quaternary structure of ornithine aminotransferase in solution and preliminary crystallographic data. Marković–Housley Z, et al. **Eur J Biochem** 1987 Jan 15;162(2):345–50
Mammalian DNA ligase. Structure and function in rat–liver tissues. Mezzina M, et al. **Eur J Biochem** 1987 Jan 15; 162(2):325–32
Regulation of hepatic glucokinase gene expression. Role of carbohydrates, and glucocorticoid and thyroid hormones. Minderop RH, et al. **Eur J Biochem** 1987 Apr 1; 164(1):181–7
Electrostatic effects of bound NADH and NAD+ on ionizing groups in liver alcohol dehydrogenase. Pettersson G, et al. **Eur J Biochem** 1987 May 15;165(1):157–61
Sulfite oxidase from chicken liver. The role of imidazole and carboxyl groups for the reaction with cytochrome c. Ritzmann M, et al. **Eur J Biochem** 1986 Sep 15;159(3):493–7
Dependence of the substrate specificity and kinetic mechanism of horse–liver alcohol dehydrogenase on the size of the C–3 pyridinium substituent. 3–Benzoylpyridine–adenine dinucleotide. Samama JP, et al. **Eur J Biochem** 1986 Sep 1;159(2):375–80
Enzymes and microemulsions. Activity and kinetic properties of liver alcohol dehydrogenase in ionic water–in–oil microemulsions. Samama JP, et al. **Eur J Biochem** 1987 Mar 16;163(3):609–17
Serine hydroxymethyltransferase. Effect of proteases on the activity and structure of the cytosolic enzyme. Schirch V, et al. **Eur J Biochem** 1986 Nov 17;161(1):45–9
Transcription activation of the tyrosine aminotransferase gene by glucocorticoids and cAMP in primary hepatocytes. Schmid E, et al. **Eur J Biochem** 1987 Jun 15;165(3):499–506
Biosynthesis of tetrahydrobiopterin. Purification and characterization of 6–pyruvoyl–tetrahydropterin synthase from human liver. Takikawa S, et al. **Eur J Biochem** 1986 Dec 1;161(2):295–302
Purification and properties of phosphofructokinase 2/fructose 2,6–bisphosphatase from chicken liver and from pigeon muscle. Van Schaftingen E, et al. **Eur J Biochem** 1986 Sep 1;159(2):359–65
Amino acid sequence of chicken liver cathepsin L. Wada K, et al. **Eur J Biochem** 1987 Aug 17;167(1):13–8
Diurnal variation in glycogen phosphorylase activity in rat liver. A quantitative histochemical study. Frederiks WM, et al. **Eur J Cell Biol** 1987 Jun;43(3):339–41
Involvement of cis and trans Golgi apparatus elements in the intracellular sorting and targeting of acid hydrolases to lysosomes. Minnifield N, et al. **Eur J Cell Biol** 1986 Oct;42(1):92–100
Localization of the salt–resistant heparin–releasable lipase in the rat liver, adrenal and ovary. Persoon NL, et al. **Eur J Cell Biol** 1986 Jun;41(1):134–7
Biogenesis of peroxisomes in regenerating rat liver. I. Sequential changes of catalase and urate oxidase detected by ultrastructural cytochemistry. Yamamoto K, et al. **Eur J Cell Biol** 1987 Jun;43(3):293–300
Properties of human hepatic UDP–glucuronosyltransferases. Relationship to other inducible enzymes in patients with cholestasis. Dragacci S, et al. **Eur J Clin Pharmacol** 1987; 32(5):485–91
Genetic variation in the human hepatic cytochrome P–450 system. Kalow W. **Eur J Clin Pharmacol** 1987;31(6):633–41 (69 ref.)
Inducing effect of feprazone on hepatic drug–metabolizing enzymes in man. Morita K, et al. **Eur J Clin Pharmacol** 1986;31(1):117–8
Temelastine, a novel histamine H1–receptor antagonist, does not induce oxidative hepatic enzyme activity in man. de Mey C, et al. **Eur J Drug Metab Pharmacokinet** 1987 Jan–Mar;12(1):65–9
Carbamyl phosphate synthetase I deficiency with no detectable mRNA activity. Suzuki Y, et al. **Eur J Pediatr** 1986 Oct;145(5):406–8
Beta B1 crystallin is an amine–donor substrate for tissue transglutaminase. Mulders JW, et al. **Exp Cell Res** 1987 Aug;171(2):296–305
Dual effect of exogenous progesterone on the activity of tyrosine aminotransferase in the liver of female rats. Németh S, et al. **Exp Clin Endocrinol** 1987 Apr; 89(2):197–200
Age–related changes in rat liver plasma membrane phospholipase A2 activity. Petkova DH, et al. **Exp Gerontol** 1986;21(3):187–93
Mechanisms by which acute phase proteins enhance development of liver fibrosis: effects on collagenase and prolyl–4–hydroxylase activity in the rat liver. van Gool J, et al. **Exp Mol Pathol** 1986 Oct;45(2):160–70
Fasciola hepatica: liver enzymes in rats and interaction with chemical inducers. Galtier P, et al. **Exp Parasitol** 1987 Apr; 63(2):189–94
Interaction of induction, ontogenetic development and liver regeneration on the monooxygenase level. Klinger W, et al. **Exp Pathol** 1987;31(2):117–24
Decrease of rat–liver–T4–5'–deiodinase activity during chronical isoprenaline beta–action in vivo. Porta S, et al. **Exp Pathol** 1987;31(3):179–83
Action of rat liver cathepsin B on bradykinin and on the oxidized insulin A–chain. Brömme D, et al. **FEBS Lett** 1987 Jul 27;219(2):441–4

Irreversible inactivation of calcium-dependent proteinases from rat liver by biological disulfides. Di Cola D, et al. **FEBS Lett** 1987 Jan 1;210(1):81–4

Tetrameric alkaline phosphatase from human liver is converted to dimers by phosphatidylinositol phospholipase C. Hawrylak K, et al. **FEBS Lett** 1987 Feb 23;212(2):289–91

Phosphorylation of type-L pyruvate kinase in intact hepatocytes. Localisation of the phosphorylation site in response to both glucagon and the Ca2+-linked agonist phenylephrine. Hsu YC, et al. **FEBS Lett** 1987 Jun 22; 218(1):1–6

The phorbol ester TPA inhibits cyclic AMP phosphodiesterase activity in intact hepatocytes. Irvine F, et al. **FEBS Lett** 1986 Nov 24;208(2):455–9

Beta-oxidation of polyunsaturated fatty acids in peroxisomes. Subcellular distribution of delta 3,delta 2-enoyl-CoA isomerase activity in rat liver. Kärki T, et al. **FEBS Lett** 1987 May 11;215(2):228–32

Participation of adenosine 5'-triphosphate in the activation of membrane-bound guanylate cyclase by the atrial natriuretic factor. Kurose H, et al. **FEBS Lett** 1987 Jul 27;219(2):375–9

Fractionation, biochemical characterization and lysosomal phospholipases of human liver. Löffler BM, et al. **FEBS Lett** 1987 May 25;216(1):51–6

Identification by molecular cloning of two forms of the alpha-subunit of the human liver stimulatory (GS) regulatory component of adenylyl cyclase. Mattera R, et al. **FEBS Lett** 1986 Sep 29;206(1):36–42

Evidence for sialidase hydrolyzing gangliosides GM2 and GM1 in rat liver plasma membrane. Miyagi T, et al. **FEBS Lett** 1986 Oct 6;206(2):223–8

Purification of valyl-tRNA synthetase high-molecular-mass complex from rabbit liver. Motorin YuA, et al. **FEBS Lett** 1987 Aug 17;220(2):363–5

Identification of three protein kinases which phosphorylate threonyl-tRNA synthetase from rat liver. Pendergast AM, et al. **FEBS Lett** 1986 Oct 6;206(2):335–8

Spermine antagonises the effects of dexamethasone, glucagon and cyclic AMP in increasing the activity of phosphatidate phosphohydrolase in isolated rat hepatocytes. Pittner RA, et al. **FEBS Lett** 1986 Oct 20;207(1):42–6

Purification of a 32.5 kDa monomeric sulfotransferase from rat liver with activity for bile acids and phenolic steroids. Takikawa H, et al. **FEBS Lett** 1986 Oct 27;207(2):193–7

N-terminal amino acid sequences of the heavy and light chains of chicken liver cathepsin L. Wada K, et al. **FEBS Lett** 1986 Dec 15;209(2):330–4

Turnover of rat liver ornithine transcarbamylase. Wallace R, et al. **FEBS Lett** 1986 Nov 24;208(2):427–30

The effect of feeding aflatoxin-contaminated groundnut meal, with or without ammoniation, on the development of gamma-glutamyl transferase positive lesions in the livers of Fischer 344 rats. Manson MM, et al. **Food Addit Contam** 1987 Apr-Jun;4(2):141–7

Differential induction of mixed-function oxidase (MFO) activity in rat liver and intestine by diets containing processed cabbage: correlation with cabbage levels of glucosinolates and glucosinolate hydrolysis products. McDanell R, et al. **Food Chem Toxicol** 1987 May; 25(5):363–8

Dietary influences on rat hepatic and intestinal DT-diaphorase activity. Salbe AD, et al. **Food Chem Toxicol** 1986 Aug;24(8):851–6

Catalytic and immunochemical properties of purified human liver lipoamide dehydrogenase. Ono K, et al. **Fukushima J Med Sci** 1986 Jun;32(1):57–66

In vivo interactions of aluminum with hepatic cytochrome P-450 and metallothionein. Jeffery EH, et al. **Fundam Appl Toxicol** 1987 May;8(4):541–8

Induction of epidermal and hepatic ornithine decarboxylase by a Prudhoe Bay crude oil. Rahimtula AD, et al. **Fundam Appl Toxicol** 1987 Apr;8(3):408–14

Partial defect in hepatic glutathione S-transferase activity in a case of Rotor's syndrome. Adachi Y, et al. **Gastroenterol Jpn** 1987 Feb;22(1):34–8

Increased production, hepatic conjugation, and biliary secretion of bilirubin in the rat after chronic ethanol consumption. Sieg A, et al. **Gastroenterology** 1987 Aug; 93(2):261–6

Thyroid hormone-induced changes in different ion-specific adenosine triphosphatase activities in liver of Singi fish Heteropneustes fossilis (Bloch). De S, et al. **Gegenbaurs Morphol Jahrb** 1986;132(6):959–67

Mechanisms involved in catecholamine effect on glycogenolysis in catfish isolated hepatocytes. Brighenti L, et al. **Gen Comp Endocrinol** 1987 Jun;66(3):306–13

Comparison of type I 5'-deiodination of thyroxine and of reverse-triiodothyronine in rat and chicken liver homogenates. Rudas P. **Gen Comp Endocrinol** 1986 Sep; 63(3):400–7

Thyroxine 5'-monodeiodinase activity in hepatocytes of rainbow trout, Salmo gairdneri: distribution, effects of starvation, and exogenous inhibitors. Shields CA, et al. **Gen Comp Endocrinol** 1986 Sep;63(3):334–43

Complete amino acid sequence of rat liver alcohol dehydrogenase deduced from the cDNA sequence. Crabb DW, et al. **Gene** 1986;48(2-3):287–91

Genetic analysis of liver neuraminidase isozymes in Rattus norvegicus: independent control of NEU-1 and NEU-2 phenotypes. Samollow PB, et al. **Genetics** 1986 Sep; 114(1):247–58

Liver ornithine decarboxylase activity in suckling pigs after short term maternal deprivation. Pond WG, et al. **Growth** 1986 Winter;50(4):437–46

Studies of the vitamin K-dependent carboxylase and vitamin K epoxide reductase in rat liver. Suttie JW, et al. **Haemostasis** 1986;16(3-4):193–215 (62 ref.)

Comparison between hepatic and nonhepatic vitamin K-dependent carboxylase. Vermeer C. **Haemostasis** 1986; 16(3-4):239–45

Characterization of ciprofibrate and clofibric acid as peroxisomal proliferators in primary cultures of rat hepatocytes. Feller DR, et al. **Hepatology** 1987 May-Jun; 7(3):508–16

Effect of growth hormone on alcohol dehydrogenase activity in hepatocyte culture. Mezey E, et al. **Hepatology** 1986 Nov-Dec;6(6):1386–90

The combined effects of protein deficiency and chronic ethanol administration on rat ethanol metabolism. Wilson JS, et al. **Hepatology** 1986 Sep-Oct;6(5):823–9

New forms of hereditary tyrosinemia type II in mink: hepatic tyrosine aminotransferase defect. Christensen K, et al. **Hereditas** 1986;104(2):215–22

Intracellular localization of alkaline phosphatase in freshly isolated foetal rat hepatocytes. Asada-Kubota M, et al. **Histochem J** 1986 Sep;18(9):500–6

Quantitative histochemical assessment of the heterogeneity of glycogen phosphorylase activity in liver parenchyma of fasted rats using the semipermeable membrane technique and the PAS reaction. Frederiks WM, et al. **Histochem J** 1987 Mar;19(3):150–6

Immunoelectron microscopic localization of D-amino acid oxidase in rat kidney and liver. Perotti ME, et al. **Histochem J** 1987 Mar;19(3):157–69

A quantitative histochemical study of NADPH-ferrihemoprotein reductase activity. Van Noorden CJ, et al. **Histochem J** 1986 Jul;18(7):364–70

Electron microscopic cytochemical localization of alpha-hydroxyacid oxidase in rat liver. Association with the crystalline core and matrix of peroxisomes. Angermüller S, et al. **Histochemistry** 1986;85(5):403–9

Image analysis of the histochemical demonstration of glucose-6-phosphatase activity in rat liver. Hildebrand R, et al. **Histochemistry** 1986;86(2):181–90

The effects of starving and refeeding on the intra-acinar distribution pattern of alcohol-dehydrogenase activity in rat liver. Maly IP, et al. **Histochemistry** 1987;86(3):275–9

The behavior of hepatic phosphorylase b kinase, phosphorylase a and b after administration of glucagon to patients with glycogen storage disease type VIa. Pieniążek D, et al. **Horm Metab Res** 1986 Aug;18(8):546–50

Hepatic lipase and the clearing reaction: studies in euthyroid and hypothyroid subjects. Valdemarsson S, et al. **Horm Metab Res** 1987 Jan;19(1):28–30

Regional assignment of human liver-type 6-phosphofructokinase to chromosome 21q22.3 by using somatic cell hybrids and a monoclonal anti-L antibody. Van Keuren M, et al. **Hum Genet** 1986 Sep;74(1):34–40

Rat-liver porphyrinogen carboxy-lyase inhibition as a function of the degree of hexachlorobenzene-induced porphyria. Billi SC, et al. **IARC Sci Publ** 1986;(77):487–91

Structure-activity relationships of chlorinated benzenes as inducers of hepatic cytochrome P-450 isozymes in the rat. Goldstein JA, et al. **IARC Sci Publ** 1986;(77):519–26

Hexachlorobenzene and substituted pentachlorobenzenes (X-C6Cl5) as inducers of hepatic cytochrome P-450-dependent mono-oxygenases. Li SM, et al. **IARC Sci Publ** 1986;(77):527–34

Does feeding of hexachlorobenzene promote structural changes in rat-liver porphyrinogen carboxy-lyase? Ríos de Molina M del C, et al. **IARC Sci Publ** 1986;(77):481–6

Effect of sodium butyrate on primary cultures of adult rat hepatocytes. Engelmann GL, et al. **In Vitro Cell Dev Biol** 1987 Feb;23(2):86–92

Secretion of acetylcholinesterase by a mouse hepatocyte X rat liver cell hybrid culture. Schuman RF, et al. **In Vitro Cell Dev Biol** 1986 Nov;22(11):670–6

Induction of choline-ethanolamine kinase in chicken liver by 17-beta-estradiol. Kulkarni GR, et al. **Indian J Biochem Biophys** 1986 Oct;23(5):254–7

Purification of choline-ethanolamine kinase from chicken liver and its regulation by cAMP. Kulkarni GR, et al. **Indian J Biochem Biophys** 1986 Apr;23(2):90–5

Inhibition of mevalonate kinase by disulphide compounds. Lalitha R, et al. **Indian J Biochem Biophys** 1986 Aug; 23(4):204–7

Effect of sterigmatocystin, a carcinogenic mycotoxin, on urea cycle enzymes and related metabolites in rat liver. Meerarani S, et al. **Indian J Biochem Biophys** 1987 Feb; 24(1):51–3

Hepatic superoxide dismutase-catalase system and lipid peroxidation during turpentine-induced acute inflammation in rats [published erratum appears in Indian J Biochem Biophys 1986 Dec;23(6):preceding 303] Nadkarni GD, et al. **Indian J Biochem Biophys** 1986 Aug;23(4):238–9

Hydroxyurea inhibits thymidine kinase activity in regenerating rat liver. Prabhakar V, et al. **Indian J Biochem Biophys** 1987 Feb;24(1):29–33

L-ornithine and L-lysine need their alpha-carboxyl groups for effective inhibition of bovine liver arginase. Subrahmanyam TS, et al. **Indian J Biochem Biophys** 1986 Dec;23(6):359–61

Effect of cigarette smoke inhalation on certain pulmonary & hepatic drug metabolizing enzymes in vitamin A deficient rats. Gupta MP, et al. **Indian J Med Res** 1986 Sep;84:301–9

Effect of metronidazole on the hepatic mixed function oxygenases (cytochromes b5 and P-450) in Swiss mice. Chacko M, et al. **Indian J Physiol Pharmacol** 1985 Oct-Dec;29(4):250–4

Effect of clofibrate treatment on glutathione content and the activity of the enzymes related to peroxide metabolism in rat liver and heart. Antonenkov VD, et al. **Int J Biochem** 1987;19(2):187–92

Purification and characterization of two phosphorylase phosphatases from rabbit liver. Benedicto P, et al. **Int J Biochem** 1987;19(4):345–54

Selenium and polyamine metabolism: different effect of selenite on liver and bursa of Fabricius ornithine decarboxylase activity. Colombatto S, et al. **Int J Biochem** 1987;19(8):725–8

Effects of gamma-linolenic acid supplementation on lipogenesis regulation in pregnant zinc-deficient rat and fetus. Dib A, et al. **Int J Biochem** 1986;18(11):1053–6

Liver specific pyruvate kinase in pheasants Phasianus colchicus. Guderley H, et al. **Int J Biochem** 1987; 19(6):561–4

Purification and characterization of camel liver glutathione S-transferase. Hunaiti AA, et al. **Int J Biochem** 1987; 19(1):71–7

Subcellular localization of high- and low-molecular weight acid phosphatases from chicken liver. Panara F, et al. **Int J Biochem** 1986;18(11):1057–9

Liver porphyrinogen carboxylase in hexachlorobenzene porphyric rats. Studies with intermediate porphyrinogens of series III and with uroporphyrinogen I. Ríos de Molina MC, et al. **Int J Biochem** 1987;19(4):365–72

A characterization of gamma-glutamyltranspeptidase in normal, perinatal, premalignant and malignant rat liver. Sulakhe SJ, et al. **Int J Biochem** 1987;19(1):23–32

gamma-Glutamyltranspeptidase in dimethylbenz[a]anthracene-induced mammary adenocarcinomas and in livers of tumor bearing rats. Sulakhe SJ. **Int J Biochem** 1987;19(6):509–15

Hydrophobic properties of alkaline phosphatases. Wulkan RW, et al. **Int J Biochem** 1986;18(11):1045–51

Changes in mixed-function oxidase system in the perfused liver of the cold-acclimated rat. Takano T, et al. **Int J Biometeorol** 1986 Sep;30(3):239–47

Note on the enzyme assay for urinary D-glucaric acid and correlation with rifampicin-induced mixed function oxidase activity. Perry W, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Nov;24(11):609–13

Baboon alcohol dehydrogenase isozymes: phenotypic changes in liver following chronic consumption of alcohol. Holmes RS, et al. **Isozymes Curr Top Biol Med Res** 1987; 16:1–20

Some basic properties of sheep liver cAMP-dependent protein kinase. Javed MH, et al. **Ital J Biochem** 1986 Jul-Aug;35(4):221–31

The influence of dose of phenobarbital and interval to measurement on concentration of liver enzymes in barrows and gilts. Thomford PJ, et al. **J Anim Sci** 1986 Oct; 63(4):1184–90

Enzymes of glucose and fatty acid metabolism of liver, kidney, skeletal muscle, adipose tissue and mammary gland of lactating and non-lactating sheep. Vernon RG, et al. **J Anim Sci** 1987 May;64(5):1395–411

Interlobular distribution of hepatic xenobiotic-metabolizing enzyme activities in cattle, goats and sheep. Wisniewski JA, et al. **J Anim Sci** 1987 Jan;64(1):210–5

Purification of L-dopa decarboxylase from rat liver and production of polyclonal and monoclonal antibodies against it. Ando-Yamamoto M, et al. **J Biochem (Tokyo)** 1987 Feb; 101(2):405–14

Purification and some properties of buffalo liver cathepsin B. Fazili KM, et al. **J Biochem (Tokyo)** 1986 Aug; 100(2):293–9

Multiplicity of bovine liver GM1 ganglioside beta-galactosidase. Hiraiwa M, et al. **J Biochem (Tokyo)** 1986 Jul;100(1):255–8

Molecular cloning and sequence analysis of full-length cDNA for rabbit liver NADPH-cytochrome P-450 reductase mRNA. Katagiri M, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):945–54

Affinity purification and characterization of serine hydroxymethyltransferases from rat liver. Masuda T, et al. **J Biochem (Tokyo)** 1987 Mar;101(3):643–52

Induction of alkaline phosphatase and its transport to cell surface in primary culture of rat hepatocytes: effect of the antimicrotubular agent colchicine. Misumi Y, et al. **J Biochem (Tokyo)** 1986 Aug;100(2):433–8

Purification and characterization of alpha-N-acetylgalactosaminidase from skipjack liver. Nakagawa H, et al. **J Biochem (Tokyo)** 1987 Apr; 101(4):855–62

Subcellular distribution of OM cytochrome b-mediated NADH-semidehydroascorbate reductase activity in rat liver. Nishino H, et al. **J Biochem (Tokyo)** 1986 Dec; 100(6):1523–31

Purification, resolution, and reconstitution of rat liver branched-chain alpha-keto acid dehydrogenase complex. Ono K, et al. **J Biochem (Tokyo)** 1987 Jan;101(1):19–27

Purification and characterization of cytosol-specific phosphoenolpyruvate carboxykinase from chicken liver. Sato A, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):671–8

Isozymes of S-adenosylmethionine synthetase from rat liver: isolation and characterization. Suma Y, et al. **J Biochem (Tokyo)** 1986 Jul;100(1):67–75

The regulation by growth hormone of microsomal testosterone 6 beta-hydroxylase in male rat livers. Yamazoe Y, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):1095–7

Identification of a guanosine triphosphate-binding site on guinea pig liver transglutaminase. Role of GTP and calcium ions in modulating activity. Achyuthan KE, et al. **J Biol Chem** 1987 Feb 5;262(4):1901–6

Rat liver NAD(P)H: quinone reductase nucleotide sequence analysis of a quinone reductase cDNA clone and prediction of the amino acid sequence of the corresponding protein. Bayney RM, et al. **J Biol Chem** 1987 Jan 15;262(2):572–5

Skeletal muscle phosphorylase kinase catalytic subunit mRNAs are expressed in heart tissue but not in liver. Bender PK, et al. **J Biol Chem** 1987 Jun 25; 262(18):8799–805

Control of glycoprotein synthesis. Kinetic mechanism, substrate specificity, and inhibition characteristics of UDP-N-acetylglucosamine:alpha-D-mannoside beta 1-2 N-acetylglucosaminyltransferase II from rat liver. Bendiak B, et al. **J Biol Chem** 1987 Apr 25;262(12):5784–90

Control of glycoprotein synthesis. Purification of UDP-N-acetylglucosamine:alpha-D-mannoside beta 1-2 N-acetylglucosaminyltransferase II from rat liver. Bendiak B, et al. **J Biol Chem** 1987 Apr 25;262(12):5775–83

The enzyme defect in bovine protoporphyria. Studies with purified ferrochelatase. Bloomer JR, et al. **J Biol Chem** 1987 Jan 15;262(2):667–71

Effects of lithium ions on glycogen synthase and phosphorylase in rat hepatocytes. Bosch F, et al. **J Biol Chem** 1986 Dec 25;261(36):16927–31

Glycogenolytic, noninsulin-like effects of vanadate on rat hepatocyte glycogen synthase and phosphorylase. Bosch F, et al. **J Biol Chem** 1987 Jan 5;262(1):218–22

Identification of a substrate site for liver transglutaminase on the aminopropeptide of type III collagen. Bowness JM, et al. **J Biol Chem** 1987 Jan 25;262(3):1022–4

Interdomain motion in liver alcohol dehydrogenase. Structural and energetic analysis of the hinge bending mode. Colonna-Cesari F, et al. **J Biol Chem** 1986 Nov 15;261(32):15273–80

An RNA polymerase II transcription system from rat liver. Purification of an essential component. Conaway JW, et al. **J Biol Chem** 1987 Jun 15;262(17):8293–7

Evidence for the activation of the multifunctional Ca2+/calmodulin-dependent protein kinase in response to hormones that increase intracellular Ca2+. Connelly PA, et al. **J Biol Chem** 1987 Jul 25;262(21):10154–63

A study of the mechanism of glucagon-induced protein phosphorylation in isolated rat hepatocytes using (Sp)-cAMPS and (Rp)-cAMPS, the stimulatory and inhibitory diastereomers of adenosine cyclic 3',5'-phosphorothioate. Connelly PA, et al. **J Biol Chem** 1987 Mar 25;262(9):4324–32

Peroxisomal dihydroxyacetone phosphate acyltransferase. Effect of acetaldehyde on the intact and solubilized activity. Dobrowsky RT, et al. **J Biol Chem** 1987 Mar 5; 262(7):3136–9

CTP:phosphorylcholine cytidylyltransferase from rat liver. Isolation and characterization of the catalytic subunit. Feldman DA, et al. **J Biol Chem** 1987 Jul 5;262(19):9075–81

Purification and properties of short chain acyl-CoA, medium chain acyl-CoA, and isovaleryl-CoA dehydrogenases from human liver. Finocchiaro G, et al. **J Biol Chem** 1987 Jun 15;262(17):7982–9

Identification and reactivity of the catalytic site of pig liver thioltransferase. Gan ZR, et al. **J Biol Chem** 1987 May 15;262(14):6704–7

The primary structure of pig liver thioltransferase. Gan ZR, et al. **J Biol Chem** 1987 May 15;262(14):6699–703

S-adenosylhomocysteinase from rat liver. Amino acid sequences of the peptides containing active site cysteine residues modified by treatment with 5'-p-fluorosulfonylbenzoyladenosine. Gomi T, et al. **J Biol Chem** 1986 Oct 15;261(29):13422–5

Structural analysis of cDNA for rat peroxisomal 3-ketoacyl-CoA thiolase. Hijikata M, et al. **J Biol Chem** 1987 Jun 15;262(17):8151–8

Ethanol-induced mobilization of calcium by activation of phosphoinositide-specific phospholipase C in intact hepatocytes. Hoek JB, et al. **J Biol Chem** 1987 Jan 15; 262(2):682–91

Molecular cloning of glucokinase cDNA. Developmental and dietary regulation of glucokinase mRNA in rat liver. Iynedjian PB, et al. **J Biol Chem** 1987 May 5;262(13):6032–8

Phosphorylation state of acetyl-coenzyme A carboxylase. II. Variation with nutritional condition. Jamil H, et al. **J Biol Chem** 1987 Jan 15;262(2):638–42

Phosphorylation state of acetyl-coenzyme A carboxylase. I. Linear inverse relationship to activity ratios at different citrate concentrations. Jamil H, et al. **J Biol Chem** 1987 Jan 15;262(2):630–7

Hydride transfer stereospecificity of rat liver aldehyde dehydrogenases. Jones KH, et al. **J Biol Chem** 1987 Aug 15;262(23):10911–3

Complete nucleotide sequence of cDNA and deduced amino acid sequence of rat liver arginase. Kawamoto S, et al. **J Biol Chem** 1987 May 5;262(13):6280–3

The function of catalase-bound NADPH. Kirkman HN, et al. **J Biol Chem** 1987 Jan 15;262(2):660–6

Acyl-peptide hydrolase from rat liver. Characterization of enzyme reaction. Kobayashi K, et al. **J Biol Chem** 1987 Aug 25;262(24):11435–45

Biochemical characterization of recombinant human phenylalanine hydroxylase produced in Escherichia coli. Ledley FD, et al. **J Biol Chem** 1987 Feb 15;262(5):2228–33

Cholera toxin blocks glucagon-mediated inhibition of the liver plasma membrane (Ca2+-Mg2+)-ATPase. Lotersztajn S, et al. **J Biol Chem** 1987 Mar 5;262(7):3114–7

Golgi endo-alpha-D-mannosidase from rat liver, a novel N-linked carbohydrate unit processing enzyme. Lubas WA, et al. **J Biol Chem** 1987 Mar 15;262(8):3775–81

The hormone-sensitive hepatic Na+-pump. Evidence for regulation by diacylglycerol and tumor promoters. Lynch CJ, et al. **J Biol Chem** 1986 Nov 5;261(31):14551–6

Rat liver UDP-glucuronosyltransferase. Identification of cDNAs encoding two enzymes which glucuronidate testosterone, dihydrotestosterone, and beta-estradiol. Mackenzie PI. **J Biol Chem** 1987 Jul 15;262(20):9744–9

Rat liver UDP-glucuronosyltransferase. cDNA sequence and expression of a form glucuronidating 3-hydroxyandrogens. Mackenzie PI. **J Biol Chem** 1986 Oct 25;261(30):14112–7

Rat liver 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase. Identification of essential sulfhydryl residues in the primary sequence of the enzyme. el-Maghrabi MR, et al. **J Biol Chem** 1987 Aug 25;262(24):11714–20

The primary structure of rabbit liver cytosolic serine hydroxymethyltransferase. Martini F, et al. **J Biol Chem** 1987 Apr 25;262(12):5499–509

Molecular cloning and nucleotide sequence of cDNA encoding the entire precursor of rat liver medium chain acyl coenzyme A dehydrogenase. Matsubara Y, et al. **J Biol Chem** 1987 Jul 25;262(21):10104–8

The role of nicotinamide adenine dinucleotide in the inhibition of bovine liver S-adenosylhomocysteine hydrolase by neplanocin A. Matuszewska B, et al. **J Biol Chem** 1987 Jan 5;262(1):265–8

Regulation of rat liver 3-hydroxy-3-methylglutaryl coenzyme A synthase and the chromosomal localization of the human gene. Mehrabian M, et al. **J Biol Chem** 1986 Dec 5;261(34):16249–55

Regulation of glycogen metabolism in primary cultures of rat hepatocytes. Restoration of acute effects of glucose in cells from diabetic rats involves protein synthesis. Miller TB Jr, et al. **J Biol Chem** 1987 Mar 25;262(9):4000–6

Complete nucleotide sequence of cDNA and predicted amino acid sequence of rat acyl-CoA oxidase. Miyazawa S, et al. **J Biol Chem** 1987 Jun 15;262(17):8131–7

Multihormonal regulation of transcription of the tryptophan 2,3-dioxygenase gene in primary cultures of adult rat hepatocytes with special reference to the presence of a transcriptional protein mediating the action of glucocorticoids. Nakamura T, et al. **J Biol Chem** 1987 Jan 15;262(2):727–33

Pretranslational regulation of sex-dependent testosterone hydroxylases by growth hormone in mouse liver. Noshiro M, et al. **J Biol Chem** 1986 Dec 5;261(34):15923–7

Cloning and sequence analysis of mRNA for mouse aspartate aminotransferase isoenzymes [published erratum appears in J Biol Chem 1987 Apr 15;262(11):5431] Obaru K, et al. **J Biol Chem** 1986 Dec 25;261(36):16976–83

Complete purification and general characterization of FAD synthetase from rat liver. Oka M, et al. **J Biol Chem** 1987 May 25;262(15):7418–22

Isolation and structural characterization of the rat acyl-CoA oxidase gene. Osumi T, et al. **J Biol Chem** 1987 Jun 15; 262(17):8138–43

Substrate specificity of bovine liver formaldehyde dehydrogenase. Pourmotabbed T, et al. **J Biol Chem** 1986 Oct 25;261(30):14240–4

Photoaffinity labeling of rat liver carbamoyl phosphate synthetase I by 8-azido-ATP. Powers-Lee SG, et al. **J Biol Chem** 1987 Jul 5;262(19):9052–6

Domain structure of rat liver carbamoyl phosphate synthetase I. Powers-Lee SG, et al. **J Biol Chem** 1986 Nov 25; 261(33):15349–52

gamma-Butyrobetaine hydroxylase and the protective role of glutathione peroxidase. Punekar NS, et al. **J Biol Chem** 1987 May 15;262(14):6720–4

Phosphoenolpyruvate carboxykinase ferroactivator 1. Mechanism of action and identity with glutathione peroxidase. Punekar NS, et al. **J Biol Chem** 1987 May 15; 262(14):6714–9

(2')3',5'-Bisphosphate nucleotidase. Ramaswamy SG, et al. **J Biol Chem** 1987 Jul 25;262(21):10044–7

Amine N-sulfotransferase. Ramaswamy SG, et al. **J Biol Chem** 1987 Jul 25;262(21):10039–43

Aminoacetone oxidase from goat liver. Formation of methylglyoxal from aminoacetone. Ray M, et al. **J Biol Chem** 1987 May 5;262(13):5974–7

Subcellular localization of the enzymes of cholesterol biosynthesis and metabolism in rat liver. Reinhart MP, et al. **J Biol Chem** 1987 Jul 15;262(20):9649–55

Concentration and partitioning of intermediates in the fructose bisphosphate aldolase reaction. Comparison of the muscle and liver enzymes. Rose IA, et al. **J Biol Chem** 1987 Jan 15;262(2):692–701

Glutamine synthetase isozymes in elasmobranch brain and liver tissues. Smith DD Jr, et al. **J Biol Chem** 1987 Jan 5;262(1):198–202

Small-angle neutron-scattering and electron microscope studies of the chicken liver fatty acid synthase. Stoops JK, et al. **J Biol Chem** 1987 Jul 25;262(21):10246–51

Regulation of liver metabolism by enzyme phosphorylation during mammalian hibernation. Storey KB. **J Biol Chem** 1987 Feb 5;262(4):1670–3

Serine incorporation into the selenocysteine moiety of glutathione peroxidase. Sunde RA, et al. **J Biol Chem** 1987 Jan 15;262(2):933–7

A high molecular weight protease in the cytosol of rat liver. I. Purification, enzymological properties, and tissue distribution. Tanaka K, et al. **J Biol Chem** 1986 Nov 15; 261(32):15197–203

A high molecular weight protease in the cytosol of rat liver. II. Properties of the purified enzyme. Tanaka K, et al. **J Biol Chem** 1986 Nov 15;261(32):15204–7

Construction and sequence of cDNA for rat liver stearyl coenzyme A desaturase. Thiede MA, et al. **J Biol Chem** 1986 Oct 5;261(28):13230–5

Nuclear matrix-bound DNA primase. Elucidation of an RNA priming system in nuclear matrix isolated from regenerating rat liver. Tubo RA, et al. **J Biol Chem** 1987 May 15; 262(14):6637–42

Identification of 100 and 150 S DNA polymerase alpha-primase megacomplexes solubilized from the nuclear matrix of regenerating rat liver [published erratum appears in J Biol Chem 1987 Jul 15;262(20):9921] Tubo RA, et al. **J Biol Chem** 1987 Apr 25;262(12):5857–65

Localization of a liver transglutaminase and a large molecular weight transglutaminase substrate to a distinct plasma membrane domain. Tyrrell DJ, et al. **J Biol Chem** 1986 Nov 5;261(31):14833–6

A basic NH2-terminal extension of rat liver arginyl-tRNA synthetase required for its association with high molecular weight complexes. Vellekamp G, et al. **J Biol Chem** 1987 Jul 25;262(21):9927–30

Effects of temperature on allosteric and catalytic properties of the cGMP-stimulated cyclic nucleotide phosphodiesterase from calf liver. Wada H, et al. **J Biol Chem** 1987 Apr 15;262(11):5139–44

Thiol/disulfide redox equilibrium and kinetic behavior of chicken liver fatty acid synthase. Walters DW, et al. **J Biol Chem** 1986 Oct 5;261(28):13135–43

Liver isozyme of rabbit glycogen synthase. Amino acid sequences surrounding phosphorylation sites recognized by cyclic AMP-dependent protein kinase. Wang YH, et al. **J Biol Chem** 1986 Dec 25;261(36):16909–15

Multiple forms of rat liver cysteinesulfinate decarboxylase. Weinstein CL, et al. **J Biol Chem** 1987 May 25; 262(15):7254–63

Hormonal regulation of lipogenic enzymes in chick embryo hepatocytes in culture. Expression of the fatty acid synthase gene is regulated at both translational and pretranslational steps. Wilson SB, et al. **J Biol Chem** 1986 Nov 15; 261(32):15179–82

Hepatic cyclic GMP formation is regulated by similar factors that modulate activation of purified hepatic soluble guanylate cyclase. Wood KS, et al. **J Biol Chem** 1987 Apr 15;262(11):5020–7

Suppression of levels of phenobarbital-inducible rat liver cytochrome P-450 by pituitary hormone. Yamazoe Y, et al. **J Biol Chem** 1987 May 25;262(15):7423–8

Characterization of an autophosphorylation-dependent multifunctional protein kinase from liver. Yang SD, et al. **J Biol Chem** 1987 Jul 5;262(19):9421–7

Channeling of 3-hydroxy-4-trans-decenoyl coenzyme A on the bifunctional beta-oxidation enzyme from rat liver peroxisomes and on the large subunit of the fatty acid oxidation complex from Escherichia coli. Yang SY, et al. **J Biol Chem** 1986 Nov 25;261(33):15390–5

Fluorescence studies of chicken liver fatty acid synthase. Segmental flexibility and distance measurements. Yuan ZY, et al. **J Biol Chem** 1986 Oct 15;261(29):13643–51

Localization of Na+,K+-ATPase alpha-subunit to the sinusoidal and lateral but not canalicular membranes of rat hepatocytes. Sztul ES, et al. **J Cell Biol** 1987 May; 104(5):1239–48

Serum-activated T51B rat liver cells transiently accumulate cyclic AMP-dependent protein kinases on their surfaces during the G1 phase. Kleine LP, et al. **J Cell Physiol** 1987 Aug;132(2):354–8

Separation and heat stability of the corticosteroid-induced and hepatic alkaline phosphatase isoenzymes in canine plasma. Teske E, et al. **J Chromatogr** 1986 Nov 21; 369(2):349–56

Effects of neuroleptic phenothiazines on the activities of aminotransferases and gamma-glutamyltransferase in serum and liver. Cepelak I, et al. **J Clin Chem Clin Biochem** 1986 Aug;24(8):583–7

Significance of hepatic triglyceride lipase activity in the regulation of serum high density lipoproteins in type II diabetes mellitus. Kasim SE, et al. **J Clin Endocrinol Metab** 1987 Jul;65(1):183–7

Conversion of xanthine dehydrogenase to oxidase in ischemic rat tissues. Engerson TD, et al. **J Clin Invest** 1987 Jun; 79(6):1564–70

Ketoconazole blocks bile acid synthesis in hepatocyte monolayer cultures and in vivo in rat by inhibiting cholesterol 7 alpha-hydroxylase. Princen HM, et al. **J Clin Invest** 1986 Oct;78(4):1064–71

Cyclical oxidation-reduction of the C3 position on bile acids catalyzed by rat hepatic 3 alpha-hydroxysteroid dehydrogenase. I. Studies with the purified enzyme,

isolated rat hepatocytes, and inhibition by indomethacin. Takikawa H, et al. **J Clin Invest** 1987 Sep;80(3):852–60

Polyamine stimulation of protein phosphatase–2A from rat liver using a non–protein phosphoester substrate. Cornwell T, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1986; 11(5):373–82

Enzyme changes in the brain, liver and kidney following repeated administration of mercuric chloride. Mehra M, et al. **J Environ Pathol Toxicol Oncol** 1986 Sep–Dec; 7(1–2):65–71

Quantitative histochemical study of acid phosphatase activity in rat liver using a semipermeable membrane technique. Frederiks WM, et al. **J Histochem Cytochem** 1987 Feb; 35(2):175–80

Heterogeneous distribution of glutamine synthetase during rat liver development. Gaasbeek Janzen JW, et al. **J Histochem Cytochem** 1987 Jan;35(1):49–54

Detection of mRNAs present at low concentrations in rat liver by in situ hybridization: application to the study of metabolic regulation and azo dye hepatocarcinogenesis. Lamas E, et al. **J Histochem Cytochem** 1987 May; 35(5):559–63

Detection of terminal N–linked N–acetylglucosamine residues in the Golgi apparatus using galactosyltransferase and endoglucosaminidase F/peptide N–glycosidase F: adaptation of a biochemical approach to electron microscopy. Lucocq JM, et al. **J Histochem Cytochem** 1987 Jan;35(1):67–74

gamma–Glutamyl transpeptidase in rat liver during 3'–Me–DAB hepatocarcinogenesis: immunohistochemical and enzyme histochemical study. Suzuki Y, et al. **J Histochem Cytochem** 1987 Jan;35(1):3–7

Liver–specific glucose–6–phosphatase is not present in human placenta. Chen YT, et al. **J Inherited Metab Dis** 1985; 8(2):92–4

Liver enzyme activities in hyperphenylalaninaemia due to a defective synthesis of tetrahydrobiopterin. Dhondt JL, et al. **J Inherited Metab Dis** 1985;8(2):47–8

Biochemical observations on a case of hepatic fructose–1,6–diphosphatase deficiency. Hommes FA, et al. **J Inherited Metab Dis** 1985;8(4):169–73

Molecular cloning of cDNAs for argininosuccinate lyase and arginase of rat liver. Kawamoto S, et al. **J Inherited Metab Dis** 1986;9(3):309–12

Anti–Xa activity of human hepatic triglyceride lipase. Gray E, et al. **J Lab Clin Med** 1987 Jun;109(6):653–9

Effect of dietary n–3 fatty acids on HMG–CoA reductase and ACAT activities in liver and intestine of the rabbit. Field FJ, et al. **J Lipid Res** 1987 Jan;28(1):50–8

Hydrolysis of chylomicron arachidonate and linoleate ester bonds by lipoprotein lipase and hepatic lipase. Nilsson A, et al. **J Lipid Res** 1987 May;28(5):510–7

Binding of bile acids by glutathione S–transferases from rat liver. Takikawa H, et al. **J Lipid Res** 1986 Sep;27(9):955–66

Crystallization of an NADP+–dependent malic enzyme from rat liver. Baker PJ, et al. **J Mol Biol** 1987 Jan 5;193(1):233–5

Rat 3–hydroxyanthranilic acid oxygenase: purification from the liver and immunocytochemical localization in the brain. Okuno E, et al. **J Neurochem** 1987 Sep;49(3):771–80

Modulation of the flavin–containing monooxygenase in guinea pigs by ascorbic acid and food restriction. Brodfuehrer JI, et al. **J Nutr** 1987 Feb;117(2):286–90

The effect of progressive selenium deficiency on anti–glutathione peroxidase antibody reactive protein in rat liver. Knight SA, et al. **J Nutr** 1987 Apr;117(4):732–8

Influences of dietary restriction and age on liver enzyme activities and lipid peroxidation in mice. Koizumi A, et al. **J Nutr** 1987 Feb;117(2):361–7

Absence of a generalized disaccharide effect in adult female rats. Lee VM, et al. **J Nutr** 1986 Aug;116(8):1555–60

Gender–linked differences in dietary induction of hepatic glucose–6 phosphate dehydrogenase, 6–phosphogluconate dehydrogenase and malic enzyme in the rat. Lee VM, et al. **J Nutr** 1986 Aug;116(8):1547–54

Inhibition of liver lipogenesis by dietary polyunsaturated fat in severely diabetic rats. Wilson MD, et al. **J Nutr** 1986 Aug;116(8):1511–8

Heat–inactivation of liver glucose–6–phosphate dehydrogenase and malic enzyme in 1– and 12–month–old rats. Fukuda H, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Oct;32(5):507–12

Effect of dietary medium chain triglyceride on lipogenic enzyme activity in rat liver. Takase S, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Apr;32(2):219–27

Effect of co–administration of interferon inducer, polyriboinosinic acid–polyribocytidylic acid, with SKF 525–A on hepatic drug metabolizing enzymes of rats. Matsunaga T, et al. **J Pharmacobiodyn** 1986 Aug; 9(8):638–44

Effect of phenobarbital on the distribution of drug metabolizing enzymes between periportal and perivenous rat hepatocytes prepared by digitonin–collagenase liver perfusion. Bengtsson G, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):663–7

Effect of inhibition of gamma–glutamyltranspeptidase on biliary and urinary excretion of glutathione–derived thiols and methylmercury. Gregus Z, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):27–32

Diethylaminoethoxyhexestrol inhibition of purified rat liver lysosomal phospholipase A1: role of drug binding to substrate. Kubo M, et al. **J Pharmacol Exp Ther** 1987 Jan; 240(1):88–92

Enhanced hepatic adenylate cyclase activity in rats with portacaval shunt. de Fontaine S, et al. **J Surg Res** 1987 Feb;42(2):198–206

Methylxanthine treatment of rats reduces 2,5–oligoadenylate synthesis in liver nuclei. Liu DK, et al. **J Toxicol Environ Health** 1987;20(4):379–86

Effects of polychlorinated biphenyls on porphyrin synthesis and cytochrome P–450–dependent monooxygenases in small intestine and liver of Japanese quail. Miranda CL, et al. **J Toxicol Environ Health** 1987;20(1–2):27–35

Short–term oral administration of polybrominated biphenyls enhances the development of hepatic enzyme–altered foci in initiated rats. Rezabek MS, et al. **J Toxicol Environ Health** 1987;20(4):347–56

Immunochemically detected nuclear envelope–associated cytochrome P–450 component(s) in rat hepatocyte culture lines. Hishinuma T, et al. **Jpn J Cancer Res** 1987 May; 78(5):505–11

Induction of gamma–glutamyltranspeptidase–positive foci in rat liver by deoxycholic acid. Ura H, et al. **Jpn J Cancer Res** 1987 Mar;78(3):216–8

Increased biosynthesis of alkaline phosphatase by serum, serum albumin and gamma globulin in chimpanzee liver cells in culture. Sorimachi K, et al. **Jpn J Exp Med** 1986 Aug;56(4):185–8

Studies on responsiveness of hepatoma cells to catecholamines. III. Difference between the receptor–adenylate cyclase regulating systems in AH130 cells and cultured normal rat liver cells. Sanae F, et al. **Jpn J Pharmacol** 1986 Oct;42(2):281–8

Suppressive effect of tritoqualine on enzyme leakage induced by D–galactosamine in rat primary–cultured hepatocytes. Yuasa S, et al. **Jpn J Pharmacol** 1987 Mar;43(3):263–6

Examination of enzyme–altered foci with gamma–glutamyl transpeptidase, aldehyde dehydrogenase, glucose–6–phosphate dehydrogenase, and other markers in methacrylate–embedded liver. Pretlow TP, et al. **Lab Invest** 1987 Jan;56(1):96–100

Hepatic glutathione S–transferase release after halothane anaesthesia: open randomised comparison with isoflurane. Allan LG, et al. **Lancet** 1987 Apr 4;1(8536):771–4

Enzymological diagnosis of primary hyperoxaluria type 1 by measurement of hepatic alanine: glyoxylate aminotransferase activity. Danpure CJ, et al. **Lancet** 1987 Feb 7;1(8528):289–91

TCDD (2,3,7,8–tetrachlorodibenzo–p–dioxin) causes an increase in protein tyrosine kinase activities at an early stage of poisoning in vivo in rat hepatocyte membranes. Bombick DW, et al. **Life Sci** 1987 Jul 27;41(4):429–36

Interleukin–1 (IL–1) depresses cytochrome P450 levels and activities in mice. Shedlofsky SI, et al. **Life Sci** 1987 Jun 15;40(24):2331–6

Evidence that cholesteryl ester hydrolase and triglyceride lipase are different enzymes in rat liver. Chen JJ, et al. **Lipids** 1986 Aug;21(8):503–7

Glucosylceramide and the level of the glucosidase–stimulating proteins. Datta SC, et al. **Lipids** 1986 Nov;21(11):702–9

Rat hepatocyte plasma membrane acyl:CoA synthetase activity. Davidson BC, et al. **Lipids** 1986 Sep;21(9):571–4

Substrate specificity of lysosomal cholesteryl ester hydrolase isolated from rat liver. Klemets R, et al. **Lipids** 1986 Aug; 21(8):481–5

Effect of environmental temperature changes on liver delta 6 and delta 5 fatty acid desaturases depressed by hyperglycidic diet on male rats. Losada AV, et al. **Lipids** 1987 Apr;22(4):282–4

Post–heparin plasma hepatic lipase activity as predictor of high–density lipoprotein response to progestogen therapy: studies with cyproterone acetate. Tikkanen MJ, et al. **Maturitas** 1987 Apr;9(1):81–6

The effect of hypothyroidism and thyroxine replacement on hepatic and intestinal HMG–CoA reductase and ACAT activities and biliary lipids in the rat. Field FJ, et al. **Metabolism** 1986 Dec;35(12):1085–9

Effects of graded intravenous doses of fructose on glycogen synthase in the liver of fasted rats. Niewoehner CB, et al. **Metabolism** 1987 Apr;36(4):338–44

Phenylalanine 4–monooxygenase from human liver. Abita JP, et al. **Methods Enzymol** 1987;142:27–35

Amine N–methyltransferases. Ansher SS, et al. **Methods Enzymol** 1987;142:660–7

Acetyl–CoA: alpha–glucosaminide N–acetyltransferase from rat liver. Bame KJ, et al. **Methods Enzymol** 1987;138:607–11

4–Hydroxyphenylpyruvate dioxygenase from pig liver. Buckthal DJ, et al. **Methods Enzymol** 1987;142:132–8

Phenylalanine 4–monooxygenase from bovine liver. Døskeland AP, et al. **Methods Enzymol** 1987;142:35–44

4–Hydroxyphenylpyruvate dioxygenase from avian liver. Fellman JH. **Methods Enzymol** 1987;142:148–54

Use of naphthoquinone adsorbent for the isolation of human dihydropteridine reductase. Firgaira FA, et al. **Methods Enzymol** 1987;142:116–26

Dihydropteridine reductase from bovine liver. Hasegawa H, et al. **Methods Enzymol** 1987;142:103–10

NADPH–specific dihydropteridine reductase from bovine liver. Hasegawa H, et al. **Methods Enzymol** 1987;142:111–6

Phenylalanine 4–monooxygenase from rat liver. Kaufman S. **Methods Enzymol** 1987;142:3–17

Dihydropteridine reductase from sheep liver. Kaufman S. **Methods Enzymol** 1987;142:97–103

4–Hydroxyphenylpyruvate dioxygenase from human liver. Lindstedt S, et al. **Methods Enzymol** 1987;142:139–42

Cathepsin T. Pitot HC, et al. **Methods Enzymol** 1987; 142:279–89

Purification and assay of rat liver phenylalanine 4–monooxygenase. Shiman R. **Methods Enzymol** 1987; 142:17–27

Aromatic–amino acid–glyoxylate aminotransferase from rat liver. Takada Y, et al. **Methods Enzymol** 1987;142:273–9

Assay and purification of liver monoamine oxidase. Youdim MB, et al. **Methods Enzymol** 1987;142:617–27

Lipid metabolism in endotoxic rats: decrease in hepatic triglyceride lipase activity. Kawakami M, et al. **Microbiol Immunol** 1986;30(9):849–54

A comparative study of UTP–D–glucose–1–phosphate uridylyl transferase in the cysts of Echinococcus multilocularis and the livers of infected and control Meriones unguiculatus. Sarciron ME, et al. **Mol Biochem Parasitol** 1987 Feb;23(1):25–9

Identification of messenger RNA for glutamate dehydrogenase using a spectrophotometric probe. Hillar M, et al. **Mol Biol Rep** 1986;11(3):131–5

Effects of glucagon and insulin on the cyclic AMP binding capacity of hepatocyte cyclic AMP–dependent protein kinase. Ciudad CJ, et al. **Mol Cell Biochem** 1987 Jan; 73(1):37–44

Kinetic mechanisms and interaction of rat liver DNA methyltransferase with defined DNA substrates. Ruchirawat M, et al. **Mol Cell Biochem** 1987 Jul;76(1):45–54

Different tissue–specific expression of the amylase gene Amy–1 in mice and rats. Sierra F, et al. **Mol Cell Biol** 1986 Nov;6(11):4067–76

Increase in liver protein phosphatase–1 in spontaneously diabetic Chinese hamsters. Hanley RM, et al. **Mol Cell Endocrinol** 1987 Mar;50(1–2):115–22

Purification, physicochemical, and kinetic properties of liver acetyl–CoA:arylamine N–acetyltransferase from rapid acetylator rabbits. Andres HH, et al. **Mol Pharmacol** 1987 Apr;31(4):446–56

Inactivation of multiple hepatic cytochrome P–450 isozymes in rats by allylisopropylacetamide: mechanistic implications. Bornheim LM, et al. **Mol Pharmacol** 1987 Aug;32(1):299–308

Inhibition of human liver folylpolyglutamate synthetase by non–gamma–glutamylatable antifolate analogs. Clarke L, et al. **Mol Pharmacol** 1987 Jan;31(1):122–7

Isolation and purification of two human liver UDP–glucuronosyltransferases. Irshaid YM, et al. **Mol Pharmacol** 1987 Jan;31(1):27–34

Immunohistochemical localization and quantitation of NADPH–cytochrome P–450 reductase in human liver. McManus ME, et al. **Mol Pharmacol** 1987 Aug;32(1):189–94

Physiochemical properties of tissue alkaline phosphatase in IS rats. Fujise H, et al. **Nippon Juigaku Zasshi** 1987 Apr; 49(2):379–81

Alteration of rat hepatic 3 alpha–hydroxysteroid dehydrogenase zymogram by boiled renal extract. Matsuzawa T. **Nippon Juigaku Zasshi** 1986 Dec; 48(6):1237–40

Terminal deoxynucleotidyl transferase positive cells in the human embryonic and fetal liver. Emura I, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Jul;49(4):846–51

Nucleotide sequence of rat liver delta–aminolevulinic acid dehydratase cDNA. Bishop TR, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):10115

A PvuII RFLP for the human liver arginase (ARG1) gene. Kidd JR, et al. **Nucleic Acids Res** 1986 Dec 9:14(23):9544

A high–frequency RFLP at the human liver/bone/kidney–type alkaline phosphatase locus. Weiss MJ, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):860

Dietary butylated hydroxytoluene protects cytochrome P–450 in hepatic nuclear membranes of rats fed 2–acetylaminofluorene. Carubelli R, et al. **Nutr Cancer** 1987;10(3):145–8

The enzymatic studies of the liver in acute experimental pancreatitis in dogs treated with prostacyclin (PGI2). Długosz J, et al. **Pathol Res Pract** 1987 Feb;182(1):80–6

The urinary 6 beta–hydroxycortisol excretion in man on inducers and inhibitors of the hepatic mixed function oxidase. Desager JP, et al. **Pharmacol Ther** 1987;33(1):197–9

Methoxyphenamine O–demethylase and 5–hydroxylase: a GLC–ECD assay to study their activities and their inhibition by debrisoquine and sparteine. Hawes EM, et al. **Pharmacol Ther** 1987;33(1):73–7

Reversible inhibition and activation of hepatic GSH S–transferases by ethylene dibromide. Ivanetich KM, et al. **Pharmacol Ther** 1987;33(1):85–8

Valpromide but not sodium hydrogen divalproate inhibits epoxide hydrolase in human liver. Pacifici GM, et al. **Pharmacol Toxicol** 1987 Mar;60(3):237–8

Relationship of suppression of the androgenic axis by cobalt–protoporphyrin to its effects on weight loss and hepatic heme oxygenase induction. Galbraith RA, et al. **Pharmacology** 1987;34(5):241–9

7–ethoxycoumarin O–deethylation in perfused livers from ethanol–fed rats: evidence for an important role of mitochondrial reducing equivalents. Reinke LA, et al. **Pharmacology** 1987;34(2–3):167–75

Subunit heterogeneity of cationic human hepatic glutathione S–transferases. Sugimoto M, et al. **Pharmacology** 1987; 35(2):65–78

Hepatic glutathion S–transferase activity during development of adjuvant arthritis in rats. Kamenikova L, et al.

Pharmazie 1986 Jun;41(6):438

Three exponential fluorescence decay of horse liver alcohol dehydrogenase revealed by iodide quenching. Demmer DR, et al. **Photochem Photobiol** 1987 Jan;45(1):39–48

Dose-dependent relationships between the effects of epinephrine and glucose on the activity of key enzymes of glycogen metabolism in the rat liver. Németh S, et al. **Physiol Bohemoslov** 1987;36(1):15–20

Effects of various soyasaponins on liver tyrosine aminotransferase activity induced by cortisone in adrenalectomized rats. Kimura Y, et al. **Planta Med** 1986 Dec;(6):482–3

Effects of soyasaponins on liver tyrosine aminotransferase activity induced by cortisone in adrenalectomized rats. Okuda H, et al. **Planta Med** 1986 Oct;(5):406–7

Polyol dehydrogenase: purification. Evidence for multiple forms and some properties of the dominant variant of the horse liver enzyme. Porter GF, et al. **Prep Biochem** 1987; 17(2):143–55

Developmental acquisition of DNase I sensitivity of the phosphoenolpyruvate carboxykinase (GTP) gene in rat liver. Benvenisty N, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1132–6

Purification of a phosphatidylinositol–glycan–specific phospholipase C from liver plasma membranes: a possible target of insulin action. Fox JA, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2663–7

Molecular cloning and nucleotide sequence of cDNA for human liver arginase. Haraguchi Y, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):412–5

Mammalian alcohol dehydrogenases of separate classes: intermediates between different enzymes and intraclass isozymes. Jörnvall H, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2580–4

Correlation of
1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine neurotoxicity with blood–brain barrier monoamine oxidase activity. Kalaria RN, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3521–5

Cloning of rat hepatic lipase cDNA: evidence for a lipase gene family. Komaromy MC, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1526–30

Sequence analysis of the cDNA encoding human liver glycogen phosphorylase reveals tissue-specific codon usage. Newgard CB, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8132–6

Amino acid sequence of S–adenosyl–L–homocysteine hydrolase from rat liver as derived from the cDNA sequence. Ogawa H, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):719–23

Purification, properties, and immunocytochemical localization of human liver peroxisomal enoyl–CoA hydratase/3–hydroxyacyl–CoA dehydrogenase. Reddy MK, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3214–8

Dual control mechanism for heme oxygenase: tin(IV)–protoporphyrin potently inhibits enzyme activity while markedly increasing content of enzyme protein in liver. Sardana MK, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2464–8

Human peroxisomal 3–oxoacyl–coenzyme A thiolase deficiency. Schram AW, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2494–6

Molecular cloning of cDNAs of human liver and placenta NADH–cytochrome b5 reductase. Yubisui T, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3609–13

Mechanism of pigeon liver malic enzyme: modification of essential carboxyl groups. Chang GG, et al. **Proc Natl Sci Counc Repub China [B]** 1985 Jan;9(1):56–66

Serum concentrations of thyroid hormones and extrathyroidal thyroxine–5'–monodeiodinase activity during lactation in the rat. Kahl S, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):144–50

Dietary induction of hepatic glucose–6–phosphate dehydrogenase, 6–phosphogluconate dehydrogenase, and malic enzyme in lean and obese female Zucker rats. Lee VM, et al. **Proc Soc Exp Biol Med** 1987 Mar;184(3):278–84

Hydrolase activities increase in the rat aorta with growth and aging but not in liver and kidney. Markle RA. **Proc Soc Exp Biol Med** 1986 Nov;183(2):169–76

Studies on the hormonal regulation of rat liver alcohol dehydrogenase. Crabb DW. **Prog Clin Biol Res** 1987; 232:245–58

Abortive complex formation and substrate activation and inhibition effects with sheep liver cytosolic aldehyde dehydrogenase. Dickinson FM, et al. **Prog Clin Biol Res** 1987;232:25–35

Regulation of the circadian rhythm of hepatic pyruvate kinase in mice. Feuers RJ, et al. **Prog Clin Biol Res** 1987; 227A:163–72

Molecular biology studies of beef liver aldehyde dehydrogenase. Guan K, et al. **Prog Clin Biol Res** 1987; 232:15–24

The roles of human aldehyde dehydrogenase isoenzymes in ethanol metabolism. Harrington MC, et al. **Prog Clin Biol Res** 1987;232:111–25

The cytoplasmic aldehyde dehydrogenase induced in rat liver by xenobiotics. Kinetic studies and studies on esterase activity. Koivusalo M, et al. **Prog Clin Biol Res** 1987; 232:135–47

Aldehyde dehydrogenase activities and NAD+–dependent formaldehyde oxidation in perivenous and periportal hepatocytes: effect of induction by beta–naphthoflavone. Lindros KO, et al. **Prog Clin Biol Res** 1987;232:77–83

Hydroxysteroids are physiological substrates of dehydrogenases for alicyclic alcohols and benzene dihydrodiol in rodent and rabbit liver cytosol. Nakayama T, et al. **Prog Clin Biol Res** 1987;232:415–30

Stoichiometry of chemical modification of human aldehyde dehydrogenase: evidence for "quarter of the sites" reactivity. Pietruszko R, et al. **Prog Clin Biol Res** 1987;232:37–52

The active site of liver alcohol dehydrogenase mechanistic inferences from the binding and turnover of 2–, 3–, and 4–pyridylcarbinols. Pocker Y, et al. **Prog Clin Biol Res** 1987;232:179–87

Liver alcohol dehydrogenase: substrate orientation. Metabolic activity and energetics of enzyme catalysis. Pocker Y, et al. **Prog Clin Biol Res** 1987;232:217–25

Structure and expression of mouse liver alcohol dehydrogenase isoenzymes. Rex DK, et al. **Prog Clin Biol Res** 1987;232:237–43

Benzaldehyde: NADP aldehyde dehydrogenase activity in hepatocyte nodules, hepatocellular carcinomas and drug–induced rat liver. Ritter E, et al. **Prog Clin Biol Res** 1987;232:149–64

Primary structure of aldehyde reductase from human liver. Wermuth B, et al. **Prog Clin Biol Res** 1987;232:297–307

Studies on the inactivation of aldehyde dehydrogenase (AlDH). Woenckhaus C, et al. **Prog Clin Biol Res** 1987; 232:53–65

High–density lipoprotein cholesterol, hepatic lipase and lipoprotein lipase activities in thyroid dysfunction—effects of treatment. Lam KS, et al. **Q J Med** 1986 May; 59(229):513–21

Activity changes of selected adaptive enzymes in the liver of rats, irradiated with a lethal dose of X–rays. Toropila M, et al. **Radiobiol Radiother (Berl)** 1986;27(3):315–20

The role of lipid peroxidation in the chemical–dependent activation of hepatic phospholipase C in vitro. Snyder JW, et al. **Res Commun Chem Pathol Pharmacol** 1987 Jan; 55(1):3–16

Hepatic tyrosine aminotransferase inhibitor affects the bioavailability of exogenous tyrosine. Topall G, et al. **Res Commun Chem Pathol Pharmacol** 1987 May; 56(2):199–210

The effects of various substituted hydrocarbons on two heme synthesis regulatory enzymes. Williams H, et al. **Res Commun Chem Pathol Pharmacol** 1986 Sep; 53(3):373–80

The use of a line scan rateometer for the X–ray microanalytic evaluation of membrane–bound histochemical endproducts. Nagy I, et al. **Scan Electron Microsc** 1986;(Pt 2):725–34

Plasma kinetics of lipoprotein lipase and hepatic lipase activities induced by heparin and a low molecular weight heparin fragment. Persson E, et al. **Scand J Clin Lab Invest** 1987 Apr;47(2):151–5

Multiple molecular forms of rat liver pantothenate kinase. Halvorsen O, et al. **Scand J Clin Lab Invest [Suppl]** 1986; 184:67–70

Influence of dietary fibre on hepatic and intestinal metabolism in rat. Lindeskog P, et al. **Scand J Gastroenterol [Suppl]** 1987;129:258–62

Rat liver 3 alpha–hydroxysteroid dehydrogenase. Penning TM, et al. **Steroids** 1986 Apr–May;47(4–5):221–47

Hepatic steatosis in total parenteral nutrition: failure of fatty infiltration to correlate with abnormal serum hepatic enzyme levels. Sax HC, et al. **Surgery** 1986 Oct; 100(4):697–704

Stimulation of liver iodothyronine monodeiodinases is not direct action of TSH. Wu SY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Oct;85(10):941–6

Chronic valproic acid and coantiepileptic drug therapy and incidence of increases in serum liver enzymes. Haidukewych D, et al. **Ther Drug Monit** 1986;8(4):407–10

Anticoagulant activities of pentosan polysulphate (Hémoclar) due to release of hepatic triglyceride lipase (HTGL). Barrowcliffe TW, et al. **Thromb Haemost** 1986 Oct 21; 56(2):202–6

Antithrombotic action of hepatic triglyceride lipase—fact or fiction [letter] Harenberg J, et al. **Thromb Haemost** 1987 Apr 7;57(2):241–2

Immunoenzymatic studies of ornithine transcarbamylase (OTC) in liver of patients with OTC deficiency by enzyme linked immunosorbent assay (ELISA). Oyanagi K, et al. **Tohoku J Exp Med** 1987 May;152(1):15–21

The oxidation of alpha–beta unsaturated aldehydic products of lipid peroxidation by rat liver aldehyde dehydrogenases. Mitchell DY, et al. **Toxicol Appl Pharmacol** 1987 Mar 15; 87(3):403–10

Differences in rat liver enzyme–altered foci produced by chlorinated aliphatics and phenobarbital. Story DL, et al. **Toxicol Ind Health** 1986 Dec;2(4):351–62 (36 ref.)

Influence of metal chelators on metalloenzymes. Khandelwal S, et al. **Toxicol Lett** 1987 Aug;37(3):213–9

Metabolism of xenobiotics in hepatocyte nodules. Eriksson LC, et al. **Toxicol Pathol** 1987;15(1):27–42 (92 ref.)

Induction of the placental form of glutathione S–transferase by lead nitrate administration in rat liver. Roomi MW, et al. **Toxicol Pathol** 1987;15(2):202–5

Glutathione peroxidase and glutathione transferase activity in rat lung and liver following cadmium inhalation. Grose EC, et al. **Toxicology** 1987 May;44(2):171–9

Reduction of liver glutathione peroxidase activity and deficiency of serum selenium in patients with hepatocellular carcinoma. Corrocher R, et al. **Tumori** 1986 Dec 31; 72(6):617–9

Subcellular location of corticosteroid–induced alkaline phosphatase in canine hepatocytes. Sanecki RK, et al. **Vet Pathol** 1987 Jul;24(4):296–301

Changes in the acinar distribution of some enzymes involved in carbohydrate metabolism in rat liver parenchyma after experimentally induced cholestasis. Van Noorden CJ, et al. **Virchows Arch [B]** 1987;52(6):501–11

Differential induction profile of drug–metabolizing enzymes after treatment with hypolipidaemic agents. Fournel S, et al. **Xenobiotica** 1987 Apr;17(4):445–57

Polymorphism of human cytochrome P–450. Guengerich FP, et al. **Xenobiotica** 1987 Mar;17(3):311–6

Difference in the effects of phenobarbital and 3–methylcholanthrene treatment on subunit composition of hepatic glutathione S–transferase in male and female rats. Igarashi T, et al. **Xenobiotica** 1987 Feb;17(2):127–37

Induction of xenobiotic–metabolizing enzymes and peroxisome proliferation in rat liver caused by dietary exposure to di(2–ethylhexyl)phosphate. Lundgren B, et al. **Xenobiotica** 1987 May;17(5):585–93

Sequence analysis and regulation of rat liver glutathione S–transferase mRNAs. Pickett CB, et al. **Xenobiotica** 1987 Mar;17(3):317–23

Critical evaluation of 7–ethoxycoumarin O–deethylase activity measurement in intact isolated rat hepatocytes. Rogiers V, et al. **Xenobiotica** 1986 Sep;16(9):817–26

The effect of guanidinium chloride on the self–association of bovine liver glutamate dehydrogenase: a gel filtration study. Mazzini A, et al. **Z Naturforsch [C]** 1987 Mar; 42(3):217–20

[The HELLP syndrome—its clinical aspects, diagnosis and therapy (a case report)] Ivanova S, et al. **Akush Ginekol (Sofiia)** 1987;26(2):76–9 (Eng. Abstr.) **(Bul)**

[Favorable action of preliminary fasting on changes in liver plasma membrane enzymes due to the use of D–galactosamine] Adzharov D, et al. **Eksp Med Morfol** 1987;26(2):20–3 (Eng. Abstr.) **(Bul)**

[The effect of acupuncture at renzhong on hepatic phosphorylase of rabbits during hemorrhagic shock. Histochemical observation] Wen S, et al. **Chen Tzu Yen Chiu** 1986;11(4):258–62 (Eng. Abstr.) **(Chi)**

[Level of cyclic AMP–dependent protein kinase isozyme in normal liver and hepatoma tissue and the effect of sodium selenite] Liu QY, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Sep;8(5):339–41 (Eng. Abstr.) **(Chi)**

[Effects of clofibrate, silybin, safflower oil and lamindran on liver peroxisome proliferation and enzyme activities in rats] Wu SG, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 May;7(3):283–4 (Eng. Abstr.) **(Chi)**

[Specific precipitation assay of bone and liver isoenzymes of serum alkaline phosphatase] Desoize B, et al. **Bull Cancer (Paris)** 1987;74(1):13–22 (Eng. Abstr.) **(Fre)**

[Assignment, by proton magnetic resonance, of histidines of dihydrofolate reductase from chicken liver] Lebrun E, et al. **C R Acad Sci [III]** 1987;304(2):55–60 (Eng. Abstr.) **(Fre)**

[Changes in hepatic enzyme activities of drug metabolism in rats exposed to normobaric oxygen] Nasraoui A, et al. **C R Acad Sci [III]** 1986;302(20):687–9 (Eng. Abstr.) **(Fre)**

[Effects of dithiothreitol and thioredoxines on the in vitro activity of enzymes of the urea cycle in rats] Demarquoy J, et al. **C R Soc Biol (Paris)** 1986;180(4):473–81 (Eng. Abstr.) **(Fre)**

[Drug interactions due to enzymatic inhibition. The predictive value of pharmacokinetic studies] Descotes J, et al. **Therapie** 1986 Sep–Oct;41(5):349–51 (Eng. Abstr.) **(Fre)**

[The microquantitative distribution of alcohol dehydrogenase activity in the liver parenchyma of various mammals] Sasse D, et al. **Acta Histochem [Suppl] (Jena)** 1987;34:127–9 **(Ger)**

[Microscopic determination of glucose–6–phosphate dehydrogenase and malic enzyme in liver acinus] Uhlmann R, et al. **Acta Histochem [Suppl] (Jena)** 1987;34:131–4 **(Ger)**

[Liver enzyme values and the average incidence of alcohol consumption in social drinkers] Haffner HT, et al. **Blutalkohol** 1986 Sep;23(5):330–6 (Eng. Abstr.) **(Ger)**

[The action of phenylmercuriacetate and nitrate in combined application in rats: the thyroid gland, liver enzymes and morphologic findings in the brain and kidney] Höring H, et al. **Nahrung** 1986;30(7):713–21 (Eng. Abstr.) **(Ger)**

[Monoamine oxidase activity of the brain and liver of 60Co–gamma–irradiated mice as affected by the use of a radiation protective agent] Bodo K, et al. **Radiobiol Radiother (Berl)** 1986;27(4):457–61 (Eng. Abstr.) **(Ger)**

[Effect of cold storage and freezing of bovine and porcine liver on activity and subcellular distribution of mitochondrial enzymes] Gottesmann P, et al. **Z Lebensm Unters Forsch** 1987 Apr;184(4):294–9 (Eng. Abstr.) **(Ger)**

[Demonstration of the heterogeneity of DNA polymerase alpha in embryonal tissues with high proliferative activity: structural analysis of the subunit in the human fetal liver] Casoli C, et al. **Boll Soc Ital Biol Sper** 1986 Oct 30; 62(10):1205–11 (Eng. Abstr.) **(Ita)**

[Hepatic damage in celiac disease in children] Bonamico M, et al. **Minerva Pediatr** 1986 Nov 15;38(21):959–62 (Eng. Abstr.) **(Ita)**

[Enzyme alterations during chemical hepatocarcinogenesis] Sato K, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):1980–8 (Eng. Abstr.) **(Jpn)**

[Liver phosphotyrosine protein phosphatase and tyrosine protein kinase in chemical hepatocarcinogenesis] Tsuiki S, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2010–7 (Eng. Abstr.) **(Jpn)**

[A study on the disulfiram–like reaction of T–2588. Influence of the consecutive administration of T–2588 on hepatic alcohol dehydrogenase and aldehyde dehydrogenase activities and blood levels of ethanol and acetaldehyde] Shimotori T, et al. **Jpn J Antibiot** 1986 Sep;39(9):2301–6 (Eng. Abstr.) **(Jpn)**

[Changes in enzyme activity associated with polyamine metabolism in the liver of experimental IUGR rats] Ohmoto H. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan;39(1):1–8 (Eng. Abstr.) **(Jpn)**

[A basic study on human hepatic glutathione S–transferase isozymes] Sugimoto M.
Nippon Shokakibyo Gakkai Zasshi 1987 Mar;84(3):698–705 (Eng. Abstr.) **(Jpn)**

[Cytochrome P–450 system activity in the liver of albino rats after administration of various fat substances in the diet] Bartlomowicz B. **Ann Acad Med Stetin** 1986;32:81–93 (Eng. Abstr.) **(Pol)**

[Hepatic cytochrome P–450] Bartlomowicz B.
Postepy Biochem 1986;32(4):459–67 (53 ref.) **(Pol)**

[Effect of administration of carbendazim in the rat diet on various biological parameters and the activity of selected serum and liver enzyme] Fonberg–Broczek M, et al.
Rocz Panstw Zakl Hig 1986;37(3):235–43 (Eng. Abstr.) **(Pol)**

[Peroxidase activity of catalase modified by progesterone] Artemchik VD, et al. **Biokhimiia** 1986 Aug;51(8):1355–61 (Eng. Abstr.) **(Rus)**

[Partial separation of allelic forms of N–acetyltransferase from the rabbit liver using a new method of enzyme purification] Kabishev AA, et al. **Biokhimiia** 1987 May; 52(5):761–71 (Eng. Abstr.) **(Rus)**

[Identification and characteristics of mRNA for cytochrome P–450 in the rat liver induced by phenobarbital and 3–methylcholanthrene] Kabishev AA, et al. **Biokhimiia** 1986 Nov;51(11):1821–8 (Eng. Abstr.) **(Rus)**

[Effect of cobalt chloride on the activity of key enzymes of heme metabolism in the rat liver] Kaliman PA, et al. **Biokhimiia** 1986 Aug;51(8):1302–7 (Eng. Abstr.) **(Rus)**

[Separation and analysis of immunochemical properties of multiple forms of cytochrome P–450 from the rat liver] Nechaev VN, et al. **Biokhimiia** 1986 Nov;51(11):1811–20 (Eng. Abstr.) **(Rus)**

[Glutamate dehydrogenase—an activator of NAD–kinase in the rabbit liver] Voronina OL, et al. **Biokhimiia** 1986 Nov; 51(11):1829–35 (Eng. Abstr.) **(Rus)**

[Physicochemical characteristics of sorbitol dehydrogenase from the cytoplasm of the liver cells of susliks] Sudovtsov VE, et al. **Biol Nauki** 1986;(11):30–3 (Eng. Abstr.) **(Rus)**

[Changes in the content and structure of the coenzyme A moiety in the liver of diabetic mice (db/db) administered a regimen of nicotinamide] Obrosova IG, et al.
Biull Eksp Biol Med 1987 May;103(5):560–2 (Eng. Abstr.) **(Rus)**

[Purification and study of the physicochemical properties of angiotensin converting enzyme from the human liver] Sakharov IIu, et al. **Biull Eksp Biol Med** 1987 Mar; 103(3):308–10 (Eng. Abstr.) **(Rus)**

[Quantitative changes in Cu, Zn–superoxide dismutase and catalase isolated from the liver of alloxan diabetic rats] Simonian MA, et al. **Biull Eksp Biol Med** 1987 Mar; 103(3):306–8 (Eng. Abstr.) **(Rus)**

[Activity of key enzymes of cholesterol biotransformation and lipid content in the liver, aorta, adrenals and blood of rats exposed to chloroquine] Dushkin MI, et al.
Farmakol Toksikol 1986 Jul–Aug;49(4):67–70 (Eng. Abstr.) **(Rus)**

[Effect of yellow phosphorus on the functional activity of antioxidant enzymes in the liver] Sharmanov TSh, et al.
Gig Sanit 1986 Nov;(11):86–8 **(Rus)**

[Enzymatic spectra of the liver and blood of rats with experimental anthracosis and additional physical load] Pichkhadze GM. **Gig Tr Prof Zabol** 1987 Feb;(2):34–7 (Eng. Abstr.) **(Rus)**

[Cleavage of the repeats in the liver DNA of rats during initial chromatin endonucleolysis] Bubnov NV, et al.
Mol Gen Mikrobiol Virusol 1986 Jun;(6):25–30 (Eng. Abstr.) **(Rus)**

[Cooperative effect of hydrocortisone, adrenaline and high–density lipoproteins in regulating the glucose–6–phosphate dehydrogenase activity of the liver] Panin LE, et al. **Probl Endokrinol (Mosk)** 1986 Jul–Aug; 32(4):69–71 (Eng. Abstr.) **(Rus)**

[Effect of triiodothyronine on aldolase metabolism in the liver of irradiated rats] Komov VP, et al. **Radiobiologiia** 1986 Sep–Oct;26(5):682–4 (Eng. Abstr.) **(Rus)**

[Effect of continuous and modulated laser radiation on the activity of enzymes of glutamic acid metabolism in rat tissues] Pikulev AT, et al. **Radiobiologiia** 1986 Sep–Oct; 26(5):712–4 (Eng. Abstr.) **(Rus)**

[Subcellular localization of glutamine synthetase activity in carp muscle tissue and liver] Grubinko VV, et al.
Ukr Biokhim Zh 1987 May–Jun;59(3):73–6 (Eng. Abstr.) **(Rus)**

[Effect of arginine on the activity of proteolytic enzymes in the rat brain and liver] Mogil'nitskaia LV, et al.
Ukr Biokhim Zh 1987 Jan–Feb;59(1):15–9 (Eng. Abstr.) **(Rus)**

[Activity of enzymes of ethanol metabolism as a test in evaluating the effectiveness of sensitizing alcohol deterrents] Pkhakadze GA, et al. **Ukr Biokhim Zh** 1987 Jul–Aug;59(4):25–9 (Eng. Abstr.) **(Rus)**

[Disulfiram inhibition of aldehyde reductase from the rat liver] Pozniakova TN, et al. **Ukr Biokhim Zh** 1987 May–Jun;59(3):19–23 (Eng. Abstr.) **(Rus)**

[Activity of key enzymes of gluconeogenesis in the liver and corticosterone levels of the blood of thymectomized rats] Zozuliakova SV, et al. **Ukr Biokhim Zh** 1987 Jul–Aug; 59(4):20–5 (Eng. Abstr.) **(Rus)**

[Effect of carbon monoxide on adenyl cylase and cyclAMP phosphodiesterase activity in the rat (experimental study)] Riazanov EM, et al. **Voen Med Zh** 1987 Apr;(4):60–1 **(Rus)**

[Metabolism of the pesticide trichlorometaphos–3 and its effect on the monooxygenase system depending upon the supply of lysine, methionine. threonine and vitamins A, B and C] Bakanov ShA, et al. **Vopr Med Khim** 1986 Jul–Aug;32(4):98–102 (Eng. Abstr.) **(Rus)**

[Changes in the intracellular glucose–6–phosphate dehydrogenase metabolism in the rat liver during thiamine deficiency] Denisenko VA, et al. **Vopr Med Khim** 1986 Jul–Aug;32(4):129–33 (Eng. Abstr.) **(Rus)**

[Cholesterol esterase activity in the rat aorta and liver after stimulation and blockade of beta–adrenergic receptors] Dolgov AV, et al. **Vopr Med Khim** 1987 May–Jun; 33(3):92–5 (Eng. Abstr.) **(Rus)**

[Effectiveness of essentiale and vitohepatum as stabilizers of liver lysosomal membranes] Fomichenko KV, et al.
Vopr Med Khim 1986 Sep–Oct;32(5):21–4 (Eng. Abstr.) **(Rus)**

[Effect of hepatectomy on liver adenylate cyclase activity in rats of various ages] Kul'chitskiĭ OK.
Vopr Med Khim 1987 Jan–Feb;33(1):19–21 (Eng. Abstr.) **(Rus)**

[Effect of lipid peroxidation on the Mg–ATPase activity of the brain and liver] Lunets EF, et al. **Vopr Med Khim** 1986 Jul–Aug;32(4):32–5 (Eng. Abstr.) **(Rus)**

[Effect of thymectomy on activity of key enzymes of gluconeogenesis in the rat liver] Podosinnikov IS, et al.
Vopr Med Khim 1987 Jan–Feb;33(1):29–33 (Eng. Abstr.) **(Rus)**

[A modified highly sensitive spectrophotometric method for determining acid phosphatase activity in the animal liver] Siatkin SP, et al. **Vopr Med Khim** 1986 Nov–Dec; 32(6):132–4 (Eng. Abstr.) **(Rus)**

[Physico–chemical characteristics of sorbitol dehydrogenase from the cytoplasm of bovine liver cells] Sudovtsov VE, et al. **Vopr Med Khim** 1987 May–Jun;33(3):81–4 (Eng. Abstr.) **(Rus)**

[Cytochrome P–450–dependent reactions during intensified biosynthesis of coenzyme A in hepatocytes] Sushko LI, et al. **Vopr Med Khim** 1986 Jul–Aug;32(4):20–4 (Eng. Abstr.) **(Rus)**

[Activity of key redox enzymes in rabbits with different typologic features] Krakovskiĭ ME.
Zh Vyssh Nerv Deiat 1987 May–Jun;37(3):457–61 (Eng. Abstr.) **(Rus)**

[Effect of hypervitaminosis D on the activity of various enzymes in the rat liver] Alarcón OM, et al.
Arch Latinoam Nutr 1986 Mar;36(1):98–107 (Eng. Abstr.) **(Spa)**

[Whipple's disease associated with liver deposits of alpha–1 antitrypsin (Pi MS phenotype) and melena] Carballo Fernández C, et al. **Rev Esp Enferm Apar Dig** 1986 Nov; 70(5):443–7 (Eng. Abstr.) **(Spa)**

[Effect of polyamines on palmitoyl–CoA inhibition of glucose–6–phosphate dehydrogenase of the rat liver (letter)] Rodríguez–Torres AM, et al. **Rev Esp Fisiol** 1987 Mar;43(1):119–21 **(Spa)**

GROWTH & DEVELOPMENT

Comparison of heterogeneous nuclear ribonucleoprotein particles of the developing rat liver. Tomcsányi T, et al.
Acta Biochim Biophys Hung 1986;21(1–2):43–51

Effect of 3–methylcholanthrene on the protein composition of heterogeneous nuclear ribonucleoprotein particles in developing rat liver. Tomcsányi T, et al.
Acta Biochim Biophys Hung 1986;21(1–2):53–8

Comparative study of proliferation of suckling and adult rat hepatocytes in primary culture in response to growth–stimulating factors. Handa Y, et al.
Acta Med Okayama 1986 Dec;40(6):321–6

Modulation of hepatic biotransformation and biliary excretion of bile acid by age and sinusoidal bile acid load. Baumgartner U, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):G114–9

Developmental genetics of hepatic gluconeogenic enzymes. Gluecksohn–Waelsch S. **Ann NY Acad Sci** 1986;478:101–8 (21 ref.)

Anti–lipoperoxidation action of food restriction. Laganiere S, et al. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1185–91

Different mechanisms control developmental activation of transcription of genes subject to identical hormonal regulation in adult liver. Rothrock R, et al.
Biochem Biophys Res Commun 1987 May 14;144(3):1182–7

Prostaglandin synthesizing enzyme activities of hepatocytes and non–hepatocytes in rat liver as a function of age. Park SW, et al. **Biochem Int** 1986 Nov;13(5):827–34

Ontogeny of the chicken cytochrome P–450 enzyme system. Expression and development of responsiveness to phenobarbital induction. Lorr NA, et al.
Biochem Pharmacol 1987 Sep 15;36(18):3059–67

Characterization of hepatic epidermal growth factor receptors in the developing rat. Hoath SB, et al.
Biochim Biophys Acta 1987 Aug 19;930(1):107–13

Effects of neonatally administered chlorpromazine and reserpine on the responsiveness of rat hepatic drug–metabolising enzymes to testosterone in adult life. Finnen MJ, et al. **Biol Neonate** 1986;50(5):265–9

Tissue glycogen and lactate handling by the developing domestic fowl. García FJ, et al.
Comp Biochem Physiol [B] 1986;85(4):727–31

Ontogenesis of growth hormone (GH)–responsive hepatic gene products: lack of correlation with hepatic GH receptor content. Berry SA, et al. **Endocrinology** 1986 Nov; 119(5):2290–6

Quantification and localization of galactose–specific binding sites in rat liver during postnatal development. Dini L, et al. **Eur J Cell Biol** 1987 Aug;44(1):144–50

Ontogeny of an 8S androgen binding protein in rat liver cytosol. Decker DE, et al. **Horm Metab Res** 1986 Aug; 18(8):521–5

Age related changes of glucagon binding and activity in isolated rat hepatocytes. Poli G, et al.
Int J Tissue React 1986;8(5):367–71

Developmental and tissue–specific expression of alpha 1–microglobulin mRNA in the rat. Kastern W, et al.
J Biol Chem 1986 Nov 15;261(32):15070–4

The control of DNA synthesis in primary cultures of hepatocytes from adult and young rats: interactions of extracellular matrix components, epidermal growth factor, and the cell cycle. Tomomura A, et al. **J Cell Physiol** 1987 Feb;130(2):221–7

Changes in immunoreactive malic enzyme in liver and brown adipose tissue during development of the rat. Barton CH, et al. **J Dev Physiol** 1987 Jun;9(3):215–24

Effect of somatocrinin and a somatostatin antiserum on liver growth in the rat. Dubreuil P, et al.
J Pediatr Gastroenterol Nutr 1987 Jan–Feb;6(1):128–34

Aberration of heme and hemoprotein in aged female rats. Bitar MS, et al. **Mech Ageing Dev** 1987 Apr;38(2):189–97

Intracellular water and ionic shifts during growth and ageing of rats. von Zglinicki T, et al. **Mech Ageing Dev** 1987 Apr; 38(2):179–87

Developmental aspects of the lysosomal apparatus of mouse liver. Bertini F, et al. **Microsc Electron Biol Celular** 1986 Dec;10(2):125–32

Localization of gamma–glutamyl transpeptidase in the proliferative state of liver. An enzyme histochemical and immunohistochemical study. Shiozawa M, et al.
Okajimas Folia Anat Jpn 1986 Oct;63(4):209–21

[Analysis of the postnatal growth of the mouse liver by estimating the hepatocyte count, their weight and ploidy] Delone GV, et al. **Ontogenez** 1987 May–Jun;18(3):304–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Characteristics of IgA deposits in liver and skin of patients with liver disease. van de Wiel A, et al.
Am J Clin Pathol 1986 Dec;86(6):724–30

Correlation between hepatic hepatitis B core antigen and serum hepatitis B virus–DNA levels in patients with chronic hepatitis B virus infections in Taiwan. Wu JC, et al. **Arch Pathol Lab Med** 1987 Feb;111(2):181–4

The mobility of concanavalin A receptors and surface immunoglobulins on rat hepatocyte plasma membranes. Lustyik G, et al. **Biochim Biophys Acta** 1987 Jan 9; 896(1):57–63

Evidence against antibody–dependent cell–mediated cytotoxicity as a possible mechanism of liver cell injury in cystic fibrosis. Mondelli MU. **Boll Ist Sieroter Milan** 1987;66(1):66–9

The phylogenetic distribution of the liver protein F antigen. Oliveira DB, et al. **Comp Biochem Physiol [B]** 1987; 87(1):87–90

Cytolytic T cell clones derived from liver tissue of patients with chronic hepatitis B. Hoffmann RM, et al.
Eur J Immunol 1986 Dec;16(12):1635–8

Immunohistochemical study of HLA class I antigens on the hepatocytes of patients with chronic hepatitis B. Manabe K, et al. **Gastroenterol Jpn** 1986 Aug;21(4):357–64

Purification and characterization of a liver cell membrane specific antigen. Morichika S, et al. **Gastroenterol Jpn** 1986 Oct;21(5):471–8

A diagnostic marker of autoimmune chronic active hepatitis: liver plasma membrane antibody in the serum absorbed with particulate fraction of kidney homogenate. Toda G, et al. **Gastroenterol Jpn** 1987 Jun;22(3):303–11

Specific antibody synthesis and biliary secretion by the rat liver after intestinal immunization with cholera toxin. Altorfer J, et al. **Gastroenterology** 1987 Sep;93(3):539–49

Intrahepatic distribution of hepatitis B surface and core antigens in chronic hepatitis B virus infection. Hepatocyte with cytoplasmic/membranous hepatitis B core antigen as

a possible target for immune hepatocytolysis. Chu CM, et al. **Gastroenterology** 1987 Jan;92(1):220–5

The liver and intestinal immunoglobulin A: up from the "minors"? [editorial]Kleinman RE, et al. **Gastroenterology** 1987 Sep;93(3):650–1

Correlation of hepatitis B virus DNA and antigens in the liver. A study in chronic liver disease. Omata M, et al. **Gastroenterology** 1987 Jan;92(1):192–6

Anti–liver–kidney microsome antibody is a marker for the rat hepatocyte endoplasmic reticulum. De Lemos–Chiarandini C, et al. **Hepatology** 1987 May–Jun; 7(3):468–75

Cellular localization of alpha–interferon in hepatitis B virus–infected liver tissue. Jilbert AR, et al. **Hepatology** 1986 Sep–Oct;6(5):957–61

Characteristics of serum IgA and liver IgA deposits in alcoholic liver disease. van de Wiel A, et al. **Hepatology** 1987 Jan–Feb;7(1):95–9

The diagnostic value of immunohistochemical demonstration of hepatitis viral antigens in the liver. Gerber MA, et al. **Hum Pathol** 1987 Aug;18(8):771–4

Detection of specific anti–hapten antibody–producing hybridoma cells in tissue sections of spleen and liver by hapten–enzyme conjugates using an immunoenzyme approach. Boorsma DM, et al. **Hybridoma** 1986 Winter; 5(4):347–51

Water–soluble form of RT1.A class I MHC molecules in the kidney and liver of the rat. Spencer SC, et al. **Immunogenetics** 1987;25(2):91–8

The relationship between liver–specific lipoprotein and the hepatocyte plasma membrane. Bartholomaeus WN, et al. **Immunology** 1987 Mar;60(3):321–9

A comparison of IgA in portal and peripheral venous blood. Challacombe SJ, et al. **Immunology** 1987 Jan;60(1):111–6

Antibody synthesis in the rat liver: an association between antibody–forming cells in the liver and biliary antibodies following intravenous injection of horse erythrocytes. Carter L, et al. **Int Arch Allergy Appl Immunol** 1987; 82(2):153–8

Immunological effects of ciclosporin in primary biliary cirrhosis: suppression of activated T cells and autoantibody levels. Karlsson–Parra A, et al. **Int Arch Allergy Appl Immunol** 1987;83(3):256–64

Purification and characterisation of MHC class I antigen from rat liver with monoclonal antibody. Fukumoto T, et al. **Int J Biochem** 1986;18(11):971–7

Major and minor forms of the rat liver asialoglycoprotein receptor are independent galactose–binding proteins. Primary structure and glycosylation heterogeneity of minor receptor forms. Halberg DF, et al. **J Biol Chem** 1987 Jul 15;262(20):9828–38

Natural cytotoxic cells from rat liver and spleen kill human glioma cells. Malter M, et al. **J Cancer Res Clin Oncol** 1987;113(5):498–501

Expression of tissue polypeptide antigen (TPA) in fetal and adult liver: changes in liver disease. Burt AD, et al. **J Clin Pathol** 1987 Jul;40(7):719–24

Importance of showing HBsAg and HBcAg positivity in the liver for better aetiological definition of chronic liver disease. Ceccarullo L, et al. **J Clin Pathol** 1987 Feb; 40(2):167–71

IgA deposition in alcoholic liver disease. Goldin RD, et al. **J Clin Pathol** 1986 Nov;39(11):1181–5

Autoimmune reactions in Egyptian children with hepatomegaly. Osman NM, et al. **J Egypt Public Health Assoc** 1985;60(5–6):351–77

Accumulation of natural killer and cytotoxic T large granular lymphocytes in the liver during virus infection. McIntyre KW, et al. **J Exp Med** 1986 Nov 1;164(5):1667–81

High hepatic natural killer cell activity in murine lupus. Magilavy DB, et al. **J Exp Med** 1987 Jul 1;166(1):271–6

Alpha–interferon enhances non–T cell cytotoxicity for autologous hepatocytes in acute and chronic HBV infection. Mondelli M, et al. **J Hepatol** 1986;3 Suppl 2:S279–81

Liver cell damage caused by monoclonal antibody against an organ–specific membrane antigen in vivo and in vitro. Poralla T, et al. **J Hepatol** 1987 Jun;4(3):373–80

Further progress towards understanding hepatic sinusoidal cells. Summerfield JA, et al. **J Hepatol** 1986;3(3):413–8

Ligand–dependent redistribution of the IgA receptor on cultured rat hepatocytes and its disturbance by cytochalasin B. Gebhardt R, et al. **J Histochem Cytochem** 1987 Mar; 35(3):301–9

Electrophoretic resolution of two rat class I alloantigens expressed on (WF X F344)F1 liver cells in primary culture. Hunt JM, et al. **J Immunogenet** 1986 Oct–Dec; 13(5–6):415–24

Antigen presentation by liver sinusoidal lining cells after antigen exposure in vivo. Rubinstein D, et al. **J Immunol** 1987 Mar 1;138(5):1377–82

Non–A, non–B hepatitis related AN6520 Ag is a normal cellular protein mainly expressed in liver. II. Akatsuka T, et al. **J Med Virol** 1986 Sep;20(1):43–56

Detection of leptospiral antigen in the human liver and kidney using an immunoperoxidase staining procedure. Ferreira Alves VA, et al. **J Pathol** 1987 Feb;151(2):125–31

Identification by immunoblotting of three halothane–induced liver microsomal polypeptide antigens recognized by antibodies in sera from patients with halothane–associated hepatitis. Kenna JG, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):733–40

Antibodies to liver cytoplasmic protein complex in chronic hepatic disease. Meliconi R, et al. **Lancet** 1987 Mar 21; 1(8534):683–4

Serological definition of new subgroup of patients with autoimmune chronic active hepatitis [letter] Stechemesser E, et al. **Lancet** 1987 Mar 21;1(8534):683

T–cell inducers of suppressor lymphocytes control liver–directed autoreactivity. Vento S, et al. **Lancet** 1987 Apr 18;1(8538):886–8

Sudden vascular death: the roles of the liver and anaphylaxis in sudden cerebro or cardiovascular infarction. Neufeld WP. **Med Hypotheses** 1986 Sep;21(1):43–60 (131 ref.)

Liver–specific expression of a Qa–encoded class I gene is associated with DNA hypomethylation. Miyada CG, et al. **Mol Cell Biol** 1986 Jan;6(1):315–7

Characterization of natural cytotoxic effector cells isolated from rat liver. Leung KH, et al. **Nat Immun Cell Growth Regul** 1987;6(3):150–60

Human pancreatic cell surface antigens with homologous expression in liver, sweat glands, and other exocrine tissues. Shienvold FL, et al. **Pancreas** 1986;1(5):385–96

Suppression of in vitro antibody production by dimethylnitrosamine in mixed cultures of mouse primary hepatocytes and mouse splenocytes. Kim DH, et al. **Toxicol Appl Pharmacol** 1987 Jan;87(1):32–42

Class II antigen induction in the regenerating liver of rats after partial hepatectomy. Jonjić S, et al. **Transplantation** 1987 Jul;44(1):165–8

Bulk purification of a naturally occurring soluble form of RT1–A class I major histocompatibility complex antigens from DA rat liver, and studies of specific immunosuppression. Spencer SC, et al. **Transplantation** 1987 Jul;44(1):141–8

[Tissue markers of hepatitis B virus: useful indicators in the etiologic diagnosis of chronic alcoholic and non–alcoholic liver disease] Cuccurullo L, et al. **Recenti Prog Med** 1986 Sep;77(9):397–400 (Eng. Abstr.) **(Ita)**

[Relationship between hepatitis B virus DNA, HBeAg/anti–HBe status in the serum and HBcAg in the liver. Its clinical significance in chronic HBsAg carriers] Nakamura M. **Nippon Shokakibyo Gakkai Zasshi** 1987 Jan; 84(1):45–51 (Eng. Abstr.) **(Jpn)**

[Characterization of human liver–specific antigen 1 (HLSA1) defined by the murine monoclonal antibody H2] Saito H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Mar; 84(3):675–83 (Eng. Abstr.) **(Jpn)**

[Studies on experimentally induced acute hepatic failure in mice. Characteristics of the hepatocytotoxic factors released from the activated liver adherent cells] Tsutsui H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jun; 83(6):1161–7 (Eng. Abstr.) **(Jpn)**

[Clinical significance of the leukocyte migration inhibition reaction to human liver lipoprotein in children with chronic hepatitis and liver cirrhosis] Imbaeva AA, et al. **Pediatriia** 1986 Nov;(11):39–41 (Eng. Abstr.) **(Rus)**

[Use of the immunofluorescence method for determining hepatitis B antigens in liver tissue] Evdokimova TV, et al. **Vrach Delo** 1986 Sep;(9):114–7 (Eng. Abstr.) **(Rus)**

INJURIES

Nonoperative treatment of blunt trauma to liver and spleen. Andersson R, et al. **Acta Chir Scand** 1986 Dec;152:739–41

The diagnosis of acute acalculous cholecystitis: a comparison of sonography, scintigraphy, and CT. Mirvis SE, et al. **AJR** 1986 Dec;147(6):1171–5

Patterns of liver injury in childhood: CT analysis. Stalker HP, et al. **AJR** 1986 Dec;147(6):1199–205

Sequential changes of extracellular matrix and proliferation of Ito cells with enhanced expression of desmin and actin in focal hepatic injury. Ogawa K, et al. **Am J Pathol** 1986 Dec;125(3):611–9

Fluid resuscitation following liver laceration: a comparison of fluid delivery above and below the diaphragm in a pediatric animal model. Fleisher G, et al. **Ann Emerg Med** 1987 Feb;16(2):147–52

Management of 1000 consecutive cases of hepatic trauma (1979–1984). Feliciano DV, et al. **Ann Surg** 1986 Oct; 204(4):438–45

Atrial caval shunting in blunt hepatic vascular injury. Rovito PF. **Ann Surg** 1987 Mar;205(3):318–21

Injuries to the liver. Calne RY. **Br J Hosp Med** 1986 Sep; 36(3):166–73

Radiological investigation of liver trauma. Michell MJ, et al. **Br J Hosp Med** 1986 Sep;36(3):174–7

Non–operative management of penetrating liver injuries: a prospective study. Demetriades D, et al. **Br J Surg** 1986 Sep;73(9):736–7

Ventriculo–peritoneal shunt procedure complicated by liver capsule perforation. A case report. Wolbers JG, et al. **Clin Neurol Neurosurg** 1987;89(1):55–7

Liver trauma with bile leakage detected by hepatobiliary scintigraphy. Itoh H, et al. **Clin Nucl Med** 1987 Jan; 12(1):72–3

Demonstration of post–traumatic bile leak using technetium–99m DISIDA. Savitch I, et al. **Clin Nucl Med** 1986 Dec;11(12):873–4

The value of hepatic imaging in the management of blunt abdominal trauma. Canose J, et al. **Conn Med** 1987 Jan; 51(1):7–9

Neuroleptic malignant syndrome as a possible postoperative complication: a case report. Kuhn WF, et al. **Gen Hosp Psychiatry** 1987 May;9(3):179–81

Alteration in aminotransferase levels in rats after acute hepatic injury. Mizrahi S, et al. **Isr J Med Sci** 1987 Mar; 23(3):188–92

Pirprofen–associated hepatic injury. De Herder WW, et al. **J Hepatol** 1987 Feb;4(1):127–32

The management of major wounds of the liver. Ihekwaba FN. **J R Coll Surg Edinb** 1987 Apr;32(2):88–93

Treatment of a complex hepatic injury. Lowry K Jr, et al. **J Tenn Med Assoc** 1987 Mar;80(3):138

Liver replacement after massive hepatic trauma. Esquivel CO, et al. **J Trauma** 1987 Jul;27(7):800–2

Hepatic trauma: to drain or not to drain? Gillmore D, et al. **J Trauma** 1987 Aug;27(8):898–902

Short–term and long–term changes in hepatic function in 60 patients with blunt liver injury. Kaku N. **J Trauma** 1987 Jun;27(6):607–14

Biomechanics of liver injury by steering wheel loading. Lau IV, et al. **J Trauma** 1987 Mar;27(3):225–35

The effect of intraportal six–hydroxy–dopamine on hemorrhage after standardized liver trauma in rats. Lindfeldt J, et al. **J Trauma** 1987 Mar;27(3):312–4

The use of narcotic augmentation of cholescintigraphy for detection of liver lacerations. Weisman I, et al. **Minn Med** 1987 Jul;70(7):403–4

Gauze packing for hepatic injury. Indeck M, et al. **Pa Med** 1986 Oct;89(10):56–7

An animal model for the study of hemorrhagic shock from abdominal trauma in children. Fleisher GR, et al. **Pediatr Emerg Care** 1987 Mar;3(1):18–21

Treatment of blunt hepatic injuries: role of CT. Foley WD, et al. **Radiology** 1987 Sep;164(3):635–8

Balloon tamponade for transfixing lesions of the liver. Morimoto RY, et al. **Surg Gynecol Obstet** 1987 Jan; 164(1):87–8

Therapeutic ultrasound and the liver in vivo: action and possible mechanisms. Saad AH, et al. **Ultrasound Med Biol** 1986 Nov;12(11):855–63

[Repair of a suprahepaticocaval injury under extracorporeal circulation] Malledant Y, et al. **Ann Fr Anesth Reanim** 1986; 5(5):547–9 (Eng. Abstr.) **(Fre)**

[Injuries to the liver. Study of 54 cases] Giuliano F, et al. **J Chir (Paris)** 1987 Feb;124(2):103–7 (Eng. Abstr.) **(Fre)**

[Demonstration of a traumatic bronchobiliary fistula by cholescintigraphy with 99m technetium–EHIDA] Haddad M, et al. **J Radiol** 1986 Apr;67(4):345–7 (Eng. Abstr.) **(Fre)**

[Value of external transcystic biliary drainage in severe liver injuries (letter)] Feneyrou B, et al. **Presse Med** 1987 Mar 7;16(8):403 **(Fre)**

[Post–traumatic hemobilia. Is selective hepatic artery ligation dangerous?] Yandza T, et al. **Presse Med** 1987 Jun 27; 16(25):1227–9 (Eng. Abstr.) **(Fre)**

[Bilhemia—a review of diagnosis and therapy] Blum M, et al. **Chirurg** 1987 Jul;58(7):482–6 (Eng. Abstr.) **(Ger)**

[A rare bile duct injury] Hausmann F, et al. **Zentralbl Chir** 1987;112(5):327–9 **(Ger)**

[Is hypopotassemia an early indicator of traumatic liver injury?] Pampolini M, et al. **Minerva Chir** 1987 Apr 15; 42(7):655–8 (Eng. Abstr.) **(Ita)**

[Right atrial rupture combined with hepatic rupture caused by blunt chest trauma] Ueno T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Aug;34(8):1189–93 (Eng. Abstr.) **(Jpn)**

[Treatment of post–traumatic hemobilia by arterial embolization] Rasslan S, et al. **Rev Paul Med** 1986 May–Jun;104(3):156–60 (Eng. Abstr.) **(Por)**

[Use of the CO2–laser to arrest bleeding and hermetically seal wounds of the kidney and liver] Polianskii VK, et al. **Khirurgiia (Mosk)** 1987 May;(5):78–81 (Eng. Abstr.) **(Rus)**

[Use of the ligamentum teres in surgery for liver injuries] Dubovikov GV. **Klin Khir** 1986;(9):77–8 **(Rus)**

[Current aspects of the diagnosis and treatment of closed liver injury and its complications] Shalimov SA, et al. **Klin Khir** 1987;(4):19–21 (Eng. Abstr.) **(Rus)**

[Extraperitoneal rupture of the neck and partial avulsion of the gallbladder from the liver in blunt abdominal trauma] Abdulzhavadov IM. **Vestn Khir** 1986 Oct;137(10):76–7 **(Rus)**

[A rare form of internal hernia] Baĭmyshev ES, et al. **Vestn Khir** 1986 Sep;137(9):81–2 **(Rus)**

[Posttraumatic hemobilia in closed central rupture of the liver] Ushakov ND, et al. **Vestn Khir** 1987 Jan;138(1):108–9 **(Rus)**

[Surgical treatment of liver injuries] Potić D, et al. **Srp Arh Celok Lek** 1986 Jul;114(7):657–64 (Eng. Abstr.) **(Scc)**

[Prognostic factors and complications in hepatic injuries] Martín Benito J, et al. **Rev Esp Enferm Apar Dig** 1987 Jul; 72(1):51–6 (Eng. Abstr.) **(Spa)**

INNERVATION

A light and electron microscopic examination of the vagal hepatic branch of the rat. Prechtl JC, et al. **Anat Embryol (Berl)** 1987;176(1):115–26

Mechanism of action of sympathetic hepatic nerves on carbohydrate metabolism in perfused rat liver. Beckh K, et al. **Biol Chem Hoppe Seyler** 1987 Apr;368(4):379–86

Control of glucose balance in the perfused rat liver by the parasympathetic innervation. Gardemann A, et al. **Biol Chem Hoppe Seyler** 1986 Jul;367(7):559–66

Liquid sucrose and fructose intake in male and female liver

denervated rats. Bellinger LL, et al. **Brain Res Bull** 1986 Dec;17(6):835–46

Glucagon satiety: diurnal variation after hepatic branch vagotomy or intraportal alloxan. Weatherford SC, et al. **Brain Res Bull** 1986 Oct;17(4):545–9

The vagal contribution to the rat liver innervation: a demonstration with the cobalt impregnation method. Azanza MJ. **Comp Biochem Physiol [A]** 1987;86(2):275–9

Possible involvement of eicosanoids in the actions of sympathetic hepatic nerves on carbohydrate metabolism and hemodynamics in perfused rat liver. Iwai M, et al. **FEBS Lett** 1987 Aug 31;221(1):155–60

Evidence for a vagally mediated satiety signal derived from hepatic fatty acid oxidation. Langhans W, et al. **J Auton Nerv Syst** 1987 Jan;18(1):13–8

Hepatic sympathetic denervation potentiates glucagon-stimulated glycogenolysis and hyperinsulinaemia in the rat. Lindfeldt J, et al. **J Auton Nerv Syst** 1987 Jun; 19(3):211–7

Changes in water intake following hepatic vagotomy in young rats. Sakaguchi T, et al. **J Auton Nerv Syst** 1986 Nov;17(3):243–6

Enhancement of insulin and glucagon secretion by arginine after hepatic vagotomy. Tanaka K, et al. **Neurosci Lett** 1986 Dec 3;72(1):74–8

Arginine sensors in the hepato-portal system and their reflex effects on pancreatic efferents in the rat. Tanaka K, et al. **Neurosci Lett** 1986 Dec 3;72(1):69–73

Neural control and neurosensory functions of the liver. Anil MH, et al. **Proc Nutr Soc** 1987 Feb;46(1):125–33 (50 ref.)

Inhibition of para-nitrophenol extraction by stimulation of the hepatic nerves in the perfused rat liver. Beuers U, et al. **Toxicol Lett** 1986 Dec;34(2–3):247–52

[Sympathetic innervation of rabbit liver parenchyma and the effect of acupuncture during hemorrhagic shock] Wen S, et al. **Chen Tzu Yen Chiu** 1986;11(4):252–7 (Eng. Abstr.) **(Chi)**

[Regulation of liver metabolism and hemodynamics by the hepatic nerves] Jungermann K. **Z Gastroenterol** 1987 Apr; 25 Suppl 1:44–54 (Eng. Abstr.) **(Ger)**

[Effect of hepatic vagotomy on the function of the biliary tract and periarterial sympathectomy of the common hepatic artery as a countermeasure] Ariyoshi H. **Nippon Geka Hokan** 1986 Mar 1;55(2):346–57 (Eng. Abstr.) **(Jpn)**

[Evaluation of the functional state of the hepatocyte monooxygenase system in rats with damaged innervation of the liver] Mal'tseva IK, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):491–2 (Eng. Abstr.) **(Rus)**

METABOLISM

Metabolism of cysteine in Ehrlich ascites tumour, mouse skeletal muscles and liver. Ignacak J. **Acta Biochim Pol** 1986;33(3):169–78

Dolichol biosynthesis in rat liver peroxisomes. Appelkvist EL. **Acta Chem Scand [B]** 1987 Jan;41(1):73–5

Biosynthesis of sterols and dolichol in human hepatomas. Eggens I. **Acta Chem Scand [B]** 1987 Jan;41(1):67–9

Biosynthesis of ubiquinone in rat liver. Kalén A, et al. **Acta Chem Scand [B]** 1987 Jan;41(1):70–2

The effect of hemorrhagic stress on liver gluconeogenesis. An isolated rat liver perfusion study with three-carbon units as substrates. Boija PO, et al. **Acta Chir Scand** 1987 Apr;153( ):273–8

The effect of the omission of perfusate orthophosphate on lactate gluconeogenesis and Pi exchange in the perfused fasted rat liver. De Venanzi F, et al. **Acta Cient Venez** 1986;37(2):155–61

Sexual dimorphism and testosterone effects on liver epidermal growth factor receptors in mice. Alm J, et al. **Acta Endocrinol (Copenh)** 1986 Sep;113(1):140–4

Induction of prolactin receptors in the liver is more closely related to the growth-promoting than to the lactogenic potency of peptides. Norstedt G, et al. **Acta Endocrinol (Copenh)** 1987 Mar;114(3):350–6

Diminished hepatic triiodothyronine production in Gunn rats. Saltzman JR, et al. **Acta Endocrinol (Copenh)** 1986 Oct; 113(2):281–8

Effect of prolonged hydrocortisone administration on nucleic proteins of regenerating guinea-pig liver after partial hepatectomy. Grabowska-Bochenek R, et al. **Acta Med Pol** 1986;27(1–2):9–17

Effect of a single large dose of hydrocortisone on the proteins of subcellular fractions of guinea-pig liver regenerating after partial hepatectomy. Grabowska-Bochenek R, et al. **Acta Med Pol** 1986;27(1–2):1–7

Alteration in sulfobromphthalein hepatic storage capacity (S) in non-pregnant women previously affected with intrahepatic cholestasis of pregnancy (ICP). Frezza M, et al. **Acta Obstet Gynecol Scand** 1986;65(6):577–80

Inhibition by plant herb extracts of steroid bindings in uterus, liver and serum of the rabbit. Tamaya T, et al. **Acta Obstet Gyrecol Scand** 1986;65(8):839–42

Protein synthesis in Ito cells (fat-storing cells) of cultured liver tissues from CCL4-treated mice. A light and electron microscopic autoradiographic study. Enzan H. **Acta Pathol Jpn** 1987 Feb;37(2):225–30

Normorphine is the major metabolite of norcodeine in isolated rat hepatocytes. Bodd E, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Sep;59(3):252–3

The immunocytochemical demonstration of metallothionein in human liver and small intestine. Elmes ME, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:510–3

Levels of selenium in human and pig liver: a comparative study. Norheim G, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:174–6

Relationship between the increase in liver nuclear triiodothyronine-receptor sites and malic enzyme activation by dexamethasone. Recúpero AR, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(2):93–103

Transport and intracellular metabolism of the complexes of cortisol-asialotranscortin in the liver. Karásková H, et al. **Acta Univ Carol [Med] (Praha)** 1985;31(5–6):333–46

Proteins, nucleic acids and lipids of rat liver and spleen after experimental "chemical splenectomy" induced by intravenous injection of an ethyl palmitate emulsion. Kužela L, et al. **Acta Univ Carol [Med] (Praha)** 1985; 31(5–6):369–78

The course of healing of the inflammatory granuloma in rats after the application of tetrachlormethane and 6-azauridine. Nováková O, et al. **Acta Univ Carol [Med] (Praha)** 1985; 31(5–6):321–31

Regulation of hepatic ammonia metabolism: the intercellular glutamine cycle. Häussinger D. **Adv Enzyme Regul** 1986; 25:159–80

The lysosomal pathway of intracellular proteolysis in liver: regulation by amino acids. Mortimore GE, et al. **Adv Enzyme Regul** 1986;25:257–76

Control of phenylalanine and tyrosine metabolism by phosphorylation mechanisms. Pogson CI, et al. **Adv Enzyme Regul** 1986;25:309–27

Effect of hypoxia on the endoplasmic reticulum of mouse liver. Betts WF, et al. **Adv Exp Med Biol** 1986;200:425–7

Hormone-induced stimulation of phosphoribosylpyrophosphate and of purine synthesis in mouse liver in vivo. Boer P, et al. **Adv Exp Med Biol** 1986; 195 Pt B:633–7

Receptor-mediated clearance of tissue kallikreins by rat liver. Borges DR, et al. **Adv Exp Med Biol** 1986;198 Pt A:235–9

Drug interactions with macrolide antibiotics: specificity of pseudo-suicide inhibition and induction of cytochrome P-450. Dansette PM, et al. **Adv Exp Med Biol** 1986; 197:155–62

Structure and function of cytochrome P-450. Guengerich FP, et al. **Adv Exp Med Biol** 1986;197:83–94

Delivery and use of oxygen in the hepatic tissue assessed by organ-reflectance spectrophotometry. Hayashi N, et al. **Adv Exp Med Biol** 1986;200:113–7

Use of the chemiluminigenic probes luminol and lucigenin for the detection of active oxygen species in hepatic microsomes and in intact hepatocytes. Hildebrandt AG, et al. **Adv Exp Med Biol** 1986;197:971–80

Preservation of ATP in the perfused liver. Höper J, et al. **Adv Exp Med Biol** 1973;37A:371–5

Increase of amidophosphoribosyltransferase activity and phosphoribosylpyrophosphate concentration as the basis for increased de novo purine biosynthesis in the regenerating rat liver. Itakura M, et al. **Adv Exp Med Biol** 1986;195 Pt B:347–55

Mechanism of increased rate of de novo purine biosynthesis in rat liver after bilateral adrenalectomy. Itakura M, et al. **Adv Exp Med Biol** 1986;195 Pt B:337–45

Homeostasis of oxygen supply in liver and kidney. Kessler M, et al. **Adv Exp Med Biol** 1973;37A:351–60

The fate of 4-cyanoacetanilide in rats and mice: the mechanism of formation of a novel electrophilic metabolite. Logan CJ, et al. **Adv Exp Med Biol** 1986;197:749–53

Relationship between oxygen tension and oxygen uptake in the perfused rat liver. Meren H, et al. **Adv Exp Med Biol** 1986;200:467–76

Helenalin: mechanism of toxic action. Merrill J, et al. **Adv Exp Med Biol** 1986;197:891–6

Tissue PO2 levels in the liver of warm and cold rats artificially respired with different mixtures of O2 and CO2. Miller JA Jr, et al. **Adv Exp Med Biol** 1973;37A:361–70

Role of parenchymal versus non-parenchymal cells in the control of biologically reactive intermediates. Oesch F, et al. **Adv Exp Med Biol** 1986;197:53–61

Tissue distribution and covalent binding of [14C]1,1-dichloroethylene in mice: in vivo and in vitro studies. Okine LK, et al. **Adv Exp Med Biol** 1986; 197:903–10

Metabolism of purine nucleotide in the liver and kidney of castrated rats. Pizzichini M, et al. **Adv Exp Med Biol** 1986; 195 Pt B:377–80

Influence of hemoglobin concentration in perfusate and in blood on fluorescence of pyridine nucleotides (NADH and NADPH) of rat liver. Rahmer H, et al. **Adv Exp Med Biol** 1973;37A:377–82

Metabolism and carcinogenicity of nitrotoluenes. Rickert DE, et al. **Adv Exp Med Biol** 1986;197:563–71

Studies of oxygen supply of liver grafts. Thermann M, et al. **Adv Exp Med Biol** 1973;37A:383–8

The mechanism of insulin-induced increase of the rate of de novo purine biosynthesis in primary cultured rat hepatocytes. Tsuchiya M, et al. **Adv Exp Med Biol** 1986; 195 Pt B:623–31

In vitro degradation of pyrimidine bases: studies of rat liver dihydropyrimidine dehydrogenase. Tuchman M, et al. **Adv Exp Med Biol** 1986;195 Pt B:245–8

Effect of fructose on the concentration of phosphoribosylpyrophosphate in isolated hepatocytes. Vincent MF, et al. **Adv Exp Med Biol** 1986;195 Pt B:615–21

Reactive oxygen species formed in vitro and in cells: role of thiols (GSH). Model studies with xanthine oxidase and horseradish peroxidase. Wefers H, et al. **Adv Exp Med Biol** 1986;197:505–12

Effect of diethyl ether on the bioactivation, detoxification, and hepatotoxicity of acetaminophen in vitro and in vivo. Wells PG, et al. **Adv Exp Med Biol** 1986;197:707–15

The uptake of chylomicron remnants by the liver. Windler EE. **Adv Exp Med Biol** 1987;210:131–5

Causal relationship between a tumour growth and the changes in histamine metabolism in tissues of sarcoma-bearing rat. Kierska D, et al. **Agents Actions** 1987 Apr;20(3–4):314–6

Copper and zinc status during acute inflammation: studies on blood, liver and kidneys metal levels in normal and inflamed rats. Milanino R, et al. **Agents Actions** 1986 Nov; 19(3–4):215–23

The role of glucose and insulin in the effect of ethanol on protein synthesis in isolated rat hepatocytes. Wallin B, et al. **Alcohol Alcohol** 1987;22(3):219–26

Hepatic triacylglycerol accumulation induced by ethanol and carbon tetrachloride: interactions with essential fatty acids and prostaglandins. Cunnane SC. **Alcoholism (NY)** 1987 Feb;11(1):25–31 (96 ref.)

Hepatic protein synthetic activity in vivo after ethanol administration. Donohue TM Jr, et al. **Alcoholism (NY)** 1987 Feb;11(1):80–6

The effect of ethanol on the beta-oxidation of fatty acids. Grunnet N, et al. **Alcoholism (NY)** 1986;10(6 Suppl):64S–68S

The deuterium isotope effect on ethanol metabolism in perfused rat liver: effect of reversed perfusion on ethanol and oxygen uptake. Lundquist F, et al. **Alcoholism (NY)** 1986;10(6 Suppl):69S–72S

Degradation of acetaldehyde produced by the nonalcohol dehydrogenase pathway. Yasuhara M, et al. **Alcoholism (NY)** 1986 Oct;10(5):545–9

In vitro studies of lipid metabolism in human liver. Angelin B, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):482–7

Nutrition and biogenesis of plasma lipoproteins in nonhuman primates. Getz GS, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):440–5

Kinetic characteristics and mechanisms of regulation of receptor-dependent and receptor-independent LDL transport in the liver of different animal species and humans. Meddings JB, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):475–81

Mapping of the rat liver endothelial membrane with lectins and glycosylated ferritins. Irie S, et al. **Am J Anat** 1986 Nov;177(3):403–13

Transendothelial transport (transcytosis) of iron-transferrin complex in the rat liver. Kishimoto T, et al. **Am J Anat** 1987 Mar;178(3):241–9

Intestinal absorption, liver uptake, and excretion of 3H-folic acid in folic acid-deficient, alcohol-consuming nonhuman primates. Blocker DE, et al. **Am J Clin Nutr** 1987 Sep; 46(3):503–10

Pruritus of cholestasis is related to effects of bile salts on the liver, not the skin. Ghent CN. **Am J Gastroenterol** 1987 Feb;82(2):117–8

The reno-hepatic axis of blood pressure control: further studies. Muirhead EE, et al. **Am J Med Sci** 1987 Mar; 293(3):177–81

Type I and type III procollagen peptides during hepatic fibrogenesis. An immunohistochemical and ELISA serum study in the CCl4 rat model. Davis BH, et al. **Am J Pathol** 1987 Jan;126(1):137–47

Proton-stimulated Cl-HCO3 antiport by basolateral membrane vesicles of lobster hepatopancreas. Ahearn GA, et al. **Am J Physiol** 1987 May;252(5 Pt 2):R859–70

Water and nonelectrolyte permeability of isolated rat hepatocytes. Alpini G, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):C872–82

Effects of ion substitution on transport and choleretic effect of ouabain. Anwer MS. **Am J Physiol** 1987 Mar;252(3 Pt 1):G357–64

Underestimation of hepatic glucose production by radioactive and stable tracers. Argoud GM, et al. **Am J Physiol** 1987 May;252(5 Pt 1):E606–15

Greater taurodeoxycholate biotransformation during backward perfusion of rat liver. Baumgartner U, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):G431–5

Bile acid inhibition of taurocholate uptake by rat hepatocytes: role of OH groups. Bellentani S, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):G339–44

Hepatic splanchnic function in acutely hypoxemic humans at rest. Blackmon JR, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):R887–92

Hepatic heme and drug metabolism in rats with chronic mountain sickness. Bonkovsky HL, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):G467–74

Hepatic taurine transport: a Na+-dependent carrier on the basolateral plasma membrane. Bucuvalas JC, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):G351–8

Role of acidosis in regulating hepatic nitrogen metabolism during fasting in conscious dog. Cersosimo E, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):E313–9

First-pass hepatic extraction and metabolic effects of insulin and insulin analogues. Chap Z, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):E209–17

Coordinate regulation of zinc metabolism and metallothionein gene expression in rats. Cousins RJ, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):E688–94

Rat liver free cytosolic Ca2+ and glycogen phosphorylase in endotoxicosis and sepsis. Deaciuc IV, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):R984–95

Mechanisms involved in ketone body release by rat liver cells: influence of pH and bicarbonate. Fafournoux P, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):G200–8

Intracellular chloride activity in intact rat liver: relationship to membrane potential and bile flow. Fitz JG, et al. **Am J Physiol** 1987 May;252(5 Pt 1):G699–706

Nervous control of glycogenolysis and blood flow in arterially and portally perfused liver. Gardemann A, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):E238–45

Influence of phenobarbital on the hepatic handling of [3H]vitamin D3 in the dog. Gascon-Barré M, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):G627–35

Glucagon increases hepatic oxygen supply–demand ratio in pigs. Gelman S, et al. **Am J Physiol** 1987 May;252(5 Pt 1):G648–53

Alterations in protein transport events in rat liver after estrogen treatment. Goldsmith MA, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):G195–200

Age-associated alterations in hepatic beta-adrenergic receptor/adenylate cyclase complex. Graham SM, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):E277–82

Identification of high-affinity calmodulin-binding proteins in rat liver. Hanley RM, et al. **Am J Physiol** 1987 Mar; 252(3 Pt 1):C277–84

Pregnancy-induced insulin resistance in liver and skeletal muscles of the conscious rabbit. Hauguel S, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):E165–9

Na–H exchange regulates intracellular pH in isolated rat hepatocyte couplets. Henderson RM, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):G109–13

Nuclear triiodothyronine receptor binding characteristics and occupancy in obese (ob/ob) mice. Hillgartner FB, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):E414–9

Multispecific anion exchange in basolateral (sinusoidal) rat liver plasma membrane vesicles. Hugentobler G, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):G656–64

Regulation of albumin synthesis by hormones and amino acids in primary cultures of rat hepatocytes. Hutson SM, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):E291–8

Secretion and degradation of insulin and glucagon in carbon tetrachloride–induced liver injury rats. Ikeda T, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):E660–3

Increased rate of purine biosynthesis in rat liver after bilateral adrenalectomy. Itakura M, et al. **Am J Physiol** 1986 Oct; 251(4 Pt 1):E373–8

Increased rate of de novo purine synthesis and its mechanism in regenerating rat liver. Itakura M, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):G585–90

Characterization of glutamine transport by liver plasma membrane vesicles. Jacob R, et al. **Am J Physiol** 1986 Nov; 251(5 Pt 1):E509–14

Hormonal regulation of hepatic glycogenolysis in the carp, Cyprinus carpio. Janssens PA, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):R653–60

Associations between transports of alanine and cations across cell membrane in rat hepatocytes. Kristensen LO. **Am J Physiol** 1986 Nov;251(5 Pt 1):G575–84 (96 ref.)

Plasma glucose concentration determines direct versus indirect liver glycogen synthesis. Lang CH, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):E584–90

Selective suppression of hepatic glucose output by human proinsulin in the dog. Lavelle-Jones M, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):E230–6

Changes in plasma albumin concentration, synthesis rate, and mRNA level during acute inflammation. Liao WS, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):C928–34

Stimulation of albumin gene transcription by insulin in primary cultures of rat hepatocytes. Lloyd CE, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):C205–14

A decline in myocardial and hepatic norepinephrine turnover with age in Fischer 344 rats. Mazzeo RS, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):E762–4

Hepatic function in rats after spaceflight: effects on lipids, glycogen, and enzymes. Merrill AH Jr, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R222–6

Sodium-independent, bicuculline-sensitive [3H]GABA binding to isolated rat hepatocytes. Minuk GY, et al. **Am J Physiol** 1987 May;252(5 Pt 1):G642–7

Pulsatile hyperglucagonemia fails to increase hepatic glucose production in normal man. Paolisso G, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):E1–7

Alanine uptake by liver at midpregnancy in rats. Pastor-Anglada M, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):E408–13

Studies of gut and hepatic metabolism in conscious rabbits. Pere MC, et al. **Am J Physiol** 1987 May;252(5 Pt 1):E573–80

Altered hepatic vasopressin and alpha 1-adrenergic receptors after chronic endotoxin infusion. Roth BL, et al. **Am J Physiol** 1987 May;252(5 Pt 1):E699–702

Clearance of human platelet factor 4 by liver and kidney: its alteration by heparin. Rucinski B, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):H800–7

Taurocholate uptake by isolated skate hepatocytes: effect of albumin. Smith DJ, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):G479–84

IP3-dependent Ca2+ release in permeabilized hepatocytes of endotoxemic and septic rats. Spitzer JA, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):E130–4

Sexual dimorphism in adrenergic regulation of hepatic glycogenolysis. Studer RK. **Am J Physiol** 1987 Apr;252(4 Pt 1):E467–76

Taurocholate transport and Na+-K+-ATPase activity in fetal and neonatal rat liver plasma membrane vesicles. Suchy FJ, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):G665–73

Effects of alanine on malate-aspartate shuttle in perfused livers from cold-exposed rats. Sugano T, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):E385–92

Uptake and processing of glycoproteins by rat hepatic mannose receptor. Taylor ME, et al. **Am J Physiol** 1987 May;252(5 Pt 1):E690–8

Liver glycogenolysis during exercise in adrenodemedullated male and female rats. Winder WW, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):R1151–5

Involvement of calmodulin-calcium complex in regulation of O2 uptake in regions of the liver lobule. Yoshihara H, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):G383–9

Liver cell membrane solubilization may control maximum secretory rate of cholic acid in the rat. Yousef IM, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):G84–91

Sulfamethazine blood/tissue correlation study in swine. Ashworth RB, et al. **Am J Vet Res** 1986 Dec; 47(12):2596–603

Acute changes in pancreatic insulin secretion and hepatic glucose kinetics in endotoxemic miniature pigs. Fettman MJ, et al. **Am J Vet Res** 1987 May;48(5):855–61

Quantitative study of tissue collagen metabolism. Takahashi S, et al. **Anal Biochem** 1987 May 1;162(2):553–61

Halogenated anesthetics increase oxygen consumption in isolated hepatocytes from phenobarbital-treated rats. Becker GL, et al. **Anesthesiology** 1987 Aug;67(2):185–90

Hepatic oxygen supply and consumption in rats exposed to thiopental, halothane, enflurane, and isoflurane in the presence of hypoxia. Matsumoto N, et al. **Anesthesiology** 1987 Mar;66(3):337–43

Temporal relation between a hepatic erythropoietic factor and the site of rat erythropoietin production. Dornfest BS, et al. **Ann Clin Lab Sci** 1986 Sep-Oct;16(5):412–8

Modulation of fatty acid synthesis in vivo in brown adipose tissue, liver and white adipose tissue of cold-acclimated rats. Goubern M, et al. **Ann Nutr Metab** 1986;30(6):380–5

Response of muscle, liver and whole-body protein turnover to two different sources of protein in growing rats. Martinez JA, et al. **Ann Nutr Metab** 1987;31(3):146–53

Comparative metabolism of erucic and oleic acid in hepatocytes from rats fed partially hydrogenated marine oil or palm oil. Rønneberg R, et al. **Ann Nutr Metab** 1987; 31(3):160–9

Effects of feeding high-fat diets to rats: metabolism of erucic acid (C 22:1 n-9) in the perfused liver and secretion of metabolites to the perfusate. Rønneberg R, et al. **Ann Nutr Metab** 1986;30(6):345–56

Hepatic cholesterogenesis and cholesterol 7 alpha-hydroxylase activity in hamsters fed diets enriched with pectins and/or cholesterol. Sablé-Amplis R, et al. **Ann Nutr Metab** 1987;31(1):61–8

Effect of dietary methionine, arginine and ornithine on the metabolism and accumulation of polyamines, S-adenosylmethionine and macromolecules in rat liver and skeletal muscle. Smith TK, et al. **Ann Nutr Metab** 1987; 31(3):133–45

Tissue-specific expression of hepatic functions. Genetic aspects. Chin AC, et al. **Ann NY Acad Sci** 1986;478:120–30

Effects of ethanol on rat placental and fetal hepatocyte transport of amino acids. Henderson GI, et al. **Ann NY Acad Sci** 1987;492:224–32

Effects of ethanol on calcium homeostasis in rat hepatocytes and its interaction with the phosphoinositide-dependent pathway of signal transduction. Hoek JB. **Ann NY Acad Sci** 1987;492:212–23

Electron-probe X ray microanalysis of in situ calcium and other ion movements in muscle and liver. Somlyo AV, et al. **Ann NY Acad Sci** 1986;483:229–40

The functional implications of acetaldehyde binding to cell constituents. Sorrell MF, et al. **Ann NY Acad Sci** 1987; 492:50–62

Coordinate regulation of rat liver genes by thyroid hormone and dietary carbohydrate. Tao TY, et al. **Ann NY Acad Sci** 1986;478:20–30

Subcellular localization of acetaldehyde oxidation in liver. Weiner H. **Ann NY Acad Sci** 1987;492:25–34

Urea and glucose formation in ovine liver after ammonia and lactate loading in vivo. Barej W, et al. **Ann Rech Vet** 1987;18(1):29–34

From dietary glucose to liver glycogen: the full circle round. McGarry JD, et al. **Annu Rev Nutr** 1987;7:51–73 (76 ref.)

Effect of N-phosphonacetyl-L-aspartate and D-glucosamine on the incorporation of 5-fluorouridine into normal tissues and an adenocarcinoma in the rat. Erichsen C, et al. **Anticancer Res** 1987 Jan-Feb;7(1):77–80

Experimental amyloidosis. Role of the hepatocytes and Kupffer cells in amyloid formation. Uchino F, et al. **Appl Pathol** 1985;3(1-2):78–87

Inability of glucagon to regulate glycogen metabolism in rat hepatocytes isolated after fasting and refeeding high-carbohydrate diets. Blair JB, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):250–9

Effect of W7 on Ca2+ uptake and Ca2+-ATPase activities of the endoplasmic reticulum of rat liver. Chan KM, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):472–9

Gluconeogenesis from serine in rabbit hepatocytes. Clary GL, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):48–55

Structure and function of the Ah receptor: sulfhydryl groups required for binding of 2,3,7,8-tetrachlorodibenzo-p-dioxin to cytosolic receptor from rodent livers. Denison MS, et al. **Arch Biochem Biophys** 1987 Feb 1;252(2):388–95

Inhibition of CA V decreases glucose synthesis from pyruvate. Dodgson SJ, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):198–204

Multiple constitutive but phenobarbital-inducible rat hepatic nuclear RNA species homologous to a novel cytochrome P-450 cDNA. Foldes RL, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):534–42

Integral membrane polypeptides of rat liver peroxisomes: topology and response to different metabolic states. Hartl FU, et al. **Arch Biochem Biophys** 1987 May 15; 255(1):109–19

Further characterization of the polycyclic aromatic hydrocarbon binding properties of the 4S protein. Houser WH, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):361–8

Metabolism of nicotinamide mononucleotide in beef liver. Imai T, et al. **Arch Biochem Biophys** 1987 Apr; 254(1):241–52

Characterization of the in vitro stability of the rat hepatic receptor for 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). Kester JE, et al. **Arch Biochem Biophys** 1987 Feb 1; 252(2):606–25

Effect of acute ethanol on serine biosynthesis in liver. LaBaume LB, et al. **Arch Biochem Biophys** 1987 Aug 1; 256(2):569–77

Quantitation of ketogenesis in periportal and pericentral regions of the liver lobule. Olson MJ, et al. **Arch Biochem Biophys** 1987 Feb 15;253(1):26–37

Relationship between cellular calcium and vitamin E metabolism during protection against cell injury. Pascoe GA, et al. **Arch Biochem Biophys** 1987 Mar;253(2):287–96

Vitamin E protection against chemical-induced cell injury. I. Maintenance of cellular protein thiols as a cytoprotective mechanism. Pascoe GA, et al. **Arch Biochem Biophys** 1987 Jul;256(1):150–8

A male specific hepatic estrogen binding protein: characteristics and binding properties. Rogerson BJ, et al. **Arch Biochem Biophys** 1986 Oct;250(1):70–85

Epidermal growth factor (urogastrone)-stimulated gluconeogenesis in isolated mouse hepatocytes. Soley M, et al. **Arch Biochem Biophys** 1987 May 15;255(1):136–46

Experiments on the biological activities of various fractions of the folic acid antagonist "X-methyl" folic acidStokstad EL, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):260–5

Binding of bile acids, oleic acid, and organic anions by rat and human hepatic Z protein. Takikawa H, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):385–92

2,3,7,8-Tetrachlorodibenzo-p-dioxin–induced lipid peroxidation in hepatic and extrahepatic tissues of male and female rats. Al-Bayati ZA, et al. **Arch Environ Contam Toxicol** 1987 Mar;16(2):159–66

Changes in plasma, liver, and ovary vitellogenin in landlocked Atlantic salmon following exposure to sublethal cyanide. Ruby SM, et al. **Arch Environ Contam Toxicol** 1987 Jul;16(4):507–10

Hepatic elimination kinetics of organic anions in rats: developmental aspects and influence of phenobarbital. Barth A, et al. **Arch Int Pharmacodyn Ther** 1986 Sep; 283(1):16–29

Influence of new estrogens on liver transport function in rats. Barth A, et al. **Arch Int Pharmacodyn Ther** 1986 Sep; 283(1):5–15

Induction of physical dependence by chronic alcohol treatment and enhancement of hepatic metabolism of 7-ethoxycoumarin and subsequent conjugation of its metabolite in perfused rat livers. Hong SS, et al. **Arch Int Pharmacodyn Ther** 1987 Feb;285(2):249–62

Liver- and muscle amino-acid concentrations during the development of domestic fowl. Pons A, et al. **Arch Int Physiol Biochim** 1986 Sep;94(3):179–86

Kinetics of glycosaminoglycan accumulation in the liver of rats with experimental carbon tetrachloride induced hepatic fibrosis. Kucharz EJ. **Arch Roum Pathol Exp Microbiol** 1986 Apr-Jun;45(2):129–36

The effect of indomethacin on muscle and liver protein synthesis and on whole-body protein degradation during abdominal sepsis in the rat. Freund HR, et al. **Arch Surg** 1986 Oct;121(10):1154–8

Macrophage-mediated modulation of hepatocyte protein synthesis. Effect of dexamethasone. Keller GA, et al. **Arch Surg** 1986 Oct;121(10):1199–205

Intra-arterial infusion of doxorubicin with degradable starch microspheres. Improvement of hepatic tumor drug uptake. Sigurdson ER, et al. **Arch Surg** 1986 Nov;121(11):1277–81

Hydrolysis of 4-methylumbelliferyl sulfate in periportal and pericentral areas of the liver lobule. Anundi I, et al. **Arch Toxicol** 1987;60(1-3):69–72

Studies on liver toxicants. Mixed-function oxidase activities and hemoprotein contents in livers of rats poisoned with bromobenzene. Beyhl FE, et al. **Arch Toxicol** 1987; 60(1-3):109–11

Cadmium, zinc and copper relationships in kidney and liver of humans exposed to environmental cadmium. Honda R, et al. **Arch Toxicol** 1987 Apr;59(6):437–42

The in vitro/in vivo comparative metabolism of 4-aminobiphenyl using isolated hepatocytes. Jatoe SD, et

al. **Arch Toxicol** 1987;60(1-3):65-8
Metabolic changes following oral exposure to tetrachloroethylene in subtoxic concentrations. Marth E. **Arch Toxicol** 1987 Jun;60(4):293-9
Comparison of benzo(a)pyrene metabolism in isolated perfused rat lung and liver. Mollière M, et al. **Arch Toxicol** 1987 Jun;60(4):270-7
Drug transport in intestine, liver and kidney. Schwenk M. **Arch Toxicol** 1987;60(1-3):37-42 (18 ref.)
Effect of clofibrate on DNA synthesis in rat liver and kidney. Seifert J, et al. **Arch Toxicol** 1987;60(1-3):131-2
Oxidative biotransformation in primary cultures of chick embryo hepatocytes: induction of cytochrome P-450 and the metabolism of benzo(a)pyrene. Topp RJ, et al. **Arch Toxicol** 1986 Oct;59(3):150-5
Combined radiolabelling distribution and covalent DNA-binding studies to discriminate between a carcinogen/noncarcinogen pair of monoazo dyes related to the hepatocarcinogen butter yellow (DAB). Dashwood RH, et al. **Arch Toxicol [Suppl]** 1987;11:99-101
Structure activity studies on the induction of peroxisomal enzyme activities by a series of phthalate monoesters in primary rat hepatocyte cultures. Lake BG, et al. **Arch Toxicol [Suppl]** 1986;9:386-9
Variables influencing DNA-binding in mouse liver. Neumann HG. **Arch Toxicol [Suppl]** 1987;10:180-9 (26 ref.)
Some aspects of cell defense mechanisms of glutathione and vitamin E during cell injury. Reed DJ, et al. **Arch Toxicol [Suppl]** 1987;11:34-8
Mutagen activation by hepatic fractions from conventional, germfree and monoassociated rats. Rowland IR, et al. **Arch Toxicol [Suppl]** 1987;11:261-3
Comparative study on the indirect methylation of liver DNA guanine by the 1-carbon pool in hepatotoxicity. Shank RC. **Arch Toxicol [Suppl]** 1987;10:204-16
A dynamic liver culture system: a tool for studying chemical biotransformation and toxicity. Sipes IG, et al. **Arch Toxicol [Suppl]** 1987;11:20-33
Enzymic deglycosylation of ricin lowers its uptake by rat liver non-parenchymal cells. Skilleter DN, et al. **Arch Toxicol [Suppl]** 1987;11:257-60
DNA damage and repair in mouse liver. Swenberg JA, et al. **Arch Toxicol [Suppl]** 1987;10:162-71 (50 ref.)
Synthesis and secretion of plasma cholesteryl ester transfer protein by human hepatocarcinoma cell line, HepG2. Faust RA, et al. **Arteriosclerosis** 1987 May-Jun;7(3):267-75
P-450 activity in monolayer cultures of hepatocytes seeded in polystyrene tissue culture dishes. Jauregui HO, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):357-9
The effects of polyoxyethylated cholesterol feeding on hepatic cholesterol synthesis and intestinal cholesterol absorption in rats. Amorosa LF, et al. **Atherosclerosis** 1987 Apr;64(2-3):117-23
HDL from type III dysbetalipoproteinaemic patients show decreased capacity to inhibit VLDL uptake in rat liver endothelial cells. Gustafson S, et al. **Atherosclerosis** 1986 Nov;62(2):145-9
Inhibition of hepatic triglyceride secretion and exogenous triglyceride clearance in the cholestatic rat. Komai K, et al. **Atherosclerosis** 1987 Apr;64(2-3):147-53
Influence of minor plant constituents on porcine hepatic lipid metabolism. Impact on serum lipids. Qureshi AA, et al. **Atherosclerosis** 1987 Apr;64(2-3):109-15
Metabolism of fluoroacetate in the skink (Tiliqua rugosa) and the rat (Rattus norvegicus). Twigg LE, et al. **Aust J Biol Sci** 1986;39(1):1-15
Effect of haemorrhage on hepatic glutathione concentration: an experimental study in the pig. Shi EC, et al. **Aust J Exp Biol Med Sci** 1986 Jun;64 (Pt 3):291-5
Rapid oxidative stress induced by N-nitrosamines. Ahotupa M, et al. **Biochem Biophys Res Commun** 1987 Aug 14; 146(3):1047-54
Ca2+ uptake stimulated by the synergistic action of glucagon and Ca2+-mobilizing agents in the perfused rat liver occurs through the activation of a unidirectional Ca2+ influx pathway. Altin JG, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):745-53
Identification of a fodrin-like protein in rat liver basolateral membranes. Amrein-Gloor M, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1033-7
Trans-stimulation and driving forces for GSH transport in sinusoidal membrane vesicles from rat liver. Aw TY, et al. **Biochem Biophys Res Commun** 1987 Feb 27; 143(1):377-82
Effect of chronic uremia on fructose 2,6-bisphosphate glycolytic and gluconeogenic enzymes in rat liver. Caro JF, et al. **Biochem Biophys Res Commun** 1987 Apr 14; 144(1):352-8
Chain-shortening of prostaglandin F2 alpha by rat liver peroxisomes. Diczfalusy U, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1206-13
Identification of A chain cleavage sites in intact insulin produced by insulin protease and isolated hepatocytes. Duckworth WC, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):615-21
A malonyl-CoA-binding protein from liver. Dugan RE, et al. **Biochem Biophys Res Commun** 1987 Aug 31; 147(1):234-41
Short-term control of the pentose phosphate cycle by insulin could be modulated by the NADPH/NADP ratio in rat adipocytes and hepatocytes. Fabregat I, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):920-5
Binding of apoA-IV-phospholipid complexes to plasma membranes of rat liver. Ghiselli G, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):122-8
Apocytochrome-c competes with pre-ornithine carbamoyl transferase for transport into mitochondria. González-Bosch C, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1318-23
Effect of actinomycin D on DNA replication and c-myc expression during rat liver regeneration. Horikawa S, et al. **Biochem Biophys Res Commun** 1987 Apr 29; 144(2):1049-54
Expression of c-myc oncogene in rat liver by a dietary manipulation. Horikawa S, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):574-80
Hepatocarcinogens induce decrease in mRNA transcripts of receptors for insulin and epidermal growth factor in the rat liver. Hwang DL, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):87-93
Liver endothelium desialates ceruloplasmin. Irie S, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):94-100
Emergence of beta adrenergic-responsive hepatic glycogenolysis in male rats during post-maturational aging. Katz MS, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):724-30
Aflatoxin B1-4-hydroxylase is associated with cytochrome P3-450 in C57BL/6 mouse liver. Koser PL, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):872-8
Neurotensin receptors on the rat liver plasma membranes. Muraki K, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1071-9
The relevance of glycosaminoglycan sulfates to Apo E induced lipid uptake by hepatocyte monolayers. Oswald B, et al. **Biochem Biophys Res Commun** 1986 Nov 26; 141(1):158-64
In vitro synthesis of apo-A-IV and apo-C by liver and intestinal mRNAs from lean and obese Zucker rats. Pessah M, et al. **Biochem Biophys Res Commun** 1987 Jan 15; 142(1):78-85
Variation in the molecular mass of the Ah receptor among vertebrate species and strains of rats. Poland A, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1439-49
Severe depletion in liver glutathione during physical exercise. Pyke S, et al. **Biochem Biophys Res Commun** 1986 Sep 30; 139(3):926-31
Inhibition of the binding of low density lipoproteins to liver membrane receptors by rat serum phosphorylcholine binding protein. Saxena U, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):151-7
Acetaldehyde-mediated hepatic lipid peroxidation: role of superoxide and ferritin. Shaw S, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):984-90
In vivo depletion of mannose receptor bearing cells from rat liver by ricin A chain: effects on clearance of beta-glucuronidase. Simmons BM, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):849-54
Clearance of acute-phase plasma proteins with no, high-mannose-, hybrid-, or complex type oligosaccharide side chains by the isolated perfused rat liver. Steube K, et al. **Biochem Biophys Res Commun** 1986 Dec 30; 141(3):949-55
Transforming growth factor beta inhibits DNA synthesis in hepatocytes isolated from normal and regenerating rat liver. Strain AJ, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):436-42
Hepatic DNA and RNA adduct formation from the carcinogen 7-hydroxymethyl-12-methylbenz[a]anthracene and its electrophilic sulfuric acid ester metabolite in preweanling rats and mice. Surh YJ, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):576-82
Isolation of a biotin receptor from hepatic plasma membranes. Vesely DL, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):913-6
Sequence of membrane-associated thyroid hormone binding protein from bovine liver: its identity with protein disulphide isomerase. Yamauchi K, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1485-92
Effects of phorone (diisopropylidene acetone), a glutathione (GSH) depletor, on hepatic enzymes involved in drug and heme metabolism in rats: evidence that phorone is a potent inducer of heme oxygenase. Yoshida T, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):502-8
The carbohydrate specificity of conglutinin and its homology to proteins in the hepatic lectin family. Young NM, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):645-51
Effects of prolonged ethanol feeding on methionine metabolism in rat liver. Barak AJ, et al. **Biochem Cell Biol** 1987 Mar;65(3):230-3
Actions of dietary orotic acid on liver synthesis of phosphatidylcholine and phosphatidylethanolamine in rats. Haines DS, et al. **Biochem Cell Biol** 1987 Feb;65(2):105-11
Interaction of hepatic asialoglycoprotein receptor with dimyristoyl phosphatidylcholine vesicles. Krebs A, et al. **Biochem Cell Biol** 1987 Jan;65(1):56-61
Receptors for epidermal growth factor (urogastrone) and insulin in primary cultures of rat hepatocytes maintained in serum-free medium. O'Connor-McCourt M, et al. **Biochem Cell Biol** 1986 Aug;64(8):803-10
Long-term distribution and metabolism of [1-14C]dolichol injected intravenously into rats. Rip JW, et al. **Biochem Cell Biol** 1986 Sep;64(9):886-90
Posthatching evolution of in vivo mevalonate metabolism in chick liver. Aguilera JA, et al. **Biochem Int** 1987 Feb; 14(2):375-83
Differences in glycerolipid synthesis and insulin regulation in rat hepatocytes and adipocytes. Casals C, et al. **Biochem Int** 1986 Sep;13(3):501-9
Stimulation by ethanol of triglyceride synthesis in fasted rat hepatocytes is dependent on the increase of glycerol 3-phosphate levels. Castro J, et al. **Biochem Int** 1987 Mar; 14(3):475-82
Intracellular aflatoxin B1-binding proteins in rat liver. Dirr HW, et al. **Biochem Int** 1987 Feb;14(2):297-302
Limited effects of recombinant human and murine interleukin 1 and tumour necrosis factor on production of acute phase proteins by cultured rat hepatocytes. Koj A, et al. **Biochem Int** 1987 Mar;14(3):553-60
Prostaglandin E1 binding protein on the surface of primary cultured hepatocytes. Okumura T, et al. **Biochem Int** 1987 Mar;14(3):443-9
Effect of polyethylene glycol on the in vitro production of L-lactate by rat liver under near physiological conditions. Rodríguez-Fernández JL, et al. **Biochem Int** 1987 Mar; 14(3):539-45
Mode of L-tryptophan uptake into rat hepatocytes via trypsin-sensitive high-affinity transport system. Saito K, et al. **Biochem Int** 1986 Nov;13(5):873-83
Distinct effects of transforming growth factor-beta on EGF receptors and EGF-induced DNA synthesis in primary cultured rat hepatocytes. Shiota K, et al. **Biochem Int** 1986 Nov;13(5):893-901
Inhibition of overall protein and RNA synthesis as a mechanism for the tunicamycin induced decrease in cytochrome P-450 in rat hepatocytes. Singh Y, et al. **Biochem Int** 1986 Aug;13(2):213-20
Digestion of repair sites in rat liver DNA by endogenous nucleases. Stewart BW, et al. **Biochem Int** 1986 Nov; 13(5):903-13
Effects of haematocrit value and glucagon on the metabolism of perfused rat liver. Storer GB, et al. **Biochem Int** 1986 Sep;13(3):417-24
The metabolic significance of pentose cycle measurements in perfused liver. Williams JF, et al. **Biochem Int** 1986 Aug; 13(2):321-33
Regulation of ketogenesis, gluconeogenesis and the mitochondrial redox state by dexamethasone in hepatocyte monolayer cultures. Agius L, et al. **Biochem J** 1986 Nov 1;239(3):593-601
The influx of Ca2+ induced by the administration of glucagon and Ca2+-mobilizing agents to the perfused rat liver could involve at least two separate pathways. Altin JG, et al. **Biochem J** 1987 Feb 15;242(1):43-50
Synergistic stimulation of Ca2+ uptake by glucagon and Ca2+-mobilizing hormones in the perfused rat liver. A role for mitochondria in long-term Ca2+ homoeostasis. Altin JG, et al. **Biochem J** 1986 Sep 15;238(3):653-61
Insulin stimulates tyrosine phosphorylation of its receptor beta-subunit in intact rat hepatocytes. Ballotti R, et al. **Biochem J** 1987 Jan 1;241(1):99-104
Guanine nucleotide regulation of [3H]vasopressin binding to liver plasma membranes and solubilized receptors. Evidence for the involvement of a guanine nucleotide regulatory protein. Bojanic D, et al. **Biochem J** 1986 Dec 1;240(2):361-5
Epidermal growth factor mimics insulin effects in rat hepatocytes. Bosch F, et al. **Biochem J** 1986 Nov 1; 239(3):523-30
Inhibition of oxidative metabolism by propionic acid and its reversal by carnitine in isolated rat hepatocytes. Brass EP, et al. **Biochem J** 1986 May 15;236(1):131-6
Glycogenolytic and haemodynamic responses to heat-aggregated immunoglobulin G and prostaglandin E2 in the perfused rat liver. Buxton DB, et al. **Biochem J** 1987 Apr 15;243(2):493-8
The content of pentose-cycle intermediates in liver in starved, fed ad libitum and meal-fed rats. Casazza JP, et al. **Biochem J** 1986 Jun 15;236(3):635-41
Antagonistic regulation of the glucose/glucose 6-phosphate cycle by insulin and glucagon in cultured hepatocytes. Christ B, et al. **Biochem J** 1986 Aug 15;238(1):185-91
Biochemical and functional characterization of the rat liver glucose-transport system. Comparisons with the adipocyte glucose-transport system. Ciaraldi TP, et al. **Biochem J** 1986 Nov 15;240(1):115-23
Glucagon and vasopressin interactions on Ca2+ movements in isolated hepatocytes. Combettes L, et al. **Biochem J** 1986 Aug 1;237(3):675-83
Effects of liver regeneration on tRNA contents and aminoacyl-tRNA synthetase activities and sedimentation patterns. Del Monte U, et al. **Biochem J** 1986 May 15; 236(1):163-9
N-alkylation of exogenous haem analogues caused by drugs in isolated hepatocytes. Structural isomerism and chirality of the resulting porphyrins. De Matteis F, et al. **Biochem J** 1986 Aug 15;238(1):263-8
Inhibition of hepatic gluconeogenesis by the Rp-diastereomer of adenosine cyclic 3',5'-phosphorothioate. Dragland-Meserve CJ, et al. **Biochem J** 1986 Jul 15; 237(2):463-8
Interaction of Trypanosoma cruzi adenylate cyclase with liver regulatory factors. Eisenschlos C, et al. **Biochem J** 1986 May 15;236(1):185-91
The role of insulin in the modulation of glucagon-dependent control of phenylalanine hydroxylation in isolated liver cells. Fisher MJ, et al. **Biochem J** 1987 Mar 15;

242(3):655–60
Insulin binding to cultured adult hepatocytes. Effects of bacitracin and chloroquine on the nature of cell-associated radioactivity. Fleig WE, et al. **Biochem J** 1986 Jul 1; 237(1):99–104
Effect of vitamin E- and selenium-deficiency on rat liver chemiluminescence. Fraga CG, et al. **Biochem J** 1987 Mar 1;242(2):383–6
The effects of low temperatures on intracellular transport of newly synthesized albumin and haptoglobin in rat hepatocytes. Fries E, et al. **Biochem J** 1986 Jul 1; 237(1):33–9
Induction of haem synthesis in Hep G2 human hepatoma cells by dimethyl sulphoxide. A transcriptionally activated event. Galbraith RA, et al. **Biochem J** 1986 Jul 15; 237(2):597–600
Incorporation and metabolism of exogenous GM1 ganglioside in rat liver. Ghidoni R, et al. **Biochem J** 1986 Jul 1; 237(1):147–55
Regulation of hepatic very-low-density lipoprotein secretion in rats fed on a diet high in unsaturated fat. Gibbons GF, et al. **Biochem J** 1987 Apr 15;243(2):487–92
Diurnal variations in the effects of an unsaturated-fat-containing diet on fatty acid and cholesterol synthesis in rat hepatocytes. Gibbons GF, et al. **Biochem J** 1986 Nov 1;239(3):617–23
Sustained oscillations in extracellular calcium concentrations upon hormonal stimulation of perfused rat liver. Graf P, et al. **Biochem J** 1987 Feb 1;241(3):933–6
The effect of urea synthesis on extracellular pH in isolated perfused rat liver. Häussinger D, et al. **Biochem J** 1986 May 15;236(1):261–5
The structure of the hepatic insulin receptor and insulin binding. Haynes FJ, et al. **Biochem J** 1986 Oct 1; 239(1):127–33
Inhibition of gluconeogenesis by hypoglycin in the rat. Evidence for inhibition of glucose-6-phosphatase in vivo. Hue L, et al. **Biochem J** 1986 Dec 15;240(3):765–9
Effects of vasopressin and La3+ on plasma-membrane Ca2+ inflow and Ca2+ disposition in isolated hepatocytes. Evidence that vasopressin inhibits Ca2+ disposition. Hughes BP, et al. **Biochem J** 1986 Sep 15;238(3):793–800
Interaction of unsaturated fatty acids with anti-oestrogen-binding sites. Hwang PL. **Biochem J** 1987 Apr 15;243(2):359–64
Quantitative estimation of transcellular and paracellular pathways of biliary sucrose in isolated perfused rat liver. Jaeschke H, et al. **Biochem J** 1987 Feb 1;241(3):635–40
Cystine transport in purified rat liver lysosomes. Jonas AJ. **Biochem J** 1986 Jun 15;236(3):671–7
1-Naphthylisothiocyanate-induced permeability of hepatic tight junctions to proteins. Kan KS, et al. **Biochem J** 1986 Sep 1;238(2):323–8
Comparison of calregulins from vertebrate livers. Khanna NC, et al. **Biochem J** 1987 Feb 15;242(1):245–51
The characteristics and site of inhibition of gluconeogenesis in rat liver cells by bacterial endotoxin. Stimulation of phosphofructokinase-1. Knowles RG, et al. **Biochem J** 1987 Mar 15;242(3):721–8
The role of sterol carrier protein2 and other hepatic lipid-binding proteins in bile-acid biosynthesis. Lidström-Olsson B, et al. **Biochem J** 1986 Sep 15; 238(3):879–84
The effect of fatty acids and starvation on the metabolism of gluconeogenic precursors by isolated sheep liver cells. Lomax MA, et al. **Biochem J** 1986 Nov 15;240(1):277–80
The role of prolactin and progesterone in the regulation of lipogenesis in maternal and foetal rat liver in vivo and in isolated hepatocytes during the last day of gestation. Lorenzo M, et al. **Biochem J** 1986 Oct 1;239(1):135–9
The ornithine requirement of urea synthesis. Formation of ornithine from glutamine in hepatocytes. Lund P, et al. **Biochem J** 1986 Nov 1,239(3):773–6
Properties of the canalicular bile acid transport system in rat liver. Meier PJ, et al. **Biochem J** 1987 Mar 1; 242(2):465–9
Variation in the amounts of hepatic copper, zinc and metallothionein mRNA during development in the rat. Mercer JF, et al. **Biochem J** 1986 Aug 15;238(1):23–7
A novel acyl-CoA-binding protein from bovine liver. Effect on fatty acid synthesis. Mogensen IB, et al. **Biochem J** 1987 Jan 1;241(1):189–92
Uptake and subcellular processing of 59Fe-125I-labelled transferrin by rat liver. Morgan EH, et al. **Biochem J** 1986 Jul 1;237(1):163–73
Short-term stimulation of Na+-dependent amino acid transport by dibutyryl cyclic AMP in hepatocytes. Characteristics and partial mechanism. Moule SK, et al. **Biochem J** 1987 Feb 1;241(3):737–43
Effects of weakly basic amines on proteolytic processing and terminal glycosylation of secretory proteins in cultured rat hepatocytes. Oda K, et al. **Biochem J** 1986 Dec 15; 240(3):739–45
The labelling of polyphosphoinositides with [32P]Pi and the accumulation of inositol phosphates in vasopressin-stimulated hepatocytes. Palmer S, et al. **Biochem J** 1986 Sep 1;238(2):491–9
Key role of L-alanine in the control of hepatic protein synthesis. Pérez-Sala D, et al. **Biochem J** 1987 Jan 15; 241(2):491–8
Rate-limiting steps for protein synthesis in isolated rat liver cells. Role of aspartate availability. Pérez-Sala D, et al. **Biochem J** 1987 Mar 1;242(2):485–92
Inhibition of intracellular protein degradation by ethanol in perfused rat liver. Pösö AR, et al. **Biochem J** 1987 Mar 1;242(2):459–64
Urea synthesis in freshly isolated and in cultured periportal and perivenous hepatocytes. Pösö AR, et al. **Biochem J** 1986 Oct 15;239(2):263–7
Biosynthesis of complement C1 inhibitor by Hep G2 cells. Reactivity of different glycosylated forms of the inhibitor with C1s. Prandini MH, et al. **Biochem J** 1986 Jul 1; 237(1):93–8
The mechanism of the hormonal activation of respiration in isolated hepatocytes and its importance in the regulation of gluconeogenesis. Quinlan PT, et al. **Biochem J** 1986 Jun 15;236(3):789–800
Dual-digitonin-pulse perfusion. Concurrent sampling of periportal and perivenous cytosol of rat liver for determination of metabolites and enzyme activities. Quistorff B, et al. **Biochem J** 1987 Apr 1;243(1):87–95
Effects of adrenalectomy on binding to and actions of adrenergic receptors. el-Refai MF, et al. **Biochem J** 1986 Jul 15;237(2):527–31
Characterization of the binding of human low-density lipoprotein to primary monolayer cultures of rat hepatocytes. Salter AM, et al. **Biochem J** 1986 Dec 1; 240(2):549–57
The role of haem in the regulation of rat liver tryptophan metabolism. Salter M, et al. **Biochem J** 1986 Nov 15; 240(1):259–63
Chloro-substituent sites and probability of co-planarity in polychlorinated biphenyls in determining uroporphyrin formation in cultured liver cells [letter] Sassa S, et al. **Biochem J** 1986 Dec 1;240(2):622–3
Altered interactions between lipogenesis and fatty acid oxidation in regenerating rat liver. Schofield PS, et al. **Biochem J** 1987 Jan 15;241(2):469–74
Studies on fatty acid-binding proteins. Changes in the concentration of hepatic fatty acid-binding protein during development in the rat. Sheridan M, et al. **Biochem J** 1987 Mar 15;242(3):919–22
Protein degradation in cat liver cells. Silva SV, et al. **Biochem J** 1986 Dec 15;240(3):843–6
Uroporphyrin accumulation produced by halogenated biphenyls in chick-embryo hepatocytes. Reversal of the accumulation by piperonyl butoxide. Sinclair PR, et al. **Biochem J** 1986 Jul 1;237(1):63–71
Cell-surface insulin receptor cycling and its implication in the glycogenic response in cultured foetal hepatocytes. Soubigou P, et al. **Biochem J** 1986 Nov 1;239(3):609–15
Adenine nucleotide metabolism in isolated chicken hepatocytes. Spychala J, et al. **Biochem J** 1987 Mar 1; 242(2):551–8
4 beta-Phorbol 12-myristate 13-acetate attenuates the glucagon-induced increase in cytoplasmic free Ca2+ concentration in isolated rat hepatocytes. Staddon JM, et al. **Biochem J** 1986 Sep 15;238(3):737–43
Formation of hexose 6-phosphates from lactate + pyruvate + glutamate by a cell-free system from rat liver. Stoecklin FB, et al. **Biochem J** 1986 May 15;236(1):61–70
Regulation of lysosomal fusion during deprivation-induced autophagy in perfused rat liver. Surmacz CA, et al. **Biochem J** 1987 Mar 1;242(2):453–8
Collagen metabolism in fibrotic liver. Effects of concanavalin A and aggregated myeloma immunoglobin G. Takahashi S, et al. **Biochem J** 1987 Jan 1;241(1):49–54
Metabolism of inositol 1,4,5-trisphosphate in guinea-pig hepatocytes. Tennes KA, et al. **Biochem J** 1987 Mar 15; 242(3):797–802
Early development of protein metabolic perturbations in the liver and skeletal muscle of tumour-bearing rats. A model system for cancer cachexia. Tessitore L, et al. **Biochem J** 1987 Jan 1;241(1):153–9
Chlorpromazine and carnitine-dependency of rat liver peroxisomal beta-oxidation of long-chain fatty acids. Vamecq J. **Biochem J** 1987 Feb 1;241(3):783–91
Warfarin poisoning and vitamin K antagonism in rat and human liver. Design of a system in vitro that mimics the situation in vivo. Wallin R, et al. **Biochem J** 1987 Jan 15; 241(2):389–96
The specificity of binding of growth hormone and prolactin to purified plasma membranes from pregnant-rabbit liver. Webb CF, et al. **Biochem J** 1986 Jun 15;236(3):657–63
Effects of glucagon and Ca2+ on the metabolism of phosphatidylinositol 4-phosphate and phosphatidylinositol 4,5-bisphosphate in isolated rat hepatocytes and plasma membranes. Whipps DE, et al. **Biochem J** 1987 Feb 1; 241(3):835–45
Studies on fatty acid-binding proteins. The diurnal variation shown by rat liver fatty acid-binding protein. Wilkinson TC, et al. **Biochem J** 1987 Mar 15;242(3):913–7
Studies on fatty acid-binding proteins. The detection and quantification of the protein from rat liver by using a fluorescent fatty acid analogue. Wilkinson TC, et al. **Biochem J** 1986 Sep 1;238(2):419–24
Structural studies on membrane-bound and soluble growth-hormone-binding proteins of rabbit liver. Ymer SI, et al. **Biochem J** 1987 Mar 15;242(3):713–20
Plasma and liver amino acids in rats after administration of ethanol or acetaldehyde. Farbiszewski R, et al. **Biochem Med Metab Biol** 1986 Oct;36(2):239–43
Transcription of liver ribosomal RNA: differential effect of 5-fluorouracil depending on the nutritional state of mice. Iapalucci-Espinoza S, et al. **Biochem Med Metab Biol** 1987 Jun;37(3):287–94
Prostaglandins: a possible mediator to inhibit hepatic drug metabolism in adjuvant arthritic rats. Ishizuki S, et al. **Biochem Med Metab Biol** 1986 Feb;35(1):40–9
Studies on the effect of inflammation on the acute phase response using rat liver slices. Janzen R, et al. **Biochem Med Metab Biol** 1987 Feb;37(1):87–95
Liver glycogen metabolism in endotoxin shock. II. Endotoxin administration increases glycogen phosphorylase activities in dog livers. Liu MS, et al. **Biochem Med Metab Biol** 1987 Feb;37(1):73–80
Liver glycogen metabolism in endotoxin shock. I. Endotoxin administration decreases glycogen synthase activities in dog livers. Liu MS, et al. **Biochem Med Metab Biol** 1987 Feb; 37(1):61–72
Hepatic oxalate production: the role of hydroxypyruvate. Rofe AM, et al. **Biochem Med Metab Biol** 1986 Oct; 36(2):141–50
Regulation of hepatic gluconeogenesis and glycogenolysis by phosphorylated glycerol and glycolytic intermediates in diabetic and control Chinese hamsters. Wapnir RA, et al. **Biochem Med Metab Biol** 1987 Apr;37(2):228–34
Spin trapping of free radical intermediates produced during the metabolism of isoniazid and iproniazid in isolated hepatocytes. Albano E, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):2913–20
A water-soluble derivative of prazosin prazosinamine hydrochloride [1-(4'-amino-6',7'-dimethoxyquinazolin-2'-yl)-4-(6''-aminohexanoyl) piperazine hydrochloride], reversibly inhibits the calcium-mobilizing action of alpha 1-adrenergic agonists in the perfused rat liver. Armarego WL, et al. **Biochem Pharmacol** 1987 May 15;36(10):1583–8
Immunochemical detection of acetaminophen-bound liver proteins. Bartolone JB, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1193–6
Formation and reduction of glutathione-protein mixed disulfides during oxidative stress. A study with isolated hepatocytes and menadione (2-methyl-1,4-naphthoquinone). Bellomo G, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1313–20
Uptake and localisation of haematoporphyrin derivative in normal rat liver. Carpanini BA, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2759–64
Increased stimulation of alkaline phosphatase by small doses of colchicine entrapped in liposomes. A biochemical test to detect effective liposome-hepatocyte interaction. Cerbon J, et al. **Biochem Pharmacol** 1986 Nov 1; 35(21):3799–803
Antipyrine metabolism in cultured rat hepatocytes. Chenery RJ, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):3077–81
Oxidative metabolism of carbon disulfide by isolated rat hepatocytes and microsomes. Chengelis CP, et al. **Biochem Pharmacol** 1987 Feb 1;36(3):363–8
The disposition of suramin in the isolated perfused rat liver. Coleman MD, et al. **Biochem Pharmacol** 1986 Oct 1; 35(19):3389–92
Testosterone metabolite profiles reveal differences in the spectrum of cytochrome P-450 isozymes induced by phenobarbitone, 2-acetylaminofluorene and 3-methylcholanthrene in the chick embryo liver. Darby NJ, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):4073–6
Influence of the sulphation inhibitor, 2,6-dichloro-4-nitrophenol, on the production and conjugation, of 4-hydroxybiphenyl generated from 4-methoxybiphenyl by rat isolated hepatocytes. Fry JR, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):3090–2
Metabolism of adriamycin in hepatocytes isolated from the rat and the rabbit. Gewirtz DA, et al. **Biochem Pharmacol** 1987 Jun 1;36(11):1793–8
Metabolism of the anthracycline antibiotic daunorubicin to daunorubicinol and deoxydaunorubicinol aglycone in hepatocytes isolated from the rat and the rabbit. Gewirtz DA, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):4059–64
Role of hepatic glutathione and glucocorticoids in the regulation of hepatic cholesterol 7 alpha-hydroxylase. Hassan AS. **Biochem Pharmacol** 1986 Dec 15;35(24):4592–4
Liver carbonic anhydrase and urea synthesis. The effect of diuretics. Häussinger D, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3317–22
Effects of adenosine and adenosine analogues on glycogen metabolism in isolated rat hepatocytes. Hoffer LJ, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4529–36
Inhibition of monosaccharide transport in the intact rat liver by stevioside. Ishii EL, et al. **Biochem Pharmacol** 1987 May 1;36(9):1417–33
Maintenance of nicotinamide dinucleotide phosphate content and oxidation-reduction state during mixed-function oxidation of p-nitroanisole in isolated perfused livers of various species. Kauffman FC, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):1083–90
Beta-adrenergic receptors in guinea-pig liver plasma membranes and thermal lability of [3H]dihydroalprenolol binding sites. Kawai Y, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4387–93
Action of carbamoylating agents on the uptake of metabolites in hepatomas and liver. Lea MA, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2775–81
Inhibition of liver endoplasmic reticulum calcium pump by CCl4 and release of a sequestered calcium pool. Long RM, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4131–7

An animal model of iron overload and its application to study hepatic ferritin iron mobilization by chelators. Longueville A, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3669–78

Effect of dexamethasone on cytochrome P-450 mediated metabolism of 2-acetylaminofluorene in cultured rat hepatocytes. McManus ME, et al. **Biochem Pharmacol** 1987 Jan 15;36(2):237–43

Uptake of persistent environmental chemicals by cultured human cells. Mangelsdorf I, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2071–8

Fate of the monoamine oxidase inhibitor pargyline in cultured hepatocytes. Mayne AM, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2289–95

Decreased hepatic elimination of pyrimethamine during malaria infection. Studies in the isolated perfused rat liver. Mihaly GW, et al. **Biochem Pharmacol** 1987 Sep 1; 36(17):2827–9

The effect of malaria infection on primaquine elimination in the isolated perfused rat liver. Mihaly GW, et al. **Biochem Pharmacol** 1987 Jan 15;36(2):225–8

Interrelation between thyroid state and the effect of glucagon on gluconeogenesis in perfused rat livers. Müller MJ, et al. **Biochem Pharmacol** 1987 May 15;36(10):1623–7

Morphine metabolism in isolated rat hepatocytes and its implications for hepatotoxicity. Nagamatsu K, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3543–8

Inactivation of the carcinogen, 5-hydroxymethylchrysene, by glutathione conjugation via a sulphate ester in hepatic cytosol. Okuda H, et al. **Biochem Pharmacol** 1986 Dec 15; 35(24):4573–6

Changes in methionine metabolism induced by D-galactosamine in isolated rat hepatocytes. Ozturk M, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4223–8

Metabolism of tamoxifen by isolated rat hepatocytes. Identification of 1-[4-(2-hydroxyethoxy)phenyl]-1-(4-hydroxyphenyl)-2-phenyl-1-butene and the dependence of N-oxidation on oxygen availability. Parr IB, et al. **Biochem Pharmacol** 1987 May 1;36(9):1513–9

Indomethacin and glucocorticoid metabolism in rat liver cytosol. Penning TM. **Biochem Pharmacol** 1986 Dec 1; 35(23):4203–9

A centrally-mediated effect of morphine to diminish hepatocellular glutathione. Roberts SM, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):3001–5

Measurements of in vivo hepatic halothane metabolism in rats using 19F NMR spectroscopy. Selinsky BS, et al. **Biochem Pharmacol** 1987 Feb 15;36(4):413–6

Effects of adenosine on glucuronidation and uridine diphosphate glucuronic acid (UDPGA) synthesis in isolated rat hepatocytes. Shipley LA, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):2993–3000

In vivo metabolism of 5-methoxy-N,N-dimethyltryptamine and N,N-dimethyltryptamine in the rat. Sitaram BR, et al. **Biochem Pharmacol** 1987 May 1;36(9):1509–12

Study of metabolism of psychotomimetic indolealkylamines by rat tissue extracts using liquid chromatography. Sitaram BR, et al. **Biochem Pharmacol** 1987 May 1;36(9):1503–8

Nitrofurazone disposition by perfused rat liver. Effect of dose size and glutathione depletion. Sorrentino D, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):915–8

Hepatic disposition of clinically useful 5-nitrofurans. Sorrentino D, et al. **Biochem Pharmacol** 1987 Sep 1; 36(17):2875–8

Metabolism and covalent binding of hexachlorobenzene by isolated male and female rat hepatocytes. Stewart FP, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2232–4

Influence of chronic alcohol consumption on hepatic heme and porphyrin metabolism. Teschke R, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):1133–8

Effects of sodium 2-[5-(4-chlorophenyl)pentyl]-oxirane-2-carboxylate (POCA) on intermediary metabolism in isolated rat-liver cells. Vaartjes WJ, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4267–72

The pharmacokinetics of (+)- and (-)-primaquine in the isolated perfused rat liver preparation. Ward SA, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2238–9

Influence of hypoxia on the metabolism and biliary excretion of trimetrexate by the isolated perfused rat liver. Webster LK, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4587–9

Regulation of cholesterol metabolism in the liver in vivo and in vitro. Cohen LH, et al. **Biochem Soc Trans** 1987 Jun; 15(3):339–40

Oxygen gradients: the problem of hypoxia. de Groot H, et al. **Biochem Soc Trans** 1987 Jun;15(3):363–5

Structural-functional organization of hepatic glutamine and ammonium metabolism. Häussinger D. **Biochem Soc Trans** 1987 Jun;15(3):369–72

Regulation of amino acid transport in rat hepatocytes. McGivan JD. **Biochem Soc Trans** 1986 Dec;14(6):995–9

Regulation of hepatic glutamine metabolism. Meijer AJ, et al. **Biochem Soc Trans** 1986 Dec;14(6):1001–4

Metabolism of retinol in the intestine and liver. Norum KR, et al. **Biochem Soc Trans** 1986 Oct;14(5):923–5

Regulation of the hepatic glycine-cleavage system. Olson MS, et al. **Biochem Soc Trans** 1986 Dec;14(6):1004–5

Methods in vitro for investigating the pathogenesis of alcoholic fatty liver disease in man. Peters TJ, et al. **Biochem Soc Trans** 1987 Jun;15(3):374–5

Regulation of hepatic aromatic amino acid metabolism. Pogson CI, et al. **Biochem Soc Trans** 1986 Dec; 14(6):999–1001

Digitonin perfusion in the study of metabolic zonation of the rat liver: potassium as an intracellular concentration reference. Quistorff B. **Biochem Soc Trans** 1987 Jun; 15(3):361–3

Delivery of liposome-associated drugs to liver cells. Scherphof GL, et al. **Biochem Soc Trans** 1987 Jun; 15(3):345–8

Compartmentalization of cholesterol in hepatic and intestinal cells: implications for bile and lipoprotein secretion. Stange EF. **Biochem Soc Trans** 1987 Apr;15(2):189–92 (46 ref.)

Resonance energy-transfer and fluorescence intensity studies of the transport of liposome-encapsulated molecules into isolated mouse liver nuclei. Arvinte T, et al. **Biochemistry** 1987 Feb 10;26(3):765–72

13C NMR study of effects of fasting and diabetes on the metabolism of pyruvate in the tricarboxylic acid cycle and the utilization of pyruvate and ethanol in lipogenesis in perfused rat liver. Cohen SM. **Biochemistry** 1987 Jan 27; 26(2):581–9

Effects of insulin on perfused liver from streptozotocin-diabetic and untreated rats: 13C NMR assay of pyruvate kinase flux. Cohen SM. **Biochemistry** 1987 Jan 27;26(2):573–80

13C and 31P NMR study of gluconeogenesis: utilization of 13C-labeled substrates by perfused liver from streptozotocin-diabetic and untreated rats. Cohen SM. **Biochemistry** 1987 Jan 27;26(2):563–72

Purification of a benzo[a]pyrene binding protein by affinity chromatography and photoaffinity labeling. Collins S, et al. **Biochemistry** 1986 Jul 29;25(15):4322–9

Chromatin structure of the cytochrome P-450c gene changes following induction. Einck L, et al. **Biochemistry** 1986 Nov 4;25(22):7062–8

Isolation and characterization of cDNA clones for cytochromes P-450 immunochemically related to rat hepatic P-450 form PB-1. Friedberg T, et al. **Biochemistry** 1986 Dec 2;25(24):7975–83

Rat liver glucocorticoid receptor isolated by affinity chromatography is not a Mg2+- or Ca2+-dependent protein kinase. Hapgood JP, et al. **Biochemistry** 1986 Nov 18;25(23):7529–34

Mobilization of hepatic calcium pools by platelet activating factor. Lapointe DS, et al. **Biochemistry** 1987 Mar 24; 26(6):1568–74

Preparation of a high-affinity photolabeling reagent for the Gal/GalNAc lectin of mammalian liver: demonstration of galactose-combining sites on each subunit of rabbit hepatic lectin. Lee RT, et al. **Biochemistry** 1986 Nov 4; 25(22):6835–41

N-ethylmaleimide uncouples the glucagon receptor from the regulatory component of adenylyl cyclase. Lipson KE, et al. **Biochemistry** 1986 Sep 23;25(19):5678–85

Partial reversal of alpha 2u globulin gene expression by thyroxine in the liver of diabetic rats. Murty CV, et al. **Biochemistry** 1986 Jul 29;25(15):4376–80

Metabolic pathways for ketone body production. 13C NMR spectroscopy of rat liver in vivo using 13C-multilabeled fatty acids. Pahl-Wostl C, et al. **Biochemistry** 1986 Nov 4;25(22):6799–807

Nonionic detergents increase the stoichiometry of ligand binding to the rat hepatic galactosyl receptor. Ray DA, et al. **Biochemistry** 1986 Oct 7;25(20):6097–103

Expression of cytochrome P-450 and albumin genes in rat liver: effect of xenobiotics. Satyabhama S, et al. **Biochemistry** 1986 Aug 12;25(16):4508–12

Effects of bovine pancreatic ribonuclease A, S protein, and S peptide on activation of purified rat hepatic glucocorticoid-receptor complexes. Schmidt TJ, et al. **Biochemistry** 1986 Oct 7;25(20):5955–61

Agonist interactions at hepatic alpha 1- and beta-adrenergic receptors: affinity-state regulation by guanine nucleotides and temperature. Schwarz KR, et al. **Biochemistry** 1986 Nov 18;25(23):7782–8

Human liver fibronectin complementary DNAs: identification of two different messenger RNAs possibly encoding the alpha and beta subunits of plasma fibronectin. Sekiguchi K, et al. **Biochemistry** 1986 Aug 26; 25(17):4936–41

A 59-kilodalton protein associated with progestin, estrogen, androgen, and glucocorticoid receptors. Tai PK, et al. **Biochemistry** 1986 Sep 9;25(18):5269–75

Transcriptional regulation by thyroid hormone of an mRNA homologous to a protease inhibitor. Tecce MF, et al. **Biochemistry** 1986 Sep 23;25(19):5831–4

Binding of N-linked bovine fetuin glycopeptides to isolated rabbit hepatocytes: Gal/GalNAc hepatic lectin discrimination between Gal beta(1,4)GlcNAc and Gal beta(1,3)GlcNAc in a triantennary structure. Townsend RR, et al. **Biochemistry** 1986 Sep 23;25(19):5716–25

Persistent and heritable structural damage induced in heterochromatic DNA from rat liver by N-nitrosodimethylamine. Ward EJ, et al. **Biochemistry** 1987 Mar 24;26(6):1709–17

Role for an episulfonium ion in S-(2-chloroethyl)-DL-cysteine-induced cytotoxicity and its reaction with glutathione. Webb WW, et al. **Biochemistry** 1987 Jun 2;26(11):3017–23

Transcriptional and posttranscriptional effects of dexamethasone on albumin and procollagen messenger RNAs in murine schistosomiasis. Weiner FR, et al. **Biochemistry** 1987 Mar 24;26(6):1557–62

Effect of growth hormone on protein phosphorylation in isolated rat hepatocytes. Yamada K, et al. **Biochemistry** 1987 Feb 10;26(3):715–21

Beta-oxidation of 2-ethyl-5-carboxypentyl phthalate in rodent liver. Albro PW, et al. **Biochim Biophys Acta** 1987 Feb 20;923(2):196–205

Influence of tauroursodeoxycholic and taurodeoxycholic acids on hepatic metabolism and biliary secretion of phosphatidylcholine in the isolated rat liver. Alvaro D, et al. **Biochim Biophys Acta** 1986 Sep 12;878(2):216–24

Early effect of myo-inositol deficiency on phosphatidylinositol metabolism in rat liver. Anderson LL, et al. **Biochim Biophys Acta** 1987 Feb 14;917(2):341–3

The uptake of the apoprotein and cholesteryl ester of high-density lipoproteins by the perfused rat liver. Arbeeny CM, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):9–17

Binding and degradation of 125I-glucagon by highly purified rat liver plasma membranes. Balage M, et al. **Biochim Biophys Acta** 1986 Oct 29;884(1):101–8

Interrelationship between aminopyrine oxidation and gluconeogenesis in hepatocytes prepared from fructose-pretreated mice. Bánhegyi G, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):406–16

Regulation of lipoprotein receptors on rat hepatomas in vivo. Barnard GF, et al. **Biochim Biophys Acta** 1986 Dec 5; 879(3):301–12

Catabolic properties of aglycofibrinogen synthesized by tunicamycin-treated human hepatoma (HepG2) cells and rabbit hepatocytes. Barsigian C, et al. **Biochim Biophys Acta** 1986 Oct 1;883(3):552–8

Stimulatory effect of glucose 6-phosphate on the non-mitochondrial Ca2+ uptake in permeabilized hepatocytes and Ca2+ release by inositol trisphosphate. Benedetti A, et al. **Biochim Biophys Acta** 1987 May 18; 928(3):282–6

Transport and distribution of alpha-tocopherol in lymph, serum and liver cells in rats. Bjørneboe A, et al. **Biochim Biophys Acta** 1986 Dec 19;889(3):310–5

Solubilization and reconstitution of hepatic System A-mediated amino acid transport. Preparation of proteoliposomes containing glucagon-stimulated transport activity. Bracy DS, et al. **Biochim Biophys Acta** 1987 May 12;899(1):51–8

Inhibition of glucagon-stimulated cAMP accumulation and fatty acid oxidation by E-series prostaglandins in isolated rat hepatocytes. Brass EP, et al. **Biochim Biophys Acta** 1987 Aug 19;930(1):122–6

Influence of lipid environment on insulin binding in cultured hepatoma cells. Bruneau C, et al. **Biochim Biophys Acta** 1987 May 18;928(3):287–96

Modifications of cellular lipids induce insulin resistance in cultured hepatoma cells. Bruneau C, et al. **Biochim Biophys Acta** 1987 May 18;928(3):297–304

Binding of acyl-CoA to liver fatty acid binding protein: effect on acyl-CoA synthesis. Burrier RE, et al. **Biochim Biophys Acta** 1987 Jun 23;919(3):221–30

Binding of lysophosphatidylcholine to the rat liver fatty acid binding protein. Burrier RE, et al. **Biochim Biophys Acta** 1986 Nov 14;879(2):229–39

Essential fatty acid uptake and esterification in primary culture of rat hepatocytes. Chambaz J, et al. **Biochim Biophys Acta** 1986 Oct 3;878(3):310–9

Mitochondrial and peroxisomal oxidation of arachidonic and eicosapentaenoic acid studied in isolated liver cells. Christensen E, et al. **Biochim Biophys Acta** 1986 Dec 5; 879(3):313–21

Is chemiluminescence an index of hepatic lipoperoxidation accompanying chloroform anesthesia? Cohen PJ, et al. **Biochim Biophys Acta** 1986 Dec 10;884(3):517–9

Eukaryotic initiation factor 2 from rat liver: no apparent function for the beta-subunit in the formation of initiation complexes [published errata appear in Biochim Biophys Acta 1987 Jan 28;908(1):107 and 1987 Feb 27;908(2):201] Colthurst DR, et al. **Biochim Biophys Acta** 1986 Oct 16; 868(1):77–86

The lysosomal H+ pump: 8-azido-ATP inhibition and the role of chloride in H+ transport. Cuppoletti J, et al. **Biochim Biophys Acta** 1987 May 29;899(2):276–84

Synthesis of subunits of ligandin by isolated hepatocytes. DasGupta A, et al. **Biochim Biophys Acta** 1987 Jun 15; 929(1):1–4

Subcellular distribution of alpha 1-adrenergic receptors in rat liver. Engfeldt P, et al. **Biochim Biophys Acta** 1987 May 18;928(3):349–55

Lipid-poor apolipoprotein A-I in Hep G2 cells: formation of lipid-rich particles by incubation with dimyristoylphosphatidylcholine. Forte TM, et al. **Biochim Biophys Acta** 1987 Aug 15;920(3):185–94

Glucagon receptor binding, dissociation and degradation in rat liver plasma membranes studied by a microperifusion method. Frandsen EK, et al. **Biochim Biophys Acta** 1987 Jun 15;929(1):74–80

Effects of surgical stress on the response of hepatic carnitine metabolism to 48 h starvation in the rat. French TJ, et al. **Biochim Biophys Acta** 1986 Oct 1;883(3):396–9

Temperature dependence of protein degradation, autophagic sequestration and mitochondrial sugar uptake in rat hepatocytes. Gordon PB, et al. **Biochim Biophys Acta** 1987 Jul 6;929(2):128–33

Oxygen concentration-dependent metabolism of leukotriene B4 by hepatocyte monolayers. Gut J, et al. **Biochim Biophys Acta** 1986 Sep 12;878(2):194–9

Sex-related differences in desaturation and chain elongation of essential fatty acids studied in isolated rat hepatocytes. Hagve TA, et al. **Biochim Biophys Acta** 1987 Jul 31; 920(2):149–54

In vitro effects of alpha-bromopalmitate on metabolism of essential fatty acids studied in isolated rat hepatocytes: sex differences. Hagve TA, et al. **Biochim Biophys Acta** 1987 Feb 14;917(2):333–6

Metabolic changes in lipids of rat plasma and hepatocytes induced by 17 alpha-ethynylestradiol treatment. Hayashi K, et al. **Biochim Biophys Acta** 1986 Nov 14;879(2):140–8

In vivo and in vitro adenosine stimulation of ethanol oxidation by hepatocytes, and the role of the malate-aspartate shuttle. Hernández-Muñoz R, et al. **Biochim Biophys Acta** 1987 Sep 14;930(2):254–63

Bile acid synthesis from HDL cholesterol and cholesterol ester by cultured chick embryo hepatocytes. Herscovitz H, et al. **Biochim Biophys Acta** 1986 Oct 3;878(3):426–34

Increased response to peroxisomal proliferators in starved rats. Hertz R, et al. **Biochim Biophys Acta** 1987 Jan 13; 917(1):57–61

Effect of extracellular Ca2+ on plasma membrane Ca2+ inflow and cytoplasmic free Ca2+ in isolated hepatocytes. Hughes BP, et al. **Biochim Biophys Acta** 1987 Apr 22; 928(2):208–16

Cell-density-dependent uptake of chylomicron remnants in rat hepatocyte monolayers. Effects of compactin and mevalonic acid. Jensen E, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):74–80

The effect of orally administered secondary autoxidation products of linoleic acid on the activity of detoxifying enzymes in the rat liver. Kanazawa K, et al. **Biochim Biophys Acta** 1986 Oct 24;879(1):36–43

Effect of streptozotocin-induced diabetes on epidermal growth factor receptors in rat liver plasma membrane. Kashimata M, et al. **Biochim Biophys Acta** 1987 Mar 19; 923(3):496–500

Effects of dietary nutrients on substrate and effector levels of lipogenic enzymes, and lipogenesis from tritiated water in rat liver. Katsurada A, et al. **Biochim Biophys Acta** 1986 Sep 12;878(2):200–8

Effect of insulin and glucagon on the uptake of carnitine by perfused rat liver. Kispal G, et al. **Biochim Biophys Acta** 1987 Jul 6;929(2):226–8

Enhanced uptake of carnitine by perfused rat liver following starvation. Kispal G, et al. **Biochim Biophys Acta** 1987 Jan 9;896(1):96–102

Effects of ursodeoxycholic acid, analogues of ursodeoxycholic acid and combination of bile acids on bile acid synthesis in cultured rat hepatocytes. Kubaska WM, et al. **Biochim Biophys Acta** 1987 Aug 15;920(3):195–204

Distribution of dietary trans-octadecenoate among acyl-CoA and other lipid fractions of rat liver and heart. Masuzawa Y, et al. **Biochim Biophys Acta** 1987 Jun 23;919(3):297–306

Differences between glucose and insulin stimulation of glycogenesis in cultured fetal hepatocytes. Menuelle P, et al. **Biochim Biophys Acta** 1987 May 18;928(3):332–40

Characterization of the specific binding of rat apolipoprotein E-deficient HDL to rat hepatic plasma membranes. Mitchel YB, et al. **Biochim Biophys Acta** 1987 Feb 14; 917(2):324–32

Quinidine and melittin both decrease the fluidity of liver plasma membranes and both inhibit hormone-stimulated adenylate cyclase activity. Needham L, et al. **Biochim Biophys Acta** 1987 May 12;899(1):44–50

Intracellular transport and degradation of chylomicron remnants in rat liver cells after in vivo endocytosis. Nenseter MS, et al. **Biochim Biophys Acta** 1987 Jun 15; 929(1):25–33

Eicosapentaenoic acid inhibits synthesis and secretion of triacylglycerols by cultured rat hepatocytes. Nossen JO, et al. **Biochim Biophys Acta** 1986 Oct 24;879(1):56–65

Transport of glucose and fructose in rat hepatocytes at 37 degrees C. Okuno Y, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):329–34

Regulation of gluconeogenesis from pyruvate and lactate in the isolated perfused rat liver. Patel TB, et al. **Biochim Biophys Acta** 1986 Oct 10;888(3):316–24

Measurement of sulfobromophthalein uptake in isolated rat hepatocytes by a direct spectrophotometric method. Persico M, et al. **Biochim Biophys Acta** 1987 Sep 14; 930(2):129–34

The effect of analogues of chymostatin on lysosomal and non-lysosomal components of protein degradation in isolated hepatocytes. Place GA, et al. **Biochim Biophys Acta** 1987 Aug 13;925(2):185–93

The kinetics of sulfobromophthalein uptake by rat liver sinusoidal vesicles. Potter BJ, et al. **Biochim Biophys Acta** 1987 Apr 9;898(2):159–71

Role of the liver for the receptor-mediated catabolism of low-density lipoprotein in the 17 alpha-ethinylestradiol-treated rat. Rudling MJ. **Biochim Biophys Acta** 1987 Jun 2;919(2):175–80

Metabolism of prostaglandins D2 and F2 alpha in primary cultures of rat hepatocytes. Sago T, et al. **Biochim Biophys Acta** 1986 Dec 5;879(3):330–8

Differential changes of nuclear-envelope-associated enzyme activities involved in nucleocytoplasmic mRNA transport in the developing rat brain and liver. Schröder HC, et al. **Biochim Biophys Acta** 1986 Nov 13;868(2–3):108–18

Composition and properties of very low density lipoproteins secreted by the perfused rat liver and subfractionated by affinity chromatography. Schroeder F, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):62–73

A differential effect between the acute and chronic administration of ethanol on the endocytotic rate constant, ke, for the internalisation of asialoglycoproteins by hepatocytes. Sharma RJ, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):199–204

Increase in hepatic low-density lipoprotein receptor activity during pregnancy in Watanabe heritable hyperlipidemic rabbits; an animal model for familial hypercholesterolemia. Shiomi M, et al. **Biochim Biophys Acta** 1987 Jan 13; 917(1):92–100

Activation of hydrazine derivatives to free radicals in the perfused rat liver: a spin-trapping study. Sinha BK. **Biochim Biophys Acta** 1987 May 19;924(2):261–9

Intrahepatic distribution of small unilamellar liposomes as a function of liposomal lipid composition. Spanjer HH, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):224–30

Photolabeling of protein components in the pactamycin binding site of rat liver ribosomes. Synetos D, et al. **Biochim Biophys Acta** 1986 Dec 18;868(4):249–53

Short-term diabetes increases triacylglycerol arachidonic acid content in the rat liver. Takahashi R, et al. **Biochim Biophys Acta** 1987 Sep 4;921(1):151–3

Saturation-transfer studies of ATP-Pi exchange in isolated perfused rat liver. Thoma WJ, et al. **Biochim Biophys Acta** 1987 Sep 10;893(2):225–31

Effects of vasopressin on the synthesis of phosphatidylethanolamines and phosphatidylcholines by isolated rat hepatocytes. Tijburg LB, et al. **Biochim Biophys Acta** 1987 May 13;919(1):49–57

Failure of insulin to stimulate lipogenesis and triacylglycerol secretion in perfused livers from rats adapted to dietary fish oil. Topping DL, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):423–8

The ability to convert the 4 S glucocorticoid receptor to the 7–8 S form is dependent on both RNA and protein factors. Tymoczko JL, et al. **Biochim Biophys Acta** 1987 Aug 19;930(1):114–21

Studies with chymotrypsin and RNAase showing a heterooligomeric structure of the glucocorticoid receptor complex from rat liver which is stabilized by a low molecular weight factor. Tymoczko JL, et al. **Biochim Biophys Acta** 1986 Oct 10;888(3):296–305

On the binding of dolichol by bovine liver supernatant. van Dessel G, et al. **Biochim Biophys Acta** 1986 Oct 3; 878(3):338–45

Purification and reconstitution of the bile acid transport system from hepatocyte sinusoidal plasma membranes. von Dippe P, et al. **Biochim Biophys Acta** 1986 Nov 17; 862(2):352–60

Studies on the peroxisomal oxidation of palmitate and lignocerate in rat liver. Wanders RJ, et al. **Biochim Biophys Acta** 1987 May 13;919(1):21–5

Comparison of bile acid binding to sinusoidal and bile canalicular membranes isolated from rat liver. Yachi K, et al. **Biochim Biophys Acta** 1987 Jul 10;901(1):15–22

Di(2-ethylhexyl)phthalate enhances hepatic phospholipid synthesis in rats. Yanagita T, et al. **Biochim Biophys Acta** 1987 May 13;919(1):64–70

Activation of latent RNAase by antibodies against rat liver RNAase inhibitor. Yasuna H, et al. **Biochim Biophys Acta** 1986 Nov 21;874(2):220–6

Binders of intravenously administered 65-zinc in rat liver cytoplasm. Stortenbeek AJ, et al. **Bioinorg Chem** 1976; 6(4):313–27

Urea synthesis and CO2/HCO3- compartmentation in isolated perfused rat liver. Häussinger D. **Biol Chem Hoppe Seyler** 1986 Aug;367(8):741–50

Effect of diabetes on the metabolism of chenodeoxycholic acid in isolated perfused rat liver. Ogura Y, et al. **Biol Chem Hoppe Seyler** 1987 Jul;368(7):813–7

Ketogenesis in the living rat followed by 13C-NMR spectroscopy. Infusion of [1,3-13C]octanoate. Pahl-Wostl C, et al. **Biol Chem Hoppe Seyler** 1987 Mar;368(3):205–14

Oligosialogangliosides inhibit GM2- and GD3-synthesis in isolated Golgi vesicles from rat liver. Yusuf HK, et al. **Biol Chem Hoppe Seyler** 1987 May;368(5):455–62

Effect of weaning on different diets on hepatic gluconeogenesis in the rat. Decaux JF, et al. **Biol Neonate** 1986;50(6):331–6

Contribution of hepatic fatty acid oxidation and exogenous galactose supply to the regulation of glucose homeostasis in the newborn rabbit. Pégorier JP, et al. **Biol Neonate** 1987;51(1):31–9

Alteration of erythrocytes by reduced species of oxygen generated in hypoxic rat liver during perfusion. Gerber G, et al. **Biomed Biochim Acta** 1987;46(2–3):S245–7

Perforated hepatocytes as a system for studying intracellular proteolysis. Grinde B, et al. **Biomed Biochim Acta** 1986; 45(11–12):1627–33

Radiolabelled sugars as probes of hepatocytic autophagy. Seglen PO, et al. **Biomed Biochim Acta** 1986; 45(11–12):1647–56

Specific incorporation of asialofetuin-labeled liposomes into hepatocytes through the action of galactose-binding protein. Hara T, et al. **Biopharm Drug Dispos** 1987 Jul-Aug; 8(4):327–39

Hormonal control of fructose 2,6-bisphosphate concentration and of phosphofructokinase 2 in the rat liver during development. Schubert C, et al. **Biosci Rep** 1986 Jun; 6(6):513–8

Isolation and expression of cDNA clones for a rat liver asialoglycoprotein receptor. Watts C. **Biosci Rep** 1986 Jun; 6(6):527–34

Biosynthesis of factor XIII B subunit by human hepatoma cell lines. Nagy JA, et al. **Blood** 1986 Dec;68(6):1272–9

Distribution of transferrin receptors in the cellular components of the liver [letter] Tavassoli M, et al. **Blood** 1987 Sep;70(3):887–9

Identification of normal human peripheral blood monocytes and liver as sites of synthesis of coagulation factor XIII a-chain. Weisberg LJ, et al. **Blood** 1987 Aug;70(2):579–82

In vivo influence of bendazac, (AF-983), a non-steroideal anti-inflammatory drug, on the Krebs cycle in rabbit liver. Dzodzoe Y. **Boll Chim Farm** 1986 Nov;125(11):379–83

Hepatobiliary disposition of vecuronium bromide in man. Bencini AF, et al. **Br J Anaesth** 1986 Sep;58(9):988–95

Interaction of isoflurane with the binding of drugs to proteins in serum and liver cell cytosol. An in vitro study. Dale O, et al. **Br J Anaesth** 1986 Sep;58(9):1022–6

Heat-shock proteins and mRNAs in liver and hepatoma. Bardella L, et al. **Br J Cancer** 1987 Jun;55(6):643–5

Pharmacokinetics of erythromycin in patients with severe cirrhosis. Respective influence of decreased serum binding and impaired liver metabolic capacity. Barre J, et al. **Br J Clin Pharmacol** 1987 Jun;23(6):753–7

Effects of partial hepatectomy on plasma fibronectin concentrations in the rat. Nilsson TK, et al. **Br J Exp Pathol** 1987 Jun;68(3):421–5

Relative contribution of cysteine and methionine to glutathione content and thyroid hormone levels in the rat. Suberville C, et al. **Br J Nutr** 1987 Jul;58(1):105–11

Suppression and potentiation of 5-hydroxytryptophan-induced hypoglycaemia by alpha-monofluoromethyldopa: correlation with the accumulation of 5-hydroxytryptamine in the liver. Endo Y. **Br J Pharmacol** 1987 Jan;90(1):161–5

Effects of repeated intravenous administration of haem arginate upon hepatic metabolism of foreign compounds in rats and dogs. Tokola O. **Br J Pharmacol** 1987 Apr; 90(4):661–8

Blood and liver acetaldehyde concentration in rats following acetaldehyde inhalation and intravenous and intragastric ethanol administration. Watanabe A, et al. **Bull Environ Contam Toxicol** 1986 Oct;37(4):513–6

Enzymatic detoxication of DDT to DDD by rat liver: effects of some inducers and inhibitors of cytochrome P-450 enzyme system. Zaidi SS, et al. **Bull Environ Contam Toxicol** 1987 Mar;38(3):449–55

Glucocorticoid-induced reduction of poly(ADP-ribose) synthesis in cultured hepatocytes from chick embryo. Kitamura A, et al. **Bull Osaka Med Sch** 1985 Jul;31(1):15–27

Glucocorticoid effect on intranuclear localization of poly(ADP-ribose) in chick embryo liver. Kitamura A, et al. **Bull Osaka Med Sch** 1984 Oct;30(2):67–72

Effects of dieldrin on hepatic carbohydrate metabolism in the suckling and adult rat. Fox GR, et al. **Can J Physiol Pharmacol** 1986 Jun;64(6):694–8

Uptake of the hormone 1,25-dihydroxyvitamin D3 by the dog liver. Gascon-Barré M, et al. **Can J Physiol Pharmacol** 1986 Jun;64(6):699–702

Effects of liver blood flow on hepatic uptake kinetics of galactose in anesthetized cats: parallel tube model. Greenway CV, et al. **Can J Physiol Pharmacol** 1987 Jun; 65(6):1193–9

Effects of dietary zinc and copper on free radical production in rat lung and liver. Kubow S, et al. **Can J Physiol Pharmacol** 1986 Oct;64(10):1281–5

The effect of insulin-induced hypoglycaemia on the secretion of glucagon and hepatic glucose production in pancreatectomized dogs. Lussier B, et al. **Can J Physiol Pharmacol** 1986 Nov;64(11):1440–2

Renal and hepatic glutathione pool modifications in response to depletion treatments. Rodriguez JV, et al. **Can J Physiol Pharmacol** 1987 Jan;65(1):84–6

Binding of [14,15-3H]14,15-dihydroforskolin to rat liver membranes: comparison with the stimulatory effect of forskolin on adenylate cyclase. Schmidt K, et al. **Can J Physiol Pharmacol** 1987 May;65(5):803–9

Transfer of newly made triglyceride from hepatocytes to preexisting extracellular very low density lipoproteins. Yoshino G, et al. **Can J Physiol Pharmacol** 1987 Mar; 65(3):337–43

Histochemical and ultrastructural study of copper-binding protein in hepatocellular carcinoma. Haratake J, et al. **Cancer** 1987 Sep 15;60(6):1269–74

Alteration of methotrexate metabolism in rats by administration of an elemental liquid diet. I. Changes in drug enterohepatic circulation. McAnena OJ, et al. **Cancer** 1987 Jan 1;59(1):31–7

Metabolic efficiency of the liver in patients with breast cancer as determined by pharmacokinetics of phenazone. Orzechowska-Juzwenko K, et al. **Cancer** 1987 May 1; 59(9):1607–10

Lipid peroxidation in liver and colon of methylazoxymethanol treated rats. Deschner EE, et al. **Cancer Biochem Biophys** 1986 Dec;9(1):25–9

Hepatic extraction, metabolism and biliary excretion of doxorubicin in the isolated perfused rat liver. Ballet F, et al. **Cancer Chemother Pharmacol** 1987;19(3):240–5

The influence of route of administration on the hepatic uptake of methotrexate. Balis FM, et al. **Cancer Drug Deliv** 1986 Fall;3(4):239–42

Distribution of a conjugate of 9-beta-D-arabinofuranosyladenine 5'-monophosphate (ara-AMP) with lactosaminated albumin in parenchymal and sinusoidal cells of rat liver. Fiume L, et al. **Cancer Drug Deliv** 1987 Spring;4(1):11-6

Persistent structural change in replicating hepatic DNA isolated from diethylnitrosamine-treated rats. Stewart BW, et al. **Cancer Lett** 1987 Jun;35(3):263-9

Covalent binding of benzo[a]pyrene to macromolecules in lung and liver of rats following intratracheal instillation. Weyand EH, et al. **Cancer Lett** 1987 Aug;36(2):149-59

Effects of neonatal and adult castration on the in vitro metabolism of steroids and xenobiotics in rat liver. Blanck A, et al. **Cancer Res** 1986 Oct;46(10):5072-6

Induction of heat shock gene expression without heat shock by hepatocarcinogens and during hepatic regeneration in rat liver. Carr BI, et al. **Cancer Res** 1986 Oct;46(10):5106-11

Role of fatty acyl coenzyme A oxidase in the efflux of oxidized glutathione from perfused livers of rats treated with the peroxisome proliferator nafenopin. Conway JG, et al. **Cancer Res** 1987 Sep 15;47(18):4795-800

Metabolism of mutagens and carcinogens in woodchuck liver and its relationship with hepatitis virus infection. De Flora S, et al. **Cancer Res** 1987 Aug 1;47(15):4052-8

Pharmacokinetics of hexamethylmelamine in intralipid following hepatic regional administration in rabbits. Gordon IL, et al. **Cancer Res** 1987 Oct 1;47(19):5070-3

Patterns of ligand binding to normal, regenerating, preneoplastic, and neoplastic rat hepatocytes. Harris L, et al. **Cancer Res** 1987 Aug 1;47(15):3954-8

Effect of 5-diazouracil on the catabolism of circulating pyrimidines in rat liver and kidneys. Holstege A, et al. **Cancer Res** 1986 Nov;46(11):5576-81

Species specificity in the metabolism of N-nitrosobis(2-oxopropyl)amine and N-nitroso(2-hydroxypropyl)(2-oxopropyl)amine to mutagens by isolated rat and hamster hepatocytes. Mangino MM, et al. **Cancer Res** 1987 Sep 15;47(18):4776-81

Disposition of homocysteine in rat hepatocytes and in nontransformed and malignant mouse embryo fibroblasts following exposure to inhibitors of S-adenosylhomocysteine catabolism. Svardal AM, et al. **Cancer Res** 1986 Oct;46(10):5095-100

Rat hepatocyte-mediated bacterial mutagenicity in relation to the carcinogenic potency of benz(a)anthracene, benzo(a)pyrene, and twenty-five methylated derivatives. Utesch D, et al. **Cancer Res** 1987 Mar 15;47(6):1509-15

Methylation of DNA guanine during the course of induction of liver cancer in hamsters by hydrazine or dimethylnitrosamine. Bosan WS, et al. **Carcinogenesis** 1987 Mar;8(3):439-44

Enhanced repair of O6-methylguanine in liver DNA of rats pretreated with phenobarbital, 2,3,7,8-tetrachlorodibenzo-p-dioxin, ethionine, or N-alkyl-N-nitrosoureas. Den Engelse L, et al. **Carcinogenesis** 1986 Dec;7(12):1941-7

The metabolism of N-nitrosobis(2-oxopropyl)amine by microsomes and hepatocytes from Fischer 344 rats. Farrelly JG, et al. **Carcinogenesis** 1987 Aug;8(8):1095-9

Identification and quantitation of hepatic DNA adducts formed in B6C3F1 mice from 1'-hydroxy-2',3'-dehydroestragole: comparison of the adducts detected with the 1'-3H-labelled carcinogen and by 32P-postlabelling. Fenneli TR, et al. **Carcinogenesis** 1986 Nov;7(11):1881-7

Covalent binding to DNA and mutagenicity of 2,4-diaminotoluene metabolites produced by isolated hepatocytes and 9000 g supernatant from Fischer 344 rats. Furlong BB, et al. **Carcinogenesis** 1987 Feb;8(2):247-51

Autoradiographic studies on in vivo covalent binding of N-hydroxy-2-acetylaminofluorene in rat liver containing gamma-glutamyltranspeptidase-positive foci. The effect of the sulfation-inhibitor pentachlorophenol. Kroese ED, et al. **Carcinogenesis** 1987 Apr;8(4):571-5

The effect of chronic methapyrilene treatment on methapyrilene metabolism in vitro. Lampe MA, et al. **Carcinogenesis** 1987 Feb;8(2):221-6

Metabolism and DNA binding of aflatoxicol and aflatoxin B1 in vivo and in isolated hepatocytes from rainbow trout (Salmo gairdneri). Loveland PM, et al. **Carcinogenesis** 1987 Aug;8(8):1065-70

Metabolism of benzo[a]pyrene in primary cultures of human hepatocytes: dose-response over a four-log range. Monteith DK, et al. **Carcinogenesis** 1987 Jul;8(7):983-8

Time-related binding of the hepatocarcinogen carbon tetrachloride to hepatic chromatin proteins in vitro. Oruambo IF, et al. **Carcinogenesis** 1987 Jun;8(6):855-6

32P-postlabeling analysis of DNA adduction in mice by synthetic metabolites of the environmental carcinogen, 7H-dibenzo[c,g]carbazole: chromatographic evidence for 3-hydroxy-7H-dibenzo[c,g]carbazole being a proximate genotoxicant in liver but not skin. Schurdak ME, et al. **Carcinogenesis** 1987 Apr;8(4):591-7

Metabolism of benzo[a]pyrene in the perfused rat liver: factors affecting the release of phenolic metabolites into the bile and perfusate. Sweeny DJ, et al. **Carcinogenesis** 1987 Jun;8(6):779-83

Tissue-specific in vitro transcription from the mouse albumin promoter. Gorski K, et al. **Cell** 1986 Dec 5;47(5):767-76

Calcium transport from blood into the bile in normal and regenerating rat liver. Bachs O, et al. **Cell Biochem Funct** 1987 Jan;5(1):37-46

Subcellular calmodulin distribution in rat liver after CCl4 poisoning. Barrera G, et al. **Cell Biochem Funct** 1987 Apr; 5(2):129-33

Immunohistochemical localization of albumin and in situ hybridization of albumin mRNA. Shroyer KR, et al. **Cell Biochem Funct** 1987 Jul;5(3):195-210

Relationship between melanin content and superoxide dismutase (SOD) activity in the liver of various species of animals. Sichel G, et al. **Cell Biochem Funct** 1987 Apr; 5(2):123-8

Phospholipids in chromatin: incorporation of [32P]O4(2-) in different subcellular fractions of hepatocytes. Viola-Magni MP, et al. **Cell Biochem Funct** 1986 Oct;4(4):283-8

Effects of glucocorticoids and cycloheximide upon transcription of ribosomal RNA gene in rat liver: application of quantitative S1 nuclease mapping analysis. Matsui H, et al. **Cell Biol Int Rep** 1987 Apr;11(4):273-7

Patterns of soluble cellular proteins during fetal rat hepatocyte development. Radford J, et al. **Cell Biol Int Rep** 1987 Jan;11(1):43-54

Divergent action of transforming growth factor beta on DNA synthesis in human foetal liver cells. Strain AJ, et al. **Cell Biol Int Rep** 1986 Nov;10(11):855-60

A comparison between 45Ca2+ and atomic absorption in calcium flux determinations in perfused rat liver. Kraus-Friedmann N. **Cell Calcium** 1987 Jun;8(3):241-5

Agonist-induced oscillations in cytoplasmic free calcium concentration in single rat hepatocytes. Woods NM, et al. **Cell Calcium** 1987 Feb;8(1):79-100

Quantitation of mitochondrial RNA species during rat liver development: the concentration of cytochrome oxidase subunit I (CoI) mRNA increases at birth. Cantatore P, et al. **Cell Differ** 1986 Sep;19(2):125-32

Influence of ornithine on albumin synthesis by fetal and neonatal hepatocytes maintained in culture. Lescoat G, et al. **Cell Differ** 1987 Jun;21(1):21-9

Purine catabolism in cafeteria-diet induced obesity in the rat. Gomez D, et al. **Cell Mol Biol** 1987;33(2):167-71

Kupffer cell stimulation of alpha 2-macroglobulin synthesis in rat hepatocytes and the role of glucocorticoid. Kurokawa S, et al. **Cell Struct Funct** 1987 Feb;12(1):35-42

Uptake of formalin-denaturated albumin by the sinus-lining cells of rat liver: an immunocytochemical and cytochemical study. Yokota S, et al. **Cell Struct Funct** 1987 Jun; 12(3):295-309

In vivo binding and uptake of low-density lipoprotein-gold- and albumin-gold conjugates by parenchymal and sinusoidal cells of the fetal rat liver. Franke H, et al. **Cell Tissue Res** 1987 Jul;249(1):221-6

Stellate cells storing retinol in the liver of adult lamprey, Lampetra japonica. Wake K, et al. **Cell Tissue Res** 1987 Aug;249(2):289-99

Functional relationship between initial oxidation of 7-ethoxycoumarin and subsequent conjugation of 7-hydroxycoumarin in isolated perfused rat livers. Cha YN, et al. **Chem Biol Interact** 1987 Feb;61(2):125-37

In vivo formation of sigma-methyl- and sigma-phenyl-ferric complexes of hemoglobin and liver-cytochrome P-450 upon treatment of rats with methyl- and phenylhydrazine. Delaforge M, et al. **Chem Biol Interact** 1986 Oct 15; 60(1):101-13

Increased stability of (+/-)-7 beta,8 alpha-dihydroxy-9 alpha,10 alpha-epoxy-7,8,9,10-tetrahydrobenzo [a]pyrene through interaction with subcellular fractions of rat liver. Dock L, et al. **Chem Biol Interact** 1987 Jan;61(1):31-44

Changes in hepatic dolichol and dolichyl monophosphate caused by treatment of rats with inducers of the endoplasmic reticulum and peroxisomes and during ontogeny. Edlund C, et al. **Chem Biol Interact** 1987; 62(2):191-208

Identification of nucleic acid adducts from trans-4-acetylaminostilbene. Franz R, et al. **Chem Biol Interact** 1986 Oct 1;59(3):281-93

An investigation of the metabolism of N-nitroso-N-methylaniline by phenobarbital- and pyrazole-induced Sprague-Dawley rat liver and esophagus derived S-9. Gold B, et al. **Chem Biol Interact** 1987 Mar; 61(3):215-28

Effects of inducers on the regio- and stereoselective metabolism of benzo[a]pyrene by mouse tissue microsomes. Hall M, et al. **Chem Biol Interact** 1986 Oct 1;59(3):265-80

Increased proliferative activity in selenium-deficient mouse liver. Otter R, et al. **Chem Biol Interact** 1986 Oct 1; 59(3):295-300

Studies on the uptake mechanism of liposomes by perfused rat liver. II. An indispensable factor for liver uptake in serum. Kiwada H, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar;35(3):1189-95

Spontaneous and enzymatic activations of carcinogenic N-butyl-N',N'-dimethyl-N-nitrosourea. Kohda K, et al. **Chem Pharm Bull (Tokyo)** 1986 Dec;34(12):5056-62

Effect of rhatannin on glutamine metabolism in rat liver. Nagasawa T, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul; 34(7):2937-43

Inhibition of gluconeogenesis by salicylate and 5-methoxysalicylate in liver of normal and alloxan-diabetic rats. Nishihata T, et al. **Chem Pharm Bull (Tokyo)** 1986 Dec;34(12):5086-92

Effects of isoniazid and its metabolites on phenytoin biotransformation in isolated rat hepatocytes. Noda H, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan;35(1):277-81

Formation of aliphatic aldehydes in rat plasma and liver due to vitamin E deficiency. Yoshino K, et al. **Chem Pharm Bull (Tokyo)** 1986 Dec;34(12):5184-7

Effect of mechanical ventilation on hepatic drug pharmacokinetics. Richard C, et al. **Chest** 1986 Dec; 90(6):837-41

Exogenous ATP and carbohydrate metabolism in the rat liver. Lee JW, et al. **Circ Shock** 1987;22(3):205-19

Protein and energy metabolism in liver tissue following intravenous infusion of live E. coli bacteria in rats. Pedersen P, et al. **Circ Shock** 1987;21(1):59-64

Effect of single and repeated scalding on adenine nucleotides concentration in rat liver. Savić JD, et al. **Circ Shock** 1987; 21(2):141-8

Parenteral nutrition: short term effects on hepatic clearance of sodium taurocholate and indocyanine green. Fabri PJ, et al. **Clin Biochem** 1987 Feb;20(1):57-60

Peroxisomal beta-oxidation of palmitoyl-CoA in human liver homogenates and its deficiency in the cerebro-hepato-renal (Zellweger) syndrome. Wanders RJ, et al. **Clin Chim Acta** 1986 Aug 30;159(1):1-10

Antipyrine clearance in congenital adrenal hyperplasia. Loche S, et al. **Clin Endocrinol (Oxf)** 1986 Sep;25(3):233-9

High-affinity aldosterone binding in rat liver--a re-evaluation. Zaini A, et al. **Clin Exp Pharmacol Physiol** 1987 Jan;14(1):39-45

Hepatic reticuloendothelial system activation in autoimmune mice: differences between (NZB X NZW)F1 and MRL-lpr/lpr strains. Magilavy DB, et al. **Clin Immunol Immunopathol** 1987 Mar;42(3):386-98

Simultaneous administration of multiple model substrates to assess hepatic drug clearance. Crom WR, et al. **Clin Pharmacol Ther** 1987 Jun;41(6):645-50

Food effects on propranolol systemic and oral clearance: support for a blood flow hypothesis. Olanoff LS, et al. **Clin Pharmacol Ther** 1986 Oct;40(4):408-14

Hepatic drug clearance in children with leukemia: changes in clearance of model substrates during remission-induction therapy. Relling MV, et al. **Clin Pharmacol Ther** 1987 Jun; 41(6):651-60

Effect of cirrhosis and debrisoquin phenotype on the disposition and effects of pinacidil. Shaheen O, et al. **Clin Pharmacol Ther** 1986 Dec;40(6):650-5

Time course of changes in hepatic metabolism in response to sepsis in the rat: impairment of gluconeogenesis and ketogenesis in vitro. de Vasconcelos PR, et al. **Clin Sci** 1987 Jun;72(6):683-91

Palmitic acid oxidation and incorporation into triglyceride by needle liver biopsy specimens from control subjects and patients with alcoholic fatty liver disease. Leung NW, et al. **Clin Sci** 1986 Sep;71(3):253-60

Carrier-mediated efflux of ketone bodies in isolated rat hepatocytes. Metcalfe HK, et al. **Clin Sci** 1986 Dec; 71(6):755-61

Effects of variation of the tri-iodothyronine/reverse triiodothyronine ratio in vivo on the metabolic characteristics of subsequently isolated hepatocytes. Al-Saadi A, et al. **Clin Sci** 1987 Apr;72(4):511-3

Fatty acid synthesis in vitro by liver tissue from control subjects and patients with alcoholic liver disease. Venkatesan S, et al. **Clin Sci** 1986 Dec;71(6):723-8

Superoxide anion production and degranulation of rat neutrophils in response to acetaldehyde-altered liver cell membranes. Williams AJ, et al. **Clin Sci** 1986 Sep; 71(3):313-8

Effect of dietary carbohydrate source on soluble protein glucose concentration and enzyme activity (aldolase) of European eels (Anguilla anguilla L.). Degani G. **Comp Biochem Physiol [A]** 1987;87(1):27-30

Tissue glycogen and lactate handling by the developing domestic fowl. García FJ, et al. **Comp Biochem Physiol [A]** 1986;85(1):155-9

Avian hepatic T3 generation by 5'-monodeiodination: characterization of two enzymatic pathways and the effects of goitrogens. McNabb FM, et al. **Comp Biochem Physiol [A]** 1986;85(2):249-55

The kinetics of calcium influx into rat liver slices. Nassar CF, et al. **Comp Biochem Physiol [A]** 1986;85(2):229-32

Effects of two-thirds hepatectomy on sulfobromophthalein handling by the rat liver. Oleaga A, et al. **Comp Biochem Physiol [A]** 1987;87(1):13-9

Interaction of the organic anion 1-aniline 8-naphthalene sulfonate (ANS) with isolated rat hepatocytes. Agüero RM, et al. **Comp Biochem Physiol [B]** 1987;86(1):7-10

Acyl coenzyme A:retinol acyltransferase activity and the vitamin A content of polar bear (Ursus maritimus) liver. Ball MD, et al. **Comp Biochem Physiol [B]** 1986;84(4):513-7

Hepatic 3 alpha-dehydrogenation and 7 alpha-hydroxylation of deoxycholic acid in the guinea-pig. Cantafora A, et al. **Comp Biochem Physiol [B]** 1986;85(4):805-10

Metabolite and enzyme contents of freeze-clamped liver of the marine fish Stenotomus chrysops. Cornell NW, et al. **Comp Biochem Physiol [B]** 1986;85(3):669-74

Propionate metabolism and its regulation by fatty acids in ovine hepatocytes. Faulkner A, et al. **Comp Biochem Physiol [B]** 1986;84(4):559-63

The acute phase response to inflammation: the role of monokines in changes in liver glycoproteins and enzymes of glycoprotein metabolism. Jamieson JC, et al. **Comp Biochem Physiol [B]** 1987;87(1):11-5 (48 ref.)

Diurnal rhythms in liver carbohydrate metabolism. Comparative aspects and critical review. Kaminsky YG, et al. **Comp Biochem Physiol [B]** 1987;86(4):763-84 (153

ref.)
Orotate uptake and metabolism in normal and neoplastic tissues. Lea MA, et al. **Comp Biochem Physiol [B]** 1987; 86(3):581–6
Effect of protein starvation on protein turnover in liver, oviduct and whole body of laying hens. Muramatsu T, et al. **Comp Biochem Physiol [B]** 1987;87(2):227–32
Hormonal effects and the control of gluconeogenesis from sorbitol, xylitol and glycerol in perfused chicken liver. Niwa H, et al. **Comp Biochem Physiol [B]** 1986;85(4):739–45
Reduced synthesis and rapid esterification of cholesterol in the liver of hamsters with spontaneous hypercholesterolemia. Sablé-Amplis R, et al. **Comp Biochem Physiol [B]** 1987;86(4):725–9
Adenosine-5-monophosphate catabolism in frog liver. Spychala J, et al. **Comp Biochem Physiol [B]** 1987; 87(3):481–3
The role of adipose and hepatic tissues in the lipogenesis of the dog. Stangassinger M, et al. **Comp Biochem Physiol [B]** 1986;85(1):67–9
Dieldrin transformation to photodieldrin in liver and kidney of broiler. Gallego-Iniesta M, et al. **Comp Biochem Physiol [C]** 1987;86(1):121–4
Metabolism of copper and zinc in the liver and bone of the perinatal guinea-pig. Lui EM. **Comp Biochem Physiol [C]** 1987;86(1):173–83
The uptake and storage of iron and lead in cells of the crayfish (Orconectes propinquus) hepatopancreas and antennal gland. Roldan BM, et al. **Comp Biochem Physiol [C]** 1987;86(1):201–14
Environmental and injected cadmium are sequestered by two major isoforms of basal copper, zinc–metallothionein in gibel (Carassius auratus langsdorfi) liver. Suzuki KT, et al. **Comp Biochem Physiol [C]** 1987;87(1):87–93
Effect of drug treatment on liver-slice function following 72-hour hypothermic perfusion. D'Alessandro A, et al. **Cryobiology** 1986 Oct;23(5):415–21
Effect of dietary cyclopropene fatty acids on the amino acid uptake of the rainbow trout (Salmo gairdneri). Chikwem JO. **Cytobios** 1987;49(196):17–21
A change of the hepatocyte population is responsible for the progressive increase of vitellogenin synthetic capacity at and after metamorphosis of Xenopus laevis. Kawahara A, et al. **Dev Biol** 1987 Jul;122(1):139–45
Effect of hepatic cytosol on postnatal drug metabolism. Evans MA, et al. **Dev Pharmacol Ther** 1987;10(3):199–211
Effect of maternal food restriction on circulating insulin and glucagon levels and on liver insulin and glucagon binding sites of fetal and suckling rats. Alvarez E, et al. **Diabete Metab** 1986 Dec;12(6):337–45
Comparison between starvation and consumption of a high protein diet in rats: hepatic metabolites and amino acid levels during the first 24 hours. Bois-Joyeux B, et al. **Diabete Metab** 1986 Oct;12(5):239–45
Role of hyperglucagonemia in maintenance of increased rates of hepatic glucose output in type II diabetics. Baron AD, et al. **Diabetes** 1987 Mar;36(3):274–83
HPLC analysis of insulin degradation products from isolated hepatocytes. Effects of inhibitors suggest intracellular and extracellular pathways. Hamel FG, et al. **Diabetes** 1987 Jun;36(6):702–8
Inhibition of glycogenolysis and glycogen phosphorylase by insulin and proinsulin in rat hepatocyte cultures. Hartmann H, et al. **Diabetes** 1987 May;36(5):551–5
Direct and indirect effects of insulin to inhibit hepatic glucose output in obese subjects. Prager R, et al. **Diabetes** 1987 May;36(5):607–11
Effects of fasting, feeding, and insulin on enhancing effect of GTP on cAMP binding in rat hepatic cytosol. Rosenberg EM, et al. **Diabetes** 1987 Jan;36(1):37–42
Regulation of hepatic glucose metabolism. Brooke Lodge Symposium. Augusta, Michigan, October 1986. Proceedings. **Diabetes Metab Rev** 1987 Jan;3(1):45–332
Insulin, glucagon, and glucose as regulators of hepatic glucose uptake and production in vivo. Cherrington AD, et al. **Diabetes Metab Rev** 1987 Jan;3(1):307–32 (42 ref.)
Regulation of hepatic glucose metabolism in humans. DeFronzo RA, et al. **Diabetes Metab Rev** 1987 Apr; 3(2):415–59 (84 ref.)
Mechanisms of hormonal regulation of hepatic glucose metabolism. Exton JH. **Diabetes Metab Rev** 1987 Jan; 3(1):163–83 (176 ref.)
The kinetics of insulin in man. II. Role of the liver. Ferrannini E, et al. **Diabetes Metab Rev** 1987 Apr;3(2):365–97 (111 ref.)
Gluconeogenesis and its regulation. Hue L. **Diabetes Metab Rev** 1987 Jan;3(1):111–26 (100 ref.)
Metabolic zonation of liver parenchyma: significance for the regulation of glycogen metabolism, gluconeogenesis, and glycolysis. Jungermann K. **Diabetes Metab Rev** 1987 Jan; 3(1):269–93 (87 ref.)
The impact of sulfonylureas on hepatic glucose metabolism in type II diabetics. Kolterman OG. **Diabetes Metab Rev** 1987 Apr;3(2):399–414 (41 ref.)
Substrate cycles: their role in control of metabolism with specific references to the liver. Newsholme EA, et al. **Diabetes Metab Rev** 1987 Jan;3(1):295–305
Role of counterregulatory hormones in the regulation of hepatic glucose metabolism. Saccà L. **Diabetes Metab Rev** 1987 Jan;3(1):207–29
Neuronal regulation of hepatic glucose metabolism in mammals. Shimazu T. **Diabetes Metab Rev** 1987 Jan; 3(1):185–206
Control of glycogen synthesis in health and disease. Stalmans W, et al. **Diabetes Metab Rev** 1987 Jan;3(1):127–61 (133 ref.)
Liver glycogen metabolism: an overview. van de Werve G, et al. **Diabetes Metab Rev** 1987 Jan;3(1):47–78 (285 ref.)
Tolbutamide and insulin stimulation of fructose-2,6-bisphosphate formation in hepatocytes differ. Matsuda M, et al. **Diabetes Res Clin Pract** 1986 Nov–Dec; 2(6):347–51
Stimulation by acetoacetate of hepatic triacylglycerol synthesis. Oredipe OA, et al. **Diabetes Res Clin Pract** 1987 Jan–Feb;3(1):45–54
Differential effect of steady-state hyperinsulinaemia and hyperglycaemia on hepatic glycogenolysis and glycolysis in rats. Halimi S, et al. **Diabetologia** 1987 Apr;30(4):268–72
Importance of glucagon in the control of futile cycling as studied in alloxan-diabetic dogs. Lickley HL, et al. **Diabetologia** 1987 Mar;30(3):175–82
The onset of liver glycogen synthesis in fasted–refed lean and genetically obese (fa/fa) rats. van de Werve G, et al. **Diabetologia** 1987 Mar;30(3):169–74
Absence of hepatic extraction of gastric inhibitory polypeptide in conscious dogs. Chap Z, et al. **Dig Dis Sci** 1987 Mar;32(3):280–4
Hepatic clearance of D-sorbitol. Noninvasive test for evaluating functional liver plasma flow. Molino G, et al. **Dig Dis Sci** 1987 Jul;32(7):753–8
Depressed selenium and vitamin E levels in an alcoholic population. Possible relationship to hepatic injury through increased lipid peroxidation. Tanner AR, et al. **Dig Dis Sci** 1986 Dec;31(12):1307–12
Drug disposition in patients with HBsAg-positive chronic liver disease. Villeneuve JP, et al. **Dig Dis Sci** 1987 Jul; 32(7):710–4
The effect of chronic ethanol ingestion on brain lipid peroxide and glutathione levels in rats. Uysal M, et al. **Drug Alcohol Depend** 1986 Sep;18(1):73–5
Effect of volatile anesthetics on protein synthesis and secretion by rat hepatocyte suspensions. DiRenzo AB, et al. **Drug Chem Toxicol** 1986;9(3–4):223–37
Diazepam metabolism in cultured hepatocytes from rat, rabbit, dog, guinea pig, and man. Chenery RJ, et al. **Drug Metab Dispos** 1987 May–Jun;15(3):312–7
Presence of a diffusional barrier on metabolite kinetics: enalaprilat as a generated versus preformed metabolite. de Lannoy IA, et al. **Drug Metab Dispos** 1986 Sep–Oct; 14(5):513–20
Effect of diffusional barriers on drug and metabolite kinetics. de Lannoy IA, et al. **Drug Metab Dispos** 1987 Jan–Feb; 15(1):51–8
Hepatic UDP-glucose and UDP-glucuronic acid synthesis rates in rats during a reduced energy state. Dills RL, et al. **Drug Metab Dispos** 1987 May–Jun;15(3):281–8
Liver metabolism of budesonide in rat, mouse, and man. Comparative aspects. Edsbäcker S, et al. **Drug Metab Dispos** 1987 May–Jun;15(3):403–11
Nonenzymatic bioreduction in rat liver and kidney of nitroxyl spin labels, potential contrast agents in magnetic resonance imaging. Eriksson UG, et al. **Drug Metab Dispos** 1987 Mar–Apr;15(2):155–60
Metabolism of cyclosporin A. I. Study in freshly isolated rabbit hepatocytes. Fabre G, et al. **Drug Metab Dispos** 1987 May–Jun;15(3):384–90
The series-compartment model for hepatic elimination. Gray MR, et al. **Drug Metab Dispos** 1987 Jan–Feb;15(1):27–31
Mechanisms of lidocaine kinetics in the isolated perfused rat liver. III. Evaluation of liver models for time-dependent behavior. Gray MR, et al. **Drug Metab Dispos** 1987 Jan–Feb;15(1):22–6
Comparison of hepatic and renal metabolism of acetaminophen in male and female miniature swine. Peggins JO, et al. **Drug Metab Dispos** 1987 Mar–Apr;15(2):270–3
The oxidation of acrolein by rat liver aldehyde dehydrogenases. Relation to allyl alcohol hepatotoxicity. Rikans LE. **Drug Metab Dispos** 1987 May–Jun;15(3):356–62
Uptake, metabolism, and secretion of 3'-methyl-N,N-dimethyl-4-aminoazobenzene by isolated perfused rat liver. Samuels AR, et al. **Drug Metab Dispos** 1987 Mar–Apr;15(2):184–8
Mechanisms of lidocaine kinetics in the isolated perfused rat liver. II. Kinetics of steady state elimination. Saville BA, et al. **Drug Metab Dispos** 1987 Jan–Feb;15(1):17–21
Inhibition of glucuronidation and sulfation by dibutyryl cyclic AMP in isolated rat hepatocytes. Shipley LA, et al. **Drug Metab Dispos** 1986 Sep–Oct;14(5):526–31
In vivo and in vitro biotransformation of theobromine by phenobarbital- and 3-methylcholanthrene-inducible cytochrome P-450 monooxygenases in rat liver. Role of thiol compounds. Shively CA, et al. **Drug Metab Dispos** 1987 Mar–Apr;15(2):217–24
Mechanisms of lidocaine kinetics in the isolated perfused rat liver. I. Effects of continuous infusion. Tam YK, et al. **Drug Metab Dispos** 1987 Jan–Feb;15(1):12–6
Influence of age on intrinsic clearance of bupivacaine and its reduction by cimetidine in elderly male rats. Thompson GA, et al. **Drug Metab Dispos** 1987 Jan–Feb;15(1):136–7
Aminopyrine pharmacokinetics in the rat may depend on hepatic blood flow. Zysset T, et al. **Drug Metab Dispos** 1986 Sep–Oct;14(5):625–6
Categorization of lipophilic xenobiotics by the enthalpic structure-function response of hepatic mixed-function oxidase. Hollebone BR. **Drug Metab Rev** 1986; 17(1–2):93–143 (226 ref.)
Cyclosporine administration decreases liver vitamin A stores in normal and vitamin A–deficient rats. Azaïs V, et al. **Drug Nutr Interact** 1987;5(2):81–8
Effect of retinol toxicity on hepatic S-adenosylmethionine-dependent transmethylation in rats. Fell D, et al. **Drug Nutr Interact** 1987;5(1):1–7
Ceftazidime: experimental and clinical evaluation of biliary elimination. Brogard JM, et al. **Drugs Exp Clin Res** 1987; 13(2):105–14
Histochemical demonstration of two mercury pools in trout tissues: mercury in kidney and liver after mercuric chloride exposure. Baatrup E, et al. **Ecotoxicol Environ Safety** 1986 Dec;12(3):267–82
Binding of acetylated low density lipoprotein and maleylated bovine serum albumin to the rat liver: one or two receptors? Dresel HA, et al. **EMBO J** 1987 Feb;6(2):319–26
Alpha 2-macroglobulin gene expression during rat development studied by in situ hybridization. Kodelja V, et al. **EMBO J** 1986 Dec 1;5(12):3151–6
Study of a growth hormone-regulated protein secreted by rat hepatocytes: cDNA cloning, anti-protease activity and regulation of its synthesis by various hormones. Le Cam A, et al. **EMBO J** 1987 May;6(5):1225–32
Different oligosaccharide processing of the membrane-integrated and the secretory form of gp 80 in rat liver. Tauber R, et al. **EMBO J** 1986 Sep;5(9):2109–14
Electron microscopic visualization of protein-DNA interactions at the estrogen responsive element and in the first intron of the Xenopus laevis vitellogenin gene. ten Heggeler-Bordier B, et al. **EMBO J** 1987 Jun;6(6):1715–20
Membrane association of soluble protein activators of rat liver adenylate cyclase. Evidence for distinctness from the guanine nucleotide-binding stimulating protein (Ns). Kelly TM, et al. **Endocr Res** 1986;12(3):269–91
Time course of ketone body production in the isolated perfused rat liver in response to various stimuli. Okuda Y, et al. **Endocrinol Jpn** 1986 Dec;33(6):827–34
Action of some pesticides on T4 to T3 conversion in cultured kidney and liver cells in the presence or absence of cysteine. Ghinea E, et al. **Endocrinologie** 1986 Jul–Sep;24(3):157–66
The effects of postoperative factors on serum thyroid hormones and rat liver nuclear 3,5,3'-triiodothyronine receptor concentrations in surgical models of uremia and regenerating liver. Barsano CP, et al. **Endocrinology** 1987 Apr;120(4):1354–60
Hepatic metabolism of neurotensin. Brook CW, et al. **Endocrinology** 1987 Apr;120(4):1397–402
Effect of mestranol on cell proliferation and angiotensinogen production in HepG2 cells: relation with the cell cycle and action of tamoxifen. Coezy E, et al. **Endocrinology** 1987 Jan;120(1):133–41
Beta-adrenergic receptors, glucagon receptors, and their relationship to adenylate cyclase in rat liver during aging. Dax EM, et al. **Endocrinology** 1987 Apr;120(4):1534–41
Nutritionally-induced changes in hepatic insulin-like growth factor I (IGF-I) gene expression in rats. Emler CA, et al. **Endocrinology** 1987 Feb;120(2):832–4
Fasting-induced changes in prostaglandin binding in isolated hepatocytes and liver plasma membranes. Garrity MJ, et al. **Endocrinology** 1987 Mar;120(3):1134–9
Glucose and insulin reverse the effects of fasting on 3,5,3'-triiodothyronine neogenesis in primary cultures of rat hepatocytes. Gavin LA, et al. **Endocrinology** 1987 Sep; 121(3):858–64
Carrier-mediated transport of thyroid hormone into rat hepatocytes is rate-limiting in total cellular uptake and metabolism. Hennemann G, et al. **Endocrinology** 1986 Oct; 119(4):1870–2
Liver tissue produces a potent lactogen that partially mimics the actions of prolactin. Hoeffler JP, et al. **Endocrinology** 1987 Apr;120(4):1679–81
Stimulation of active Na+ and K+ transport by thyroid hormone in a rat liver cell line: role of enhanced Na+ entry. Ismail-Beigi F, et al. **Endocrinology** 1986 Dec; 119(6):2527–36
Liver angiotensinogen synthesis and release during captopril treatment in sodium-depleted rats. Jaramillo HN, et al. **Endocrinology** 1987 Apr;120(4):1384–90
Diabetes decreases liver and kidney nuclear 3,5,3'-triiodothyronine receptors in rats. Jolin T. **Endocrinology** 1987 May;120(5):2144–51
Abnormal thyroid hormone deiodination in tissues of ob/ob and db/db obese mice. Kaplan MM, et al. **Endocrinology** 1987 Mar;120(3):886–93
Diurnal variation in hepatic expression of the rat S14 gene is synchronized by the photoperiod. Kinlaw WB, et al. **Endocrinology** 1987 Apr;120(4):1563–7
Thyroid hormone-binding proteins in plasma facilitate uniform distribution of thyroxine within tissues: a perfused rat liver study. Mendel CM, et al. **Endocrinology** 1987 May; 120(5):1742–9
Growth hormone stimulates sequential induction of c-myc and insulin-like growth factor I expression in vivo. Murphy LJ, et al. **Endocrinology** 1987 May;120(5):1806–12
Age-related change in ketone body metabolism: diminished glucagon effect on ketogenesis in adult rats. Okuda Y, et al. **Endocrinology** 1987 May;120(5):2152–7
Steady state model of 3,5,3'-triiodothyronine transport in liver predicts high cellular exchangeable hormone concentration relative to in vitro free hormone

concentration. Pardridge WM, et al. **Endocrinology** 1987 Mar;120(3):1059–68

Differential induction of hepatic estrogen receptor and vitellogenin gene transcription in Xenopus laevis. Riegel AT, et al. **Endocrinology** 1987 Apr;120(4):1283–90

Biosynthesis of the low molecular weight carrier protein for insulin–like growth factors in rat liver and fibroblasts. Romanus JA, et al. **Endocrinology** 1987 Sep;121(3):1041–50

Production of insulin–like growth factor I and its binding protein in rat hepatocytes cultured from diabetic and insulin–treated diabetic rats. Scott CD, et al. **Endocrinology** 1986 Nov;119(5):2346–52

Effects of epinephrine and norepinephrine on lipid mobilization from coho salmon liver incubated in vitro. Sheridan MA. **Endocrinology** 1987 Jun;120(6):2234–9

Effects of galanin on hormone secretion from the in situ perfused rat pancreas and on glucose production in rat hepatocytes in vitro. Silvestre RA, et al. **Endocrinology** 1987 Jul;121(1):378–83

Stereospecificity of triiodothyronine transport into brain, liver, and salivary gland: role of carrier– and plasma protein–mediated transport. Terasaki T, et al. **Endocrinology** 1987 Sep;121(3):1185–91

A kinetic analysis of hepatocyte responses to a glucagon pulse: mechanism and metabolic consequences of differences in response decay times. Weigle DS, et al. **Endocrinology** 1987 Aug;121(2):732–7

An analysis of the interrelationship of nuclear and plasma triiodothyronine in the sea lamprey, lake trout, and rat: evolutionary considerations. Weirich RT, et al. **Endocrinology** 1987 Feb;120(2):664–77

Influence of mouse liver stored vitamin A on the induction of mutations (Ames tests) and SCE of bone marrow cells by aflatoxin B1, benzo(a)pyrene, or cyclophosphamide. Qin S, et al. **Environ Mutagen** 1986;8(6):839–47

Effect of a vegetable oil factory effluent on in vitro lipid and protein synthesis by the liver of the freshwater teleost Heteropneustes fossilis (Bloch). Kondal JK, et al. **Environ Res** 1987 Jun;43(1):13–8

Generation and dose as modifying factors of inorganic mercury accumulation in brain, liver, and kidneys of rats fed methylmercury. Yamamoto R, et al. **Environ Res** 1986 Oct;41(1):309–18

Effect of cadmium on T4 outer ring monodeiodination by rat liver. Yoshida K, et al. **Environ Res** 1987 Apr; 42(2):400–5

Regulation of the ontogeny of rat liver metallothionein mRNA by zinc. Andrews GK, et al. **Eur J Biochem** 1987 Aug 3;166(3):527–31

Studies on the in vivo transfer of retinoids from parenchymal to stellate cells in rat liver. Blaner WS, et al. **Eur J Biochem** 1987 Apr 15;164(2):301–7

Ganglioside biosynthesis in rat liver. Characterization of three sialyltransferases. Busam K, et al. **Eur J Biochem** 1986 Oct 1;160(1):23–30

Phosphorus–31 nuclear–magnetic–resonance study of phosphorylated metabolites compartmentation, intracellular pH and phosphorylation state during normoxia, hypoxia and ethanol perfusion, in the perfused rat liver. Desmoulin F, et al. **Eur J Biochem** 1987 Jan 2; 162(1):151–9

Possible involvement of eicosanoids in the zymosan and arachidonic–acid–induced oxygen uptake, glycogenolysis and Ca2+ mobilization in the perfused rat liver. Dieter P, et al. **Eur J Biochem** 1987 Jun 1;165(2):455–60

Prostaglandin E1 binds to Z protein of rat liver. Dutta–Roy AK, et al. **Eur J Biochem** 1987 Feb 2;162(3):615–9

The interaction between biologically inactive tRNA conformers and leucyl–tRNA synthetase from rabbit liver. El'skaya A, et al. **Eur J Biochem** 1987 Apr 1;164(1):65–9

Iodinated photoreactive vasopressin antagonists: labelling of hepatic vasopressin receptor subunits. Fahrenholz F, et al. **Eur J Biochem** 1986 Dec 1;161(2):321–8

Hormonal regulation of amino acid transport system N in primary cultures of rat hepatocytes. Gebhardt R, et al. **Eur J Biochem** 1987 Jul 15;166(2):339–44

Kinetics of epidermal growth factor binding and processing in isolated intact rat hepatocytes. Dynamic externalization of receptors during ligand internalization. Gladhaug IP, et al. **Eur J Biochem** 1987 Apr 15;164(2):267–75

Effects of long–chain fatty acids on the inhibition by antimycin of respiration in hepatocytes and isolated mitochondria from rat liver. Gregory RB, et al. **Eur J Biochem** 1986 Nov 3;160(3):645–9

The role of N–glycosylation for the plasma clearance of rat liver secretory glycoproteins. Gross V, et al. **Eur J Biochem** 1987 Jan 2;162(1):83–8

Transformation in vitro and covalent modification with biotin of steroid–affinity–purified rat–liver glucocorticoid–hormone–receptor complex. Hapgood JP, et al. **Eur J Biochem** 1987 Jul 15;166(2):415–20

Perivascular nerve stimulation and phenylephrine responses in rat liver. Metabolic effects, Ca2+ and K+ fluxes. Häussinger D, et al. **Eur J Biochem** 1987 Feb 16; 163(1):197–203

Regulation of fatty acid oxidation in isolated hepatocytes and liver mitochondria from newborn rabbits. Herbin C, et al. **Eur J Biochem** 1987 May 15;165(1):201–7

Intracellular pathway followed by invertase endocytosed by rat liver. Jadot M, et al. **Eur J Biochem** 1986 Dec 15; 161(3):695–700

Fate of injected 125I–labeled cholera toxin taken up by rat liver in vivo. Generation of the active A1 peptide in the endosomal compartment. Janicot M, et al. **Eur J Biochem** 1987 Mar 2;163(2):433–42

Urea synthesis from ammonia in periportal and pericentral regions of the liver lobule. Effect of oxygen. Kari FW, et al. **Eur J Biochem** 1987 Feb 16;163(1):1–7

The Ca2+–dependent actions of the alpha–adrenergic agonist phenylephrine on hepatic glycogenolysis differ from those of vasopressin and angiotensin. Kleineke J, et al. **Eur J Biochem** 1987 Jan 2;162(1):143–50

Phenobarbital–mediated modulation of gene expression in rat liver. Analysis of cDNA clones. Lechner MC, et al. **Eur J Biochem** 1987 Mar 2;163(2):231–8

pH control of hepatic glutamine degradation. Role of transport. Lenzen C, et al. **Eur J Biochem** 1987 Jul 15; 166(2):483–8

Structural analysis of the asparagine–linked oligosaccharides of rat haptoglobin metabolically labeled in a hepatocyte culture system. Ogata S, et al. **Eur J Biochem** 1986 Dec 1;161(2):315–20

Energy dependence of autophagic protein degradation in isolated rat hepatocytes. Plomp PJ, et al. **Eur J Biochem** 1987 Apr 1;164(1):197–203

The relationship between beta–adrenoceptor regulation and beta–adrenergic responsiveness in hepatocytes. Studies on acquisition, desensitization and resensitization of isoproterenol–sensitive adenylate cyclase in primary culture. Refsnes M, et al. **Eur J Biochem** 1987 Mar 16; 163(3):457–66

The heme biosynthetic pathway in the regenerating rat liver. The relation between enzymes of heme synthesis and growth. Schoenfeld N, et al. **Eur J Biochem** 1987 Aug 3; 166(3):663–6

Receptor–mediated endocytosis of apamin by liver cells. Strong PN, et al. **Eur J Biochem** 1987 Mar 2;163(2):267–73

Purification of alpha 1–microglobulin produced by human hepatoma cell lines. Biochemical characterization and comparison with alpha 1–microglobulin synthesized by human hepatocytes. Vincent C, et al. **Eur J Biochem** 1987 Jun 15;165(3):699–704

Biogenesis of very–low–density lipoproteins in rat liver. Intracellular distribution of apolipoprotein B. Wong L, et al. **Eur J Biochem** 1987 Apr 15;164(2):357–67

The effect of dexamethasone on transferrin secretion by cultured fetal rat hepatocytes. Kraemer M, et al. **Eur J Cell Biol** 1986 Oct;42(1):52–9

Cyclic adenosine monophosphate stimulates biosynthesis and phosphorylation of the 26 kDa gap junction protein in cultured mouse hepatocytes. Traub O, et al. **Eur J Cell Biol** 1987 Feb;43(1):48–54

Hepatic regeneration and metabolism after partial hepatectomy in diabetic rats: effects of insulin therapy. Johnston DG, et al. **Eur J Clin Invest** 1986 Oct;16(5):384–90

Hepatic regeneration and metabolism after partial hepatectomy in normal rats: effects of insulin therapy. Johnston DG, et al. **Eur J Clin Invest** 1986 Oct;16(5):376–83

Antipyrine clearance and metabolite formation: the influence of liver volume and smoking. Spoelstra P, et al. **Eur J Clin Invest** 1986 Aug;16(4):321–7

Concentrations of ciprofloxacin in human liver, gallbladder, and bile after oral administration. Dan M, et al. **Eur J Clin Pharmacol** 1987;32(2):217–8

Interaction of ethanol with codeine metabolism in rat hepatocytes: a multicompartmental model. Bodd E, et al. **Eur J Drug Metab Pharmacokinet** 1986 Jul–Sep; 11(3):239–43

Metabolism of 14C–busulfan in isolated perfused rat liver. Hassan M, et al. **Eur J Drug Metab Pharmacokinet** 1987 Jan–Mar;12(1):71–6

In vitro metabolism of galanthamine hydrobromide (Nivalin) by rat and rabbit liver homogenate. Mihailova D, et al. **Eur J Drug Metab Pharmacokinet** 1987 Jan–Mar; 12(1):25–30

Hepatic metabolism of doxorubicin in mice and rats. Vrignaud P, et al. **Eur J Drug Metab Pharmacokinet** 1986 Apr–Jun;11(2):101–5

Biosynthesis of the subcomponents C1q, C1r and C1s of the first component of complement (C1) by guinea pig hepatocyte primary cultures. Ramadori G, et al. **Eur J Immunol** 1986 Sep;16(9):1137–41

Influence of hemodilution on hepatic energy metabolism in rat. Tanaka A, et al. **Eur Surg Res** 1987;19(4):200–6

Collagen production by rat liver fat–storing cells in primary culture. Kawase T, et al. **Exp Cell Biol** 1986;54(4):183–92

Extracellular matrix components influence DNA synthesis of rat hepatocytes in primary culture. Sawada N, et al. **Exp Cell Res** 1986 Dec;167(2):458–70

Molecular cloning of mRNA sequences transiently induced during rat liver regeneration. Sobczak J, et al. **Exp Cell Res** 1987 Mar;169(1):47–56

Modulation of protein synthesis and secretion by substratum in primary cultures of rat hepatocytes. Sudhakaran PR, et al. **Exp Cell Res** 1986 Dec;167(2):505–16

Increased synthetic capacity for metallothionein in cultured liver cells following dimethyl sulfoxide pretreatment. Waalkes MP, et al. **Exp Cell Res** 1987 Mar;169(1):25–30

Contradictory evidence concerning the "universal" role of growth hormone in the regulation of the enzyme activities of hepatic steroid metabolism. Lax ER, et al. **Exp Clin Endocrinol** 1986 Jul;87(2):142–8

Influence of microinjection of glucagon into ventromedial hypothalamus on acetate metabolism in liver slices of rabbit. Seto K, et al. **Exp Clin Endocrinol** 1987 Mar; 89(1):105–8

Liver heme and drug metabolism in Sprague–Dawley rats of varying age [letter] Baird MB. **Exp Gerontol** 1986; 21(2):99–100

Age–estimations of rats based on the average lateral diffusion constant of hepatocyte membrane proteins as revealed by fluorescence recovery after photobleaching. Zs.–Nagy I, et al. **Exp Gerontol** 1986;21(6):555–63

Degradation of short– and long–lived proteins in perfused liver and in isolated autophagic vacuoles—lysosomes. Henell F, et al. **Exp Mol Pathol** 1987 Feb;46(1):1–14

Hepatic and skeletal muscle phospholipid metabolism in recovering burned rats. Turinsky J. **Exp Mol Pathol** 1986 Oct;45(2):185–92

Relation between renal and hepatic excretion of drugs: III. Comparison of various methods reducing the renal or hepatic excretory capacity of rats. Fleck C, et al. **Exp Pathol** 1987;31(2):95–104

Relation between renal and hepatic excretion of drugs. IV. Influence of nephrectomy or bile duct ligation on the accumulation of phenol red in kidney and liver tissue of rats of different ages. Fleck C, et al. **Exp Pathol** 1987; 31(4):205–19

Experimental liver cirrhosis does not influence reproductive performance of female rats and development of hepatic biotransformation in their offspring. Glöckner R, et al. **Exp Pathol** 1987;31(1):53–7

Characterization of established epithelioid cell lines derived from rat liver: expression of cytokeratin filaments. Neupert G, et al. **Exp Pathol** 1987;31(3):161–7

Restraint stress induced changes in rat liver and serum metallothionein and in Zn metabolism. Hidalgo J, et al. **Experientia** 1986 Sep 15;42(9):1006–10

Cholesterol feeding to rats does not modulate the expression of binding sites for HDL on liver membranes. Maggi FM, et al. **Experientia** 1986 Oct 15;42(10):1155–7

Effect of glucose administration on bilirubin excretion in the rabbit. Muñoz ME, et al. **Experientia** 1987 Feb 15; 43(2):166–8

The enhanced induction of metallothionein by zinc, its half–life in the marine fish Pleuronectes platessa, and the influence of stress factors on metallothionein levels. Overnell J, et al. **Experientia** 1987 Feb 15;43(2):178–81

Effect of chronic ethanol treatment on peroxisomal acyl–CoA oxidase activity and lipid peroxidation in rat liver and heart. Panchenko LF, et al. **Experientia** 1987 May 15;43(5):580–1

Effect of lipophilic cations on thiamine transport system in isolated rat hepatocytes. Yoshioka K, et al. **Experientia** 1986 Sep 15;42(9):1022–3

Effect of epomediol on the recovery time of taurocholic acid captation in the perfused rat liver after suspension of the treatment with ethynylestradiol. Chiarantini E, et al. **Farmaco [Prat]** 1986 Nov;41(11):358–62

Glycogen synthesis from pyruvate in the periportal and from glucose in the perivenous zone in perfused livers from fasted rats. Bartels H, et al. **FEBS Lett** 1987 Sep 14; 221(2):277–83

Rat liver cytosol oxysterol–binding protein. Characterization and comparison with the HTC cell protein. Beseme F, et al. **FEBS Lett** 1987 Jan 1;210(1):97–103

Clathrin beta–light chain of rat liver coated vesicles is phosphorylated in vitro and in vivo. Cantournet B, et al. **FEBS Lett** 1987 Aug 10;220(1):143–8

Lipid peroxidation in regenerating rat liver. Cheeseman KH, et al. **FEBS Lett** 1986 Dec 15;209(2):191–6

Calmodulin may decrease cell surface sialic acid and be involved in the expression of fibronectin during liver regeneration. Coll MJ, et al. **FEBS Lett** 1986 Nov 24; 208(2):418–22

Possible involvement of prostaglandins in vasoconstriction induced by zymosan and arachidonic acid in the perfused rat liver [published erratum appears in FEBS Lett 1987 Apr 20;214(2):375] Dieter P, et al. **FEBS Lett** 1987 Mar 9;213(1):174–8

Retention of actin synthesis in liver under conditions that inhibit synthesis of almost all other proteins. Felipo V, et al. **FEBS Lett** 1987 Jan 5;210(2):173–6

Precursors of mitochondrial proteins are degraded in the cytosol at different rates. Felipo V, et al. **FEBS Lett** 1986 Dec 15;209(2):227–30

Increased synthesis of poly(ADP–ribose) in isolated liver nuclei from autoimmune NZB/NZW mice. Haug BL, et al. **FEBS Lett** 1987 May 11;215(2):252–6

Immunoblotting and ligand blotting of the low–density lipoprotein receptor of human liver, HepG2 cells and HeLa cells. Havinga JR, et al. **FEBS Lett** 1987 Jun 1; 216(2):275–80

A quantitative analysis of the metabolic pathways of hepatic glucose synthesis in vivo with 13C–labeled substrates. Kalderon B, et al. **FEBS Lett** 1987 Mar 9;213(1):209–14

Comment: 'A quantitative analysis of the metabolic pathways of hepatic glucose synthesis in vivo with 13C–labeled substrates' [letter] Katz J. **FEBS Lett** 1987 Aug 10; 220(1):257–61

Early modifications of gene expression induced in liver by azo–dye diet. Lamas E, et al. **FEBS Lett** 1986 Oct 6; 206(2):229–32

Control of proteolysis in perifused rat hepatocytes. Leverve XM, et al. **FEBS Lett** 1987 Jul 27;219(2):455–8

Glucagon–like peptides activate hepatic gluconeogenesis.

Mommsen TP, et al. **FEBS Lett** 1987 Jul 13;219(1):227–32
Increase of urate formation by stimulation of sympathetic hepatic nerves, circulating noradrenaline and glucagon in the perfused rat liver. Püschel GP, et al. **FEBS Lett** 1987 Jul 13;219(1):145–50
Adenine nucleotide compartmentation in foetal rat hepatocytes. Effects of atractyloside, oligomycin, calcium ionophore and adrenergic agonists. Roncero C, et al. **FEBS Lett** 1986 Nov 10;208(1):105–8
Binding of low-density lipoprotein to monolayer cultures of rat hepatocytes is increased by insulin and decreased by dexamethasone. Salter AM, et al. **FEBS Lett** 1987 Aug 10;220(1):159–62
Phosphorylation of liver gap junction protein by protein kinase C. Takeda A, et al. **FEBS Lett** 1987 Jan 5; 210(2):169–72
Perivenous localisation of Na-dependent glutamate transport in perfused rat liver. Taylor PM, et al. **FEBS Lett** 1987 Sep 14;221(2):370–4
Mechanism of copper transport from plasma to hepatocytes. Ettinger MJ, et al. **Fed Proc** 1986 Nov;45(12):2800–4 (33 ref.)
Iron uptake and metabolism by hepatocytes. Morgan EH, et al. **Fed Proc** 1986 Nov;45(12):2810–6 (37 ref.)
Zinc uptake and metabolism by hepatocytes. Pattison SE, et al. **Fed Proc** 1986 Nov;45(12):2805–9 (26 ref.)
The manganese(II) economy of rat hepatocytes. Schramm VL, et al. **Fed Proc** 1986 Nov;45(12):2817–20
Peptide synthesis in rat liver slices. Effect of cycloheximide. Guzdek A, et al. **Folia Biol (Krakow)** 1986;34(4):367–72
Biochemical mechanisms of chemical toxicity. Parke DV, et al. **Folia Med Cracov** 1987;28(1–2):27–46
Effects of single-dose and repeated-dose pretreatment with 2(3)-tert-butyl-4-hydroxyanisole (BHA) on the hepatobiliary disposition and covalent binding to DNA of aflatoxin B1 in the rat. Monroe DH, et al. **Food Chem Toxicol** 1986 Dec;24(12):1273–81
The effects of dietary cabbage on xenobiotic-metabolizing enzymes and the binding of aflatoxin B1 to hepatic DNA in rats. Whitty JP, et al. **Food Chem Toxicol** 1987 Aug; 25(8):581–7
The metabolism of acetonitrile to cyanide by isolated rat hepatocytes. Freeman JJ, et al. **Fundam Appl Toxicol** 1987 Feb;8(2):263–71
Metabolism and clearance of T-2 mycotoxin in perfused rat livers. Pace JG. **Fundam Appl Toxicol** 1986 Oct;7(3):424–33
Mechanisms for the release and redistribution of 2,4,5,2',4',5'-hexachlorobiphenyl (6-CB) from hepatic tissues in the rat. Rau LA, et al. **Fundam Appl Toxicol** 1986 Oct;7(3):494–501
Analyses on lipid-rich organelles of the rat liver after bile duct ligation. Hayashi H, et al. **Gastroenterol Jpn** 1987 Feb; 22(1):39–43
Biological significance of AFP-positive cells in rat livers with hyperplastic nodules induced by 3'-Me-DAB; combined immunocytochemical and radioautographical studies. Iwai M, et al. **Gastroenterol Jpn** 1987 Apr;22(2):179–86
Detection of the cholestatic factor in the liver tissue of patients with acute intrahepatic cholestasis. Mizoguchi Y, et al. **Gastroenterol Jpn** 1987 Jun;22(3):331–6
Glycosaminoglycan, proteoglycan, and hepatic fibrosis [editorial] Arenson DM, et al. **Gastroenterology** 1987 Feb; 92(2):536–8
Different response to epidermal growth factor of hepatocytes in cultures isolated from male or female rat liver. Inhibitor effect of estrogen on binding and mitogenic effect of epidermal growth factor. Francavilla A, et al. **Gastroenterology** 1987 Sep;93(3):597–605
Effect of spironolactone and potassium canrenoate on cytosolic and nuclear androgen and estrogen receptors of rat liver. Francavilla A, et al. **Gastroenterology** 1987 Oct; 93(4):681–6
Hepatic uptake of sex steroids in men with alcoholic cirrhosis. Guechot J, et al. **Gastroenterology** 1987 Jan;92(1):203–7
Simulation of the metabolism and enterohepatic circulation of endogenous deoxycholic acid in humans using a physiologic pharmacokinetic model for bile acid metabolism. Hofmann AF, et al. **Gastroenterology** 1987 Oct; 93(4):693–709
Biliary excretion of apolipoprotein B by the isolated perfused rat liver. Relationship to receptor-mediated uptake of human low-density lipoprotein and biliary lipid secretion. Kawamoto T, et al. **Gastroenterology** 1987 May;92(5 Pt 1):1236–42
Demonstration of a transcellular vesicle pathway for biliary excretion of inulin in rat liver. Lorenzini I, et al. **Gastroenterology** 1986 Nov;91(5):1278–88
Effect of glucagon on alcohol dehydrogenase activity in rat hepatocyte culture. Mezey E, et al. **Gastroenterology** 1986 Nov;91(5):1271–7
Dynamics of hepatic glycosaminoglycan accumulation in murine Schistosoma japonicum infection. Olds GR, et al. **Gastroenterology** 1986 Dec;91(6):1335–42
Role of albumin in liver uptake [letter] Roda E, et al. **Gastroenterology** 1987 Apr;92(4):1097
Estrogen cholestasis. Membranes, metabolites, or receptors? Vore M. **Gastroenterology** 1987 Sep;93(3):643–9
Sex steroid receptors in the stomach, liver, pancreas, and gastrointestinal tract of the baboon. Winborn WB, et al. **Gastroenterology** 1987 Jan;92(1):23–32
Metabolism in sea raven (Hemitripterus americanus) hepatocytes: the effects of insulin and glucagon. Foster GD, et al. **Gen Comp Endocrinol** 1987 Apr;66(1):102–15
Hormonal regulation of hepatic glycogenolysis in the toad, Xenopus laevis, is mediated by cyclic AMP and not Ca2+. Janssens PA, et al. **Gen Comp Endocrinol** 1987 Aug; 67(2):227–33
Acute changes of the conversion of thyroxine to triiodothyronine in hypophysectomized and thyroidectomized chickens exposed to mild cold (10 degrees). Rudas P, et al. **Gen Comp Endocrinol** 1986 Sep; 63(3):408–13
In vitro metabolism of steroid hormones in the liver and in blood cells of male rainbow trout (Salmo gairdneri Richardson). Schulz R. **Gen Comp Endocrinol** 1986 Nov; 64(2):312–9
Effects of N-acetyl-DL-methionine on the liver, GSH synthesis and plasma ALAT level in male Bom:NMRI mice. Skoglund LA, et al. **Gen Pharmacol** 1986;17(6):647–9
Ammonia kinetics in eight patients with liver disease and in dogs. de Bruijn KM, et al. **Hepatogastroenterology** 1987 Feb;34(1):1–4
Induction of cystine transport activity in isolated rat hepatocytes by sulfobromophthalein and other electrophilic agents. Bannai S, et al. **Hepatology** 1986 Nov–Dec; 6(6):1361–8
Influence of branched-chain amino acids and branched-chain keto acids on protein synthesis in isolated hepatocytes. Base W, et al. **Hepatology** 1987 Mar–Apr;7(2):324–9
Determination of iron to phosphorus ratios of iron storage compounds in patients with iron overload: a chemical and electron probe X-ray microanalysis. Cleton MI, et al. **Hepatology** 1986 Sep–Oct;6(5):848–51
Secretory component-dependent binding of immunoglobulin A in the rat, monkey and human: a comparison of intestine and liver. Daniels CK, et al. **Hepatology** 1987 May–Jun; 7(3):517–21
Hepatic metabolism during acute ethanol administration: a phosphorus-31 nuclear magnetic resonance study on the perfused rat liver under normoxic or hypoxic conditions. Desmoulin F, et al. **Hepatology** 1987 Mar–Apr;7(2):315–23
Regulation of low density lipoprotein receptor activity in primary cultures of human hepatocytes by serum lipoproteins. Havekes LM, et al. **Hepatology** 1986 Nov–Dec;6(6):1356–60
Stimulatory effects of ethanol on amino acid transport by rat fetal hepatocytes. Heitman DW, et al. **Hepatology** 1987 Mar–Apr;7(2):307–14
Metabolic state of the rat liver with ethanol: comparison of in vivo 31phosphorus nuclear magnetic resonance spectroscopy with freeze clamp assessment. Helzberg JH, et al. **Hepatology** 1987 Jan–Feb;7(1):83–8
Hereditary defect of hepatobiliary cysteinyl leukotriene elimination in mutant rats with defective hepatic anion excretion. Huber M, et al. **Hepatology** 1987 Mar–Apr; 7(2):224–8
Increased prolyl hydroxylase activity and collagen synthesis in hepatocyte cultures exposed to superoxide. Hussain MZ, et al. **Hepatology** 1987 May–Jun;7(3):502–7
The disposition of 6-deoxyacyclovir, a xanthine oxidase-activated prodrug of acyclovir, in the isolated perfused rat liver. Jones DB, et al. **Hepatology** 1987 Mar–Apr;7(2):345–8
The effect of changes in the fluid state of rat liver plasma membrane on the transport of taurocholate. Mills PR, et al. **Hepatology** 1987 Jan–Feb;7(1):61–6
Ethanol and amino acid uptake by hepatocytes. Mitchell MC, et al. **Hepatology** 1987 Mar–Apr;7(2):390–2
Liver levels of vitamin A and cellular retinol-binding protein for patients with biliary atresia. Ong DE, et al. **Hepatology** 1987 Mar–Apr;7(2):253–6
Rat liver endothelial cells have a greater capacity than Kupffer cells to endocytose N-acetylglucosamine- and mannose-terminated glycoproteins. Praaning-van Dalen DP, et al. **Hepatology** 1987 Jul–Aug;7(4):672–9
Decreased uptake of taurocholate and ouabain by hepatocytes isolated from cirrhotic rat liver. Reichen J, et al. **Hepatology** 1987 Jan–Feb;7(1):67–70
The effects of ethanol and hyperosmotic perfusates on albumin synthesis and release. Rothschild MA, et al. **Hepatology** 1986 Nov–Dec;6(6):1382–5
The synthesis of proteoglycans in fat-storing cells of rat liver. Schäfer S, et al. **Hepatology** 1987 Jul–Aug;7(4):680–7
Receptor-mediated uptake of asialoglycoprotein by the primate liver initiates both lysosomal and transcellular pathways. Schiff JM, et al. **Hepatology** 1986 Sep–Oct; 6(5):837–47
Recent advances in hepatic vitamin K metabolism and function. Suttie JW. **Hepatology** 1987 Mar–Apr;7(2):367–76 (138 ref.)
The mechanisms of iron uptake by fetal rat hepatocytes in culture. Trinder D, et al. **Hepatology** 1986 Sep–Oct; 6(5):852–8
Lactosylation of albumin reduces uptake rate of dibromosulfophthalein in perfused rat liver and dissociation rate from albumin in vitro. van der Sluijs P, et al. **Hepatology** 1987 Jul–Aug;7(4):688–95
The role of an albumin receptor in hepatic organic anion uptake: the controversy continues. Wolkoff AW. **Hepatology** 1987 Jul–Aug;7(4):777–9
Gluconeogenic-glycolytic capacities and metabolic zonation in liver of rats with streptozotocin, non-ketotic as compared to alloxan, ketotic diabetes. Miethke H, et al. **Histochemistry** 1986;85(6):483–9
Characterization of insulin receptors in liver membranes and isolated hepatocytes during rat ontogenic development. Blázquez E, et al. **Horm Metab Res** 1986 Oct;18(10):666–71
Vasopressin decreases total free fatty acids but enhances release of radioactivity from isolated hepatocytes labelled with [3H]arachidonic acid. Hughes BP, et al. **Horm Metab Res** 1987 Jan;19(1):15–20
Effect of severe iron deficiency on T3 generation by rat liver homogenates. Kalk WJ, et al. **Horm Metab Res** 1987 Jul; 19(7):342–3
Effect of gonadectomy and exogenous sex hormone administration on the concentrations of hepatic oestrogen receptors and hepatic atypical sex hormone binding protein (HASP) in the rat. Lax ER, et al. **Horm Metab Res** 1986 Dec;18(12):814–7
Calcitonin and hepatic fatty acid synthesis: effect of thyroparathyroidectomy on the elevation of ATP citrate lyase activity by refeeding of starved rats. Yamaguchi M, et al. **Horm Metab Res** 1987 Apr;19(4):152–5
Accumulation of uroporphyrin does not provoke further inhibition of liver uroporphyrinogen decarboxylase activity in hexachlorobenzene-induced porphyria. Adjarov DG, et al. **IARC Sci Publ** 1986;(77):467–9
Ability of several hexachlorobenzene metabolites to decrease rat-liver porphyrinogen carboxy-lyase and to produce porphyrin accumulation in chick-embryo liver. Billi SC, et al. **IARC Sci Publ** 1986;(77):471–6
Genetic factors regulating zinc concentrations in mice spleen and liver: relationship with the H-2 complex. Henrotte JG, et al. **Immunogenetics** 1987;25(6):408–10
A quantitative analysis of H-2 linked effects on hepatic ganglioside composition. Kemp JD, et al. **Immunogenetics** 1987;26(3):130–7
The effect of oxygen tension on rat hepatocytes in short-term culture. Suleiman SA, et al. **In Vitro Cell Dev Biol** 1987 May;23(5):332–8
Effects of lead toxicity on liver and spleen ferritins in rats. Santra M, et al. **Indian J Biochem Biophys** 1986 Oct; 23(5):291–3
Inductive changes in hepatic metallothionein profile in the climbing perch, Anabas testudineus (Bloch) by industrial pollutants. Chatterjee S, et al. **Indian J Exp Biol** 1986 Jul; 24(7):455–7
Role of adrenal steroids in retention and utilization of vitamin B6 in liver. David S, et al. **Indian J Exp Biol** 1986 Apr; 24(4):213–6
Effect of bilateral hysterectomy on the liver protein metabolism in albino rats. Venkata Rami Reddy K, et al. **Indian J Exp Biol** 1986 Dec;24(12):795–6
Impairment of drug clearance in patients with diabetes mellitus & liver cirrhosis. Narang AP, et al. **Indian J Med Res** 1987 Mar;85:321–5
Effect of acetaldehyde on hepatic & blood lipids. Prasanna CV, et al. **Indian J Med Res** 1987 Feb;85:206–11
Role of interleukin-1 in the depression of liver drug metabolism by endotoxin. Ghezzi P, et al. **Infect Immun** 1986 Dec;54(3):837–40
Inflammation-induced synthesis of proteoheparan sulfate: a novel acute-phase reactant in rat hepatocytes. Djovkar A, et al. **Inflammation** 1987 Mar;11(1):39–46
Variation of incorporation of [3H]orotic acid into the nucleotide and RNA fractions of different parts of the same liver lobe in the rat. Andersson M, et al. **Int J Biochem** 1987;19(8):745–8
"Pyruvate recycling" and its influence on the estimation of the pentose pathway in intact liver and Morris hepatoma 5123TC cells. Arora KK, et al. **Int J Biochem** 1987; 19(2):147–58
Short and long term effects of ethanol on glycerolipid synthesis from palmitate in fasted rat hepatocytes. Castro J, et al. **Int J Biochem** 1987;19(7):595–9
Cholesterol metabolism and sterol carrier protein-2 (non-specific lipid transfer protein). Geelen MJ, et al. **Int J Biochem** 1987;19(7):619–23
Cellular energy charge in the heart and liver of the rat. The effects of ethanol and acetaldehyde. Gillam E, et al. **Int J Biochem** 1986;18(11):1031–8
Calcium binding proteins: purification of hepatocalcin-55 from bovine liver. Gültekin H, et al. **Int J Biochem** 1987; 19(8):671–7
Influence of streptozotocin upon the induction of tyrosine aminotransferase, the content of NAD and of 5-methyl cytosine in rat liver. Kröger H, et al. **Int J Biochem** 1986; 18(9):821–7
The effect of alkaline phosphatase on the activation of glucocorticoid-receptor complexes in rat liver cytosol. Matić G, et al. **Int J Biochem** 1986;18(9):841–5
Phospholipid composition modifications influence phospholipase A2 activity in rat liver plasma membranes. Momchilova AB, et al. **Int J Biochem** 1986;18(10):945–52
Iron mobilization from isolated hepatocytes. Mostert LJ, et al. **Int J Biochem** 1986;18(11):1061–4
Phytanic acid alpha oxidation in rat liver: studies on alpha hydroxylation. Muralidharan FN, et al. **Int J Biochem** 1987; 19(8):663–70
Turnover of ribosomal proteins in regenerating rat liver after partial hepatectomy. Nikolov EN, et al. **Int J Biochem** 1987;19(2):159–63
Histone binding to isolated rat liver nuclei. Park KS, et al. **Int J Biochem** 1987;19(5):455–9
D-galactosamine induced changes in rat liver plasma membranes lipid composition and some enzyme activities.

Petkova DH, et al. **Int J Biochem** 1987;19(3):289–91

An early effect of estradiol at hepatic level, previous to its protein synthesis activation. Sanchez-Bueno A, et al. **Int J Biochem** 1987;19(1):93–6

Mode of action of bestatin and leupeptin to induce the accumulation of acid soluble peptides in rat liver in vivo and the properties of the accumulated peptides. The important role of bestatin- and leupeptin-sensitive proteases in the protein degradation pathway in vivo. Takahashi S, et al. **Int J Biochem** 1987;19(5):401–12

Antipyrine kinetics following tetanus vaccination. Descotes J, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Nov; 24(11):625–6

Distribution of 46Sc and 51Cr in tumor-bearing animals and the mechanism for accumulation in tumor and liver. Ando A, et al. **Int J Rad Appl Instrum [B]** 1987;14(2):143–51

67Ga binding to sulfated proteoglycan in normal and CCl4-damaged liver. Sasaki T, et al. **Int J Rad Appl Instrum [B]** 1986;13(5):573–6

Studies on the lysosomal binding of 141Ce, 239Np, 239Pu and 241Am in rat and Syrian hamster liver using carrier-free electrophoresis. Seidel A, et al. **Int J Rad Appl Instrum [B]** 1986;13(5):515–8

Species of the 67Ga-binding acid mucopolysaccharide in liver [letter] Weiner RE. **Int J Rad Appl Instrum [B]** 1987; 14(2):157–9

Uptake and clearance of plutonium-238 from liver cells transplanted into fat pads of F344 rats. Brooks AL, et al. **Int J Radiat Biol** 1986 Oct;50(4):631–9

Plasma and liver cholesterol concentrations in mice fed semipurified diets differing in the amount of cholesterol and type of fat. Beynen AC. **Int J Vitam Nutr Res** 1986; 56(4):387–90

Protein bound folates in liver of castrated rats. Formiggini G, et al. **Int J Vitam Nutr Res** 1987;57(1):59–63

Hepatic CoA, S-acyl-CoA, biosynthetic precursors of the coenzyme and pantothenate-protein complexes in dietary pantothenic acid deficiency. Moiseenok AG, et al. **Int J Vitam Nutr Res** 1987;57(1):71–7

Effect of hydrogenated fat and cholesterol on liver lipids in rats. Schal PS, et al. **Int J Vitam Nutr Res** 1987;57(1):103

Liver adenine nucleotide metabolism during ischemia and reperfusion of mice livers studied by phosphorous-31 nuclear magnetic resonance. Lee RG, et al. **Invest Radiol** 1987 Jun;22(6):479–83

Gluconeogenesis in isolated lamb hepatocytes. Looney MC, et al. **J Anim Sci** 1987 Jan;64(1):283–94

Characterization of xenobiotic biotransformation in hepatic, renal and gut tissues of cattle and sheep. Watkins JB 3d, et al. **J Anim Sci** 1987 Jul;65(1):186–95

Kinetics of benzylpenicillin metabolism in isolated rat hepatocytes. Tamai I, et al. **J Antibiot (Tokyo)** 1987 Apr; 40(4):533–41

In-vitro antibiotic inactivation by mammalian cell and killed bacterial preparations. Hunt GH, et al. **J Antimicrob Chemother** 1987 May;19(5):637–46

Mechanisms of toxicity of 2- and 5-hydroxy-1,4-naphthoquinone; absence of a role for redox cycling in the toxicity of 2-hydroxy-1,4-naphthoquinone to isolated hepatocytes. d'Arcy Doherty M, et al. **J Appl Toxicol** 1987 Apr; 7(2):123–9

Evidence of differential hematopoietic compensation to lead intoxication in blood, liver and kidney. Hollebone BR, et al. **J Appl Toxicol** 1986 Dec;6(6):419–24

The quantity of protein-bound [32P]phosphotyrosine in hepatocytes and fibroblasts. The effects of tyrosine protein kinase activating agents. Ekman P, et al. **J Biochem (Tokyo)** 1987 Apr;101(4):863–70

Oxidation and esterification of geometrical and positional isomers of octadecenoic acids in perfused rat liver. Ide T, et al. **J Biochem (Tokyo)** 1986 Dec;100(6):1561–8

Calcitonin-induced phosphorylation of rat liver cytosolic proteins. Inaba M, et al. **J Biochem (Tokyo)** 1986 Sep; 100(3):591–5

Hepato-renal transport of phenolsulfonphthalein in analbuminemic rats: albumin is essential for hepatic compensatory elimination of a nephrophilic ligand in animals with renal dysfunction. Inoue M, et al. **J Biochem (Tokyo)** 1986 Jul;100(1):201–6

Immunoblotting analysis of plasma protein processing in the secretory pathway of rat liver: identification of proteolytic conversion sites of complement pro-C3 and prohaptoglobin. Oda K, et al. **J Biochem (Tokyo)** 1986 Dec; 100(6):1669–75

Effect of starvation and refeeding on autophagy and heterophagy in rat liver. Ohshita T, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):623–32

Biosynthesis of membrane polypeptides of rat liver peroxisomes. Suzuki Y, et al. **J Biochem (Tokyo)** 1987 Feb; 101(2):491–6

Ontogenic changes in metabolism and transport of glutathione in the rat. Taniguchi M, et al. **J Biochem (Tokyo)** 1986 Dec;100(6):1457–63

Transplasmalemma electron transport is changed in simian virus 40 transformed liver cells. Sun IL, et al. **J Bioenerg Biomembr** 1986 Dec;18(6):471–85

Gluconeogenesis from fructose predominates in periportal regions of the liver lobule. Anundi I, et al. **J Biol Chem** 1987 Jul 15;262(20):9529–34

Cellular catabolism of recombinant tissue-type plasminogen activator. Identification and characterization of a novel high affinity uptake system on rat hepatocytes. Bakhit C, et al. **J Biol Chem** 1987 Jun 25;262(18):8716–20

Binding and processing of fibrinogen by rabbit hepatocytes. Barsigian C, et al. **J Biol Chem** 1987 Mar 15;262(8):3674–9

Degradation of serum amyloid A by isolated perfused rat liver. Bausserman LL, et al. **J Biol Chem** 1987 Feb 5; 262(4):1583–9

Alterations in inositol phosphate production during oxidative stress in isolated hepatocytes. Bellomo G, et al. **J Biol Chem** 1987 Feb 5;262(4):1530–4

Polyphosphoinositide labeling in rat liver plasma membranes is reduced by preincubation with cholera toxin. Biffen M, et al. **J Biol Chem** 1987 Jun 5;262(16):7744–50

Decreased levels of hepatic epidermal growth factor receptors in obese hyperglycemic rodents. Blackshear PJ, et al. **J Biol Chem** 1987 Sep 5;262(25):12356–64

Structural differences between liver- and muscle-derived insulin receptors in rats. Burant CF, et al. **J Biol Chem** 1986 Nov 5;261(31):14361–4

Chronic ethanol administration impairs the binding and endocytosis of asialo-orosomucoid in isolated hepatocytes. Casey CA, et al. **J Biol Chem** 1987 Feb 25;262(6):2704–10

Molecular cloning and characterization of cDNA for androgen-repressible rat liver protein, SMP-2. Chatterjee B, et al. **J Biol Chem** 1987 Jan 15;262(2):822–5

Electrophoretic separation of in vitro translation products on giant two-dimensional gels allows detailed analysis of cellular mRNAs. Colbert RA, et al. **J Biol Chem** 1986 Nov 5;261(31):14733–9

Biosynthesis and secretion of the rat core-specific lectin. Relationship of post-translational modification and assembly to attainment of carbohydrate binding activity. Colley KJ, et al. **J Biol Chem** 1987 Mar 5;262(7):3415–21

Short-term metabolic fate of [13N]ammonia in rat liver in vivo. Cooper AJ, et al. **J Biol Chem** 1987 Jan 25; 262(3):1073–80

Solubilization of the liver vasoactive intestinal peptide receptor. Hydrodynamic characterization and evidence for an association with a functional GTP regulatory protein. Couvineau A, et al. **J Biol Chem** 1986 Nov 5; 261(31):14482–9

The receptor for 2,3,7,8-tetrachlorodibenzo-p-dioxin in the mouse hepatoma cell line Hepa 1c1c7. A comparison with the glucocorticoid receptor and the mouse and rat hepatic dioxin receptors. Cuthill S, et al. **J Biol Chem** 1987 Mar 15;262(8):3477–81

Retinol and extracellular collagen matrices modulate hepatic Ito cell collagen phenotype and cellular retinol binding protein levels. Davis BH, et al. **J Biol Chem** 1987 Jul 25; 262(21):10280–6

Reconstitution of the rat liver vasopressin receptor coupled to guanine nucleotide-binding proteins. Dickey BF, et al. **J Biol Chem** 1987 Jun 25;262(18):8738–42

Evidence for inherent differences in the system A carrier from normal and transformed liver tissue. Differential inactivation and substrate protection in membrane vesicles and reconstituted proteoliposomes. Dudeck KL, et al. **J Biol Chem** 1987 Sep 15;262(26):12565–9

Apolipoprotein A-IV. A determinant for binding and uptake of high density lipoproteins by rat hepatocytes. Dvorin E, et al. **J Biol Chem** 1986 Nov 25;261(33):15714–8

The alpha-saturation and terminal events in dolichol biosynthesis. Ekström TJ, et al. **J Biol Chem** 1987 Mar 25;262(9):4090–7

Solubilization of the vasopressin receptor from rat liver plasma membranes. Evidence for a receptor X GTP-binding protein complex. Fitzgerald TJ, et al. **J Biol Chem** 1986 Dec 25;261(36):16871–7

Regulation of basal and insulin-stimulated glycogen synthesis in cultured hepatocytes. Inverse relationship to glycogen content. Fleig WE, et al. **J Biol Chem** 1987 Jan 25; 262(3):1155–60

In vivo regulation of hepatic LDL receptor mRNA in the baboon. Differential effects of saturated and unsaturated fat. Fox JC, et al. **J Biol Chem** 1987 May 25;262(15):7014–20

Structure and expression of the rat apolipoprotein E gene. Fung WP, et al. **J Biol Chem** 1986 Oct 15;261(29):13777–83

Production of acetone and conversion of acetone to acetate in the perfused rat liver. Gavino VC, et al. **J Biol Chem** 1987 May 15;262(14):6735–40

Short-term feedback regulation of cAMP by accelerated degradation in rat tissues. Gettys TW, et al. **J Biol Chem** 1987 Jan 5;262(1):333–9

Liver takes up retinol-binding protein from plasma. Gjøen T, et al. **J Biol Chem** 1987 Aug 15;262(23):10926–30

Intracellular receptors for inositol 1,4,5-trisphosphate in angiotensin II target tissues. Guillemette G, et al. **J Biol Chem** 1987 Jan 25;262(3):1010–5

beta-Oxidation of polyunsaturated fatty acids by rat liver peroxisomes. A role for 2,4-dienoyl-coenzyme A reductase in peroxisomal beta-oxidation. Hiltunen JK, et al. **J Biol Chem** 1986 Dec 15;261(35):16484–93

Partial agonism in the glucagon receptor system is a consequence of the two-state rat hepatic receptor. Horwitz EM, et al. **J Biol Chem** 1986 Oct 15;261(29):13670–6

Separation of DNA binding domain from hormone and core histone binding domains by trypsin digestion of rat liver nuclear thyroid hormone receptor. Ichikawa K, et al. **J Biol Chem** 1986 Dec 15;261(35):16540–6

Phosphatidylcholine breakdown in rat liver plasma membranes. Roles of guanine nucleotides and P2-purinergic agonists. Irving HR, et al. **J Biol Chem** 1987 Mar 15;262(8):3440–3

Transport of heparan sulfate into the nuclei of hepatocytes. Ishihara M, et al. **J Biol Chem** 1986 Oct 15; 261(29):13575–80

Involvement of phosphatidylinositol and insulin in the coordinate regulation of proteoheparan sulfate metabolism and hepatocyte growth. Ishihara M, et al. **J Biol Chem** 1987 Apr 5;262(10):4708–16

Comparison of fibronectin receptors from rat hepatocytes and fibroblasts. Johansson S, et al. **J Biol Chem** 1987 Jun 5;262(16):7819–24

Characteristics of inositol trisphosphate-mediated Ca2+ release from permeabilized hepatocytes. Joseph SK, et al. **J Biol Chem** 1986 Nov 5;261(31):14658–64

Chromatin structure and methylation state of a thyroid hormone-responsive gene in rat liver. Jump DB, et al. **J Biol Chem** 1987 Jan 15;262(2):778–84

Vitamin A deficiency alters genomic expression for fibronectin in liver and hepatocytes. Kim HY, et al. **J Biol Chem** 1987 Jan 5;262(1):365–71

Rat glutathione S-transferases supergene family. Characterization of an anionic Yb subunit cDNA clone. Lai HC, et al. **J Biol Chem** 1986 Oct 15;261(29):13793–9

Hepatic lipase. Synthesis, processing, and secretion by isolated rat hepatocytes. Laposata EA, et al. **J Biol Chem** 1987 Apr 15;262(11):5333–8

The binding components for 2,3,7,8-tetrachlorodibenzo-p-dioxin and polycyclic aromatic hydrocarbons. Separation from the rat and mouse hepatic cytosol and characterization of a light density component. Lesca P, et al. **J Biol Chem** 1987 Apr 5; 262(10):4827–35

Excretion of glutathione conjugates by primary cultured rat hepatocytes. Lindwall G, et al. **J Biol Chem** 1987 Apr 15; 262(11):5151–8

Mechanism of hepatic assimilation of dipeptides. Transport versus hydrolysis. Lochs H, et al. **J Biol Chem** 1986 Nov 15;261(32):14976–81

ATP depletion causes a reversible redistribution and inactivation of a subpopulation of galactosyl receptors in isolated rat hepatocytes. McAbee DD, et al. **J Biol Chem** 1987 Feb 15;262(5):1942–5

Synergistic inhibition of glucagon-induced effects on hepatic glucose metabolism in the presence of insulin and a cAMP antagonist. Marks JS, et al. **J Biol Chem** 1986 Dec 5; 261(34):15895–9

Compartmentation of 14CO2 in the perfused rat liver. Marsolais C, et al. **J Biol Chem** 1987 Feb 25;262(6):2604–7

Mammalian beta 1- and beta 2-adrenergic receptors. Immunological and structural comparisons. Moxham CP, et al. **J Biol Chem** 1986 Nov 5;261(31):14562–70

Biologically active, recombinant DNA in clathrin-coated vesicles isolated from rat livers after in vivo injection of liposome-encapsulated DNA. Nandi PK, et al. **J Biol Chem** 1986 Dec 15;261(35):16722–6

Glucocorticoid-dependent expression of the albumin gene in adult rat hepatocytes. Nawa K, et al. **J Biol Chem** 1986 Dec 25;261(36):16883–8

Regulation of plasma fibronectin biosynthesis by glucocorticoids in chick hepatocyte cultures. Nimmer D, et al. **J Biol Chem** 1987 Jul 25;262(21):10369–75

Early metabolic effects of platelet-derived growth factor and transforming growth factor-beta in rat liver in vivo. Reed BY, et al. **J Biol Chem** 1987 Jun 25;262(18):8712–5

Fasting and refeeding alter the insulin receptor tyrosine kinase in chicken liver but fail to affect brain insulin receptors. Simon J, et al. **J Biol Chem** 1986 Dec 25; 261(36):17081–8

Detection and quantitation of low density lipoprotein (LDL) receptors in human liver by ligand blotting, immunoblotting, and radioimmunoassay. LDL receptor protein content is correlated with plasma LDL cholesterol concentration. Soutar AK, et al. **J Biol Chem** 1986 Dec 25;261(36):17127–33

Anion inhibition of the proton pump in rat liver multivesicular bodies. Van Dyke RW. **J Biol Chem** 1986 Dec 5;261(34):15941–8

The effects of dexamethasone on in vitro collagen gene expression. Weiner FR, et al. **J Biol Chem** 1987 May 25; 262(15):6955–8

Polyanionic-binding properties of the receptor for 2,3,7,8-tetrachlorodibenzo-p-dioxin. A comparison with the glucocorticoid receptor. Wilhelmsson A, et al. **J Biol Chem** 1986 Oct 15;261(29):13456–63

Growth hormone induces two mRNA species of the serine protease inhibitor gene family in rat liver. Yoon JB, et al. **J Biol Chem** 1987 Mar 25;262(9):4284–9

Glutamine metabolism in rat hepatocytes. Stimulation by a nonmetabolizable analog of leucine. Zaleski J, et al. **J Biol Chem** 1986 Oct 25;261(30):14082–90

Differential effects of 4-iodopyrazole and 3-methylpyrazole on the metabolic activation of methylazoxymethanol to a DNA methylating species by rat liver and rat colon mucosa in vivo. Fiala ES, et al. **J Cancer Res Clin Oncol** 1987; 113(2):145–50

Comparative studies on hepatic DNA alkylation in rats by N-nitrosomethylethylamine and N-nitrosodimethylamine plus N-nitrosodiethylamine. von Hofe E, et al. **J Cancer Res Clin Oncol** 1986;112(3):205–9

Changes in surface glycopeptides after malignant transformation of rat liver cells and during the regression of hepatoma cells. Chaumeton B, et al. **J Cell Biochem**

1987 Aug;34(4):269–81
Effects of monensin on vesicular transport pathways in the perfused rat liver. Kloppel TM, et al. **J Cell Biochem** 1986; 32(3):235–45
Early hypomethylation of 2'-O-ribose moieties in hepatocyte cytoplasmic ribosomal RNA underlies the protein synthetic defect produced by CCl4. Clawson GA, et al. **J Cell Biol** 1987 Aug;105(2):705–11
Cytochrome P-450 and NADPH-cytochrome P-450 reductase are degraded in the autolysosomes in rat liver [published erratum appears in J Cell Biol 1987 Jul;105(1):609] Masaki R, et al. **J Cell Biol** 1987 May; 104(5):1207–15
Cleavage of membrane secretory component to soluble secretory component occurs on the cell surface of rat hepatocyte monolayers. Musil LS, et al. **J Cell Biol** 1987 Jun;104(6):1725–33
System A transport activity in normal rat hepatocytes and transformed liver cells: substrate protection from inactivation by sulfhydryl-modifying reagents. Chiles TC, et al. **J Cell Physiol** 1986 Dec;129(3):321–8
Intracellular binding of spin-labeled amiloride: an alternative explanation for amiloride's effects at high concentration. Costa CJ, et al. **J Cell Physiol** 1987 Mar;130(3):392–6
Studies on the metabolism of retinol-binding protein by primary hepatocytes from retinol-deficient rats. Dixon JL, et al. **J Cell Physiol** 1987 Jan;130(1):14–20
Effects of nutritional and hormonal factors on the metabolism of retinol-binding protein by primary cultures of rat hepatocytes. Dixon JL, et al. **J Cell Physiol** 1987 Jan; 130(1):6–13
Biochemical changes in liver and blood during liver fattening in rats. Bogin E, et al. **J Clin Chem Clin Biochem** 1986 Sep;24(9):621–6
Preventive effects of acute inflammation on liver cell necrosis and inhibition of heparan sulphate synthesis in hepatocytes. Gressner AM, et al. **J Clin Chem Clin Biochem** 1986 Nov; 24(11):821–9
Fibronectin is synthesized as an acute phase reactant in rat hepatocytes. Pick-Kober KH, et al. **J Clin Chem Clin Biochem** 1986 Aug;24(8):521–8
Characteristics of hepatic receptors for somatomedin-C/insulin-like growth factor I and insulin in the developing human. Chernausek SD, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):737–43
Importance of the route of intravenous glucose delivery to hepatic glucose balance in the conscious dog. Adkins BA, et al. **J Clin Invest** 1987 Feb;79(2):557–65
Effect of dexamethasone on hepatic glucose and insulin metabolism after oral glucose in conscious dogs. Chap Z, et al. **J Clin Invest** 1986 Nov;78(5):1355–61
Hepatic processing of transforming growth factor beta in the rat. Uptake, metabolism, and biliary excretion. Coffey RJ Jr, et al. **J Clin Invest** 1987 Sep;80(3):750–7
Hepatic disposition and biliary excretion of bilirubin and bilirubin glucuronides in intact rats. Differential processing of pigments derived from intra- and extrahepatic sources. Crawford JM, et al. **J Clin Invest** 1987 Apr;79(4):1172–80
Epitopes of apolipoprotein B-100 and B-48 in both liver and intestine. Expression and evidence for local synthesis in recesive abetalipoproteinemia. Dullaart RP, et al. **J Clin Invest** 1986 Nov;78(5):1397–404
Tumor necrosis factor-alpha stimulates hepatic lipogenesis in the rat in vivo. Feingold KR, et al. **J Clin Invest** 1987 Jul;80(1):184–90
Effect of chronic ethanol feeding on rat hepatocytic glutathione. Compartmentation, efflux, and response to incubation with ethanol. Fernandez-Checa JC, et al. **J Clin Invest** 1987 Jul;80(1):57–62
Hepatic glucagon metabolism. Correlation of hormone processing by isolated canine hepatocytes with glucagon metabolism in man and in the dog. Hagopian WA, et al. **J Clin Invest** 1987 Feb;79(2):409–17
Opposing effects of glucagon and triiodothyronine on the hepatic levels of messenger ribonucleic acid S14 and the dependence of such effects on circadian factors. Kinlaw WB, et al. **J Clin Invest** 1986 Oct;78(4):1091–6
Lipoprotein binding to cultured human hepatoma cells. Krempler F, et al. **J Clin Invest** 1987 Aug;80(2):401–8
Ursodeoxycholate stimulates Na+-H+ exchange in rat liver basolateral plasma membrane vesicles. Moseley RH, et al. **J Clin Invest** 1987 Sep;80(3):684–90
Study of the molecular mechanism of decreased liver synthesis of albumin in inflammation. Moshage HJ, et al. **J Clin Invest** 1987 Jun;79(6):1635–41
Cachectin/tumor necrosis factor regulates hepatic acute-phase gene expression. Perlmutter DH, et al. **J Clin Invest** 1986 Nov;78(5):1349–54
Metabolism of reverse triiodothyronine by isolated rat hepatocytes. Rooda SJ, et al. **J Clin Invest** 1987 Jun; 79(6):1740–8
3 alpha-hydroxysteroid dehydrogenase activity of the Y' bile acid binders in rat liver cytosol. Identification, kinetics, and physiologic significance. Stolz A, et al. **J Clin Invest** 1987 Feb;79(2):427–34
Cyclical oxidation-reduction of the C3 position on bile acids catalyzed by 3 alpha-hydroxysteroid dehydrogenase. II. Studies in the prograde and retrograde single-pass, perfused rat liver and inhibition by indomethacin. Takikawa H, et al. **J Clin Invest** 1987 Sep;80(3):861–6
Uptake of oleate from albumin solutions by rat liver. Failure to detect catalysis of the dissociation of oleate from albumin by an albumin receptor. Weisiger RA, et al. **J Clin Invest** 1987 Apr;79(4):1070–7
Polymorphonuclear leukocytes and the induction of alpha 2-macroglobulin synthesis. Hirata Y, et al. **J Clin Lab Immunol** 1986 Nov;21(3):125–30
Metabolic first-pass effects. Pang KS. **J Clin Pharmacol** 1986 Nov-Dec;26(8):580–2
Control of bovine hepatic fatty acid oxidation. Jesse BW, et al. **J Dairy Sci** 1986 Sep;69(9):2290–7
Aspects of the regulation of long-chain fatty acid oxidation in bovine liver. Jesse BW, et al. **J Dairy Sci** 1986 Sep; 69(9):2298–303
Development of gluconeogenesis from different substrates in newborn rabbit hepatocytes. Duée PH, et al. **J Dev Physiol** 1986 Oct;8(5):387–94
In-vitro conversion of thyroxine to tri-iodothyronine by chicken hepatic 5'-deiodinase: kinetic studies. Lam SK, et al. **J Endocrinol** 1986 Sep;110(3):441–6
Cellular interactions in the hormonal induction of alpha 2u-globulin in rat liver. Sarkar FH, et al. **J Endocrinol** 1986 Nov;111(2):205–8
Fractional hepatic extraction of insulin in man: is it constant? Bonora E, et al. **J Endocrinol Invest** 1987 Feb;10(1):45–9
The importance of liver in normal and silicotic lung-lipid homeostasis. I. Phospholipids. Eskelson CD, et al. **J Environ Pathol Toxicol Oncol** 1986 May-Aug; 6(5-6):37–46
Effect of aging on hepatic carbohydrate metabolism in septic rats. Schumer W, et al. **J Gerontol** 1987 Sep;42(5):487–90
Accumulation of hydroxyethyl starch (HES) in the liver of patients with renal failure and portal hypertension. Dienes HP, et al. **J Hepatol** 1986;3(2):223–7
Selective loss of hormonal induction of glutamate transport in primary cultures of hepatocytes from rats treated with CCl4. Gebhardt R, et al. **J Hepatol** 1987 Jun;4(3):381–9
Postobstructive subcellular organelle and biliary lipid composition in the rat. A selective increase in biliary lecithin output is not reflected by changes in organelle composition. Hardison WG, et al. **J Hepatol** 1986; 3(3):318–27
Therapeutic doses of acetaminophen stimulate the turnover of cysteine and glutathione in man. Lauterburg BH, et al. **J Hepatol** 1987 Apr;4(2):206–11
Current concepts on hepatic transport of drugs. Meijer DK. **J Hepatol** 1987 Apr;4(2):259–68 (19 ref.)
Studies of the hepatocellular uptake of the hepatobiliary scintiscanning agent 99mTc-DISIDA. Okuda H, et al. **J Hepatol** 1986;3(2):251–9
Biological efficacy of partial hepatectomy and hepatopoietin in long-term selenium-deficient mice. Vogl S, et al. **J Hepatol** 1987 Apr;4(2):212–7
Macrophage membrane interleukin 1 regulates the expression of acute phase proteins in human hepatoma Hep 3B cells. Beuscher HU, et al. **J Immunol** 1987 Sep 15; 139(6):1896–901
Receptor-mediated clearance of Aspergillus galactomannan. Bennett JE, et al. **J Infect Dis** 1987 May;155(5):1005–10
X-ray absorption studies of the copper-beta domain of rat liver metallothionein. George GN, et al. **J Inorg Biochem** 1986 Jul;27(3):213–20
Treatment of Wilson's disease with zinc: III. Prevention of reaccumulation of hepatic copper. Brewer GJ, et al. **J Lab Clin Med** 1987 May;109(5):526–31
Human liver and conjugation of catecholamines. Tyce GM, et al. **J Lab Clin Med** 1987 May;109(5):532–7
Monokines mediate decreased hepatic glucocorticoid binding in endotoxemia. Hill MR, et al. **J Leukocyte Biol** 1987 Mar; 41(3):236–41
Lecithin:cholesterol acyltransferase-induced modifications of liver perfusate discoidal high density lipoproteins from African green monkeys. Babiak J, et al. **J Lipid Res** 1986 Dec;27(12):1304–17
Evidence for an ordered reaction mechanism for bile salt: 3'phosphoadenosine-5'-phosphosulfate: sulfotransferase from rhesus monkey liver that catalyzes the sulfation of the hepatotoxin glycolithocholate. Barnes S, et al. **J Lipid Res** 1986 Nov;27(11):1111–23
Characterization of 6 alpha-hydroxylation of taurochenodeoxycholic acid in pig liver. Boström H. **J Lipid Res** 1986 Aug;27(8):807–12
Hepatocellular triglyceride synthesis and transfer to lipid droplets and nascent very low density lipoproteins. Chao FF, et al. **J Lipid Res** 1986 Nov;27(11):1174–81
Characterization of the estrogen-induced lipoprotein receptor of rat liver. Cooper AD, et al. **J Lipid Res** 1987 Jan;28(1):59–68
Nascent high density lipoproteins from liver perfusates of orotic acid-fed rats. Hamilton RL, et al. **J Lipid Res** 1986 Sep;27(9):967–78
Phosphatidylcholine synthesis for incorporation into membranes or for secretion as plasma lipoproteins by Golgi membranes of rat liver. Higgins JA, et al. **J Lipid Res** 1987 Mar;28(3):268–78
Nascent lipoproteins from recirculating and nonrecirculating liver perfusions and from the hepatic Golgi apparatus of African green monkeys. Johnson FL, et al. **J Lipid Res** 1987 May;28(5):549–64
Effect of infusion of "tris-galactosyl-cholesterol" on plasma cholesterol, clearance of lipoprotein cholesteryl esters, and biliary secretion in the rat. Kempen HJ, et al. **J Lipid Res** 1987 Jun;28(6):659–66
Regulation of bile acid synthesis in cultured rat hepatocytes: stimulation by apoE-rich high density lipoproteins. Mackinnon AM, et al. **J Lipid Res** 1987 Jul;28(7):847–55
Amino acid sequence of rat apolipoprotein A-II deduced from the nucleotide sequence of cloned cDNA. Nagashima M, et al. **J Lipid Res** 1986 Jul;27(7):706–12
Platelet-activating factor stimulates metabolism of phosphoinositides via phospholipase A2 in primary cultured rat hepatocytes. Okayasu T, et al. **J Lipid Res** 1987 Jul;28(7):760–7
Effect of apoE on triglyceride emulsion interaction with hepatocyte and hepatoma G2 cells. Oswald B, et al. **J Lipid Res** 1987 Jul;28(7):798–809
Hepatic metabolism and secretion of a cholesterol-enriched lipoprotein fraction. Stone BG, et al. **J Lipid Res** 1987 Feb; 28(2):162–72
Differential labeling of rat hepatic Golgi and serum very low density lipoprotein apoprotein B variants. Swift LL, et al. **J Lipid Res** 1987 Feb;28(2):207–15
Polychlorinated biphenyls and related compound interactions with specific binding sites for thyroxine in rat liver nuclear extracts. McKinney J, et al. **J Med Chem** 1987 Jan; 30(1):79–86
Large cation-selective pores from rat liver peroxisomal membranes incorporated to planar lipid bilayers. Labarca P, et al. **J Membr Biol** 1986;94(3):285–91
17-Iodine-123 iodoheptadecanoic acid for metabolic liver studies in humans. Höck A, et al. **J Nucl Med** 1986 Oct; 27(10):1533–9
Methods for the study of the metabolism of radiolabeled monoclonal antibodies by liver and tumor. Sands H, et al. **J Nucl Med** 1987 Mar;28(3):390–8 (37 ref.)
Alteration in the ribonucleic acids in rat liver induced by a methionine-free total parenteral nutrition solution. Aoi S, et al. **J Nutr** 1987 Apr;117(4):673–7
Development of gluconeogenesis from various precursors in isolated rat hepatocytes during starvation or after feeding a high protein, carbohydrate-free diet. Azzout B, et al. **J Nutr** 1987 Jan;117(1):164–9
Effect of dietary protein level on the first steps of glucagon action in rat liver plasma membranes. Balage M, et al. **J Nutr** 1986 Sep;116(9):1810–9
Impaired ketogenesis in iron-deficient rat pups. Bartholmey SJ, et al. **J Nutr** 1986 Nov;116(11):2180–9
A marginal vitamin A status alters the distribution of vitamin A among parenchymal and stellate cells in rat liver. Batres RO, et al. **J Nutr** 1987 May;117(5):874–9
Relative amount and ester composition of vitamin A in rat hepatocytes as a function of the method of cell preparation and of total liver stores. Batres RO, et al. **J Nutr** 1987 Jan;117(1):77–82
Chemical forms of selenium in rat tissues after administration of selenite or selenomethionine. Beilstein MA, et al. **J Nutr** 1986 Sep;116(9):1711–9
Hepatic mitochondrial and peroxisomal oxidative capacity in riboflavin deficiency: effect of age, dietary fat and starvation in rats. Brady PS, et al. **J Nutr** 1986 Oct; 116(10):1992–9
Involvement of metallothionein in the hepatic metabolism of copper. Bremner I. **J Nutr** 1987 Jan;117(1):19–29 (87 ref.)
Accumulation and metabolism of iron-dextran by hepatocytes, Kupffer cells and endothelial cells in the neonatal pig liver. Caperna TJ, et al. **J Nutr** 1987 Feb; 117(2):312–20
Metabolism of cysteine and cysteinesulfinate in rat and cat hepatocytes. de la Rosa J, et al. **J Nutr** 1987 Mar; 117(3):549–58
Respective contribution of plasma branched-chain amino acids and 2-keto acids to the hepatic metabolism of the carbon moiety of branched-chain amino acids in fed rats. Demigné C, et al. **J Nutr** 1986 Nov;116(11):2201–8
Changes in dietary zinc result in specific alterations of metallothionein concentrations in newborn rat liver. Gallant KR, et al. **J Nutr** 1987 Apr;117(4):709–16
Hepatic ketogenesis and peripheral ketone body utilization in the ruminant. Heitmann RN, et al. **J Nutr** 1987 Jun; 117(6):1174–80 (80 ref.)
Effect of dietary zinc deficiency on protein synthesis in cell-free systems isolated from rat liver. Hicks SE, et al. **J Nutr** 1987 Jul;117(7):1234–40
Effect of dietary ascorbic acid, cholesterol and PCB on cholesterol concentrations in serum and liver in a rat mutant unable to synthesize ascorbic acid. Horio F, et al. **J Nutr** 1987 Jun;117(6):1036–44
Oxygen consumption and metabolite flux of bovine portal-drained viscera and liver. Huntington GB, et al. **J Nutr** 1987 Jun;117(6):1167–73 (56 ref.)
Circadian changes in serum and liver metabolites and liver lipogenic enzymes in ad libitum- and meal-fed, lean and obese Zucker rats. Lanza-Jacoby S, et al. **J Nutr** 1986 Sep; 116(9):1798–809
Copper deficiency-induced hypercholesterolemia: effects on HDL subfractions and hepatic lipoprotein receptor activity in the rat. Lefevre M, et al. **J Nutr** 1986 Sep;116(9):1735–46
Potentiation of ethanol-induced hepatic vitamin A depletion by phenobarbital and butylated hydroxytoluene. Leo MA, et al. **J Nutr** 1987 Jan;117(1):70–6
Influence of diets with different levels of protein and energy on liver albumin content in the rat. Maurice M, et al. **J Nutr** 1986 Nov;116(11):2132–41
Rapid induction of essential fatty acid deficiency by intragastric infusion of triolein-supplemented total

parenteral nutrition solutions: evidence of increased hepatic cholesterol esterification in the rat. Ney DM, et al. **J Nutr** 1987 Apr;117(4):666–72

Metallothionein synthesis and mRNA levels in cultured hepatocytes from lethal milk mutant mice. Piletz JE, et al. **J Nutr** 1987 Jan;117(1):183–8

Dose-dependent lipotropic effect of carnitine in chronic alcoholic rats. Rhew TH, et al. **J Nutr** 1986 Nov; 116(11):2263–9

Low protein--high energy diet induces repressed transcription of albumin mRNA in rat liver. Sakuma K, et al. **J Nutr** 1987 Jun;117(6):1141–8

Effects of dietary fiber, carbohydrate, lipid and protein levels on serum and liver lipids in rats. Stewart JR, et al. **J Nutr** 1987 Apr;117(4):650–9

Dietary manipulation of the disappearance of trans-octadecenoates in rat tissues. Cho YJ, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Oct;32(5):497–506

Effects of glucose and amino acid depletions on protein synthetic parameters in liver and skeletal muscle of rats during parenteral nutrition. Kikuchi T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Dec;32(6):601–12

Nutritional design for repletion of liver and muscle glycogen during endurance exercise without inhibiting lipolysis. Saitoh S, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Aug; 32(4):343–53

Immunocytochemical application of monoclonal antibodies to rat liver glucocorticoid receptor. Teasdale J, et al. **J Pathol** 1986 Dec;150(4):227–37

Conversion of thyroxine into tri-iodothyronine in zinc deficient rat liver. Fujimoto S, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep–Oct;5(5):799–805

Effect of age on gastrointestinal and hepatic first-pass effects of levodopa in rats. Iwamoto K, et al. **J Pharm Pharmacol** 1987 Jun;39(6):421–5

Effects of glucagon on cAMP accumulation and ketogenesis in hepatocytes from euthyroid and hypothyroid rats. Shaheen O, et al. **J Pharm Pharmacol** 1987 Mar; 39(3):169–72

The influence of degradable starch microspheres on liver uptake of 5-fluorouracil after hepatic artery injection in the rat. Teder H, et al. **J Pharm Pharmacol** 1986 Dec; 38(12):939–41

Hepatic binding and Michaelis-Menten metabolism of drugs. Rubin GM, et al. **J Pharm Sci** 1986 Jul;75(7):660–3

Effect of medium-chain glycerides (MGK) on the intestinal absorption and the hepatobiliary transport of bromthymol blue. Higaki K, et al. **J Pharmacobiodyn** 1986 Jun;9(6):532–9

Hepato-biliary transport of amaranth by single pass liver perfusion in normal and carbon tetrachloride or alpha-naphthylisothiocyanate treated rats. Takahashi K, et al. **J Pharmacobiodyn** 1986 Jul;9(7):570–7

Hepatic trimethadione-oxidizing capacity remains normal in patients with extrahepatic cholelithiasis [published erratum appears in J Pharmacobiodyn 1986 Dec;9(12):1040] Tanaka E, et al. **J Pharmacobiodyn** 1986 May;9(5):506–9

Metabolism of phthalidyl theophylline in rat liver. Tonda K, et al. **J Pharmacobiodyn** 1987 Jan;10(1):15–20

Kinetics of hepatic transport of 4-methylumbelliferone in rats. Analysis by multiple indicator dilution method. Miyauchi S, et al. **J Pharmacokinet Biopharm** 1987 Feb; 15(1):25–38

A dispersion model of hepatic elimination: 1. Formulation of the model and bolus considerations. Roberts MS, et al. **J Pharmacokinet Biopharm** 1986 Jun;14(3):227–60

A dispersion model of hepatic elimination: 3. Application to metabolite formation and elimination kinetics. Roberts MS, et al. **J Pharmacokinet Biopharm** 1986 Jun; 14(3):289–308

A dispersion model of hepatic elimination: 2. Steady-state considerations--influence of hepatic blood flow, binding within blood, and hepatocellular enzyme activity. Roberts MS, et al. **J Pharmacokinet Biopharm** 1986 Jun;14(3):261–88

Hypoxia impairs conjugation and elimination of harmol in the isolated perfused rat liver. Angus PW, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):931–6

Norepinephrine: a potential modulator of the hepatic transport of taurocholate. a study in the isolated perfused rat liver. Ballet F, et al. **J Pharmacol Exp Ther** 1987 Jan; 240(1):303–7

Regulation of heme metabolism and monooxygeneses in liver and kidney: influence of therapeutically used gold compounds. Gondal JA, et al. **J Pharmacol Exp Ther** 1987 May;241(2):540–6

Endocrine regulation of the metabolism of 1-naphthol in the rat. Graham DL, et al. **J Pharmacol Exp Ther** 1987 Jul; 242(1):344–8

Efflux of naphthalene oxide and reactive naphthalene metabolites from isolated hepatocytes. Richieri PR, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):485–92

alpha-Bromoisovalerylurea as model substrate for studies on pharmacokinetics of glutathione conjugation in the rat. II. Pharmacokinetics and stereoselectivity of metabolism and excretion in vivo and in the perfused liver. te Koppele JM, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):905–14

Hepatic disposition of cationic drugs bound to asialoorosomucoid: lack of coendocytosis and evidence for intrahepatic dissociation. van der Sluijs P, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):668–73

Evidence for differential binding of growth hormones to membrane and cytosolic GH binding proteins of rabbit liver. Barnard R, et al. **J Recept Res** 1986;6(3–4):209–25

Suppression of receptors for prolactin and estrogen in rat liver due to treatment with the growth hormone analogue produced by the tapeworm Spirometra mansonoides. Phares CK, et al. **J Recept Res** 1986;6(5–6):425–46

Sodium molybdate converts the RNA-associated transformed, oligomeric form of the glucocorticoid receptor into the transformed, monomeric form. Kasayama S, et al. **J Steroid Biochem** 1987 Jul;28(1):1–8

In vivo and in vitro metabolism of gomphoside, a cardiotonic steroid with doubly-linked sugar. Mutlib AE, et al. **J Steroid Biochem** 1987 Jul;28(1):65–75

Internalization of receptor and hormone after hormonal imprinting, as detected with colloidal gold labeled insulin in cultures of a permanent liver cell line. Csaba G, et al. **J Submicrosc Cytol** 1987 Jan;19(1):11–8

Effect of splenectomy on liver regeneration and polyamine metabolism after partial hepatectomy. Kubo S, et al. **J Surg Res** 1986 Oct;41(4):401–9

Galactose clearance as an estimate of effective hepatic blood flow: validation and limitations. Schirmer WJ, et al. **J Surg Res** 1986 Nov;41(5):543–56 (100 ref.)

Postoperative alterations in interorgan glutamine exchange in enterectomized dogs. Souba WW, et al. **J Surg Res** 1987 Feb;42(2):117–25

Comparison of hepatic protein synthesis in vivo versus in vitro in the tumor-bearing rat. Warren RS, et al. **J Surg Res** 1987 Jan;42(1):43–50

The effect of soman poisoning on the rate of RNA synthesis in vivo and in isolated nuclei. Sevaljevic L, et al. **J Toxicol Clin Exp** 1986 Sep–Oct;6(5):297–305

The metabolism of trichloroethylene and its metabolites in the perfused liver. Kawamoto T, et al. **J Toxicol Sci** 1987 May;12(2):87–96

Minor burns lead to major changes in synthesis rates of plasma proteins in the liver. Dickson PW, et al. **J Trauma** 1987 Mar;27(3):283–6

Failure of TPN supplementation to improve liver function, immunity, and mortality in thermally injured patients. Herndon DN, et al. **J Trauma** 1987 Feb;27(2):195–204

Hepatic glycolytic intermediates in fed and fasted rats after severe hemorrhage. Schumer W, et al. **J Trauma** 1986 Nov; 26(11):1009–12

Relationship between maternal serum vitamin A and vitamin A status of the corresponding fetuses. Ganguly C, et al. **J Trop Pediatr** 1986 Dec;32(6):287–9

Antipyrine disposition in calves. I. Effects of some drugs. Depelchin BO, et al. **J Vet Pharmacol Ther** 1987 Mar; 10(1):49–53

Serum constituents and liver photomicrographs of wild Suncus murinus in the south of Taiwan. Lin SC, et al. **Jikken Dobutsu** 1987 Jan;36(1):57–63

Prior dietary protein intake and DNA-binding 7,12-dimethylbenz[a]anthracene metabolites formed by isolated rat hepatocytes. Singletary KW, et al. **JNCI** 1987 Apr;78(4):727–33

Postoperative parenteral nutrition with high supply of branched-chain amino acids: effects on nitrogen balance and liver protein synthesis. Kirvelä O, et al. **JPEN J Parenter Enteral Nutr** 1986 Nov–Dec;10(6):574–7

Metabolic activation and covalent binding to nucleic acids of carcinogenic heterocyclic amines from cooked foods and amino acid pyrolysates. Kato R, et al. **Jpn J Cancer Res** 1987 Apr;78(4):297–311 (70 ref.)

Fumaric acid enhances DNA synthesis of rat hepatocytes by counteracting the toxicities of mitomycin C and aflatoxin B1. Kuroda K, et al. **Jpn J Cancer Res** 1986 Aug; 77(8):750–8

Methylation of hepatitis B virus DNA and liver-specific suppression of RNA production in transgenic mouse. Yamamura K, et al. **Jpn J Cancer Res** 1987 Jul;78(7):681–8

Effects of vasopressin, angiotensin II and phenylephrine on hepatic ketogenesis and fatty acid synthesis. Nomura T, et al. **Jpn J Pharmacol** 1986 Aug;41(4):525–32

Drug metabolizing activity in rats with chronic liver injury induced by carbon tetrachloride: relationship with the content of hydroxyproline in the liver. Okuno H, et al. **Jpn J Pharmacol** 1986 Jul;41(3):363–71

Reduced cholestatic potency of taurolithocholate during backward perfusion of the rat liver. Baumgartner U, et al. **Lab Invest** 1987 Jun;56(6):576–82

Microscopic fluorometric analysis of Na-fluorescein transport in the smallest secretory unit (couplet hepatocytes) and the effects of cytochalasin B. Watanabe S, et al. **Lab Invest** 1987 Feb;56(2):146–50

Hepatic bile nucleation and gallstone disease [letter] van Erpecum KJ, et al. **Lancet** 1987 Jan 10;1(8524):103

Red blood cells: a new major modality for acetaldehyde transport from liver to other tissues. Baraona E, et al. **Life Sci** 1987 Jan 19;40(3):253–8

Hepatic prolactin binding is rapidly altered by endotoxin in lactating mice. Carr JK, et al. **Life Sci** 1987 Sep 21; 41(12):1507–15

The organ distribution and circulation time of intravenously injected colloidal carriers sterically stabilized with a block copolymer--poloxamine 908. Illum L, et al. **Life Sci** 1987 Jan 26;40(4):367–74

Species differences in metabolism of ketotifen in rat, rabbit and man: demonstration of similar pathways in vivo and in cultured hepatocytes. Le Bigot JF, et al. **Life Sci** 1987 Mar 2;40(9):883–90

Down-regulation of rat liver beta-adrenergic receptors by cysteine. Loo G, et al. **Life Sci** 1986 Oct 27;39(17):1555–61

Histamine and hepatic glutathione in the mouse. Roberts SM, et al. **Life Sci** 1987 May 25;40(21):2103–10

The hepatic binding and uptake kinetics of epidermal growth factor: studies with isolated rat hepatocytes. Rush GF, et al. **Life Sci** 1987 Feb 16;40(7):679–85

Hepatic clearance of somatostatin and gastrin-releasing peptide. Wolfe MM, et al. **Life Sci** 1987 Jan 26;40(4):335–42

Lack of regression of preestablished gallstones in mice. Beynen AC. **Lipids** 1987 Jul;22(7):542–3

Bile lipid secretion in isolated perfused rat liver. A model for metabolic studies. Henry JC, et al. **Lipids** 1987 Jan; 22(1):1–5

Effects of parenteral nutrition with high doses of linoleate on the developing human liver and brain. Martinez M, et al. **Lipids** 1987 Mar;22(3):133–8

The influence of dietary manipulation with n-3 and n-6 fatty acids on liver and plasma phospholipid fatty acids in rats. Nassar BA, et al. **Lipids** 1986 Oct;21(10):652–6

Effects of phorbol esters, A23187 and vasopressin on oleate metabolism in isolated rat hepatocytes. Nomura T, et al. **Lipids** 1987 Jul;22(7):474–9

Changes in lipids in liver and serum of rats fed a histidine-excess diet or cholesterol-supplemented diets. Ohmura E, et al. **Lipids** 1986 Dec;21(12):748–53

Regulation of liver cell ganglioside composition by extracellular fluid viscosity. Yedgar S, et al. **Lipids** 1986 Oct;21(10):629–33

Congenital intrahepatic cholestasis with pigment deposits and abnormal bile acid metabolism. A variant of Dubin-Johnson's syndrome? Bremmelgaard A, et al. **Liver** 1987 Feb;7(1):31–7

The fate of electron opaque tracers (horseradish peroxidase and lanthanum chloride) during valproic acid-induced choleresis. Jezequel AM, et al. **Liver** 1986 Dec;6(6):341–9

Sepsis and cholestasis: the in vitro effects of bacterial products on 14C-taurocholate uptake by isolated rat hepatocytes. Minuk GY, et al. **Liver** 1986 Aug;6(4):199–204

Fluorine-19 NMR spectroscopic studies of the metabolism of 5-fluorouracil in the liver of patients undergoing chemotherapy. Wolf W, et al. **Magn Reson Imaging** 1987; 5(3):165–9

In vitro proton T1 and T2 studies on rat liver: analysis of multiexponential relaxation processes. Barthwal R, et al. **Magn Reson Med** 1986 Dec;3(6):863–75

The hepatic lysosomes in acute experimental pancreatitis in dogs. Długosz J. **Mater Med Pol** 1986 Jul–Sep;18(3):144–7

The effects of ageing and chronic dietary restriction on in vivo hepatic protein synthesis in the rat. Merry BJ, et al. **Mech Ageing Dev** 1987 Jul;39(2):189–99

Increased fatty acid uptake, a factor in increased hepatic triacylglycerol synthesis in aging rats. Murthy VK, et al. **Mech Ageing Dev** 1986 Nov 28;37(1):49–54

Genetic expression of complement factors and alpha 1-acid glycoprotein by liver tissue during senescence. Rutherford MS, et al. **Mech Ageing Dev** 1986 Aug;35(3):245–54

Acute elevation of free fatty acid levels leads to hepatic insulin resistance in obese subjects. Bevilacqua S, et al. **Metabolism** 1987 May;36(5):502–6

Interactions of propionate and carnitine metabolism in isolated rat hepatocytes. Brass EP, et al. **Metabolism** 1987 Aug;36(8):781–7

Lack of effect of beta-endorphin on basal or glucagon-stimulated hepatic glucose production in vitro. Brubaker PL, et al. **Metabolism** 1987 May;36(5):432–7

Effect of glipizide on hepatic fructose 2,6-bisphosphate concentration and glucose metabolism. Cabello MA, et al. **Metabolism** 1987 Aug;36(8):738–42

Net hepatic lactate balance following mixed meal feeding in the four-day fasted conscious dog. Davis MA, et al. **Metabolism** 1987 Sep;36(9):856–62

Insulin resistance in uremia: in vitro model in the rat liver using human serum to study mechanisms. Folli F, et al. **Metabolism** 1986 Nov;35(11):989–98

Hepatic glucose extraction in normal and diabetic man. Kalant N, et al. **Metabolism** 1987 Jun;36(6):513–20

Alterations in metabolite levels in carbohydrate and energy metabolism of rat in hemorrhagic shock and sepsis. Mori E, et al. **Metabolism** 1987 Jan;36(1):14–20

Impairments in hepatocyte phosphoinositide metabolism in endotoxemia. Rodriguez de Turco E, et al. **Metabolism** 1987 Aug;36(8):753–60

Free amino acid levels in muscle and liver of a patient with glucagonoma syndrome. Roth E, et al. **Metabolism** 1987 Jan;36(1):7–13

Insulin effects on apolipoprotein B lipoprotein synthesis and secretion by primary cultures of rat hepatocytes. Sparks CE, et al. **Metabolism** 1986 Dec;35(12):1128–36

Lack of effect of somatostatin on epinephrine-stimulated glucose production in the dog. Stevenson RW, et al. **Metabolism** 1987 May;36(5):451–7

Isolation and analysis of cDNA and genomic clones of fibronectin and its receptor. Hynes RO, et al. **Methods Enzymol** 1987;144:447–63

Transport of sugar nucleotides into the lumen of vesicles derived from rat liver rough endoplasmic reticulum and Golgi apparatus. Perez M, et al. **Methods Enzymol** 1987; 138:709–15

Measurement of subcellular sites of polyphosphoinositide metabolism in isolated rat hepatocytes. Wells WW, et al. **Methods Enzymol** 1987;141:92–9

A study on location of synthetic site which mainly synthesizes and delivers fifth component of complement system in vivo.

Geng L, et al. **Microbiol Immunol** 1986;30(12):1281–90
The hepatocellular uptake of bilirubin: current concepts and controversies. Sorrentino D, et al. **Mol Aspects Med** 1987; 9(5):405–28 (105 ref.)
In vitro release of alpha 1–acid glycoprotein RNA sequences shows fidelity with the acute phase response in vivo. Clawson GA, et al. **Mol Biol Rep** 1986;11(3):163–72
Anemia induces accumulation of erythropoietin mRNA in the kidney and liver. Bondurant MC, et al. **Mol Cell Biol** 1986 Jul;6(7):2731–3
Induction of a rapidly responsive hepatic gene product by thyroid hormone requires ongoing protein synthesis. Jacoby DB, et al. **Mol Cell Biol** 1987 Apr;7(4):1352–7
Tissue–specific expression of the mouse dioxin–inducible P(1)450 and P(3)450 genes: differential transcriptional activation and mRNA stability in liver and extrahepatic tissues. Kimura S, et al. **Mol Cell Biol** 1986 May;6(5):1471–7
Use of electroporation to introduce biologically active foreign genes into primary rat hepatocytes. Tur–Kaspa R, et al. **Mol Cell Biol** 1986 Feb;6(2):716–8
Covalent coupling of bovine growth hormone to its receptor in bovine liver membranes. Badinga L, et al. **Mol Cell Endocrinol** 1987 Jul;52(1–2):85–9
Estrogen induction of a 45 kDa secreted protein coordinately with vitellogenin in Xenopus liver. Holland LJ, et al. **Mol Cell Endocrinol** 1987 Jan;49(1):63–73
Physicochemical properties of the triiodothyronine nuclear receptor from tadpole liver, intestine and tail fin. Jaffe RC. **Mol Cell Endocrinol** 1987 Jul;52(1–2):137–42
Hormonal control of glucose production and pyruvate kinase activity in isolated rat liver cells: influence of hypothyroidism. Laville M, et al. **Mol Cell Endocrinol** 1987 Apr;50(3):247–53
In vitro evidence that hypothyroidism modifies glucocorticoid receptors. Leseney AM, et al. **Mol Cell Endocrinol** 1987 Jul;52(1–2):1–10
Solubilization and reconstitution of vasopressin V1 receptors of rat liver. Aiyar N, et al. **Mol Pharmacol** 1987 Jul; 32(1):34–6
Effect of beta–naphthoflavone on mitochondrial supply of reducing equivalents for monooxygenation in periportal and pericentral regions of the liver lobule. Belinsky SA, et al. **Mol Pharmacol** 1987 Aug;32(1):315–20
Further studies on the interactions between the calcium mobilization and cyclic AMP pathways in guinea pig hepatocytes. Burgess GM, et al. **Mol Pharmacol** 1986 Oct; 30(4):315–20
Effects of histamine on the metabolism of isolated rat hepatocytes: roles of H1– and H2–histamine receptors. García–Sáinz JA, et al. **Mol Pharmacol** 1987 Mar; 31(3):253–8
High yield photoaffinity labeling of angiotensin II receptors. Guillemette G, et al. **Mol Pharmacol** 1986 Dec;30(6):544–51
Diminished pentose cycle flux in perfused livers of ethanol–fed rats. Reinke LA, et al. **Mol Pharmacol** 1987 Jun;31(6):631–7
Solvolysis and metabolic degradation, by rat liver, of the ultimate carcinogen, N–sulfonoxy–2–acetylaminofluorene. Smith BA, et al. **Mol Pharmacol** 1987 Apr;31(4):438–45
A novel radiolabeled vasopressin antagonist: [3H–Phe]–desGlyd(CH2)5D–Tyr(Et)VAVP, [3H]–SK&F 101926. Stassen FL, et al. **Mol Pharmacol** 1987 Mar; 31(3):267–72
Oxygen–dependent effect of microsomes on the binding of doxorubicin to rat hepatic nuclear DNA. Wallace KB, et al. **Mol Pharmacol** 1987 Mar;31(3):307–11
Xenobiotics, drug metabolism, and liver injury. Farber JL. **Monogr Pathol** 1987;(28):43–53 (39 ref.)
Mechanisms of butylated hydroxytoluene–mediated modulation of 2–acetylaminofluorene mutagenicity in rat and human hepatocyte/Salmonella assays. Chipman JK, et al. **Mutat Res** 1987 Mar;187(3):105–12
Metallothionein protein variants generated in rat liver as a result of DNA and RNA ethylations by the carcinogen diethylnitrosamine. Jauch A, et al. **Mutat Res** 1986 Dec; 164(6):361–7
Dependence on intact cells for the in vitro activation of dimethylnitrosamine to an immunosuppressive form. Johnson KW, et al. **Mutat Res** 1987 Aug;182(4):211–21
Mutagenic activity and structure–activity relationships of short–chain dialkyl N–nitrosamines in a hamster hepatocyte V79 cell–mediated system. Langenbach R. **Mutat Res** 1986 Dec;163(3):303–11
Hepatocyte–mediated SCE induction by indirect mutagens: importance of hepatocyte density and cell–to–cell contact. Madle E, et al. **Mutat Res** 1987 Jun;188(2):153–60
Comparison of the continuous rat hepatoma cell line 2sFou with primary rat hepatocyte cultures for the induction of DNA repair synthesis by nitrosamines, benzo[a]pyrene and hydroxyurea. Rossberger S, et al. **Mutat Res** 1987 Feb; 182(1):41–51
Comparison of metabolic activation of carcinogens in human, rat, and hamster hepatocytes. Synder S, et al. **Mutat Res** 1987 Feb;182(1):31–9
Suppressed mutagenicity of benzo[a]pyrene by the liver S9 fraction and microsomes from eugenol–treated rats. Yokota H, et al. **Mutat Res** 1986 Dec;172(3):231–6
A glucagon fragment is responsible for the inhibition of the liver Ca2+ pump by glucagon. Mallat A, et al. **Nature** 1987 Feb 12–18;325(6105):620–2
Steroid–free glucocorticoid receptor binds specifically to mouse mammary tumour virus DNA. Willmann T, et al. **Nature** 1986 Dec 18–31;324(6098):688–91
Increased clearance rate of prednisone in the isolated perfused liver of uremic rats. Egfjord W, et al. **Nephron** 1987;45(1):53–8
Properties of the 3'–phosphoadenosine–5'–phosphosulfate (PAPS) synthesizing systems of brain and liver. Matsuo K, et al. **Neurochem Res** 1987 Apr;12(4):345–9
Specific labelling of high–affinity vasoactive intestinal peptide receptors in rat liver membranes by a growth hormone–releasing factor analog. Robberecht P, et al. **Neuroendocrinology** 1986;44(1):108–11
Nuclease sensitivity and methylation of liver chromatin DNA in rats in initial period of effect of glucocorticoids. Romanov GA, et al. **Neurosci Behav Physiol** 1986 Jul–Aug; 16(4):285–9
Manipulation of glutathione contents fails to alter dopaminergic nigrostriatal neurotoxicity of N–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP) in the mouse. Perry TL, et al. **Neurosci Lett** 1986 Oct 8; 70(2):261–5
Usability of repeated liver biopsies for estimation of drug residue in calf liver. Takahashi Y, et al. **Nippon Juigaku Zasshi** 1986 Oct;48(5):873–8
Dual tissue–specific expression of apo–AII is directed by an upstream enhancer. Shelley CS, et al. **Nucleic Acids Res** 1987 May 11;15(9):3801–21
DNase I hypersensitivity and methylation of the 5'–flanking region of the alpha 1–fetoprotein gene during developmental and glucocorticoid–induced repression of its activity in rat liver. Turcotte B, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):9827–41
Studies on the synthesis of the hypermodified base isolated from rat liver phenylalanine transfer ribonucleic acid. Itaya T, et al. **Nucleic Acids Symp Ser** 1986;(17):49–51
BP metabolism and the in vivo binding to hepatic DNA of rats fed diets containing menhaden fish oil. Dharwadkar SM, et al. **Nutr Cancer** 1987;10(3):163–70
Dietary effects on diurnal variation in lipogenesis. **Nutr Rev** 1987 May;45(5):157–8
Effect of parenteral linoleate on fatty acid composition of infant brain and liver. **Nutr Rev** 1987 Aug;45(8):232–4 (12 ref.)
The enzymes and kinetics of hepatic retinol metabolism. **Nutr Rev** 1986 Sep;44(9):311–4 (10 ref.)
Pyridoxine deficiency and phospholipid metabolism. **Nutr Rev** 1986 Oct;44(10):340–2
Regulation of aromatic amino acid catabolism. **Nutr Rev** 1986 Nov;44(11):377–9 (9 ref.)
Pharmacokinetic approach to the estimation of hepatic removal of insulin. Berzins R, et al. **Pancreas** 1986; 1(6):544–9
Pharmacology of antimicrobial agents in children with hepatic dysfunction. Lebel MH. **Pediatr Infect Dis** 1986 Nov–Dec;5(6):686–90
Hepatic erythropoiesis in infants of diabetic mothers: a morphometric study. Singer DB. **Pediatr Pathol** 1986; 5(3–4):471–9
Respiratory characteristics of neonatal rat hepatocytes. Aw TY, et al. **Pediatr Res** 1987 May;21(5):492–6
Effect of acetylsalicylic acid on fatty acid omega–hydroxylation in rat liver. Okita R. **Pediatr Res** 1986 Dec;20(12):1221–4
Absence of an acinar gradient for bile acid uptake in developing rat liver. Suchy FJ, et al. **Pediatr Res** 1987 Apr; 21(4):417–21
Enhanced binding of 3H–arginine8–vasopressin in the Brattleboro rat. Shewey LM, et al. **Peptides** 1986 Jul–Aug; 7(4):701–4
Pharmacokinetics in liver disease. Breimer DD. **Pharm Weekbl [Sci]** 1987 Apr 24;9(2):79–84 (18 ref.)
The influence of binding to albumin and alpha 1–acid glycoprotein on the clearance of drugs by the liver. Meijer DK, et al. **Pharm Weekbl [Sci]** 1987 Apr 24;9(2):65–74 (54 ref.)
Metabolic interactions of phencyclidine (PCP) and delta 9–tetrahydrocannabinol (THC) in the rat. Lamé MW, et al. **Pharmacol Biochem Behav** 1986 Oct;25(4):827–33
Effect of tauroursodeoxycholate feeding, with or without taurine supplementation on hepatic bile acids and cholesterol metabolism in the hamster. Bellentani S, et al. **Pharmacol Res Commun** 1987 May;19(5):327–39
The interaction of rifamycin–SV with the hepatic transport and sulfation of taurolithocolic acid in rats. Bonazzi P, et al. **Pharmacol Res Commun** 1986 Aug;18(8):675–85
Lipid peroxidation induced by N–acetylcysteine in isolated rat hepatocytes. Dore M, et al. **Pharmacol Res Commun** 1986 Aug;18(8):699–705
Hydroperoxide metabolism in vitamin E–deficient hepatocytes. Studies on low–level chemiluminescence, lipid peroxidation, and glutathione status. Romero FJ, et al. **Pharmacol Ther** 1987;33(1):179–86
Effects of cadmium on superoxide dismutase and lipid peroxidation in liver and kidney of growing rats: in vivo and in vitro studies. Hussain T, et al. **Pharmacol Toxicol** 1987 May;60(5):355–8
The metabolite ratio as a function of chloral hydrate dose and intracellular redox state in the perfused rat liver. Kawamoto T, et al. **Pharmacol Toxicol** 1987 May; 60(5):325–9
Metabolization of 14C–N–acetylpenicillamine and 14C–cysteine in relation to 1–chloro–2,4–dinitrobenzene and sulphobromophtalein conjugation and biliary excretion in the rat. Refsvik T. **Pharmacol Toxicol** 1987 Feb; 60(2):125–8
Use of three probes to assess the influence of sex on hepatic drug metabolism. Bachmann KA, et al. **Pharmacology** 1987; 35(2):88–93
Effects of noncatechol sympathomimetics on glucose output by hepatocytes from normal and dexamethasone–treated rats. Parker VD, et al. **Pharmacology** 1986;33(5):279–85
In vivo and in vitro effects of amrinone and milrinone on hepatic xenobiotic metabolism in rats. Raza H, et al. **Pharmacology** 1987;35(2):79–87
Effect of acetylosalicylic acid and naproxen on collagen solubility and heterogeneity in the rat liver. Kucharz EJ, et al. **Pharmazie** 1987 Feb;42(2):117–8
Transport dynamics of the hepato–biliary system: a mathematical model allied to Tc 99m IDA scintigraphy. Marshall EA, et al. **Phys Med Biol** 1987 Jun;32(6):719–35
Food deprivation dissociates pancreatic glucagon's effects on satiety and hepatic glucose production at dark onset. Geary N, et al. **Physiol Behav** 1987;39(4):507–11
Regulation of corticosterone metabolism in liver cell fractions in young and adult rats: cofactor requirements, effects of stress and phenobarbital treatment. Rehulka J, et al. **Physiol Bohemoslov** 1987;36(1):21–32
Effect of the hepatocarcinogen ethionine on hepatic steroid synthesis. Hancock RL, et al. **Physiol Chem Phys** 1974; 6(3):239–44
Disruption of the plasma membrane leads to an influx of Na+ and Cl– but not an efflux of K+ in mouse hepatocytes and erythrocytes. Cameron IL, et al. **Physiol Chem Phys Med NMR** 1986;18(2):133–6
A rat liver cell–free system for the synthesis of proteins and their transport into mitochondria. Felipo V. **Physiol Chem Phys Med NMR** 1986;18(1):25–32
Effect of L–2–oxothiazolidine–4–carboxylate administration on glutathione and cysteine concentrations in guinea pig liver and kidney. Nishina H, et al. **Physiol Chem Phys Med NMR** 1987;19(1):9–13
Interaction of monensin with dietary vanadium, potassium, and protein, and its effect on hepatic rubidium and potassium in chicks. Cervantes HM, et al. **Poult Sci** 1986 Aug;65(8):1591–7
Effect of dietary buffer additions on gain, efficiency, duodenal pH, and copper concentration in liver of Eimeria acervulina–infected chicks. Fox MC, et al. **Poult Sci** 1987 Mar;66(3):500–4
Effects of pantethine supplementation to diets with different energy cereals on hepatic lipogenesis of laying hens. Hsu JC, et al. **Poult Sci** 1987 Feb;66(2):280–8
Influence of diet composition on hepatic lipid deposition in two lines of Australorps selected for liver fat differences. Jensen LS. **Poult Sci** 1987 Apr;66(4):700–4
Diet and the excretion and enterohepatic cycling of estrogens. Gorbach SL, et al. **Prev Med** 1987 Jul; 16(4):525–31
A genetic analysis of extinction: trans–regulation of 16 liver–specific genes in hepatoma–fibroblast hybrid cells. Chin AC, et al. **Proc Natl Acad Sci USA** 1987 Mar; 84(6):1614–8
Sequence analysis of a cDNA clone encoding the liver cell adhesion molecule, L–CAM. Gallin WJ, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2808–12
Cloning and characterization of human liver cDNA encoding a protein S precursor. Hoskins J, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):349–53
Purification and characterization of rat liver nuclear thyroid hormone receptors. Ichikawa K, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3420–4
Effects of glucagon and vasopressin on hepatic Ca2+ release. Kraus–Friedmann N. **Proc Natl Acad Sci USA** 1986 Dec; 83(23):8943–6
Presence of the peroxisomal 22–kDa integral membrane protein in the liver of a person lacking recognizable peroxisomes (Zellweger syndrome). Lazarow PB, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9193–6
Poly(ADP–ribose) may signal changing metabolic conditions to the chromatin of mammalian cells. Loetscher P, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1286–9
Mevinolin, an inhibitor of cholesterol synthesis, induces mRNA for low density lipoprotein receptor in livers of hamsters and rabbits. Ma PT, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8370–4
Developmental and tissue–specific regulation of the Q10 class I gene by DNA methylation. Tanaka K, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7598–602
Liver–specific expression of the mouse alpha–fetoprotein gene is mediated by cis–acting DNA elements. Widen SG, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8196–200
Diminished hepatic growth hormone receptor binding in sex–linked dwarf broiler and leghorn chickens. Leung FC, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):234–8
Iron–induced accumulation of hepatic metallothionein: the lack of glucocorticoid involvement. McCormick CC. **Proc Soc Exp Biol Med** 1987 Sep;185(4):413–9
Heparin is not metabolized by the perfused rat liver. Owens MR, et al. **Proc Soc Exp Biol Med** 1986 Dec;183(3):339–42
Dolichol synthesis in liver slices of streptozotocin diabetic rats. Sharma C, et al. **Proc Soc Exp Biol Med** 1987 Jul; 185(3):347–51
Oxygen consumption and oxidative capacity of hepatocytes from young male obese and nonobese Zucker rats. Wardlaw GM, et al. **Proc Soc Exp Biol Med** 1986 Nov;

183(2):199–206
Inhibition of thiobarbituric acid reactive products in rat liver homogenate by extracts from pollen grains. Poovaiah BP, et al. **Proc West Pharmacol Soc** 1987;30:67–9
Cytotoxic lipid peroxidation products. Esterbauer H, et al. **Prog Clin Biol Res** 1987;236A:245–52
Protection by ebselen against endotoxin shock in rats or mice sensitized by galactosamine. Konz KH, et al. **Prog Clin Biol Res** 1987;236A:281–8
Perturbation of transmembrane signaling mechanisms in acute and chronic endotoxemia. Spitzer JA, et al. **Prog Clin Biol Res** 1987;236A:401–18
Inhibition of complement-mediated hepatic thromboxane production by mepacrine, a phospholipase inhibitor. Flynn JT. **Prostaglandins** 1987 Feb;33(2):287–99
Mechanism of complement-mediated thromboxane production by the perfused rabbit liver: lack of effect of dantrolene sodium. Flynn JT. **Prostaglandins Leukotrienes Med** 1987 May;27(2–3):93–103
Changes of N-6 and N-3 fatty acids in liver from spontaneously hypertensive (SHR) and normotensive rats after diets supplemented with alpha-linolenic or eicosapentaenoic acids. Singer P, et al. **Prostaglandins Leukotrienes Med** 1987 Jul;28(2):183–93
Interactions between monosaccharides and disaccharides during uptake by the perfused liver of rat. Ibu JO, et al. **Q J Exp Physiol** 1986 Oct;71(4):599–607
Hydrolysis of WR2721 by mouse liver cell fractions. Nakamura J, et al. **Radiat Res** 1987 Jan;109(1):143–52
The subcellular distribution of 238Pu and 239Pu in primary cultures of rat hepatocytes. Schuler F, et al. **Radiat Res** 1987 Jun;110(3):362–71
Tissue and subcellular distribution of bismuth radiotracer in the rat: considerations of cytotoxicity and microdosimetry for bismuth radiopharmaceuticals. Zidenberg-Cherr S, et al. **Radiat Res** 1987 Jul;111(1):119–29
Distribution of iodized oil within the liver after hepatic arterial injection. Miller DL, et al. **Radiology** 1987 Mar; 162(3):849–52
Changes in rat liver cyclo(His-Pro) binding sites upon castration and testosterone administration. Sora YH, et al. **Regul Pept** 1987 Jul;18(1):1–5
Total protection from hypoxic liver damage by fructose. Anundi I, et al. **Res Commun Chem Pathol Pharmacol** 1987 Jan;55(1):111–6
Effects of ethanol on calcium transport across the liver cell plasma membrane. Bernstein J, et al. **Res Commun Chem Pathol Pharmacol** 1987 Apr;56(1):49–74
The synthesis of the adenosyl-moiety of S-adenosylethionine in liver of rats fed DL-ethionine. Brada Z, et al. **Res Commun Chem Pathol Pharmacol** 1987 Apr;56(1):133–6
Albumin as a potential membrane transport barrier for hepatic clearance of diazepam studied by a universal organ clearance approach. Chiou WL. **Res Commun Chem Pathol Pharmacol** 1987 Apr;56(1):121–4
Increased glutathione (GSH) content in livers of control and carbon tetrachloride poisoned rats treated with the anticalmodulin drug trifluoperazine (TFP). de Ferreyra EC, et al. **Res Commun Chem Pathol Pharmacol** 1986 Sep; 53(3):399–402
Methotrexate increases glycogenolysis in the intact rat liver. de Oliveira MB, et al. **Res Commun Chem Pathol Pharmacol** 1986 Aug; 53(2):173–81
High and low affinity sites associated with the binding of [3H]guanyl-5'-yl imidodiphosphate to liver plasma membranes. Graham SM, et al. **Res Commun Chem Pathol Pharmacol** 1987 Jun; 56(3):301–20
Kinetic evidences of enhancing interaction of small liposomes with hepatic parenchymal cells mediated by large liposomes blockade. Hwang KJ, et al. **Res Commun Chem Pathol Pharmacol** 1986 Dec; 54(3):417–20
Acute and chronic effect of ethanol on hepatic albumin synthesis in rat liver in vitro. Ohtake H, et al. **Res Commun Chem Pathol Pharmacol** 1986 Aug; 53(2):213–31
Prostaglandin synthesis and early biochemical events in the liver cells during the acute-phase response. Piccoletti R, et al. **Res Commun Chem Pathol Pharmacol** 1987 Jun; 56(3):291–300
Effect of Fluosol-DA hemodilution on the kinetics of hepatically eliminated drugs. Shrewsbury RP. **Res Commun Chem Pathol Pharmacol** 1987 Mar; 55(3):375–96
Long-term changes in mitochondrial outer membrane enzymes and microsomal enzymes involved in drug and heme metabolism during 2-acetylaminofluorene feeding. Yoshida T, et al. **Res Commun Chem Pathol Pharmacol** 1987 Feb;55(2):227–41
Effects of intravenously administered tetra-thiomolybdate on the distribution of copper in the liver and kidney of copper loaded sheep: a histochemical study. Kumaratilake JS, et al. **Res Vet Sci** 1987 Mar;42(2):154–61
Estrogen binding in rat liver during pregnancy. Caballero-Corcuera MJ, et al. **Rev Esp Fisiol** 1987 Mar; 43(1):1–6
The incorporation of iron into chicken apoferritin in the presence of ceruloplasmin. Herraez A, et al. **Rev Esp Fisiol** 1987 Mar;43(1):95–9
Effect of chronic inflammation on copper and zinc metabolism. Oliva JC, et al. **Rev Esp Fisiol** 1987 Mar; 43(1):25–31
Tissue uptake of biologically modified low density lipoprotein in the rat. Henriksen T, et al. **Scand J Clin Lab Invest** 1987 May;47(3):269–75
Eicosapentaenoic- and arachidonic acid metabolism in isolated liver cells. Christophersen BO, et al. **Scand J Clin Lab Invest [Suppl]** 1986;184:55–60 (35 ref.)
The effect of omeprazole on gastric acidity and the absorption of liver cobalamins. Kittang E, et al. **Scand J Gastroenterol** 1987 Mar;22(2):156–60
Factors affecting the impaired hepatic uptake of chylomicron remnants in the cholestatic rat. Landin B, et al. **Scand J Gastroenterol** 1987 Mar;22(2):225–32
Hepatic production of biliary IgM in the rat. Dahlgren UI, et al. **Scand J Immunol** 1986 Nov;24(5):615–9
The influence of subcutaneously administered lead(II) acetate on the concentrations of copper, iron, and zinc in the blood, kidney, liver, and spleen of rats. Gasiorowski K, et al. **Sci Total Environ** 1987 Jun;64(1–2):117–23
Expression of functional cell-cell channels from cloned rat liver gap junction complementary DNA. Dahl G, et al. **Science** 1987 Jun 5;236(4806):1290–3
Nutritional and metabolic support following acute hepatic trauma. Broom J, et al. **Scott Med J** 1986 Oct;31(4):251–2
Hepatic activity on perfusion lung images. Richards-Carty C, et al. **Semin Nucl Med** 1987 Jan;17(1):85–6
Distribution of fluorodeoxyuridine uptake in the liver and colorectal hepatic metastases of human beings after arterial infusion. Ridge JA, et al. **Surg Gynecol Obstet** 1987 Apr; 164(4):319–23
Pentoxifylline improves tissue oxygenation after hemorrhagic shock. Waxman K, et al. **Surgery** 1987 Aug;102(2):358–61
Low serum 25-hydroxy-calciferols and intact hepatic 25-hydroxylation in patients with decompensated post-necrotic hepatic cirrhosis. Tsai KS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Jan;86(1):33–8
Studies on the expression of liver-specific functions of human fetal hepatocytes in primary culture. Nagao M, et al. **Tohoku J Exp Med** 1987 May;152(1):23–9
Control of growth and amino acid transport of mature rat hepatocytes by human newborn serum. Oyanagi K, et al. **Tohoku J Exp Med** 1987 May;152(1):31–4
Induction of metallothionein by steroids in rat primary hepatocyte cultures. Bracken WM, et al. **Toxicol Appl Pharmacol** 1987 Mar 15;87(3):381–8
Induction of hepatic metallothionein by alcohols: evidence for an indirect mechanism. Bracken WM, et al. **Toxicol Appl Pharmacol** 1987 Feb;87(2):257–63
Induction of hepatic metallothionein following administration of urethane. Brzenicka EA, et al. **Toxicol Appl Pharmacol** 1987 Mar 15;87(3):457–63
Species characteristics of the hepatic xenobiotic and steroid biotransformation systems of two teleost fish, Atlantic cod (Gadus morhua) and rainbow trout (Salmo gairdneri). Goksøyr A, et al. **Toxicol Appl Pharmacol** 1987 Jul; 89(3):347–60
In vivo studies on the relationship between hepatic metabolism and the renal toxicity of 1-(2-chloroethyl)-3-(trans-4-methylcyclohexyl)-1-nitrosourea (MeCCNU). Kramer RA, et al. **Toxicol Appl Pharmacol** 1986 Sep 15;85(2):221–30
tert.-Butyl hydroperoxide metabolism and stimulation of the pentose phosphate pathway in isolated rat hepatocytes. Rush GF, et al. **Toxicol Appl Pharmacol** 1986 Sep 30; 85(3):324–31
Dose-dependent elevation of Ah receptor binding by TCDD in rat liver. Sloop TC, et al. **Toxicol Appl Pharmacol** 1987 May;88(3):329–37
Utilization of methionine as a sulfhydryl source for metallothionein synthesis in rat primary hepatocyte cultures. Stein AF, et al. **Toxicol Appl Pharmacol** 1987 Feb; 87(2):276–83
Metabolic activation of the pesticide azinphos-methyl by perfused mouse livers. Sultatos LG, et al. **Toxicol Appl Pharmacol** 1987 Sep 15;90(2):227–34
Intrinsic metabolic clearance of parathion and paraoxon by livers from fish and rodents. Wallace KB, et al. **Toxicol Appl Pharmacol** 1987 Sep 15;90(2):235–42
The accumulation of pyrophosphate by rat hepatocytes. Gitomer WL, et al. **Toxicol Ind Health** 1986 Sep; 2(3):299–307
Locoregional application of 5-fluorouracil to the liver: alteration of pharmacokinetics and bone marrow toxicity in rats with thioacetamide-induced cirrhosis. Aguiar JL, et al. **Toxicol Lett** 1987 Apr;36(2):181–8
Changes in liver polyamines due to aflatoxin B1. Chaturvedi A, et al. **Toxicol Lett** 1986 Nov;34(1):1–4
Metabolism of caffeine to 6-amino-5-[N-methylformylamino]-1,3-dimethyluracil in the isolated, perfused liver from control or phenobarbital-, beta-naphthoflavone- and 3-methylcholanthrene-pretreated rats. Guaitani A, et al. **Toxicol Lett** 1987 Sep;38(1-2):55–66
Binding of mercury to metallothionein-like protein in fetal liver of the guinea pig following in utero exposure to mercury vapor. Yoshida M, et al. **Toxicol Lett** 1987 Jun; 37(1):1–6
4-Hydroxynonenal and other aldehydes produced in the liver in vivo after bromobenzene intoxication. Benedetti A, et al. **Toxicol Pathol** 1986;14(4):457–61
Glutathione synthesis in normal liver and in Yoshida AH-130 hepatoma. Biocca ME, et al. **Toxicol Pathol** 1986; 14(4):415–6
HMP-shunt and cholesterol metabolism in experimental models involving normal and preneoplastic liver growth. Columbano A, et al. **Toxicol Pathol** 1987;15(1):43–50
Endogenous formaldehyde does not produce detectable DNA-protein crosslinks in rat liver. Lutz WK. **Toxicol Pathol** 1986;14(4):462–5
Detection of free radical intermediates in the oxidative metabolism of carcinogenic hydrazine derivatives. Tomasi A, et al. **Toxicol Pathol** 1987;15(2):178–83
The cholecystohepatic circulation of trichloroethylene and its metabolites in dogs. Hobara T, et al. **Toxicology** 1987 Jun;44(3):283–95
Effect of N-benzyl-D-glucamine dithiocarbamate on distribution and excretion of cadmium in rats. Kojima S, et al. **Toxicology** 1987 Jul;45(1):93–102
Effects of dexamethasone injection on body retention and hepatic distribution of zinc, cadmium and metallothionein in newborn rats. Lui EM, et al. **Toxicology** 1986 Nov; 41(3):267–77
Metabolism of benzo[a]pyrene in the combined rat liver—lung perfusion system. Mollière M, et al. **Toxicology** 1987 Aug;45(2):143–54
Uptake and distribution of aluminium in rat hepatocytes and its effect on enzyme leakage and lactate formation. Müller L, et al. **Toxicology** 1987 May;44(2):203–12
Nuclear lipid peroxidation induced in rat liver by T-2 mycotoxin. Ahmed N, et al. **Toxicon** 1986;24(9):947–9
Characterization of a major hepatic calmodulin acceptor protein (CAP-60). Hanley RM, et al. **Trans Assoc Am Physicians** 1986;99:78–85
Conversion of the antihypertensive neutral renomedullary lipid by the liver. Muirhead EE, et al. **Trans Assoc Am Physicians** 1985;98:269–74
A selective defect in secretion of alpha 1-proteinase inhibitor PiZZ demonstrated in surrogate and primary extrahepatic cell culture. Perlmutter DH, et al. **Trans Assoc Am Physicians** 1985;98:47–54
Desialation of transferrin by liver endothelium: evidence for two cellular pathways for transferrin metabolism. Tavassoli M. **Trans Assoc Am Physicians** 1986;99:219–25
Liver endothelium binds, transports, and desialates ceruloplasmin which is then recognized by galactosyl receptors of hepatocytes. Tavassoli M. **Trans Assoc Am Physicians** 1985;98:370–7
Liver preservation for transplant. Evaluation of hepatic energy metabolism by 31P NMR. Lanir A, et al. **Transplantation** 1987 Jun;43(6):786–90
Coagulation factor XIII A and B subunits in bone marrow and liver transplantation. Wölpl A, et al. **Transplantation** 1987 Jan;43(1):151–3
The effect of estriol on the production of alpha-fetoprotein by the liver in adult mice. Kotani M, et al. **Virchows Arch [A]** 1987;411(1):1–4
Effects of colchicine on the hepatocellular transport of indocyanine green in the rat. Mori M, et al. **Virchows Arch [B]** 1987;53(1):37–43
The action of mouse liver and lung homogenates on the ESR signal of a spin-labelled antiviral compound. Eşanu V, et al. **Virologie** 1986 Jul-Sep;37(3):175–9
Effect of structural alterations on the biotransformation rate of glucocorticosteroids in rat and human liver. Andersson P, et al. **Xenobiotica** 1987 Jan;17(1):35–44
Effects of carbon tetrachloride on the liver of chickens. Early biochemical and ultrastructural alterations in the absence of detectable lipid peroxidation. Bernacchi AS, et al. **Xenobiotica** 1987 Feb;17(2):223–8
Influence of substrate concentration on the phase I and phase II metabolism of 4-methoxybiphenyl by rat isolated hepatocytes. Fry JR. **Xenobiotica** 1987 Jun;17(6):751–8
The induction of omega and beta-oxidation of fatty acids and effect on alpha 2u globulin content in the liver and kidney of rats administered 2,2,4-trimethylpentane. Lock EA, et al. **Xenobiotica** 1987 Apr;17(4):513–22
Pharmacokinetics of xamoterol glucuronidation in the rat in vivo and in liver perfusion. Mulder GJ, et al. **Xenobiotica** 1987 Jan;17(1):85–92
Relationship between translobular migration in perfused rat liver and hydrophobicity of dialkyl dithiolanylidenemalonates and related compounds. Murakami N, et al. **Xenobiotica** 1987 Feb;17(2):241–9
Biotransformation of methyl parathion by human foetal liver glutathione S-transferases: an in vitro study. Radulovic LL, et al. **Xenobiotica** 1987 Jan;17(1):105–14
The metabolic sulphation of polyethyleneglycols by isolated perfused rat and guinea-pig livers. Roy AB, et al. **Xenobiotica** 1987 Jun;17(6):725–32
Application of isolated hepatocytes to studies of drug metabolism in large food animals. Shull LR, et al. **Xenobiotica** 1987 Mar;17(3):345–63 (82 ref.)
Metabolism of 1-phthalidyl 5-fluorouracil in rat liver and enzyme induction by phenobarbital. Tonda K, et al. **Xenobiotica** 1987 Jun;17(6):759–68
Disposition of a soluble chromate in the isolated perfused rat liver. Wiegand HJ, et al. **Xenobiotica** 1986 Sep; 16(9):839–44
Vitamin E deficiency in rabbits receiving a high PUFA diet with and without a non-absorbable antioxidant. II. Incorporation of 14C-labelled glycine and L-leucine into liver and plasma proteins. Diehl JF, et al. **Z Ernahrungswiss** 1986 Sep;25(3):180–8

Methylation of guanine in vivo by the organophosphorus insecticide methamidophos. Zayed SM, et al. **Z Naturforsch [C]** 1987 Jan-Feb;42(1-2):17-20

The development of hepatic biotransformation (ethylmorphine-N-demethylation and ethoxycoumarin-O-deethylation) and their inducibility by phenobarbital in male rats delivered prematurely by caesarean section. Glöckner R, et al. **Z Versuchstierkd** 1986; 28(4):173-8

Hepatic capacity for ammonia removal in sheep. Orzechowski A, et al. **Zentralbl Veterinarmed [A]** 1987 Feb; 34(2):108-12

[The effect of acupuncture at renzhong on hepatic glycogen of rabbits during hemorrhagic shock--a histochemical study] Wen S, et al. **Chen Tzu Yen Chiu** 1986;11(4):263-7 (Eng. Abstr.) (Chi)

[Effect of molybdenum Mo on the alkylation of DNA in the liver of rats treated with 14C-diethylnitrosamine] Lu SX, et al. **Chung Hua Chung Liu Tsa Chih** 1987 Jan; 9(1):21-4 (Eng. Abstr.) (Chi)

[The distribution of HDL and LDL on the cell membrane of both endothelial and smooth muscle cells of the aorta as well as the liver cells in tree shrews] Liang P. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Jun;15(2):102-5 (Eng. Abstr.) (Chi)

[Metabolic derangement of glucose, bile acid and amino acids after portosystemic shunts in cirrhotic rats] Kuang RL, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Dec;24(12):705-10, 779 (Eng. Abstr.) (Chi)

[Increase in a protein of Mr 53000 in the initiation-promotion system of chemical carcinogenesis in rat liver] Zheng S, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Dec;8(6):494-7 (Eng. Abstr.) (Chi)

[Effects of Tremella polysaccharides on synthesis of protein and on glycogen content in normal and injured livers of mice] Yue W, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jul;7(4):364-7 (Eng. Abstr.) (Chi)

[Experimental study on liver injury by chlorobutadiene] Cheng TJ, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Sep;17(3):216-9 (Chi)

[Changes in the level of CCl4 and its toxic radical .CCl3 in the blood and liver in rats of both sexes] Smejkalová J, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1985; 28(3-4):391-8 (Eng. Abstr.) (Cze)

[Hepatic and duodenal biotransformation in Japanese quail (Coturnix coturnix): activities of 7-ethoxycoumarin O-deethylase and coumarin 7-hydroxylase] Rivière JL. **Ann Rech Vet** 1986;17(1):57-67 (Eng. Abstr.) (Fre)

[Biosynthesis of metabolites of 2-acetylaminofluorene by isolated hepatocytes of rats: study by gas chromatography-mass spectrometry] Diez Ibanez M, et al. **C R Soc Biol (Paris)** 1986;180(4):434-40 (Eng. Abstr.) (Fre)

[Pharmacokinetic interaction of histamine H2 receptor antagonists: mechanism and clinical implications] Mal F, et al. **Gastroenterol Clin Biol** 1987 May;11(5):387-98 (156 ref.) (Fre)

[Experimental evaluation of the biliary tract passage of ceftriaxone and its hepatic disposition] Brogard JM, et al. **Pathol Biol (Paris)** 1987 May;35(5):441-7 (Eng. Abstr.) (Fre)

[Experimental and clinical evaluation of the biliary elimination of ceftazidime] Brogard JM, et al. **Pathol Biol (Paris)** 1986 May;34(5):332-8 (Eng. Abstr.) (Fre)

[Hepatic diffusion of ceftriaxone] Lucht F, et al. **Pathol Biol (Paris)** 1986 Jun;34(5 Pt 2):559-60 (Eng. Abstr.) (Fre)

[Should drug prescriptions be modified in cirrhotic patients?] Attali P. **Presse Med** 1986 Oct 4;15(33):1661-3 (Fre)

[Bibliographic review: Quantitative variations and metabolism of lipids in adipose tissue and the liver during the gestation-lactation cycle. 1. In the rat] Chilliard Y. **Reprod Nutr Dev** 1986;26(5A):1057-103 (327 ref.) (Eng. Abstr.) (Fre)

[Fluorocarbons as artificial blood substitutes: an electron microscopy study] Caiazza S, et al. **Rev Fr Transfus Immunohematol** 1986 Dec;29(6):455-63 (Eng. Abstr.) (Fre)

[Effect of ganglionectomy (superior cervical ganglia) at normal temperature and exposure to cold on the circadian rhythm of liver glycogen and blood glucose levels of the Wistar rat with regard to the pineal gland] Peschke D, et al. **Acta Histochem (Jena)** 1986;80(2):159-74 (Eng. Abstr.) (Ger)

[Utilization of N15-labelled urea in the laying hen. 6. Incorporation in the liver and kidneys] Gruhn K, et al. **Arch Tierernahr** 1986 Dec;36(12):1113-22 (Eng. Abstr.) (Ger)

[The effect of heparin, prednisolone and triamterene on the elimination of India ink by the reticulohistiocyte system of the isolated perfused rat liver] Vömel T, et al. **Arzneimittelforschung** 1986 Sep;36(9):1353-5 (Eng. Abstr.) (Ger)

[The liver and aging. The effect of age on liver function and drug metabolism] Kuntz HD, et al. **Dtsch Med Wochenschr** 1987 May 8;112(19):757-9 (Eng. Abstr.) (Ger)

[Glucuronidation capacity of the liver. Assessment with the model substrate 4-methylumbelliferone] Kuntz HD. **Fortschr Med** 1987 Mar 20;105(8):149-52 (Eng. Abstr.) (Ger)

[Intravenous feeding--possibilities and limits in the use of glucose and xylitol following trauma and infection, with special reference to liver metabolism] Georgieff M. **Infusionsther Klin Ernahr** 1987 Jun;14(3):93-7 (Eng. Abstr.) (Ger)

[Principles of cholesterol and bile acid metabolism in the liver and small intestine (II)] Stange EF. **Leber Magen Darm** 1986 Nov;16(6):358-77 (Ger)

[Molecular principles of enterohepatic circulation of drugs and poisons] Frimmer M. **Med Klin** 1987 Apr 10; 82(7-8):281-8 (Ger)

[The effect of baldrinal on hematoipoetic cells in vitro, on the metabolic activity of the liver in vivo and on its analysis in proprietary drugs] Braun R, et al. **Planta Med** 1986 Dec; (6):446-50 (Eng. Abstr.) (Ger)

[Distribution, accumulation and excretion of Lipiodol Ultra-Fluid (LUF) following intra-arterial administration into the tumor-free liver. A computed tomography study] Hoevels J. **Rontgenpraxis** 1987 Jun;40(6):215-9 (Ger)

[Alcohol: biochemistry and health] Mörike-Zwez S. **Schweiz Rundsch Med Prax** 1987 Mar 17;76(12):293-7 (Eng. Abstr.) (Ger)

[Experimental modification of the resorption process and lead deposition in the body of the domestic duck] Cibulka J, et al. **Tierarztl Prax** 1987;15(2):155-9 (Eng. Abstr.) (Ger)

[Hepatic and peripheral insulin resistance as a cause of hyperglycemia in non-insulin-dependent (type 2) diabetes mellitus: a review] Bratusch-Marrain P, et al. **Wien Klin Wochenschr** 1987 Apr 3;99(7):211-6 (Eng. Abstr.) (Ger)

[Effect of hydrocortisone on the behavior of mediators of the adrenergic system (dopamine, noradrenaline and homovanillic acid) in the liver during experimental endotoxic shock] Barczyk J, et al. **Z Exp Chir Transplant Kunstliche Organe** 1987;20(3):144-50 (Eng. Abstr.) (Ger)

[Critical assessment of the methods of binding and degradation studies in modern hormone research exemplified by the study of glucagon metabolism of human erythrocytes and rat hepatocytes] Hildebrandt W, et al. **Z Med Lab Diagn** 1987;28(4):191-8 (Eng. Abstr.) (Ger)

[Oral galactose loading in characterizing the elimination and metabolizing performance of the liver in chronic renal failure] Otting U, et al. **Z Urol Nephrol** 1987 Jun; 80(6):341-7 (Eng. Abstr.) (Ger)

[Variation of known parameters of foreign substance-metabolizing systems in untreated mice] Heubel F. **Z Versuchstierkd** 1987;29(1-2):71-82 (Eng. Abstr.) (Ger)

[Effect of L-carnitine on various biochemical parameters of the heart, liver and serum of the hyperlipemic rat] Maccari F, et al. **Cardiologia** 1986 Jul;31(7):497-500 (Eng. Abstr.) (Ita)

[Role of the liver in the metabolism of essential trace elements] Cotrozzi G, et al. **Clin Ter** 1987 May 15; 121(3):229-38 (54 ref.) (Eng. Abstr.) (Ita)

[Metabolism of tegafur in partial hepatectomized rats] Maehara Y, et al. **Gan To Kagaku Ryoho** 1986 Oct; 13(10):3078-80 (Jpn)

[Dose, administration time and route and hepatic function-dependent metabolism of 5-FU in mice] Okamoto M, et al. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3483-90 (Eng. Abstr.) (Jpn)

[Energy metabolism of the isolated liver at subzero temperatures under the control of a newly developed system] Kusumoto K. **Hokkaido Igaku Zasshi** 1987 Mar; 62(2):220-9 (Eng. Abstr.) (Jpn)

[2-Deoxy-2-(18F)Fluoro-D-galactose: a new tracer for the evaluation of liver function by PET--I. Evaluation of toxicity and radiation dose] Fukuda H, et al. **Kaku Igaku** 1987 Feb;24(2):165-9 (Eng. Abstr.) (Jpn)

[Effects of urinastatin on hepatic energy metabolism of the rat in acute hemorrhagic shock] Kashimoto S, et al. **Masui** 1986 Oct;35(10):1495-8 (Eng. Abstr.) (Jpn)

[Effect of isoflurane anesthesia on hepatic circulation and hepatic oxygen metabolism] Matsumoto N, et al. **Masui** 1987 Apr;36(4):576-82 (Eng. Abstr.) (Jpn)

[Effects of cadmium on metal distribution in the liver and kidney and enzyme activities in the serum during inhibited metallothionein synthesis] Inoue Y, et al. **Nippon Eiseigaku Zasshi** 1986 Dec;41(5):793-9 (Eng. Abstr.) (Jpn)

[Studies on cytosol thyroid hormone binding proteins in the rat liver: Part III. Partial purification and binding characteristics of thyroxine-binding protein in hypothyroid rat liver cytosol and serum] Nanno M, et al. **Nippon Naibunpi Gakkai Zasshi** 1987 Jan 20;63(1):77-86 (Eng. Abstr.) (Jpn)

[Studies on cytosol thyroid hormone binding proteins in the rat liver: Part I. Stability and binding characteristics of thyroid hormone binding proteins] Nanno M, et al. **Nippon Naibunpi Gakkai Zasshi** 1987 Jan 20;63(1):59-68 (Eng. Abstr.) (Jpn)

[Studies on cytosol thyroid hormone binding proteins in the rat liver: Part II. Alterations of thyroid hormone binding proteins in various thyroid function states] Nanno M, et al. **Nippon Naibunpi Gakkai Zasshi** 1987 Jan 20;63(1):69-76 (Eng. Abstr.) (Jpn)

[Production of acute phase proteins in the liver. Production, release and catabolism of acute phase proteins] Kamada T, et al. **Nippon Rinsho** 1987 May;45(5):1023-31 (20 ref.) (Jpn)

[Production of acute phase proteins in the liver. Interleukin 1 and the hepatocyte stimulating factor] Matsumoto M, et al. **Nippon Rinsho** 1987 May;45(5):1032-9 (20 ref.) (Jpn)

[Production of acute phase proteins in the liver. Comparative biochemistry of acute phase proteins] Migita S, et al. **Nippon Rinsho** 1987 May;45(5):1010-22 (41 ref.) (Jpn)

[Production of acute phase proteins in the liver. Role of acute phase proteins the host defense mechanism] Wago H. **Nippon Rinsho** 1987 May;45(5):1002-9 (31 ref.) (Jpn)

[Changes in enzyme activity associated with polyamine metabolism in the rat fetal liver during the perinatal period] Ohmoto H. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Dec; 38(12):2178-86 (Eng. Abstr.) (Jpn)

[Conditions of the primary culture for rat hepatocytes and plasminogen activator release] Oshiba S, et al. **Nippon Seirigaku Zasshi** 1986;48(8):641-8 (Eng. Abstr.) (Jpn)

[Rat hypolipidemia and lipid metabolic change in the liver induced by 17 alpha ethynyl estradiol treatment] Hayashi K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep; 83(9):2022-7 (Eng. Abstr.) (Jpn)

[Effect of experimental diabetes on epidermal growth factor (EGF) receptors in the rat liver] Kashimata M, et al. **Nippon Yakurigaku Zasshi** 1987 May;89(5):253-9 (Eng. Abstr.) (Jpn)

[Effects of urinastatin on an energy metabolism disorder during shock] Sato M, et al. **Nippon Yakurigaku Zasshi** 1986 Sep;88(3):195-203 (Eng. Abstr.) (Jpn)

[Uptake of 67Ga-citrate in tissues and heparan sulfate] Kojima S. **Radioisotopes** 1986 Aug;35(8):437-45 (Jpn)

[Study on suppressed uptake by the liver in 67Ga scintigraphy] Sawada A, et al. **Radioisotopes** 1986 Sep; 35(9):473-7 (Eng. Abstr.) (Jpn)

[Liver function tests: metabolic detoxication test] Araki S, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:140-7 (20 ref.) (Jpn)

[The biochemical and morphological response of proteases and thiol protease inhibitor in the nerve tissues, liver and kidney of methylmercury chloride-treated rats] Kumamoto T, et al. **Rinsho Shinkeigaku** 1986 Jul;26(7):717-26 (Eng. Abstr.) (Jpn)

[Effects of one-day food restriction on the metabolism and toxicity of organic solvents in rats] Koyama Y, et al. **Sangyo Igaku** 1986 Mar;28(2):96-100 (Eng. Abstr.) (Jpn)

[Effect of lipid fractions isolated from Listeria monocytogenes on RNA and protein biosynthesis in the liver and spleen of rats] Paszkiewicz-Gadek A, et al. **Acta Pol Pharm** 1986;43(3):283-8 (Eng. Abstr.) (Pol)

[Binding of benzo(a)pyrene to subnuclear fractions in the rat liver] Baer-Dubowska W. **Folia Med Cracov** 1987; 28(1-2):147-53 (Eng. Abstr.) (Pol)

[Effect of ethanol and acetaldehyde on the release and activity of proteases and protein degradation in the rat liver (in vitro and in vivo studies)] Skrzydlewska E. **Folia Med Cracov** 1987;28(1-2):205-14 (Eng. Abstr.) (Pol)

[The LDL receptor: its role in maintaining cholesterol homeostasis and in arteriosclerosis] Cybulska B, et al. **Kardiol Pol** 1987;30(2):110-9 (37 ref.) (Pol)

[Experimental silicosis. Analysis of collagen levels in the heart, spleen and liver of rats in experimental silicosis] Maciejewska A. **Med Pr** 1987;38(1):45-54 (Eng. Abstr.) (Pol)

[Effect of combined therapy with cimetidine and (+)-cyanidanol-3 on the hepatic clearance of antipyrine] Adamska-Dyniewska I, et al. **Pol Arch Med Wewn** 1986 Mar;75(3):161-6 (Eng. Abstr.) (Pol)

[Alcohol and HDL (high density lipoproteins)] Wehr H. **Pol Arch Med Wewn** 1986 Jun;75(6):461-5 (25 ref.) (Pol)

[Selected factors of metabolism in ruminants fed with increasing doses of urea in the food. I. Liver function in cows in the light of the activity of selected enzymes and the levels of indicators of protein metabolism] Kwiatkowski T, et al. **Pol Arch Weter** 1986;24(3):363-73 (Eng. Abstr.) (Pol)

[Disorders of heme biosynthesis as an early indicator of liver damage caused by long-term exposure to xenobiotics] Lutz W, et al. **Pol Tyg Lek** 1987 Apr 6;42(14):419-23 (22 ref.) (Pol)

[Chronic renal failure as a factor modifying drug metabolism in the body] Orzechowska-Juzwenko K, et al. **Pol Tyg Lek** 1986 Dec 22-29;41(51-52):1638-40 (Pol)

[Regulation of the urea cycle] Garstka MZ. **Postepy Biochem** 1986;32(1-2):147-72 (193 ref.) (Pol)

[Protein activators of the biosynthesis and metabolism of cholesterol] Wojciechowski ZA. **Postepy Biochem** 1986; 32(1-2):59-78 (91 ref.) (Pol)

[Cellular mechanisms of bile production] Kuska J. **Postepy Hig Med Dosw** 1986 Mar-Apr;40(2):220-38 (103 ref.) (Eng. Abstr.) (Pol)

[Hepatic metabolism of antipyrine in patients with acute pancreatitis] Lukaszyk A. **Przegl Lek** 1987;44(2):273-6 (Eng. Abstr.) (Pol)

[Effect of the administration of sodium nitrite and amidopyrine on the nucleic acid levels in the rat liver] Urbanek-Karłowska B, et al. **Rocz Panstw Zakl Hig** 1986; 37(3):228-34 (Eng. Abstr.) (Pol)

[Acetylation phenotype and biotransformation of various drugs] Grygorowicz J, et al. **Wiad Lek** 1987 Mar 1;

40(5):319–23 (13 ref.) (Eng. Abstr.) (Pol)
[Lipid peroxidation as an effect of preparations used in anesthesiologic practice] Galeev FS, et al. **Anesteziol Reanimatol** 1986 Jul–Aug;(4):12–4 (Eng. Abstr.) (Rus)
[Changes in the lipid-accumulating cells of the liver during experimental hypervitaminosis A] Vishnevskaia EK. **Arkh Anat Gistol Embriol** 1987 Feb;92(2):67–71 (Eng. Abstr.) (Rus)
[The nature, properties and mechanism of formation of alcohol hyalin] Galkin AV. **Arkh Patol** 1986;48(10):81–6 (51 ref.) (Eng. Abstr.) (Rus)
[Changes in rat liver chromatin after administration of a mixture of amino acids] Davtian MA, et al. **Biokhimiia** 1987 May;52(5):737–42 (Eng. Abstr.) (Rus)
[Effect of hydrocortisone on the phospholipid composition and activity of various enzymes of phospholipid metabolism in the nuclear membranes of the rat liver] Gevorkian ES, et al. **Biokhimiia** 1986 Oct;51(10):1630–4 (Eng. Abstr.) (Rus)
[Characteristics of intracellular metabolism of carbohydrates and amino acids in animals with thiamine deficiency] Gorbach ZV, et al. **Biokhimiia** 1987 Jan;52(1):42–52 (Eng. Abstr.) (Rus)
[Stimulation of transcription in mouse liver cells by nitrogen oxide free radicals] Grigor'ev MIu, et al. **Biokhimiia** 1987 May;52(5):758–60 (Eng. Abstr.) (Rus)
[Formation of mevalonic acid, sterols and bile acids from [1–14C]acetyl–CoA and [2–14C]malonyl–CoA in the liver of rabbits with experimental hypercholesterolemia] Klimov AN, et al. **Biokhimiia** 1987 Feb;52(2):239–46 (Eng. Abstr.) (Rus)
[Stability of lipid oxidation products in the rat liver and pathways of their utilization] Kostiuk VA. **Biokhimiia** 1986 Aug;51(8):1392–7 (Eng. Abstr.) (Rus)
[Age–related characteristics of the metabolism of fatty acid components of nuclear phospholipids] Nikitin VN, et al. **Biokhimiia** 1986 Oct;51(10):1714–7 (Eng. Abstr.) (Rus)
[DNA methylation and interaction with glucocorticoid receptor complexes in the rat liver] Zhavoronkova EN, et al. **Biokhimiia** 1987 May;52(5):870–7 (Eng. Abstr.) (Rus)
[Proteoglycans of animal tissue and their effect on DNA synthesis] Zimina NP, et al. **Biokhimiia** 1986 Sep; 51(9):1555–61 (Eng. Abstr.) (Rus)
[Effect of extreme exposure on the intensity of autolysis in the brain and liver of rats] Mogil'nitskaia LV, et al. **Biol Nauki** 1986;(10):42–5 (Eng. Abstr.) (Rus)
[Effect of the lipid composition of liposomes on their clearance from the circulation and accumulation in the liver of mice] Burkhanov SA, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):299–301 (Eng. Abstr.) (Rus)
[Inhibition of alpha–fetoprotein synthesis in hepatocytes of adult mice by dextran sulfate in vivo and in vitro] Gleiberman AS, et al. **Biull Eksp Biol Med** 1987 Apr; 103(4):470–3 (Eng. Abstr.) (Rus)
[Compensatory and adaptive changes in the small intestine and liver of rabbits after short–term cholesterol diet] Leskova GF, et al. **Biull Eksp Biol Med** 1986 Sep; 102(9):368–71 (Eng. Abstr.) (Rus)
[Assessment of the erythropoietin–producing function of the kidney and liver under controlled perfusion] Nefedov VP, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):404–6 (Eng. Abstr.) (Rus)
[Effect of cholera enterotoxin on carbohydrate metabolism of the liver and small intestine mucosa in the rabbit] Vengrov PR, et al. **Biull Eksp Biol Med** 1987 Apr; 103(4):410–3 (Eng. Abstr.) (Rus)
[Activation of the intrastitial control of energy metabolism in the liver during increased load on its special functions and injury by hepatotoxin] Elbakidze GM, et al. **Dokl Akad Nauk SSSR** 1986;291(3):719–23 (Rus)
[Effect of the Japanese cucumaria on phospholipid metabolism in the liver of mice with solid Ehrlich carcinoma] Bulysheva VS, et al. **Eksp Onkol** 1986;8(4):70–2 (Eng. Abstr.) (Rus)
[Additional pathway of the metabolic activation of N–nitrosodiethylamine in the rat liver] Khripach LV, et al. **Eksp Onkol** 1987;9(2):46–9 (Eng. Abstr.) (Rus)
[Sodium transport systems of hepatocytes and their role in the choleretic function of the liver] Esipenko BE, et al. **Fiziol Zh** 1986 Sep–Oct;32(5):529–33 (Eng. Abstr.) (Rus)
[Role of folic acid in the compensation of disorders of protein synthesis caused by a plastics photostabilizer nitroxyl–2] Kuznetsov DA, et al. **Gig Tr Prof Zabol** 1986 Sep;(9):51–3 (Rus)
[Calculation of the concentrations of metabolites penetrating the membranes in liver cytosol and mitochondria of rats] Kaminskiĭ IuG, et al. **Izv Akad Nauk SSSR [Biol]** 1987 Mar–Apr;(2):196–202 (Eng. Abstr.) (Rus)
[Effect of inflammation and cholestasis on the metabolic function of the liver] Kogan AS, et al. **Khirurgiia (Mosk)** 1987 Feb;(2):79–81 (Eng. Abstr.) (Rus)
[Radionuclide evaluation of the intensity of beta–oxidation of fatty acids in the liver during experimental cholestasis] Matveev VA, et al. **Med Radiol (Mosk)** 1986 Sep;31(9):50–4 (Eng. Abstr.) (Rus)
[Rearrangement of nucleoli in hepatocytes stimulated for proliferation and enhancement of their transcription function] Manteĭfel' VM, et al. **Mol Biol (Mosk)** 1987 Mar–Apr;21(2):403–13 (Eng. Abstr.) (Rus)
[Intensity of acetate and propionate incorporation into the different molecular components of brain and liver glycerophospholipids] Sokolova GP, et al. **Nerv Sist** 1986; 25:130–6 (Rus)
[Activity of autophagocytosis in the lysosomes of rat liver cells during stressful metabolic processes] Malygin AE, et al. **Patol Fiziol Eksp Ter** 1986 Jul–Aug;(4):35–8 (Eng. Abstr.) (Rus)
[Role of the liver in formation of the natriuretic factor] Ivanov IuI, et al. **Probl Endokrinol (Mosk)** 1986 Sep–Oct; 32(5):63–6 (Eng. Abstr.) (Rus)
[Age and features of insulin reception by the plasma membranes of liver cells] Linnik IV, et al. **Probl Endokrinol (Mosk)** 1987 Mar–Apr;33(2):66–9 (Eng. Abstr.) (Rus)
[Effect of thyroid hormones on the expression of mitochondrial genes in liver cells of thyroidectomized rats] Minchenko AG. **Probl Endokrinol (Mosk)** 1987 Jan–Feb; 33(1):48–51 (Eng. Abstr.) (Rus)
[Evaluation of the metabolizing function of the liver in thyrotoxicosis using the antipyrine test] Salakhova NS, et al. **Probl Endokrinol (Mosk)** 1987 Jan–Feb;33(1):9–11 (Eng. Abstr.) (Rus)
[Role of protein biosynthetic processes in realizing the action of sex steroids on the level of specific estrogen–binding protein in the rat liver] Smirnova OV, et al. **Probl Endokrinol (Mosk)** 1986 Jul–Aug;32(4):66–9 (Eng. Abstr.) (Rus)
[Ammonia content of the brain, liver and blood of rats in radiation injury] Reva AD, et al. **Radiobiologiia** 1987 Jan–Feb;27(1):112–5 (Eng. Abstr.) (Rus)
[Monooxigenase activity in liver diseases (study based on data of antipyrine metabolism)] Loginov AS, et al. **Ter Arkh** 1987;59(2):84–9 (Eng. Abstr.) (Rus)
[Changes in the albumin content of mouse hepatocytes in vitro] Novikova TE, et al. **Tsitologiia** 1987 Feb;29(2):236–9 (Eng. Abstr.) (Rus)
[Prekeratin expression of simple epithelia in the cells of long–term cultured epithelial lines of the rat liver] Troianovskiĭ SM. **Tsitologiia** 1987 Jun;29(6):727–31 (Eng. Abstr.) (Rus)
[Effect of an alternating magnetic field of industrial frequency on the lipid composition of the rat liver] Chernysheva ON. **Ukr Biokhim Zh** 1987 May–Jun;59(3):91–4 (Eng. Abstr.) (Rus)
[Characteristics of hexosephosphate transformation regulation in Zajdela hepatoma and the liver of tumor–bearing rats] Golovatskiĭ ID, et al. **Ukr Biokhim Zh** 1987 Jan–Feb;59(1):95–8 (Eng. Abstr.) (Rus)
[Various metabolic reactions of formate in animal tissues] Gulyĭ MF, et al. **Ukr Biokhim Zh** 1987 Jul–Aug;59(4):29–35 (Eng. Abstr.) (Rus)
[Lipid hydroperoxide levels in the heart and liver of rats of various ages] Lemeshko VV, et al. **Ukr Biokhim Zh** 1986 Nov–Dec;58(6):67–70 (Eng. Abstr.) (Rus)
[Effect of partial hepatectomy on the state of liver chromatin in adult and old rats] Mozzhukhina TG, et al. **Ukr Biokhim Zh** 1987 Mar–Apr;59(2):22–7 (Eng. Abstr.) (Rus)
[Study of the effect of phosphorylation of histones on their interaction with DNA–cellulose] Ostapets NN, et al. **Ukr Biokhim Zh** 1987 Jan–Feb;59(1):4–10 (Eng. Abstr.) (Rus)
[The role of vasopressin and oxytocin in the regulation of glycemia levels and carbohydrate metabolism in the liver] Roĭk VI. **Ukr Biokhim Zh** 1987 Mar–Apr;59(2):73–5 (Eng. Abstr.) (Rus)
[Intensity of gluconeogenesis and carbohydrate level in the rat liver during hypokinesia] Ershikov SM. **Vopr Med Khim** 1987 Mar–Apr;33(2):87–90 (Eng. Abstr.) (Rus)
[Effect of electric stimulation of the hypothalamus on the transcription activity of chromatin in the rat liver during aging] Frol'kis VV, et al. **Vopr Med Khim** 1986 Nov–Dec; 32(6):49–52 (Eng. Abstr.) (Rus)
[Compartmentalization of Ca2+ in subcellular structures of the rat liver in chemical injury of hepatocyte membranes] Gubskiĭ IuI, et al. **Vopr Med Khim** 1986 Jul–Aug;32(4):80–5 (Eng. Abstr.) (Rus)
[Incorporation and release of cholesterol from plasma membranes of hepatocytes and Zajdela hepatoma cells] Ivanova LI, et al. **Vopr Med Khim** 1986 Sep–Oct;32(5):62–7 (Eng. Abstr.) (Rus)
[Comparative study of various biochemical and physiological parameters of isolated perfused liver of rabbits, guinea pigs and rats] Kozlov SA, et al. **Vopr Med Khim** 1987 Mar–Apr; 33(2):68–70 (Eng. Abstr.) (Rus)
[Interaction of glucocorticoids with receptors of rat liver cells during the growth of Walker carcinosarcoma] Krauialis KI, et al. **Vopr Med Khim** 1987 Jan–Feb; 33(1):33–40 (Eng. Abstr.) (Rus)
[The role of cytoplasmatic factors in post–stress changes in the RNA synthesis in the heart and liver] Meerson FZ, et al. **Vopr Med Khim** 1987 Mar–Apr;33(2):90–3 (Eng. Abstr.) (Rus)
[Fatty acid composition of liver lipids in chronic hepatitis, liver cirrhosis and fatty liver] Mokhov VM, et al. **Vopr Med Khim** 1987 May–Jun;33(3):38–42 (Eng. Abstr.) (Rus)
[Absorption of iodinated plasma lipoproteins by subpopulations of hepatocytes and sinusoid cells of the rat liver] Panin LE, et al. **Vopr Med Khim** 1986 Jul–Aug; 32(4):106–10 (Eng. Abstr.) (Rus)
[Effect of ethynyl estradiol and estradiol dipropionate on the esterification of saturated and unsaturated fatty acids in the rat liver] Sanfirova VM, et al. **Vopr Med Khim** 1987 Mar–Apr;33(2):77–83 (Eng. Abstr.) (Rus)
[Effect of food carbohydrate quality on monosaccharide utilization for the biosynthesis of glycogen, fat and proteins in the rat liver] Gapparov MM, et al. **Vopr Pitan** 1987 May–Jun;(3):41–5 (Eng. Abstr.) (Rus)
[Proteinization and biotransformation of pantothenic acid in the liver during the activation of lipogenesis] Gurinovich VA, et al. **Vopr Pitan** 1986 Nov–Dec;(6):50–4 (Eng. Abstr.) (Rus)
[Content of mineral substances in the internal organs of rats on intravenous feeding] Poriadkov LF, et al. **Vopr Pitan** 1986 Jul–Aug;(4):54–7 (Eng. Abstr.) (Rus)
[Quantification of nucleic acids in the liver of neonates during the postnatal period] Lauko L. **Bratisl Lek Listy** 1987 Feb; 87(2):148–60 (Eng. Abstr.) (Slo)
[Changes in protein metabolism in acute hypervitaminosis A, in rats] Alarcón OM, et al. **Acta Cient Venez** 1986; 37(2):162–9 (Eng. Abstr.) (Spa)
[Toxicological effects induced by the chronic intake of brominated vegetable oils] Bernal C, et al. **Arch Latinoam Nutr** 1986 Sep;36(3):432–42 (Eng. Abstr.) (Spa)
[Binding of sulfobromophthalein to hepatocytes isolated from the rat] Agüero R, et al. **Medicina (B Aires)** 1986; 46(2):191–4 (Eng. Abstr.) (Spa)
[Polymorphic hepatic acetylation in fibrocystic mastopathy] Ladero Quesada JM, et al. **Rev Clin Esp** 1987 Jun; 181(1):24–5 (Eng. Abstr.) (Spa)
[The liver and mineral elements (editorial)] Arias Vallejo E. **Rev Esp Enferm Apar Dig** 1987 Jul;72(1):61 (Spa)
[Changes in sialic acid content of the plasma membrane in hepatocellular proliferation] Coll MJ, et al. **Rev Esp Fisiol** 1986 Dec;42(4):435–9 (Eng. Abstr.) (Spa)

MICROBIOLOGY

Tubular structures in the hepatic nuclei of a patient with delta agent. Yamada G, et al. **Acta Med Okayama** 1986 Aug;40(4):225–8
Regenerative activity in acute hepatitis A virus. Autoradiographic study after in vitro incorporation of 3H–thymidine. Hassan G, et al. **Appl Pathol** 1986;4(4):282–5
Factors influencing the expression of endogenous retrovirus–related sequences in the liver of B6C3 mice. Dragani TA, et al. **Cancer Res** 1987 Feb 1;47(3):795–8
Occurrence and ultrastructural localization of duck hepatitis B virus in the liver of ducks after experimental infection. Uchida T, et al. **Hepatology** 1987 Jan–Feb;7(1):29–36
Relationship between the replication of hepatitis B virus and the localization of virus nucleocapsid antigen (HBcAg) in hepatocytes. Akiba T, et al. **J Gen Virol** 1987 Mar;68 (Pt 3):871–7
Maintenance of woodchuck hepatitis virus activity in woodchuck hepatocyte primary culture. Thézé N, et al. **J Gen Virol** 1987 Apr;68 (Pt 4):1029–39
Mechanisms of virally induced liver damage. Lever AM. **J Hepatol** 1987 Jun;4(3):399–403
Effect of human immunodeficiency virus (HIV) infection on chronic hepatitis B hepatic viral antigen display. McDonald JA, et al. **J Hepatol** 1987 Jun;4(3):337–42
In vivo study of the mechanism of action of antiviral agents against hepadna virus replication in the liver. Resistance of supercoiled viral DNA. Omata M, et al. **J Hepatol** 1986; 3 Suppl 2:S49–55
Microbial structures in a patient with sporadic non–A, non–B fulminant hepatitis treated by liver transplantation. Fagan EA, et al. **J Med Virol** 1987 Jun;22(2):189–98
Persistence of free HBV DNA in body secretions and liver despite loss of serum HBV DNA after interferon–induced seroconversion. Fagan EA, et al. **J Med Virol** 1986 Oct; 20(2):183–8
Cloning and characterization of BK virus–related DNA sequences from normal and neoplastic human tissues. Knepper JE, et al. **J Med Virol** 1987 Mar;21(3):289–99
Replication of hepatitis B virus in culture systems with adult human hepatocytes. Shimizu Y, et al. **J Med Virol** 1986 Dec;20(4):313–27
Expression of retrovirally transduced genes in primary cultures of adult rat hepatocytes. Wolff JA, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3344–8
Electron microscopy of hepatitis delta antigen (HDAg) in liver. Kojima T, et al. **Prog Clin Biol Res** 1987;234:129–36
[Intrahepatic viral DNA in 98 patients with viral hepatitis B] Wen YM. **Chung Hua I Hsueh Tsa Chih** 1986 Sep; 66(9):521–4, 574 (Eng. Abstr.) (Chi)
[Quantitative bacteriologic studies on experimentally infected laboratory animals. 3. Dynamics of germ counts in mice experimentally infected with Listeria monocytogenes] Selbitz HJ, et al. **Arch Exp Veterinarmed** 1986 Jul; 40(4):575–86 (Eng. Abstr.) (Ger)
[Behaviour of immunohistochemically demonstrated HBV antigens in chronic HBsAg–positive hepatitis in children] Borgiani L, et al. **Pathologica** 1986 Sep–Oct; 78(1057):563–72 (Eng. Abstr.) (Ita)
[Effects of adenine arabinoside on duck hepatitis B virus infection. Analysis of intrahepatic replicative DNA] Hirota K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Jan; 84(1):58–64 (Eng. Abstr.) (Jpn)

[Method for the bacteriological study of human embryonic liver cells intended for the treatment of cancer patients] Grinenko GI, et al. **Vopr Onkol** 1987;33(1):89–94 (Eng. Abstr.) (Rus)

PARASITOLOGY

Liver fibroblast proliferation in murine schistosomiasis. Dunn MA, et al. **Am J Trop Med Hyg** 1986 Nov;35(6):1185–91

Occurrence of exoerythrocytic schizonts in the liver, adrenal glands and endocardium of mice infected with erythrocytic stages of Plasmodium berghei. Prunescu CC, et al. **Arch Roum Pathol Exp Microbiol** 1986 Apr–Jun; 45(2):153–60

Intranuclear development of Plasmodium berghei in liver cells. Suhrbier A, et al. **Cell Biol Int Rep** 1986 Dec; 10(12):994

Leishmania spp.: agar plating as an alternative to limiting dilution and impression smears for the enumeration of viable parasites in tissue. Hill JO, et al. **Exp Parasitol** 1987 Feb;63(1):108–11

Schistosoma mansoni: migration potential of normal and radiation attenuated parasites in naive guinea pigs. Kamiya H, et al. **Exp Parasitol** 1987 Feb;63(1):98–107

Use of a DNA probe to measure the neutralization of Plasmodium berghei sporozoites by a monoclonal antibody. Ferreira A, et al. **J Immunol** 1987 Feb 15;138(4):1256–9

Interferon-gamma inhibits the intrahepatocytic development of malaria parasites in vitro. Schofield L, et al. **J Immunol** 1987 Sep 15;139(6):2020–5

Effect of glucan on Leishmania major infection in BALB/c mice. Al Tuwaijri AS, et al. **J Med Microbiol** 1987 Jun; 23(4):363–5

Immunoglobulins inside Schistosoma japonicum eggs from the livers of mice. Hirata M, et al. **J Parasitol** 1986 Aug; 72(4):578–82

A liver-stage-specific antigen of Plasmodium falciparum characterized by gene cloning. Guerin-Marchand C, et al. **Nature** 1987 Sep 10–16;329(6135):164–7

Schistosoma mansoni: effects of anesthetics and antimonial drugs on worm shift in the mouse. da Cunha-Melo JR, et al. **Rev Inst Med Trop Sao Paulo** 1986 Jul–Aug; 28(4):267–70

Early migration of radiolabeled larvae of Fasciola hepatica in the mouse. Han Hsu H. **Vet Parasitol** 1986 Oct; 21(4):247–54

[Histological observations on the effects of artemether, fuvinazole and niridazole on Schistosoma japonicum schistosomulae in the mouse liver] Yang YQ, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 May;7(3):276–8 (Eng. Abstr.) (Chi)

[Histological observations on schistosomula of Schistosoma japonicum in mouse lung and liver after treatment with praziquantel] Yang YQ, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Dec;6(4):285–7 (Eng. Abstr.) (Chi)

PATHOLOGY

Comparison of cytologic examination of smears and histologic examination of tissue cores obtained by fine needle aspiration biopsy of the liver. Cochand-Priollet B, et al. **Acta Cytol** 1987 Jul–Aug;31(4):476–80

Decreased plasma fibronectin in liver diseases correlated to the severity of fibrotic, inflammatory and necrotic changes of liver tissue. Jitoku M, et al. **Acta Med Okayama** 1986 Aug;40(4):189–94

Primary cultures of human livers and their albumin-producing capacity. Tokiwa T, et al. **Acta Med Okayama** 1986 Aug;40(4):209–13

Pathological study on a severe sialidosis (alpha-neuraminidase deficiency). Yamano T, et al. **Acta Neuropathol (Berl)** 1986;71(3–4):278–84

Ultrastructural study of lymphocytic interaction with hepatocytes and endothelial cells in acute non-A, non-B hepatitis. Inoue O, et al. **Acta Pathol Jpn** 1987 Feb; 37(2):207–12

Pulmonary cytoplasmic hyalin resembling Mallory's alcoholic hyalin in the liver. Nonomura A, et al. **Acta Pathol Jpn** 1986 Jun;36(6):869–78

Renal and prostatic malakoplakia associated with submassive hepatic necrosis. A case report with immunocytochemical, ultrastructural and X-ray analytical observations. Nonomura A, et al. **Acta Pathol Jpn** 1986 Aug; 36(8):1251–62

Acetaminophen toxicity in isolated hepatocytes. Davies DS, et al. **Adv Exp Med Biol** 1986;197:993–1003

Intracellular dissipative structures (IDS) as ultimate targets of chemical cytotoxicity. Ji S, et al. **Adv Exp Med Biol** 1986;197:871–89

Hepatic pathological changes due to hydroxyalkenals. Wilson DW, et al. **Adv Exp Med Biol** 1986;197:853–60

Hepatoprotection by malotilate against carbon tetrachloride-alcohol-induced liver fibrosis. Siegers CP, et al. **Agents Actions** 1986 Aug;18(5–6):600–3

Nodular regenerative hyperplasia of the liver: clinical and radiologic observations. Dachman AH, et al. **AJR** 1987 Apr;148(4):717–22

Hepatic regenerating nodules in hereditary tyrosinemia. Day DL, et al. **AJR** 1987 Aug;149(2):391–3

MR imaging of hepatic focal nodular hyperplasia: characterization and distinction from primary malignant hepatic tumors. Mattison GR, et al. **AJR** 1987 Apr; 148(4):711–5

Hepatocellular carcinoma: MR appearance mimicking focal nodular hyperplasia. Wilbur AC, et al. **AJR** 1987 Oct; 149(4):721–2

Nonparenchymal liver cells and granulomas during lamprey biliary atresia. Youson JH, et al. **Am J Anat** 1987 Jun; 179(2):155–68

Complete chemotherapeutic regression of hepatic metastases with resultant hepar lobatum. Chin NW, et al. **Am J Gastroenterol** 1987 Feb;82(2):149–51

The liver in acquired immune deficiency syndrome: emphasis on patients with intravenous drug abuse. Dworkin BM, et al. **Am J Gastroenterol** 1987 Mar;82(3):231–6

Nodular regenerative hyperplasia with portal hypertension in a patient with myasthenia gravis. Eliakim R, et al. **Am J Gastroenterol** 1987 Jul;82(7):674–6

Hepatic tissue in gastroscopic biopsy: evidence of hepatic penetration by peptic ulcer. Guerrieri C, et al. **Am J Gastroenterol** 1987 Sep;82(9):890–3

Nodular regenerative hyperplasia of the liver associated with idiopathic membranous glomerulonephritis. Haratake J, et al. **Am J Gastroenterol** 1987 Jul;82(7):677–80

Comparison between nonalcoholic steatohepatitis and alcoholic hepatitis. Itoh S, et al. **Am J Gastroenterol** 1987 Jul;82(7):650–4

Propylthiouracil-induced fatal hepatic necrosis. Limaye A, et al. **Am J Gastroenterol** 1987 Feb;82(2):152–4

Nodular hyperplasia of the liver in primary biliary cirrhosis of early histological stages. Nakanuma Y, et al. **Am J Gastroenterol** 1987 Jan;82(1):8–10

Bile peritonitis after liver biopsy: nonsurgical management of a patient with an acute abdomen: a case report with review of the literature. Ruben RA, et al. **Am J Gastroenterol** 1987 Mar;82(3):265–8 (24 ref.)

Bile peritonitis and hemobilia after percutaneous liver biopsy: endoscopic retrograde cholangiopancreatography demonstration of bile leak. Taylor JD, et al. **Am J Gastroenterol** 1987 Mar;82(3):262–4

Diarrhea and abdominal pain in a 64-year-old man [clinical conference] **Am J Med** 1987 Jun;82(6):1195–202

Hepatic fibrosis in the mucopolysaccharidoses. Parfrey NA, et al. **Am J Med** 1986 Nov;81(5):825–9

Diagnosis of hepatic amyloidosis by fine needle aspiration biopsy [letter] Yebra M, et al. **Am J Med** 1987 Jun; 82(6):1275–6

Hyperkalemia provoked by acute hepatic necrosis. Bercovitch DD, et al. **Am J Nephrol** 1986;6(4):296–301

Portal branch ligation in the rat. Reevaluation of a model. Rozga J, et al. **Am J Pathol** 1986 Nov;125(2):300–8

Fructose prevents hypoxic cell death in liver. Anundi I, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):G390–6

The relationship of ornithine decarboxylase and thymidine kinase to mirex-induced liver growth. Yarbrough JD, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):G859–65

The use of morphometry in the study of nodular and vascular lesions of the liver. Wanless IR. **Anal Quant Cytol Histol** 1987 Mar;9(1):39–41

comparison of pharmacological properties of cyclophosphamide and its enantiomers. Kleinrok Z, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(3):263–73

Hepatic ultrastructural change and liver dysfunction in amyotrophic lateral sclerosis [letter] Fisman M. **Arch Neurol** 1987 Oct;44(10):997

Hepatic ultrastructural changes and liver dysfunction in amyotrophic lateral sclerosis. Nakano Y, et al. **Arch Neurol** 1987 Jan;44(1):103–6

Hepatic disease associated with ground-glass inclusions in hepatocytes after cyanamide therapy. Bruguera M, et al. **Arch Pathol Lab Med** 1986 Oct;110(10):906–10

Hepar lobatum associated with chemotherapy and metastatic breast cancer. Qizilbash A, et al. **Arch Pathol Lab Med** 1987 Jan;111(1):58–61

The histopathology and biochemistry of phenobarbitone-induced liver nodules in C3H mice. Gangolli SD, et al. **Arch Toxicol [Suppl]** 1987;10:95–107

Mechanism of damage to liver cells after chronic exposure to low doses of cadmium chloride. Morselt AF, et al. **Arch Toxicol [Suppl]** 1987;11:213–5

The role of necrosis in hepatocellular proliferation and liver tumors. Newberne PM, et al. **Arch Toxicol [Suppl]** 1987; 10:54–67

Species differences in the hepatotoxicity of paracetamol are due to differences in the rate of conversion to its cytotoxic metabolite. Tee LB, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):1041–52

Evidence for the involvement of a reperfusion injury in galactosamine/endotoxin-induced hepatitis in mice. Wendel A, et al. **Biochem Pharmacol** 1987 Aug 15; 36(16):2637–9

A comparison of liver ultrasound with liver biopsy histology in psoriatics receiving long-term methotrexate therapy. Coulson IH, et al. **Br J Dermatol** 1987 Apr;116(4):491–5

Compensatory hyperplasia in the rat liver as a result of cytoplasmic atrophy. Alison MR, et al. **Br J Exp Pathol** 1986 Dec;67(6):901–8

Changes in prolinase and prolidase activity during CCl4 administration inducing liver cytolysis and fibrosis in rat. Myara I, et al. **Br J Exp Pathol** 1987 Feb;68(1):7–13

Orosomucoid as the accelerator of hepatic fibrosis. Ozeki T, et al. **Br J Exp Pathol** 1986 Oct;67(5):731–6

Clinical and radiographic features of simple and hydatid cysts of the liver. Harris KM, et al. **Br J Surg** 1986 Oct; 73(10):835–8

Subacute hepatic necrosis induced by piroxicam. Lee SM, et al. **Br Med J [Clin Res]** 1986 Aug 30;293(6546):540–1

Effect of sublethal levels of diazinon: histopathology of liver. Anthony J, et al. **Bull Environ Contam Toxicol** 1986 Oct; 37(4):501–7

Transformation of a rat liver cell line: neoplastic phenotype and regulation of gamma glutamyl transpeptidase in tumour tissue. Sinha S, et al. **Cancer Lett** 1987 May;35(2):215–24

Growth in culture and tumorigenicity after transfection with the ras oncogene of liver epithelial cells from carcinogen-treated rats. Braun L, et al. **Cancer Res** 1987 Aug 1;47(15):4116–24

Effects of rat strain, diet composition, and phenobarbital on hepatic gamma-glutamyl transpeptidase histochemistry and on the induction of altered hepatocyte foci and hepatic tumors by diethylnitrosamine. Russell JJ, et al. **Cancer Res** 1987 Feb 15;47(4):1130–4

Liver cell turnover in rats fed a choline-devoid diet. Chandar N, et al. **Carcinogenesis** 1987 May;8(5):669–73

Single GST-P positive liver cells--putative initiated hepatocytes. Moore MA, et al. **Carcinogenesis** 1987 Mar; 8(3):483–6

Modulation of monocrotaline-induced hepatic genotoxicity in rats. Petry TW, et al. **Carcinogenesis** 1987 Mar;8(3):415–9

Prolyl hydroxylase activity as an index of liver damage induced by ethanol. Bańkowski E, et al. **Cell Biochem Funct** 1987 Jul;5(3):211–5

The passage of G2 hepatocytes into mitosis during fasting. Daoust R. **Chem Biol Interact** 1987;62(1):99–103

Histological changes following high-dose methotrexate and cisplatinum administration and the influence of dosage scheduling. el-Badawi MG, et al. **Chemotherapy** 1987; 33(4):278–86

Microcirculation in chronic viral hepatitis: clinical observation and treatment with traditional Chinese medicine. Zhang QB, et al. **Chin Med J [Engl]** 1986 Aug; 99(8):660–4

Redifferentiation and subsequent dedifferentiation of the livers of roosters resulting from acute estrogen challenges. Schjeide OA, et al. **Comp Biochem Physiol [A]** 1987; 87(4):863–72

Chronic liver iron overload in the baboon by ferric nitrilotriacetate. Morphologic and functional changes with special reference to collagen synthesis enzymes. Brissot P, et al. **Dig Dis Sci** 1987 Jun;32(6):620–7

Noninvasive evaluation of hepatic fibrosis using frequency demodulation of ultrasound signals. Hoefs JC, et al. **Dig Dis Sci** 1986 Oct;31(10):1046–55

Relationship between degree of portal hypertension and liver histologic lesions in patients with alcoholic cirrhosis. Effect of acute alcoholic hepatitis on portal hypertension. Poynard T, et al. **Dig Dis Sci** 1987 Apr;32(4):337–43

Hepatocyte and nuclear areas in alcoholic liver cirrhosis: their relationship with the size of the nodules and the degree of fibrosis. González-Reimers CE, et al. **Drug Alcohol Depend** 1987 Jul;19(4):357–62

Histopathological changes in liver and thyroid of the teleost fish, Channa punctatus (Bloch), in response to ammonium sulfate fertilizer treatment. Ram RN, et al. **Ecotoxicol Environ Safety** 1987 Apr;13(2):185–90

Effects of phthalic acid esters on the liver and thyroid. Hinton RH, et al. **Environ Health Perspect** 1986 Dec; 70:195–210

Direct and mediated Escherichia coli lipopolysaccharide action in primary hepatocyte cultures. Pagani R, et al. **Eur J Cell Biol** 1987 Apr;43(2):243–6

Correlations between cerebral grey matter flow and hepatic histology in alcoholism. Valmier J, et al. **Eur Neurol** 1986; 25(6):428–35

Hepatotrophic effect of portal blood during hepatic arterial recirculation. Rozga J, et al. **Eur Surg Res** 1986; 18(5):302–11

Peroxisomes and peroxisomal functions in muscle. Studies with muscle cells from controls and a patient with the cerebro-hepato-renal (Zellweger) syndrome. Wanders RJ, et al. **Exp Cell Res** 1987 May;170(1):147–52

Carbon tetrachloride-induced morphologic alterations in isolated rat hepatocytes. Berger ML, et al. **Exp Mol Pathol** 1987 Jun;46(3):245–57

Postnatal development of hepatocytes following oxygen deficiency in utero. David H, et al. **Exp Pathol** 1986; 30(4):247–56

Smooth endoplasmic membranes rich fraction isolated from liver cells of streptozotocin diabetic rats. Poźniczek M, et al. **Folia Histochem Cytobiol** 1986;24(3):245–50

Chloroform hepatotoxicity in the Mongolian gerbil. Ebel RE, et al. **Fundam Appl Toxicol** 1987 Feb;8(2):207–16

Acute, 9-day, and 13-week vapor inhalation studies on ethylene glycol monohexyl ether. Klonne DR, et al. **Fundam Appl Toxicol** 1987 Feb;8(2):198–206

Mallory bodies in a patient with type Ia glycogen storage disease. Itoh S, et al. **Gastroenterology** 1987 Feb;92(2):520–3

Cirrhosis as a consequence of graft-versus-host disease. Knapp AB, et al. **Gastroenterology** 1987 Feb;92(2):513–9

Hepatic neurofibromatosis, malignant schwannoma, and angiosarcoma in von Recklinghausen's disease. Lederman SM, et al. **Gastroenterology** 1987 Jan;92(1):234–9

Cytopathic liver injury in acute delta virus hepatitis. Lefkowitch JH, et al. **Gastroenterology** 1987 May;92(5 Pt 1):1262–6

Diffuse hepatocellular dysplasia and carcinoma associated

with the Mmalton variant of alpha 1-antitrypsin. Reid CL, et al. **Gastroenterology** 1987 Jul;93(1):181-7
Agnogenic myeloid metaplasia, portal hypertension, and sinusoidal abnormalities. Roux D, et al. **Gastroenterology** 1987 Apr;92(4):1067-72
Clinico-biochemical evolution and late hepatic lesions in the toxic oil syndrome. Solis-Herruzo JA, et al. **Gastroenterology** 1987 Sep;93(3):558-68
Comparison of ultrasonography, computed tomography and 99mTc liver scan in diagnosis of Budd-Chiari syndrome. Gupta S, et al. **Gut** 1987 Mar;28(3):242-7
Expectant management of patients with unilateral hepatic duct stricture and liver atrophy. Hadjis NS, et al. **Gut** 1986 Oct;27(10):1223-7
Histologic differential diagnosis of focal liver lesions by ultrasonically guided fine needle biopsy. Limberg B, et al. **Gut** 1987 Mar;28(3):237-41
Preneoplastic lesions of human liver. Karhunen PJ, et al. **Hepatogastroenterology** 1987 Feb;34(1):10-5
Specific histologic features of Santa Marta hepatitis: a severe form of hepatitis delta-virus infection in northern South America. Buitrago B, et al. **Hepatology** 1986 Nov-Dec; 6(6):1285-91
The evolution of changes in quantitative liver function tests in a rat model of biliary cirrhosis: correlation with morphometric measurement of hepatocyte mass. Gross JB Jr, et al. **Hepatology** 1987 May-Jun;7(3):457-63
Morphological findings in the liver of children with cystic fibrosis: a light and electron microscopical study. Hultcrantz R, et al. **Hepatology** 1986 Sep-Oct;6(5):881-9
Nonsyndromatic paucity of interlobular bile ducts: light and electron microscopic evaluation of sequential liver biopsies in early childhood. Kahn E, et al. **Hepatology** 1986 Sep-Oct;6(5):890-901
Establishment and characterization of a human combined hepatocholangiocarcinoma cell line and its heterologous transplantation in nude mice. Murakami T, et al. **Hepatology** 1987 May-Jun;7(3):551-6
A histological study of hepatitis delta virus liver disease. Verme G, et al. **Hepatology** 1986 Nov-Dec;6(6):1303-7
Rheumatoid nodules in liver [letter] Smits JG, et al. **Histopathology** 1986 Nov;10(11):1211-3
Bile duct carcinoma associated with multiple von Meyenburg complexes in the liver. Honda N, et al. **Hum Pathol** 1986 Dec;17(12):1287-90
Perisinusoidal fibrosis and basement membrane-like material in the livers of diabetic patients. Latry P, et al. **Hum Pathol** 1987 Aug;18(8):775-80
Role of reactive oxygen intermediates in the hepatotoxicity of endotoxin. Ghezzi P, et al. **Immunopharmacology** 1986 Dec;12(3):241-4
Toxicity of t-butylhydroperoxide in hepatocyte monolayers exposed to hypoxia and reoxygenation. Costa AK, et al. **In Vitro Cell Dev Biol** 1987 Jul;23(7):501-6
In vitro formation of fibrous septa by liver connective tissue cells. Monteiro AN, et al. **In Vitro Cell Dev Biol** 1987 Jan; 23(1):10-4
Peroxisomes (microbodies) in cell pathology. Goldfischer S, et al. **Int Rev Exp Pathol** 1984;26:45-84 (143 ref.)
A rat model of liver cancer for imaging research. Saini S, et al. **Invest Radiol** 1987 Feb;22(2):149-52
Hepatic necrosis following halothane anesthesia in goats. O'Brien TD, et al. **J Am Vet Med Assoc** 1986 Dec 15; 189(12):1591-5
Liver in abdominal tuberculosis. Khosla SN, et al. **J Assoc Physicians India** 1986 Jul;34(7):501-2
Hepatocellular adenoma and nodular regenerative hyperplasia of the liver in a young man. Nguyen TD, et al. **J Clin Gastroenterol** 1986 Aug;8(4):478-82
The pathology of Q fever hepatitis. A case diagnosed by liver biopsy. Westlake P, et al. **J Clin Gastroenterol** 1987 Jun;9(3):357-63
MR imaging of focal nodular hyperplasia of the liver. Schiebler ML, et al. **J Comput Assist Tomogr** 1987 Jul-Aug; 11(4):651-4
T cell-mediated hepatitis in mice infected with lymphocytic choriomeningitis virus. Liver cell destruction by H-2 class I-restricted virus-specific cytotoxic T cells as a physiological correlate of the 51Cr-release assay? Zinkernagel RM, et al. **J Exp Med** 1986 Oct 1; 164(4):1075-92
Ultrastructural and cytochemical study of hepatocytes and lymphocytes during experimental non-A, non-B infections in chimpanzees. Schaff Z, et al. **J Exp Pathol** 1985 Spring; 2(1):25-36
Subcapsular hematoma in fatty liver of pregnancy. Roh LS. **J Forensic Sci** 1986 Oct;31(4):1509-13
Immunopathological mechanisms of liver cell injury in chronic hepatitis B virus infection. Eddleston AL, et al. **J Hepatol** 1986;3 Suppl 2:S17-23
Liver lobe disparity consequent upon atrophy. Diagnostic, operative and therapeutic considerations. Hadjis NS, et al. **J Hepatol** 1986;3(3):285-93
Mirizzi syndrome associated with liver atrophy. Diagnostic and management considerations. Hadjis NS, et al. **J Hepatol** 1987 Apr;4(2):245-9
Early alcoholic liver injury. Activation of lipocytes in acinar zone 3 and correlation to degree of collagen formation in the Disse space. Horn T, et al. **J Hepatol** 1986;3(3):333-40
Long-term histological evaluation of the natural history and prognostic factors of alcoholic liver disease. Marbet UA, et al. **J Hepatol** 1987 Jun;4(3):364-72
Kupffer cells from CCl4-induced fibrotic livers stimulate proliferation of fat-storing cells. Shiratori Y, et al. **J Hepatol** 1986;3(3):294-303
Ketoconazole-associated hepatic injury. A clinicopathological study of 55 cases. Stricker BH, et al. **J Hepatol** 1986;3(3):399-406
Effects of acute graft-vs-host disease on the liver of the brown Norway rat. Hightower JA, et al. **J Leukocyte Biol** 1987 Aug;42(2):128-43
Desmin-containing stellate cells in rat liver; distribution in normal animals and response to experimental acute liver injury. Burt AD, et al. **J Pathol** 1986 Sep;150(1):29-35
Necessity of liver biopsy for accurate diagnosis of Reye's syndrome [letter] Kimura A, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan-Feb;6(1):153-4
Focal nodular hyperplasia and hepatic adenoma: a review of eight cases in the pediatric age group. Lack EE, et al. **J Surg Oncol** 1986 Oct;33(2):129-35
Quantitative analysis of the effect of ATP-MgCl2 and adenosine-MgCl2 on the extent of necrosis in rat liver after ischemia. Frederiks WM, et al. **J Surg Res** 1986 Nov; 41(5):518-23
Experimental study on methods of hepatic artery occlusion and its application at different levels. Gong JP, et al. **J Tongji Med Univ** 1987;7(1):21-3
Focal hypoechoic areas in the porta hepatis [letter] Balachandran S, et al. **J Ultrasound Med** 1987 Jun; 6(6):343-4
Sonographic evaluation of liver, spleen, and splanchnic vessels following partial liver resection. Zoli M, et al. **J Ultrasound Med** 1986 Oct;5(10):563-7
Hepatic scar along a transhepatic biliary drainage tract simulating metastatic diseases. Bret PM, et al. **JCU** 1987 Jan;15(1):56-8
Fatal diphenylhydantoin-induced hepatic necrosis: sonographic-pathologic correlation. Fishman MC, et al. **JCU** 1986 Nov-Dec;14(9):722-6
Diagnostic ultrasound imaging of vegetative valvular endocarditis in cattle. Yamaga Y, et al. **Jpn J Vet Res** 1987 Jan;35(1):49-63
Pathological studies on the liver with extrahepatic portal obstruction. Kage M, et al. **Kurume Med J** 1986;33(2):55-9
Histopathology of streptozotocin-induced diabetic DBA/2N and CD-1 mice. Honjo K, et al. **Lab Anim** 1986 Oct; 20(4):298-303
Failure of percutaneous liver biopsy: anatomical variation. Dixon AK, et al. **Lancet** 1987 Aug 22;2(8556):437-9
Hepatic sinusoidal dilatation in Hodgkin's disease. Bruguera M, et al. **Liver** 1987 Apr;7(2):76-80
Polyarteritis nodosa of the liver--a case report and review of the literature. Ahmed HA, et al. **Mater Med Pol** 1986 Sep-Dec;18(4):231-4
Gamma-glutamyl transferase: applications in forensic pathology. II: Histochemical study of post-mortem human liver samples. Piette M, et al. **Med Sci Law** 1987 Jul; 27(3):161-9
Mechanism of zone-specific hepatic steatosis caused by valproate: inhibition of ketogenesis in periportal regions of the liver lobule. Olson MJ, et al. **Mol Pharmacol** 1986 Dec;30(6):520-5
Investigation of mechanisms of acetaminophen toxicity in isolated rat hepatocytes with the acetaminophen analogues 3,5-dimethylacetaminophen and 2,6-dimethylacetaminophen. Porubek DJ, et al. **Mol Pharmacol** 1987 Jun;31(6):647-53
Pathology of viral hepatitis. Huang SN, et al. **Monogr Pathol** 1987;(28):153-98 (93 ref.)
New developments in diagnostic liver pathology. Ishak KG. **Monogr Pathol** 1987;(28):223-373 (921 ref.)
Acute fatty liver of pregnancy: pathological aspects of a case. Laky D, et al. **Morphol Embryol (Bucur)** 1986 Jul-Sep; 32(3):193-5
Histopathology of organ lesions in mice after an intravenous or intratracheal or intrarenal infection with aspergillus fumigatus. Walzl HL, et al. **Mykosen** 1987 Jan;30(1):10-8
Cirrhosis and liver echogenicity. de Korte PJ, et al. **Neth J Med** 1987 Jan;30(1):17-20
Percutaneous microwave tissue coagulation in liver biopsy: experimental and clinical studies. Tabuse Y, et al. **Nippon Geka Hokan** 1986 May 1;55(3):381-92
A case report of death from naphthalene poisoning. Ijiri I, et al. **Nippon Hoigaku Zasshi** 1987 Feb;41(1):52-5
The relationship between pathology and resistance to reinfection with Schistosoma mansoni in mice: a causal mechanism of resistance in chronic infections. McHugh SM, et al. **Parasitology** 1987 Feb;94 (Pt 1):81-91
Focal nodular hyperplasia of the liver. Report of a case with immunohistochemical demonstration of CEA and AFP. Cavaliere A, et al. **Pathologica** 1986 Jul-Aug; 78(1056):537-43
Test and teach. Number fifty-five. Diagnosis: Visceral leishmaniasis (kala-azar), hepatic involvement. Andrion A, et al. **Pathology** 1986 Oct;18(4):378, 485-6
Fulminant hepatic necrosis in an infant with perinatally acquired echovirus 21 infection. Georgieff MK, et al. **Pediatr Infect Dis J** 1987 Jan;6(1):71-3
Rocky mountain spotted fever: hepatic lesions in childhood cases. Jackson MD, et al. **Pediatr Pathol** 1986;5(3-4):379-88
Neonatal hypoxia or maternal diabetes delays postnatal development of liver mitochondria. Aprille JR, et al. **Pediatr Res** 1987 Mar;21(3):266-9
Allyl alcohol liver injury: suppression by ethanol and relation to transient glutathione depletion. Penttilä KE, et al. **Pharmacol Toxicol** 1987 May;60(5):340-4
In vitro dielectric properties of human tissues at radiofrequencies. Surowiec A, et al. **Phys Med Biol** 1987 May;32(5):615-21
Chronic ethanol administration alters hepatic surface membranes as evidenced by decreased concanavalin A binding. Metcalf JP, et al. **Proc Soc Exp Biol Med** 1987 May;185(1):1-5
Quantitation of hepatic sinusoidal macrophages during the acute systemic inflammatory reaction in two animal species. Scoazec JY, et al. **Proc Soc Exp Biol Med** 1987 Apr; 184(4):389-95
The natural history of chronic delta hepatitis. Bonino F, et al. **Prog Clin Biol Res** 1987;234:145-52
Pathology of hepatitis delta infection in the Amazon basin. Popper H, et al. **Prog Clin Biol Res** 1987;234:121-8
Studies on the mechanism of the protective action of 16,16-dimethylPGE2 in carbon tetrachloride induced acute hepatic injury in the rat. Rush B, et al. **Prostaglandins** 1986 Sep;32(3):439-55
Conventional and rapid MR imaging of the liver with Gd-DTPA. Hamm B, et al. **Radiology** 1987 Aug; 164(2):313-20
A new instrument for open liver biopsy. Lodder JV. **S Afr J Surg** 1987 Jun;25(2):72-3
Aspiration and brush cytology of the liver. Hajdu SI, et al. **Semin Diagn Pathol** 1986 Aug;3(3):227-38
Necroinflammatory liver diseases. Bianchi L. **Semin Liver Dis** 1986 Aug;6(3):185-98 (105 ref.)
Current problems in diagnosis of biliary disease and cholestasis. Desmet VJ. **Semin Liver Dis** 1986 Aug; 6(3):233-45 (175 ref.)
Hepatic morphology in the inherited metabolic diseases. Ishak KG. **Semin Liver Dis** 1986 Aug;6(3):246-58 (106 ref.)
Histologic spectrum of alcoholic liver disease. MacSween RN, et al. **Semin Liver Dis** 1986 Aug;6(3):221-32 (131 ref.)
General pathology of the liver: light microscopic aspects serving diagnosis and interpretation. Popper H. **Semin Liver Dis** 1986 Aug;6(3):175-84
Collagen formation and cirrhosis. Ruebner BH. **Semin Liver Dis** 1986 Aug;6(3):212-20 (61 ref.)
Captopril-induced liver dysfunction. Tabibian N, et al. **South Med J** 1987 Sep;80(9):1173-5
A simple technique for wedge biopsy of the liver. Bulut O, et al. **Surg Gynecol Obstet** 1987 Aug;165(2):167
Proliferative hepatocellular lesions of the rat: review and future use in risk assessment. Rinde E, et al. **Toxicol Ind Health** 1987 Mar;3(1):145-66
Effect of SKF525-A on the glutathione-conjugating enzyme system and on liver toxicity. Fromowicz P, et al. **Toxicol Lett** 1987 May;36(3):275-80
Two-stage liver carcinogenesis in the mouse. Della Porta G, et al. **Toxicol Pathol** 1987;15(2):229-33
Inhibition by dehydroepiandrosterone of liver preneoplastic foci formation in rats after initiation-selection in experimental carcinogenesis. Garcea R, et al. **Toxicol Pathol** 1987;15(2):164-9
Immunochemical studies of microsomal membranes of rat preneoplastic and neoplastic hepatocytes. Ogawa K, et al. **Toxicol Pathol** 1987;15(1):69-72
Use of a narrowband estimator for acoustic attenuation in liver [letter] Duerinckx AJ, et al. **Ultrason Imaging** 1986 Jul;8(3):225-6
Coagulation defects of aflatoxin intoxicated rabbits. Baker DC, et al. **Vet Pathol** 1987 Jan;24(1):62-70
Liver biopsy in ragwort poisoning [letter] Monaghan ML, et al. **Vet Rec** 1987 Apr 11;120(15):374
Gross liver in a cow [letter] Scott WA. **Vet Rec** 1986 Aug 30;119(9):224
Removal of cellular debris formed in the Disse space in patients with cholestasis. Dubuisson L, et al. **Virchows Arch [A]** 1987;410(6):501-7
Fatal epithelioid haemangioendothelioma presenting in the lung and liver. Ekfors TO, et al. **Virchows Arch [A]** 1986; 410(1):9-16
The sinusoids in cirrhosis. A morphometric study. Pesce C, et al. **Virchows Arch [A]** 1986;410(3):217-9
Increased UDP-glucuronyltransferase and gamma-glutamyltranspeptidase in enzyme-altered rat liver lesions produced by low doses of aflatoxin B1 [published erratum appears in Virchows Arch [B] 1986;52(3):289] Fischer G. **Virchows Arch [B]** 1986;51(5):443-60
[Morphological changes caused by adrenalectomy in rabbits] Dezbal B, et al. **Eksp Med Morfol** 1986;25(3):20-7 (Eng. Abstr.) **(Bul)**
[Hemangioma of the liver--ultrasonic and computed tomographic correlation] Vasileva Zh, et al. **Vutr Boles** 1986;25(5):94-7 **(Bul)**
[Ultrasound-guided percutaneous fine-needle puncture cytology in the diagnosis of malignant tumors of the liver] Chen MH, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Nov;8(6):447-9 (Eng. Abstr.) **(Chi)**
[Fine needle aspiration cytology in the diagnosis of primary liver cancer] Zhang BC, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Jul;8(4):268-9 (Eng. Abstr.) **(Chi)**
[Changes in blood enzymes, liver, skeletal muscle and cartilage in rats fed with a synthetic selenium deficient ration] Mo DX. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Dec;15(4):244-8 (Eng. Abstr.) **(Chi)**
[The pathologic changes in the liver in mice with chronic

alcoholism] Zhou SQ.
Chung-hua Ping Li Hsueh Tsa Chih 1986 Jun;15(2):136–9 (Eng. Abstr.) **(Chi)**

[Experimental study of the effects of end-to-side mesocaval shunt on the liver] Wu ZY, et al.
Chung Hua Wai Ko Tsa Chih 1986 Nov;24(11):641–4, 698 (Eng. Abstr.) **(Chi)**

[Histopathological effects of technical benzene hexachloride and lindane on the rat liver and kidney] Su YX, et al.
Chung Hua Yu Fang I Hsueh Tsa Chih 1986 Nov; 20(6):356–8 (Eng. Abstr.) **(Chi)**

[Preliminary studies on effect of fruit juice of Actinidia chinensis Planch on experimental liver lesions in mice] Huang ZW. **Chung Yao Tung Pao** 1987 Mar;12(3):52–4 **(Chi)**

[Preoperative ultrasound scanning of the liver in colorectal cancer. A comparative study] Klaaborg KE, et al.
Ugeskr Laeger 1987 Jan 12;149(3):155–6 (Eng. Abstr.) **(Dan)**

[Castelman's angiofollicular hyperplasia of multifocal form Apropos of 2 cases] Horschowski N, et al.
Ann Med Interne (Paris) 1986;137(7):568–72 (Eng. Abstr.) **(Fre)**

[Peritumor liver. Anatomo-clinical study, review of the literature and differential diagnosis apropos of 24 cases] Zafiaona G, et al. **Arch Anat Cytol Pathol** 1987;35(1):9–16 (Eng. Abstr.) **(Fre)**

[Nodular regenerative hyperplasia of the liver and primary biliary cirrhosis. A fortuitous association?] Chazouillères O, et al. **Gastroenterol Clin Biol** 1986 Nov;10(11):764–6 (Eng. Abstr.) **(Fre)**

[Alcoholic foamy steatosis: study of 3 cases] Fléjou JF, et al. **Gastroenterol Clin Biol** 1987 Feb;11(2):165–8 (Eng. Abstr.) **(Fre)**

[Microvesicular steatosis] Fléjou JF, et al.
Gastroenterol Clin Biol 1987 Feb;11(2):115–8 **(Fre)**

[Diffuse nodular regenerative hyperplasia of the liver and disseminated lupus erythematosus (letter)] Guitton P, et al. **Gastroenterol Clin Biol** 1987 Jan;11(1):102–3 **(Fre)**

[Rendu-Osler disease and focal nodular hyperplasia of the liver (letter)] Marteau P, et al. **Gastroenterol Clin Biol** 1986 Dec;10(12):856 **(Fre)**

[Focal nodular hyperplasia of the liver and testicular choriocarcinoma (letter)] Peix JL, et al.
Gastroenterol Clin Biol 1987 Jan;11(1):103–4 **(Fre)**

[Severe jaundice in Legionnaires' disease: a case with early hepatic biopsy] Verneau A, et al.
Gastroenterol Clin Biol 1987 Mar;11(3):254–7 (Eng. Abstr.) **(Fre)**

[Liver biopsy] Heimann R. **Rev Med Brux** 1987 Apr; 8(4):214–6 (Eng. Abstr.) **(Fre)**

[Immunological changes in chronic alcoholic patients in relation to their hepatic involvement] Ruscher H, et al.
Rev Med Interne 1986 Nov;7(5):522–4 **(Fre)**

[Morphological studies of the liver of retarded and stillborn piglets. 3. Causes of intrauterine growth retardation and stillbirth] Kühn M, et al. **Arch Exp Veterinarmed** 1987 Mar; 41(2):271–5 (Eng. Abstr.) **(Ger)**

[Epidemiological and clinical aspects of focal nodular hyperplasia of the liver. An assessment of 886 cases] Kreitner KF, et al. **Dtsch Med Wochenschr** 1987 May 29; 112(22):891–6 (60 ref.) **(Ger)**

[Physical endurance of patients with chronic hepatitis. The standardized treadmill test of 95 patients with liver biopsy verified disease] Müting D, et al. **Med Klin** 1987 Jun 19; 82(14):467–71, 508 (Eng. Abstr.) **(Ger)**

[Significance of liver biopsy in cholecystectomy] Rassek D, et al. **Med Klin** 1986 May 27;81(12):419–22 (Eng. Abstr.) **(Ger)**

[CT diagnosis of focal nodular hyperplasia] Lüning M, et al. **ROFO** 1986 Oct;145(4):456–63 (Eng. Abstr.) **(Ger)**

[Rapid MR tomography of the liver. Technic and initial results] Steudel A, et al. **ROFO** 1987 Jul;147(1):51–7 (Eng. Abstr.) **(Ger)**

[Morphology and function of Ito cells of the liver] Körner T, et al. **Z Gesamte Inn Med** 1987 Jul 1;42(13):349–54 (50 ref.) (Eng. Abstr.) **(Ger)**

[Hemosiderin findings in the liver, spleen and lung in newborn infants and infants] Risse M, et al.
Z Rechtsmed 1987;98(3):181–90 (Eng. Abstr.) **(Ger)**

[Granulomatous liver changes in Crohn disease] Braunsdorf A, et al. **Zentralbl Allg Pathol** 1986;132(1):37–40 (Eng. Abstr.) **(Ger)**

[Differential diagnosis and staging of chronic nonsuppurative destructive cholangitis in liver biopsies] Kunze KD, et al.
Zentralbl Allg Pathol 1986;132(3):223–32 (Eng. Abstr.) **(Ger)**

[Role of liver biopsy in the diagnosis and therapeutic management of liver diseases] Tarantino G, et al.
Clin Ter 1986 Aug 15;118(3):201–11 (92 ref.) (Eng. Abstr.) **(Ita)**

[Focal nodular hyperplasia of the liver and its treatment] Boltri F, et al. **Minerva Chir** 1986 Dec 31;41(23–24):2061–5 (Eng. Abstr.) **(Ita)**

[Echographic diagnosis of diffused liver diseases: histologic correlations] Candia C, et al. **Minerva Med** 1987 Mar 31; 78(6):361–7 (Eng. Abstr.) **(Ita)**

[Liver biopsy. Case series in a department of general medicine] Verani DA, et al. **Minerva Med** 1986 Sep 22; 77(36):1615–9 (Eng. Abstr.) **(Ita)**

[Clinical picture and anatomopathologic findings in a case of the lymphomucocutaneous syndrome (Kawasaki disease)] Micheletti E, et al. **Minerva Pediatr** 1987 Jun 30; 39(11–12):537–43 (Eng. Abstr.) **(Ita)**

[Focal nodular hyperplasia of the liver. Anatomo-pathologic and clinico-radiologic evaluation] Mauri MF, et al.
Pathologica 1986 Sep-Oct;78(1057):603–11 (Eng. Abstr.) **(Ita)**

[Focal nodular hyperplasia of the liver. A rare pedunculated form] Vezzoli G, et al. **Radiol Med (Torino)** 1986 Dec; 72(12):969–72 **(Ita)**

[Extrahepatic hepatocellular cancer] Sudo T, et al.
Nippon Geka Hokan 1986 Sep 1;55(5):732–40 (Eng. Abstr.) **(Jpn)**

[The image and anatomical study of echinococcosis—the typical CT image of experimental echinococcal lesions] Amoh K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Sep 25;46(9):1088–93 (Eng. Abstr.) **(Jpn)**

[Ultrasonically guided liver biopsy in patients with malignant lymphoma—tissue biopsy by 21 guage modified Menghini needle] Yoshimatsu S, et al.
Nippon Igaku Hoshasen Gakkai Zasshi 1986 Aug 25; 46(8):1030–4 (Eng. Abstr.) **(Jpn)**

[Basic and clinical observations on an improved microwave coagulation method for hemostasis after liver biopsy and splenic puncture under laparoscopy] Kohsaka N.
Nippon Ika Daigaku Zasshi 1987 Feb;54(1):9–16 (Eng. Abstr.) **(Jpn)**

[A case of Lafora disease diagnosed by liver biopsy] Miyazaki M, et al. **Nippon Naika Gakkai Zasshi** 1987 Jan;76(1):128–32 **(Jpn)**

[A case of primary hepatic malignant lymphoma diagnosed by needle biopsy under peritoneoscopic examination] Yuasa K, et al. **Nippon Naika Gakkai Zasshi** 1986 Nov; 75(11):1616–21 **(Jpn)**

[Acute drug-induced allergic hepatitis with bridging necrosis: a follow-up study] Imoto S, et al.
Nippon Shokakibyo Gakkai Zasshi 1987 Jan;84(1):52–7 (Eng. Abstr.) **(Jpn)**

[A case of focal nodular hyperplasia of the liver and review of previously reported 44 cases in Japan] Morita S, et al.
Nippon Shokakibyo Gakkai Zasshi 1987 Feb;84(2):302–6 **(Jpn)**

[A case of systemic lupus erythematosus with chronic non-suppurative cholangitis-like findings on liver biopsy] Saitoh K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul;83(7):1392–5 **(Jpn)**

[Clinical and morphological study of fatty liver—with special reference to patients with high transaminase levels] Yuasa K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul; 83(7):1338–43 (Eng. Abstr.) **(Jpn)**

[Correlation between liver biopsy and liver function tests in the diagnosis of liver cirrhosis] Ohta Y, et al.
Rinsho Byori 1986 Jun;34 Spec No 67:154–61 **(Jpn)**

[A clinicopathologic study of the liver in autopsied cases of aplastic anemia] Suda K, et al. **Rinsho Byori** 1987 Mar; 35(3):337–40 **(Jpn)**

[An assessment of angiographic findings after liver biopsy] Hirai K, et al. **Rinsho Hoshasen** 1986 Oct;31(10):1143–6 (Eng. Abstr.) **(Jpn)**

[Dynamic CT and pathologic studies on hepatic cavernous hemangioma] Miyazaki M, et al. **Rinsho Hoshasen** 1986 Jul;31(7):767–71 (Eng. Abstr.) **(Jpn)**

[A case of spontaneous gas formation in hepatocellular carcinoma (HCC)] Sakai T, et al. **Rinsho Hoshasen** 1987 Jan;32(1):135–7 (Eng. Abstr.) **(Jpn)**

[A case of ATL presenting a huge intrahepatic tumor, abated with etoposide (NK-171) therapy alone] Tanaka K, et al.
Rinsho Ketsueki 1987 Mar;28(3):392–7 (Eng. Abstr.) **(Jpn)**

[Morphological aspects of acute viral hepatitis] Mietkiewski J. **Patol Pol** 1986 Oct-Dec;37(4):331–41 (Eng. Abstr.) **(Pol)**

[Morphologic picture of the liver after administration of thyroxine and estradiol] Zwirska-Korczala K. **Patol Pol** 1986 Jul-Sep;37(3):237–44 (Eng. Abstr.) **(Pol)**

[Ultrasonographic studies of lymph nodes and parenchymal organs of the abdominal cavity in malignant lymphomas] Wojnar J, et al. **Pol Arch Med Wewn** 1986 Apr;75(4):281–7 (Eng. Abstr.) **(Pol)**

[Ultrasonographically-guided thin-needle biopsy in the diagnosis of focal changes in the liver] Habior A, et al.
Pol Tyg Lek 1986 Jul 14;41(28):896–8 (Eng. Abstr.) **(Pol)**

[Structural changes in the liver and kidneys in traumatic illness with various methods of resuscitation] Magomedov AG. **Anesteziol Reanimatol** 1986 Sep-Oct;(5):42–4 (Eng. Abstr.) **(Rus)**

[Granulomatous inflammation of the liver in opisthorchiasis] Bychkov VG, et al. **Arkh Patol** 1987;49(3):44–8 (Eng. Abstr.) **(Rus)**

[Liver biopsies in the diagnosis of congenital and acquired pathology of the hepatobiliary system in children] Potapova-Vinogradova IN, et al. **Arkh Patol** 1986; 48(9):31–5 (Eng. Abstr.) **(Rus)**

[Structural changes in the hepatocytes of old rats with posthemorrhagic anemia] Berezhkov NV.
Biull Eksp Biol Med 1987 Feb;103(2):229–32 (Eng. Abstr.) **(Rus)**

[Morphologic changes in the liver as affected by small intestine fistulae] Iukhtin VI, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):606–9 (Eng. Abstr.) **(Rus)**

[Selective accumulation of rheopolyglucine and latex in liver cells and the response of liver parenchyma to acute CCl4 poisoning] Shkurupiĭ VA. **Biull Eksp Biol Med** 1986 Sep; 102(9):362–5 (Eng. Abstr.) **(Rus)**

[Morphologic studies in the toxicologic and hygienic evaluation of nitrates] Aivazian LK. **Gig Sanit** 1986 Nov; (11):72–3 **(Rus)**

[Spontaneous rupture of the liver] Matsuk IK, et al.
Klin Khir 1986;(9):67 **(Rus)**

[Functional and neuromorphologic relations between the liver and major bile ducts in obstructive jaundice] Shevchenko VS. **Klin Khir** 1986;(9):13–4 (Eng. Abstr.) **(Rus)**

[Liver biopsy in the diagnosis of sarcoidosis] Anisimov LL, et al. **Klin Med (Mosk)** 1987 Apr;65(4):97–9 (Eng. Abstr.) **(Rus)**

[Evaluation of the status of the liver in cholelithiasis] El'shtein NV, et al. **Klin Med (Mosk)** 1987 Feb;65(2):90–4 **(Rus)**

[Effect of antioxidants—vitamin E and sodium selenite, alone and in combination—on the anthelmintic activity of chloxyl and liver structure in experimental opisthorchiasis] Mirzoian ZhA, et al. **Med Parazitol (Mosk)** 1987 Mar-Apr; (2):26–9 (Eng. Abstr.) **(Rus)**

[Early clinical stage of alveococcosis. Clinico-morphologic characteristics] Tumol'skaia NI, et al.
Med Parazitol (Mosk) 1986 Nov-Dec;(6):17–21 (Eng. Abstr.) **(Rus)**

[Blood serum enzymes and the morphology of the liver and pancreas in the ethanol withdrawal syndrome in rats] Nuzhnyĭ VP, et al. **Patol Fiziol Eksp Ter** 1987 Mar-Apr; (2):45–7 (Eng. Abstr.) **(Rus)**

[Results of echographic study of the liver in diabetes mellitus in children] Pirtskhalava TG, et al. **Pediatriia** 1987;(4):87–8 **(Rus)**

[Value of studies of the portal tracts in the differential diagnosis of congenital and acquired diseases of the liver in children (morphometric method)]
Potapova-Vinogradova IN, et al. **Pediatriia** 1986 Sep; (9):23–6 **(Rus)**

[Structural changes in the liver parenchyma of mice of various genetic strains during multiple stressful events and subsequent CCl4 poisoning] Shkurupiĭ VA. **Tsitol Genet** 1986 Jul-Aug;20(4):251–6 (Eng. Abstr.) **(Rus)**

[Morphologic changes and cytochrome P-450 induction in the liver of the rat after exposure to polychlorinated biphenyls in various diets] Gadzhieva ZM, et al.
Vopr Pitan 1987 Jan-Feb;(1):45–50 (Eng. Abstr.) **(Rus)**

[Morphological changes in the liver in chronic alcoholism] Barkov LA. **Vrach Delo** 1987 Jul;(7):54–6 (Eng. Abstr.) **(Rus)**

[Histostructural changes in the lymphoid organs in liver lesions of various etiology] Pavlovich SI, et al.
Vrach Delo 1987 May;(5):24–7 (Eng. Abstr.) **(Rus)**

[Lafora disease. Morphopathologic analysis of its hypothetical relation to amylopectinosis apropos of the study of 3 cases] Gutiérrez Molina M, et al.
Arch Neurobiol (Madr) 1986 Sep-Oct;49(5):251–67 (Eng. Abstr.) **(Spa)**

[Ultrasonics in diffuse changes of the liver] Garassini M.
GEN 1985 Oct-Dec;39(4):294–303 **(Spa)**

[Necrosing lymphadenitis and other histological disorders in typhoid fever] Domínguez Malagón HR.
Rev Gastroenterol Mex 1987 Apr-Jun;52(2):83–7 (Eng. Abstr.) **(Spa)**

[Primary hepatic actinomycosis] Suárez J, et al.
Rev Med Univ Navarra 1987 Jan-Mar;31(1):31–5 (Eng. Abstr.) **(Spa)**

[A high diagnostic value and few complications when percutaneous liver biopsies are done at smaller units] Swenne I, et al. **Lakartidningen** 1986 Sep 10;83(37):3027–9 **(Swe)**

PHYSIOLOGY

Artificial liver support for postoperative hepatic failure with anion exchange resin (BR-601). Sakagami K, et al.
Acta Med Okayama 1986 Oct;40(5):249–55

Trace elements and the liver. Ritland S, et al.
Acta Pharmacol Toxicol (Copenh) 1986;59 Suppl 7:195–201

Plasma cholesterol levels in eviscerated rats. Penhos JC, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(3):329–36

Regulation of plasma cholesterol by hepatic low-density lipoprotein receptors. Kovanen PT. **Am Heart J** 1987 Feb; 113(2 Pt 2):464–9 (13 ref.)

Gut-liver interaction in glutamine homeostasis: portal ammonia role in uptake and metabolism. Buttrose M, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):E746–50

Regulation of transmembrane electrical potential gradient in rat hepatocytes in situ. Fitz JG, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):G56–64

Further evidence for hepatic control of salt intake in rats. Tordoff MG, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):R444–9

Hepatic contribution to satiation of salt appetite in rats. Tordoff MG, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):R1095–102

Effect of temperature on transmembrane potential of mouse liver cells. Wondergem R, et al. **Am J Physiol** 1986 Oct; 251(4 Pt 1):C603–13

Role of the liver in renal hemodynamic response to amino acid infusion. Woods LL, et al. **Am J Physiol** 1987 Jun; 252(6 Pt 2):F981–5

Drugs as probes of organ function: evaluation of the hepatobiliary axis using oral rifampicin and novel high

performance liquid chromatography. Berg JD, et al. **Ann Clin Biochem** 1987 Jan;24 (Pt 1):36–40

Ontogenically regulated expression of metallothionein and its messenger RNA in chick liver. Chakraborty T, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):226–33

The expressions of oncogenes and liver-specific genes in Morris hepatomas. Cote GJ, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):624–9

Methylation of the alpha-fetoprotein gene in isogenic rat hepatoma and liver cell lines. Sakuma K, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):447–53

Stimulation of DNA synthesis in primary cultures of adult rat hepatocytes by sodium butyrate. Staecker JL, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):78–85

Serum and liver cytosolic growth-hormone-binding proteins are antigenically identical with liver membrane 'receptor' types 1 and 2. Barnard R, et al. **Biochem J** 1986 Aug 1; 237(3):885–92

Control of liver function by the autonomic liver nerves. Jungermann K. **Biochem Soc Trans** 1987 Jun;15(3):365–8

Activation of hepatic branched-chain 2-oxoacid dehydrogenase by rat liver cytosolic supernatant. Hauschildt S. **Biochim Biophys Acta** 1986 Oct 29; 884(1):191–8

Microelectrode measurement of cell membrane potential in isolated hepatocytes attached to collagen. Petzinger E, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):318–24

Steady state levels of factor X mRNA in liver and Hep G2 cells. Bahnak BR, et al. **Blood** 1987 Jan;69(1):224–30

Function of the liver and hepatic lipids of the lesser sand shark, Rhinobatos annulatus (Müller & Henle). Rossouw GJ. **Comp Biochem Physiol [B]** 1987;86(4):785–90

Buffalo rat liver cells produce a diffusible activity which inhibits the differentiation of murine embryonal carcinoma and embryonic stem cells. Smith AG, et al. **Dev Biol** 1987 May;121(1):1–9

The renal subcapsular site offers better growth conditions for transplanted mouse pancreatic islet cells than the liver or spleen. Mellgren A, et al. **Diabetologia** 1986 Sep; 29(9):670–2

Nuclear 3,5,3'-triiodothyronine receptor occupancy, phosphoenolpyruvate carboxykinase (PEPck) messenger ribonucleic acid levels and PEPck enzyme activity in rat liver. Hartong R, et al. **Endocrinology** 1987 Jun; 120(6):2460–7

The hepatic glucagon receptor: a comparative study of the regulatory and structural properties. Padrell E, et al. **Endocrinology** 1987 Jun;120(6):2316–25

Purification and immunological characterization of the rat liver insulin-like growth factor-II receptor. Scott CD, et al. **Endocrinology** 1987 Jan;120(1):1–9

Functional heterogeneity of periportal and perivenous hepatocytes. Jungermann K. **Enzyme** 1986;35(3):161–80 (135 ref.)

Glycosaminoglycans and proteoglycans induce gap junction expression and restore transcription of tissue-specific mRNAs in primary liver cultures. Fujita M, et al. **Hepatology** 1987 Jan-Feb;7(1 Suppl):1S–9S

Liver-specific gene expression in various pathophysiologic states. Panduro A, et al. **Hepatology** 1987 Jan-Feb;7(1 Suppl):10S–18S

Phagocytosis, an unrecognized property of murine endothelial liver cells. Steffan AM, et al. **Hepatology** 1986 Sep-Oct;6(5):830–6

Maintenance of adult rat liver slices in dynamic organ culture. Smith PF, et al. **In Vitro Cell Dev Biol** 1986 Dec; 22(12):706–12

Effects of positive end-expiratory pressure on hepatic blood flow and performance. Matuschak GM, et al. **J Appl Physiol** 1987 Apr;62(4):1377–83

The relationship between autophagy and the intracellular degradation of asialoglycoproteins in cultured rat hepatocytes. Kindberg GM, et al. **J Biol Chem** 1987 May 25;262(15):7066–71

Molecular cloning of hepatic mRNAs in Rana catesbeiana responsive to thyroid hormone during induced and spontaneous metamorphosis. Lyman DF, et al. **J Biol Chem** 1987 Apr 15;262(11):5233–7

Occurrence of an endogenous inhibitor of platelet-activating factor in rat liver. Miwa M, et al. **J Biol Chem** 1987 Jan 15;262(2):527–30

Long-term maintenance of hepatocyte functional activity in co-culture: requirements for sinusoidal endothelial cells and dexamethasone. Morin O, et al. **J Cell Physiol** 1986 Oct; 129(1):103–10

Support of cultured hepatocytes by a laminin-rich gel. Evidence for a functionally significant subendothelial matrix in normal rat liver. Bissell DM, et al. **J Clin Invest** 1987 Mar;79(3):801–12

Increased spontaneous chemiluminescence from liver homogenates and isolated hepatocytes upon inhibition of O2- and H2O2 utilization. Turrens JF, et al. **J Free Radic Biol Med** 1986;2(2):135–40

Hepatic reticuloendothelial function in rats with various portasystemic shunts and total liver arterialization. Buchholtz B, et al. **J Hepatol** 1987 Feb;4(1):80–5

Quantitative liver function in the elderly assessed by galactose elimination capacity, aminopyrine demethylation and caffeine clearance. Schnegg M, et al. **J Hepatol** 1986; 3(2):164–71

Abstracts of the 21st meeting of the European Association for the Study of the Liver. Groningen, The Netherlands, 3–6 September, 1986. **J Hepatol [Suppl]** 1986;3 Suppl 1:S17–186

Regulation of hepatic acute phase protein synthesis by products of interleukin 2 (IL 2)-stimulated human peripheral blood mononuclear cells. Mier JW, et al. **J Immunol** 1987 Aug 15;139(4):1268–72

Hepatic estrogen receptor in the turtle, Chrysemys picta: partial characterization, seasonal changes and pituitary dependence. Riley D, et al. **J Steroid Biochem** 1987 Jan; 26(1):41–7

The liver of Testudo graeca (Chelonia). A comparative study of hibernating and non-hibernating animals. Ferrer C, et al. **J Submicrosc Cytol** 1987 Apr;19(2):275–82

Effects of portacaval shunt and hepatic artery ligation on liver surface oxygen tension and effective hepatic blood flow. Sankary HN, et al. **J Surg Res** 1987 Jan;42(1):7–9

Short-term and long-term changes in hepatic function in 60 patients with blunt liver injury. Kaku N. **J Trauma** 1987 Jun;27(6):607–14

Studies of Ca2+-mediated toxicity in hepatocytes. Orrenius S, et al. **Klin Wochenschr** 1986;64 Suppl 7:138–41

Hepatic heterogeneity: backward perfusion—a forward step. Javitt NB. **Lab Invest** 1987 Jun;56(6):565–7

Reproduction in mice: liver enlargement in mice during pregnancy and lactation. Hollister A, et al. **Life Sci** 1987 Jan 5;40(1):11–8

The in vivo contour plot. An improved representation of stimulus experiments. Offermann W, et al. **Magn Reson Med** 1987 Jun;4(6):507–16

Hepatic assist device, using membrane plasma separator and dialyzer. Yamazaki Z, et al. **Med Prog Technol** 1987; 12(1-2):17–24

Chromatin structural transitions and the phenomenon of vitellogenin gene memory in chickens. Burch JB, et al. **Mol Cell Biol** 1986 Jun;6(6):1886–93

Expression of six mouse major urinary protein genes in the mammary, parotid, sublingual, submaxillary, and lachrymal glands and in the liver. Shahan K, et al. **Mol Cell Biol** 1987 May;7(5):1947–54

Comparative study of the developmental patterns of vasopressin, glucagon, angiotensin II, and alpha 1-adrenergic receptors in the liver of developing and adult hypothyroid rats. Ali M, et al. **Mol Cell Endocrinol** 1987 May;51(1-2):115–25

Characterization of glucagon receptors in liver membranes and isolated hepatocytes during rat ontogenic development. Blázquez E, et al. **Mol Cell Endocrinol** 1987 Feb; 49(2-3):149–57

Internalization and recycling of 125I-photoreactive insulin-receptor complexes in hepatocytes in primary culture. Carpentier JL, et al. **Mol Cell Endocrinol** 1986 Oct; 47(3):243–55

Developmental regulation of cytochrome P-450 genes in the rat. Giachelli CM, et al. **Mol Pharmacol** 1987 May; 31(5):477–84

Isolated perfused rat kidney and liver combined. A new experimental model. Daugaard H, et al. **Pflugers Arch** 1987 Jun;409(1-2):220–2

In vivo and in vitro dielectric properties of feline tissues at low radiofrequencies. Surowiec A, et al. **Phys Med Biol** 1986 Aug;31(8):901–9

A role for the liver in the effects of glucagon on food intake in domestic fowl. Howes GA, et al. **Physiol Behav** 1987; 39(5):587–92

Fluid phase endocytosis by cultured rat hepatocytes and perfused rat liver: implications for plasma membrane turnover and vesicular trafficking of fluid phase markers. Scharschmidt BF, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(24):9488–92

Structural and functional integrity of rat liver perfused in backward and forward directions. Schölmerich J, et al. **Res Exp Med (Berl)** 1986;186(6):397–405

Extracorporeal isolated pig liver perfusion: influence of various blood primes on liver function. Steffen R, et al. **Res Exp Med (Berl)** 1987;187(4):265–74

Effects of pregnancy and sex hormones on the liver. **Semin Liver Dis** 1987 Feb;7(1):1–66

Female sex steroids and cholestasis. Kreek MJ. **Semin Liver Dis** 1987 Feb;7(1):8–23 (193 ref.)

Pregnancy-associated sex steroids and their effects on the liver. Van Thiel DH, et al. **Semin Liver Dis** 1987 Feb; 7(1):1–7

Investigation of parameters associated with activity of the Kirsten-ras, Harvey-ras, and myc oncogenes in normal rat liver. Vorce RL, et al. **Toxicol Appl Pharmacol** 1987 Aug; 90(1):86–95

Ultrasonic study of in vivo kinetic characteristics of human tissues. Tristam M, et al. **Ultrasound Med Biol** 1986 Dec; 12(12):927–37

Evidence for a migratory capability of rat Kupffer cells to portal tracts and hepatic lymph nodes. Hardonk MJ, et al. **Virchows Arch [B]** 1986;51(5):429–42

[Receptors for fatty acids and bilirubin in the liver cell. Carrier-mediated transport systems of the sinusoidal cytoplasmic membrane] Stremmel W. **Fortschr Med** 1987 May 20;105(15):290–2 (Eng. Abstr.) **(Ger)**

[New concept of systemic acid-base regulation--significance of the liver] Gerok W, et al. **Internist (Berlin)** 1987 Jul; 28(7):429–36 (33 ref.) **(Ger)**

[Studies on simultaneous major resection of the liver and pancreas, with special reference to resectability, liver function and regeneration] Suzaki M. **Nippon Geka Hokan** 1987 Jan 1;56(1):46–61 (Eng. Abstr.) **(Jpn)**

[Fetal blood sampling by liver puncture] Koresawa M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Mar; 39(3):395–9 (Eng. Abstr.) **(Jpn)**

[Features of metabolism and circulation in the liver during general anesthesia during surgery in the maxillofacial area] Gritsuk SF, et al. **Anesteziol Reanimatol** 1986 Nov-Dec; (6):8–10 (Eng. Abstr.) **(Rus)**

[Changes in liver functions during human adaptation to conditions in the North] Gichev IuP. **Fiziol Cheloveka** 1987 Mar-Apr;13(2):296–306 **(Rus)**

[Effect of hyperdynamia on the function of the hepatobiliary system in adolescents] Pleshakov AA, et al. **Fiziol Cheloveka** 1986 Jul-Aug;12(4):553–9 **(Rus)**

[Functional specialization of the left lateral and right internal lobes of the rat liver] Trefilov AB, et al. **Fiziol Zh SSSR** 1986 Oct;72(10):1435–9 (Eng. Abstr.) **(Rus)**

[Mouse splenocyte sensitization to normal tissue antigens and natural killer activity. III. The effect of partial hepatectomy] Malygin AM, et al. **Tsitologiia** 1986 Jul; 28(7):754–8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Cerebral flow and metabolism in experimental liver failure. A comparison between hepatectomy and total hepatic devascularization in pigs. Tønnesen K, et al. **Acta Chir Scand** 1986 Jun-Jul;152:439–45

Influence of protein intake and liver function on acid base balance in premature infants. Boehm G, et al. **Acta Paediatr Hung** 1986;27(2):107–13

Perinatal hypoxia and hepatic cell function in preterm and full term newborn infants. Fekete M, et al. **Acta Paediatr Hung** 1987;28(1):23–8

Hepatorenal syndrome. Studies of the effect of vascular volume and intraperitoneal pressure on renal and hepatic function. Cade R, et al. **Am J Med** 1987 Mar;82(3):427–38

Hypermetabolic state, hepatocyte expansion, and liver blood flow: an interaction triad in alcoholic liver injury. Israel Y, et al. **Ann NY Acad Sci** 1987;492:303–23 (222 ref.)

Age-dependent phagocytosis of erythrocytes by the isolated perfused rat liver after galactosamine hepatitis and alpha-naphthylisothiocyanate cholestasis. Vömel T, et al. **Arch Gerontol Geriatr** 1986 Dec;5(4):351–9

Liver function abnormalities in chronic heart failure. Influence of systemic hemodynamics. Kubo SH, et al. **Arch Intern Med** 1987 Jul;147(7):1227–30

Comparative sensitivity of serum cholylglycine concentration and bromsulphalein retention in patients with early and late alcoholic liver disease. Barnes P, et al. **Aust NZ J Med** 1986 Dec;16(6):785–7

Use of atracurium during major abdominal surgery in infants with hepatic dysfunction from biliary atresia. Simpson DA, et al. **Br J Anaesth** 1986 Nov;58(11):1214–7

Alterations in hepatic membrane potentials in vivo during early and late sepsis. Clemens MG, et al. **Circ Shock** 1987; 22(1):1–9

Serum type III procollagen peptide as a non-invasive marker of liver damage during infancy and childhood in extrahepatic biliary atresia, idiopathic hepatitis of infancy and alpha 1 antitrypsin deficiency. Trivedi P, et al. **Clin Chim Acta** 1986 Dec 15;161(2):137–46

Effect of oral contraceptive on liver function tests of women with schistosomiasis in the Philippines. Sy FS, et al. **Contraception** 1986 Sep;34(3):283–94

Glucose intolerance and hepatic, biliary tract and pancreatic dysfunction. Glick ME, et al. **Dig Dis** 1987;5(2):78–96

Discontinuation of immunosuppressive therapy in hepatitis B surface antigen-positive chronic hepatitis: effect on viral replication and on liver cell damage. Hess G, et al. **Digestion** 1987;36(1):47–54

Diagnosis of tricuspid regurgitation: comparison of jugular venous and liver pulse tracings with combined two-dimensional and Doppler-echocardiography. Scheck-Krejca H, et al. **Eur Heart J** 1986 Nov;7(11):973–8

Liver arterialization prevents thrombocytopenia after portacaval shunt in rats. Aseni P, et al. **Eur Surg Res** 1987; 19(3):159–63

Synthesis of the growth hormone-regulated rat liver anti-protease GHR-P63 is inhibited by acute inflammation. Le Cam G, et al. **FEBS Lett** 1987 Jan 1;210(1):1–5

Role of hepatic dysfunction and bilirubin on CA 19-9 levels in cirrhotic patients [letter] Leandro G, et al. **Gastroenterology** 1987 Jan;92(1):270–1

Regulatory modulation in hepatology. Popper H. **Hepatology** 1987 May-Jun;7(3):586–90

Progressive changes in the liver function of monkeys following Plasmodium knowlesi infection. Khanna R, et al. **Indian J Malariol** 1986 Jun;23(1):43–8

Liver function in moderate obesity—study in 534 moderately obese subjects among 4613 male company employees. Nomura F, et al. **Int J Obes** 1986;10(5):349–54

Liver autophagy in the influenza B virus model of Reye's syndrome in mice. Woodfin BM, et al. **J Cell Biochem** 1986; 31(4):271–5

Altered liver function in diabetes: model experiments with aminopyrine in the rat. Zysset T, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):271–6

Hepatitis B virus infection and liver function in patients with systemic lupus erythematosus. Bonafede RP, et al. **J Rheumatol** 1986 Dec;13(6):1050–2

Effective hepatic blood flow and hepatic bioenergy status in murine peritonitis. Hampton WA, et al. **J Surg Res** 1987 Jan;42(1):33–8

Alterations in biochemical functions during hyperthermic isolation–perfusion of the human liver. Skibba JL, et al. **J Surg Res** 1986 Oct;41(4):432–8

Evaluation of an oral bile acid loading test for assessment of liver function in chronic hepatitis. A comparison with fasting serum bile acids and i.v. galactose elimination test. Foberg U, et al. **Liver** 1987 Apr;7(2):116–22

The function of small intestine and liver in chronic non–specific enteritis in children. Rondio H, et al. **Mater Med Pol** 1986 Apr–Jun;18(2):88–93

Biological significance and prognostic role of opsonic activity for Kupffer cell phagocytosis in experimental liver injuries and partially hepatectomized patients. Arii S. **Nippon Geka Hokan** 1986 Sep 1;55(5):653–61

Drinking by portacaval shunted rats to regulatory challenges. Martin JR. **Physiol Behav** 1987;40(2):143–6

Effect of disulfiram on function of the liver of rats with galactosamine–induced hepatitis. Mach T. **Pol J Pharmacol Pharm** 1986 May–Jun;38(3):235–41

Cryoglobulinemia and liver involvement. Monti G, et al. **Ric Clin Lab** 1986 Apr–Jun;16(2):367–75

Chronic portal venous hypertension. The effect on liver blood flow and liver function and the development of esophageal varices. Jensen LS, et al. **Scand J Gastroenterol** 1987 May;22(4):463–70

Carbon tetrachloride at hepatotoxic levels blocks reversibly gap junctions between rat hepatocytes. Sáez JC, et al. **Science** 1987 May 22;236(4804):967–9

[Recommendations on the duration of exemption from mandatory vaccination in gastroenterologic, liver and metabolic diseases] Schmutzler S, et al. **Kinderarztl Prax** 1986 Nov;54(11):641–3 **(Ger)**

[Unfavorable effect of abdominal arteriography on obstructive jaundice] Okada Y, et al. **Nippon Geka Hokan** 1986 Jul 1;55(4):573–84 (Eng. Abstr.) **(Jpn)**

[Ultrasonographic study of gallbladder wall thickness in relation to hypoalbuminemia, liver dysfunction and ascites] Sata T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Apr 25;47(4):585–9 (Eng. Abstr.) **(Jpn)**

[Advanced valvular heart disease accompanying hepatic dysfunction: preoperative evaluation of the functional reserve of the liver] Morishita Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Mar;35(3):269–75 (Eng. Abstr.) **(Jpn)**

[Influence of pregnancy on HB virus carriers] Tagawa H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan; 39(1):24–30 (Eng. Abstr.) **(Jpn)**

[An estimation of functional reserve of the liver in liver cirrhosis using PABA test] Kiyohara H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep;83(9):2028–34 (Eng. Abstr.) **(Jpn)**

[Deterioration of liver function in cirrhotic patients following endoscopic sclerotherapy of esophageal varices] Matsuda H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Mar; 84(3):684–9 (Eng. Abstr.) **(Jpn)**

[Experimental study on the functional activity of the reticuloendothelial system after partial hepatectomy in normal and CCL4–induced cirrhotic rats] Segawa T. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct;83(10):2161–73 (Eng. Abstr.) **(Jpn)**

[Investigation of hepatic reserve in patients with severe liver dysfunction in the treatment of acute leukemia] Hamazaki H, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1317–22 (Eng. Abstr.) **(Jpn)**

[Evaluation of the functional state of the liver in ulcerative colitis] Skulina D, et al. **Pol Tyg Lek** 1986 Aug 18; 41(33):1034–6 (Eng. Abstr.) **(Pol)**

[Hepatic involvement in human brucellosis. Report of 2 clinical cases] Pignatari AC, et al. **Rev Inst Med Trop Sao Paulo** 1986 Jan–Feb;28(1):46–50 (Eng. Abstr.) **(Por)**

[Morphofunctional changes in the heart, liver and skeletal muscles during temporary occlusion of the abdominal aorta] Sidorenko AI, et al. **Arkh Patol** 1987;49(2):13–20 (Eng. Abstr.) **(Rus)**

[Effect of enterosorption on hepatic and pancreatic functions and coupled metabolism in young rabbits with experimental hepatocholecystitis] Luk'ianova EM, et al. **Fiziol Zh** 1987 Mar–Apr;33(2):25–9 (Eng. Abstr.) **(Rus)**

[Evaluation of the condition of the liver during determination of indications for heart surgery] Loginov AS, et al. **Gruda Khir** 1986 Jul–Aug;(4):37–41 (Eng. Abstr.) **(Rus)**

[Rheo– and radiohepatography in the evaluation of the condition of patients with diffuse polyposis of the large intestine] Eropkina AG, et al. **Klin Med (Mosk)** 1987 May; 65(5):95–8 (Eng. Abstr.) **(Rus)**

[Status of the liver in different forms of pseudotuberculosis] Podlevskii AF, et al. **Klin Med (Mosk)** 1986 Nov; 64(11):91–5 (Eng. Abstr.) **(Rus)**

[Hepatic blood flow and hepatocyte function in patients with congestive heart failure] Podymova SD, et al. **Klin Med (Mosk)** 1987 Jan;65(1):115–6 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation and liver function in nephrotuberculosis patients] Kazakov KS, et al. **Probl Tuberk** 1987;(4):57–9 (Eng. Abstr.) **(Rus)**

[Effect of hyperbaric oxygenation on liver function in tuberculosis patients with drug intolerance] Nurumbaeva SA, et al. **Probl Tuberk** 1987;(5):29–32 (Eng. Abstr.) **(Rus)**

[Disordered liver function in primary chronic pancreatitis] Geller LI, et al. **Sov Med** 1987;(4):90–2 **(Rus)**

[Dynamics of the electrical activity of the organs of experimental animals in the late postmortem period] Nedel'ko NF, et al. **Sud Med Ekspert** 1987 Jan–Mar; 30(1):12–4 (Eng. Abstr.) **(Rus)**

[Characteristics of the morphofunctional changes in the liver of C3HA mice due to immunization with a homogenate of normal syngeneic liver] Medvedeva ND, et al. **Tsitologiia** 1987 Feb;29(2):239–43 (Eng. Abstr.) **(Rus)**

[Radionuclide study of the functional status of the liver in patients with atopic dermatitis] Kaliuzhnaia LD, et al. **Vestn Dermatol Venerol** 1987;(3):52–4 **(Rus)**

[Comparative evaluation of the functional status of the liver after the clinical and experimental use of griseofulvin] Omel'chenko OG, et al. **Vestn Dermatol Venerol** 1987; (5):28–30 (Eng. Abstr.) **(Rus)**

[Functional activity of the liver in patients with infectious forms of syphilis during specific and nonspecific therapy] Platonov SI, et al. **Vestn Dermatol Venerol** 1987;(6):70–4 (Eng. Abstr.) **(Rus)**

[Functional status of the liver in patients with morbid obesity after combined anesthesia with ketalar and neuroleptanalgesia] Borovskikh NA. **Vestn Khir** 1986 Nov; 137(11):91–4 (Eng. Abstr.) **(Rus)**

[Effect of a prolonged peridural block on liver function in cholelithiasis patients] Feofilov GL, et al. **Vestn Khir** 1987 Apr;138(4):127–31 (Eng. Abstr.) **(Rus)**

[The postcholecystectomy syndrome] Danilash IM, et al. **Vrach Delo** 1987 Jan;(1):18–21 (Eng. Abstr.) **(Rus)**

[Liver function in patients with chronic ischemic heart disease combined with peptic ulcer] Kushnir LV, et al. **Vrach Delo** 1986 Dec;(12):42–4 (Eng. Abstr.) **(Rus)**

[Features of vitamin C metabolism and the functional status of the liver in alcoholism and alcoholic delirium in the stage of detoxification therapy] Shugaleĭ IuS. **Zh Nevropatol Psikhiatr** 1987;87(2):240–3 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Alterations in monoamine oxidase activity of the mouse brain and liver after mixed neutron–gamma irradiation. Bodó K, et al. **Acta Physiol Hung** 1987;69(2):181–8

The effects of liver directed radiotherapy and chemotherapy on liver function tests and hematological parameters in patients with surgically resected colon cancer: findings from the Gastrointestinal Tumor Study Group. Thomas PR, et al. **Am J Gastroenterol** 1987 Aug;82(8):738–43

Biological effects of intrahepatic neodymium:yttrium–aluminum–garnet laser photocoagulation in rats. Matthewson K, et al. **Gastroenterology** 1987 Sep;93(3):550–7

Radiation–induced mouse liver neoplasms and hepatocyte survival. Di Majo V, et al. **JNCI** 1986 Oct;77(4):933–9

Hepatobiliary kinetics after whole body irradiation. Durakovic A. **Milit Med** 1986 Sep;151(9):487–9

Correlation of circadian changes in tyrosine aminotransferase and tryptophan–2–3–dioxygenase in rat liver to irradiation at different times of the day. Toropila M, et al. **Physiol Bohemoslov** 1987;36(2):135–40

Comparison of direct and indirect radiation effects on osteoclast formation from progenitor cells derived from different hemopoietic sources. Scheven BA, et al. **Radiat Res** 1987 Jul;111(1):107–18

Changes of lipogenesis in long term continuously irradiated rats. Sedláková A, et al. **Radiobiol Radiother (Berl)** 1986; 27(5):549–54

Increased metallothionein content in rat liver and kidney following X–irradiation. Shiraishi N, et al. **Toxicol Appl Pharmacol** 1986 Sep 15;85(2):128–34

[Evaluation of radiation–induced hepatic injury using scintigraphic methods] Takenaka H. **Kaku Igaku** 1987 Apr; 24(4):373–81 (Eng. Abstr.) **(Jpn)**

[A factor of increase of hepatic metallothionein content in normal and adrenalectomized rats induced by whole body irradiation] Togami I. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Jan 25; 47(1):69–73 (Eng. Abstr.) **(Jpn)**

[Formation of peroxide–type radicals during low–temperature cell and tissue irradiation] Bunina EF, et al. **Izv Akad Nauk SSSR [Biol]** 1987 May–Jun;(3):465–8 (Eng. Abstr.) **(Rus)**

[Induction of unscheduled DNA synthesis in the nuclear matrix of rat hepatocytes after whole–body gamma irradiation of the animals] Bezlepkin VG, et al. **Radiobiologiia** 1986 Nov–Dec;26(6):743–8 (Eng. Abstr.) **(Rus)**

[Alkaline phosphatase and transaminase activity in the liver and blood serum of rats in the late periods following combined exposure to external gamma radiation and alpha radiation from plutonium–239] Elkina NI, et al. **Radiobiologiia** 1986 Nov–Dec;26(6):838–42 (Eng. Abstr.) **(Rus)**

[Postradiation activation of proteinases associated with the hepatocyte nuclear matrix in rats] Gaziev AI, et al. **Radiobiologiia** 1987 Mar–Apr;27(2):166–70 (Eng. Abstr.) **(Rus)**

[Polyploidization of rat hepatocytes induced by x–ray radiation at different periods of the cell cycle] Gil'iano NIa, et al. **Radiobiologiia** 1987 May–Jun;27(3):375–7 (Eng. Abstr.) **(Rus)**

[Effect of ionizing radiation on the turnover of catalase–degrading proteinase in rat hepatocytes] Komov VP, et al. **Radiobiologiia** 1987 May–Jun;27(3):390–2 (Eng. Abstr.) **(Rus)**

[Activity of the enzymatic drug–metabolizing system of the liver in combined radiation–thermal injury] Matveeva IA, et al. **Radiobiologiia** 1987 May–Jun;27(3):422–3 (Eng. Abstr.) **(Rus)**

[Lysosomal proteinase activity in the small intestine and liver of irradiated animals following thermal exposure] Nesterenko VS. **Radiobiologiia** 1987 Mar–Apr;27(2):270–2 (Eng. Abstr.) **(Rus)**

[Effect of the cytoplasm of irradiated cells on chromatin degradation in mouse thymocytes and hepatocytes] Soldatenkov VA, et al. **Radiobiologiia** 1987 Jan–Feb; 27(1):16–9 (Eng. Abstr.) **(Rus)**

[Mutability of the liver cells in the progeny of irradiated male rats] Vorobtsova IE. **Radiobiologiia** 1987 May–Jun; 27(3):377–81 (Eng. Abstr.) **(Rus)**

[Status of the liver of rheumatoid arthritis patients after treatment with open radionuclides] D'iakova AM, et al. **Revmatologiia (Moskva)** 1987 Jan–Mar;(1):17–21 (Eng. Abstr.) **(Rus)**

[Effect of decimeter waves on glucocorticoid reception in the liver of the rat] Gontar' EV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Nov–Dec; (6):21–4 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Site and number of liver tumors recorded at angiography and computed tomography compared with the findings at laparotomy and of resected liver specimens. Lundstedt C, et al. **Acta Radiol** 1987 Mar–Apr;28(2):153–60

Computed tomography findings of hepatic lesions in human fascioliasis: report of two cases. Takeyama N, et al. **Am J Gastroenterol** 1986 Nov;81(11):1078–81

Computed tomography of the liver after biopsy. Malone DE, et al. **Clin Radiol** 1987 Jan;38(1):97–9

Apparent extra–hepatic invasion by metastatic tumours in the liver. Weinbren K, et al. **Clin Radiol** 1987 Jul; 38(4):357–62

Computed tomographic enhancement of liver and spleen in the dog with iodipamide ethyl ester particulate suspensions. Sands MS, et al. **Invest Radiol** 1987 May;22(5):408–16

Contrast enhancement of the liver. Evaluation by automated contiguous pixel search. Stude RA, et al. **Invest Radiol** 1987 Feb;22(2):132–6

Transient hepatic attenuation differences on dynamic computed tomography. Itai Y, et al. **J Comput Assist Tomogr** 1987 May–Jun;11(3):461–5

Computed tomography of the liver after dearterialization and intraarterial chemotherapy. Keramati B, et al. **J Comput Tomogr** 1986 Oct;10(4):303–7

Left lobe of the liver mimicking perisplenic collections. Crivello MS, et al. **JCU** 1986 Nov–Dec;14(9):697–701

Radioiodinated Rhodamine–123: a potential cationic hepatobiliary imaging agent. Moonen P, et al. **Nucl Med Commun** 1987 Feb;8(2):99–104

Gaucher disease of the liver: CT appearance. Glass RB, et al. **Pediatr Radiol** 1987;17(5):417–8

Perfluorochemicals as US contrast agents for tumor imaging and hepatosplenography: preliminary clinical results. Mattrey RF, et al. **Radiology** 1987 May;163(2):339–43

The periportal collar: a CT sign of liver transplant rejection. Wechsler RJ, et al. **Radiology** 1987 Oct;165(1):57–60

[A roentgen study on the anatomic basis of left subphrenic abscess: emphasis placed on the anatomic features of the left triangular ligament of the liver (LTLL)] Min PQ. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Jun;20(3):138–41 (Eng. Abstr.) **(Chi)**

[Arterial computerized tomography of the liver compared to conventional computerized tomography and arteriography] Van Beers B, et al. **J Belge Radiol** 1986; 69(5):321–7 (Eng. Abstr.) **(Fre)**

[The effect and CT imaging of FAM hepatic infusion chemotherapy in patients with liver metastasis from colorectal carcinoma] Aoki T, et al. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2744–8 (Eng. Abstr.) **(Jpn)**

[The features of liver metastasis of breast cancer on imaging and its response to arterial infusion chemotherapy] Kakuta T, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):3010–5 (Eng. Abstr.) **(Jpn)**

[Contrast media for computed tomography of the liver] Sviridov NK. **Med Radiol (Mosk)** 1987 Apr;32(4):82–4 (28 ref.) **(Rus)**

RADIONUCLIDE IMAGING

Ultrasonography and scintigraphy of the liver in focal and diffuse disease. Henriksson L, et al. **Acta Radiol** 1987 Mar–Apr;28(2):165–8

Evaluation of subjective assessment of liver function from radionuclide images. Jago JR, et al. **Br J Radiol** 1987 Feb; 60(710):127–32

Phantom gallbladder. A variant of the rim sign. Arose B, et al. **Clin Nucl Med** 1987 Jun;12(6):457–60

Gallbladder visualization after hepatic washout. Drane WE. **Clin Nucl Med** 1987 Jun;12(6):453–6

Diagnosis of malignant pericardial effusion during dynamic hepatic scintigraphy. Gates GF. **Clin Nucl Med** 1987 Mar;

12(3):173–5

"Pseudo" abdominal situs inversus following trauma. Grimmond AP, et al. **Clin Nucl Med** 1986 Nov;11(11):809

Hepatic cirrhosis in a patient with total situs inversus. Unique findings on liver–spleen imaging [corrected and republished article originally printed in Clin Nucl Med 1986 Oct;11(10):726–7] Kuhn MJ, et al. **Clin Nucl Med** 1987 Mar; 12(3):243–4

Hepatic uptake of technetium–99m diphosphonate in thalassemia major. Levy HM, et al. **Clin Nucl Med** 1986 Feb;11(2):110–2

Nonvisualization of the liver by indium–111 oxine labeled leukocytes in alcoholic liver disease. Segall GM, et al. **Clin Nucl Med** 1986 Feb;11(2):79–81

Progression of mediastinal tuberculosis and superior vena caval obstruction demonstrated by gallium–67 citrate and radiocolloid liver scintigraphy. Shih WJ, et al. **Clin Nucl Med** 1986 Feb;11(2):126–8

Different patterns for bile leakage following cholecystectomy demonstrated by hepatobiliary imaging. Siddiqui AR, et al. **Clin Nucl Med** 1986 Nov;11(11):751–3

The effect of prolonged fasting and total parenteral nutrition on hepatobiliary imaging with technetium–99m DISIDA. Sippo WC, et al. **Clin Nucl Med** 1987 Mar;12(3):169–72

Biloma detected on hepatobiliary scan. Skarzynski J, et al. **Clin Nucl Med** 1987 May;12(5):410

Hepatic hot spot on both radiocolloid and hepatobiliary imaging in acute cholecystitis. Slavin JD Jr, et al. **Clin Nucl Med** 1987 Jul;12(7):536–8

Liver scintigraphy in chronic hepatosplenic schistosomiasis. A predictor of disease severity. Sostre S, et al. **Clin Nucl Med** 1987 Apr;12(4):277–80

False-positive liver scan due to an intrahepatic gallbladder detected by cholescintigraphy. Velchik MG, et al. **Clin Nucl Med** 1987 Jan;12(1):50–2

Hepatic vein dilatation as seen on single photon emission computed tomography (SPECT) of the liver. Edeburn GF, et al. **Eur J Nucl Med** 1987;12(11):578–9

Pectus excavatum defect on liver–spleen scintigraphy. Moreno AJ, et al. **Eur J Nucl Med** 1986;12(5–6):309–10

Imaging and assessment of regional clearances of indium–111 labelled circulating immune complexes in humans. Wirquin E, et al. **Eur J Nucl Med** 1986;12(5–6):274–6

Single photon emission computerized tomography (SPECT) for monitoring regeneration of the human liver after partial hepatectomy for secondary tumours. Szawlowski AW, et al. **Eur J Surg Oncol** 1986 Dec;12(4):389–92

Site-specifically modified 111In labelled antibodies give low liver backgrounds and improved radioimmunoscintigraphy. Alvarez VL, et al. **Int J Rad Appl Instrum [B]** 1986; 13(4):347–52

Distribution of 95Zr and 181Hf in tumor–bearing animals and mechanism for accumulation in tumor and liver. Ando A, et al. **Int J Rad Appl Instrum [B]** 1986;13(1):21–9

Phenolic aminocarboxylate chelates of 99mTc as hepatobiliary agents. Hunt FC, et al. **Int J Rad Appl Instrum [B]** 1986;13(3):289–93

Radionuclide cholescintigraphic imaging: an evaluation of several 99mTc labelled hepatobiliary radiopharmaceuticals [published erratum appears in Int J Rad Appl Instrum [B] 1987;14(2):164] van Aswegen A, et al. **Int J Rad Appl Instrum [B]** 1986;13(5):509–14

Hepatobiliary magnetic resonance contrast agents assessed by gadolinium–153 scintigraphy. Engelstad BL, et al. **Invest Radiol** 1987 Mar;22(3):232–8

A false-positive hepatobiliary scan: case report and literature review. Whalen JP. **J Fam Pract** 1987 Mar;24(3):261–4

Potential tumor- or organ–imaging agents. 27. Polyiodinated 1,3–disubstituted and 1,2,3–trisubstituted triacylglycerols. Weichert JP, et al. **J Med Chem** 1986 Dec;29(12):2457–65

Calculations in feature extraction of space–occupying lesions [letter] Arora SS. **J Nucl Med** 1987 May;28(5):927–8

Colloid shift following blunt trauma. Briggs RC, et al. **J Nucl Med** 1987 Feb;28(2):188–90

Effect of patient positioning on liver size estimation. Jackson ML, et al. **J Nucl Med** 1986 Oct;27(10):1632–4

Colloid shift following trauma [letter] Lee HK, et al. **J Nucl Med** 1987 Aug;28(8):1366

Detecting bone marrow metastases at the time of examining the liver with radiocolloid. Lentle BC, et al. **J Nucl Med** 1987 Feb;28(2):184–7

Gastroesophageal reflux demonstrated by hepatobiliary imaging in scleroderma. Sawaf NW, et al. **J Nucl Med** 1987 Mar;28(3):387–9

Hepatic visualization on iodine–131 whole–body thyroid cancer scans. Ziessman HA, et al. **J Nucl Med** 1987 Sep; 28(9):1408–11

Diagnostic utility of hepatobiliary scintigraphy with 99mTc–DISIDA in neonatal cholestasis. Spivak W, et al. **J Pediatr** 1987 Jun;110(6):855–61

Quantitative scintigraphy with deconvolutional analysis for the dynamic measurement of hepatic function. Tagge EP, et al. **J Surg Res** 1987 Jun;42(6):605–12

Liver scintiscanning as a screening test in the detection of alcoholic cirrhosis [letter] Arkles LB. **Nucl Med Commun** 1986 Dec;7(12):915

Volumetric measurements in endotoxic shock using single photon emission tomography (SPET). Christenson JT, et al. **Nucl Med Commun** 1986 Oct;7(10):771–7

Absolute quantification of pharmacokinetic distribution of RES colloids in individuals with normal liver function. Herzog H, et al. **Nucl Med Commun** 1987 Mar;8(3):157–75

Proposal of segmental reading of radionuclide images of the liver. Oyamada H. **Nucl Med Commun** 1987 Jan;8(1):11–31

Comparison in rabbits of chole–scintigraphic properties of several 99mTc–IDA derivatives. Kapuściński J, et al. **Nuklearmedizin** 1986 Oct;25(5):188–93

Distribution of iodized oil within the liver after hepatic arterial injection [letter] Park CH, et al. **Radiology** 1987 Aug;164(2):585–6

The quantitative approach to the 99mTc–IDA radiohepatogram: clinical testing of three methods. Galli G, et al. **Rays** 1985 Sep–Dec;10(3):105–18

Hepatosplenic captation index (S/L ratio) as a portal hypertension test. Piaggi V, et al. **Rays** 1985 May–Aug; 10(2):97–101

Efficiency of composite tests in gastrointestinal cancer. Preoperative prediction of liver metastases by scintigraphy, alkaline phosphatase, and carcinoembryonic antigen. Christensen M, et al. **Scand J Gastroenterol** 1987 Apr; 22(3):273–8

Evidence that 111In–labelled platelets pool in the spleen, but not in the liver of normal humans and baboons. Kotzé HF, et al. **Scand J Haematol** 1986 Sep;37(3):259–64

Time–based multiple organ functional images. Freeman ML, et al. **Semin Nucl Med** 1987 Jan;17(1):39–57 (25 ref.)

Spleen–liver scintiscan: a new technique for distinguishing allograft rejection from cyclosporine nephrotoxicity. Galishoff ML, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1795–800

[The preparation and application of 99mTc–(Sn)–pyridoxylidene tryptophan—a hepatobiliary imaging agent] Tan TZ, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun;18(2):183–6 (Eng. Abstr.) **(Chi)**

[Cholescintigraphy as a functional method of examining the hepatobiliary system] Bláha V, et al. **Vnitr Lek** 1986 Oct; 32(10):943–7 (Eng. Abstr.) **(Cze)**

[Preparation of 99mTc–Sn–N–(2,6–diethylacetanilido)–imidodiacetate from ROTOP–EHIDA] Berger R, et al. **Radiobiol Radiother (Berl)** 1986;27(6):727–32 (Eng. Abstr.) **(Ger)**

[Animal experiment study of the use of radioisotopes in studies on the hepatobiliary system. 1.] Kämpfer I, et al. **Radiobiol Radiother (Berl)** 1986;27(6):721–6 **(Ger)**

[The Liver Study Group: Blood circulation of the liver and methods of determining it] **Z Gastroenterol [Verh]** 1987 Apr;22:101–19 **(Ger)**

[A new liver function test using the asialoglycoprotein–receptor system on the liver cell membrane: III. Evaluation of its usefulness by a liver function test using Tc–99m–neoglycoprotein] Hazama H, et al. **Kaku Igaku** 1986 Jul;23(7):917–26 (Eng. Abstr.) **(Jpn)**

[A new liver function test using the asialoglycoprotein–receptor system on the liver cell membrane: II. Quantitative evaluation of labeled neoglycoprotein clearance] Kawa S, et al. **Kaku Igaku** 1986 Jul;23(7):907–16 (Eng. Abstr.) **(Jpn)**

[A new liver function test using the asialoglycoprotein–receptor system on the liver cell membrane: I. Evaluation of liver imaging using Tc–99m–neoglycoprotein] Kubota Y, et al. **Kaku Igaku** 1986 Jul;23(7):899–905 (Eng. Abstr.) **(Jpn)**

[Evaluation of estimation method for organ volume and uptake with single photon emission computed tomography (SPECT)] Toyama H, et al. **Kaku Igaku** 1987 Jan; 24(1):35–45 (Eng. Abstr.) **(Jpn)**

[Clinical research on the demonstration of the portal venous system and its collaterals using dynamic images of liver scintigraphy] Ikoma N. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Nov 25; 46(11):1302–13 (Eng. Abstr.) **(Jpn)**

[Liver scintigraphy] Odano I. **Rinsho Byori** 1986 Jun;34 Spec No 67:162–73 **(Jpn)**

[Liver scintigraphy of post irradiated liver] Murayama S, et al. **Rinsho Hoshasen** 1987 Jan;32(1):85–9 (Eng. Abstr.) **(Jpn)**

[Scintigraphic studies of the bone marrow, liver and spleen in hematologic depression] Turbina NS, et al. **Gematol Transfuziol** 1987 Apr;32(4):40–2 (Eng. Abstr.) **(Rus)**

[Radionuclide evaluation of liver function in breast cancer based on mathematical modelling] Dzhalmukashev UK. **Med Radiol (Mosk)** 1987 Jun;32(6):9–12 (Eng. Abstr.) **(Rus)**

[Dynamic scintigraphy of the liver using 131I–rose bengal and the bile acid content of the blood following gastrectomy for cancer] Lekhtman AM, et al. **Med Radiol (Mosk)** 1987 Mar;32(3):35–8 (Eng. Abstr.) **(Rus)**

[Hepatic scintigraphy using 99mTc–colloid in liver cirrhosis in children] Mironov SP. **Med Radiol (Mosk)** 1987 Mar; 32(3):31–5 (Eng. Abstr.) **(Rus)**

[Pharmacokinetics of 99m Tc–technephyte in radionuclide studies of the liver and spleen] Ovdienko NI, et al. **Med Radiol (Mosk)** 1987 Jul;32(7):63–7 (Eng. Abstr.) **(Rus)**

[Radionuclide research on liver and kidney function in thyroid cancer after radioiodine therapy] Vasil'ev LIa, et al. **Med Radiol (Mosk)** 1987 Mar;32(3):38–41 (Eng. Abstr.) **(Rus)**

[Hepatobiliary scintigraphy of children with the nephrotic form of glomerulonephritis at different stages in immunodepressive therapy] Bagdasarova IV, et al. **Pediatriia** 1986 Nov;(11):14–8 (Eng. Abstr.) **(Rus)**

[Functional state of the hepato–biliary system in patients with thyroid diseases studied with radiopharmaceuticals] Matveenko EG, et al. **Probl Endokrinol (Mosk)** 1987 Jan–Feb;33(1):21–5 (Eng. Abstr.) **(Rus)**

[A radionuclide method of examination after decompression of the biliary tract] Gordeev VF, et al. **Sov Med** 1986; (7):99–101 **(Rus)**

[Liver function of rosacea patients based on radionuclide study data] Glukhen'kiĭ BT, et al. **Vestn Dermatol Venerol** 1986;(7):38–40 (Eng. Abstr.) **(Rus)**

[Hepatobiliary scintigraphy in the diagnosis of gallstones in young people] Krivitskiĭ DI, et al. **Vestn Khir** 1986 Oct; 137(10):36–40 (Eng. Abstr.) **(Rus)**

SECRETION

Suppression of triglyceride secretion by epinephrine in isolated rat hepatocytes. Brindle NP, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):191–7

Cadmium–induced inhibition of protein secretion from liver: pretreatment effect and specificity among cadmium, copper and zinc. Mitane Y, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2225–7

Cadmium inhibits protein secretion from cultured rat liver parenchymal cells. Mitane Y, et al. **Biochem Pharmacol** 1987 Aug 15;36(16):2647–52

Effect of diabetes and of 7 alpha–hydroxycholesterol infusion on the profile of bile acids secreted by the isolated rat livers. Ogura Y, et al. **Biol Chem Hoppe Seyler** 1986 Oct; 367(10):1095–9

Effect of stimulation of endogenous glucagon secretion by amino acid administration on canine hepatic bile flow. Kaminski DL, et al. **Dig Dis Sci** 1987 Apr;32(4):401–8

Effects of calmodulin antagonists on secretion of bile and bile acid. Hashimoto N, et al. **Gastroenterol Jpn** 1987 Apr; 22(2):194–202

Role of acetaldehyde in the ethanol–induced impairment of hepatic glycoprotein secretion in the rat in vivo. Volentine GD, et al. **Hepatology** 1987 May–Jun;7(3):490–5

Release of hepatic lipase and very low density lipoprotein by cultured rat hepatocytes. Rustan AC, et al. **Int J Biochem** 1986;18(10):909–16

Transforming growth factor–beta. A very potent inhibitor of myoblast differentiation, identical to the differentiation inhibitor secreted by Buffalo rat liver cells. Florini JR, et al. **J Biol Chem** 1986 Dec 15;261(35):16509–13

Secretion and uptake of nascent hepatic very low density lipoprotein by perfused livers from fed and fasted rats. Wilcox HG, et al. **J Lipid Res** 1987 Apr;28(4):351–60

Effect of cholecystokinin–octapeptide on total parenteral nutrition–induced changes in hepatic bile secretion and composition in the rat. Innis SM. **J Pediatr Gastroenterol Nutr** 1986 Sep–Oct;5(5):793–8

Effect of chlorinated alkanes on hepatic triglyceride secretion. Selan FM, et al. **Res Commun Chem Pathol Pharmacol** 1987 Feb; 55(2):249–69

[Role of various gastrointestinal hormones in the regulation of the exocrine function of the liver before and after cholecystectomy] Ivanchenkova RA, et al. **Klin Med (Mosk)** 1987 Jun;65(6):88–93 (Eng. Abstr.) **(Rus)**

SURGERY

Encouraging results with a modified Sawaguchi hepatoportoenterostomy for biliary atresia. Canty TG Sr. **Am J Surg** 1987 Jul;154(1):19–26

Results of 32 major hepatic resections for primary and secondary malignancies of the liver. Turunen MJ, et al. **Ann Chir Gynaecol** 1986;75(4):209–14 (22 ref.)

Determinants of survival in liver resection for colorectal secondaries. Ekberg H, et al. **Br J Surg** 1986 Sep; 73(9):727–31

Evaluation of hepatic resection for hepatocellular carcinoma in the elderly. Ezaki T, et al. **Br J Surg** 1987 Jun;74(6):471–3

Current clinical management of organoprotection in hepatic surgery. Blumhardt G, et al. **Klin Wochenschr** 1986;64 Suppl 7:144–5

A new clamp for hepatic resection. Goldwasser B, et al. **Surg Gynecol Obstet** 1987 Apr;164(4):379–80

One stage hepaticocholecystojejunostomy as an easy and long term effective bilioenteric bypass for unresectable carcinoma of the pancreas. Koga A, et al. **Surg Gynecol Obstet** 1987 Aug;165(2):177–9

A simple hydrosurgery apparatus for hepatic surgery. Singh H. **Trop Gastroenterol** 1986 Apr–May;7(2):75–8

[Hepatoduodenostomy by a retrogastric interposed jejunal loop. Apropos of 24 cases] Tchang TH, et al. **Ann Chir** 1986 May;40(4):281–2 (Eng. Abstr.) **(Fre)**

[Use of argon laser in experimental liver surgery] Modesti M, et al. **Minerva Chir** 1987 Feb 15;42(3):145–53 (Eng. Abstr.) **(Ita)**

[Study of bilio–digestive anastomosis using isotopic monitoring] Gómez Martínez JM, et al. **Rev Esp Enferm Apar Dig** 1986 Dec;70(6):523–8 (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

Surgical complications in human orthotopic liver transplantation. Lerut J, et al. **Acta Chir Belg** 1987 May–Jun;87(3):193–204

MR evaluation of the portal vein in pediatric liver transplant candidates. Day DL, et al. **AJR** 1986 Nov;147(5):1027–30

Liver allograft transplantation: postoperative CT findings. Letourneau JG, et al. **AJR** 1987 Jun;148(6):1099–103

Abdominal sonography after hepatic transplantation: results in 36 patients. Letourneau JG, et al. **AJR** 1987 Aug; 149(2):299–303

Liver transplant rejection: angiographic findings in 35 patients. White RM, et al. **AJR** 1987 Jun;148(6):1095–8

Cholangiographic findings in hepatic artery occlusion after liver transplantation. Zajko AB, et al. **AJR** 1987 Sep; 149(3):485–9

Liver transplantation for treatment of cardiovascular disease: comparison with medication and plasma exchange in homozygous familial hypercholesterolemia. Hoeg JM, et al. **Am J Cardiol** 1987 Mar 1;59(6):705–7

Linear growth following pediatric liver transplantation. Urbach AH, et al. **Am J Dis Child** 1987 May;141(5):547–9

A review of liver transplantation for gastroenterologists. Wood RP, et al. **Am J Gastroenterol** 1987 Jul;82(7):593–606 (92 ref.)

Recurrent hepatitis B in liver allograft recipients. Differentiation between viral hepatitis B and rejection. Demetris AJ, et al. **Am J Pathol** 1986 Oct;125(1):161–72

Induction of peroxisome proliferation in hepatocytes transplanted into the anterior chamber of the eye. A model system for the evaluation of xenobiotic-induced effects. Rao MS, et al. **Am J Pathol** 1986 Sep;124(3):519–27

Fulminant hepatic failure: the role of liver transplantation as primary therapy. Brems JJ, et al. **Am J Surg** 1987 Jul; 154(1):137–41

Diagnostic criteria for liver allograft rejection [letter] Kemnitz J, et al. **Am J Surg Pathol** 1987 Sep;11(9):737–8

Liver allograft rejection. An analysis of the use of biopsy in determining outcome of rejection. Snover DC, et al. **Am J Surg Pathol** 1987 Jan;11(1):1–10

Lack of haematological and biochemical consequences following autologous blood transfusion [letter] Mendel L, et al. **Anaesthesia** 1986 Dec;41(12):1259–60

The prevention of renal impairment in patients undergoing orthotopic liver grafting by infusion of low dose dopamine. Polson RJ, et al. **Anaesthesia** 1987 Jan;42(1):15–9

Glucose metabolism during liver transplantation in dogs. DeWolf AM, et al. **Anesth Analg** 1987 Jun;66(1):76–80

Epsilon-aminocaproic acid for treatment of fibrinolysis during liver transplantation. Kang Y, et al. **Anesthesiology** 1987 Jun;66(6):766–73

Atypical serum cholinesterase eliminated by orthotopic liver transplantation. Khoury GF, et al. **Anesthesiology** 1987 Aug;67(2):273–4

Cardiovascular depression secondary to ionic hypocalcemia during hepatic transplantation in humans. Marquez J, et al. **Anesthesiology** 1986 Nov;65(5):457–61

Emergency liver transplantation for fulminant hepatitis. Bismuth H, et al. **Ann Intern Med** 1987 Sep;107(3):337–41

Hypertrophic osteoarthropathy related to end stage cholestatic cirrhosis: reversal after liver transplantation. Huaux JP, et al. **Ann Rheum Dis** 1987 Apr;46(4):342–5

Fetal allograft survival in immunocompetent recipients is age dependent and organ specific. Foghia RP, et al. **Ann Surg** 1986 Oct;204(4):402–10

Survival from hepatic transplantation. Relationship of protein synthesis to histological abnormalities in patient selection and postoperative management. Jenkins RL, et al. **Ann Surg** 1986 Oct;204(4):364–74

Complications of venous reconstruction in human orthotopic liver transplantation. Lerut J, et al. **Ann Surg** 1987 Apr; 205(4):404–14

Hemodynamics and coagulation in experimental auxiliary liver transplantation during fulminant hepatic failure. Reuvers CB, et al. **Ann Surg** 1986 Nov;204(5):552–8

The reversal of the hepatorenal syndrome in four pediatric patients following successful orthotopic liver transplantation. Wood RP, et al. **Ann Surg** 1987 Apr; 205(4):415–9

Impaired clearance of ceftizoxime and cefotaxime after orthotopic liver transplantation. Burckart GJ, et al. **Antimicrob Agents Chemother** 1987 Feb;31(2):323–4

Liver transplantation. **Arch Dis Child** 1986 Dec;61(12):1250

Liver transplantation—a role for all paediatricians. Mowat AP. **Arch Dis Child** 1987 Apr;62(4):325–6

The challenges of ionized calcium. Cardiovascular management and critical limits [editorial] Kost GJ. **Arch Pathol Lab Med** 1987 Oct;111(10):932–4

Ionized calcium monitoring during liver transplantation. Wu AH, et al. **Arch Pathol Lab Med** 1987 Oct;111(10):935–8

Amino acid clearance in cirrhosis. A predictor of postoperative morbidity and mortality. Pearl RH, et al. **Arch Surg** 1987 Apr;122(4):468–73

Application of an antithrombogenic Anthron bypass tube to experimental orthotopic liver transplantation. Studies on blood coagulation and fibrinolysis. Nakao A, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):503–7

Microencapsulated hepatocytes as a bioartificial liver. Sun AM, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):39–41

Medical aspects of liver transplantation. Dorney S. **Aust Fam Physician** 1987 May;16(5):645, 649

Liver transplantation in Australia: current status and future prospects [editorial] Sheil AG. **Aust NZ J Surg** 1986 Nov; 56(11):815–7

Liver transplantation in children: experience with the development of an Australian pilot programme. The Queensland Liver Transplantation Programme. **Aust Paediatr J** 1986 Aug;22(3):181–4

Liver transplantation in the treatment of hepatic malignancy. Polson RJ, et al. **Baillieres Clin Gastroenterol** 1987 Jan; 1(1):171–82 (12 ref.)

Liver transplantation in hemophilia A. Bontempo FA, et al. **Blood** 1987 Jun;69(6):1721–4

Erythropoietin production by the fetal liver in an adult environment. Flake AW, et al. **Blood** 1987 Aug;70(2):542–5

Preservation methods for liver transplantation. Bergren CT, et al. **Bol Asoc Med PR** 1986 Oct;78(10):434–6

Pharmacokinetics of morphine in two children before and after liver transplantation. Shelly MP, et al. **Br J Anaesth** 1986 Nov;58(11):1218–23

Transplantation. The liver. Hobbs KE, et al. **Br J Hosp Med** 1986 Dec;36(6):410–4

Liver transplantation: a subtle revolution [editorial] Bismuth H. **Br J Surg** 1987 May;74(5):339–40

Orthotopic liver transplantation: postoperative complications and their management. Kirby RM, et al. **Br J Surg** 1987 Jan;74(1):3–11

Liver transplant rejection arteritis: serial hepatic arteriography. Morse SS, et al. **Cardiovasc Intervent Radiol** 1986;9(4):191–4

Histochemical studies on the pancreas of dogs rescued by fetal liver cell transplantation after lethal total body X-irradiation. Michel C, et al. **Cell Mol Biol** 1987; 33(1):91–100

Liver transplantation at the Cleveland Clinic. Early results. Carey W, et al. **Cleve Clin J Med** 1987 Mar–Apr; 54(2):83–90

Relationships of cyclosporine concentrations in serum, whole blood, and bile after renal and hepatic transplantation. Vine W, et al. **Clin Chem** 1986 Oct;32(10):1828–31

Change in alpha 1-antitrypsin phenotype after orthotopic liver transplant. van Furth R, et al. **Clin Exp Immunol** 1986 Dec;66(3):669–72

Psychiatric liaison to liver transplant recipients. Krener PG. **Clin Pediatr (Phila)** 1987 Feb;26(2):93–7

Liver transplantation [editorial] Rosson RS. **Conn Med** 1986 Oct;50(10):705

Current status of liver transplantation. Schweizer RT, et al. **Conn Med** 1986 Oct;50(10):641–5 (11 ref.)

Anesthesia considerations for orthotopic liver transplantation. Borland LM, et al. **Contemp Anesth Pract** 1987;10:157–82

Adult respiratory distress syndrome associated with acute liver allograft rejection: resolution following hepatic retransplantation. Matuschak GM, et al. **Crit Care Med** 1987 Sep;15(9):878–81

Orthotopic liver transplantation in pigs without cold perfusion of the donor liver. Evaluation by quantitative liver function tests. Barbier PA, et al. **Eur Surg Res** 1986; 18(5):293–301

Prolongation of graft survival in allogeneic pancreas and liver transplantation by (-)15-deoxyspergualin. Thies JC, et al. **Eur Surg Res** 1987;19(3):129–34

In vivo dynamic 99mTc-HIDA scintigraphy after hepatocyte transplantation: a new method for the monitoring of graft function. Vroemen JP, et al. **Eur Surg Res** 1987; 19(3):140–50

Effects of renal impairment on liver transplantation. Rimola A, et al. **Gastroenterology** 1987 Jul;93(1):148–56

Radiographic features of liver allograft rejection. Dominguez R, et al. **Gastrointest Radiol** 1986;11(4):326–9

Percutaneous transhepatic cholangiography and biliary drainage after liver transplantation: a five-year experience. Zajko AB, et al. **Gastrointest Radiol** 1987;12(2):137–43

Prognostic value of preoperatively obtained clinical and laboratory data in predicting survival following orthotopic liver transplantation. Cuervas-Mons V, et al. **Hepatology** 1986 Sep–Oct;6(5):922–7

Subtypes of antimitochondrial antibodies in primary biliary cirrhosis before and after orthotopic liver transplantation. Haagsma EB, et al. **Hepatology** 1987 Jan–Feb;7(1):129–33

Interactions between liver allografts and lymphocytotoxic alloantibodies in inbred rats. Houssin D, et al. **Hepatology** 1986 Sep–Oct;6(5):994–8

Evidence that host size determines liver size: studies in dogs receiving orthotopic liver transplants. Kam I, et al. **Hepatology** 1987 Mar–Apr;7(2):362–6

Orthotopic liver transplantation for type I Crigler–Najjar syndrome. Kaufman SS, et al. **Hepatology** 1986 Nov–Dec; 6(6):1259–62

The acute vanishing bile duct syndrome (acute irreversible rejection) after orthotopic liver transplantation. Ludwig J, et al. **Hepatology** 1987 May–Jun;7(3):476–83

Orthotopic liver transplantation for acute and subacute hepatic failure in adults. Peleman RR, et al. **Hepatology** 1987 May–Jun;7(3):484–9

Histopathology of early and late human allograft rejection [letter] Ruebner BH, et al. **Hepatology** 1987 Jan–Feb; 7(1):203–4

Recurrent disease in patients with liver transplantation: when does it occur and how can we be sure? Van Thiel DH, et al. **Hepatology** 1987 Jan–Feb;7(1):181–3

Current status of liver transplantation. Sabesin SM, et al. **Hosp Pract [Off]** 1987 Jul 15;22(7):75–86

Dynamics of allospecific T lymphocyte infiltration in vascularized human allografts. Fung JJ, et al. **Immunol Res** 1986;5(2):149–63

The origin of bile ductular-like structures after transplantation of regenerating hepatocytes into the spleen of syngeneic rats. Fogli L, et al. **Ital J Surg Sci** 1987; 17(2):147–51

Nutrition support of the adult liver transplant candidate. Shronts EP, et al. **J Am Diet Assoc** 1987 Apr;87(4):441–8, 451

The incidence and implications of chest radiographic abnormalities following orthotopic liver transplantation. Costello P, et al. **J Can Assoc Radiol** 1987 Jun;38(2):90–5

Radiologic assessment of bile duct complications in liver transplantation: initial experience. Olutola PS, et al. **J Can Assoc Radiol** 1986 Dec;37(4):276–8

Measurements of prednisolone and some of its metabolites, in urine of patients after orthotopic liver transplantation, as a means of monitoring prednisolone absorption. Koopman BJ, et al. **J Clin Chem Clin Biochem** 1986 Nov; 24(11):831–9

Cyclosporine absorption following orthotopic liver transplantation. Burckart GJ, et al. **J Clin Pharmacol** 1986 Nov–Dec;26(8):647–51

Combined transplantation of heart and liver from two different donors in a patient with familial type IIa hypercholesterolemia. Figuera D, et al. **J Heart Transplant** 1986 Jul–Aug;5(4):327–9

Liver transplantation. A review. Hobbs KE. **J Hepatol** 1987 Feb;4(1):148–53

Epstein–Barr virus, cytomegalovirus, and other viral infections in children after liver transplantation. Breinig MK, et al. **J Infect Dis** 1987 Aug;156(2):273–9

Liver transplantation before 1 year of age. Esquivel CO, et al. **J Pediatr** 1987 Apr;110(4):545–8

Liver transplantation and Kasai operation in the first year of life: therapeutic dilemma in biliary atresia [editorial] Lilly JR, et al. **J Pediatr** 1987 Apr;110(4):561–2

Crigler–Najjar syndrome type I: treatment by home phototherapy followed by orthotopic hepatic transplantation. Shevell MI, et al. **J Pediatr** 1987 Mar; 110(3):429–31

Contribution of extrahepatic tissues to biochemical abnormalities in hereditary tyrosinemia type I: study of three patients after liver transplantation. Tuchman M, et al. **J Pediatr** 1987 Mar;110(3):399–403

Auxiliary transplantation of the fetal liver. II. Functional evaluation of an intraabdominal model. Flake AW, et al. **J Pediatr Surg** 1987 Jun;22(6):559–65

Hypertrophic osteoarthropathy associated with a rejected liver transplant. Wolfe SM, et al. **J Rheumatol** 1987 Feb; 14(1):147–51

An experimental study of auxiliary partial liver allotransplantation in dogs. Chen XP. **J Tongji Med Univ** 1987;7(1):15–20

Liver replacement after massive hepatic trauma. Esquivel CO, et al. **J Trauma** 1987 Jul;27(7):800–2

Normal cholesterol levels with lovastatin (mevinolin) therapy in a child with homozygous familial hypercholesterolemia following liver transplantation. East C, et al. **JAMA** 1986 Nov 28;256(20):2843–8

Adenoviral infections in pediatric liver transplant recipients. Koneru B, et al. **JAMA** 1987 Jul 24–31;258(4):489–92

Anesthetic, preoperative and postoperative considerations for liver transplantation in swine. Eisele PH, et al. **Lab Anim Sci** 1986 Aug;36(4):402–5

Neurological complications following liver transplantation. Adams DH, et al. **Lancet** 1987 Apr 25;1(8539):949–51

Fulminant hepatic failure treated by hepatic transplantation [letter] Adams DH, et al. **Lancet** 1986 Nov 1;2(8514):1037

Hepatic transplantation in Europe. First Report of the European Liver Transplant Registry. Bismuth H, et al. **Lancet** 1987 Sep 19;2(8560):674–6

Evidence for an immune response to HLA class I antigens in the vanishing-bileduct syndrome after liver transplantation. Donaldson PT, et al. **Lancet** 1987 Apr 25; 1(8539):945–51

Transplantation in fulminant hepatic failure [letter] O'Grady JG, et al. **Lancet** 1986 Nov 22;2(8517):1227

Liver transplantation in hepatitis delta virus disease. Rizzetto M, et al. **Lancet** 1987 Aug 29;2(8557):469–71

Transplantation of liver, heart, and lungs for primary biliary cirrhosis and primary pulmonary hypertension. Wallwork J, et al. **Lancet** 1987 Jul 25;2(8552):182–5

Successful treatment of primary hyperoxaluria type I by combined hepatic and renal transplantation. Watts RW, et al. **Lancet** 1987 Aug 29;2(8557):474–5

The psycho-social impact of a liver transplant programme. Tymstra T, et al. **Liver** 1986 Oct;6(5):302–9

Selection criteria and decisions in 375 patients with liver disease, considered for liver transplantation during 1977–1985. van der Putten AB, et al. **Liver** 1987 Apr; 7(2):84–90

Monitoring of coagulation during liver transplantation—how much is enough? [editorial] Bontempo FA. **Mayo Clin Proc** 1987 Sep;62(9):848–9

Hemostatic evaluation of patients undergoing liver transplantation. Owen CA Jr, et al. **Mayo Clin Proc** 1987 Sep;62(9):761–72

Consensus development in biomedicine: the liver transplant controversy. Markle GE, et al. **Milbank Q** 1987;65(1):1–24

Crigler-Najjar syndrome types I and II. Clinical

experience—King's College Hospital 1972–1978. Phenobarbitone, phototherapy and liver transplantation. Pett S, et al. **Mol Aspects Med** 1987;9(5):473–82

Central nervous system toxicity after liver transplantation. The role of cyclosporine and cholesterol. de Groen PC, et al. **N Engl J Med** 1987 Oct 1;317(14):861–6

Transfer of congenital factor XI deficiency from a donor to a recipient by liver transplantation [letter] Dzik WH, et al. **N Engl J Med** 1987 May 7;316(19):1217–8

Liver transplantation in older patients [letter] Starzl TE, et al. **N Engl J Med** 1987 Feb 19;316(8):484–5

Liver transplantation in Groningen—long-term survivors in the first cohort. Gips CH. **Neth J Med** 1986;29(11):357–8

Liver transplantation for end-stage liver disease [editorial] Vogten AJ. **Neth J Med** 1986;29(8):233–4

Liver transplantation: its implications for New Zealand. Seeman R, et al. **NZ Med J** 1986 Nov 26;99(814):898–9

Transplanted isolated hepatocytes: effect of partial hepatectomy on proliferation of long-term syngeneic implants in rat spleen. Gupta S, et al. **Pathology** 1987 Jan; 19(1):28–30

Intensive care aspects of organ transplantation in children. McHugh MJ. **Pediatr Clin North Am** 1987 Feb; 34(1):187–201 (50 ref.)

Mental and motor development correlates in patients with end-stage biliary atresia awaiting liver transplantation. Stewart SM, et al. **Pediatrics** 1987 Jun;79(6):882–8

Evaluation of the pediatric patient for liver transplantation. Zitelli BJ, et al. **Pediatrics** 1986 Oct;78(4):559–65

Liver transplantation today. Marsh JW, et al. **Postgrad Med** 1987 Apr;81(5):13–6, 19, 22–3 (19 ref.)

Survival, organization, and function of microcarrier-attached hepatocytes transplanted in rats. Demetriou AA, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7475–9

Delta reinfection in human liver transplantation: report of two cases. Marinucci G, et al. **Prog Clin Biol Res** 1987; 234:321–6

Postoperative angiographic and interventional radiologic evaluation of liver recipients. Cardella JF, et al. **Radiol Clin North Am** 1987 Mar;25(2):309–21

Preoperative angiographic evaluation of prospective liver recipients. Cardella JF, et al. **Radiol Clin North Am** 1987 Mar;25(2):299–308

Ultrasound and computed tomographic evaluation in hepatic transplantation. Letourneau JG, et al. **Radiol Clin North Am** 1987 Mar;25(2):323–31 (13 ref.)

MRI in organ transplantation. Lund G, et al. **Radiol Clin North Am** 1987 Mar;25(2):281–8 (31 ref.)

Clinical considerations in orthotopic liver transplantation. Tzakis AG, et al. **Radiol Clin North Am** 1987 Mar; 25(2):289–97 (26 ref.)

Hepatic transplantation. Sherlock S. **South Med J** 1987 Mar; 80(3):357–61

Operations upon the biliary tract during transplantation of the liver. Hiatt JR, et al. **Surg Gynecol Obstet** 1987 Jul; 165(1):89–93 (30 ref.)

A new technique for arterialization of the hepatic graft. Kalayoglu M, et al. **Surg Gynecol Obstet** 1987 Jun; 164(6):564–7

Liver transplantation in patients with patent splenorenal shunts. Esquivel CO, et al. **Surgery** 1987 Apr;101(4):430–2

The antibody crossmatch in liver transplantation. Gordon RD, et al. **Surgery** 1986 Oct;100(4):705–15

On auxiliary transplantation in acute liver failure [letter] Lilly JR, et al. **Surgery** 1987 Feb;101(2):252

Increased protein catabolism without hypermetabolism after human orthotopic liver transplantation. Shanbhogue RL, et al. **Surgery** 1987 Feb;101(2):146–9

Tc-NGA imaging in liver transplantation: preclinical studies. Woodle ES, et al. **Surgery** 1987 Jul;102(1):55–62

Transplantation of preneoplastic rat hepatocytes by intraportal injection. Saeter G, et al. **Toxicol Pathol** 1987; 15(1):78–81

ABO and Lewis blood group antigens of donor origin in the bile of patients after liver transplantation. Dzik WH, et al. **Transfusion** 1987 Sep–Oct;27(5):384–7

Blood use in liver transplantation. Lewis JH, et al. **Transfusion** 1987 May–Jun;27(3):222–5

Liver transplantation in children. **Transplant Proc** 1987 Aug; 19(4):3229–529

Second International Symposium on the Perioperative Care of Liver Transplant Recipients. September 13–14, 1986, Pittsburgh, Pennsylvania. Proceedings. **Transplant Proc** 1987 Aug;19(4 Suppl 3):1–75

First International Workshop and Colloquium on the Pathology of Liver Transplantation. May 28, 1986, London, Ontario, Canada. **Transplant Proc** 1986 Oct;18(5 Suppl 4):119–73

Proceedings of the First Italy–U.S.A. Joint Conference on New Trends in Transplantation. May 30–June 1, 1985, Rome, Italy. **Transplant Proc** 1985 Oct;17 Suppl 2:1–149

Postreperfusion syndrome: cardiovascular collapse following hepatic reperfusion during liver transplantation. Aggarwal S, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):54–5

Liver transplantation in children—indications in cholestatic states. Alagille D. **Transplant Proc** 1987 Aug;19(4):3242–8

Pediatric liver transplantation: the Dallas experience. Andrews W, et al. **Transplant Proc** 1987 Aug;19(4):3267–76

Beneficial effects of transplantation of liver tissue fragments on acute ischemic liver injury in dogs. Asano T, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):995–7

Early disappearance of donor-specific immunofluorescence in spontaneously tolerated liver allografts in inbred rats. Baudot P, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):200–4

Reperfusion coagulopathy during human liver transplantation. Bellani KG, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):71–2

Immunologic memory and suppressor cell activity in liver allografted pigs. Bockhorn H, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):519–22

Cost of liver transplantation: financing and social aspects. Boutsen C, et al. **Transplant Proc** 1987 Aug;19(4):3363–6

Cyclosporine pharmacokinetic profiles in liver, heart, and kidney transplant patients as determined by high-performance liquid chromatography. Burckart GJ, et al. **Transplant Proc** 1986 Dec;18(6 Suppl 5):129–36

Cyclosporine trough concentration monitoring in liver transplant patients. Burckart GJ, et al. **Transplant Proc** 1986 Dec;18(6 Suppl 5):188–93

Liver transplantation in children: the Hannover experience. Burdelski M, et al. **Transplant Proc** 1987 Aug;19(4):3277–81

Anesthesia for pediatric hepatic transplantation: experience of 33 cases. Carlier M, et al. **Transplant Proc** 1987 Aug; 19(4):3333–7

Sources of increased serum potassium following reperfusion of liver allografts. Chapin JW, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):51–3

Liver transplantation in children: role of the radiologist in the preoperative assessment and the postoperative follow-up. Claus D, et al. **Transplant Proc** 1987 Aug; 19(4):3344–57

Postoperative care in pediatric orthotopic liver transplantation. Clément de Cléty S, et al. **Transplant Proc** 1987 Aug;19(4):3338–43

Liver transplantation in children from the point of view of nursing care. Coquelet P, et al. **Transplant Proc** 1987 Aug; 19(4):3375–80

Volume reduction of the liver graft before orthotopic transplantation: report of a clinical experience in 11 cases. de Hemptinne B, et al. **Transplant Proc** 1987 Aug; 19(4):3317–22

Antibody deposition in liver allografts with chronic rejection. Demetris AJ, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 5):121–5

Monitoring of orthotopic liver transplantation in children by means of serial graft biopsies. de Ville de Goyet J, et al. **Transplant Proc** 1987 Aug;19(4):3323–6

Cyclosporine metabolites suppress T cell proliferation induced by concanavalin A. Dindzans VJ, et al. **Transplant Proc** 1987 Aug;19(4):3490–3

Survival of adult hepatocytes and fetal hepatic tissue transplanted into the spleens of allogeneic rats. Ebata H, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):998–1001

Liver transplantation: effect of washing bank blood on intraoperative control of hyperkalemia. Ellis R, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):73–4

Is multiple organ failure a contraindication for liver transplantation in children? Esquivel CO, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):47–8

OKT3 in the reversal of acute hepatic allograft rejection. Esquivel CO, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2443–6

Metabolic activity of the transplanted liver. Ferrero ME, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1084–7

Acid–base status during and after orthotopic liver transplantation. Fortunato FL Jr, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):59–60

Impact of Orthoclone OKT3 on liver transplantation. Fung JJ, et al. **Transplant Proc** 1987 Apr;19(2 Suppl 1):37–44

Preoperative nutritional evaluation and support for liver transplantation in children. Goulet OJ, et al. **Transplant Proc** 1987 Aug;19(4):3249–55

Adverse effects of cyclosporine therapy following liver transplantation. Grant D, et al. **Transplant Proc** 1987 Aug; 19(4):3463–5

Postoperative care and problems in liver transplantation. Grenvik A, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):26–33

Comparison of cyclosporine A dosage and metabolism in liver and heart transplant recipients. Hamilton G, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1706–8

Pediatric liver transplantation at UCLA. Hiatt JR, et al. **Transplant Proc** 1987 Aug;19(4):3282–8

Leukocyte subsets infiltrating fully allogeneic, long-surviving rat liver allografts. Ishikura H, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):404–7

Late mortality and morbidity after liver transplantation. Iwatsuki S, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2373–7

Pneumatosis cystoides intestinalis following lactulose and steroid treatment in a liver transplant patient with an intermittently enlarged scrotum. Janssen DA, et al. **Transplant Proc** 1987 Apr;19(2):2949–52

Update on anesthesia for adult liver transplantation. Kang Y, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):7–12

Pharmacokinetics of cyclosporine in solid organ transplantation. Keown PA, et al. **Transplant Proc** 1986 Dec;18(6 Suppl 5):160–4

Humoral rejection of rat hepatic transplants by passive transfer of serum. Knechtle SJ, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1072–6

Orthoclone OKT3 monoclonal antibody reversal of hepatic and cardiac allograft rejection unresponsive to conventional immunosuppressive treatments. Kremer AB, et al. **Transplant Proc** 1987 Apr;19(2 Suppl 1):54–7

Analysis of donor criteria for the prediction of outcome in clinical liver transplantation. Makowka L, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2378–82

Effect of OKT3 on survival and rate of retransplantation. Markus BH, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):61–2

HLA histocompatibility and liver transplant survival. Markus BH, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):63–5

Analysis of T lymphocytes infiltrating human hepatic allografts. Markus BH, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2470–3

Liver disorders in children: the indications for liver replacement in parenchymal and metabolic diseases. Mowat AP. **Transplant Proc** 1987 Aug;19(4):3236–41

Studies of specifically allosensitized lymphocyte-mediated injury of isolated canine hepatocytes. Nakai H, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):439–43

Liver free fatty acid accumulation as an indicator of ischemic injury during simple, cold, ischemic preservation and the effects of oxygen. Nemoto EM, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 5):146–9

Effects of liver transplantation in congenitally albumin-deficient rats. Nozawa M, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1091–4

Liver transplantation in children: report of 2 1/2 years' experience at the University of Louvain Medical School in Brussels. Otte JB, et al. **Transplant Proc** 1987 Aug; 19(4):3289–302

Pediatric liver transplantation: Cambridge/King's series, December 1983 to August 1986. Pett S, et al. **Transplant Proc** 1987 Aug;19(4):3256–60

Liver transplantation. Pichlmayr R, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):103–12

Major histocompatibility complex class I antigens on hepatocytes in human liver grafts. Platt JL, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):66–7

Contribution of histopathology to the differential diagnosis of liver graft dysfunction. Rahier J, et al. **Transplant Proc** 1987 Aug;19(4):3327–32

Incidence of cytomegalovirus infection and its relationship to donor–recipient serologic status in liver transplantation. Rakela J, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2399–402

Criteria of selection for liver transplantation. Samuel D, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2383–6

The changing indications for liver transplantation. Schade RR. **Transplant Proc** 1987 Aug;19(4 Suppl 3):2–6

Psychological evaluation and support of pediatric patients and their parents. Serrano JA, et al. **Transplant Proc** 1987 Aug;19(4):3358–62

Some further notes on venous bypass for orthotopic transplantation of the liver. Shaw BW Jr. **Transplant Proc** 1987 Aug;19(4 Suppl 3):13–6

Pediatric liver transplantation. Starzl TE, et al. **Transplant Proc** 1987 Aug;19(4):3230–5

Modified patterns of major histocompatibility complex-antigen expression in human liver grafts during rejection. Steinhoff G, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2466–9

Pediatric liver transplantation using combination immunosuppressive therapy. Stock PG, et al. **Transplant Proc** 1987 Aug;19(4):3303–8

Significance of graft tissue oxygen saturation as a prognostic assessment for orthotopic liver transplantation in the rat. Sumimoto K, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1098–102

Whole-body oxygen consumption during liver transplantation. Svensson KL, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):56–8

Aspects of pediatric intensive care after liver transplantation. Thompson AE. **Transplant Proc** 1987 Aug;19(4 Suppl 3):34–9

Purification of canine sinusoidal lining cells by centrifugal elutriation and their possible role in liver allograft rejection. Toda K, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):235–8

Hepatic artery in liver transplantation. Todo S, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2406–11

Mechanism of tolerance in rat liver transplantation: evidence for the existence of suppressor cells. Tsuchimoto S, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):514–8

Conversion from cyclosporine to bredinin in canine orthotopic liver transplantation. Uchida H, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1290–4

Liver transplantation in children: the Boston Center experience in the first 30 months. Vacanti JP, et al. **Transplant Proc** 1987 Aug;19(4):3261–6

Blood transfusion requirements and renal function in patients undergoing liver transplantation without venous bypass. Wall WJ, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):17–20

Selective bowel decontamination to prevent gram-negative bacterial and fungal infection following orthotopic liver transplantation. Wiesner RH, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2420–3

Role of nursing in the establishment of a liver transplantation program: impact on nursing or nursing's impact? Williams L, et al. **Transplant Proc** 1987 Aug;19(4):3367–74

Phenotype and patterns of inflammatory cell infiltration associated with rejection or acceptance of rat liver allografts. Wolfe JA, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):364–8

Experiences with a blood level-adjusted cyclosporine regimen in kidney and liver allograft recipients. Wonigeit K, et al. **Transplant Proc** 1986 Dec;18(6 Suppl 5):181–7

Pediatric liver transplantation: patient evaluation and selection, infectious complications, and life-style after transplantation. Zitelli BJ, et al. **Transplant Proc** 1987 Aug; 19(4):3309–16

The use of the cava-cava bypass in an experimental liver transplantation model. Burgos San Juan L, et al. **Transplantation** 1987 Feb;43(2):306–7

Orthotopic liver transplantation for hepatobiliary malignancy. Report of three cases of special interest. Colonna JO 2d, et al. **Transplantation** 1986 Nov;42(5):561–2

A randomized clinical trial comparing OKT3 and steroids for treatment of hepatic allograft rejection. Cosimi AB, et al. **Transplantation** 1987 Jan;43(1):91–5

Expression of major histocompatibility complex antigens and replacement of donor cells by recipient ones in human liver grafts. Gouw AS, et al. **Transplantation** 1987 Feb; 43(2):291–6

Lipid inclusions in hepatocyte grafts [letter] Innes GK, et al. **Transplantation** 1987 Mar;43(3):459

Leukocyte subsets infiltrating into fully allogeneic, long-surviving rat liver allografts. Ishikura H, et al. **Transplantation** 1987 May;43(5):709–14

Pulmonary complications of orthotopic liver transplantation. Jensen WA, et al. **Transplantation** 1986 Nov;42(5):484–90

Immunosuppressive activity of serum from liver-grafted rats. Passive enhancement of fully allogeneic heart grafts and induction of systemic tolerance. Kamada N, et al. **Transplantation** 1986 Dec;42(6):581–7

Hepatic transplantation into sensitized recipients. Demonstration of hyperacute rejection. Knechtle SJ, et al. **Transplantation** 1987 Jan;43(1):8–12

Infiltrating cell phenotypes and patterns associated with hepatic allograft rejection or acceptance. Knechtle SJ, et al. **Transplantation** 1987 Feb;43(2):169–72

Self-limited Toxoplasma parasitemia after liver transplantation. Kusne S, et al. **Transplantation** 1987 Sep; 44(3):457–8

Biliary tract complications in human orthotopic liver transplantation. Lerut J, et al. **Transplantation** 1987 Jan; 43(1):47–51

Allogeneic hepatocyte transplantation in the rat spleen under cyclosporine immunosuppression. Makowka L, et al. **Transplantation** 1986 Nov;42(5):537–41

Antiidiotypic antibodies to human major histocompatibility complex class I and II antibodies in hepatic transplantation and their role in allograft survival. Mohanakumar T, et al. **Transplantation** 1987 Jul;44(1):54–8

Hamster-to-rat orthotopic liver xenografts. Monden M, et al. **Transplantation** 1987 May;43(5):745–6

Prolongation of liver allograft survival induced by donor spleen cells in RT1-incompatible rats. Mori K, et al. **Transplantation** 1987 Apr;43(4):577–9

Immunohistologic labeling as an indicator of liver allograft rejection. Perkins JD, et al. **Transplantation** 1987 Jan; 43(1):105–8

Orthotopic transplantation of partially hepatectomized liver in the pig. Rossi G, et al. **Transplantation** 1987 Mar; 43(3):362–5

Toxic shock syndrome complicating orthotopic liver transplantation—a case report. Shaffer D, et al. **Transplantation** 1986 Oct;42(4):434–7

Increased expression of class I major histocompatibility complex antigens on hepatocytes in rejecting human liver allografts. So SK, et al. **Transplantation** 1987 Jan; 43(1):79–85

Replacement of donor cells after liver transplantation [letter] Starzl TE. **Transplantation** 1987 Aug;44(2):332–3

Hepatitis-associated aplastic anemia after liver transplantation. Stock PG, et al. **Transplantstion** 1987 Apr; 43(4):595–7

Short-term changes in blood ketone body ratio in the phase immediately after liver transplantation. Taki Y, et al. **Transplantation** 1987 Mar;43(3):350–3

Successful 48-hour preservation of the rat liver by continuous hypothermic perfusion with haemaccel-isotonic citrate solution. Tamaki T, et al. **Transplantation** 1987 Apr; 43(4):468–71

Hypothermic preservation of the rat liver assessed by orthotopic transplantation. II. Evaluation of citrate solutions. Tamaki T, et al. **Transplantation** 1987 Mar; 43(3):357–61

Liver transplantation without venous bypass. Wall WJ, et al. **Transplantation** 1987 Jan;43(1):56–61

Long-term effects of cyclosporine on renal function in liver transplant recipients. Wheatley HC, et al. **Transplantation** 1987 May;43(5):641–7

Liver transplantation. Carithers RL Jr, et al. **Va Med** 1986 Dec;113(12):735–8

[Fetal liver cell transfusion in chemotherapy of malignant tumors and blood diseases] Xue LF, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Sep;8(5):367–9 (Eng. Abstr.) **(Chi)**

[Transfusion of fetal liver cells in the treatment of hematologic disease] Qian FW. **Chung Hua I Hsueh Tsa Chih** 1986 Apr;66(4):237–9 **(Chi)**

[Clinical use of hematopoietic stem cells from fetal livers] Lou FD, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Jul; 25(7):433–5 (20 ref.) **(Chi)**

[Indications for liver transplantation in 1986] Adler M. **Acta Gastroenterol Belg** 1986 Mar-Apr;49(2):145–53 (Eng. Abstr.) **(Fre)**

[Present status of liver transplantation] Bismuth H, et al. **Agressologie** 1986 Oct;27(9):747–50 (Eng. Abstr.) **(Fre)**

[Liver transplantation in children: problems related to the recruitment of potential donors] Moulin D, et al. **Agressologie** 1986 Oct;27(9):753–5 (Eng. Abstr.) **(Fre)**

[Multiple-organ procurement for transplantation] Bricard H, et al. **Ann Fr Anesth Reanim** 1987;6(2):133–41 (Eng. Abstr.) **(Fre)**

[Liver transplantation in children. Blood transfusion and metabolic disorders] Dyer PM, et al. **Ann Fr Anesth Reanim** 1987;6(3):163–8 (Eng. Abstr.) **(Fre)**

[Liver transplantation] Bismuth H, et al. **Ann Med Interne (Paris)** 1987;138(3):207–14 (48 ref.) **(Fre)**

[Liver transplantation in children. Where does it stand in 1986?] Alagille D. **Arch Fr Pediatr** 1986 Oct;43(8):589–91 **(Fre)**

[Liver transplantation: new indications, new results] Bismuth H, et al. **Bull Acad Natl Med (Paris)** 1986 Oct;170(7):871–80 (Eng. Abstr.) **(Fre)**

[Removal of multiple organs for transplantation] Duquesnoy O, et al. **Cah Anesthesiol** 1986 Oct;34(6):469–72 **(Fre)**

[Fatal neoplastic embolism during liver transplantation] Vigouroux D, et al. **Cah Anesthesiol** 1986 Aug-Sep; 34(5):423–4 **(Fre)**

[The irresistible advent of hepatic transplantation] Bismuth H. **Gastroenterol Clin Biol** 1986 Dec;10(12):789–92 **(Fre)**

[Tolerance of hepatic allografts] Calmus Y, et al. **Gastroenterol Clin Biol** 1986 Dec;10(12):804–16 (182 ref.) **(Fre)**

[Cyclosporin: a selective immunosuppressor in hepatology] Mentha G, et al. **Gastroenterol Clin Biol** 1986 Oct; 10(10):641–7 (88 ref.) **(Fre)**

[What is the potential number of indications for liver grafts in France per year?] Pouyet M, et al. **Gastroenterol Clin Biol** 1986 Dec;10(12):793–8 (Eng. Abstr.) **(Fre)**

[Liver transplantation in the rat. Technical considerations apropos of 247 cases] Settaf A, et al. **J Chir (Paris)** 1987 Jan;124(1):39–42 (Eng. Abstr.) **(Fre)**

[Organ transplantation in France in 1984 (activity report of France-Transplant)] Hors J, et al. **Nephrologie** 1986;7(3 Suppl):10–4 (Eng. Abstr.) **(Fre)**

[Liver transplantation: children] Takvorian P. **Pediatrie** 1987; 42(1):21–7 **(Fre)**

[Liver transplantation. Indications and results in adults (editorial)] Benhamou JP. **Presse Med** 1987 Apr 25; 16(15):705–7 **(Fre)**

[Liver transplant] Adler M, et al. **Rev Med Brux** 1987 Apr; 8(4):217–21 (Eng. Abstr.) **(Fre)**

[Liver transplantation in childhood. Indications, results] Burdelski M, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1987;124 Spec No:76–85 **(Ger)**

[Aspergillosis following liver transplantation as a hospital infection] Lie TS, et al. **Dtsch Med Wochenschr** 1987 Feb 20;112(8):297–301 (Eng. Abstr.) **(Ger)**

[Indications for liver transplantation] Pichlmayr R. **Dtsch Med Wochenschr** 1987 Jan 2;112(1):20–2 **(Ger)**

[Liver transplantation. Current status and indications] Pichlmayr R, et al. **Internist (Berlin)** 1987 Jan;28(1):1–7 **(Ger)**

[Problems in the reconstruction of bile flow in orthotopic liver transplantation] Höfer M, et al. **Langenbecks Arch Chir** 1987;371(1):49–58 (Eng. Abstr.) **(Ger)**

[Present status of liver transplantation] Barbier P. **Schweiz Rundsch Med Prax** 1986 Oct 14;75(42):1241–7 (40 ref.) (Eng. Abstr.) **(Ger)**

[Organ transplantation] Pichlmayr R. **Verh Dtsch Ges Inn Med** 1986;92:206–14 **(Ger)**

[Liver transplantation in childhood] Burdelski M, et al. **Wien Klin Wochenschr** 1986 Aug 29;98(16):551–5 (Eng. Abstr.) **(Ger)**

[Measuring cyclosporin in immunosuppressive treatment following liver and heart transplantation] Hamilton G, et al. **Wien Klin Wochenschr** 1986 Dec 19;98(24):820–4 (Eng. Abstr.) **(Ger)**

[Liver transplantation—indications and postoperative course] Piza F, et al. **Wien Klin Wochenschr** 1986 Dec 19; 98(24):838–42 (Eng. Abstr.) **(Ger)**

[Experimental and clinical organ transplantation. Charité-Symposium 1985. Berlin, East Germany, 16–20 September 1985] **Z Exp Chir Transplant Kunstliche Organe** 1986; 19(4):199–266 **(Ger)**

[Suppressor cell mechanisms after cyclosporin A (CsA) induced tolerance of allogeneic rat liver transplants] Engemann R, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(4):224–6 **(Ger)**

[Ia expression on Kupffer cells after orthoptic rat liver transplantation and cyclosporin A application: an additional help for the diagnosis of rejection reactions?] Engemann R, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986; 19(4):220–4 **(Ger)**

[Scintigraphic demonstration of transplanted hepatocytes in the spleen and liver] Henne-Bruns D, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(4):226–31 **(Ger)**

[Problems in liver transplantation] Lie TS, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(4):214–7 **(Ger)**

[Value of liver transplantation—change in perspectives] Pichlmayr R, et al. **Z Gastroenterol** 1987 Mar;25 Suppl 2:17–21 **(Ger)**

[Heterotopic or orthotopic liver replacement with liver segments?] Broelsch CE, et al. **Z Gastroenterol [Verh]** 1987 Apr;22:66–72 (38 ref.) **(Ger)**

[Liver transplantation in metabolic diseases] Pichlmayr R, et al. **Z Gastroenterol [Verh]** 1987 Apr;22:57–60 **(Ger)**

[Experiences with the Port-A-Cath system, a fully implantable central venous access system, in children] Hager J, et al. **Z Kinderchir** 1987 Feb;42(1):36–9 (Eng. Abstr.) **(Ger)**

[Hepatocellular transplant in the treatment of acute hepatic failure. An experimental study in rats] Longo S, et al. **Minerva Chir** 1986 Oct 15;41(19):1549–53 (Eng. Abstr.) **(Ita)**

[Heterotopic liver transplant for irreversible hepatic necrosis. An experimental study in the pig] Rossi G, et al. **Minerva Chir** 1986 Aug 31;41(15–16):1247–61 (Eng. Abstr.) **(Ita)**

[Multiple morphologic monitoring of a liver transplant] Pecorella I, et al. **Pathologica** 1986 Sep-Oct;78(1057):631–4 (Eng. Abstr.) **(Ita)**

[Transplantation in cancer therapy] Satake M, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1181–6 (26 ref.) (Eng. Abstr.) **(Jpn)**

[Experimental orthotopic partial liver transplantation in rats] Kondo H. **Hokkaido Igaku Zasshi** 1986 Sep;61(5):709–17 (Eng. Abstr.) **(Jpn)**

[Orthotopic liver transplantation in the rat] Tsuchimoto S. **Hokkaido Igaku Zasshi** 1986 Sep;61(5):776–99 (Eng. Abstr.) **(Jpn)**

[The procurement technic from the same donor in heart and liver transplantation] Morishita Y, et al. **Nippon Geka Gakkai Zasshi** 1987 Jun;88(6):792 **(Jpn)**

[Liver tissue fragments transplantation to the spleen] Uozu K, et al. **Nippon Geka Gakkai Zasshi** 1987 Apr;88(4):460–8 (Eng. Abstr.) **(Jpn)**

[Reactions to heterogeneous lyophilized tissue material implanted into the peritoneal cavity of the rat] Shevchuk ON. **Arkh Anat Gistol Embriol** 1987 Jan;92(1):43–9 (Eng. Abstr.) **(Rus)**

[Anatomo-topographic features of liver transplantation in the dog] Podpriatov SE, et al. **Klin Khir** 1986;(9):40–2 (Eng. Abstr.) **(Rus)**

[Experiences in transplanting bone marrow, leukocytes and human embryonic liver cells in hemoblastosis patients] Baranov AE, et al. **Ter Arkh** 1986;58(9):9–18 (Eng. Abstr.) **(Rus)**

[Orthotopic transplantation of the liver in dogs] Borčić V. **Acta Chir Iugosl** 1985;32(2):139–51 (Eng. Abstr.) **(Scr)**

[A new experimental model of liver transplant in pigs] Martínez Ibañez V, et al. **An Esp Pediatr** 1987 Feb; 26(2):107–10 (Eng. Abstr.) **(Spa)**

[First infantile liver transplants in Spain] Martínez Ibáñez V, et al. **An Esp Pediatr** 1986 Dec;25(6):477–80 (Eng. Abstr.) **(Spa)**

[Liver transplantation. Possibilities in Venezuela] Lecuna Torres V. **GEN** 1986 Jan-Mar;40(1):32–41 (Eng. Abstr.) **(Spa)**

[Orthotopic hepatic transplant: first year of experience] Margarit C, et al. **Med Clin (Barc)** 1986 Oct 4; 87(10):397–402 (Eng. Abstr.) **(Spa)**

[Electrocardiographic changes during orthotopic liver transplantation in swine] Aller Reyero MA, et al. **Rev Esp Anestesiol Reanim** 1987 May-Jun;34(3):176–82 (Eng. Abstr.) **(Spa)**

[Anesthetic model in orthotopic transplant of the liver in the pig] Berisa F, et al. **Rev Esp Anestesiol Reanim** 1986 Jul-Aug;33(4):213–9 (Eng. Abstr.) **(Spa)**

[Veno-venous bypass in a special case of liver transplant] Riaño Carrera D, et al. **Rev Esp Anestesiol Reanim** 1987 May-Jun;34(3):219–20 (Eng. Abstr.) **(Spa)**

[Value of orthotopic liver transplantation in swine as an experimental model] Arias Pérez J, et al. **Rev Esp Enferm Apar Dig** 1986 Dec;70(6):479–86 (Eng. Abstr.) **(Spa)**

[The present and future of liver transplantation] Arias Vallejo E. **Rev Esp Enferm Apar Dig** 1986 Sep;70(3):255–6 **(Spa)**

[Hepatocellular transplant; a new perspective in liver care (editorial)] Cienfuegos Suárez JA. **Rev Esp Enferm Apar Dig** 1986 Dec;70(6):536–8 **(Spa)**

[Allogeneic hepatocellular transplantation into the spleen of normal rats] Morales Calderón M, et al. **Rev Esp Enferm Apar Dig** 1986 Dec;70(6):487–92 (Eng. Abstr.) **(Spa)**

[Liver transplantations at the Huddinge hospital—a review] Ericzon BG, et al. **Lakartidningen** 1987 Apr 15; 84(16):1347–51 **(Swe)**

[Establishment of a liver transplantation center in the USA—experiences seen through Swedish eyes] Husberg B, et al. **Lakartidningen** 1987 Apr 15;84(16):1351–5 **(Swe)**

ULTRASTRUCTURE

Application of an automated image analyzer (TAS, Leitz

Wetzlar) for morphometric analysis of peroxisomes in rat liver tissue. Beier K, et al.
Acta Histochem [Suppl] (Jena) 1987;34:141

Ultrastructural localization of Thorotrast (thorium dioxide) in human liver by analytical scanning electron microscope. Irie H, et al. **Acta Pathol Jpn** 1986 Dec;36(12):1871–8

Immunological homogeneity of Lafora body, corpora amylacea, basophilic degeneration in heart, and intracytoplasmic inclusions of liver and heart in type IV glycogenosis. Yokota T, et al. **Acta Pathol Jpn** 1987 Jun; 37(6):941–6

Ultrastructural changes in liver after the test exposition of laser irradiation. Dubrzyński A, et al.
Am J Forensic Med Pathol 1986 Dec;7(4):298–300

Hepatic peroxisomes are deficient in infantile refsum disease: a cytochemical study of 4 cases. Roels F, et al.
Am J Med Genet 1986 Oct;25(2):257–71

Immunocytochemical localization of peroxisomal enzymes in human liver biopsies. Litwin JA, et al. **Am J Pathol** 1987 Jul;128(1):141–50

A structural analysis of gap and tight junctions in the rat liver during a dietary treatment that induces oval cell proliferation. Spelman LH, et al. **Am J Pathol** 1986 Nov; 125(2):379–92

A rapid method for the isolation of peroxisomes from rat liver. Ghosh MK, et al. **Anal Biochem** 1986 Nov 15; 159(1):169–74

Ultrastructure of hepatocytes in golden ide (Leuciscus idus melanotus L.; Cyprinidae: Teleostei) during thermal adaptation. Braunbeck T, et al. **Anat Embryol (Berl)** 1987; 175(3):303–13

Morphologic and histochemical analysis of the newt (Notophthalmus viridescens) liver. Goldblatt PJ, et al.
Anat Rec 1987 Apr;217(4):328–38

Cytoskeletal pathology induced by ethanol. French SW, et al. **Ann NY Acad Sci** 1987;492:262–76

Localization of ultrastructural alterations induced in rat liver by dietary polybromobiphenyls (FireMaster BP–6). Raber BT, et al. **Arch Environ Contam Toxicol** 1986 Nov; 15(6):725–32

Experimental study on the fine structure of chicken liver parenchyme with special references to extrasinusoidal macrophages and sinusoidal blood cells. Part 2. Sinusoidal blood cells in normal and India ink perfused livers. Ohata M, et al. **Arch Histol Jpn** 1986 Jun;49(2):199–209

Ultrastructural abnormalities of the liver in total lipodystrophy. Klar A, et al. **Arch Pathol Lab Med** 1987 Feb;111(2):197–9

Hepatocellular carcinoma developed on noncirrhotic livers. Sinusoids in hepatocellular carcinoma. Tabarin A, et al. **Arch Pathol Lab Med** 1987 Feb;111(2):174–80

Hepatic inclusion bodies in the liver of a koala (Phascolarctos cinereus). Condron RJ, et al. **Aust Vet J** 1986 Nov; 63(11):387–8

A nuclear factor which interacts with an AT–cluster in the first intron of rat alpha 2–macroglobulin gene. Ito T, et al. **Biochem Biophys Res Commun** 1987 Sep 15; 147(2):824–30

Induction of cytosolic and microsomal epoxide hydrolases and proliferation of peroxisomes and mitochondria in mouse liver after dietary exposure to p–chlorophenoxyacetic acid, 2,4–dichlorophenoxyacetic acid and 2,4,5–trichlorophenoxyacetic acid. Lundgren B, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):815–21

Induction of cytosolic clofibroyl–CoA hydrolase activity in liver of rats treated with clofibrate. Berge RK, et al.
Biochim Biophys Acta 1987 Mar 13;918(1):60–6

Studies on the interrelated stimulation of microsomal omega–oxidation and peroxisomal beta–oxidation in rat liver with a partially hydrogenated fish oil diet. Nilsson A, et al. **Biochim Biophys Acta** 1987 Jul 31;920(2):114–9

Molecular size of the nuclear thyroid hormone receptor. Sheer DG, et al. **Biochim Biophys Acta** 1987 Aug 19; 930(1):101–6

A diet rich in (n–3) fatty acids increases peroxisomal beta–oxidation activity and lowers plasma triacylglycerols without inhibiting glutathione–dependent detoxication activities in the rat liver. Yamazaki RK, et al.
Biochim Biophys Acta 1987 Jul 13;920(1):62–7

Ultrastructural studies of the portal transport of fat in chickens. Fraser R, et al. **Br J Exp Pathol** 1986 Dec; 67(6):783–91

An ultrastructural and histochemical study of the prominent inflammatory response in D(+)–galactosamine hepatotoxicity. MacDonald JR, et al. **Br J Exp Pathol** 1987 Apr;68(2):189–99

Effect of in vivo exposure to the liver tumor promoters phenobarbital or DDT on the gap junctions of rat hepatocytes: a quantitative freeze–fracture analysis. Sugie S, et al. **Carcinogenesis** 1987 Jan;8(1):45–51

Intracellular transport of albumin through the secretory apparatus of rat liver parenchymal cells. An immunocytochemical study. Yokota S, et al.
Cell Struct Funct 1987 Jun;12(3):251–64

Nucleolar alterations induced by 4–aminopyrazolo(3,4–d)pyrimidine in adrenal cortex and liver cells of rat. Almeida H, et al. **Cell Tissue Res** 1987 Apr;248(1):231–4

Application of automatic image analysis for morphometric studies of peroxisomes stained cytochemically for catalase. I. Electron–microscopic application. Beier K, et al.
Cell Tissue Res 1986;246(3):635–40

Ultrastructural and biochemical aspects of the Sanfilippo syndrome,—type III genetic mucopolysaccharidosis. Haust MD, et al. **Connect Tissue Res** 1986;15(1–2):57–64

Effect of thyroid hormone on peroxisomal flavin enzymes in rat liver and kidney. Ichikawa K, et al.
Endocrinol Jpn 1987 Apr;34(2):245–50

Estrogen receptors in the nuclear matrix: direct demonstration using monoclonal antireceptor antibody. Alexander RB, et al. **Endocrinology** 1987 May; 120(5):1851–7

Insulin–related changes in the subcellular distribution of insulin receptors in intact rat liver: effects of acute hypoinsulinemia induced by diazoxide, somatostatin, and xylazine. López S, et al. **Endocrinology** 1987 May; 120(5):1695–702

Peroxisome proliferation due to di(2–ethylhexyl) phthalate (DEHP): species differences and possible mechanisms. Elcombe CR, et al. **Environ Health Perspect** 1986 Dec; 70:211–9

Effect of prolonged anticonvulsant medication in epileptic patients: serum lipids, vitamins B6, B12, and folic acid, proteins, and fine structure of liver. Dastur DK, et al.
Epilepsia 1987 Mar–Apr;28(2):147–59

Partial reassembly of active 60S ribosomal subunits from rat liver following treatment with dimethylmaleic anhydride. Conquet F, et al. **Eur J Biochem** 1987 Feb 16;163(1):15–20

Comparison of the sex and subcellular distributions, catalytic and immunochemical reactivities of hepatic epoxide hydrolases in seven mammalian species. Meijer J, et al.
Eur J Biochem 1987 Sep 1;167(2):269–79

Golgi apparatus cisternae of monensin–treated cells accumulate in the cytoplasm of liver slices. Morré DJ, et al. **Eur J Cell Biol** 1987 Apr;43(2):235–42

The trans–tubular network of the hepatocyte Golgi apparatus is part of the secretory pathway. Taatjes DJ, et al.
Eur J Cell Biol 1986 Dec;42(2):344–50

Influence of cyclosporin A treatment on intracellular membranes of hepatocytes. Bäckman L, et al.
Exp Mol Pathol 1986 Aug;45(1):31–43

Fusion of storage lysosomes in experimental lipidosis and glycogenosis. Lüllmann–Rauch R, et al.
Exp Mol Pathol 1987 Feb;46(1):136–43

Isolation and maintenance of monolayer hepatocytes from the livers of toxin–treated rats. MacDonald JR, et al.
Exp Mol Pathol 1987 Feb;46(1):64–77

Biochemical and morphological studies of ammonium perfluorooctanoate–induced hepatomegaly and peroxisome proliferation. Pastoor TP, et al. **Exp Mol Pathol** 1987 Aug; 47(1):98–109

Ultrastructure of liver in acute experimental pancreatitis in dogs treated with prostacyclin. Andrzejewska A, et al.
Exp Pathol 1987;31(1):25–31

The formation of plasma membrane blebs in hepatocytes exposed to agents that increase cytosolic Ca2+ is mediated by the activation of a non–lysosomal proteolytic system. Nicotera P, et al. **FEBS Lett** 1986 Dec 1;209(1):139–44

Ribosome orientation in Mallory bodies [letter] Sternlieb I.
Gastroenterology 1987 Jul;93(1):218–9

Interphasic nucleolus organizer regions visualized by silver reaction in human hepatocytes. Likovsky Z, et al.
Hepatogastroenterology 1987 Jun;34(3):106–7

What should hepatologists know about membrane fluidity? Harris RA, et al. **Hepatology** 1987 Jan–Feb;7(1):177–80 (45 ref.)

Alcoholic liver injury: defenestration in noncirrhotic livers—a scanning electron microscopic study. Horn T, et al. **Hepatology** 1987 Jan–Feb;7(1):77–82

Interaction of human liver connective tissue cells, skin fibroblasts and smooth muscle cells with collagen gels. Monteiro AN, et al. **Hepatology** 1987 Jul–Aug;7(4):665–71

Multivesicular bodies isolated from rat hepatocytes. Cytochemical evidence for transformation into secondary lysosomes by fusion with primary lysosomes. Jost–Vu E, et al. **Histochemistry** 1986;85(6):457–66

Immunocytochemical localization of sphingolipid activator protein–1, the sulfatide/GM1 ganglioside activator, to lysosomes in human liver and colon. Tamaru T, et al.
Histochemistry 1986;86(2):195–200

Distribution patterns of cytokeratin antigen determinants in alcoholic and nonalcoholic liver diseases. Ray MB.
Hum Pathol 1987 Jan;18(1):61–6

The hepatic sinusoid in hairy cell leukemia: an ultrastructural study of 12 cases. Zafrani ES, et al. **Hum Pathol** 1987 Aug; 18(8):801–7

The susceptibility of the Mongolian gerbil (Meriones unguiculatus) and the OF mouse strain to Echinococcus multilocularis—ultrastructural aspects of the cysts. Delabre I, et al. **Int J Parasitol** 1987 Feb;17(3):773–80

Combined effect of ethanol and carbon disulphide on cytochrome P–450 mono–oxygenase, lipid peroxidation and ultrastructure of the liver in chronically exposed rats. Wrońska–Nofer T, et al. **J Appl Toxicol** 1986 Aug; 6(4):297–302

Purification of membrane polypeptides of rat liver peroxisomes. Hashimoto T, et al. **J Biochem (Tokyo)** 1986 Aug;100(2):301–10

Subcellular site of synthesis of the N–acetylgalactosamine (alpha 1–0) serine (or threonine) linkage in rat liver. Abeijon C, et al. **J Biol Chem** 1987 Mar 25;262(9):4153–9

Calmodulin and calmodulin–binding proteins in liver cell nuclei. Bachs O, et al. **J Biol Chem** 1987 Aug 5; 262(22):10786–90

Association of heparan sulfate proteoglycan and laminin with the cytoskeleton in rat liver. Carey DJ, et al.
J Biol Chem 1987 Mar 5;262(7):3376–81

Xylosylation and glucuronosylation reactions in rat liver Golgi apparatus and endoplasmic reticulum. Nuwayhid N, et al. **J Biol Chem** 1986 Oct 5;261(28):12936–41

Nuclear translocation of the insulin receptor. A possible mediator of insulin's long term effects. Podlecki DA, et al. **J Biol Chem** 1987 Mar 5;262(7):3362–8

Direct protective effect of NAD(P)H:quinone reductase against menadione–induced chemiluminescence of postmitochondrial fractions of mouse liver. Prochaska HJ, et al. **J Biol Chem** 1987 Feb 15;262(5):1931–4

A nuclear specific glycoprotein representative of a unique pattern of glycosylation. Schindler M, et al.
J Biol Chem 1987 Jan 25;262(3):1254–60

Pre–replicative association of multiple replicative enzyme activities with the nuclear matrix during rat liver regeneration. Tubo RA, et al. **J Biol Chem** 1987 Jan 25; 262(3):1148–54

Permeability of the peroxisomal membrane to cofactors of beta–oxidation. Evidence for the presence of a pore–forming protein. Van Veldhoven PP, et al.
J Biol Chem 1987 Mar 25;262(9):4310–8

Topological analysis of the major protein in isolated intact rat liver gap junctions and gap junction–derived single membrane structures. Zimmer DB, et al. **J Biol Chem** 1987 Jun 5;262(16):7751–63

Membranes of sorting organelles display lateral heterogeneity in receptor distribution. Geuze HJ, et al. **J Cell Biol** 1987 Jun;104(6):1715–23

Three–dimensional reconstruction of a peroxisomal reticulum in regenerating rat liver: evidence of interconnections between heterogeneous segments. Yamamoto K, et al.
J Cell Biol 1987 Aug;105(2):713–22

Correlation between plasma membrane surface area and transferrin secretion rate in isolated hepatocytes. Pechinot D, et al. **J Cell Physiol** 1986 Dec;129(3):315–20

Cytoplasmic crystalline inclusions in hepatocytes of a steer with shipping fever. Nunoya T, et al. **J Comp Pathol** 1987 May;97(3):351–5

A stable lead by modification of Sato's method. Hanaichi T, et al. **J Electron Microsc (Tokyo)** 1986;35(3):304–6

Prenatal exposure to alcohol alters the Golgi apparatus of newborn rat hepatocytes: a cytochemical study. Renau–Piqueras J, et al. **J Histochem Cytochem** 1987 Feb; 35(2):221–8

Studies on transmission of human non–A, non–B hepatitis to marmosets. Watanabe T, et al. **J Med Virol** 1987 Jun; 22(2):143–56

The intracellular distribution of ions and water in rat liver and heart muscle. von Zglinicki T, et al. **J Microsc** 1987 Apr;146 (Pt 1):77–85

Mast cells in acute hepatitis. Bardadin KA, et al.
J Pathol 1986 Aug;149(4):315–25

Subcellular localization of triphenylethylene antiestrogen binding sites (TABS) in rat liver. Clark JH, et al.
J Steroid Biochem 1986 Nov;25(5A):635–9

Ultrastructure of sinusoids in patients with agnogenic myeloid metaplasia. Bioulac–Sage P, et al.
J Submicrosc Cytol 1986 Oct;18(4):815–21

Prenatal exposure to ethanol alters lateral plasma membranes and gap junctions of newborn rat hepatocytes as revealed by freeze–fracture. Renau–Piqueras J, et al.
J Submicrosc Cytol 1987 Jul;19(3):397–404

Isolation and characterization of chicken liver and hepatoma Mc–29 endoplasmic reticulum and Golgi apparatus membranes and biosynthesis of their glycoconjugates. Gavazova E, et al. **JNCI** 1987 Apr;78(4):683–93

Effect of chronic administration of taurolithocholate on bile formation and liver ultrastructure in the rat. Gratton F, et al. **Liver** 1987 Jun;7(3):130–7

A flow cytofluorometric study on age–dependent ploidy class changes in mouse hepatocyte nuclei. Ohtsubo K, et al.
Mech Ageing Dev 1986 Oct;36(2):125–31

Morphometric study of human hepatic cell modifications induced by fenofibrate. Gariot P, et al. **Metabolism** 1987 Mar;36(3):203–10

The cytoskeleton of hepatocytes in health and disease. French SW, et al. **Monogr Pathol** 1987;(28):95–112 (139 ref.)

Hepatic ultrastructure and adaptation. Reddy JK, et al.
Monogr Pathol 1987;(28):11–42 (86 ref.)

Ultrastructure of the liver in idiopathic haemosiderosis and results of a treatment by repeated bleedings. Prunescu CC, et al. **Morphol Embryol (Bucur)** 1987 Apr–Jun;33(2):133–6

Early events in extramedullary hemopoiesis in the liver: lymphoid cell migration into the liver. Mori M, et al.
Nippon Ketsueki Gakkai Zasshi 1987 Feb;50(1):1–6

Atypical nucleosome spacing of rat neuronal identifier elements in non–neuronal chromatin. Brown IR, et al.
Nucleic Acids Res 1987 Apr 24;15(8):3563–71

A liver cell receptor for uptake of free fatty acids.
Nutr Rev 1987 Jan;45(1):30–2 (8 ref.)

Morphometrical findings from human and animal liver cells in physiological and pathological conditions. David H.
Pathol Res Pract 1987 Jun;182(3):407–15

Ultrastructural study of the liver in argininosuccinase deficiency. Travers H, et al. **Pediatr Pathol** 1986; 5(3–4):307–18

Hydrogen ion dependent reversible fibrillarization and hydration of chromatin in divalent cation–depleted isolated

rat liver nuclei. **Miseta A, et al. Physiol Chem Phys Med NMR** 1987;19(1):3–8

Permeability measurements with closed vesicles from rat liver nuclear envelopes. Riedel N, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3540–4

Correlation of rhythmic variations in subcellular structures of rat hepatocytes, pancreatic acinar cells, and islet B cells. Uchiyama Y, et al. **Prog Clin Biol Res** 1987;227A:153–62

Ultrastructural study of ochratoxicosis in quail (Coturnix coturnix japonica). Maxwell MH, et al. **Res Vet Sci** 1987 Mar;42(2):228–31

Integrated image and X-ray microanalysis of hepatic lysosomes in a patient with idiopathic hemosiderosis before and after treatment by phlebotomy. Cleton MI, et al. **Scan Electron Microsc** 1986;(Pt 3):999–1006

The three-dimensional microstructure of the liver. A review by scanning electron microscopy. Macchiarelli G, et al. **Scan Electron Microsc** 1986;(Pt 3):1019–38 (163 ref.)

Cytoskeleton in liver diseases. Denk H, et al. **Semin Liver Dis** 1986 Aug;6(3):199–211 (112 ref.)

Gap junctions and zonulae occludentes of hepatocytes during biliary atresia in the lamprey. Youson JH, et al. **Tissue Cell** 1987;19(4):531–48

An improved method for observing the cytoskeleton around the bile canaliculi of rat hepatocytes. Ishii M, et al. **Tohoku J Exp Med** 1987 Mar;151(3):339–44

Ultrastructural and enzyme histochemical studies in orotic acid-induced fatty liver. Murakoshi M, et al. **Tokai J Exp Clin Med** 1986 Mar;11(1):39–45

Formation of canalicular spaces in isolated rat hepatocyte couplets. Boyer JL, et al. **Trans Assoc Am Physicians** 1985; 98:21–9

Demonstration of needle-shaped hepatic inclusions in porphyria cutanea tarda using the ferric ferricyanide reduction test. Fakan F, et al. **Virchows Arch [A]** 1987; 411(4):365–8

Characterization of the proteolytic compartment in rat hepatocyte nodules. Ahlberg J, et al. **Virchows Arch [B]** 1987;53(2):79–88

Ultrastructural changes in the rat liver during Euro-Collins storage, compared with hypothermic in vitro ischemia. Myagkaya GL, et al. **Virchows Arch [B]** 1987;53(3):176–82

Soluble and insoluble rat liver chromatin is different in structure and protein composition. Brust R. **Z Naturforsch [C]** 1986 Sep–Oct;41(9–10):910–6

[Electron microscopic research on the liver of rats following peroral administration of organophosphate pesticides and infection with Erysipelothrix rhusiopathiae] Krüstev Kh, et al. **Acta Microbiol Bulg** 1986;19:8–12 (Eng. Abstr.) **(Bul)**

[Ultrastructural characteristics and clinico-laboratory correlations in chronic active hepatitis] Damianov B, et al. **Vutr Boles** 1986;25(5):67–71 **(Bul)**

[Effect of acupuncture on the ultrastructure of the liver in rats] Yuan DX, et al. **Chen Tzu Yen Chiu** 1987;12(1):52–7 (Eng. Abstr.) **(Chi)**

[Lymphocytic and hepatocytic changes in chronic hepatitis B and their bearing on viral replication] Teng XC. **Chung Hua I Hsueh Tsa Chih** 1986 Nov;66(11):645–7 (Eng. Abstr.) **(Chi)**

[Morphometric study of ultrastructural modifications in the maternal hepatocyte during normal gestation in the Wistar rat] Martin-Pont B, et al. **Arch Anat Microsc Morphol Exp** 1985;74(4):229–36 (Eng. Abstr.) **(Fre)**

[Cell nucleus intervention in aluminium concentration by the rat liver cells. Experimental study] Truchet M, et al. **C R Acad Sci [III]** 1987;305(7):259–63 (Eng. Abstr.) **(Fre)**

[Presence of a basement membrane-like material in Disse's space in diabetes (letter)] Echinard E, et al. **Gastroenterol Clin Biol** 1986 Nov;10(11):772–3 **(Fre)**

[Do Mallory bodies have a prognostic value in patients with alcoholic cirrhosis treated by portal disconnection of the esophagus with a clip for rupture of esophageal varices? (letter)] Feneyrou B, et al. **Gastroenterol Clin Biol** 1987 Jan;11(1):101–2 **(Fre)**

[Porphyria cutanea tarda: pathognomonic needle-like inclusions in the cytoplasm of the hepatocytes (letter)] Grouls V, et al. **Dtsch Med Wochenschr** 1987 Jan 23; 112(4):157 **(Ger)**

[Functional morphology of the liver] Schmidt E, et al. **Z Gastroenterol [Verh]** 1987 Apr;22:16–38 (194 ref.) **(Ger)**

[The sinusoid wall of the liver in viral infections] Reinke P, et al. **Zentralbl Allg Pathol** 1986;132(2):99–108 (Eng. Abstr.) **(Ger)**

[Ultrastructural study of the liver in rabbits treated with diclofenac] Butturini L, et al. **Rev Med Univ Navarra** 1987 Jan–Mar;31(1):11–3 (Eng. Abstr.) **(Ita)**

[Ultrastructural changes in the hepatocytes following massive hepatectomy in rats] Nagahori K. **Nippon Geka Gakkai Zasshi** 1987 Apr;88(4):447–52 (Eng. Abstr.) **(Jpn)**

[Effects of TJN-101 ((+)-(6a,7a,R-biar)-5,6,7,8-tetrahydro-1,2,3,12-tetramethoxy-6,7 -dimethyl-10,11-methylenedioxy-6-dibenzo [a,c] cyclooctenol) on liver regeneration after partial hepatectomy, and on regional hepatic blood flow and fine structure of the liver in normal rats] Takeda S, et al. **Nippon Yakurigaku Zasshi** 1986 Oct;88(4):321–30 (Eng. Abstr.) **(Jpn)**

[Morphologic evaluation of the effect of the combined use of cyclophosphamide and actinomycin D on the regenerating parenchyma of the rat liver] Fiejka E. **Patol Pol** 1986 Apr–Jun;37(2):145–53 (Eng. Abstr.) **(Pol)**

[Ultrastructure of cells from the liver–endocrine pancreas system in hibernating animals] Adodina LV, et al. **Arkh Anat Gistol Embriol** 1987 Apr;92(4):78–86 (Eng. Abstr.) **(Rus)**

[Structural analysis of the pattern of interphase chromatin of rat hepatocyte nuclei] Kormilets MV, et al. **Arkh Anat Gistol Embriol** 1987 Jun;92(6):56–9 **(Rus)**

[Morphogenesis of hepatocellular necrosis in patients with cholelithiasis complicated by gangrenous cholecystitis] Zufarov KA, et al. **Arkh Patol** 1987;49(4):55–61 (Eng. Abstr.) **(Rus)**

[Reaction of liver cells to infrasound] Alekseev SV, et al. **Gig Tr Prof Zabol** 1986 Sep;(9):57–9 **(Rus)**

[Ultrastructure of the sinusoidal endothelial and Kupffer cells during multiple stress exposure: morphometric research] Shkurupiĭ VA. **Tsitol Genet** 1986 Sep–Oct;20(5):335–41 (Eng. Abstr.) **(Rus)**

[Cytophotometric analysis of the protein and nucleic acid content of the nucleus and cytoplasm of resting and proliferation-activated hepatocytes in the mouse] Selivanova GV, et al. **Tsitologiia** 1987 Feb;29(2):186–96 (Eng. Abstr.) **(Rus)**

[Changes in the chromatin of liver cells in aging] Khilobok IIu, et al. **Vestn Akad Med Nauk SSSR** 1986;(10):20–5 (Eng. Abstr.) **(Rus)**

[Morphological changes in the liver cells of rabbits with a bacterial infection] Dzhidzheishvili LSh, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 May;(5):83–8 (Eng. Abstr.) **(Rus)**

[Effect of vinblastine on bile secretion and hepatic ultrastructure in rats] Dubin M, et al. **Medicina (B Aires)** 1985;45(5):547–52 (Eng. Abstr.) **(Spa)**

LIVER ABSCESS

Pyogenic liver abscess. Moinuddin M. **Compr Ther** 1987 Mar; 13(3):26–31 (23 ref.)

[Pyogenic liver abscess] Vögtlin J, et al. **Schweiz Med Wochenschr** 1986 Aug 30;116(35):1166–72 (Eng. Abstr.) **(Ger)**

[Personal experience in the diagnosis and treatment of liver abscesses] Baršić B, et al. **Lijec Vjesn** 1986 Oct; 108(10):419–23 (Eng. Abstr.) **(Ser)**

[Acute suppurative infections of the liver] Ruiz López PM, et al. **Rev Esp Enferm Apar Dig** 1987 Apr;71(4):299–304 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Pyogenic liver abscess by haemophilus influenzae complicating hydatid cysts [letter] Ferrán M, et al. **Infection** 1986 Jul–Aug;14(4):197

Liver abscess in normal children with fever of unknown origin [letter] Balfour HH Jr. **Pediatrics** 1978 Jan;61(1):148

Hemobilia secondary to liver abscess: report of a case. Yuan TK, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 May; 86(5):553–5

[A case of acute myelogenous leukemia complicated with multiple liver abscesses caused by Candida albicans] Izuhara K, et al. **Kansenshogaku Zasshi** 1986 Oct; 60(10):1160–4 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Patterns of presentation, treatment and outcome in hepatic abscess. Sloan JP, et al. **Br J Clin Pract** 1986 May; 40(5):205–7

The liver cancer that wasn't. Sheth NK, et al. **Geriatrics** 1986 Oct;41(10):77–8, 81, 84

Actinomycosis involving the liver. Computed tomography/ultrasound correlation. Sheth S, et al. **J Ultrasound Med** 1987 Jun;6(6):329–31

[Diagnosis and treatment of multifocal neonatal hepatic abscesses using echography] Santerne B, et al. **Presse Med** 1987 Jan 10–17;16(1):12–4 (Eng. Abstr.) **(Fre)**

[Pseudotumorous liver tuberculosis with multiple organ abscesses. A contribution to the differential diagnosis of liver abscess] Mitlehner W, et al. **Dtsch Med Wochenschr** 1987 May 8;112(19):760–3 (Eng. Abstr.) **(Ger)**

[Differential diagnosis and possibilities of conservative treatment of liver abscess] Gregor M. **Z Gastroenterol** 1987 Mar;25 Suppl 2:27–33 **(Ger)**

[Clinico-microbiological diagnosis of non-clostridial anaerobic infections in diseases of the biliary tract and liver abscess] Dzhalashev IaKh, et al. **Vestn Khir** 1986 Aug; 137(8):27–31 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Successful non-surgical management of pyogenic liver abscess. Loh R, et al. **Scand J Infect Dis** 1987;19(1):137–40

[Multiple liver abscesses successfully treated by intraportal administration of amphotericin B in a case of AML (M2)] Miyawaki S, et al. **Rinsho Ketsueki** 1986 Nov; 27(11):2178–83 (Eng. Abstr.) **(Jpn)**

[A case of acute myeloblastic leukemia complicated with Candida liver abscess. A successful treatment with oral amphotericin B] Ohnishi M, et al. **Rinsho Ketsueki** 1986 Jun;27(6):925–9 (Eng. Abstr.) **(Jpn)**

[Exclusive medical treatment of a single hepatic abscess caused by Streptococcus faecium (letter)] Verdaguer A, et al. **Med Clin (Barc)** 1987 Feb 28;88(8):345–6 **(Spa)**

ETIOLOGY

Pyomyositis and hepatic abscess in association with Aeromonas hydrophila sepsis. Kratzke RA, et al. **Am J Med** 1987 Aug;83(2):347–9

Foreign body perforation of the gastrointestinal tract with formation of liver abscess. Pedersen VM, et al. **Ann Chir Gynaecol** 1986;75(4):245–6

Klebsiella pneumoniae liver abscess associated with septic endophthalmitis. Liu YC, et al. **Arch Intern Med** 1986 Oct; 146(10):1913–6

Cryptogenic abscess of the liver. Evidence of underlying reticuloendothelial cell dysfunction. Minuk GY, et al. **Arch Surg** 1987 Aug;122(8):906–8

Pseudomonas aeruginosa liver abscesses following endoscopic retrograde cholangiography. Report of a case without biliary tract disease. Davion T, et al. **Dig Dis Sci** 1987 Sep;32(9):1044–6

Liver abscess due to Haemophilus influenzae type b. Bradley J, et al. **Eur J Clin Microbiol** 1987 Feb;6(1):76–7

Hepatic abscesses as a complication of the sump syndrome: combined surgical and endoscopic therapy. Case report and review of the literature. Rumans MC, et al. **Gastroenterology** 1987 Mar;92(3):791–5

Hepatic abscess due to occult biliary stones. Barek L, et al. **J Comput Tomogr** 1987 Jan;11(1):31–4

Yersinia hepatic abscesses subsequent to long-term iron therapy. Leighton PM, et al. **JAMA** 1987 Feb 20; 257(7):964–5

Multiple liver abscesses caused by Yersinia enterocolitica. A case report. Ismail MH, et al. **S Afr Med J** 1987 Aug 15;72(4):291–2

[Liver abscess with pleuropulmonary fistula following hepatobiliary ascariasis in a 18-month-old infant. Apropos of a case with recovery for over 10 years] Bouasakao N. **J Chir (Paris)** 1986 Dec;123(12):733–8 (Eng. Abstr.) **(Fre)**

[Multiple liver abscesses in a patient with Crohn's disease] Suminaga Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Apr;84(4):915–9 **(Jpn)**

[Liver abscess secondary to ventriculoperitoneal shunt] Kohno K, et al. **No Shinkei Geka** 1987 May;15(5):575–9 (Eng. Abstr.) **(Jpn)**

[Subhepatic abscess caused by a retained surgical gauze. Echographic diagnosis (letter)] Gimeno Solsona F, et al. **Rev Esp Enferm Apar Dig** 1987 Feb;71(2):179–80 **(Spa)**

IMMUNOLOGY

Multiple Fusobacterium nucleatum liver abscesses. Association with a persistent abnormality in humoral immune function. Tweedy CR, et al. **J Clin Gastroenterol** 1987 Apr;9(2):194–7

PARASITOLOGY

Trichomonas species in a subhepatic abscess. Jakobsen EB, et al. **Eur J Clin Microbiol** 1987 Jun;6(3):296–7

PATHOLOGY

Sonographic features of amebic and pyogenic liver abscesses: a blinded comparison. Ralls PW, et al. **AJR** 1987 Sep; 149(3):499–501

Ultrasonic backscatter from bovine tissues: variation with pathology. Fei DY, et al. **J Acoust Soc Am** 1987 Jan; 81(1):166–72

RADIOGRAPHY

[CT in hepatic abscess] Fujita N, et al. **Rinsho Hoshasen** 1987 Feb;32(2):289–95 (Eng. Abstr.) **(Jpn)**

[Suppurative liver abscesses diagnosed preoperatively using percutaneous transhepatic cholangiography] Colović R, et al. **Srp Arh Celok Lek** 1986 Jul;114(7):687–94 (Eng. Abstr.) **(Scc)**

RADIONUCLIDE IMAGING

[Scanographic diagnosis of abscesses of the liver and parahepatic area] Lokhvitskiĭ SV, et al. **Klin Med (Mosk)** 1986 Sep;64(9):99–101 (Eng. Abstr.) **(Rus)**

SURGERY

Spontaneous rupture of primary pyogenic liver abscess. el Khatib CM. **J R Soc Med** 1986 Sep;79(9):547–8

Surgical infections—the referral center's perspective. With special reference to difficult intraabdominal infections. Munson JL, et al. **Postgrad Med** 1986 Nov 15;80(7):91–105

Successful percutaneous drainage of pyogenic liver abscess complicated by bronchobiliary fistula. Bilfinger TV, et al. **South Med J** 1987 Jul;80(7):907–9

[Pyogenic liver abscess secondary to biliary disease: diagnosis and treatment] Zhang MS, et al. **Chung Hua Wai Ko Tsa Chih** 1987 Mar;25(3):139–41, 188 (Eng. Abstr.) **(Chi)**

[Pathology, diagnosis and therapy of liver abscess] Hau T,

et al. **Zentralbl Chir** 1987;112(9):529–47 (Eng. Abstr.) **(Ger)**

[Percutaneous catheter drainage of pyogenic liver abscess] Reichenbach F, et al. **Zentralbl Chir** 1986;111(16):999–1005 **(Ger)**

[Results of treatment of pyogenic liver abscesses] Sperling P, et al. **Zentralbl Chir** 1987;112(9):548–57 (Eng. Abstr.) **(Ger)**

[Hepatic resection on demand in a case of abscessed hepatic granuloma secondary to brucellosis focus] Di Palo S, et al. **Minerva Chir** 1987 May 31;42(10):869–71 (Eng. Abstr.) **(Ita)**

[Percutaneous drainage of abdominal abscesses guided by echography and x-ray computed tomography] Messori D, et al. **Minerva Med** 1986 Sep 22;77(36):1639–42 (Eng. Abstr.) **(Ita)**

[Surgeon's procedure in combined acute cholecystitis and liver abscess] Magomedov AZ, et al. **Klin Khir** 1987;(4):56 **(Rus)**

[Pyogenous hepatic abscess treated by resection] Lera Tricas JM, et al. **Rev Esp Enferm Apar Dig** 1987 May;71(5):441–2 (Eng. Abstr.) **(Spa)**

THERAPY

Percutaneous drainage of a tuberculous liver abscess. Mustard RA, et al. **Can J Surg** 1986 Nov;29(6):449–50

Granulocyte transfusion kinetics measured by chemiluminescence, nitroblue tetrazolium reduction, and recovery of indium-111-labeled granulocytes. Elliott GR, et al. **Transfusion** 1987 Jan–Feb;27(1):23–7

[A clinical study on pyogenic liver abscess] Chiu CT, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Apr;86(4):405–12 (Eng. Abstr.) **(Chi)**

[Treatment with antibiotic therapy and percutaneous drainage under echographic control of a multiple hepatic abscess (letter)] Aloy Duch A, et al. **Rev Clin Esp** 1987 Mar;180(5):289–90 **(Spa)**

VETERINARY

Serum sialic acid levels in cattle inoculated with Fusobacterium necrophorum. Itabisashi T, et al. **Nippon Juigaku Zasshi** 1987 Aug;49(4):673–80

Ultrasonogram of hepatic abscess in cattle inoculated with Fusobacterium necrophorum. Itabisashi T, et al. **Nippon Juigaku Zasshi** 1987 Aug;49(4):585–92

Plasma kallikrein elevation in cattle induced with hepatic abscess. Motoi Y, et al. **Nippon Juigaku Zasshi** 1987 Apr; 49(2):369–72

LIVER ABSCESS, AMEBIC

Amebic hepatic abscess. Amin NM. **Am Fam Physician** 1987 Sep;36(3):173–80

BLOOD

Alpha-fetoprotein in amebic liver abscess. Meensook C. **Am J Gastroenterol** 1987 Apr;82(4):386–8

Lipids & lipoproteins in amoebic liver abscess. Gandhi BM, et al. **Indian J Med Res** 1986 Jun;83:594–9

COMPLICATIONS

Duodenohepatic fistula: a rare complication of amebic hepatic abscess. A case report. Duus BR, et al. **Acta Chir Scand** 1986 Dec;152:769–71

Amebic liver abscess with hepatoduodenal fistula. Mowji PJ, et al. **Am J Gastroenterol** 1987 Jun;82(6):558–9

Vascular complications of hepatic amoebiasis—a retrospective study. Krishnan K, et al. **Indian J Pathol Microbiol** 1986 Jul;29(3):293–6

Amoebic pericarditis—an unusual complication of liver abscess. Baldwa VS, et al. **J Assoc Physicians India** 1986 Jun;34(6):449–50

Amoebic pericarditis [letter] Pirie FJ, et al. **S Afr Med J** 1986 Oct 11;70(8):505–6

[A case of amebic liver abscess rupturing into the stomach] Sakazaki S, et al. **Nippon Geka Gakkai Zasshi** 1987 Feb; 88(2):211–5 (Eng. Abstr.) **(Jpn)**

[A case of multiple myeloma complicated by liver abscess perforating into the stomach] Takagi H, et al. **Nippon Naika Gakkai Zasshi** 1986 Sep;75(9):1303–8 **(Jpn)**

DIAGNOSIS

Ultrasound demonstration of amoebic liver abscess causing obstructive jaundice. Gupta RK, et al. **Australas Radiol** 1986 Nov;30(4):329–31

Sonography in complicated hepatic amoebic abscess. Gupta RK, et al. **Clin Radiol** 1987 Mar;38(2):123–6

Amoebic presentation of viral hepatitis [letter] Agarwal BD. **J Assoc Physicians India** 1986 Dec;34(12):893

Nitroblue tetrazolium test in the diagnosis of amoebic liver abscess. Gandhi BM, et al. **J Assoc Physicians India** 1986 Oct;34(10):711–3

Amebic abscess of the liver. Diagnostic features. Thompson JE Jr, et al. **J Clin Gastroenterol** 1986 Oct;8(5):550–4

Amebic liver abscess: the unconsidered and undiagnosed mimic. Zajdowicz TR. **Milit Med** 1986 Sep;151(9):481–4

Two-dimensional echocardiography in the diagnosis of amoebic pericarditis. A case report. Strang JI. **S Afr Med J** 1987 Mar 7;71(5):328–9

Enzyme linked protein-A: an ELISA for detection of amoebic antibody. Gandhi BM, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):183–5

[Hepatic amebiasis in Bujumbura (Burundi). Apropos of 27 cases observed within a 16-month period] Laroche R, et al. **Bull Soc Pathol Exot Filiales** 1987;80(2):196–201 (Eng. Abstr.) **(Fre)**

[Amebic abscess of the liver. Contribution of ultrasonics to developmental diagnosis apropos of 983 cases] Léonetti P, et al. **J Radiol** 1987 Apr;68(4):259–64 (Eng. Abstr.) **(Fre)**

[Diagnostic and therapeutic criteria in amebic liver abscess] Antón Aranda E, et al. **Rev Esp Enferm Apar Dig** 1986 Nov;70(5):461–4 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Relapse of an amebic abscess of the liver after treatment with metronidazole] Gras C, et al. **Ann Gastroenterol Hepatol (Paris)** 1987 Mar–Apr; 23(2):63–6 (Eng. Abstr.) **(Fre)**

[Increase in the size of an hepatic amebic abscess treated with metronidazole: value of immunologic surveillance with the ELIFA method] Poirriez J, et al. **Med Trop (Mars)** 1987 Apr–Jun;47(2):193–5 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Serum or plasma levels of C3, factor H and C3d in patients with amebic liver abscess. Muñoz-Espinoza LE, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:297–301

Presence of antiamebic antibodies in secretions from ileum, colon and feces in patients with amebic hepatic abscess. O'Shea-Alvarez MS, et al. **Arch Invest Med (Mex)** 1985 Oct–Dec;16(4):401–9 **(Eng, Spa)**

Monocyte functions in experimental amoebiasis. Gill NJ, et al. **Indian J Med Res** 1986 Nov;84:469–71

Induction of protective immunity to experimental hepatic amoebic infection in hamsters. Chugh PS, et al. **J Hyg Epidemiol Microbiol Immunol** 1987;31(1):99–105

Vaccination against experimental hepatic amoebic infection—an evaluation of phosphatidylcholine liposomes as immunopotentiator. Purnima, et al. **J Parasitol** 1987 Aug; 73(4):859–60

Cell-mediated immunity in amoebic liver abscess. Gandhi BM, et al. **J Trop Med Hyg** 1986 Aug;89(4):163–6

[Anti-amebic plasma cells in peripheral blood of patients with amebic liver abscess] Campos-Rodríguez R, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:303–6 (Eng. Abstr.) **(Spa)**

[Is it possible to distinguish between old and recent liver infection using immunoenzyme analysis?] Muñoz O, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:327–30 (Eng. Abstr.) **(Spa)**

[Evaluation of cellular immunity in patients with amebic liver abscess using the leukocyte migration inhibition test] Santa-Cruz M, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:319–26 (Eng. Abstr.) **(Spa)**

METABOLISM

Entamoeba histolytica: elevated nitroblue tetrazolium reduction activity in polymorphs during amoebic liver abscess. Gandhi BM, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):283–5

MORTALITY

[Reduction of mortality in amebic liver abscess. Experience in a Mexican pediatric hospital] González-Galnares M, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:341–9 (Eng. Abstr.) **(Spa)**

OCCURRENCE

[Features of amebic liver abscess in a rural hospital on the Mexican plateau] Martínez MC, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:335–9 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

[Experimental amebiasis in the guinea pig: a model for resistance] Canales-Treviño ML, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:223–8 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Sonographic features of amebic and pyogenic liver abscesses: a blinded comparison. Ralls PW, et al. **AJR** 1987 Sep; 149(3):499–501

Systemic inflammation in patients with amebic liver abscess: chemotaxis of polymorphonuclear cells. Muñoz-Espinoza L, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:313–8

[Case of amebic abscess of the liver] Marinov Kh, et al. **Khirurgiia (Sofiia)** 1986;39(4):63–5 **(Bul)**

[Caroli's disease of the liver with amebiasis. Apropos of a case] Ben Rejeb A, et al. **Tunis Med** 1986 Jun–Jul; 64(6–7):615–8 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Rounded opacity in a young man's chest. Gupta RK, et al. **Br J Radiol** 1987 Apr;60(712):411–3

SURGERY

Management of amebiasis [letter] Vargas RV. **Pediatr Infect Dis** 1986 Sep–Oct;5(5):608–9

[Ultrasound-controlled drainage of amebic abscess of the liver in Mexico] Cruz y Rivero MA, et al. **Ultraschall Med** 1986 Dec;7(6):287–9 (Eng. Abstr.) **(Ger)**

[Pathology, diagnosis and therapy of liver abscess] Hau T, et al. **Zentralbl Chir** 1987;112(9):529–47 (Eng. Abstr.) **(Ger)**

LIVER CIRCULATION

see related
HEPATIC ARTERY
HEPATIC VEINS
PORTAL SYSTEM

Reduction of hepatic arterial flow by degradable microspheres in patients with liver tumor. Thulin L, et al. **Acta Chir Scand** 1986 Jun–Jul;152:447–51

Cerebral flow and metabolism in experimental liver failure. A comparison between hepatectomy and total hepatic devascularization in pigs. Tønnesen K, et al. **Acta Chir Scand** 1986 Jun–Jul;152:439–45

Hepatic microcirculation in Zucker fatty rats. Sato N, et al. **Adv Exp Med Biol** 1986;200:477–83

Hemodynamic changes in portal circulation after portosystemic shunts: use of duplex sonography in 43 patients. Lafortune M, et al. **AJR** 1987 Oct;149(4):701–6

Portal branch ligation in the rat. Reevaluation of a model. Rozga J, et al. **Am J Pathol** 1986 Nov;125(2):300–8

Hepatic plasma flow: accuracy of estimation from bolus injections of indocyanine green. Burczynski FJ, et al. **Am J Physiol** 1987 May;252(5 Pt 2):H953–62

Hepatic arterial pressure-flow autoregulation is adenosine mediated. Ezzat WR, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):H836–45

Lack of liver vascular response to carotid occlusion in mildly acidotic dogs. Goresky CA, et al. **Am J Physiol** 1986 Nov; 251(5 Pt 2):H991–9

Effects of nonshunting operations on portal venous pressure and hepatic blood flow. Kawasaki S, et al. **Am J Surg** 1987 Mar;153(3):295–9

Effects of altered portal hemodynamics after distal splenorenal shunts. Rikkers LF, et al. **Am J Surg** 1987 Jan; 153(1):80–5

Splanchnic hemodynamic changes after the distal spleno renal shunt. Vo NM, et al. **Am Surg** 1986 Oct;52(10):568–71

Hepatic circulation during surgical stress and anesthesia with halothane, isoflurane, or fentanyl. Gelman S, et al. **Anesth Analg** 1987 Oct;66(10):936–43

Hypermetabolic state, hepatocyte expansion, and liver blood flow: an interaction triad in alcoholic liver injury. Israel Y, et al. **Ann NY Acad Sci** 1987;492:303–23 (222 ref.)

Galactose elimination kinetics in sepsis. Correlations of hepatic blood blow with function. Schirmer WJ, et al. **Arch Surg** 1987 Mar;122(3):349–54

Digitonin perfusion in the study of metabolic zonation of the rat liver: potassium as an intracellular concentration reference. Quistorff B. **Biochem Soc Trans** 1987 Jun; 15(3):361–3

Mechanism of action of sympathetic hepatic nerves on carbohydrate metabolism in perfused rat liver. Beckh K, et al. **Biol Chem Hoppe Seyler** 1987 Apr;368(4):379–86

Hepatic blood flow: accuracy of estimation from infusions of indocyanine green in anaesthetized cats. Burczynski FJ, et al. **Br J Pharmacol** 1987 Jul;91(3):651–9

Hepatic blood flow: accuracy of estimation from galactose clearances in cats. Burczynski FJ, et al. **Can J Physiol Pharmacol** 1986 Oct;64(10):1310–5

Effects of liver blood flow on hepatic uptake kinetics of galactose in anesthetized cats: parallel tube model. Greenway CV, et al. **Can J Physiol Pharmacol** 1987 Jun; 65(6):1193–9

New method for measurement of hepatic blood flow in the rat using thermodilution method. Sato T. **Circ Shock** 1987; 21(1):31–7

A comparison of the effects of end-to-side portacaval shunting and side-to-side mesocaval shunting on hepatic haemodynamics in the dog. Jenkins SA, et al. **Clin Exp Pharmacol Physiol** 1986 Jun;13(6):447–52

Indocyanine green plasma clearance as a measure of changes in hepatic blood flow. Kanstrup IL, et al. **Clin Physiol** 1987 Feb;7(1):51–4

Hepatic clearance of D-sorbitol. Noninvasive test for evaluating functional liver plasma flow. Molino G, et al. **Dig Dis Sci** 1987 Jul;32(7):753–8

Aminopyrine pharmacokinetics in the rat may depend on hepatic blood flow. Zysset T, et al. **Drug Metab Dispos** 1986 Sep–Oct;14(5):625–6

Neurotensin levels in the hepatic-portal circulation are inversely related to the circadian feeding cycle in rats. George JK, et al. **Endocrinology** 1987 Jul;121(1):7–13

Corticotropin-releasing factor decreases plasma luteinizing hormone levels in female rats by inhibiting gonadotropin-releasing hormone release into hypophysial-portal circulation. Petraglia F, et al. **Endocrinology** 1987 Mar;120(3):1083–8

Radionuclide angiography after occlusion of abdominal aorta-early hepatic activity and collateral supply. Kozenitzky I, et al. **Eur J Nucl Med** 1987;12(11):576–7

Measurement and correlation of wedged hepatic, intrahepatic, intrasplenic and intravariceal pressures in

patients with cirrhosis of liver and non-cirrhotic portal fibrosis. Sarin SK, et al. **Gut** 1987 Mar;28(3):260–6

Side effects of positive pressure ventilation on hepatic function and splanchnic circulation. Geiger K, et al. **Int J Clin Monit Comput** 1986;3(2):103–6

Continuous measurement of leakage during isolated liver perfusion with a radiotracer. Runia RD, et al. **Int J Rad Appl Instrum [B]** 1987;14(2):113–8

Effects of positive end-expiratory pressure on hepatic blood flow and performance. Matuschak GM, et al. **J Appl Physiol** 1987 Apr;62(4):1377–83

Liver haemodynamics and function in alcoholic cirrhosis. Relation to testosterone treatment and ethanol consumption. Gluud C, et al. **J Hepatol** 1987 Apr; 4(2):168–73

Hepatic blood flow determination. A comparison of 99mTc-diethyl-IDA and indocyanine green as hepatic blood flow indicators in man. Henriksen JH, et al. **J Hepatol** 1987 Feb;4(1):66–70

Hepatic clearance and liver blood flow. Keiding S. **J Hepatol** 1987 Jun;4(3):393–8

Alterations in liver blood flow and reticuloendothelial function in progressive cirrhosis in the rat. Goeting NL, et al. **J Nucl Med** 1986 Nov;27(11):1751–4

Inadequacy of the 133Xe intrahepatic injection technique for the assessment of hepatic blood flow in man. Gerundini P, et al. **J Nucl Med Allied Sci** 1987 Apr–Jun;31(2):173–8

Sinusoidal circulatory disturbance by microthrombosis as a cause of endotoxin-induced hepatic injury. Shibayama Y. **J Pathol** 1987 Apr;151(4):315–21

Vagal release of serotonin into gut lumen and portal circulation via separate control mechanisms. Grönstad KO, et al. **J Surg Res** 1987 Sep;43(3):205–10

Effect of portal vein occlusion on liver blood flow in normal and cirrhotic dogs. Hanna SS, et al. **J Surg Res** 1986 Sep; 41(3):293–300

Flow redistribution in a hyperdynamic small animal burn: comparison to patterns in sepsis. Schirmer WJ, et al. **J Surg Res** 1987 Jul;43(1):29–36

Galactose clearance as an estimate of effective hepatic blood flow: validation and limitations. Schirmer WJ, et al. **J Surg Res** 1986 Nov;41(5):543–56 (100 ref.)

Clinical application of an ultrasonic duplex system in the quantitative measurement of portal blood flow. Moriyasu F, et al. **JCU** 1986 Oct;14(8):579–88

Clinical experience with intraoperative Doppler color flow imaging in hepatectomy. Sukigara M, et al. **JCU** 1987 Jan; 15(1):9–15

Radionuclide study on hepatic blood flow in schistosomiasis japonica. Okada J, et al. **Kaku Igaku** 1986 Nov; 23(11):1517–22

Effect of hepatic nerves, norepinephrine, angiotensin, and elevated central venous pressure on postsinusoidal resistance sites and intrahepatic pressures in cats. Lautt WW, et al. **Microvasc Res** 1987 Jan;33(1):50–61

Angioscintigraphic assessment of arterial and portal liver blood flow: comparison with splanchnic angiography. Zatta G, et al. **Nuklearmedizin** 1987 Apr;26(2):83–6

Liver blood flow measured by indocyanine green in conscious unrestrained miniature pigs. Paschen U, et al. **Res Exp Med (Berl)** 1987;187(1):71–9

Chronic portal venous hypertension. The effect on liver blood flow and liver function and the development of esophageal varices. Jensen LS, et al. **Scand J Gastroenterol** 1987 May;22(4):463–70

Portal hypertension: circulatory and renal abnormalities. **Semin Liver Dis** 1986 Nov;6(4):275–369

Hemodynamic evaluation of the patient with portal hypertension. Bosch J, et al. **Semin Liver Dis** 1986 Nov; 6(4):309–17 (38 ref.)

Intrahepatic circulation in liver disease. Huet PM, et al. **Semin Liver Dis** 1986 Nov;6(4):277–86 (39 ref.)

Studies on regional hepatic blood flow and substrate metabolism in patients with hepatocellular carcinoma. Liaw KY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Dec; 85(12):1151–61

Portal blood flow changes in hyperammonaemic rabbits. Debski B, et al. **Zentralbl Veterinarmed [A]** 1987 Jan; 34(1):1–6

[Regional liver circulation and scintigraphic imaging of portal circulation with 133Xe] Kroiss A. **Acta Med Austriaca [Suppl]** 1984;31:1–28 (Eng. Abstr.) **(Ger)**

[Tricuspid regurgitation evaluated by Doppler hepatic vein flow patterns] Yoshida K, et al. **J Cardiogr** 1985 Dec; 15(4):1157–69 (Eng. Abstr.) **(Jpn)**

[Evaluation of portal circulation by 99mTcO4-scintigraphy per-rectal] Shiomi S, et al. **Kaku Igaku** 1987 Apr; 24(4):407–15 (Eng. Abstr.) **(Jpn)**

[Clinical research on the demonstration of the portal venous system and its collaterals using dynamic images of liver scintigraphy] Ikoma N. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Nov 25; 46(11):1302–13 (Eng. Abstr.) **(Jpn)**

[Clinical trial of degradable starch microspheres (DSM) in the treatment of hepatic malignancies by intra-arterial infusion of anticancer drugs—relationship between quantity of DSM and blockade of arterial blood flow] Yamada T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Nov 25; 46(11):1259–66 (Eng. Abstr.) **(Jpn)**

[Status of hepatic blood flow in peritonitis] Lupal'tsev VI, et al. **Klin Khir** 1987;(1):13–4 (Eng. Abstr.) **(Rus)**

[Rheohepatography in the complex surgical treatment of diabetic angiopathies of the lower extremities] Shevchuk MG, et al. **Klin Khir** 1986;(7):54–6 (Eng. Abstr.) **(Rus)**

[Rheo- and radiohepatography in the evaluation of the condition of patients with diffuse polyposis of the large intestine] Eropkina AG, et al. **Klin Med (Mosk)** 1987 May; 65(5):95–8 (Eng. Abstr.) **(Rus)**

[Hepatic blood flow and hepatocyte function in patients with congestive heart failure] Podymova SD, et al. **Klin Med (Mosk)** 1987 Jan;65(1):115–6 (Eng. Abstr.) **(Rus)**

[Clinico-diagnostic potentials of a new method of interpreting separate research on arterial and portal blood flow of the liver] Dzhalmukashev UK. **Patol Fiziol Eksp Ter** 1987 Jan–Feb;(1):84–6 **(Rus)**

[Complex angiographic examination and hemodynamics study in amyloidosis of the liver] Tatochenko KV, et al. **Ter Arkh** 1987;59(2):110–1 **(Rus)**

[Lipid peroxidation, its relation to levels serum non-heminic iron and circulatory function of the liver in hepatitis B] Diadik VP. **Vrach Delo** 1986 Aug;(8):118–21 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Hemodynamic and regional blood flow response to milrinone in patients with severe congestive heart failure: a dose-ranging study. Fitzpatrick PG, et al. **Am Heart J** 1987 Jul;114(1 Pt 1):97–105

Effect of famotidine on hepatic hemodynamics and peptic ulcer. Ohnishi K, et al. **Am J Gastroenterol** 1987 May; 82(5):415–8

Lack of effect of multiple doses of cimetidine on estimated hepatic blood flow. Grasela DM, et al. **Biopharm Drug Dispos** 1987 Jan–Feb;8(1):63–72

Imidazole and indomethacin improve hepatic perfusion in sepsis. Schirmer WJ, et al. **Circ Shock** 1987;21(4):253–9

Low-dose dopamine improves effective hepatic blood flow in murine peritonitis. Townsend MC, et al. **Circ Shock** 1987; 21(2):149–53

Reduction of liver plasma flow by caffeine and theophylline. Onrot J, et al. **Clin Pharmacol Ther** 1986 Nov;40(5):506–10

Atrial natriuretic peptides: reproducibility of renal effects and response of liver blood flow. Biollaz J, et al. **Eur J Clin Pharmacol** 1986;31(1):1–8

The effect of a single oral dose of ethanol on hepatic blood flow in man. Edwards DJ, et al. **Eur J Clin Pharmacol** 1987;32(5):481–4

Ethanol-induced increase in portal hepatic blood flow: interference by anesthetic agents. Carmichael FJ, et al. **Hepatology** 1987 Jan–Feb;7(1):89–94

Profound reduction in morphine clearance and liver blood flow in shock. Macnab MS, et al. **Intensive Care Med** 1986; 12(5):366–9

Vasoactive characteristics of calcitonin in coronary and hepatic circulations. Moore PL, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S186–8

Effects of oral labetalol on forearm and hepatic circulations in normotensive humans. Sweeney MO, et al. **J Lab Clin Med** 1987 May;109(5):589–94

Hepatic microvascular regulatory mechanisms. IX. Effects of compound 48/80 on endotoxin-induced changes in microcirculation and mast cell integrity. Unger LS, et al. **Microcirc Endothelium Lymphatics** 1986;3(2):109–28

Hepatic microvascular regulatory mechanisms. VII. Effects of endoportally-infused endotoxin on microcirculation and mast cells in rats. Unger LS, et al. **Microcirc Endothelium Lymphatics** 1986;3(1):47–74 (56 ref.)

Domperidone-induced increase in lower oesophageal sphincter pressure does not affect azygos blood flow in patients with cirrhosis. Braillon A, et al. **Scand J Gastroenterol** 1986 Nov;21(9):1080–2

Effects of food intake and various extrinsic hormones on portal blood flow in patients with liver cirrhosis demonstrated by pulsed Doppler with the Octoson. Okazaki K, et al. **Scand J Gastroenterol** 1986 Nov; 21(9):1029–38

[Increase in liver circulation with nifedipine] Nitsch J, et al. **Klin Wochenschr** 1986 Oct 31;64(21):1113–8 (Eng. Abstr.) **(Ger)**

[Effect of isoflurane anesthesia on hepatic circulation and hepatic oxygen metabolism] Matsumoto N, et al. **Masui** 1987 Apr;36(4):576–82 (Eng. Abstr.) **(Jpn)**

[Effects of halothane, trimetaphan and nifedipine on hepatic blood flow in cats during upper abdominal surgery] Norioka M, et al. **Masui** 1986 Sep;35(9):1380–9 (Eng. Abstr.) **(Jpn)**

[Effects of dopamine on hepatic circulation in dogs] Oka T, et al. **Masui** 1986 Aug;35(8):1207–11 (Eng. Abstr.) **(Jpn)**

[The effect of glucagon on hepatic blood flow and ICG excretion] Yasuda Y. **Nippon Geka Gakkai Zasshi** 1987 Jan; 88(1):63–73 (Eng. Abstr.) **(Jpn)**

[Experimental studies on hepatic circulation: effects of drugs on blood flows in liver tissue and portal vein of the cats] Ohmiya A. **Nippon Heikatsukin Gakkai Zasshi** 1986 Dec; 22(6):483–92 (Eng. Abstr.) **(Jpn)**

[Measurement of portal blood flow and effective hepatic circulation in liver cirrhosis—influence of glucagon] Itakura M. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul; 83(7):1330–7 (Eng. Abstr.) **(Jpn)**

[The effect of dopamine on liver circulation in man] Shimazu M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jun; 83(6):1153–60 (Eng. Abstr.) **(Jpn)**

[Effects of TJN-101 ((+)-(6s,7s,R-biar)-5,6,7,8-tetrahydro-1,2,3,12-tetramethoxy-6,7-dimethyl-10,11-methylenedioxy-6-dibenzo [a,c] cyclooctenol) on liver regeneration after partial hepatectomy, and on regional hepatic blood flow and fine structure of the liver in normal rats] Takeda S, et al. **Nippon Yakurigaku Zasshi** 1986 Oct;88(4):321–30 (Eng. Abstr.) **(Jpn)**

LIVER CIRRHOSIS

Cirrhotic glomerulonephritis: incidence, morphology, clinical features, and pathogenesis. Newell GC. **Am J Kidney Dis** 1987 Mar;9(3):183–90 (21 ref.)

[The LeVeen shunt and disseminated intravascular coagulation] Tóth A, et al. **Orv Hetil** 1987 Jun 7; 128(23):1195–6, 1199–200 (Eng. Abstr.) **(Hun)**

[Updating several aspects of liver cirrhosis] Coppo M, et al. **G Clin Med** 1987 Feb;68(2):69–85 (37 ref.) **(Ita)**

[Internal medicine evaluation of the surgical risk in cirrhosis patients] Gibertini P, et al. **Minerva Med** 1987 Feb 15; 78(3):151–8 (Eng. Abstr.) **(Ita)**

BLOOD

Cholinergic mediation of growth hormone secretion induced by thyrotropin-releasing hormone in cirrhotic patients. Volpi R, et al. **Acta Endocrinol (Copenh)** 1987 Apr; 114(4):603–8

Effect of ethanol challenge on serum glycoproteins in alcoholic and non-alcoholic liver disease. Cobden I, et al. **Alcohol Alcohol** 1987;22(3):257–63

Endotoxemia, encephalopathy, and mortality in cirrhotic patients. Bigatello LM, et al. **Am J Gastroenterol** 1987 Jan; 82(1):11–5

Hepatic fibrogenesis: new developments? Davis BH. **Am J Gastroenterol** 1987 Jun;82(6):544–6

Marked increase in serum alpha-fetoprotein level in cirrhosis: a case report. Sugimoto M, et al. **Am J Gastroenterol** 1987 Jan;82(1):69–71

Prognostic value of antithrombin III in cirrhosis of the liver [letter] Monreal M. **Arch Intern Med** 1987 Apr;147(4):794, 797

Plasma fibronectin in liver cirrhosis and its diagnostic value. Gabrielli GB, et al. **Clin Chim Acta** 1986 Nov 15; 160(3):289–96

Serum concentrations of laminin and aminoterminal propeptide of type III procollagen in relation to the portal venous pressure of fibrotic liver diseases. Gressner AM, et al. **Clin Chim Acta** 1986 Dec 30;161(3):249–58

Is determination of serum N-terminal procollagen type III peptide (sPIIIP) a marker of hepatic fibrosis? Surrenti C, et al. **Dig Dis Sci** 1987 Jul;32(7):705–9

Verapamil-induced changes in digoxin kinetics in cirrhosis. Maragno I, et al. **Eur J Clin Pharmacol** 1987;32(3):309–11

Serum concentration of N-terminal procollagen peptide of collagen type III in schistosomal liver fibrosis. el-Mohandes M, et al. **Exp Mol Pathol** 1987 Jun; 46(3):383–90

Molecular mechanism underlying impaired platelet responsiveness in liver cirrhosis. Laffi G, et al. **FEBS Lett** 1987 Aug 10;220(1):217–9

Fibrin stabilization, factor XIII transamidase activity and subunits "A" and "B" concentration in plasma of patients with liver cirrhosis. Kloczko J, et al. **Folia Haematol (Leipz)** 1986;113(4):539–44

Serum concentrations of N-terminal propeptide of type III procollagen and laminin in the outflow of fibrotic livers compared with liver-distal regions. Gressner AM, et al. **Hepatogastroenterology** 1986 Oct;33(5):191–5

Serum type III procollagen peptide concentrations in severe chronic active hepatitis: relationship to cirrhosis and disease activity. McCullough AJ, et al. **Hepatology** 1987 Jan–Feb; 7(1):49–54

Prognostic significance of serum bile acids in cirrhosis [letter] Siciliano M, et al. **Hepatology** 1986 Nov–Dec;6(6):1445

Surface markers of NK cells in peripheral blood of patients with cirrhosis and hepatocellular carcinoma. Nakajima T, et al. **Immunol Lett** 1986 Aug;13(1–2):7–10

Natural killer cell activity in post-necrotic cirrhotic patients as related to hepatitis-B virus infection and plasma zinc levels. Yoffe B, et al. **Immunol Lett** 1986 Nov 17;14(1):15–9

Hageman factor, high molecular weight kininogen, and prekallikrein in chronic liver disease. Cordova C, et al. **J Clin Pathol** 1986 Sep;39(9):1003–5

Some metabolic studies and its correlation with clinical condition in bilharzial hepatic fibrosis. el-Assiouty IM, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):593–600

Endotoxemia in patients with alcoholic and non-alcoholic cirrhosis and in subjects with no evidence of chronic liver disease following acute alcohol excess. Bode C, et al. **J Hepatol** 1987 Feb;4(1):8–14

Plasma clearances of branched-chain amino acids in control subjects and in patients with cirrhosis. Marchesini G, et al. **J Hepatol** 1987 Feb;4(1):108–17

Elevation of plasma glucagon-like immunoreactivity (GLI) in patients with liver cirrhosis. Watanabe A, et al. **J Med Clin Exp Theor** 1986;17(2):95–108

Alpha-fetoprotein and hepatitis B virus infection in chronic liver disease. Solinas A, et al. **J Nucl Med Allied Sci** 1987 Apr–Jun;31(2):183–8

Atrial natriuretic peptide in hepatic cirrhosis: relation to stage of disease, sympathoadrenal system and renin–aldosterone axis. Burghardt W, et al. **Klin Wochenschr** 1986;64 Suppl 6:103–7

Serum laminin—its concentration increases with portal hypertension in cirrhotic liver disease. Gressner AM, et al. **Klin Wochenschr** 1986 Dec 1;64(23):1240–8

Tyrosine loading in patients with hepatic cirrhosis: lack of effect on plasma catecholamines. Wernze H, et al. **Klin Wochenschr** 1986 Dec 1;64(23):1224–8

Turnover study of prothrombin, antithrombin III and fibrinogen in patients with liver cirrhosis. Saitoh H, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Sep;49(6):1263–74

Study of the formation of fibrin clot in cirrhotic patients. An approach to study of acquired dysfibrinogenemia. Reganón E, et al. **Thromb Res** 1987 Jun 1;46(5):705–14

[Changes in plasma concentrations of gastrointestinal hormones in patients with liver cirrhosis] Chen YF, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Mar;26(3):138–40, 189 (Eng. Abstr.) **(Chi)**

[Serum isoferritin assay in patients with hepatitis, cirrhosis and primary liver cancer] Liu KD, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Nov;25(11):643–5, 700 (Eng. Abstr.) **(Chi)**

[Blood volume and urinary sodium, potassium and uric acid in cirrhosis. Evidence of the hypersensitivity of the nephron to aldosterone] Decaux G, et al. **Acta Gastroenterol Belg** 1986 Jan–Feb;49(1):13–9 (Eng. Abstr.) **(Fre)**

[Role of serum gastrin in the association of peptic pathology and liver cirrhosis (letter)] Mosca S, et al. **Ann Gastroenterol Hepatol (Paris)** 1987 Jan–Feb;23(1):35–6 **(Fre)**

[Thyroid hormones in chronic hepatopathies] Udrescu E, et al. **Physiologie** 1986 Oct–Dec;23(4):249–53 **(Fre)**

[Behavior of serum magnesium in chronic sclerogenetic hepatopathies] Zocca A, et al. **G Clin Med** 1986 Aug; 67(4):209–12 (Eng. Abstr.) **(Ita)**

[Serum ferritin levels in patients with hemolymphopathies and solid neoplasms in an advanced phase: a comparison with healthy subjects and liver cirrhosis patients] Antoniazzi V. **Minerva Med** 1986 Dec 15; 77(47–48):2235–41 (Eng. Abstr.) **(Ita)**

[Correlation between values of alpha–1–fetoprotein and clinical manifestations of cirrhosis in the evaluation of a carcinomatous course of the disease. Preliminary data on case material on elderly patients] La Cascia C, et al. **Minerva Med** 1987 Jul 15;78(13):889–92 (Eng. Abstr.) **(Ita)**

[Behavior of thyroid hormones in chronic hepatopathies] Campanini M, et al. **Recenti Prog Med** 1986 Sep; 77(9):405–10 (Eng. Abstr.) **(Ita)**

[Serum free thyroid hormones and response of TSH to TRH in nonthyroidal illnesses] Kokei S, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Nov 20; 62(11):1231–43 (Eng. Abstr.) **(Jpn)**

[Plasma levels of human atrial natriuretic polypeptide in patients with liver cirrhosis] Izumi N, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jun;83(6):1231 **(Jpn)**

[Activation of reticuloendothelial system in endotoxemia after hepatectomy in cirrhotic patients] Nakagawa K. **Nippon Shokakibyo Gakkai Zasshi** 1987 Apr;84(4):945 **(Jpn)**

[Role of dysfibrinogenemia and disorders of fibrinolysis in the pathogenesis of hemostatic pathology in liver cirrhosis] Buevich EI. **Ter Arkh** 1987;59(2):104–9 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation and metabolism in viral hepatitis B and liver cirrhosis] Diadik VP, et al. **Vrach Delo** 1986 Nov; (11):114–7 (Eng. Abstr.) **(Rus)**

[Importance of apolipoproteins A–I and B in acute viral hepatitis and hepatic cirrhosis] Jorge AD, et al. **Acta Gastroenterol Latinoam** 1986;16(1):39–46 (Eng. Abstr.) **(Spa)**

[The cyclic AMP, insulin and glucose responses to glucagon stimulation in patients with liver cirrhosis according to the stage of development] Esteva Díaz F, et al. **Rev Clin Esp** 1986 Nov;179(7):347–51 (Eng. Abstr.) **(Spa)**

[Implications of the arterialization of the sinusoid in its capillarization and in the maintenance of portal hypertension in the cirrhotic patient] Ceña Lázaro G, et al. **Rev Esp Enferm Apar Dig** 1987 Feb;71(2):111–3 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Copper and Indian childhood cirrhosis [letter] Bhave S, et al. **Indian Pediatr** 1986 Sep;23(9):745–7

Fatal liver cirrhosis associated with long–term arterial infusion of floxuridine [letter] Pettavel J, et al. **Lancet** 1986 Nov 15;2(8516):1162–3

[Unilateral pleural effusion: first manifestation of cirrhosis induced by alpha–methyldopa (letter)] Humbert P, et al. **Gastroenterol Clin Biol** 1987 Jun–Jul;11(6–7):519–20 **(Fre)**

CLASSIFICATION

Clinical and statistical validity of conventional prognostic factors in predicting short–term survival among cirrhotics. Infante–Rivard C, et al. **Hepatology** 1987 Jul–Aug; 7(4):660–4

COMPLICATIONS

Cirrhosis and bleeding ileal varices without previous intraabdominal surgery. A case report. Højhus JH, et al. **Acta Chir Scand** 1986 Jun–Jul;152:479–80

Failure of two anti–platelet drugs (indobufen and dipyridamole) to improve thrombocytopenia in liver cirrhosis. Luzzatto G, et al. **Acta Haematol (Basel)** 1987; 77(2):101–6

Spontaneous bacterial peritonitis: clinical and laboratory features with reference to hospital–acquired cases. Carey WD, et al. **Am J Gastroenterol** 1986 Dec;81(12):1156–61

Central thrombocytopenia and liver disease [letter] Bettan L, et al. **Ann Intern Med** 1987 Jan;106(1):170

Ascites in cirrhosis [letter] Spital A. **Ann Intern Med** 1987 Jan;106(1):169–70

Pathogenesis of the hepatorenal syndrome. Davidson EW, et al. **Annu Rev Med** 1987;38:361–72 (77 ref.)

Hyporeninemic hypoaldosteronism in a patient with cirrhosis and ascites. Escarce JJ. **Arch Intern Med** 1986 Dec; 146(12):2407–8

Improving survival in patients with cirrhosis undergoing major abdominal operations. Sirinek KR, et al. **Arch Surg** 1987 Mar;122(3):271–3

Full dose dipyridamole significantly improves thrombocytopenia in liver cirrhosis [letter] Luzzatto G, et al. **Blut** 1987 Jul;55(1):63–4

Frequency of infections in cirrhotic patients presenting with acute gastrointestinal haemorrhage. Bleichner G, et al. **Br J Surg** 1986 Sep;73(9):724–6

Metastases from hepatocellular carcinoma in sclerosed oesophageal varices in cirrhotic patients. Hiraoka T, et al. **Br J Surg** 1986 Nov;73(11):932

Safe use of induced hypotension in a patient with cirrhotic liver disease. Roth S, et al. **Can J Anaesth** 1987 Mar; 34(2):186–9

Elevation of CA 125 in patients with benign and malignant ascites. Bergmann JF, et al. **Cancer** 1987 Jan 15;59(2):213–7

Clinicomorphological manifestations of primary liver carcinoma (PLC) in liver cirrhosis. Ferlan–Marolt V, et al. **Cancer Detect Prev** 1986;9(5–6):491–3

Hepatogenic pulmonary angiodysplasia treated with coil–spring embolization. Felt RW, et al. **Chest** 1987 Jun; 91(6):920–2

Immunoglobulin abnormalities in chronic liver disease. Pan BR, et al. **Chin Med J [Engl]** 1986 Aug;99(8):688–90

Steatosis and cirrhosis in an obese diabetic. Resolution of fatty liver by fasting. Keeffe EB, et al. **Dig Dis Sci** 1987 Apr;32(4):441–5

Hemodynamic effect of propranolol on portal hypertension in patients with HBsAg–positive cirrhosis. Kong CW, et al. **Dig Dis Sci** 1986 Dec;31(12):1303–6

Nadolol for prevention of variceal rebleeding in cirrhosis: a controlled clinical trial. Gatta A, et al. **Digestion** 1987; 37(1):22–8

The surgical risk of colectomy in patients with cirrhosis. Metcalf AM, et al. **Dis Colon Rectum** 1987 Jul;30(7):529–31

Thrombocytopenia in liver cirrhosis complicated by variceal haemorrhage: lack of increase in platelet count after spleno renal distal shunt. Luzzatto G, et al. **Folia Haematol (Leipz)** 1987;114(1):145–52

Splenic arteriovenous fistula formation due to angiodysplasia in a splenic aneurysm of a patient with liver cirrhosis—a report of a case. Furuta Y, et al. **Gastroenterol Jpn** 1987 Jun;22(3):374–8

99mTc–sulfur colloid studies in hepatic hydrothorax [letter] Bonacini M, et al. **Gastroenterology** 1987 Jan;92(1):273

Vibrio vulnificus infection after raw oyster ingestion in a patient with liver disease and acquired immune deficiency syndrome–related complex. Chin KP, et al. **Gastroenterology** 1987 Mar;92(3):796–9

Quantitative aspects of portal–systemic and arteriovenous shunts within the liver in cirrhosis. Ohnishi K, et al. **Gastroenterology** 1987 Jul;93(1):129–34

Linear discriminant analysis of ascitic fluid in hepatic cirrhosis [letter] Vicens J, et al. **Gastroenterology** 1987 Feb; 92(2):558–9

Evaluation of aztreonam in the treatment of spontaneous bacterial peritonitis in patients with cirrhosis. Ariza J, et al. **Hepatology** 1986 Sep–Oct;6(5):906–10

Pitfalls in studies of prophylactic therapy for variceal bleeding in cirrhotics. Burroughs AK, et al. **Hepatology** 1986 Nov–Dec;6(6):1407–13

Prevention of recurrent bleeding in cirrhotics with recent variceal hemorrhage: prospective, randomized comparison of propranolol and sclerotherapy. Fleig WE, et al. **Hepatology** 1987 Mar–Apr;7(2):355–61

Propranolol for prevention of recurrent gastrointestinal bleeding in patients with cirrhosis: a prospective study of factors associated with rebleeding. Poynard T, et al. **Hepatology** 1987 May–Jun;7(3):447–51

Paracentesis: a safe and effective form of therapy [editorial] Schiff ER. **Hepatology** 1987 May–Jun;7(3):591–2

Ascites, cirrhosis, and congestive heart failure. Schiff ER. **Hosp Pract [Off]** 1986 Dec 15;21(12):170–2

Skeletal changes in Indian childhood cirrhosis. Kishan T, et al. **Indian J Pediatr** 1986 May–Jun;53(3):415–8

Hepatocellular carcinoma and cirrhosis of liver. Malik GK, et al. **Indian J Pediatr** 1986 May–Jun;53(3):423–5

Continuous arterio–venous ultrafiltration in cirrhotic patients with ascites or renal failure. Epstein M, et al. **Int J Artif Organs** 1986 Jul;9(4):253–6

Neurobehavioral correlates of cholestatic and hepatocellular disease: differentiation according to disease specific characteristics and severity of the identified cerebral dysfunction. Tarter RE, et al. **Int J Neurosci** 1987 Feb; 32(3–4):901–10

Memory impairments concomitant with nonalcoholic cirrhosis. Tarter RE, et al. **Int J Neurosci** 1987 Feb; 32(3–4):853–9

Surgical treatment of small hepatocellular carcinomas in cirrhosis. Franco D, et al. **Int Surg** 1987 Apr–Jun;72(2):73–7 (33 ref.)

Hepatic resection for tumours in cirrhotic livers. Gozzetti G, et al. **Int Surg** 1987 Apr–Jun;72(2):82–6

Painful muscle cramps. A symptom of liver cirrhosis? Konikoff F, et al. **J Clin Gastroenterol** 1986 Dec; 8(6):669–72

Reliability of endoscopy in the assessment of variceal features. The Italian Liver Cirrhosis Project. **J Hepatol** 1987 Feb;4(1):93–8

Cirrhosis and the aetiology of hepatocellular carcinoma. Johnson PJ, et al. **J Hepatol** 1987 Feb;4(1):140–7 (46 ref.)

Pregnancy in a case of cirrhosis of liver. Pal PK, et al. **J Indian Med Assoc** 1987 Jan;85(1):22–3

An experimental study into the cause of acute haemorrhagic gastritis in cirrhosis. Shibayama Y. **J Pathol** 1986 Aug; 149(4):307–13

Candida myocarditis in a patient with chronic active hepatitis and macronodular cirrhosis. Hall JC, et al. **J Tenn Med Assoc** 1986 Aug;79(8):473–6

Anaemia in Indian childhood cirrhosis [letter] Chandhary SK. **J Trop Pediatr** 1986 Aug;32(4):206–7

Portal systemic encephalopathy (PSE). Qureshi H, et al. **JPMA** 1987 Feb;37(2):25–33

Choice of diuretics in cirrhotic ascites [editorial] Qureshi H. **JPMA** 1986 May;36(5):101–3

Prophylaxis of first variceal hemorrhage in patients with liver cirrhosis. Sauerbruch T, et al. **Klin Wochenschr** 1986 Dec 15;64(24):1267–75

The prognostic significance of bacteremia in hepatic cirrhosis. Graudal N, et al. **Liver** 1987 Jun;7(3):138–41

Bacteremia in cirrhosis of the liver. Graudal N, et al. **Liver** 1986 Oct;6(5):297–301

Pathogenesis of ascites in cirrhosis. Arroyo V, et al. **Minerva Med** 1987 May 31;78(10):645–50

Refractory ascites: definition and mechanism. Arroyo V, et al. **Minerva Med** 1987 May 31;78(10):675–80

Endoscopic sclerotherapy versus portacaval shunt in patient with severe cirrhosis and acute variceal hemorrhage. Long–term follow–up. Cello JP, et al. **N Engl J Med** 1987 Jan 1;316(1):11–5

Propranolol in the prevention of first upper gastrointestinal tract hemorrhage in patients with cirrhosis of the liver and esophageal varices. Pascal JP, et al. **N Engl J Med** 1987 Oct 1;317(14):856–61

Epidemiology of HDV infection in Southern Italy. Giusti G, et al. **Prog Clin Biol Res** 1987;234:367–77

Delta virus infection in Jerusalem. Schuger L, et al. **Prog Clin Biol Res** 1987;234:469

Role of sialic acid in acquired dysfibrinogenemia associated with liver cirrhosis. Narvaiza MJ, et al. **Ric Clin Lab** 1986 Oct–Dec;16(4):563–8

Spontaneous bacterial peritonitis in cirrhosis. Incidence, diagnosis, and prognosis. Almdal TP, et al. **Scand J Gastroenterol** 1987 Apr;22(3):295–300

Portal–systemic encephalopathy. Influence of shunt surgery and relations to serum amino acids. Joelsson B, et al. **Scand J Gastroenterol** 1986 Oct;21(8):900–6

The distal splenorenal shunt in patients with variceal bleeding due to schistosomal hepatic fibrosis. Bessa SM, et al. **Surg Gynecol Obstet** 1987 Aug;165(2):143–7

Platelet and blood clotting activation after endoscopic sclerotherapy of oesophageal varices in liver cirrhosis. Biagi G, et al. **Thromb Res** 1986 Nov 1;44(3):411–6

A case of liver cirrhosis complicated with endotoxemia and disseminated intravascular coagulation: a case report. Yajima Y, et al. **Tohoku J Exp Med** 1987 Mar;151(3):269–74

[Distal renal tubular acidosis in patients with liver cirrhosis] Tesař V, et al. **Cas Lek Cesk** 1987 Mar 6;126(10):306–11 (Eng. Abstr.) **(Cze)**

[Intraoperative echography: an indispensable element in surgery of small hepatocarcinomas in cirrhotic patients] Bonnet P, et al. **Ann Chir** 1986 Dec;40(9):648–50 (Eng. Abstr.) **(Fre)**

[Hepatocellular carcinoma in cirrhosis: prolonged survival (4 years 9 months) after tumor excision and portacaval shunting (letter)] Brassier D, et al. **Ann Gastroenterol Hepatol (Paris)** 1986 Oct;22(5):287–8 **(Fre)**

[The effect of sotalol on cirrhotic portal hypertension. Results of a preliminary study of cardiac and hepatic hemodynamics] Deflandre J, et al. **Biomed Pharmacother** 1986;40(4):154–7 (Eng. Abstr.) **(Fre)**

[Morphology and function of the esophagus after sclerotherapy of esophageal varices in cirrhotic patients] Bretagne JF, et al. **Gastroenterol Clin Biol** 1987 Jan; 11(1):48–55 (Eng. Abstr.) **(Fre)**

[Mediastinal pseudotumors in cirrhosis. Diagnostic value of nuclear magnetic resonance in 3 cases] Guivarch P, et al. **Gastroenterol Clin Biol** 1987 Apr;11(4):333–7 (Eng. Abstr.) **(Fre)**

[Controlled study of propranolol in the prevention of recurrent hemorrhage in cirrhotic patients] Queuniet AM, et al. **Gastroenterol Clin Biol** 1987 Jan;11(1):41–7 (Eng. Abstr.) (Fre)

[Rapid bacteriological diagnosis of ascitic fluid infections in cirrhotic patients (letter)] Dupeyron C, et al. **Presse Med** 1986 Dec 6;15(43):2168 (Fre)

[Prevention of hemorrhagic recurrence in Child's group A cirrhotic patients] Franco D, et al. **Presse Med** 1987 Sep 19;16(30):1453–5 (Fre)

[Surgical treatment of hepatoma on a cirrhotic liver] Launois B, et al. **Presse Med** 1986 Dec 20;15(45):2235–8 (Eng. Abstr.) (Fre)

[Physiopathology and treatment of ascites in the cirrhotic patient] Rodés J, et al. **Rev Med Brux** 1987 Apr;8(4):204–8 (Eng. Abstr.) (Fre)

[Hypersplenism in Mediterranean cirrhosis. Is splenectomy useful?] Lévy VG, et al. **Tunis Med** 1986 Apr;64(4):351–7 (Eng. Abstr.) (Fre)

[Spontaneous splenorenal shunt in liver cirrhosis] Liebl R, et al. **Dtsch Med Wochenschr** 1987 Feb 13;112(7):262–5 (Eng. Abstr.) (Ger)

[Effect of glycylpressin on pressure in esophageal varices in patients with liver cirrhosis and previous hemorrhaging varices] Staritz M, et al. **Dtsch Med Wochenschr** 1987 Aug 21;112(34):1292–5 (Eng. Abstr.) (Ger)

[Diagnosis of varices in liver cirrhosis: duplex ultrasound versus gastroscopy] Schwaighofer B, et al. **ROFO** 1987 Jan;146(1):38–41 (Eng. Abstr.) (Ger)

[Perforation and incarceration of umbilical hernia in cirrhosis with ascites] Mittelman M, et al. **Harefuah** 1987 Apr 1; 112(7):336–7 (Eng. Abstr.) (Heb)

[Digestive hemorrhages in cirrhotic patients. Their etiopathogenetic definition and choice of therapy] Picardi N, et al. **Ann Ital Chir** 1986;58(2–4):91–102 (Ita)

[HBV, HDV and HTLV–III infections in drug addicts, cirrhotics and hemodialysis patients] Migneco G, et al. **Boll Soc Ital Biol Sper** 1986 Oct 30;62(10):1305–10 (Eng. Abstr.) (Ita)

[Low–sodium diet, principal defense in the therapy and prevention of ascites in the cirrhotic patient] Giusti G, et al. **Clin Ter** 1987 Mar 31;120(6):463–72 (Ita)

[Calculi of the gallbladder in patients with liver cirrhosis] Lettieri A, et al. **Minerva Chir** 1986 Dec 31; 41(23–24):2027–30 (Eng. Abstr.) (Ita)

[Therapy of ascites decompensation in the cirrhotic patient] Corsini G, et al. **Minerva Dietol Gastroenterol** 1986 Jul–Sep; 32(3):279–84 (Eng. Abstr.) (Ita)

[Chemical and cytologic tests in the differential diagnosis of ascites] Attanasio A, et al. **Minerva Med** 1987 Mar 15; 78(5):297–301 (Eng. Abstr.) (Ita)

[Clinical aspects and therapy of ascites. Medical therapy] Celle G. **Minerva Med** 1987 May 31;78(10):659–62 (Ita)

[Long–term results of the peritoneovenous shunt in the treatment of intractable ascites in cirrhotic patients] Dellepiane M, et al. **Minerva Med** 1987 May 31; 78(10):717–20 (Ita)

[Results of portal shunts in the treatment of intractable ascites in cirrhosis] Franco D, et al. **Minerva Med** 1987 May 31; 78(10):689–91 (Ita)

[Functional insufficiency in chronic liver disease patients. The hepatorenal syndrome] Gentilini P, et al. **Minerva Med** 1987 May 31;78(10):651–4 (Ita)

[Therapy of the hepatorenal syndrome] Laffi G, et al. **Minerva Med** 1987 May 31;78(10):669–74 (Ita)

[Clinical aspects and therapy of ascites. Complications of therapy] Pannacciulli I. **Minerva Med** 1987 May 31; 78(10):663–7 (Ita)

[Therapy of refractory ascites: concentration and reinfusion] Testa R. **Minerva Med** 1987 May 31;78(10):681–3 (Ita)

[Therapy of refractory ascites: systems for ascites depuration] Valbonesi M, et al. **Minerva Med** 1987 May 31;78(10):685–8 (Ita)

[Diagnostic value of serum ferritin in primary carcinoma of the liver associated with cirrhosis] Salmi A, et al. **Recenti Prog Med** 1987 May;78(5):208–10 (Eng. Abstr.) (Ita)

[Fibrocystic disease of the breast in autopsy cases with special reference to the age frequency distribution of epithelial hyperplasia and its relation to liver cirrhosis] Suehiro S, et al. **Gan No Rinsho** 1986 Oct;32(12):1525–32 (Eng. Abstr.) (Jpn)

[FT, 5–FU and uracil concentrations of the blood, bile and tissue of hepatoma with liver cirrhosis after oral administration of UFT] Oguma S, et al. **Gan To Kagaku Ryoho** 1987 Apr;14(4):1122–8 (Eng. Abstr.) (Jpn)

[Therapeutic effect of vancomycin hydrochloride, a nonabsorbable antibiotic, on intractable (lactulose resistant) chronic hepatic encephalopathy in cirrhotic patients] Tarao K, et al. **Kansenshogaku Zasshi** 1986 Apr;60(4):283–92 (Eng. Abstr.) (Jpn)

[A case of Vibrio vulnificus infection] Umemura T, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Sep;96(10):1035–9 (Jpn)

[A case of insulin autoimmune syndrome with transient islet cell surface antibodies accompanied by liver cirrhosis] Harigaya Y, et al. **Nippon Naika Gakkai Zasshi** 1986 Sep; 75(9):1250–5 (Jpn)

[Hepatic failure due to disseminated intrahepatic portal vein thrombosis after endoscopic sclerotherapy of a cirrhotic patient] Matsuda H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Dec;83(12):2616–20 (Jpn)

[Gastric mucosal blood flow: the effect of esophageal transection and endoscopic sclerotherapy of treatment of esophageal varices in liver cirrhosis] Nishiwaka H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Apr;84(4):833–9 (Jpn)

[Prospective study of the development of hepatocellular carcinoma in 160 patients with cirrhosis of the liver] Oka H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct; 83(10):2145–50 (Eng. Abstr.) (Jpn)

[A case of liver cirrhosis with gastric varices showing spontaneous splenorenal shunt] Soda M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Apr;84(4):925–9 (Jpn)

[Predictive studies of hepatic encephalopathy in patients with liver cirrhosis by oral glucose tolerance tests and blood ketone body ratios] Suda T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Dec;83(12):2538–44 (Eng. Abstr.) (Jpn)

[Spontaneous rupture of the splenic artery as the cause of death of a patient with liver cirrhosis] Kuydowicz J, et al. **Wiad Lek** 1986 Dec 15;39(24):1706–8 (Eng. Abstr.) (Pol)

[Raynaud's syndrome with gangrene of the distal phalanges of the fingers and myocarditis in viral (HBsAg–positive) liver cirrhosis (clinico–morphologic study)] Aprosina ZG, et al. **Ter Arkh** 1987;59(2):136–9 (Rus)

[Surgical tactics in the esophago–gastric hemorrhages of liver cirrhosis patients] Shalimov AA, et al. **Vestn Khir** 1986 Dec;137(12):26–30 (Eng. Abstr.) (Rus)

[Piperacillin in the treatment of spontaneous peritonitis in hepatic cirrhosis (letter)] Andreu M, et al. **Med Clin (Barc)** 1986 Nov 8;87(15):648 (Spa)

[Treatment of cirrhotic ascites. Paracentesis again?] Arroyo V, et al. **Med Clin (Barc)** 1987 Jun 13;89(3):112–4 (Spa)

[Undifferentiated small cell carcinoma of pancreatic origin. Presentation of a case and review of the literature] Campistol JM, et al. **Med Clin (Barc)** 1987 Mar 14; 88(10):419–22 (Eng. Abstr.) (Spa)

[Hepatic encephalopathy in a 57–year–old male with Caroli's disease] Esteban R, et al. **Med Clin (Barc)** 1987 Mar 21; 88(11):467–75 (Spa)

[Acquired hepatocerebral degeneration (letter)] Riancho JA, et al. **Med Clin (Barc)** 1987 Mar 28;88(12):521 (Spa)

[Cirrhotic hydrothorax (letter)] Virginillo M, et al. **Medicina (B Aires)** 1985;45(2):207 (Spa)

[Does disseminated intravascular coagulation exist in liver cirrhosis?] Balanzo J, et al. **Rev Esp Enferm Apar Dig** 1987 Jun;71(6):463–8 (Eng. Abstr.) (Spa)

[Cirrhogenic pleural effusion in the absence of ascites] Camps C, et al. **Rev Esp Enferm Apar Dig** 1987 Jun;71(6):543–4 (Eng. Abstr.) (Spa)

[Prognosis of hepatic cirrhosis in relation to clinical and biological parameters and the degree of portal hypertension] González Reyes A, et al. **Rev Esp Enferm Apar Dig** 1987 Apr;71(4):286–92 (Eng. Abstr.) (Spa)

[Role of prostaglandins in hepatic cirrhosis with ascites] Pacheco D, et al. **Rev Med Chil** 1986 Oct;114(10):978–83 (Eng. Abstr.) (Spa)

CONGENITAL

Hepatic involvement in hereditary renal syndromes. Bernstein J. **Birth Defects** 1987;23(1):115–30

Congenital hepatic fibrosis: report of a case. Kong MS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 May;86(5):556–9

Congenital hepatic fibrosis in Turkish children. Koçak N, et al. **Turk J Pediatr** 1986 Jul–Sep;28(3):165–9

[Caroli's disease—a case report] Chen JH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Sep;85(9):910–7 (Eng. Abstr.) (Chi)

[Idiopathic hemochromatosis and congenital hepatic fibrosis. A fortuitous association? (letter)] Rosenbaum A, et al. **Gastroenterol Clin Biol** 1987 Mar;11(3):263–4 (Fre)

[Sonography and CT in Caroli syndrome] Schratter M, et al. **Rontgenpraxis** 1987 Jan;40(1):12–4 (Ger)

DIAGNOSIS

Detection of early zone 3 liver fibrosis in chronic alcoholics. A comparison of four connective tissue staining methods. Vyberg M, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1987 Jan; 95(1):11–6

Measurement of connective tissue parameters in serum for diagnosis and follow–up of liver fibrosis. Gressner AM. **Ann Clin Biochem** 1987 May;24 (Pt 3):283–92

Diagnostic sensitivity of fasting and postprandial serum bile acids determined by different methods. Mannes GA, et al. **Clin Chim Acta** 1987 Jan 30;162(2):147–54

Relationship between hepatic injury status and event related potentials. Tarter RE, et al. **Clin Electroencephalogr** 1987 Jan;18(1):15–9

Noninvasive evaluation of hepatic fibrosis using frequency demodulation of ultrasound signals. Hoefs JC, et al. **Dig Dis Sci** 1986 Oct;31(10):1046–55

The aminopyrine breath test does not correlate with histologic disease severity in patients with cholestasis. Baker AL, et al. **Hepatology** 1987 May–Jun;7(3):464–7

Envelope amplitude analysis following narrow–band filtering: a technique for ultrasonic tissue characterization. Sommer FG, et al. **Med Phys** 1987 Jul–Aug;14(4):627–32

Cirrhosis and liver echogenicity. de Korte PJ, et al. **Neth J Med** 1987 Feb;30(1–2):17–20

Cirrhosis: value of caudate to right lobe ratio in diagnosis with US. Giorgio A, et al. **Radiology** 1986 Nov; 161(2):443–5

FM sonography in diffuse liver disease: prospective assessment and blinded analysis. Ralls PW, et al. **Radiology** 1986 Nov;161(2):451–4

Prognostic score in liver cirrhosis developed using the Cox's proportional hazard regression model. Casaril M, et al. **Ric Clin Lab** 1987 Jan–Mar;17(1):67–76

[Determination of serum adenosine deaminase: its diagnostic value in jaundice and liver fibrosis] Wang JL, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Feb;25(2):79–81, 126 (Eng. Abstr.) (Chi)

[Ultrasonic pseudotumoral aspect of cirrhosis] Brauner M, et al. **J Radiol** 1987 Apr;68(4):255–8 (Eng. Abstr.) (Fre)

[Severity and prognosis of liver cirrhosis assessed by organ–reflectance spectrophotometry] Kasahara A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Feb;84(2):261–7 (Eng. Abstr.) (Jpn)

[Studies on portal blood flow using an ultrasonic pulsed Doppler system and correlation between portal blood flow and cardiac output] Doi T, et al. **Rinsho Byori** 1986 Aug; 34(8):977–80 (Jpn)

[Correlation between liver biopsy and liver function tests in the diagnosis of liver cirrhosis] Ohta Y, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:154–61 (Jpn)

[Liver cirrhosis] Azuma Y. **Rinsho Hoshasen** 1986 Oct; 31(10):1127–8 (Jpn)

DRUG THERAPY

Effect of branched chain amino acid infusions on body protein metabolism in cirrhosis of liver. Wright PD, et al. **Gut** 1986 Nov;27 Suppl 1:96–102

Portal venous flow in response to acute beta–blocker and vasodilatatory treatment in patients with liver cirrhosis. Zoli M, et al. **Hepatology** 1986 Nov–Dec;6(6):1248–51

Choice of diuretics in cirrhosis with ascites. Qureshi H, et al. **JPMA** 1987 Jun;37(6):142–5

Human atrial natriuretic peptide (ANP) for the treatment of patients with liver cirrhosis and ascites. Brabant G, et al. **Klin Wochenschr** 1986;64 Suppl 6:108–11

Penicillamine in Indian childhood cirrhosis [letter] Barrow L, et al. **Lancet** 1987 Aug 29;2(8557):513–4

Therapeutic actions of alpha–human atrial natriuretic polypeptide in 16 clinical cases. Tang J, et al. **Life Sci** 1987 May 25;40(21):2077–86

Systemic haemodynamics, renal and platelet function during chronic propranolol administration in patients with compensated cirrhosis. Meacci E, et al. **Liver** 1987 Apr; 7(2):110–5

Pharmacokinetic–hemodynamic interactions in cirrhosis. Blei AT. **Semin Liver Dis** 1986 Nov;6(4):299–308 (76 ref.)

[Oral administration of branched–chain amino acids in the treatment of hepatic disease] Qian SC. **Chung Hua I Hsueh Tsa Chih** 1986 Sep;66(9):525–7, 574 (Eng. Abstr.) (Chi)

[When can one consider the use of urea in cirrhotic patients with ascites?] Decaux G, et al. **Acta Gastroenterol Belg** 1986 Jan–Feb;49(1):24–32 (Eng. Abstr.) (Fre)

[Colchicine therapy of fibrosing liver diseases—report of a randomized double–blind study] Reinhardt M, et al. **Dtsch Z Verdau Stoffwechselkr** 1986;46(5):257–75 (Eng. Abstr.) (Ger)

[Use of colchicine in liver cirrhosis] Vilela MP, et al. **Rev Paul Med** 1986 Sep–Oct;104(5):271–3 (Eng. Abstr.) (Por)

[Treatment of liver cirrhosis] Khazanov AI. **Klin Med (Mosk)** 1987 Jan;65(1):144–9 (Rus)

[Clinical efficacy of various immunomodulating drugs in cirrhosis of the liver] Perederil VG, et al. **Vrach Delo** 1987 May;(5):15–7 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Activities of the hepatic enzymes of vitamin B6 metabolism for patients with cirrhosis. Merrill AH Jr, et al. **Am J Clin Nutr** 1986 Oct;44(4):461–7

Proteases and antiproteases related to the coagulation system in plasma and ascites—an approach to differentiate between malignant and cirrhotic ascites. Schölmerich J, et al. **Klin Wochenschr** 1987 Jul 15;65(14):634–8

[Studies on adenosine deaminase activity and purine nucleoside phosphorylase activity of peripheral blood mononuclear cell in patients with cirrhosis of the liver] Yamamoto T, et al. **Nippon Naika Gakkai Zasshi** 1987 Apr; 76(4):497–500 (Jpn)

ETIOLOGY

Alpha 1–antitrypsin deficiency and liver cirrhosis in adults. An analysis of 35 Swedish autopsied cases. Eriksson S. **Acta Med Scand** 1987;221(5):461–7

Aetiology of liver cirrhosis in Kenya. Okoth FA, et al. **East Afr Med J** 1986 Nov;63(11):724–30

Cirrhosis as a consequence of graft–versus–host disease. Knapp AB, et al. **Gastroenterology** 1987 Feb;92(2):513–9

Development of hepatic cholestasis and fibrosis in patients with massive loss of intestine supported by prolonged parenteral nutrition. Stanko RT, et al. **Gastroenterology** 1987 Jan;92(1):197–202

Influence of hepatitis delta virus infection on progression to cirrhosis in chronic hepatitis type B. Fattovich G, et al. **J Infect Dis** 1987 May;155(5):931–5

Cirrhosis with hepatitis B infection [letter] Ozsoylu S, et al. **J Pediatr** 1986 Oct;109(4):729–30

Hepatic infarction and acute liver failure in children with extrahepatic biliary atresia and cirrhosis. Gartner JC Jr, et al. **J Pediatr Surg** 1987 Apr;22(4):360–2

Plasmacytoma of a long clinical course with peripheral neuropathy and osteoblastic as well as osteolytic changes [clinical conference] Kizaki M, et al. **Keio J Med** 1986 Oct; 35(4):298–310

Persistent acute hepatitis, an evolutive modality of the acute viral hepatitis, with high cirrhogenic potential. Banciu T, et al. **Med Interne** 1987 Apr–Jun;25(2):93–8

Schistosoma hepatic cirrhosis and bleeding esophageal varices. Rothman D. **NJ Med** 1987 May;84(5):348–9

[Perisinusoidal fibrosis in idiopathic thrombopenic purpura] Lafon ME, et al. **Gastroenterol Clin Biol** 1987 Jun–Jul; 11(6–7):510–3 (Eng. Abstr.) **(Fre)**

[Liver cirrhosis in childhood—etiology, diagnosis and conservative therapy] Feist D. **Wien Klin Wochenschr** 1986 Aug 29;98(16):547–51 (Eng. Abstr.) **(Ger)**

[Liver cirrhosis in congenital erythropoietic protoporphyria] Szechciński J, et al. **Pol Tyg Lek** 1986 Jul 14;41(28):899–901 (Eng. Abstr.) **(Pol)**

[Alcohol as a pathological factor for patients with acute and chronic viral hepatitis and liver cirrhosis] Dunaevskiĭ OA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Apr; (4):76–80 (Eng. Abstr.) **(Rus)**

[Pulmonary emphysema, liver cirrhosis and primary hepatocarcinoma in alpha 1-antitrypsin deficiency (editorial)] Arias Vallejo E. **Rev Esp Enferm Apar Dig** 1987 Jun;71(6):521 **(Spa)**

FAMILIAL & GENETIC

Immunohistochemical detection of ras oncogene p21 product in liver cirrhosis and hepatocellular carcinoma. Nonomura A, et al. **Am J Gastroenterol** 1987 Jun;82(6):512–8

Liver fibrosis in arginase deficiency [letter] Jordá A, et al. **Arch Pathol Lab Med** 1987 Aug;111(8):691–2

Chronic active hepatitis associated with liver–kidney microsomal antibody of an autoimmune type. Two familial cases. Buffet C, et al. **Dig Dis Sci** 1986 Nov;31(11):1273–6

HISTORY

Why does cirrhosis belong to Laennec? Duffin JM. **Can Med Assoc J** 1987 Sep 1;137(5):393–6

IMMUNOLOGY

HLA in juvenile liver disease with alpha-one-antitrypsin deficiency. Nemeth A, et al. **Acta Paediatr Scand** 1987 Jul; 76(4):603–7

Immunohistochemical studies on structural changes of the hepatic lobules in chronic liver diseases. Fukuda Y, et al. **Am J Gastroenterol** 1986 Dec;81(12):1149–55

Decreased interleukin 1 activity in culture supernatant of lipopolysaccharide stimulated monocytes from patients with liver cirrhosis and hepatocellular carcinoma. Yokota M, et al. **Clin Exp Immunol** 1987 Feb;67(2):335–42

Immunological studies in cirrhotic & non-cirrhotic portal fibrosis. Guha Mazumder DN, et al. **Indian J Med Res** 1986 Jul;84:59–61

Studies on Hanganutziu–Deicher antigens-antibodies. I. Hanganutziu–Deicher antibodies of IgG class in liver diseases. Morito T, et al. **Int Arch Allergy Appl Immunol** 1986;81(3):204–8

Variations in humoral and cellular immunologic changes in relation to the evolutive stage of chronic active liver disease. Banciu T, et al. **Med Interne** 1987 Jan–Mar; 25(1):25–30

Seroconversion from HBs-Ag to anti-HBs in a case of liver cirrhosis associated with hepatocellular carcinoma. Unakami M, et al. **Tohoku J Exp Med** 1987 May; 152(1):81–6

[Analysis of lymphocyte subpopulations of the spleen in patients with gastric cancer and liver cirrhosis] Kuroi K, et al. **Nippon Geka Gakkai Zasshi** 1987 Jan;88(1):127 **(Jpn)**

[The significance of autoantibody against calmodulin in acute hepatitis and chronic liver diseases] Ikeda Y. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep;83(9):2092 **(Jpn)**

[The immune compartment in chronic active liver disease responsive and non-responsive to corticoid therapy] Buligescu L, et al. **Rev Med Interna [Med Interna]** 1987 Jan–Mar;39(1):91–5 **(Rum)**

[Clinical significance of the leukocyte migration inhibition reaction to human liver lipoprotein in children with chronic hepatitis and liver cirrhosis] Imbaeva AA, et al. **Pediatriia** 1986 Nov;(11):39–41 (Eng. Abstr.) **(Rus)**

[Character of the isoelectric spectra of the Fc-fragments of immunoglobulin G in chronic hepatitis and cirrhosis of the liver] Klintsova SP, et al. **Vrach Delo** 1987 Jan;(1):28–31 (Eng. Abstr.) **(Rus)**

[Hepatic fibrosis as a mechanism of autoimmunity] Arias Vallejo E. **Rev Esp Enferm Apar Dig** 1986 Oct;70(4):353 **(Spa)**

METABOLISM

Delivery and use of oxygen in the hepatic tissue assessed by organ–reflectance spectrophotometry. Hayashi N, et al. **Adv Exp Med Biol** 1986;200:113–7

Bioavailability of zinc from zinc–histidine complexes. II. Studies on patients with liver cirrhosis and the influence of the time of application. Schölmerich J, et al. **Am J Clin Nutr** 1987 Jun;45(6):1487–91

Amino acid clearance in cirrhosis. A predictor of postoperative morbidity and mortality. Pearl RH, et al. **Arch Surg** 1987 Apr;122(4):468–73

Collagen metabolism in fibrotic liver. Effects of concanavalin A and aggregated myeloma immunoglobin G. Takahashi S, et al. **Biochem J** 1987 Jan 1;241(1):49–54

Alterations in the carbohydrate moiety of alpha-1-acid glycoprotein purified from human cirrhotic ascitic fluid. Biou D, et al. **Biochim Biophys Acta** 1987 Jul 7; 913(3):308–12

Pharmacokinetics of erythromycin in patients with severe cirrhosis. Respective influence of decreased serum binding and impaired liver metabolic capacity. Barre J, et al. **Br J Clin Pharmacol** 1987 Jun;23(6):753–7

Nimodipine disposition and haemodynamic effects in patients with cirrhosis and age-matched controls. Gengo FM, et al. **Br J Clin Pharmacol** 1987 Jan;23(1):47–53

Quantitative and qualitative binding characteristics of disopyramide in serum from patients with decreased renal and hepatic function. Pedersen LE, et al. **Br J Clin Pharmacol** 1987 Jan;23(1):41–6

Hypersecretion of proinsulin does not explain the hyperinsulinaemia of patients with liver cirrhosis. Ballmann M, et al. **Clin Endocrinol (Oxf)** 1986 Oct;25(4):351–61

Effect of cirrhosis and debrisoquin phenotype on the disposition and effects of pinacidil. Shaheen O, et al. **Clin Pharmacol Ther** 1986 Dec;40(6):650–5

X-ray microanalysis of the fingernails in cirrhotic patients. Djaldetti M, et al. **Dermatologica** 1987;174(3):114–6

Hepatic clearance of D-sorbitol. Noninvasive test for evaluating functional liver plasma flow. Molino G, et al. **Dig Dis Sci** 1987 Jul;32(7):753–8

Drug disposition in patients with HBsAg-positive chronic liver disease. Villeneuve JP, et al. **Dig Dis Sci** 1987 Jul; 32(7):710–4

Increased levels of platelet-activating factor in blood from patients with cirrhosis of the liver. Caramelo C, et al. **Eur J Clin Invest** 1987 Feb;17(1):7–11

Kinetics of disopyramide in decreased hepatic function. Bonde J, et al. **Eur J Clin Pharmacol** 1986;31(1):73–7

Comparative pharmacokinetics and cardiovascular effects of tiapamil in healthy volunteers and patients with hepatic cirrhosis. Hinderling PH, et al. **Eur J Clin Pharmacol** 1986; 31(4):397–404

Glycosaminoglycan, proteoglycan, and hepatic fibrosis [editorial] Arenson DM, et al. **Gastroenterology** 1987 Feb; 92(2):536–8

Enhanced oral bioavailability of meptazinol in cirrhosis. Birnie GG, et al. **Gut** 1987 Mar;28(3):248–54

Mechanism of the excessive sedative response of cirrhotics to benzodiazepines: model experiments with triazolam. Bakti G, et al. **Hepatology** 1987 Jul–Aug;7(4):629–38

Hepatic alpha 1-antitrypsin mRNA content in cirrhosis with normal and abnormal protease inhibitor phenotypes. Schwarzenberg SJ, et al. **Hepatology** 1986 Nov–Dec; 6(6):1252–8

Prognostic value of the aminopyrine breath test in cirrhotic patients. Villeneuve JP, et al. **Hepatology** 1986 Sep–Oct; 6(5):928–31

Release of prostanoids into the portal and hepatic vein in patients with chronic liver disease. Wernze H, et al. **Hepatology** 1986 Sep–Oct;6(5):911–6

Glucose turnover in compensated hepatic cirrhosis. Piniewska DM, et al. **Horm Metab Res** 1986 Dec; 18(12):834–7

Impairment of drug clearance in patients with diabetes mellitus & liver cirrhosis. Narang AP, et al. **Indian J Med Res** 1987 Mar;85:321–5

Liver insufficiency as a factor modifying the pharmacokinetic characteristic of the preparation nabumetone. Maleev A, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Aug; 24(8):425–9

Nabumetone (BRL 14777) presystemic elimination and disposition in patients with liver impairments. Terziivanov D, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Apr; 25(4):208–13

Trace elements in bilharzial hepatic fibrosis and encephalopathy. Abdel-Maguid S, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):469–76

Kinetics of albumin in cirrhosis [letter] Buhac I. **J Lab Clin Med** 1986 Nov;108(5):517–8

Exogenous lipid clearance in compensated liver cirrhosis. Muscaritoli M, et al. **JPEN J Parenter Enteral Nutr** 1986 Nov–Dec;10(6):599–603

Biliary lipid composition in patients with non-cirrhotic portal fibrosis—a comparison with compensated cirrhosis of the liver. Sarin SK, et al. **Liver** 1987 Feb;7(1):38–42

Relationship between aldosterone and sodium, potassium, and uric acid clearance in cirrhosis with and without ascites. Decaux G, et al. **Nephron** 1986;44(3):226–9

Tubular handling of sodium and phosphate in non-ascitic liver cirrhosis. Caregaro L, et al. **Scand J Clin Lab Invest** 1987 May;47(3):247–51

Low serum 25-hydroxy-calciferols and intact hepatic 25-hydroxylation in patients with decompensated post-necrotic hepatic cirrhosis. Tsai KS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Jan;86(1):33–8

[Atracurium and cirrhosis (letter)] Calderon A, et al. **Ann Fr Anesth Reanim** 1987;6(1):73 **(Fre)**

[Pharmacokinetics of the continuous infusion of propofol in the cirrhotic patient. Preliminary results] Servin F, et al. **Ann Fr Anesth Reanim** 1987;6(4):228–9 **(Fre)**

[Should drug prescriptions be modified in cirrhotic patients?] Attali P. **Presse Med** 1986 Oct 4;15(33):1661–3 **(Fre)**

[Study of bioavailability parameters of propranolol in cirrhotic patients after oral administration of the delayed-action form] Blanc M, et al. **Therapie** 1987 Mar–Apr;42(2):187–91 (Eng. Abstr.) **(Fre)**

[Changes in hepatic zinc in cirrhosis and extrahepatic cholestasis] Tata C, et al. **Recenti Prog Med** 1986 Nov; 77(11):530–1 (Eng. Abstr.) **(Ita)**

[Nutritional assessment in medical patients] Muto Y. **Rinsho Byori** 1987 Apr;35(4):368–72 **(Jpn)**

[Erythroblasts at the ultrastructural level in cirrhotics with abnormal iron metabolism] Shimizu S, et al. **Rinsho Ketsueki** 1987 May;28(5):687–94 (Eng. Abstr.) **(Jpn)**

[Isoniazid acetylation in hepatic cirrhosis] Pereira Filho RA, et al. **Rev Paul Med** 1985 Nov–Dec;103(6):276–9 (Eng. Abstr.) **(Por)**

[Fatty acid composition of liver lipids in chronic hepatitis, liver cirrhosis and fatty liver] Mokhov VM, et al. **Vopr Med Khim** 1987 May–Jun;33(3):38–42 (Eng. Abstr.) **(Rus)**

[Zinc deficiency and the severity of hepatic cirrhosis] Ortuño JA, et al. **Med Clin (Barc)** 1987 Jun 13;89(3):99–103 (Eng. Abstr.) **(Spa)**

MORTALITY

Mortality of hepatoma and cirrhosis of liver in Taiwan. Lin TM, et al. **Br J Cancer** 1986 Dec;54(6):969–76

Liver cirrhosis mortality in Argentina: its relationship to alcohol intake. Hauger-Klevene JH, et al. **Drug Alcohol Depend** 1987 Jan;19(1):29–33

Grading scores and survivorship functions in liver cirrhosis: a comparative statistical analysis of various predictive models. Rossi L, et al. **Hepatogastroenterology** 1986 Dec; 33(6):240–3

Leads from the MMWR. Trends in mortality from cirrhosis and alcoholism—United States, 1945–1983. **JAMA** 1986 Dec 26;256(24):3337–8

Trends in mortality from cirrhosis and alcoholism—United States, 1945–1983. **MMWR** 1986 Nov 14;35(45):703–5

Trends in mortality from primary liver cancer, cirrhosis of the liver, virus hepatitis, and other liver diseases 1968–1984 in Japan. Huang ZM, et al. **Nagoya J Med Sci** 1987 Mar; 49(1–4):41–52

[Trends of mortality from cirrhosis in France between 1925 and 1982] Coppéré H, et al. **Gastroenterol Clin Biol** 1986 Jun–Jul;10(6–7):468–74 (Eng. Abstr.) **(Fre)**

[Epidemiology, etiology and prognosis of liver cirrhosis. Studies on a selected patient sample of 356 patients (1970–1979)] Hüppe D, et al. **Lebensversicherungsmedizin** 1987 Jan 1;39(1):11–8 (Eng. Abstr.) **(Ger)**

[Analysis of survival and prognostic factors in liver cirrhosis] Rollán A, et al. **Rev Med Chil** 1986 Jul;114(7):643–52 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Indian childhood cirrhosis. Joshi VV. **Perspect Pediatr Pathol** 1987;11:175–92 (63 ref.)

There must be an explanation. Carlsson LG. **Scand J Soc Med** 1986;14(4):169–70

An epidemic of cirrhosis in Danish women revisited. Petersen J, et al. **Scand J Soc Med** 1986;14(4):171–8

PATHOLOGY

Changes in the connective tissue and decrease in the number of mast cells in the testes of men with alcoholic and non-alcoholic cirrhosis. Nistal M, et al. **Acta Morphol Hung** 1986;34(1–2):107–15

A case of laparoscopically detected cholangiocarcinoma of a few millimeters in size, with portal fibrosis. Watanbe M, et al. **Endoscopy** 1987 Jan;19(1):39–42

Portal hypertensive gastric mucosa: an endoscopic study. Papazian A, et al. **Gut** 1986 Oct;27(10):1199–203

Interphasic nucleolus organizer regions visualized by silver reaction in human hepatocytes. Likovsky Z, et al. **Hepatogastroenterology** 1987 Jun;34(3):106–7

Perisinusoidal fibrosis and basement membrane-like material in the livers of diabetic patients. Latry P, et al. **Hum Pathol** 1987 Aug;18(8):775–80

Amino acid changes in autopsied brain tissue from cirrhotic patients with hepatic encephalopathy. Lavoie J, et al. **J Neurochem** 1987 Sep;49(3):692–7

The clinicopathological significance of changes of ganglioside patterns in the cirrhotic liver: a study of 11 cases. Tanno M, et al. **Jpn J Med** 1987 May;26(2):147–52

Cirrhosis and liver echogenicity. de Korte PJ, et al. **Neth J Med** 1987 Jan;30(1):17–20

Perivascular and interstitial fibrosis in the kidney associated with liver cirrhosis: a histopathologic study of autopsy cases. Maeda K. **Nippon Jinzo Gakkai Shi** 1987 Mar; 29(3):301–7

The atypism of hematic cells quantitatively evaluated at the ultrastructural level in myelodysplastic syndrome and liver cirrhosis. Shimizu S, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Jul;49(4):862–72

Aspects of the hepatic rheogram within the medical practice. Gusti S. **Physiologie** 1987 Jan–Mar;24(1):41–6

Collagen formation and cirrhosis. Ruebner BH. **Semin Liver Dis** 1986 Aug;6(3):212–20 (61 ref.)

Use of a narrowband estimator for acoustic attenuation in liver [letter] Duerinckx AJ, et al. **Ultrason Imaging** 1986 Jul;8(3):225–6

Megamitochondria as a diagnostic marker for alcohol induced centrilobular and periportal fibrosis in the liver. Junge J, et al. **Virchows Arch [A]** 1987;410(6):553–8

Fatal copper storage disease of the liver in a German infant resembling Indian childhood cirrhosis. Müller-Höcker J, et al. **Virchows Arch [A]** 1987;411(4):379–85

The sinusoids in cirrhosis. A morphometric study. Pesce C, et al. **Virchows Arch [A]** 1986;410(3):217–9

[The value of victoria blue stain for elastic fibers in the diagnosis of hepatitis and hepatic cirrhosis] Chen ML. **Chung Hua Nei Ko Tsa Chih** 1986 Sep;25(9):534–5, 575 (Eng. Abstr.) **(Chi)**

[Fibroplasia and liver cirrhosis. Pathophysiologic significance, diagnosis, future therapeutic approaches] Gerlach U. **Fortschr Med** 1987 May 10;105(14):267–70, 44 (Eng. Abstr.) **(Ger)**

[Sonography in the diagnosis of liver cirrhosis and its complications] Schwerk WB. **Internist (Berlin)** 1987 Jul; 28(7):477–88 (35 ref.) **(Ger)**

[Liver cirrhosis as a risk factor in hepatocellular cancer] Wiedmann KH. **Internist (Berlin)** 1987 Jul;28(7):468–76 (79 ref.) **(Ger)**

[Portal vein thrombosis and portal vein sclerosis in liver cirrhosis] Susani M, et al. **Vasa** 1986;15(4):392–6 (Eng. Abstr.) **(Ger)**

[Morphology and function of Ito cells of the liver] Körner T, et al. **Z Gesamte Inn Med** 1987 Jul 1;42(13):349–54 (50 ref.) (Eng. Abstr.) **(Ger)**

[Clinical and morpho-functional considerations on liver cirrhosis in the elderly] Baltă N, et al. **Rev Med Interna [Med Interna]** 1987 Jan–Mar;39(1):71–80 **(Rum)**

[Stellate reticuloendotheliocytes in cirrhosis of the liver] Aruin LI, et al. **Arkh Patol** 1987;49(3):31–7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Studies of trace elements in childhood cirrhosis. Sharda B, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:206–10

Intrahepatic portosystemic venous shunt: occurrence in patients with and without liver cirrhosis. Mori H, et al. **AJR** 1987 Oct;149(4):711–4

Changes of splanchnic circulation with progression of chronic liver disease studied by echo-Doppler flowmetry. Ohnishi K, et al. **Am J Gastroenterol** 1987 Jun;82(6):507–11

Pulmonary function changes in cirrhosis of the liver. Yao EH, et al. **Am J Gastroenterol** 1987 Apr;82(4):352–4

Gas exchange and pulmonary vascular reactivity in patients with liver cirrhosis. Rodriguez-Roisin R, et al. **Am Rev Respir Dis** 1987 May;135(5):1085–92

The pathogenesis of accelerated fibrinolysis in liver cirrhosis: a critical role for tissue plasminogen activator inhibitor. Herach SL, et al. **Blood** 1987 May;69(5):1315–9

Sedation for gastroscopy: a comparative study of midazolam and Diazemuls in patients with and without cirrhosis. Hamdy NA, et al. **Br J Clin Pharmacol** 1986 Dec; 22(6):643–7

Progressive hepatic arterial flow increase after end-to-side portacaval shunt in normal and cirrhotic rats. Secchi M, et al. **Eur Surg Res** 1986;18(6):361–8

Role of hepatic dysfunction and bilirubin on CA 19–9 levels in cirrhotic patients [letter] Leandro G, et al. **Gastroenterology** 1987 Jan;92(1):270–1

Influence of the degree of liver failure on systemic and splanchnic haemodynamics and on response to propranolol in patients with cirrhosis. Braillon A, et al. **Gut** 1986 Oct; 27(10):1204–9

Measurement and correlation of wedged hepatic, intrahepatic, intrasplenic and intravariceal pressures in patients with cirrhosis of liver and non-cirrhotic portal fibrosis. Sarin SK, et al. **Gut** 1987 Mar;28(3):260–6

Pattern-reversal visual evoked potentials in hepatic cirrhosis. Myslobodsky MS, et al. **Hepatogastroenterology** 1986 Aug; 33(4):145–7

Cirrhosis with ascites: a heterogeneous population [letter] Bernardi M, et al. **Hepatology** 1987 Jan–Feb;7(1):199–200

Compensated cirrhosis: natural history and prognostic factors. Ginés P, et al. **Hepatology** 1987 Jan–Feb;7(1):122–8

Effects of metoclopramide and domperidone on azygos venous blood flow in patients with cirrhosis and portal hypertension. Mastai R, et al. **Hepatology** 1986 Nov–Dec; 6(6):1244–7

Glomerular lesions associated with liver cirrhosis: an immunohistochemical and clinicopathologic analysis. Kawaguchi K, et al. **Hum Pathol** 1986 Nov;17(11):1137–43

Increased sensitivity of gastric acid secretion to gastrin in cirrhotic patients with portacaval shunt. Lenz HJ, et al. **J Clin Invest** 1987 Apr;79(4):1120–4

Effects of alpha-adrenergic stimulation and beta-adrenergic blockade on azygos blood flow and splanchnic haemodynamics in patients with cirrhosis. Mastai R, et al. **J Hepatol** 1987 Feb;4(1):71–9

Circulating atrial natriuretic peptide (ANP) and central blood volume (CBV) in cirrhosis. Henriksen JH, et al. **Liver** 1986 Dec;6(6):361–8

Splenic artery and superior mesenteric artery blood flow: nonsurgical Doppler US measurement in healthy subjects and patients with chronic liver disease. Sato S, et al. **Radiology** 1987 Aug;164(2):347–52

Domperidone-induced increase in lower oesophageal sphincter pressure does not affect azygos blood flow in patients with cirrhosis. Braillon A, et al. **Scand J Gastroenterol** 1986 Nov;21(9):1080–2

Effects of food intake and various extrinsic hormones on portal blood flow in patients with liver cirrhosis demonstrated by pulsed Doppler with the Octoson. Okazaki K, et al. **Scand J Gastroenterol** 1986 Nov; 21(9):1029–38

The influence of a long-acting somatostatin analogue on splanchnic haemodynamics and metabolism in healthy subjects and patients with liver cirrhosis. Wahren J, et al. **Scand J Gastroenterol [Suppl]** 1986;119:103–8

Intrahepatic circulation in liver disease. Huet PM, et al. **Semin Liver Dis** 1986 Nov;6(4):277–86 (39 ref.)

Pathogenesis of ascites formation and hepatorenal syndrome: humoral and hemodynamic factors. Ring-Larsen H, et al. **Semin Liver Dis** 1986 Nov;6(4):341–52 (121 ref.)

The pathophysiology of cirrhotic edema: a reexamination of the "underfilling" and "overflow" hypotheses. Norris SH, et al. **Semin Nephrol** 1987 Jun;7(2):99–105

Splenic haematopoiesis in patients with cirrhosis of the liver. Palitzsch KD, et al. **Virchows Arch [A]** 1987;411(2):179–83

Adequacy and support of physiological functions in the acutely ill cirrhotic patient. Giovannini I, et al. **World J Surg** 1987 Apr;11(2):202–9 (74 ref.)

[Nail-fold microcirculatory flow in liver cirrhosis: diabetes mellitus and systemic lupus erythematosus] Yuan SY. **Chung Hua I Hsueh Tsa Chih** 1986 Aug;66(8):473–5, 512 (Eng. Abstr.) **(Chi)**

[Hypothalamus-pituitary-thyroid axis in patients with hepatic cirrhosis] Gong JW, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Mar;26(3):165–7, 191 (Eng. Abstr.) **(Chi)**

[Disorders of water homeostasis in liver cirrhosis] Gross P, et al. **Internist (Berlin)** 1987 Jul;28(7):443–7 (29 ref.) **(Ger)**

[Cardiovascular function in liver cirrhosis] Lenz K. **Leber Magen Darm** 1987 Apr;17(2):84–94 (Eng. Abstr.) **(Ger)**

[Update on the therapy of ascites (medical and surgical). Genoa, 30 May 1987] **Minerva Med** 1987 May 31; 78(10):643–720 **(Ita)**

[Echocardiographic evaluation of cardiac changes in cirrhosis of the liver] Di Fazzio S, et al. **Recenti Prog Med** 1987 May;78(5):224–6 (Eng. Abstr.) **(Ita)**

[Experimental and clinical studies on the effect of reticuloendothelial system (RES) potentiator in the depressed RES function in cirrhotics] Kobayashi S. **Nippon Geka Gakkai Zasshi** 1987 Jun;88(6):715–26 (Eng. Abstr.) **(Jpn)**

[A study on the effect of propranolol on the portal venous pressure and systemic hemodynamics in patients with chronic liver disease] Sekiyama T. **Nippon Ika Daigaku Zasshi** 1987 Apr;54(2):173–83 (Eng. Abstr.) **(Jpn)**

[The plasma molar ratio of valine, leucine and isoleucine to phenylalanine and tyrosine as a marker of portal-systemic shunt in liver cirrhosis] Goto N, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul;83(7):1344–9 (Eng. Abstr.) **(Jpn)**

[Measurement of portal blood flow and effective hepatic circulation in liver cirrhosis—influence of glucagon] Itakura M. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul; 83(7):1330–7 (Eng. Abstr.) **(Jpn)**

[The esophageal mucosal hemodynamics in patients with liver cirrhosis] Kawano S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov; 83(11):2297–301 (Eng. Abstr.) **(Jpn)**

[An estimation of functional reserve of the liver in liver cirrhosis using PABA test] Kiyohara H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep;83(9):2028–34 (Eng. Abstr.) **(Jpn)**

[Deterioration of liver function in cirrhotic patients following endoscopic sclerotherapy of esophageal varices] Matsuda H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Mar; 84(3):684–9 (Eng. Abstr.) **(Jpn)**

[Measurement of intestinal vascular resistance in patients with liver cirrhosis by ultrasonic duplex system/portal catheterization combination] Nakamura T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Feb;84(2):210–5 (Eng. Abstr.) **(Jpn)**

[Hemodynamic comparison between idiopathic portal hypertension and liver cirrhosis with splenomegaly] Nishida O, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Mar;84(3):706–11 (Eng. Abstr.) **(Jpn)**

[The evaluation of exocrine pancreatic function of liver cirrhosis with N-benzoyl-L-tyrosyl-p-aminobenzoic acid (BT-PABA test)] Sasagawa Y. **Nippon Shokakibyo Gakkai Zasshi** 1986 Dec;83(12):2571–9 (Eng. Abstr.) **(Jpn)**

[Distribution of blood flow in the hepatolienal area in patients with portal hypertension] Sandrikov VA, et al. **Klin Khir** 1986;(9):35–7 (Eng. Abstr.) **(Rus)**

[Disorders of regulation of the stability of the intravascular fluid volume in patients with liver cirrhosis] Gapon LI. **Ter Arkh** 1987;59(2):100–4 (Eng. Abstr.) **(Rus)**

[Function of the small intestine of patients with chronic hepatitis and cirrhosis of the liver] Iakhontova OI, et al. **Vrach Delo** 1987 May;(5):18–20 (Eng. Abstr.) **(Rus)**

[Liver cirrhosis and the renin-angiotensin-aldosterone system] Lozano de León F, et al. **Rev Esp Enferm Apar Dig** 1986 Nov;70(5):465–8 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Hepatoprotection by malotilate against carbon tetrachloride-alcohol-induced liver fibrosis. Siegers CP, et al. **Agents Actions** 1986 Aug;18(5–6):600–3

Posttransfusion cirrhosis, non-A, non-B hepatitis, and the acquired immunodeficiency syndrome [letter] Schmidt PJ. **Ann Intern Med** 1987 Oct;107(4):597–8

Endogenous gamma interferon production may protect against hepatic cirrhosis and administration of exogenous gamma interferon may protect individuals prone to cirrhosis. Sharpe RJ. **Med Hypotheses** 1987 Apr; 22(4):415–9

PSYCHOLOGY

[Comparative studies of the personality structure of the diabetic patient and the patient with chronic liver disease] Zeichen R. **Wien Med Wochenschr [Suppl]** 1986;96:1–12 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Portographic opacification of hepatic veins and (anomalous) anastomoses between the portal and hepatic veins in cirrhosis—indication of extensive intrahepatic shunts. Ohnishi K, et al. **Am J Gastroenterol** 1986 Oct;81(10):975–8

Cerebral morphological abnormalities associated with non-alcoholic cirrhosis. Tarter RE, et al. **Lancet** 1986 Oct 18;2(8512):893–5

[Serial computed tomographic examinations of patients with liver cirrhosis] Jend HH, et al. **Radiol Diagn (Berl)** 1986; 27(6):727–36 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Angioscintigraphic assessment of arterial and portal liver blood flow: comparison with splanchnic angiography. Zatta G, et al. **Nuklearmedizin** 1987 Apr;26(2):83–6

Hepatosplenic captation index (S/L ratio) as a portal hypertension test. Piaggi V, et al. **Rays** 1985 May–Aug; 10(2):97–101

[Clinical evaluation of per-rectal portal scintigraphy in patients with liver cirrhosis] Yoneyama K, et al. **Nippon Naika Gakkai Zasshi** 1986 Sep;75(9):1228–33 **(Jpn)**

[An autopsy case of liver cirrhosis showing extramedullary hematopoiesis of the lung by bone marrow scintigraphy with 111In-chloride] Saijo N, et al. **Rinsho Hoshasen** 1986 Aug;31(8):945–7 (Eng. Abstr.) **(Jpn)**

[Hepatic scintigraphy using 99mTc-colloid in liver cirrhosis in children] Mironov SP. **Med Radiol (Mosk)** 1987 Mar; 32(3):31–5 (Eng. Abstr.) **(Rus)**

SURGERY

Effects of esophageal transection combined with splenectomy on portal hemodynamics. Saito M, et al. **Am J Gastroenterol** 1987 Jan;82(1):16–9

Distal splenorenal shunt for management of variceal bleeding in patients with schistosomal hepatic fibrosis. Ezzat FA, et al. **Ann Surg** 1986 Nov;204(5):566–73

Single-valve vs double-valve Denver peritoneovenous shunts for ascitic fluid [letter] Newkirk JB. **Arch Surg** 1987 May;122(5):619

The long-term effect of distal lienorenal shunt surgery on portal venous pressure. Gibson PR, et al. **Aust NZ J Surg** 1986 Oct;56(10):773–6

Glucose tolerance after portacaval shunt in liver cirrhosis. Pezzarossa A, et al. **Diabete Metab** 1986 Aug;12(4):197–202

Management of colorectal cancer in patients with cirrhosis and a LeVeen shunt. Le Rolland B, et al. **Int Surg** 1987 Apr–Jun;72(2):93–5

Endotoxemia after abdominal surgery. Nakagawa K, et al. **Tohoku J Exp Med** 1986 Nov;150(3):273–80

Malfunction of peritoneovenous (LeVeen) shunt after tricuspid valvulectomy [letter] **World J Surg** 1987 Aug; 11(4):555–6

[Surgical treatment of intractable ascites in cirrhosis. In favor of a rationale for therapeutic indications] Franco D, et al. **Acta Gastroenterol Belg** 1986 Jan–Feb;49(1):50–9 (Eng. Abstr.) **(Fre)**

[Peritoneovenous shunt in the treatment of intractable ascites in cirrhotic patients. UCL experience] Gigot JF, et al. **Acta Gastroenterol Belg** 1986 Jan–Feb;49(1):33–49 (Eng. Abstr.) **(Fre)**

[Hyperselective portal decompression: an exclusively Lille method? (letter)] Vankemmel M, et al. **Gastroenterol Clin Biol** 1987 Jun–Jul;11(6–7):521–2 **(Fre)**

[Local fibrinolytic therapy in thrombotic complications of peritoneovenous shunt] Billmann P, et al. **Z Gastroenterol** 1986 Aug;24(8):426–9 (Eng. Abstr.) **(Ger)**

[Endotoxemia after surgery in digestive diseases] Nakagawa K, et al. **Nippon Geka Gakkai Zasshi** 1987 Jun;88(6):675–9 (Eng. Abstr.) **(Jpn)**

[Acute postoperative hemorrhagic gastroduodenitis in cirrhosis] Popescu I, et al. **Rev Chir [Chir]** 1987 Mar–Apr; 36(2):119–24 **(Rum)**

[Indications for surgical treatment of chronic hepatitis and cirrhosis of the liver] Pyshkin SA, et al. **Klin Khir** 1986; (9):29–32 (Eng. Abstr.) **(Rus)**

[Changes in microcirculation and oxygen tension in the blood and liver tissue after splenorenal anastomoses and partial arterialization of the liver] Saatov RR, et al. **Klin Khir** 1986; (9):32–5 (Eng. Abstr.) **(Rus)**

THERAPY

Dialytic ultrafiltration by hemofilter in treatment of patients with refractory ascites and renal insufficiency. Lai KN, et al. **Am J Gastroenterol** 1987 Jul;82(7):665–8

Shunt surgery versus endoscopic sclerotherapy for long-term treatment of variceal bleeding. Early results of a randomized trial. Rikkers LF, et al. **Ann Surg** 1987 Sep; 206(3):261–71

Subtotal splenectomy in cirrhotic patients. Zheng YJ, et al. **Chin Med J [Engl]** 1986 Mar;99(3):191–4

Adult respiratory distress syndrome associated with acute liver allograft rejection: resolution following hepatic retransplantation. Matuschak GM, et al. **Crit Care Med** 1987 Sep;15(9):878–81

Comparison of paracentesis and diuretics in the treatment of cirrhotics with tense ascites. Results of a randomized study. Ginés P, et al. **Gastroenterology** 1987 Aug; 93(2):234–41

Therapeutic paracentesis. Have we come full circle? [editorial] Reynolds TB. **Gastroenterology** 1987 Aug; 93(2):386–8

Treatment of ascites in patients with cirrhosis of the liver. Arroyo V, et al. **Intensive Care Med** 1987;13(3):154–61

Hepatic assist device, using membrane plasma separator and dialyzer. Yamazaki Z, et al. **Med Prog Technol** 1987; 12(1–2):17–24

Management of patients with cirrhosis and ascites. Arroyo V, et al. **Semin Liver Dis** 1986 Nov;6(4):353–69 (168 ref.)

Pediatric liver transplantation: Cambridge/King's series, December 1983 to August 1986. Pett S, et al. **Transplant Proc** 1987 Aug;19(4):3256–60

[Subtotal splenectomy in liver cirrhosis] Zheng YJ, et al. **Chung Hua I Hsueh Tsa Chih** 1986 Jun;66(6):369–70 **(Chi)**

[Experiences in the anastomosis of the thoracic duct and internal jugular vein] Xie YZ, et al. **Chung Hua Wai Ko Tsa Chih** 1987 Feb;25(2):101–2, 126–7 (Eng. Abstr.) **(Chi)**

[Embolization of the splenic artery in liver cirrhosis with portal hypertension and splenomegaly] Nazyrov FG, et al. **Vestn Khir** 1986 Aug;137(8):38–42 (Eng. Abstr.) **(Rus)**

URINE

Clinical and hormonal conditions associated with sodium retention in cirrhotic patients with ascites. Evaluation by univariate and multivariate analyses. Gentile S, et al. **Dig Dis Sci** 1987 Jun;32(6):569–76

Effect of spironolactone on renal prostaglandin excretion in patients with liver cirrhosis and ascites. Medina JF, et al. **J Hepatol** 1986;3(2):206–11

[Clinical significance of urinary bile alcohol analysis in patients with liver cirrhosis and acute hepatitis] Hiraoka T. **Nippon Shokakibyo Gakkai Zasshi** 1987 Apr;84(4):944 **(Jpn)**

VETERINARY

Proliferative glomerulonephritis and chronic active hepatitis with cirrhosis associated with Corynebacterium parvum immunotherapy in a dog. Leifer CE, et al. **J Am Vet Med Assoc** 1987 Jan 1;190(1):78–80

Persistent hepatitis and chronic fibrosis induced by canine acidophil cell hepatitis virus. Jarrett WF, et al. **Vet Rec** 1987 Mar 7;120(10):234–5

LIVER CIRRHOSIS, ALCOHOLIC

BLOOD

Androgens and oestrogens before and following oral testosterone administration in male patients with and without alcoholic cirrhosis. Gluud C, et al. **Acta Endocrinol (Copenh)** 1987 Jul;115(3):385–91

Cholinergic mediation of growth hormone secretion induced by thyrotropin-releasing hormone in cirrhotic patients. Volpi R, et al. **Acta Endocrinol (Copenh)** 1987 Apr; 114(4):603–8

Effect of ethanol challenge on serum glycoproteins in alcoholic and non-alcoholic liver disease. Cobden I, et al. **Alcohol Alcohol** 1987;22(3):257–63

Pharmacokinetics of unchanged morphine in normal and cirrhotic subjects. Mazoit JX, et al. **Anesth Analg** 1987 Apr; 66(4):293–8

Alcohol consumption and hepatic fibrosis affect the fatty acid composition of red blood cells and their susceptibility to lipid peroxidation. Clemens MR, et al. **Arch Toxicol** 1987; 60(1–3):167–9

Des-gamma-carboxyprothrombin assay in alcoholic cirrhotic patients with alpha-fetoprotein level slightly increased [letter] Lefrere JJ, et al. **Hepatology** 1986 Sep–Oct; 6(5):1066–7

Endotoxemia in patients with alcoholic and non-alcoholic cirrhosis and in subjects with no evidence of chronic liver disease following acute alcohol excess. Bode C, et al. **J Hepatol** 1987 Feb;4(1):8–14

Serum testosterone concentrations in men with alcoholic cirrhosis: background for variation. Gluud C. **Metabolism** 1987 Apr;36(4):373–8

Impaired early insulin response to intravenous glucose in alcoholic liver cirrhosis. Magnússon J, et al. **Scand J Gastroenterol** 1987 Apr;22(3):301–7

[Hyperammonemia induced by propranolol in cirrhotic patients. Role of the kidney and influence of the severity of the cirrhosis] Doffoël M, et al. **Gastroenterol Clin Biol** 1987 Feb;11(2):123–7 (Eng. Abstr.) **(Fre)**

[Effects of discontinuous intravenous infusion of ramified amino acids on blood insulin, blood glucagon and protein metabolism in cirrhotic patients after 10 days. Results of a controlled comparative study with sorbitol] Doffoel M, et al. **Rev Med Interne** 1987 May–Jun;8(3):276–82 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Studies on the pathogenesis of hepatocellular carcinoma in HBV-negative alcoholic cirrhotics. Nonomura A, et al. **Acta Pathol Jpn** 1986 Sep;36(9):1297–305

Vitiligo and alcoholic liver cirrhosis [letter] Cirasino L, et al. **Am J Gastroenterol** 1987 Apr;82(4):393–4

Natural history of cholelithiasis in patients with alcoholic cirrhosis (cholelithiasis in cirrhotic patients). Dunnington G, et al. **Ann Surg** 1987 Mar;205(3):226–9

Results of esophagogastrectomy for carcinoma in cirrhotic patients. A series of 23 consecutive patients. Fekete F, et al. **Ann Surg** 1987 Jul;206(1):74–8

Acute renal failure in cirrhosis associated with macroscopic hematuria of glomerular origin. Praga M, et al. **Arch Intern Med** 1987 Jan;147(1):173–4

Duodenal perforation and hemorrhage complicating cirrhosis. Bogardus GM. **Arch Surg** 1968 Feb;96(2):263–5

Hypoxemia due to pulmonary vascular shunts in cirrhosis. Rivera JV, et al. **Bol Asoc Med PR** 1986 Oct;78(10):437–8

Role of vagal neuropathy in the hyponatraemia of alcoholic cirrhosis. Decaux G, et al. **Br Med J [Clin Res]** 1986 Dec 13;293(6561):1534–6

Possible deleterious hemodynamic effect of nifedipine on portal hypertension in patients with cirrhosis. Koshy A, et al. **Clin Pharmacol Ther** 1987 Sep;42(3):295–8

Phlegmonous gastritis and Hemophilus influenzae peritonitis in a patient with alcoholic liver disease. Tierney LM Jr, et al. **Dig Dis Sci** 1987 Jan;32(1):97–101

Fatal bacterial peritonitis secondary to nonobstructive colonic dilatation (Ogilvie's syndrome) in cirrhotic ascites. Runyon BA. **J Clin Gastroenterol** 1986 Dec;8(6):687–9

Serratia plymuthica sepsis associated with infection of central venous catheter. Horowitz HW, et al. **J Clin Microbiol** 1987 Aug;25(8):1562–3

Gastro-oesophageal reflux and alcoholic cirrhosis. A reappraisal. Arsene D, et al. **J Hepatol** 1987 Apr;4(2):250–8

Effects of isosorbide dinitrate on portal hypertension in alcoholic cirrhosis. Merkel C, et al. **J Hepatol** 1987 Apr; 4(2):174–80

Bleeding varices located in the second portion of the duodenum. Sukigara M, et al. **Jpn J Surg** 1987 Mar; 17(2):130–5

Pericardial friction rubs in hepatorenal failure [letter] Haskell LP, et al. **Lancet** 1987 Jan 3;1(8523):52

Membranoproliferative glomerulonephritis with IgA deposits in patients with alcoholic cirrhosis. Ferrario G, et al. **Pathologica** 1986 Jul–Aug;78(1056):469–78

Alcoholic cirrhosis and hemochromatosis: two case reports and review of the literature. Horning JR, et al. **SD J Med** 1987 Jun;40(6):15–9

[Cutaneous manifestations of zinc deficiency in ethylic cirrhosis] Gaveau D, et al. **Ann Dermatol Venereol** 1987; 114(1):39–53 (Eng. Abstr.) **(Fre)**

[Association of bacterial endocarditis and alcoholic cirrhosis in 9 patients] Vilde JL, et al. **Ann Med Interne (Paris)** 1986; 137(8):652–5 (Eng. Abstr.) **(Fre)**

[Prognosis of acute viral hepatitis in patients with alcoholic cirrhosis] Pelletier G, et al. **Gastroenterol Clin Biol** 1987 May;11(5):409–11 (Eng. Abstr.) **(Fre)**

[Spontaneous rupture of an hepatocarcinoma on a cirrhotic liver (letter)] Carpentier E, et al. **J Chir (Paris)** 1987 Jan; 124(1):59 **(Fre)**

[Andrological abnormalities in internal diseases and following drug therapy] Szarvas F. **Andrologia** 1987 Jun;19 Spec No:284–9 (Eng. Abstr.) **(Ger)**

[Multiple symmetrical lipomatosis associated with hepatic cirrhosis and alcoholism. An etiopathological relation? (letter)] Simó M, et al. **Med Clin (Barc)** 1986 Nov 8; 87(15):649–50 **(Spa)**

[Abdominal varices in computerized axial tomography] Garza Trasobares E, et al. **Rev Esp Enferm Apar Dig** 1987 Jan;71(1):57–8 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Influence of pathological state on the acoustic attenuation coefficient slope of liver. Afschrift M, et al. **Ultrasound Med Biol** 1987 Mar;13(3):135–9

DRUG THERAPY

No effect of long-term oral testosterone treatment on liver morphology in men with alcoholic cirrhosis. Gluud C, et al. **Am J Gastroenterol** 1987 Jul;82(7):660–4

Testosterone treatment of men with alcoholic cirrhosis: a double-blind study. The Copenhagen Study Group for Liver Diseases. **Hepatology** 1986 Sep–Oct;6(5):807–13

Reversal of adrenaline-induced increase in azygos blood flow in patients with cirrhosis receiving propranolol. Valla D, et al. **J Hepatol** 1987 Feb;4(1):86–92

Readministration of spironolactone in the spironolactone-intolerant patient. Greenberger PA, et al. **New Engl Reg Allergy Proc** 1986 Jul–Aug;7(4):343–5

ENZYMOLOGY

The influence of hepatic insufficiency due to alcoholic cirrhosis on the erythrocyte transketolase activity (ETKA). Graudal N, et al. **Liver** 1987 Apr;7(2):91–5

[Serum activity of gamma-glutamyltranspeptidase, adult and fetal forms in patients with compensated and decompensated forms of alcoholic cirrhosis] Pereira AA, et al. **AMB** 1986 Jan–Feb;32(1–2):7–10 (Eng. Abstr.) **(Por)**

ETIOLOGY

Ethanol-induced hepatic fibrosis in the rat: role of the amount of dietary fat. French SW, et al. **Alcoholism (NY)** 1986;10(6 Suppl):13S–19S

Alcohol consumption and the risk of alcohol related cirrhosis in women. Norton R, et al. **Br Med J [Clin Res]** 1987 Jul 11;295(6590):80–2

[From alcohol to cirrhosis] Lieber CS. **Presse Med** 1986 Dec 13;15(44):2187–9 **(Fre)**

[Liver fibrosis and alcohol] Rodés J, et al. **Rev Clin Esp** 1986 Jul;179(3):111–4 **(Spa)**

IMMUNOLOGY

T cells from patients with chronic liver diseases: abnormalities in PHA-induced expression of HLA class II antigens and in autologous mixed-lymphocyte reactions. Scudeletti M, et al. **Cell Immunol** 1986 Oct 1;102(1):227–33

Cell-mediated immunity in alcoholic liver cirrhosis. Ruibal Ares B, et al. **Medicina (B Aires)** 1987;47(1):27–32

[Vaccination against hepatitis B virus and alcoholic cirrhosis] Degos F, et al. **Gastroenterol Clin Biol** 1986 Oct; 10(10):629–32 **(Fre)**

[Does oral zinc improve the cellular immunity of patients with alcoholic cirrhosis?] Labadie H, et al. **Gastroenterol Clin Biol** 1986 Dec;10(12):799–803 (Eng. Abstr.) **(Fre)**

[Serum levels of IgE in liver cirrhosis] Cirasino L, et al. **Boll Ist Sieroter Milan** 1987;66(1):59–65 (Eng. Abstr.) **(Ita)**

[Changes in cellular immunity, nutritional status and zinc deficiency in alcoholic liver cirrhosis] Rodríguez Félix L, et al. **Rev Clin Esp** 1987 May;180(9):496–501 (Eng. Abstr.) **(Spa)**

[Study of E rosettes and skin tests in patients with alcoholic liver cirrhosis and their changes induced by blood factors] de Miguel F, et al. **Rev Esp Enferm Apar Dig** 1987 May; 71(5):399–401 (Eng. Abstr.) **(Spa)**

METABOLISM

Renin, aldosterone, urinary sodium and weight change in cirrhotic patients with ascites and sodium restriction. Rocha MP, et al. **Acta Med Port** 1986 Jul–Aug;7(4):157–60

Effect of modifying the rate of digestion of a food on the blood glucose, amino acid, and endocrine responses in patients with cirrhosis. Jenkins DJ, et al. **Am J Gastroenterol** 1987 Mar;82(3):223–30

Beta 2-microglobulin in liver cirrhosis: study of a local synthesis in ascitic fluid. Bories PN, et al. **Biomed Pharmacother** 1987;41(1):44–7

Endogenous prostaglandin E2 in gastric mucosa of patients with alcoholic cirrhosis and portal hypertension. Arakawa T, et al. **Gastroenterology** 1987 Jul;93(1):135–40

Hepatic uptake of sex steroids in men with alcoholic cirrhosis. Guechot J, et al. **Gastroenterology** 1987 Jan;92(1):203–7

Hemodynamic effects of a clonidine-induced decrease in sympathetic tone in patients with cirrhosis. Moreau R, et al. **Hepatology** 1987 Jan–Feb;7(1):149–54

Ranitidine disposition in severe hepatic cirrhosis. Gonzalez-Martin G, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Mar;25(3):139–42

Splanchnic and leg exchange of free fatty acids in patients with liver cirrhosis. Merli M, et al. **J Hepatol** 1986; 3(3):348–55

[Liver diseases and glycoregulation] Guillon J, et al. **Acta Gastroenterol Belg** 1986 Mar–Apr;49(2):212–21 (Eng. Abstr.) **(Fre)**

[Malabsorption in alcoholic cirrhosis] Baumer P, et al. **Ann Gastroenterol Hepatol (Paris)** 1986 Dec;22(7):379–83 (Eng. Abstr.) **(Fre)**

[Zinc deficiency in alcoholic cirrhosis] Labadie H, et al. **Presse Med** 1986 Oct 25;15(37):1849–50 **(Fre)**

MORTALITY

The abolition of the Swedish alcohol rationing system: effects

on consumption distribution and cirrhosis mortality. Norström T. **Br J Addict** 1987 Jun;82(6):633–41

The impact of per capita consumption on Swedish cirrhosis mortality. Norström T. **Br J Addict** 1987 Jan;82(1):67–75

Decline in alcohol-related in-patient care and mortality in Stockholm County. Romelsjö A. **Br J Addict** 1987 Jun; 82(6):653–63

Alcohol and death certification: a survey of current practice and attitudes. Bell G, et al. **Br Med J [Clin Res]** 1987 Jul 11;295(6590):95

Prognosis of alcoholic cirrhosis in the presence and absence of alcoholic hepatitis. Orrego H, et al. **Gastroenterology** 1987 Jan;92(1):208–14

Mortality from alcohol related disease in Italy. La Vecchia C, et al. **J Epidemiol Community Health** 1986 Sep; 40(3):257–61

[Mortality and morbidity due to alcoholism] Massé H, et al. **Biomed Pharmacother** 1987;41(2):62–9 (Eng. Abstr.) **(Fre)**

[Alcoholism and risk factors] Massé H, et al. **Biomed Pharmacother** 1987;41(2):69–74 (Eng. Abstr.) **(Fre)**

[Multidimensional analysis by Cox's model of the survival of patients with alcoholic cirrhosis] Pignon JP, et al. **Gastroenterol Clin Biol** 1986 Jun–Jul;10(6–7):461–7 (Eng. Abstr.) **(Fre)**

[Does the size of esophageal varices have a prognostic significance in alcoholic cirrhosis?] Poupon RE, et al. **Gastroenterol Clin Biol** 1987 Feb;11(2):119–22 (Eng. Abstr.) **(Fre)**

[Hepatic cirrhosis mortality, production and cost of wine in Chile, 1950–1982] López Claros A. **Bol Of Sanit Panam** 1987 Apr;102(4):346–58 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Changes in the connective tissue and decrease in the number of mast cells in the testes of men with alcoholic and non-alcoholic cirrhosis. Nistal M, et al. **Acta Morphol Hung** 1986;34(1–2):107–15

Pulmonary cytoplasmic hyalin resembling Mallory's alcoholic hyalin in the liver. Nonomura A, et al. **Acta Pathol Jpn** 1986 Jun;36(6):869–78

Cytoskeletal pathology induced by ethanol. French SW, et al. **Ann NY Acad Sci** 1987;492:262–76

Hepatocyte and nuclear areas in alcoholic liver cirrhosis: their relationship with the size of the nodules and the degree of fibrosis. González-Reimers CE, et al. **Drug Alcohol Depend** 1987 Jul;19(4):357–62

Influence of ethanol on development of hyperplastic nodules in alcoholic men with micronodular cirrhosis. Gluud C, et al. **Gastroenterology** 1987 Aug;93(2):256–60

Ethanol-induced liver fibrosis in rats fed high fat diet. Tsukamoto H, et al. **Hepatology** 1986 Sep–Oct;6(5):814–22

In vitro formation of fibrous septa by liver connective tissue cells. Monteiro AN, et al. **In Vitro Cell Dev Biol** 1987 Jan; 23(1):10–4

Megamitochondria as a diagnostic marker for alcohol induced centrilobular and periportal fibrosis in the liver. Junge J, et al. **Virchows Arch [A]** 1987;410(6):553–8

[Do Mallory bodies have a prognostic value in patients with alcoholic cirrhosis treated by portal disconnection of the esophagus with a clip for rupture of esophageal varices? (letter)] Feneyrou B, et al. **Gastroenterol Clin Biol** 1987 Jan;11(1):101–2 **(Fre)**

PHYSIOPATHOLOGY

Effects of nonsteroidal antiinflammatory drugs on renal function in patients with renal insufficiency and in cirrhotics. Brater DC, et al. **Am J Kidney Dis** 1986 Nov; 8(5):351–5

Unpredictability of clinical evaluation of renal function in cirrhosis. Prospective study. Papadakis MA, et al. **Am J Med** 1987 May;82(5):945–52

Hypermetabolic state, hepatocyte expansion, and liver blood flow: an interaction triad in alcoholic liver injury. Israel Y, et al. **Ann NY Acad Sci** 1987;492:303–23 (222 ref.)

Comparative sensitivity of serum cholylglycine concentration and bromsulphalein retention in patients with early and late alcoholic liver disease. Barnes P, et al. **Aust NZ J Med** 1986 Dec;16(6):785–7

Haemodynamic response to exercise in patients with alcoholic liver cirrhosis. Kelbaek H, et al. **Clin Physiol** 1987 Feb;7(1):35–41

Hemodynamic evaluation of isosorbide dinitrate in alcoholic cirrhosis. Pharmacokinetic–hemodynamic interactions. Blei AT, et al. **Gastroenterology** 1987 Sep;93(3):576–83

Beneficial hemodynamic effects of ketanserin in patients with cirrhosis: possible role of serotonergic mechanisms in portal hypertension. Hadengue A, et al. **Hepatology** 1987 Jul–Aug; 7(4):644–7

Acute and chronic hemodynamic effects of propranolol in unselected cirrhotic patients. Vorobioff J, et al. **Hepatology** 1987 Jul–Aug;7(4):648–53

Effects of captopril on renal function in patients with cirrhosis and ascites. Daskalopoulos G, et al. **J Hepatol** 1987 Jun;4(3):330–6

Liver haemodynamics and function in alcoholic cirrhosis. Relation to testosterone treatment and ethanol consumption. Gluud C, et al. **J Hepatol** 1987 Apr; 4(2):168–73

Factors determining renal response to water immersion in non-excretor cirrhotic patients. Nicholls KM, et al. **Kidney Int** 1986 Sep;30(3):417–21

Sympathetic tone modulates portal venous pressure in alcoholic cirrhosis. Willett IR, et al. **Lancet** 1986 Oct 25; 2(8513):939–43

Hepatic venous oxygen content in alcoholic cirrhosis and non-cirrhotic alcoholic liver disease. Bendtsen F, et al. **Liver** 1987 Jun;7(3):176–81

[Functional and morphological changes in the small intestine of patients with alcoholic liver cirrhosis] Danev I, et al. **Vutr Boles** 1986;25(5):60–2 **(Bul)**

[Hepatic cirrhosis caused by alcohol: normalization of the functional parameters after prolonged abstinence] Petrella V, et al. **Minerva Med** 1987 Jan 31;78(2):89–92 (Eng. Abstr.) **(Ita)**

[Functional blood platelet changes in alcoholic cirrhosis] Apraiz L, et al. **Rev Esp Enferm Apar Dig** 1987 May; 71(5):395–8 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Hepatoprotection by malotilate against carbon tetrachloride–alcohol-induced liver fibrosis. Siegers CP, et al. **Agents Actions** 1986 Aug;18(5–6):600–3

RADIONUCLIDE IMAGING

Hepatic cirrhosis in a patient with total situs inversus. Unique findings on liver–spleen imaging [corrected and republished article originally printed in Clin Nucl Med 1986 Oct;11(10):726–7] Kuhn MJ, et al. **Clin Nucl Med** 1987 Mar; 12(3):243–4

Liver scintiscanning as a screening test in the detection of alcoholic cirrhosis [letter] Arkles LB. **Nucl Med Commun** 1986 Dec;7(12):915

[Thallium scintigraphy. Its usefulness in the follow-up of alcoholic cirrhosis] Urbain D, et al. **Acta Gastroenterol Belg** 1986 Sep–Oct;49(5):507–11 (Eng. Abstr.) **(Fre)**

THERAPY

[Conditions for functioning of an effective peritoneo-jugular shunt. Doppler infrared thermographic study] Didelon JL, et al. **Ann Gastroenterol Hepatol (Paris)** 1987 Mar–Apr; 23(2):71–4 (Eng. Abstr.) **(Fre)**

LIVER CIRRHOSIS, BILIARY

Primary biliary cirrhosis. Kaplan MM. **Adv Intern Med** 1987; 32:359–77 (96 ref.)

Primary biliary cirrhosis. Kaplan MM. **N Engl J Med** 1987 Feb 26;316(9):521–8 (124 ref.)

BLOOD

An immunohistochemical and serum ELISA study of type I and III procollagen aminopropeptides in primary biliary cirrhosis. Davis BH, et al. **Am J Pathol** 1987 Aug; 128(2):265–75

Serum octadeca-9–11 dienoic acid concentrations in primary biliary cirrhosis [letter] Braganza JM, et al. **Lancet** 1987 Apr 25;1(8539):987

Paraproteins in primary biliary cirrhosis. Hendrick AM, et al. **Q J Med** 1986 Jul;60(231):681–4

[Elevated alpha-fetoprotein in primary biliary cirrhosis (letter)] Carnicer Jáuregui F, et al. **Rev Esp Enferm Apar Dig** 1987 May;71(5):452–3 **(Spa)**

CHEMICALLY INDUCED

Sclerosing cholangitis from intraarterial floxuridine. Dikengil A, et al. **J Clin Gastroenterol** 1986 Dec;8(6):690–3

COMPLICATIONS

Hypertrophic osteoarthropathy related to end stage cholestatic cirrhosis: reversal after liver transplantation. Huaux JP, et al. **Ann Rheum Dis** 1987 Apr;46(4):342–5

Primary biliary cirrhosis and CREST-syndrome, a classical but rare association [letter] Eeckhout E, et al. **Clin Exp Rheumatol** 1987 Apr–Jun;5(2):190–2

Immune deficiency and primary biliary cirrhosis [letter] Bettan L, et al. **Gastroenterology** 1987 Jan;92(1):270

Selective IgA deficiency and primary biliary cirrhosis [letter] Logan RF. **Gastroenterology** 1987 Jan;92(1):270

A case of primary biliary cirrhosis associated with generalized morphea. Suyama Y, et al. **Hepatogastroenterology** 1986 Oct;33(5):199–200

Renal tubular acidosis in association with Sjögren's syndrome, primary biliary cirrhosis and coeliac disease. Whitehead EM, et al. **Ir J Med Sci** 1987 Apr;156(4):124–5

Porokeratosis in primary biliary cirrhosis during plasmapheresis [letter] Venencie PY, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):709–10

Hyperparathyroidism and low serum osteocalcin despite vitamin D replacement in primary biliary cirrhosis. Fonseca V, et al. **J Clin Endocrinol Metab** 1987 May;64(5):873–7

Vitamin E deficiency and its clinical significance in adults with primary biliary cirrhosis and other forms of chronic liver disease. Jeffrey GP, et al. **J Hepatol** 1987 Jun; 4(3):307–17

[Primary biliary cirrhosis associated with autoimmune thrombopenic purpura and pleuropericarditis (letter)] Calès P, et al. **Gastroenterol Clin Biol** 1987 Jun–Jul;11(6–7):518 **(Fre)**

[Nodular regenerative hyperplasia of the liver and primary biliary cirrhosis. A fortuitous association?] Chazouillères O, et al. **Gastroenterol Clin Biol** 1986 Nov;10(11):764–6 (Eng. Abstr.) **(Fre)**

[Association of primary biliary liver cirrhosis with sarcoidosis—separate diseases or a new nosological entity?] Ormann W. **Dtsch Med Wochenschr** 1987 Jul 3; 112(27):1082–5 (Eng. Abstr.) **(Ger)**

[Primary biliary liver cirrhosis and granulomatous pulmonary infiltrates] Hoffmann R, et al. **Schweiz Med Wochenschr** 1986 Aug 16;116(33):1098–102 (Eng. Abstr.) **(Ger)**

[Reynolds syndrome. First Italian epidemiologic data] Sala F, et al. **G Ital Dermatol Venereol** 1986 Jul–Aug; 121(4):265–8 (Eng. Abstr.) **(Ita)**

[A case of asymptomatic primary biliary cirrhosis associated with multiple myeloma and atrophic thyroiditis] Washio M, et al. **Nippon Naika Gakkai Zasshi** 1987 Apr; 76(4):528–32 **(Jpn)**

[A patient with asymptomatic primary biliary cirrhosis in association with Sjögren syndrome developing features of systemic lupus erythematosus] Seki S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov;83(11):2445–9 **(Jpn)**

[A case of coexistence of interstitial pulmonary fibrosis and primary biliary cirrhosis] Izdebska-Makosa Z. **Pneumonol Pol** 1986 Jun;54(6):255–9 (Eng. Abstr.) **(Pol)**

[Retroperitoneal and mesenteric adenopathies associated with primary biliary cirrhosis (letter)] Molina Boix M, et al. **Med Clin (Barc)** 1987 May 9;88(18):740–1 **(Spa)**

[Systemic manifestations in primary biliary cirrhosis] Moreno Sánchez D, et al. **Med Clin (Barc)** 1986 Sep 13;87(7):265–70 (Eng. Abstr.) **(Spa)**

[Systemic manifestations of primary biliary cirrhosis (letter)] Villabona CM, et al. **Med Clin (Barc)** 1987 Jun 20;89(4):172 **(Spa)**

[Primary biliary cirrhosis, CRST syndrome and Sjögren's syndrome. An uncommon association (letter)] Borda F, et al. **Rev Esp Enferm Apar Dig** 1987 Feb;71(2):177–8 **(Spa)**

DIAGNOSIS

Chronic cholestasis in hepatic sarcoidosis with clinical features resembling primary biliary cirrhosis. Report of two cases. Pereira-Lima J, et al. **Am J Med** 1987 Jul;83(1):144–8

Diversity of autoantibodies in patients with antimitochondrial antibody and their diagnostic value. McMillan SA, et al. **J Clin Pathol** 1987 Feb;40(2):232–6

Kveim test and mitochondrial antibodies in the differential diagnosis between primary biliary cirrhosis and sarcoidosis. Eklund A, et al. **Sarcoidosis** 1985 Mar;2(1):38–41

[Asymptomatic forms of primary biliary cirrhosis seen in 10 years in Picardie] Sevenet F, et al. **Presse Med** 1986 Nov 8;15(39):1957–60 (Eng. Abstr.) **(Fre)**

[Atypical primary biliary cirrhosis. Apropos of 5 cases] Deflandre J, et al. **Rev Med Liege** 1986 Aug 1–15; 41(15–16):602–6 **(Fre)**

[Autoimmune liver diseases. Diagnosis, prognosis and therapy] Berg PA, et al. **Lebensversicherungsmedizin** 1987 Jan 1;39(1):2–10 (Eng. Abstr.) **(Ger)**

[Primary biliary cirrhosis. Clinical aspects, serology and prognosis] Klein R, et al. **Med Klin** 1986 Apr 25;81(9):320–6 **(Ger)**

[Experience in the diagnosis and treatment of primary biliary liver cirrhosis] Salupere VP, et al. **Ter Arkh** 1987; 59(2):112–4 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Randomized trial of chlorambucil for primary biliary cirrhosis. Hoofnagle JH, et al. **Gastroenterology** 1986 Dec; 91(6):1327–34

Another treatment for primary biliary cirrhosis [editorial] Kaplan MM. **Gastroenterology** 1987 Jan;92(1):255–7

Another treatment for primary biliary cirrhosis [letter] Warnes TW, et al. **Gastroenterology** 1987 Sep;93(3):664–5

Ursodeoxycholic acid for primary biliary cirrhosis [letter] Hofmann AF, et al. **Lancet** 1987 Aug 15;2(8555):398–9

Treatment of primary biliary cirrhosis and cholestatic disorders with ursodeoxycholic acid [letter] Leuschner U, et al. **Lancet** 1987 Aug 29;2(8557):508

Is ursodeoxycholic acid an effective treatment for primary biliary cirrhosis? Poupon R, et al. **Lancet** 1987 Apr 11; 1(8537):834–6

A prospective trial of colchicine for primary biliary cirrhosis. Kaplan MM, et al. **N Engl J Med** 1986 Dec 4; 315(23):1448–54

[Are there new aspects in the therapy of primary biliary cirrhosis?] Möri M. **Leber Magen Darm** 1986 Nov; 16(6):338–43 **(Ger)**

ENZYMOLOGY

Raised alkaline phosphatase in rheumatoid arthritis: primary biliary cirrhosis? [letter] Kantharia BK, et al. **Br J Rheumatol** 1987 Aug;26(4):313–4

Effect of estradiol upon serum enzymes in primary biliary cirrhosis. Guattery JM, et al. **Hepatology** 1987 Jul–Aug; 7(4):737–42

ETIOLOGY

Primary biliary cirrhosis and ulcerative colitis. Bush A, et al. **Gastroenterology** 1987 Jun;92(6):2009–13

Selenium in primary biliary cirrhosis [letter] Thuluvath PJ, et al. **Lancet** 1987 Jul 25;2(8552):219

[Primary biliary cirrhosis, a multisystemic disease?] Rodés J, et al. **Med Clin (Barc)** 1986 Sep 13;87(7):285–7 **(Spa)**

FAMILIAL & GENETIC

A major histocompatibility complex class III allotype (C4B 2) associated with primary biliary cirrhosis (PBC). Briggs DC, et al. **Tissue Antigens** 1987 Mar;29(3):141–5

[Primary biliary cirrhosis in two sisters] Tsuji H, et al. **Nippon Naika Gakkai Zasshi** 1987 Apr;76(4):522–7 **(Jpn)**

IMMUNOLOGY

Immunoglobulin G subclass distribution of autoantibodies in systemic sclerosis, primary biliary cirrhosis, and overlap syndromes. French MA, et al. **Ann Rheum Dis** 1987 Jun; 46(6):436–40

Discrimination between M2 and M4 antimitochondrial antibodies in primary biliary cirrhosis. Ghadiminejad I, et al. **Biosci Rep** 1986 Dec;6(12):1049–56

Anti–DNA antibody idiotypes in primary biliary cirrhosis. Schattner A, et al. **Cell Immunol** 1987 Jan;104(1):37–46

T cells from patients with chronic liver diseases: abnormalities in PHA–induced expression of HLA class II antigens and in autologous mixed–lymphocyte reactions. Scudeletti M, et al. **Cell Immunol** 1986 Oct 1;102(1):227–33

Neutrophil phagocytic and bactericidal function in primary biliary cirrhosis and other chronic liver diseases. De Fernandez MA, et al. **Clin Exp Immunol** 1987 Mar; 67(3):655–61

Primary biliary cirrhosis: assessment of the quantitative importance of the adenine nucleotide translocator protein as a major mitochondrial antigen. Mendel–Hartvig I, et al. **Clin Exp Immunol** 1986 Nov;66(2):399–405

Characterization of primary biliary cirrhosis (PBC) specific mitochondrial determinants by immunoblotting. Manns M, et al. **Dtsch Z Verdau Stoffwechselkr** 1987;47(2):59–66

The in vitro production of antibodies to mitochondrial antigens by peripheral blood mononuclear cells from patients with primary biliary cirrhosis. Avigan MI, et al. **Hepatology** 1986 Sep–Oct;6(5):999–1004

Evidence for the cell–surface localization of antigens cross–reacting with the "mitochondrial antibodies" of primary biliary cirrhosis. Ghadiminejad I, et al. **Hepatology** 1987 Jul–Aug;7(4):743–9

Subtypes of antimitochondrial antibodies in primary biliary cirrhosis before and after orthotopic liver transplantation. Haagsma EB, et al. **Hepatology** 1987 Jan–Feb;7(1):129–33

Reactivities and clinical relevance of antimitochondrial antibodies to four mitochondrial inner membrane proteins in sera of patients with primary biliary cirrhosis. Ishii H, et al. **Hepatology** 1987 Jan–Feb;7(1):134–6

Positive antimitochondrial antibody but normal alkaline phosphatase: is this primary biliary cirrhosis? Mitchison HC, et al. **Hepatology** 1986 Nov–Dec;6(6):1279–84

Immunological effects of ciclosporin in primary biliary cirrhosis: suppression of activated T cells and autoantibody levels. Karlsson–Parra A, et al. **Int Arch Allergy Appl Immunol** 1987;83(3):256–64

Primary biliary cirrhosis: antigenic specificity of IgM–type mitochondrial antibodies analyzed by immunoblotting and ELISA. Mendel–Hartvig I, et al. **Int Arch Allergy Appl Immunol** 1987;83(3):265–70

Reaction pattern of mitochondrial antibodies of primary biliary cirrhosis (PBC) is species specific but not organ specific. Ghadiminejad I, et al. **J Bioenerg Biomembr** 1987 Jun;19(3):239–53

Immune dysfunction in primary biliary cirrhosis (PBC): I. Increased sensitivity of PHA stimulated lymphocyte cultures to indomethacin. Licastro F, et al. **J Clin Lab Immunol** 1987 May;23(1):19–23

Antibody responses to tetanus toxoid in patients with primary biliary cirrhosis. Watmough D, et al. **J Clin Pathol** 1987 Jun;40(6):683–6

Identification and specificity of a cDNA encoding the 70 kd mitochondrial antigen recognized in primary biliary cirrhosis. Gershwin ME, et al. **J Immunol** 1987 May 15; 138(10):3525–31

[Absence of specific IGM of cytomegalovirus, Epstein–Barr virus and hepatitis B virus in patients with primary biliary cirrhosis (letter)] Pateron D, et al. **Gastroenterol Clin Biol** 1987 May;11(5):433–4 **(Fre)**

[A chronic destructive non–suppurative cholangitis–like disease picture with antinuclear antibodies (immunocholangitis)] Brunner G, et al. **Dtsch Med Wochenschr** 1987 Sep 18;112(38):1454–8 (Eng. Abstr.) **(Ger)**

[Is primary biliary cirrhosis a generalized disease of autoimmune type? (clinical conference)] Rodés J, et al. **Med Clin (Barc)** 1987 Feb 21;88(7):292–9 **(Spa)**

METABOLISM

Low bone turnover state in primary biliary cirrhosis. Stellon AJ, et al. **Hepatology** 1987 Jan–Feb;7(1):137–42

OCCURRENCE

Primary biliary cirrhosis in men. Lucey MR, et al. **Gut** 1986 Nov;27(11):1373–6

[Epidemiology of primary biliary cirrhosis in Asturias] Rodrigo Sáez L, et al. **Med Clin (Barc)** 1987 Mar 28; 88(12):486–9 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Nodular hyperplasia of the liver in primary biliary cirrhosis of early histological stages. Nakanuma Y, et al. **Am J Gastroenterol** 1987 Jan;82(1):8–10

Primary biliary cirrhosis. Subclinical inflammatory alveolitis in patients with normal chest roentgenograms. Wallaert B, et al. **Chest** 1986 Dec;90(6):842–8

Interstitial nephritis and primary biliary cirrhosis: a new association? Macdougall IC, et al. **Clin Nephrol** 1987 Jan; 27(1):36–40

Chronic active hepatitis with histological features of primary biliary cirrhosis. Okuno T, et al. **Dig Dis Sci** 1987 Jul; 32(7):775–9

Laparoscopic histopathological analysis of "gentle undulation" findings observed in patients with primary biliary cirrhosis. Onji M, et al. **Endoscopy** 1987 Jan;19(1):17–9

Production of histological changes mimicking primary biliary cirrhosis in rabbits by immunization with bile duct antigen. Seki S, et al. **Gastroenterol Jpn** 1986 Aug;21(4):349–56

Mallory bodies and primary biliary cirrhosis. Yoshioka K, et al. **Trans Assoc Am Physicians** 1986;99:250–7

[Differential diagnosis and staging of chronic nonsuppurative destructive cholangitis in liver biopsies] Kunze KD, et al. **Zentralbl Allg Pathol** 1986;132(3):223–32 (Eng. Abstr.) **(Ger)**

[Glomerular lesions in primary biliary cirrhosis] Koshino Y, et al. **Nippon Jinzo Gakkai Shi** 1986 Oct;28(10):1385–91 (Eng. Abstr.) **(Jpn)**

[A case of asymptomatic primary biliary cirrhosis with granuloma accompanied by giant cell] Shimizu H, et al. **Nippon Naika Gakkai Zasshi** 1986 Aug;75(8):1119–22 **(Jpn)**

PHYSIOPATHOLOGY

Portal hypertension in early–stage primary biliary cirrhosis: a possible explanation [editorial] Arora S, et al. **Am J Gastroenterol** 1987 Jan;82(1):90–1

Primary biliary cirrhosis. Neuberger J. **Dig Dis** 1986; 4(3):162–77 (119 ref.)

The evolution of changes in quantitative liver function tests in a rat model of biliary cirrhosis: correlation with morphometric measurement of hepatocyte mass. Gross JB Jr, et al. **Hepatology** 1987 May–Jun;7(3):457–63

SURGERY

Transplantation of liver, heart, and lungs for primary biliary cirrhosis and primary pulmonary hypertension. Wallwork J, et al. **Lancet** 1987 Jul 25;2(8552):182–5

THERAPY

A combination of phototherapy and cholestyramine for the relief of pruritus in primary biliary cirrhosis. Cerio R, et al. **Br J Dermatol** 1987 Feb;116(2):265–7

LIVER CIRRHOSIS, EXPERIMENTAL

[Morphologic changes in the liver of the rat after ligation of the common bile duct. Model for rapid experimental induction of cirrhosis] Gambella GR, et al. **Patologica** 1985 Sep–Oct;77(1051):511–8 (Eng. Abstr.) **(Ita)**

BLOOD

Changes in the plasma levels of copper, zinc, calcium, magnesium and selenium in thioacetamide induced liver cirrhosis. Dashti H, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:219–22

Insulin resistance and delayed clearance of peptide hormones in cirrhotic rat liver. Shankar TP, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):E772–7

Studies on lipid and lipoprotein metabolism in rat liver cirrhosis induced by different regimens of thioacetamide administration. Zimmermann T, et al. **Exp Pathol** 1986; 30(2):109–17

[Experimental study of intrinsic endotoxemia in liver cirrhotic rats] Aoki H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 May;84(5):1103–9 (Eng. Abstr.) **(Jpn)**

[Study of the response of c–AMP, glucose and free fatty acids to stimulus with glucagon in rats in experimental hepatic cirrhosis] Esteva Díaz F, et al. **Rev Clin Esp** 1987 Apr;180(7):364–7 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Heterogeneity of changes on the disposition of aspirin in rats with CCl4–induced chronic liver damage. Mourelle M, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):3021–5

Increased procollagen mRNA levels in carbon tetrachloride–induced liver fibrosis in rats. Pierce RA, et al. **J Biol Chem** 1987 Feb 5;262(4):1652–8

Kinetic alterations of cytochrome c oxidase in carbon tetrachloride induced cirrhotic rat liver. Tanaka A, et al. **Life Sci** 1987 Aug 10;41(6):741–8

[Experimental study on the functional activity of the reticuloendothelial system after partial hepatectomy in normal and CCL4–induced cirrhotic rats] Segawa T. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct;83(10):2161–73 (Eng. Abstr.) **(Jpn)**

[Fibrosis and cirrhosis in the rabbit induced by diethylstilbestrol and its inhibition with progesterone] Lanari A, et al. **Medicina (B Aires)** 1985;45(2):110–6 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

The action of "REGOPAR" compared with other liver protective drugs in cirrhogenic aggressive chronic hepatitis, experimentally induced by albino rats. Andronescu E, et al. **Arch Roum Pathol Exp Microbiol** 1986 Jul–Dec;45(3–4):275–83

Effect of malotilate on chronic liver injury induced by carbon tetrachloride in the rat. Dumont JM, et al. **J Hepatol** 1986; 3(2):260–8

Anti–fibrotic effect of malotilate on liver fibrosis induced by carbon tetrachloride in rats. Igarashi S, et al. **Jpn J Exp Med** 1986 Oct;56(5):235–45

[Studies on the preventive and therapeutic effects of ursolic acid (UA) on acute hepatic injury in rats] Ma XH, et al. **Yao Hsueh Hsueh Pao** 1986 May;21(5):332–5 (Eng. Abstr.) **(Chi)**

ENZYMOLOGY

Changes in prolinase and prolidase activity during CCl4 administration inducing liver cytolysis and fibrosis in rat. Myara I, et al. **Br J Exp Pathol** 1987 Feb;68(1):7–13

Reduction of apparent indicators of liver cirrhosis in rats by the arachidonate lipoxygenase inhibitor BW755C. Mourelle M, et al. **Eur J Pharmacol** 1987 Feb 10; 134(2):175–80

Impaired androgen 16 alpha–hydroxylation in hepatic microsomes from carbon tetrachloride–cirrhotic male rats. Murray M, et al. **Gastroenterology** 1987 Jul;93(1):141–7

Aminopyrine N–demethylation by rats with liver cirrhosis. Evidence for the intact cell hypothesis. A morphometric–functional study. Reichen J, et al. **Gastroenterology** 1987 Oct;93(4):719–26

Altered regulation of cytochrome P–450 enzymes in choline–deficient cirrhotic male rat liver: impaired regulation and activity of the male–specific androst–4–ene–3,17–dione 16 alpha–hydroxylase, cytochrome P–450UT–A, in hepatic cirrhosis. Murray M, et al. **Mol Pharmacol** 1987 Jan;31(1):117–21

Polyamine biosynthesis and monooxygenase enzyme activity in rat liver cirrhosis and regeneration. Raunio H, et al. **Res Commun Chem Pathol Pharmacol** 1986 Aug; 53(2):159–65

[Extracellular breakdown of collagen as affected by lysosomal enzymes during the involution of liver cirrhosis] Ryvniak VV. **Biull Eksp Biol Med** 1986 Dec;102(12):760–3 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Kupffer cells in liver injury and regeneration. Mayanski DN, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1985; 28(3–5):193–202 (89 ref.)

IMMUNOLOGY

Alteration of thymus and of immune regulatory–antifibroblast factors in acute and chronic hepatic damage. Lie TS, et al. **Res Exp Med (Berl)** 1987;187(3):195–201

METABOLISM

Type I and type III procollagen peptides during hepatic fibrogenesis. An immunohistochemical and ELISA serum study in the CCl4 rat model. Davis BH, et al. **Am J Pathol** 1987 Jan;126(1):137–47

Insulin and glucagon production in experimental cirrhosis. Alwmark A, et al. **Ann Surg** 1987 Jan;205(1):9–12

Kinetics of glycosaminoglycan accumulation in the liver of rats with experimental carbon tetrachloride induced hepatic fibrosis. Kucharz EJ. **Arch Roum Pathol Exp Microbiol** 1986 Apr–Jun;45(2):129–36

Dynamics of collagen accumulation and activity of collagen–degrading enzymes in the liver of rats with carbon tetrachloride–induced hepatic fibrosis. Kucharz EJ. **Connect Tissue Res** 1987;16(2):143–51

Influence of thyroid hormones and methylthiouracil upon elastin content in the liver of rats with carbon tetrachloride–induced hepatic fibrosis. Olczyk K, et al. **Endocrinologie** 1987 Jan–Mar;25(1):3–7

Mechanisms by which acute phase proteins enhance development of liver fibrosis: effects on collagenase and prolyl–4–hydroxylase activity in the rat liver. van Gool J, et al. **Exp Mol Pathol** 1986 Oct;45(2):160–70

Temporal relationship between the impairment of free water excretion and antidiuretic hormone hypersecretion in rats with experimental cirrhosis. Camps J, et al. **Gastroenterology** 1987 Sep;93(3):498–505

Decreased uptake of taurocholate and ouabain by hepatocytes isolated from cirrhotic rat liver. Reichen J, et al. **Hepatology** 1987 Jan–Feb;7(1):67–70

A hepatic fibrogenic factor stimulates the synthesis of types I, III, and V procollagens in cultured cells. Choe I, et al. **J Biol Chem** 1987 Apr 15;262(11):5408–13

Drug metabolizing activity in rats with chronic liver injury induced by carbon tetrachloride: relationship with the content of hydroxyproline in the liver. Okuno H, et al. **Jpn J Pharmacol** 1986 Jul;41(3):363–71

Effect of acetaldehyde on collagen synthesis by fat–storing cells isolated from rats treated with carbon tetrachloride.

Shiratori Y, et al. **Liver** 1986 Aug;6(4):246–51

Locoregional application of 5-fluorouracil to the liver: alteration of pharmacokinetics and bone marrow toxicity in rats with thioacetamide-induced cirrhosis. Aguiar JL, et al. **Toxicol Lett** 1987 Apr;36(2):181–8

[Metabolic derangement of glucose, bile acid and amino acids after portosystemic shunts in cirrhotic rats] Kuang RL, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Dec;24(12):705–10, 779 (Eng. Abstr.) **(Chi)**

PATHOLOGY

Morphogenesis of septa in hepatic fibrosis induced by choline deficiency in rats. Correlation between ito cells, pericellular fibrosis, and septa. Nakano M. **Acta Pathol Jpn** 1986 Nov; 36(11):1643–52

Variation of hepatic fibrosis and granuloma size among mouse strains infected with Schistosoma mansoni. Cheever AW, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):85–97

Isolation and characterization of parenchymal cells from normal and cirrhotic rat liver. Zimmermann T, et al. **Cell Biochem Funct** 1987 Jan;5(1):47–54

Ethanol-induced liver fibrosis in rats fed high fat diet. Tsukamoto H, et al. **Hepatology** 1986 Sep-Oct;6(5):814–22

Scanning electron microscopical study of intrahepatic blood vessels during development of experimental cirrhosis in rats. Shen SL, et al. **J Tongji Med Univ** 1986;6(4):235–40

[Pathophysiological significance of trace metals in rats with experimental liver cirrhosis] Wakiyama K. **Nippon Shokakibyo Gakkai Zasshi** 1987 Jan;84(1):27–35 (Eng. Abstr.) **(Jpn)**

[Mechanisms of collagen resorption during the involution of liver cirrhosis] Ryvniak VV. **Arkh Patol** 1987; 49(2):37–44 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Influence of liver cirrhosis and spontaneous portasystemic shunting on muscle PO2 at rest and work. Heinrich R, et al. **Adv Exp Med Biol** 1986;200:463–5

Experimental liver cirrhosis does not influence reproductive performance of female rats and development of hepatic biotransformation in their offspring. Glöckner R, et al. **Exp Pathol** 1987;31(1):53–7

Changes in blood flow, portal pressure and shunting during the development of cirrhosis in response to beta-blockade. McLaren M, et al. **Gut** 1987 Jun;28(6):663–7

Arteriovenous shunting in experimental liver cirrhosis in rats. Leehey DJ, et al. **J Lab Clin Med** 1987 Jun;109(6):687–91

Alterations in liver blood flow and reticuloendothelial function in progressive cirrhosis in the rat. Goeting NL, et al. **J Nucl Med** 1986 Nov;27(11):1751–4

Effect of portal vein occlusion on liver blood flow in normal and cirrhotic dogs. Hanna SS, et al. **J Surg Res** 1986 Sep; 41(3):293–300

[Efficacy of vagotomy on liver regeneration in the prevention of stress ulcer after partial hepatectomy in the cirrhotic rat] Urakawa T, et al. **Nippon Geka Gakkai Zasshi** 1987 May;88(5):577–83 (Eng. Abstr.) **(Jpn)**

[Regeneration of the cirrhotic remnant liver after partial hepatectomy, especially the relationship between insulin receptors and hepatic regeneration] Morioka H. **Nippon Geka Hokan** 1986 May 1;55(3):403–14 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

[Vascularization between spleen and liver following splenohepatoplasty. Angiographic studies in cirrhotic rats] Lopez Gollonet JM, et al. **Zentralbl Chir** 1987; 112(8):519–24 (Eng. Abstr.) **(Ger)**

SURGERY

Effects of total and selective portasystemic shunting on hepatic haemodynamics and some aspects of liver function in the cirrhotic rat. Jenkins SA, et al. **Clin Exp Pharmacol Physiol** 1986 Sep;13(9):671–80

Plasma atriopeptin before and after peritoneojugular venous shunt for hepatogenic ascites [letter] Witte CL, et al. **N Engl J Med** 1987 Feb 19;316(8):487

[Experimental study on efficacy of cimetidine and 16,16-dm PGE2 to liver regeneration in prevention of stress ulcer after partial hepatectomy in the cirrhotic rat] Matsui S, et al. **Nippon Geka Gakkai Zasshi** 1986 Oct;87(10):1303–12 (Eng. Abstr.) **(Jpn)**

[Experimental study on the development of acute gastric ulcer after hepatectomy in liver cirrhosis—mainly changes in the gastric wall protection mechanism] Takata T, et al. **Nippon Geka Gakkai Zasshi** 1987 Jan;88(1):49–57 (Eng. Abstr.) **(Jpn)**

[Experimental study on mechanism of onset of acute ulcer viewed from blood coagulation and activities of fibrinolysis after hepatectomy in liver cirrhosis] Urakawa T, et al. **Nippon Geka Gakkai Zasshi** 1987 Jun;88(6):727–34 (Eng. Abstr.) **(Jpn)**

LIVER CIRRHOSIS, OBSTRUCTIVE see **LIVER CIRRHOSIS, BILIARY**

LIVER DISEASES

The liver: to know it is to love it. Dobberstein K. **Am J Nurs** 1987 Jan;87(1):74

Abstracts of papers submitted to the American Association for the Study of Liver Disease. **Gastroenterology** 1987 May; 92(5 Pt 2):1713–808

Abstracts of the 21st meeting of the European Association for the Study of the Liver. Groningen, The Netherlands, 3–6 September, 1986. **J Hepatol [Suppl]** 1986;3 Suppl 1:S17–186

Acute hepatic failure after open-heart surgery in children. Sivan Y, et al. **Pediatr Cardiol** 1987;8(2):127–30

Hepatic granulomas. James DG, et al. **Sarcoidosis** 1986 Mar; 3(1):30–3

Hepatobiliary diseases in tropical Africa—the Ibadan experience. Olubuyide IO, et al. **Trop Gastroenterol** 1986 Apr-May;7(2):54–61

[21st meeting of the French Association for the Study of the Liver. Paris, France, 28 November 1986. Abstracts] **Gastroenterol Clin Biol** 1987 Jan;11(1):68–87 **(Fre)**

[22d forum on hepato-gastroenterology research. 11th French-language seminar on hepatology and gastroenterology. 5th national continuing education seminar on hepato-gastroenterology. Paris, 28 February–4 March 1987. Abstracts] **Gastroenterol Clin Biol** 1987;11(2 Pt 2):1A–300A **(Fre)**

[3d meeting of the German Association for the Study of the Liver. 30–31 January 1987, Hannover. Abstracts] **Z Gastroenterol** 1987 Jan;25(1):1–88 **(Ger)**

BLOOD

Influence of thioacetamide-provoked liver injury on female rat blood and alveolar bone under stress. Virtanen P, et al. **Acta Anat (Basel)** 1986;127(4):285–9

Plasma levels of atrial natriuretic peptide in patients with chronic liver disease. Kawasaki H, et al. **Am J Gastroenterol** 1987 Aug;82(8):727–31

Significance of blood lactate levels in critically ill patients with liver disease. Kruse JA, et al. **Am J Med** 1987 Jul; 83(1):77–82

Plasma bile salt levels and liver disease [letter] Cooper GJ. **Ann Clin Biochem** 1986 Jan;23 (Pt 1):109–10

Relationships between blood lead concentration and aminolevulinic acid dehydratase in alcoholics and workers industrially exposed to lead. Bortoli A, et al. **Arch Environ Health** 1986 Jul-Aug;41(4):251–60

C-terminal PTH (70–84) after biliary ligation in rats: implications for the diagnostic importance in hepatobiliary disease. Jüppner H, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):633–6

Pharmacokinetics of isoxicam in hepatic disease. Ferry N, et al. **Br J Clin Pharmacol** 1986;22 Suppl 2:143S–147S

Binding of drugs to sera of patients with renal disease and liver disease. Matsushita Y, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan;35(1):308–14

Lentil-lectin-reactive alpha-fetoprotein in the differential diagnosis of benign and malignant liver disease. Buamah PK, et al. **Clin Chem** 1986 Nov;32(11):2083–4

Are specimens with "at risk" biochemical profiles more likely to be infectious for hepatitis B virus? Burnett L, et al. **Clin Chem** 1986 Oct;32(10):1951–3

Intra-individual variation of analytes in serum from patients with chronic liver diseases. Hölzel WG. **Clin Chem** 1987 Jul;33(7):1133–6

Endogenous digoxin-like immunoreactive substances eliminated from serum samples from patients with liver disease by the EMIT column digoxin assay [letter] Kulaots IA, et al. **Clin Chem** 1987 Aug;33(8):1490–1

Digoxin-like immunoreactive substances and bile acids in the serum of patients with liver disease [letter] Pudek MR, et al. **Clin Chem** 1986 Oct;32(10):2005–6

Clinical utility of Ektachem-determined bilirubin fractions for classifying adult inpatients. Tetrault GA, et al. **Clin Chem** 1987 Sep;33(9):1662–4

Insulin-like growth factors (IGF) in liver disease: differential changes of IGF-I and IGF-II. Sheppard MS, et al. **Clin Invest Med** 1987 Mar;10(2):49–53

Analysis of protein C and protein S in disease states. Esmon NL, et al. **Dev Biol Stand** 1987;67:75–82

Glucose, insulin and C-peptide kinetics during intravenous glucose tolerance test in chronic liver disease. Lee KU, et al. **Diabetes Res Clin Pract** 1987 May-Jun;3(3):161–6

Value of prealbumin plasma levels as liver test. Rondana M, et al. **Digestion** 1987;37(2):72–8

Digoxin-like immunoreactive substance (DLIS) in liver disease: comparison of clinical and laboratory parameters in patients with and without DLIS. Gervais A, et al. **Drug Intell Clin Pharm** 1987 May;21(5):450–2

Protein binding of tolfenamic acid in the plasma from patients with renal and hepatic disease. Lázníček M, et al. **Eur J Clin Pharmacol** 1986;30(5):591–6

Serum trypsin inhibitory activity and alpha-1-antitrypsin level in liver diseases. Miszczuk-Jamska B, et al. **Folia Histochem Cytobiol** 1986;24(2):173–7

Clinical evaluation of serum 3 beta-hydroxy-5-cholenoic acid in hepatobiliary diseases. Sugiyama K, et al. **Gastroenterol Jpn** 1986 Dec;21(6):608–16

Changes in plasma amino acids during the oral glucose tolerance test in hepatic diseases. Hijikata Y, et al. **Hepatogastroenterology** 1987 Feb;34(1):16–8

Placental type isoferritins in chronic liver diseases. Konikoff F, et al. **Hepatogastroenterology** 1987 Apr;34(2):65–7

Prognostic value of preoperatively obtained clinical and laboratory data in predicting survival following orthotopic liver transplantation. Cuervas-Mons V, et al. **Hepatology** 1986 Sep-Oct;6(5):922–7

Elimination of 16-acetyl-gitoxin in patients suffering from impaired liver function. Haustein KO, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Jul;25(7):379–81

Fibrinolytic abnormalities in hepatic disorders. Singh DS, et al. **J Assoc Physicians India** 1986 May;34(5):339–41

Inhibitor of the factor VIIa-tissue factor complex is reduced in patients with disseminated intravascular coagulation but not in patients with severe hepatocellular disease. Bajaj MS, et al. **J Clin Invest** 1987 Jun;79(6):1874–8

Thyroid and pituitary hormone responses to TRH in advanced nonalcoholic liver disease. Van Thiel DH, et al. **J Endocrinol Invest** 1986 Dec;9(6):479–86

Distribution of serum bilirubin conjugates in pediatric hepatobiliary diseases. Rosenthal P, et al. **J Pediatr** 1987 Feb;110(2):201–5

The influence of single or repeated phlebotomy on the physiological condition of normal and diseased rats. Furuhama K, et al. **J Toxicol Sci** 1987 Feb;12(1):1–9

Polycystic kidney and liver disease and corticosterone changes in the cpk mouse. Crocker JF, et al. **Kidney Int** 1987 May;31(5):1088–91

Carbohydrate abnormalities of N-linked plasma glycoproteins in liver disease. Martinéz J, et al. **Lab Invest** 1987 Sep;57(3):240–57 (165 ref.)

Comparison of human and rabbit brain thromboplastin in evaluation of haemostatic defect of liver disease [letter] Kitchen S, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1463

Apolipoprotein A-I in liver disease. Florén CH, et al. **Scand J Gastroenterol** 1987 May;22(4):454–8

Bile acids in clinical practice. Iwamura K. **Trop Gastroenterol** 1987 Jan-Mar;8(1):9–26

Gastrointestinal hormones in alcoholic patients with and without liver disease. Dinsmore WW, et al. **Ulster Med J** 1986 Oct;55(2):140–6

[Serum level of vitamin B12 and folic acid in patients with diffuse liver diseases] Kostadinova I, et al. **Vutr Boles** 1986; 25(5):75–8 **(Bul)**

[Insulin receptors in the peripheral blood mononuclear cells of patients with chronic liver diseases] Mateva L, et al. **Vutr Boles** 1986;25(5):72–5 **(Bul)**

[A preliminary report on plasma fibronectin determination in 80 cases of liver diseases] Li P, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Feb;25(2):82–4, 126 (Eng. Abstr.) **(Chi)**

[Significance of serum ferritin measurement by radioimmunoassay in liver diseases] Wang QL, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Nov;25(11):649–51, 700 (Eng. Abstr.) **(Chi)**

[Evaluation of fasting and postprandial serum bile acid concentrations in hepatobiliary diseases] Cheng TC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Apr;86(4):413–21 (Eng. Abstr.) **(Chi)**

[Changes in plasma binding of ortho-iodobenzoate and ortho-iodohippuran in patients with kidney and liver diseases] Lázníček M, et al. **Cesk Farm** 1987 Apr; 36(3):97–102 (Eng. Abstr.) **(Cze)**

[Endocrine changes in chronic liver diseases] Schlaghecke R, et al. **Internist (Berlin)** 1987 Jul;28(7):437–42 (34 ref.) **(Ger)**

[Insulin resistance in liver diseases] Petrides AS, et al. **Z Gastroenterol** 1986 Aug;24(8):403–15 (Eng. Abstr.) **(Ger)**

[Bile acids in chronic hepatopathies] Luciani A, et al. **Minerva Med** 1986 Dec 22;77(49–50):2287–92 (Eng. Abstr.) **(Ita)**

[The clinical significance of the quantitative analysis of serum Gc protein—influence of inflammation and liver function] Ogata M. **Nippon Hoigaku Zasshi** 1987 Apr;41(2):115–24 (Eng. Abstr.) **(Jpn)**

[A study on the serum levels of insulin-like growth factor-I (IGF-I) in patients with various chronic liver diseases] Inagaki Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov;83(11):2359–64 (Eng. Abstr.) **(Jpn)**

[Studies on serum levels of apoprotein in patients with liver disease] Kuniyoshi M. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep; 83(9):1998–2007 (Eng. Abstr.) **(Jpn)**

[Experimental study on the role of endotoxin in the mechanism of galactosamine-induced liver injury] Tsubomizu Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep;83(9):2035–42 (Eng. Abstr.) **(Jpn)**

[Plasma somatomedin C/insulin-like growth factor I in liver diseases] Yoshitsugu M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul;83(7):1350–4 (Eng. Abstr.) **(Jpn)**

[Alpha 1-antitrypsin in the serum of children with chronic liver diseases] Rujner J, et al. **Pediatr Pol** 1986 Nov; 61(11):698–701 (Eng. Abstr.) **(Pol)**

[Total and HDL lipoprotein fraction-bound cholesterol levels in patients with acute hepatic porphyria] Letowska M, et al. **Pol Tyg Lek** 1986 Jul 14;41(28):883–5 (Eng. Abstr.) **(Pol)**

[Alpha-fetoprotein in the serum of patients with chronic liver diseases] Turecký L, et al. **Bratisl Lek Listy** 1987 Jan; 87(1):92–9 (Eng. Abstr.) **(Slo)**

[Value of determining the serum DNA of the hepatitis B virus as a marker of viral replication] Genescà J, et al. **Med Clin (Barc)** 1986 Nov 15;87(16):665–8 (Eng. Abstr.) **(Spa)**

[Serum concentration of alpha 1-antitrypsin in various hepatic diseases] Villamil F, et al. **Medicina (B Aires)** 1986; 46(2):139–42 (Eng. Abstr.) **(Spa)**

[Serum ferritin in chronic hepatopathies. Study of its significance] Camps C, et al. **Rev Esp Enferm Apar Dig** 1986 Dec;70(6):497–501 (Eng. Abstr.) **(Spa)**

[Fibronectin and hepatopathy. (A new parameter in the evaluation of hepatocellular function)] Llena Puy MC, et al. **Rev Esp Enferm Apar Dig** 1987 Feb;71(2):114–6 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

High resolution proton nuclear magnetic resonance studies of human cerebrospinal fluid. Bell JD, et al. **Clin Sci** 1987 May;72(5):563–70

CHEMICALLY INDUCED

Enhanced acetaminophen toxicity associated with prior alcohol consumption in mice: prevention by N–acetylcysteine. Carter EA. **Alcohol** 1987 Jan–Feb; 4(1):69–71

Hepatic toxicity during chemotherapy for severe tuberculosis meningitis. Donald PR, et al. **Am J Dis Child** 1987 Jul; 141(7):741–3

Long–term effects of etretinate on the liver in psoriasis. Camuto P, et al. **Am J Surg Pathol** 1987 Jan;11(1):30–7

Fulminant hepatic failure after occupational exposure to 2–nitropropane. Harrison R, et al. **Ann Intern Med** 1987 Oct;107(4):466–8

Fatal hepatic necrosis due to pyrimethamine–sulfadoxine (Fansidar). Zitelli BJ, et al. **Ann Intern Med** 1987 Mar; 106(3):393–5

Sulphasalazine hepatotoxicity: lack of a hypersensitivity response. MacGilchrist AJ, et al. **Ann Rheum Dis** 1986 Nov; 45(11):967–8

Hepatic disease associated with ground–glass inclusions in hepatocytes after cyanamide therapy. Bruguera M, et al. **Arch Pathol Lab Med** 1986 Oct;110(10):906–10

Hepatotoxicity of the synthetic oestrogen hexoestrol in the female rat. Hart J. **Arch Toxicol** 1986 Dec;59(4):216–20

A dynamic liver culture system: a tool for studying chemical biotransformation and toxicity. Sipes IG, et al. **Arch Toxicol [Suppl]** 1987;11:20–33

Polycyclic aromatic hydrocarbons cause hepatic porphyria in iron–loaded C57BL/10 mice: comparison of uroporphyrinogen decarboxylase inhibition with induction of alkoxyphenoxazone dealkylations. Francis JE, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):13–20

Effects of three H2 antagonists on the isolated perfused rat liver. Correlation of bile flow changes with potential for causing hepatic disease in patients. Bassan H, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4519–22

Autoxidative formation of a chemically reactive intermediate from amodiaquine, a myelotoxin and hepatotoxin in man. Maggs JL, et al. **Biochem Pharmacol** 1987 Jul 1; 36(13):2061–2

The toxic effects of periodate–oxidized adenosine given in divided doses to rats. Magos L, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2865–7

The mechanism of prevention of paracetamol–induced hepatotoxicity by 3,5–dialkyl substitution. The roles of glutathione depletion and oxidative stress. van de Straat R, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2065–70

Proliferative lesions in the livers of mice treated 18 months previously with cisplatin [letter] Ewen C, et al. **Br J Cancer** 1987 Jan;55(1):109–10

Potentiation of carbon tetrachloride hepatotoxicity by hypoxia. Shibayama Y. **Br J Exp Pathol** 1986 Dec; 67(6):909–14

Fulminant hepatic failure associated with aplastic anaemia after treatment with danazol. Case report. Nakajima T, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):1013–5

Halothane and the liver [letter] **Br Med J [Clin Res]** 1986 Nov 8;293(6556):1240

Subacute hepatic necrosis induced by piroxicam. Lee SM, et al. **Br Med J [Clin Res]** 1986 Aug 30;293(6546):540–1

Isoflurane and postoperative hepatic dysfunction [editorial] Stoelting RK. **Can J Anaesth** 1987 May;34(3 (Pt 1)):223–6 **(Eng, Fre)**

Studies on the mechanism of 1–(2–chloroethyl)–3–cyclohexyl–1–nitrosourea (CCNU)–induced hepatotoxicity. II. Biochemical and morphological characterization of the injury and its prevention by phenobarbital. Ahmed AE, et al. **Cancer Chemother Pharmacol** 1987;19(2):103–8

Studies on the mechanism of 1–(2–chloroethyl)–3–cyclohexyl–1–nitrosourea (CCNU)–induced hepatotoxicity. III. Ultrastructural characterization of bile duct injury. Kretschmer NW, et al. **Cancer Chemother Pharmacol** 1987;19(2):109–17

Allergy–induced hepatic toxicity associated with dacarbazine. McClay E, et al. **Cancer Treat Rep** 1987 Feb; 71(2):219–20

High–dose carmustine and high–dose etoposide: a treatment regimen resulting in enhanced hepatic toxicity [letter] Wolff SN. **Cancer Treat Rep** 1986 Dec;70(12):1464–5

Liver damage induced by Oriental hornet venom sac extract at the level of subcellular fractions. Neuman MG, et al. **Clin Biochem** 1987 Apr;20(2):85–90

Impaired hepatocellular integrity during general anaesthesia, as assessed by measurement of plasma glutathione S–transferase. Hussey AJ, et al. **Clin Chim Acta** 1986 Nov 30;161(1):19–28

Valproate hepatotoxicity: a review and report of two instances in adults. Dickinson RG, et al. **Clin Exp Neurol** 1985;21:79–91

The aminopyrine breath test, an inadequate early indicator of methotrexate–induced liver disease in patients with psoriasis. Williams CN, et al. **Clin Invest Med** 1987 Mar; 10(2):54–8

Effect of nutritional status on propylthiouracil–induced protection against acetaminophen hepatotoxicity in the rat. Raheja KL, et al. **Drug Nutr Interact** 1987;5(1):21–31

Hepatotoxicity in rat following administration of valproic acid. Sugimoto T, et al. **Epilepsia** 1987 Mar–Apr; 28(2):142–6

Severe hepatic failure after ARA–A–prednisolone for chronic type B hepatitis [letter] Buti M, et al. **Gastroenterology** 1987 Jan;92(1):274–5

Cocaine–induced hepatotoxicity in humans. Perino LE, et al. **Gastroenterology** 1987 Jul;93(1):176–80

Clinico–biochemical evolution and late hepatic lesions in the toxic oil syndrome. Solis–Herruzo JA, et al. **Gastroenterology** 1987 Sep;93(3):558–68

Experimental hepatic porphyria caused by hexachlorobenzene: mechanism of the metabolic block. De Matteis F. **IARC Sci Publ** 1986;(77):427–31

Hepatotoxicity of copper: studies on the developing animals. Mehrotra R, et al. **Indian J Pathol Microbiol** 1986 Apr; 29(2):193–203

Nitrofurantoin induced chronic liver disease [letter] Maskell R. **J Antimicrob Chemother** 1987 Jan;19(1):140

Nitrofurantoin induced chronic liver disease [letter] Thuluvath PJ, et al. **J Antimicrob Chemother** 1986 Aug; 18(2):291–2

Clinical effects of alcohol in intermittent acute porphyria. Suri MS, et al. **J Assoc Physicians India** 1986 Oct; 34(10):708–9

Hepatic effects of acetaminophen. Enhanced toxicity in alcoholics. Maddrey WC. **J Clin Gastroenterol** 1987 Apr; 9(2):180–5 (59 ref.)

Granular cells as a marker of early amiodarone hepatotoxicity: a pathological and analytical study. Shepherd NA, et al. **J Clin Pathol** 1987 Apr;40(4):418–23

Hepatotoxicity of gossypol in rats. Wang Y, et al. **J Ethnopharmacol** 1987 Jun;20(1):53–64

Subcapsular hematoma in fatty liver of pregnancy. Roh LS. **J Forensic Sci** 1986 Oct;31(4):1509–13

Chronic liver disease after low daily doses of amiodarone. Report of three cases. Babany G, et al. **J Hepatol** 1986; 3(2):228–32

Hepatic failure following ingestion of multiple doses of acetaminophen in a young child. Smith DW, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep–Oct;5(5):822–5

Dose–related inhibition of the drug–metabolizing enzymes of rat liver by the pyrrolizidine alkaloid, monocrotaline. Dalvi RR. **J Pharm Pharmacol** 1987 May;39(5):386–8

Influence of the vitamin D hormonal status on the hepatic response to bromobenzene. Haddad P, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):354–63

Gross and microscopic characteristics of liver lesions induced by direct injection of pentobarbital sodium into rats. Takeda T, et al. **J Toxicol Sci** 1987 Feb;12(1):57–72

Acetaminophen hepatotoxicity [letter] Hall AH, et al. **JAMA** 1986 Oct 10;256(14):1893–4

Fatal diphenylhydantoin–induced hepatic necrosis: sonographic–pathologic correlation. Fishman MC, et al. **JCU** 1986 Nov–Dec;14(9):722–6

Studies on alterations in blood coagulative and fibrinolytic activities after single and multiple administrations of carbon tetrachloride in mice. Okazaki M, et al. **Jpn J Pharmacol** 1986 Aug;41(4):447–58

Cytoprotective effect of the prostacyclin derivative iloprost against liver cell death induced by the hepatotoxins carbon tetrachloride and bromobenzene. Bursch W, et al. **Klin Wochenschr** 1986;64 Suppl 7:47–50

New aspects of phalloidin poisoning. Faulstich H, et al. **Klin Wochenschr** 1986;64 Suppl 7:66–70

Influence of somatostatin on galactosamine–induced liver injury. Limberg B, et al. **Klin Wochenschr** 1986;64 Suppl 7:64–5

Polychemotherapy of acute myelogenous leukemia in a patient with acute intermittent porphyria. Wehmeier A, et al. **Klin Wochenschr** 1987 Apr 1;65(7):338–40

Hepatotoxicity with actinomycin D [letter] D'Angio GJ. **Lancet** 1987 Jul 11;2(8550):104

Fatal liver failure in children on valproate [letter] Dreifuss FE. **Lancet** 1987 Jan 3;1(8523):47–8

Minimal hepatic and renal function changes after isoflurane anesthesia. Luu KC, et al. **Ma Tsui Hsueh Tsa Chi** 1985 Sep;23(3):100–3

Correlation of the carcinogenic potential of di(2–ethylhexyl)phthalate (DEHP) with induced hyperplasia rather than with genotoxic activity. Smith–Oliver T, et al. **Mutat Res** 1987 May;188(1):21–8

Hepatic vascular disease after kidney transplantation: report of two cases and review of the literature. Adler M, et al. **Nephrol Dial Transplant** 1987;2(3):183–8

Silicone–induced hypercalcaemia in haemodialysis patients. Altmann P, et al. **Nephrol Dial Transplant** 1987;2(1):26–9

D–galactosamine–induced liver injury in mice fed on a diet of different protein content. Wakayama Y, et al. **Nippon Ika Daigaku Zasshi** 1987 Feb;54(1):90–1

Liver lesions in mice treated with diethylnitrosamine and inoculated with the Tyzzer's organism. Nii A, et al. **Nippon Juigaku Zasshi** 1987 Feb;49(1):185–9

Case 5. Vitamin A hepatotoxicity. Witzleben CL. **Pediatr Pathol** 1986;6(4):481–4

Hepatic necrosis induced by norepinephrine in rabbits. Lee JC, et al. **Proc Soc Exp Biol Med** 1987 Sep;185(4):462–8

Hepatotoxicity associated with low–dose, long–term methotrexate treatment of rheumatoid arthritis. Szanto E, et al. **Scand J Rheumatol** 1987;16(4):229–34

The delay in polyhalogenated aromatic hydrocarbon–induced porphyria: the effect of diet preparation. Kennedy SW, et al. **Toxicol Lett** 1986 Sep; 32(3):195–202

Effects of buthionine sulfoximine and cysteine on the hepatotoxicity of butylated hydroxytoluene in rats. Nakagawa Y. **Toxicol Lett** 1987 Aug;37(3):251–6

Hepatobiliary and pancreatic complications of cyclosporine therapy in 466 renal transplant recipients. Lorber MI, et al. **Transplantation** 1987 Jan;43(1):35–40

[Experimental study on liver injury by chlorobutadiene] Cheng TJ, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Sep;17(3):216–9 **(Chi)**

[Amiodarone (Cordarone) induced liver damage (letter)] Rumessen JJ, et al. **Ugeskr Laeger** 1986 Dec 15; 148(51):3463 **(Dan)**

[Paracetamol poisoning with fatal necrosis of the liver] Sørensen FB, et al. **Ugeskr Laeger** 1986 Oct 13; 148(42):2689–90 (Eng. Abstr.) **(Dan)**

[Drug hepatotoxicity. Description of a microcomputerized file of hepatic attacks and the responsible drugs] Biour M, et al. **Ann Gastroenterol Hepatol (Paris)** 1986 Oct; 22(5):247–53 (Eng. Abstr.) **(Fre)**

[Detection by ultrastructure and STEM microanalysis of hepato–spleno–lymph node thorotrastosis] Khalifat R, et al. **Bull Cancer (Paris)** 1987;74(1):35–7 **(Fre)**

[Drug risk of hepatic porphyria. Development of an animal experiment model] Deybach JC, et al. **Presse Med** 1987 Jan 24;16(2):68–71 (Eng. Abstr.) **(Fre)**

[Potentiation of hepatotoxicity by ketones and ketogenic agents] Plaa GL, et al. **Union Med Can** 1987 Feb; 116(2):97–100, 108 (Eng. Abstr.) **(Fre)**

[Late complications of thorotrast. Experiences from Zurich] Morant R, et al. **Schweiz Med Wochenschr** 1987 Jun 20; 117(25):952–7 (Eng. Abstr.) **(Ger)**

[Changes in liver enzymes during treatment with diltiazem. Description of 2 cases] Romanò M, et al. **G Ital Cardiol** 1987 Feb;17(2):149–50 (Eng. Abstr.) **(Ita)**

[Ultrastructural study of the liver in rabbits treated with diclofenac] Butturini L, et al. **Rev Med Univ Navarra** 1987 Jan–Mar;31(1):11–3 (Eng. Abstr.) **(Ita)**

[Hepatic failure and renal failure in antineoplastic chemotherapy, and its treatment] Nakao I. **Gan To Kagaku Ryoho** 1986 Oct;13(10):2930–8 (Eng. Abstr.) **(Jpn)**

[The effect of chronic ethanol administration on halothane hepatotoxicity in rats] Takahashi H. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jun;83(6):1168–75 (Eng. Abstr.) **(Jpn)**

[Investigation of hepatic reserve in patients with severe liver dysfunction in the treatment of acute leukemia] Hamazaki H, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1317–22 (Eng. Abstr.) **(Jpn)**

[Porphyria—a pharmacogenetic disease] Kostrzewska E, et al. **Wiad Lek** 1986 Dec 15;39(24):1713–7 (Eng. Abstr.) **(Pol)**

[Histological, histochemical and histoenzymatic changes at the level of the rat liver under the action of secbumetone] Gheorghiu T, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Oct–Dec;90(4):693–5 (Eng. Abstr.) **(Rum)**

[Effect of prior starvation on the development of acute thioacetamide–induced liver damage in rats] Naĭdenova E, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):170–1 (Eng. Abstr.) **(Rus)**

[Effectiveness of antioxidants in a combined carbon tetrachloride and ethanol lesion of the liver] Skakun NP, et al. **Farmakol Toksikol** 1987 May–Jun;50(3):97–9 (Eng. Abstr.) **(Rus)**

[Effect of lead–zinc concentrate dust on the liver] Burkhanov AI, et al. **Gig Sanit** 1987 Feb;(2):90–1 **(Rus)**

[A case of porphyria after treatment with cisplatin (letter)] Aramburo González P, et al. **Med Clin (Barc)** 1986 Nov 22;87(17):738–9 **(Spa)**

COMPLICATIONS

Chronic liver disease in abusers of alcohol and parenteral drugs: a report of 204 consecutive biopsy–proven cases. Novick DM, et al. **Alcoholism (NY)** 1986 Oct;10(5):500–5

Vitamin A relative dose response test: validation by intravenous injection in children with liver disease. Amedee–Manesme O, et al. **Am J Clin Nutr** 1987 Aug; 46(2):286–9

Granulomatous involvement of the liver in anthracosilicosis. Barbazza R, et al. **Appl Pathol** 1986;4(4):276–81

Dupuytren's contracture, alcohol consumption, and chronic liver disease. Attali P, et al. **Arch Intern Med** 1987 Jun; 147(6):1065–7

Splenectomy for thrombocytopenia in chronic liver disease [letter] Crosby WH. **Arch Intern Med** 1987 Feb;147(2):195, 197

Hypercalcemia. A complication of advanced chronic liver disease. Gerhardt A, et al. **Arch Intern Med** 1987 Feb; 147(2):274–7

Hepatic ultrastructural changes and liver dysfunction in amyotrophic lateral sclerosis. Nakano Y, et al.

Arch Neurol 1987 Jan;44(1):103–6

Carbohydrate antigen 19–9 (CA 19–9) and carcinoembryonic antigen (CEA) in pancreatic cancer. Role of age and liver dysfunction. Del Favero G, et al. **Bull Cancer (Paris)** 1986; 73(3):251–5

Ciprofloxacin in the treatment of urinary and respiratory tract infections in patients with chronic liver disease. Galante D, et al. **Chemioterapia** 1986 Oct;5(5):322–6

Central pontine myelinolysis and abnormalities in serum sodium. Slager UT. **Clin Neuropathol** 1986 Nov–Dec; 5(6):252–6

Diabetes mellitus associated with chronic liver disease [letter] Gentile S, et al. **Dig Dis Sci** 1987 Aug;32(8):947–8

Acute intermittent porphyria—an unusual cause of "surgical" abdomen. Response to propranolol therapy. Srugo I, et al. **Eur J Pediatr** 1987 May;146(3):305–8

Fatal liver disease associated with alpha 1-antitrypsin deficiency PiM1/PiMduarte. Crowley JJ, et al. **Gastroenterology** 1987 Aug;93(2):242–4

Hepatic cysts of periductal gland origin presenting as obstructive jaundice. Wanless IR, et al. **Gastroenterology** 1987 Oct;93(4):894–8

Problems of bacterial infection in patients with liver disease. Wyke RJ. **Gut** 1987 May;28(5):623–41 (168 ref.)

Unmeasurable serum alkaline phosphatase activity in Wilson's disease associated with fulminant hepatic failure and hemolysis. Willson RA, et al. **Hepatology** 1987 May–Jun; 7(3):613–5

Continuous arterio–venous ultrafiltration in the management of the renal complications of liver disease [editorial] Epstein M, et al. **Int J Artif Organs** 1986 Jul;9(4):217–8

Peripheral nerve involvement in chronic liver disease. Clinical and electrophysiological study. Fierro B, et al. **Ital J Neurol Sci** 1986 Dec;7(6):589–90

Clinical efficacy and safety of sulbactam/ampicillin in patients suffering from chronic liver disease. Galante D, et al. **J Antimicrob Chemother** 1987 Apr;19(4):527–32

Cerebro–oculo–hepato–renal syndrome (Arima' syndrome): a distinct clinicopathological entity. Matsuzaka T, et al. **J Child Neurol** 1986 Oct;1(4):338–46

Aspergillosis in acute hepatic failure. Watanabe A, et al. **J Med Clin Exp Theor** 1987;18(1):17–22

Liver lesions in inflammatory bowel disorders. Desmet VJ, et al. **J Pathol** 1987 Apr;151(4):247–55 (76 ref.)

Transhepatic embolisation of oesophagogastric varices in the treatment and prevention of bleeding from varices in patients with chronic liver disease. Barclay GR, et al. **J R Coll Surg Edinb** 1986 Jun;31(3):133–8

Portal hypertension: a permissive factor only in the development of ascites and variceal bleeding. Rector WG Jr. **Liver** 1986 Aug;6(4):221–6

Severe hypoxemia associated with liver disease: Mayo Clinic experience and the experimental use of almitrine bismesylate. Krowka MJ, et al. **Mayo Clin Proc** 1987 Mar; 62(3):164–73

Surgery in the patient with liver disease. Friedman LS, et al. **Med Clin North Am** 1987 May;71(3):453–76 (147 ref.)

A follow–up on a case report [letter] Powell BL, et al. **NC Med J** 1987 Mar;48(3):165–6

Cryoglobulinemia and liver involvement. Monti G, et al. **Ric Clin Lab** 1986 Apr–Jun;16(2):367–75

Spontaneous rupture of the liver in rheumatoid arthritis. Pettersson T, et al. **Scand J Rheumatol** 1986;15(3):348–9

Psychiatric manifestations of porphyria. Scott L, et al. **SD J Med** 1987 May;40(5):5–8

Noncirrhotic intrahepatic portal hypertension. Lebrec D, et al. **Semin Liver Dis** 1986 Nov;6(4):332–40 (86 ref.)

[Reoperation of the biliary tract and liver disorders] Klika M, et al. **Rozhl Chir** 1986 Aug;65(8–9):570–3 (Eng. Abstr.) **(Cze)**

[Hemolytic anemia and the digestive system] Alandry G, et al. **Ann Gastroenterol Hepatol (Paris)** 1987 Jan–Feb; 23(1):19–23 (Eng. Abstr.) **(Fre)**

[Polycythemia in liver diseases] Desaint B, et al. **Ann Gastroenterol Hepatol (Paris)** 1986 Dec;22(7):399–404 (67 ref.) **(Fre)**

[Peliosis hepatis associated with pulmonary tuberculosis simulating acute alcoholic hepatitis (letter)] Garnier T, et al. **Gastroenterol Clin Biol** 1986 Nov;10(11):774–5 **(Fre)**

[Thrombosis caused by deficiency of protein C in a patient with hepatic failure (letter)] Lefrère JJ, et al. **Presse Med** 1986 Oct 25;15(37):1882 **(Fre)**

[Assessment of surgical risk in patients with decreased liver function] Lauterburg BH. **Ther Umsch** 1987 Jul;44(7):522–9 (Eng. Abstr.) **(Ger)**

[Association of erosive lichen of the mucosa, chronic hepatopathy of uncertain classification, bullous pemphigoid (letter)] Rotoli M, et al. **G Ital Dermatol Venereol** 1986 Jul–Aug;121(4):310 **(Ita)**

[Acute hepatic failure during gestosis of pregnancy. Description of a clinical case] Girotti G, et al. **Minerva Anestesiol** 1987 Jan–Feb;53(1–2):47–50 (Eng. Abstr.) **(Ita)**

[Hepato–biliary pathology in Crohn disease and ulcerative rectocolitis] Lombardi C, et al. **Minerva Dietol Gastroenterol** 1986 Oct–Dec;32(4):355–9 (Eng. Abstr.) **(Ita)**

[Prevalence of peptic ulcer in patients with various hepatopathies] Andriulli A, et al. **Minerva Med** 1986 Oct 13;77(39):1801–5 (Eng. Abstr.) **(Ita)**

[Tissue markers of hepatitis B virus: useful indicators in the etiologic diagnosis of chronic alcoholic and non–alcoholic liver disease] Cuccurullo L, et al. **Recenti Prog Med** 1986 Sep;77(9):397–400 (Eng. Abstr.) **(Ita)**

[Advanced valvular heart disease accompanying hepatic dysfunction: preoperative evaluation of the functional reserve of the liver] Morishita Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Mar;35(3):269–75 (Eng. Abstr.) **(Jpn)**

[A case of hemosiderosis of the liver in myelodysplastic syndrome] Ishikawa T, et al. **Nippon Naika Gakkai Zasshi** 1986 Oct;75(10):1438–42 **(Jpn)**

[Liver disease and DIC] Kobayashi N, et al. **Rinsho Ketsueki** 1986 Oct;27(10):2022–7 (Eng. Abstr.) **(Jpn)**

[Acute attack of porphyria and its results] Gregor A, et al. **Pol Arch Med Wewn** 1986 Apr;75(4):248–56 (Eng. Abstr.) **(Pol)**

[Coexistent congenital polycystic kidneys and liver] Koźmińska E, et al. **Wiad Lek** 1986 Jul 15;39(14):988–91 (Eng. Abstr.) **(Pol)**

[Evaluation of the status of the liver in cholelithiasis] El'shtein NV, et al. **Klin Med (Mosk)** 1987 Feb;65(2):90–4 **(Rus)**

[Kidney lesions in liver diseases] Shulutko BI. **Klin Med (Mosk)** 1987 Apr;65(4):60–4 (Eng. Abstr.) **(Rus)**

[Results of treating pulmonary tuberculosis patients with combined pathology of the gastrointestinal tract and liver] Tarasov AS, et al. **Probl Tuberk** 1986;(12):31–4 (Eng. Abstr.) **(Rus)**

[The unconjugated hyperbilirubinemia syndrome in chronic liver diseases] Makolkin VI, et al. **Sov Med** 1987;(4):20–3 (Eng. Abstr.) **(Rus)**

[Status of the hepatobiliary system in diseases of the kidney] Peleshchuk AP, et al. **Vrach Delo** 1987 May;(5):20–4 (Eng. Abstr.) **(Rus)**

[Hepatic amyloidosis and portal hypertension (letter)] de Miguel Prieto J, et al. **Med Clin (Barc)** 1986 Dec 13; 87(20):869–70 **(Spa)**

[Hepato–renal polycystosis in adults (type III Potter)] Franquet T, et al. **Med Clin (Barc)** 1986 Nov 22; 87(17):730–4 (67 ref.) **(Spa)**

[Hepatorenal polycystosis of the adult associated with achalasia] González Sanz–Agero P, et al. **Rev Esp Enferm Apar Dig** 1986 Dec;70(6):569–70 **(Spa)**

CONGENITAL

Neuronal lipidosis and neuroaxonal dystrophy in cerebro–hepato–renal (Zellweger) syndrome. Powers JM, et al. **Acta Neuropathol (Berl)** 1987;73(4):333–43

Diarrhea and hepatic fibrosis [letter] Ozsoylu S, et al. **J Pediatr** 1986 Nov;109(5):908

Massive congenital solitary nonparasitic cyst of the liver in infancy. Athey PA, et al. **J Ultrasound Med** 1986 Oct; 5(10):585–7

A completely resected case of giant congenital liver cyst. Kasahara Y, et al. **Nippon Geka Hokan** 1987 Jan 1; 56(1):77–84

[Sonography and CT in Caroli syndrome] Schratter M, et al. **Rontgenpraxis** 1987 Jan;40(1):12–4 **(Ger)**

[Prenatal ultrasonic diagnosis of a cystic abdominal tumor—liver cyst and its differential diagnosis] Michel W, et al. **Z Geburtshilfe Perinatol** 1986 Jul–Aug;190(4):172–4 (Eng. Abstr.) **(Ger)**

[Symptomatic simple hepatic cyst] Mor E, et al. **Harefuah** 1987 May 15;112(10):492–4 (Eng. Abstr.) **(Heb)**

DIAGNOSIS

Ultrasonography and scintigraphy of the liver in focal and diffuse disease. Henriksson L, et al. **Acta Radiol** 1987 Mar–Apr;28(2):165–8

Leo J. Rigler lecture. MR imaging of the liver. Ferrucci JT. **AJR** 1986 Dec;147(6):1103–16

Cannon lecture. The impact of radiology on hepatology. Sherlock S, et al. **AJR** 1986 Dec;147(6):1117–22

Hepatic candidiasis: an increasing problem in immunocompromised patients. Haron E, et al. **Am J Med** 1987 Jul;83(1):17–26

Serum angiotensin converting enzyme activity in evaluation of patients with liver disease. Johnson DA, et al. **Am J Med** 1987 Aug;83(2):256–60

Chronic cholestasis in hepatic sarcoidosis with clinical features resembling primary biliary cirrhosis. Report of two cases. Pereira–Lima J, et al. **Am J Med** 1987 Jul;83(1):144–8

Progressive tubulointerstitial renal disease in infancy with associated hepatic abnormalities [letter] Proesmans W, et al. **Am J Med** 1987 Jul;83(1):182

Intraoperative ultrasound of the liver. An important adjunctive tool for decision making in the operating room. Rifkin MD, et al. **Ann Surg** 1987 May;205(5):466–72

Immunodiagnosis of human liver fluke infections. Sirisinha S. **Asian Pac J Allergy Immunol** 1986 Dec;4(2):81–8

The radiological diagnosis of mass lesions in the liver. Baddeley H, et al. **Australas Radiol** 1987 May;31(2):170–82

Predictive markers of chronic liver disease in hemophilia. Hay CR, et al. **Blood** 1987 Jun;69(6):1595–9

Liver lesions in histiocytosis X: findings on sonography and computed tomography. Päivänsalo M, et al. **Br J Radiol** 1986 Nov;59(707):1123–5

The use of CA–50 radioimmunoassay inhibition test in the differential diagnosis of benign and malignant liver diseases. Habib NA, et al. **Br J Surg** 1986 Sep;73(9):758–9

Subcapsular hematoma of the liver in infants of very low birth weight. Ryan CA, et al. **Can Med Assoc J** 1987 Jun 15;136(12):1265–9

Clinical appraisal of serum isozymes of LDH and GOT in the diagnosis of hepatobiliary diseases. Meng XY, et al. **Chin Med J [Engl]** 1987 Feb;100(2):146–8

Sequential investigation of aspartate aminotransferase elevation in outpatients. Van Lente F, et al. **Cleve Clin J Med** 1987 May–Jun;54(3):171–5

Advances in the application of biochemical tests to diseases of the liver and biliary tract: their role in diagnosis, prognosis, and the elucidation of pathogenetic mechanisms. Goldberg DM, et al. **Clin Biochem** 1987 Apr;20(2):127–48 (245 ref.)

Clinical usefulness of serum tripeptide aminopeptidase activity in diagnosing liver diseases. Kanda S, et al. **Clin Biochem** 1987 Feb;20(1):53–6

Diagnostic laparoscopy in gastroenterology. A 14–year experience. De Groen PC, et al. **Dig Dis Sci** 1987 Jul; 32(7):677–81

Diagnostic value of serum immunoreactive conjugated cholic or chenodeoxycholic acids in detecting hepatobiliary diseases. Comparison with levels of 3 alpha–hydroxy bile acids determined enzymatically and with routine liver tests. Ferraris R, et al. **Dig Dis Sci** 1987 Aug;32(8):817–23

Laparoscopy—present situation and prospects. Mörl M. **Endoscopy** 1987 Jul;19(4):167–8

Validity of laparoscopy after abdominal surgery. Orlando R, et al. **Endoscopy** 1987 Jul;19(4):150–2

Serum leucine aminopeptidase for monitoring viral infections with plasmacytoid reaction. Pancheva–Haschen R, et al. **Enzyme** 1986;36(3):179–86

Prenatal diagnosis of Zellweger syndrome and related disorders: impaired degradation of phytanic acid. Poulos A, et al. **Eur J Pediatr** 1986 Dec;145(6):507–10

Hepato–duodenal fistula. Gupta RK, et al. **Eur J Radiol** 1987 May;7(2):151–2

Significance of IgM antibody to hepatitis B core antigen for the differential diagnosis of acute and chronic hepatitis B virus infection and for the evaluation of the inflammatory activity of type B chronic liver diseases. Kiyosawa K, et al. **Gastroenterol Jpn** 1986 Dec;21(6):601–7

Overnight salivary caffeine clearance: a liver function test suitable for routine use. Jost G, et al. **Hepatology** 1987 Mar–Apr;7(2):338–44

Liver abnormalities and persistent pain in limbs. Reddy KR. **Hosp Pract [Off]** 1986 Nov 30;21(11A):96–8

Study of alphafetoprotein in liver diseases. Deshpande AD, et al. **Indian J Pathol Microbiol** 1986 Jul;29(3):255–61

Comparison of the spectrophotometric and high–performance liquid chromatographic analysis of indocyanine green in estimating systemic clearance in patients with chronic liver disease. O'Reilly T, et al. **J Chromatogr** 1987 Jun 5;417(1):190–6

Subtle hyperthyroidism presenting as suspected hepatobiliary disease. Shetty N, et al. **J Clin Gastroenterol** 1987 Apr; 9(2):186–8

Computer–aided diagnosis in jaundice and liver disease. McIntyre N. **J Hepatol** 1986;3(2):269–72

Discriminant analysis in the clinical and biochemical diagnosis of primary liver cancer. Farinati F, et al. **J Med Clin Exp Theor** 1986;17(5–6):347–55

Congenital liver cyst presenting as congenital diaphragmatic hernia. Chu DY, et al. **J Pediatr Surg** 1986 Oct;21(10):897–9

Validity of ultrasonic duplex system for measurement of the portal blood flow in patients with liver disease. Iwanaga T, et al. **Jpn J Surg** 1987 Jan;17(1):58–9

Diagnosis of acute drug–induced liver injury. Usefulness of clinicopathological patterns and biochemical indices. Døssing M, et al. **Med Toxicol** 1986 Mar–Apr;1(2):77–82

Fitz–Hugh–Curtis syndrome through the laparoscope. Foster HM. **Papua New Guinea Med J** 1986 Jun;29(2):161–3

Pyelocalyceal diverticula in the Beckwith–Wiedemann syndrome. Bronk JB, et al. **Pediatr Radiol** 1987;17(1):80–1

Abnormal liver function tests. How to assess their importance in asymptomatic patients. Kools AM, et al. **Postgrad Med** 1987 May 1;81(6):45–51

Abdominal hydatid disease: US findings during medical treatment. Bezzi M, et al. **Radiology** 1987 Jan;162(1 Pt 1):91–5

Focal hepatic mass screening: MR imaging or CT scanning? [letter] Slizofski WJ. **Radiology** 1987 Jun;163(3):830–1

Ultrasound diagnosis in hepatorenal polycystic disease in children. Miselli A, et al. **Rays** 1985 May–Aug;10(2):69–72

A model for monitoring changes in liver function. Danni O, et al. **Res Commun Chem Pathol Pharmacol** 1986 Dec; 54(3):395–403

Magnetic resonance imaging in evaluating focal liver lesions. Börsch G, et al. **South Med J** 1987 Sep;80(9):1125–8

Percutaneous diagnosis and drainage of pylephlebitis: a case report. Schwarz W, et al. **Surgery** 1987 Feb;101(2):244–9

Immunohistologic labeling as an indicator of liver allograft rejection. Perkins JD, et al. **Transplantation** 1987 Jan; 43(1):105–8

Correlations of sound speed with tissue constituents in normal and diffuse liver disease. Lin T, et al. **Ultrason Imaging** 1987 Jan;9(1):29–40

[Changes in the portal system in chronic liver diseases evaluated by ultrasonic tomography] Georgiev P, et al. **Vutr Boles** 1986;25(5):97–8 **(Bul)**

[Advances in serum enzyme tests in the diagnosis of liver diseases] Xu KC, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Mar;26(3):176–9 (25 ref.) **(Chi)**

[Polycystic liver in adults] van Erpecum KJ, et al. **Ned Tijdschr Geneeskd** 1987 Feb 7;131(6):225–8 **(Dut)**

[Reflections on the post-cholecystectomy syndrome] Tounsi A, et al. **Ann Gastroenterol Hepatol (Paris)** 1987 Mar–Apr; 23(2):89–92 (Eng. Abstr.) **(Fre)**

[Current indications of laparoscopy] Paolaggi JA, et al. **Ann Med Interne (Paris)** 1987;138(2):86–9 (Eng. Abstr.) **(Fre)**

[Aid to the clinical and biological diagnosis of malignancy in a nodular hepatic image discovered by echography] Asselain B, et al. **Bull Cancer (Paris)** 1987;74(1):66–74 (Eng. Abstr.) **(Fre)**

[Gamma-glutamyl transpeptidase serum activity: a useful but insufficient test for detecting chronic hepatopathies (letter)] Chossegros P, et al. **Gastroenterol Clin Biol** 1986 Jun–Jul; 10(6–7):524 **(Fre)**

[Intraoperative sonography in hepatic surgery] Castaing D, et al. **J Belge Radiol** 1986;69(1):1–8 (Eng. Abstr.) **(Fre)**

[What should be done when faced with an isolated abnormal liver function test?] Borel GA. **Rev Med Suisse Romande** 1987 Jul;107(7):545–8 **(Fre)**

[Results of ultrasound tomography in the diagnosis of liver diseases] Busse HJ, et al. **Dtsch Z Verdau Stoffwechselkr** 1986;46(3):171–6 (Eng. Abstr.) **(Ger)**

[Can patients with liver diseases participate in sports? Standardized walking and swimming tests in 220 patients with acute and chronic liver diseases] Müting D, et al. **Fortschr Med** 1987 Apr 25;105(12):233–6 (Eng. Abstr.) **(Ger)**

[HELLP syndrome: a rare, threatening complication in pre-eclampsia] Dadak C, et al. **Geburtshilfe Frauenheilkd** 1986 Sep;46(9):637–9 (Eng. Abstr.) **(Ger)**

[HELLP syndrome: a life-threatening form of pre-eclampsia] de Dycker RP, et al. **Geburtshilfe Frauenheilkd** 1987 Feb; 47(2):128–30 (Eng. Abstr.) **(Ger)**

[Hepatobiliary diseases in Crohn disease and ulcerative colitis] Kruis W. **Leber Magen Darm** 1987 Feb;17(1):28, 31–2, 35–6 (Eng. Abstr.) **(Ger)**

[Initial and expanded diagnosis of liver diseases in childhood] Burdelski M, et al. **Monatsschr Kinderheilkd** 1987 Jul; 135(7):450–5 **(Ger)**

[1st results of the diagnosis of focal liver and spleen lesions using gradient echo sequences] Griebel J, et al. **ROFO** 1987 Jan;146(1):18–23 (Eng. Abstr.) **(Ger)**

[Liver diseases in pregnancy—a diagnostic and therapeutic challenge] Oney T, et al. **Z Gastroenterol** 1987 Mar;25 Suppl 2:6–16 **(Ger)**

[Echography and clinical aspects in the differential diagnosis of hepatic cysts] Rini GB, et al. **G Clin Med** 1987 Mar; 68(3):169–71 (Eng. Abstr.) **(Ita)**

[Echographic diagnosis of diffused liver diseases: histologic correlations] Candia C, et al. **Minerva Med** 1987 Mar 31; 78(6):361–7 (Eng. Abstr.) **(Ita)**

[Diffuse liver diseases: possibility or limitations of echography?] Lagalla R, et al. **Minerva Med** 1987 Apr 15; 78(7):433–40 (Eng. Abstr.) **(Ita)**

[Echographic diagnosis of the abdomen] Dalla Palma L, et al. **Radiol Med (Torino)** 1987 Apr;73(4):318–30 **(Ita)**

[Magnetic resonance study of a case of hepatic polycystosis] Magnani F, et al. **Radiol Med (Torino)** 1987 Jan–Feb; 73(1–2):119–21 **(Ita)**

[A rare case of traumatic diaphragmatic hernia of the liver diagnosed with nuclear magnetic resonance] Pinto R, et al. **Radiol Med (Torino)** 1987 Jul–Aug;74(1–2):128–9 **(Ita)**

[Subcapsular hematoma of the liver in the newborn infant] Rabassini A, et al. **Radiol Med (Torino)** 1987 Apr; 73(4):355–7 **(Ita)**

[Clinical significance of selective middle hepatic venography] Kamiya J, et al. **Nippon Geka Gakkai Zasshi** 1986 Dec; 87(12):1559–63 (Eng. Abstr.) **(Jpn)**

[Evaluation of the diagnostic efficacy of ultrasound examination for hepatic, biliary system and pancreatic diseases] Fukuhisa K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Apr 25; 46(4):599–613 (Eng. Abstr.) **(Jpn)**

[Simultaneous assay of serum lactate dehydrogenase activities depending on NAD (N) and thio-NAD (T), and the clinical significance of N/T values] Kawai M. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov;83(11):2458 **(Jpn)**

[A case of old intrahepatic hematoma, suspected cystadenocarcinoma of the liver] Matsuda H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct;83(10):2254–7 **(Jpn)**

[Clinical aspects of multidirection and multislice methods of abdominal MRI (magnetic resonance imaging)] Soh Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct; 83(10):2216–22 (Eng. Abstr.) **(Jpn)**

[Clinical significance of urinary levels of type III procollagen peptide in patients with various liver diseases and cancer of the alimentary tract] Tsuneya Y. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov;83(11):2457 **(Jpn)**

[Liver function tests: analysis of serum transferases and oxidoreductases] Akaike M, et al. **Rinsho Byori** 1986 Jun; 34 Spec No 67:33–41 (37 ref.) **(Jpn)**

[Liver function tests: peritoneoscopy] Aramaki N. **Rinsho Byori** 1986 Jun;34 Spec No 67:148–53 (12 ref.) **(Jpn)**

[Liver function tests: analysis of biliary tract enzymes and serum secretory enzymes—ALP, gamma-GTP, LAP, and ChE] Fujisawa K. **Rinsho Byori** 1986 Jun;34 Spec No 67:42–50 **(Jpn)**

[Diagnostic methods in liver diseases] Hirayama C. **Rinsho Byori** 1986 Jun;34 Spec No 67:1–14 (37 ref.) **(Jpn)**

[Liver function tests: blood coagulation and fibrinolysis tests] Isobe J. **Rinsho Byori** 1986 Jun;34 Spec No 67:202–15 (31 ref.) **(Jpn)**

[Peripheral lymphocyte examination—evaluation and application of the tests in the diagnosis of liver disease] Kado Y, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:216–22 (18 ref.) **(Jpn)**

[Analysis of bile components in the serum: bilirubin, urobilin and bile acids] Makino I, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:24–32 (17 ref.) **(Jpn)**

[Liver diseases and computer diagnosis: computer-assisted diagnosis programs in liver diseases and their clinical application] Matsuda N, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:223–32 (21 ref.) **(Jpn)**

[Liver diseases and computer diagnosis: diagnosis of liver diseases by computers using information on various protein components] Miyaji T, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:233–52 **(Jpn)**

[Liver function tests: analysis of serum protein fractions (including collagen reactions)] Miyaji T, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:58–66 **(Jpn)**

[Liver function tests: analysis of non-protein nitrogen, BUN, NH3 and amino acids] Nagashima H, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:73–81 (11 ref.) **(Jpn)**

[Liver function tests: blood sugar examination—blood glucose analysis and glucose tolerance test] Nakatsu N. **Rinsho Byori** 1986 Jun;34 Spec No 67:93–100 (12 ref.) **(Jpn)**

[Diagnosis of liver diseases by ultrasonics and computer tomography] Ozaki T, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:186–201 (15 ref.) **(Jpn)**

[Liver function tests: analysis of serum isoenzymes—GOT, LDH, ALP, gamma-GTP and ChE] Suzuki H. **Rinsho Byori** 1986 Jun;34 Spec No 67:51–7 (10 ref.) **(Jpn)**

[Liver function tests: analysis of AFP and ferritin] Takasaki K, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:67–72 (14 ref.) **(Jpn)**

[Liver function tests: analysis of serum lipids—lipid peroxides, total cholesterol, cholesterol esters, free fatty acids, triglycerides and apolipoproteins] Tanaka T, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:82–92 (52 ref.) **(Jpn)**

[Liver diseases and computer diagnosis: test items and prognosis] Tauchi K. **Rinsho Byori** 1986 Jun;34 Spec No 67:253–61 **(Jpn)**

[Liver function tests: serologic diagnosis (non-specific reactions). A. RA and CRP] Tsuda H, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:109–12 **(Jpn)**

[Liver function tests: ICG plasma clearance test] Yamashiro Y. **Rinsho Byori** 1986 Jun;34 Spec No 67:130–9 (24 ref.) **(Jpn)**

[Liver cysts] Azuma Y. **Rinsho Hoshasen** 1986 Sep; 31(9):1039–40 **(Jpn)**

[A comparative study of planar, SPECT, X-ray CT and angiographic imaging in detecting space-occupying lesions (SOL) of the liver] Manabe T, et al. **Rinsho Hoshasen** 1986 Jul;31(7):773–9 **(Jpn)**

[A case report of hemochromatosis with an interesting pattern on colloid liver scintigram and liver X CT] Shibakiri I, et al. **Rinsho Hoshasen** 1986 Jun;31(6):745–8 (Eng. Abstr.) **(Jpn)**

[Porphyria variegata—a case report] Kossowski J, et al. **Neurol Neurochir Pol** 1986 Jul–Aug;20(4):371–3 (Eng. Abstr.) **(Pol)**

[Ultrasonographically-guided thin-needle biopsy in the diagnosis of focal changes in the liver] Habior A, et al. **Pol Tyg Lek** 1986 Jul 14;41(28):896–8 (Eng. Abstr.) **(Pol)**

[Prognosis of puerperal complications in women with chronic liver and biliary tract diseases] Dashkevich VE, et al. **Akush Ginekol (Mosk)** 1987 Apr;(4):53–6 (Eng. Abstr.) **(Rus)**

[Use of thoracic duct lymph for early detection of hepatic failure in the postresuscitation period] Atiasov NI, et al. **Anesteziol Reanimatol** 1986 Jul–Aug;(4):38–41 (Eng. Abstr.) **(Rus)**

[Liver biopsies in the diagnosis of congenital and acquired pathology of the hepatobiliary system in children] Potapova-Vinogradova IN, et al. **Arkh Patol** 1986; 48(9):31–5 (Eng. Abstr.) **(Rus)**

[Clinical picture, diagnosis and surgical treatment of polycystic disease of the liver] Chervinskii AA, et al. **Klin Khir** 1986;(9):67 **(Rus)**

[Use of ultrasound in surgical diseases of the organs of the hepatopancreatoduodenal area] Shkrob OS, et al. **Klin Med (Mosk)** 1986 Oct;64(10):76–83 **(Rus)**

[ATPase activity of erythrocytes in chronic diseases of the liver and stomach] Makarenko EV. **Lab Delo** 1987;(2):14–7 (Eng. Abstr.) **(Rus)**

[Enzymatic activity of microsomal hydroxylation in chronic liver diseases] Matiushin BN, et al. **Patol Fiziol Eksp Ter** 1987 May–Jun;(3):73–6 (Eng. Abstr.) **(Rus)**

[Clinico-echographic parallels in diffuse liver diseases] Boger MM, et al. **Ter Arkh** 1987;59(5):91–5 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of adenosine triphosphatase activity in the erythrocytes of patients with acute and chronic liver diseases, chronic cholecystitis and in HBs antigen carriers] Makarenko EV, et al. **Ter Arkh** 1987; 59(2):98–100 (Eng. Abstr.) **(Rus)**

[Determination of the enzyme activity of the blood serum in the diagnosis of liver diseases in patients following a kidney transplant] Jung K, et al. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):47–9 (Eng. Abstr.) **(Rus)**

[Importance of scanning in the diagnosis of liver and spleen lesions in lymphogranulomatosis patients following radiation therapy] Kholin VV, et al. **Vrach Delo** 1986 Dec; (12):52–5 (Eng. Abstr.) **(Rus)**

[Clinical significance of the determination of the gamma glutamine transferase enzyme in the diagnosis of liver and biliary tract diseases] Golubović G, et al. **Srp Arh Celok Lek** 1986 Nov–Dec;114(11–12):1043–8 (Eng. Abstr.) **(Scc)**

[Laparoscopy in pediatrics] Gutierréz San Román C, et al. **An Esp Pediatr** 1987 Feb;26(2):111–4 (Eng. Abstr.) **(Spa)**

[Ultrasonics in diffuse changes of the liver] Garassini M. **GEN** 1985 Oct–Dec;39(4):294–303 **(Spa)**

[Self-limiting hepatic and febrile form of Q fever (letter)] Lozano de León F, et al. **Med Clin (Barc)** 1986 Oct 25; 87(13):565 **(Spa)**

[Comparative study of gammagraphic and histologic diagnosis in hepatopathies] Caballería Rovira E, et al. **Rev Esp Enferm Apar Dig** 1987 Jul;72(1):25–31 (Eng. Abstr.) **(Spa)**

[Echographic diagnosis of hepatic hernias] Canellas Anoz JE, et al. **Rev Esp Enferm Apar Dig** 1987 Jan;71(1):7–11 (Eng. Abstr.) **(Spa)**

[Hepatic polycystosis (letter] Maluenda MD, et al. **Rev Esp Enferm Apar Dig** 1986 Nov;70(5):471 **(Spa)**

[Hepatic polycystosis: 9 cases] Zaragosi Esparza A, et al. **Rev Esp Enferm Apar Dig** 1986 Sep;70(3):229–35 (Eng. Abstr.) **(Spa)**

[Differential diagnosis of various porphyrias. Experience with 28 cases] Armas-Merino R, et al. **Rev Med Chil** 1986 Apr; 114(4):315–20 (Eng. Abstr.) **(Spa)**

DIET THERAPY

[Diet and liver diseases] Schmid M. **Ther Umsch** 1986 Oct; 43(10):739–42 (Eng. Abstr.) **(Ger)**

[Diet in liver diseases—the present and past] Baumgarten R. **Z Arztl Fortbild (Jena)** 1986;80(15):605–6 **(Ger)**

[Importance of biologically valuable food products in the combined therapy of pregnant women with chronic diseases of the hepatobiliary system] Zakrevskil AA. **Akush Ginekol (Mosk)** 1986 Nov;(11):75–7 **(Rus)**

DRUG THERAPY

Haem arginate in acute hepatic porphyrias [letter] Kordač V, et al. **Br Med J [Clin Res]** 1986 Oct 25;293(6554):1098

Haem arginate in the treatment of acute hepatic porphyrias. Mustajoki P, et al. **Br Med J [Clin Res]** 1986 Aug 30; 293(6546):538–9

Clinical usefulness of cimetidine for the treatment of acute intermittent porphyria—a preliminary report. Horie Y, et al. **Clin Chim Acta** 1987 Aug 31;167(3):267–71

Fibronectin replacement in patients with fulminant hepatic failure. Hughes RD, et al. **Eur J Clin Invest** 1986 Oct; 16(5):352–6

Effect of intraarterial, intraportal or combined norepinephrine infusion on hemorrhage at experimental liver trauma in the rat. Vagianos C, et al. **Eur Surg Res** 1987;19(2):124–8

Fibronectin and liver disease [letter] Hughes RD, et al. **Hepatology** 1987 Jul–Aug;7(4):800–1

Treatment of hepatosplenic candidiasis with liposomal-amphotericin B. Lopez-Berestein G, et al. **J Clin Oncol** 1987 Feb;5(2):310–7

Chenodeoxycholic acid therapy in erythrohepatic protoporphyria. Van Hattum J, et al. **J Hepatol** 1986; 3(3):407–12

Comparative studies on rat primary cultured and isolated hepatocytes in the evaluation of a therapeutic agents for liver disease. Sakamoto K, et al. **Jpn J Pharmacol** 1986 Jul;41(3):424–6

Cure of hepatic candidiasis in acute leukemia. Powell BL, et al. **NC Med J** 1986 Sep;47(9):393–5

Effect of Catergen [(+)cyanidanol-3] on some haemostatic parameters in chronic liver diseases. Pfliegler G, et al. **Ther Hung** 1984;32(1):19–25

[Effect of carsil and legalon in treating chronic liver diseases] Brailski Kh, et al. **Vutr Boles** 1986;25(3):43–9 (Eng. Abstr.) **(Bul)**

[Prostacyclin and other drugs protective against experimental liver damage in rats] Guo SH, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Nov;25(11):676–8, 702–3 (Eng. Abstr.) **(Chi)**

[Experience with the therapy of symptomatic liver porphyria using a combination of antimalarial agents—chloroquine with pyrimethamine] Zoubek V, et al. **Cas Lek Cesk** 1987

Feb 6;126(6):170–3 (Eng. Abstr.) (Cze)
[Cyclosporin: a selective immunosuppressor in hepatology] Mentha G, et al. **Gastroenterol Clin Biol** 1986 Oct; 10(10):641–7 (88 ref.) (Fre)
[Acute attacks of hepatic porphyria. Treatment with hematin. 5 cases] Devars du Mayne JF, et al. **Presse Med** 1986 Oct 4;15(33):1673–6 (Eng. Abstr.) (Fre)
[Polyunsaturated phosphatidyl choline in combination with vitamin B complex in the treatment of liver diseases in drug addicts] Giammona G, et al. **Clin Ter** 1986 Dec 15; 119(5):373–7 (Eng. Abstr.) (Ita)
[Use of polyunsaturated phosphatidylcholine associated with a vitamin B complex in the treatment of hepatic injuries caused by antitubercular agents] Lazzara A, et al. **Clin Ter** 1986 Sep 30;118(6):423–6 (Eng. Abstr.) (Ita)
[Effects of azelastine on an experimentally-induced acute hepatic failure model] Mizoguchi Y, et al. **Arerugi** 1987 Feb;36(2):108–11 (Eng. Abstr.) (Jpn)
[Effects of a prostaglandin E1 derivative on survival of experimentally induced acute hepatic injury] Mizoguchi Y. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct;83(10):2265 (Jpn)
[The protective effect of gomisin A on experimentally induced acute hepatic injury] Tsutsui H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Mar;84(3):670–4 (Eng. Abstr.) (Jpn)
[Effectiveness of legalon and essentiale in a tetracycline-induced liver lesion] Skakun NP, et al. **Antibiot Med Biotekhnol** 1986 Oct;31(10):781–4 (Eng. Abstr.) (Rus)
[Antioxidant effectiveness in isoniazid-induced lesions of the liver] Skakun NP, et al. **Farmakol Toksikol** 1986 Jul–Aug; 49(4):86–9 (Eng. Abstr.) (Rus)
[Catergen in the treatment of chronic liver diseases] Semendiaeva ME, et al. **Sov Med** 1986;(9):47–50 (Eng. Abstr.) (Rus)
[Monooxigenase activity in liver diseases (study based on data of antipyrine metabolism)] Loginov AS, et al. **Ter Arkh** 1987;59(2):84–9 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Mechanistic studies of the inhibition of hepatic uroporphyrinogen decarboxylase in C57BL/10 mice by iron–hexachlorobenzene synergism. Smith AG, et al. **Biochem J** 1986 Sep 15;238(3):871–8
Microsomal cholesterol epoxide hydrolase activity in 2-acetylaminofluorene-induced rat liver hyperplastic nodules. Palakodety RB, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2424–7
Catalase in cultured skin fibroblasts from patients with the cerebro-hepato-renal (Zellweger) syndrome: normal maturation in peroxisome-deficient cells. Wanders RJ, et al. **Biochim Biophys Acta** 1987 Mar 19;923(3):478–82
Antipyrine metabolism in acute hepatic porphyria in relapse and remission. Birnie GG, et al. **Br J Clin Pharmacol** 1987 Mar;23(3):358–61
Heme enzyme patterns in rat liver nodules and tumors. Stout DL, et al. **Cancer Res** 1987 Feb 15;47(4):963–6
Validity of 5-aminolevulinate dehydratase activity (5-ALAD) for the discrimination of alcoholics and nonalcoholics with chronic liver disease. Flegar-Meštrić Z, et al. **Clin Biochem** 1987 Apr;20(2):81–4
Serum alkaline phosphatase isoenzymes in hepatobiliary disorders resolved by use of immobilized pH gradients. Sorroche P, et al. **Clin Chem** 1987 May;33(5):653–7
Human erythrocyte gamma-glutamyltransferase in liver diseases. Daniel DS, et al. **Clin Chim Acta** 1987 Feb 15; 162(3):319–27
Lectin-affinity chromatography of serum gamma-glutamyltransferase in liver disease. Delanghe JR, et al. **Clin Chim Acta** 1987 Feb 15;162(3):311–8
Rapid diagnosis of Zellweger syndrome and infantile Refsum's disease by fast atom bombardment—mass spectrometry of urine bile salts. Lawson AM, et al. **Clin Chim Acta** 1986 Dec 15;161(2):221–31
Serum aldolase isoenzymes in benign and malignant liver disease. Royds JA, et al. **Clin Chim Acta** 1987 Aug 31; 167(3):237–46
Serum alpha-1-antitrypsin levels in liver disease in Igbo Nigerians. Onwuameze IC, et al. **East Afr Med J** 1986 Nov; 63(11):731–5
Erythrocyte porphobilinogen deaminase activity in liver disease. Ostrowski J. **Gastroenterology** 1987 Apr; 92(4):845–51
Serum isoamylases in liver diseases. Tsianos EB, et al. **Hepatogastroenterology** 1986 Dec;33(6):247–9
Depression of peripheral blood monocyte aryl hydrocarbon hydroxylase activity in patients with liver disease: possible involvement of macrophage factors. Peterson TC, et al. **Hepatology** 1987 Mar–Apr;7(2):333–7
Liver glutathione S-transferase polymorphism in Japanese and its pharmacogenetic importance. Harada S, et al. **Hum Genet** 1987 Apr;75(4):322–5
Characterization of elastase associated with granulomatous tissue remodeling. Izaki S, et al. **J Cell Biochem** 1986; 32(1):79–89
Immunochemical study of uroporphyrinogen decarboxylase in a patient with mild hepatoerythropoietic porphyria. Fujita H, et al. **J Clin Invest** 1987 May;79(5):1533–7
Serum amylase activity in patients with cardiovascular, hepatic and other diseases in Bangladesh. Gomes B, et al. **J Indian Med Assoc** 1986 Oct;84(10):301–3
Determination of genetic variants of serum cholinesterase in healthy adults and patients with liver diseases. Lee JH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Mar;86(3):255–8
[Effect of various liver diseases on the activity of 2 subtypes of cytochrome P-450] Balogh A, et al. **Dtsch Z Verdau Stoffwechselkr** 1987;47(1):1–13 (Eng. Abstr.) (Ger)
[Serum cathepsin activity in chronic liver diseases] Kucharz EJ, et al. **Z Gesamte Inn Med** 1986 Nov 15;41(22):636–8 (Eng. Abstr.) (Ger)
[Serum prolyl hydroxylase values in liver diseases] Miyabayashi C, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct;83(10):2181–9 (Eng. Abstr.) (Jpn)
[Clinical significance of glycylproline dipeptidyl aminopeptidase activity and isoenzyme patterns in the sera of patients with liver diseases] Matsuda Y, et al. **Rinsho Byori** 1986 Aug;34(8):981–5 (Jpn)
[Clinical and laboratory-based evaluation of serum guanase activity in liver diseases] Matsumoto K, et al. **Rinsho Byori** 1986 Sep;34(9):1059–64 (Jpn)

ETHNOLOGY

The spectrum of liver disease in Penang: a clinical and histological study. Ross IN, et al. **Med J Malaysia** 1985 Sep;40(3):225–32

ETIOLOGY

Duodenohepatic fistula: a rare complication of amebic hepatic abscess. A case report. Duus BR, et al. **Acta Chir Scand** 1986 Dec;152:769–71
Hepatic disorders in the acquired immune deficiency syndrome: a clinical and pathological study. Kahn SA, et al. **Am J Gastroenterol** 1986 Dec;81(12):1145–8
Rupture of the liver associated with acute fatty liver of pregnancy. Minuk GY, et al. **Am J Gastroenterol** 1987 May; 82(5):457–60
Amebic liver abscess with hepatoduodenal fistula. Mowji PJ, et al. **Am J Gastroenterol** 1987 Jun;82(6):558–9
The liver in preeclampsia/eclampsia: the tip of the iceberg [editorial] Riely CA. **Am J Gastroenterol** 1986 Dec; 81(12):1218–9
Liver disease in toxemia of pregnancy. Rolfes DB, et al. **Am J Gastroenterol** 1986 Dec;81(12):1138–44
Hepatic calcification in the course of hemodialysis. Sugiura H, et al. **Am J Gastroenterol** 1987 Aug;82(8):786–9
Hepatic complications of total parenteral nutrition. Baker AL, et al. **Am J Med** 1987 Mar;82(3):489–97 (45 ref.)
Spontaneous intrahepatic hemorrhages in polyarteritis nodosa. Alleman MJ, et al. **Ann Intern Med** 1986 Nov; 105(5):712–3
Enhancement of hypoxic liver damage by ethanol. Involvement of xanthine oxidase and the role of glycolysis. Younes M, et al. **Biochem Pharmacol** 1987 Sep 15; 36(18):2973–7
Bypass induced liver disease: an experimental study of the effect of post-operative protein supplementation and metronidazole therapy in an animal model. Lewin MR, et al. **Br J Exp Pathol** 1987 Feb;68(1):15–23
ABC of AIDS. Gastrointestinal and hepatic manifestations. Weller IV. **Br Med J [Clin Res]** 1987 Jun 6; 294(6585):1474–6
Hepatic disease in erythropoietic protoporphyria. Mooyaart BR, et al. **Dermatologica** 1986;173(3):120–30
Serological evidence of hepatitis B virus and hepatitis delta virus infection in 164 patients with histological evidence of liver damage. Greenfield C, et al. **East Afr Med J** 1986 Sep;63(9):585–91
Spontaneous rupture of the spleen and liver in amyloidosis—a case report and review of the literature. Okazaki K, et al. **Gastroenterol Jpn** 1986 Oct;21(5):518–24
Prospective study of the incidence of ultrasound-detected intrahepatic and subcapsular hematomas in patients randomized to 6 or 24 hours of bed rest after percutaneous liver biopsy. Minuk GY, et al. **Gastroenterology** 1987 Feb; 92(2):290–3
The pathophysiological significance of lipid peroxidation in oxidative cell injury. Tribble DL, et al. **Hepatology** 1987 Mar–Apr;7(2):377–86 (160 ref.)
Hepatic complications of bone marrow transplant. Chordia AV, et al. **Indian J Gastroenterol** 1987 Apr;6(2):107–8
Talc liver. Molos MA, et al. **J Clin Gastroenterol** 1987 Apr; 9(2):198–203
Importance of showing HBsAg and HBcAg positivity in the liver for better aetiological definition of chronic liver disease. Cuccurullo L, et al. **J Clin Pathol** 1987 Feb; 40(2):167–71
The effects of Escherichia coli endotoxin as a trigger for hepatic infection of rabbits with Fusobacterium necrophorum. Nakajima Y, et al. **J Comp Pathol** 1987 Mar; 97(2):207–15
Inversion of gallbladder secondary to traumatic herniation of liver: CT findings. Leekam RN, et al. **J Comput Assist Tomogr** 1987 Jan–Feb;11(1):163–4
Liver cell damage caused by monoclonal antibody against an organ-specific membrane antigen in vivo and in vitro. Poralla T, et al. **J Hepatol** 1987 Jun;4(3):373–80
Selected abstracts submitted for the 1987 International Symposium on Viral Hepatitis and Liver Disease. London, May 1987. **J Med Virol** 1987 Apr;21(4):1A–145A
Endotoxin induced hepatic necrosis in rats on an alcohol diet. Bhagwandeen BS, et al. **J Pathol** 1987 May; 152(1):47–53
The role of hepatic venous congestion and endotoxaemia in the production of fulminant hepatic failure secondary to congestive heart failure. Shibayama Y. **J Pathol** 1987 Feb; 151(2):133–8
Hepatic infarction and acute liver failure in children with extrahepatic biliary atresia and cirrhosis. Gartner JC Jr, et al. **J Pediatr Surg** 1987 Apr;22(4):360–2
Nodular liver lesions associated with chronic home hyperalimentation after massive enterectomy for ileal carcinoma. Kemeny MM. **J Surg Oncol** 1987 Jun;35(2):82–5
Acute hepatic failure due to Plasmodium falciparum liver injury. Joshi YK, et al. **Liver** 1986 Dec;6(6):357–60
A technical modification to improve experimental production of hepatogenic ascites. Martinez AP, et al. **Lymphology** 1986 Dec;19(4):168–9
Peliosis hepatis in a renal transplant recipient and in a haemodialysis patient. Hankey GJ, et al. **Med J Aust** 1987 Jan 19;146(2):102–5
Introduction and perspective exemplified by delta hepatitis and by disturbances of regulatory networks in hepatic diseases. Popper H. **Monogr Pathol** 1987;(28):1–10 (35 ref.)
Subcapsular liver hematoma in a patient on chronic hemodialysis. Smetana SS, et al. **Nephron** 1987;45(4):323–4
Herniation of liver and colon five years after missed diaphragmatic rupture [letter] Boerma EJ. **Neth J Surg** 1986 Aug;38(4):127
Acute cholecystitis and liver failure after total hip replacement: a case report [letter] McClelland SJ. **Orthopedics** 1986 Dec;9(12):1617, 1620
Enhanced hepatotoxicity of endotoxin by hypoxia. Shibayama Y. **Pathol Res Pract** 1987 Jun;182(3):390–5
The development of diabetes mellitus and chronic liver disease in long term chelated beta thalassaemic patients. De Sanctis V, et al. **Postgrad Med J** 1986 Sep;62(731):831–6
Hepatobiliary complications of inflammatory bowel disease. Williams SM, et al. **Radiol Clin North Am** 1987 Jan; 25(1):175–88 (79 ref.)
The gastrointestinal involvement in primary Sjögren's syndrome. Tsianos EB, et al. **Scand J Rheumatol [Suppl]** 1986;61:151–5
Toxemia of pregnancy and the liver. Alexander J, et al. **Semin Liver Dis** 1987 Feb;7(1):55–8
Prospective study and long-term follow-up of liver damage in renal transplant recipients. Takahara S, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2221–4
Hemorrhage: a complication of metastatic testicular choriocarcinoma. Motzer RJ, et al. **Urology** 1987 Aug; 30(2):119–22
Hepatocellular calcification. Ladefoged C, et al. **Virchows Arch [A]** 1987;410(5):461–3
[Subcapsular hematoma of the liver complicating hepatic distomatosis: a case report. Value of diagnostic imaging methods and their therapeutic implications] Piquet F, et al. **Ann Chir** 1986 Dec;40(9):653–6 (Eng. Abstr.) (Fre)
[Subcapsular hematoma of the liver in an eclamptic crisis] Barendregt JN, et al. **Ann Med Interne (Paris)** 1986; 137(7):565–7 (Eng. Abstr.) (Fre)
[Hepatic involvement in measles in adults: 23 cases (letter)] Einhorn S, et al. **Ann Med Interne (Paris)** 1987;138(4):315–6 (Fre)
[Hepatic, biliary and pancreatic lesions in LAV-HTLV III infection] Marche C, et al. **Ann Pathol** 1986;6(4–5):287–91 (Eng. Abstr.) (Fre)
[Hemorrhagic hepatic lesions in toxemia of pregnancy] Abi F, et al. **J Chir (Paris)** 1986 Dec;123(12):742–5 (Eng. Abstr.) (Fre)
[Intrahepatic collections of fluid of pancreatic origin. A case] Atienza P, et al. **Presse Med** 1987 Jun 20;16(24):1195–8 (Eng. Abstr.) (Fre)
[Hepatic peliosis in bacterial endocarditis in a child with Marfan's disease (letter)] Pautard JC, et al. **Presse Med** 1986 Nov 8;15(39):1973–4 (Fre)
[Hellp syndrome may precede the appearance of arterial hypertension in pregnancy toxemia] Dantzer M, et al. **Rev Fr Gynecol Obstet** 1987 Apr;82(4):243–5 (Eng. Abstr.) (Fre)
[Hepatic injury in mitral valvular cardiopathy. Clinical and diagnostic aspects] Zambon G, et al. **Minerva Med** 1987 Jan 31;78(2):79–87 (Eng. Abstr.) (Ita)
[Etiology and treatment of intrahepatic stones] Kobayashi N. **Nippon Geka Hokan** 1986 Sep 1;55(5):641–2 (Jpn)
[The risk factors of high grade liver deterioration following open heart surgery—in patients with preoperative liver dysfunction] Sakagoshi N, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Jan;35(1):42–8 (Eng. Abstr.) (Jpn)
[Hepatic failure due to disseminated intrahepatic portal vein thrombosis after endoscopic sclerotherapy of a cirrhotic patient] Matsuda H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Dec;83(12):2616–20 (Jpn)
[Acute hepatorenal failure in external intestinal fistula] Arbuliev MG, et al. **Klin Khir** 1987;(2):8–10 (Eng. Abstr.) (Rus)
[Diabetic hepatopathy and cholecystopathy] Bondar PN, et al. **Probl Endokrinol (Mosk)** 1987 Jan–Feb;33(1):78–84 (127 ref.) (Rus)
[Pathogenetic mechanisms of chronicity in liver diseases in patients with circulatory failure] Zvenigorodskaia LA, et al. **Ter Arkh** 1987;59(5):41–5 (Eng. Abstr.) (Rus)
[Acute cholecystitis and liver failure] Zinevich VP, et al.

Vestn Khir 1986 Jul;137(7):32–6 (Eng. Abstr.) **(Rus)**
[Cholelithiasis and hepatic insufficiency] Zinevich VP, et al. **Vestn Khir** 1986 Nov;137(11):8–11 (Eng. Abstr.) **(Rus)**
[Left hepatic necrosis after total gastrectomy] Salvador R, et al. **Rev Esp Enferm Apar Dig** 1986 Sep;70(3):277–80 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

delta-Aminolevulinic acid dehydrase (porphobilinogen synthase) in two families with inherited enzyme deficiency. Doss M, et al. **Clin Genet** 1986 Sep;30(3):191–8
Haptoglobin type and liver disease. Zipprich B, et al. **Hepatogastroenterology** 1986 Oct;33(5):196–8
Impact of modern molecular methods on studies of gastrointestinal and liver diseases. **Hepatology** 1987 Jan–Feb;7(1 Suppl):1S–78S
The expression of ras oncogene in normal and pathological liver disease. Habib NA, et al. **Int Surg** 1986 Jul–Sep; 71(3):182–3
Bile acids and bile alcohols in two patients with Zellweger (cerebro-hepato-renal) syndrome. Délèze G, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep–Oct;5(5):701–10
Hepatoerythropoietic porphyria: clinical, biochemical, and enzymatic studies in a three-generation family lineage. Toback AC, et al. **N Engl J Med** 1987 Mar 12; 316(11):645–50
Hepatitis B virus RNA transcripts and DNA in chronic liver disease. Yokosuka O, et al. **N Engl J Med** 1986 Nov 6; 315(19):1187–92
[Liver diseases in children and their relatives with homozygous and heterozygous alpha 1-antitrypsin deficiency] Deutsch J, et al. **Wien Klin Wochenschr** 1987 Feb 6;99(3):84–91 (Eng. Abstr.) **(Ger)**
[Genetic studies in etiologically different chronic liver diseases] Nilius R, et al. **Z Gesamte Inn Med** 1986 Sep 1; 41(17):482–5 (Eng. Abstr.) **(Ger)**
[The value of the Pi system phenotype in alpha 1-antitrypsin deficiency] Fragoso Arbelo T, et al. **Acta Gastroenterol Latinoam** 1986;16(2):75–80 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Characteristics of IgA deposits in liver and skin of patients with liver disease. van de Wiel A, et al. **Am J Clin Pathol** 1986 Dec;86(6):724–30
Liver-specific F antigen in the serum of patients with liver diseases and the detection of early stage hepatocellular carcinoma. Mori Y, et al. **Clin Chim Acta** 1987 Apr 30; 164(2):127–37
Common lupus anti-DNA antibody idiotypes in chronic liver diseases. Konikoff F, et al. **Clin Immunol Immunopathol** 1987 May;43(2):265–72
Proliferation and immunoglobulin synthesis of peripheral blood mononuclear cells from patients with chronic liver disease stimulated by Staphylococcus aureus Cowan 1 and interleukin 2. Kakumu S, et al. **Gastroenterol Jpn** 1987 Jun; 22(3):337–43
In vitro interferon producing activity of peripheral mononuclear cells in patients with chronic liver disease. Matsushita K, et al. **Gastroenterol Jpn** 1987 Apr; 22(2):166–73
Factors affecting serum levels of CA 19-9 with special reference to benign hepatobiliary and pancreatic diseases. Sawabu N, et al. **Gastroenterol Jpn** 1986 Oct;21(5):491–8
Correlation of hepatitis B virus DNA and antigens in the liver. A study in chronic liver disease. Omata M, et al. **Gastroenterology** 1987 Jan;92(1):192–6
Anticalmodulin autoantibody in liver diseases: a new antibody against a cytoskeleton-related protein. Ikeda Y, et al. **Hepatology** 1987 Mar–Apr;7(2):285–93
Characteristics of serum IgA and liver IgA deposits in alcoholic liver disease. van de Wiel A, et al. **Hepatology** 1987 Jan–Feb;7(1):95–9
Simultaneous AL-type amyloid and light chain deposit disease in a liver biopsy: a case report. Smith NM, et al. **Histopathology** 1986 Oct;10(10):1057–64
Serum secretory IgA, IgA1 and IgA2 subclasses in inflammatory bowel and chronic liver diseases. Soppi E, et al. **J Clin Lab Immunol** 1987 May;23(1):15–7
Expression of tissue polypeptide antigen (TPA) in fetal and adult liver: changes in liver disease. Burt AD, et al. **J Clin Pathol** 1987 Jul;40(7):719–24
Circulating secretory immunoglobulins of the A and M isotypes in chronic liver disease. Kvale D, et al. **J Hepatol** 1987 Apr;4(2):229–35
Expression of MHC products by normal and abnormal bile duct epithelium. Van den Oord JJ, et al. **J Hepatol** 1986; 3(3):310–7
T lymphocyte-dependent evolution of bacterial cell wall-induced hepatic granulomas. Wahl SM, et al. **J Immunol** 1986 Oct 1;137(7):2199–209
The protective effect of hepatic dysfunction on vascularized allograft survival. Roughneen PT, et al. **J Surg Res** 1987 May;42(5):447–53
Immunological studies on liver in Egyptian infants and children. Sherif MA, et al. **J Trop Pediatr** 1986 Dec; 32(6):281–6
Antibodies to liver cytoplasmic protein complex in chronic hepatic disease. Meliconi R, et al. **Lancet** 1987 Mar 21; 1(8534):683–4
Natural killer (NK) cell activity and its in vitro response to interferon-alpha(Le) in chronic liver diseases and hepatocellular carcinoma. Hirai N, et al. **Liver** 1986 Aug; 6(4):212–20
Detection of circulating immune complexes in liver diseases, systemic lupus erythematosus and glomerulonephritis by polyethylene glycol precipitation. Shou L, et al. **Proc Natl Sci Counc Repub China [B]** 1986 Jul;10(3):167–74
Fatal immune hemolytic anemia and hepatic failure associated with a warm-reacting IgM autoantibody. Shirey RS, et al. **Vox Sang** 1987;52(3):219–22
[Hepatitis viral antigens and antibodies against them in chronic liver diseases] Mechkov G, et al. **Vutr Boles** 1986; 25(5):64–7 **(Bul)**
[Immunologic and clinical findings in different liver diseases (statistical studies)] Stosiek P, et al. **Dtsch Z Verdau Stoffwechselkr** 1986;46(3):160–70 (Eng. Abstr.) **(Ger)**
[Binding ratio of rat liver cells to peripheral lymphocytes in patients with liver diseases] Takabatake K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov;83(11):2351–8 (Eng. Abstr.) **(Jpn)**
[Studies on an experimentally-induced acute hepatic failure in mice: low productivity of interleukin 1 and 2] Tsutsui H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 May; 84(5):1090–6 (Eng. Abstr.) **(Jpn)**
[Studies on experimentally induced acute hepatic failure in mice. Characteristics of the hepatocytotoxic factors released from the activated liver adherent cells] Tsutsui H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jun; 83(6):1161–7 (Eng. Abstr.) **(Jpn)**
[Studies on an experimentally induced acute hepatic failure in mice: difference between the hepatotoxic factor and tumor necrosis factor] Tsutsui H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul;83(7):1324–9 (Eng. Abstr.) **(Jpn)**
[HBeAg and anti-HBe antibodies in chronic liver diseases] Bereszyńska I, et al. **Pol Tyg Lek** 1987 Apr 6;42(14):409–12 (Eng. Abstr.) **(Pol)**
[Anti-smooth muscle antibodies in a hospital population] Vieira LM, et al. **Arq Gastroenterol** 1986 Jan–Mar; 23(1):15–20 (Eng. Abstr.) **(Por)**
[Changes in immunologic indices and morphologic disorders in the liver among patients with recurrences of pain after cholecystectomy] Aseev VP. **Klin Khir** 1986;(9):65 **(Rus)**

METABOLISM

Protein synthesis in Ito cells (fat-storing cells) of cultured liver tissues from CCL4-treated mice. A light and electron microscopic autoradiographic study. Enzan H. **Acta Pathol Jpn** 1987 Feb;37(2):225–30
Urinary kininogen: a possible regulator of kinin formation in normal individuals and subjects with essential hypertension, end-stage renal and liver disease. Weinberg MS, et al. **Adv Exp Med Biol** 1986;198 Pt A:119–25
Drug metabolism in patients with liver disease. Secor JW, et al. **Adv Intern Med** 1987;32:379–405 (85 ref.)
Urinary prostaglandin E2 excretion, sodium retention, and diuretic responsiveness in patients with chronic liver disease. Rector WG Jr. **Am J Gastroenterol** 1987 Apr; 82(4):347–51
Zinc abnormalities in fulminant hepatic failure [letter] Watson KJ. **Aust NZ J Med** 1986 Jun;16(3):415–6
Membrane lipid changes in erythrocytes, liver and kidney in acute and chronic experimental liver disease in rats. Kawata S, et al. **Biochim Biophys Acta** 1987 Jan 9; 896(1):26–34
Pharmacokinetics of atracurium in anaesthetized infants and children. Brandom BW, et al. **Br J Anaesth** 1986 Nov; 58(11):1210–3
The disposition of intravenous L-tryptophan in healthy subjects and in patients with liver disease. Rössle M, et al. **Br J Clin Pharmacol** 1986 Dec;22(6):633–8
Interaction of metallothionein and carbon tetrachloride on the protective effect of zinc on hepatotoxicity. Clarke IS, et al. **Can J Physiol Pharmacol** 1986 Aug;64(8):1104–10
Diagnostic accuracy of fibronectin in the differential diagnosis of ascites. Colli A, et al. **Cancer** 1986 Dec 1; 58(11):2489–93
Patterns of ligand binding to normal, regenerating, preneoplastic, and neoplastic rat hepatocytes. Harris L, et al. **Cancer Res** 1987 Aug 1;47(15):3954–8
Development of a method to monitor low molecular mass hydrocarbons in exhaled breath of man: preliminary evaluation of its interest for detecting a lipoperoxidation process in vivo. Hotz P, et al. **Clin Chim Acta** 1987 Feb 15;162(3):303–10
Biochemical changes in liver, kidney and blood associated with common bile duct ligation. Israeli BA, et al. **Clin Chim Acta** 1986 Oct 31;160(2):211–21
Blood and liver selenium concentrations in patients with liver diseases. Välimäki M, et al. **Clin Chim Acta** 1987 Jul 15; 166(2-3):171–6
Deficient cholesterol side chain oxidation in patients without peroxisomes (Zellweger syndrome): evidence for the involvement of peroxisomes in bile acid synthesis in man. Wanders RJ, et al. **Clin Chim Acta** 1987 Feb 15; 162(3):295–301
Peroxisomal very long-chain fatty acid beta-oxidation in human skin fibroblasts: activity in Zellweger syndrome and other peroxisomal disorders. Wanders RJ, et al. **Clin Chim Acta** 1987 Jul 15;166(2-3):255–63
High serum concentrations of mezlocillin in a critically ill patient with renal and hepatic dysfunction. Cooper BE, et al. **Clin Pharm** 1986 Sep;5(9):764–6
Pharmacokinetics of bisoprolol during repeated oral administration to healthy volunteers and patients with kidney or liver disease. Kirch W, et al. **Clin Pharmacokinet** 1987 Aug;13(2):110–7
Biochemistry of hospital nutrition. Special cases. Fellows IW. **Contemp Issues Clin Biochem** 1986;4:159–76 (70 ref.)
[13C]methacetin breath test for evaluation of liver damage. Matsumoto K, et al. **Dig Dis Sci** 1987 Apr;32(4):344–8
Diet and alcohol effects on the manifestation of hepatic porphyrias. Cripps DJ. **Fed Proc** 1987 Apr;46(5):1894–900
Hepatic estrogen receptor in human liver disease. Porter LE, et al. **Gastroenterology** 1987 Mar;92(3):735–45
Hepatic osteodystrophy: vitamin D metabolism in patients with liver disease. Compston JE. **Gut** 1986 Sep; 27(9):1073–90 (128 ref.)
Ammonia kinetics in eight patients with liver disease and in dogs. de Bruijn KM, et al. **Hepatogastroenterology** 1987 Feb;34(1):1–4
Is there increased cerebral sensitivity to benzodiazepines in chronic liver disease? Branch RA. **Hepatology** 1987 Jul–Aug;7(4):773–6
Interferon-gamma production by peripheral blood mononuclear cells of patients with chronic liver disease. Fuji A, et al. **Hepatology** 1987 May–Jun;7(3):577–81
Buflomedil kinetics in patients with liver disease. Rey E, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Aug; 24(8):408–14
Nutrition support of the adult liver transplant candidate. Shronts EP, et al. **J Am Diet Assoc** 1987 Apr;87(4):441–8, 451
Pharmacokinetics of mezlocillin in patients with hepatobiliary dysfunction. Meyers BR, et al. **J Antimicrob Chemother** 1986 Dec;18(6):709–13
Clinical significance of hippurate-synthesizing capacity in surgical patients with liver disease: a metabolic tolerance test. Aoyama H, et al. **J Lab Clin Med** 1986 Nov; 108(5):456–60
Plasma and cerebrospinal fluid nucleosides and oxypurines in acute liver failure. Berlinger WG, et al. **J Lab Clin Med** 1987 Aug;110(2):137–44
Resurrection of the 90% hepatectomy rabbit model of acute liver failure [editorial] Mullen KD. **J Lab Clin Med** 1987 Aug;110(2):128–9
Correlation between extent of liver damage in fulminant hepatic necrosis and complexing of circulating group-specific component (vitamin D-binding protein). Young WO, et al. **J Lab Clin Med** 1987 Jul;110(1):83–90
Kinetics of drug action in disease states. XIX. Effect of experimental liver disease on the neurotoxicity of theophylline in rats. Ramzan IM, et al. **J Pharmacol Exp Ther** 1987 Apr;241(1):236–8
Resting energy expenditure in patients with end-stage liver disease and in normal population. Shanbhogue RL, et al. **JPEN J Parenter Enteral Nutr** 1987 May–Jun;11(3):305–8
State of hepatitis B viral DNA in the liver of patients with hepatocellular carcinoma and chronic liver disease. Hada H, et al. **Liver** 1986 Aug;6(4):189–98
Bentiromide test is not affected in patients with small bowel disease or liver disease. Meyer BM, et al. **Pancreas** 1987; 2(1):44–7
Pharmacology of antimicrobial agents in children with hepatic dysfunction. Lebel MH. **Pediatr Infect Dis** 1986 Nov–Dec;5(6):686–90
Influence of renal and hepatic function on pharmacodynamics and pharmacokinetics of non-depolarizing muscle relaxants. Booij LH. **Pharm Weekbl [Sci]** 1987 Apr 24; 9(2):56–60 (37 ref.)
Pharmacokinetics in liver disease. Breimer DD. **Pharm Weekbl [Sci]** 1987 Apr 24;9(2):79–84 (18 ref.)
Biochemical effects of acute stress on energy metabolism in liver damaged rats. Takagi D, et al. **Physiol Behav** 1987; 40(1):75–83
The effect of acute hepatic injury on the disposition of vitamin A in the rat. Fruncillo RJ, et al. **Res Commun Chem Pathol Pharmacol** 1986 Nov;54(2):283–6
Increased protein catabolism without hypermetabolism after human orthotopic liver transplantation. Shanbhogue RL, et al. **Surgery** 1987 Feb;101(2):146–9
The role of lipid peroxidation in endotoxin-induced hepatic damage and the protective effect of antioxidants. Sugino K, et al. **Surgery** 1987 Jun;101(6):746–52
Alteration of chloral hydrate metabolism in rats with carbon tetrachloride-induced liver damage. Kawamoto T, et al. **Toxicol Lett** 1987 Aug;37(3):263–8
[Clinical value of the determination of primary bile acids in serum and urine in liver diseases] Song YG, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Oct;25(10):604–7, 637 (Eng. Abstr.) **(Chi)**
[Excretion of phenoltetrachlorophthalein in rats with experimental liver injury] Hrnčíř E, et al. **Sb Lek** 1986 Dec;88(12):353–8 (Eng. Abstr.) **(Cze)**
[Interferon and the liver] Poitrine A, et al. **Gastroenterol Clin Biol** 1986 Aug–Sep;10(8–9):589–603 (156 ref.) **(Fre)**
[Hepatic diffusion of ceftriaxone] Lucht F, et al. **Pathol Biol (Paris)** 1986 Jun;34(5 Pt 2):559–60 (Eng. Abstr.) **(Fre)**
[Glucuronidation capacity of the liver. Assessment with the model substrate 4-methylumbelliferone] Kuntz HD. **Fortschr Med** 1987 Mar 20;105(8):149–52 (Eng. Abstr.) **(Ger)**

[Effect of polyunsaturated phosphatidylcholine and vitamin B complex on the metabolism of selenium homotaurocholic acid in patients with chronic liver disease] Indovina I, et al. **Minerva Med** 1987 Mar 31;78(6):369–72 (Eng. Abstr.) **(Ita)**

[Unusual bile acid, 3 beta, 12 alpha–dihydroxy–5–cholenoic acid in hepatobiliary diseases and its significance] Shoda J. **Nippon Shokakibyo Gakkai Zasshi** 1987 Mar;84(3):771 **(Jpn)**

[Glutamate metabolism in cerebral cortex obtained from chronic hepatic failure rats] Ito M, et al. **No To Shinkei** 1986 Sep;38(9):853–7 (Eng. Abstr.) **(Jpn)**

[Trichloroethylene metabolism in chronic liver disorders induced by carbon tetrachloride] Kawamoto T, et al. **Sangyo Igaku** 1986 Jul;28(4):260–5 (Eng. Abstr.) **(Jpn)**

[Evaluation of calcium–phosphorus metabolism in chronic liver diseases in children] Ryżko J, et al. **Pediatr Pol** 1987 Feb;62(2):76–82 (Eng. Abstr.) **(Pol)**

[Clinical significance of disorders of drug kinetics in liver diseases] Bolanowski M, et al. **Pol Arch Med Wewn** 1986 Apr;75(4):288–96 (14 ref.) **(Pol)**

[Determination of collagen biosynthesis in liver diseases is possible by a non–invasive method] Eriksson S. **Lakartidningen** 1986 Nov 26;83(48):4102–6 **(Swe)**

MICROBIOLOGY

Microflora of the biliary tree and liver—clinical correlates. Claesson BE. **Dig Dis** 1986;4(2):93–118 (185 ref.)

Hepatitis B virus DNA in chronic liver disease [letter] **N Engl J Med** 1987 Jul 9;317(2):115–7

[Hepatic brucelloma (pseudotumoral brucellar caseous necrosis of the liver). Study of a case and review of the literature] Davion T, et al. **Gastroenterol Clin Biol** 1987 May;11(5):424–8 (Eng. Abstr.) **(Fre)**

MORTALITY

Trends in mortality from primary liver cancer, cirrhosis of the liver, virus hepatitis, and other liver diseases 1968–1984 in Japan. Huang ZM, et al. **Nagoya J Med Sci** 1987 Mar; 49(1–4):41–52

Late mortality and morbidity after liver transplantation. Iwatsuki S, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2373–7

Influence of end–stage liver failure on survival during multiple systems organ failure. Matuschak GM, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):40–6

OCCURRENCE

Factors affecting the morbidity of elective liver resection. Stimpson RE, et al. **Am J Surg** 1987 Feb;153(2):189–96

Mass screening of hepatobiliary diseases by real–time ultrasonography. Yang PM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Dec;85(12):1144–50

PATHOLOGY

Decreased plasma fibronectin in liver diseases correlated to the severity of fibrotic, inflammatory and necrotic changes of liver tissue. Jitoku M, et al. **Acta Med Okayama** 1986 Aug;40(4):189–94

Atrophy and ductopenia of the right hepatic lobe in a patient with choledocholithiasis. Nakanuma Y, et al. **Acta Pathol Jpn** 1986 Nov;36(11):1719–26

Adult polycystic liver disease and biliary microhamartomas (von Meyenburg's complexes). Karhunen PJ. **Acta Pathol Microbiol Immunol Scand [A]** 1986 Nov; 94(6):397–400

Chronic active hepatitis and hepatic failure in the setting of idiopathic hemochromatosis. Stankoski JA, et al. **Am J Gastroenterol** 1987 Jan;82(1):61–5

Liver allograft rejection. An analysis of the use of biopsy in determining outcome of rejection. Snover DC, et al. **Am J Surg Pathol** 1987 Jan;11(1):1–10

Laparoscopic appearances of liver in chronic liver diseases and its histological correlations. Rasul K, et al. **Bangladesh Med Res Counc Bull** 1986 Dec;12(2):68–73

Formation of granulomas in liver of silica–treated rats. Kanta J, et al. **Br J Exp Pathol** 1986 Dec;67(6):889–99

Orosomucoid as the accelerator of hepatic fibrosis. Ozeki T, et al. **Br J Exp Pathol** 1986 Oct;67(5):731–6

Adult polycystic liver and kidney diseases are separate entities. Karhunen PJ, et al. **Clin Genet** 1986 Jul;30(1):29–37

Ribosome orientation in Mallory bodies [letter] Sternlieb I. **Gastroenterology** 1987 Jul;93(1):218–9

Laparoscopy after intravenous injection of indocyanine green in submassive hepatic necrosis. Sugimoto M, et al. **Gastrointest Endosc** 1987 Apr;33(2):103–5

Assessment of prognosis in advanced liver disease: to score or to measure, that's the question. Bircher J. **Hepatology** 1986 Sep–Oct;6(5):1036–7

Peripheral T–cell lymphoma presenting as predominant liver disease: a report of three cases. Gaulard P, et al. **Hepatology** 1986 Sep–Oct;6(5):864–8

Microcirculatory abnormalities in liver diseases [editorial] Villeneuve JP, et al. **Hepatology** 1987 Jan–Feb;7(1):186–7

Liver disease in pregnancy [letter] Haboubi NY. **Histopathology** 1987 Apr;11(4):442

Distribution patterns of cytokeratin antigen determinants in alcoholic and nonalcoholic liver diseases. Ray MB. **Hum Pathol** 1987 Jan;18(1):61–6

Liver lesions in an autopsy population. Berry CL. **Hum Toxicol** 1987 May;6(3):209–14

Variable severity and Ia antigen expression in streptococcal–cell–wall–induced hepatic granulomas in rats. Allen JB, et al. **Infect Immun** 1987 Mar;55(3):674–9

Adult polycystic liver disease in childhood. A case report. Marcellini M, et al. **Ital J Surg Sci** 1986;16(3):217–21

Giant solitary non–parasitic hepatic cyst. Nanivadekar SA, et al. **J Assoc Physicians India** 1986 Jun;34(6):442–3

Hepatic granulomas: profile and follow–up of 10 cases responding to antituberculous therapy. Plumber ST, et al. **J Assoc Physicians India** 1987 Mar;35(3):207–9

Hepatocellular adenoma and nodular regenerative hyperplasia of the liver in a young man. Nguyen TD, et al. **J Clin Gastroenterol** 1986 Aug;8(4):478–82

Hepatic lesions in experimental Campylobacter jejuni infection of mice. Kita E, et al. **J Gen Microbiol** 1986 Nov; 132 (Pt 11):3095–103

Pathologic anatomy and patterns of occurrence of hepatic neoplasms, putative preneoplastic lesions, and other idiopathic hepatic conditions in English sole (Parophrys vetulus) from Puget Sound, Washington. Myers MS, et al. **JNCI** 1987 Feb;78(2):333–63 (156 ref.)

Portal tract lipogranulomas in liver biopsies. Delladetsima JK, et al. **Liver** 1987 Feb;7(1):9–17

Immunohistochemical study on bile ductular proliferation in various hepatobiliary diseases. Nakanuma Y, et al. **Liver** 1986 Aug;6(4):205–11

The cytoskeleton of hepatocytes in health and disease. French SW, et al. **Monogr Pathol** 1987;(28):95–112 (139 ref.)

New developments in diagnostic liver pathology. Ishak KG. **Monogr Pathol** 1987;(28):223–373 (921 ref.)

Focal nodular hyperplasia of the liver. Report of a case with immunohistochemical demonstration of CEA and AFP. Cavaliere A, et al. **Pathologica** 1986 Jul–Aug; 78(1056):537–43

Terminal erythrohepatic protoporphyria. Zawirska B, et al. **Patol Pol** 1986 Jan–Mar;37(1):74–81

Quantitative estimation of liver attenuation and echogenicity: normal state versus diffuse liver disease. Garra BS, et al. **Radiology** 1987 Jan;162(1 Pt 1):61–7

Cytoskeleton in liver disease. Denk H, et al. **Semin Liver Dis** 1986 Aug;6(3):199–211 (112 ref.)

Hepatic morphology in the inherited metabolic diseases. Ishak KG. **Semin Liver Dis** 1986 Aug;6(3):246–58 (106 ref.)

General pathology of the liver: light microscopic aspects serving diagnosis and interpretation. Popper H. **Semin Liver Dis** 1986 Aug;6(3):175–84

National Toxicology Program nomenclature for hepatoproliferative lesions of rats. Maronpot RR, et al. **Toxicol Pathol** 1986;14(2):263–73

Pattern recognition methods for optimizing multivariate tissue signatures in diagnostic ultrasound. Insana MF, et al. **Ultrason Imaging** 1986 Jul;8(3):165–80

Fatal copper storage disease of the liver in a German infant resembling Indian childhood cirrhosis. Müller–Höcker J, et al. **Virchows Arch [A]** 1987;411(4):379–85

[Polycystosis of the liver with a case report] Viiachki I, et al. **Khirurgiia (Sofiia)** 1986;39(6):67–8 **(Bul)**

[Case of sarcoidosis with predominant involvement of the liver and lymph nodes] Brailski Kh, et al. **Vutr Boles** 1986; 25(4):83–91 (Eng. Abstr.) **(Bul)**

[Sonographic diagnosis of fetal liver cysts] Schramm T, et al. **Geburtshilfe Frauenheilkd** 1987 Feb;47(2):124–7 (Eng. Abstr.) **(Ger)**

[Spontaneous liver rupture in eclampsia] Seeler M, et al. **Geburtshilfe Frauenheilkd** 1987 May;47(5):346–8 (Eng. Abstr.) **(Ger)**

[Significance of liver biopsy in cholecystectomy] Rassek D, et al. **Med Klin** 1986 May 27;81(12):419–22 (Eng. Abstr.) **(Ger)**

[Ultrasound–guided incisional biopsy in generalized and focal diseases of the liver] Antonucci F, et al. **Ultraschall Med** 1986 Oct;7(5):203–8 (Eng. Abstr.) **(Ger)**

[Nodular regenerative hyperplasia of the liver] Nagy P, et al. **Morphol Igazsagugyi Orv Sz** 1987 Jan;27(1):61–4 (Eng. Abstr.) **(Hun)**

[Role of liver biopsy in the diagnosis and therapeutic management of liver diseases] Tarantino G, et al. **Clin Ter** 1986 Aug 15;118(3):201–11 (92 ref.) (Eng. Abstr.) **(Ita)**

[Liver biopsy. Case series in a department of general medicine] Verani DA, et al. **Minerva Med** 1986 Sep 22; 77(36):1615–9 (Eng. Abstr.) **(Ita)**

[Focal nodular hyperplasia of the liver. Anatomo–pathologic and clinico–radiologic evaluation] Mauri MF, et al. **Pathologica** 1986 Sep–Oct;78(1057):603–11 (Eng. Abstr.) **(Ita)**

[Induction of general anesthesia with ketamine for short surgical interventions in pediatric patients with chronic hepatic pathologies] Portaleone D, et al. **Pediatr Med Chir** 1986 Mar–Apr;8(2):281–4 (Eng. Abstr.) **(Ita)**

[A case of abdominal sarcoidosis] Periti M, et al. **Recenti Prog Med** 1986 Nov;77(11):520–2 (Eng. Abstr.) **(Ita)**

[Experimental study on rat hepatic injury by copper—effect of copper overload on the cholestatic liver induced by bile duct ligation] Shibuya H. **Hokkaido Igaku Zasshi** 1987 May; 62(3):434–41 (Eng. Abstr.) **(Jpn)**

[Hematopoietic stem cell count of bone marrow in hepatic lesions of different origin] Alekseeva IN, et al. **Fiziol Zh** 1986 Sep–Oct;32(5):569–75 (Eng. Abstr.) **(Rus)**

[Spontaneous rupture of the liver] Matsuk IK, et al. **Klin Khir** 1986;(9):67 **(Rus)**

[Liver biopsy in the diagnosis of sarcoidosis] Anisimov LL, et al. **Klin Med (Mosk)** 1987 Apr;65(4):97–9 (Eng. Abstr.) **(Rus)**

[Morphogenesis and pathogenesis of intrahepatic vascular lesions in the acute and chronic stages of experimental opisthorchiasis] Glumov VIa, et al. **Med Parazitol (Mosk)** 1986 Sep–Oct;(5):24–9 (Eng. Abstr.) **(Rus)**

[Value of studies of the portal tracts in the differential diagnosis of congenital and acquired diseases of the liver in children (morphometric method)] Potapova–Vinogradova IN, et al. **Pediatriia** 1986 Sep; (9):23–6 **(Rus)**

[Diffuse polyposis of the large intestine with polycystosis of the liver and kidneys] Gusev VI, et al. **Vestn Khir** 1987 Apr;138(4):61–2 **(Rus)**

[Histostructural changes in the lymphoid organs in liver lesions of various etiology] Pavlovich SI, et al. **Vrach Delo** 1987 May;(5):24–7 (Eng. Abstr.) **(Rus)**

[Malignant histiocytic proliferation. Study of a patient] Pérez–Vidal R, et al. **Med Clin (Barc)** 1986 Oct 4; 87(10):421–3 (Eng. Abstr.) **(Spa)**

[Primary hepatic actinomycosis] Suárez J, et al. **Rev Med Univ Navarra** 1987 Jan–Mar;31(1):31–5 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Artificial liver support for postoperative hepatic failure with anion exchange resin (BR–601). Sakagami K, et al. **Acta Med Okayama** 1986 Oct;40(5):249–55

Trace elements and the liver. Ritland S, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:195–201

Wilson's disease and liver failure in childhood. Sagen E, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:236–9

Progressive neuronal degeneration of childhood (PNDC) with liver disease. Egger J, et al. **Clin Pediatr (Phila)** 1987 Apr;26(4):167–73

Brain–stem auditory evoked potentials in different types of hepatic diseases. Chu NS, et al. **Electroencephalogr Clin Neurophysiol** 1987 Oct;67(4):337–9

Immediate effects of furosemide on renal hemodynamics in chronic liver disease with ascites. Daskalopoulos G, et al. **Gastroenterology** 1987 Jun;92(6):1859–63

What should hepatologists know about membrane fluidity? Harris RA, et al. **Hepatology** 1987 Jan–Feb;7(1):177–80 (45 ref.)

The effects of galactosamine–induced hepatic failure upon blood–brain barrier permeability. Lo WD, et al. **Hepatology** 1987 May–Jun;7(3):452–6

Regulatory modulation in hepatology. Popper H. **Hepatology** 1987 May–Jun;7(3):586–90

Recurrent disease in patients with liver transplantation: when does it occur and how can we be sure? Van Thiel DH, et al. **Hepatology** 1987 Jan–Feb;7(1):181–3

Hepatic dysfunction during bacterial sepsis. Gimson AE. **Intensive Care Med** 1987;13(3):162–6

A reproducible model of acute hepatic failure by transient ischemia in the pig. de Groot GH, et al. **J Surg Res** 1987 Jan;42(1):92–100

Hepatic masses. Elias EG. **Md Med J** 1987 May;36(5):407–8

Partial proceedings of the scientific program of the 17th annual meeting of the American Society for Neurochemistry: Neurochemical consequences of hepatic disease. Montreal, March 16–21, 1986. **Neurochem Pathol** 1987 Feb–Apr;6(1–2):1–166

Biological significance and prognostic role of opsonic activity for Kupffer cell phagocytosis in experimental liver injuries and partially hepatectomized patients. Arii S. **Nippon Geka Hokan** 1986 Sep 1;55(5):653–61

Cardiovascular function and amine metabolism in liver disease. Bomzon A, et al. **Rev Clin Basic Pharm** 1985 Jan–Jun;5(1–2):71–98 (70 ref.)

Effects of pregnancy and sex hormones on the liver. **Semin Liver Dis** 1987 Feb;7(1):1–66

Course and prognosis of pregnancy in women with liver disease. Varma RR. **Semin Liver Dis** 1987 Feb;7(1):59–66 (102 ref.)

[Assessment of liver function with the 13C methacetin breath test] Tang ZD, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Dec;25(12):722–4, 775 (Eng. Abstr.) **(Chi)**

[Exercise testing in patients with hepatic failure] Hiraishi S, et al. **Kokyu To Junkan** 1987 Feb;35(2):171–6 (Eng. Abstr.) **(Jpn)**

[Studies on peripheral hemodynamics in chronic liver disease] Terada H. **Nippon Ika Daigaku Zasshi** 1986 Oct; 53(5):483–97 (Eng. Abstr.) **(Jpn)**

[Splenic blood flow in liver disease—blood flow measurement in the splenic artery using an ultrasonic duplex system] Nakamura T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul;83(7):1311–7 (Eng. Abstr.) **(Jpn)**

[Changes in central hemodynamics in chronic liver diseases (radiocardiologic study)] Loginov AS, et al. **Med Radiol (Mosk)** 1987 Apr;32(4):26–30 (Eng. Abstr.) **(Rus)**

[Hepatorenal polycystic disease in the adult (Potter type III) (letter)] Morales JM, et al. **Med Clin (Barc)** 1987 Jun 20; 89(4):174–5 **(Spa)**

PREVENTION & CONTROL

The drug methoxsalen, a suicide substrate for cytochrome P-450, decreases the metabolic activation, and prevents the hepatotoxicity, of carbon tetrachloride in mice. Labbe G, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):907–14

Effect of a cysteine prodrug, L-2-oxothiazolidine-4-carboxylic acid, on the metabolism and toxicity of bromobenzene: an acute study. Brodeur J, et al. **Can J Physiol Pharmacol** 1987 May;65(5):816–22

Effect of H2-receptor antagonists on acetaminophen-induced hepatic injury. Murase T, et al. **Jpn J Pharmacol** 1986 Aug; 41(4):467–73

The effects of somatostatin and SMS 201-995 on experimentally-induced pancreatitis and endotoxaemia in rats and on monocyte activity in patients with cirrhosis and portal hypertension. Jenkins SA, et al. **Klin Wochenschr** 1986;64 Suppl 7:100–6

Toxicity of polycyclic aromatic hydrocarbons. III. Effects of beta-naphthoflavone pretreatment on hepatotoxicity of compounds produced in the ozonation or NO2-nitration of phenanthrene and pyrene in rats. Yoshikawa T, et al. **Vet Hum Toxicol** 1987 Apr;29(2):113–7

PSYCHOLOGY

Cerebral CT scan abnormalities in cholestatic and hepatocellular disease and their relationship to neuropsychologic test performance. Bernthal P, et al. **Hepatology** 1987 Jan–Feb;7(1):107–14

The psycho-social impact of a liver transplant programme. Tymstra T, et al. **Liver** 1986 Oct;6(5):302–9

RADIOGRAPHY

Computed tomography of the liver after biopsy. Malone DE, et al. **Clin Radiol** 1987 Jan;38(1):97–9

Experience with endoscopic retrograde cholangiopancreatography in Zimbabwe. Macdougall CN. **East Afr Med J** 1986 Sep;63(9):613–7

Tertiary syphilis of the liver: CT appearance. Shapiro MP, et al. **J Comput Assist Tomogr** 1987 May–Jun;11(3):546–7

Gaucher disease of the liver: CT appearance. Glass RB, et al. **Pediatr Radiol** 1987;17(5):417–8

Intra-arterial digital angiography of the liver: comparison with conventional angiography. Gattoni F, et al. **Rays** 1986 Jan–Apr;11(1):91–6

A comparison of zixoryn and phenobarbital induced infusion cholangiography in hepatic patients. Várkonyi S, et al. **Ther Hung** 1985;33(3):160–3

[A voluminous hepatic pseudocyst: metastasis of a carcinoid tumor of the ileum] Bremer A, et al. **Acta Gastroenterol Belg** 1986 Sep–Oct;49(5):517–24 (Eng. Abstr.) **(Fre)**

[The inferior vena cava in hepatic pathology: anatomy, behavior, therapy] Bourgeon R, et al. **Bull Acad Natl Med (Paris)** 1986 Oct;170(7):951–7 (Eng. Abstr.) **(Fre)**

[Complex angiographic examination and hemodynamics study in amyloidosis of the liver] Tatochenko KV, et al. **Ter Arkh** 1987;59(2):110–1 **(Rus)**

RADIONUCLIDE IMAGING

Radionuclide imaging of primary tumors and tumor-like conditions of the liver. Drane WE, et al. **Clin Nucl Med** 1987 Jul;12(7):569–82

Hepatic amyloidosis in an i.v. drug abuser detected by bone scintigraphy. Ferraro EM, et al. **Clin Nucl Med** 1987 Apr; 12(4):274–6

Incidentally evaluating the status of renal function in technetium-99m DISIDA hepatobiliary imaging. Shih WJ, et al. **Clin Nucl Med** 1986 Dec;11(12):860–4

Calculations in feature extraction of space-occupying lesions [letter] Arora SS. **J Nucl Med** 1987 May;28(5):927–8

Radionuclide imaging in a case of tertiary syphilis involving the liver and bones. Cronin EB, et al. **J Nucl Med** 1987 Jun;28(6):1047–51

Diffuse hepatic uptake of technetium-99m methylene diphosphonate in a patient receiving high dose methotrexate. Flynn BM, et al. **J Nucl Med** 1987 Apr; 28(4):532–4

17-Iodine-123 iodoheptadecanoic acid for metabolic liver studies in humans. Höck A, et al. **J Nucl Med** 1986 Oct; 27(10):1533–9

Analysis of the 99mTc-IDA radiohepatogram by a gamma-variate function: a clinical study. Galli G, et al. **J Nucl Med Allied Sci** 1986 Apr–Sep;30(2–3):117–24

Estimation of portal-systemic shunting by rectal infusion of radiotracer. Piga M, et al. **J Nucl Med Allied Sci** 1986 Oct–Dec;30(4):197–203

Is SPECT of the spleen worthwhile in the evaluation of liver disease severity? Alstead EM, et al. **Nucl Med Commun** 1987 Jan;8(1):33–43

Long-term clinical investigation of the hepatobiliary agents: 99mTc-HIDA and 99mTc-p-butyl-IDA. Agha NH, et al. **Nuklearmedizin** 1986 Oct;25(5):181–7

The quantitative approach to the 99mTc-IDA radiohepatogram: clinical testing of three methods. Galli G, et al. **Rays** 1985 Sep–Dec;10(3):105–18

Abdominal SPECT imaging. Van Heertum RL, et al. **Semin Nucl Med** 1987 Jul;17(3):230–46 (79 ref.)

[Regional liver circulation and scintigraphic imaging of portal circulation with 133Xe] Kroiss A. **Acta Med Austriaca [Suppl]** 1984;31:1–28 (Eng. Abstr.) **(Ger)**

[Morphofunctional evaluation of hepatic injury in porphyria cutaneous tarda by isotopic diagnosis with radiocolloids and bilio-tropic tracers] Biolcati GF, et al. **Minerva Dietol Gastroenterol** 1987 Jan–Mar;33(1):33–8 (Eng. Abstr.) **(Ita)**

[Evaluation of portal circulation by 99mTcO4-scintigraphy per-rectal] Shiomi S, et al. **Kaku Igaku** 1987 Apr; 24(4):407–15 (Eng. Abstr.) **(Jpn)**

[Liver scintigraphy] Odano I. **Rinsho Byori** 1986 Jun;34 Spec No 67:162–73 **(Jpn)**

SURGERY

A review of liver transplantation for gastroenterologists. Wood RP, et al. **Am J Gastroenterol** 1987 Jul;82(7):593–606 (92 ref.)

Optimizing surgical management of symptomatic solitary hepatic cysts. Edwards JD, et al. **Am Surg** 1987 Sep; 53(9):510–4

Atypical serum cholinesterase eliminated by orthotopic liver transplantation. Khoury GF, et al. **Anesthesiology** 1987 Aug;67(2):273–4

Cardiovascular depression secondary to ionic hypocalcemia during hepatic transplantation in humans. Marquez J, et al. **Anesthesiology** 1986 Nov;65(5):457–61

Nonparasitic cysts of the liver. The case for conservative surgical management. Litwin DE, et al. **Ann Surg** 1987 Jan;205(1):45–8

Hemodynamics and coagulation in experimental auxiliary liver transplantation during fulminant hepatic failure. Reuvers CB, et al. **Ann Surg** 1986 Nov;204(5):552–8

Liver transplantation. **Arch Dis Child** 1986 Dec;61(12):1250

Anaesthesia and perioperative care for patients with liver disease. Farman J. **Br J Hosp Med** 1986 Dec;36(6):448–52

Anaesthesia and liver disease. McEvedy BA, et al. **Br J Hosp Med** 1986 Jul;36(1):26–8, 30–2, 34

Orthotopic liver transplantation: postoperative complications and their management. Kirby RM, et al. **Br J Surg** 1987 Jan;74(1):3–11

Anesthesia considerations for orthotopic liver transplantation. Borland LM, et al. **Contemp Anesth Pract** 1987;10:157–82

Orthotopic liver transplantation for acute and subacute hepatic failure in adults. Peleman RR, et al. **Hepatology** 1987 May–Jun;7(3):484–9

Liver transplantation before 1 year of age. Esquivel CO, et al. **J Pediatr** 1987 Apr;110(4):545–8

Transplantation in fulminant hepatic failure [letter] O'Grady JG, et al. **Lancet** 1986 Nov 22;2(8517):1227

Selection criteria and decisions in 375 patients with liver disease, considered for liver transplantation during 1977–1985. van der Putten AB, et al. **Liver** 1987 Apr; 7(2):84–90

Liver transplantation in Groningen--long-term survivors in the first cohort. Gips CH. **Neth J Med** 1986;29(11):357–8

Liver transplantation in patients with patent splenorenal shunts. Esquivel CO, et al. **Surgery** 1987 Apr;101(4):430–2

On auxiliary transplantation in acute liver failure [letter] Lilly JR, et al. **Surgery** 1987 Feb;101(2):252

Criteria of selection for liver transplantation. Samuel D, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2383–6

Biliary tract complications in human orthotopic liver transplantation. Lerut J, et al. **Transplantation** 1987 Jan; 43(1):47–51

[Surgical methods of treating acute endo- and exotoxicoses] Stoianova M, et al. **Khirurgiia (Sofiia)** 1986;39(6):57–63 (30 ref.) **(Bul)**

[Indications for liver transplantation in 1986] Adler M. **Acta Gastroenterol Belg** 1986 Mar–Apr;49(2):145–53 (Eng. Abstr.) **(Fre)**

[Is subcapsular hematoma of the liver on a benign tumor a surgical emergency?] Samama G, et al. **Ann Chir** 1986 May;40(4):237–9 (Eng. Abstr.) **(Fre)**

[Liver transplantation] Bismuth H, et al. **Ann Med Interne (Paris)** 1987;138(3):207–14 (48 ref.) **(Fre)**

[Liver transplantation: new indications, new results] Bismuth H, et al. **Bull Acad Natl Med (Paris)** 1986 Oct;170(7):871–80 (Eng. Abstr.) **(Fre)**

[The irresistible advent of hepatic transplantation] Bismuth H. **Gastroenterol Clin Biol** 1986 Dec;10(12):789–92 **(Fre)**

[What is the potential number of indications for liver grafts in France per year?] Pouyet M, et al. **Gastroenterol Clin Biol** 1986 Dec;10(12):793–8 (Eng. Abstr.) **(Fre)**

[Liver transplantation: children] Takvorian P. **Pediatrie** 1987; 42(1):21–7 **(Fre)**

[Liver transplantation. Indications and results in adults (editorial)] Benhamou JP. **Presse Med** 1987 Apr 25; 16(15):705–7 **(Fre)**

[Preventive surgical indications in liver and bile duct surgery] Pichlmayr R, et al. **Chirurg** 1987 May;58(5):316–21 **(Ger)**

[Indications for liver transplantation] Pichlmayr R. **Dtsch Med Wochenschr** 1987 Jan 2;112(1):20–2 **(Ger)**

[Liver transplantation. Current status and indications] Pichlmayr R, et al. **Internist (Berlin)** 1987 Jan;28(1):1–7 **(Ger)**

[Intraoperative ultrasound study in surgery] Klotter HJ, et al. **Ultraschall Med** 1986 Oct;7(5):224–30 (Eng. Abstr.) **(Ger)**

[Liver transplantation in childhood] Burdelski M, et al. **Wien Klin Wochenschr** 1986 Aug 29;98(16):551–5 (Eng. Abstr.) **(Ger)**

[Liver transplantation--indications and postoperative course] Piza F, et al. **Wien Klin Wochenschr** 1986 Dec 19; 98(24):838–42 (Eng. Abstr.) **(Ger)**

[Value of liver transplantation--change in perspectives] Pichlmayr R, et al. **Z Gastroenterol** 1987 Mar;25 Suppl 2:17–21 **(Ger)**

[Postoperative coma caused by liver failure] Kremer B, et al. **Zentralbl Chir** 1986;111(19):1166–70 (Eng. Abstr.) **(Ger)**

[Hepatic resection on demand in a case of abscessed hepatic granuloma secondary to brucellosis focus] Di Palo S, et al. **Minerva Chir** 1987 May 31;42(10):869–71 (Eng. Abstr.) **(Ita)**

[Invasive procedures monitored by computerized tomography in diseases of the hepato-pancreatico duodenal area] Todua FI, et al. **Khirurgiia (Mosk)** 1986 Oct; (10):27–31 (Eng. Abstr.) **(Rus)**

[Liver transplantation. Possibilities in Venezuela] Lecuna Torres V. **GEN** 1986 Jan–Mar;40(1):32–41 (Eng. Abstr.) **(Spa)**

THERAPY

Innovation in blood purification for hepatic failure: direct photoirradiation of plasma. Totsune K. **ASAIO Trans** 1986 Jul–Sep;32(1):138–42

Conservative management of spontaneous rupture of the liver in pregnancy [letter] Katzoulov A. **Br J Obstet Gynaecol** 1987 May;94(5):491

Conservative management of spontaneous rupture of the liver in pregnancy. Case report. Woodhouse DR. **Br J Obstet Gynaecol** 1986 Oct;93(10):1097–9

The American Liver Foundation celebrates 10 years of achievement by establishing the Liver Scholar Award [editorial] Hofmann AF, et al. **Hepatology** 1986 Nov–Dec; 6(6):1422

Fibronectin and liver disease [editorial] Mosher DF. **Hepatology** 1986 Nov–Dec;6(6):1419–21

Plasmapheresis in acute liver failure. Freeman JG, et al. **Int J Artif Organs** 1986 Nov;9(6):433–8

Bioartificial liver: implanted artificial cells microencapsulated living hepatocytes increases survival of liver failure rats. Wong H, et al. **Int J Artif Organs** 1986 Sep;9(5):335–6

Sickle cell hepatopathy: diagnosis and treatment with exchange transfusion. Horn A, et al. **J Am Osteopath Assoc** 1987 Feb;87(2):130–3

Cerebral metabolism during cross-circulation in experimental hepatic failure in the pig. Tønnesen K. **Liver** 1986 Oct; 6(5):268–74

Cross-circulation in experimental hepatic failure in the pig. Tønnesen K. **Liver** 1986 Oct;6(5):262–7

Liver transplantation for end-stage liver disease [editorial] Vogten AJ. **Neth J Med** 1986;29(8):233–4

Medical management of the infant or child with chronic liver disease. Sokol RJ. **Semin Liver Dis** 1987 May;7(2):155–67 (145 ref.)

Hybrid bioartificial liver in hepatic failure: preliminary clinical report. Matsumura KN, et al. **Surgery** 1987 Jan; 101(1):99–103

Blood purification of bilirubin and bile acids by plasma exchange for patients with liver failure. Matsubara S, et al. **Tohoku J Exp Med** 1986 Sep;150(1):83–90

Pediatric liver transplantation: the Dallas experience. Andrews W, et al. **Transplant Proc** 1987 Aug;19(4):3267–76

Liver transplantation in children: the Hannover experience. Burdelski M, et al. **Transplant Proc** 1987 Aug;19(4):3277–81

Postoperative care in pediatric orthotopic liver transplantation. Clément de Cléty S, et al. **Transplant Proc** 1987 Aug;19(4):3338–43

Volume reduction of the liver graft before orthotopic transplantation: report of a clinical experience in 11 cases. de Hemptinne B, et al. **Transplant Proc** 1987 Aug; 19(4):3317–22

Monitoring of orthotopic liver transplantation in children by means of serial graft biopsies. de Ville de Goyet J, et al. **Transplant Proc** 1987 Aug;19(4):3323–6

Is multiple organ failure a contraindication for liver transplantation in children? Esquivel CO, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):47–8

Preoperative nutritional evaluation and support for liver transplantation in children. Goulet OJ, et al. **Transplant Proc** 1987 Aug;19(4):3249–55

Pediatric liver transplantation at UCLA. Hiatt JR, et al. **Transplant Proc** 1987 Aug;19(4):3282–8

Liver disorders in children: the indications for liver replacement in parenchymal and metabolic diseases. Mowat AP. **Transplant Proc** 1987 Aug;19(4):3236–41

Liver transplantation in children: report of 2 1/2 years' experience at the University of Louvain Medical School in Brussels. Otte JB, et al. **Transplant Proc** 1987 Aug; 19(4):3289–302

The changing indications for liver transplantation. Schade RR. **Transplant Proc** 1987 Aug;19(4 Suppl 3):2–6

Pediatric liver transplantation: patient evaluation and selection, infectious complications, and life-style after transplantation. Zitelli BJ, et al. **Transplant Proc** 1987 Aug; 19(4):3309–16

Effect of hyperoxia on liver necrosis induced by hepatotoxins. Marzella L, et al. **Virchows Arch [B]** 1986; 51(6):497–507

[Therapeutic use of hemoperfusion in internal medicine] Horký J, et al. **Cas Lek Cesk** 1987 Feb 20;126(8):225–31 (Eng. Abstr.) **(Cze)**

[Hepatocyte transplantation – development of a clinical model] Henne-Bruns D, et al. **Z Gastroenterol [Verh]** 1987 Apr;22:61–5 **(Ger)**

[Initial clinical experience using an interdisciplinary management concept for pregnant patients with liver damage] Nieder J, et al. **Zentralbl Gynakol** 1987; 109(3):157–63 (Eng. Abstr.) **(Ger)**

[Hepatocellular transplant in the treatment of acute hepatic failure. An experimental study in rats] Longo S, et al. **Minerva Chir** 1986 Oct 15;41(19):1549–53 (Eng. Abstr.) **(Ita)**

[Treatment principles and methods in acute liver and kidney failure] Shimanko II, et al. **Anesteziol Reanimatol** 1986 Sep–Oct;(5):10–4 (Eng. Abstr.) **(Rus)**

[Hemoperfusion through a mixture of living donor hepatocytes in the treatment of severe hepatic failure] Margulis MS, et al. **Khirurgiia (Mosk)** 1987 Feb;(2):107–10 **(Rus)**

[Use of hemosorption in the treatment of patients with chronic liver diseases] Radchenko VG, et al. **Ter Arkh** 1987;59(2):118–21 (Eng. Abstr.) **(Rus)**

[Extracorporeal hemoperfusion in acute fulminant hepatic failure associated with paracetamol poisoning] Weiss LG, et al. **Lakartidningen** 1987 Apr 29;84(18):1559–61 **(Swe)**

URINE

Increased urine level of amino-terminal peptide derivatives of type III procollagen in patients with liver diseases. Koide N, et al. **Acta Med Okayama** 1986 Oct;40(5):243–7

Predictive value of random sample urine bile acids corrected by creatinine in liver disease. Simko V, et al. **Hepatology** 1987 Jan–Feb;7(1):115–21

Multi-component analysis of urine of dogs with liver diseases by high-performance liquid chromatography. Abe Y, et al. **J Chromatogr** 1987 Jan 16;386:11–7

Radioimmunoassay of urinary 3 beta-hydroxy-5-cholenoyl glycine in hepatobiliary disease. Yamauchi S, et al. **Steroids** 1986 Feb–Mar;47(2–3):143–55

VETERINARY

Escherichia coli-induced lung and liver dysfunction in dogs: effects of flunixin meglumine treatment. Hardie EM, et al. **Am J Vet Res** 1987 Jan;48(1):56–62

Crystal-associated cholangiohepatopathy and photosensitisation in lambs. Button C, et al. **Aust Vet J** 1987 Jun;64(6):176–80

Hepatic inclusion bodies in the liver of a koala (Phascolarctos cinereus). Condron RJ, et al. **Aust Vet J** 1986 Nov; 63(11):387–8

Dietary estrogens—a probable cause of infertility and liver disease in captive cheetahs. Setchell KD, et al. **Gastroenterology** 1987 Aug;93(2):225–33

Liver diseases in the Indian pekin duck associated with a human hepatitis-B like virus (ICRON). Mehrotra R, et al. **Indian J Med Res** 1987 Apr;85:347–57

Distal renal tubular acidosis and hepatic lipidosis in a cat. Brown SA, et al. **J Am Vet Med Assoc** 1986 Nov 15; 189(10):1350–2

Toxic hepatopathy and intrahepatic cholestasis associated with phenytoin administration in combination with other anticonvulsant drugs in three dogs. Bunch SE, et al. **J Am Vet Med Assoc** 1987 Jan 15;190(2):194–8

Bile acid concentrations in the diagnosis of hepatobiliary disease in the cat. Center SA, et al. **J Am Vet Med Assoc** 1986 Oct 15;189(8):891–6

Clinical report, "Hepatic necrosis following halothane anesthesia in goats," viewed as unacceptable [letter]Lumb WV, et al. **J Am Vet Med Assoc** 1987 May 1;190(9):1076–7

Changes in hepatic function tests to induced toxicity in the bovine liver. Bartholomew ML, et al. **J Anim Sci** 1987 Jan;64(1):201–9

Serum bile acid determination for assessment of hepatic injury in the woodchuck. Leveille CR, et al. **Lab Anim Sci** 1987 Apr;37(2):224–8

Hepatic and spinal lesions in goats chronically intoxicated with cycasin. Shimizu T, et al. **Nippon Juigaku Zasshi** 1986 Dec;48(6):1291–5

Ovine hepatogenous photosensitivity caused by the plant Nidorella foetida (Thunb.) DC. (Asteraceae). Schneider DJ, et al. **Onderstepoort J Vet Res** 1987 Mar;54(1):53–7

Serious losses in rainbow trout (Salmo gairdneri) associated with hepatocellular ceroidosis. Holliman A, et al. **Vet Rec** 1986 Aug 23;119(8):179

Liver abnormality in broilers. Randall CJ, et al. **Vet Rec** 1986 Dec 6;119(23):576

Diagnostic value of tissue biopsy in gastrointestinal and liver disease. Simpson JW, et al. **Vet Rec** 1987 Mar 7; 120(10):230–3 (17 ref.)

[Changes in the activity of serum enzymes and other paraclinical indices in experimental liver damage in calves] Abrashev N, et al. **Vet Med Nauki** 1987;24(2):46–51 (Eng. Abstr.) **(Bul)**

[Liver diseases in high-production cows with ruminal acidosis] Ivanov IB, et al. **Vet Med Nauki** 1987;24(2):24–9 (Eng. Abstr.) **(Bul)**

[Note on the anatomo-pathological aspects and etiopathogenesis of the livers of cattle rejected at the S.G.A. abattoir of Lubumbashi (Zaire)] Mimbwi SK, et al. **Rev Elev Med Vet Pays Trop** 1985;38(4):398–405 (Eng. Abstr.) **(Fre)**

[Liver dystrophy in hares. Pathology and epidemiologic studies of the death of hares in central Hesse] Eskens U, et al. **Tierarztl Prax** 1987;15(2):229–35 (Eng. Abstr.) **(Ger)**

[Ultrasonic studies of the liver in dogs and cats] Schmidt S. **Tierarztl Prax** 1987;15(1):57–62 (Eng. Abstr.) **(Ger)**

LIVER DISEASES, ALCOHOLIC

Liver disorders in alcoholism. Jenkins W. **Contemp Issues Clin Biochem** 1984;1:258–70 (63 ref.)

BLOOD

Effect of ethanol challenge on serum glycoproteins in alcoholic and non-alcoholic liver disease. Cobden I, et al. **Alcohol Alcohol** 1987;22(3):257–63

Serum procollagen type III N-terminal peptides and laminin P1 peptide in alcoholic liver disease. Nouchi T, et al. **Alcoholism (NY)** 1987 Jun;11(3):287–91

Plasma fatty acid pattern including diene-conjugated linoleic acid in ethanol users and patients with ethanol-related liver disease. Szebeni J, et al. **Alcoholism (NY)** 1986 Dec; 10(6):647–50

Depressed selenium and vitamin E levels in an alcoholic population. Possible relationship to hepatic injury through increased lipid peroxidation. Tanner AR, et al. **Dig Dis Sci** 1986 Dec;31(12):1307–12

Apolipoprotein AI and alcoholic liver disease. Poynard T, et al. **Hepatology** 1986 Nov–Dec;6(6):1391–5

Alphafetoprotein, cancer, and benign conditions [letter] Staples J. **Lancet** 1986 Nov 29;2(8518):1277

Comparison of methods for determination of testosterone and non-protein bound testosterone in men with alcoholic liver disease. Gluud C, et al. **Scand J Clin Lab Invest** 1986 Nov; 46(7):647–53

Spontaneous IgA synthesis by blood mononuclear cells in alcoholic liver disease. Van de Wiel A, et al. **Scand J Immunol** 1987 Feb;25(2):181–7

Gastrointestinal hormones in alcoholic patients with and without liver disease. Dinsmore WW, et al. **Ulster Med J** 1986 Oct;55(2):140–6

[Serum lipoproteins and alcoholic diseases of the liver] Pignon JP, et al. **Gastroenterol Clin Biol** 1987 Jun–Jul; 11(6–7):460–72 (101 ref.) **(Fre)**

[Serum levels of laminin in patients with various alcoholic liver diseases] Maruyama K. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep;83(9):2093 **(Jpn)**

[Biochemical indices of liver failure in persons abusing alcohol] Chvalun AV. **Sud Med Ekspert** 1987 Jan–Mar; 30(1):44–6 (Eng. Abstr.) **(Rus)**

[Plasma lipoproteins in alcoholic liver diseases] Copello HD, et al. **Medicina (B Aires)** 1986;46(2):143–6 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Hypertrophic osteoarthropathy associated with alcoholic liver disease without cirrhosis. Varju T, et al. **Clin Exp Rheumatol** 1986 Oct–Dec;4(4):375–8

Relationship between degree of portal hypertension and liver histologic lesions in patients with alcoholic cirrhosis. Effect of acute alcoholic hepatitis on portal hypertension. Poynard T, et al. **Dig Dis Sci** 1987 Apr;32(4):337–43

[Tissue markers of hepatitis B virus: useful indicators in the etiologic diagnosis of chronic alcoholic and non-alcoholic liver disease] Cuccurullo L, et al. **Recenti Prog Med** 1986 Sep;77(9):397–400 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Validity of 5-aminolevulinate dehydratase activity (5-ALAD) for the discrimination of alcoholics and nonalcoholics with chronic liver disease. Flegar-Meštrić Z, et al. **Clin Biochem** 1987 Apr;20(2):81–4

Interobserver agreement in the physical diagnosis of alcoholic liver disease. Espinoza P, et al. **Dig Dis Sci** 1987 Mar;32(3):244–7

Use of enzymes for the diagnosis of alcohol-related organ damage. Salaspuro M. **Enzyme** 1987;37(1–2):87–107 (191 ref.)

Desialylated transferrin as a marker of excessive alcohol intake [letter] **Lancet** 1987 Jul 18;2(8551):153

Diagnostic value of echotomography in alcoholic liver disease. Banciu T, et al. **Med Interne** 1986 Oct–Dec; 24(4):285–8

[Significance of serum immunoglobulins for the diagnosis of alcohol-induced liver diseases] Wegener M, et al. **Dtsch Med Wochenschr** 1986 Nov 7;111(45):1716–20 (Eng. Abstr.) **(Ger)**

DIET THERAPY

Malnutrition and the role of nutritional support in alcoholic liver disease. Achord JL. **Am J Gastroenterol** 1987 Jan; 82(1):1–7 (86 ref.)

DRUG THERAPY

Altered furosemide pharmacokinetics in chronic alcoholic liver disease with ascites contributes to diuretic resistance. Pinzani M, et al. **Gastroenterology** 1987 Feb;92(2):294–8

Is therapy with testosterone or anabolic-androgenic steroids useful in the treatment of alcoholic liver disease? Maddrey WC. **Hepatology** 1986 Sep–Oct;6(5):1033–5

Activity of epomediol in the treatment of hepatopathies: a double-blind multi-centre study. Capurso L, et al. **J Int Med Res** 1987 May–Jun;15(3):134–47

[Can alcohol damage of the liver be controlled by drugs?] Teschke R. **Z Gastroenterol** 1987 May;25(5):274–8 **(Ger)**

[Effectiveness of antioxidants in a combined carbon tetrachloride and ethanol lesion of the liver] Skakun NP, et al. **Farmakol Toksikol** 1987 May–Jun;50(3):97–9 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Inducing efficacy of ethanol on hepatic drug metabolizing enzymes in patients. Hoensch HP, et al. **Eur J Clin Invest** 1986 Aug;16(4):284–91

ETIOLOGY

Changing concepts in the pathogenesis of alcoholic liver disease. Davidson CS. **Alcoholism (NY)** 1986;10(6 Suppl):3S–4S

Pyridoxine deficiency and ethanol-induced liver injury. Diehl AM, et al. **Alcoholism (NY)** 1987 Aug;11(4):385–91

Nutritional inadequacy of Lieber-DeCarli alcohol diet [letter] Rao GA, et al. **Hepatology** 1987 Mar–Apr; 7(2):416–7

The interaction of ethanol with biological membranes: an overview. Taraschi TF, et al. **Monogr Pathol** 1987; (28):113–35 (84 ref.)

Role of hepatitis B virus infection in alcoholic patients. Calabrese E, et al. **Ric Clin Lab** 1986 Oct–Dec;16(4):543–8

FAMILIAL & GENETIC

Alcohol-induced hepatocyte enlargement: transfer of susceptibility to offspring [letter] Orrego H, et al. **Alcoholism (NY)** 1987 Jun;11(3):321–2

IMMUNOLOGY

Immune responses in alcoholic liver disease. Johnson RD, et al. **Alcoholism (NY)** 1986 Oct;10(5):471–86 (241 ref.)

Neutrophil phagocytic and bactericidal function in primary biliary cirrhosis and other chronic liver diseases. De Fernandez MA, et al. **Clin Exp Immunol** 1987 Mar; 67(3):655–61

Characteristics of serum IgA and liver IgA deposits in alcoholic liver disease. van de Wiel A, et al. **Hepatology** 1987 Jan–Feb;7(1):95–9

IgA deposition in alcoholic liver disease. Goldin RD, et al. **J Clin Pathol** 1986 Nov;39(11):1181–5

Alcohol and immune defense [letter] Spinozzi F, et al. **JAMA** 1987 Jan 16;257(3):316–7

Antibodies against acetaldehyde- modified epitopes: a new perspective. Israel Y, et al. **Prog Clin Biol Res** 1987; 241:283–9

[ELISA method for false positive reaction for the human immunodeficiency virus in a patient with alcoholic liver disease (letter)] Clotet B, et al. **Med Clin (Barc)** 1987 Feb 28;88(8):347 **(Spa)**

METABOLISM

Disorders of biotransformation during the progression of alcoholic liver disease. Horváth T, et al. **Acta Med Hung** 1986;43(4):351–7

Zinc metabolism in alcoholic liver disease. McClain CJ, et al. **Alcoholism (NY)** 1986 Dec;10(6):582–9 (116 ref.)

Observations on the mechanism and location of ascites reabsorption in man. Rector WG Jr, et al. **Am J Gastroenterol** 1987 Apr;82(4):342–6

Fatty acid synthesis in vitro by liver tissue from control subjects and patients with alcoholic liver disease. Venkatesan S, et al. **Clin Sci** 1986 Dec;71(6):723–8

Levels of arsenic in alcohol-related liver disease. Narang AP, et al. **Drug Alcohol Depend** 1987 Mar;19(2):177–80

Thyroid hormones and alcoholic liver disease. Szilagyi A. **J Clin Gastroenterol** 1987 Apr;9(2):189–93 (72 ref.)

[Lipid peroxidation, free radicals and alcoholic liver diseases] Darmoni SJ, et al. **Gastroenterol Clin Biol** 1986 Nov; 10(11):752–9 (77 ref.) **(Fre)**

OCCURRENCE

Alcoholic liver disease in Japan. Ohnishi K, et al. **J Clin Gastroenterol** 1986 Oct;8(5):503–8

PATHOLOGY

Ultrastructural morphogenesis of mitochondria in alcoholic liver. Chang ES. **Acta Pathol Jpn** 1987 Feb;37(2):213–24

Phenotypic in situ characterization of lymphocytes in mild alcoholic liver disease. Bergroth V, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1986 Sep; 94(5):337–41

Hydroxyl radical generation by microsomes after chronic ethanol consumption. Dicker E, et al. **Alcoholism (NY)** 1987 Jun;11(3):309–14

Alcoholic liver injury: defenestration in noncirrhotic livers—a scanning electron microscopic study. Horn T, et al. **Hepatology** 1987 Jan–Feb;7(1):77–82

Distribution patterns of cytokeratin antigen determinants in alcoholic and nonalcoholic liver diseases. Ray MB.

Hum Pathol 1987 Jan;18(1):61–6
Early alcoholic liver injury. Activation of lipocytes in acinar zone 3 and correlation to degree of collagen formation in the Disse space. Horn T, et al. **J Hepatol** 1986;3(3):333–40
Long-term histological evaluation of the natural history and prognostic factors of alcoholic liver disease. Marbet UA, et al. **J Hepatol** 1987 Jun;4(3):364–72
Histologic spectrum of alcoholic liver disease. MacSween RN, et al. **Semin Liver Dis** 1986 Aug;6(3):221–32 (131 ref.)
[Liver damage in chronic calcified alcohol-induced pancreatitis] Mörl M, et al. **Z Gastroenterol** 1987 Jun; 25(6):325–30 (Eng. Abstr.) **(Ger)**
[Opisthorchiasis combined with alcoholic intoxication in humans and in an experiment (clinico-morphological research)] Bychkov VG, et al. **Med Parazitol (Mosk)** 1986 Sep–Oct;(5):30–3 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Somatosensory and brainstem auditory evoked potentials in alcoholic liver disease with and without encephalopathy. Chu NS, et al. **Alcohol** 1987 Jul–Aug;4(4):225–30
Hypogonadism in chronic liver disease: impaired release of luteinising hormone. Bannister P, et al. **Br Med J [Clin Res]** 1986 Nov 8;293(6556):1191–3
Correlations between cerebral grey matter flow and hepatic histology in alcoholism. Valmier J, et al. **Eur Neurol** 1986; 25(6):428–35
Use of the triolein breath test in alcoholics with liver damage. Korsten MA, et al. **J Lab Clin Med** 1987 Jan;109(1):62–6
Gonadal function in male patients with alcoholic and non-alcoholic liver disease. Kishimoto Y, et al. **Jpn J Med** 1987 Feb;26(1):41–5
Hepatic venous oxygen content in alcoholic cirrhosis and non-cirrhotic alcoholic liver disease. Bendtsen F, et al. **Liver** 1987 Jun;7(3):176–81
Variables predicting elevated portal pressure in alcoholic liver disease. Results of a multivariate analysis. Krogsgaard K, et al. **Scand J Gastroenterol** 1987 Jan;22(1):82–6
[Disorders of erythropoiesis in chronic liver diseases] Fábryová V. **Vnitr Lek** 1986 Aug;32(8):754–61 (Eng. Abstr.) **(Slo)**

RADIONUCLIDE IMAGING

Nonvisualization of the liver by indium-111 oxine labeled leukocytes in alcoholic liver disease. Segall GM, et al. **Clin Nucl Med** 1986 Feb;11(2):79–81
The clinical value of 201Tl per rectum scintigraphy in the work-up of patients with alcoholic liver disease. Urbain D, et al. **Eur J Nucl Med** 1986;12(5–6):267–70

LIVER DISEASES, PARASITIC

BLOOD

Serum immunoreactive somatomedin-C levels in growth failure and delayed puberty associated with chronic hepatosplenic schistosomiasis. Cavaliere H, et al. **Clin Endocrinol (Oxf)** 1986 Jun;24(6):617–26
Serum concentration of N-terminal procollagen peptide of collagen type III in schistosomal liver fibrosis. el-Mohandes M, et al. **Exp Mol Pathol** 1987 Jun; 46(3):383–90
[Alpha fetoprotein in schistosomiasis mansoni] Borges DR, et al. **Rev Paul Med** 1986 Sep–Oct;104(5):247–9 (Eng. Abstr.) **(Por)**

COMPLICATIONS

Toxoplasma gondii in acute and chronic hepatitis. Schoukry NA, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):531–9
Acute hepatic failure due to Plasmodium falciparum liver injury. Joshi YK, et al. **Liver** 1986 Dec;6(6):357–60
[Evaluation of the permeability of distal splenorenal anastomosis, by ultrasonography and angiography in hepatosplenic form of schistosomiasis mansoni] Magalhães AC. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Nov–Dec; 41(6):260–6 (Eng. Abstr.) **(Por)**

DIAGNOSIS

Practical clinical application of the Bi-Digital O-Ring Test in the diagnosis, treatment and follow-up of tuberculosis & parasitic infection. Ong G, et al. **Acupunct Electrother Res** 1986;11(3–4):243–50

DRUG THERAPY

Effect of dietary zinc supplementation on the pathogenesis of hepatosplenomegaly in experimental schistosomiasis. Mansour MA, et al. **J Egypt Soc Parasitol** 1986 Dec; 16(2):645–51
Effect of oxamniquine and praziquantel on intrasplenic pressure and portal vein diameter in hepatosplenic schistosomiasis. Massoud AM, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):427–37
Chemotherapy and chemoprophylaxis of hepatic coccidiosis with sulphadimethoxine and pyrimethamine. Gómez-Bautista M, et al. **Res Vet Sci** 1986 Jul;41(1):28–32

ETIOLOGY

Subcutaneous implantation of the spleen as a new technique for experimental induction of hepatic Schistosoma mansoni egg granulomas. Botros SS, et al. **Trans R Soc Trop Med Hyg** 1986;80(4):515–6

IMMUNOLOGY

The IgE in sera and ascitic fluids of Egyptian patients with bilharzial hepatosplenomegaly. Hussein MM, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):617–20

METABOLISM

Dynamics of hepatic glycosaminoglycan accumulation in murine Schistosoma japonicum infection. Olds GR, et al. **Gastroenterology** 1986 Dec;91(6):1335–42
Oxamniquine pharmacokinetics in hepatosplenic schistosomiasis in the Sudan. Daneshmend TK, et al. **J Antimicrob Chemother** 1987 Jan;19(1):87–93
Simultaneous radio-isotopic study of both fibrinogen and platelets in hepatic schistosomiasis. Tewfik SA, et al. **J Trop Med Hyg** 1987 Jun;90(3):143–7

PATHOLOGY

Variation of hepatic fibrosis and granuloma size among mouse strains infected with Schistosoma mansoni. Cheever AW, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):85–97
Characterization of regulatory (interferon-alpha/beta) and accessory (LAF/IL 1) monokine activities from liver granuloma macrophages of Schistosoma mansoni-infected mice. Elliott DE, et al. **J Immunol** 1987 Apr 15; 138(8):2653–62
[Parasitic larva as a cause of circumscribed liver lesions. Morphology and differential diagnosis] Kirchner T, et al. **Pathologe** 1987 Jan;8(1):31–6 **(Ger)**

PHYSIOPATHOLOGY

Effect of oral contraceptive on liver function tests of women with schistosomiasis in the Philippines. Sy FS, et al. **Contraception** 1986 Sep;34(3):283–94

RADIOGRAPHY

[Fascioliasis—a contribution to the differential diagnosis of focal liver processes] Schleppi V, et al. **Radiologe** 1987 Feb; 27(2):79–82 (Eng. Abstr.) **(Ger)**
[Toxocariasis (visceral larva migrans) of the liver. The computed tomographic aspects] Friedrich M, et al. **ROFO** 1987 May;146(5):600–2 **(Ger)**

RADIONUCLIDE IMAGING

Liver scintigraphy in chronic hepatosplenic schistosomiasis. A predictor of disease severity. Sostre S, et al. **Clin Nucl Med** 1987 Apr;12(4):277–80

VETERINARY

Histopathology of hepatocystosis in cynomolgus monkeys (Macaca fascicularis) imported from Southeast Asia. Nakazawa M, et al. **Nippon Juigaku Zasshi** 1987 Apr; 49(2):295–301
Detection of complement fixation antibody against Ascaris suum antigen in pigs with white spots in the liver. Yoshihara S, et al. **Nippon Juigaku Zasshi** 1987 Jun; 49(3):559–61
Rabbit coccidiosis. Patterson LT. **Vet Hum Toxicol** 1987;29 Suppl 1:73–9
Efficacy of toltrazuril against intestinal and hepatic coccidiosis in rabbits. Peeters JE, et al. **Vet Parasitol** 1986 Nov;22(1–2):21–35
An evaluation of the efficacy of netobimin against Dicrocoelium dendriticum in sheep. Sanz F, et al. **Vet Rec** 1987 Jan 17;120(3):57–8
Goussia ethmalotis n.sp. (Apicomplexa: Sporozoea), a coccidian parasite of the West African Shad, Ethmalosa fimbriata Bowditch 1825, (Pisces: Clupeidae). Obiekezie AI. **Z Parasitenkd** 1986;72(6):827–9

LIVER EXTRACTS

ISOLATION & PURIFICATION

Purification and physical-chemical characterization of hepatic stimulator substance. LaBrecque DR, et al. **Hepatology** 1987 Jan–Feb;7(1):100–6

PHARMACODYNAMICS

Modulation of lymphocyte proliferation by murine liver extract. Su HL, et al. **Asian Pac J Allergy Immunol** 1987 Jun;5(1):17–24

LIVER FIBROSIS see **LIVER CIRRHOSIS**

LIVER FUNCTION TESTS

Renal and liver function tests in surgical septicemia. Smith-Erichsen N. **Acta Anaesthesiol Scand** 1987 Apr; 31(3):208–13
The effects of liver directed radiotherapy and chemotherapy on liver function tests and hematological parameters in patients with surgically resected colon cancer: findings from the Gastrointestinal Tumor Study Group. Thomas PR, et al. **Am J Gastroenterol** 1987 Aug;82(8):738–43
Value of prealbumin plasma levels as liver test. Rondana M, et al. **Digestion** 1987;37(2):72–8
Clinical and statistical validity of conventional prognostic factors in predicting short-term survival among cirrhotics. Infante-Rivard C, et al. **Hepatology** 1987 Jul–Aug; 7(4):660–4
Hepatic dysfunction during bacterial sepsis. Gimson AE. **Intensive Care Med** 1987;13(3):162–6
Rapid high-performance liquid chromatography assay for salivary and serum caffeine following an oral load. An indicator of liver function. Setchell KD, et al. **J Chromatogr** 1987 Jan 9;385:267–74
Effect of rapid weight loss with supplemented fasting on liver tests. Friis R, et al. **J Clin Gastroenterol** 1987 Apr; 9(2):204–7
Liver haemodynamics and function in alcoholic cirrhosis. Relation to testosterone treatment and ethanol consumption. Gluud C, et al. **J Hepatol** 1987 Apr; 4(2):168–73
Tests for hepatotoxicity: usefulness in screening workers. Tamburro CH, et al. **J Occup Med** 1986 Oct;28(10):1034–44
'LFTs' test more than the liver [editorial] Helzberg JH, et al. **JAMA** 1986 Dec 5;256(21):3006–7
Subclinical hepatic toxicity during combination chemotherapy for breast cancer. Larroquette CA, et al. **JAMA** 1986 Dec 5;256(21):2988–90
Improvement of liver function tests by administration of L-carnitine to a carnitine-deficient patient receiving home parenteral nutrition: a case report. Palombo JD, et al. **JPEN J Parenter Enteral Nutr** 1987 Jan–Feb;11(1):88–92
Abnormal liver function tests. How to assess their importance in asymptomatic patients. Kools AM, et al. **Postgrad Med** 1987 May 1;81(6):45–51
[Assessment of liver function with the 13C methacetin breath test] Tang ZD, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Dec;25(12):722–4, 775 (Eng. Abstr.) **(Chi)**
[What should be done when faced with an isolated abnormal liver function test?] Borel GA. **Rev Med Suisse Romande** 1987 Jul;107(7):545–8 **(Fre)**
[Assessment of surgical risk in patients with decreased liver function] Lauterburg BH. **Ther Umsch** 1987 Jul;44(7):522–9 (Eng. Abstr.) **(Ger)**
[Significance of laboratory diagnostic study parameters of the hepatobiliary system in the evaluation of cardiovascular diseases—results of cross sectional and longitudinal studies in patients with suspicious cardiovascular findings in an epidemiologic follow-up study] Richter K, et al. **Z Gesamte Inn Med** 1986 Aug 1;41(15):413–8 (Eng. Abstr.) **(Ger)**
[Enzyme microdetermination of total bile acids in serum] Senger H, et al. **Z Med Lab Diagn** 1987;28(2):93–8 (Eng. Abstr.) **(Ger)**
[Liver function tests: blood coagulation and fibrinolysis tests] Isobe J. **Rinsho Byori** 1986 Jun;34 Spec No 67:202–15 (31 ref.) **(Jpn)**
[Correlation between liver biopsy and liver function tests in the diagnosis of liver cirrhosis] Ohta Y, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:154–61 **(Jpn)**
[Liver diseases and computer diagnosis: test items and prognosis] Tauchi K. **Rinsho Byori** 1986 Jun;34 Spec No 67:253–61 **(Jpn)**

METHODS

Allopurinol kinetics in humans as a means to assess liver function: comparison of different models. van Waeg G, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):R352–60
Overnight salivary caffeine clearance: a liver function test suitable for routine use. Jost G, et al. **Hepatology** 1987 Mar–Apr;7(2):338–44
Quantitative scintigraphy with deconvolutional analysis for the dynamic measurement of hepatic function. Tagge EP, et al. **J Surg Res** 1987 Jun;42(6):605–12
[Preparation of 99mTc-Sn-N-(2,6-diethylacetanilido)-imidodiacetate from ROTOP-EHIDA] Berger R, et al. **Radiobiol Radiother (Berl)** 1986;27(6):727–32 (Eng. Abstr.) **(Ger)**
[Animal experiment study of the use of radioisotopes in studies on the hepatobiliary system. I.] Kämpfer I, et al. **Radiobiol Radiother (Berl)** 1986;27(6):721–6 **(Ger)**
[Antipyrine excretion and aminopyrine breath test: use and significance in the assessment of liver function] Gugler R. **Z Gastroenterol** 1987 Mar;25 Suppl 2:51–6 **(Ger)**
[A new liver function test using the asialoglycoprotein-receptor system on the liver cell membrane: III. Evaluation of its usefulness by a liver function test using Tc-99m-neoglycoprotein] Hazama H, et al. **Kaku Igaku** 1986 Jul;23(7):917–26 (Eng. Abstr.) **(Jpn)**
[A new liver function test using the asialoglycoprotein-receptor system on the liver cell membrane: II. Quantitative evaluation of labeled neoglycoprotein clearance] Kawa S, et al. **Kaku Igaku** 1986 Jul;23(7):907–16 (Eng. Abstr.) **(Jpn)**
[A new liver function test using the asialoglycoprotein-receptor system on the liver cell membrane: I. Evaluation of liver imaging using Tc-99m-neoglycoprotein] Kubota Y, et al. **Kaku Igaku** 1986 Jul;23(7):899–905 (Eng. Abstr.) **(Jpn)**
[An estimation of functional reserve of the liver in liver cirrhosis using PABA test] Kiyohara H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep;83(9):2028–34 (Eng. Abstr.) **(Jpn)**
[Liver function tests: analysis of serum transferases and oxidoreductases] Akaike M, et al. **Rinsho Byori** 1986 Jun;

34 Spec No 67:33–41 (37 ref.) **(Jpn)**
[Liver function tests: metabolic detoxication test] Araki S, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:140–7 (20 ref.) **(Jpn)**
[Liver function tests: analysis of biliary tract enzymes and serum secretory enzymes—ALP, gamma-GTP, LAP, and ChE] Fujisawa K. **Rinsho Byori** 1986 Jun;34 Spec No 67:42–50 **(Jpn)**
[Liver function tests: analysis of the excreted bile components] Hayashi Y. **Rinsho Byori** 1986 Jun;34 Spec No 67:15–23 **(Jpn)**
[Analysis of bile components in the serum: bilirubin, urobilin and bile acids] Makino I, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:24–32 (17 ref.) **(Jpn)**
[Liver function tests: analysis of serum protein fractions (including collagen reactions)] Miyaji T, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:58–66 **(Jpn)**
[Liver function tests: analysis of non-protein nitrogen, BUN, NH3 and amino acids] Nagashima H, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:73–81 (11 ref.) **(Jpn)**
[Liver function tests: blood sugar examination—blood glucose analysis and glucose tolerance test] Nakatsu N. **Rinsho Byori** 1986 Jun;34 Spec No 67:93–100 (12 ref.) **(Jpn)**
[Liver function tests: analysis of serum isoenzymes—GOT, LDH, ALP, gamma-GTP and ChE] Suzuki H. **Rinsho Byori** 1986 Jun;34 Spec No 67:51–7 (10 ref.) **(Jpn)**
[Liver function tests: analysis of AFP and ferritin] Takasaki K, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:67–72 (14 ref.) **(Jpn)**
[Liver function tests: analysis of serum lipids—lipid peroxides, total cholesterol, cholesterol esters, free fatty acids, triglycerides and apolipoproteins] Tanaka T, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:82–92 (52 ref.) **(Jpn)**
[Liver function tests: serologic diagnosis (non-specific reactions). A. RA and CRP] Tsuda H, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:109–12 **(Jpn)**
[Liver function tests: ICG plasma clearance test] Yamashiro Y. **Rinsho Byori** 1986 Jun;34 Spec No 67:130–9 (24 ref.) **(Jpn)**

VETERINARY

[The suitability of liver function tests in birds as a parameter for the ecotoxicological evaluation of environmental chemicals] Horn H, et al. **DTW** 1987 Jan 8;94(1):32 (Eng. Abstr.) **(Ger)**

LIVER GLYCOGEN

ANALYSIS

Topogenesis of glycogen distribution pattern in post-natal rat liver in reference to the activity-rest cycle. Bhattacharya RD, et al. **Acta Histochem (Jena)** 1987; 81(1):59–70
Liver glycogen in slaughtered pigs and estimated time of fasting before slaughter. Warriss PD, et al. **Br Vet J** 1987 Jul-Aug;143(4):354–60
Effects of intraportal glucagon administration concurrent to feeding on meal pattern and hepatic glycogen content in the rat. Yin TH, et al. **Chin J Physiol** 1986;29(2):71–8
Variations of meal-to-meal liver glycogen in rats. Le Magnen J, et al. **Neurosci Biobehav Rev** 1980;4 Suppl 1:29–32
Time course of insulin, corticosterone and metabolic changes caused by lesion of the ventromedial hypothalamus in the rat. Zaia TB, et al. **Physiol Behav** 1987;39(6):707–14
Glycogen content of placenta and of fetal and maternal liver in cadmium-exposed rats. I: A descriptive light microscopic study. Roelfzema WH, et al. **Placenta** 1987 Jan-Feb;8(1):27–36

BIOSYNTHESIS

Modifications of cellular lipids induce insulin resistance in cultured hepatoma cells. Bruneau C, et al. **Biochim Biophys Acta** 1987 May 18;928(3):297–304
Regulation of ketogenesis, gluconeogenesis, and glycogen synthesis by insulin and proinsulin in rat hepatocyte monolayer cultures. Agius L, et al. **Diabetes** 1986 Nov; 35(11):1286–93
Control of glycogen synthesis in health and disease. Stalmans W, et al. **Diabetes Metab Rev** 1987 Jan;3(1):127–61 (133 ref.)
The onset of liver glycogen synthesis in fasted-refed lean and genetically obese (fa/fa) rats. van de Werve G, et al. **Diabetologia** 1987 Mar;30(3):169–74
Synergism of glucose and fructose in net glycogen synthesis in perfused rat livers. Youn JH, et al. **J Biol Chem** 1986 Dec 5;261(34):15960–9
[Effects of Tremella polysaccharides on synthesis of protein and on glycogen content in normal and injured livers of mice] Yue W, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jul;7(4):364–7 (Eng. Abstr.) **(Chi)**
[Characteristics of glycogen synthesis from [1-14C]glucose and its labeled precursors in the piglet liver] Snitinskil VV. **Ukr Biokhim Zh** 1987 Jan-Feb;59(1):91–4 (Eng. Abstr.) **(Rus)**
[Effect of food carbohydrate quality on monosaccharide utilization for the biosynthesis of glycogen, fat and proteins in the rat liver] Gapparov MM, et al. **Vopr Pitan** 1987 May-Jun;(3):41–5 (Eng. Abstr.) **(Rus)**

BLOOD

Role of ovarian hormones in the glycogenic response to endurance training. Riggs C, et al. **J Sports Med Phys Fitness** 1986 Sep;26(3):241–4

METABOLISM

Changes in blood glucose, liver glycogen, ketone bodies and plasma insulin in suckling rats treated with a single high cortisol dose one day after birth. Aránguez MI, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):598–603
Modification of glycogen deposition by priming glucose loads: the second-meal phenomenon. Abraira C, et al. **Am J Clin Nutr** 1987 May;45(5):952–7
Hormonal regulation of hepatic glycogenolysis in the carp, Cyprinus carpio. Janssens PA, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):R653–60
Sexual dimorphism in adrenergic regulation of hepatic glycogenolysis. Studer RK. **Am J Physiol** 1987 Apr;252(4 Pt 1):E467–76
Liver glycogenolysis during exercise in adrenodemedullated male and female rats. Winder WW, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):R1151–5
Effects of glucose or fructose feeding on glycogen repletion in muscle and liver after exercise or fasting. Conlee RK, et al. **Ann Nutr Metab** 1987;31(2):126–32
Inability of glucagon to regulate glycogen metabolism in rat hepatocytes isolated after fasting and refeeding high-carbohydrate diets. Blair JB, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):250–9
Hepatic glycogenolysis produced by intraperitoneal administration of total extract of Tecoma stans in rats. Meckes-Lozoya M, et al. **Arch Invest Med (Mex)** 1985 Oct-Dec;16(4):387–93 **(Eng, Spa)**
Glycogenolytic and haemodynamic responses to heat-aggregated immunoglobulin G and prostaglandin E2 in the perfused rat liver. Buxton DB, et al. **Biochem J** 1987 Apr 15;243(2):493–8
Stimulation of glycogenolysis by adenine nucleotides in the perfused rat liver. Buxton DB, et al. **Biochem J** 1986 Aug 1;237(3):773–80
The stimulation of glycogenolysis in isolated hepatocytes by opioid peptides. Leach RP, et al. **Biochem J** 1986 Sep 1; 238(2):531–5
Stimulation of hepatic glycogenolysis by phorbol 12-myristate 13-acetate. Patel TB. **Biochem J** 1987 Jan 15; 241(2):549–54
Cell-surface insulin receptor cycling and its implication in the glycogenic response in cultured foetal hepatocytes. Soubigou P, et al. **Biochem J** 1986 Nov 1;239(3):609–15
Effects of oxytetracycline treatment on enzymes of hepatic glycogen metabolism in genetically diabetic (db/db) mice. Benzo CA. **Biochem Med Metab Biol** 1987 Feb;37(1):42–50
Liver glycogen metabolism in endotoxin shock. I. Endotoxin administration decreases glycogen synthase activities in dog livers. Liu MS, et al. **Biochem Med Metab Biol** 1987 Feb; 37(1):61–72
Liver glycogen metabolism in endotoxin shock. II. Endotoxin administration increases glycogen phosphorylase activities in dog livers. Liu MS, et al. **Biochem Med Metab Biol** 1987 Feb;37(1):73–80
Regulation of hepatic gluconeogenesis and glycogenolysis by phosphorylated glycerol and glycolytic intermediates in diabetic and control Chinese hamsters. Wapnir RA, et al. **Biochem Med Metab Biol** 1987 Apr;37(2):228–34
Differences between glucose and insulin stimulation of glycogenesis in cultured fetal hepatocytes. Menuelle P, et al. **Biochim Biophys Acta** 1987 May 18;928(3):332–40
Assessment of the role of Ca2+ mobilization from intracellular pool(s), using dantrolene, in the glycogenolytic action of alpha-adrenergic stimulation in perfused rat liver. Mine T, et al. **Biochim Biophys Acta** 1987 Feb 18; 927(2):229–34
Glucagon, satiety from feeding and liver/pancreatic interactions. Vanderweele DA, et al. **Brain Res Bull** 1986 Oct;17(4):539–43
Oral protein hydrolysate causes liver glycogen depletion in fasted rats pretreated with glucose. Gannon MC, et al. **Diabetes** 1987 Jan;36(1):52–8
Similar dose responsiveness of hepatic glycogenolysis and gluconeogenesis to glucagon in vivo. Stevenson RW, et al. **Diabetes** 1987 Mar;36(3):382–9
Metabolic zonation of liver parenchyma: significance for the regulation of glycogen metabolism, gluconeogenesis, and glycolysis. Jungermann K. **Diabetes Metab Rev** 1987 Jan; 3(1):269–93 (87 ref.)
Liver glycogen metabolism: an overview. van de Werve G, et al. **Diabetes Metab Rev** 1987 Jan;3(1):47–78 (285 ref.)
Effects of intratesticular islet transplantation on hepatic glycogen metabolism in the rat. Margolis RN, et al. **Diabetes Res Clin Pract** 1986 Sep-Oct;2(5):291–9
Differential effect of steady-state hyperinsulinaemia and hyperglycaemia on hepatic glycogenolysis and glycolysis in rats. Halimi S, et al. **Diabetologia** 1987 Apr;30(4):268–72
Possible involvement of eicosanoids in the zymosan and arachidonic-acid-induced oxygen uptake, glycogenolysis and Ca2+ mobilization in the perfused rat liver. Dieter P, et al. **Eur J Biochem** 1987 Jun 1;165(2):455–60
The Ca2+-dependent actions of the alpha-adrenergic agonist phenylephrine on hepatic glycogenolysis differ from those of vasopressin and angiotensin. Kleineke J, et al. **Eur J Biochem** 1987 Jan 2;162(1):143–50
Glycogenolytic effect of cortisol previous to its interaction with the cell nucleus in mouse liver. Vallejo A, et al. **Exp Clin Endocrinol** 1986 Jul;87(2):201–7
Effect of lectin from Phaseolus vulgaris (PHA-M) on the glucose content in the blood and the content of glycogen in the mouse liver and muscles. Zaremba S, et al. **Folia Biol (Krakow)** 1987;35(1-2):3–12
Mechanisms involved in catecholamine effect on glycogenolysis in catfish isolated hepatocytes. Brighenti L, et al. **Gen Comp Endocrinol** 1987 Jun;66(3):306–13
Hormonal regulation of hepatic glycogenolysis in the toad, Xenopus laevis, is mediated by cyclic AMP and not Ca2+. Janssens PA, et al. **Gen Comp Endocrinol** 1987 Aug; 67(2):227–33
Postexercise muscle and liver glycogen metabolism in male and female rats. Ivey PA, et al. **J Appl Physiol** 1987 Mar; 62(3):1250–4
Stimulation of glycogenolysis and vasoconstriction in the perfused rat liver by the thromboxane A2 analogue U-46619. Fisher RA, et al. **J Biol Chem** 1987 Apr 5; 262(10):4631–8
Potassium-mediated stimulation of hepatic glycogenolysis. Hill CE, et al. **J Biol Chem** 1987 May 15;262(14):6623–7
Fructose effect to suppress hepatic glycogen degradation. Youn JH, et al. **J Biol Chem** 1987 Aug 25;262(24):11470–7
Net hepatic lactate balance following mixed meal feeding in the four-day fasted conscious dog. Davis MA, et al. **Metabolism** 1987 Sep;36(9):856–62
Hepatic microvascular regulatory mechanisms. VIII. Glucogenic responses and morphologic changes following serotonin-induced low flow. Reilly FD, et al. **Microcirc Endothelium Lymphatics** 1986;3(1):21–46
Effect of gamma irradiation and radioprotector MPG on liver glycogen in mice. Khan AS, et al. **Radiobiol Radiother (Berl)** 1986;27(4):473–7
[The effect of acupuncture at renzhong on hepatic glycogen of rabbits during hemorrhagic shock—a histochemical study] Wen S, et al. **Chen Tzu Yen Chiu** 1986;11(4):263–7 (Eng. Abstr.) **(Chi)**
[Glucagon test in the evaluation of liver function in patients with asymptomatic fasting hypoglycemia after reconstructive operations on the esophagus using jejunum transplants] Rosińska T, et al. **Pol Tyg Lek** 1986 Aug 18; 41(33):1037–9 (Eng. Abstr.) **(Pol)**
[Diurnal changes in the glucose and glycogen levels of the blood and liver of rats in chronic consumption of alcohol and after its withdrawal] Kaminskil IuG, et al. **Ukr Biokhim Zh** 1987 May-Jun;59(3):47–51 (Eng. Abstr.) **(Rus)**
[The role of vasopressin and oxytocin in the regulation of glycemia levels and carbohydrate metabolism in the liver] Roik VI. **Ukr Biokhim Zh** 1987 Mar-Apr;59(2):73–5 (Eng. Abstr.) **(Rus)**

LIVER MICROSOMES see **MICROSOMES, LIVER**

LIVER MITOCHONDRIA see **MITOCHONDRIA, LIVER**

LIVER NEOPLASMS

Hepatocellular carcinoma metastatic to the testis. Young RH, et al. **Am J Clin Pathol** 1987 Jan;87(1):117–20
Metastasis of hepatocellular carcinoma to the proximal jejunum manifested by occult gastrointestinal bleeding. Yang PM, et al. **Am J Gastroenterol** 1987 Feb;82(2):165–7
Liver tumours. **Baillieres Clin Gastroenterol** 1987 Jan; 1(1):1–210
Giant pedunculated haemangioma of the liver. Bhatnagar A, et al. **Indian J Gastroenterol** 1987 Jan;6(1):51–2
Hepatocellular carcinoma—a study of 200 cases. Habibullah CM, et al. **Indian J Gastroenterol** 1987 Jul;6(3):141–2
Hepatoblastoma in families with polyposis coli. Li FP, et al. **JAMA** 1987 May 8;257(18):2475–7
Adenoma of the liver and carcinoid appendix. Humayun MS, et al. **JPMA** 1987 Jun;37(6):156–7
Hepatocellular carcinoma associated with second primary malignancy. Lin DY, et al. **Liver** 1987 Apr;7(2):106–9
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 32-1987. A 69-year-old woman with multiple cranial nerve abnormalities and inability to walk. **N Engl J Med** 1987 Aug 6;317(6):366–75
Primary hepatocellular carcinoma in Africans. Olubuyide IO, et al. **Trop Gastroenterol** 1986 Apr-May;7(2):43–8
Comparison of sonography, computed tomography, angiography, and percutaneous transhepatic portography in detection of portal tumor thrombus in hepatoma. Igawa S, et al. **World J Surg** 1986 Oct;10(5):876–83
[Angioma-like cutaneous metastasis disclosing a hepatocarcinoma] Berbis P, et al. **Ann Dermatol Venereol** 1986;113(6-7):563–7 **(Fre)**
[Treatment of hepatic metastases of colo-rectal origin. Role of surgical excision and chemotherapy] Pettavel J. **Rev Med Suisse Romande** 1987 Jan;107(1):1–27 (109 ref.) (Eng. Abstr.) **(Fre)**
[Primary liver cancer] Axmann K, et al. **Acta Univ Palacki Olomuc Fac Med** 1986;114:261–8 **(Ger)**
[Adrenal arterial embolization of two cases with a metastatic adrenal tumor from a hepatocellular carcinoma]

Koganemaru F, et al. **Rinsho Hoshasen** 1986 Oct; 31(10):1147–50 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Tissue copper content in primary and metastatic liver cancers. Haratake J, et al. **Acta Pathol Jpn** 1987 Feb; 37(2):231–8

Absence of cytokeratin in human hepatoma cell lines. Lo SJ, et al. **Cell Biol Int Rep** 1987 Jun;11(6):477–86

Copper and hepatocellular carcinoma. Vecchio FM, et al. **Digestion** 1986;35(2):109–14

Ricinus communis agglutinin II–reactive glycoproteins from the ascites of patients with hepatocellular carcinoma and their use in enzyme–linked immunosorbent assay. Fukushima M, et al. **Gastroenterol Jpn** 1987 Apr; 22(2):203–10

Hepatic estrogen receptor in human liver disease. Porter LE, et al. **Gastroenterology** 1987 Mar;92(3):735–45

A new method to assay des–gamma–carboxyprothrombin. Results obtained in 75 cases of hepatocellular carcinoma. Soulier JP, et al. **Gastroenterology** 1986 Nov;91(5):1258–62

RNA transcripts of hepatitis B virus in hepatocellular carcinoma. Imazeki F, et al. **Hepatology** 1987 Jul–Aug; 7(4):753–7

Two asialoglycoprotein receptor polypeptides in human hepatoma cells. Bischoff J, et al. **J Biol Chem** 1987 Aug 25;262(24):11825–32

Multiple integration site of hepatitis B virus DNA in hepatocellular carcinoma and chronic active hepatitis tissues from children. Yaginuma K, et al. **J Virol** 1987 Jun; 61(6):1808–13

State of hepatitis B viral DNA in the liver of patients with hepatocellular carcinoma and chronic liver disease. Hada H, et al. **Liver** 1986 Aug;6(4):189–98

[Estrogen and progesterone receptors in human liver: does their study contribute to a better understanding of benign contraceptive–associated liver tumors?] Pirovino M, et al. **Schweiz Med Wochenschr** 1986 Jul 19;116(29):971–3 (Eng. Abstr.) **(Ger)**

[Trace elements in hepatocellular carcinoma—comparison between hepatoma tissue and non–hepatoma liver tissue] Miyata S. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep; 83(9):2091 **(Jpn)**

[Immunohistochemical studies in hepatocarcinomas] Delfino MI, et al. **Medicina (B Aires)** 1985;45(3):235–9 (Eng. Abstr.) **(Spa)**

BLOOD

Hypouricemia in liver cell carcinoma: an isolated renal tubular defect [letter] Magoula I, et al. **Am J Med** 1987 Jul;83(1):196–7

Circulating mucopolysaccharide (mucin) in two adults with metastatic adenocarcinoma. Detection in peripheral blood smear and at autopsy. Nosanchuk J, et al. **Arch Pathol Lab Med** 1987 Jun;111(6):545–8

A Markov model for analysing cancer markers and disease states in survival studies. Kay R. **Biometrics** 1986 Dec; 42(4):855–65

Close topographical relationship in alpha foetoprotein (AFP) between a lens culinaris binding glycan and the epitope recognized by AFP–reactive monoclonal antibody, 18H4. Suzuki Y, et al. **Br J Cancer** 1987 Feb;55(2):147–52

Serum erythropoietin concentrations in patients with hepatocellular carcinoma. Kew MC, et al. **Cancer** 1986 Dec 1;58(11):2485–8

Lentil–lectin–reactive alpha–fetoprotein in the differential diagnosis of benign and malignant liver disease. Buamah PK, et al. **Clin Chem** 1986 Nov;32(11):2083–4

Clinical evaluation of plasma abnormal prothrombin (PIVKA–II) in patients with hepatocellular carcinoma. Fujiyama S, et al. **Hepatogastroenterology** 1986 Oct; 33(5):201–5

Surface markers of NK cells in peripheral blood of patients with cirrhosis and hepatocellular carcinoma. Nakajima T, et al. **Immunol Lett** 1986 Aug;13(1–2):7–10

Serum protein bound fucose levels in hepatic malignancy. Dang HS, et al. **Indian J Cancer** 1985 Sep;22(3):211–6

Changes of serum levels of lipid components and apo–lipoproteins after hepatectomy in patients with hepatocellular carcinoma. Liu CL, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Mar;86(3):248–54

[Serum isoferritin assay in patients with hepatitis, cirrhosis and primary liver cancer] Liu KD, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Nov;25(11):643–5, 700 (Eng. Abstr.) **(Chi)**

[Primary liver carcinoma and seropositive amebiasis] M'pele P, et al. **Ann Soc Belg Med Trop** 1986 Sep;66(3):287–8 **(Fre)**

[Relation between serum markers of hepatitis B virus and alpha fetoprotein in hepatocellular carcinoma in France] Attali P, et al. **Gastroenterol Clin Biol** 1986 Oct; 10(10):637–40 (Eng. Abstr.) **(Fre)**

[Diagnostic value of serum ferritin in primary carcinoma of the liver associated with cirrhosis] Salmi A, et al. **Recenti Prog Med** 1987 May;78(5):208–10 (Eng. Abstr.) **(Ita)**

[Changes in blood coagulation and fibrinolysis after transcatheter arterial chemoembolization in hepatocellular carcinoma] Katsushima S, et al. **Nippon Naika Gakkai Zasshi** 1987 Mar;76(3):351–6 **(Jpn)**

[A case of primary hepatocellular carcinoma associated with hyperthyroxine–binding–globulinemia] Matsuda M, et al. **Nippon Naika Gakkai Zasshi** 1986 Nov;75(11):1644–9 **(Jpn)**

[A case of primary hepatocellular carcinoma with hypouricemia] Moriwaki Y, et al. **Nippon Naika Gakkai Zasshi** 1986 Dec;75(12):1769–73 **(Jpn)**

[Serum vitamin K content in patients with hepatocellular carcinoma with special reference to plasma PIVKA–II levels] Fujiyama S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jun;83(6):1229 **(Jpn)**

[Clinical studies on the microheterogeneity of serum alpha–fetoprotein] Ishiguro T, et al. **Rinsho Byori** 1986 Nov;34(11):1241–6 **(Jpn)**

[A case of Kasabach–Merritt syndrome with giant liver hemangioma] Tanaka M, et al. **Rinsho Ketsueki** 1986 Sep; 27(9):1656–60 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

Reduction of hepatic arterial flow by degradable microspheres in patients with liver tumor. Thulin L, et al. **Acta Chir Scand** 1986 Jun–Jul;152:447–51

Tumor vessels and contrast enhancement of hepatocellular carcinoma demonstrated by percutaneous transhepatic portography. Report of a case. Fujisawa I, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jul–Aug;27(4):429–32

Experimental studies on the role of the portal circulation in hepatic tumor vascularity. Ackerman NB. **Cancer** 1986 Oct 15;58(8):1653–7

Medial regression and its functional significance in tumor–supplying host arteries. A morphometric study of hepatic arteries in human livers with hepatocellular carcinoma. Suzuki M, et al. **Cancer** 1987 Feb 1;59(3):444–50

Distribution of different sized microspheres in experimental hepatic tumours. Meade VM, et al. **Eur J Cancer Clin Oncol** 1987 Jan;23(1):37–41

Angioarchitecture and blood supply of micro– and macrometastases in human livers. An anatomic–pathological investigation using injection–techniques. Strohmeyer T, et al. **J Hepatol** 1987 Apr;4(2):181–9

Hepatic arterial flow distribution with hepatic neoplasms: significance in infusion chemotherapy. Charnsangavej C, et al. **Radiology** 1987 Oct;165(1):71–3

[Vascular cast of primary liver cancer and scanning electron microscopic observations] Li CL, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Oct;24(10):620–1, 640 (Eng. Abstr.) **(Chi)**

[Vascular history of hepatic metastases (K2), categorization and therapeutic choice] Bourgeon R, et al. **Bull Mem Acad R Med Belg** 1985;140(11):405–13 (Eng. Abstr.) **(Fre)**

[Morphometric studies of blood vessels in human livers with hepatocellular neoplasms, with special reference to "tumor–related arteriopathies" of pre–existing host arteries] Suzuki M, et al. **Gan No Rinsho** 1986 Sep;32(11):1407–15 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Liver–cell adenoma. Case report. Christensen M, et al. **Acta Chir Scand** 1986 Oct;152:633–5

Cellular events during hepatocarcinogenesis in rats and the question of premalignancy. Sell S, et al. **Adv Cancer Res** 1987;48:37–111 (380 ref.)

Liver tumors in rodents: extrapolation to man. Roe FJ. **Adv Vet Sci Comp Med** 1987;31:45–68 (89 ref.)

Early detection and signs of hepatoangiosarcoma among vinyl chloride workers. Sugita M, et al. **Am J Ind Med** 1986;10(4):411–7

Androgen receptor concentrations in the diethylnitrosamine model of hepatic carcinogenesis. Bannister P, et al. **Br J Cancer** 1986 Nov;54(5):857–9

Computed tomography of vinyl–chloride–induced angiosarcoma of liver. Fitzgerald EJ, et al. **Br J Radiol** 1987 Jun;60(714):593–5

Promotion of hepatocarcinogenesis by suxibuzone in rats initiated with 3'–methyl–4–dimethylaminoazobenzene. Yanagi S, et al. **Cancer Lett** 1987 Jul;36(1):11–8

Effects of rat strain, diet composition, and phenobarbital on hepatic gamma–glutamyl transpeptidase histochemistry and on the induction of altered hepatocyte foci and hepatic tumors by diethylnitrosamine. Russell JJ, et al. **Cancer Res** 1987 Feb 15;47(4):1130–4

Liver tumour promotion by chemicals: models and mechanisms. Sarma DS, et al. **Cancer Surv** 1986;5(4):781–98 (110 ref.)

Influence of dietary fat and selenium in initiation and promotion of aflatoxin B1–induced preneoplastic foci in rat liver. Baldwin S, et al. **Carcinogenesis** 1987 Jan; 8(1):101–7

Failure of mitogen–induced cell proliferation to achieve initiation of rat liver carcinogenesis. Columbano A, et al. **Carcinogenesis** 1987 Feb;8(2):345–7

Di(2–ethylhexyl)phthalate: lack of initiating activity in the liver of female F–344 rats. Garvey LK, et al. **Carcinogenesis** 1987 Feb;8(2):285–90

Inhibition of hepatocarcinogenic responses to 1,2–dimethylhydrazine by diallyl sulfide, a component of garlic oil. Hayes MA, et al. **Carcinogenesis** 1987 Aug; 8(8):1155–7

The influence of food intake on the development of diethylnitrosamine–induced liver tumours in mice. Lagopoulos L, et al. **Carcinogenesis** 1987 Jan;8(1):33–7

Induction of alkoxyresorufin O–dealkylases, epoxide hydrolase, and liver weight gain: correlation with liver tumor–promoting potential in a series of barbiturates. Nims RW, et al. **Carcinogenesis** 1987 Jan;8(1):67–71

Promoting effect of oxazepam in rat hepatocarcinogenesis. Préat V, et al. **Carcinogenesis** 1987 Jan;8(1):97–100

Influence of the duration and the delay of administration of phenobarbital on its modulating effect on rat hepatocarcinogenesis. Préat V, et al. **Carcinogenesis** 1987 Feb;8(2):333–5

Effect of in vivo exposure to the liver tumor promoters phenobarbital or DDT on the gap junctions of rat hepatocytes: a quantitative freeze–fracture analysis. Sugie S, et al. **Carcinogenesis** 1987 Jan;8(1):45–51

The kinetics of nuclear polyploidization and tumour formation in livers of CF–1 mice exposed to dieldrin. van Ravenzwaay B, et al. **Carcinogenesis** 1987 Feb;8(2):265–9

Pathology of BHA– and BHT–induced lesions. Moch RW. **Food Chem Toxicol** 1986 Oct–Nov;24(10–11):1167–9

Hepatic responses to the administration of high doses of BHT to the rat: their relevance to hepatocarcinogenicity. Powell CJ, et al. **Food Chem Toxicol** 1986 Oct–Nov; 24(10–11):1131–43

A two–year drinking–water study of dichloromethane in rodents. II. Mice. Serota DG, et al. **Food Chem Toxicol** 1986 Sep;24(9):959–63

A two–year drinking–water study of dichloromethane in rodents. I. Rats. Serota DG, et al. **Food Chem Toxicol** 1986 Sep;24(9):951–8

Enhanced tumour development by butylated hydroxytoluene (BHT) in the liver, lung and gastro–intestinal tract. Witschi HP. **Food Chem Toxicol** 1986 Oct–Nov;24(10–11):1127–30

Chronic study on BHT in rats. Würtzen G, et al. **Food Chem Toxicol** 1986 Oct–Nov;24(10–11):1121–5

Hepatic angiosarcoma among Egyptian farmers exposed to pesticides. el Zayadi A, et al. **Hepatogastroenterology** 1986 Aug;33(4):148–50

Thorotrast–associated hepatic leiomyosarcoma and cholangiocarcinoma in a single patient. Shurbaji MS, et al. **Hum Pathol** 1987 May;18(5):524–6

Influences of diethylnitrosamine on longevity of surrounding hepatocytes and progression of transplanted persistent nodules during phenobarbital promotion of hepatocarcinogenesis. Hayes MA, et al. **Int J Cancer** 1987 Jul 15;40(1):58–63

Transformation sensitivity in early S–phase and clonogenic potential are target–cell characteristics in liver carcinogenesis by N–methyl–N–nitrosourea. Maguire S, et al. **Int J Cancer** 1987 Mar 15;39(3):385–9

Effect of X–rays alone or combined with diethylnitrosamine on cancer induction in mouse liver. Maisin JR, et al. **Int J Radiat Biol** 1987 Jun;51(6):1049–57

Measurement of individual aflatoxin exposure among people having different risk to primary hepatocellular carcinoma. Sun TT, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1985; 16:225–35 (26 ref.)

Hepatic adenoma within a spindle cell carcinoma in a woman with a long history of oral contraceptives. Grigsby P, et al. **J Surg Oncol** 1987 Jul;35(3):173–9

Methylated derivatives of pyrene and fluorene: evaluation of genotoxicity in the hepatocyte/DNA repair test and tumorigenic activity in newborn mice. Rice JE, et al. **J Toxicol Environ Health** 1987;21(4):525–32

Effect of monochlorobenzene on rat liver [letter] Roe FJ, et al. **J Toxicol Environ Health** 1987;21(4):535–8

Carcinogenicity of 1–(2–hydroxyethyl)–1–nitrosourea and 3–nitroso–2–oxazolidinone administered in drinking water to male MRC–Wistar rats: induction of bone, hematopoietic, intestinal, and liver tumors. Mirvish SS, et al. **JNCI** 1987 Feb;78(2):387–93

Hepatocellular adenoma related to oral contraceptive use—report of two cases. Kage M, et al. **Kurume Med J** 1986;33(1):15–20

Carcinogenesis by pentanal methylformylhydrazone of Gyromitra esculenta in mice. Toth B, et al. **Mycopathologia** 1987 May;98(2):83–9

Estrogens and progestins as tumor inducers. Porter LE, et al. **Semin Liver Dis** 1987 Feb;7(1):24–31 (113 ref.)

Effect of the age of B6C3F1 mice on phenobarbital promotion of diethylnitrosamine–initiated liver tumors. Klaunig JE, et al. **Toxicol Appl Pharmacol** 1987 Aug; 90(1):79–85

Recent advances in phthalate esters research. Proceedings of a symposium. October 1986, Washington, D.C. **Toxicol Ind Health** 1987 Jun;3(2):1–233

Inhibitory effect of reserpine on N–2–fluorenylacetamide–induced hepatocarcinogenesis in rats. Sugie S, et al. **Toxicol Lett** 1987 Jul;37(2):115–9

Certain aspects of hepatocarcinogenesis in the infant mouse model. Vesselinovitch SD. **Toxicol Pathol** 1987;15(2):221–8

[Tumors of the liver secondary to androgen therapy. Apropos of 2 cases in children] Frémond B, et al. **Chir Pediatr** 1987; 28(2):97–101 (Eng. Abstr.) **(Fre)**

[Hepatic hemangiosarcoma in a patient with portal fibrosis after exposure to vinyl chloride (letter)] Capony P, et al. **Gastroenterol Clin Biol** 1987 Apr;11(4):344 **(Fre)**

[Microangiopathic hemolytic anemia, erythrophagocytosis and consumption coagulopathy in vinyl chloride–induced

hemangiosarcoma of the spleen and liver] Michot F, et al. **Schweiz Med Wochenschr** 1987 Jun 27;117(26):990–5 (Eng. Abstr.) **(Ger)**

[Effect of sodium selenite on the activity of antioxidant enzymes (superoxide dismutase, glutathione peroxidase) during hepatocarcinogenesis] Babenko GA, et al. **Eksp Onkol** 1986;8(4):31–3 (Eng. Abstr.) **(Rus)**

[Interrelation between the phospholipid composition of rat liver plasma membranes and adenylate cyclase activity in the early stages of liver carcinogenesis induced by nitrosodiethylamine] Sanina KL, et al. **Eksp Onkol** 1986; 8(4):28–31 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Primary liver cell carcinoma. New insight for a more correct approach to its classification. Grigioni WF, et al. **Acta Pathol Jpn** 1987 Jun;37(6):929–40

Pathology of small hepatocellular carcinoma. A proposal for a new gross classification. Kanai T, et al. **Cancer** 1987 Aug 15;60(4):810–9

[Liver cancer—new stage classification according to TNM (UICC)] Sugahara K, et al. **Gan No Rinsho** 1986 Aug; 32(10):1369–72 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Intraperitoneal hemorrhage due to spontaneous rupture of hepatocellular carcinoma: treatment by hepatic artery embolization. Hsieh JS, et al. **AJR** 1987 Oct;149(4):715–7

Hepatocellular carcinoma in an 11-year-old girl with Fanconi's anemia. Report of a case and review of the literature. Abbondanzo SL, et al. **Am J Pediatr Hematol Oncol** 1986 Winter;8(4):334–7

Central thrombocytopenia and liver disease [letter] Bettan L, et al. **Ann Intern Med** 1987 Jan;106(1):170

Metastases from hepatocellular carcinoma in sclerosed oesophageal varices in cirrhotic patients. Hiraoka T, et al. **Br J Surg** 1986 Nov;73(11):932

Elevation of CA 125 in patients with benign and malignant ascites. Bergmann JF, et al. **Cancer** 1987 Jan 15;59(2):213–7

A hospital employee with fluctuating jaundice. Villanueva SY. **Hosp Pract [Off]** 1986 Oct 30;21(10A):74, 77, 80

Hepatocellular carcinoma and cirrhosis of liver. Malik GK, et al. **Indian J Pediatr** 1986 May-Jun;53(3):423–5

CT diagnosis of massive hemorrhage from hepatocellular carcinoma. Cates JD, et al. **J Comput Assist Tomogr** 1987 Jan–Feb;11(1):81–2

Lactic acidosis B associated with solid tumors. Archer S, et al. **Minn Med** 1986 Sep;69(9):511–4

HDV infection in Romania. Tapalaga D, et al. **Prog Clin Biol Res** 1987;234:425

Diabetes mellitus and primary hepatocellular carcinoma. Lawson DH, et al. **Q J Med** 1986 Oct;61(234):945–55

Bleeding jejunal varices in a cirrhotic patient with hepatocellular carcinoma. Mo LR, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 May;86(5):549–52

[A young woman with a liver tumor and hypercalcemia] Zelissen PM, et al. **Ned Tijdschr Geneeskd** 1986 Sep 20; 130(38):1705–7 (Eng. Abstr.) **(Dut)**

[Is subcapsular hematoma of the liver on a benign tumor a surgical emergency?] Samama G, et al. **Ann Chir** 1986 May;40(4):237–9 (Eng. Abstr.) **(Fre)**

[Primary malignant lymphoma of the liver and cirrhosis: an unusual association] Devars du Mayne JF, et al. **Ann Med Interne (Paris)** 1987;138(1):34–7 (Eng. Abstr.) **(Fre)**

[Spontaneous rupture of an hepatocarcinoma on a cirrhotic liver (letter)] Carpentier E, et al. **J Chir (Paris)** 1987 Jan; 124(1):59 **(Fre)**

[Spontaneous hemoperitoneum caused by rupture of a hepatocarcinoma (letter)] Safi J, et al. **J Chir (Paris)** 1987 Jun–Jul;124(6–7):409 **(Fre)**

[Infectious complications in patients with malignant blood diseases] Martino P, et al. **Ann Ist Super Sanita** 1986; 22(3):969–72 (Eng. Abstr.) **(Ita)**

[Spontaneous rupture of hepatocarcinoma, a rare cause of hemoperitoneum. Presentation of 2 cases] Capretti PG, et al. **Minerva Chir** 1987 Jan 31;42(1–2):105–10 (Eng. Abstr.) **(Ita)**

[Treatment of obstructive icterus due to hilus hepatis neoplasms] Di Gesù G, et al. **Minerva Chir** 1986 Jul 31; 41(13–14):1191–7 (Eng. Abstr.) **(Ita)**

[Hemoperitoneum: the initial symptom of hepatoblastoma in a child operated on with success] Giacomoni MA, et al. **Minerva Pediatr** 1986 Oct 31;38(20):949–51 (Eng. Abstr.) **(Ita)**

[A case of hepatocellular carcinoma associated with polyphagia due to midbrain tumor embolism] Hayashi K, et al. **Nippon Naika Gakkai Zasshi** 1987 Mar;76(3):441–4 **(Jpn)**

[A case of multiple myeloma with hepatocellular carcinoma] Inoue J, et al. **Nippon Naika Gakkai Zasshi** 1986 Dec; 75(12):1845–6 **(Jpn)**

[Nodular hyperplasia of the liver and unstable diabetes mellitus] Gonciarz Z, et al. **Przegl Lek** 1986;43(6):476–8 **(Pol)**

[A case report on the obstructive syndrome (icterus) caused by a teratoma] Bogavac M, et al. **Med Pregl** 1986; 39(11–12):573–4 (Eng. Abstr.) **(Ser)**

[Dermatomyositis and hepatic carcinoma (letter)] Abós J, et al. **Med Clin (Barc)** 1987 Jun 27;89(5):215–6 **(Spa)**

[Hepatocholangiocarcinoma associated with renal clear cell carcinoma] Pachar JV, et al. **Rev Med Panama** 1987 Jan; 12(1):37–40 (Eng. Abstr.) **(Spa)**

CONGENITAL

Infantile hemangioendothelioma of heterotopic intrathoracic liver associated with diaphragmatic hernia. Shah KD, et al. **Hum Pathol** 1987 Jul;18(7):754–6

Cystic teratoma in the bare area of liver. Rao PL, et al. **Indian J Pediatr** 1987 Mar-Apr;54(2):275–8

[Unusual presentation of a voluminous cavernous angioma of the liver] Riccipetitoni G, et al. **Minerva Chir** 1987 Feb 28;42(4):313–6 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Structure enhancement by subtraction in magnetic resonance imaging. Hemmingsson A, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jul-Aug;27(4):459–61

Mesenchymal hamartoma of the liver in childhood [letter] Marti-Bonmati L, et al. **AJR** 1987 Jun;148(6):1275–6

MR imaging of hepatic focal nodular hyperplasia: characterization and distinction from primary malignant hepatic tumors. Mattison GR, et al. **AJR** 1987 Apr; 148(4):711–5

Pseudotumor of the quadrate lobe in hepatic sonography: a sign of generalized fatty infiltration. Sauerbrei EE, et al. **AJR** 1986 Nov;147(5):923–7

Mesenchymal hamartomas of the liver in childhood: sonographic and CT findings. Stanley P, et al. **AJR** 1986 Nov;147(5):1035–9

Hepatocellular carcinoma: MR appearance mimicking focal nodular hyperplasia. Wilbur AC, et al. **AJR** 1987 Oct; 149(4):721–2

Usefulness of selective arterial secretin injection test for localization of gastrinoma in the Zollinger-Ellison syndrome. Imamura M, et al. **Ann Surg** 1987 Mar; 205(3):230–9

Imaging techniques. Cherryman GR, et al. **Baillieres Clin Gastroenterol** 1987 Jan;1(1):91–113 (30 ref.)

Carcinoid and neuroendocrine tumours of the liver. Hodgson HJ, et al. **Baillieres Clin Gastroenterol** 1987 Jan;1(1):35–61 (68 ref.)

The clinical features and natural history of malignant liver tumours. Johnson PJ. **Baillieres Clin Gastroenterol** 1987 Jan;1(1):17–34 (79 ref.)

Tumour markers in diagnosis and management. Warnes TW, et al. **Baillieres Clin Gastroenterol** 1987 Jan;1(1):63–89 (110 ref.)

Ultrasonographic patterns of focal hepatic and splenic lesions in Hodgkin's and non-Hodgkin's lymphoma. Wernecke K, et al. **Br J Radiol** 1987 Jul;60(715):655–60

Detection of spread of malignant lymphoma to the liver by low field strength magnetic resonance imaging. Richards MA, et al. **Br Med J [Clin Res]** 1986 Nov 1; 293(6555):1126–8

Prognostic factors in patients with hepatocellular carcinoma. Attempts for the selection of patients with prolonged survival. Attali P, et al. **Cancer** 1987 Jun 15;59(12):2108–11

Thyroxine-binding globulin as a marker of liver tumors. Terui S, et al. **Cancer Detect Prev** 1987;10(5–6):371–8

Clinical significance of hepatoma-specific band of serum gamma-glutamyl transferase. Xu KC, et al. **Chin Med J [Engl]** 1986 Jul;99(7):583–6

Ultrasound and ultrasonically guided biopsy in hepatic lymphoma. Cavanna L, et al. **Eur J Cancer Clin Oncol** 1987 Mar;23(3):323–6

Preliminary findings in the evaluation of hepatic malignancies by radioimmunodetection, X-ray computed tomography, and magnetic resonance imaging. DeLand FH, et al. **Eur J Nucl Med** 1986;12(9):429–35

Independent occurrence of hepatocellular and cholangiocellular cancer nodules in the liver. Furuta T, et al. **Eur J Surg Oncol** 1987 Feb;13(1):69–73

Diagnosis of primary hepatocellular carcinoma [editorial] Tong MJ. **Gastroenterology** 1986 Nov;91(5):1306–7

The liver cancer that wasn't. Sheth NK, et al. **Geriatrics** 1986 Oct;41(10):77–8, 81, 84

Histologic differential diagnosis of focal liver lesions by ultrasonically guided fine needle biopsy. Limberg B, et al. **Gut** 1987 Mar;28(3):237–41

Non Hodgkin lymphoma localized in the liver: report of a case without involvement of the other tested districts. Colli A, et al. **Haematologica (Pavia)** 1986 May-Jun;71(3):229–31

Proaccelerin and prothrombin assays for detection of hepatocellular carcinoma [letter] Lefrère JJ, et al. **Hepatology** 1987 Mar-Apr;7(2):414

Flow cytometric detection of B-clonal excess in fine needle aspirates for enhanced diagnostic accuracy in non-Hodgkin's lymphoma in adults. Johnson A, et al. **Histopathology** 1987 Jun;11(6):581–90

Liver abnormalities and persistent pain in limbs. Reddy KR. **Hosp Pract [Off]** 1986 Nov 30;21(11A):96–8

Hepatoblastoma in an adult female [letter] Bhatnagar A, et al. **Indian J Gastroenterol** 1987 Apr;6(2):125–6

Lipoma of the liver. Pham DH, et al. **J Can Assoc Radiol** 1986 Dec;37(4):283–4

MR imaging of hepatocellular carcinoma. Itai Y, et al. **J Comput Assist Tomogr** 1986 Nov-Dec;10(6):963–8

CT and MR imaging of fatty tumors of the liver. Itai Y, et al. **J Comput Assist Tomogr** 1987 Mar-Apr;11(2):253–7

Fast spin echo imaging with suspended respiration: gadolinium enhanced MR imaging of liver tumors. Mano I, et al. **J Comput Assist Tomogr** 1987 Jan–Feb;11(1):73–80

MR imaging of hepatoma treated by embolization. Ohtomo K, et al. **J Comput Assist Tomogr** 1986 Nov–Dec; 10(6):973–5

MR imaging of a hepatoma associated with Alagille syndrome. Ong E, et al. **J Comput Assist Tomogr** 1986 Nov–Dec;10(6):1047–9

"Scar sign" on computed tomography and sonography in fibrolamellar hepatocellular carcinoma. Kane RA, et al. **J Comput Tomogr** 1987 Jan;11(1):27–30

Discriminant analysis in the clinical and biochemical diagnosis of primary liver cancer. Farinati F, et al. **J Med Clin Exp Theor** 1986;17(5–6):347–55

Acarboxy prothrombin (PIVKA-II) as a marker of hepatoblastoma in infants. Motohara K, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan–Feb;6(1):42–5

Cutaneous seeding of hepatocellular carcinoma after fine-needle aspiration biopsy. Onodera H, et al. **J Ultrasound Med** 1987 May;6(5):273–5

The radiological evaluation of hepatic cavernous hemangioma. Brant WE, et al. **JAMA** 1987 May 8; 257(18):2471–4

Ultrasonographically undetectable cavernous hemangioma of the liver: can all hemangioma be detected by ultrasonography? Aihara T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Aug 25; 46(8):1023–9

Clinical and diagnostic features of 67 cases of hepatocellular carcinoma. Buscarini L, et al. **Oncology** 1987;44(2):93–7

Value of serum alpha-fetoprotein and ferritin in the diagnosis of hepatocellular carcinoma. Tatsuta M, et al. **Oncology** 1986;43(5):306–10

Test and teach. Number fifty-three. Diagnosis: Fibrolamellar carcinoma of the liver. Cooke C, et al. **Pathology** 1986 Jul; 18(3):281–2, 357

Ultrasonography of small hepatic tumors. Itai Y, et al. **Radiat Med** 1987 Jan–Feb;5(1):14–9

Dynamic MRI of hepatic tumors using gadolinium-DTPA—preliminary results. Ohtomo K, et al. **Radiat Med** 1986 Apr–Jun;4(2):51–3

Focal hepatic mass screening: MR imaging or CT scanning? [editorial] Bernardino ME. **Radiology** 1987 Jan;162(1 Pt 1):282–3

Conventional and rapid MR imaging of the liver with Gd-DTPA. Hamm B, et al. **Radiology** 1987 Aug; 164(2):313–20

Metastatic nodules of hepatocellular carcinoma: detection with angiography, CT, and US. Hayashi N, et al. **Radiology** 1987 Oct;165(1):61–3

Hepatocellular carcinoma: MR imaging. Itoh K, et al. **Radiology** 1987 Jul;164(1):21–5

Hepatic tumors: US contrast enhancement with CO_2 microbubbles. Matsuda Y, et al. **Radiology** 1986 Dec; 161(3):701–5

Perfluorochemicals as US contrast agents for tumor imaging and hepatosplenography: preliminary clinical results. Mattrey RF, et al. **Radiology** 1987 May;163(2):339–43

Hepatic tumors: dynamic MR imaging. Ohtomo K, et al. **Radiology** 1987 Apr;163(1):27–31

MR detection of liver metastases [letter] Reinig JW, et al. **Radiology** 1987 May;163(2):582–3

Ferrite particles: a superparamagnetic MR contrast agent for enhanced detection of liver carcinoma. Saini S, et al. **Radiology** 1987 Jan;162(1 Pt 1):217–22

Focal liver masses: differential diagnosis with pulsed Doppler US. Taylor KJ, et al. **Radiology** 1987 Sep;164(3):643–7

Sonography for space-occupying lesions in the liver. Fusco G, et al. **Rays** 1987 Jan–Apr;12(1):57–62

Magnetic resonance imaging in evaluating focal liver lesions. Börsch G, et al. **South Med J** 1987 Sep;80(9):1125–8

Fine needle aspiration biopsy in the diagnosis of hepatic malignancy. Thomas E, et al. **South Med J** 1987 Jul; 80(7):901–2

Undifferentiated (embryonal) sarcoma of the liver in childhood: results of a retrospective Italian study. Perilongo G, et al. **Tumori** 1987 Jun 30;73(3):213–7

[Present-day diagnosis of primary liver cancer] Grigorov N, et al. **Vutr Boles** 1986;25(5):91–3 **(Bul)**

[Hepatocellular carcinoma—its echographic characteristics and diagnostic potentials] Naumov N, et al. **Vutr Boles** 1986;25(3):49–55 (Eng. Abstr.) **(Bul)**

[Hemangioma of the liver—ultrasonic and computed tomographic correlation] Vasileva Zh, et al. **Vutr Boles** 1986;25(5):94–7 **(Bul)**

[Fine needle aspiration cytology in the diagnosis of primary liver cancer] Zhang BC, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Jul;8(4):268–9 (Eng. Abstr.) **(Chi)**

[Clinical significance of low-level alpha-fetoprotein in the diagnosis and treatment of primary liver cancer] Lu PX. **Chung Hua I Hsueh Tsa Chih** 1986 Apr;66(4):207–10, 254 (Eng. Abstr.) **(Chi)**

[Evaluation of serum glycylproline dipeptidyl aminopeptidase activity in the diagnosis of primary liver cancer] Ye SL. **Chung Hua I Hsueh Tsa Chih** 1987 Mar; 67(3):134–6, 184 (Eng. Abstr.) **(Chi)**

[Sonographic diagnosis of a tumor after high-frequency hyperthermy] Yuan SY. **Chung Hua I Hsueh Tsa Chih** 1986 Jun;66(6):349–50, 384 (Eng. Abstr.) **(Chi)**

[Evaluation of serum ferritin determination in the diagnosis of hepatic carcinoma] Li WD, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Nov;25(11):646–8, 700

(Eng. Abstr.) (Chi)
[Evaluation of 10 markers of qualitative diagnosis of primary hepatic carcinoma] Meng XY, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Mar;26(3):141–5, 189 (Eng. Abstr.) (Chi)
[Assessment of the diagnostic value of gamma–GT isoenzyme in hepatocellular carcinoma] Sun HY, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Jun;25(6):341–3, 381 (Eng. Abstr.) (Chi)
[Diagnostic significance of the combined determination of serum alpha–1–antitrypsin and alpha–1–antichymotrypsin for primary hepatocellular carcinoma] Xu KC, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Jan;26(1):27–9, 63 (Eng. Abstr.) (Chi)
[Clinical value of serum CEA measured by the McAb–enzyme immunoassay in cancer patients] Xiao YK, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Mar; 18(1):33–6 (Eng. Abstr.) (Chi)
[Ultrasonographic diagnosis of liver neoplasms] Stoilov M, et al. **Vnitr Lek** 1986 Oct;32(10):937–42 (Eng. Abstr.) (Cze)
[Aid to the clinical and biological diagnosis of malignancy in a nodular hepatic image discovered by echography] Asselain B, et al. **Bull Cancer (Paris)** 1987;74(1):66–74 (Eng. Abstr.) (Fre)
[Ultrasonic pseudotumoral aspect of cirrhosis] Brauner M, et al. **J Radiol** 1987 Apr;68(4):255–8 (Eng. Abstr.) (Fre)
[Hepatic pseudo–nodule of diaphragmatic origin. Apropos of 6 cases] Brauner M, et al. **J Radiol** 1986 Oct;67(10):707–9 (Eng. Abstr.) (Fre)
[Assessment of the comparative activities of NMR and radioisotope scanning at the Hammersmith Hospital] Curati WL, et al. **J Radiol** 1986 Jun–Jul;67(6–7):527–8 (Fre)
[Value of ultrasonically–guided liver puncture biopsy in the diagnosis of primary liver cancer. Apropos of 84 cases] Peghini M, et al. **Med Trop (Mars)** 1987 Apr–Jun; 47(2):167–70 (Eng. Abstr.) (Fre)
[Hepatic lymphoma simulating glycogenosis (letter)] Largilliere C, et al. **Presse Med** 1986 Dec 13;15(44):2211 (Fre)
[Fine needle aspiration cytology of liver and pancreas tumors] Dinkov L, et al. **Arch Geschwulstforsch** 1986; 56(5):357–65 (Eng. Abstr.) (Ger)
[Primary liver cell carcinoma] Wildhirt E. **Lebensversicherungsmedizin** 1987 Jan 1;39(1):18–9 (Eng. Abstr.) (Ger)
[Sonographic demonstration of liver hemangiomas] Schmidt HG, et al. **Leber Magen Darm** 1986 Sep;16(5):299–304 (Ger)
[Fibrolamellar liver carcinoma. Diagnosis by imaging procedures] Gödecke A, et al. **ROFO** 1987 Jun; 146(6):725–7 (Ger)
[Neuroblastoma IV–S. A case contribution on hepatomegaly] Götz GF, et al. **ROFO** 1987 Jul;147(1):91–3 (Ger)
[Magnetic resonance tomography of focal hepatic lesions using the para–magnetic contrast medium, gadolinium DTPA. First clinical results] Hamm B, et al. **ROFO** 1986 Dec;145(6):684–91 (Eng. Abstr.) (Ger)
[Right–side abdominal pain, weight loss] Marolf A, et al. **Schweiz Rundsch Med Prax** 1986 Dec 2;75(49):1509–12 (Eng. Abstr.) (Ger)
[Viral tumor markers] Löning T, et al. **Verh Dtsch Ges Pathol** 1986;70:104–15 (Eng. Abstr.) (Ger)
[Correlation between values of alpha–1–fetoprotein and clinical manifestations of cirrhosis in the evaluation of a carcinomatous course of the disease. Preliminary data on case material on elderly patients] La Cascia C, et al. **Minerva Med** 1987 Jul 15;78(13):889–92 (Eng. Abstr.) (Ita)
[CA–50: evaluation of a new tumor marker in the diagnosis of neoplastic pathologies of the gastrointestinal tract] Pecchio F, et al. **Minerva Med** 1987 Feb 15;78(3):141–4 (Eng. Abstr.) (Ita)
[Imaging diagnosis of hepatobiliary system and pancreas—computed tomography, ultrasound and angiography] Kawahira K, et al. **Gan No Rinsho** 1986 Aug; 32(10):1074–6 (Eng. Abstr.) (Jpn)
[Diagnostic imaging of hepatic tumors] Matsuoka Y, et al. **Gan No Rinsho** 1986 Aug;32(10):1259–61 (Eng. Abstr.) (Jpn)
[Ultrasound diagnosis of hepatocellular carcinoma] Ohto M, et al. **Gan No Rinsho** 1986 Aug;32(10):1262–6 (Eng. Abstr.) (Jpn)
[A case of primary hepatic malignant lymphoma diagnosed by needle biopsy under peritoneoscopic examination] Yuasa K, et al. **Nippon Naika Gakkai Zasshi** 1986 Nov; 75(11):1616–21 (Jpn)
[Clinical MRI of disease. 4) Digestive system diseases. a. MRI of the gallbladder and liver cancer] Yoshikawa K. **Nippon Rinsho** 1987 Jan;45(1):145–52 (Jpn)
[A case of old intrahepatic hematoma, suspected cystadenocarcinoma of the liver] Matsuda H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct;83(10):2254–7 (Jpn)
[Diagnosis and clinical features of portal vein tumor thrombosis in hepatocellular carcinoma] Sugiura N, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct;83(10):2151–60 (Eng. Abstr.) (Jpn)
[Magnetic resonance imaging in hemangioma of the liver, with special reference to differentiation from hepatocellular carcinoma] Watanabe Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Dec;83(12):2550–62 (Eng. Abstr.) (Jpn)
[Liver cysts] Azuma Y. **Rinsho Hoshasen** 1986 Sep; 31(9):1039–40 (Jpn)
[Ultrasonography of the liver: hepatocellular carcinoma] Higashi Y. **Rinsho Hoshasen** 1986 Jul;31(7):839–40 (Jpn)
[Cavernous hemangioma of the liver in a high risk group of liver cancer] Itai Y, et al. **Rinsho Hoshasen** 1987 Jan; 32(1):71–8 (Eng. Abstr.) (Jpn)
[Magnetic resonance imaging of hepatoma] Kato T, et al. **Rinsho Hoshasen** 1986 Aug;31(8):903–6 (Eng. Abstr.) (Jpn)
[A case of inflammatory pseudotumor of the liver] Morita Y, et al. **Rinsho Hoshasen** 1987 Apr;32(4):537–40 (Eng. Abstr.) (Jpn)
[A case of hepatic hemangioendothelioma in an infant] Nagayasu O, et al. **Rinsho Hoshasen** 1986 Jul;31(7):849–51 (Eng. Abstr.) (Jpn)
[Dynamic magnetic resonance imaging of hepatocellular carcinoma] Ohtomo K, et al. **Rinsho Hoshasen** 1986 Sep; 31(9):1005–10 (Eng. Abstr.) (Jpn)
[Comparison of scintigraphy, CT and serum alpha–fetoprotein in patients with hepatocellular carcinoma] Ono S, et al. **Rinsho Hoshasen** 1986 Dec; 31(13):1521–5 (Eng. Abstr.) (Jpn)
[Magnetic resonance imaging of hepatic tumors using a rapid pulse sequence method] Yoshida H, et al. **Rinsho Hoshasen** 1987 Mar;32(3):391–6 (Eng. Abstr.) (Jpn)
[Primary liver cancer simulating acute cholecystitis, treated by emergency excision of the right lobe] Malinowski J, et al. **Wiad Lek** 1986 Oct 1;39(19):1350–1 (Eng. Abstr.) (Pol)
[Primary squamous cell carcinoma of the liver] Pawelczak I, et al. **Wiad Lek** 1987 Feb 1;40(3):188–90 (Eng. Abstr.) (Pol)
[Telethermography and its use in thermography] Shadrin SA, et al. **Pediatriia** 1987;(2):72–6 (Rus)
[Ultrasonography in the diagnosis of metastases of cancer of the large intestine to the liver] Orlova LP. **Ter Arkh** 1987;59(2):121–3 (Eng. Abstr.) (Rus)
[Cases of primary cancer of the liver] Kochetov AM, et al. **Vrach Delo** 1987 Jul;(7):62–4 (Rus)

DRUG THERAPY

Complete chemotherapeutic regression of hepatic metastases with resultant hepar lobatum. Chin NW, et al. **Am J Gastroenterol** 1987 Feb;82(2):149–51
Arterial chemoembolization with mitomycin C microcapsules followed by transcatheter hepatic artery embolization for hepatocellular carcinoma. Ohnishi K, et al. **Am J Gastroenterol** 1987 Sep;82(9):876–9
Effect of ligation of variant hepatic arterial structures on the completeness of regional chemotherapy infusion. Cohen AM, et al. **Am J Surg** 1987 Apr;153(4):378–80
Intrahepatic or systemic infusion of fluorodeoxyuridine in patients with liver metastases from colorectal carcinoma. A randomized trial. Kemeny N, et al. **Ann Intern Med** 1987 Oct;107(4):459–65
Hepar lobatum associated with chemotherapy and metastatic breast cancer. Qizilbash A, et al. **Arch Pathol Lab Med** 1987 Jan;111(1):58–61
The use of the implantable chemoinfusion pump in the treatment of hepatic metastases of colorectal cancer. Ramming KP, et al. **Arch Surg** 1986 Dec;121(12):1440–4
Hepatic artery infusion chemotherapy with the Infusaid pump: a Canadian experience. Winton TL, et al. **Can J Surg** 1986 Sep;29(5):379–80
Regional intra–arterial infusion of cisplatin in primary hepatocellular carcinoma. A phase II study. Kajanti M, et al. **Cancer** 1986 Dec 1;58(11):2386–8
A complication of prolonged infusional chemotherapy masquerading as a bone metastasis in a patient with colorectal carcinoma. Reichman BS, et al. **Cancer** 1987 Mar 15;59(6):1098–100
Intra–arterial administration of epirubicin in the treatment of nonresectable hepatocellular carcinoma. Epirubicin Study Group for Hepatocellular Carcinoma. **Cancer Chemother Pharmacol** 1987;19(3):183–9
Relationship between systemic 5–FU passage and response in colorectal cancer patients treated with intrahepatic chemotherapy. Milano G, et al. **Cancer Chemother Pharmacol** 1987;20(1):71–4
Phase II study of hepatic arterial degradable starch microspheres and mitomycin. Wollner IS, et al. **Cancer Drug Deliv** 1986 Fall;3(4):279–84
Selective anticancer effects of 3',5'–dioctanoyl–5–fluoro–2'–deoxyuridine, a lipophilic prodrug of 5–fluoro–2'–deoxyuridine, dissolved in an oily lymphographic agent on hepatic cancer of rabbits bearing VX–2 tumor. Fukushima S, et al. **Cancer Res** 1987 Apr 1;47(7):1930–4
Clinical trial of doxifluridine in the treatment of primary hepatocellular carcinoma. Lai KH, et al. **Cancer Treat Rep** 1986 Nov;70(11):1339–40
DSA—control of implanted devices for arterial hepatic perfusion. Lehner K, et al. **Cardiovasc Intervent Radiol** 1987;10(2):71–4
Follow–up on a prospective study of continuous hepatic perfusion with implantable pump. Trivisionno DP, et al. **Dis Colon Rectum** 1986 Nov;29(11):691–3
Regional arterial chemotherapy of liver tumours. I. Performance comparison between a totally implantable pump and a conventional access system. Civalleri D, et al. **Eur J Surg Oncol** 1986 Sep;12(3):277–82
Primary non–Hodgkin's lymphoma of the liver. Czerniak A, et al. **Eur J Surg Oncol** 1987 Jun;13(3):251–5
Gastroduodenal mucosal injury during hepatic arterial infusion of chemotherapeutic agents. Lack of cytoprotection by prostaglandin E1 analogue. Mavligit GM, et al. **Gastroenterology** 1987 Mar;92(3):566–9
Morphological changes after intra–arterial chemotherapy of the liver. Herrmann G, et al. **Hepatogastroenterology** 1987 Feb;34(1):5–9
Hepatic arterial infusion of mitoxantrone in the treatment of primary hepatocellular carcinoma. Shepherd FA, et al. **J Clin Oncol** 1987 Apr;5(4):635–40
Induction of remission in hepatocellular carcinoma with a new thymidylate synthase inhibitor, CB3717. A phase II study. Dassendine MF, et al. **J Hepatol** 1987 Jun;4(3):349–56
Significance of serum bilirubin level in response of hepatocellular carcinoma to doxorubicin. Johnson PJ, et al. **J Hepatol** 1986;3(2):149–53
Intraarterial injection of anti–tumor drugs dispersed in lipid contrast medium: a choice for initially unresectable hepatoblastoma in infants. Ogita S, et al. **J Pediatr Surg** 1987 May;22(5):412–4
Serum vitamin B12 levels in patients with primary hepatocellular carcinoma during treatment with CB3717. Buamah PK, et al. **J Surg Oncol** 1987 Feb;34(2):100–3
Hepatic intra–arterial adriamycin in metastatic leiomyosarcoma: exploiting the steep dose–response curve. Khansur T, et al. **J Surg Oncol** 1987 Sep;36(1):76–9
Good tolerance to high–dose hepatic arterial infusion therapy. Wile AG, et al. **J Surg Oncol** 1986 Nov; 33(3):207–11
Phase 2 study of high dose etoposide (VP16–213) in hepatocellular carcinoma. Shiu W, et al. **Jpn J Clin Oncol** 1987 Jun;17(2):113–5
Combination chemotherapy for unresectable hepatoblastoma in children. Ogita S, et al. **Jpn J Surg** 1987 Jan;17(1):21–7
Combination chemotherapy of hepatocellular cancer. Comparison of adriamycin + VM 26 + 5–fluorouracil with mAMSA + VM 26 + 5–fluorouracil. Bezwoda WR, et al. **Oncology** 1987;44(4):207–9
US–guided percutaneous alcohol injection of small hepatic and abdominal tumors. Livraghi T, et al. **Radiology** 1986 Nov;161(2):309–12
Distribution of iodized oil within the liver after hepatic arterial injection [letter] Park CH, et al. **Radiology** 1987 Aug;164(2):585–6
Small hepatocellular carcinoma: intratumor ethanol treatment using new needle and guidance systems. Sheu JC, et al. **Radiology** 1987 Apr;163(1):43–8
Conversion from regional to systemic chemotherapy. Holt RW. **Surg Gynecol Obstet** 1987 May;164(5):468–70
Long–term survival and complete response to adriamycin and etoposide in a case of hepatocellular carcinoma. Giaccone G, et al. **Tumori** 1986 Aug 31;72(4):409–11
Percutaneous interstitial chemotherapy of a small hepatocellular carcinoma under ultrasound guidance. Livraghi T, et al. **Tumori** 1986 Oct 31;72(5):525–7
[Clinical and experimental study on the antitumor effect of cockroach extract] Chen LM. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Nov;6(11):647–50, 643 (Eng. Abstr.) (Chi)
[Cucurbitacins in the treatment of hepatitis and primary liver cancer. Current status of pharmacological and clinical research] Ren FB, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Oct;6(10):633–5 (17 ref.) (Chi)
[Randomized clinical trial of cis–platinum diamminedichloride (PDD) in the treatment of hepatocellular carcinoma (HCC)] Yang BH, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Nov;8(6):467–9 (Eng. Abstr.) (Chi)
[Treatment of 25 patients with hepatocellular carcinoma with an anti–androgen, cyproterone acetate (Androcur) (letter)] Mal F, et al. **Gastroenterol Clin Biol** 1987 Apr;11(4):342–3 (Fre)
[Targeting of anthracyclines and hepatomas] Ceulemans F, et al. **Pathol Biol (Paris)** 1987 Jan;35(1):61–8 (Eng. Abstr.) (Fre)
[Clinical use of microspheres of degradable amide in the regional chemotherapy of hepatic tumors] Civalleri D, et al. **Minerva Chir** 1987 Feb 15;42(3):193–8 (Eng. Abstr.) (Ita)
[An unresectable case of hepatoma completely disappearing after oral administration of an anticancer drug (UFT)] Ando B, et al. **Gan To Kagaku Ryoho** 1986 Oct; 13(11):3261–5 (Eng. Abstr.) (Jpn)
[The effect and CT imaging of FAM hepatic infusion chemotherapy in patients with liver metastasis from colorectal carcinoma] Aoki T, et al. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2744–8 (Eng. Abstr.) (Jpn)
[A study of hepatic arterial occlusion by infusion chemotherapy via the left subclavian artery] Aoki T, et al. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2740–3 (Eng. Abstr.) (Jpn)
[Preliminary results of a phase II study of 5–FU, adriamycin, and mitomycin C (FAM) in combined hepatic infusion in patients with non–resectable metastatic liver cancer] Arai Y, et al. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2327–33

(Eng. Abstr.) **(Jpn)**

[Chemotherapy of balloon-occluded arterial infusion in a patient with unresectable hepatocellular carcinoma and autoimmune hemolytic anemia] Fujio N, et al. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3519-22 (Eng. Abstr.) **(Jpn)**

[Almost complete disappearance of metastatic pulmonary tumor and reduction of the main hepatic mass in a case of hepatocellular carcinoma treated with UFT] Hayashi K, et al. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2775-8 (Eng. Abstr.) **(Jpn)**

[A case of hepatocellular carcinoma with bone metastasis which responded to oral administration of UFT] Inada M, et al. **Gan To Kagaku Ryoho** 1987 Feb;14(2):531-5 (Eng. Abstr.) **(Jpn)**

[Intrahepatic-artery infusion of cis-diamminedichloroplatinum (II) and 5-fluorouracil in primary or metastatic liver cancer] Koga S, et al. **Gan To Kagaku Ryoho** 1987 Feb;14(2):404-10 (Eng. Abstr.) **(Jpn)**

[Evaluation of immunochemotherapy in patients with primary liver cancer. Osaka Research Society for Liver, Gallbladder and Pancreas] Kojima J, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):179-87 (Eng. Abstr.) **(Jpn)**

[Two-route chemotherapy using the anticancer drug cis-diamminedichloroplatinum(II) and its antidote, sodium thiosulfate] Kuroiwa T, et al. **Gan To Kagaku Ryoho** 1987 Apr;14(4):1011-7 (Eng. Abstr.) **(Jpn)**

[A case of relapsed gastric cancer treated successfully by chemotherapy--lung metastasis and relapsed cancer in the hepatic portal system] Nagamatsu Y, et al. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3527-31 (Eng. Abstr.) **(Jpn)**

[A case of hepatocellular carcinoma with extrahepatic portal vein obstruction due to tumor invasion, responsive to oral administration of UFT] Nakanishi T, et al. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2783-6 (Eng. Abstr.) **(Jpn)**

[The effect of etoposide (Et) on primary hepatocellular carcinoma] Tanaka N, et al. **Gan To Kagaku Ryoho** 1987 Aug;14(8):2583-5 **(Jpn)**

[Criteria for determining the efficacy of liver cancer chemotherapy] Yamamoto M. **Gan To Kagaku Ryoho** 1986 Oct;13(10):3081-92 **(Jpn)**

[Effect of arterial injection of lipiodol-adriamycin emulsion on hepatocellular carcinoma] Sonoyama T, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 May 20;21(4):773-9 (Eng. Abstr.) **(Jpn)**

[Intra-arterial chemoembolization with albumin microspheres including mitomycin C in inoperable hepatic cancer] Endoh F. **Nippon Geka Gakkai Zasshi** 1987 May; 88(5):584-93 (Eng. Abstr.) **(Jpn)**

[Acute gastric mucosal lesion (AGML) in patients receiving hepatic artery infusion chemotherapy] Kurimoto K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 May;84(5):1029-36 (Eng. Abstr.) **(Jpn)**

[Ultrasonographically guided percutaneous direct injection therapy of unresectable hepatoma] Onodera H, et al. **Rinsho Hoshasen** 1986 Nov;31(12):1461-4 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Enzyme histochemistry of hepatocellular neoplasms. Cohen MB, et al. **Am J Surg Pathol** 1986 Nov;10(11):789-94

Regulation of 3-hydroxy-3-methylglutaryl-coenzyme A reductase in human hepatoma cell line Hep G2. Effects of inhibitors of cholesterol synthesis on enzyme activity. Boogaard A, et al. **Biochem J** 1987 Jan 15;241(2):345-51

Estimation of poly (C) avid serum ribonuclease in hepatoma patients. Francesconi M, et al. **Cancer Detect Prev** 1987; 10(5-6):379-81

Transformation of a rat liver cell line: neoplastic phenotype and regulation of gamma glutamyl transpeptidase in tumour tissue. Sinha S, et al. **Cancer Lett** 1987 May;35(2):215-24

Development of cytochrome P-450-altered preneoplastic and neoplastic lesions during nitrosamine-induced hepatocarcinogenesis in the rat. Buchmann A, et al. **Cancer Res** 1987 Jun 1;47(11):2911-8

Hepatic drug-metabolizing enzymes in primary and secondary tumors of human liver. el Mouelhi M, et al. **Cancer Res** 1987 Jan 15;47(2):460-6

Heme enzyme patterns in rat liver nodules and tumors. Stout DL, et al. **Cancer Res** 1987 Feb 15;47(4):963-6

Glycylproline dipeptidyl aminopeptidase and gamma-glutamyl transpeptidase in human hepatic cancer and embryonal tissues. Kojima J, et al. **Clin Chim Acta** 1987 Aug 31;167(3):285-91

A human hepatoma cell line expresses a single-chain form of gamma-glutamyl transpeptidase. Tate SS, et al. **J Biol Chem** 1987 Aug 25;262(24):11403-6

Decrease in glucokinase and glucose-6-phosphatase and increase in hexokinase in putative preneoplastic lesions of rat liver. Fischer G, et al. **J Cancer Res Clin Oncol** 1987; 113(5):430-6

gamma-Glutamyl transpeptidase in rat liver during 3'-Me-DAB hepatocarcinogenesis: immunohistochemical and enzyme histochemical study. Suzuki Y, et al. **J Histochem Cytochem** 1987 Jan;35(1):3-7

Examination of enzyme-altered foci with gamma-glutamyl transpeptidase, aldehyde dehydrogenase, glucose-6-phosphate dehydrogenase, and other markers in methacrylate-embedded liver. Pretlow TP, et al. **Lab Invest** 1987 Jan;56(1):96-100

Possible model of liver carcinogenesis using inhibitors of NAD+ ADP ribosyi transferase in rats. Konishi Y, et al. **Toxicol Pathol** 1986;14(4):483-8

Novel cholinesterase expression in the HuH-7 cell line. Hada T, et al. **Tumour Biol** 1987;8(1):3-8

[Bile fraction of alkaline phosphatase in hepatic neoplasms] Borghi L, et al. **G Clin Med** 1986 Dec;67(5-6):271-3 (Eng. Abstr.) **(Ita)**

[Liver phosphotyrosine protein phosphatase and tyrosine protein kinase in chemical hepatocarcinogenesis] Tsuiki S, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2010-7 (Eng. Abstr.) **(Jpn)**

ETHNOLOGY

Hepatocellular carcinoma in the Gisborne district [letter] Reddy J, et al. **NZ Med J** 1987 Jan 28;100(816):25

ETIOLOGY

Studies on the pathogenesis of hepatocellular carcinoma in HBV-negative alcoholic cirrhotics. Nonomura A, et al. **Acta Pathol Jpn** 1986 Sep;36(9):1297-305

Lipotropic factors and oncogenesis. Newberne PM. **Adv Exp Med Biol** 1986;206:223-51

Alcohol and cancer. Rogers AE, et al. **Adv Exp Med Biol** 1986;206:473-95

Effects of habitual alcohol intake and cigarette smoking on the development of hepatocellular carcinoma. Ohnishi K, et al. **Alcoholism (NY)** 1987 Feb;11(1):45-8

Aetiological factors in hepatocellular cancer. Bassendine MF. **Baillieres Clin Gastroenterol** 1987 Jan;1(1):1-16 (111 ref.)

A profile of primary hepatocellular carcinoma patients in the Gizan Area of Saudi Arabia. Ashraf SJ, et al. **Cancer** 1986 Nov 1;58(9):2163-8

Alcohol-nutrient interactions in cancer etiology. Ziegler RG. **Cancer** 1986 Oct 15;58(8 Suppl):1942-8

Clinicomorphological manifestations of primary liver carcinoma (PLC) in liver cirrhosis. Ferlan-Marolt V, et al. **Cancer Detect Prev** 1986;9(5-6):491-3

Aflatoxin exposure measured by urinary excretion of aflatoxin B1-guanine adduct and hepatitis B virus infection in areas with different liver cancer incidence in Kenya. Autrup H, et al. **Cancer Res** 1987 Jul 1;47(13):3430-3

Registry-based analysis of occupational risks for primary liver cancer in Sweden. McLaughlin JK, et al. **Cancer Res** 1987 Jan 1;47(1):287-91

Re: A case-control study of hepatocellular carcinoma and the hepatitis B virus, cigarette smoking, and alcohol consumption [letter] Yu MC, et al. **Cancer Res** 1987 Jan 15;47(2):654-5

Experimental, epidemiological and clinical aspects of liver carcinogenesis. **Cancer Surv** 1986;5(4):695-823

Some emerging general principles in the pathogenesis of hepatocellular carcinoma. Farber E. **Cancer Surv** 1986; 5(4):695-718 (72 ref.)

Interactive effects of chemical carcinogens and hepatitis B virus in the pathogenesis of hepatocellular carcinoma. Harris CC, et al. **Cancer Surv** 1986;5(4):765-80 (112 ref.)

The development of hepatocellular cancer in humans. Kew MC. **Cancer Surv** 1986;5(4):719-39 (86 ref.)

Dietary modulation of rat liver carcinogenesis. de Gerlache J, et al. **Carcinogenesis** 1987 Feb;8(2):337-40

alpha-Fetoprotein gene methylation and hepatocarcinogenesis in rats fed a choline-devoid diet. Locker J, et al. **Carcinogenesis** 1987 Feb;8(2):241-6

Hepatitis B virus DNA in human hepatocellular carcinoma: is the integration of hepatitis B virus DNA really carcinogenic? Hada H, et al. **Gastroenterol Jpn** 1986 Dec; 21(6):594-600

Aflatoxin content of foods served to a population with a high incidence of hepatocellular carcinoma. Lohiya G, et al. **Hepatology** 1987 Jul-Aug;7(4):750-2

Aspects of primary liver cancer and its relation to porphyria cutanea tarda and porphyria acuta intermittens. Hardell L. **IARC Sci Publ** 1986;(77):591-2

Hepatitis B virus, tobacco smoking and ethanol consumption in the etiology of hepatocellular carcinoma. Trichopoulos D, et al. **Int J Cancer** 1987 Jan 15;39(1):45-9

Hepatocellular carcinoma and hepatitis B virus infection: molecular evidence for monoclonal origin and expansion of malignantly transformed hepatocytes. Blum HE, et al. **J Cancer Res Clin Oncol** 1987;113(5):466-72

Hepatitis B virus (HBV) and hepatocellular carcinoma. HBV DNA status and its implications. Bréchot C. **J Hepatol** 1987 Apr;4(2):269-79 (51 ref.)

Cirrhosis and the aetiology of hepatocellular carcinoma. Johnson PJ, et al. **J Hepatol** 1987 Feb;4(1):140-7 (46 ref.)

Aflatoxin, viral hepatitis and primary liver cancer. Stora C, et al. **J Med Clin Exp Theor** 1987;18(1):23-41

Cystadenocarcinoma of the liver associated with previous choledochal cyst. Palmer JG, et al. **J R Soc Med** 1987 Mar;80(3):184-5

Relative contribution of dietary protein level and aflatoxin B1 dose in generation of presumptive preneoplastic foci in rat liver. Dunaif GE, et al. **JNCI** 1987 Feb;78(2):365-9

Hepatocarcinogenesis: a dynamic cellular perspective. Farber E, et al. **Lab Invest** 1987 Jan;56(1):4-22 (134 ref.)

Interaction of aflatoxin and hepatitis B virus in the pathogenesis of hepatocellular carcinoma. Rajagopalan MS, et al. **Life Sci** 1986 Oct 6;39(14):1287-90

Hepatocellular carcinoma in thalassemia major. Borgna-Pignatti C, et al. **Med Pediatr Oncol** 1986; 14(6):327-8

Liver cell cancer: insights into the pathogenesis of hepatocellular carcinoma in humans from experimental hepatocarcinogenesis in the rat. Farber E. **Monogr Pathol** 1987;(28):199-222 (105 ref.)

Molecular pathophysiology of persistent hepatitis B virus infection in relation to chronic liver disease and primary hepatocellular carcinoma. Shafritz DA, et al. **Monogr Pathol** 1987;(28):136-52

The effects of dietary fat and selenium on the development of preneoplastic lesions in rat liver. Baldwin S, et al. **Nutr Cancer** 1986;8(4):273-82

Significance of immune responses to mucosal carcinogens: a hypothesis and a workable model system. Keren DF, et al. **Pathol Immunopathol Res** 1986;5(3-5):265-77

Fat, lipotropes, hypolipidemic agents and liver cancer. Shinozuka H, et al. **Prog Clin Biol Res** 1986;222:461-86 (150 ref.)

Hepatocellular carcinoma in north-east England: importance of hepatitis B infection and ex-tropical military service. Cobden I, et al. **Q J Med** 1986 Sep;60(233):855-63

Occupational cancers of the gastrointestinal tract. II. Pancreas, liver, and biliary tract. Neugut AI, et al. **State Art Rev Occup Med** 1987 Jan-Mar;2(1):137-53 (103 ref.)

Complementarity between two rat liver tumor promoters. Laconi E, et al. **Toxicol Pathol** 1987;15(2):198-201

De novo hepatocellular carcinoma without chronic liver disease but with 17 years of azathioprine immunosuppression. Gruber S, et al. **Transplantation** 1987 Apr;43(4):597-600

[A case-control study of liver cancer in the rural area of Huarong County, Hunan Province] Wei SB. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1987 Apr; 8(2):84-7 (Eng. Abstr.) **(Chi)**

[Respective roles of aflatoxin and hepatitis B in the etiology of primary cancer of the liver in man] Stora C, et al. **Bull Acad Natl Med (Paris)** 1986 Jun;170(6):763-75 (Eng. Abstr.) **(Fre)**

[Hepatocellular carcinoma and autoimmune chronic active hepatitis (letter)] Pauwels A, et al. **Gastroenterol Clin Biol** 1987 May;11(5):432-3 **(Fre)**

[Malignant liver tumors due to Thorotrast exposure: comparison of ultrasound, computed tomography and nuclear magnetic resonance] Barth T, et al. **Rontgenpraxis** 1987 Jun;40(6):220-3 **(Ger)**

[Hepatocellular carcinoma, hepatitis B virus and the immune system] Grob PJ. **Schweiz Med Wochenschr** 1986 Aug 23; 116(34):1133-45 (74 ref.) (Eng. Abstr.) **(Ger)**

[HBV and hepatocellular carcinoma] Kaneko S, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 1):553-60 (36 ref.) (Eng. Abstr.) **(Jpn)**

[Enzyme alterations during chemical hepatocarcinogenesis] Sato K, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):1980-8 (Eng. Abstr.) **(Jpn)**

[Extramedullary plasmacytoma of the liver] Suzuki N, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Nov;49(7):1412-7 (Eng. Abstr.) **(Jpn)**

[Prospective study of the development of hepatocellular carcinoma in 160 patients with cirrhosis of the liver] Oka H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct; 83(10):2145-50 (Eng. Abstr.) **(Jpn)**

[Primary liver cancer: epidemiologic and pathogenetic aspects] Laskus T, et al. **Pol Tyg Lek** 1987 Apr 13; 42(15):452-4 (51 ref.) **(Pol)**

[The significance of the hepatitis B virus in the etiology and pathogenesis of primary liver carcinoma] Hadžić N, et al. **Lijec Vjesn** 1986 Nov-Dec;108(11-12):471-4 (Eng. Abstr.) **(Scr)**

[Primary cancer of the liver] Solís Herruzo JA. **Rev Clin Esp** 1986 Oct;179(5):225-8 **(Spa)**

FAMILIAL & GENETIC

Immunohistochemical detection of ras oncogene p21 product in liver cirrhosis and hepatocellular carcinoma. Nonomura A, et al. **Am J Gastroenterol** 1987 Jun;82(6):512-8

Trisomy 18 and hepatic neoplasia. Dasouki M, et al. **Am J Med Genet** 1987 May;27(1):203-5

The expression of oncogenes in human developing liver and hepatomas. Zhang XK, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):932-8

Type Ia glycogen storage disease with hepatoblastoma in siblings [published erratum appears in Cancer 1987 Aug 15;60(4):723] Ito E, et al. **Cancer** 1987 May 15; 59(10):1776-80

Constitutional interstitial deletion of 11p11 and pericentric inversion of chromosome 9 in a patient with Wiedemann-Beckwith syndrome and hepatoblastoma. Haas OA, et al. **Cancer Genet Cytogenet** 1986 Oct; 23(2):95-104

Karyotypic characterization of an established human hepatoma cell line HA22T/VGH. Wuu KD, et al. **Cancer Genet Cytogenet** 1987 Jun;26(2):279-86

Expression of retroviral sequences and oncogenes in rat liver tumors induced by diethylnitrosamine. Hsieh LL, et al. **Cancer Res** 1987 Jul 1;47(13):3421-4

Expression of albumin messenger RNA detected by in situ hybridization in preneoplastic and neoplastic lesions in rat liver. Schwarz M, et al. **Cancer Res** 1986 Nov; 46(11):5903-12

Negative control of liver-specific gene expression: cloned human retinol-binding protein gene is repressed in HeLa cells. Colantuoni V, et al. **EMBO J** 1987 Mar;6(3):631–6

Diffuse hepatocellular dysplasia and carcinoma associated with the Mmalton variant of alpha 1-antitrypsin. Reid CL, et al. **Gastroenterology** 1987 Jul;93(1):181–7

Cytophotometric measurements of nuclear DNA content in hepatocellular carcinomas. Kuo SH, et al. **Hepatology** 1987 Mar–Apr;7(2):330–2

Sequences which flank an 11p deletion observed in an hepatocellular carcinoma map to 11p13. Fisher JH, et al. **Hum Genet** 1987 Jan;75(1):66–9

Identification of transforming genes as hst in DNA samples from two human hepatocellular carcinomas. Nakagama H, et al. **Jpn J Cancer Res** 1987 Jul;78(7):651–4

Site-specific hypomethylation of the c-myc oncogene in human hepatocellular carcinoma. Nambu S, et al. **Jpn J Cancer Res** 1987 Jul;78(7):695–704

Hepatocellular carcinoma cell line and peripheral blood lymphocytes from the same patient contain common chromosomal alterations. Simon D, et al. **Lab Invest** 1986 Dec;55(6):657–65

Hepatitis B virus integration site in hepatocellular carcinoma at chromosome 17;18 translocation. Hino O, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8338–42

Identification of an activated c-Ki-ras oncogene in rat liver tumors induced by aflatoxin B1. McMahon G, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9418–22

Activated oncogenes in B6C3F1 mouse liver tumors: implications for risk assessment. Reynolds SH, et al. **Science** 1987 Sep 11;237(4820):1309–16

[Genetic epidemiology of liver cancer: estimation of the segregation ratio and heritability] Gong HM. **Chung Hua I Hsueh Tsa Chih** 1986 Feb;66(2):93–5 **(Chi)**

[A novel oncogene from a human hepatocellular carcinoma] Ochiya T, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2164–9 (Eng. Abstr.) **(Jpn)**

[Transforming activity of the DNA from human hepatoma cells. The transcription of integrated viral sequences and their cloning] Serebriakova IE, et al. **Vopr Virusol** 1987 Mar–Apr;32(2):216–9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Tissue polypeptide antigen—a marker antigen differentiating cholangiolar tumors from other hepatic tumors. Pastolero GC, et al. **Am J Clin Pathol** 1987 Feb;87(2):168–73

Carbohydrate antigen 19-9 as a serum marker of hepatocellular carcinoma: comparison with alpha-foetoprotein. Kew MC, et al. **Br J Cancer** 1987 Jul; 56(1):86–8

Expression of ABH and Lewis blood group antigens in combined hepatocellular-cholangiocarcinoma. Possible evidence for the hepatocellular origin of combined hepatocellular-cholangiocarcinoma. Okada Y, et al. **Cancer** 1987 Aug 1;60(3):345–52

Hepatitis BeAg in chronic asymptomatic hepatitis B surface antigen carriers and in primary hepatocellular carcinoma patients. Tswana SA. **Cent Afr J Med** 1986 May;32(5):113–6

Circulating immune complexes in the sera and ascites of hepatocellular carcinoma or chronic hepatitis patients. Chen YM, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1986 Feb;19(1):34–45

T-lymphocytes subpopulation before and after surgical removal of hepatocellular carcinoma. Lee CS, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1986 Feb;19(1):27–33

Liver-specific F antigen in the serum of patients with liver diseases and the detection of early stage hepatocellular carcinoma. Mori Y, et al. **Clin Chim Acta** 1987 Apr 30; 164(2):127–37

Decreased interleukin 1 activity in culture supernatant of lipopolysaccharide stimulated monocytes from patients with liver cirrhosis and hepatocellular carcinoma. Yokota M, et al. **Clin Exp Immunol** 1987 Feb;67(2):335–42

Human hepatocellular carcinoma: cross-reactive and idiotypic antigens associated with malignant transformation of epithelial cells. Wiedmann KH, et al. **Hepatology** 1987 May–Jun;7(3):543–50

Primary hepatocellular carcinoma and hepatitis B infection during childhood. Wu TC, et al. **Hepatology** 1987 Jan–Feb; 7(1):46–8

Immunological status of patients of primary hepatic carcinoma. Khandelwal C, et al. **Indian J Med Res** 1986 Jun;83:591–3

Primary liver cell carcinoma and hepatitis B antigen (a clinicopathological study). Verma RN, et al. **Indian J Pathol Microbiol** 1986 Oct;29(4):444–9

Anti-delta antibody in primary hepatocellular carcinoma patients in the Gizan area of Saudi Arabia. Ashraf SJ, et al. **Infection** 1986 Sep–Oct;14(5):250–1

Delta agent and the etiology of hepatocellular carcinoma. Trichopoulos D, et al. **Int J Cancer** 1987 Mar 15; 39(3):283–6

In vitro and in vivo tumour localisation with a monoclonal antibody directed against a membrane antigen on the human hepatocellular carcinoma cell line PLC/PRF/5. Dunk AA, et al. **J Hepatol** 1987 Feb;4(1):52–61

Clearance of hepatitis B surface antigen (HBsAg) after surgical resection of hepatocellular carcinoma. Wu TT, et al. **J Hepatol** 1987 Feb;4(1):45–51

Neoexpression of ABH and Lewis blood group antigens in human hepatocellular carcinomas. Okada Y, et al. **JNCI** 1987 Jan;78(1):19–28

Monoclonal antibodies with fine specificities distinguishing alpha-fetoproteins of hepatoma and yolk sac tumor origin. Kitagawa H, et al. **Jpn J Cancer Res** 1986 Oct; 77(10):1012–7

Natural killer (NK) cell activity and its in vitro response to interferon-alpha(Le) in chronic liver diseases and hepatocellular carcinoma. Hirai N, et al. **Liver** 1986 Aug; 6(4):212–20

Spontaneous and antibody-dependent cellular immune reactions to ethanol-altered hepatoma cells. Poralla T, et al. **Liver** 1987 Feb;7(1):50–7

The distribution of HLA-A, B, C, DR antigens in Chinese patients with hepatocellular carcinoma in Taiwan. Lin DY, et al. **Tissue Antigens** 1987 Feb;29(2):110–4

Seroconversion from HBs-Ag to anti-HBs in a case of liver cirrhosis associated with hepatocellular carcinoma. Unakami M, et al. **Tohoku J Exp Med** 1987 May; 152(1):81–6

Recognition of hepatitis B surface antigen by the human hepatoma cell line HepG2. Kaiser J, et al. **Trans Assoc Am Physicians** 1986;99:86–91

[Natural killer cell activity of the peripheral blood in patients with hepatocellular carcinoma] Lin ZY, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Nov;8(6):417–20 (Eng. Abstr.) **(Chi)**

[Action of monoclonal antibody against a hepatocellular carcinoma cell line (PLC/PRF/5)] Shao RP. **Chung Hua Chung Liu Tsa Chih** 1986 Jul;8(4):259–61 (Eng. Abstr.) **(Chi)**

[The relationship between primary liver cancer (PLC) and surface antigens of hepatitis B virus] Yu SZ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Mar;20(2):70–2 (Eng. Abstr.) **(Chi)**

[Enhancement of LAK activity with recombinant gamma-IFN in patients with hepatocellular carcinoma] Matsuura Y. **Nippon Shokakibyo Gakkai Zasshi** 1987 May; 84(5):1140 **(Jpn)**

[A study of gamma-interferon production induced by interleukin 2 in peripheral blood mononuclear cells of patients with hepatocellular carcinoma] Saibara T. **Nippon Shokakibyo Gakkai Zasshi** 1987 Apr;84(4):947 **(Jpn)**

[Changes in lymphokine-activated killer cell (LAK) activity in patients with hepatocellular carcinoma after transcatheter arterial embolization] Sakagami Y. **Nippon Shokakibyo Gakkai Zasshi** 1986 Dec;83(12):2638 **(Jpn)**

METABOLISM

Biosynthesis of sterols and dolichol in human hepatomas. Eggens I. **Acta Chem Scand [B]** 1987 Jan;41(1):67–9

Intra-arterial infusion of doxorubicin with degradable starch microspheres. Improvement of hepatic tumor drug uptake. Sigurdson ER, et al. **Arch Surg** 1986 Nov;121(11):1277–81

Oestradiol binding activity in rat liver tumours and in human hepatocellular carcinoma. Alagaratnam TT, et al. **Aust NZ J Surg** 1987 Jul;57(7):477–9

Drug metabolism by the human hepatoma cell, Hep G2. Sassa S, et al. **Biochem Biophys Res Commun** 1987 Feb 27; 143(1):52–7

Induction of haem synthesis in Hep G2 human hepatoma cells by dimethyl sulphoxide. A transcriptionally activated event. Galbraith RA, et al. **Biochem J** 1986 Jul 15; 237(2):597–600

Alterations in growth rate and cell cycle kinetics of rat liver tumor cells cultured in ethanol-containing medium. In vitro model of proliferative restriction in response to ethanol exposure. Higgins PJ, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3857–62

Detection of alpha-foetoprotein messenger RNA in human hepatocellular carcinoma and hepatoblastoma tissue. Di Bisceglie AM, et al. **Br J Cancer** 1986 Nov;54(5):779–85

Histochemical and ultrastructural study of copper-binding protein in hepatocellular carcinoma. Haratake J, et al. **Cancer** 1987 Sep 15;60(6):1269–74

Iron, ferritin, hepatitis B surface and core antigens in the livers of Chinese patients with hepatocellular carcinoma. Zhou XD, et al. **Cancer** 1987 Apr 15;59(8):1430–7

Use of the human liver cell line Hep G2 in a modified Salmonella reversion assay. Zhuo Z, et al. **Cancer Lett** 1986 Sep;32(3):327–34

Nitrogen metabolism and lipid peroxidation during hyperthermic perfusion of human livers with cancer. Skibba JL, et al. **Cancer Res** 1986 Nov;46(11):6000–3

Vitamin D-binding protein synthesized by a human hepatocellular carcinoma cell line. Egawa T, et al. **Clin Chim Acta** 1987 Aug 31;167(3):273–84

Uptake of technetium-99m DTPA in a hepatic hemangioma. Moreno AJ, et al. **Clin Nucl Med** 1987 May;12(5):408–9

Ectopic beta-human chorionic gonadotropin production by a human hepatoma cell line (FOCUS): isolation and immunochemical characterization. Ozturk M, et al. **Endocrinology** 1987 Feb;120(2):559–66

Purification of alpha 1-microglobulin produced by human hepatoma cell lines. Biochemical characterization and comparison with alpha 1-microglobulin synthesized by human hepatocytes. Vincent C, et al. **Eur J Biochem** 1987 Jun 15;165(3):699–704

Intrahepatic arterial administration of 4'epidoxorubicin (epirubicin) in advanced cancer patients. A pharmacokinetic study. Pannuti F, et al. **Eur J Cancer Clin Oncol** 1986 Nov;22(11):1309–14

cDNA cloning and expression in E. coli of a plasminogen activator inhibitor (PAI) related to a PAI produced by Hep G2 hepatoma cell. Wun TC, et al. **FEBS Lett** 1987 Jan 1;210(1):11–6

Hepatic conversion of 1-(tetrahydro-2-furanyl)-5-fluorouracil into 5-fluorouracil in patients with hepatocellular carcinoma. Kawata S, et al. **Gastroenterol Jpn** 1987 Feb;22(1):55–62

Estrogen receptors in hepatocellular carcinoma: is endocrine therapy for hepatocellular carcinoma likely to be effective? Kohigashi K, et al. **Gastroenterol Jpn** 1987 Jun;22(3):322–30

Immunohistochemical study of fibronectin, lysozyme, and alpha-fetoprotein (AFP) in human hepatocellular carcinoma. Okushin H, et al. **Gastroenterol Jpn** 1987 Feb; 22(1):44–54

Regulation by phorbol esters of asialoglycoprotein and transferrin receptor distribution and ligand affinity in a hepatoma cell line. Fallon RJ, et al. **J Biol Chem** 1986 Nov 15;261(32):15081–9

Biosynthesis of human C-reactive protein in cultured hepatoma cells is induced by a monocyte factor(s) other than interleukin-1. Goldman ND, et al. **J Biol Chem** 1987 Feb 15;262(5):2363–8

Human plasma cholesteryl ester transfer protein enhances the transfer of cholesteryl ester from high density lipoproteins into cultured HepG2 cells. Granot E, et al. **J Biol Chem** 1987 Mar 15;262(8):3482–7

Targeted inhibition of transferrin-mediated iron uptake in Hep G2 hepatoma cells. Wu GY, et al. **J Biol Chem** 1986 Dec 25;261(36):16834–7

A vesicular intermediate in the transport of hepatoma secretory proteins from the rough endoplasmic reticulum to the Golgi complex. Lodish HF, et al. **J Cell Biol** 1987 Feb;104(2):221–30

System A transport activity in normal rat hepatocytes and transformed liver cells: substrate protection from inactivation by sulfhydryl-modifying reagents. Chiles TC, et al. **J Cell Physiol** 1986 Dec;129(3):321–8

Preponderance of serum and intra-hepatic 5 alpha-dihydrotestosterone in males with hepatocellular carcinoma despite low circulating androgen levels. Iqbal MJ, et al. **J Hepatol** 1986;3(3):304–9

Production of abnormal prothrombin (des-gamma-carboxy prothrombin) by hepatocellular carcinoma. A clinical and experimental study. Okuda H, et al. **J Hepatol** 1987 Jun; 4(3):357–63

Very low and low density lipoprotein synthesis and secretion by the human hepatoma cell line Hep-G2: effects of free fatty acid. Ellsworth JL, et al. **J Lipid Res** 1986 Aug; 27(8):858–74

Parameters of cholesterol metabolism in the human hepatoma cell line, Hep-G2. Erickson SK, et al. **J Lipid Res** 1986 Aug;27(8):875–83

Isolation of the tissue factor inhibitor produced by HepG2 hepatoma cells. Broze GJ Jr, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1886–90

Multiple forms of basic fibroblast growth factor: amino-terminal cleavages by tumor cell- and brain cell-derived acid proteinases. Klagsbrun M, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1839–43

Studies on regional hepatic blood flow and substrate metabolism in patients with hepatocellular carcinoma. Liaw KY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Dec; 85(12):1151–61

Endogenous forms of fibrinogen in Hep G2 cells. Yu S, et al. **Thromb Res** 1987 Apr 15;46(2):281–93

Reduction of liver glutathione peroxidase activity and deficiency of serum selenium in patients with hepatocellular carcinoma. Corrocher R, et al. **Tumori** 1986 Dec 31; 72(6):617–9

[FT, 5-FU and uracil concentrations of the blood, bile and tissue of hepatoma with liver cirrhosis after oral administration of UFT] Oguma S, et al. **Gan To Kagaku Ryoho** 1987 Apr;14(4):1122–8 (Eng. Abstr.) **(Jpn)**

[Studies on production of human epidermal growth factor and its receptor in human hepatoma cell line (PLC/PRF/5)] Hase K. **Nippon Shokakibyo Gakkai Zasshi** 1987 Jan;84(1):128 **(Jpn)**

[Tumor markers in hepatic cancer] Stanciu L. **Rev Med Interna [Med Interna]** 1987 Jan–Mar;39(1):81–9 **(Rum)**

MICROBIOLOGY

Quantitation of hepatitis B virus DNA in serum of patients with hepatoma. Lie-Injo LE, et al. **Cytobios** 1987; 50(201):101–6

Integrated state of subgenomic fragments of hepatitis B virus DNA in hepatocellular carcinoma from mainland China. Zhou YZ, et al. **JNCI** 1987 Aug;79(2):223–31

Varying nuclear staining intensity of hepatitis B virus DNA in human hepatocellular carcinoma. Brambilla C, et al. **Lab Invest** 1986 Oct;55(4):475–81

Genomic localization of hepatitis B virus in a human hepatoma cell line. Zerial M, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8373–86

Expression of the hepatitis B virus genome in chronic hepatitis B carriers and patients with hepatocellular carcinoma. Bowyer SM, et al. **Proc Natl Acad Sci USA**

1987 Feb;84(3):847–50
Production of hepatitis B virus particles in Hep G2 cells transfected with cloned hepatitis B virus DNA. Sells MA, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):1005–9
Analysis of six distinct integrated hepatitis B virus sequences cloned from the cellular DNA of a human hepatocellular carcinoma. Choo KB, et al. **Virology** 1986 Oct 30; 154(2):405–8
[Presence of DNA sequences of hepatitis B virus in a fibrolamellar carcinoma of the liver] Hadengue A, et al. **Gastroenterol Clin Biol** 1986 Oct;10(10):677–80 (Eng. Abstr.) **(Fre)**
[Hepatitis B virus infection and hepatocellular cancer] Baumgarten R. **Z Arztl Fortbild (Jena)** 1987;81(2):63–4 **(Ger)**

MORTALITY

Primary liver cancer mortality and incidence in Texas Mexican Americans, 1969–80. Suarez L, et al. **Am J Public Health** 1987 May;77(5):631–3
Mortality of hepatoma and cirrhosis of liver in Taiwan. Lin TM, et al. **Br J Cancer** 1986 Dec;54(6):969–76
Current perspectives on hepatocellular carcinoma in Oriental and African countries compared to developed western countries. Omata M. **Dig Dis** 1987;5(2):97–115
Trends in mortality from primary liver cancer, cirrhosis of the liver, virus hepatitis, and other liver diseases 1968–1984 in Japan. Huang ZM, et al. **Nagoya J Med Sci** 1987 Mar; 49(1–4):41–52
Survival of blacks with liver cancer in Soweto, Johannesburg, South Africa. Walker AR, et al. **Trop Gastroenterol** 1986 Oct–Dec;7(4):169–72

OCCURRENCE

Epidemiology and early diagnosis of primary liver cancer in China. Yen FS, et al. **Adv Cancer Res** 1986;47:297–329 (62 ref.)
Hepatocellular carcinoma in urban born blacks: frequency and relation to hepatitis B virus infection. Kew MC, et al. **Br Med J [Clin Res]** 1986 Nov 22;293(6558):1339–41
Primary liver cancer in Japan. Sixth report. The Liver Cancer Study Group of Japan. **Cancer** 1987 Sep 15;60(6):1400–11
Hepatocellular carcinoma in Chinese males and females. Possible causes for the male predominance. Lai CL, et al. **Cancer** 1987 Sep 1;60(5):1107–10
Changing incidence of hepatocellular carcinoma in Japan. Okuda K, et al. **Cancer Res** 1987 Sep 15;47(18):4967–72
Liver tumours of infancy and childhood in south Orissa. Pati S, et al. **Indian J Pathol Microbiol** 1986 Apr;29(2):129–32
Aflatoxin exposure, hepatitis B virus infection and liver cancer in Swaziland. Peers F, et al. **Int J Cancer** 1987 May 15;39(5):545–53
Primary liver cancer in a referral hospital in Hawaii. Geer DA, et al. **J Surg Oncol** 1987 Aug;35(4):235–40
Urinary excretion of aflatoxin and liver cancer in Karachi. Nizami F, et al. **JPMA** 1986 May;36(5):112–4
Hepatocellular carcinoma in immigrants to the United Kingdom. Zaman SN, et al. **Q J Med** 1986 Aug; 60(232):813–7
The incidence of hepatic hamartomas in tuberous sclerosis. Evaluation by ultrasonography. Fleury P, et al. **ROFO** 1987 Jun;146(6):694–6
Oesophageal and other main cancer patterns in four districts of Transkei, 1981–1984. Jaskiewicz K, et al. **S Afr Med J** 1987 Jul 4;72(1):27–30
[Clinico-epidemiologic characteristics of 200 cases of primary liver cancer in Burgas Province] Künchev KN. **Vutr Boles** 1986;25(5):81–3 **(Bul)**
[Regional distribution of liver cancer and its relation to selenium levels in Qidong County, China] Li WG, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Jul;8(4):262–4 (Eng. Abstr.) **(Chi)**
[An epidemiological study on features of the distribution of cancer of some common sites] Chen JG. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Aug; 7(4):193–9 (Eng. Abstr.) **(Chi)**
[A retrospective-cohort study of drinking water and cancer] Yeh BF. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Aug;7(4):219–21 (Eng. Abstr.) **(Chi)**
[Mass survey of hepatocellular cancer] Fukuda M. **Hokkaido Igaku Zasshi** 1986 Jul;61(4):505–9 **(Jpn)**
[Incidence of hepatocarcinoma in our milieu in the last 10 years. Comparison with a previous study] Vilaseca J, et al. **Med Clin (Barc)** 1986 Nov 8;87(15):611–3 (Eng. Abstr.) **(Spa)**
[Primary carcinoma of the liver (letter)] Silva H, et al. **Rev Med Chil** 1987 Jan;115(1):85 **(Spa)**

PATHOLOGY

Comparison of cytologic examination of smears and histologic examination of tissue cores obtained by fine needle aspiration biopsy of the liver. Cochand-Priollet B, et al. **Acta Cytol** 1987 Jul–Aug;31(4):476–80
Pathologic features of small hepatocellular carcinoma. Kondo Y, et al. **Acta Pathol Jpn** 1986 Aug;36(8):1149–61
Fibronectin in human hepatocellular carcinoma (HCC) and HCC cell lines. Tsumagari J. **Acta Pathol Jpn** 1987 Mar; 37(3):413–23
Serum-free growth of human hepatoma cells. A review. Bagnarelli P, et al. **Adv Biochem Eng Biotechnol** 1987; 34:85–94 (80 ref.)
Role of tryptophan in carcinogenesis. Sidransky H. **Adv Exp Med Biol** 1986;206:187–207
Is fine-needle biopsy of liver hemangioma hazardous? [letter] Taavitsainen M, et al. **AJR** 1987 Jan;148(1):231–2
Painful ophthalmoplegia caused by metastasis of cholangiocarcinoma of the liver. Nakashima A, et al. **Ala J Med Sci** 1987 Jan;24(1):29–30
Primary lymphomas of the liver. Report of six cases and review of the literature. DeMent SH, et al. **Am J Clin Pathol** 1987 Sep;88(3):255–63
Hepatocarcinoma in a child with the Alagille syndrome. Kaufman SS, et al. **Am J Dis Child** 1987 Jun;141(6):698–700
Necrosis of hepatocellular carcinoma as a result of subintimal injury incurred by hepatic angiography: report of two cases. Takayasu K, et al. **Am J Gastroenterol** 1986 Oct; 81(10):979–83
Keratin polypeptides in malignant epithelial liver tumors. Differential diagnostic and histogenetic aspects. Fischer HP, et al. **Am J Pathol** 1987 Jun;127(3):530–7
Hepatocarcinomas, cholangiocarcinomas, and hepatoblastomas produced by chemically transformed cultured rat liver epithelial cells. A light- and electron-microscopic analysis. Tsao MS, et al. **Am J Pathol** 1987 Apr;127(1):168–81
Kupffer cells in hepatocellular adenomas. Goodman ZD, et al. **Am J Surg Pathol** 1987 Mar;11(3):191–6
Sinus histiocytosis massive lymphadenopathy syndrome: histogenesis of the hepatic lesion. Brown RE, et al. **Ann Clin Lab Sci** 1987 May–Jun;17(3):162–70
Hepatocellular carcinoma, adenoma, and focal nodular hyperplasia. Comparative histopathologic study with immunohistochemical parameters. Koelma IA, et al. **Arch Pathol Lab Med** 1986 Nov;110(11):1035–40
Liver cell dysplasia and hepatocellular carcinoma in non-A, non-B hepatitis. Lefkowitch JH, et al. **Arch Pathol Lab Med** 1987 Feb;111(2):170–3
Hepatocellular carcinoma presenting extrahepatic obstructive jaundice due to bile duct invasion—clinicopathological study of two cases. Oshima S, et al. **Bull Tokyo Med Dent Univ** 1986 Jun;33(2):91–7
Hepatocellular carcinoma with sarcomatous change. Clinicopathologic and immunohistochemical studies of 14 autopsy cases. Kakizoe S, et al. **Cancer** 1987 Jan 15; 59(2):310–6
Pseudoglandular hepatocellular carcinoma. A morphogenetic study. Kondo Y, et al. **Cancer** 1987 Sep 1;60(5):1032–7
Rapid diagnosis of liver cancer by ultrasound-guided fine-needle aspiration biopsy. Huber K, et al. **Cancer Detect Prev** 1987;10(5–6):383–7
Recent studies on the developing human hepatocellular carcinoma. Gerber MA. **Cancer Surv** 1986;5(4):741–63 (162 ref.)
A cytological comparison between regeneration, hyperplasia and early neoplasia in the rat liver. Styles JA, et al. **Carcinogenesis** 1987 Mar;8(3):391–9
Primary lymphoma of the liver. Rubin JS, et al. **Conn Med** 1987 Mar;51(3):145–6
Cytology of hepatocellular carcinoma. Gupta SK, et al. **Diagn Cytopathol** 1986 Dec;2(4):290–4
Hepatocellular carcinoma presenting with bleeding due to duodenal perforation by the tumor. Humbert P, et al. **Endoscopy** 1987 Jan;19(1):37–8
Ultrasound in cholangiofibromas of the liver detected by laparoscopy. Vogel HM, et al. **Endoscopy** 1986 Sep; 18(5):185–7
A case of laparoscopically detected cholangiocarcinoma of a few millimeters in size, with portal fibrosis. Watanbe M, et al. **Endoscopy** 1987 Jan;19(1):39–42
Human embryonic liver cell differentiation. I. Changes in specific mRNA synthesis correlates with parameters signaling oncologic alterations. Hakim AA, et al. **Exp Cell Biol** 1986;54(5–6):319–32
Differential response of the human hepatoma-derived cell line HA22T/VGH to polypeptide mitogens. Clementi M, et al. **FEBS Lett** 1987 Aug 31;221(1):11–7
Hepatic sinusoid dilatation and intra-sinusoidal tumor infiltration: a common immunological mechanism [letter] Delpré G, et al. **Gastroenterol Clin Biol** 1986 Oct; 10(10):690–1 **(Eng, Fre)**
Hepatic neurofibromatosis, malignant schwannoma, and angiosarcoma in von Recklinghausen's disease. Lederman SM, et al. **Gastroenterology** 1987 Jan;92(1):234–9
Value of sonographically guided fine needle aspiration biopsy in evaluating the liver with sonographic abnormalities. Sautereau D, et al. **Gastroenterology** 1987 Oct;93(4):715–8
Hepatic lipomas: ultrasound and computed tomographic findings. Bruneton JN, et al. **Gastrointest Radiol** 1987; 12(4):299–303
Hepatic sarcomas in adults: a review of 25 cases. Forbes A, et al. **Gut** 1987 Jun;28(6):668–74
Small hepatocellular carcinoma: an Italian experience. Gandolfi L, et al. **Hepatogastroenterology** 1987 Jun; 34(3):100–2
Morphological precursors of hepatocellular carcinoma: a morphometrical analysis. Giannini A, et al. **Hepatogastroesterology** 1987 Jun;34(3):95–7
Preneoplastic lesions of human liver. Karhunen PJ, et al. **Hepatogastroenterology** 1987 Feb;34(1):10–5
Establishment and characterization of a human combined hepatocholangiocarcinoma cell line and its heterologous transplantation in nude mice. Murakami T, et al. **Hepatology** 1987 May–Jun;7(3):551–6
Relation of the hepatitis B virus carrier state to hepatocellular carcinoma. Popper H, et al. **Hepatology** 1987 Jul–Aug; 7(4):764–72 (100 ref.)
Pedunculated hepatocellular carcinoma. Is it an entity? Anthony PP, et al. **Histopathology** 1987 Apr;11(4):403–14
Primary malignant fibrous histiocytoma of the liver—a case report with immunocytochemical observations. Arends JW, et al. **Histopathology** 1987 Apr;11(4):427–31
Oncocytic liver cell adenoma. Salisbury JR, et al. **Histopathology** 1987 May;11(5):533–9
"Alcoholic hepatitis" in a hepatic adenoma.Heffelfinger S, et al. **Hum Pathol** 1987 Jul;18(7):751–4
Pseudosarcomatous cystadenocarcinoma of the liver. Unger PD, et al. **Hum Pathol** 1987 May;18(5):521–3
A new human hepatocellular carcinoma cell line (KYN-1) with a transformation to adenocarcinoma. Yano H, et al. **In Vitro Cell Dev Biol** 1986 Nov;22(11):637–46
Fine needle aspiration cytology in diagnosis of hepatic malignancy. Verma K, et al. **Indian J Cancer** 1986 Jun; 23(2):112–6
A study of diagnostic accuracy of fine needle aspiration cytology in diagnosis of hepatic malignancies. Khodaskar MB, et al. **Indian J Pathol Microbiol** 1986 Oct;29(4):338–43
Eighteen-year follow-up of liver hemangioma [letter] Coleman M. **J Clin Gastroenterol** 1987 Jun;9(3):365–6
Hepatoblastoma presenting as isosexual precocity. The clinical importance of histologic and serologic parameters. Heimann A, et al. **J Clin Gastroenterol** 1987 Feb; 9(1):105–10
Hepatocellular adenoma and nodular regenerative hyperplasia of the liver in a young man. Nguyen TD, et al. **J Clin Gastroenterol** 1986 Aug;8(4):478–82
Focal nodular hyperplasia and hepatic adenoma: a review of eight cases in the pediatric age group. Lack EE, et al. **J Surg Oncol** 1986 Oct;33(2):129–35
Primary liver cancer: pattern of metastasis. Lee YT, et al. **J Surg Oncol** 1987 Sep;36(1):26–31
Acute hemorrhagic pericardial effusion complicating angiosarcoma of the liver. Levy I, et al. **J Surg Oncol** 1987 Jan;34(1):13–5
Hepatocellular carcinoma causing obstructive jaundice. Sarma DP, et al. **J Surg Oncol** 1987 Mar;34(3):192–3
Hepatocellular carcinoma and lupoid hepatitis (an autopsy study). Xu YH, et al. **J Tongji Med Univ** 1986;6(4):215–20
Safety of and necessity for needle biopsy of liver tumours [letter] Evans GH, et al. **Lancet** 1987 Mar 14;1(8533):620
Safety of liver biopsy [letter] Mutch F. **Lancet** 1987 Apr 25;1(8539):984–5
Ultrasound-guided fine-needle aspiration biopsy in the diagnosis of hepatic hemangioma. Caturelli E, et al. **Liver** 1986 Dec;6(6):326–30
Relationship of histologic grade of hepatocellular carcinoma (HCC) to tumor size, and demonstration of tumor cells of multiple different grades in single small HCC. Kenmochi K, et al. **Liver** 1987 Feb;7(1):18–26
Primary hepatocellular carcinoma [clinical conference] Ebie N, et al. **Med Pediatr Oncol** 1986;14(5):281–7
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 35–1987. A 21-year-old woman with a hepatic mass after treatment for amenorrhea. **N Engl J Med** 1987 Aug 27;317(9):556–64
Parenchymal calcification in hepatocellular carcinoma. Chin NW, et al. **NY State J Med** 1986 Nov;86(11):596–8
What is new in epithelioid hemangioendothelioma of the liver? Ruebner BH, et al. **Pathol Res Pract** 1987 Feb; 182(1):110–2
Epithelioid hemangioendothelioma of the liver. Report of two cases histologically mimicking veno-occlusive disease. Eckstein RP, et al. **Pathology** 1986 Oct;18(4):459–62
Leiomyosarcoma of ligamentum teres of liver: case report. Tomaszewski MM, et al. **Pediatr Pathol** 1986;5(2):147–56
Aspects of the hepatic rheogram within the medical practice. Gusti S. **Physiologie** 1987 Jan–Mar;24(1):41–6
Mesenchymal hamartoma of the liver—report of an unusual case. Salisbury JR, et al. **Postgrad Med J** 1986 Aug; 62(730):757–60
Ovarian function during aflatoxin B1-induced hepatocarcinogenesis in the rat. Castelli D, et al. **Res Commun Chem Pathol Pharmacol** 1986 Aug; 53(2):183–94
Aspiration and brush cytology of the liver. Hajdu SI, et al. **Semin Diagn Pathol** 1986 Aug;3(3):227–38
Pathologic characteristics of hepatocellular carcinoma. Nakashima T, et al. **Semin Liver Dis** 1986 Aug;6(3):259–66 (33 ref.)
Capsular formation surrounding hepatocellular carcinoma. Iwamura K. **Tokai J Exp Clin Med** 1986 Aug;11(3):185–99
Spontaneous massive necrosis of a hepatocellular carcinoma. Andreola S, et al. **Tumori** 1987 Apr 30;73(2):203–7
A light microscopic and ultrastructural study of two cases of fibrolamellar hepatocellular carcinoma. Andreola S, et al. **Tumori** 1986 Dec 31;72(6):609–16
Hepatoblastoma with squamous differentiation in a B6C3F1 mouse. Nonoyama T, et al. **Vet Pathol** 1986 Sep; 23(5):619–22
Morphological clues for the diagnosis of small hepatocellular carcinomas. Kondo F, et al. **Virchows Arch [A]** 1987; 411(1):15–21
Atypical diffuse angiosarcoma of the liver. Kanel GC, et al. **West J Med** 1987 Apr;146(4):482–5
[Ultrasound-guided percutaneous fine-needle puncture cytology in the diagnosis of malignant tumors of the liver]

Chen MH, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Nov;8(6):447–9 (Eng. Abstr.) **(Chi)**

[Pathologic analysis of primary liver cancer: 35 patients surviving for more than 5 years postoperatively] Wang NJ, et al. **Chung Hua Wai Ko Tsa Chih** 1986 May;24(5):276–8, 316 (Eng. Abstr.) **(Chi)**

[A study of antineoplastic activity of DHAQ on human adenocarcinoma cells of lung hepatoma and gastric cancer cells in vitro] Bai SH, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Dec;17(4):284–6 (Eng. Abstr.) **(Chi)**

[Clinicopathologic manifestations in 2 cases of primary leiomyosarcoma of the liver] Peng QF, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Mar;18(1):90–2 (Eng. Abstr.) **(Chi)**

[Peritumor liver. Anatomo-clinical study, review of the literature and differential diagnosis apropos of 24 cases] Zafisaona G, et al. **Arch Anat Cytol Pathol** 1987;35(1):9–16 (Eng. Abstr.) **(Fre)**

[Fatal neoplastic embolism during liver transplantation] Vigouroux D, et al. **Cah Anesthesiol** 1986 Aug–Sep; 34(5):423–4 **(Fre)**

[Hepatocellular carcinoma invading the right atrium: clinical, echographic and angiographic study] Thiefin G, et al. **Gastroenterol Clin Biol** 1987 Feb;11(2):169–72 (Eng. Abstr.) **(Fre)**

[Sonographic diagnosis of liver tumors. Results of comparative studies of ultrasound, computerized tomography, laparoscopy, biopsy and scintigraphy in 413 patients] Becker–Gaab C, et al. **Digitale Bilddiagn** 1987 Mar;7(1):35–42 (Eng. Abstr.) **(Ger)**

[Liver cirrhosis as a risk factor in hepatocellular cancer] Wiedmann KH. **Internist (Berlin)** 1987 Jul;28(7):468–76 (79 ref.) **(Ger)**

[Clinicopathologic conference. Cholestasis syndrome in epithelioid cell granuloma of the liver: diagnostic and therapeutic difficulties] Breuer N, et al. **Med Klin** 1987 Jan 30;82(2):67–71 **(Ger)**

[Angiosarcoma of the liver and renal cell carcinoma with panmyelopathy following Thorotrast administration 40 and 41 years ago. Case reports with immunohistochemical studies] Schmid C, et al. **Pathologe** 1987 May;8(3):177–82 **(Ger)**

[Fibrolamellar hepatoma] Huber M, et al. **Schweiz Med Wochenschr** 1986 Aug 23;116(34):1154–8 (Eng. Abstr.) **(Ger)**

[76-year-old patient with adenocarcinoma of the rectum and fibrolamellar hepatocellular 2d carcinoma. Case report with literature review of hepatocellular carcinoma of the fibrolamellar type] Klimpfinger M, et al. **Wien Klin Wochenschr** 1987 Jul 17;99(14):505–9 (32 ref.) (Eng. Abstr.) **(Ger)**

[Concurrent appearance of stomach polyposis and hepatocellular carcinoma] Mölleken K. **Zentralbl Allg Pathol** 1987;133(2):155–61 (Eng. Abstr.) **(Ger)**

[Epithelioid hemangioendothelioma of the liver] Kádas I, et al. **Morphol Igazsagugyi Orv Sz** 1987 Jan;27(1):40–6 (Eng. Abstr.) **(Hun)**

[Primary malignant histiocytoma of the liver] Lengyel G, et al. **Orv Hetil** 1986 Oct 12;127(41):2509–11 (Eng. Abstr.) **(Hun)**

[Current status of the classification and clinical staging of primary and secondary tumors of the liver] Bertoglio S, et al. **Minerva Med** 1987 Feb 15;78(3):145–50 (Eng. Abstr.) **(Ita)**

[Two adult cases of malignant hepatic mixed tumor] Atari E, et al. **Gan No Rinsho** 1986 Sep;32(11):1495–502 (Eng. Abstr.) **(Jpn)**

[An autopsy case of AFP-producing gastric carcinoma resembling hepatocellular carcinoma on light microscopy] Ebihara T, et al. **Gan No Rinsho** 1987 Apr;33(4):399–405 (Eng. Abstr.) **(Jpn)**

[An autopsy case of primary hepatic malignant lymphoma and a review of 10 reported cases] Fukumura Y, et al. **Gan No Rinsho** 1987 Jan;33(1):76–81 (Eng. Abstr.) **(Jpn)**

[A case of hepatocellular carcinoma associated with multiple pulmonary tumor thrombi and rupture of its right adrenal metastasis] Fukuoka K, et al. **Gan No Rinsho** 1987 Feb; 33(2):199–204 (Eng. Abstr.) **(Jpn)**

[An autopsy case with a combination of hepatocellular carcinoma and cholangiocellular carcinoma] Sugihara S, et al. **Gan No Rinsho** 1987 Feb;33(2):205–10 (Eng. Abstr.) **(Jpn)**

[Splenic metastasis of hepatocellular carcinoma] Yamamoto R, et al. **Gan No Rinsho** 1986 Sep;32(11):1486–90 (Eng. Abstr.) **(Jpn)**

[A case of necrosis of a hepatocellular carcinoma, caused by spasm of the celiac artery] Iwasaki S, et al. **Nippon Geka Gakkai Zasshi** 1987 Mar;88(3):354–8 (Eng. Abstr.) **(Jpn)**

[Study of CEA doubling time in liver metastasis from colonic cancer and postoperative survival time] Takahashi Y, et al. **Nippon Geka Gakkai Zasshi** 1986 Nov;87(11):1422–5 (Eng. Abstr.) **(Jpn)**

[Fibrolamellar carcinoma of the liver: a case report] Yoshida K, et al. **Nippon Geka Gakkai Zasshi** 1986 Nov; 87(11):1485–90 (Eng. Abstr.) **(Jpn)**

[Extrahepatic hepatocellular cancer] Sudo T, et al. **Nippon Geka Hokan** 1986 Sep 1;55(5):732–40 (Eng. Abstr.) **(Jpn)**

[A case of plasma cell granuloma of the stomach combined with hepatocellular carcinoma] Hiromoto M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov;83(11):2440–4 **(Jpn)**

[A case of hepatocellular carcinoma which developed from type B hepatitis and presented marked hypoglycemia] Katoh T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Apr;84(4):920–4 **(Jpn)**

[A case of hepatocellular carcinoma with adrenal metastasis] Kimura S, et al. **Rinsho Hoshasen** 1987 Mar;32(3):447–50 (Eng. Abstr.) **(Jpn)**

[A case of spontaneous gas formation in hepatocellular carcinoma (HCC)] Sakai T, et al. **Rinsho Hoshasen** 1987 Jan;32(1):135–7 (Eng. Abstr.) **(Jpn)**

[Cases of tumors of the liver] Antoniuk SM, et al. **Klin Khir** 1987;(5):46–7 **(Rus)**

[Primary liver cancer accompanied by the circulation of the hepatitis B surface antigen in the blood serum of a 13-year-old child] Kupershtein AP, et al. **Pediatriia** 1987; (3):87–8 **(Rus)**

[Fibrolamellar hepatocarcinoma with a long clinical course and possible production of fibrinogen] Ordi Majá J, et al. **Rev Clin Esp** 1986 Oct;179(5):252–5 (Eng. Abstr.) **(Spa)**

[Giant hepatic hemangioma: report of a case and review of the literature] Barajas Martínez JM, et al. **Rev Esp Enferm Apar Dig** 1986 Dec;70(6):547–51 (Eng. Abstr.) **(Spa)**

[Mixed hepatoblastoma in an adult] Díaz-Faes M, et al. **Rev Esp Enferm Apar Dig** 1987 Feb;71(2):157–60 (Eng. Abstr.) **(Spa)**

[Bone metastases as the initial manifestation of hepatocarcinoma] Fueyo Margareto J, et al. **Rev Esp Enferm Apar Dig** 1986 Dec;70(6):570–1 **(Spa)**

[Puncture aspiration with fine needle under echographic control. Initial study] López-Cano A, et al. **Rev Esp Enferm Apar Dig** 1987 Feb;71(2):117–20 (Eng. Abstr.) **(Spa)**

[The incidence of generalized metastases in hepatoma: apropos of a case] Martín Peinador A, et al. **Rev Esp Enferm Apar Dig** 1987 Mar;71(3):257–9 (Eng. Abstr.) **(Spa)**

[Primary carcinoma of the liver: study of 85 cases of necropsy] Smok G. **Rev Med Chil** 1986 Jul;114(7):653–8 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Severe impairment of antioxidant system in human hepatoma. Corrocher R, et al. **Cancer** 1986 Oct 15;58(8):1658–62

Changes in nucleolar transcriptional activity and nuclear DNA content during the first steps of rat hepatocarcinogenesis. Deleener A, et al. **Carcinogenesis** 1987 Feb;8(2):195–201

Portal venous hemodynamics in hepatocellular carcinoma. Effects of hepatic artery embolization. Ohnishi K, et al. **Gastroenterology** 1987 Sep;93(3):591–6

Growth and hepatospecific gene expression of human hepatoma cells in a defined medium. Darlington GJ, et al. **In Vitro Cell Dev Biol** 1987 May;23(5):349–54

Hepatic masses. Elias EG. **Md Med J** 1987 May;36(5):407–8

Purification from a human hepatoma cell line of a basic fibroblast growth factor-like molecule that stimulates capillary endothelial cell plasminogen activator production, DNA synthesis, and migration. Presta M, et al. **Mol Cell Biol** 1986 Nov;6(11):4060–6

Portal hemodynamics in patients with hepatocellular carcinoma. Moriyasu F, et al. **Radiology** 1986 Dec; 161(3):707–11

PREVENTION & CONTROL

Modulation of calcium by the carcinogenic process in the liver induced by a choline-deficient diet. Ghoshal AK, et al. **Can J Physiol Pharmacol** 1987 Mar;65(3):478–82

Prevention of primary liver cancer by vaccination. Harrison TJ, et al. **Cancer Surv** 1986;5(4):799–819 (105 ref.)

[Experimental study on selenic blockage of primary hepatocarcinoma induced by aflatoxin B1 in rats] Li WG, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1987 Jan; 21(1):11–2 (Eng. Abstr.) **(Chi)**

[Chemoprophylaxis of liver metastasis of colonic and rectal cancers (letter)] Mouroux J, et al. **Presse Med** 1986 Sep 13;15(29):1376 **(Fre)**

[Prevention of hepatic metastasis in patients operated on for colorectal carcinoma] Padula G, et al. **Minerva Chir** 1987 Jun 30;42(12):1027–9 (Eng. Abstr.) **(Ita)**

[Prevention of hepatic metastases in rabbits by administration of an oily anticancer agent into the portal vein] Yamasaki K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1224–8 (Eng. Abstr.) **(Jpn)**

[Measurement of radioimmunoassay of alpha-fetoprotein in dried blood samples on paper for mass screening of hepatocellular carcinoma] Fang M, et al. **Kaku Igaku** 1986 Aug;23(8):1079–82 **(Jpn)**

PSYCHOLOGY

Reported vague symptoms and at-risk status: the case of polyvinyl chloride workers in Louisville. Sands RG, et al. **Public Health Rep** 1987 Jul–Aug;102(4):438–44

RADIOGRAPHY

Site and number of liver tumors recorded at angiography and computed tomography compared with the findings at laparotomy and of resected liver specimens. Lundstedt C, et al. **Acta Radiol** 1987 Mar–Apr;28(2):153–60

CT of giant cavernous hemangioma. Scatarige JC, et al. **AJR** 1987 Jul;149(1):83–5

Stereoscopic digital subtraction angiography of hepatic artery and vein. Yamauchi T, et al. **AJR** 1987 Apr; 148(4):825–6

Pseudo-tumours of the liver on computed tomographic (CT) scanning caused by adjacent ascitic or pleural fluid. Allison MC, et al. **Australas Radiol** 1987 May;31(2):183–5

Prominent collateral vein in portal hypertension mimicking liver tumours: a pitfall in computed tomography. Yamauchi T, et al. **Br J Radiol** 1987 Jun;60(714):531–3

Angiomyolipoma of the liver. Blumgart RL, et al. **Clin Radiol** 1987 May;38(3):329–30

The computed tomographic appearances of benign hepatic hamartoma. Jennings CM, et al. **Clin Radiol** 1987 Jan; 38(1):103–4

Liver tumors. Vose WF. **Del Med J** 1986 Oct;58(10):689–92

Computed tomographic arteriography (CTA) of the liver. Evaluation of technique, results and indications. Göthlin J, et al. **Eur J Radiol** 1986 Aug;6(3):191–4

CT diagnosis of hepatic adenoma. Lüning M, et al. **Eur J Radiol** 1987 Feb;7(1):30–6

Functional imaging of hepatic masses using computed tomography. Fujikawa K, et al. **Hiroshima J Med Sci** 1987 Mar;36(1):113–20

Computed tomography of hepatic cavernous hemangioma. Ashida C, et al. **J Comput Assist Tomogr** 1987 May–Jun; 11(3):455–60

Computed tomography of masses in periportal/hepatoduodenal ligament. Baker ME, et al. **J Comput Assist Tomogr** 1987 Mar–Apr;11(2):258–63

Computed tomography in retroconversion of hepatic metastases from immature ovarian teratoma. Lentini JF, et al. **J Comput Assist Tomogr** 1986 Nov–Dec;10(6):1060–2

CT demonstration of calcified liver metastases in medullary thyroid carcinoma. McDonnell CH 3d, et al. **J Comput Assist Tomogr** 1986 Nov–Dec;10(6):976–8

Computed tomography of residual hepatomas following transcatheter arterial embolization. Murayama S, et al. **J Comput Assist Tomogr** 1986 Nov–Dec;10(6):969–72

Computed tomography of thorotrastosis. Findley A, et al. **J Comput Tomogr** 1987 Apr;11(2):188–9

Computed tomography of cavernous hemangiomas of the liver: how sure are we? Penkrot RJ, et al. **J Comput Tomogr** 1986 Oct;10(4):309–12

Primary carcinoid tumor of the liver: a case report. Yamashita Y, et al. **J Comput Tomogr** 1986 Oct;10(4):313–7

Hypervascular hepatic metastases: CT evaluation. Bressler EL, et al. **Radiology** 1987 Jan;162(1 Pt 1):49–51

Hepatoblastoma: radiologic-pathologic correlation in 50 cases. Dachman AH, et al. **Radiology** 1987 Jul;164(1):15–9

Peripheral low-density area of hepatic tumors: CT-pathologic correlation [letter] Itai Y. **Radiology** 1987 Mar;162(3):876

Iodine-131-labeled lipiodol retention within hepatic cavernous hemangioma [letter] Park CH, et al. **Radiology** 1987 Apr;163(1):283–4

Liver metastasis detection: comparative sensitivities of MR imaging and CT scanning. Reinig JW, et al. **Radiology** 1987 Jan;162(1 Pt 1):43–7

Undifferentiated (embryonal) sarcoma of the liver: radiologic-pathologic correlation. Ros PR, et al. **Radiology** 1986 Oct;161(1):141–5

Intra-arterial digital angiography of the liver: comparison with conventional angiography. Gattoni F, et al. **Rays** 1986 Jan–Apr;11(1):91–6

Case profile: pseudotumor of right kidney due to hepatic hemangioma. Schachter P, et al. **Urology** 1987 Jan;29(1):85

[Diagnostic imaging in the evaluation of hepatic cavernous hemangioma] Jia YC. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Dec;20(6):321–5 (Eng. Abstr.) **(Chi)**

[The angiographic appearance of hepatocellular carcinoma: differences between small and large tumors] Chen CM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 May;86(5):512–23 (Eng. Abstr.) **(Chi)**

[A voluminous hepatic pseudocyst: metastasis of a carcinoid tumor of the ileum] Bremer A, et al. **Acta Gastroenterol Belg** 1986 Sep–Oct;49(5):517–24 (Eng. Abstr.) **(Fre)**

[Arterial computed tomography in focal lesions of the liver (letter)] Van Beers B, et al. **Acta Gastroenterol Belg** 1986 May–Jun;49(3):349–50 **(Fre)**

[Hepatic arterial lipiodolization and x-ray computed tomography diagnosis of malignant liver tumors. Experience apropos of 33 cases] Puech JL, et al. **Ann Radiol (Paris)** 1987;30(3):193–201 (Eng. Abstr.) **(Fre)**

[Computerized portography in the evaluation of malignant hepatic tumors] Boulanger A, et al. **J Belge Radiol** 1986; 69(5):329–34 (Eng. Abstr.) **(Fre)**

[Arterial computerized tomography of the liver compared to conventional computerized tomography and arteriography] Van Beers B, et al. **J Belge Radiol** 1986; 69(5):321–7 (Eng. Abstr.) **(Fre)**

[Epithelioid hemangioendothelioma of the liver and superior vena cava. Radiological results apropos of a case in an adult] de Verbizier G, et al. **J Radiol** 1987 Jan;68(1):55–9 (Eng. Abstr.) **(Fre)**

[Lipiodolized angiography in hepatocellular carcinomas.

Contribution of iodine-131-labelled lipiodol] Raoul JL, et al. **J Radiol** 1986 Nov;67(11):797-801 (Eng. Abstr.) **(Fre)**

[Dynamic computed tomography in the diagnosis of lymphoma of the liver and spleen] Kurtz B, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:129-40 (26 ref.) **(Ger)**

[Portohepatic angiography with intra-arterial digital subtraction technic] Krestin GP, et al. **Med Klin** 1986 May 16;81(11):380-4 (Eng. Abstr.) **(Ger)**

[DSA for the imaging of tumor-caused vascular changes and complications during local chemotherapy of the liver via the portal system] Gross-Fengels W, et al. **ROFO** 1987 Apr;146(4):420-4 (Eng. Abstr.) **(Ger)**

[Diagnostic value of CT with hepatic arterial infusion of lipiodol (Lp-CT) for detection of daughter nodules of hepatocellular carcinoma--comparison with CT during arterial portography] Ohishi H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Jul 25; 46(7):903-5 (Eng. Abstr.) **(Jpn)**

[A study of a newly designed method in pharmacoangiography with a vasoconstrictor] Watanabe S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Sep 25;46(9):1138-40 (Eng. Abstr.) **(Jpn)**

[Hepatic angiography] Manabe T, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:174-85 (15 ref.) **(Jpn)**

[Dynamic CT and pathologic studies on hepatic cavernous hemangioma] Miyazaki M, et al. **Rinsho Hoshasen** 1986 Jul;31(7):767-71 (Eng. Abstr.) **(Jpn)**

[Two cases of primary hepatic rhabdomyosarcoma in adults] Shibata T, et al. **Rinsho Hoshasen** 1987 May;32(5):653-6 (Eng. Abstr.) **(Jpn)**

[Primary lipoma and angiomyolipoma of the liver diagnosed by CT scan: report of two resected cases] Shima Y, et al. **Rinsho Hoshasen** 1986 Nov;31(12):1457-60 (Eng. Abstr.) **(Jpn)**

[Use of computerized subtraction angiography in the diagnosis of voluminous lesions of the liver] Vos'mirko OD, et al. **Vestn Rentgenol Radiol** 1987 Jan-Feb;(1):16-20 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Hepatic cavernous hemangioma: diagnosis with 99mTc-labeled red cells and single-photon emission CT. Brodsky RI, et al. **AJR** 1987 Jan;148(1):125-9

Likelihood ratio [letter] Fisher MF. **AJR** 1987 Jun; 148(6):1272-3

Accumulation of technetium-99m sulfur colloid by hepatocellular adenoma: scintigraphic-pathologic correlation. Lubbers PR, et al. **AJR** 1987 Jun;148(6):1105-8

Accumulation of technetium-99m sulfur colloid in hepatocellular adenomas [letter] Vincent LM. **AJR** 1987 Oct;149(4):862-3

Pre-operative isotope liver scanning in clinicopathological staging of patients with large bowel cancer. Florin T, et al. **Aust NZ J Surg** 1987 Jul;57(7):451-4

Use of monoclonal antibodies for diagnosis and treatment of liver tumours. Wilson CB, et al. **Baillieres Clin Gastroenterol** 1987 Jan;1(1):115-30 (61 ref.)

Imaging characteristics of large lipoma and angiomyolipoma of the liver. Case reports. Takayasu K, et al. **Cancer** 1987 Mar 1;59(5):916-21

Hepatoblastoma. Calderwood G, et al. **Clin Nucl Med** 1986 Dec;11(12):880-1

Radionuclide imaging of primary tumors and tumor-like conditions of the liver. Drane WE, et al. **Clin Nucl Med** 1987 Jul;12(7):569-82

Pathognomonic scintigraphic finding of hepatic cavernous hemangioma. Kim SM, et al. **Clin Nucl Med** 1987 Jan; 12(1):53-4

Budd-Chiari syndrome complicating hepatocellular carcinoma. Demonstration by multiple radiotracer scintigraphy. Lee VW, et al. **Clin Nucl Med** 1986 Feb; 11(2):102-7

Technetium-99m macroaggregates for the study of the distribution of arterial infusion chemotherapy in the liver. Lubin E, et al. **Clin Nucl Med** 1987 May;12(5):385-8

Blood pool SPECT and planar imaging in hepatic hemangioma. Malik MH. **Clin Nucl Med** 1987 Jul; 12(7):543-7

Technetium-99m red blood cell scintigraphy in diagnosis of hepatic hemangioma. Prakash R, et al. **Clin Nucl Med** 1987 Mar;12(3):235-7

False-positive liver scan due to an intrahepatic gallbladder detected by cholescintigraphy. Velchik MG, et al. **Clin Nucl Med** 1987 Jan;12(1):50-2

Tumor imaging with carbon-11 labeled alpha-aminoisobutyric acid (AIB) in a patient with advanced malignant melanoma. Conti PS, et al. **Eur J Nucl Med** 1986;12(7):353-6

Uptake of technetium 99m MDP by hepatoblastoma. Cory DA, et al. **Eur J Nucl Med** 1987;12(11):546-7

Unusual case of an ectopic spleen. Park CH, et al. **Eur J Nucl Med** 1987;13(4):210-1

In vivo versus in vitro labeling of red blood cells in hepatic cavernous hemangioma [letter] Floyd JL, et al. **J Nucl Med** 1986 Dec;27(12):1940-1

Hepatic angiosarcoma: mimicking of angioma on three-phase technetium-99m red blood cell scintigraphy. Ginsberg F, et al. **J Nucl Med** 1986 Dec;27(12):1861-3

Technetium-99m-labeled red blood cells in the evaluation of hemangiomas of the liver in infants and children. Miller JH. **J Nucl Med** 1987 Sep;28(9):1412-8

201Tl per-rectal scintigraphy in primary hepatocellular carcinoma. Tonami N, et al. **Nucl Med Commun** 1985 Jun; 6(6):327-39

Cavernous hemangioma of the liver: detection with single-photon emission computed tomography. Tumeh SS, et al. **Radiology** 1987 Aug;164(2):353-6

[Evaluation of single photon emission computed tomography using Ga-67 for scintigraphy of hepatocellular carcinoma] Iguchi H. **Kaku Igaku** 1987 Apr;24(4):441-51 (Eng. Abstr.) **(Jpn)**

[A case of early uptake of hepatobiliary scan agent in hepatocellular carcinoma] Fujikawa M, et al. **Rinsho Hoshasen** 1986 Jun;31(6):749-52 (Eng. Abstr.) **(Jpn)**

[67Ga-scintigraphy in patients with primary and secondary hepatic malignant neoplasms] Ozawa M, et al. **Rinsho Hoshasen** 1986 Aug;31(8):907-11 (Eng. Abstr.) **(Jpn)**

[Two cases of skeletal metastasis of hepatocellular carcinoma demonstrating an abnormal accumulation of Tc-99m PMT] Tada A, et al. **Rinsho Hoshasen** 1987 Jan;32(1):139-42 (Eng. Abstr.) **(Jpn)**

[Detection of liver hemangioma using 2-phase scintigraphy with radiocolloid and 99mTc labeled erythrocytes] Kostić K, et al. **Srp Arh Celok Lek** 1986 Jul;114(7):677-86 (Eng. Abstr.) **(Scc)**

[Single photon emission computed tomography (SPECT): a step forward in the diagnosis of space-occupying lesions of the liver] Velasco Lajo T, et al. **Rev Esp Enferm Apar Dig** 1987 Apr;71(4):293-8 (Eng. Abstr.) **(Spa)**

RADIOTHERAPY

Low-dose-rate radiation sensitivity of a human hepatoma cell line. Dillehay LE, et al. **NCI Monogr** 1987;(3):43-6

[Radiotherapy and combination radiochemotherapy in the treatment of primary cancers of the liver, pancreas and bile ducts] Eschwege F, et al. **Acta Gastroenterol Belg** 1986 Mar-Apr;49(2):175-81 (Eng. Abstr.) **(Fre)**

[131I antiferritin in the treatment of hepatoma and Hodgkin's disease (editorial)] Cohen Y, et al. **Harefuah** 1986 Dec 1; 111(11):398-9 **(Heb)**

[Clinical and pathological study of irradiation therapy in 24 patients with hepatocellular carcinoma] Takara K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Aug;83(8):1473-82 (Eng. Abstr.) **(Jpn)**

SECONDARY

Multicentric hepatocellular carcinoma following phosphate diethylstilbestrol therapy for prostatic cancer. Endo H, et al. **Acta Pathol Jpn** 1987 May;37(5):795-806

The mistaker, or indeterminate CT diagnosis of hepatic metastases: the value of sonography. Brick SH, et al. **AJR** 1987 Apr;148(4):723-6

Leo J. Rigler lecture. MR imaging of the liver. Ferrucci JT. **AJR** 1986 Dec;147(6):1103-16

Treatment of liver metastases with a combination of chemotherapy and hyperfractionated external radiation therapy. Raju PI, et al. **Am J Clin Oncol** 1987 Feb; 10(1):41-3

Diarrhea and abdominal pain in a 64-year-old man [clinical conference] **Am J Med** 1987 Jun;82(6):1195-202

Glucagonoma syndrome. Rapid response following arterial embolization of glucagonoma metastatic to the liver. Assaad SN, et al. **Am J Med** 1987 Mar;82(3):533-5

Metastatic malignant biliary obstruction. Stellato TA, et al. **Am Surg** 1987 Jul;53(7):385-8

Aspects of paediatric oncology. Elison B, et al. **Ann Acad Med Singapore** 1986 Oct;15(4):581-9

Hepatic metastases in Hong Kong Chinese: evidence for an East-West difference in gastric cancer [letter] Duncan JL, et al. **Ann R Coll Surg Engl** 1987 Jul;69(4):191-2

Cannulation of the portal vein for cytotoxic liver perfusion in colorectal carcinomas: an alternative approach. Hunt TM, et al. **Ann R Coll Surg Engl** 1987 Jan;69(1):36-8

Hepatic metastases in Hong Kong Chinese: evidence for an East-West difference in gastric cancer. Steele RJ, et al. **Ann R Coll Surg Engl** 1987 Mar;69(2):61-3

Patterns of failure following surgical resection of colorectal cancer liver metastases. Rationale for a multimodal approach. Bozzetti F, et al. **Ann Surg** 1987 Mar; 205(3):264-70

Hepatic resection for colorectal liver metastases. Influence on survival of preoperative factors and surgery for recurrences in 80 patients. Nordlinger B, et al. **Ann Surg** 1987 Mar;205(3):256-63

Effect of N-phosphonacetyl-L-aspartate and D-glucosamine on the incorporation of 5-fluorouridine into normal tissues and an adenocarcinoma in the rat. Erichsen C, et al. **Anticancer Res** 1987 Jan-Feb;7(1):77-80

Accumulation of globotriaosylceramide in a case of leiomyosarcoma. Li SC, et al. **Biochem J** 1986 Dec 15; 240(3):925-7

Liver tumour blood flow and responses to arterial embolization measured by dynamic hepatic scintigraphy. Flowerdew AD, et al. **Br J Cancer** 1987 Mar;55(3):269-73

Patterns of reactivity of the monoclonal antibody 791T/36 with different tumour metastases in the liver. Hawkey CJ, et al. **Br J Cancer** 1986 Dec;54(6):871-5

Occult hepatic metastases in colorectal carcinoma [letter] Benjamin IS, et al. **Br J Surg** 1986 Dec;73(12):1046

Major hepatic resection for colorectal liver metastases. Bradpiece HA, et al. **Br J Surg** 1987 Apr;74(4):324-6

Determinants of survival in liver resection for colorectal secondaries. Ekberg H, et al. **Br J Surg** 1986 Sep; 73(9):727-31

Occult hepatic metastases in colorectal carcinoma. Finlay IG, et al. **Br J Surg** 1986 Sep;73(9):732-5

Role of ultrasound in the diagnosis of liver metastases before surgery for large bowel cancer. Grace RH, et al. **Br J Surg** 1987 Jun;74(6):480-1

Liver metastases and energy expenditure [letter] Shanbhogue LK. **Br J Surg** 1986 Dec;73(12):1047

Fatal haemoperitoneum from ruptured hepatic metastases from testicular teratomas. Fidas-Kamini A, et al. **Br J Urol** 1987 Jul;60(1):80-1

Immunoscintigraphy of metastases with radiolabelled human antibodies. Al-Azzawi F, et al. **Br Med J** 1987 Feb 28; 294(6571):545-6

Hepatic resection for metastatic disease. Olak J, et al. **Can J Surg** 1986 Nov;29(6):435-9

Clinicopathologic features and prognosis for Wilms' tumor patients with metastases at diagnosis. Breslow NE, et al. **Cancer** 1986 Dec 1;58(11):2501-11

Starch microsphere-induced arterial flow redistribution after occlusion of replaced hepatic arteries in patients with liver metastases. Civalleri D, et al. **Cancer** 1986 Nov 1; 58(9):2151-5

Incidence and methodologic aspects of the occurrence of liver metastases in recurrent breast cancer. Kamby C, et al. **Cancer** 1987 Apr 15;59(8):1524-9

Elevated levels of secretory immunoglobulins A and M in serum of patients with large bowel carcinoma indicate liver metastasis. Kvale D, et al. **Cancer** 1987 Jan 15;59(2):203-7

Intrahepatic infusional therapy for metastatic ovarian carcinoma. Malone JM Jr, et al. **Cancer** 1987 Jun 1; 59(11):1866-9

The limitation of liver function tests in metastatic carcinoid tumors. Moinuddin M, et al. **Cancer** 1987 Apr 1; 59(7):1304-6

Adjuvant perioperative hepatic arterial mitomycin C and floxuridine combined with surgical resection of metastatic colorectal cancer in the liver. Patt YZ, et al. **Cancer** 1987 Mar 1;59(5):867-73

Perfusion of colorectal hepatic metastases. Relative distribution of flow from the hepatic artery and portal vein. Ridge JA, et al. **Cancer** 1987 May 1;59(9):1547-53

The effect of Kupffer cell stimulation or depression on the development of liver metastases in the rat. Pearson HJ, et al. **Cancer Immunol Immunother** 1986;23(3):214-6

Effect of anti-B16 melanoma monoclonal antibody on established murine B16 melanoma liver metastases. Eisenthal A, et al. **Cancer Res** 1987 Jun 1;47(11):2771-6

Reduction of hepatic metastases in rabbits by administration of an oily anticancer agent into the portal vein. Yamasaki K, et al. **Cancer Res** 1987 Feb 1;47(3):852-5

Percutaneous hepatic arterial infusion of cisplatin for metastatic breast cancer. Fraschini G, et al. **Cancer Treat Rep** 1987 Mar;71(3):313-5

Dose-response relationship to dacarbazine demonstrated in a patient with malignant melanoma. Hoelzer KL, et al. **Cancer Treat Rep** 1986 Oct;70(10):1211-2

Treatment of malignant carcinoid tumors with human leukocyte interferon: long-term results. Oberg K, et al. **Cancer Treat Rep** 1986 Nov;70(11):1297-304

Malignant ganglioneuroma of adrenals with metastasis to liver and spleen. Chen GH, et al. **Chin Med J [Engl]** 1986 Mar;99(3):261-3

Recurrence of immature ovarian teratoma in liver and lung. Lian LJ, et al. **Chin Med J [Engl]** 1986 Jul;99(7):551-4

Carcinoid liver metastases. Accuracy of radionuclide liver/spleen imaging compared to computed tomography. Halvorsen RA Jr, et al. **Clin Nucl Med** 1987 Apr; 12(4):268-73

Discordant hepatobiliary scintigraphy and computed tomography in hepatic metastasis. Moreno AJ, et al. **Clin Nucl Med** 1987 Apr;12(4):331-2

Technetium-99m MDP accumulation in hepatic metastasis from osteogenic sarcoma. Palestro C, et al. **Clin Nucl Med** 1987 Apr;12(4):329-30

Visualization of metastatic liver disease on technetium-99m bone scintigraphy. Romyn AM, et al. **Clin Nucl Med** 1987 Apr;12(4):264-7

Apparent extra-hepatic invasion by metastatic tumours in the liver. Weinbren K, et al. **Clin Radiol** 1987 Jul; 38(4):357-62

Pseudometastases secondary to film static artifact. Spizarny DL, et al. **Comput Radiol** 1986 Jul-Aug;10(4):207-9

Hepatic artery bolus infusion chemotherapy with mitomycin C. Angiographic results and complications. Overbosch EH, et al. **Diagn Imag Clin Med** 1986;55(4-5):276-81

Adenocarcinoid of the appendix presenting with metastases to the liver. Bak M, et al. **Dis Colon Rectum** 1987 Feb; 30(2):112-5

Lung recurrence after curative surgery for colorectal cancer. Pihl E, et al. **Dis Colon Rectum** 1987 Jun;30(6):417-9

Reduced incidence of hepatic metastases by perioperative treatment with recombinant human interleukin-2. Weese JL, et al. **Dis Colon Rectum** 1987 Jul;30(7):503-7

Intrahepatic arterial administration of 4'epidoxorubicin (epirubicin) in advanced cancer patients. A pharmacokinetic study. Pannuti F, et al.

Eur J Cancer Clin Oncol 1986 Nov;22(11):1309–14

A prospective study of current diagnostic procedures for assessment of hepatic metastases in colorectal cancers. Arnaud JP, et al. **Eur J Surg Oncol** 1987 Aug;13(4):355–8

Early adjuvant intraportal chemotherapy after curative hepatectomy for colorectal liver metastases—a pilot study. Elias D, et al. **Eur J Surg Oncol** 1987 Jun;13(3):247–50

The prognostic value of preoperative alkaline phosphatase for resection of solitary liver metastasis from colorectal carcinoma. Klompje J, et al. **Eur J Surg Oncol** 1987 Aug; 13(4):345–7

Single photon emission computerized tomography (SPECT) for monitoring regeneration of the human liver after partial hepatectomy for secondary tumours. Szawlowski AW, et al. **Eur J Surg Oncol** 1986 Dec;12(4):389–92

Papillary–cystic neoplasm of the pancreas with multiple hepatic metastases: a case report. Matsuda Y, et al. **Gastroenterol Jpn** 1987 Jun;22(3):379–84

Catheter perforation of the duodenum during hepatic artery chemotherapy. Pagana TJ, et al. **Gastrointest Endosc** 1987 Jun;33(3):244–5

Endoscopic transduodenal removal of an hepatic artery infusion catheter. Weese JL, et al. **Gastrointest Endosc** 1987 Jun;33(3):246–7

32–year–old man with nausea, vomiting and metastatic adenocarcinoma [clinical conference] Crabb D, et al. **Indiana Med** 1986 Nov;79(11):981–8

A new animal model for human colon cancer metastasis. Bresalier RS, et al. **Int J Cancer** 1987 May 15;39(5):625–30

A comparison of misonidazole sensitized radiation therapy to radiation therapy alone for the palliation of hepatic metastases: results of a Radiation Therapy Oncology Group randomized prospective trial. Leibel SA, et al. **Int J Radiat Oncol Biol Phys** 1987 Jul;13(7):1057–64

Response of colo–rectal hepatic metastases to concomitant radiotherapy and intravenous infusion 5 fluorouracil. Rotman M, et al. **Int J Radiat Oncol Biol Phys** 1986 Dec; 12(12):2179–87

Surgical resection of liver metastases from colo–rectal cancers. Nordlinger B, et al. **Int Surg** 1987 Apr–Jun; 72(2):70–2 (21 ref.)

Characterization of a murine tumor of spontaneous origin with selective hepatic metastasis. Jones CB, et al. **Invasion Metastasis** 1987;7(3):144–57

Metastatic carcinoma tumour presenting as a hepatic pseudocyst. McDermott EW. **Ir J Med Sci** 1987 May; 156(5):149–50

Metastatic colon carcinoma to the liver. Tranum BL, et al. **J Arkansas Med Soc** 1986 Dec;83(7):295

Combined hyper– and anechoic liver metastases in two cases of ileal carcinoid tumor. Peetrons P, et al. **J Belge Radiol** 1986;69(5):363–6

Inhibition of liver metastasis in mice by blocking hepatocyte lectins with arabinogalactan infusions and D–galactose. Beuth J, et al. **J Cancer Res Clin Oncol** 1987;113(1):51–5

Detection of liver metastases in small–cell lung cancer: a comparison of peritoneoscopy with liver biopsy and ultrasonography with fine–needle aspiration. Hansen SW, et al. **J Clin Oncol** 1987 Feb;5(2):255–9

Clinical course of breast cancer patients with liver metastases. Zinser JW, et al. **J Clin Oncol** 1987 May;5(5):773–82

Identification of bone and liver metastases from breast cancer by measurement of plasma alkaline phosphatase isoenzyme activity. Mayne PD, et al. **J Clin Pathol** 1987 Apr; 40(4):398–403

Computed tomography of the liver after dearterialization and intraarterial chemotherapy. Keramati B, et al. **J Comput Tomogr** 1986 Oct;10(4):303–7

Malignant hemangiopericytoma: computed tomography and magnetic resonance imaging. Shin MS, et al. **J Comput Tomogr** 1987 Jul;11(3):297–300

ACTH–producing apudoma metastatic to the liver. Long SI. **J Natl Med Assoc** 1987 Jan;79(1):122–3

Hepatic metastatic thymoma and myasthenia gravis twenty–two years after the apparent cure of an invasive thymoma. A case report and review of the literature. Denayer MA, et al. **J Neurol Sci** 1986 Nov;76(1):23–30 (25 ref.)

Management of apparent single foci of epithelial ovarian cancer. Bruckner HW, et al. **J Surg Oncol** 1987 Jul; 35(3):204–6

Diagnostic evaluation and survival analysis of colorectal cancer patients with liver metastases. de Brauw LM, et al. **J Surg Oncol** 1987 Feb;34(2):81–6

Hepatic scar along a transhepatic biliary drainage tract simulating metastatic diseases. Bret PM, et al. **JCU** 1987 Jan;15(1):56–8

Effects of liposome–entrapped doxorubicin on liver metastases of mouse colon carcinomas 26 and 38. Mayhew EG, et al. **JNCI** 1987 Apr;78(4):707–13

A case of pancreatic cancer with liver metastasis which responded to chemotherapy. Yoshimori M, et al. **Jpn J Clin Oncol** 1987 Mar;17(1):87–94

Clinicopathological study on hematogenous metastasis of pancreatic cancer. Matsuno S, et al. **Jpn J Surg** 1986 Nov; 16(6):406–11

Prevention of experimental liver metastases by arabinogalactan. Uhlenbruck G, et al. **Naturwissenschaften** 1986 Oct;73(10):626–7

Dermatofibrosarcoma protuberans: an unusual presentation (letter). Ahmed AF, et al. **NY State J Med** 1986 Oct; 86(10):543

Optimal pulse sequence for imaging hepatic metastases. Henkelman RM, et al. **Radiology** 1986 Dec;161(3):727–34

Liver metastases from colorectal cancers: detection with CT during arterial portography. Matsui O, et al. **Radiology** 1987 Oct;165(1):65–9

Efficiency of composite tests in gastrointestinal cancer. Preoperative prediction of liver metastases by scintigraphy, alkaline phosphatase, and carcinoembryonic antigen. Christensen M, et al. **Scand J Gastroenterol** 1987 Apr; 22(3):273–8

Hepatic artery chemotherapy for colorectal cancer metastatic to the liver. Niederhuber JE. **Surg Annu** 1987;19:263–77 (60 ref.)

Distribution of fluorodeoxyuridine uptake in the liver and colorectal hepatic metastases of human beings after arterial infusion. Ridge JA, et al. **Surg Gynecol Obstet** 1987 Apr; 164(4):319–23

Liver resection for metastatic colorectal cancer. Iwatsuki S, et al. **Surgery** 1986 Oct;100(4):804–10

Intraoperative ultrasonography in screening for liver metastases from colorectal cancer: comparative accuracy with traditional procedures. Machi J, et al. **Surgery** 1987 Jun;101(6):678–84

Anthracycline in colorectal carcinoma: an in vitro short–term assay to predict drug sensitivity. Preliminary results. Seminara P, et al. **Tumori** 1987 Feb 28;73(1):69–73

Metastatic renal oncocytic neoplasm with benign histologic appearance. Jockle GA, et al. **Urology** 1987 Jul;30(1):79–81

Fatal epithelioid haemangioendothelioma presenting in the lung and liver. Ekfors TO, et al. **Virchows Arch [A]** 1986; 410(1):9–16

Hepar lobatum carcinomatosum due to metastatic breast carcinoma. Honma K. **Virchows Arch [A]** 1987;410(6):465–9

Resection of liver metastases—when is it worthwhile? Adson MA. **World J Surg** 1987 Aug;11(4):511–20

Regional and systemic chemotherapy for colorectal metastases to the liver. Balch CM, et al. **World J Surg** 1987 Aug;11(4):521–6

Pattern of recurrence in liver resection for colorectal secondaries. Ekberg H, et al. **World J Surg** 1987 Aug; 11(4):541–7

Intraportal chemotherapy in colorectal carcinoma as an adjuvant modality. Metzger U, et al. **World J Surg** 1987 Aug;11(4):452–8

Rationale and indications for perfusion in liver tumors: current data. Schwemmle K, et al. **World J Surg** 1987 Aug; 11(4):534–40

Vena occlusive disease simulated by a metastasis of gastric cancer during pregnancy. Varga M, et al. **Z Rechtsmed** 1986;97(3):219–22

[Response to hepatic intra–arterial chemotherapy for metastases of colorectal cancer. Anatomo–pathological evaluation apropos of 3 cases of secondary hepatic excision] Gayral F, et al. **Gastroenterol Clin Biol** 1987 Jan; 11(1):88–92 (Eng. Abstr.) **(Fre)**

[Computerized x–ray tomographic aspects of calcifying hepatic metastases. Incidence of cancer of colorectal origin] Belloir A, et al. **J Radiol** 1986 Aug–Sep;67(8–9):583–7 (Eng. Abstr.) **(Fre)**

[Chemoembolization of hepatic metastases. Preliminary study] Courtheoux P, et al. **J Radiol** 1987 Apr;68(4):247–53 (Eng. Abstr.) **(Fre)**

[Value of ultrasonics in diagnosing the onset of lymphomatous liver lesions] Bruneton JN, et al. **Nouv Rev Fr Hematol** 1986;28(6):365–9 (Eng. Abstr.) **(Fre)**

[Computerized tomography (CT) and nuclear magnetic resonance tomography (MRT) in the diagnosis of liver metastasis] Imhof H, et al. **Acta Med Austriaca** 1986; 13(3):69–73 (Eng. Abstr.) **(Ger)**

[Value of digital subtraction angiography in the imaging of a subcutaneously implanted, intra–arterial chemotherapy catheter] Adamietz IA, et al. **Digitale Bilddiagn** 1986 Dec; 6(4):192–4 (Eng. Abstr.) **(Ger)**

[Abdominal computerized tomography in the after–care of ovarian cancers] Gritzmann N, et al. **Digitale Bilddiagn** 1986 Dec;6(4):171–5 (Eng. Abstr.) **(Ger)**

[Regional chemotherapy in liver metastases and prognosis] Hottenrott C, et al. **Lebensversicherungsmedizin** 1986 Sep 1;38(5):130, 132–3 (Eng. Abstr.) **(Ger)**

[CT symptomatology of liver metastases of colorectal cancer] Lüning M, et al. **Radiol Diagn (Berl)** 1987;28(2):169–82 (Eng. Abstr.) **(Ger)**

[Intra–arterial dynamic computed tomography in characterizing liver metastases of colorectal cancer] Flentje M, et al. **ROFO** 1986 Sep;145(3):263–7 (Eng. Abstr.) **(Ger)**

[Angiographic and computed tomographic findings in intra–arterial cytostasis of colorectal liver metastases] Friedrich M, et al. **ROFO** 1986 Oct;145(4):446–55 (Eng. Abstr.) **(Ger)**

[Radiodiagnosis of recurrences and metastases of colorectal tumors] Kretzschmar U, et al. **Rontgenpraxis** 1987 Jun; 40(6):201–10 (32 ref.) **(Ger)**

[Therapy of liver metastases of colorectal cancer. Review of the present status] Steffen R. **Schweiz Rundsch Med Prax** 1986 Oct 14;75(42):1258–62 (56 ref.) (Eng. Abstr.) **(Ger)**

[Liver metastases of colorectal carcinoma: computerized tomographic follow–ups and prognoses in relation to therapy] Leipner N, et al. **Strahlenther Onkol** 1987 Aug; 163(8):534–43 (Eng. Abstr.) **(Ger)**

[Reliability of sonography in diagnosing liver metastases in breast and bronchial cancer. A retrospective comparison of physical examination, laboratory tests and liver scintigraphy] Schattevoet WH, et al. **Ultraschall Med** 1986 Dec;7(6):293–9 (Eng. Abstr.) **(Ger)**

[Liver resection of hematogenous and infiltrating metastases] Funovics JM, et al. **Wien Klin Wochenschr** 1986 Dec 19; 98(24):813–20 (Eng. Abstr.) **(Ger)**

[Metastasizing, endocrine active pancreatic tumor with hormone conversion from gastrin to insulin] Czermak H, et al. **Wien Med Wochenschr** 1987 Jun 30;137(12):273–4 **(Ger)**

[A 42–year–old patient with a metastasizing insulinoma] Sedlmayr P, et al. **Wien Med Wochenschr** 1987 Jun 30; 137(12):275–7 (Eng. Abstr.) **(Ger)**

[Metastasizing hemangiopericytoma] Barnbeck F, et al. **Zentralbl Chir** 1986;111(19):1194–7 **(Ger)**

[Smooth muscle tumor of the gastrointestinal tract with liver metastases and hypercalcemia (clinical conference)] **Harefuah** 1986 Sep;111(5–6):154–8 **(Heb)**

[Hepatic metastases of gastrointestinal carcinoma. Clinical and prognostic considerations] Sisto G, et al. **Minerva Dietol Gastroenterol** 1987 Jan–Mar;33(1):25–8 (Eng. Abstr.) **(Ita)**

[Comparative study of hepatic metastasis with different modality ultrasound scanners] Squillaci E, et al. **Radiol Med (Torino)** 1986 Nov;72(11):831–6 (Eng. Abstr.) **(Ita)**

[Liver metastasis of thymoma—report of two cases] Ideguch S, et al. **Gan No Rinsho** 1987 Jun;33(6):692–7 (Eng. Abstr.) **(Jpn)**

[A long–surviving case of gastric cancer with liver metastasis without signs of recurrence for six years after palliative operation] Kosaka T, et al. **Gan No Rinsho** 1987 Feb; 33(2):211–6 (Eng. Abstr.) **(Jpn)**

[A case of B cell malignant lymphoma with in the liver and brain metastasis in Hashimoto's disease] Kuki K, et al. **Gan No Rinsho** 1987 Mar;33(3):287–92 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of metastatic hepatic cancers] Uchino J, et al. **Gan No Rinsho** 1986 Aug;32(10):1273–7 (Eng. Abstr.) **(Jpn)**

[The features of liver metastasis of breast cancer on imaging and its response to arterial infusion chemotherapy] Kakuta T, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):3010–5 (Eng. Abstr.) **(Jpn)**

[Current status of diagnosis and treatment of metastatic liver cancer] Kubo Y, et al. **Gan To Kagaku Ryoho** 1987 Mar; 14(3 Pt 1):590–9 (Eng. Abstr.) **(Jpn)**

[Inhibition of liver metastasis of hamster pancreatic cancer by intraportal administration of prostaglandins] Kato S, et al. **Nippon Geka Gakkai Zasshi** 1987 Apr;88(4):505 **(Jpn)**

[Ultrasonic diagnosis of metastatic liver neoplasms] Azuma Y. **Rinsho Hoshasen** 1986 Aug;31(8):915–6 **(Jpn)**

[Study of the ultrasonic findings of metastatic liver cancer] Gondoh M, et al. **Rinsho Hoshasen** 1986 Jul;31(7):781–8 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of secondary malignant tumors of the liver] Komov DV, et al. **Khirurgiia (Mosk)** 1987 Feb; (2):76–9 (Eng. Abstr.) **(Rus)**

[Late results of treating specific liver involvement in lymphogranulomatosis] Demina EA. **Ter Arkh** 1986; 58(9):55–7 (Eng. Abstr.) **(Rus)**

[Undifferentiated small cell carcinoma of pancreatic origin. Presentation of a case and review of the literature] Campistol JM, et al. **Med Clin (Barc)** 1987 Mar 14; 88(10):419–22 (Eng. Abstr.) **(Spa)**

SECRETION

Sex hormone–binding globulin secretion by human hepatocarcinoma cells is increased by both estrogens and androgens. Lee IR, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):825–31

Secretion of lipids, apolipoproteins, and lipoproteins by human hepatoma cell line, HepG2: effects of oleic acid and insulin. Dashti N, et al. **J Lipid Res** 1987 Apr; 28(4):423–36 (83 ref.)

Histologic characteristics of gonadotropin–producing hepatoblastoma: a survey of seven cases from Japan. Watanabe I, et al. **J Pediatr Surg** 1987 May;22(5):406–11

Imaging of metastatic medullary carcinoma of the thyroid with 131I–meta–iodobenzyl guanidine [letter] Roland J, et al. **Nucl Med Commun** 1986 Oct;7(10):791–2

SURGERY

Icterogenic hepatocellular carcinoma and polygonal cell carcinoma with fibrous stroma (fibrolamellar hepatocarcinoma). Eyskens E, et al. **Acta Chir Belg** 1987 Jan–Feb;87(1):19–25

Imaging of surgically relevant hepatic vascular and segmental anatomy. Part 2. Extent and resectability of hepatic neoplasms. Mukai JK, et al. **AJR** 1987 Aug;149(2):293–7

Hepatic resection for primary and secondary neoplasms of the liver. Pommier RF, et al. **Am J Surg** 1987 May; 153(5):428–33

Somatostatin, anaesthesia, and the carcinoid syndrome. Peri–operative administration of a somatostatin analogue to suppress carcinoid tumour activity. Roy RC, et al. **Anaesthesia** 1987 Jun;42(6):627–32

Results of 32 major hepatic resections for primary and

secondary malignancies of the liver. Turumen MJ, et al. **Ann Chir Gynaecol** 1986;75(4):209–14 (22 ref.)

Utility of operative ultrasound in the surgical management of liver tumors. Castaing D, et al. **Ann Surg** 1986 Nov; 204(5):600–5

Hepatic resection for hepatocellular carcinoma. Clinical features and long-term prognosis. Nagao T, et al. **Ann Surg** 1987 Jan;205(1):33–40

Human liver regeneration after major hepatic resection. A study of normal liver and livers with chronic hepatitis and cirrhosis. Nagasue N, et al. **Ann Surg** 1987 Jul;206(1):30–9

Cavernous hemangioma of the liver. A single institution report of 16 resections. Schwartz SI, et al. **Ann Surg** 1987 May;205(5):456–65

Resection of hepatocellular carcinoma after transcatheter arterial embolization. Reevaluation of the advantages and disadvantages of preoperative embolization. Hwang TL, et al. **Arch Surg** 1987 Jul;122(7):756–9

Hepatic cryosurgery with intraoperative ultrasound monitoring for metastatic colon carcinoma. Ravikumar TS, et al. **Arch Surg** 1987 Apr;122(4):403–9

Spontaneous rupture of an hepatic adenoma in pregnancy with survival of mother and fetus. Monks PL, et al. **Aust NZ J Obstet Gynaecol** 1986 May;26(2):155–7

Surgery of liver tumours. Guest J, et al. **Baillieres Clin Gastroenterol** 1987 Jan;1(1):131–50 (49 ref.)

Liver transplantation in the treatment of hepatic malignancy. Polson RJ, et al. **Baillieres Clin Gastroenterol** 1987 Jan; 1(1):171–82 (12 ref.)

Evaluation of hepatic resection for hepatocellular carcinoma in the elderly. Ezaki T, et al. **Br J Surg** 1987 Jun;74(6):471–3

Resection of the liver for metastatic disease [letter] Wexler MJ, et al. **Can J Surg** 1987 Jul;30(4):229

Primary lymphoma of the liver treated with hepatic lobectomy and chemotherapy. Redondo C, et al. **Cancer** 1987 Aug 15;60(4):736–40

Surgical treatment of small primary liver carcinoma. Li GH, et al. **Chin Med J [Engl]** 1986 Oct;99(10):827–8

Hepatic resection for primary liver cancer. Report of 400 cases. Wu MC, et al. **Chin Med J [Engl]** 1986 Mar; 99(3):175–80

Repeated hepatic resection. Dagradi AD, et al. **Int Surg** 1987 Apr–Jun;72(2):87–92

Surgical treatment of small hepatocellular carcinomas in cirrhosis. Franco D, et al. **Int Surg** 1987 Apr–Jun;72(2):73–7 (33 ref.)

Hepatic resection for tumours in cirrhotic livers. Gozzetti G, et al. **Int Surg** 1987 Apr–Jun;72(2):82–6

Cavitron assisted liver resection in a child. Thomson SR, et al. **J Pediatr Surg** 1987 Apr;22(4):363–4

Right hepatic lobectomy for primary lymphoma: a case report and literature review. Miyamoto Y, et al. **Jpn J Surg** 1986 Jul;16(4):292–7

Active inflammatory change of the liver as a cause of postoperative hepatic failure. Sakurai M, et al. **Jpn J Surg** 1986 Nov;16(6):398–405

Liver resection in malignant disease. Edwards WH Jr, et al. **Semin Surg Oncol** 1987;3(1):1–11 (58 ref.)

Resection of metachronous hepatocellular carcinomas. Gordon SC, et al. **South Med J** 1986 Dec;79(12):1578–82

Examination of patient selection and outcome for hepatic resection for metastatic disease. Cobourn CS, et al. **Surg Gynecol Obstet** 1987 Sep;165(3):239–46

Gerota's fascia flap for control of hemorrhage of the hepatic surface. Didolkar MS, et al. **Surg Gynecol Obstet** 1986 Nov; 163(5):485–6

Giant hepatic hemangiomas: diagnostic and therapeutic dilemmas. Bornman PC, et al. **Surgery** 1987 Apr; 101(4):445–9

Selective portal branch occlusion by balloon catheter during liver resection. Shimamura Y, et al. **Surgery** 1986 Nov; 100(5):938–41

Hepatic resection for tumour. Blumgart LH. **Ther Umsch** 1987 Jun;44(6):456–63 (49 ref.)

Orthotopic liver transplantation for hepatobiliary malignancy. Report of three cases of special interest. Colonna JO 2d, et al. **Transplantation** 1986 Nov;42(5):561–2

Preoperative portal vein embolization for hepatocellular carcinoma. Kinoshita H, et al. **World J Surg** 1986 Oct; 10(5):803–8

[Evaluation of irregular hepatectomy for primary liver carcinoma] Li GH, et al. **Chung Hua Chung Liu Tsa Chih** 1987 Jan;9(1):45–7 (Eng. Abstr.) **(Chi)**

[High-power Nd:YAG laser in the treatment of liver cancer: experimental and clinical study] Yu YQ, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Mar;24(3):152–5, 188 (Eng. Abstr.) **(Chi)**

[Intraoperative echography: an indispensable element in surgery of small hepatocarcinomas in cirrhotic patients] Bonnet P, et al. **Ann Chir** 1986 Dec;40(9):648–50 (Eng. Abstr.) **(Fre)**

[Coegenital cysts and benign tumors of the liver in adults. What are the surgical indications? Apropos of 47 cases] Huguet C, et al. **Ann Chir** 1986 May;40(4):231–5 (Eng. Abstr.) **(Fre)**

[Recent advances in surgery of tumors of the liver. Ultrasonic classification, specific nutritional aid and hepatic weight index during regeneration of the liver. Apropos of 104 cases] Joyeux H, et al. **Chirurgie** 1987;113(1):82–9 (Eng. Abstr.) **(Fre)**

[Cancer surgery for diffuse hepatic metastases. Apropos of 30 cases] Joyeux H, et al. **Chirurgie** 1987;113(2):113–6 (Eng. Abstr.) **(Fre)**

[Ruptured adenoma of the liver with severe pulmonary embolism discovered during a cesarean section] Aulagnier G, et al. **J Chir (Paris)** 1986 Nov;123(11):651–3 (Eng. Abstr.) **(Fre)**

[Cancer of the right kidney and tumor of the right liver] Coulange C, et al. **J Urol (Paris)** 1986;92(5):307–8 (Eng. Abstr.) **(Fre)**

[Surgical treatment of hepatoma on a cirrhotic liver] Launois B, et al. **Presse Med** 1986 Dec 20;15(45):2235–8 (Eng. Abstr.) **(Fre)**

[Primary malignant fibrous histiocytoma of the liver] Vallent K, et al. **Chirurg** 1987 May;58(5):352–4 **(Ger)**

[Liver transplantation. Current status and indications] Pichlmayr R, et al. **Internist (Berlin)** 1987 Jan;28(1):1–7 **(Ger)**

[Giant cavernous hemangioma of the liver] Staehelin FA, et al. **Schweiz Rundsch Med Prax** 1986 Sep 2;75(36):1049–52 (Eng. Abstr.) **(Ger)**

[Surgical treatment of benign liver tumors] Wolff H, et al. **Zentralbl Chir** 1986;111(19):1153–65 (Eng. Abstr.) **(Ger)**

[Hepatic hemangiomas: criteria for choice of surgical therapy] Aseni P, et al. **Minerva Chir** 1987 Mar 31; 42(6):469–73 (Eng. Abstr.) **(Ita)**

[Surgical treatment of liver metastasis] Boltri F, et al. **Minerva Chir** 1986 Dec 31;41(23–24):1981–91 (Eng. Abstr.) **(Ita)**

[Long-term clinical control and results of surgical treatment of metachronous hepatic metastasis of colorectal carcinoma. Personal experience] Secco GB, et al. **Minerva Chir** 1987 Jun 30;42(12):1031–5 (Eng. Abstr.) **(Ita)**

[A very rare case of primary lymphoma of the liver treated by extended right hepatectomy] Spagliardi E, et al. **Minerva Chir** 1986 Sep 30;41(17–18):1525–30 (Eng. Abstr.) **(Ita)**

[Surgical treatment of hepatocellular carcinoma] Yamasaki S, et al. **Gan No Rinsho** 1986 Aug;32(10):1267–72 (Eng. Abstr.) **(Jpn)**

[The efficacy and limitations of laser surgery in malignant tumors] Sano F, et al. **Gan To Kagaku Ryoho** 1987 May; 14(5 Pt 2):1477–81 (Eng. Abstr.) **(Jpn)**

[The role of hepatic surgery in hepatoma and ensuing problems] Tanaka J. **Nippon Geka Hokan** 1986 Nov 1; 55(6):753–4 **(Jpn)**

[Surgical treatment of primary liver cancer] Berstad T, et al. **Tidsskr Nor Laegeforen** 1986 Sep 20;106(26):2140–2 (Eng. Abstr.) **(Nor)**

[Transhepatic drainage in focal liver diseases complicated by mechanical jaundice] Zhuravlev VA, et al. **Vestn Khir** 1986 Nov;137(11):3–8 (Eng. Abstr.) **(Rus)**

THERAPY

A new method for internal biliary drainage in malignant obstructive jaundice. Intrahepatic cholangioenteric bypass via PTCD fistula. Akiyama H, et al. **Acta Chir Scand** 1987 Mar;153(3):199–201

Hepatic embolization through periportal collaterals: balloon occlusion technique. Nakamura H, et al. **AJR** 1987 Mar; 148(3):626–8

Regional therapy in the management of intrahepatic recurrence after surgery for hepatoma. Sasaki Y, et al. **Ann Surg** 1987 Jul;206(1):40–7

Tumoricidal effects and patient survival after hyperthermic liver perfusion. Skibba JL, et al. **Arch Surg** 1986 Nov; 121(11):1266–71

Interleukin 2 and lymphokine-activated killer cells in the treatment of childhood primary hepatocellular carcinoma—a preliminary report. Hsieh KH, et al. **Asian Pac J Allergy Immunol** 1987 Jun;5(1):13–6

Chemotherapy and radiotherapy of malignant hepatic tumours. Forbes A, et al. **Baillieres Clin Gastroenterol** 1987 Jan;1(1):151–69 (107 ref.)

Hepatic undifferentiated (embryonal) sarcoma and rhabdomyosarcoma in children. Results of therapy. Horowitz ME, et al. **Cancer** 1987 Feb 1;59(3):396–402

A new approach to chemoembolization therapy for hepatoma using ethiodized oil, cisplatin, and gelatin sponge. Sasaki Y, et al. **Cancer** 1987 Sep 15;60(6):1194–203

Transcatheter arterial embolization in hepatoma complicated with obstructive jaundice. Nakao N, et al. **Cardiovasc Intervent Radiol** 1987;10(1):40–2

Tumor imaging and targeting therapy for hepatocellular carcinoma. Preliminary results of experimental and clinical studies. Tang ZY, et al. **Chin Med J [Engl]** 1986 Nov; 99(11):855–60

Prolonged survival without treatment in a patient with primary hepatocellular carcinoma. Flook D, et al. **Eur J Surg Oncol** 1986 Sep;12(3):303–6

Immunotherapy for cancer: the use of lymphokine activated killer (LAK) cells. Fagan EA, et al. **Gut** 1987 Feb; 28(2):113–6 (27 ref.)

Lysis of primary hepatic tumours by lymphokine activated killer cells. Hsieh KH, et al. **Gut** 1987 Feb;28(2):117–24

Immunochemotherapy in human hepatocellular carcinoma using the streptococcal agent OK-432. Imaoka S, et al. **J Clin Oncol** 1986 Nov;4(11):1645–51

Successful management of an androgen-induced hepatic adenoma by embolisation of the hepatic artery. Lewis JL, et al. **J R Coll Surg Edinb** 1986 Oct;31(5):315–6

Alterations in biochemical functions during hyperthermic isolation-perfusion of the human liver. Skibba JL, et al. **J Surg Res** 1986 Oct;41(4):432–8

A clinical evaluation of transcatheter arterial embolization on hepatocellular carcinoma. Harada T, et al. **Jpn J Med** 1987 May;26(2):180–3

Hepatocellular carcinoma: combined hepatic, arterial, and portal venous embolization. Nakao N, et al. **Radiology** 1986 Nov;161(2):303–7

Hepatocellular carcinoma: treatment with intraarterial iodized oil with and without chemotherapeutic agents. Takayasu K, et al. **Radiology** 1987 May;163(2):345–51

Clinical decision analysis using microcomputers. A case of coexistent hepatocellular carcinoma and abdominal aortic aneurysm. Wong JB, et al. **West J Med** 1986 Dec; 145(6):805–15

[Transcatheter selective arterial embolization] Li YH. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Aug;20(4):205–9 (Eng. Abstr.) **(Chi)**

[Hepatic artery embolization and its nursing care] **Chung Hua Hu Li Tsa Chih** 1987 Jan;22(1):4–6 **(Chi)**

[Treatment of 50 cases of liver cancer by hepatic artery embolism] Gao YM. **Chung Hua I Hsueh Tsa Chih** 1987 Mar;67(3):127–9, 184 (Eng. Abstr.) **(Chi)**

[Chemoembolization of the hepatic artery combined with intraportal cytostatic infusion—a new concept in the regional chemotherapy of liver metastases] Seifart W, et al. **Arch Geschwulstforsch** 1986;56(6):445–50 (42 ref.) (Eng. Abstr.) **(Ger)**

[Intra-arterial chemotherapy and embolization of the hepatic artery in primary liver cancer] Guo JY, et al. **Rontgenpraxis** 1987 Jun;40(6):211–4 **(Ger)**

[Treatment of hepatocellular carcinoma with tumor thrombus in the main portal branch—analysis of five cases showing regression of the tumor thrombus] Suyama Y, et al. **Gan No Rinsho** 1987 Jan;33(1):35–41 (Eng. Abstr.) **(Jpn)**

[Usefulness of caerulein in suppressing post-TAE complications of the gallbladder] Akamatsu K, et al. **Gan To Kagaku Ryoho** 1987 Apr;14(4):1094–9 (Eng. Abstr.) **(Jpn)**

[Chemoembolization with degradable starch microspheres in malignant hepatic tumors] Itani K, et al. **Gan To Kagaku Ryoho** 1987 Feb;14(2):388–95 (Eng. Abstr.) **(Jpn)**

[Targeting chemotherapy of hepatocellular carcinoma by arterial administration of anticancer agents dissolved in lipiodol] Konno T. **Gan To Kagaku Ryoho** 1987 Feb; 14(2):373–80 (Eng. Abstr.) **(Jpn)**

[Chemoembolization] Nakamura H, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1656–63 (Eng. Abstr.) **(Jpn)**

[Stability of adriamycin-in-oil emulsion in hepatic artery chemoembolization] Nakamura H, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(11):3276–9 **(Jpn)**

[Oily chemoembolization of hepatoma] Nakamura H, et al. **Gan To Kagaku Ryoho** 1987 Feb;14(2):381–7 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of MMC-mc-chemoembolization therapy and its combination with UFT in hepatocellular carcinoma] Ohmura K, et al. **Gan To Kagaku Ryoho** 1987 Feb;14(2):523–6 (Eng. Abstr.) **(Jpn)**

[Transplantation in cancer therapy] Satake M, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1181–6 (26 ref.) (Eng. Abstr.) **(Jpn)**

[Regional intra-arterial infusion in combination chemotherapy with IFN-beta, MMC and 5-FU (beta-MF chemotherapy) in liver tumors] Takahashi Y, et al. **Gan To Kagaku Ryoho** 1987 Aug;14(8):2513–6 (Eng. Abstr.) **(Jpn)**

[Enhancement of anti-tumor effects by arterial embolization combined with hyperthermia in the treatment of hepatic tumors] Tanaka Y, et al. **Gan To Kagaku Ryoho** 1987 Feb; 14(2):396–403 (Eng. Abstr.) **(Jpn)**

[Chemoembolization therapy with cisplatin.lipiodol (CDDP.lipiodol) in primary liver cancer—with special reference to hepatocellular carcinoma] Yodono H, et al. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3476–82 (Eng. Abstr.) **(Jpn)**

[Radiofrequency hyperthermotherapy in cancer of the liver, bile duct and pancreas] Kurihara M, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Dec 20;21(10):2337–42 (Eng. Abstr.) **(Jpn)**

[Effect of radiotherapy on two cases with walk disturbance by paralysis of vertebral metastases] Mikuriya S, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 May 20;21(4):752–9 (Eng. Abstr.) **(Jpn)**

[A case of hepatoma effectively treated by TAE and intra-arterial and intraportal infusion chemotherapy] Sato M, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Jul 20; 21(6):1318–24 (Eng. Abstr.) **(Jpn)**

[Early determination of the effect of preoperative TAE by observation of serum AFP changes in patients with hepatocellular carcinoma] Tomioka T, et al. **Nippon Geka Gakkai Zasshi** 1987 Apr;88(4):453–9 (Eng. Abstr.) **(Jpn)**

[Gallbladder abnormalities following transcatheter arterial embolization of hepatic malignancies] Ueno S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Dec 25; 46(12):1379–86 (Eng. Abstr.) **(Jpn)**

[Clinical trial of degradable starch microspheres (DSM) in the treatment of hepatic malignancies by intra-arterial infusion of anticancer drugs—relationship between quantity of DSM and blockade of arterial blood flow] Yamada T,

et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Nov 25; 46(11):1259–66 (Eng. Abstr.) **(Jpn)**

[Transcatheter therapy of unresectable hepatocelluiar carcinoma--analysis of prognostic factors and predicted prognoses by multivariate analysis] Yasumori K. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Jun 25; 46(6):791–803 (Eng. Abstr.) **(Jpn)**

[Clinical application of the thermal effect of lasers. 2. Application of the laser thermal effect to the therapy of liver neoplasms] Hashimoto D. **Nippon Rinsho** 1987 Apr; 45(4):888–96 (17 ref.) **(Jpn)**

[Repeated transcatheter arterial embolization therapy of hepatocellular carcinoma] Ikeda K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Dec;83(12):2563–70 (Eng. Abstr.) **(Jpn)**

[A case of sclerosing hepatic carcinoma which showed hypercalcemia and responded to various therapeutic modalities] Kamogawa Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Mar;84(3):758–62 **(Jpn)**

[Quantification analysis of prognostic factors in patients with hepatocellular carcinoma treated by transcatheter arterial embolization] Kanno T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Aug;83(8):1483–8 (Eng. Abstr.) **(Jpn)**

[Study of long-surviving hepatocellular carcinoma patients after transhepatic arterial embolization (TAE)] Matsuo N, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jun; 83(6):1176–86 (Eng. Abstr.) **(Jpn)**

[A clinical study of ruptured hepatocellular carcinoma] Ohta H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Mar; 84(3):690–7 (Eng. Abstr.) **(Jpn)**

[Comparison of various therapeutic modalities with transcatheter arterial infusion of anticancer drugs in hepatocellular carcinoma] Sugita S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov; 83(11):2375–82 (Eng. Abstr.) **(Jpn)**

[Serial changes in the tumor markers (ferritin, immunosuppressive acid protein, beta 2 microglobulin, sialic acid) after TAE in hepatocellular carcinoma] Takagi H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 May; 84(5):1077–83 (Eng. Abstr.) **(Jpn)**

[Prognosis of small hepatocellular carcinoma in relations to the treatment. Study of 100 patients] Tanabe Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 May;84(5):1068–76 (Eng. Abstr.) **(Jpn)**

[Hepatic artery embolization using coaxial catheters] Kubota H, et al. **Rinsho Hoshasen** 1987 Mar;32(3):455–8 **(Jpn)**

[Transcatheter embolization of hepatoma through a collateral artery by the balloon occlusion technique in cases of occluded hepatic artery] Nakamura H, et al. **Rinsho Hoshasen** 1986 Jun;31(6):761–4 **(Jpn)**

[Ruptured hepatocellular carcinoma following transcatheter arterial embolization: a case report] Yamashita Y, et al. **Rinsho Hoshasen** 1986 Sep;31(9):1053–5 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Ultrastructural study of hemangiomas. 4. Cavernous hemangioma of the liver. Kojimahara M. **Acta Pathol Jpn** 1986 Oct;36(10):1477–85

An immuno-electron microscopic study on intra and extracellular localization of alpha-fetoprotein in human hepatocellular carcinoma. Okada K, et al. **Acta Pathol Jpn** 1987 Jun;37(6):915–28

Hepatocellular carcinoma developed on noncirrhotic livers. Sinusoids in hepatocellular carcinoma. Tabarin A, et al. **Arch Pathol Lab Med** 1987 Feb;111(2):174–80

Clofibrate does not induce peroxisomal proliferation in human hepatoma cell lines PLC/PRF/5 and SK-HEP-1. Hertz R, et al. **Cancer Lett** 1987 Mar;34(3):263–72

Results of an analysis of the subcellular structure in 20 cases of primary hepatocellular carcinoma. Cao YZ, et al. **Chin Med J [Engl]** 1986 Apr;99(4):304–10

Ultrastructural study of primary hepatocellular carcinoma. An approach to grading. Wang WL, et al. **Chin Med J [Engl]** 1986 Jul;99(7):576–80

Tumors of the liver, extrahepatic biliary tract, and pancreas. Cleary KR. **Clin Lab Med** 1987 Mar;7(1):57–62

Ultrastructural appearances of preneoplastic liver nodules induced through sequential treatment in rats. Pesce C, et al. **J Environ Pathol Toxicol Oncol** 1986 Sep–Dec; 7(1–2):9–15

Ultrastructure of liver tumors induced in F344 rats by methapyrilene. Reznik-Schüller HM, et al. **J Environ Pathol Toxicol Oncol** 1986 Sep–Dec; 7(1–2):181–95

Infantile hemangioendothelioma of the liver: ultrastructural study of a type II case. Chan YF, et al. **Pathology** 1986 Oct;18(4):463–8

A light microscopic and ultrastructural study of spindle-shaped hepatocellular carcinoma. Andreola S, et al. **Tumori** 1987 Apr 30;73(2):195–201

Fibrolamellar carcinoma of liver: a primary malignant oncocytic carcinoid? Payne CM, et al. **Ultrastruct Pathol** 1986;10(6):539–52

[Ultrastructure of primary clear cell carcinoma of the liver] Wang WL, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Nov;8(6):438–40 (Eng. Abstr.) **(Chi)**

[Ultrastructural study on cytoplasmic inclusions in human hepatocellular carcinoma] Wang WL, et al. **Chung Hua I Hsueh Tsa Chih** 1986 Mar;66(3):160–2 **(Chi)**

[Ultrastructure of hepatocellular carcinoma and hepatoblastoma] Tan YS. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Jun;15(2):90–3 (Eng. Abstr.) **(Chi)**

[Hepatoblastoma] Khoór A, et al. **Morphol Igazsagugyi Orv Sz** 1986 Oct;26(4):307–11 (Eng. Abstr.) **(Hun)**

[Ultrastructure of human hepatic carcinomas compared with ultrastructural findings in hepatomas induced by chemical agents in Wistar rats and the golden hamster] Llombart Bosch A, et al. **Rev Esp Oncol** 1983;30(3):287–302 (Eng. Abstr.) **(Spa)**

URINE

Elevation of transforming growth factor alpha and its relationship to the epidermal growth factor and alpha-fetoprotein levels in patients with hepatocellular carcinoma. Yeh YC, et al. **Cancer Res** 1987 Feb 1; 47(3):896–901

VETERINARY

Field and laboratory studies of the etiology of liver neoplasms in marine fish from Puget Sound. Malins DC, et al. **Environ Health Perspect** 1987 Apr;71:5–16 (44 ref.)

Mesothelioma in a calf. Magnusson RA, et al. **J Am Vet Med Assoc** 1987 Jul 15;191(2):233–4

Metastatic transmissible venereal sarcoma in a dog. Yang TJ. **J Am Vet Med Assoc** 1987 Mar 1;190(5):555–6

Hepatic nodular myelolipomatosis (myelolipomas) associated with a peritoneo-pericardial diaphragmatic hernia in a cat. Schuh JC. **J Comp Pathol** 1987 Mar;97(2):231–5

N-nitrosodiethylamine-induced hepatocarcinogenesis in estuarine sheepshead minnow (Cyprinodon variegatus): neoplasms and related lesions compared with mammalian lesions. Couch JA, et al. **JNCI** 1987 Aug;79(2):297–321

Hyperplastic and neoplastic alterations in the livers of white perch (Morone americana) from the Chesapeake Bay. May EB, et al. **JNCI** 1987 Jul;79(1):137–43

Pathologic anatomy and patterns of occurrence of hepatic neoplasms, putative preneoplastic lesions, and other idiopathic hepatic conditions in English sole (Parophrys vetulus) from Puget Sound, Washington. Myers MS, et al. **JNCI** 1987 Feb;78(2):333–63 (156 ref.)

Ground squirrel hepatitis virus (GSHV) infection and hepatocellular carcinoma in the Canadian Richardson ground squirrel (Spermophilus richardsonii). Minuk GY, et al. **Liver** 1986 Dec;6(6):350–6

Hepatic vascular neoplasms in a colony of ferrets. Cross BM. **Vet Pathol** 1987 Jan;24(1):94–6

[Studies on the relationship of duck hepatoma and duck hepatitis B virus in a high incidence area of human hepatoma] Hsia CC, et al. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Mar;15(1):22–5 (Eng. Abstr.) **(Chi)**

LIVER NEOPLASMS, EXPERIMENTAL

Mouse liver tumors: relevance to human cancer risks. Symposium of the European Society of Toxicology. Rome, February 2–5, 1986. Proceedings. **Arch Toxicol [Suppl]** 1987;10:1–295

ANALYSIS

Determination of ribonucleoside triphosphates and deoxyribonucleoside triphosphates in Novikoff hepatoma cells by high-performance liquid chromatography. Arezzo F. **Anal Biochem** 1987 Jan;160(1):57–64

Cell surface glycoproteins of hepatocytes and hepatoma cells identified by monoclonal antibodies. Becker A, et al. **Biol Chem Hoppe Seyler** 1986 Aug;367(8):681–8

A new glucocorticoid receptor detected in host rat liver but not in various hepatomas. Hirota K, et al. **Cancer Res** 1987 Jul 15;47(14):3742–6

Effect of ischemia on nucleosides and bases in rat liver and hepatoma 3924A. Pillwein K, et al. **Cancer Res** 1987 Jun 15;47(12):3092–6

Elevated expression and cell cycle deregulation of a mitosis-associated target polypeptide of a carcinogen in hyperplastic and malignant rat hepatocytes. Sorof S, et al. **Cancer Res** 1987 Jan 1;47(1):210–20

Variations of ornithine decarboxylase activity and S-adenosyl-L-methionine and 5'-methylthioadenosine contents during the development of diethylnitrosamine-induced liver hyperplastic nodules and hepatocellular carcinoma. Garcea R, et al. **Carcinogenesis** 1987 May;8(5):653–8

The structure of the O-glycosidic oligosaccharide chains of the major Zajdela hepatoma ascites-cell-membrane glycoprotein. Nato F, et al. **Eur J Biochem** 1986 Sep 1; 159(2):303–8

Isolation of an autocrine growth factor from hepatoma HTC-SR cells. Ove P, et al. **J Cell Physiol** 1987 May; 131(2):165–74

Wide distribution of rat hepatoma asialo GM1 and its different responses to anti-asialo GM1 antibody-mediated in vitro and in situ cell killing. Iwamori M, et al. **Jpn J Cancer Res** 1987 Jun;78(6):621–7

Differences in the long chain (sphingoid) base composition of sphingomyelin from rats bearing Morris hepatoma 7777. Merrill AH Jr, et al. **Lipids** 1986 Aug;21(8):529–30

Isolation, localization, and properties of the oncodevelopmental calcium-binding protein oncomodulin. MacManus JP, et al. **Methods Enzymol** 1987;139:156–68

Molecular and functional diversity of non-histone protein fraction NHCP1 from hamster Kirkman-Robbins hepatoma and liver. Kiliańska Z, et al. **Mol Cell Biochem** 1986 Aug; 71(2):167–75

[Comparison of the DNA and restriction DNA fragments of the rat liver and hepatoma BERH-2] Zhang YY, et al. **Shih Yen Sheng Wu Hsueh Pao** 1986 Dec;19(4):481–7 (Eng. Abstr.) **(Chi)**

[Proteins from nuclear fractions with different contents of active genes] Mironov NM, et al. **Biokhimiia** 1987 Apr; 52(4):615–24 (Eng. Abstr.) **(Rus)**

BLOOD

Abnormal prothrombin in the plasma of rats carrying hepatic tumors. Shah DV, et al. **Blood** 1987 Mar;69(3):850–4

BLOOD SUPPLY

[Intravital observations on the development of the tumor vascular system in rats] Hori K, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):961–70 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Cellular events during hepatocarcinogenesis in rats and the question of premalignancy. Sell S, et al. **Adv Cancer Res** 1987;48:37–111 (380 ref.)

Uses of gamma-glutamyltransferase in experimental toxicology. Braun JP, et al. **Adv Vet Sci Comp Med** 1987; 31:151–72 (251 ref.)

Liver tumors in rodents: extrapolation to man. Roe FJ. **Adv Vet Sci Comp Med** 1987;31:45–68 (89 ref.)

Dose-response of promotion by polychlorinated biphenyls and chloroform in rat liver foci bioassay. Deml E, et al. **Arch Toxicol** 1987;60(1–3):209–11

Expression and inducibility of drug-metabolizing enzymes in preneoplastic and neoplastic lesions of rat liver during nitrosamine-induced hepatocarcinogenesis. Kunz HW, et al. **Arch Toxicol** 1987;60(1–3):198–203

Initiation and promotion in hepatocarcinogenesis. Schulte-Hermann R. **Arch Toxicol** 1987;60(1–3):179–81 (18 ref.)

Investigations on the mechanism of liver tumour induction by peroxisome proliferators. Bentley P, et al. **Arch Toxicol [Suppl]** 1987;10:157–61

Species differences of glucuronidation and sulfation in relation to hepatocarcinogenesis. Bock KW, et al. **Arch Toxicol [Suppl]** 1987;10:125–35

Pharmacokinetic factors and their implication in the induction of mouse liver tumors by halogenated hydrocarbons. Bolt HM. **Arch Toxicol [Suppl]** 1987; 10:190–203 (61 ref.)

The mouse in safety evaluation. Doull J. **Arch Toxicol [Suppl]** 1987;10:3–9

Pathogenesis of experimental liver cancer: comparison with humans. Farber E. **Arch Toxicol [Suppl]** 1987;10:281–8 (30 ref.)

Liver lesions in B6C3F1 mice: the National Toxicology Program, experience and position. Maronpot RR, et al. **Arch Toxicol [Suppl]** 1987;10:10–26 (32 ref.)

Sex hormones and neoplasia: liver tumors in rodents. Metzler M, et al. **Arch Toxicol [Suppl]** 1987;10:251–63 (61 ref.)

Xenobiotic-induced peroxisome proliferation: role of tissue specificity and species differences in response in the evaluation of the implications for human health. Reddy JK, et al. **Arch Toxicol [Suppl]** 1987;10:43–53 (48 ref.)

Experimental liver tumours in animals. Grasso P. **Baillieres Clin Gastroenterol** 1987 Jan;1(1):183–205 (82 ref.)

Effects of an initiation-promotion-initiation protocol on the liver carcinogenesis in the one day old rat. Saviozzi M, et al. **Boll Soc Ital Biol Sper** 1987 Feb 28;63(2):167–70

Polychlorinated biphenyls, classified as either phenobarbital- or 3-methylcholanthrene-type inducers of cytochrome P-450, are both hepatic tumor promoters in diethylnitrosamine-initiated rats. Buchmann A, et al. **Cancer Lett** 1986 Sep;32(3):243–53

Enhancing effect of 2,3,4,7,8-pentachlorodibenzofuran and 1,2,3,4,7,8-hexachlorodibenzofuran on diethylnitrosamine hepatocarcinogenesis in rats. Nishizumi M, et al. **Cancer Lett** 1986 Dec;33(3):333–9

Dose-response relationship of phenobarbital promotion of diethylnitrosamine initiated tumors in rat liver. Pereira MA, et al. **Cancer Lett** 1986 Sep;32(3):305–11

Induction of heat shock gene expression without heat shock by hepatocarcinogens and during hepatic regeneration in rat liver. Carr BI, et al. **Cancer Res** 1986 Oct;46(10):5106–11

Cell cycle-dependent initiation of hepatocarcinogenesis in rats by (+/-)-7r,8t-dihydroxy-9t,10t-epoxy-7,8,9,10-tetrahydrobenzo(a)py rene. Kaufmann WK, et al. **Cancer Res** 1987 Jul 15;47(14):3771–5

Cell cycle-dependent initiation of hepatocarcinogenesis in rats by methyl(acetoxymethyl)nitrosamine. Kaufmann WK, et al. **Cancer Res** 1987 Mar 1;47(5):1263–6

Metabolic basis for the protective effect of the antioxidant ethoxyquin on aflatoxin B1 hepatocarcinogenesis in the rat. Mandel HG, et al. **Cancer Res** 1987 Oct 1;47(19):5218–23

Dose-response studies on the effects of alpha-, beta-, and gamma-hexachlorocyclohexane on putative preneoplastic foci, monooxygenases, and growth in rat liver. Schröter

C, et al. **Cancer Res** 1987 Jan 1;47(1):80–8
Structure–activity studies of the hepatocarcinogenicities of alkenylbenzene derivatives related to estragole and safrole on administration to preweanling male C57BL/6J x C3H/HeJ F1 mice. Wiseman RW, et al. **Cancer Res** 1987 May 1;47(9):2275–83
Inhibition by pentachlorophenol of the initiating and promoting activities of 1'-hydroxysafrole for the formation of enzyme-altered foci and tumors in rat liver. Boberg EW, et al. **Carcinogenesis** 1987 Apr;8(4):531–9
Failure of mitogen-induced cell proliferation to achieve initiation of rat liver carcinogenesis. Columbano A, et al. **Carcinogenesis** 1987 Feb;8(2):345–7
Enhancing effect of co-administration of polychlorinated biphenyls and diethylnitrosamine on enzyme-altered islands induced by diethylnitrosamine in rat liver. Deml E, et al. **Carcinogenesis** 1986 Oct;7(10):1697–700
Genetic control of hepatocarcinogenesis in C57BL/6J and C3H/HeJ inbred mice. Drinkwater NR, et al. **Carcinogenesis** 1986 Oct;7(10):1701–7
Simple elementary method for the quantification of focal liver lesions induced by carcinogens. Enzmann H, et al. **Carcinogenesis** 1987 Feb;8(2):231–5
Di(2-ethylhexyl)phthalate: lack of initiating activity in the liver of female F-344 rats. Garvey LK, et al. **Carcinogenesis** 1987 Feb;8(2):285–90
Investigations on the carcinogenicity of fusarin C—a mutagenic metabolite of Fusarium moniliforme. Gelderblom WC, et al. **Carcinogenesis** 1986 Nov; 7(11):1899–901
The effect of diet on 2,6-dinitrotoluene hepatocarcinogenesis. Goldsworthy TL, et al. **Carcinogenesis** 1986 Nov; 7(11):1909–15
The phenotypic stability of altered hepatic foci: effects of withdrawal and subsequent readministration of phenobarbital. Hendrich S, et al. **Carcinogenesis** 1986 Dec; 7(12):2041–5
Sequential study on the synergistic effects of 2,2',4,4',5,5'-hexabromobiphenyl and 3,3',4,4',5,5'-hexabromobiphenyl on hepatic tumor promotion. Jensen RK, et al. **Carcinogenesis** 1986 Oct; 7(10):1771–4
Reciprocal modifying effects of isomeric forms of aminophenol on induction of neoplastic lesions in rat liver and kidney initiated by N-ethyl-N-hydroxyethylnitrosamine. Kurata Y, et al. **Carcinogenesis** 1987 Sep;8(9):1281–5
Dinitrotoluene isomer-specific enhancement of the expression of diethylnitrosamine-initiated hepatocyte foci. Leonard TB, et al. **Carcinogenesis** 1986 Nov;7(11):1797–803
Induction of hepatocellular carcinoma and highly metastatic squamous cell carcinomas in the forestomach of mice by feeding 2-amino-3,4-dimethylimidazo[4,5-f]quinoline. Ohgaki H, et al. **Carcinogenesis** 1986 Nov;7(11):1889–93
Influence of the duration and the delay of administration of phenobarbital on its modulating effect on rat hepatocarcinogenesis. Préat V, et al. **Carcinogenesis** 1987 Feb;8(2):333–5
Peroxisome proliferation and hepatocarcinogenesis. Rao MS, et al. **Carcinogenesis** 1987 May;8(5):631–6 (104 ref.)
Facilitated expression of adaptive responses to phenobarbital in putative pre-stages of liver cancer. Schulte-Hermann R, et al. **Carcinogenesis** 1986 Oct;7(10):1651–5
Enhancement of dimethylnitrosamine-initiated hepatocarcinogenesis in hamsters by subsequent administration of carbon tetrachloride but not phenobarbital or p,p'-dichlorodiphenyltrichloroethane. Tanaka T, et al. **Carcinogenesis** 1987 Sep;8(9):1171–8
The kinetics of nuclear polyploidization and tumour formation in livers of CF-1 mice exposed to dieldrin. van Ravenzwaay B, et al. **Carcinogenesis** 1987 Feb;8(2):265–9
Lack of rapid initiating, promoting or sequential syncarcinogenic effects of di(2-ethylhexyl)phthalate in rat liver carcinogenesis. Williams GM, et al. **Carcinogenesis** 1987 Jul;8(7):875–80
Amplified response to phenobarbital promotion of hepatotumorigenesis in obese yellow Avy/A (C3H x VY) F-1 hybrid mice. Wolff GL, et al. **Carcinogenesis** 1986 Nov; 7(11):1895–8
Susceptible and resistant subgroups in genetically identical populations: response of mouse liver neoplasia and body weight to phenobarbital. Wolff GL, et al. **Carcinogenesis** 1986 Nov;7(11):1935–7
The metabolic sulfonation and side-chain oxidation of 3'-hydroxyisosafrole in the mouse and its inactivity as a hepatocarcinogen relative to 1'-hydroxysafrole. Boberg EW, et al. **Chem Biol Interact** 1986 Jul–Aug;59(1):73–97
Enhancement of the hepatotoxicity of chloroform in B6C3F1 mice by corn oil: implications for chloroform carcinogenesis. Bull RJ, et al. **Environ Health Perspect** 1986 Nov;69:49–58
Carcinogenicity of by-products of disinfection in mouse and rat liver. Herren-Freund SL, et al. **Environ Health Perspect** 1986 Nov;69:59–65 (55 ref.)
Biochemical effects of two promoters of hepatocarcinogenesis in rats. Kitchin KT, et al. **Food Chem Toxicol** 1987 Aug;25(8):603–7
Are there local room effects on hepatic tumors in male mice? An examination of the NTP eugenol study. Young SS. **Fundam Appl Toxicol** 1987 Jan;8(1):1–4
Bioassays for carcinogenicity in animals. Early preneoplastic lesions. Bannasch P, et al. **IARC Sci Publ** 1986;(83):85–101 (120 ref.)
The effects of continued versus discontinued administration of 2-acetylaminofluorene on the morphology and behavior of hepatocellular and urinary bladder tumors in mice. Frith CH, et al. **J Environ Pathol Toxicol Oncol** 1986 Sep–Dec; 7(1–2):17–23
Dietary protein level and aflatoxin B1-induced preneoplastic hepatic lesions in the rat. Dunaif GE, et al. **J Nutr** 1987 Jul;117(7):1298–302
Statistical analysis of a carcinogen mixture experiment. I. Liver carcinogens. Elashoff RM, et al. **JNCI** 1987 Sep; 79(3):509–26
Relationship between anaphase aberrations and carcinogenicity in the trout embryo microinjection assay. Metcalfe CD, et al. **JNCI** 1986 Dec;77(6):1299–302
Peroxisome proliferator-induced hepatocarcinogenesis: histochemical analysis of ciprofibrate-induced preneoplastic and neoplastic lesions for gamma-glutamyl transpeptidase activity. Rao MS, et al. **JNCI** 1986 Oct; 77(4):951–6
Modifying effects of butylated hydroxyanisole, di(2-ethylhexyl)phthalate or indomethacin on mouse hepatocarcinogenesis initiated by N-nitrosodiethylamine. Hagiwara A, et al. **Jpn J Cancer Res** 1986 Dec; 77(12):1215–21
Induction of hepatic tumors by diethylstilbestrol in N-nitrosobutylurea-initiated female rats. Inoh A, et al. **Jpn J Cancer Res** 1987 Feb;78(2):134–8
Carcinogenicity of chrysazin in large intestine and liver of mice. Mori H, et al. **Jpn J Cancer Res** 1986 Sep;77(9):871–6
Induction of tumors in the liver, urinary bladder, esophagus and forestomach by short-term treatment with different doses of N,N'-dibutylnitrosamine in rats. Tsuda H, et al. **Jpn J Cancer Res** 1987 Mar;78(3):227–34
Induction of gamma-glutamyltranspeptidase-positive foci in rat liver by deoxycholic acid. Ura H, et al. **Jpn J Cancer Res** 1987 Mar;78(3):216–8
Liver cell cancer: insights into the pathogenesis of hepatocellular carcinoma in humans from experimental hepatocarcinogenesis in the rat. Farber E. **Monogr Pathol** 1987;(28):199–222 (105 ref.)
Chemical carcinogenesis: the liver as a model. Farber E, et al. **Pathol Immunopathol Res** 1986;5(1):1–28 (115 ref.)
Studies on the mechanism of acetamide hepatocarcinogenicity. Dybing E, et al. **Pharmacol Toxicol** 1987 Jan;60(1):9–16
Ovarian function during aflatoxin B1-induced hepatocarcinogenesis in the rat. Castelli D, et al. **Res Commun Chem Pathol Pharmacol** 1986 Aug; 53(2):183–94
Lack of effect of phenobarbital on hepatocellular carcinogenesis initiated by N-nitrosodiethylamine or methylazoxymethanol acetate in male Syrian golden hamsters. Diwan BA, et al. **Toxicol Appl Pharmacol** 1986 Nov;86(2):298–307
The carcinogenicity of trichloroethylene and its metabolites, trichloroacetic acid and dichloroacetic acid, in mouse liver. Herren-Freund SL, et al. **Toxicol Appl Pharmacol** 1987 Sep 15;90(2):183–9
The potential role of chemically induced hyperplasia in the carcinogenic activity of the hypolipidemic carcinogens. Butterworth BE, et al. **Toxicol Ind Health** 1987 Jun; 3(2):129–49 (102 ref.)
Mechanisms of rodent liver carcinogenesis. Michalopoulos GK, et al. **Toxicol Ind Health** 1987 Jun;3(2):119–28 (27 ref.)
Mouse liver tumor data: assessment of carcinogenic activity. Pereira MA. **Toxicol Ind Health** 1985 Dec;1(4):311–33
In vivo studies on the mechanism of di(2-ethylhexyl)phthalate carcinogenesis. Popp JA, et al. **Toxicol Ind Health** 1987 Jun;3(2):151–63 (35 ref.)
Agents and processes in chemical carcinogenesis. Third Sardinian International Symposium. Cagliari, Italy, October 6–9, 1985. Proceedings. **Toxicol Pathol** 1987; 15(1):27–119
Agents and processes in chemical carcinogenesis. Third Sardinian International Symposium. Cagliari, Italy, October 6–9, 1985. Symposium papers. **Toxicol Pathol** 1987; 15(2):164–258
Agents and processes in chemical carcinogenesis. Third Sardinian International Symposium. Cagliari, Italy, October 6–9, 1985. Symposium papers. **Toxicol Pathol** 1986; 14(4):404–92
Promoting and anticarcinogenic effects of phenobarbital and DDT in the rat hepatocarcinogenesis. Kitagawa T. **Toxicol Pathol** 1986;14(3):309–14
Characterization of the promoting activity of thiobenzamide on liver carcinogenesis. Malvaldi G, et al. **Toxicol Pathol** 1986;14(3):370–4
Placental glutathione S-transferase (GST-P) as a new marker for hepatocarcinogenesis: in vivo short-term screening for hepatocarcinogens. Tatematsu M, et al. **Toxicol Pathol** 1987;15(1):t -8
Di-n-octyl phthalate (DOP), a relatively ineffective peroxisome inducing straight chain isomer of the environmental contaminant di(2-ethylhexyl)phthalate (DEHP), enhances the development of putative preneoplastic lesions in rat liver. DeAngelo AB, et al. **Toxicology** 1986 Nov;41(3):279–88
[Increase in a protein of Mr 53000 in the initiation-promotion system of chemical carcinogenesis in rat liver] Zheng S, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Dec;8(6):494–7 (Eng. Abstr.) **(Chi)**
[Ethinyl estradiol and hepatocarcinogenesis. An experimental study] de Heer K, et al. **Langenbecks Arch Chir** 1987; 370(3):163–71 (Eng. Abstr.) **(Ger)**
[The initiation-promotion-initiation protocol in experimental liver carcinogenesis] Saviozzi M, et al. **Boll Soc Ital Biol Sper** 1987 Feb 28;63(2):171–5 (Eng. Abstr.) **(Ita)**
[Promotive effect of estrogen on hepatocarcinogenesis in rats: the effect of tamoxifen and changes in estrogen receptors] Kohigashi K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 May;84(5):1097–102 (Eng. Abstr.) **(Jpn)**
[Sensitivity of rat hepatocytes to phenobarbital after a single dose of N-nitrosodiethylamine in the embryonal and postnatal period or after partial hepatectomy] Vinarchuk MP, et al. **Eksp Onkol** 1987;9(1):9–11 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Effects of dietary methionine, cystine, and glycine on endogenous hypercholesterolemia in hepatoma-bearing rats. Yagasaki K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Dec;32(6):643–51
[Interference of polyester inflammation on the development of Yoshida ascites hepatoma in the rat. III. Effect of variations in time and inoculation size] Ventrelli I, et al. **Boll Soc Ital Biol Sper** 1986 Aug 30;62(8):985–92 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

A rat model of liver cancer for imaging research. Saini S, et al. **Invest Radiol** 1987 Feb;22(2):149–52

DRUG THERAPY

Tumor targeting by arterial administration of lipids: rabbit model with VX2 carcinoma in the liver. Iwai K, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):321–7
Mouse erythrocyte carriers osmotically loaded with methotrexate. Kruse CA, et al. **Biotechnol Appl Biochem** 1987 Apr;9(2):123–40
The effects of N-methylformamide on artificial and spontaneous metastases from a murine hepatocarcinoma. Tofilon PJ, et al. **Br J Cancer** 1987 Mar;55(3):239–43
Nucleolar protein B23 translocation after doxorubicin treatment in murine tumor cells. Chan PK, et al. **Cancer Res** 1987 Jul 15;47(14):3798–801
Nafoxidine possesses antitumor activity against an ascitic hepatoma. Khar A. **Eur J Cancer Clin Oncol** 1986 Dec; 22(12):1475–8
Effects of o-phenanthroline, 2,2'-dipyridyl and neocuproine on the activities of bleomycin to inhibit DNA synthesis and growth of cultured cells. Takahashi K, et al. **J Antibiot (Tokyo)** 1986 Oct;39(10):1473–8
Antitumor effect of human necrosis factor on human hepatoma cells PLC/PRF/5. Motoo Y, et al. **Jpn J Exp Med** 1986 Aug;56(4):151–4
[Mechanism of cell damage by hematoporphyrin derivatives (HPD) plus light—I. Photooxidation of hepatoma cell membrane by HPD plus light] Chen YQ, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Nov;8(6):413–6 (Eng. Abstr.) **(Chi)**
[Experimental study of an anticancer drug delivery system using polylactic acid] Yamashita R. **Nippon Geka Gakkai Zasshi** 1987 Apr;88(4):401–12 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Induction of glucose 6-phosphatase in cultured hepatoma cells by dexamethasone. Garland RC. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1130–4
Increased messenger RNA concentration for carbamoyl-phosphate synthase II in hepatoma 3924A. Reardon MA, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):494–500
Identification of a characteristic cytosolic polypeptide of rat preneoplastic hepatocyte nodules as placental glutathione S-transferase. Rushmore TH, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):98–103
Tissue distribution of rat glutathione transferase subunit 7, a hepatoma marker. Pemble SE, et al. **Biochem J** 1986 Dec 15;240(3):885–9
Hexokinase isoenzymes from the Novikoff hepatoma. Purification, kinetic and structural characterization, with emphasis on hexokinase C. Radojković J, et al. **Biochem J** 1987 Mar 15;242(3):895–903
Serum activities of dipeptidyl-aminopeptidase II and dipeptidyl-aminopeptidase IV in tumor-bearing animals and in cancer patients. Kojima K, et al. **Biochem Med Metab Biol** 1987 Feb;37(1):35–41
Characterization of the intracellular processing and secretion of hepatic lipase in FU5AH rat hepatoma cells. Cisar LA, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):305–14
Biosynthesis of glycerolipids by hepatoma and liver microsomes. I. Fatty acyl-CoA ligase and acyl-CoA:sn-glycerol-3-phosphate acyltransferase. Harvey BE, et al. **Biochim Biophys Acta** 1987 Feb 14; 917(2):247–57
Galactosyltransferase: multiple forms in serum of normal and hepatoma Mc-29 bearing chickens and from liver and hepatoma microsomal and plasma membrane preparations.

Ivanov S, et al. **Cancer Biochem Biophys** 1986 Dec; 9(1):41–51

Ornithine decarboxylase lability in 2 transplantable highly deviated rat hepatomas. Zuretti MF, et al. **Cancer Lett** 1987 Jul;36(1):35–43

Enzymes of glutathione metabolism as biochemical markers during hepatocarcinogenesis. Hendrich S, et al. **Cancer Metastasis Rev** 1987;6(2):155–78 (208 ref.)

Development of cytochrome P-450-altered preneoplastic and neoplastic lesions during nitrosamine-induced hepatocarcinogenesis in the rat. Buchmann A, et al. **Cancer Res** 1987 Jun 1;47(11):2911–8

Analysis of peroxisome proliferator-induced preneoplastic and neoplastic lesions of rat liver for placental form of glutathione S-transferase and gamma-glutamyltranspeptidase. Rao MS, et al. **Cancer Res** 1986 Oct;46(10):5287–90

The O6-methylguanine-DNA-methyltransferase activity of rat hepatoma cells is increased after a single exposure to alkylating agents. Frosina G, et al. **Carcinogenesis** 1987 Jan; 8(1):91–5

Quantitative stereological evaluation of four histochemical markers of altered foci in multistage hepatocarcinogenesis in the rat. Hendrich S, et al. **Carcinogenesis** 1987 Sep; 8(9):1245–50

Changes in aldehyde dehydrogenase activity during diethylnitrosamine-initiated rat hepatocarcinogenesis. Lindahl R, et al. **Carcinogenesis** 1987 Jun;8(6):785–90

Absence of gamma-glutamyl transpeptidase activity in neoplastic lesions induced in the liver of male F-344 rats by di-(2-ethylhexyl)phthalate, a peroxisome proliferator. Rao MS, et al. **Carcinogenesis** 1987 Sep;8(9):1347–50

Peroxisome proliferator-induced hepatocarcinogenesis: levels of activating and detoxifying enzymes in hepatocellular carcinomas induced by ciprofibrate. Rao MS, et al. **Carcinogenesis** 1987 Jan;8(1):19–23

Phenobarbital induction of cytochrome P-450 in normal and preneoplastic rat liver: comparison of enzyme and mRNA expression as detected by immunohistochemistry and in situ hybridization. Schwarz M, et al. **Carcinogenesis** 1987 Sep; 8(9):1355–7

Persistent effect of a low dose of preadministered diethylnitrosamine on the induction of enzyme-altered foci in rat liver. Takahashi S, et al. **Carcinogenesis** 1987 Apr; 8(4):509–13

Immunohistochemically demonstrated altered expression of cytochrome P-450 molecular forms and epoxide hydrolase in N-ethyl-N-hydroxyethylnitrosamine-induced rat kidney and liver lesions. Tsuda H, et al. **Carcinogenesis** 1987 May;8(5):711–7

Suppression by methionine and choline of onco-fetal patterns of liver tRNA methyltransferase activities in carcinogen-treated rats. Wainfan E, et al. **Carcinogenesis** 1987 Apr;8(4):615–7

The clonal nature of carcinogen-induced altered foci of gamma-glutamyl transpeptidase expression in rat liver. Weinberg WC, et al. **Carcinogenesis** 1987 Apr;8(4):565–70

Hormonal regulation of carbamoyl-phosphate synthetase I synthesis in primary cultured hepatocytes and Reuber hepatoma H-35. Defective regulation in hepatoma cells. Kitagawa Y. **Eur J Biochem** 1987 Aug 17;167(1):19–25

Biosynthesis of polylactosaminoglycans. Novikoff ascites tumor cells contain two UDP-GlcNAc:beta-galactoside beta 1——6-N-acetylglucosaminyltransferase activities. Koenderman AH, et al. **Eur J Biochem** 1987 Jul 1; 166(1):199–208

Molecular cloning and expression of rat aldolase C messenger RNA during development and hepatocarcinogenesis. Skala H, et al. **Eur J Biochem** 1987 Mar 16;163(3):513–8

The effect of the natural protein inhibitor on H+-ATPase hepatoma 22a mitochondria. Chernyak BV, et al. **FEBS Lett** 1987 May 11;215(2):300–4

Anti-carcinogenic effects of a serine protease inhibitor (FOY-305) through the suppression of neutral serine protease activity during chemical hepatocarcinogenesis in rats. Yamauchi Y, et al. **Hiroshima J Med Sci** 1987 Mar; 36(1):81–7

Mechanism and quantitative contribution of the pentose pathway to the glucose metabolism of Morris hepatoma 5123C. Arora KK, et al. **Int J Biochem** 1987;19(2):133–46

A characterization of gamma-glutamyltranspeptidase in normal, perinatal, premalignant and malignant rat liver. Sulakhe SJ, et al. **Int J Biochem** 1987;19(1):23–32

Partial purification and characterization of serum protease from tumor-bearing rats which cleaves type IV collagen. Ishihara A, et al. **Invasion Metastasis** 1986;6(4):225–45

The effect of phorbol esters and diacylglycerol on expression of the phosphoenolpyruvate carboxykinase (GTP) gene in rat hepatoma H4IIE cells. Chu DT, et al. **J Biol Chem** 1986 Dec 25;261(36):16848–53

Activation of alkaline phosphatase with Mg2+ and Zn2+ in rat hepatoma cells. Accumulation of apoenzyme. Sorimachi K. **J Biol Chem** 1987 Feb 5;262(4):1535–41

Ca2+-dependent cell surface protein phosphorylation may be involved in the initiation of DNA synthesis. Kleine LP, et al. **J Cell Physiol** 1986 Dec;129(3):303–9

Detection of mRNAs present at low concentrations in rat liver by in situ hybridization: application to the study of metabolic regulation and azo dye hepatocarcinogenesis. Lamas E, et al. **J Histochem Cytochem** 1987 May; 35(5):559–63

The action of mitomycin C on the induction of cyclic AMP phosphodiesterase and the development of desensitization of adenylate cyclase by isoproterenol in rat ascites hepatoma AH130 cells. Matsunaga T, et al. **J Pharmacobiodyn** 1986 Sep;9(9):771–7

Effect of mitomycin C on the activation of adenylate cyclase in rat ascites hepatoma AH130 cells. Miyamoto K, et al. **J Pharmacobiodyn** 1986 Sep;9(9):778–82

Studies on responsiveness of hepatoma cells to catecholamines. IV. Lack of adrenergic activation of phosphorylase in rat ascites hepatoma cells. Miyamoto K, et al. **Jpn J Pharmacol** 1986 Oct;42(2):317–20

Studies on responsiveness of hepatoma cells to catecholamines. III. Difference between the receptor-adenylate cyclase regulating systems in AH130 cells and cultured normal rat liver cells. Sanae F, et al. **Jpn J Pharmacol** 1986 Oct;42(2):281–8

Examination of enzyme-altered foci with gamma-glutamyl transpeptidase, aldehyde dehydrogenase, glucose-6-phosphate dehydrogenase, and other markers in methacrylate-embedded liver. Pretlow TP, et al. **Lab Invest** 1987 Jan;56(1):96–100

Purification of IMP dehydrogenase from rat hepatoma 3924A. Ikegami T, et al. **Life Sci** 1987 Jun 8;40(23):2277–82

Long term regulation of glycogen metabolizing enzymes by insulin in H4 hepatoma cells. Goheer MA, et al. **Mol Cell Biochem** 1987 Jun;75(2):137–49

Simultaneous expression of salivary and pancreatic amylase genes in cultured mouse hepatoma cells. Darlington GJ, et al. **Mol Cell Biol** 1986 Apr;6(4):969–75

Molecular cloning of cDNA for rat argininosuccinate lyase and its expression in rat hepatoma cell lines. Lambert MA, et al. **Mol Cell Biol** 1986 May;6(5):1722–8

Identification of a cDNA encoding the tumor-associated aldehyde dehydrogenase of rat liver. Jones DE Jr, et al. **Prog Clin Biol Res** 1987;232:127–33

Characterization of alcohol dehydrogenase from cultured rat hepatoma (HTC) cells. Plapp BV, et al. **Prog Clin Biol Res** 1987;232:203–15

Benzaldehyde: NADP aldehyde dehydrogenase activity in hepatocyte nodules, hepatocellular carcinomas and drug-induced rat liver. Ritter E, et al. **Prog Clin Biol Res** 1987;232:149–64

Induction of a novel Ca2+-dependent serine protease in rat liver treated with various promoters of liver carcinogenesis. Enomoto K, et al. **Toxicol Pathol** 1987;15(1):73–7

Biochemical properties of carcinogen-metabolizing enzymes in cultured hepatoma cells. Ferro M, et al. **Toxicol Pathol** 1987;15(1):97–102

Immunochemical studies of microsomal membranes of rat preneoplastic and neoplastic hepatocytes. Ogawa K, et al. **Toxicol Pathol** 1987;15(1):69–72

Cloning of a cDNA encoding the rat placental glutathione S-transferase: overproduction of the mRNA in hepatocellular carcinomas. Knoll BJ, et al. **Tumour Biol** 1986;7(2-3):123–35

Expression and regulation of glycogen phosphorylase in preneoplastic and neoplastic hepatic lesions in rats. Seelmann-Eggebert G, et al. **Virchows Arch [B]** 1987; 53(1):44–51

[Level of cyclic AMP-dependent protein kinase isozyme in normal liver and hepatoma tissue and the effect of sodium selenite] Liu QY, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Sep;8(5):339–41 (Eng. Abstr.) **(Chi)**

[Studies on the mechanism of carcinogenesis. VIII. Purification of ornithine carbamyl transferase in the rat liver and immunochemical titration of the enzyme during carcinogenesis] Li S, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Aug; 8(4):297–300 (Eng. Abstr.) **(Chi)**

[Marker enzymes for processes in chemical carcinogenesis, with special reference to glutathione S-transferases] Sato K. **Tanpakushitsu Kakusan Koso** 1986 Aug;31(10):921–6 **(Jpn)**

ETIOLOGY

Nutritional and dietary influences on liver tumorigenesis in mice and rats. Rogers AE, et al. **Arch Toxicol [Suppl]** 1987; 10:231–43 (57 ref.)

Growth in culture and tumorigenicity after transfection with the ras oncogene of liver epithelial cells from carcinogen-treated rats. Braun L, et al. **Cancer Res** 1987 Aug 1;47(15):4116–24

Dietary modulation of rat liver carcinogenesis. de Gerlache J, et al. **Carcinogenesis** 1987 Feb;8(2):337–40

alpha-Fetoprotein gene methylation and hepatocarcinogenesis in rats fed a choline-devoid diet. Locker J, et al. **Carcinogenesis** 1987 Feb;8(2):241–6

Effects of separate and combined treatments with gamma radiation and diethylnitrosamine in neonatal rats on the induction of altered hepatocyte foci and hepatic tumors. Peraino C, et al. **Carcinogenesis** 1987 Apr;8(4):599–600

A choline-devoid diet, carcinogenic in the rat, induces DNA damage and repair. Rushmore TH, et al. **Carcinogenesis** 1986 Oct;7(10):1677–80

Enhancement of DEN-induced hepatocellular nodule development by Opisthorchis viverrini infection in Syrian golden hamsters. Thamavit W, et al. **Carcinogenesis** 1987 Sep;8(9):1351–3

Enhancing effects of rodent malaria on aflatoxin B1-induced hepatic neoplasia. Angsubhakorn S, et al. **J Cancer Res Clin Oncol** 1986;112(2):177–9

Radiation-induced mouse liver neoplasms and hepatocyte survival. Di Majo V, et al. **JNCI** 1986 Oct;77(4):933–9

Significance of immune responses to mucosal carcinogens: a hypothesis and a workable model system. Keren DF, et al. **Pathol Immunopathol Res** 1986;5(3-5):265–77

Free radical injury and liver tumor promotion. Perera MI, et al. **Toxicol Pathol** 1987;15(1):51–9 (47 ref.)

FAMILIAL & GENETIC

Tissue-specific expression of hepatic functions. Genetic aspects. Chin AC, et al. **Ann NY Acad Sci** 1986;478:120–30

Activation of a cellular proto-oncogene in spontaneous liver tumor tissue of the B6C3F1 mouse. Fox TR, et al. **Arch Toxicol [Suppl]** 1987;10:217–27

DNA-mediated restoration of aryl hydrocarbon hydroxylase induction in a mouse hepatoma mutant defective in nuclear translocation of the Ah receptor. Kärenlampi SO, et al. **Arch Toxicol [Suppl]** 1986;9:159–62

The expressions of oncogenes and liver-specific genes in Morris hepatomas. Cote GJ, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):624–9

Methylation of the alpha-fetoprotein gene in isogenic rat hepatoma and liver cell lines. Sakuma K, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):447–53

A systematic survey of repetitive sequences abundantly expressed in rat tumors. Kohnoe S, et al. **Biochim Biophys Acta** 1987 Jul 14;909(2):107–14

Mutagenicity, unscheduled DNA synthesis, and metabolism of 1-nitropyrene in the human hepatoma cell line HepG2. Eddy EP, et al. **Cancer Res** 1987 Jun 15;47(12):3163–8

Expression of retroviral sequences and oncogenes in rat liver tumors induced by diethylnitrosamine. Hsieh LL, et al. **Cancer Res** 1987 Jul 1;47(13):3421–4

Hepatoma variants (C2) are defective for transcriptional and post-transcriptional actions from both endogenous and viral genomes. Friedman JM, et al. **EMBO J** 1987 Jun; 6(6):1727–31

Genetic susceptibility to murine hepatocarcinogenesis is associated with high growth rate of NDEA-initiated hepatocytes. Dragani TA, et al. **J Cancer Res Clin Oncol** 1987;113(3):223–9

Activation of N-ras gene in a rat hepatocellular carcinoma induced by dibutylnitrosamine and butylated hydroxytoluene. Funato T, et al. **Jpn J Cancer Res** 1987 Jul;78(7):689–94

Glucocorticoid-regulated compartmentalization of cell surface-associated glycoproteins in rat hepatoma cells: evidence for an independent response that requires receptor function and de novo RNA synthesis. Haffar OK, et al. **Mol Cell Biol** 1987 Apr;7(4):1508–17

Albumin and alpha-fetoprotein gene transcription in rat hepatoma cell lines is correlated with specific DNA hypomethylation and altered chromatin structure in the 5' region. Tratner I, et al. **Mol Cell Biol** 1987 May; 7(5):1856–64

Characterization of c-Ki-ras oncogene alleles by direct sequencing of enzymatically amplified DNA from carcinogen-induced tumors. McMahon G, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4974–8

Changes in cellular ploidy and autophagic responsiveness during rat liver carcinogenesis. Seglen PO, et al. **Toxicol Pathol** 1986;14(3):342–8

[Inhibitory effect of chromatin peptides on the transcription of DNA and nuclei of the normal rat liver and hepatoma] Li S, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Aug; 8(4):301–5 (Eng. Abstr.) **(Chi)**

[Comparison of the hybridization patterns obtained from labelled RNA with Southern blotted restriction fragments of DNAs from the rat liver and hepatoma] Zhang YY, et al. **Shih Yen Sheng Wu Hsueh Pao** 1987 Mar;20(1):47–52 (Eng. Abstr.) **(Chi)**

[Expression of myc oncogene in estrogen promoted rat hepatic tumor—comparison with anti-estrogen treated liver] Himeno Y. **Nippon Shokakibyo Gakkai Zasshi** 1987 Mar;84(3):772 **(Jpn)**

[Ploidy level and alpha-fetoprotein production in spontaneous murine hematomas in relation to the degree of histological differentiation] Faktor VM, et al. **Biull Eksp Biol Med** 1987 May;103(5):608–10 (Eng. Abstr.) **(Rus)**

[Change in the initiation of DNA synthesis on the nuclear matrix and its DNA-protein composition in gamma-irradiated hepatoma cells] Kutsyi MP, et al. **Radiobiologiia** 1986 Sep-Oct;26(5):668–71 (Eng. Abstr.) **(Rus)**

[Relation of the poly(ADP-ribosylation) of proteins to the formation and repair of DNA single-strand breaks in gamma-irradiated permeable Zajdela hepatoma cells] Namvar RA, et al. **Radiobiologiia** 1986 Sep-Oct;26(5):664–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

The role of tumor-specific Lyt-1+2- T cells in eradicating tumor cells in vivo. II. Lyt-1+2- T cells have potential to reject antigenically irrelevant (bystander) tumor cells on activation with the specific target tumor cells. Yoshioka T, et al. **Cancer Immunol Immunother** 1987;24(1):8–12

Complete regression of mouse hepatoma transplanted after partial hepatectomy and the immunological mechanism of such regression. Ono M, et al. **Cancer Res** 1986 Oct;

46(10):5049–53

Monoclonal antibodies against antigens expressed on human hepatocellular carcinoma cells. Hu CP, et al. **Hepatology** 1986 Nov–Dec;6(6):1396–402

Synthetic peptides from the circumsporozoite proteins of Plasmodium falciparum and Plasmodium knowlesi recognize the human hepatoma cell line HepG2–A16 in vitro. Aley SB, et al. **J Exp Med** 1986 Dec 1;164(6):1915–22

Effect of cerulenin, an inhibitor of fatty acid synthesis, on the immune cytolysis of tumor cells. Fujii Y, et al. **Jpn J Exp Med** 1986 Jun;56(3):99–106

Activated macrophage–mediated cytotoxicity: use of the in vitro cytotoxicity assay for study of bioenergetic and biochemical changes that develop in tumor target cells. Hibbs JB Jr, et al. **Methods Enzymol** 1986;132:508–20

Animal experiments on the role of T lymphocytes in the course of antineoplastic chemotherapy. II. Chemotherapy and T lymphocyte depression. Bier H. **ORL J Otorhinolaryngol Relat Spec** 1987;49(2):57–66

[Ultrastructural characteristics of the regression of a Novikoff hepatoma transplanted into immunized rats] Babaĭ F, et al. **Ann Pathol** 1986;6(4–5):305–12 (Eng. Abstr.) **(Fre)**

[Antitumor effect of PSK (2): effector mechanism of the antimetastatic effect in the "double grafted tumor system"] Ebina T, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1847–53 (Eng. Abstr.) **(Jpn)**

[Competitive effect of PSK against the immunosuppressive effect induced in the sera of mice bearing syngeneic tumors] Matsunaga K, et al. **Gan To Kagaku Ryoho** 1986 Dec; 13(12):3461–7 (Eng. Abstr.) **(Jpn)**

METABOLISM

Purine synthetic capacities of de novo and salvage pathways in rat hepatoma 3924A cells. Natsumeda Y, et al. **Adv Exp Med Biol** 1986;195 Pt B:371–6

Multiplicity of cytochrome P-450 in Morris hepatoma. Watanabe M, et al. **Adv Exp Med Biol** 1986;197:203–12

Membrane cholesterol and tumor bioenergetics. Coleman PS. **Ann NY Acad Sci** 1986;488:451–67 (32 ref.)

Membrane alterations in cancer cells: the role of oxy radicals. Galeotti T, et al. **Ann NY Acad Sci** 1986;488:468–80 (52 ref.)

The regulation of cyclic AMP levels in cultured MH1C1 rat hepatoma cells and in solid tumours derived from MH1C1 cell inoculates. Brønstad GO, et al. **Anticancer Res** 1987 Mar–Apr;7(2):155–60

Regulation of protein turnover versus growth state: ascites hepatoma as a model for studies both in the animal and in vitro. Tesitore L, et al. **Arch Biochem Biophys** 1987 Jun;255(2):372–84

DNA–protein crosslinking by heavy metals in Novikoff hepatoma. Wedrychowski A, et al. **Arch Biochem Biophys** 1986 Dec;251(2):397–402

Biological markers characterizing the development of preneoplastic and neoplastic lesions in rodent liver. Beer DG, et al. **Arch Toxicol [Suppl]** 1987;10:68–80 (50 ref.)

Synthesis and secretion of plasma cholesteryl ester transfer protein by human hepatocarcinoma cell line, HepG2. Faust RA, et al. **Arteriosclerosis** 1987 May–Jun;7(3):267–75

Cholesteryl ester cycle in cultured hepatoma cells. Glick JM, et al. **Atherosclerosis** 1987 Apr;64(2–3):223–30

Oestradiol binding activity in rat liver tumours and in human hepatocellular carcinoma. Alagaratnam TT, et al. **Aust NZ J Surg** 1987 Jul;57(7):477–9

Synthesis of hemopexin and cysteine protease inhibitor is coordinately regulated by HSF–II and interferon–beta 2 in rat hepatoma cells. Baumann H, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1218–28

Transient induction of ornithine decarboxylase mRNA in rat hepatoma cells treated with 12–O–tetradecanoylphorbol–13–acetate. Butler AP, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):809–17

A specific alpha–fetoprotein gene binding protein in alpha–fetoprotein producing rat hepatomas. Wang Z, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):110–5

Potentiation of specific association of insulin with HepG2 cells by phorbol esters. Blake AD, et al. **Biochem J** 1986 May 15;236(1):227–34

Photoaffinity labelling of a nitrobenzylthioinosine–binding polypeptide from cultured Novikoff hepatoma cells. Gati WP, et al. **Biochem J** 1986 Jun 15;236(3):665–70

Post–translational modification of the protein–synthesis initiation factor eIF–4D by spermidine in rat hepatoma cells. Gerner EW, et al. **Biochem J** 1986 Oct 15; 239(2):379–86

Early development of protein metabolic perturbations in the liver and skeletal muscle of tumour–bearing rats. A model system for cancer cachexia. Tesitore L, et al. **Biochem J** 1987 Jan 1;241(1):153–9

Action of carbamoylating agents on the uptake of metabolites in hepatomas and liver. Lea MA, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2775–81

Production of interleukin 1 by SK hepatoma tumor cells. Moore WM, et al. **Biochemistry** 1986 Nov 18; 25(23):7696–701

Regulation of lipoprotein receptors on rat hepatomas in vivo. Barnard GF, et al. **Biochim Biophys Acta** 1986 Dec 5; 879(3):301–12

Protein glycosylation regulates the externalization of two distinct classes of glucocorticoid–induced glycoproteins in rat hepatoma cells. Haffar OK, et al. **Biochim Biophys Acta** 1986 Dec 10;884(3):520–30

Protein turnover states of tumour cells and host tissues in an experimental model. Baccino FM, et al. **Biomed Biochim Acta** 1986;45(11–12):1585–90

Heat–shock proteins and mRNAs in liver and hepatoma. Bardella L, et al. **Br J Cancer** 1987 Jun;55(6):643–5

Isolation and characterization of complementary DNA clones for genes overexpressed in chemically induced rat hepatomas. Corral M, et al. **Cancer Res** 1986 Oct; 46(10):5119–24

Patterns of ligand binding to normal, regenerating, preneoplastic, and neoplastic rat hepatocytes. Harris L, et al. **Cancer Res** 1987 Aug 1;47(15):3954–8

Coordinate polypeptide expression during hepatocarcinogenesis in male F–344 rats: comparison of the Solt–Farber and Reddy models. Wirth PJ, et al. **Cancer Res** 1987 Jun 1;47(11):2839–51

Autoradiographic studies on in vivo covalent binding of N–hydroxy–2–acetylaminofluorene in rat liver containing gamma–glutamyltranspeptidase–positive foci. The effect of the sulfation–inhibitor pentachlorophenol. Kroese ED, et al. **Carcinogenesis** 1987 Apr;8(4):571–5

Uptake of taurocholate by isolated gamma–glutamyltranspeptidase positive, putatively preneoplastic hepatocytes from 2–acetylaminofluorene treated rats. Lebsanft J, et al. **Carcinogenesis** 1986 Nov; 7(11):1925–6

Orotate uptake and metabolism in normal and neoplastic tissues. Lea MA, et al. **Comp Biochem Physiol [B]** 1987; 86(3):581–6

The pathway of glutamate oxidation in isolated mitochondria from the avian hepatomatous growth induced by MC–29 virus [published erratum appears in J Cell Physiol 1987 Jan;130(1):171] Matsuno T, et al. **Comp Biochem Physiol [B]** 1986;85(2):393–6

Sulphonylureas and biguanides do not affect insulin binding in H35 hepatoma cells. De Vries CP, et al. **Diabetes Res** 1986 Jul;3(6):307–10

Effect of heat shock on protein degradation in mammalian cells: involvement of the ubiquitin system. Parag HA, et al. **EMBO J** 1987 Jan;6(1):55–61

Increase in insulin binding affinity by chloroquine in cultured rat hepatoma cells. Sorimachi K, et al. **Endocr Res** 1987; 13(1):49–60

Concanavalin A changes not only the number of insulin binding sites but also the binding affinity in rat hepatoma cells in culture. Sorimachi K, et al. **Endocr Res** 1987; 13(2):183–97

Multiple hormones regulate angiotensinogen messenger ribonucleic acid levels in a rat hepatoma cell line. Chang E, et al. **Endocrinology** 1987 Aug;121(2):513–9

Mediation of insulin–like growth factor actions by the insulin receptor in H–35 rat hepatoma cells. Krett NL, et al. **Endocrinology** 1987 Jan;120(1):401–8

Transport and metabolism of 5'–nucleotidase in a rat hepatoma cell line. van den Bosch R, et al. **Eur J Biochem** 1986 Oct 1;160(1):49–54

Relationship between pyridine nucleotide levels and ribonucleotide reductase activity in Yoshida ascites hepatoma AH130. Chevanne M, et al. **Exp Cell Res** 1986 Dec;167(2):327–36

Calmodulin in Zajdela hepatoma cell growth. Feinberg J, et al. **Exp Cell Res** 1987 Jan;168(1):265–72

Recombinant human B cell stimulatory factor 2 (BSF–2/IFN–beta 2) regulates beta–fibrinogen and albumin mRNA levels in Fao–9 cells. Andus T, et al. **FEBS Lett** 1987 Aug 31;221(1):18–22

Rat liver cytosol oxysterol–binding protein. Characterization and comparison with the HTC cell protein. Beseme F, et al. **FEBS Lett** 1987 Jan 1;210(1):97–103

Restoration of hydroperoxide–dependent lipid peroxidation by 3–methylcholanthrene induction of cytochrome P–448 in hepatoma microsomes. Borrello S, et al. **FEBS Lett** 1986 Dec 15;209(2):305–10

Immunohistological studies of alpha feto protein in preneoplastic nodules: an experimental study. Naidu NR, et al. **Indian J Cancer** 1985 Jun;22(2):137–44

"Pyruvate recycling" and its influence on the estimation of the pentose pathway in intact liver and Morris hepatoma 5123TC cells. Arora KK, et al. **Int J Biochem** 1987; 19(2):147–58

Glucosamine 6–phosphate acetylase in rat ascites hepatomas. Oikawa S, et al. **Int J Biochem** 1986;18(10):929–33

Stimulation by glucagon and adenosine–3',5'–cyclic monophosphate of protein degradation in Reuber H35 hepatoma monolayers. Wong SS, et al. **Int J Biochem** 1987; 19(5):443–7

Distinct sets of acute phase plasma proteins are stimulated by separate human hepatocyte–stimulating factors and monokines in rat hepatoma cells. Baumann H, et al. **J Biol Chem** 1987 Jul 15;262(20):9756–68

The receptor for 2,3,7,8–tetrachlorodibenzo–p–dioxin in the mouse hepatoma cell line Hepa 1c1c7. A comparison with the glucocorticoid receptor and the mouse and rat hepatic dioxin receptors. Cuthill S, et al. **J Biol Chem** 1987 Mar 15;262(8):3477–81

Evidence for inherent differences in the system A carrier from normal and transformed liver tissue. Differential inactivation and substrate protection in membrane vesicles and reconstituted proteoliposomes. Dudeck KL, et al. **J Biol Chem** 1987 Sep 15;262(26):12565–9

Observation of myo–inositol 1,2–(cyclic) phosphate in a Morris hepatoma by 31P NMR. Graham RA, et al. **J Biol Chem** 1987 Jan 5;262(1):35–7

Lack of correlation between extensive accumulation of bisnucleoside polyphosphates and the heat–shock response in eukaryotic cells. Guédon GF, et al. **J Biol Chem** 1986 Dec 15;261(35):16459–65

Accurate transcription of mouse metallothionein–I gene in a fractionated nuclear extract from a rat hepatoma. Maguire KA, et al. **J Biol Chem** 1987 Mar 25;262(9):3932–5

Identification of a novel insulin–sensitive glycophospholipid from H35 hepatoma cells. Mato JM, et al. **J Biol Chem** 1987 Feb 15;262(5):2131–7

Identification of cysteine 656 as the amino acid of hepatoma tissue culture cell glucocorticoid receptors that is covalently labeled by dexamethasone 21–mesylate. Simons SS Jr, et al. **J Biol Chem** 1987 Jul 15;262(20):9676–80

Taurine enhances low density lipoprotein binding. Internalization and degradation by cultured Hep G2 cells. Stephan ZF, et al. **J Biol Chem** 1987 May 5;262(13):6069–73

Insulin negatively regulates albumin mRNA at the transcriptional and post–transcriptional level in rat hepatoma cells. Straus DS, et al. **J Biol Chem** 1987 Feb 15;262(5):1955–60

Insulin as a growth factor in rat hepatoma cells. Stimulation of proto–oncogene expression. Taub R, et al. **J Biol Chem** 1987 Aug 5;262(22):10893–7

Characterization of an endogenous substrate of the insulin receptor in cultured cells. White MF, et al. **J Biol Chem** 1987 Jul 15;262(20):9769–77

Changes in surface glycopeptides after malignant transformation of rat liver cells and during the regression of hepatoma cells. Chaumeton B, et al. **J Cell Biochem** 1987 Aug;34(4):269–81

Effect of apoE on triglyceride emulsion interaction with hepatocyte and hepatoma G2 cells. Oswald B, et al. **J Lipid Res** 1987 Jul;28(7):798–809

Permeance of Novikoff hepatoma gap junctions: quantitative video analysis of dye transfer. Biegon RP, et al. **J Membr Biol** 1987;96(3):225–33

Enhancement of mitomycin C uptake by isoproterenol in rat ascites hepatoma. Miyamoto K, et al. **J Pharmacobiodyn** 1986 May;9(5):453–9

Effects of administration routes on the uptake of uridine and 5–fluorouridine into an adenocarcinoma transplanted to rat liver. Erichsen C, et al. **J Surg Oncol** 1986 Oct;33(2):76–80

Modulation of doxorubicin uptake by epinephrine in the VX–2 carcinoma. Thom AK, et al. **J Surg Res** 1987 May; 42(5):543–9

The effect of insulinomimetic agents on protein degradation in H35 hepatoma cells. Helm BA, et al. **Mol Cell Biochem** 1986 Aug;71(2):159–66

Differential effects of 1–deoxynojirimycin on the intracellular transport of secretory glycoproteins of human hepatoma cells in culture. Parent JB, et al. **Mol Cell Biochem** 1986 Nov–Dec;72(1–2):21–33

Hepatoma–associated nonhistone chromosomal proteins are present in active chromatin. Wen BG, et al. **Mol Cell Biochem** 1987 Jul;76(1):75–84

A distinct glucocorticoid hormone response regulates phosphoprotein maturation in rat hepatoma cells. Karlsen K, et al. **Mol Cell Biol** 1986 Feb;6(2):574–85

Comparison of the continuous rat hepatoma cell line 2sFou with primary rat hepatocyte cultures for the induction of DNA repair synthesis by nitrosamines, benzo[a]pyrene and hydroxyurea. Rossberger S, et al. **Mutat Res** 1987 Feb; 182(1):41–51

Disturbances in the formation of FAD and covalently bound flavins in Novikoff hepatoma from riboflavin–deficient rats. Pinto J, et al. **Nutr Cancer** 1987;10(1–2):95–102

Translation of ferritin light and heavy subunit mRNAs is regulated by intracellular chelatable iron levels in rat hepatoma cells. Rogers J, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2277–81

Hepatic artery administration of degradable starch microspheres: II. Effects on incorporation of uridine and uracil into RNA of an adenocarcinoma transplanted to rat liver. Teder H, et al. **Res Exp Med (Berl)** 1987;187(2):153–8

Glutathione synthesis in normal liver and in Yoshida AH–130 hepatoma. Biocca ME, et al. **Toxicol Pathol** 1986; 14(4):415–6

Sulfation of N–hydroxy–2–acetylaminofluorene in normal and nodular liver from male Wistar rats. Blanck A, et al. **Toxicol Pathol** 1987;15(1):103–5

HMP–shunt and cholesterol metabolism in experimental models involving normal and preneoplastic liver growth. Columbano A, et al. **Toxicol Pathol** 1987;15(1):43–50

New data on kinetics of lipid peroxidation in experimental hepatomas and preneoplastic nodules. Dianzani MU, et al. **Toxicol Pathol** 1986;14(4):404–10

Metabolism of xenobiotics in hepatocyte nodules. Eriksson LC, et al. **Toxicol Pathol** 1987;15(1):27–42 (92 ref.)

The variations of S–adenosyl–L–methionine content modulate hepatocyte growth during phenobarbital promotion of diethylnitrosamine–induced rat liver carcinogenesis. Feo F, et al. **Toxicol Pathol** 1987; 15(1):109–14

Endocytosis of asialo–glycoproteins and attachment to asialo–glycoproteins of hepatocytes from carcinogen–treated rats. Schwarze PE, et al. **Toxicol Pathol** 1987;15(1):88–92

[Changes in protein in bile excretion from rat liver inoculated with BERH–2 hepatoma] Zhou JX, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Nov;8(6):409–12

(Eng. Abstr.) (Chi)
[Effects of 10-hydroxycamptothecin on chromatin protein synthesis in murine hepatoma cells] Ling YH, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 May;7(3):285–8 (Eng. Abstr.) (Chi)
[Experimental studies on tumor specificity of hematoporphyrin derivatives. II. Kinetics of hematoporphyrin diacetate and hematoporphyrin disilate in tumor bearing rats] Mori H, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Aug;77(8):1324–30 (Eng. Abstr.) (Jpn)
[Experimental studies on tumor specificity of hematoporphyrin derivatives. I. Preparation and properties of hematoporphyrin diacetate and hematoporphyrin disilate] Mori H, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Aug;77(8):1318–23 (Eng. Abstr.) (Jpn)
[The mode of mitomycin C uptake in rat ascites hepatoma AH130 cells] Miyamoto K, et al. **Yakugaku Zasshi** 1986 Jun;106(6):511–6 (Eng. Abstr.) (Jpn)
[Polyamine levels and diamine oxidase activity in the rat liver and kidneys during hepatocarcinogenesis induced by N-nitrosodiethylamine] Berdinskikh NK, et al. **Eksp Onkol** 1987;9(3):23–7 (Eng. Abstr.) (Rus)
[Interaction of hormone–receptor complexes from normal and tumorous tissues with DNA and their effect on the RNA polymerase activity of isolated nuclei] Adylova AT, et al. **Probl Endokrinol (Mosk)** 1986 Sep–Oct;32(5):69–72 (Eng. Abstr.) (Rus)
[Characteristics of hexosephosphate transformation regulation in Zajdela hepatoma and the liver of tumor-bearing rats] Golovatskiĭ ID, et al. **Ukr Biokhim Zh** 1987 Jan–Feb;59(1):95–8 (Eng. Abstr.) (Rus)
[Incorporation and release of cholesterol from plasma membranes of hepatocytes and Zajdela hepatoma cells] Ivanova LI, et al. **Vopr Med Khim** 1986 Sep–Oct;32(5):62–7 (Eng. Abstr.) (Rus)
[Biochemical and functional characteristics of thymus and spleen lymphocytes in C3HA mice during the growth of hepatoma 22 and after immunization with sheep erythrocytes] Khramtsova SN, et al. **Vopr Med Khim** 1986 Jul–Aug;32(4):117–22 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Molecular aspects of persistent woodchuck hepatitis virus and hepatitis B virus infection and hepatocellular carcinoma. Rogler CE, et al. **Hepatology** 1987 Jan–Feb;7(1 Suppl):74S–78S
Rearrangement and enhanced expression of c-myc in hepatocellular carcinoma of hepatitis virus infected woodchucks. Möröy T, et al. **Nature** 1986 Nov 20–26; 324(6094):276–9
Hepatocarcinogenicity of the woodchuck hepatitis virus. Popper H, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(3):866–70

PATHOLOGY

Mechanistic studies of acetamide hepatocarcinogenicity. Dybing E, et al. **Adv Exp Med Biol** 1986;197:755–62
Ethionine in the analysis of the possible separate roles of methionine and choline deficiencies in carcinogenesis. Ghoshal AK, et al. **Adv Exp Med Biol** 1986;206:283–92
The role of methionine in carcinogenesis in vivo. Poirier LA. **Adv Exp Med Biol** 1986;206:269–82
The significance of preneoplastic liver lesions in experimental animals. Williams GM. **Adv Vet Sci Comp Med** 1987; 31:21–44 (152 ref.)
Hepatocarcinomas, cholangiocarcinomas, and hepatoblastomas produced by chemically transformed cultured rat liver epithelial cells. A light- and electron-microscopic analysis. Tsao MS, et al. **Am J Pathol** 1987 Apr;127(1):168–81
The histopathology and biochemistry of phenobarbitone-induced liver nodules in C3H mice. Gangolli SD, et al. **Arch Toxicol [Suppl]** 1987;10:95–107
The role of necrosis in hepatocellular proliferation and liver tumors. Newberne PM, et al. **Arch Toxicol [Suppl]** 1987; 10:54–67
Relationship among histochemically distinguishable early lesions in multistep–multistage hepatocarcinogenesis. Scherer E. **Arch Toxicol [Suppl]** 1987;10:81–94 (49 ref.)
Invasiveness, metastasis, and transplantability of mouse liver nodules. Vesselinovitch SD. **Arch Toxicol [Suppl]** 1987; 10:29–42
Effects of teleocidin on the morphology and c-myc expression of hepatoma cells which are not inhibited by protein kinase antagonists. Kaneko Y, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):549–55
Amphotericin B renders stationary phase hepatoma cells sensitive to dipyridamole. Zhen YS, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):434–9
Carcinogenicity of dietary aflatoxin M1 in male Fischer rats compared to aflatoxin B1. Cullen JM, et al. **Cancer Res** 1987 Apr 1;47(7):1913–7
Establishment and characterization of a chicken hepatocellular carcinoma cell line, LMH. Kawaguchi T, et al. **Cancer Res** 1987 Aug 15;47(16):4460–4
Macrophage potentiation of invasive capacity of rat ascites hepatoma cells. Mukai M, et al. **Cancer Res** 1987 Apr 15; 47(8):2167–71
Stimulation of tumor growth in adult rats in vivo during acute streptozotocin-induced diabetes. Sauer LA, et al. **Cancer Res** 1987 Apr 1;47(7):1756–61
Progression in hepatocarcinogenesis: differences in growth and behavior of transplants of early and later hepatocyte nodules in the rat spleen. Tatematsu M, et al. **Cancer Res** 1987 Sep 1;47(17):4699–705
Phenotypic modulation during tumorigenesis by clones of transformed rat liver epithelial cells. Tsao MS, et al. **Cancer Res** 1987 Mar 1;47(5):1282–6
Methylation of DNA guanine during the course of induction of liver cancer in hamsters by hydrazine or dimethylnitrosamine. Bosan WS, et al. **Carcinogenesis** 1987 Mar;8(3):439–44
Initiation of hepatocarcinogenesis in infant male B6C3F1 mice by N-hydroxy-2-aminofluorene or N-hydroxy-2-acetylaminofluorene depends primarily on metabolism to N-sulfooxy-2-aminofluorene and formation of DNA-(deoxyguanosin-8-yl)-2-aminofluorene adducts. Lai CC, et al. **Carcinogenesis** 1987 Mar;8(3):471–8
Transformation related expression of glutathione-S-transferase P in rat liver cells. Power C, et al. **Carcinogenesis** 1987 Jun;8(6):797–801
Anchorage-independent cell growth-inhibiting factor(s) from normal rat liver and ascites hepatoma. Komatsu K, et al. **Cell Biol Int Rep** 1986 Oct;10(10):813–20
Studies on satellite nucleoli in rat hepatocytes and Novikoff hepatoma cells. Smetana K, et al. **Cell Tissue Res** 1987 Jul;249(1):235–9
Experimental induction of hepatocellular carcinoma as a paradigm for carcinogenesis. Farber E. **Clin Physiol Biochem** 1987;5(3–4):152–9
Activation of alpha-fetoprotein synthesis in rat hepatoma cells with reduced sensitivity to dexamethasone. Venetianer A, et al. **Differentiation** 1986;32(2):148–56
Characterization of the growth inhibited substate induced in murine hepatic tumor cells during in vitro exposure to dimethylsulfoxide. Higgins PJ. **Int J Cancer** 1986 Dec 15; 38(6):889–99
Characterization of cystathionine synthase as a selectable, liver-specific trait in rat hepatomas. Goss SJ. **J Cell Sci** 1986 Jun;82:309–20
Transplantation of putative preneoplastic hepatocytes of analbuminemic rats in the livers of Sprague-Dawley x analbuminemic hybrid rats. Yokota K, et al. **Jpn J Cancer Res** 1987 Feb;78(2):109–12
Inhibitory effect of L-methionine-deprived amino acid imbalance using total parenteral nutrition on growth of ascites hepatoma in rats. Goseki N, et al. **Tohoku J Exp Med** 1987 Feb;151(2):191–200
Proliferative hepatocellular lesions of the rat: review and future use in risk assessment. Rinde E, et al. **Toxicol Ind Health** 1987 Mar;3(1):145–66
Two-stage liver carcinogenesis in the mouse. Della Porta G, et al. **Toxicol Pathol** 1987;15(2):229–33
Inhibition by dehydroepiandrosterone of liver preneoplastic foci formation in rats after initiation-selection in experimental carcinogenesis. Garcea R, et al. **Toxicol Pathol** 1987;15(2):164–9
Dietary and metabolic manipulations of the carcinogenic process: role of nucleotide pool imbalances in carcinogenesis. Rao PM, et al. **Toxicol Pathol** 1987; 15(2):190–3
Transplantation of preneoplastic rat hepatocytes by intraportal injection. Saeter G, et al. **Toxicol Pathol** 1987; 15(1):78–81
Certain aspects of hepatocarcinogenesis in the infant mouse model. Vesselinovitch SD. **Toxicol Pathol** 1987;15(2):221–8
Hepatoblastoma with squamous differentiation in a B6C3F1 mouse. Nonoyama T, et al. **Vet Pathol** 1986 Sep; 23(5):619–22
[Effect of an injection of a long kui compound on hepatoma H22 ascites ascites tumor cells in mice] Lu GZ, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb;7(2):97–9, 70 (Eng. Abstr.) (Chi)
[A preliminary study on the development of altered cells in different liver cell subpopulations of diethylnitrosamine-treated rats] Ding L. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Mar;15(1):17–21 (Eng. Abstr.) (Chi)
[Establishment of an experimental model for tumor cell invasion and potentiation and inhibition of the invasive capacity] Akedo H, et al. **Gan To Kagaku Ryoho** 1987 Jun; 14(6 Pt 2):2048–55 (Eng. Abstr.) (Jpn)
[Intraclonal variability in the McA-RH 7777 hepatoma cell line detected by analytical cloning] Eralzer TL, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):324–7 (Eng. Abstr.) (Rus)
[Expression of vimentin and prekeratins in solid and ascites variants of Zajdela hepatoma] Karavanova ID, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):462–6 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Changes in nucleolar transcriptional activity and nuclear DNA content during the first steps of rat hepatocarcinogenesis. Deleener A, et al. **Carcinogenesis** 1987 Feb;8(2):195–201
Liver regeneration in mice bearing a transplanted hepatoma. Badran AF, et al. **Rev Esp Oncol** 1984;31(4):591–600

PREVENTION & CONTROL

Effects of antioxidants on aflatoxin-induced hepatic tumors in rats. Iverson F, et al. **Cancer Lett** 1987 Feb;34(2):139–44
Re:Ryoichi Yamashita et al. Prevention of growth of metastases in rat liver by perioperative immunoactivation [letter] Chervenak R. **Cancer Res** 1987 May 15;47(10):2748
Mechanism of protection against aflatoxin tumorigenicity in rats fed 5-(2-pyrazinyl)-4-methyl-1,2-dithiol-3-thione (oltipraz) and related 1,2-dithiol-3-thiones and 1,2-dithiol-3-ones. Kensler TW, et al. **Cancer Res** 1987 Aug 15;47(16):4271–7
Ethoxyquin alone induces preneoplastic changes in rat kidney whilst preventing induction of such lesions in liver by aflatoxin B1. Manson MM, et al. **Carcinogenesis** 1987 May; 8(5):723–8
Inhibition of neoplastic development in rat liver, kidney, oesophagus and forestomach by 4,4'-diaminodiphenylmethane administration. Tsuda H, et al. **Carcinogenesis** 1987 May;8(5):719–22
Anti-carcinogenic action of phenobarbital given simultaneously with diethylnitrosamine in the rat. Barbason H, et al. **Eur J Cancer Clin Oncol** 1986 Sep;22(9):1073–8

RADIONUCLIDE IMAGING

Distribution of 46Sc and 51Cr in tumor-bearing animals and the mechanism for accumulation in tumor and liver. Ando A, et al. **Int J Rad Appl Instrum [B]** 1987;14(2):143–51
[Experimental study of radioimmunodetection using anti-AFP monoclonal antibody] Hashimoto T. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Apr 25; 47(4):629–43 (Eng. Abstr.) (Jpn)

RADIOTHERAPY

Effect of intrahepatic arterial infusion of 131I-labelled lipiodol on hepatocellular carcinoma of rat. Tsai C, et al. **Ann Acad Med Singapore** 1986 Oct;15(4):521–4
Assessment of radiotherapeutic effects on experimental tumors using 18F-2-fluoro-2-deoxy-D-glucose. Abe Y, et al. **Eur J Nucl Med** 1986;12(7):325–8

SECONDARY

An animal model for colon cancer metastasis: establishment and characterization of murine cell lines with enhanced liver-metastasizing ability. Bresalier RS, et al. **Cancer Res** 1987 Mar 1;47(5):1398–406
Prevention of experimental liver metastases by D-galactose. Uhlenbruck G, et al. **Experientia** 1987 Apr 15;43(4):437–8
Experimental nude mouse model of human colorectal cancer liver metastases. Giavazzi R, et al. **JNCI** 1986 Dec; 77(6):1303–8
Distribution of iodized oil within the liver after hepatic arterial injection. Miller DL, et al. **Radiology** 1987 Mar; 162(3):849–52

SECRETION

Analysis of the lodgement and extravasation of tumor cells in experimental models of hematogenous metastasis. Kawaguchi T, et al. **Cancer Metastasis Rev** 1986;5(2):77–94 (115 ref.)

THERAPY

Therapeutic effect of treatment with polyclonal or monoclonal antibodies to alpha-fetoprotein that have been conjugated to daunomycin via a dextran bridge: studies with an alpha-fetoprotein-producing rat hepatoma tumor model. Tsukada Y, et al. **Cancer Res** 1987 Aug 15; 47(16):4293–5
Induction of lymphokine-activated killer cells in strain 2 guinea pigs with human interleukin-2. Zwilling BS, et al. **Cancer Res** 1986 Nov;46(11):5667–70
Destruction of VX2 tumor in rabbits by hyperthermia plus bleomycin suspended in sesame oil. Kitamura M, et al. **Cancer Treat Rep** 1986 Nov;70(11):1263–9
Anti-tumor effects of interferon in mice injected with interferon-sensitive and interferon-resistant Friend leukemia cells. VI. Adjuvant therapy after surgery in the inhibition of liver and spleen metastases. Gresser I, et al. **Int J Cancer** 1987 Jun 15;39(6):789–92
Solid tumor models for the assessment of different treatment modalities: XXVI. Estimates of cell survival from tumor growth delay after alternating radiotherapy and chemotherapy [published erratum appears in Int J Radiat Oncol Biol Phys 1987 Jul;13(7):1123] Hopkins HA, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb;13(2):217–24
Antitumor, antiviral and natural killer-inducing activities of human recombinant interferon-alpha in the guinea pig. Kataoka T, et al. **Jpn J Med Sci Biol** 1986 Apr;39(2):97–103
Antitumor activity of lipopolysaccharide in tumor-bearing mice pretreated with BCG. Sato H, et al. **Tohoku J Exp Med** 1986 Dec;150(4):391–9
[Antitumor effect of PSK (1). Interferon-inducing activity and intratumoral administration] Ebina T, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1841–6 (Eng. Abstr.) (Jpn)
[Effect of costus root oil in murine tumors] Takanami I, et al. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2276–9 (Eng. Abstr.) (Jpn)

ULTRASTRUCTURE

Endonucleolytic activities of nuclei from rat ascites hepatoma. Hibino Y, et al. **Biochem Int** 1986 Nov; 13(5):773–9

Isolation and characterization of chicken liver and hepatoma Mc–29 endoplasmic reticulum and Golgi apparatus membranes and biosynthesis of their glycoconjugates. Gavazova E, et al. **JNCI** 1987 Apr;78(4):683–93

Butyrate–induced cytoarchitectural reorganization of Mallory body–containing rat hepatic tumor cells. Ryan MP, et al. **JNCI** 1987 Sep;79(3):555–67

Characterization of the proteolytic compartment in rat hepatocyte nodules. Ahlberg J, et al. **Virchows Arch [B]** 1987;53(2):79–88

[Cytochemical and electron microscopical characteristics of the cellular phenotype of adenoid liver tumors] Ruan YB. **Chung–hua Ping Li Hsueh Tsa Chih** 1987 Mar;16(1):31–5 (Eng. Abstr.) **(Chi)**

[Ultrastructural observation of xenotropic C–type viruses invading rat hepatoma (BERH–2) after passage in nude mice] Dai ZQ, et al. **Shih Yen Sheng Wu Hsueh Pao** 1986 Jun;19(2):183–91 (Eng. Abstr.) **(Chi)**

[Ultrastructure of human hepatic carcinomas compared with ultrastructural findings in hepatomas induced by chemical agents in Wistar rats and the golden hamster] Llombart Bosch A, et al. **Rev Esp Oncol** 1983;30(3):287–302 (Eng. Abstr.) **(Spa)**

LIVER REGENERATION

A light and electron microscopic study of the regenerative epithelium in the intrahepatic bile duct. Experimental study of local direct instillation of paraquat into the intrahepatic bile ducts of rats. Matsumoto T, et al. **Acta Pathol Jpn** 1986 Aug;36(8):1163–80

Increase of amidophosphoribosyltransferase activity and phosphoribosylpyrophosphate concentration as the basis for increased de novo purine biosynthesis in the regenerating rat liver. Itakura M, et al. **Adv Exp Med Biol** 1986;195 Pt B:347–55

Increased rate of de novo purine synthesis and its mechanism in regenerating rat liver. Itakura M, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):G585–90

Lymphoid system as a regulator of morphostasis and hormonal modulation of these functions. Cuk M, et al. **Ann NY Acad Sci** 1987;496:104–7

Human liver regeneration after major hepatic resection. A study of normal liver and livers with chronic hepatitis and cirrhosis. Nagasue N, et al. **Ann Surg** 1987 Jul;206(1):30–9

Regenerative activity in acute hepatitis A virus. Autoradiographic study after in vitro incorporation of 3H–thymidine. Hassan G, et al. **Appl Pathol** 1986;4(4):282–5

An activated S6 kinase in regenerating rat liver. Mizuta K, et al. **Biochem Biophys Res Commun** 1987 Jul 15; 146(1):239–46

Effects of liver regeneration on tRNA contents and aminoacyl–tRNA synthetase activities and sedimentation patterns. Del Monte U, et al. **Biochem J** 1986 May 15; 236(1):163–9

The presence and activity in normal and regenerating rat liver postmicrosomal supernatant fraction of an enzyme with properties similar to those of membrane–bound 5'–nucleotidase. Fritzson P, et al. **Biochem J** 1986 Oct 1; 239(1):185–90

Altered interactions between lipogenesis and fatty acid oxidation in regenerating rat liver. Schofield PS, et al. **Biochem J** 1987 Jan 15;241(2):469–74

Changes in sinusoidal plasma membrane enzyme activities during the pre–replicative phase of liver regeneration. Enrich C, et al. **Biochim Biophys Acta** 1986 Oct 9; 861(2):381–4

Purification and characterization of thymidylate synthetase from rat regenerating liver. Nakata R, et al. **Biochim Biophys Acta** 1987 May 19;924(2):297–302

The role of the cytosolic fraction and of initiation factor eIF–2 for changes of the rate of protein synthesis during liver regeneration. Bommer UA, et al. **Biol Chem Hoppe Seyler** 1987 May;368(5):445–50

Biliary lipid secretion in the regenerating liver of the rat. Pérez–Barriocanal F, et al. **Br J Exp Pathol** 1987 Feb; 68(1):1–6

Induction of heat shock gene expression without heat shock by hepatocarcinogens and during hepatic regeneration in rat liver. Carr BI, et al. **Cancer Res** 1986 Oct;46(10):5106–11

Patterns of ligand binding to normal, regenerating, preneoplastic, and neoplastic rat hepatocytes. Harris L, et al. **Cancer Res** 1987 Aug 1;47(15):3954–8

A cytological comparison between regeneration, hyperplasia and early neoplasia in the rat liver. Styles JA, et al. **Carcinogenesis** 1987 Mar;8(3):391–9

Calcium transport from blood into the bile in normal and regenerating rat liver. Bachs O, et al. **Cell Biochem Funct** 1987 Jan;5(1):37–46

Effects of partial hepatectomy on the immune responses in mice. Pinto M, et al. **Clin Immunol Immunopathol** 1987 Jan; 42(1):123–32

Effect of thyroparathyroidectomy on the activities of thymidylate synthetase and thymidine kinase during liver regeneration after partial hepatectomy. Nakata R, et al. **Clin Sci** 1987 Apr;72(4):455–61

Effects of two–thirds hepatectomy on sulfobromophthalein handling by the rat liver. Oleaga A, et al. **Comp Biochem Physiol [A]** 1987;87(1):13–9

Preservation of hepatocyte plasma membrane domains during cell division in situ in regenerating rat liver. Bartles JR, et al. **Dev Biol** 1986 Nov;118(1):286–95

Evolution of biliary secretion during bile diversion in normal and two–thirds hepatectomized rats. Pérez–Barriocanal F, et al. **Digestion** 1986;35(3):143–50

The heme biosynthetic pathway in the regenerating rat liver. The relation between enzymes of heme synthesis and growth. Schoenfeld N, et al. **Eur J Biochem** 1987 Aug 3; 166(3):663–6

Biogenesis of peroxisomes in regenerating rat liver. I. Sequential changes of catalase and urate oxidase detected by ultrastructural cytochemistry. Yamamoto K, et al. **Eur J Cell Biol** 1987 Jun;43(3):293–300

Single photon emission computerized tomography (SPECT) for monitoring regeneration of the human liver after partial hepatectomy for secondary tumours. Szawlowski AW, et al. **Eur J Surg Oncol** 1986 Dec;12(4):389–92

Molecular cloning of mRNA sequences transiently induced during rat liver regeneration. Sobczak J, et al. **Exp Cell Res** 1987 Mar;169(1):47–56

Interaction of induction, ontogenetic development and liver regeneration on the monooxygenase level. Klinger W, et al. **Exp Pathol** 1987;31(2):117–24

Regulation of ATP hydrolase activity of the F0–F1 complex of rat–liver mitochondria during early hepatic regeneration. Buckle M. **FEBS Lett** 1986 Dec 15;209(2):197–202

Lipid peroxidation in regenerating rat liver. Cheeseman KH, et al. **FEBS Lett** 1986 Dec 15;209(2):191–6

Calmodulin may decrease cell surface sialic acid and be involved in the expression of fibronectin during liver regeneration. Coll MJ, et al. **FEBS Lett** 1986 Nov 24; 208(2):418–22

Sex hormone–related functions in regenerating male rat liver. Francavilla A, et al. **Gastroenterology** 1986 Nov; 91(5):1263–70

Translocation of epidermal growth factor to the hepatocyte nucleus during rat liver regeneration. Raper SE, et al. **Gastroenterology** 1987 May;92(5 Pt 1):1243–50

The effect of hepatic stimulatory substance, isolated from regenerating hepatic cytosol, and 50,000 and 300,000 subfractions in enhancing survival in experimental acute hepatic failure in rats treated with D–galactosamine. Francavilla A, et al. **Hepatology** 1986 Nov–Dec; 6(6):1346–51

Liver–specific gene expression in various pathophysiologic states. Panduro A, et al. **Hepatology** 1987 Jan–Feb;7(1 Suppl):10S–18S

Turnover of ribosomal proteins in regenerating rat liver after partial hepatectomy. Nikolov EN, et al. **Int J Biochem** 1987;19(2):159–63

The origin of bile ductular–like structures after transplantation of regenerating hepatocytes into the spleen of syngeneic rats. Fogli L, et al. **Ital J Surg Sci** 1987; 17(2):147–51

Identification of 100 and 150 S DNA polymerase alpha–primase megacomplexes solubilized from the nuclear matrix of regenerating rat liver [published erratum appears in J Biol Chem 1987 Jul 15;262(20):9921] Tubo RA, et al. **J Biol Chem** 1987 Apr 25;262(12):5857–65

Nuclear matrix–bound DNA primase. Elucidation of an RNA priming system in nuclear matrix isolated from regenerating rat liver. Tubo RA, et al. **J Biol Chem** 1987 May 15; 262(14):6637–42

Pre–replicative association of multiple replicative enzyme activities with the nuclear matrix during rat liver regeneration. Tubo RA, et al. **J Biol Chem** 1987 Jan 25; 262(3):1148–54

Three–dimensional reconstruction of a peroxisomal reticulum in regenerating rat liver: evidence of interconnections between heterogeneous segments. Yamamoto K, et al. **J Cell Biol** 1987 Aug;105(2):713–22

Theoretical prerequisites for an experimental corroboration of the existence of a specialized cellular system in control of multicellular organism tissue proliferation. Dontsov VI. **J Hyg Epidemiol Microbiol Immunol** 1987;31(2):209–17

Effect of splenectomy on liver regeneration and polyamine metabolism after partial hepatectomy. Kubo S, et al. **J Surg Res** 1986 Oct;41(4):401–9

Evaluation of liver volume and liver function following hepatic resection in man. Zoli M, et al. **Liver** 1986 Oct; 6(5):286–91

Local and systemic changes in rats one year after partial hepatectomy. Crăciun O, et al. **Morphol Embryol (Bucur)** 1987 Apr–Jun;33(2):149–54

DNA synthesis, mitotic index, drug–metabolising systems and cytogenetic analysis in regenerating rat liver. Comparison with bone marrow test after 'in vivo' treatment with cyclophosphamide. Rossi AM, et al. **Mutat Res** 1987 Apr; 182(2):75–82

Effect of the activation of macrophages on the course of regeneration of rat liver following partial hepatectomy. Simek J, et al. **Physiol Bohemoslov** 1986;35(5):473–80

Temporal and tissue–specific expression of mouse ets genes. Bhat NK, et al. **Proc Natl Acad Sci USA** 1987 May; 84(10):3161–5

Steroid modulation of liver regeneration and hepatic microsomal enzymes in rats of either sex. White AC, et al. **Res Commun Chem Pathol Pharmacol** 1987 Mar; 55(3):317–34

Liver regeneration in mice bearing a transplanted hepatoma. Badran AF, et al. **Rev Esp Oncol** 1984;31(4):591–600

Kupffer cells in liver injury and regeneration. Mayanski DN, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1985; 28(3–5):193–202 (89 ref.)

An experimental study of a splenic inhibitory factor influencing hepatic regeneration. Ohira M, et al. **Surg Gynecol Obstet** 1987 May;164(5):438–44

Hepatic regenerative enzyme activity after pericentral and periportal lobular toxic injury. Zieve L, et al. **Toxicol Appl Pharmacol** 1986 Nov;86(2):147–58

Class II antigen induction in the regenerating liver of rats after partial hepatectomy. Jonjić S, et al. **Transplantation** 1987 Jul;44(1):165–8

Inhibiting effect of plasma from normal and tumour bearing mice on the mitotic rate of regenerating liver. Echave Llanos JM, et al. **Virchows Arch [B]** 1986;52(1):67–73

Effect of phenobarbital and beta–naphthoflavone on oxidative metabolism of N,N–dimethyl–4–aminoazobenzene by regenerating rat–liver microsomes and its response to sulphydryl compounds. Raza H, et al. **Xenobiotica** 1986 Sep; 16(9):827–37

[Recent advances in surgery of tumors of the liver. Ultrasonic classification, specific nutritional aid and hepatic weight index during regeneration of the liver. Apropos of 104 cases] Joyeux H, et al. **Chirurgie** 1987;113(1):82–9 (Eng. Abstr.) **(Fre)**

[Experimental study of the effect of an elemental diet on liver regeneration] Kito F. **Nippon Geka Gakkai Zasshi** 1987 Mar;88(3):294–302 (Eng. Abstr.) **(Jpn)**

[Ultrastructural changes in the hepatocytes following massive hepatectomy in rats] Nagahori K. **Nippon Geka Gakkai Zasshi** 1987 Apr;88(4):447–52 (Eng. Abstr.) **(Jpn)**

[Experimental study on the splenic factor influencing hepatic regeneration] Ohira M. **Nippon Geka Gakkai Zasshi** 1986 Dec;87(12):1548–58 (Eng. Abstr.) **(Jpn)**

[Effects of preoperative transcatheter arterial embolization (TAE) on the liver following partial hepatectomy in rats] Takahashi O, et al. **Nippon Geka Gakkai Zasshi** 1987 Jan; 88(1):74–80 (Eng. Abstr.) **(Jpn)**

[Efficacy of vagotomy on liver regeneration in the prevention of stress ulcer after partial hepatectomy in the cirrhotic rat] Urakawa T, et al. **Nippon Geka Gakkai Zasshi** 1987 May;88(5):577–83 (Eng. Abstr.) **(Jpn)**

[Regeneration of the cirrhotic remnant liver after partial hepatectomy, especially the relationship between insulin receptors and hepatic regeneration] Morioka H. **Nippon Geka Hokan** 1986 May 1;55(3):403–14 (Eng. Abstr.) **(Jpn)**

[Studies on simultaneous major resection of the liver and pancreas, with special reference to resectability, liver function and regeneration] Suzaki M. **Nippon Geka Hokan** 1987 Jan 1;56(1):46–61 (Eng. Abstr.) **(Jpn)**

[Biochemical studies of inhibition by interferon (alpha + beta) in mouse liver regeneration after partial hepatectomy] Nishiguchi S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Jan;84(1):36–44 (Eng. Abstr.) **(Jpn)**

[Cell growth inhibitors and TGF–beta masking protein in platelets] Nakamura T. **Seikagaku** 1987 Mar;59(3):147–53 (25 ref.) **(Jpn)**

[Action of cytoplasmic factors from the regenerating liver on cholesterol esterification in the blood serum of rats with tetrachloromethane liver damage] Konevalova NIu, et al. **Biol Nauki** 1987;(3):25–30 (Eng. Abstr.) **(Rus)**

[Inhibition of alpha–fetoprotein synthesis in hepatocytes of adult mice by dextran sulfate in vivo and in vitro] Gleĭberman AS, et al. **Biull Eksp Biol Med** 1987 Apr; 103(4):470–3 (Eng. Abstr.) **(Rus)**

[Topographic distribution of dividing hepatocytes in the regenerating liver lobule in the period of maximum mitotic activity] Romanov IuA, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):597–8 (Eng. Abstr.) **(Rus)**

[Effect of cytochrome c antibodies on recovery processes in the liver and possible participation of anti–idiotypic antibodies in the realization of their action]] Alekseeva IN, et al. **Fiziol Zh** 1987 Jul–Aug;33(4):79–84 (Eng. Abstr.) **(Rus)**

[Cloning of mRNA nucleotide sequences amplified during DNA replication in the regenerating liver] Timchenko NA, et al. **Mol Gen Mikrobiol Virusol** 1986 Dec;(12):23–5 (Eng. Abstr.) **(Rus)**

[Effect of partial hepatectomy on the state of liver chromatin in adult and old rats] Mozzhukhina TG, et al. **Ukr Biokhim Zh** 1987 Mar–Apr;59(2):22–7 (Eng. Abstr.) **(Rus)**

[Changes in sialic acid content of the plasma membrane in hepatocellular proliferation] Coll MJ, et al. **Rev Esp Fisiol** 1986 Dec;42(4):435–9 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

The course of healing of the inflammatory granuloma in rats after the application of tetrachlormethane and 6–azauridine. Nováková O, et al. **Acta Univ Carol [Med] (Praha)** 1985; 31(5–6):321–31

Modification of drug responses in partially hepatectomized rats of either sex by steroids. Gershbein LL. **Arch Int Pharmacodyn Ther** 1987 Mar;286(1):31–48

The action of "REGOPAR" compared with other liver protective drugs in cirrhogenic aggressive chronic hepatitis, experimentally induced by albino rats.

Andronescu E, et al. **Arch Roum Pathol Exp Microbiol** 1986 Jul-Dec;45(3-4):275-83

The action of "REGOPAR"--a natural product--on liver parenchyma's regenerations after partial and undertotal hepatectomy. Andronescu E, et al.
Arch Roum Pathol Exp Microbiol 1986 Jul-Dec; 45(3-4):267-73

Effect of actinomycin D on DNA replication and c-myc expression during rat liver regeneration. Horikawa S, et al. **Biochem Biophys Res Commun** 1987 Apr 29; 144(2):1049-54

Transforming growth factor beta inhibits DNA synthesis in hepatocytes isolated from normal and regenerating rat liver. Strain AJ, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):436-42

Liver regeneration and hepatic microsomal changes in rats administered cyclosporin A. Gershbein LL.
Biochem Pharmacol 1987 Sep 15;36(18):3088-90

Effect of phorbol ester on rat liver regeneration. Tsukamoto I, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2871-2

Influence of taurocholate on maximal biliary excretion of bilirubin in the regenerating rat liver. Pérez-Barriocanal F, et al. **Biomed Biochim Acta** 1986;45(7):907-13

Hepatic regeneration and metabolism after partial hepatectomy in normal rats: effects of insulin therapy. Johnston DG, et al. **Eur J Clin Invest** 1986 Oct;16(5):376-83

Hepatic regeneration and metabolism after partial hepatectomy in diabetic rats: effects of insulin therapy. Johnston DG, et al. **Eur J Clin Invest** 1986 Oct;16(5):384-90

Different response to epidermal growth factor of hepatocytes in cultures isolated from male or female rat liver. Inhibitor effect of estrogen on binding and mitogenic effect of epidermal growth factor. Francavilla A, et al.
Gastroenterology 1987 Sep;93(3):597-605

Hepatic regeneration following glucagon treatment. Petersen KF, et al. **Horm Metab Res** 1987 Jun;19(6):239-41

Hydroxyurea inhibits thymidine kinase activity in regenerating rat liver. Prabhakar V, et al.
Indian J Biochem Biophys 1987 Feb;24(1):29-33

Liver regeneration during immunosuppression. Coughlin JP, et al. **J Pediatr Surg** 1987 Jun;22(6):566-70

Ultrastructural observation and glucose-6-phosphatase determination on the repair of rat experimental hepatic lesions by qing kai ling No. 1. Wang DW, et al.
J Tradit Chin Med 1987 Mar;7(1):46-52

Activation of mitochondrial functions by malotilate in relation to accelerated liver regeneration in partially hepatectomized rats. Niwano Y, et al. **Jpn J Pharmacol** 1986 Dec;42(4):525-9

Effects of H2-receptor antagonists on the rat liver after partial hepatectomy or carbon tetrachloride-induced hepatic injury. Lee SD, et al. **Scand J Gastroenterol** 1986 Oct;21(8):984-90

Expression of the multidrug-resistant gene in hepatocarcinogenesis and regenerating rat liver.
Thorgeirsson SS, et al. **Science** 1987 May 29; 236(4805):1120-2

Influence of the conjoint administration of insulin and glucagon upon hepatic regeneration. de Diego JA, et al.
Surg Gynecol Obstet 1986 Nov;163(5):443-7

[The effect of repeated administration of triiodothyronine or etiroxate on liver regeneration in rats after partial hepatectomy] Cervinková Z, et al.
Sb Ved Pr Lek Fak Univ Karlovy [Suppl] 1985; 28(3-4):291-8 (Eng. Abstr.) **(Cze)**

[Experimental study on efficacy of cimetidine and 16,16-dm PGE2 to liver regeneration in prevention of stress ulcer after partial hepatectomy in the cirrhotic rat] Matsui S, et al. **Nippon Geka Gakkai Zasshi** 1986 Oct;87(10):1303-12 (Eng. Abstr.) **(Jpn)**

[Effects of TJN-101 ((+)-(6s,7s,R-biar)-5,6,7,8-tetrahydro-1,2,3,12-tetramethoxy-6,7 -dimethyl-10,11-methylenedioxy-6-dibenzo [a,c] cyclooctenol) on liver regeneration after partial hepatectomy, and on regional hepatic blood flow and fine structure of the liver in normal rats] Takeda S, et al.
Nippon Yakurigaku Zasshi 1986 Oct;88(4):321-30 (Eng. Abstr.) **(Jpn)**

[Morphologic evaluation of the effect of the combined use of cyclophosphamide and actinomycin D on the regenerating parenchyma of the rat liver] Fiejka E.
Patol Pol 1986 Apr-Jun;37(2):145-53 (Eng. Abstr.) **(Pol)**

[Reparative processes in the liver following the droncit treatment of acute experimental opisthorchiasis] Molokova OA, et al. **Med Parazitol (Mosk)** 1986 Sep-Oct;(5):33-7 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Synthesis and phosphorylation of histone H1 and high mobility group proteins in the regenerating rat liver after X irradiation. Asami K. **Radiat Res** 1987 Feb;109(2):216-26

Regeneration of liver after partial hepatectomy in X-ray irradiated rats. Mišúrova E, et al.
Radiobiol Radiother (Berl) 1987;28(1):59-68

LIVIDOMYCINS see under **PAROMOMYCIN**

LIVING WILLS see **RIGHT TO DIE**

LIVOR MORTIS see **POSTMORTEM CHANGES**

LIZARDS

An osteopetrosis-like condition in a juvenile rhinoceros iguana (Cyclura cornuta). Reece RL, et al. **Aust Vet J** 1986 Oct;63(10):343-4

Helodermatine, a kallikrein-like, hypotensive enzyme from the venom of Heloderma horridum horridum (Mexican beaded lizard). Alagon A, et al. **J Exp Med** 1986 Dec 1; 164(6):1835-45

ANATOMY & HISTOLOGY

Motor innervation of the bursalis muscle (nictitating membrane) in the lizard Callopistes maculatus. Bravo H, et al. **Anat Embryol (Berl)** 1987;176(3):277-80

An electron microscope study of quantitative relationships between axon and Schwann cell sheath in myelinated fibres of peripheral nerves. Pannese E, et al.
Anat Embryol (Berl) 1987;175(4):423-30

Heterotopic synaptic bodies in the auditory hair cells of adult lizards. Miller MR, et al. **Anat Rec** 1987 Jul;218(3):338-44

Papillary morphology of the tongue of the American chameleon: Anolis carolinensis. Rabinowitz T, et al.
Anat Rec 1986 Dec;216(4):483-9

GABAergic neurons in the septum of the lizard, Podarcis hispanica. Schwerdtfeger WK, et al. **Brain Res** 1986 Oct 1;384(1):184-8

Auditory stereocilia in the alligator lizard. Mulroy MJ, et al. **Hear Res** 1987;25(1):11-21

Neural tuning in the granite spiny lizard. Turner RG.
Hear Res 1987;26(3):287-99

Timm-staining intensity is correlated with the density of Timm-positive presynaptic structures in the cerebral cortex of lizards. Martinez-Guijarro FJ, et al. **Histochemistry** 1987;86(3):315-9

The motor complex and primary projections of the trigeminal nerve in the monitor lizard, Varanus exanthematicus. Barbas-Henry HA, et al. **J Comp Neurol** 1986 Dec 15; 254(3):314-29

Histochemical identification of pallidal and striatal structures in the lizard Gekko gecko: evidence for compartmentalization. Russchen FT, et al.
J Comp Neurol 1987 Feb 15;256(3):329-41

A forebrain atlas of the lizard Gekko gecko. Smeets WJ, et al. **J Comp Neurol** 1986 Dec 1;254(1):1-19

Ultrastructure of the dorsal cortex of the lizard Psammodromus algirus. Davila JC, et al. **J Hirnforsch** 1986; 27(3):295-304

Retinal projections in the lizard Podarcis hispanica. de la Calle A, et al. **J Hirnforsch** 1986;27(6):707-13

[Study of the connections of supposed diencephalic connections of the limbic system of the lizard using the technic of axonal transport of horseradish peroxidase] Belekhova MG, et al. **Neirofiziologiia** 1987;19(1):110-20 (Eng. Abstr.) **(Rus)**

BLOOD

Identification of testosterone sulfate in the plasma of the male lizard Tiliqua rugosa. Huf PA, et al.
Gen Comp Endocrinol 1987 Jun;66(3):364-8

CLASSIFICATION

[Acanthodactyles of Tunisia: VIII--The southern acanthodactyles from south of Chott el Djerid] Blanc CP, et al. **Arch Inst Pasteur Tunis** 1987 Jan-Apr;64(1-2):89-100 (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

The development of lymphocytes with T- or B-membrane determinants in the lizard embryo. el Deeb S, et al.
Dev Comp Immunol 1986 Summer;10(3):353-64

Neuronal cilia in the embryonic thalamus and striatum of Gallotia galloti (Reptilia, Lacertidae). Trujillo CM, et al.
J Hirnforsch 1986;27(6):691-4

Cell death in the lizard cerebellar anlage at early embryonic stages. Marrero A, et al. **J Submicrosc Cytol** 1987 Jul; 19(3):479-82

GENETICS

A sex-linked enzyme in a reptile--association with a recent centric fusion in the common lizard. Goux JM, et al.
Genet Res 1986 Aug;48(1):21-5

GROWTH & DEVELOPMENT

Evolution and testosterone content of the epididymis during the annual cycle of the lizard Lacerta vivipara. Dufaure JP, et al. **Biol Reprod** 1986 Oct;35(3):667-75

IMMUNOLOGY

Corticosteroids and immune system in the lizard Chalcides ocellatus. Saad AH, et al. **Prog Clin Biol Res** 1987; 233:141-51

METABOLISM

Metabolism in lizards: low lactate turnover and advantages of heterothermy. Guppy M, et al. **Am J Physiol** 1987 Jul; 253(1 Pt 2):R77-82

Potassium secretion by nasal salt glands of desert lizard Sauromalus obesus. Shuttleworth TJ, et al.
Am J Physiol 1987 Jul;253(1 Pt 2):R83-90

Arginine:glycine amidinotransferase. A comparative study in lizard and mouse tissues. David RJ, et al.
Arch Int Physiol Biochim 1986 Jun;94(2):77-83

Metabolism of fluoroacetate in the skink (Tiliqua rugosa) and the rat (Rattus norvegicus). Twigg LE, et al.
Aust J Biol Sci 1986;39(1):1-15

Hepatic tyrosine aminotransferase from the rainbow lizard Agama agama: purification and some properties. Echetebu CO, et al. **Biochimie** 1987 Mar;69(3):223-30

A comparative study of the dopamine-acetylcholine interaction in telencephalic structures of the rat and of a reptile, the lizard Gekko gecko. Stoof JC, et al.
Brain Res 1987 Feb 24;404(1-2):273-81

The effect of thyroxine on the oxygen consumption of the ocellated skink, Chalcides ocellatus (Forskal). Al-Sadoon MK, et al. **Comp Biochem Physiol [A]** 1987;86(1):189-92

Light at night cannot suppress pineal melatonin levels in the lizard Anolis carolinensis. Underwood H.
Comp Biochem Physiol [A] 1986;84(4):661-3

Studies of the egg proteins of tropical lizards: purification and partial characterization of yolk proteins of Anolis pulchellus. Hernández De Morales M, et al.
Comp Biochem Physiol [B] 1987;87(1):125-36

beta-Endorphin-like immunoreactivity in the brain of the lizard, Lacerta muralis. Vallarino M.
Gen Comp Endocrinol 1986 Oct;64(1):52-9

Zinc accumulation in the telencephalon of lizards. Molowny A, et al. **Histochemistry** 1987;86(3):311-4

Characterization of an endogenous substrate related to insulin and insulin-like growth factor-I receptors in lizard brain. Shemer J, et al. **J Biol Chem** 1987 Mar 15;262(8):3436-9

Serotonin and dopamine in the retina of a lizard. Engbretson GA, et al. **J Comp Neurol** 1987 Mar 1;257(1):140-7

The distribution of dopamine immunoreactivity in the forebrain and midbrain of the lizard Gekko gecko: an immunohistochemical study with antibodies against dopamine. Smeets WJ, et al. **J Comp Neurol** 1986 Nov 1;253(1):46-60

Distribution of some peptides (substance P, [Leu]enkephalin, [Met]enkephalin) in the brain stem and spinal cord of a lizard, Varanus exanthematicus. Wolters JG, et al.
Neuroscience 1986 Aug;18(4):917-46

PARASITOLOGY

Isospora manchacensis n. sp., an intranuclear coccidian from the Louisiana ground skink, Scincella lateralis (Say, 1823) (Lacertilia: Scincidae). Atkinson CT, et al. **J Parasitol** 1987 Aug;73(4):817-23

Helminths of collared lizards (Crotaphytus collaris) from the Pedro Armendariz lava field, New Mexico. Pfaffenberger GS, et al. **J Parasitol** 1986 Oct;72(5):803-6

Fallisia parasites (Haemosporidia: Plasmodiidae) from the flying lizard, Draco maculatus (Agamidae) in Thailand. Telford SR Jr. **J Parasitol** 1986 Oct;72(5):766-9

Host-parasite coevolution. The mite pockets of lizards [news] Benton MJ. **Nature** 1987 Jan 29-Feb 4;325(6103):391-2

PHYSIOLOGY

Effects of endurance training and captivity on activity metabolism of lizards. Garland T Jr, et al.
Am J Physiol 1987 Mar;252(3 Pt 2):R450-6

Seasonal, sexual, and individual variation in endurance and activity metabolism in lizards. Garland T Jr, et al.
Am J Physiol 1987 Mar;252(3 Pt 2):R439-49

Comparative behavioral endocrinology. Crews D.
Ann NY Acad Sci 1986;474:187-98 (43 ref.)

Effects of season, ovariectomy and mammalian gonadotropins on the oviduct of Indian wall lizard Hemidactylus flaviviridis (Ruppel). Haider S.
Arch Anat Histol Embryol (Strasb) 1985;68:119-26

Melatonin content of the pineal, parietal eye and blood plasma of the lizard, Trachydosaurus rugosus: effect of constant and fluctuating temperature. Firth BT, et al.
Brain Res 1987 Feb 24;404(1-2):313-8

Mechanisms of transport of Na+ and Cl- in the lizard colon. Badia P, et al. **Comp Biochem Physiol [A]** 1987;87(4):883-7

Effect of temperature on the seasonal production of testicular androgens, in vitro, by the lizard Tiliqua rugosa. Bourne AR, et al. **Comp Biochem Physiol [A]** 1986;85(3):527-30

Electrophysiological and behavioral correlates of sleep in the desert iguana, Dipsosaurus dorsalis Hallowell. Huntley AC.
Comp Biochem Physiol [A] 1987;86(2):325-30

Elevated testosterone level in response to clomiphene in male Anolis carolinensis. Long DR, et al.
Comp Biochem Physiol [A] 1986;85(3):575-7

Anaerobic metabolism and activity of European lacertid lizards. McClelland MH. **Comp Biochem Physiol [A]** 1987; 87(4):1089-95

Production and glycosylation of sperm constitutive proteins in the lizard Lacerta vivipara. Evolution during the reproductive period. Depeiges A, et al.
Comp Biochem Physiol [B] 1987;86(2):233-40

Immunocytochemical discrimination of visual pigments in the retinal photoreceptors of the nocturnal gecko Teratoscincus scincus. Szél A, et al. **Exp Eye Res** 1986 Dec;43(6):895-904

Vitellogenesis in the lizard Lacerta vivipara jacquin. I. Purification and partial characterization of plasma vitellogenin. Gavaud J. **Gen Comp Endocrinol** 1986 Jul; 63(1):1-10

Vitellogenesis in the lizard Lacerta vivipara jacquin. II.

Vitellogenin synthesis during the reproductive cycle and its control by ovarian steroids. Gavaud J. **Gen Comp Endocrinol** 1986 Jul;63(1):11–23

Effects of cyproterone acetate and flutamide on the testis and epididymis of the Indian wall lizard, Hemidactylus flaviviridis (Ruppell). Haider S, et al. **Gen Comp Endocrinol** 1986 Dec;64(3):321–9

Hormonal control of courtship and copulatory behavior in male Cnemidophorus inornatus, a direct sexual ancestor of a unisexual, parthenogenetic lizard. Lindzey J, et al. **Gen Comp Endocrinol** 1986 Dec;64(3):411–8

Effects of testosterone manipulations on nonbreeding season territorial aggression in free-living male lizards, Sceloporus jarrovi. Moore MC, et al. **Gen Comp Endocrinol** 1987 Feb; 65(2):225–32

Sex steroid hormones in natural populations of a sexual whiptail lizard Cnemidophorus inornatus, a direct evolutionary ancestor of a unisexual parthenogen. Moore MC, et al. **Gen Comp Endocrinol** 1986 Sep;63(3):424–30

Neuroendocrine control of physiological color change in Chameleo gracilis. Okelo O. **Gen Comp Endocrinol** 1986 Nov;64(2):305–11

Progesterone induction of pseudocopulatory behavior and stimulus–response complementarity in an all–female lizard species. Grassman M, et al. **Horm Behav** 1986 Sep; 20(3):327–35

Neural control of male–like pseudocopulatory behavior in the all–female lizard, Cnemidophorus uniparens: effects of intracranial implantation of dihydrotestosterone. Mayo ML, et al. **Horm Behav** 1987 Jun;21(2):181–92

Hormonal regulation of male reproductive behavior in the lizard Anolis sagrei: a test of the aromatization hypothesis. Tokarz RR. **Horm Behav** 1986 Sep;20(3):364–77

Effects of the antiandrogens cyproterone acetate and flutamide on male reproductive behavior in a lizard (Anolis sagrei). Tokarz RR. **Horm Behav** 1987 Mar;21(1):1–16

Effect of adrenal hormones on testis of the indian garden lizard Calotes versicolor. Thapliyal JP, et al. **Indian J Exp Biol** 1986 May;24(5):299–301

Collateralization of descending pathways from the brainstem to the spinal cord in a lizard, Varanus exanthematicus. Wolters JG, et al. **J Comp Neurol** 1986 Sep 15; 251(3):317–33

Investigation of deaths in marine iguanas (Amblyrhynchus cristatus) on Galapagos. Cooper JE, et al. **J Comp Pathol** 1987 Mar;97(2):129–36

Motion detection in the presence and absence of background motion in an Anolis lizard. Fleishman LJ. **J Comp Physiol [A]** 1986 Nov;159(5):711–20

Day–night variations in blood and intracellular pH in a lizard, Dipsosaurus dorsalis. Bickler PE. **J Comp Physiol [B]** 1986; 156(6):853–7

Thermal adaptations in lizard muscle function. John–Alder HB, et al. **J Comp Physiol [B]** 1987;157(2):241–52

Role of protein kinase C in the pigment cell of the lizard (Anolis carolinensis). Lucas AM, et al. **J Endocrinol** 1987 Feb;112(2):283–7

Thermal dependence of contractile properties of skeletal muscle from the lizard Sceloporus occidentalis with comments on methods for fitting and comparing force–velocity curves. Marsh RL, et al. **J Exp Biol** 1986 Nov;126:63–77

Thermal dependence of sprint performance of the lizard Sceloporus occidentalis. Marsh RL, et al. **J Exp Biol** 1986 Nov;126:79–87

Reptilian skeletal muscle: contractile properties of identified, single fast–twitch and slow fibers from the lizard Dipsosaurus dorsalis. Gleeson TT, et al. **J Exp Zool** 1987 Jun;242(3):283–90

Seasonal changes in the effects of arginine vasotocin and stretch on Anolis uterine contractions in vitro. Jones RE, et al. **J Exp Zool** 1987 May;242(2):233–9

Exogenous GnRH overrides the endogenous annual reproductive rhythm in green iguanas, Iguana iguana. Phillips JA, et al. **J Exp Zool** 1987 Feb;241(2):227–36

Some physiological observations on ketamine hydrochloride anaesthesia in the agamid lizard. Ogunranti JO. **Lab Anim** 1987 Jul;21(3):183–7

A specific nuclear protein and poly(ADPribose)transferase activity in lizard oviduct during the reproductive cycle. Ciarcia G, et al. **Mol Cell Endocrinol** 1986 Oct;47(3):235–41

Behavioral facilitation of reproduction in sexual and unisexual whiptail lizards. Crews D, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9547–50

A comparison of structure–activity relationships within alpha–MSH on melanophores of Anolis carolinensis and Rana pipiens. Lucas A, et al. **Regul Pept** 1987 Jul; 18(1):43–50

[Reproduction of populations of Eremias olivieri (Reptilia, Lacertidae) from the Kerkennah Islands] Nouira S. **Arch Inst Pasteur Tunis** 1986 Dec;63(4):543–51 (Eng. Abstr.) **(Fre)**

[Effect of interstimulus interval on the kindling effect in reptiles (Gallotia galloti)] Gómez T, et al. **Arch Neurobiol (Madr)** 1987 Mar–Apr;50(2):88–94 (Eng. Abstr.) **(Spa)**

LOA

Extended cryopreservation of Loa loa and Mansonella perstans microfilariae from human peripheral blood. Cesbron JY, et al. **Trans R Soc Trop Med Hyg** 1986; 80(4):563

PHYSIOLOGY

Loa loa: output of microfilariae in single pair infections. Eberhard ML, et al. **Trop Med Parasitol** 1986 Dec; 37(4):369–74

ULTRASTRUCTURE

The fine structure of the female reproductive tract of adult Loa loa. Weber P. **Int J Parasitol** 1987 Apr;17(4):927–34

LOA LOA see **LOA**

LOACHES see **CYPRINIFORMES**

LOAIASIS see under **FILARIASIS**

LOBBYING see under **POLITICS**

LOBELINE

PHARMACODYNAMICS

[Influence of the cholinergic N1–receptor agonist lobeline on electrical and mechanical responses in guinea pig papillary muscle] Yan GX, et al. **Sheng Li Hsueh Pao** 1986 Dec;38(6):604–9 (Eng. Abstr.) **(Chi)**

LOBOTOMY see **PSYCHOSURGERY**

LOBSTEIN'S DISEASE see **OSTEOGENESIS IMPERFECTA**

LOBSTERS

ANALYSIS

Cadmium contamination in American lobster, Homarus americanus, near a coastal lead smelter: use of multiple linear regression for management. Uthe JF, et al. **Bull Environ Contam Toxicol** 1987 Apr;38(4):687–94

Polycyclic aromatic hydrocarbon contamination of American lobster, Homarus americanus, in the proximity of a coal–coking plant. Uthe JF, et al. **Bull Environ Contam Toxicol** 1986 Nov;37(5):730–8

Distribution and partial characterization of FMRFamide–like peptides in the stomatogastric nervous systems of the rock crab, Cancer borealis, and the spiny lobster, Panulirus interruptus. Marder E, et al. **J Comp Neurol** 1987 May 1;259(1):150–63

Identification and characterization of a polypeptide from a lobster neurosecretory gland that induces cyclic GMP accumulation in lobster neuromuscular preparations. Goy MF, et al. **J Neurochem** 1987 Mar;48(3):954–66

Proctolin in identified serotonergic, dopaminergic, and cholinergic neurons in the lobster, Homarus americanus. Siwicki KK, et al. **J Neurosci** 1987 Feb;7(2):522–32

ANATOMY & HISTOLOGY

Polarity orientations of microtubules in squid and lobster axons. Viancour TA, et al. **J Neurocytol** 1987 Feb; 16(1):69–75

Physiological identification, morphological analysis, and development of identified serotonin–proctolin containing neurons in the lobster ventral nerve cord. Beltz BS, et al. **J Neurosci** 1987 Feb;7(2):533–46

METABOLISM

Anemone toxin II receptor site of the lobster nerve sodium channel. Studies in membrane vesicles and in proteoliposomes. Correa AM, et al. **Biochim Biophys Acta** 1987 Mar 12;897(3):406–22

Disposition of phenanthrene and octachlorostyrene in spiny lobsters, Panulirus argus, after intragastric administration. Solbakken JE, et al. **Bull Environ Contam Toxicol** 1986 Nov;37(5):747–51

Purification and amino acid composition of a peptide with molt–inhibiting activity from the lobster, Homarus americanus. Chang ES, et al. **Gen Comp Endocrinol** 1987 Jan;65(1):56–64

1–14C–n–hexadecane disposition in the spiny lobster, Panulirus argus and the American lobster, Homarus americanus. Little PJ, et al. **J Environ Pathol Toxicol Oncol** 1986 May–Aug; 6(5–6):13–27

Biochemistry of an olfactory purinergic system: dephosphorylation of excitatory nucleotides and uptake of adenosine. Trapido–Rosenthal HG, et al. **J Neurochem** 1987 Oct;49(4):1174–82

PHYSIOLOGY

Potassium channel blockade induces rhythmic activity in a conditional burster neuron. Harris–Warrick RM, et al. **Brain Res** 1987 Jul 28;416(2):381–6

Pertussis toxin blocks presynaptic glutamate receptors—a novel 'glutamateB' receptor in the lobster neuromuscular synapse. Miwa A, et al. **Brain Res** 1987 Jul 21;416(1):162–5

Presynaptic glutamate receptor—possible involvement of a K+ channel. Miwa A, et al. **Brain Res** 1986 Oct 15; 385(1):161–4

Sexually dimorphic mechanosensitive swimmeret sensilla affect abdominal posture in the lobster. Kotak VC, et al. **J Neurobiol** 1986 Sep;17(5):421–9

Currents under voltage clamp of burst–forming neurons of the cardiac ganglion of the lobster (Homarus americanus). Tazaki K, et al. **J Neurophysiol** 1986 Dec;56(6):1739–62

Multiple mechanisms of bursting in a conditional bursting neuron. Harris–Warrick RM, et al. **J Neurosci** 1987 Jul; 7(7):2113–28

Modulation of the lobster pyloric rhythm by the peptide proctolin. Hooper SL, et al. **J Neurosci** 1987 Jul; 7(7):2097–112

Transmembrane ion balance in slowly and rapidly adapting lobster stretch receptor neurones. Edman A, et al. **J Physiol (Lond)** 1986 Aug;377:171–91

LOCAL AREA NETWORKS see under **COMPUTER SYSTEMS**

LOCATION DIRECTORIES AND SIGNS see under **FACILITY DESIGN AND CONSTRUCTION**

LOCKED–IN SYNDROME see **QUADRIPLEGIA**

LOCOMOTION

The ground reaction force pattern from the hindlimb of the horse simulated by a spring model. van Gurp M, et al. **Acta Anat (Basel)** 1987;129(1):31–3

Dynamic model of the equine hindlimb during the swing phase. van Gurp M, et al. **Acta Anat (Basel)** 1986; 127(4):279–84

Tonic inhibition of a new type of spinal interneurone during fictive locomotion in the lamprey. Brodin L, et al. **Acta Physiol Scand** 1986 Oct;128(2):327–9

Coordination of manual, postural, and locomotor movements during simple goal–directed motor tasks in parkinsonian off and on states. Ingvarsson P, et al. **Adv Neurol** 1987; 45:375–82

Muscle activity in the spinal cord–injured during wheelchair ambulation. Harburn KL, et al. **Am J Occup Ther** 1986 Sep;40(9):629–36

Contribution of vision variables to mobility in age–related maculopathy patients. Brown B, et al. **Am J Optom Physiol Opt** 1986 Sep;63(9):733–9

Mobility spectacles for a patient with ankylosing spondylitis [letter] Keller JT. **Am J Optom Physiol Opt** 1987 May; 64(5):388

Mobility spectacles for a patient with ankylosing spondylitis. Richer SP, et al. **Am J Optom Physiol Opt** 1986 Nov; 63(11):927–30

Morphometrics and niche metrics in prosimian locomotion: an approach to measuring locomotion, habitat, and diet. Crompton RH, et al. **Am J Phys Anthropol** 1987 Jun; 73(2):149–77

Relationships among walking performance, postural stability, and functional assessments of the hemiplegic patient. Dettmann MA, et al. **Am J Phys Med** 1987 Apr;66(2):77–90

Operant conditioning in relation to natural EMG during rapid human walking. Jaeger BJ, et al. **Am J Phys Med** 1987 Apr;66(2):59–76

Phase setting of circadian locomotor rhythm of infant rats. Honma K, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R256–61

Multivariate statistical analysis of stride–timing measurements of nonfatigued racing Thoroughbreds. Leach DH, et al. **Am J Vet Res** 1987 May;48(5):880–8

Energy cost of walking and exertional dyspnea in multiple sclerosis. Olgiati R, et al. **Am Rev Respir Dis** 1986 Nov; 134(5):1005–10

Parkinsonism: upturned walking stick as an aid to locomotion. Dunne JW, et al. **Arch Phys Med Rehabil** 1987 Jun; 68(6):380–1

Ambulation in the adolescent with myelomeningocele. I: Early childhood predictors. Findley TW, et al. **Arch Phys Med Rehabil** 1987 Aug;68(8):518–22

Environmental influences on locomotor recovery following cortical lesions in rats. Held JM, et al. **Behav Neurosci** 1985 Aug;99(4):678–90

A multivariate solution for cyclic data, applied in modelling locomotor forces. Hines WG, et al. **Biol Cybern** 1987; 56(1):1–9

Facts on optic flow. Koenderink JJ, et al. **Biol Cybern** 1987; 56(4):247–54

Movements of molluscs by computer simulation. Mogg BM, et al. **Biosystems** 1987;20(3):267–73

Inhibitory synaptic input to edge cells during fictive locomotion. Alford S, et al. **Brain Res** 1987 Apr 14; 409(1):139–42

Recovery of locomotion after chronic spinalization in the adult cat. Barbeau H, et al. **Brain Res** 1987 May 26; 412(1):84–95

Plasticity of fin command system function following spinal transection in larval sea lamprey. Currie SN, et al. **Brain Res** 1987 Jul 14;415(2):337–41

The mesencephalic locomotor region. II. Projections to reticulospinal neurons. Garcia–Rill E, et al. **Brain Res** 1987 May 12;411(1):13–20

Increased EMG of rat plantaris during locomotion following surgical removal of its synergists. Gardiner P, et al. **Brain Res** 1986 Aug 13;380(1):114–21

Asymmetrical regional changes in energy metabolism of the

central nervous system during walking. Schwartzman RJ, et al. **Brain Res** 1986 Nov 19;398(1):113–20

Glutamate and picrotoxin injections into the preoptic basal forebrain initiate locomotion in the anesthetized rat. Sinnamon HM. **Brain Res** 1987 Jan 6;400(2):270–7

Locomotion elicited by lateral hypothalamic stimulation in the anesthetized rat does not require the dorsal midbrain. Sinnamon HM, et al. **Brain Res** 1987 Jan 27;402(1):78–86

Stimulation of the pontomedullary reticular formation initiates locomotion in decerebrate birds. Steeves JD, et al. **Brain Res** 1987 Jan 20;401(2):205–12

Compensatory eye movements produced during fictive swimming of a deafferented, reduced preparation in vitro. Stehouwer DJ. **Brain Res** 1987 May 5;410(2):264–8

Anatomical and electrophysiological evidence for a projection from the medial preoptic area to the 'mesencephalic and subthalamic locomotor regions' in the rat. Swanson LW, et al. **Brain Res** 1987 Mar 3; 405(1):108–22

Locomotion–inducing sites in the vicinity of the pedunculopontine nucleus. Garcia–Rill E, et al. **Brain Res Bull** 1987 Jun;18(6):731–8

Projections of the mesencephalic locomotor region in the rat. Garcia–Rill E, et al. **Brain Res Bull** 1986 Jul;17(1):33–40

Treadmill–elicited stepping in seven–month–old infants. Thelen E. **Child Dev** 1986 Dec;57(6):1498–506

The energy cost of walking with arthritis of the hip and knee. Waters RL, et al. **Clin Orthop** 1987 Jan;(214):278–84

Software for analysis of equine ground reaction force data. Schamhardt HC, et al. **Comput Methods Programs Biomed** 1986 Dec;23(3):247–53

The effects of babywalkers on early locomotor development. Crouchman M. **Dev Med Child Neurol** 1986 Dec; 28(6):757–61

Promotion of ambulation of patients with spinal muscular atrophy by early fitting of knee–ankle–foot orthoses. Granata C, et al. **Dev Med Child Neurol** 1987 Apr; 29(2):221–4

Ambulation of children with myelomeningocele: parapodium versus parapodium with Orlau swivel modification. Lough LK, et al. **Dev Med Child Neurol** 1986 Aug;28(4):489–97

Transfer of variability from electromyogram to propulsive force in human locomotion. Brooke JD, et al. **Electromyogr Clin Neurophysiol** 1986 Aug–Sep; 26(5–6):389–400

Locomotion analysis technology for evaluation of lameness in horses. Leach DH. **Equine Vet J** 1987 Mar;19(2):97–9

The effect of non–visual preview upon the walking speed of visually impaired people. Clark–Carter DD, et al. **Ergonomics** 1986 Dec;29(12):1575–81

Validation of a simple mechanical accelerometer (pedometer) for the estimation of walking activity. Bassey EJ, et al. **Eur J Appl Physiol** 1987;56(3):323–30

The metabolic response to prolonged walking in fed and fasted men. Greenhaff PL, et al. **Eur J Appl Physiol** 1987; 56(1):115–9

Stopping a walking locust with sound: an analysis of variation in behavioural threshold. Moorhouse JE, et al. **Exp Biol** 1987;46(4):193–201

Efferent and afferent activity in a gastrocnemius nerve branch during locomotion in the thalamic cat. Bessou P, et al. **Exp Brain Res** 1986;64(3):553–68

Effects of deprivation of vision and vibrissae on goal–directed locomotion in cats. Crémieux J, et al. **Exp Brain Res** 1986; 65(1):229–34

Excitability of the soleus H–reflex arc during walking and stepping in man. Crenna P, et al. **Exp Brain Res** 1987; 66(1):49–60

Locomotor deficits in the mutant mouse, Lurcher. Fortier PA, et al. **Exp Brain Res** 1987;66(2):271–86

The role of Renshaw cells in locomotion: antagonism of their excitation from motor axon collaterals with intravenous mecamylamine. Noga BR, et al. **Exp Brain Res** 1987; 66(1):99–105

Evidence of rhythmic inhibitory synaptic influences in hindlimb motoneurons during fictive locomotion in the thalamic cat. Orsal D, et al. **Exp Brain Res** 1986; 64(1):217–24

Responses of interposed and dentate neurons to perturbations of the locomotor cycle. Schwartz AB, et al. **Exp Brain Res** 1987;67(2):323–38

Evidence for direct reciprocal interactions between the central rhythm generators for spinal "respiratory" and locomotor activities in the rabbit. Viala D. **Exp Brain Res** 1986;63(2):225–32

Effects of selective spinal cord lesions on hind limb locomotion in birds. Sholomenko GN, et al. **Exp Neurol** 1987 Feb;95(2):403–18

Effects of size and locomotor adaptations on the hominid pelvis: evaluation of australopithecine bipedality with a new multivariate method. Berge C, et al. **Folia Primatol (Basel)** 1986;46(4):185–204

Age–sex class differences in the positional behaviour of the Sumatran orang–utan (Pongo pygmaeus abelii) in the Gunung Leuser National Park, Indonesia. Sugardjito J, et al. **Folia Primatol (Basel)** 1986;47(1):14–25

Effects of muscle fiber distribution on the mechanical efficiency of human locomotion. Aura O, et al. **Int J Sports Med** 1987 Mar;8 Suppl 1:30–7

Retraining of functional gait through the reduction of upper extremity weight–bearing in chronic cerebellar ataxia. Balliet R, et al. **Int Rehabil Med** 1987;8(4):148–53

Increasing distance and independence of ambulation in elderly nursing home residents. Burgio LD, et al. **J Appl Behav Anal** 1986 Winter;19(4):357–66

Intensity and energy cost of weighted walking vs. running for men and women. Miller JF, et al. **J Appl Physiol** 1987 Apr;62(4):1497–501

Metabolic cost of walking: equation and model. Workman JM, et al. **J Appl Physiol** 1986 Oct;61(4):1369–74

Factors influencing walking and stairclimbing following unicompartmental knee arthroplasty. Weinstein JN, et al. **J Arthroplasty** 1986;1(2):109–15

Helical motion analysis of the knee—I. Methodology for studying kinematics during locomotion. Shiavi R, et al. **J Biomech** 1987;20(5):459–69

A technique to quantify skin displacement in the walking horse. van Weeren PR, et al. **J Biomech** 1986;19(10):879–83

Energy transfers in the spinal engine. Gracovetsky SA, et al. **J Biomed Eng** 1987 Apr;9(2):99–114

State variable approach to the function of the muscular system supporting the hip joint during normal walking. Grigoriadou–Koukis M. **J Biomed Eng** 1987 Jan;9(1):88–93

Functional electrical stimulation for walking in paraplegia. Marsolais EB, et al. **J Bone Joint Surg [Am]** 1987 Jun; 69(5):728–33

Contact pressures in the human hip joint. Afoke NY, et al. **J Bone Joint Surg [Br]** 1987 Aug;69(4):536–41

Intracellular stimulation of sensory cells elicits swimming activity in the medicinal leech. Debski EA, et al. **J Comp Physiol [A]** 1987 Apr;160(4):447–57

Localization of the chemoreceptive properties of the surface membrane of Paramecium tetraurelia. Preston RR, et al. **J Comp Physiol [A]** 1987 Apr;160(4):537–41

Thermal dependence of sprint performance of the lizard Sceloporus occidentalis. Marsh RL, et al. **J Exp Biol** 1986 Nov;126:79–87

The kinematics of locomotion toward a goal. Killeen PR, et al. **J Exp Psychol [Anim Behav]** 1987 Jan;13(1):92–101

Use of two–dimensional grid patterns to limit hazardous ambulation in demented patients. Hussian RA, et al. **J Gerontol** 1987 Sep;42(5):558–60

Cat hindlimb motoneurons during locomotion. I. Destination, axonal conduction velocity, and recruitment threshold. Hoffer JA, et al. **J Neurophysiol** 1987 Feb;57(2):510–29

Cat hindlimb motoneurons during locomotion. II. Normal activity patterns. Hoffer JA, et al. **J Neurophysiol** 1987 Feb;57(2):530–53

Cat hindlimb motoneurons during locomotion. III. Functional segregation in sartorius. Hoffer JA, et al. **J Neurophysiol** 1987 Feb;57(2):554–62

Climbing fiber afferent modulation during treadmill locomotion in the cat. Kim JH, et al. **J Neurophysiol** 1987 Mar;57(3):787–802

Force–sensitive mechanoreceptors of the dactyl of the crab: single–unit responses during walking and evaluation of function. Libersat F, et al. **J Neurophysiol** 1987 May; 57(5):1618–37

Cat hindlimb motoneurons during locomotion. IV. Participation in cutaneous reflexes. Loeb GE, et al. **J Neurophysiol** 1987 Feb;57(2):563–73

Ia inhibitory interneurons and Renshaw cells as contributors to the spinal mechanisms of fictive locomotion. Pratt CA, et al. **J Neurophysiol** 1987 Jan;57(1):56–71

Neural control of limb coordination. I. Comparison of hatching and walking motor output patterns in normal and deafferented chicks. Bekoff A, et al. **J Neurosci** 1987 Aug; 7(8):2320–30

Stepping behaviors in chronic spinal cats with one hindlimb deafferented. Giuliani CA, et al. **J Neurosci** 1987 Aug; 7(8):2537–46

A ladder paradigm for studying skilled and adaptive locomotion in the cat. Amos A, et al. **J Neurosci Methods** 1987 Aug;20(4):323–40

Questionnaire, walking time and button test measures of functional capacity as predictive markers for mortality in rheumatoid arthritis. Pincus T, et al. **J Rheumatol** 1987 Apr;14(2):240–51

What are we measuring? An examination of walk time and grip strength. Spiegel JS, et al. **J Rheumatol** 1987 Feb; 14(1):80–6

Orientation of the snail Biomphalaria straminea (Dunker, 1848) in response to light in a situation of selection. Schall VT, et al. **Mem Inst Oswaldo Cruz** 1986 Jul–Sep; 81(3):255–63

Migration and hominid bipedalism [letter] Sinclair AR, et al. **Nature** 1986 Nov 27–Dec 3;324(6095):307–8

Relationships between electromyography and kinematics in human stepping strategies. Beuter A, et al. **Neurosci Lett** 1987 Jun 1;77(1):119–23

Effect of cooling of the culmen of the cerebellar vermis on chemically induced stepping in guinea pigs. Liu SY, et al. **Neurosci Lett** 1987 Jan 2;73(1):53–8

Relationship between phrenic and hindlimb extensor activities during fictive locomotion. Viala D, et al. **Neurosci Lett** 1987 Feb 10;74(1):49–52

Changeover from alternate to synchronous bilateral pattern of the phrenic bursts entrained by fictive locomotion in the spinal rabbit preparation. Viala D, et al. **Neurosci Lett** 1987 Aug 5;78(3):318–22

Monopodal fictive locomotion evoked by cervical cord stimulation in decerebrate cats. Yamaguchi T. **Neurosci Lett** 1987 Feb 10;74(1):69–74

Midbrain stimulation in the anesthetized rat: direct locomotor effects and modulation of locomotion produced by hypothalamic stimulation. Sinnamon HM, et al. **Neuroscience** 1987 Feb;20(2):695–707

Benign acute childhood myositis: an unusual cause of refusal to walk. Horton L, et al. **Pediatr Emerg Care** 1986 Sep; 2(3):170–2

Walking by a profoundly retarded woman: five–year follow–up. Feldstein JH, et al. **Percept Mot Skills** 1987 Feb;64(1):126

Sensitivity to perspective structure while walking without vision. Rieser JJ, et al. **Perception** 1986;15(2):173–88

Evaluation of functional ankle dorsiflexion using subtalar neutral position. A clinical report. Tiberio D. **Phys Ther** 1987 Jun;67(6):955–7

A quantitative study of normal locomotion in the rat. Clarke KA, et al. **Physiol Behav** 1986;38(3):345–51

Integration of learned and naturally occurring flexor EMG in the human step cycle. Wetzel MC, et al. **Physiol Behav** 1986;38(1):41–51

Light paired with serotonin mimics the effect of conditioning on phototactic behavior of Hermissenda. Crow T, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7975–8

Integration of posture and locomotion in acute decerebrate cats and in awake, freely moving cats. Mori S. **Prog Neurobiol** 1987;28(2):161–95 (153 ref.)

Altered locomotor activity in neuropsychiatric patients. Teicher MH, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1986; 10(6):755–61

Role of peripheral afferents and spinal reflexes in normal and impaired human locomotion. Dietz V. **Rev Neurol (Paris)** 1987;143(4):241–54

Walking after stroke. Measurement and recovery over the first 3 months. Wade DT, et al. **Scand J Rehabil Med** 1987; 19(1):25–30

Newly identified 'glutamate interneurons' and their role in locomotion in the lamprey spinal cord. Buchanan JT, et al. **Science** 1987 Apr 17;236(4799):312–4

Bipedal vertebrates [letter] Farlow JO. **Science** 1987 Apr 17; 236(4799):243

Four legs bad, two legs good [news] Lewin R. **Science** 1987 Feb 27;235(4792):969–71

Bipedal locomotion [letter] Marks J. **Science** 1987 Jun 12; 236(4807):1412

Climbing adaptations in the early eocene mammal Chriacus and the origin of artiodactyla. Rose KD. **Science** 1987 Apr 17;236(4799):314–6

[The treatment of patients with intermittent claudication with walking exercises (letter)] Lawson JA, et al. **Ned Tijdschr Geneeskd** 1986 Oct 11;130(41):1854–5 **(Dut)**

[Status of biomechanical studies of gait] Willinger R, et al. **Acta Orthop Belg** 1987;53(1):12–24 (73 ref.) (Eng. Abstr.) **(Fre)**

[Advice of the phlebologist concerning care of the foot, walking and the selection of shoes] Reinharez D. **Phlebologie** 1987 Apr–Jun;40(2):355–64 (Eng. Abstr.) **(Fre)**

[Walking in the elderly and its problems] Delwaide PJ. **Rev Med Liege** 1986 Nov 1;41(21):864–7 **(Fre)**

[Development of a portable computerized gait analysis system and measurement of the force distribution under the foot in various modes of walking] Makikawa M, et al. **Iyodenshi To Seitai Kogaku** 1986 Jun;24(3):169–74 (Eng. Abstr.) **(Jpn)**

[Measurement of body movement with special emphasis on locomotion] Miyazaki S. **Iyodenshi To Seitai Kogaku** 1986 Aug;24(4):266–71 (24 ref.) **(Jpn)**

[Locomotor prognosis at 4 years in cerebral palsy] Kanda T, et al. **No To Hattatsu** 1987 Jan;19(1):16–21 (Eng. Abstr.) **(Jpn)**

[An epidemiological study on shuffling babies at a health check–up at 18 months of age] Narazaki O, et al. **No To Hattatsu** 1986;18(6):484–9 (Eng. Abstr.) **(Jpn)**

[Locomotive capacity of patients after injuries of the cervical segment of the spinal cord] Kiwerski J. **Chir Narzadow Ruchu Ortop Pol** 1986;51(4):255–60 (Eng. Abstr.) **(Pol)**

[Cellular mechanisms of disordered locomotor function of muscles in children with cerebral spastic paralysis] Nesterov VP, et al. **Fiziol Cheloveka** 1986 Sep–Oct; 12(5):784–92 **(Rus)**

[Energy expenditure during human walking and running (meta–analysis)] Zatsiorskiĭ VM, et al. **Fiziol Cheloveka** 1987 Jan–Feb;13(1):133–8 **(Rus)**

[Activity of spinal cord neurons and their responses to stimulation of the "stepping" strip during spontaneous locomotor rhythmicity] Kazennikov OV, et al. **Fiziol Zh SSSR** 1987 May;73(5):644–50 (Eng. Abstr.) **(Rus)**

[Effect of the locomotor system of the pedal ganglia of the pteropodial mollusk on anatomically isolated neurons] Arshavskiĭ IuI, et al. **Neirofiziologiia** 1986;18(6):756–63 (Eng. Abstr.) **(Rus)**

[Structural organization and connections of the locomotor strip of the medulla oblongata of the cat] Baev KV, et al. **Neirofiziologiia** 1987;19(3):308–15 (Eng. Abstr.) **(Rus)**

[Activity of neurons of the motor–sensory cortex of the cat during natural walking on the rungs of a horizontal ladder] Beloozerova IN, et al. **Neirofiziologiia** 1986;18(4):543–5 (Eng. Abstr.) **(Rus)**

[Activity of neurons of the motor–sensory cortex of the cat

during natural locomotion while stepping over obstacles] Beloozerova IN, et al. **Neirofiziologiia** 1986;18(4):546–9 (Eng. Abstr.) **(Rus)**

[Afferent connections of the mesencephalic locomotor area of the cat brain] Berezovskiĭ VK, et al. **Neirofiziologiia** 1986;18(6):763–73 (Eng. Abstr.) **(Rus)**

[Changes in the excitability of motor neurons and synaptic effects on them during the formation of a locomotor generator in the cat] Degtiarenko AM, et al. **Neirofiziologiia** 1986;18(5):679–87 (Eng. Abstr.) **(Rus)**

[Responses of medullary neurons to stimulation of locomotor and inhibitory loci in the brain stem of the cat] Mori Sh, et al. **Neirofiziologiia** 1986;18(4):525–33 (Eng. Abstr.) **(Rus)**

[Mesencephalic locomotor region of the guinea pig] Tsitsabadze FI. **Neirofiziologiia** 1987;19(2):271–4 (Eng. Abstr.) **(Rus)**

[Presynaptic mechanisms of the change in segmental responses accompanying the formation of the spinal locomotor generator in the cat] Zavadskaia TV, et al. **Neirofiziologiia** 1986;18(5):669–78 (Eng. Abstr.) **(Rus)**

[Active hip prosthesis] Kuzhekin AP. **Ortop Travmatol Protez** 1986 Dec;(12):35–8 **(Rus)**

[A device for computerized podography] Miteleva ZM, et al. **Ortop Travmatol Protez** 1986 Oct;(10):60–1 **(Rus)**

DRUG EFFECTS

The mesencephalic locomotor region. I. Activation of a medullary projection site. Garcia-Rill E, et al. **Brain Res** 1987 May 12;411(1):1–12

Anisomycin, an inhibitor of protein synthesis, perturbs the phase of a mammalian circadian pacemaker. Takahashi JS, et al. **Brain Res** 1987 Mar 3;405(1):199–203

In morphinised rats SKF 38393 converts dopamine D2 receptor-mediated forward locomotion into backward walking. Axon DI, et al. **Pharmacol Biochem Behav** 1987 Jan;26(1):45–7

[Effects of amiridin on ambulatory activity and the discrete shuttle avoidance response in mice] Kuribara H. **Nippon Yakurigaku Zasshi** 1986 Oct;88(4):299–307 (Eng. Abstr.) **(Jpn)**

LOCOMOTION, CELL see **CELL MOVEMENT**

LOCOMOTOR ATAXIA see **TABES DORSALIS**

LOCUS COERULEUS

ANALYSIS

Immunohistochemical studies on GABAergic neurons in the rat locus coeruleus, with special reference to their relationship to astrocytes. Iijima K, et al. **Acta Anat (Basel)** 1987;129(2):116–22

ANATOMY & HISTOLOGY

Differential labeling of the vestibular complex following unilateral injections of horseradish peroxidase into the cat and rat locus coeruleus. Fung SJ, et al. **Brain Res** 1987 Jan 20;401(2):347–52

Projections of nucleus paragigantocellularis lateralis to locus coeruleus and other structures in rat. Guyenet PG, et al. **Brain Res** 1987 Mar 17;406(1–2):171–84

Immunohistochemical evidence for the adrenergic medullary longitudinal bundle as a major ascending pathway to the locus coeruleus. Astier B, et al. **Neurosci Lett** 1987 Feb 24;74(2):132–8

The mode of projections of single locus coeruleus neurons to the cerebral cortex in rats. Sakaguchi T, et al. **Neuroscience** 1987 Jan;20(1):221–30

CYTOLOGY

The effect of GM1 ganglioside on coerulospinal, noradrenergic, adult neurons and on fetal monoaminergic neurons transplanted into the transected spinal cord of the adult rat. Commissiong JW, et al. **Brain Res** 1986 Aug 20;380(2):205–15

Responsiveness of locus ceruleus neurons in hypertensive rats to vasopressin. Berecek KH, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III110–3

Single-unit response of noradrenergic neurons in the locus coeruleus of freely moving cats. II. Adaptation to chronically presented stressful stimuli. Abercrombie ED, et al. **J Neurosci** 1987 Sep;7(9):2844–8

Single-unit response of noradrenergic neurons in the locus coeruleus of freely moving cats. I. Acutely presented stressful and nonstressful stimuli. Abercrombie ED, et al. **J Neurosci** 1987 Sep;7(9):2837–43

Alpha-2 receptor blockade increases responsiveness of locus coeruleus neurons to excitatory stimulation. Simson PE, et al. **J Neurosci** 1987 Jun;7(6):1732–40

Electrophysiological actions of cocaine on noradrenergic neurons in rat locus ceruleus. Pitts DK, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):345–51

Electrophysiological effects of the enantiomers of 3-PPP on neurons in the locus coeruleus of the rat. Elam M, et al. **Neuropharmacology** 1986 Sep;25(9):1003–8

DRUG EFFECTS

Capsaicin-induced excitation of locus coeruleus neurons. Hajós M, et al. **Acta Physiol Scand** 1987 Mar;129(3):415–20

Gamma-vinyl-GABA injection in the locus coeruleus region of the rat. Effect on spontaneous behavior and stress responses. Rodríquez-Enchandía EL, et al. **Adv Biochem Psychopharmacol** 1986;42:93–102

Evidence that locus coeruleus is the site where clonidine and drugs acting at alpha 1- and alpha 2-adrenoceptors affect sleep and arousal mechanisms. De Sarro GB, et al. **Br J Pharmacol** 1987 Apr;90(4):675–85

The effects of peripheral D-amphetamine, 4-OH amphetamine, and epinephrine on maintained discharge in the locus coeruleus with reference to the modulation of learning and memory by these substances. Holdefer RN, et al. **Brain Res** 1987 Aug 4;417(1):108–17

Electrophysiological evidence for locus coeruleus norepinephrine autoreceptor subsensitivity following subchronic administration of D-amphetamine. Ramirez OA, et al. **Brain Res** 1986 Oct 22;385(2):415–9

Effect of hallucinogens on spontaneous and sensory-evoked locus coeruleus unit activity in the rat: reversal by selective 5-HT2 antagonists. Rasmussen K, et al. **Brain Res** 1986 Oct 22;385(2):395–400

Phenethylamine hallucinogens in the locus coeruleus: potency of action correlates with rank order of 5-HT2 binding affinity. Rasmussen K, et al. **Eur J Pharmacol** 1986 Dec 2;132(1):79–82

Effect of buspirone on single unit activity in locus coeruleus and dorsal raphe nucleus in behaving cats. Wilkinson LO, et al. **Eur J Pharmacol** 1987 Apr 7;136(1):123–7

Microinjected clonidine inhibits noradrenergic neurons of the locus coeruleus in freely moving cats. Abercrombie ED, et al. **Neurosci Lett** 1987 May 6;76(2):203–8

Aged mice are more sensitive to 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine treatment than young adults. Gupta M, et al. **Neurosci Lett** 1986 Oct 20;70(3):326–31

Carbachol-induced increases in locus coeruleus spontaneous activity are associated with an altered pattern of response to sensory stimuli. Valentino RJ, et al. **Neurosci Lett** 1987 Mar 9;74(3):297–303

Actions of acetylcholine and nicotine on rat locus coeruleus neurons in vitro. Egan TM, et al. **Neuroscience** 1986 Oct;19(2):565–71

[Effect of an analog of vasopressin on the fixation of temporary connections in the intact rat and after destruction of the locus coeruleus] Kruglikov RI, et al. **Zh Vysh Nerv Deiat** 1987 Jan-Feb;37(1):95–9 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Denervation of serotonergic fibers in the hippocampus induced a trophic factor which enhances the maturation of transplanted serotonergic neurons but not norepinephrine neurons. Zhou FC, et al. **J Neurosci Res** 1987;17(3):235–46

ENZYMOLOGY

Inhibition of tyrosine hydroxylase activity by serotonin in explants of newborn rat locus coeruleus. Devau G, et al. **J Neurochem** 1987 Sep;49(3):665–70

In vivo biosynthesis of two subunit forms of dopamine beta-hydroxylase in rat brain. Sabban EL, et al. **J Neurosci** 1987 Jan;7(1):192–200

GROWTH & DEVELOPMENT

6-Hydroxydopamine induces serotonergic axon sprouting in cerebral cortex of newborn rat. Blue ME, et al. **Brain Res** 1987 Apr;429(2):255–69

Evidence that selective collateral elimination during postnatal development results in a restriction in the distribution of locus coeruleus neurons which project to the spinal cord in rats. Chen KS, et al. **Brain Res** 1987 Apr 28;410(1):154–8

Cerebellum plus locus coeruleus in tissue culture. II: Development and metabolism of catecholamines. Woodward WR, et al. **J Neurosci Res** 1987;17(2):184–8

INJURIES

[Amygdaloid kindling in the rat after a lesion of the locus coeruleus induced by 6-hydroxydopamine] N'Gouemo P, et al. **C R Soc Biol (Paris)** 1987;181(1):22–9 (Eng. Abstr.) **(Fre)**

METABOLISM

Blockade of pro-oestrus LH surge and ovulation by GABA increase in the rat locus coeruleus. Landa AI, et al. **Acta Endocrinol (Copenh)** 1987 Aug;115(4):490–6

Circadian covariation of norepinephrine and serotonin in the locus coeruleus and dorsal raphe nucleus in the rat. Agren H, et al. **Brain Res** 1986 Nov 12;397(2):353–8

Biochemical evidence for an interaction between adrenaline and noradrenaline neurons in the rat brainstem. Astier B, et al. **Brain Res** 1986 Nov 12;397(2):333–40

Parkinson's disease and dementia: norepinephrine and dopamine in locus coeruleus. Cash R, et al. **Neurology** 1987 Jan;37(1):42–6

Variations in 3,4-dihydroxyphenylacetic acid concentration are correlated to single cell firing changes in the rat locus coeruleus. Quintin L, et al. **Neuroscience** 1986 Aug;18(4):889–99

[Changes in the catecholamine content of brain structures in rats subjected to immobilization stress] Lobanova NN, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):526–7 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Long survival in Fukuyama congenital muscular dystrophy: occurrence of neurofibrillary tangles in the nucleus basalis of Meynert and locus ceruleus. Takada K, et al. **Acta Neuropathol (Berl)** 1986;71(3–4):228–32

Locus ceruleus lesions and eosinophilic inclusions in MPTP-treated monkeys. Forno LS, et al. **Ann Neurol** 1986 Oct;20(4):449–55

Comparison of counts of neurons in the locus coeruleus made from serial sections and from a single section at the centre of the nucleus. Mountjoy CQ, et al. **Can J Neurol Sci** 1986 Nov;13(4 Suppl):480–2

The topography of cell loss from locus caeruleus in Alzheimer's disease. Marcyniuk B, et al. **J Neurol Sci** 1986 Dec;76(2–3):335–45

[Morphometric study of the human locus coeruleus. The changes in aging and degenerative neurological diseases] Yoshinaga T. **Fukuoka Igaku Zasshi** 1986 Jun;77(6):293–308 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Cerebrovascular permeability to horseradish peroxidase in hypertensive rats: effects of unilateral locus coeruleus lesion. Nag S, et al. **Acta Neuropathol (Berl)** 1987;73(3):247–53

The role of the locus coeruleus in the gain regulation of vestibulospinal reflexes. Pompeiano O, et al. **Acta Otolaryngol (Stockh)** 1987 May-Jun;103(5–6):404–9

Presynaptic facilitatory action of locus coeruleus stimulation upon hindlimb sensory impulse transmission in decerebrate cats. Fung SJ, et al. **Arch Ital Biol** 1987 Jul;125(3):187–200

Coerulospinal enhancement of repetitive firing with correlative changes in postspike afterhyperpolarization of cat spinal motoneurons. Fung SJ, et al. **Arch Ital Biol** 1987 Jul;125(3):171–86

Increased efficacy of antidromic and orthodromic activation of cat alpha motoneurons upon arrival of coerulospinal volleys. Fung SJ, et al. **Arch Ital Biol** 1986 Oct;124(4):229–43

Effects of local injection of the alpha 2-adrenergic agonist clonidine into the locus coeruleus complex on the gain of vestibulospinal and cervicospinal reflexes in decerebrate cats. Pompeiano O, et al. **Arch Ital Biol** 1987 Jul;125(3):225–69

The effects of lesions to noradrenergic projections from the locus coeruleus and lateral tegmental cell groups on conditioned taste aversion in the rat. Dunn LT, et al. **Behav Neurosci** 1987 Jun;101(3):409–22

Locus coeruleus and anxiety [letter] Pohl R, et al. **Biol Psychiatry** 1987 Jan;22(1):116–7

Membrane excitability changes in hindlimb motoneurons induced by stimulation of the locus coeruleus in cats. Fung SJ, et al. **Brain Res** 1987 Feb 3;402(2):230–42

Suppression of the recurrent inhibitory pathway in lumbar cord segments during locus coeruleus stimulation in cats. Fung SJ, et al. **Brain Res** 1987 Feb 3;402(2):351–4

Which is responsible for circling behavior in rats, locus coeruleus or dorsolateral pontine tegmentum? Matsuoka S, et al. **Brain Res** 1986 Nov 29;398(2):253–8

Single unit activity of noradrenergic neurons in locus coeruleus and serotonergic neurons in the nucleus raphe dorsalis of freely moving cats in relation to the cardiac cycle. Morilak DA, et al. **Brain Res** 1986 Dec 10;399(2):262–70

Anomalous rectification in rat locus coeruleus neurons. Osmanović SS, et al. **Brain Res** 1987 Aug 4;417(1):161–6

Stimulation of the locus coeruleus decreases arterial pressure. Sved AF, et al. **Brain Res** 1987 Jun 23;414(1):119–32

Locus coeruleus stimulation modulates olfactory bulb evoked potentials. Perez H, et al. **Brain Res Bull** 1987 Jun;18(6):767–70

Antidromic activation of rat dorsomedial hypothalamic neurons from locus coeruleus and median eminence. Shirokawa T, et al. **Brain Res Bull** 1987 Mar;18(3):291–5

Effect of locus coeruleus and periventricular gray substance lesions on suprachiasmatic damage-induced persistent estrous. Solano-Flores LP, et al. **Brain Res Bull** 1987 Mar;18(3):429–35

Effect of locus coeruleus and periventricular gray substance lesions on bright light-induced persistent estrous. Solano-Flores LP, et al. **Brain Res Bull** 1986 Dec;17(6):759–65

Similar poststimulatory pressor responses with different mechanisms in response to excitation of the locus coeruleus before and after acute adrenalectomy. Drolet G, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1136–41

The possible role of locus coeruleus noradrenergic activity in anxiety-panic. Redmond DE Jr. **Clin Neuropharmacol** 1986;9 Suppl 4:40–2

Unilateral lesions in locus coeruleus area enhance paradoxical sleep. Caballero A, et al. **Electroencephalogr Clin Neurophysiol** 1986 Oct;64(4):339–46

Suppression of penicillin-induced epileptiform activity by noxious stimulation: mediation by 5-hydroxytryptamine. Neuman RS. **Electroencephalogr Clin Neurophysiol** 1986 Dec;64(6):546–55

Effect of locus coeruleus stimulation on the development of kindled seizures. Jimenez-Rivera C, et al. **Exp Neurol** 1987

Jan;95(1):13–20

Involvement of noradrenergic systems in the effects of conditioning stimulation of the lower brain stem on the lumbar spinal reflex in rats. Hino M, et al. **Gen Pharmacol** 1987;18(1):41–5

Spinal pathways mediating tonic, coeruleospinal, and raphe–spinal descending inhibition in the rat. Jones SL, et al. **J Neurophysiol** 1987 Jul;58(1):138–59

Noradrenergic neurons from the locus ceruleus in dissociated cell culture: culture methods, morphology, and electrophysiology. Masuko S, et al. **J Neurosci** 1986 Nov; 6(11):3229–41

Inhibitory synaptic potentials recorded from mammalian neurones prolonged by blockade of noradrenaline uptake. Surprenant A, et al. **J Physiol (Lond)** 1987 Jan;382:87–103

Involvement of the locus coeruleus in the potentiation of the quipazine–induced head–twitch response by diazepam and beta–adrenoceptor agonists. Handley SL, et al. **Neuropharmacology** 1986 Dec;25(12):1315–21

Changes in evoked potentials of rabbit visual field during stimulation of raphe nuclei and locus ceruleus. Gasanov GG, et al. **Neurosci Behav Physiol** 1987 Mar–Apr; 17(2):136–8

Locus ceruleus and neuronal activity of the reticular nucleus of the thalamus. Nanobashvili ZI, et al. **Neurosci Behav Physiol** 1986 Sep–Oct;16(5):430–6

A potent excitatory input to the nucleus locus coeruleus from the ventrolateral medulla. Ennis M, et al. **Neurosci Lett** 1986 Nov 21;71(3):299–305

Reduced responsiveness of locus coeruleus neurons to cutaneous thermal stimuli in capsaicin–treated rats. Hajós M, et al. **Neurosci Lett** 1986 Oct 20;70(3):382–7

Kappa opioid receptor activation depresses excitatory synaptic input to rat locus coeruleus neurons in vitro. McFadzean I, et al. **Neuroscience** 1987 Jan;20(1):231–9

Clonidine–induced sedation is not modified by single or combined neurochemical lesions of the locus coeruleus, the median and dorsal raphe nuclei. Nassif–Caudarella S, et al. **Pharmacol Biochem Behav** 1986 Dec;25(6):1211–6

No increase in reaction–time after lesion of the dorsal noradrenergic bundle. Brenner E, et al. **Physiol Behav** 1987; 39(5):653–6

Effects of lesions to the dorsal noradrenergic bundle on counterconditioning of punished barpressing. Tsaltas E, et al. **Physiol Behav** 1987;40(1):7–15

The role of the locus coeruleus–limbic noradrenergic transmission in the action of antidepressant drugs. Kostowski W, et al. **Psychopharmacol Bull** 1986; 22(2):512–22

Peripheral, autonomic regulation of locus coeruleus noradrenergic neurons in brain: putative implications for psychiatry and psychopharmacology. Svensson TH. **Psychopharmacology (Berlin)** 1987;92(1):1–7 (49 ref.)

The brain nucleus locus coeruleus: restricted afferent control of a broad efferent network. Aston–Jones G, et al. **Science** 1986 Nov 7;234(4777):734–7

Increased cerebral blood flow during hypercapnia is not affected by lesion of the nucleus locus ceruleus. Harik SI, et al. **Stroke** 1986 Nov–Dec;17(6):1235–8

[Relationship between the pressor effect of electroacupuncture and the functions of A1, A5, and locus coeruleus nuclei] Li HL, et al. **Chen Tzu Yen Chiu** 1986; 11(1):44–9 (Eng. Abstr.) **(Chi)**

[Effect of raphe dorsalis and locus coeruleus stimulation on evoked potential in the hypothalamic arcuate nucleus area] Duanmu ZX, et al. **Sheng Li Hsueh Pao** 1985 Dec; 37(6):517–24 (Eng. Abstr.) **(Chi)**

[Effects of stimulation of the locus coeruleus on the electrical and mechanical activities of the stomach of rats] Li ZL, et al. **Sheng Li Hsueh Pao** 1986 Oct;38(5):468–74 (Eng. Abstr.) **(Chi)**

[Effect of electrical stimulation of the locus coeruleus on the urinary output in rats] Wang HY, et al. **Sheng Li Hsueh Pao** 1987 Feb;39(1):103–5 (Eng. Abstr.) **(Chi)**

[Morphofunctional changes in the adrenergic innervation of the major cerebral arteries during bilateral electrostimulation of the locus coeruleus] Taiushev KG, et al. **Biull Eksp Biol Med** 1987 Feb;103(2):218–21 (Eng. Abstr.) **(Rus)**

[Effect of electric stimulation of raphe nuclei and the locus coeruleus on the synchronization of cortical potentials in the rabbit] Mamedov ZG, et al. **Zh Vyssh Nerv Deiat** 1987 May–Jun;37(3):559–62 **(Rus)**

[2 forms of noradrenergic modulation of neocortical neurons in the early ontogenesis of the cat] Raevskiĭ VV. **Zh Vyssh Nerv Deiat** 1987 May–Jun;37(3):553–5 **(Rus)**

PHYSIOPATHOLOGY

Alterations in responsiveness of noradrenergic neurons of the locus coeruleus in deoxycorticosterone acetate (DOCA)–salt hypertensive rats. Berecek KH, et al. **Brain Res** 1987 Jan 20;401(2):303–11

Activity of locus coeruleus neurons in amygdala kindled rats: role in the suppression of afterdischarge. Bonhaus DW, et al. **Brain Res** 1987 Mar 24;407(1):102–9

Depression in an animal model: focus on the locus ceruleus. Weiss JM, et al. **Ciba Found Symp** 1986;123:191–215

Mechanisms of epileptic brain damage: evidence for a protective role of the noradrenergic locus coeruleus system in the rat. Nevander G, et al. **Exp Brain Res** 1986; 63(2):439–42

Locus coeruleus neurons show reduced alpha 2–receptor responsiveness and decreased basal activity in spontaneously hypertensive rats. Engberg G, et al. **J Neural Transm** 1987;69(1–2):71–83

Quantitative characterization of ceruleospinal inhibition of nociceptive transmission in the rat. Jones SL, et al. **J Neurophysiol** 1986 Nov;56(5):1397–410

[Histopathologic and neurochemical correlations as a function of lesions of the locus coeruleus region in the cat (I)] Marchand R, et al. **Can J Neurol Sci** 1979 Feb; 6(1):27–37 (Eng. Abstr.) **(Fre)**

RADIATION EFFECTS

[Action of high and superhigh doses of fission neutrons and gamma quanta on the central noradrenergic formation of the brain—on the locus coeruleus (the blue spot)] Lavrova GA, et al. **Radiobiologiia** 1987 Mar–Apr;27(2):238–41 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Norepinephrine deficiency and behavioral senescence in aged rats. Transplanted locus ceruleus neurons as an experimental replacement therapy. Collier TJ, et al. **Ann NY Acad Sci** 1987;495:396–403

Transplants of embryonic brainstem containing the locus coeruleus into spinal cord enhance the hindlimb flexion reflex in adult rats. Buchanan JT, et al. **Brain Res** 1986 Sep 3;381(2):225–36

LOCUS OF CONTROL see **INTERNAL–EXTERNAL CONTROL**

LOCUSTS see **GRASSHOPPERS**

LOD SCORE see under **LINKAGE (GENETICS)**

LOEFFLER SYNDROME see **PULMONARY EOSINOPHILIA**

LOFEPRAMINE see under **DIBENZAZEPINES**

LOGIC

Re: "On the logic of causal inference" [letter] **Am J Epidemiol** 1987 Jul;126(1):155–8

Re: "On the logic of causal inference" [letter]Karhausen LR. **Am J Epidemiol** 1987 Sep;126(3):556–7

On the logic and practice of epidemiology [letter] Maclure M. **Am J Epidemiol** 1987 Sep;126(3):554–6

The logic of Sir Karl Popper and the practice of epidemiology. Susser M. **Am J Epidemiol** 1986 Nov; 124(5):711–8

Nonlogical factors in research: chance and serendipity. Rothstein A. **Biochem Cell Biol** 1986 Nov;64(11):1055–65

Young children's sensitivity to logical necessity in their inferential search behavior. Fabricius WV, et al. **Child Dev** 1987 Apr;58(2):409–23

The development of functionally similar and dissimilar operations of exclusion. Hubbs–Tait L. **Child Dev** 1986 Aug;57(4):934–41

Diagnosis: logic and psycho–logic [editorial] **Lancet** 1987 Apr 11;1(8537):840–1

"The burden of disproof..."Katch V. **Med Sci Sports Exerc** 1986 Oct;18(5):593–5

The social origins of logic: the contributions of Piaget and Vygotsky. Forman EA, et al. **New Dir Child Dev** 1985 Sep;(29):23–39

Deduction, inference and illation. Murphy EA, et al. **Theor Med** 1986 Oct;7(3):329–53

[Logical and probabilistic bases of decision analysis in clinical medicine] Liberati E, et al. **Clin Ter** 1987 Apr 15; 121(1):3–14 (Eng. Abstr.) **(Ita)**

[The so–called diagnostic hypothesis] Smolenskiĭ VS, et al. **Klin Med (Mosk)** 1986 Sep;64(9):133–7 (Eng. Abstr.) **(Rus)**

LOLIUM see under **GRASSES**

LOMUSTINE

ADMINISTRATION & DOSAGE

Evaluation of CCNU and misonidazole in the treatment of advanced colorectal cancer. Anagnost J, et al. **Am J Clin Oncol** 1987 Jun;10(3):213–5

Potentiation of CCNU activity by misonidazole in metastases. Siemann DW, et al. **Clin Exp Metastasis** 1987 Jan–Mar; 5(1):57–63

ADVERSE EFFECTS

Sudden onset of blindness in patients treated with oral CCNU and low–dose cranial irradiation. Wilson WB, et al. **Cancer** 1987 Mar 1;59(5):901–7

Pulmonary toxicity of lomustine [letter] Stone MD, et al. **Cancer Treat Rep** 1987 Jul–Aug;71(7–8):786–7

ANALOGS & DERIVATIVES

Energy status in HeLa cells after treatment with an arresting anticancer drug. Al–Awadi FM, et al. **Oncology** 1987; 44(1):60–3

ANTAGONISTS & INHIBITORS

The protective effect of vitamin A and vitamin C on the chromosome–damaging activity of CCNU. Georgian L, et al. **Morphol Embryol (Bucur)** 1986 Oct–Dec;32(4):241–5

METABOLISM

Misonidazole and benznidazole inhibit hydroxylation of CCNU by mouse liver microsomal cytochrome P–450 in vitro. Lee FY, et al. **Biochem Pharmacol** 1987 Apr 15; 36(8):1349–55

Interaction of nitroimidazole sensitizers with drug metabolizing enzymes—spectral and kinetic studies. Lee FY, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug; 12(8):1383–7

PHARMACODYNAMICS

Effects of CCNU on monocyte phagocytosis. Athlin L, et al. **Cancer Lett** 1986 Sep;32(3):323–6

Two mechanisms of synergism when amphotericin B is used in combination with actinomycin D or 1–(2–chloroethyl)–3–cyclohexyl–1–nitrosourea against the human promyelocytic leukemia cell line HL–60. Vertut–Croquin A, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6054–8

Potentiation of CCNU toxicity by AF–2 in V79 spheroids: implications for mechanisms of chemosensitization. Durand RE, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug; 12(8):1375–8

Cross–link formation and chemopotentiation of EMT–6/Ro cells exposed to MISO after CCNU treatment in vitro. Mulcahy RT. **Int J Radiat Oncol Biol Phys** 1986 Aug; 12(8):1389–92

Appraisal of blood vessels in the rat brain following administration of nitrosourea derivatives. Szczech J, et al. **Neuropatol Pol** 1986;24(4):573–84

[Hepatopathy with a progressive course after one–time administration of (chloro–2–ethyl)–1–cyclohexyl–3–nitroso–1–uréa (CCNU) in rats] Viotte G, et al. **Pathol Biol (Paris)** 1987 Feb; 35(2):139–44 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Enhancement of misonidazole chemopotentiation by mild hyperthermia (41 degrees C) in vitro and selective enhancement in vivo. Mulcahy RT, et al. **Int J Radiat Biol** 1987 Jul;52(1):57–65

A phase II study of CCNU with benznidazole for metastatic malignant melanoma. Bleehen NM, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1401–3

Combinations of CCNU, MISO, and fractionated radiotherapy. Siemann DW, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1379–82

[Value of combined chemotherapy in "relatively benign gliomas"] Constantinovici A, et al. **Rev Med Interna [Neurol Psihiatr]** 1987 Jan–Mar; 32(1):25–33 (Eng. Abstr.) **(Rum)**

TOXICITY

Studies on the mechanism of 1–(2–chloroethyl)–3–cyclohexyl–1–nitrosourea (CCNU)–induced hepatotoxicity. II. Biochemical and morphological characterization of the injury and its prevention by phenobarbital. Ahmed AE, et al. **Cancer Chemother Pharmacol** 1987;19(2):103–8

Studies on the mechanism of 1–(2–chloroethyl)–3–cyclohexyl–1–nitrosourea (CCNU)–induced hepatotoxicity. III. Ultrastructural characterization of bile duct injury. Kretschmer NW, et al. **Cancer Chemother Pharmacol** 1987;19(2):109–17

Karyometric, cytophotometric and histoenzymatic studies on neuroglia of rats treated with 1–(2–chloroethyl)–3–cyclohexyl–1–nitrosourea (CCNU/lomoustine). Szczech J. **Exp Pathol** 1986; 30(4):221–31

Morphological alterations in blood vessel endothelia of rat brain after administration of CCNU (lomustine). Godlewski A. **Neoplasma** 1986;33(4):437–45

LONELINESS see under **SOCIAL ISOLATION**

LONG–ACTING THYROID STIMULATOR

ANALYSIS

Indirect immunofluorescence and generation of cyclic–AMP investigation with Graves' patients' sera. Szabó J, et al. **Acta Med Hung** 1986;43(3):275–81

PHARMACODYNAMICS

Stimulation of thyroidal iodothyronine 5'–monodeiodinase by long–acting thyroid stimulator (LATS). Wu SY, et al. **Acta Endocrinol (Copenh)** 1987 Feb;114(2):193–200

LONG CHAIN ACYL COA see **ACYL COENZYME A**

LONG QT SYNDROME see under **ARRHYTHMIA**

LONG TERM CARE

see related
INSURANCE, LONG TERM CARE

Prediction and profile of the long-stay population. A nation-wide cohort of first time admitted patients. Kastrup M. **Acta Psychiatr Scand** 1987 Jul;76(1):71-9
Hospital nutrition in geriatric long-term care medicine: II. Effects of dietary supplements. Elmståhl S, et al. **Age Ageing** 1987 Mar;16(2):73-80
Confirming long-stay status. Golding R, et al. **Age Ageing** 1987 Jan;16(1):13-8
Prescribing patterns observed in registered nursing homes and long-stay geriatric wards. Primrose WR, et al. **Age Ageing** 1987 Jan;16(1):25-8
How diagnoses are changing in long-term care. Rantz M, et al. **Am J Nurs** 1987 Mar;87(3):360-1
Comparison of the nutritional state of new and long-term patients in a psychogeriatric unit. Greer A, et al. **Br J Psychiatry** 1986 Dec;149:738-41
The unremitting burden on carers [letter] Osborne P. **Br Med J** 1987 Feb 21;294(6570):510
Social future of elderly admitted to acute care hospital: opinion of patient or family as predictive factor of subsequent transfer to long term care. Roudot-Thoraval F, et al. **Br Med J [Clin Res]** 1987 Mar 7;294(6572):608-9
Physician and ombudsman in long term care. Fraser V. **Colo Med** 1987 Jul 15;84(12):271-2
Drug therapy team review in a long-term care facility [letter] Andolsek KM, et al. **Drug Intell Clin Pharm** 1987 Jul-Aug; 21(7-8):660
Personal and continuing medical care. Freeman GK. **Fam Pract** 1986 Dec;3(4):205-6
Assessing the elderly's preferences for lifecare retirement options. Tell EJ, et al. **Gerontologist** 1987 Aug;27(4):503-9
Long-term care policy and interest group struggles. Torres-Gil F, et al. **Gerontologist** 1986 Oct;26(5):488-95
Impact of long-term home care on hospital and nursing home use and cost. Hughes SL, et al. **Health Serv Res** 1987 Apr; 22(1):19-47
Long-term care--an impending crisis. Rohrer JE, et al. **Iowa Med** 1986 Oct;76(10):462-5
A nutrition screening and assessment system for use with the elderly in extended care. Tramposch TS, et al. **J Am Diet Assoc** 1987 Sep;87(9):1207-10
Taking the next step: clinical research in the long-term care facility [editorial] Hazzard WR. **J Am Geriatr Soc** 1987 Feb;35(2):174-5
Identifying the older person likely to require long-term care services. Williams ME. **J Am Geriatr Soc** 1987 Aug; 35(8):761-6
Teaching patients to manage complex, long-term care. Foster SD. **MCN** 1987 Jan-Feb;12(1):57
The transition unit: the bridge between acute and long-term care. Taler G, et al. **Md Med J** 1986 Nov;35(11):913-5
Rehabilitation and long-term management of the spinal cord injured adult. Drayton-Hargrove S, et al. **Nurs Clin North Am** 1986 Dec;21(4):599-610
Utilisation of private hospital beds in Auckland for long term geriatric care. Sewell F, et al. **NZ Med J** 1987 Jan 28; 100(816):16-8
Placing long-stay patients in private nursing homes. Jones ME, et al. **Public Health** 1987 May;101(3):169-78
Psychosocial and ethical issues of AIDS health care programs. Ostrow DG, et al. **QRB** 1986 Aug;12(8):284-9, 292-4
An alternate level of care, the prospective payment system and the challenge of extended care. Tellis-Nayak V, et al. **Soc Sci Med** 1986;23(7):665-71
Changing needs of patients and families in long-term care facilities: implications for social work practice. Peterson KJ. **Soc Work Health Care** 1986 Winter;12(2):37-49
[Is long-term institutionalization in a general psychiatric hospital always a mistake?] Doorschot CH. **Ned Tijdschr Geneeskd** 1986 Nov 22;130(47):2113-4 **(Dut)**
[Long-term patients and the role of the geriatric service of the regional hospital] Tanzi F. **Rev Med Suisse Romande** 1987 Mar;107(3):213-21 **(Fre)**
[Management and long-term therapy of patients following aortocoronary bypass surgery, PTCA and thrombolysis treatment] Pfisterer M. **Schweiz Rundsch Med Prax** 1987 Mar 3;76(10):239-40 **(Ger)**

CLASSIFICATION

Activities of daily living as quantitative indicators of nursing effort. Smith DW, et al. **Med Care** 1987 Feb;25(2):120-30

ECONOMICS

The economic costs of Alzheimer's disease. Hay JW, et al. **Am J Public Health** 1987 Sep;77(9):1169-75
Long-term ventilator care. A Chicago problem and a national problem. Bone RC. **Chest** 1987 Sep;92(3):536-9
The national potential of home equity conversion. Jacobs B. **Gerontologist** 1986 Oct;26(5):496-504
Private long-term care insurance: cost, coverage, and restrictions. Wiener JM, et al. **Gerontologist** 1987 Aug; 27(4):487-93
Challenges in long-term care policy. Mechanic D. **Health Aff (Millwood)** 1987 Summer;6(2):22-34
Medicaid's role in LTC financing examined. Burda D. **Hospitals** 1987 Sep 20;61(18):55
On Lok: replicating a capitated LTC program. Droste T. **Hospitals** 1987 Aug 5;61(15):112
Hospitals travel some rough ground in LTC. Newald J. **Hospitals** 1986 Dec 20;60(24):70
Will subacute care fall under PPS in 1987? Newald J. **Hospitals** 1987 Jan 5;61(1):64
Using home equity to finance long-term care. Jacobs B, et al. **J Health Polit Policy Law** 1987 Spring;12(1):77-95
Home equity conversions as alternatives to health care financing. Benejam AA. **Med Law** 1987;6(4):329-48
Long-term care. Goldowsky SJ. **RI Med J** 1986 Sep; 69(9):401

ORGANIZATION & ADMINISTRATION

Private nursing homes: contribution to long stay care of the elderly in the Brighton Health District. Bennett J. **Br Med J [Clin Res]** 1986 Oct 4;293(6551):867-70
Home care for life-supported persons. Is a national approach the answer? Goldberg AI. **Chest** 1986 Nov;90(5):744-8
Long-term care in Canada: a complex and intricate system. Heidemann EG. **Dimens Health Serv** 1986 Nov;63(8):18-20
Joint venture makes new wing a reality. McLaughlin JG, et al. **Dimens Health Serv** 1987 Mar;64(2):39-40
Long-term care administrators: meeting their educational needs. Pisko LA. **Dimens Health Serv** 1986 Nov;63(8):23-4, 26
Maximizing RN potential in a long-term-care setting. Patterson J. **Geriatr Nurs (New York)** 1987 May-Jun; 8(3):142-4
Interest in Alzheimer's centers growing. Droste T. **Hospitals** 1987 Apr 20;61(8):112
Despite obstacles, New Jersey excels in long-term care. Newald J. **Hospitals** 1986 Oct 20;60(20):94

PSYCHOLOGY

Lessons from a nursing home. Fulmer TT. **Am J Nurs** 1987 Mar;87(3):332-3
Examining professionals' perceptions of long-term patients in acute care. van Wiltenburg J, et al. **Dimens Health Serv** 1986 Nov;63(8):48-50
Attitudes of long-term care nursing personnel toward the elderly. Chandler JT, et al. **Gerontologist** 1986 Oct; 26(5):551-5
Feeding difficulties in long-stay patients at nursing homes. Caregiver turnover and caregivers' assessments of duration and difficulty of assisted feeding and amount of food received by the patient. Bäckström A, et al. **Int J Nurs Stud** 1987;24(1):69-76
Aggressive behavior in long-term care. Winger J, et al. **J Psychosoc Nurs Ment Health Serv** 1987 Apr;25(4):28-33

STANDARDS

Quality assurance in a PaCS and case-mix environment. Patient Care and Services. Grimaldi PL, et al. **QRB** 1987 May;13(5):170-4

SUPPLY & DISTRIBUTION

Multis set their own pace when entering LTC field. Newald J. **Hospitals** 1986 Dec 5;60(23):34, 38

TRENDS

Client transfers in long-term care: five years' experience. Stark AJ, et al. **Am J Public Health** 1986 Nov;76(11):1312-6
Long-term care for the elderly--who goes where? Gray RF, et al. **Health Bull (Edinb)** 1987 Jan;45(1):11-4
Some thoughts on long-term care. Scott HD. **RI Med J** 1987 May;70(5):213-5
South Dakota Task Force on Long Term Care and trends in geriatric medicine in South Dakota. Smith DA. **SD J Med** 1987 May;40(5):33-6

LONG TERM CARE INSURANCE see **INSURANCE, LONG TERM CARE**

LONGEVITY

see related
LIFE EXPECTANCY

Physical activity, other life-style patterns, cardiovascular disease and longevity. Paffenbarger RS Jr, et al. **Acta Med Scand [Suppl]** 1986;711:85-91 (12 ref.)
The art of living long by Luigi Cornaro. Howell TH. **Age Ageing** 1987 May;16(3):194-5
The bingo model of survivorship. III. Genetic principles. Murphy EA, et al. **Am J Med Genet** 1987 Mar;26(3):667-81
Femoral diaphyseal histomorphometric age determinations for the Shanidar 3, 4, 5, and 6 Neandertals and Neandertal longevity. Trinkaus E, et al. **Am J Phys Anthropol** 1987 Jan;72(1):123-9
Polymorphism of heterochromatin areas on chromosomes 1, 9, 16 and Y in long-lived subjects and persons of different ages in two regions of the Soviet Union. Kuznetsova SM. **Arch Gerontol Geriatr** 1987 Jul;6(2):177-86
Why do women live longer and is it worth it? [editorial] Silman AJ. **Br Med J [Clin Res]** 1987 May 23; 294(6583):1311-2
Age-related reductions in brain cholinergic and dopaminergic indices in two rat strains differing in longevity. Gilad GM, et al. **Brain Res** 1987 Apr 7; 408(1-2):247-50
General situation and features of geriatric epidemiological study in China. Liu BS, et al. **Chin Med J [Engl]** 1986 Aug;99(8):619-27
Goal: "rectangularize" survival; objective: change behavior. Watkin DM. **Clin Geriatr Med** 1987 May;3(2):237-52
Interactive environmental and genetic effects on longevity in the male rat: litter size, exercise, electric shocks and castration. Drori D, et al. **Exp Aging Res** 1986 Summer; 12(2):59-64
Successful selection for increased longevity in Drosophila: analysis of the survival data and presentation of a hypothesis on the genetic regulation of longevity. Arking R. **Exp Gerontol** 1987;22(3):199-220
Effects of ambient temperature on free radical generation, antioxidant defenses and life span in the adult housefly, Musca domestica. Farmer KJ, et al. **Exp Gerontol** 1987; 22(1):59-65 (29 ref.)
Successful selection for increased longevity in Drosophila: analysis of the survival data and presentation of a hypothesis on the genetic regulation of longevity [letter] Luckinbill LS, et al. **Exp Gerontol** 1987;22(3):221-6
Mitochondrial DNA and life span changes in normal and dewinged Drosophila at different temperatures. Massie HR, et al. **Exp Gerontol** 1987;22(2):139-53
Effects of exercise on longevity of rats. Holloszy JO, et al. **Fed Proc** 1987 Apr;46(5):1850-3
Effect of ebony and yellow mutants of Drosophila melanogaster on adult survival and alcohol dehydrogenase activity. Soliman MH. **Gerontology** 1987;33(2):57-63
Scoring of prudent dietary habits and its relation to 25-year survival. Nube M, et al. **J Am Diet Assoc** 1987 Feb; 87(2):171-5
Causes of the sex differential in longevity [letter] Waldron I. **J Am Geriatr Soc** 1987 Apr;35(4):365-6
Relationships among udder shape, udder capacity, cow longevity and calf weights. DeNise RS, et al. **J Anim Sci** 1987 Aug;65(2):366-72
Longevity of cold-exposed rats: a reevaluation of the "rate-of-living theory" Holloszy JO, et al. **J Appl Physiol** 1986 Nov;61(5):1656-60
Longevity, gender, and life quality. Haug MR, et al. **J Health Soc Behav** 1986 Dec;27(4):332-45
Influence of extremes of protein and energy intake on survival of B/W mice. Gajjar A, et al. **J Nutr** 1987 Jun; 117(6):1136-40
Genetic differences in effects of food restriction on aging in mice. Harrison DE, et al. **J Nutr** 1987 Feb;117(2):376-82
Crucial dietary factors in maximizing life span and longevity in autoimmune-prone mice. Kubo C, et al. **J Nutr** 1987 Jun;117(6):1129-35
Meal-timing, circadian rhythms and life span of mice. Nelson W, et al. **J Nutr** 1986 Nov;116(11):2244-53
Problems in comparative longevity. Bayliss R, et al. **J R Coll Physicians Lond** 1987 Apr;21(2):134-9
High death rates: more deaths or earlier deaths? West RR. **J R Coll Physicians Lond** 1987 Jan;21(1):73-6
Leads from the MMWR. Premature mortality due to cerebrovascular disease--United States, 1983. **JAMA** 1987 Jul 10;258(2):182
Leads from the MMWR. Years of life lost from cardiovascular disease. **JAMA** 1986 Nov 28;256(20):2794
Leads from the MMWR. Changes in premature mortality--United States, 1984-1985. **JAMA** 1987 Mar 6; 257(9):1161
Body weight and longevity [letter] **JAMA** 1987 Apr 10; 257(14):1895-6
Body weight and longevity. A reassessment. Manson JE, et al. **JAMA** 1987 Jan 16;257(3):353-8
Stagewise decline in the activity of brain protein synthesis factors and relationship between this decline and longevity in two rodent species. Castañeda M, et al. **Mech Ageing Dev** 1986 Oct;36(2):197-210
Analysis of survival data on aging rat cohorts: pitfalls and some practical considerations. Mos J, et al. **Mech Ageing Dev** 1987 Mar;38(1):89-105
Interaction of H-2 genotype and basal serum immunoglobulin A level influences longevity. Popp DM, et al. **Mech Ageing Dev** 1986 Sep;36(1):79-93
Medicine in the long-living society. Yabrov A. **Med Hypotheses** 1986 Dec;21(4):445-8
Premature mortality due to sudden infant death syndrome--United States, 1980-1986 [published erratum appears in MMWR 1987 May 1;36(16):255] **MMWR** 1987 Apr 24;36(15):236-8
Premature mortality due to cerebrovascular disease--United States, 1983. **MMWR** 1987 May 29;36(20):316-7
Years of life lost from cardiovascular disease. **MMWR** 1986 Oct 24;35(42):653-4
Premature mortality in the United States: public health issues in the use of years of potential life lost. **MMWR** 1986 Dec 19;35(2 Suppl):1S-11S
Changes in premature mortality--United States, 1984-1985. **MMWR** 1987 Feb 6;36(4):55-7
The longevity revolution. Butler R. **Mt Sinai J Med (NY)** 1987 Jan;54(1):5-8
The effect of increased longevity, produced by dietary restriction, on the neuronal population of area 17 in rat cerebral cortex. Peters A, et al. **Neurobiol Aging** 1987 Jan-Feb;8(1):7-20
Schedule-shifts, circadian rhythms and lifespan of freely-feeding and meal-fed mice. Nelson W, et al.

Physiol Behav 1986;38(6):781–8
An evolutionary theory of health, longevity, and personality: sociobiology and r/K reproductive strategies. Rushton JP. **Psychol Rep** 1987 Apr;60(2):539–49
Response to Dr. Waldron's critique of smoking studies [letter] Miller GH, et al. **Public Health Rep** 1987 Jan–Feb; 102(1):116–8
Recent international changes in longevity.
Stat Bull Metrop Insur Co 1986 Jan–Mar;67(1):16–21
Longevity gains by state. **Stat Bull Metrop Insur Co** 1986 Oct–Dec;67(4):12–7
Profile of centenarians. **Stat Bull Metrop Insur Co** 1987 Jan–Mar;68(1):2–9
Trends in longevity after age 65.
Stat Bull Metrop Insur Co 1987 Jan–Mar;68(1):10–7
Factors affecting the longevity of total Japanese population. Araki S, et al. **Tohoku J Exp Med** 1987 Jan;151(1):15–24
[Some epidemiologic aspects of the aged in China] Liu BS, et al. **Chung Hua I Hsueh Tsa Chih** 1986 Aug;66(8):501–3 (10 ref.) **(Chi)**
[A preliminary study on the relation of heredity to lifespan] Zhu ZM. **Chung Hua I Hsueh Tsa Chih** 1986 May; 66(5):295–8, 320 (Eng. Abstr.) **(Chi)**
[Major developmental trends in mortality in the Czechoslovak population during the post-war period] Strnad L. **Cesk Zdrav** 1987 May;35(5):193–8 **(Cze)**
[Mortality, excess mortality, fatalities and the probability of survival] Menn S. **Lebensversicherungsmedizin** 1987 Mar 1;39(2):45–7, 50 (Eng. Abstr.) **(Ger)**
[Life expectancy and causes of death of pathologists] Steger G. **Pathologe** 1987 Mar;8(2):108–11 **(Ger)**
[Social medicine aspects of increasing longevity and aging] Viefhues H. **Z Gerontol** 1987 May–Jun;20(3):168–74 (Eng. Abstr.) **(Ger)**
[Medico-social and clinico-biochemical aspects of longevity in Siberia] Bondareva ZG, et al. **ZFA** 1987 Jul–Aug; 42(4):215–8 (Eng. Abstr.) **(Ger)**
[Chromosomes. Aging. Longevity] Kuznetsova SM, et al. **Tsitol Genet** 1986 Jul–Aug;20(4):304–13 (119 ref.) (Eng. Abstr.) **(Rus)**
[Polymorphism of heterochromatin regions of chromosomes 1, 9, 16 and Y in long-lived persons and in persons of various ages from 2 areas of the Soviet Union] Kuznetsova SM, et al. **Tsitol Genet** 1986 Nov–Dec;20(6):409–16 (Eng. Abstr.) **(Rus)**
[The "Prolongation of life" program: an important stage in the development of Soviet gerontology] Chebotarev DF. **Vestn Akad Med Nauk SSSR** 1986;(10):3–8 **(Rus)**
[Neurophysiological and cytogenetic correlates of longevity] Man'kovskii NB, et al. **Vestn Akad Med Nauk SSSR** 1986; (9):84–9 (53 ref.) **(Rus)**
[Detection of constitutional types of EEG using the orthogonal decomposition method] Kuznetsova SM, et al. **Zh Nevropatol Psikhiatr** 1987;87(2):215–8 (Eng. Abstr.) **(Rus)**
[Diet prevention for a long life. Relevance of fish consumption] Sánchez-Muniz FJ. **Rev Clin Esp** 1987 Jan; 180(1):43–7 **(Spa)**

DRUG EFFECTS

An antioxidant-induced life table modification and life-span prolongation in Zaprionus paravittiger (Diptera). Wadhwa R. **Arch Gerontol Geriatr** 1987 Jul;6(2):101–6
Effect of dietary beta-carotene on the survival of young and old mice. Massie HR, et al. **Gerontology** 1986;32(4):189–95
Influence of low tryptophan diet on survival and organ growth in mice. De Marte ML, et al.
Mech Ageing Dev 1986 Oct;36(2):161–71
Retinyl acetate effects on the life span and the incidence of cryptogenic neoplasms in C3H mice. Stenbäck F, et al. **Nutr Cancer** 1987;10(3):119–28

RADIATION EFFECTS

A review of certain low-level ionizing radiation studies in mice and guinea pigs. Congdon CC. **Health Phys** 1987 May; 52(5):593–7 (32 ref.)
Cancer incidence and lifespan vs. alpha-particle dose in beagles. Mays CW, et al. **Health Phys** 1987 May; 52(5):617–24
[Shortening of the life span in an experiment with chronic external gamma-irradiation. The structure of mortality] Goloshchapov PV, et al. **Radiobiologiia** 1987 Jul–Aug; 27(4):497–501 (Eng. Abstr.) **(Rus)**
[The RBE of 0.85 MeV neutrons on guinea pig mortality] Shaporov VN, et al. **Radiobiologiia** 1987 May–Jun; 27(3):417–9 (Eng. Abstr.) **(Rus)**

LONGITUDINAL STUDIES

A longitudinal study of the relationship of plasma somatomedin-C concentration to the pubertal growth spurt. Cara JF, et al. **Am J Dis Child** 1987 May;141(5):562–4
The Longitudinal Interval Follow-up Evaluation. A comprehensive method for assessing outcome in prospective longitudinal studies. Keller MB, et al.
Arch Gen Psychiatry 1987 Jun;44(6):540–8
A proportional hazards model for interval-censored failure time data. Finkelstein DM. **Biometrics** 1986 Dec; 42(4):845–54
The comparability of longitudinal studies and the role of clinical trials in normal aging research. Greenhouse SW. **Exp Gerontol** 1986;21(4–5):341–4
Analysis of longitudinal "time series" data in toxicologyCox C, et al. **Fundam Appl Toxicol** 1987 Feb;8(2):159–69
A new method of classifying prognostic comorbidity in longitudinal studies: development and validation. Charlson ME, et al. **J Chronic Dis** 1987;40(5):373–83
Using administrative data for longitudinal research: comparisons with primary data collection. Roos LL Jr, et al. **J Chronic Dis** 1987;40(1):41–9
Reliance on longitudinal data with the problem of dropouts [letter] Markides KS. **J Gerontol** 1986 Nov;41(6):806–7
Estimating sample size for longitudinal studies of age-related cognitive decline. Overall JE. **J Gerontol** 1987 Mar; 42(2):137–41
Longitudinal design and longitudinal analysis. A comparison of three approaches. Campbell RT, et al. **Res Aging** 1986 Dec;8(4):480–502

METHODS

Models for temporal variation in cancer rates. II: Age-period-cohort models. Clayton D, et al. **Stat Med** 1987 Jun;6(4):469–81
Models for temporal variation in cancer rates. I: Age-period and age-cohort models. Clayton D, et al. **Stat Med** 1987 Jun;6(4):449–67

LOOP OF HENLE see under **KIDNEY TUBULES**

LOPERAMIDE see under **PIPERIDINES**

LORAJMINE see **AJMALINE**

LORAZEPAM

Dose requirements of propofol by infusion during nitrous oxide anaesthesia in man. II: Patients premedicated with lorazepam. Turtle MJ, et al. **Br J Anaesth** 1987 Mar; 59(3):283–7
Lorazepam (Ativan) and fentanyl (Sublimaze) for outpatient office plastic surgical anesthesia. Colon GA, et al.
Plast Reconstr Surg 1986 Oct;78(4):486–8
[Old and on the bottle again: a double stigma (letter)] van Sweden B, et al. **Ned Tijdschr Geneeskd** 1987 Jul 18; 131(29):1281–2 **(Dut)**
[Oral premedication with bromazepam and lorazepam] Bourion P, et al. **Cah Anesthesiol** 1986 Dec;34(8):675–80 **(Fre)**

ADMINISTRATION & DOSAGE

Amelioration of cytotoxic-induced emesis with high-dose metoclopramide, dexamethasone and lorazepam. Palmer MC, et al. **Cancer Chemother Pharmacol** 1987;19(4):331–4
Oral lorazepam in preanaesthetic medication. Jayasuriya JP. **Ceylon Med J** 1986 Dec;31(4):173–9
Benzodiazepine self-administration in rhesus monkeys: estazolam, flurazepam and lorazepam. Johanson CE.
Pharmacol Biochem Behav 1987 Mar;26(3):521–6

ADVERSE EFFECTS

Sublingual lorazepam use [letter] Pande AC.
Can J Psychiatry 1987 May;32(4):328
Lorazepam withdrawal seizures: role of predisposition and multi-drug therapies. Soni SD, et al.
Int Clin Psychopharmacol 1986 Apr;1(2):165–9
Respiratory distress with use of lorazepam in mania [letter] Cohen S, et al. **J Clin Psychopharmacol** 1987 Jun; 7(3):199–200
Failure of buspirone to protect against lorazepam withdrawal symptoms [letter] Jerkovich GS, et al. **JAMA** 1987 Jul 10; 258(2):204–5

ANALOGS & DERIVATIVES

A comparative study of lormetazepam and chlormethiazole in elderly in-patients. Overstall PW, et al. **Age Ageing** 1987 Jan;16(1):45–51
Isotope effect in negative ion chemical ionization mass spectrometry of deuterium labelled lormetazepam. Takahashi S. **Biomed Environ Mass Spectrom** 1987 Jun; 14(6):257–61
Two more hypnotics added to the 'White List'.
Drug Ther Bull 1987 Jun 1;25(11):43–4
Antianxiety properties of lormetazepam. A double-blind crossover trial versus diazepam. de Leo D, et al.
J Int Med Res 1986;14(6):311–5
[Effect and side effects of oral morphine, lormetazepam and placebos as premedication] Tolksdorf W, et al.
Anasth Intensivther Notfallmed 1987 Jun;22(3):113–7 (Eng. Abstr.) **(Ger)**
[Effect of lormetazepam, triazolam and flunitrazepam on rapid eye movements, K-complexes and sleep spindles in normal probands] Kubicki S, et al. **EEG EMG** 1987 Jun; 18(2):61–7 (Eng. Abstr.) **(Ger)**

ANALYSIS

Determination of lorazepam by fluorimetric and photochemical-fluorimetric methods. Rodriguez Procopio J, et al. **Analyst** 1987 Jan;112(1):79–82

BLOOD

Simultaneous analysis of antipyrine and lorazepam by high-performance liquid chromatography. Riley CA, et al. **J Chromatogr** 1986 Oct 31;382:199–205

METABOLISM

Simultaneous administration of multiple model substrates to assess hepatic drug clearance. Crom WR, et al.
Clin Pharmacol Ther 1987 Jun;41(6):645–50
Hepatic drug clearance in children with leukemia: changes in clearance of model substrates during remission-induction therapy. Relling MV, et al. **Clin Pharmacol Ther** 1987 Jun; 41(6):651–60
Effect of surfactants on the permeation of lorazepam from its tablet formulations through rabbit jejunal sac. Singh J, et al. **Pharmazie** 1986 Jun;41(6):435–6

PHARMACODYNAMICS

The pharmacodynamic properties of lorazepam and methylphenidate drugs on event-related potentials and power spectral analysis in normal subjects. Berchou R, et al. **Clin Electroencephalogr** 1986 Oct;17(4):176–80
Chronic treatment with lorazepam and FG 7142 may change the effects of benzodiazepine receptor agonists, antagonists and inverse agonists by different mechanisms. Petersen EN, et al. **Eur J Pharmacol** 1987 Jan 20;133(3):309–17
Anxiolytics and memory: a comparison of lorazepam and alprazolam. Kumar R, et al. **J Clin Psychiatry** 1987 Apr; 48(4):158–60
Behavioral effects of the beta-carboline derivatives ZK 93423 and ZK 91296 in squirrel monkeys: comparison with lorazepam and suriclone. Wettstein JG, et al.
J Pharmacol Exp Ther 1987 Feb;240(2):471–5
Differential amnesic properties of benzodiazepines: a dose-response comparison of two drugs with similar elimination half-lives. Curran HV, et al.
Psychopharmacology (Berlin) 1987;92(3):358–64

POISONING

[Failure of gastric lavage in severe drug poisoning. Value of esophagogastric fibroscopy] Francon D, et al.
Ann Fr Anesth Reanim 1987;6(2):122–4 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Bromazepam and lorazepam in generalized anxiety: a placebo-controlled study with measurement of drug plasma concentrations. Fontaine R, et al. **Acta Psychiatr Scand** 1986 Nov;74(5):451–8
Treatment of catatonia with low-dose lorazepam. Greenfeld D, et al. **Am J Psychiatry** 1987 Sep;144(9):1224–5
Lorazepam for psychogenic catatonia. Salam SA, et al.
Am J Psychiatry 1987 Aug;144(8):1082–3
Treatment of premature ejaculation with lorazepam [letter] Segraves RT. **Am J Psychiatry** 1987 Sep;144(9):1240
A controlled trial of treatments for generalized anxiety. Lindsay WR, et al. **Br J Clin Psychol** 1987 Feb;26 (Pt 1):3–15
Lorazepam as an adjunct to antiemetic therapy in patients receiving cytotoxic chemotherapy. Briceland LL.
Conn Med 1987 Mar;51(3):165–7
Comparison of two benzodiazepines in the treatment of alcohol withdrawal: effects on symptoms and cognitive recovery. Ritson B, et al. **Drug Alcohol Depend** 1986 Dec; 18(4):329–34
Serotonin S2 receptors blockage and generalized anxiety disorders. A double-blind study on ritanserin and lorazepam. Bressa GM, et al. **Int J Clin Pharmacol Res** 1987;7(2):111–9
Premedication with lorazepam before bone marrow biopsy. Milligan DW, et al. **J Clin Pathol** 1987 Jun;40(6):696–8
A case of alprazolam, but not lorazepam, inducing manic symptoms. Goodman WK, et al. **J Clin Psychiatry** 1987 Mar;48(3):117–8
Further experience and observations with lorazepam in the management of behavioral agitation [letter] Modell JG.
J Clin Psychopharmacol 1986 Dec;6(6):385–7
Use of lorazepam in treatment-resistant catatonia [letter] Vinogradov S, et al. **J Clin Psychopharmacol** 1986 Oct; 6(5):323–5
Stupor and affective state: alleviation of psychomotor disturbances by lorazepam and recurrence of symptoms after Ro 15-1788. Wetzel H, et al. **J Nerv Ment Dis** 1987 Apr;175(4):240–2
Lorazepam in childhood status epilepticus and serial seizures: effectiveness and tachyphylaxis. Crawford TO, et al.
Neurology 1987 Feb;37(2):190–5
Lorazepam in childhood status [letter] Haigh JR, et al.
Neurology 1987 Sep;37(9):1569–70
Treatment of akathisia with lorazepam. An open clinical trial. Bartels M, et al. **Pharmacopsychiatry** 1987 Mar;20(2):51–3
[Sotalol in menopausal disorders] Dallera F, et al.
Clin Ter 1986 Dec 31;119(6):465–9 (Eng. Abstr.) **(Ita)**
[Alprazolam versus lorazepam in the treatment of anxiety: controlled clinical study] Bernardi F, et al.
Riv Patol Nerv Ment 1984 Jan–Feb;105(1):1–13 (Eng. Abstr.) **(Ita)**

TOXICITY

Intoxicating effects of lorazepam and barbital in rat lines selected for differential sensitivity to ethanol. Hellevuo K, et al. **Psychopharmacology (Berlin)** 1987;91(3):263–7

LORDOSIS

ETIOLOGY

[Comparison of the effects of lordosis on the thoracic spine using the Milwaukee and Gschwend brace in scoliosis and kyphosis] Krähe T, et al. **Z Orthop** 1986 Sep–Oct; 124(5):613–8 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Cervical and lumbar lordosis and thoracic kyphosis in 8, 11 and 15-year-old children. Hellsing E, et al. **Eur J Orthod** 1987 May;9(2):129–38

PHYSIOPATHOLOGY

The anatomy of spinal deformity: a biomechanical analysis. Deacon P, et al. **Orthopedics** 1987 Jun;10(6):897–903

Relationships between lumbar lordosis, pelvic tilt, and abdominal muscle performance. Walker ML, et al. **Phys Ther** 1987 Apr;67(4):512–6

PSYCHOLOGY

Abdominal proptosis: a case report. Hardy JL, et al. **Can J Psychiatry** 1987 May;32(4):310–1

REHABILITATION

Achondroplasia: effectiveness of an orthosis in reducing deformity of the spine. Siebens AA, et al. **Arch Phys Med Rehabil** 1987 Jun;68(6):384–8

LORR'S INPATIENT MULTIDIMENSIONAL PSYCHIATRIC RATING SCALE see under **PSYCHIATRIC STATUS RATING SCALES**

LOUDNESS PERCEPTION

Recommended procedure for uncomfortable loudness level (ULL). British Society of Audiology. **Br J Audiol** 1987 Aug;21(3):231

Multidimensional perceptual development: consistency of responses to frequency and intensity in young chickens. Gray L. **Dev Psychobiol** 1987 May;20(3):299–312

Description and validation of an LDL procedure designed to select SSPL90. Hawkins DB, et al. **Ear Hear** 1987 Jun; 8(3):162–9

A matching-to-sample feedback technique for training self-control of tinnitus. Ince LP, et al. **Health Psychol** 1987; 6(2):173–82

Detection and intensity discrimination of a sinusoid. Hanna TE, et al. **J Acoust Soc Am** 1986 Nov;80(5):1335–40

Limitations of first-order approximations for calculations using intensity jnd's. Hellman RP, et al. **J Acoust Soc Am** 1986 Nov;80(5):1341–5

Comparative learning of pitch and loudness identification. Houtsma AJ, et al. **J Acoust Soc Am** 1987 Jan;81(1):129–32

Binaural versus monaural loudness: supersummation of tone partially masked by noise. Marks LE. **J Acoust Soc Am** 1987 Jan;81(1):122–8

Spectral and level effects in noise-on-tone suppression. Sidwell A. **J Acoust Soc Am** 1987 Apr;81(4):1078–84

Correlation between time functions of sound pressure, masking, and OAE suppression. Zwicker E, et al. **J Acoust Soc Am** 1987 Apr;81(4):1043–9

Auditory sensory storage in relation to the growth of sensation and acoustic information extraction. Cowan N. **J Exp Psychol [Hum Percept]** 1987 May;13(2):204–15

Remembrance of sounds past: memory and psychophysical scaling. Ward LM. **J Exp Psychol [Hum Percept]** 1987 May;13(2):216–27

Magnitude estimation and the "paradoxical" loudness of tinnitus. Penner MJ. **J Speech Hear Res** 1986 Sep; 29(3):407–12

Effect of stimulus pulse duration and interstimulus interval on cross-modal matching of auditory and lingual vibrotactile stimuli. Fucci D, et al. **Percept Mot Skills** 1986 Dec;63(3):1079–86

Lingual vibrotactile and auditory cross-modal matching: frequency effects. Harris D, et al. **Percept Mot Skills** 1986 Dec;63(3):1129–30

Modification of the acoustic startle reflex by a tactile prepulse: the effects of stimulus onset asynchrony and prepulse intensity. Blumenthal TD, et al. **Psychophysiology** 1987 May;24(3):320–7

[Effect of the intensity of annoying noise during mental work on P 300 of the evoked brain potential] Gille HG, et al. **Z Gesamte Hyg** 1986 Sep;32(9):566–8 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Detection of pure-tone amplitude modulation as a function of sensation level from 8 to 14 kHz. Long GR, et al. **Hear Res** 1986;24(2):163–8

Response dynamics of goldfish saccular fibers: effects of stimulus frequency and intensity on fibers with different tuning, sensitivity, and spontaneous activity. Coombs S, et al. **J Acoust Soc Am** 1987 Apr;81(4):1025–35

The effect of impulse intensity and the number of impulses on hearing and cochlear pathology in the chinchilla. Hamernik RP, et al. **J Acoust Soc Am** 1987 Apr; 81(4):1118–29

Stimulus intensity and loudness recruitment: neural correlates. Phillips DP. **J Acoust Soc Am** 1987 Jul; 82(1):1–12 (148 ref.)

Monaural and binaural adaptation in sequence: SDLB analogue? Weiler EM, et al. **J Aud Res** 1985 Jul; 25(3):149–59

Factors affecting descending binaural loudness balances as a manifestation of adaptation. Young IM, et al. **J Aud Res** 1986 Jan;26(1):55–63

Binaural loudness summation in the hearing impaired. Hawkins DB, et al. **J Speech Hear Res** 1987 Mar; 30(1):37–43

A method for relating loudness-matching and intensity-discrimination data. Schlauch RS, et al. **J Speech Hear Res** 1987 Mar;30(1):13–20

[Measurement of comfortable loudness levels—basic study on a new method] Hosoi H, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1987 May;90(5):730–5 (Eng. Abstr.) **(Jpn)**

[Phenomenon of rapid increase in loudness during residual masking of a tone with a tone] Shupliakov VS, et al. **Fiziol Zh SSSR** 1986 Dec;72(12):1630–4 (Eng. Abstr.) **(Rus)**

LOUDNESS RECRUITMENT see **RECRUITMENT, LOUDNESS**

LOUDNESS RECRUITMENT DETECTION see **RECRUITMENT DETECTION (AUDIOLOGY)**

LOUIS-BAR SYNDROME see **ATAXIA TELANGIECTASIA**

LOUPING ILL

MICROBIOLOGY

Response of sheep to experimental concurrent infection with tick-borne fever (Cytoecetes phagocytophila) and louping-ill virus. Reid HW, et al. **Res Vet Sci** 1986 Jul; 41(1):56–62

OCCURRENCE

A disease resembling louping-ill in sheep in the Basque region of Spain. Gonzalez L, et al. **Vet Rec** 1987 Jul 4;121(1):12–3

PREVENTION & CONTROL

Louping ill virus vaccination of dogs [letter] Thomson JR, et al. **Vet Rec** 1987 Jan 24;120(4):94

LOUPING ILL VIRUS see under **ENCEPHALITIS VIRUSES, TICK-BORNE**

LOVE

Love and authenticity. Heuscher JE. **Am J Psychoanal** 1987 Spring;47(1):21–34

Passionate love/sexual desire: can the same paradigm explain both? Hatfield E, et al. **Arch Sex Behav** 1987 Jun; 16(3):259–78

Measuring passionate love in intimate relationships. Hatfield E, et al. **J Adolesc** 1986 Dec;9(4):383–410

Is a science of caring possible? Dunlop MJ. **J Adv Nurs** 1986 Nov;11(6):661–70

The character of love to guide re-humanizing dying. Sorenson JH. **J Am Geriatr Soc** 1987 Mar;35(3):262–3

Love vs attachment. Poarch JE. **J Okla State Med Assoc** 1987 Jun;80(6):372–5

Romantic love conceptualized as an attachment process. Hazan C, et al. **J Pers Soc Psychol** 1987 Mar;52(3):511–24

Love deprivation, Wechsler performance greater than verbal discrepancy, and violent delinquency. Walsh A, et al. **J Psychol** 1987 Mar;121(2):177–84

The two-woman phenomenon. Weiss SS. **Psychoanal Q** 1987 Apr;56(2):271–86

Love, seduction, and trauma. Lothane Z. **Psychoanal Rev** 1987 Spring;74(1):83–105

Hysteroid-obsessoid personality and romantic love. Lester D. **Psychol Rep** 1987 Feb;60(1):258

[Love and partnership in adulthood: a continuation or correction of early childhood experiences? A review of theoretical concepts] Kriebel A, et al. **Z Psychosom Med Psychoanal** 1987;33(3):276–93 (Eng. Abstr.) **(Ger)**

LOW BACK PAIN see **BACKACHE**

LOW CARDIAC OUTPUT see **CARDIAC OUTPUT, LOW**

LOW DENSITY LIPOPROTEINS see **LIPOPROTEINS, LDL**

LOW MOLECULAR WEIGHT NUCLEAR RNA see **RNA, SMALL NUCLEAR**

LOW T3 AND T4 SYNDROME see **EUTHYROID SICK SYNDROMES**

LOW T3 SYNDROME see **EUTHYROID SICK SYNDROMES**

LOWER BODY NEGATIVE PRESSURE see under **DECOMPRESSION**

LOWER EXTREMITY see **LEG**

LOWN-GANONG-LEVINE SYNDROME see under **PRE-EXCITATION SYNDROMES**

LOXAPINE see under **DIBENZOXAZEPINES**

LP-X see **LIPOPROTEIN-X**

LSD see **LYSERGIC ACID DIETHYLAMIDE**

LUBRICATION see under **PHYSICS**

LUCENSOMYCIN see under **ANTIBIOTICS, ANTIFUNGAL**

LUCERNE see **ALFALFA**

LUCIFERASE

Pholasin—a bioluminescent indicator for detecting activation of single neutrophils. Roberts PA, et al. **Anal Biochem** 1987 Jan;160(1):139–48

Flow injection procedures for the determination of ethanol and alcohol dehydrogenase using co-immobilised bacterial luciferase and oxidoreductase. Nabi A, et al. **Analyst** 1987 Apr;112(4):531–3

Bioluminescent analysis in a biomembrane-like medium consisting of surfactant, hydrocarbon solvent, and water: ATP determination using firefly luciferase. Klyachko NL, et al. **Ann NY Acad Sci** 1987;501:267–70

Bioluminescence and chemiluminescence. Part B. **Methods Enzymol** 1986;133:1–649

ANALYSIS

Enhancement of light emission in the bacterial luciferase reaction by H_2O_2. Watanabe H, et al. **J Biochem (Tokyo)** 1987 Jan;101(1):279–82

ANTAGONISTS & INHIBITORS

Efficient singlet oxygen inactivation of firefly luciferase. Thompson A, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):888–94

BIOSYNTHESIS

Analogs of the autoinducer of bioluminescence in Vibrio fischeri. Eberhard A, et al. **Arch Microbiol** 1986 Oct; 146(1):35–40

DIAGNOSTIC USE

Extraction and determination of adenosine 5'-triphosphate in bovine milk by the firefly luciferase assay. Olsson T, et al. **Biotechnol Appl Biochem** 1986 Oct;8(5):361–9

[Bioluminescent methods of analysis in microbiology] Ugarova NN, et al. **Prikl Biokhim Mikrobiol** 1987 Jan–Feb; 23(1):14–24 (Eng. Abstr.) **(Rus)**

GENETICS

Photographic detection of luminescence in Escherichia coli containing the gene for firefly luciferase. Wood KV, et al. **Anal Biochem** 1987 Mar;161(2):501–7

Luciferase genes cloned from the unculturable luminous bacteroid symbiont of the Caribbean flashlight fish, Kryptophanaron alfredi. Haygood MG, et al. **Gene** 1986; 45(2):203–9

Use of bacterial luciferase to establish a promoter probe vehicle capable of nondestructive real-time analysis of gene expression in Bacillus spp. Carmi OA, et al. **J Bacteriol** 1987 May;169(5):2165–70

Cloning firefly luciferase. de Wet JR, et al. **Methods Enzymol** 1986;133:3–14

Firefly luciferase gene: structure and expression in mammalian cells. de Wet JR, et al. **Mol Cell Biol** 1987 Feb;7(2):725–37

Firefly luciferase is targeted to peroxisomes in mammalian cells. Keller GA, et al. **Proc Natl Acad Sci USA** 1987 May; 84(10):3264–8

ISOLATION & PURIFICATION

Purification of bacterial luciferase by affinity methods. Baldwin TO, et al. **Methods Enzymol** 1986;133:98–108

Purification of bacterial luciferase by high-performance liquid chromatography. O'Kane DJ, et al. **Methods Enzymol** 1986;133:109–28

METABOLISM

Characterization of the bioluminescent organelles in Gonyaulax polyedra (dinoflagellates) after fast-freeze fixation and antiluciferase immunogold staining. Nicolas MT, et al. **J Cell Biol** 1987 Aug;105(2):723–35

Active center-based immunoassay approach using bacterial luciferase. Baldwin TO, et al. **Methods Enzymol** 1986; 133:248–64

Commercially available firefly luciferase reagents. Leach FR, et al. **Methods Enzymol** 1986;133:51–70

Purification and properties of lumazine proteins from Photobacterium strains. O'Kane DJ, et al.

Methods Enzymol 1986;133:149–72

Bacterial luciferase 4a–hydroperoxyflavin intermediates: stabilization, isolation, and properties. Tu SC. **Methods Enzymol** 1986;133:128–39

Continuous–flow bioluminescent assays employing sepharose–immobilized enzymes. Vellom DC, et al. **Methods Enzymol** 1986;133:229–37

Bioluminescent assays using coimmobilized enzymes. Wienhausen G, et al. **Methods Enzymol** 1986;133:198–208

PHARMACODYNAMICS

Inhibition of platelet aggregation and [14C] serotonin release by luciferin: luciferase preparations. Pfueller SL, et al. **Thromb Res** 1986 Nov 15;44(4):539–42

LUCIFERIN

ANALOGS & DERIVATIVES

Synthesis and characterization of luciferin derivatives for use in bioluminescence enhanced enzyme immunoassays. New ultrasensitive detection systems for enzyme immunoassays, I. Miska W, et al. **J Clin Chem Clin Biochem** 1987 Jan; 25(1):23–30

ISOLATION & PURIFICATION

Pholasin—a bioluminescent indicator for detecting activation of single neutrophils. Roberts PA, et al. **Anal Biochem** 1987 Jan;160(1):139–48

PHARMACODYNAMICS

Inhibition of platelet aggregation and [14C] serotonin release by luciferin: luciferase preparations. Pfueller SL, et al. **Thromb Res** 1986 Nov 15;44(4):539–42

LUDWIG'S ANGINA

Ludwig's angina: historical review and reflections. Weisengreen HH. **Ear Nose Throat J** 1986 Oct; 65(10):457–61

COMPLICATIONS

Spontaneous pneumothorax: an unusual occurrence in a patient with Ludwig's angina. Barsamian JG, et al. **J Oral Maxillofac Surg** 1987 Feb;45(2):161–8

DIAGNOSIS

Ludwig's angina and pneumococcal sepsis. Gridley J, et al. **J Emerg Med** 1986;4(3):201–4

Noninfectious acute upper airway obstruction (pseudo–Ludwig phenomenon): report of a case. Smith RG, et al. **J Oral Maxillofac Surg** 1987 Aug;45(8):701–4

Dermatomyositis presenting with Ludwig's angina. Fridrich KL, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jan; 63(1):21–4

Ludwig's angina and associated systemic complications. Bacteriology and current therapy. Schliamser SE, et al. **Scand J Infect Dis** 1986;18(5):477–81

ETIOLOGY

Group A streptococcal pharyngitis and bacteremia associated with a Ludwig's angina–like syndrome. Dolan S, et al. **Diagn Microbiol Infect Dis** 1986 Nov;5(4):323–6

THERAPY

The anatomy of the fasciae of the face and neck with particular reference to the spread and treatment of intraoral infections (Ludwig's) that have progressed into adjacent fascial spaces. Lindner HH. **Ann Surg** 1986 Dec; 204(6):705–14

LULIBERIN see **LH–FSH RELEASING HORMONE**

LULIBERIN RECEPTORS see **RECEPTORS, GONADOLIBERIN**

LUMBAGO see **BACKACHE**

LUMBAR PUNCTURE see **SPINAL PUNCTURE**

LUMBAR REGION see **LUMBOSACRAL REGION**

LUMBAR VERTEBRAE

Symptomatic intraspinal synovial cysts: opacification and treatment by percutaneous injection. Bjorkengren AG, et al. **AJR** 1987 Jul;149(1):105–7

Iliocaval compression syndrome. Taheri SA, et al. **Am J Surg** 1987 Aug;154(2):169–72

Association of conjoined and anastomosed nerve roots in the lumbar region. A case report. Goffin J, et al. **Clin Neurol Neurosurg** 1987;89(2):117–20

Anterior decompression of vertebral osteosarcomas to relieve paraparesis. Report of two cases. Jaffray D, et al. **Clin Orthop** 1987 Jan;(214):210–6

Chemonucleolysis of lumbar intervertebral disc prolapse with chymopapain: outcome after 1 year. Grindulis KA, et al. **Clin Rheumatol** 1987 Mar;6(1):42–9

Prediction of the angle of gibbus deformity in tuberculosis of the spine. Rajasekaran S, et al. **J Bone Joint Surg [Am]** 1987 Apr;69(4):503–9

Propionibacterium acnes osteomyelitis: case report and review of the literature. Noble RC, et al. **J Clin Microbiol** 1987 Feb;25(2):251–4

Aneurysmal bone cyst of transverse process of lumbar vertebra. Sagar JV, et al. **J Indian Med Assoc** 1986 Jul; 84(7):220–1

Inter– and intra–examiner reliability of motion palpation for the thoracolumbar spine. Love RM, et al. **J Manipulative Physiol Ther** 1987 Feb;10(1):1–4

A comparison of the effectiveness of spinal manipulative therapy for low back pain patients with and without spondylolisthesis. Mierau D, et al. **J Manipulative Physiol Ther** 1987 Apr;10(2):49–55

Late neurological dysfunction in adult lumbosacral lipoma. Maiuri F, et al. **J Neurosurg Sci** 1987 Jan–Mar;31(1):7–11

Traumatic spondylolysis—a case report. Chapman P. **J R Army Med Corps** 1987 Jun;133(2):96–7

re Surgical treatment of dorsal and lumbar spinal tuberculosis [letter] Blesovsky A. **J R Coll Surg Edinb** 1986 Aug; 31(4):258–9

Sealed rupture of abdominal aortic aneurysm imitating metastatic carcinoma. Carruthers R, et al. **J Vasc Surg** 1986 Nov;4(5):529–32

Non–operative treatment of a tuberculous paravertebral abscess. de Geest J, et al. **Neth J Med** 1987 Jun; 30(5–6):242–7

Primary extra–skeletal Ewing's sarcoma mimicking a disc protrusion. Ruelle A, et al. **Neurochirurgia (Stuttg)** 1987 Jul;30(4):125–6

Metrizamide–enhanced computed tomography as an adjunct to metrizamide myelography in the evaluation of lumbar disc herniation and spondylosis. Voelker JL, et al. **Neurosurgery** 1987 Mar;20(3):379–84

Pneumococcal vertebral osteomyelitis in an adult. Gelfand MS, et al. **South Med J** 1987 Apr;80(4):534–5

Lumbar spine osteolysis: an entity caused by spinal instability. Bradford DS, et al. **Spine** 1986 Dec;11(10):1013–9

Brucellosis of the spine. Report of a patient with bilateral paraspinal abscesses. Goodhart GL, et al. **Spine** 1987 May; 12(4):414–6

Lumbar spine orthosis wearing. I. Restriction of gross body motions. Lantz SA, et al. **Spine** 1986 Oct;11(8):834–7

Pyarthrosis of the sacroiliac joint presenting as lumbar radiculopathy. A case report. Lourie G, et al. **Spine** 1986 Jul–Aug;11(6):638–40

Solitary osteochondroma of the spine. Malat J, et al. **Spine** 1986 Jul–Aug;11(6):625–8

Operations for herniated lumbar discs. A follow–up study 2–5 years after surgery. Wallöe A, et al. **Spine** 1986 Jul–Aug;11(6):636–7

Spinal infection with Mycobacterium xenopi. Prosser AJ. **Tubercle** 1986 Sep;67(3):229–32

[Degenerative spondylolisthesis: report of 29 cases] Shi DY, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Oct;24(10):588–9, 637–8 (Eng. Abstr.) **(Chi)**

[2 cases of hematogenous infection in the area of a spondylolisthesis] Bozděch Z, et al. **Acta Chir Orthop Traumatol Cech** 1987 Feb;54(1):68–70 (Eng. Abstr.) **(Cze)**

[Spondylodiscitis in children following lumbar puncture. Apropos of a case] Griffet J, et al. **Chir Pediatr** 1986; 27(6):354–5 (Eng. Abstr.) **(Fre)**

[Isolated tuberculous involvement of a posterior vertebral arch. Value of x–ray computed tomography and puncture under ultrasonography for the diagnosis. Apropos of a case] Balard C, et al. **J Radiol** 1987 Jun–Jul;68(6–7):441–6 (Eng. Abstr.) **(Fre)**

[Inter–apophyseal articular synovial cyst of the lumbar spine. X–ray computed tomographic and magnetic resonance imaging correlation. Apropos of 2 cases] Granat O, et al. **J Radiol** 1987 May;68(5):387–90 (Eng. Abstr.) **(Fre)**

[Preliminary note on the treatment of vertebral angioma by percutaneous acrylic vertebroplasty] Galibert P, et al. **Neurochirurgie** 1987;33(2):166–8 (Eng. Abstr.) **(Fre)**

[Posterolateral arthrodesis in the treatment of spondylolisthesis and of lumbosacral disk arthrosis. Long–term results] Eveleigh MC, et al. **Rev Chir Orthop** 1986;72 Suppl 2:92–4 **(Fre)**

[Resection of bone tumors in the lumbo–sacroiliac region] Roy–Camille R, et al. **Rev Chir Orthop** 1987;73(2):110–3 **(Fre)**

["Partial diastematomyelia" in an adult with a posterior bony spur] Leys D, et al. **Rev Neurol (Paris)** 1987;143(1):63–7 (Eng. Abstr.) **(Fre)**

[Progressive spondylolisthesis following kidney transplantation] Engelmann L, et al. **Beitr Orthop Traumatol** 1986 Dec;33(12):588–91 (Eng. Abstr.) **(Ger)**

[Lumbar disk prolapse in conservative treatment] Becker–Casademont R, et al. **Fortschr Med** 1986 Oct 23; 104(40):745–8 (Eng. Abstr.) **(Ger)**

[Imaging procedures in the diagnosis of lumbar intervertebral disk displacement. Limits and possibilities] Anagnostopoulos–Schleep J, et al. **Med Klin** 1987 Mar 13; 82(5):199–206 **(Ger)**

[Technic of chemonucleolysis] Zierski J. **Neurochirurgia (Stuttg)** 1986 Sep;29 Suppl 1:130–3 (Eng. Abstr.) **(Ger)**

[Depressive disorder, pain perception and pain experience in patients with lumbar intervertebral disk displacement] Hasenbring M, et al. **Psychother Psychosom Med Psychol** 1987 May;37(5):149–55 (Eng. Abstr.) **(Ger)**

[Stenosis of the lumbar canal and intervertebral disk displacement in the aged] Stewen F, et al. **Z Gerontol** 1987 Mar–Apr;20(2):78–83 (Eng. Abstr.) **(Ger)**

[Early and late results of physical therapy in lumbar disk prolapse] Becker R, et al. **Z Orthop** 1987 Jan–Feb; 125(1):7–9 (Eng. Abstr.) **(Ger)**

[Spondylitis following chemonucleolysis—a case report] Starker M, et al. **Z Orthop** 1987 Jan–Feb;125(1):19–21 (Eng. Abstr.) **(Ger)**

[A case of amyloidosis associated with a solitary micromolecular plasmocytoma] Parenti G, et al. **Minerva Med** 1987 Apr 15;78(7):489–92 (Eng. Abstr.) **(Ita)**

[A case of renovascular hypertension due to chondrosarcoma arising from lumbar vertebrae] Akakura K, et al. **Hinyokika Kiyo** 1987 Mar;33(3):405–8 (Eng. Abstr.) **(Jpn)**

[Postoperative spondylodiscitis] Rusu M, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan–Mar;90(1):55–9 (Eng. Abstr.) **(Rum)**

[Radionuclide study of muscle blood flow using 133Xe in patients with lumbar osteochondrosis] Marchuk GS, et al. **Klin Khir** 1986;(12):50 **(Rus)**

[Treatment of the neurological manifestations of lumbar osteochondrosis] Kriuk AS, et al. **Ortop Travmatol Protez** 1986 Jul;(6):15–8 **(Rus)**

[Low–frequency magnetic field in the complex treatment of patients with lumbar osteochondrosis] Mitbrel' IM, et al. **Ortop Travmatol Protez** 1986 Oct;(10):24–7 (Eng. Abstr.) **(Rus)**

[Amplitude–modulated pulse therapy of lumbar osteochondrosis] Vasil'eva–Linetskaia LIa, et al. **Ortop Travmatol Protez** 1986 Jul;(6):46–7 **(Rus)**

[Indicators of intraosseous pressure and venospondylography in the diagnosis of inflammatory diseases of the spine] Tikhodeev SA, et al. **Vestn Khir** 1986 Sep;137(9):48–51 (Eng. Abstr.) **(Rus)**

[Justification for the differential use of amplitude–modulated pulse therapy in different clinical variants of lumbar osteochondrosis] Vasil'eva–Linetskaia LIa, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 May–Jun; (3):42–5 (Eng. Abstr.) **(Rus)**

[Complication of osteomyelitis of the lumbar spine] Nikishenko AA, et al. **Vrach Delo** 1987 Jul;(7):84–5 **(Rus)**

[Morphologic changes in tissues of the spinal canal in the radicular syndromes of lumbar osteochondrosis] Blagodatskiĭ MD, et al. **Zh Nevropatol Psikhiatr** 1987; 87(4):512–6 (Eng. Abstr.) **(Rus)**

[Decimeter radiothermometry in neurologic manifestations of lumbar osteochondrosis] Gustov AV, et al. **Zh Nevropatol Psikhiatr** 1987;87(4):490–3 (Eng. Abstr.) **(Rus)**

[Dynamic 4–zone sensometry in vertebrogenic lumbosacral radiculitis and lumboischialgia] Iaretskiĭ GI, et al. **Zh Nevropatol Psikhiatr** 1987;87(4):493–7 (Eng. Abstr.) **(Rus)**

[Features of the distribution of HLA antigens in patients with neurologic manifestations of lumbar osteochondrosis] Nedz'ved' GK, et al. **Zh Nevropatol Psikhiatr** 1987; 87(4):503–5 (Eng. Abstr.) **(Rus)**

["Autohemoblock" in the treatment of lumbosacral pain syndromes] Neĭmark EZ, et al. **Zh Nevropatol Psikhiatr** 1987;87(4):537–40 (Eng. Abstr.) **(Rus)**

[Intravenous novocaine block in the treatment of vertebrogenic sclerotomic and myotomic pain] Neĭmark EZ, et al. **Zh Nevropatol Psikhiatr** 1986;86(12):1787–90 (Eng. Abstr.) **(Rus)**

[Status of deep muscle sensitivity and its role in the pathogenesis and course of lumbar osteochondrosis] Protasova LL. **Zh Nevropatol Psikhiatr** 1986;86(12):1785–7 (Eng. Abstr.) **(Rus)**

[Immediate and late results of treating compression forms of lumbar osteochondrosis by the technic of puncture fenestration and decompression of the intervertebral disks] Shchedrenok VV, et al. **Zh Nevropatol Psikhiatr** 1986; 86(8):1158–61 (Eng. Abstr.) **(Rus)**

[The necessity of taking into account sanogenetic and pathogenetic reactions in the treatment of patients with the neurodystrophic form of lumboischialgia] Veselovskiĭ VP, et al. **Zh Nevropatol Psikhiatr** 1987;87(4):540–2 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Computerized tomography, clinical and X–ray correlations in the hemisacralized fifth lumbar vertebra. Avrahami E, et al. **Clin Rheumatol** 1986 Sep;5(3):332–7

Goldenhar's syndrome with unilateral Duane retraction syndrome and "butterfly" vertebra.Dastur YK, et al. **Indian J Ophthalmol** 1985 May–Jun;33(3):187–9

Breakdancer's back. Cannon SR, et al. **Injury** 1986 May; 17(3):199–200

[Indications for and technic in the correction of deformity by removal of a hemivertebra] Vlach O. **Acta Chir Orthop Traumatol Cech** 1986 Dec;53(6):500–3 (Eng. Abstr.) **(Cze)**

[Neonatal paralysis] Sharrard WJ. **Rev Chir Orthop** 1986; 72(4):247–52 **(Fre)**

[Aplasia of lumbar vertebral pedicle] Klaus E, et al. **Acta Univ Palacki Olomuc Fac Med** 1986;115:145–52 (Eng.

Abstr.) (Ger)
[Electromyographic and neurologic findings in radiologically demonstrated numerical variations in the lumbosacral transition] Eickhoff W, et al. **Neurochirurgia (Stuttg)** 1986 Sep;29(5):189–92 (Eng. Abstr.) (Ger)
[Congenital absence of a vertebral peduncle. Observations on 4 cases] Sorrentino S, et al. **Radiol Med (Torino)** 1987 Jan–Feb;73(1–2):109–12 (Ita)
[The unilateral hypoplastic lumbar pedicle] Oba S, et al. **Rinsho Hoshasen** 1986 Oct;31(10):1125–6 (Jpn)
[Pathomechanism of deformities and increased stenosis of the spinal and intervertebral canal in the lower lumbar segment of the spine in experimental studies and clinical and radiologic observations] Królewski J. **Ann Acad Med Stetin** 1986;32:123–64 (Eng. Abstr.) (Pol)
[Epiphyseal spondylolysis (synchondrosis neurocentralis)] Nowak C. **Chir Narzadow Ruchu Ortop Pol** 1986; 51(2):122–5 (Eng. Abstr.) (Pol)
[A variant of the development anomaly of the arch of the 5th lumbar vertebra] Sadof'eva VI, et al. **Ortop Travmatol Protez** 1987 May;(5):64–5 (Rus)
[Surgical treatment of spinal deformities in Bechterew's disease] Tsiv'ian IaL. **Ortop Travmatol Protez** 1986 Oct; (10):31–6 (Eng. Abstr.) (Rus)
[Case of a developmental anomaly of the 5th lumbar vertebra with radicular syndrome and osteoid osteoma of the upper third of the femur] Voronovich IR, et al. **Ortop Travmatol Protez** 1986 Aug;(8):58–9 (Rus)

ANALYSIS

Vertebral trabecular bone: comparison of single and dual-energy CT measurements with chemical analysis. **Burgess AE, et al. J Comput Assist Tomogr** 1987 May–Jun; 11(3):506–15
[Quantification of bone mineral density at the 3d lumbar vertebra by dual photon absorptiometry in healthy subjects] Fukunaga M, et al. **Kaku Igaku** 1987 Apr;24(4):469–73 (Eng. Abstr.) (Jpn)
[Measurement of bone mineral content in trabecular bone of the 3rd lumbar vertebra by computed tomography with phantom for spine] Fukunaga M, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 May 25; 46(5):659–64 (Eng. Abstr.) (Jpn)

ANATOMY & HISTOLOGY

MR imaging of the lumbar spine: anatomic correlations and the effects of technical variations. Reicher MA, et al. **AJR** 1986 Nov;147(5):891–8
Cadaver anatomic analysis of the best site for chemical lumbar sympathectomy. Umeda S, et al. **Anesth Analg** 1987 Jul;66(7):643–6
Dimensions of human lumbar vertebrae in the sagittal plane. Nissan M, et al. **J Biomech** 1986;19(9):753–8
A morphometric study of human lumbar and selected thoracic vertebrae. Berry JL, et al. **Spine** 1987 May; 12(4):362–7
Centrode patterns in the lumbar spine. Baseline studies in normal subjects. Ogston NG, et al. **Spine** 1986 Jul–Aug; 11(6):591–5
Analysis of the morphometric characteristics of the thoracic and lumbar pedicles. Zindrick MR, et al. **Spine** 1987 Mar; 12(2):160–6
[Lumbosacral transitional vertebrae in the dog] Winkler W, et al. **Berl Munch Tierarztl Wochenschr** 1986 Oct 1; 99(10):343–6 (Eng. Abstr.) (Ger)
[Measurements and forms of intervertebral foramina of the posterior lumbar spine] Goździewski S, et al. **Gegenbaurs Morphol Jahrb** 1987;133(1):61–9 (Eng. Abstr.) (Ger)

BLOOD SUPPLY

[Segmental distribution of lumbar arteries] Prostran M, et al. **Srp Arh Celok Lek** 1986 Oct;114(10):933–8 (Eng. Abstr.) (Scc)

DRUG EFFECTS

Chemonucleolysis versus open discectomy: the case against chymopapain. Day AL, et al. **Clin Neurosurg** 1986; 33:385–96

GROWTH & DEVELOPMENT

Evolution of the lumbosacral angle. Abitbol MM. **Am J Phys Anthropol** 1987 Mar;72(3):361–72
The clonal model of vertebral column development: a reinvestigation of vertebral shape using Fourier analysis. O'Higgins P, et al. **J Embryol Exp Morphol** 1986 Jul; 96:171–82

INJURIES

Spinal deformities and pseudofractures. Boechat MI. **AJR** 1987 Jan;148(1):97–8
The posterior vertebral body line: importance in the detection of burst fractures. Daffner RH, et al. **AJR** 1987 Jan; 148(1):93–6
CT patterns of facet fracture dislocations in the thoracolumbar region. Manaster BJ, et al. **AJR** 1987 Feb; 148(2):335–40
Post-traumatic spinal stenosis. Weisz GM. **Arch Orthop Trauma Surg** 1986;106(1):57–60
Spine fractures in ankylosing spondylitis. Fast A, et al. **Arch Phys Med Rehabil** 1986 Sep;67(9):595–7
Seat-belt stomach transection in association with 'Chance' vertebral fracture. Carragher AM, et al. **Br J Surg** 1987 May;74(5):397
Surgical management of thoracolumbar spine fractures with incomplete neurologic deficits. Bradford DS, et al. **Clin Orthop** 1987 May;(218):201–16
Thoracolumbar fractures in winter sports. Keene JS. **Clin Orthop** 1987 Mar;(216):39–49
Spinal and abdominal injury in an infant due to the incorrect use of a car seat belt. Hope PG, et al. **Injury** 1986 Nov; 17(6):368–9
Fracture of the pedicle of the fourth lumbar vertebra associated with contralateral spondylolysis. Report of a case. Aland C, et al. **J Bone Joint Surg [Am]** 1986 Dec; 68(9):1454–5
Bilateral stress fracture of the lumbar pedicles in a ballet dancer. A case report. Ireland ML, et al. **J Bone Joint Surg [Am]** 1987 Jan;69(1):140–2
Acquired spondylolysis after posterolateral spinal fusion. Blasier RD, et al. **J Pediatr Orthop** 1987 Mar–Apr; 7(2):215–7
Ultralight aircraft crashes: their increasing incidence and associated fractures of the thoracolumbar spine. Zwimpfer TJ, et al. **J Trauma** 1987 Apr;27(4):431–6
Aortic injury occurring after minor trauma in ankylosing spondylitis. Schaberg FJ Jr. **J Vasc Surg** 1986 Oct; 4(4):410–1
Mechanical contribution to lumbar stress injuries in female gymnasts. Hall SJ. **Med Sci Sports Exerc** 1986 Dec; 18(6):599–602
Management of non-contiguous vertebral fractures. Tearse DS, et al. **Paraplegia** 1987 Apr;25(2):100–5
The CT appearance of two-level fractures of the posterior vertebral apophysis. A case report. De Santis M, et al. **Rays** 1985 May–Aug;10(2):19–21
Unstable fractures of the thoracic and lumbar spine treated with Harrington distraction instrumentation and sublaminar wires. Louw JA. **S Afr Med J** 1987 Jun 20;71(12):759–62
The management of burst fractures of the fifth lumbar vertebra. Court-Brown CM, et al. **Spine** 1987 Apr; 12(3):308–12
Lateral flexion–distraction fracture. A variant of the seat-belt fracture. Herron LD. **Spine** 1987 May;12(4):398–400
Compression–distraction instrumentation of unstable thoracolumbar fractures: anatomic results obtained with each type of injury and method of instrumentation. Keene JS, et al. **Spine** 1986 Nov;11(9):895–902
Pathological fracture of vertebral column in association with sickle cell anemia in Saudi Arabia. Al-Awamy B, et al. **Trop Geogr Med** 1986 Dec;38(4):421–4
[Nursing care of patients with a simple bending-shaped compressive fracture of the thoracic and lumbar vertebra] **Chung Hua Hu Li Tsa Chih** 1986 Aug;21(5):202–3 (Chi)
[Semilaminectomy and lateral-anterior decompression for an old injury of the thoraco-lumbar spine] Jia LS, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Jun;24(6):346–9, 382 (Eng. Abstr.) (Chi)
[Treatment of fracture-dislocation of the thoracolumbar spine with paraplegia by a prop-up instrument] Yuan FY, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Jun;24(6):344–5, 382 (Eng. Abstr.) (Chi)
[Stabilization of thoraco-lumbar spinal fractures using Harrington's equipment. Study of the evolution of spinal curvatures] Kerboul B, et al. **Neurochirurgie** 1986; 32(5):391–7 (Eng. Abstr.) (Fre)
[Radiologic follow-up of vertebral compression fractures] Böhnel P. **Rontgenpraxis** 1986 Jul;39(7):237–40 (Ger)
[Results of different surgical procedures in the treatment of fresh injuries of the thoracic and lumbar spine] Blauth M, et al. **Unfallchirurg** 1987 Jun;90(6):260–73 (Eng. Abstr.) (Ger)
[Osteosynthesis of the spine with individually adapted plate of carbon fiber reinforced polysulfone] Burri C, et al. **Unfallchirurg** 1986 Nov;89(11):528–32 (Eng. Abstr.) (Ger)
[Scintigraphic findings in fracture of the vertebral body] Milachowski KA, et al. **Unfallchirurgie** 1987 Apr;13(2):93–8 (Eng. Abstr.) (Ger)
[Conservative functional treatment of fractures of the thoracic and lumbar vertebrae] Pannike A, et al. **Unfallchirurgie** 1986 Dec;12(6):337–41 (Eng. Abstr.) (Ger)
[Our experience in treating dorsal and lumbar vertebral fractures] Corapi U, et al. **Arch Putti Chir Organi Mov** 1985;35:203–8 (Eng. Abstr.) (Ita)
[Post-traumatic bony bridges of the spinal column] Kniahynicki C, et al. **Riv Neurol** 1986 Nov–Dec; 56(6):378–82 (Eng. Abstr.) (Ita)
[Childhood acute lymphoblastic leukemia with osteoporosis and compression fracture of vertebrae: report of a case and review of the literature] Koga H, et al. **Rinsho Ketsueki** 1986 Jun;27(6):898–902 (Eng. Abstr.) (Jpn)
[Spinal fractures in children] Synder M, et al. **Chir Narzadow Ruchu Ortop Pol** 1986;51(2):102–4 (Eng. Abstr.) (Pol)
[Uncomplicated compression fractures of the vertebral body in children] Elistratov SM, et al. **Ortop Travmatol Protez** 1986 Oct;(10):14–7 (Eng. Abstr.) (Rus)
[Reconstruction of the spinal cord in complicated injury to the thoracic and lumbar spine with free peripheral nerve grafts] Iumashev GS, et al. **Ortop Travmatol Protez** 1987 Mar;(3):63–6 (Rus)
[Substantiation of the methods of surgical treatment of inveterate complicated injuries of the lumbar segment of the spine] Khvisiuk NI, et al. **Ortop Travmatol Protez** 1986 Oct;(10):8–14 (Eng. Abstr.) (Rus)
[Disability after uncomplicated compression fractures of the vertebral bodies] Lyba RM, et al. **Ortop Travmatol Protez** 1987 May;(5):10–2 (Eng. Abstr.) (Rus)
[Fracture-dislocations of the vertebrae with lengthwise deviation] Saldun GP. **Ortop Travmatol Protez** 1986 Oct; (10):48–9 (Rus)
[Roentgenological characteristics of the structural changes in the spine in sportsmen] Voronovich IR, et al. **Ortop Travmatol Protez** 1986 Oct;(10):21–4 (Eng. Abstr.) (Rus)
[Elimination of anterior compression of the spinal cord using the posterior approach] Elizarov VG. **Vestn Khir** 1986 Sep; 137(9):98–101 (Eng. Abstr.) (Rus)

INNERVATION

Innervation of lumbar zygapophyseal joint synovial folds. Giles LG, et al. **Acta Orthop Scand** 1987 Feb;58(1):43–6
[Percutaneous lumbar facet denervation. Indications and significance in chronic backache] Hildebrandt J, et al. **Z Orthop** 1987 Mar–Apr;125(2):154–9 (Eng. Abstr.) (Ger)
[Nucleus motorius lateralis in the lumbosacral segment of the spinal cord in horses] Flieger S, et al. **Pol Arch Weter** 1984;24(1):125–31 (Eng. Abstr.) (Pol)
[Nucleus motorius medialis in the lumbosacral segment of the spinal cord in horses] Slawomirski J, et al. **Pol Arch Weter** 1984;24(1):133–7 (Eng. Abstr.) (Pol)

MICROBIOLOGY

Peptostreptococcal vertebral osteomyelitis. Papasian CJ, et al. **J Clin Microbiol** 1986 Oct;24(4):633–5

PATHOLOGY

Fine needle aspiration cytology of tuberculosis of the lumbar vertebrae (Pott's disease). Silverman JF, et al. **Acta Cytol (Baltimore)** 1986 Sep–Oct;30(5):538–42
Magnetic resonance imaging of intraspinal epidermoid cyst: a case report. Phillips J, et al. **J Comput Tomogr** 1987 Apr; 11(2):181–3
Sonographic measurement of vertebral dislocation in spondylolisthesis. Tallroth K, et al. **J Pediatr Orthop** 1987 Sep–Oct;7(5):538–40
Pressure related changes in human lumbosacral zygapophyseal joint articular cartilage. Giles LG. **J Rheumatol** 1986 Dec;13(6):1093–5
Large lumbar osteophyte: an unusual cause of false clinical impression of common iliac artery aneurysm. Schwab H, et al. **J Ultrasound Med** 1986 Oct;5(10):595–6
The use of magnetic resonance imaging in the diagnosis of postoperative lumbar conditions. Weisz GM, et al. **Med J Aust** 1987 Jan 19;146(2):99–101
End plate of the discovertebral joint: degenerative change in the elderly adult. Aoki J, et al. **Radiology** 1987 Aug; 164(2):411–4
Lumbar spine: postoperative assessment with surface-coil MR imaging. Ross JS, et al. **Radiology** 1987 Sep; 164(3):851–60
Vertebral hemangiomas: MR imaging. Ross JS, et al. **Radiology** 1987 Oct;165(1):165–9
Variations in the amount and distribution of cortical bone across the partes interarticulares of L5. A predisposing factor in spondylolysis? Cyron BM, et al. **Spine** 1979 Mar–Apr;4(2):163–7
Facet joint orientation, facet and costovertebral joint osteoarthrosis, disc degeneration, vertebral body osteophytosis, and Schmorl's nodes in the thoracolumbar junctional region of cadaveric spines. Malmivaara A, et al. **Spine** 1987 Jun;12(5):458–63
[Magnetic resonance tomography of the postoperative lumbar spine. A comparison of the MR versus CT images in recurrent intervertebral disk prolapse] Braitinger S, et al. **ROFO** 1987 Aug;147(2):185–91 (Eng. Abstr.) (Ger)
[Clinical relevance of vertebral joint changes in the lumbar vertebrae] Scale D, et al. **Z Orthop** 1986 Jul–Aug; 124(4):454–6 (Ger)
[Use of transpedicular biopsy in the diagnosis of vertebral tumors] Misasi N, et al. **Arch Putti Chir Organi Mov** 1985; 35:355–9 (Eng. Abstr.) (Ita)

PHYSIOLOGY

Trunk force development during static and dynamic lifts. Marras WS, et al. **Hum Factors** 1987 Feb;29(1):19–29
In situ mechanical behavior of posterior spinal ligaments in the lumbar region. An in vitro study. Dumas GA, et al. **J Biomech** 1987;20(3):301–10
Variation of lumbar spine stiffness with load. Edwards WT, et al. **J Biomech Eng** 1987 Feb;109(1):35–42
Axis for dynamic measurement of flexion and extension torques about the lumbar spine. A computer simulation. Stokes IA. **Phys Ther** 1987 Aug;67(8):1230–3
Diurnal variations in the stresses on the lumbar spine. Adams

MA, et al. **Spine** 1987 Mar;12(2):130–7
The loads on the lumbar spine during extreme weight lifting. Granhed H, et al. **Spine** 1987 Mar;12(2):146–9
A study of the compressive properties of lumbar vertebral trabeculae: effects of tissue characteristics. Hansson TH, et al. **Spine** 1987 Jan–Feb;12(1):56–62
Effect of lumbar posture on lifting. Hart DL, et al. **Spine** 1987 Mar;12(2):138–45
Lumbar spine orthosis wearing. II. Effect on trunk muscle myoelectric activity. Lantz SA, et al. **Spine** 1986 Oct; 11(8):838–42
Method and instrument for noninvasive measurements of thoracolumbar rotation. Mellin G. **Spine** 1987 Jan–Feb; 12(1):28–31
Measurement of lumbar sagittal mobility. A comparison of methods. Salisbury PJ, et al. **Spine** 1987 Mar;12(2):190–3
Mechanical response of a lumbar motion segment in axial torque alone and combined with compression. Shirazi-Adl A, et al. **Spine** 1986 Nov;11(9):914–27
A critique of 'The Optimum Spine'. Stokes IA, et al. **Spine** 1987 Jun;12(5):511–2
Age changes in lumbar zygapophyseal joints. Observations on structure and function. Taylor JR, et al. **Spine** 1986 Sep;11(7):739–45
The abdominal muscles and vertebral stability. Tesh KM, et al. **Spine** 1987 Jun;12(5):501–8
Harrington instrumentation into the lumbar spine. Technique for preservation of normal lumbar lordosis. Winter RB. **Spine** 1986 Jul–Aug;11(6):633–5

PHYSIOPATHOLOGY

Mechanical properties of lumbar spinal motion segments as affected by partial disc removal. Goel VK, et al. **Spine** 1986 Dec;11(10):1008–12
Biomechanics of lumbosacral spinal fusion in combined compression–torsion loads. Yang SW, et al. **Spine** 1986 Nov;11(9):937–41

RADIOGRAPHY

Reducing roentgenography use. Can patient expectations be altered? Deyo RA, et al. **Arch Intern Med** 1987 Jan; 147(1):141–5
X-rays and human error. Shannon L. **Aust Fam Physician** 1986 Nov;15(11):1455
Lumbar neurofibromas. The CT appearance and differential diagnosis. Lau LS, et al. **Australas Radiol** 1987 Feb; 31(1):83–7
Lumber facet joint block: a simplified technique. Lau LS. **Australas Radiol** 1986 Aug;30(3):251–4
Radiation exposure in radiology of the lumbar spine. Petty RJ, et al. **Australas Radiol** 1986 Nov;30(4):347–9
Avoidance of ring artifacts in lumbar spine computed tomography in obese patients [letter] Coulden RA, et al. **Br J Radiol** 1987 May;60(713):518
Sagittal radiographic measurements of the cervical and lumbar vertebrae in normal adults. Gilad I, et al. **Br J Radiol** 1985 Nov;58(695):1031–4
Disc damage above a spondylolisthesis. Henson J, et al. **Br J Radiol** 1987 Jan;60(709):69–72
Direct coronal computed tomography of the lumbar spine: a new technical approach in supine position. Schnyder P, et al. **Eur J Radiol** 1986 Nov;6(4):248–51
Computed tomography and myelography of the lumbar spine—community hospital experience. Hilger DJ, et al. **Iowa Med** 1987 Feb;77(2):69–73
Unicameral bone cyst of a lumbar vertebra. A case report. Brodsky AE, et al. **J Bone Joint Surg [Am]** 1986 Oct; 68(8):1283–5
The use of computerized tomography in evaluating non-visualized vertebral levels caudad to a complete block on a lumbar myelogram. A review of thirty-two cases. Herkowitz HN, et al. **J Bone Joint Surg [Am]** 1987 Feb; 69(2):218–24
The oblique cranial tilt view for spondylolysis. Dubowitz B, et al. **J Bone Joint Surg [Br]** 1987 May;69(3):421
Spondylolysis in the upper lumbar spine. A study of 32 patients. Lowe J, et al. **J Bone Joint Surg [Br]** 1987 Aug; 69(4):582–6
Computed tomography application to lumbar epidurography. Savolaine ER, et al. **J Comput Tomogr** 1987 Apr; 11(2):193–9
Lumbar disc herniation. A prospective comparison of computed tomography and myelography. Bhoopat W, et al. **J Med Assoc Thai** 1987 Jan;70(1):9–13
Lumbar discography [letter] Singh GS. **J Neurosurg** 1986 Nov;65(5):728
Use of radiography for screening employees for risk of low-back disability. Edeiken J, et al. **J Occup Med** 1986 Oct;28(10):995–7
Use and effectiveness of chest radiography and low-back radiography in screening. Joseph LP, et al. **J Occup Med** 1986 Oct;28(10):998–1003
Reliability of clinical examination and computed tomography in the diagnosis of extreme lateral disc herniation. Spanu G, et al. **Neurochirurgia (Stuttg)** 1987 Jul;30(4):112–4
Tissue inhomogeneity within lumbar costotransverse foramen. Johansen JG. **Neuroradiology** 1987;29(4):406
Lumbar myelography with Omnipaque (iohexol). Lilleås F, et al. **Neuroradiology** 1986;28(4):344–6
Traumatic lumbosacral dislocation. A case report and review of the literature. Wilchinsky ME. **Orthopedics** 1987 Sep; 10(9):1271–4
Round anterior margin of lumbar vertebral bodies in children with a meningomyelocele. Kramer PP, et al. **Pediatr Radiol** 1987;17(3):263
Don't discard diskography [letter] Bernard TN Jr. **Radiology** 1987 Jan;162(1 Pt 1):285
The role of diskography in the 1980s [letter] Errico TJ. **Radiology** 1987 Jan;162(1 Pt 1):285–6
Lumbar spine after surgery: examination with intravenous contrast-enhanced CT. Firooznia H, et al. **Radiology** 1987 Apr;163(1):221–6
Osteoarthritis of the facet joints: accuracy of oblique radiographic assessment. Pathria M, et al. **Radiology** 1987 Jul;164(1):227–30
Lumbar disk herniation: diagnosis with CT or myelography. Schipper J, et al. **Radiology** 1987 Oct;165(1):227–31
Lumbar diskography [letter] Scullin DR. **Radiology** 1987 Jan; 162(1 Pt 1):284
Solitary osteochondroma of the spine. Report of two unusual cases in children. Kozlowski K, et al. **ROFO** 1987 Apr; 146(4):462–4
Occupation, work load and the size and shape of lumbar vertebral canals. Vanharanta H, et al. **Scand J Work Environ Health** 1987 Apr;13(2):146–9
Case report 396: Osseous sequelae of tuberculous spondylitis as demonstrated by computer tomography. Hall FM, et al. **Skeletal Radiol** 1986;15(7):589–92
X-rays and back pain. **South Med J** 1987 Apr;80(4):536–7
Rapid infusion intravenous contrast-enhanced computed tomography in the diagnosis of intraspinal malignant schwannoma. Cazenave C, et al. **Spine** 1987 May; 12(4):416–8
Lumbar instability: a dynamic approach by traction–compression radiography. Friberg O. **Spine** 1987 Mar;12(2):119–29
A comparative analysis of the interpretations of lumbar spinal radiographs by chiropractors and medical doctors. Frymoyer JW, et al. **Spine** 1986 Dec;11(10):1020–3
The relative value of lumbar roentgenograms, metrizamide myelography, and discography in the assessment of patients with chronic low-back syndrome. Grubb SA, et al. **Spine** 1987 Apr;12(3):282–6
Complications of myelography after partial metrizamide withdrawal. Hodges SD, et al. **Spine** 1987 Jan–Feb; 12(1):53–5
Back surface curvature and measurement of lumbar spinal motion. Stokes IA, et al. **Spine** 1987 May;12(4):355–61
Lateral lumbar spine roentgenograms: potential role in complications of lumbar disc surgery. Gower DJ, et al. **Surg Neurol** 1987 Apr;27(4):316–8
Bilateral symptomatic intraspinal T12–L1 synovial cysts. Holtzman RN, et al. **Surg Neurol** 1987 Sep;28(3):225–30
Spongious bone density determination for staging and follow-up of patients with prostatic cancer. Golimbu M, et al. **Urology** 1986 Dec;28(6):534–9
[Progress in the diagnosis of the vertebral lumbosciatic syndrome using computer tomography] Sobota J, et al. **Cas Lek Cesk** 1987 Apr 17;126(16):487–9 (Eng. Abstr.) **(Cze)**
[Computed tomography of the lumbar region] Lähde S, et al. **Duodecim** 1987;103(4):208–13 **(Fin)**
[Posterior lumbar vertebral arthrography. Pathologic aspects] Sellier N, et al. **J Radiol** 1986 Jun–Jul;67(6–7):497–506 (Eng. Abstr.) **(Fre)**
[Posterior lumbar vertebral arthrography. Normal anatomic study] Sellier N, et al. **J Radiol** 1986 Jun–Jul;67(6–7):487–95 (Eng. Abstr.) **(Fre)**
[Significance of diskography and contrast medium/enzyme interaction] Pon A, et al. **Neurochirurgia (Stuttg)** 1986 Sep; 29 Suppl 1:134–7 (Eng. Abstr.) **(Ger)**
[Cerebral seizure following lumbar myelography with iopamidol] Grunert P, et al. **Radiologe** 1986 Nov; 26(11):526–7 (Eng. Abstr.) **(Ger)**
[Large styloid process of the lumbar spine with nearthrosis] Arany L, et al. **ROFO** 1987 Aug;147(2):226–7 **(Ger)**
[Lumbar reprolapse or scar tissue? An attempt at differentiation via a computer tomographic bicolor mode] Dihlmann W. **ROFO** 1987 Mar;146(3):330–4 (Eng. Abstr.) **(Ger)**
[Scalloping at the lumbosacral canal] Reinhardt R. **Rontgenblatter** 1987 Jul;40(7):229–31 (Eng. Abstr.) **(Ger)**
[Measuring vertebral body height in monitoring osteoporosis] Schmidt CW. **ZFA** 1987 Jan–Feb;42(1):41–3 (Eng. Abstr.) **(Ger)**
[Description of a complication of the subclavicular catheterization of the subclavial vein] Mellano C, et al. **Minerva Anestesiol** 1987 Apr;53(4):145–7 (Eng. Abstr.) **(Ita)**
[Agnogenic myeloid metaplasia: CT findings] Tsunoda H, et al. **Rinsho Hoshasen** 1987 Feb;32(2):303–7 (Eng. Abstr.) **(Jpn)**
[Infectious nonspecific spondylitis] Teresiak T, et al. **Wiad Lek** 1986 Sep 15;39(18):1263–5 (Eng. Abstr.) **(Pol)**
[Growth disorders of the vertebral bodies in hematogenous spinal osteomyelitis in children and adolescents] Sizov VA. **Vestn Rentgenol Radiol** 1987 May–Jun;(3):66–70 (Eng. Abstr.) **(Rus)**
[Problem of standardization of roentgenological examination of the spine in osteochondrosis] Martynov MG. **Voen Med Zh** 1987 May;(5):69 **(Rus)**

RADIONUCLIDE IMAGING

Scintigraphy of persistent vertebral transverse process epiphysis. Mandell GA, et al. **Clin Nucl Med** 1987 May; 12(5):359–62
Are scintigrams of the spine useful in vertebral osteoporosis? Hordon LD, et al. **Clin Radiol** 1986 Sep;37(5):487–9
Bone scintigraphy in symptomatic spondylolysis. van den Oever M, et al. **J Bone Joint Surg [Br]** 1987 May; 69(3):453–6
Anterior view on bone scan for the early diagnosis of bacterial lumbar spondylitis [letter] Amico S, et al. **J Nucl Med** 1987 Feb;28(2):254–5
Trabecular bone mineral density in idiopathic scoliosis. Cook SD, et al. **J Pediatr Orthop** 1987 Mar–Apr;7(2):168–74
Bone mineral content of the spine with dual photon absorptiometry: normalization of the values. Praet JP, et al. **Nucl Med Commun** 1986 Oct;7(10):761–70
Osteopaenia of the lumbar spine and femoral neck in anorexia nervosa. Treasure J, et al. **Scott Med J** 1986 Jul;31(3):206–7

SURGERY

Operative treatment of thoraco–lumbar metastases, using methylmetacrylate and Kempf's rods for vertebral replacement and stabilization. Report of 15 cases. Lozes G, et al. **Acta Neurochir (Wien)** 1987;84(3–4):118–23
Anomalous ossicle in a lumbar facet joint. Kofod S, et al. **Arch Orthop Trauma Surg** 1987;106(5):333–4
Lumbar microdiscectomy: a contrary opinion. Fager CA. **Clin Neurosurg** 1986;33:419–56
Microlumbar discectomy. Maroon JC, et al. **Clin Neurosurg** 1986;33:407–17
Posterior lumbar interbody fusion [letter] Jaslow RJ. **Clin Orthop** 1987 Jul;(220):308–9
The treatment of primary vertebral tumors by radical resection and prosthetic vertebral replacement. Ma YZ, et al. **Clin Orthop** 1987 Feb;(215):78–90
Multiple lumbar arachnoid cysts. Case report. Pappalardo S, et al. **Ital J Orthop Traumatol** 1986 Sep;12(3):359–63
Staged salvage reconstruction of grade-IV and V spondylolisthesis. Bradford DS, et al. **J Bone Joint Surg [Am]** 1987 Feb;69(2):191–202
The lumbar facet arthrosis syndrome. Clinical presentation and articular surface changes. Eisenstein SM, et al. **J Bone Joint Surg [Br]** 1987 Jan;69(1):3–7
A posttraumatic lumbar spinal synovial cyst. Case report. Franck JI, et al. **J Neurosurg** 1987 Feb;66(2):293–6
Wound infections in lumbar spinal surgery: clinical features and management. Prosser AJ, et al. **J R Coll Surg Edinb** 1986 Oct;31(5):296–9
Computed tomography in the postoperative lumbar spine. Kornberg M. **Orthopedics** 1987 Jul;10(7):1031–3
Pseudarthrosis following lumbar fusion: detection by direct coronal CT scanning. Chafetz N, et al. **Radiology** 1987 Mar; 162(3):803–5
Painful pseudarthrosis following lumbar spinal fusion: detection by combined SPECT and planar bone scintigraphy. Slizofski WJ, et al. **Skeletal Radiol** 1987; 16(2):136–41
Epidural morphine for pain relief after lumbar laminectomy. Ibrahim AW, et al. **Spine** 1986 Dec;11(10):1024–6
Long-term follow-up of lower lumbar fusion patients. Lehmann TR, et al. **Spine** 1987 Mar;12(2):97–104
Lytic spondylolysis. Repair by wiring. Nicol RO, et al. **Spine** 1986 Dec;11(10):1027–30
Toward uniformity in evaluating results of lumbar spine operations. A paradigm applied to posterior lumbar interbody fusions. Prolo DJ, et al. **Spine** 1986 Jul–Aug; 11(6):601–6
A new device to reduce intra-abdominal pressure during lumbar surgery. Sundén G, et al. **Spine** 1986 Jul–Aug; 11(6):635–6
Posterior lumbar interbody fusion with the keystone graft: technique and results. Branch CL, et al. **Surg Neurol** 1987 May;27(5):449–54
Iatrogenic lumbar pseudomeningocele. Rocca A, et al. **Zentralbl Neurochir** 1986;47(4):311–5
[Bilateral postero-lateral vertebral approach by median incision in spondylolisthesis caused by spondylolysis. 30 cases] Autricque A, et al. **Ann Chir** 1986 Oct;40(7):474–9 (Eng. Abstr.) **(Fre)**
[Posterolateral approach to tumors of the dorsal and lumbar spine] Lesoin F, et al. **Ann Chir** 1986 Apr;40(3):205–9 (Eng. Abstr.) **(Fre)**
[The narrow lumbar canal. Study of a surgical series of 139 cases] Grellier P, et al. **Neurochirurgie** 1986;32(6):471–6 (Eng. Abstr.) **(Fre)**
[Resection of the lower spine and sacrum] Edwards C. **Rev Chir Orthop** 1987;73(2):122–8 **(Fre)**
[Results of surgical treatment of spondylolisthesis using posterolateral intertransverse grafts. Apropos of 39 cases] Leyvraz PF, et al. **Rev Chir Orthop** 1987;73(2):137–41 (Eng. Abstr.) **(Fre)**
[Surgery of severe vertebral kyphosis in ankylosing spondylitis] Roy-Camille R, et al. **Rev Rhum Mal Osteoartic** 1987 Mar;54(3):261–7 (Eng. Abstr.) **(Fre)**
[Intercorporal traction spondylodeses of the lumbar spine—results and experiences] Gutsche H, et al. **Beitr Orthop Traumatol** 1987 Jun;34(6):277–87 (Eng. Abstr.) **(Ger)**
[Comparison of the microsurgical lumbar intervertebral disk

operation with the conventional technic in free sequestered intervertebral disk prolapse. A retrospective study based on 267 cases] Kho HC, et al. **Neurochirurgia (Stuttg)** 1986 Sep;29(5):181–5 (Eng. Abstr.) (Ger)

[Roentgen morphology following interventions of the lumbar intervertebral disk] Hansen C, et al. **Rontgenblatter** 1986 Oct;39(10):280–6 (Eng. Abstr.) (Ger)

[Ureteral injuries in intervertebral lumbar disk surgery] Heller V, et al. **Urologe [A]** 1986 Nov;25(6):347–50 (Eng. Abstr.) (Ger)

[An alternative treatment strategy in lumbar intervertebral disk damage using an SB Charité modular type intervertebral disk endoprosthesis] Büttner–Janz K, et al. **Z Orthop** 1987 Jan–Feb;125(1):1–6 (Eng. Abstr.) (Ger)

[Stabilization of the lumbosacral segment by distracting posterolateral spondylodesis using the Zielke divided sacral strut. Analysis of 400 cases based on indications, results and cause of errors] Krähe T, et al. **Z Orthop** 1986 Nov–Dec;124(6):713–25 (Eng. Abstr.) (Ger)

[Ventral intercorporal spondylodesis in lumbar instabilities] Kreusch–Brinker R, et al. **Z Orthop** 1986 Sep–Oct; 124(5):619–27 (Eng. Abstr.) (Ger)

[Personal experience using the Cloward dorsal intercorporal spondylodesis] Uehlinger K, et al. **Z Orthop** 1987 Mar–Apr; 125(2):137–42 (Eng. Abstr.) (Ger)

[Blood pressure regulation in neurosurgical interventions in the lumbar area in the seated patient] Fichtner D, et al. **Zentralbl Neurochir** 1986;47(4):334–8 (Eng. Abstr.) (Ger)

[Transdural penetration of sequestered hernias of lumbar intervertebral disks] Lampe J, et al. **Zentralbl Neurochir** 1986;47(2):116–9 (Eng. Abstr.) (Ger)

[Arachnoiditis ossificans after repeated myelographies and spinal operations—a case report and review of the literature] Tanaka K, et al. **No Shinkei Geka** 1987 Jan; 15(1):89–93 (Eng. Abstr.) (Jpn)

[Current possibilities of surgical treatment of patients with ankylosing spondylitis] Smiłowicz M. **Chir Narzadow Ruchu Ortop Pol** 1986;51(6):476–81 (Eng. Abstr.) (Pol)

[Experience and the results of treating scoliosis using anterior derotation spondylodesis (VDS–Zielke) and Harrington's operation] Zippel H, et al. **Chir Narzadow Ruchu Ortop Pol** 1986;51(6):468–71 (Eng. Abstr.) (Pol)

[Surgical treatment of lumbar osteochondrosis] Kaz'min AI, et al. **Ortop Travmatol Protez** 1986 Oct;(10):17–20 (Eng. Abstr.) (Rus)

[A method of anterior spondylodesis of the lumbo–sacral segment of the spine] Voronovich IR, et al. **Ortop Travmatol Protez** 1987 May;(5):56 (Rus)

[Extrafocal fixation of the spine in tuberculous spondylitis] Lavrov VN. **Sov Med** 1986;(10):29–33 (Eng. Abstr.) (Rus)

LUMBOSACRAL PLEXUS

Extended neuralgic amyotrophy syndrome. Byrne E. **Aust NZ J Med** 1987 Feb;17(1):34–8

Genito–femoral neuropathy. Rischbieth RH. **Clin Exp Neurol** 1986;22:145–7

Lumbosacral nerve plexus compression by ovarian–fallopian cysts. Yeo PT, et al. **Clin Exp Neurol** 1986;22:139–43

Palliative irradiation of carcinomatous lumbosacral plexus neuropathy. Ampil FL. **Int J Radiat Oncol Biol Phys** 1986 Sep;12(9):1681–6

Metastatic malignant glioma with resultant extradural compression of a sacral nerve root. Matsumoto JY, et al. **J Neurooncol** 1987;4(3):227–31

Innervation of zygapophyseal joint synovial folds in low–back pain [letter] Giles LG. **Lancet** 1987 Sep 19; 2(8560):692

ANATOMY & HISTOLOGY

Neuroanatomy and clinical significance of the external urethral sphincter. Jünemann KP, et al. **Urol Int** 1987; 42(2):132–6

CYTOLOGY

Projections of visceral and somatic primary afferents to the sacral spinal cord of the domestic fowl revealed by transganglionic transport of horseradish peroxidase. Ohmori Y, et al. **Neurosci Lett** 1987 Feb 24;74(2):175–9

INJURIES

Gastric partitioning complicated by peripheral neuropathy with lumbosacral plexopathy. Harwood SC, et al. **Arch Phys Med Rehabil** 1987 May;68(5 Pt 1):310–2

[Post–traumatic L5–S1 root avulsion. Myelographic and x–ray computed tomographic study. Apropos of a case. Review of the literature] Reck A, et al. **J Radiol** 1987 Jun–Jul;68(6–7):447–50 (Eng. Abstr.) (Fre)

[Involvement of the lumbosacral trunk during delivery (letter)] Kunnert JE, et al. **Presse Med** 1987 Feb 28; 16(7):355 (Fre)

PHYSIOLOGY

Influence of sacral nerves on the internal anal sphincter of the opossum. Rattan S, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):G345–50

Effects of total and partial spinal transections on the pudendal nerve–evoked response in rat lumbar axial muscle. Cohen MS, et al. **Brain Res** 1987 Jan 13;401(1):103–12

Maintenance of specificity by sprouting and regenerating peripheral nerves. II. Variability after lesions. Ungar–Sargon J, et al. **Brain Res** 1987 Mar 24; 407(1):124–36

Maintenance of specificity by sprouting and regenerating peripheral nerves. I. Normal variability. Ungar–Sargon J, et al. **Brain Res** 1987 Mar 24;407(1):117–23

Sacral root stimulation for bladder control [editorial] **Lancet** 1987 Jan 3;1(8523):25

[Parasympathetic discharges of the pelvic nerve during stimulation of different hypothalamic structures] Bagdasarian KG, et al. **Fiziol Zh SSSR** 1987 Jun; 73(6):715–23 (Eng. Abstr.) (Rus)

[Compensatory processes and habituation in the cortical division of the visceral analyzer] Siniaia MS. **Fiziol Zh SSSR** 1987 Feb;73(2):236–45 (Rus)

RADIOGRAPHY

Anatomy and computed tomography of the normal lumbosacral plexus. Dietemann JL, et al. **Neuroradiology** 1987;29(1):58–68

LUMBOSACRAL REGION

Interstitial emphysema associated with epidural anesthesia for extracorporeal shock–wave lithotripsy. Roberts MC, et al. **AJR** 1987 Feb;148(2):301–4

Lumbar trunk muscle use in standing isometric heavy exertions. Schultz A, et al. **J Orthop Res** 1987;5(3):320–9

Solitary benign schwannoma in the psoas muscle. Claes H, et al. **J Urol** 1987 Apr;137(4):753–6

[Strangulated lumbar hernia: a rare cause of intestinal occlusion (letter)] Carrelet T, et al. **Presse Med** 1987 Apr 4;16(12):586–7 (Fre)

[Lumbar hernias] Costanzo G, et al. **Minerva Chir** 1987 Jun 15;42(11):977–9 (Eng. Abstr.) (Ita)

BLOOD SUPPLY

Study of ascending lumbar and iliolumbar veins. Arthornthurasook A, et al. **Spine** 1987 Jan–Feb;12(1):70–2

[Segmental distribution of lumbar arteries] Prostran M, et al. **Srp Arh Celok Lek** 1986 Oct;114(10):933–8 (Eng. Abstr.) (Scc)

INNERVATION

[Macro– and microscopic vascularization of the lumbar sympathetic chain in the dog] Adomnicăi GH, et al. **Morphol Embryol (Bucur)** 1987 Apr–Jun;33(2):95–7 (Fre)

[Importance of the lumbosacral angle in the posterior compartment syndrome] Fazzi A, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Mar–Apr; 41(2):80–3 (Eng. Abstr.) (Por)

PHYSIOLOGY

Electromyographic analysis of two techniques for squat lifting. Delitto RS, et al. **Phys Ther** 1987 Sep;67(9):1329–34

Partitioning of the L4–L5 dynamic moment into disc, ligamentous, and muscular components during lifting. McGill SM, et al. **Spine** 1986 Sep;11(7):666–78

PHYSIOPATHOLOGY

Assessment of lumbar function. Mayer TG. **Clin Orthop** 1987 Aug;(221):99–109

RADIOGRAPHY

Lumbar hernia: diagnosis by CT. Baker ME, et al. **AJR** 1987 Mar;148(3):565–7

[Lumbar osteomyelitis of actinomycotic or atypical mycobacterial origin?] Pialat J, et al. **Ann Pathol** 1986; 6(3):217–20 (Eng. Abstr.) (Fre)

[Lumbosacral computed tomography and lumbosacral functional myelography. Dosimetric comparison and comparison of indications] Hofmann W, et al. **ROFO** 1986 Oct;145(4):392–6 (Eng. Abstr.) (Ger)

SURGERY

Extended posterior lumbotomy. Kumar S, et al. **Br J Urol** 1986 Aug;58(4):465–6

LUMICOLCHICINES see under **COLCHICINE**

LUMINESCENCE

Cellular reactivity of polymorphonuclear leukocytes in psoriasis and atopic dermatitis—measurement of lucigenin–dependent chemiluminescence. Kapp A, et al. **Acta Derm Venereol (Stockh)** 1986;66(4):285–9

Lithium versus rubidium in chemiluminescence. Rossini D, et al. **Acta Haematol (Basel)** 1987;77(4):241–2

Polymorphonuclear leukocyte chemiluminescence induced by formylmethionyl–leucyl–phenylalanine and phorbol myristate acetate: effects of catalase and superoxide dismutase. Dahlgren C. **Agents Actions** 1987 Jun; 21(1–2):104–12

Assessment of bovine mammary gland macrophage oxidative burst activity in a chemiluminescence assay. Harmon BG, et al. **Am J Vet Res** 1987 Jan;48(1):119–25

A sensitive bioluminescence assay for myo–inositol. Gudermann TW, et al. **Anal Biochem** 1986 Oct;158(1):59–63

Variables in xanthine oxidase–initiated luminol chemiluminescence: implications for chemiluminescence measurements in biological systems. Wilhelm J, et al. **Anal Biochem** 1986 Oct;158(1):201–10

Etomidate reversibly depresses human neutrophil chemiluminescence. Gelb AW, et al. **Anesthesiology** 1987 Jan;66(1):60–3

Bioluminescence in a strain of the human pathogenic bacterium Vibrio vulnificus. Oliver JD, et al. **Appl Environ Microbiol** 1986 Nov;52(5):1209–11

Distinct temporal relation among oxygen uptake, malondialdehyde formation, and low–level chemiluminescence during microsomal lipid peroxidation. Noll T, et al. **Arch Biochem Biophys** 1987 Jan;252(1):284–91

Generation of photoemissive species by mitomycin C redox cycling in rat liver microsomes. Napetschnig S, et al. **Biochem Pharmacol** 1987 May 15;36(10):1617–21

The neutrophil response to polystyrene microspheres bearing defined surface functional groups. Orsini AJ, et al. **Cell Biophys** 1987 Feb;10(1):33–43

Immunochemiluminometric assay of creatine kinase MB with a monoclonal antibody to the MB isoenzyme. Piran U, et al. **Clin Chem** 1987 Sep;33(9):1517–20

17 Beta–estradiol inhibits the oxidative metabolism of U937 cells indirectly via lymphocytes. Sivam G, et al. **Endocrinology** 1987 Sep;121(3):853–7

Chemiluminescence response of polymorphonuclear leukocytes in atopic dermatitis. Schöpf E, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):380–2

Enhanced alveolar cell luminol–dependent chemiluminescence in asthma. Cluzel M, et al. **J Allergy Clin Immunol** 1987 Aug;80(2):195–201

Effects of bifonazole, fluconazole, itraconazole, and terbinafine on the chemiluminescence response of immune cells. Abruzzo GK, et al. **J Antimicrob Chemother** 1987 Jul;20(1):61–8

Expression of bioluminescence by Escherichia coli containing recombinant Vibrio harveyi DNA. Miyamoto C, et al. **J Bacteriol** 1987 Jan;169(1):247–53

Bioluminescence enhanced enzyme immunoassay. New ultrasensitive detection systems for enzyme immunoassays, II. Geiger R, et al. **J Clin Chem Clin Biochem** 1987 Jan; 25(1):31–8

Synthesis and characterization of luciferin derivatives for use in bioluminescence enhanced enzyme immunoassays. New ultrasensitive detection systems for enzyme immunoassays, I. Miska W, et al. **J Clin Chem Clin Biochem** 1987 Jan; 25(1):23–30

Influence of plasma components on luminol–enhanced chemiluminescence from peripheral granulocytes in juvenile periodontitis. Asman B, et al. **J Clin Periodontol** 1986 Oct;13(9):850–5

Increased spontaneous chemiluminescence from liver homogenates and isolated hepatocytes upon inhibition of O2– and H2O2 utilization. Turrens JF, et al. **J Free Radic Biol Med** 1986;2(2):135–40

Luminescent detection method for immunodot, Western, and Southern blots. Leong MM, et al. **J Histochem Cytochem** 1986 Dec;34(12):1645–50

Transient suppression of the zymosan–induced chemiluminescence produced by bone marrow cells during a subcutaneous nonspecific inflammation in the mouse. Herodin F, et al. **J Leukocyte Biol** 1987 Jul;42(1):76–83

Chemiluminescence in vitamin E–deficient erythrocytes initiated by xanthine oxidase reaction, in relation to the accumulation of thiobarbituric acid reactive substances. Yasuda H, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Apr; 32(2):245–50

Neutrophil chemiluminescence in burned patients. Sheng ZY, et al. **J Trauma** 1987 Jun;27(6):587–95

Bioluminescence and chemiluminescence. Part B. **Methods Enzymol** 1986;133:1–649

Characteristics of commercial radiometers. Stanley PE. **Methods Enzymol** 1986;133:587–603

Cellular chemiluminescence associated with disease states. Van Dyke K, et al. **Methods Enzymol** 1986;133:493–507

Japan: body light points to health [news] Swinbanks D. **Nature** 1986 Nov 20–26;324(6094):203

Fluorescein angiography basic science and engineering. Wolfe DR. **Ophthalmology** 1986 Dec;93(12):1617–20

Laser–stimulated luminescence used to measure x–ray diffraction of a contracting striated muscle. Amemiya Y, et al. **Science** 1987 Jul 10;237(4811):164–8

On the prevalence of room–temperature protein phosphorescence. Vanderkooi JM, et al. **Science** 1987 May 1;236(4801):568–9

Lucigenin–induced chemiluminescence in human neutrophils in the process of adherence and chemotactic migration measured in a modified Boyden chamber system. Kato T, et al. **Tohoku J Exp Med** 1987 Apr;151(4):409–17

Effects of metals on the chemiluminescent response of rainbow trout (Salmo gairdneri) phagocytes. Elsasser MS, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):243–50

[Enhanced luminescence intensity in immunofluorescent preparations following trypsin treatment] Mitov B, et al. **Vet Med Nauki** 1986;23(9):10–6 (Eng. Abstr.) (Bul)

[Chemiluminescence of oxygen radicals. A computerized method for its evaluation] Silveri F, et al. **Quad Sclavo Diagn** 1986 Sep;22(3):266–72 (Eng. Abstr.) (Ita)

[A simple chemiluminescence measurement apparatus

equipped with a multi-CPU controller system] Iwata K, et al. **Eisei Shikenjo Hokoku** 1986;(104):35–8 (Eng. Abstr.) **(Jpn)**

[Chemiluminescence of whole blood—analysis of the kinetics and application of clinical examination of phagocytic functions of whole blood from various type of diseases] Ueno N. **Hokkaido Igaku Zasshi** 1986 Nov;61(6):947–60 (Eng. Abstr.) **(Jpn)**

[Binocular interaction in visual evoked potential elicited by stereoscopic stimulus. The effect of interocular luminosity difference] Mashima Y, et al. **Nippon Ganka Gakkai Zasshi** 1986 Nov;90(11):1381–7 (Eng. Abstr.) **(Jpn)**

[Chemoluminescence of human neutrophil granulocytes. IV. Non-phagocytic inducers; various inhibitors] Dragomirescu T. **Rev Ig [Bacteriol]** 1986 Oct–Dec; 31(4):289–302 (119 ref.) (Eng. Abstr.) **(Rum)**

[Blood serum chemiluminescence in the presence of divalent iron during prolonged artificial circulation] Novokshonov AI, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):104–6 **(Rus)**

[Cytochrome P-450-dependent monooxygenases and their relation to bioluminescence and biochemiluminescence] Danilov VS. **Dokl Akad Nauk SSSR** 1987;294(6):1477–80 **(Rus)**

[Effect of biogenic amines on triboluminescence and peroxidation indices in the blood of dogs] Baraboi VA, et al. **Fiziol Zh** 1987 Jul–Aug;33(4):108–11 (Eng. Abstr.) **(Rus)**

[Chemiluminescence study of blood serum in acute appendicitis] Sherstnev MP, et al. **Khirurgiia (Mosk)** 1987 Mar;(3):41–4 (Eng. Abstr.) **(Rus)**

[Use of a method of recording peroxide chemiluminescence in the diagnosis of protracted thrombosis in embolism of the major arteries of the extremities] Sherstnev MP. **Khirurgiia (Mosk)** 1986 Dec;(12):118–20 **(Rus)**

[Study of the mechanism of luminol-dependent chemiluminescence of lymphocytes induced by immune complexes] Karsonova MI, et al. **Mol Gen Mikrobiol Virusol** 1985 May;(5):42–5 (Eng. Abstr.) **(Rus)**

[Splenocyte chemiluminescence induced by various mitogenic stimuli] Karsonova MI, et al. **Mol Gen Mikrobiol Virusol** 1985 Sep;(9):36–8 (Eng. Abstr.) **(Rus)**

[Bioluminescent methods of analysis in microbiology] Ugarova NN, et al. **Prikl Biokhim Mikrobiol** 1987 Jan–Feb; 23(1):14–24 (Eng. Abstr.) **(Rus)**

[Use of luminescence microspectral analysis for evaluating the synthetic activity of testicular incretory cells] Karnaukhova NA, et al. **Probl Endokrinol (Mosk)** 1986 Sep–Oct;32(5):76–8 (Eng. Abstr.) **(Rus)**

[Bone tissue chemiluminescence during a variable course of fracture consolidation] Sumarokov DD, et al. **Stomatologiia (Mosk)** 1987 May–Jun;66(3):12–3 (Eng. Abstr.) **(Rus)**

[Blood chemiluminescence in thermal skin injuries] Farkhutdinov RR, et al. **Vopr Med Khim** 1986 Jul–Aug; 32(4):38–40 (Eng. Abstr.) **(Rus)**

[In vitro effect of [D-Ala-4]-dermorphin on the luminol-dependent chemiluminescence of mouse whole blood during phagocytosis] Monastyrskaia AR, et al. **Vopr Med Khim** 1987 May–Jun;33(3):56–8 (Eng. Abstr.) **(Rus)**

[Luminol-dependent chemiluminescence of the primary focus at different infecting doses of Staphylococcus aureus] Belotskii SM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Mar;(3):53–5 (Eng. Abstr.) **(Rus)**

[Reactive chemiluminescence of human lymphocytes during phytohemagglutinin stimulation] Rassanov SP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 May;(5):64–7 (Eng. Abstr.) **(Rus)**

LUMINESCENT PROTEINS

Measurement of cytoplasmic free Ca2+ concentration in cultured muscle cells by aequorin and quin 2. James-Kracke MR. **Am J Physiol** 1986 Oct;251(4 Pt 1):C512–23

Measurement of cytoplasmic free Ca2+ concentration in rabbit aorta using the photoprotein, aequorin. Effect of atrial natriuretic peptide on agonist-induced Ca2+ signal generation. Takuwa Y, et al. **J Clin Invest** 1987 Jul; 80(1):248–57

On the prevalence of room-temperature protein phosphorescence. Vanderkooi JM, et al. **Science** 1987 May 1;236(4801):568–9

ANALYSIS

Calcium transients in single adrenal chromaffin cells detected with aequorin. Cobbold PH, et al. **FEBS Lett** 1987 Jan 19;211(1):44–8

BLOOD

Simple method of aequorin loading into platelets using dimethyl sulfoxide. Yamaguchi A, et al. **Thromb Res** 1986 Oct 15;44(2):165–74

GENETICS

Sequence comparisons of complementary DNAs encoding aequorin isotypes. Prasher DC, et al. **Biochemistry** 1987 Mar 10;26(5):1326–32

PHYSIOLOGY

Activation of a calcium-dependent photoprotein by chemical signalling through gap junctions. Dunlap K, et al. **Nature** 1987 Jan 1–7;325(6099):60–2

LUMINOL see under **PYRIDAZINES**

LUMPY SKIN DISEASE

DIAGNOSIS

[Poxvirus infections in Mauritanian sheep. Atypical sheep pox or lumpy skin disease?] Chamoiseau G. **Rev Elev Med Vet Pays Trop** 1985;38(2):119–21 (Eng. Abstr.) **(Fre)**

LUMPY SKIN DISEASE VIRUS see under **POXVIRIDAE**

LUNDBORG-UNVERRICHT SYNDROME see **EPILEPSY, MYOCLONUS**

LUNG

see related
AIR SACS
PNEUMONECTOMY
RESPIRATION

Aspiration through a 'sip-up' straw [letter] Press S, et al. **Am J Dis Child** 1986 Nov;140(11):1090–1

American Lung Association, American Thoracic Association, 1987 annual meeting. May 10–13, 1987, New Orleans, Louisiana. Abstracts. **Am Rev Respir Dis** 1987 Apr;135(4 Pt 2):A1–561

Treatment of acute respiratory failure by extracorporeal carbon dioxide elimination performed with a surface heparinized artificial lung. Bindslev L, et al. **Anesthesiology** 1987 Jul;67(1):117–20

29th Aspen Lung Conference: molecular and cellular biology of the lung. June 11–14, 1986. **Chest** 1987 Mar;91(3 Suppl):1S–33S

A technique for isolated airway segment lavage. Eschenbacher WL, et al. **Chest** 1987 Jul;92(1):105–9

The effect of high frequency oscillatory ventilation on extravascular lung water in the rabbit. Ritchie BC, et al. **Clin Exp Pharmacol Physiol** 1986 Nov–Dec; 13(11–12):811–7

Use of Xe-133 gas in the detection of foreign bodies in the lower respiratory tract. Samuel J, et al. **Clin Otolaryngol** 1987 Apr;12(2):115–7

Age-dependent lung doses from ingested 222Rn in drinking water. Crawford-Brown DJ. **Health Phys** 1987 Feb; 52(2):149–56

The lung model and fluctuations in air activity. Unnikrishnan K, et al. **Health Phys** 1987 Feb;52(2):229–31

Attenuation and speed of ultrasound in lung: dependence upon frequency and inflation [letter] Dunn F. **J Acoust Soc Am** 1986 Oct;80(4):1248–50

Successful four-hour heart-lung preservation with core-cooling on cardiopulmonary bypass: a simplified model that assesses preservation. Kontos GJ Jr, et al. **J Heart Transplant** 1987 Mar–Apr;6(2):106–11

On the possibility of swallowed or inhaled dental objects. Goldenthal EJ. **NY State Dent J** 1987 Jan;53(1):21–2

Bacteremia during bronchoalveolar lavage. Balk RA, et al. **South Med J** 1986 Dec;79(12):1496–8

Improved lung preservation using Euro-Collins solution for flush-perfusion. Haverich A, et al. **Thorac Cardiovasc Surg** 1986 Dec;34(6):368–76

[Two resected cases of long-standing intrapulmonary needle over 30 years] Akashi A, et al. **Kyobu Geka** 1987 Apr; 40(5):421–4 (Eng. Abstr.) **(Jpn)**

[Chronic lung abscess caused by a foreign body] Levashov IuN, et al. **Grudn Khir** 1986 Sep–Oct;(5):89–90 **(Rus)**

[2 cases of spontaneous expulsion of aspirated needles from the lungs] Ryndin VD, et al. **Grudn Khir** 1986 Nov–Dec; (6):90–1 **(Rus)**

[A case of foreign body migration] Levin SI, et al. **Klin Khir** 1987;(1):63 **(Rus)**

[Total pulmonary lavage in the treatment of alveolar proteinosis] Gerasin VA, et al. **Ter Arkh** 1986;58(12):18–9 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Embolization of systemic to pulmonary artery collaterals in the management of hemoptysis in pulmonary atresia. Kaufman SL, et al. **Am J Cardiol** 1986 Nov 15; 58(11):1130–2

Fetal pulmonary hypoplasia with hydrothorax. Murayama K, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):119–20

Supradiaphragmatic liver in the lung. Mendoza A, et al. **Arch Pathol Lab Med** 1986 Nov;110(11):1085–6

Hypoplastic lungs and abnormal phospholipids in asphyxiating thoracic dystrophy. Forrest P, et al. **Aust Paediatr J** 1987 Feb;23(1):47–51

Congenital cystic adenomatoid malformation of the lung. Valentin LI, et al. **Bol Asoc Med PR** 1986 Aug;78(8):351–3

The antenatal diagnosis by ultrasonography of type III congenital cystic adenomatoid malformation of the lung. Case report. Morcos SF, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):1002–5

Cartilaginous variant of congenital adenomatoid malformation of the lung. Benning TL, et al. **Chest** 1987 Sep;92(3):514–6

Type III congenital cystic adenomatoid malformation of the lung: another cause of elevated alpha fetoprotein? Petit P, et al. **Clin Genet** 1987 Sep;32(3):172–4

Acinar dysplasia: a new form of pulmonary maldevelopment. Rutledge JC, et al. **Hum Pathol** 1986 Dec;17(12):1290–3

The embryologic basis of tracheobroncho-pulmonary maldevelopment. Marks C, et al. **Int Surg** 1987 Apr–Jun; 72(2):109–14

Pulmonary atresia in prenatal life. Allan LD, et al. **J Am Coll Cardiol** 1986 Nov;8(5):1131–6

Agenesis of lung with pulmonary hypertension. Shah VK, et al. **J Assoc Physicians India** 1986 Nov;34(11):819–20

Agenesis of lung. Singh RP, et al. **J Assoc Physicians India** 1987 Mar;35(3):235–6

Ventilatory predictors of pulmonary hypoplasia in congenital diaphragmatic hernia, confirmed by morphologic assessment. Bohn D, et al. **J Pediatr** 1987 Sep;111(3):423–31

Congenital diaphragmatic hernia: a persistent problem. Levin DL. **J Pediatr** 1987 Sep;111(3):390–2

Pulmonary agenesis (aplasia), esophageal atresia, and tracheoesophageal fistula: a different treatment strategy. Black PR, et al. **J Pediatr Surg** 1986 Nov;21(11):936–8

Pulmonary agenesis (aplasia)—esophageal atresia and tracheoesophageal fistula [letter] Dickinson SJ. **J Pediatr Surg** 1987 May;22(5):478

Congenital cystic adenomatoid malformation of the lung associated with prune belly syndrome. Kuruvilla AC, et al. **J Pediatr Surg** 1987 Apr;22(4):370–1

Does an expanding fetal abdominal mass produce pulmonary hypoplasia? Sauer L, et al. **J Pediatr Surg** 1987 Jun; 22(6):508–12

Pulmonary agenesis with esophageal atresia and tracheoesophageal fistula. Takayanagi K, et al. **J Pediatr Surg** 1987 Feb;22(2):125–6

Prenatal diagnosis of bilateral cystic adenomatoid malformation of the lung. Rempen A, et al. **JCU** 1987 Jan; 15(1):3–8

Chronic drainage of fetal pulmonary cyst [letter] Nicolaides KH, et al. **Lancet** 1987 Mar 14;1(8533):618

Anesthesia for pulmonary agenesis with pulmonary hypertension: a case report. Sit KF, et al. **Ma Tsui Hsueh Tsa Chi** 1987 Mar;25(1):43–8

Single, mediastinal, unilobar lung—a rare form of subtotal pulmonary agenesis. Markowitz RI, et al. **Pediatr Radiol** 1987;17(4):269–72

Congenital cystic adenomatoid malformation of the lung. Becker MR, et al. **Prog Pediatr Surg** 1987;21:112–7

Unilateral pulmonary agenesis. A report of 4 cases. Campanella C, et al. **S Afr Med J** 1987 Jun 20;71(12):785–7

Congenital cystic adenomatoid malformation of the lung. Fowler CL, et al. **SD J Med** 1987 Jun;40(6):5–8

[Lung "cysts"] Fanta J, et al. **Rozhl Chir** 1987 Jan;66(1):12–6 (Eng. Abstr.) **(Cze)**

[Agenesis of the lung] Josephsen IL, et al. **Ugeskr Laeger** 1986 Sep 29;148(40):2535–6 (Eng. Abstr.) **(Dan)**

[Extralobar sequestration and right pulmonary hypoplasia. Diagnostic value of computerized tomography. Apropos of 1 case] Perrin B, et al. **Ann Pediatr (Paris)** 1987 Feb; 34(2):153–5 (Eng. Abstr.) **(Fre)**

[Diagnosis and therapy of a case of congenital hydrothorax caused by extralobar lung separation] Höck A, et al. **Kinderarztl Prax** 1987 Feb;55(2):81–90 (Eng. Abstr.) **(Ger)**

[Cystic adenomatoid malformation of the lung. Attempt at a classification of this diseases according to clinical symptoms] Huppertz HI, et al. **Med Klin** 1987 May 8; 82(10):350–5 (Eng. Abstr.) **(Ger)**

[Congenital cystic disease of the lung] Zamir O, et al. **Harefuah** 1986 May 15;110(10):496–8 (Eng. Abstr.) **(Heb)**

[Classification of pathological changes in the lung in perinatal deaths] Plank J. **Morphol Igazsagugyi Orv Sz** 1987 Jul; 27(3):183–6 (Eng. Abstr.) **(Hun)**

[Staged operation for pulmonary atresia with a ventricular septal defect and major aorto-pulmonary collateral arteries: a case report] Saitoh H, et al. **Kyobu Geka** 1986 Aug; 39(8):637–40 (Eng. Abstr.) **(Jpn)**

[A case of ventricular septal defect and pulmonary stenosis with left pulmonary hypoplasia] Takeda S, et al. **Kyobu Geka** 1987 Apr;40(5):417–20 (Eng. Abstr.) **(Jpn)**

[Congenital cystic adenomatoid malformation of the lung—a case report in a 14-year-old patient and a review of the literature dealing with features in older cases] Kitagawa Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jun; 34(6):908–13 (43 ref.) (Eng. Abstr.) **(Jpn)**

[Congenital cystic adenomatoid malformation of the lung: prenatal diagnosis and management] Kono K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jun; 39(6):1017–20 **(Jpn)**

[A case of pulmonary agenesis associated with congenital tracheal stenosis and aberrant left pulmonary artery] Konishi H, et al. **Rinsho Hoshasen** 1986 Jun;31(6):741–4 (Eng. Abstr.) **(Jpn)**

[Congenital cystic adenomatoid malformation of the lungs in 2 children] Ceglecka-Tomaszewska K, et al. **Pediatr Pol** 1986 Jun;61(6):374–8 **(Pol)**

[Clinico-therapeutic considerations of a case of congenital pulmonary air cyst] Coman C, et al.

Rev Ig [Pneumoftiziol] 1986 Jul-Sep;35(3):251-6 **(Rum)**
[Nosologic and morphofunctional characteristics of the lungs of fetuses and newborn infants with mothers having extragenital chronic inflammatory diseases] Bubnova NI.
Akush Ginekol (Mosk) 1987 Feb;(2):57-9 (Eng. Abstr.) **(Rus)**
[Results of the surgical treatment of simple hypoplasia of the lungs] Korolev BA, et al. **Grudn Khir** 1987 Jul-Aug; (4):14-8 (Eng. Abstr.) **(Rus)**
[Developmental defects of the lungs in children] Novokreshchenov LB, et al. **Grudn Khir** 1987 Mar-Apr; (2):50-5 (Eng. Abstr.) **(Rus)**
[Resection of the main, intermediate and lobar bronchi in a patient with cystic hypoplasia of the lung] Vishnevskii AA, et al. **Grudn Khir** 1987 May-Jun;(3):93-4 **(Rus)**
[Successful correction of a defect of the interatrial septum of the heart in a patient with aplasia of the left lung] Voronov AA, et al. **Grudn Khir** 1987 Jan-Feb;(1):79-80 **(Rus)**
[Diagnosis of tuberculosis in patients with developmental defects of the lungs] Filippov VP, et al. **Probl Tuberk** 1987; (6):21-4 (Eng. Abstr.) **(Rus)**
[Chronic nonspecific lower lobar pneumonia and simple pulmonary hypoplasia complicated by an inflammatory process in children] Polda ZS. **Vestn Rentgenol Radiol** 1987 May-Jun;(3):16-22 (Eng. Abstr.) **(Rus)**
[The stage of pulmonary hypoplasia is crucial for survival in congenital diaphragmatic hernia] Frenckner B, et al. **Lakartidningen** 1986 Dec 24;83(52):4458-60 **(Swe)**

ANALYSIS

Multielemental characterization of human lung tissues by ICP-AES. Martinsen I, et al.
Acta Pharmacol Toxicol (Copenh) 1986;59 Suppl 7:620-3
Analysis of leukotriene D4 in human lung lavage by HPLC, RIA and mass spectrometry. Wescott JY, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1986; 16:353-61
Evaluation and application of a plasma ashing method for STEM fiber analysis in human lung tissue. Manke J, et al. **Am Ind Hyg Assoc J** 1987 Aug;48(8):730-8
A rapid and simple method of extracting asbestos bodies from lung tissue by cytocentrifugation. Ehrlich A, et al.
Am J Ind Med 1987;11(1):109-16
Increased chromium and nickel content in lung tissue and bronchial carcinoma. Kollmeier H, et al.
Am J Ind Med 1987;11(6):659-69
Problems in establishing norm values for nickel and chromium concentrations in human pulmonary tissue. Raithel HJ, et al. **Am J Ind Med** 1987;12(1):55-70
Amniotic fluid embolism and leukotrienes. Azegami M, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1119-24
Localization of quantitative changes in pulmonary beta-receptors in ovalbumin-sensitized guinea pigs. Gatto C, et al. **Am Rev Respir Dis** 1987 Jul;136(1):150-4
Estimation of endothelial receptor sites with the mean transit time approach. Effros RM, et al. **Ann Biomed Eng** 1987; 15(2):189-99
Physical and functional association of the atrial natriuretic peptide receptor with particulate guanylate cyclase as demonstrated using detergent extracts of bovine lung membranes. Ishido M, et al.
Biochem Biophys Res Commun 1986 Oct 15;140(1):101-6
Specific receptors for atriopeptin III in rabbit lung. Olins GM, et al. **Biochem Biophys Res Commun** 1986 Oct 15; 140(1):302-7
Human tissue fibronectin: expression of different isotypes in the adult and fetal tissues. Sekiguchi K, et al.
Biochem Biophys Res Commun 1986 Dec 30;141(3):1012-7
Analyses of glycosaminoglycans in human lung cancer. Masuda H, et al. **Biochem Med Metab Biol** 1987 Jun; 37(3):366-73
Structural comparison of monoclonal antibody immunopurified pulmonary and hepatic cytochrome P-450 from 3-methylcholanthrene-treated rats. Robinson RC, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3827-30
Purification and characterization of the beta 2-adrenergic receptor from calf lung. Insoft R, et al.
Biochim Biophys Acta 1986 Oct 9;861(2):345-52
Fourier transform infrared and differential scanning calorimetric studies of a surface-active material from rabbit lung. Mautone AJ, et al. **Biochim Biophys Acta** 1987 Jan 9;896(1):1-10
Biochemical maturation of fetal rat lung: a comprehensive study including surfactant determination. Bourbon JR, et al. **Biol Neonate** 1987;52(1):48-60
Attenuation of postnatal hypoxia in the premature newborn rat by maternal treatment with dexamethasone: its relationship with lung phospholipid content. Juanes MC, et al. **Biol Neonate** 1986;50(6):337-44
Measurement of lung water using nuclear magnetic resonance imaging [letter] Rhodes CG. **Br J Radiol** 1986 Nov; 59(707):1135-6
Purification of three forms of lipocortin from bovine lung. Khanna NC, et al. **Cell Calcium** 1987 Jun;8(3):217-28
Clinical use of lung water measurements. Report of a workshop. Staub NC. **Chest** 1986 Oct;90(4):588-94
Reproducibility of thermal-dye lung water measurements by a lung water computer in critically ill patients. Laggner AN, et al. **Crit Care Med** 1987 Jun;15(6):606-8
Uteroglobin messenger ribonucleic acid: localization in rabbit uterus and lung by in situ hybridization. Warembourg M, et al. **Endocrinology** 1986 Oct;119(4):1632-40
Effects of cigarette smoke on antiproteases at the human lung surface. Smith SF, et al. **Eur J Respir Dis [Suppl]** 1986; 146:139-43
Structural crosslinking of lung connective tissue collagen in the blotchy mouse. Mechanic GL, et al. **Exp Lung Res** 1987;12(2):109-17
Isolation of two 67 kDa calcium-binding proteins from pig lung differing in affinity for phospholipids and in anti-phospholipase A2 activity. Fauvel J, et al.
FEBS Lett 1987 Sep 14;221(2):397-402
Thrombomodulin activity is found in tissue thromboplastin preparations from placenta and from lung but not from brain. Freyssinet JM, et al. **Haemostasis** 1987;17(3):114-20
Increase of nonplasmin fibrinolytic activity in the lung and spleen of streptozotocin-induced diabetic rats. Okamoto U, et al. **Haemostasis** 1987;17(3):154-61
Decorporation of 85Sr by radiosdsorbents from the lungs of rats with bronchial disorders. Naményi J, et al.
Health Phys 1986 Oct;51(4):539-44
Concentrations of 210Pb and its states of equilibrium with 238U, 234U and 230Th in U miners' lungs. Singh NP, et al. **Health Phys** 1986 Oct;51(4):501-7
Qualitative survey analysis of thin layers of tissue samples. Heavy metal traces in human lung tissue. von Bohlen A, et al. **Int Arch Occup Environ Health** 1987;59(4):403-11
Penetration of ceftazidime into the rabbit respiratory tract. McColm AA, et al. **J Antimicrob Chemother** 1986 Nov; 18(5):593-7
Heparan sulfate proteoglycans of human lung fibroblasts. Structural heterogeneity of the core proteins of the hydrophobic cell-associated forms. Lories V, et al.
J Biol Chem 1987 Jan 15;262(2):854-9
Characterization of receptors for vasoactive intestinal peptide solubilized from the lung. Paul S, et al. **J Biol Chem** 1987 Jan 5;262(1):158-62
Multiple soluble beta-galactoside-binding lectins from human lung. Sparrow CP, et al. **J Biol Chem** 1987 May 25;262(15):7383-90
Diet restriction retards the age-related loss of beta-adrenergic receptors and adenylate cyclase activity in rat lung. Scarpace PJ, et al. **J Gerontol** 1987 Jul; 42(4):442-6
Chromogranin in bronchopulmonary neuroendocrine cells. Immunocytochemical detection in human, monkey, and pig respiratory mucosa. Lauweryns JM, et al.
J Histochem Cytochem 1987 Jan;35(1):113-8
Detection of Pneumocystis carinii in lung-derived samples using monoclonal antibodies to an 82 kDa parasite component. Linder E, et al. **J Immunol Methods** 1987 Apr 2;98(1):57-62
Localization of surfactant in neonatal lung after exogenous administration. Ferrara TB, et al. **J Pediatr** 1987 Sep; 111(3):463-6
Visualization of vasoactive intestinal peptide receptors in human and guinea pig lung. Carstairs JR, et al.
J Pharmacol Exp Ther 1986 Oct;239(1):249-55
The thermal-dye method of lung water measurement is reliable at a low cardiac output. Calcagni DE, et al.
J Surg Res 1986 Sep;41(3):286-92
Determination of lung water content and distribution by nuclear magnetic resonance imaging. Cutillo AG, et al. **J Thorac Imaging** 1986 Jul;1(3):39-51 (120 ref.)
Human chorionic gonadotropin in lung and lung tumors. Immunohistochemical study on unbalanced distribution of subunits. Fukayama M, et al. **Lab Invest** 1986 Oct; 55(4):433-43
Airway branching patterns influence asbestos fiber location and the extent of tissue injury in the pulmonary parenchyma. Pinkerton KE, et al. **Lab Invest** 1986 Dec; 55(6):688-95
Ontogeny of neuroendocrine cells in human fetal lung. III. An electron microscopic immunohistochemical study. Stahlman MT, et al. **Lab Invest** 1987 Jun;56(6):629-41
Species differences in lipid peroxide levels in lung tissue and investigation of their determining factors. Arakawa K, et al. **Lipids** 1986 Dec;21(12):769-75
Enhanced interleukin 1 production by alveolar macrophages and increase in Ia-positive lung cells in silica-exposed rats. Oghiso Y, et al. **Microbiol Immunol** 1986;30(11):1189-98
Histamine receptors in the lung. Braman SS.
New Engl Reg Allergy Proc 1987 Mar-Apr;8(2):116-20 (49 ref.)
The effect of bromhexine on phospholipid concentration in bronchial and bronchoalveolar lavage. Crimi P, et al.
Panminerva Med 1986 Jul-Sep;28(3):303-5
Characterization and control of cytosolic binding proteins for 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in the rat lung. Kurl RN, et al. **Pharmacology** 1986;33(4):181-9
Primary structure of human corticosteroid binding globulin, deduced from hepatic and pulmonary cDNAs, exhibits homology with serine protease inhibitors. Hammond GL, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5153-7
Crossed immunoelectrophoretic analysis of ARDS lavage proteins. Emmett M, et al. **Proc Soc Exp Biol Med** 1987 Jan;184(1):83-91
Profiling of prostaglandin biosynthesis in biopsy fragments of human lung carcinomas and normal human lung by capillary gas chromatography-negative ion chemical ionization mass spectrometry. Hubbard WC, et al.
Prostaglandins 1986 Dec;32(6):889-906
Analysis of 6-keto PGF1 alpha, 5-HETE, and LTC4 in rat lung: comparison of GM/MS, RIA, and EIA. Westcott JY, et al. **Prostaglandins** 1986 Dec;32(6):857-73
Evaluation of trace elements in human lung tissue. I. Concentration and distribution. Vanoeteren C, et al.
Sci Total Environ 1986 Oct;54:217-30
Evaluation of trace elements in human lung tissue. III. Correspondence analysis. Vanoeteren C, et al.
Sci Total Environ 1986 Oct;54:237-45
Evaluation of trace elements in human lung tissue. II. Recovery and analysis of inhaled particulates. Vanoeteren C, et al. **Sci Total Environ** 1986 Oct;54:231-6
Biochemical and cytologic components of bronchoalveolar lavage fluid and venous blood in patients with bronchopulmonary diseases. Chiang CH, et al.
Taiwan I Hsueh Hui Tsa Chih 1986 Jun;85(6):567-76
Determination of central blood volume and extravascular lung water. Böck J, et al. **Thorac Cardiovasc Surg** 1987 Feb;35(1):53-6
Effect of nebulised aerosol size on lung deposition in patients with mild asthma. Clay MM, et al. **Thorax** 1987 Mar; 42(3):190-4
Calcitonin gene related peptide immunoreactivity in rat lung: light and electron microscopic study. Lauweryns JM, et al. **Thorax** 1987 Mar;42(3):183-9
Thermal dye double indicator dilution measurement of lung water in man: comparison with gravimetric measurements. Mihm FG, et al. **Thorax** 1987 Jan;42(1):72-6
Immunoelectron microscopic observations on the localization of fibronectin in normal human lung. Takusagawa K, et al. **Tohoku J Exp Med** 1986 Oct;150(2):209-23
[Atrial natriuretic polypeptide-like material in the rat lung] Xie CW. **Chung Hua I Hsueh Tsa Chih** 1986 Apr; 66(4):202-6, 254 (Eng. Abstr.) **(Chi)**
[Correlation study of selenium levels in the human body with the occurrence of lung cancer. I. Selenium levels in human lung, hair and blood of patients with lung cancer and controls] Wei HC.
Chung Hua Yu Fang I Hsueh Tsa Chih 1987 Jan;21(1):3-6 (Eng. Abstr.) **(Chi)**
[Mineralogical studies of deep lung tissue] De Vuyst P, et al. **Bull Mem Acad R Med Belg** 1986;141(2):213-9 (Eng. Abstr.) **(Fre)**
[Levels of DNA, RNA, protein and non-protein N in tissues of normally developed piglets and straddling piglets of very different birth weights. 2. Results of analyses of heart, lung, liver and kidney] Hillert S, et al.
Arch Exp Veterinarmed 1987 Jan;41(1):78-89 (Eng. Abstr.) **(Ger)**
[Quantitative and qualitative analyses of inorganic dusts in idiopathic interstitial pneumonia (IIP)] Inoue M.
Hokkaido Igaku Zasshi 1986 Sep;61(5):745-54 (Eng. Abstr.) **(Jpn)**
[Effects of ambroxol on pulmonary surfactant--analysis of the fatty acid composition of phosphatidylcholine in the sputum and normal respiratory tract fluid in rabbits] Miyata T, et al. **Nippon Yakurigaku Zasshi** 1986 Jul;88(1):57-64 (Eng. Abstr.) **(Jpn)**
[Determination of the volume of extravascular fluid in the lungs by blood electrical resistance using a dilution method] Krivitskii NM, et al. **Med Tekh** 1987 Jan-Feb;(1):6-9 (Eng. Abstr.) **(Rus)**
[Effect of reduced fat content of the diet of the rat and a single fat load on the lipopexic function of the lungs and the development of silicosis] Babushkina LG.
Vopr Pitan 1987 Jan-Feb;(1):51-4 (Eng. Abstr.) **(Rus)**
[Lipid peroxidation in the tissues of animals as an index of the biological aggressiveness of welding aerosols] Geleskul IuF, et al. **Vrach Delo** 1987 Jun;(6):108-10 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Large airway size, lung size, and maximal expiratory flow in healthy nonsmokers. Collins DV, et al.
Am Rev Respir Dis 1986 Nov;134(5):951-5
Repetitive echoes in ultrasonography of the diaphragm demonstrated by cadaver studies. Delattre JF, et al.
Eur J Radiol 1986 Aug;6(3):218-21
Lymph flow and lung weight in isolated sheep lungs. Mitzner W, et al. **J Appl Physiol** 1986 Nov;61(5):1830-5
CT demonstration of prominent right hilar soft tissue collections. Ashida C, et al. **J Comput Assist Tomogr** 1987 Jan-Feb;11(1):57-9
Effect of the heart-lung boundary on the magnetocardiogram [published erratum appears in J Electrocardiol 1987 Jan;20(1):80] Leifer MC, et al. **J Electrocardiol** 1986 Jan; 19(1):23-32
NMR spectroscopy of heterogeneous solid-liquid mixtures. Spin grouping and exchange analysis of proton spin relaxation in a tissue. Sobol WT, et al.
Magn Reson Med 1987 Jun;4(6):537-54
Bronchus associated lymphoid tissue in the lungs of cattle: relationship to age. Anderson ML, et al. **Res Vet Sci** 1986 Sep;41(2):211-20
Morphometrics of the avian lung. 4. The structural design of the charadriiform lung. Maina JN. **Respir Physiol** 1987 Apr;68(1):99-119
Anatomical parameters and electronmicroscopic study of reindeer lung. Siškin GS, et al.
Sb Ved Pr Lek Fak Univ Karlovy 1985;28(1-2):101-16
Estimation of regional gas and tissue volumes of the lung in supine man using computed tomography. Denison DM, et al. **Thorax** 1986 Aug;41(8):620-8

Basic anatomy and histology of the lung. Pratt PC. **Toxicol Ind Health** 1985 Oct;1(2):1–5

[Normal anatomy of the lung hili on CT] Van Hedent E, et al. **J Belge Radiol** 1987;70(1):31–42 (Eng. Abstr.) **(Dut)**

[Lymphatic drainage of the pulmonary segments in the adult: clinical facts and anatomical confirmation] Riquet M, et al. **Bull Assoc Anat (Nancy)** 1986 Jun;70(209):43–7 (Eng. Abstr.) **(Fre)**

[Thoracic CT: anatomy of lung] Mori M, et al. **Rinsho Hoshasen** 1986 Oct;31(11):1201–14 (18 ref.) **(Jpn)**

[Structure and functions of the interlobular spaces] Eskenasy A. **Rev Ig [Paeumoftiziol]** 1987 Jan–Mar;36(1):21–5 (16 ref.) **(Rum)**

[Age and features of the skeletotopy of the roots of the lungs of newborn infants and children] Kasym–Khodzhaev I. **Arkh Anat Gistol Embriol** 1987 Jun;92(6):36–40 (Eng. Abstr.) **(Rus)**

[The construction of a model of the lung for the functional analysis of respirators] Llorens J, et al. **Rev Esp Anestesiol Reanim** 1987 May–Jun;34(3):187–91 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Hypoxia–induced vasoconstriction in human lung exposed to enflurane anaesthesia. Carlsson AJ, et al. **Acta Anaesthesiol Scand** 1987 Jan;31(1):57–62

Surgical management of pulmonary arteriovenous fistulas. Tóth T, et al. **Acta Chir Hung** 1987;28(2):105–17

Role of eicosanoids in hypoxic vasoconstriction in isolated lamb lungs. Raj JU, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):H626–33

Reperfusion of ischemic dog lung results in fever, leukopenia, and lung edema. Bishop MJ, et al. **Am Rev Respir Dis** 1986 Oct;134(4):752–6

Effect of heparin on increased pulmonary microvascular permeability after bone marrow embolism in awake sheep. Burhop KE, et al. **Am Rev Respir Dis** 1987 Jul; 136(1):134–41

Leukotrienes and the pulmonary microcirculation. Garcia JG, et al. **Am Rev Respir Dis** 1987 Jul;136(1):161–9 (163 ref.)

The pulmonary vascular sequestration of neutrophils in endotoxemia is initiated by an effect of endotoxin on the neutrophil in the rabbit. Haslett C, et al. **Am Rev Respir Dis** 1987 Jul;136(1):9–18

Effects of dopamine and dobutamine on hyperoxic and hypoxic pulmonary vascular tone in dogs. Lejeune P, et al. **Am Rev Respir Dis** 1987 Jul;136(1):29–35

Neutrophil–mediated pulmonary vascular injury. Synergistic effect of trace amounts of lipopolysaccharide and neutrophil stimuli on vascular permeability and neutrophil sequestration in the lung. Worthen GS, et al. **Am Rev Respir Dis** 1987 Jul;136(1):19–28

Scanning electron microscope study of the developing microvasculature in the postnatal rat lung. Caduff JH, et al. **Anat Rec** 1986 Oct;216(2):154–64

Diameters of arteries, veins, and airways in isolated dog lung. Horsfield K, et al. **Anat Rec** 1986 Nov;216(3):392–5

Separate lung blood flow in anesthetized dogs: a comparative study between electromagnetometry and SF6 and CO2 elimination. Carlsson AJ, et al. **Anesthesiology** 1987 Aug; 67(2):240–6

Pulmonary microvascular cytology. A new diagnostic application of the pulmonary artery catheter [letter] Agia G, et al. **Chest** 1986 Oct;90(4):627–8

No protection in sheep by high–dose methylprednisolone against pulmonary microvascular injury following trauma. Smith L, et al. **Circ Shock** 1986;20(4):269–80

Hypoxic pulmonary vasoconstriction persists in the human transplanted lung. Robin ED, et al. **Clin Sci** 1987 Mar; 72(3):283–7

The role of leukocyte depletion in reducing injury to the lung after hypothermic ischemia. Hall TS, et al. **Curr Surg** 1987 Mar–Apr;44(2):137–9

Hypoxic pulmonary hypertension: acute and chronic. Thompson BT, et al. **Heart Lung** 1986 Sep;15(5):457–65

Lung biopsy findings in transposition of the great arteries with ventricular septal defect: potentially reversible pulmonary vascular disease is not always synonymous with operability. Haworth SG, et al. **J Am Coll Cardiol** 1987 Feb;9(2):327–33

Leukotrienes C4 and D4 do not increase filtration coefficient of excised perfused guinea pig lungs. Albert RK, et al. **J Appl Physiol** 1987 Jan;62(1):1–9

Lipoxygenase and cyclooxygenase blockade by BW 755C enhances pulmonary hypoxic vasoconstriction. Garrett RC, et al. **J Appl Physiol** 1987 Jan;62(1):129–33

O2 radicals mediate reperfusion lung injury in ischemic O2–ventilated canine pulmonary lobe. Koyama I, et al. **J Appl Physiol** 1987 Jul;63(1):111–5

Ventilatory changes of pulmonary capillary blood volume assessed by arterial density. Lee JS, et al. **J Appl Physiol** 1986 Nov;61(5):1724–31

Pulmonary vascular compliance and viscoelasticity. Linehan JH, et al. **J Appl Physiol** 1986 Nov;61(5):1802–14

Thromboxane A2 and prostacyclin do not modulate pulmonary hemodynamics during exercise in sheep. Newman JH, et al. **J Appl Physiol** 1986 Nov;61(5):1706–11

Mechanism of peptidoleukotriene–induced increases in pulmonary transvascular fluid filtration. Noonan TC, et al. **J Appl Physiol** 1986 Nov;61(5):1928–34

Increased vasoreactivity and chronic pulmonary hypertension following thoracic irradiation in sheep. Perkett EA, et al. **J Appl Physiol** 1986 Nov;61(5):1875–81

Increased lung vascular permeability after arachidonic acid and hydrostatic challenge. Seeger W, et al. **J Appl Physiol** 1986 Nov;61(5):1781–9

Longitudinal distribution of pulmonary vascular resistance with very high pulmonary blood flow. Younes M, et al. **J Appl Physiol** 1987 Jan;62(1):344–58

Enhanced pulmonary alpha–2 adrenoceptor responsiveness under conditions of elevated pulmonary vascular tone. Shebuski RJ, et al. **J Pharmacol Exp Ther** 1987 Jul; 242(1):158–65

Perfusion lung imaging in the adult respiratory distress syndrome. Pistolesi M, et al. **J Thorac Imaging** 1986 Jul; 1(3):11–24

The role of leukotrienes in acute hypoxic pulmonary vasoconstriction in rats. Li SR, et al. **J Tongji Med Univ** 1986;6(4):228–34

Tumor metastasis after hyperoxic injury and repair of the pulmonary endothelium. Adamson IY, et al. **Lab Invest** 1987 Jul;57(1):71–7

Indomethacin and arterial oxygenation in critically ill patients with severe bacterial pneumonia [letter] Bihari DJ. **Lancet** 1987 Mar 28;1(8535):755

Effect of Bordetella heat–labile toxin on perfused lung preparations of guinea pigs. Endoh M, et al. **Microbiol Immunol** 1986;30(12):1239–46

Thromboxane and prostacyclin in acute lung injury caused by venous air emboli in unanesthetized sheep. Bonsignore MR, et al. **Microcirc Endothelium Lymphatics** 1986; 3(2):187–212

Heterogeneity of intimal and microvessel endothelial cell barriers in vitro. Bottaro D, et al. **Microvasc Res** 1986 Nov; 32(3):389–98

Pulmonary fibrin deposition and increased microvascular permeability to protein following fibrin microembolism in dogs: a structure–function relationship. Schaeffer RC Jr, et al. **Microvasc Res** 1987 May;33(3):327–52

Postnatal colonization of porcine lung capillaries by intravascular macrophages: an ultrastructural, morphometric analysis. Winkler GC, et al. **Microvasc Res** 1987 Mar;33(2):224–32

Hypoxic pulmonary vasoconstriction and anesthetic drugs. Eisenkraft JB. **Mt Sinai J Med (NY)** 1987 May;54(4):290–6 (37 ref.)

A noninvasive technique for monitoring lung vascular permeability in man. Basran GS, et al. **Nucl Med Commun** 1985 Jan;6(1):3–10

Vasodilatory effect of aerosol histamine during pulmonary vasoconstriction in unanesthetized sheep. Stecenko AA, et al. **Pediatr Pulmonol** 1987 Mar–Apr;3(2):94–100

Micropuncture measurement of lung microvascular pressure profile in 3– to 4–week–old rabbits. Raj JU, et al. **Pediatr Res** 1986 Nov;20(11):1107–11

Role of fibrin–neutrophil interactions in lung vascular injury. Malik AB. **Prog Clin Biol Res** 1987;236A:33–42

Can preoperative high dose corticosteroids preserve normal pulmonary permeability and homeostasis? Smith L, et al. **Prog Clin Biol Res** 1987;236B:287–94

"Endotoxin: the causative factor of mediator release during sepsis". Traber DL. **Prog Clin Biol Res** 1987;236A:377–92

Decreased pulmonary vascular responsiveness in rats raised on an essential fatty acid deficient diet. Morganroth ML, et al. **Prostaglandins** 1987 Feb;33(2):181–97

Nonbronchial systemic collateral arteries: significance in percutaneous embolotherapy for hemoptysis. Keller FS, et al. **Radiology** 1987 Sep;164(3):687–92

Fibronectin decreases pulmonary vascular permeability under baseline conditions and after administration of arachidonic acid in rabbit lungs. Seeger W, et al. **Thromb Res** 1986 Oct 15;44(2):135–46

Intravascular macrophages in lungs of pigs infected with Haemophilus pleuropneumoniae. Bertram TA. **Vet Pathol** 1986 Nov;23(6):681–91

Drug–induced pulmonary vascular disease—mechanisms and clinical patterns. Kumar K, et al. **West J Med** 1986 Sep; 145(3):343–9 (94 ref.)

[Pulmonary lobe arteries of the rabbit] Esperança Pina JA, et al. **Bull Assoc Anat (Nancy)** 1985 Sep;69(206):221–30 **(Fre)**

[DSA of the pulmonary vessels during endobronchial laser– and afterloading therapy of malignant bronchial stenoses] Kahn T, et al. **ROFO** 1986 Sep;145(3):339–43 (Eng. Abstr.) **(Ger)**

[Effect of dibutyryl cyclic AMP on hypoxic pulmonary vasoconstriction] Nakanishi S, et al. **Kokyu To Junkan** 1986 Oct;34(10):1099–104 (Eng. Abstr.) **(Jpn)**

[Pulmonary vasodilator therapy in pneumonectomized patients: hemodynamic effect of nifedipine] Takeda S, et al. **Kyobu Geka** 1986 Aug;39(8):612–6 (Eng. Abstr.) **(Jpn)**

[Time course of hypoxic pulmonary vasoconstriction in dogs] Ishibe Y, et al. **Masui** 1987 Jan;36(1):53–8 (Eng. Abstr.) **(Jpn)**

[The effect of halothane on hypoxic pulmonary vasoconstriction in the dog] Ishibe Y, et al. **Masui** 1987 Mar;36(3):356–62 (Eng. Abstr.) **(Jpn)**

[Functional evaluation of the ischemic lung with six hours cooling] Kawahara K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jul;34(7):977–85 (Eng. Abstr.) **(Jpn)**

[Effects of systemic hypercapnia on one lung hypoxic pulmonary vasoconstriction in the dog] Fukuda T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 May; 24(5):491–7 (Eng. Abstr.) **(Jpn)**

[Relationship between the changes in pulmonary vascular input impedance and the site of action of vasoactive agents in the excised canine lung lobe preparation and model circuit] Haneda T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Dec; 24(12):1315–24 (Eng. Abstr.) **(Jpn)**

[Cerebral and pulmonary arteriovenous fistula with possible hereditary hemorrhagic telangiectasia: case report] Nakao S, et al. **No Shinkei Geka** 1986 Jun;14(7):901–6 (Eng. Abstr.) **(Jpn)**

[Right ventricular function and pulmonary circulation in adult patients with isolated aortic coarctation] Dubiel JP, et al. **Pol Tyg Lek** 1986 May 12;41(19):616–8 (Eng. Abstr.) **(Pol)**

[Efficacy of regulation of the vascular tone of the lungs] Dvoretskiĭ DP. **Fiziol Zh SSSR** 1987 Mar;73(3):403–11 (27 ref.) (Eng. Abstr.) **(Rus)**

[Effect of vasoactive substances on the microhemodynamics and filtration–absorption function of the lungs] Vasil'ev AIu. **Fiziol Zh SSSR** 1987 Jun;73(6):790–7 (Eng. Abstr.) **(Rus)**

[Combined pulmonary artery atresia with atresia of the tricuspid valve and blood supply to the right lung from a collateral artery arising from the celiac trunk] Alekian BG, et al. **Grudn Khir** 1986 Nov–Dec;(6):82–4 **(Rus)**

[Sources of collateral circulation of the pulmonary vascular bed in pulmonary artery atresia with interventricular septal defect] Barchukov AIu. **Grudn Khir** 1986 Jul–Aug; (4):73–80 (33 ref.) **(Rus)**

[Blood supply of the pulmonary lobe in intrapulmonary sequestration] Kharitonov VA. **Klin Khir** 1986;(10):60–1 **(Rus)**

[Ultrastructural manifestations of intravascular coagulation and the role of the kallikrein–kinin system in the pathogenesis of cardiogenic pulmonary edema] Katel'nitskaia LI, et al. **Klin Med (Mosk)** 1986 Jul; 64(7):46–51 **(Rus)**

[A case of periarteritis nodosa with isolated lesion of the lungs] Evdokimov VG, et al. **Ter Arkh** 1986;58(7):139–41 **(Rus)**

[The state of the blood kallikrein–kinin system in acute lung diseases] Zarembskiĭ RA, et al. **Vopr Med Khim** 1987 Jan–Feb;33(1):43–7 (Eng. Abstr.) **(Rus)**

[Pulmonary varix] Zutić H, et al. **Plucne Bolesti** 1986 Apr–Jun;38(2):155–7 (Eng. Abstr.) **(Scr)**

CYTOLOGY

Morphology of globule leucocyte from bovine bronchopulmonary lavage. Coles S, et al. **Acta Anat (Basel)** 1987;129(2):155–8

Isolation of mast cells from rabbit lung and liver: comparison of histamine release induced by the hypnotics Althesin and propanidid. Ennis M, et al. **Agents Actions** 1987 Apr; 20(3–4):219–22

Some further properties of human pulmonary mast cells recovered by bronchoalveolar lavage and enzymic dispersion of lung tissue. Leung KB, et al. **Agents Actions** 1987 Apr;20(3–4):213–5

Mast cells in human keloid, small intestine, and lung by an immunoperoxidase technique using a murine monoclonal antibody against tryptase. Craig SS, et al. **Am J Pathol** 1986 Sep;124(3):427–35

Heterogeneity of mast cells in the tissues of the respiratory tract and other organ systems. Barrett KE, et al. **Am Rev Respir Dis** 1987 May;135(5):1190–5 (80 ref.)

Phenotypic variability among density–fractionated human lung fibroblasts. Elias JA, et al. **Am Rev Respir Dis** 1987 Jan;135(1):57–61

Immune interferon is a growth factor for human lung fibroblasts. Hunninghake GW, et al. **Am Rev Respir Dis** 1986 Nov;134(5):1025–8

Natural killer cell function in human lung is compartmentalized. Weissler JC, et al. **Am Rev Respir Dis** 1987 Apr;135(4):941–9

Goblet–cell density in the human lung—whole–mount study of the normal left lower lobe. Cerkez V, et al. **Anat Anz** 1986;162(3):205–13

Differential distribution of brush cells in the rat lung. Chang LY, et al. **Anat Rec** 1986 Sep;216(1):49–54

Pulmonary leukosequestration induced by hind limb ischemia. Anner H, et al. **Ann Surg** 1987 Aug;206(2):162–7

Induction, collection, and partial characterization of induced respiratory macrophages of the turkey. Ficken MD, et al. **Avian Dis** 1986 Oct–Dec;30(4):766–71

Characterization of an alveolyn–like protein associated with mouse type 2 pneumocytes using immunochemical methods. Kumar RK, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1135–41

Culture of differentiated and undifferentiated type II cells from fetal rat lung. Kresch MJ, et al. **Biochim Biophys Acta** 1987 Aug 19;930(1):19–32

Evidence for a high activity of sphingomyelin biosynthesis by phosphocholine transfer from phosphatidylcholine to ceramides in lung lamellar bodies. Lecerf J, et al. **Biochim Biophys Acta** 1987 Mar 13;918(1):48–59

Immunocytochemical localization of serotonin in the reptilian lung. Pastor LM, et al. **Cell Tissue Res** 1987 Jun; 248(3):713–5

A novel antigen is common to the dome epithelium of gut- and bronchus-associated lymphoid tissues. Roy MJ, et al. **Cell Tissue Res** 1987 Jun;248(3):635–44

Immunoreactivity for calcitonin gene-related peptide in neuroepithelial bodies of the newborn cat. Scheuermann DW, et al. **Cell Tissue Res** 1987 Aug;249(2):337–40

Extraction of immune and inflammatory cells from human lung parenchyma: evaluation of an enzymatic digestion procedure. Holt PG, et al. **Clin Exp Immunol** 1986 Oct; 66(1):188–200

Monoclonal antibody isolation of type II pneumocytes. Funkhouser JD, et al. **Cytometry** 1987 May;8(3):321–6

The fate of the primary diploid population during spontaneous transformation of growth factor-supplemented murine cell cultures. Kubbies M, et al. **Cytometry** 1986 Nov; 7(6):551–7

Synaptophysin expressed in the bronchopulmonary tract: neuroendocrine cells, neuroepithelial bodies, and neuroendocrine neoplasms. Lee I, et al. **Differentiation** 1987;34(2):115–25

Donor-age-related changes in the morphology, growth potential, and collagen biosynthesis in rat fibroblast subpopulations in vitro. Mollenhauer J, et al. **Differentiation** 1986;32(2):165–72

A comparison of nedocromil sodium and sodium cromoglycate on human lung mast cells obtained by bronchoalveolar lavage and by dispersion of lung fragments. Leung KB, et al. **Eur J Respir Dis [Suppl]** 1986; 147:223–6

Reciprocal autocrine and paracrine regulation of growth of mesenchymal and alveolar epithelial cells from fetal lung. Stiles AD, et al. **Exp Lung Res** 1986;11(3):165–77

Detection of antileukoprotease in connective tissue of the lung. Willems LN, et al. **Histochemistry** 1986;86(2):165–8

Human lung mast cells: distribution and abundance of histochemically distinct subpopulations. Shanahan F, et al. **Int Arch Allergy Appl Immunol** 1987;83(3):329–31

The isolation of inflammatory cells from normal human lung tissue. van Overveld FJ, et al. **Int J Tissue React** 1987; 9(1):61–7

Morphology and cytochemistry of the endocrine epithelial system in the lung. Scheuermann DW. **Int Rev Cytol** 1987; 106:35–88 (413 ref.)

The injurious effect of eosinophil peroxidase, hydrogen peroxide, and halides on pneumocytes in vitro. Agosti JM, et al. **J Allergy Clin Immunol** 1987 Mar;79(3):496–504

Functional heterogeneity of human mast cells from different anatomic sites: in vitro responses to morphine sulfate. Tharp MD, et al. **J Allergy Clin Immunol** 1987 Apr; 79(4):646–53

The antiproliferative effect of type beta transforming growth factor occurs at a level distal from receptors for growth-activating factors. Like B, et al. **J Biol Chem** 1986 Oct 15;261(29):13426–9

Alpha-thrombin-induced inositol phosphate formation in G0-arrested and cycling hamster lung fibroblasts: evidence for a protein kinase C-mediated desensitization response. L'Allemain G, et al. **J Cell Physiol** 1986 Nov;129(2):167–74

Inhibition by cytochalasin B of DNA synthesis in a thermosensitive anchorage-independent growth mutant. Miyashita K. **J Cell Physiol** 1987 Apr;131(1):99–106

Degradation of dipalmitoyl phosphatidylcholine by isolated rat granular pneumocytes and reutilization for surfactant synthesis. Chander A, et al. **J Clin Invest** 1987 Apr; 79(4):1133–8

Link between pulmonary megakaryocytes and cardiovascular and respiratory disease [letter] Trowbridge A, et al. **J Clin Pathol** 1987 Apr;40(4):468–9

Regulation of lung fibroblast proliferation and collagen synthesis by alveolar macrophages in experimental silicosis. I: Effect of macrophage conditioned medium from silica instilled rats. Benson SC, et al. **J Environ Pathol Toxicol Oncol** 1986 Sep-Dec;7(1–2):87–97

Ultrastructural localization of rat Clara cell 10 KD secretory protein by the immunogold technique using polyclonal and monoclonal antibodies. Bedetti CD, et al. **J Histochem Cytochem** 1987 Jul;35(7):789–94

Leu-7 immunoreactivity in human, monkey, and pig bronchopulmonary neuroepithelial bodies and neuroendocrine cells. Lauweryns JM, et al. **J Histochem Cytochem** 1987 Jun;35(6):687–91

Novel technique for isolation of human lung mast cells. Salari H, et al. **J Immunol Methods** 1987 Jun 26;100(1–2):91–7

Migration of neutrophils from lung to tracheobronchial lymph node. Harmsen AG, et al. **J Leukocyte Biol** 1987 Feb;41(2):95–103

Method of measuring deposition of unlabeled monodisperse microspheres in rat lungs. Shiotsuka RN, et al. **J Toxicol Environ Health** 1987;21(1–2):1–13

Characteristics of lung pericytes in culture including their growth inhibition by endothelial substrate. Davies P, et al. **Microvasc Res** 1987 May;33(3):300–14

Chemical carcinogen-induced decreases in genomic 5-methyldeoxycytidine content of normal human bronchial epithelial cells. Wilson VL, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3298–301

Mast cell-derived mediators and their role in cell-to-cell interactions in the lung. Lazarus SC. **Respiration** 1986;50 Suppl 2:17–21

Composition and topography of cellular lining in lung acinus of some mammalians. Sitkin GS, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1985;28(1–2):91–100

Adult peripheral lung organ culture—a model for respiratory tract toxicology. Placke ME, et al. **Toxicol Appl Pharmacol** 1987 Sep 15;90(2):284–98

Volume-controlled bronchopulmonary lavage of normal and pneumonic calves. Lay JC, et al. **Vet Pathol** 1986 Nov; 23(6):673–80

[Cell transformation by an organic extract of an air-borne particulate] Li J. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Nov; 20(6):340–3 (Eng. Abstr.) **(Chi)**

[Determination of the cell growth promoting property of culture medium and calf serum using the micro endpoint dilution method] Guan ZD, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Jun; 8(3):218–20 (Eng. Abstr.) **(Chi)**

[Isolation of human fetal lung clonogenic cells in vitro and its meaning in malignant transformation] Huang M, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Jun; 8(3):207–10 (Eng. Abstr.) **(Chi)**

[Cytoprotection of prostaglandin E1 on lung parenchymal cells] Sun XH, et al. **Sheng Li Hsueh Pao** 1986 Aug; 38(4):397–402 (Eng. Abstr.) **(Chi)**

[Thin layer chromatographic analysis of the lipoid content of smokers' cells] Reiter C. **Beitr Gerichtl Med** 1986; 44:579–603 (Eng. Abstr.) **(Ger)**

[Analysis of the signalling pathway of TNF in normal cells and tumor cells] Watanabe N, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 1):611–7 (Eng. Abstr.) **(Jpn)**

[Morphologic and histochemical studies of chromolipid cytoplasmic inclusions in the pulmonary macrophages of guinea pigs after inhaling cigarette smoke] Chyczewski L, et al. **Patol Pol** 1986 Apr-Jun;37(2):121–30 (Eng. Abstr.) **(Pol)**

[Ultrastructural studies of the surface of pulmonary macrophages of guinea pigs exposed to cigarette smoke] Chyczewski L, et al. **Patol Pol** 1986 Apr-Jun;37(2):110–20 (Eng. Abstr.) **(Pol)**

[APUD cells in the respiratory system of humans and animals: morphologic study] Gaździk T. **Postepy Hig Med Dosw** 1986 May-Jun;40(3):347–57 (110 ref.) (Eng. Abstr.) **(Pol)**

[Endocrine cells of the APUD system in human respiratory organs] Blinova SA. **Arkh Anat Gistol Embriol** 1987 Jun; 92(6):69–74 (66 ref.) **(Rus)**

[Structuro-functional changes in macrophages during phagocytosis of hard coal particles] Kruglikov GG, et al. **Gig Tr Prof Zabol** 1986 Oct;(10):20–4 (Eng. Abstr.) **(Rus)**

[Isolation and characteristics of a new strain of diploid cells from human embryonic lung tissue] Stepanova LG, et al. **Tsitologiia** 1986 Dec;28(12):1373–6 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of zymosan-activated plasma and phorbol myristate acetate on isolated, perfused rabbit lungs. Opdahl H, et al. **Acta Anaesthesiol Scand** 1987 Aug;31(6):499–505

Sensory irritation and pulmonary irritation of cumene and n-propanol: mechanisms of receptor activation and desensitization. Kristiansen U, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Jul;59(1):60–72

Phthalate esters: effects of orally administered dibutylphthalate on cytochrome P-450 mediated metabolism in rat liver and lung. Walseth F, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Oct;59(4):263–9

Biological activities of lipoxin A include lung strip contraction and dilation of arterioles in vivo. Dahlén SE, et al. **Acta Physiol Scand** 1987 Aug;130(4):643–7

The effect of sedatives on lung function in horses. Reitemeyer H, et al. **Acta Vet Scand [Suppl]** 1986;82:111–20

Pulmonary complications of cytosine-arabinoside therapy: radiographic findings. Tham RT, et al. **AJR** 1987 Jul; 149(1):23–7

Longitudinal case study of pulmonary function response to ozone [letter] Bedi JF, et al. **Am J Med** 1987 Apr; 82(4):860–1

Airway mucus membrane: effects of beta-adrenergic and anticholinergic stimulation. Foster WM, et al. **Am J Med** 1986 Nov 14;81(5A):28–35 (41 ref.)

Effect of ipratropium bromide on airway mucociliary function. Wanner A. **Am J Med** 1986 Nov 14;81(5A):23–7 (48 ref.)

Dose-dependent effects of prostaglandin D2 on hemodynamics, renal function, and blood gas analyses. Rao PS, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):843–51

Endotoxin-induced changes in pulmonary hemodynamics and respiratory mechanics. Role of lipoxygenase and cyclooxygenase products. Ahmed T, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1149–57

Effect of platelet-activating factor on aerosol histamine responsiveness in awake sheep. Christman BW, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1267–70

Adaptation to chronic hyperoxia. Biochemical effects and the response to subsequent lethal hyperoxia. Coursin DB, et al. **Am Rev Respir Dis** 1987 May;135(5):1002–6

Recombinant gamma, alpha, and beta interferon regulation of human lung fibroblast proliferation. Elias JA, et al. **Am Rev Respir Dis** 1987 Jan;135(1):62–5

Acute response to 3.0 ppm formaldehyde in exercising healthy nonsmokers and asthmatics. Green DJ, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1261–6

Cardiopulmonary effects of ketanserin infusion in human pulmonary embolism. Huet Y, et al. **Am Rev Respir Dis** 1987 Jan;135(1):114–7

Effects of complement fragments on pulmonary and vascular smooth muscle. Hugli TE, et al. **Am Rev Respir Dis** 1987 Jun;135(6 Pt 2):S9–13

Lung function after acute chlorine exposure. Jones RN, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1190–5

Ozone exposure increases respiratory epithelial permeability in humans. Kehrl HR, et al. **Am Rev Respir Dis** 1987 May; 135(5):1124–8

Degradation of collagen in lung tissue slices exposed to hyperoxia. Kerr JS, et al. **Am Rev Respir Dis** 1987 Jun; 135(6):1334–9

The effect of maternal CO2 breathing on lung development of fetuses in the rabbit. Morphologic and morphometric studies. Nagai A, et al. **Am Rev Respir Dis** 1987 Jan; 135(1):130–6

Pulmonary oxygen toxicity and ischemia-reperfusion injury. A mechanism in common involving xanthine oxidase and neutrophils. Repine JE, et al. **Am Rev Respir Dis** 1987 Aug; 136(2):483–5

Damage and repair of lung connective tissue in rats exposed to toxic levels of oxygen. Riley DJ, et al. **Am Rev Respir Dis** 1987 Feb;135(2):441–7

Arachidonic acid metabolites and the mechanisms of monocrotaline pneumotoxicity. Roth RA, et al. **Am Rev Respir Dis** 1987 Sep;136(3):762–5

Dexamethasone inhibits the antigen-induced contractile activity and release of inflammatory mediators in isolated guinea pig lung tissue. Schleimer RP, et al. **Am Rev Respir Dis** 1987 Mar;135(3):562–6

Acute effect of paraquat on lung fluid balance and prostanoid production in awake sheep. Shibamoto T, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1252–7

Longitudinal evaluation of pulmonary function in copper smelter workers' exposure to sulfur dioxide [letter] Smith TJ, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1332–3

Attenuation of permeability lung injury after phorbol myristate acetate by verapamil and OKY-046 [letter] Struhar D. **Am Rev Respir Dis** 1986 Dec;134(6):1331–2

Respiratory symptoms and lung function in habitual heavy smokers of marijuana alone, smokers of marijuana and tobacco, smokers of tobacco alone, and nonsmokers. Tashkin DP, et al. **Am Rev Respir Dis** 1987 Jan; 135(1):209–16

Oxidants and antioxidants in the lung [editorial] Travis J. **Am Rev Respir Dis** 1987 Apr;135(4):773–4

Comparison of the effects of atropine and glycopyrrolate on pulmonary mechanics in patients undergoing fiberoptic bronchoscopy. Thorburn JR, et al. **Anesth Analg** 1986 Dec; 65(12):1285–9

Effects of intracellular and extracellular calcium blockers on the pulmonary vascular responses to PGF2 alpha and U46619. Santoian EC, et al. **Angiology** 1987 Jan;38(1 Pt 1):51–5

Endotracheal diazepam: absorption and pulmonary pathologic effects. Rusli M, et al. **Ann Emerg Med** 1987 Mar;16(3):314–8

A comparison between 25% albumin and 6% hydroxyethyl starch solutions on lung water accumulation during and immediately after cardiopulmonary bypass. Lumb PD. **Ann Surg** 1987 Aug;206(2):210–3

Changes in lung function of children after an air pollution decrease. Arossa W, et al. **Arch Environ Health** 1987 May-Jun;42(3):170–4

A study of respiratory effects from exposure to 2 ppm formaldehyde in healthy subjects. Schachter EN, et al. **Arch Environ Health** 1986 Jul-Aug;41(4):229–39

Perfused and ventilated guinea-pig lung: a method for evaluating xenobiotic effects on arachidonic acid using formaldehyde. Preziosi P, et al. **Arch Toxicol [Suppl]** 1986; 9:436–40

D-penicillamine therapy and interstitial lung disease in scleroderma. A long-term followup study. de Clerck LS, et al. **Arthritis Rheum** 1987 Jun;30(6):643–50

Lung function and respiratory muscle strength after propranolol in thyrotoxicosis. Wang YT, et al. **Aust NZ J Med** 1986 Aug;16(4):496–500

Persistence of the acute effects of ozone exposure. Folinsbee LJ, et al. **Aviat Space Environ Med** 1986 Dec;57(12 Pt 1):1136–43

Pulmonary oxygen toxicity in the rat and the role of histamine. Faiman MD, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3889–92

Age-related difference in pulmonary response to ozone. Montgomery MR, et al. **Biochim Biophys Acta** 1987 Feb 11;890(2):271–4

Enhancement of lung conditioning by acetylcholine in the prevention of respiratory distress syndrome in the preterm fetal lamb. Kolobow T, et al. **Biol Neonate** 1987; 51(4):224–33

Effects of enflurane and halothane on carbohydrate metabolism in isolated perfused rabbit lungs. Paterson JL, et al. **Br J Anaesth** 1986 Oct;58(10):1156–60

A comparative study on the ventilatory and haemodynamic effects of xamoterol and atenolol in asthmatic patients. Lammers JW, et al. **Br J Clin Pharmacol** 1986 Nov; 22(5):595–602

Lysosomal enzyme activity and fibroblast stimulation of lavage from guinea pigs exposed to silica dust. Sjöstrand M, et al. **Br J Exp Pathol** 1987 Jun;68(3):309–18

The effect of platelet activating factor on pulmonary

beta-adrenoceptors. Barnes PJ, et al. **Br J Pharmacol** 1987 Apr;90(4):709–15

Mechanisms of intrinsic tone in bullfrog lung: relaxant effects of indomethacin, ouabain and potassium. Downes H, et al. **Br J Pharmacol** 1986 Mar;87(3):579–86

Induction in guinea-pigs of airway hyperreactivity and decreased lung beta-adrenoceptor number by 15-hydroperoxy-arachidonic acid. Folkerts G, et al. **Br J Pharmacol** 1983 Dec;80(4):597–9

Histomorphologic changes induced by methyl isocyanate in lungs of rats and rabbits. Pant SC, et al. **Bull Environ Contam Toxicol** 1987 May;38(5):876–81

The effects of salbutamol on pulmonary function in cyclists exposed to ozone: a pilot study. McKenzie DC, et al. **Can J Sport Sci** 1987 Mar;12(1):46–8

Effect of Fluosol-DA/O2 on the antitumor activity and pulmonary toxicity of bleomycin. Teicher BA, et al. **Cancer Chemother Pharmacol** 1986;18(3):213–8

The effects of 4-hydroxy-2,3-trans-nonenal on beta-adrenoceptors of rat lung membranes. Leurs R, et al. **Chem Biol Interact** 1986 Sep;59(2):211–8

Amiodarone pulmonary toxicity presenting as bilateral exudative pleural effusions. Gonzalez-Rothi RJ, et al. **Chest** 1987 Jul;92(1):179–82

Pulmonary function abnormalities in intentional spray paint inhalation. Reyes de la Rocha S, et al. **Chest** 1987 Jul; 92(1):100–4

Methylxanthines, adenosine and the pulmonary system [editorial] Winn HR. **Chest** 1987 Jun;91(6):800–1

Captopril effects on pulmonary and systemic hemodynamics in chronic cor pulmonale. Zieliński J, et al. **Chest** 1986 Oct;90(4):562–5

Leukotriene D4 increases extravascular lung water in the dog. Shapiro JM, et al. **Circ Shock** 1987;21(2):121–8

Effects of intravascular volume expansion on lung fluid balance in a canine model of septic shock. D'Orio V, et al. **Crit Care Med** 1987 Sep;15(9):863–8

Morphologic effects of inhaled diesel engine exhaust on lungs of rats: comparison with effects of coal oven flue gas mixed with pyrolyzed pitch. Mohr U, et al. **Dev Toxicol Environ Sci** 1986;13:459–70

Sensory and pulmonary irritation of methyl isocyanate in mice and pulmonary irritation and possible cyanidelike effects of methyl isocyanate in guinea pigs. Alarie Y, et al. **Environ Health Perspect** 1987 Jun;72:159–67

Biological effects of short-term, high-concentration exposure to methyl isocyanate. V. Morphologic evaluation of rat and guinea pig lungs. Fowler EH, et al. **Environ Health Perspect** 1987 Jun;72:39–44

Cardiopulmonary effects in awake rats four and six months after exposure to methyl isocyanate. Tepper JS, et al. **Environ Health Perspect** 1987 Jun;72:95–103

Sister chromatid exchange analysis in lung and peripheral blood lymphocytes of mice exposed to methyl isocyanate by inhalation. Kligerman AD, et al. **Environ Mutagen** 1987; 9(1):29–36

The lung biological activity of American attapulgite. Bégin R, et al. **Environ Res** 1987 Apr;42(2):328–39

T-cell activation in pulmonary lymph nodes of mice exposed to ozone. Dziedzic D, et al. **Environ Res** 1986 Dec; 41(2):610–22

Thymus and pulmonary lymph node response to acute and subchronic ozone inhalation in the mouse. Dziedzic D, et al. **Environ Res** 1986 Dec;41(2):598–609

The pulmonary effects and clearance of intratracheally instilled Ni3S2 and TiO2 in mice. Finch GL, et al. **Environ Res** 1987 Feb;42(1):83–93

Rabbit lung after inhalation of hexa- and trivalent chromium. Johansson A, et al. **Environ Res** 1986 Oct;41(1):110–9

Pulmonary effects of sulfur dioxide and respirable carbon aerosol. Kulle TJ, et al. **Environ Res** 1986 Oct;41(1):239–50

Pulmonary response to impaired lung clearance in rats following excessive TiO2 dust deposition. Lee KP, et al. **Environ Res** 1986 Oct;41(1):144–67

Overall and regional lung function in dogs exposed acutely to ozone. Morgan MS, et al. **Environ Res** 1986 Dec; 41(2):546–57

Cadmium-induced acute lung injury: compromised repair response following thyroidectomy. Palmer KC, et al. **Environ Res** 1986 Dec;41(2):568–84

Influence of exposure regimen on nitrogen dioxide-induced morphological changes in the rat lung. Rombout PJ, et al. **Environ Res** 1986 Dec;41(2):466–80

Effect of inhaled ozone on lung histamine in conscious guinea pigs. Shields RL, et al. **Environ Res** 1987 Apr;42(2):435–45

A selective enhancement of xenobiotic metabolizing systems of rat lungs by prolonged exposure to ozone. Takahashi Y, et al. **Environ Res** 1987 Apr;42(2):425–34

Subacute effects of nitrogen dioxide on membrane constituents of lung, liver, and kidney of rats. Takahashi Y, et al. **Environ Res** 1986 Oct;41(1):184–94

Pulmonary response following intratracheal instillation of potroom dust from an aluminum reduction plant into rat lung. White LR, et al. **Environ Res** 1987 Apr;42(2):534–45

Pulmonary response to exposure to ozone of emphysematous rats. Yokoyama E, et al. **Environ Res** 1987 Feb;42(1):114–20

Airway response to salbutamol and to ipratropium bromide after non-selective and cardioselective beta-blocker. Desche P, et al. **Eur J Clin Pharmacol** 1987;32(4):343–6

Iloprost (ZK 36374) prevents angiotensin I conversion in the isolated perfused rat lung against anoxia. Aksulu HE, et al. **Eur J Pharmacol** 1986 Aug 22;128(1-2):67–72

Interference of BN 52021 (ginkgolide B) with the bronchopulmonary effects of PAF-acether in the guinea-pig. Desquand S, et al. **Eur J Pharmacol** 1986 Aug 7;127(1-2):83–95

Influence of ambroxol on tracheobronchial clearance in simple chronic bronchitis. Ericsson CH, et al. **Eur J Respir Dis** 1987 Mar;70(3):163–70

Ambroxol therapy in simple chronic bronchitis: effects on subjective symptoms and ventilatory function. Ericsson CH, et al. **Eur J Respir Dis** 1986 Oct;69(4):248–55

Pulmonary pharmacology: progress and controversy. Ziment I. **Eur J Respir Dis [Suppl]** 1986;146:535–40 (24 ref.)

Pulmonary function responses of older men and women to ozone exposure. Drechsler-Parks DM, et al. **Exp Gerontol** 1987;22(2):91–101

6-keto prostaglandin F1 alpha and thromboxane B2 in isolated, buffer-perfused lungs from monocrotaline pyrrole-treated rats. Ganey PE, et al. **Exp Lung Res** 1987; 12(3):195–206

Effects of administration of metabolic inducers and inhibitors on pulmonary toxicity and covalent binding by 1,1-dichloroethylene in CD-1 mice. Forkert PG, et al. **Exp Mol Pathol** 1986 Aug;45(1):44–58

Pulmonary response to atmospheric pollutants. 3. The role of pulmonary collapse in the induction of aberrations of the type 2 pneumocyte. Lykke AW, et al. **Exp Pathol** 1987; 31(4):243–8

An in vitro lung epithelial cell system for evaluating the potential toxicity of inhalable materials. Li AP. **Food Chem Toxicol** 1986 Jun-Jul;24(6-7):527–34

The toxicological implications of the interaction of butylated hydroxytoluene with other antioxidants and phenolic chemicals. Thompson DC, et al. **Food Chem Toxicol** 1986 Oct-Nov;24(10-11):1189–95

Formation of acute pulmonary toxicants following thermal degradation of perfluorinated polymers: evidence for a critical atmospheric reaction. Williams SJ, et al. **Food Chem Toxicol** 1987 Feb;25(2):177–85

Comparative acute toxicity of four nickel compounds to F344 rat lung. Benson JM, et al. **Fundam Appl Toxicol** 1986 Aug; 7(2):340–7

Pulmonary alterations in rats due to acute phosgene inhalation. Currie WD, et al. **Fundam Appl Toxicol** 1987 Jan;8(1):107–14

The effect of chlorphentermine pretreatment on the toxicity of nitrogen dioxide in mice. Hastings CE Jr, et al. **Fundam Appl Toxicol** 1987 Jul;9(1):69–81

Alterations in particle accumulation and clearance in lungs of rats chronically exposed to diesel exhaust. Wolff RK, et al. **Fundam Appl Toxicol** 1987 Jul;9(1):154–66

Sotalol potentiates the leukotriene C4-induced contractions and thromboxane A2 release of guinea pig lung parenchymal strips. Zijlstra FJ, et al. **Gen Pharmacol** 1986; 17(5):585–8

Mechanism of paraquat toxicity in lung and its relevance to treatment. Smith LL. **Hum Toxicol** 1987 Jan;6(1):31–6 (25 ref.)

C1q content of serum and lung lavage fluid of rats exposed to toxic levels of oxygen. Kerr JS, et al. **Immunol Invest** 1986 Aug;15(5):473–80

Characterization of platelet activating factor (PAF)-acether-induced contractions of guinea-pig lung strips by selected inhibitors of arachidonic acid metabolism and by PAF-acether antagonists. Touvay C, et al. **Immunopharmacology** 1986 Oct;12(2):97–104

Immunomodulation of local and systemic immunity after subchronic pulmonary exposure of mice to benzo(a)pyrene. Schnizlein CT, et al. **Int J Immunopharmacol** 1987; 9(1):99–106

Lung damage following bone marrow transplantation: II. The contribution of cyclophosphamide. Varekamp AE, et al. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1515–21

Pulmonary reaction to environmental pollutants. Koenig JQ. **J Allergy Clin Immunol** 1987 Jun;79(6):833–43 (87 ref.)

Pulmonary vascular injury by polycations in perfused rat lungs. Chang SW, et al. **J Appl Physiol** 1987 May; 62(5):1932–43

Relationship between ozone exposure and pulmonary function changes. Hazucha MJ. **J Appl Physiol** 1987 Apr; 62(4):1671–80 (46 ref.)

VIP and PHM and their role in nonadrenergic inhibitory responses in isolated human airways. Palmer JB, et al. **J Appl Physiol** 1986 Oct;61(4):1322–8

Chronic effects on the respiratory tract of hamsters, mice and rats after long-term inhalation of high concentrations of filtered and unfiltered diesel engine emissions. Heinrich U, et al. **J Appl Toxicol** 1986 Dec;6(6):383–95

Platelet-activating factor mediates hemodynamic changes and lung injury in endotoxin-treated rats. Chang SW, et al. **J Clin Invest** 1987 May;79(5):1498–509

Intravascular release of intact cellular fibronectin during oxidant-induced injury of the in vitro perfused rabbit lung. Peters JH, et al. **J Clin Invest** 1986 Dec;78(6):1596–603

Recombinant tumor necrosis factor/cachectin and interleukin 1 pretreatment decreases lung oxidized glutathione accumulation, lung injury, and mortality in rats exposed to hyperoxia. White CW, et al. **J Clin Invest** 1987 Jun; 79(6):1868–73

Lung mechanics in growing guinea-pigs treated with growth hormone. Gaultier C, et al. **J Dev Physiol** 1986 Oct; 8(5):315–21

Effect of epidermal growth factor on lung liquid secretion in fetal sheep. Kennedy KA, et al. **J Dev Physiol** 1986 Dec;8(6):421–33

Studies on nonoxynol-9. IV. Biochemical and morphological effects in the liver, kidneys and lungs of rats following intravaginal and intraperitoneal administration. Chvapil M, et al. **J Environ Pathol Toxicol Oncol** 1986 Sep-Dec; 7(1-2):131–9

Respiratory responses in the lower respiratory tract of Sprague-Dawley rats to formaldehyde inhalation. Dallas CE, et al. **J Environ Pathol Toxicol Oncol** 1986 May-Aug; 6(5-6):1–11

The impact of inhaled acrolein on hypertension-sensitive and resistant rats. Kutzman RS, et al. **J Environ Pathol Toxicol Oncol** 1986 May-Aug; 6(5-6):97–108

Effects of chrysotile asbestos on DNA synthesis and growth of human embryonic lung fibroblasts. Lemaire I, et al. **J Environ Pathol Toxicol Oncol** 1986 May-Aug; 6(5-6):169–80

Severe acute oxidant exposure: morphological damage and aerobic metabolism in the lung. Montgomery MR, et al. **J Environ Pathol Toxicol Oncol** 1986 Sep-Dec; 7(1-2):169–80

Diffusing lung capacity and cyclosporine in patients with heart transplants. Casan P, et al. **J Heart Transplant** 1987 Jan-Feb;6(1):54–6

Hyperoxic lung injury in mice: a possible protective role for prostacyclin. Smith LJ, et al. **J Lab Clin Med** 1986 Nov; 108(5):479–88

Effects of metaproterenol on pulmonary mechanics, oxygenation, and ventilation in infants with chronic lung disease. Cabal LA, et al. **J Pediatr** 1987 Jan;110(1):116–9

Oral theophylline and diuretics improve pulmonary mechanics in infants with bronchopulmonary dysplasia. Kao LC, et al. **J Pediatr** 1987 Sep;111(3):439–44

Administration of bovine superoxide dismutase fails to prevent chronic pulmonary sequelae of neonatal oxygen exposure in the rat. Shaffer SG, et al. **J Pediatr** 1987 Jun; 110(6):942–6

Pharmacological actions of ICI 180080, a novel thromboxane receptor antagonist. Jessup CL, et al. **J Pharm Pharmacol** 1986 Oct;38(10):754–7

The relation between effects of adenosine, theophylline and enprofylline on the contractility of sensitized guinea-pig lung strips. Napier FE, et al. **J Pharm Pharmacol** 1987 Jun; 39(6):432–8

Gossypol: a potent inhibitor of PAF-acether- and leukotriene-induced contractions of guinea-pig lung parenchyma strips. Touvay C, et al. **J Pharm Pharmacol** 1987 Jun;39(6):454–8

An examination of the ability of d-tubocurarine to evoke contraction and mediator release from superfused trachea and parenchymal strips isolated from the guinea pig. Fishleder RI, et al. **J Pharmacol Exp Ther** 1987 Aug; 242(2):558–65

Salutary effects of prostaglandin E1 in perfused rat lungs injured with hydrogen peroxide. Gillespie MN, et al. **J Pharmacol Exp Ther** 1987 Apr;241(1):1–5

Correlated biochemical and ultrastructural studies on the lung in isolated and combined acute treatment with ethanol and paraquat. Salovski P, et al. **J Toxicol Clin Exp** 1986 Nov-Dec;6(6):353–68

Pulmonary biochemical effects of inhaled phosgene in rats. Franch S, et al. **J Toxicol Environ Health** 1986;19(3):413–23

Mucociliary clearance from the lungs of rabbits following single and intermittent exposures to ozone. Schlesinger RB, et al. **J Toxicol Environ Health** 1987;20(1-2):125–34

Sequence of bronchoalveolar lavage and histopathologic findings in rat lungs early in inhalation asbestos exposure. Smith CM, et al. **J Toxicol Environ Health** 1987; 20(1-2):147–61

Effects of labetalol on in vitro preparations of the trachea and lung strips and on ventilation overflow in vivo in guinea pigs. Kameda H. **Jpn J Pharmacol** 1987 Mar; 43(3):291–9

Nitropyrene-induced DNA repair in Clara cells and alveolar type-II cells isolated from rabbit lung. Haugen A, et al. **Mutat Res** 1986 Dec;175(4):259–62

Modulation of the contractile activity of the guinea-pig lung parenchymal strip by exogenous 5,8,11,14,17-eicosapentaenoic acid. Simmet T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jun; 335(6):652–9

Effect of a beta-agonist nebulization on lung function in neonates with increased pulmonary resistance. Gomez-Del Rio M, et al. **Pediatr Pulmonol** 1986 Sep-Oct;2(5):287–91

Protection by two ginkgolides, BN-52020 and BN-52021, against guinea-pig lung anaphylaxis. Berti F, et al. **Pharmacol Res Commun** 1986 Sep;18(9):775–93

Bleomycin for the cure of Trypanosoma brucei brucei infections in mice: lack of pulmonary toxicity. Chovan JP, et al. **Pharmacol Res Commun** 1986 Sep;18(9):867–73

The increasing and decreasing effects of aromatic hydrocarbon solvents on pulmonary and hepatic cytochrome P-450 in the rat. Pyykkö K, et al. **Pharmacol Toxicol** 1987 Apr;60(4):288–93

Effects of capsaicin on pulmonary responses to vagal stimulation and bronchospastic drugs in guinea pigs. Chow A, et al. **Proc West Pharmacol Soc** 1986;29:385–8

Extravascular lung water and pulmonary artery pressure with acute respiratory failure—effect of ketanserin administration. Heinrichs W, et al. **Prog Clin Biol Res** 1987;

236B:153–9
Circadian-dependent response in DNA synthesis to epidermal growth factor in spleen, bone marrow, and lung and in mitotic index of corneal epithelium in ad libitum-fed and fasted CD2F1 mice. Scheving LE, et al. **Prog Clin Biol Res** 1987;227A:181–91
Antagonism by ETYA of the effects of leukotrienes on ileum and lung parenchymal strips independent of effects on arachidonic acid metabolism. Hageman WE, et al. **Prostaglandins** 1986 Oct;32(4):563–78
Pharmacology of aerosol leukotriene C4- and D4-induced alteration of pulmonary mechanics in anesthetized cynomolgus monkeys. Krell RD, et al. **Prostaglandins** 1986 Nov;32(5):769–80
Further studies on the mechanism of action of leukotrienes and histamine on guinea pig lung parenchyma. Role of calcium, phospholipase and methyltransferase. Sirois P, et al. **Prostaglandins** 1986 Jun;31(6):1117–33
A comparison of the effects of aspirin and histamine of fluid balance in the recruited lung. Weidner WJ, et al. **Prostaglandins** 1987 Mar;33(3):431–43
The early involvement of pulmonary prostaglandins in hyperoxic lung injury. Hageman JR, et al. **Prostaglandins Leukotrienes Med** 1986 Dec;25(2–3):105–22
Effects of chronic ethanol ingestion on arachidonic acid metabolism in rat tissues and in vitro effect of ethanol on cAMP in platelets. Hwang DH, et al. **Prostaglandins Leukotrienes Med** 1987 Mar;26(3):299–305
Effects of selenium, vitamin E and vitamin C on human prostacyclin and thromboxane synthesis in vitro. Toivanen JL. **Prostaglandins Leukotrienes Med** 1987 Mar; 26(3):265–80
Stimulus-related difference in the formation of leukotrienes and PGD2 after immunological and non-immunological challenge of human lung parenchyma "in vitro". Viganò T, et al. **Prostaglandins Leukotrienes Med** 1986 Aug; 23(2–3):109–15
Mitomycin C-induced hemolytic uremic syndrome. Six case reports and review of the literature on renal, pulmonary and cardiac side effects of the drug. Verweij J, et al. **Radiother Oncol** 1987 Jan;8(1):33–41 (74 ref.)
Hexamethonium aerosol prevents pulmonary reflexes induced by cigarette smoke in dogs. Lee LY, et al. **Respir Physiol** 1986 Dec;66(3):303–14
The effect of dextran solution on pulmonary plasma-lymph barrier in awake sheep. Toyofuku T, et al. **Respir Physiol** 1987 May;68(2):239–50
Influence of experimentally induced airway inflammation on the reactivity of cat lung parenchymal strips to histamine and acetylcholine. Bánovčin P, et al. **Respiration** 1987; 51(1):1–9
Maternal nicotine exposure and carbohydrate metabolism of fetal and neonatal lung tissue: response to nicotine withdrawal. Maritz GS. **Respiration** 1987;51(3):232–40
Lung protection by a thiol-containing antioxidant: N-acetylcysteine. Moldéus P, et al. **Respiration** 1986;50 Suppl 1:31–42
Different ability of verapamil to inhibit agonist-induced contraction of lung parenchymal strips from control and sensitized guinea pigs. Perpiñá M, et al. **Respiration** 1986; 50(3):174–84
Continuous intravenous infusion of elastase in normal and agranulocytic minipigs—effects on the lungs and the blood coagulation system. Stokke T, et al. **Resuscitation** 1986 Sep; 14(1–2):61–79
Modification of the response of rats to acute exposure to nitrogen dioxide by sodium salicylate. Vyskočil A, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1985;28(1–2):127–32
The effect of pretreatment with ACTH on the concentration of histamine in lung and corticosterone in serum of rats after nitrogen dioxide inhalation. Vyskočil A, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1984;27(4):535–41
Effect of short and long term antibiotic response on lung function in bronchiectasis. Hill SL, et al. **Thorax** 1986 Oct; 41(10):798–800
Effect of verapamil and sodium cromoglycate on leukotriene D4 induced bronchoconstriction in patients with asthma. Roberts JA, et al. **Thorax** 1986 Oct;41(10):753–8
The pulmonary toxicity of talc and granite dust as estimated from an in vivo hamster bioassay. Beck BD, et al. **Toxicol Appl Pharmacol** 1987 Feb;87(2):222–34
Acute cardiovascular and pulmonary effects of intravenous and aerosolized amiloride in the dog. Boucher RC, et al. **Toxicol Appl Pharmacol** 1987 Feb;87(2):264–75
Functional changes in the lungs of guinea pigs exposed to sodium sulfite aerosols. Chen LC, et al. **Toxicol Appl Pharmacol** 1987 Jun 15;89(1):1–8
Pulmonary effects of a polyisocyanate aerosol: hexamethylene diisocyanate trimer (HDIt) or Desmodur-N (DES-N). Ferguson JS, et al. **Toxicol Appl Pharmacol** 1987 Jul;89(3):332–46
Inhalation toxicity of hexafluoroisobutylene. Gad SC, et al. **Toxicol Appl Pharmacol** 1986 Dec;86(3):327–40
A phosphorothionate isomer protects against the pneumotoxicity caused by O,O,S-trimethyl phosphorothioate. Gandy J, et al. **Toxicol Appl Pharmacol** 1987 Mar 15;87(3):498–508
Decreased pneumotoxicity of deuterated 3-methylindole: bioactivation requires methyl C-H bond breakage. Huijzer JC, et al. **Toxicol Appl Pharmacol** 1987 Aug;90(1):60–8
Immunotoxicity studies in mice exposed to methyl isocyanate. Luster MI, et al. **Toxicol Appl Pharmacol** 1986 Oct; 86(1):140–4
Effect of ozone exposure on lung functions and plasma prostaglandin and thromboxane concentrations in guinea pigs. Miller PD, et al. **Toxicol Appl Pharmacol** 1987 Mar 30;88(1):132–40
Long-term consequences of exposure to ozone. II. Structural alterations in lung collagen of monkeys. Reiser KM, et al. **Toxicol Appl Pharmacol** 1987 Jul;89(3):314–22
Bronchoalveolar lavage in rats and mice following beryllium sulfate inhalation. Sendelbach LE, et al. **Toxicol Appl Pharmacol** 1987 Sep 15;90(2):322–9
Acute pulmonary toxicity of beryllium sulfate inhalation in rats and mice: cell kinetics and histopathology. Sendelbach LE, et al. **Toxicol Appl Pharmacol** 1986 Sep 15;85(2):248–56
Experimental sensitization to subtilisin. I. Production of immediate- and late-onset pulmonary reactions. Thorne PS, et al. **Toxicol Appl Pharmacol** 1986 Oct;86(1):112–23
Synergistic interaction of ozone and respirable aerosols on rat lungs. III. Ozone and sulfuric acid aerosol. Warren DL, et al. **Toxicol Appl Pharmacol** 1987 Apr;88(2):203–16
Alteration of the redox state of NADPH and glutathione in perfused rabbit lung by paraquat. Brigelius R, et al. **Toxicol Ind Health** 1986 Dec;2(4):417–28
Response of pulmonary energy metabolism to phosgene. Currie WD, et al. **Toxicol Ind Health** 1985 Oct;1(2):17–27
Response of the pulmonary surfactant system to phosgene. Frosolono MF, et al. **Toxicol Ind Health** 1985 Oct; 1(2):29–35
Influence of age on the biochemical response of rat lung to ozone exposure. Mustafa MG, et al. **Toxicol Ind Health** 1985 Nov;1(3):29–41
Decreased pulmonary drug metabolism in mice treated with the PCB metabolite 4-methylsulphonyl-2,2',5,5'-tetrachlorobiphenyl. Lund BO, et al. **Toxicol Lett** 1986 Sep;32(3):261–7
Effects of 1,3-bis(2-chloroethyl)-1-nitrosourea (BCNU) on the levels of glutathione and lipid peroxidation and the activity of glutathione reductase in liver and lung. Nakagawa Y. **Toxicol Lett** 1987 Feb;35(2–3):269–75
Guinea pig pulmonary response to sensitization by five preformed monoisocyanate-ovalbumin conjugates. De Ceaurriz J, et al. **Toxicology** 1987 Jan;43(1):93–101
Differential induction of cytochrome P-450 catalyzed activities by polychlorinated biphenyls and benzo [a]pyrene in B6C3F1 mouse liver and lung. Mitchell CE, et al. **Toxicology** 1987 Mar;43(3):315–23
Stimulation of cyclophosphamide-induced pulmonary microsomal lipid peroxidation by oxygen. Patel JM. **Toxicology** 1987 Jul;45(1):79–91
Intermittent exposures to mixed atmospheres of nitrogen dioxide and sulfuric acid: effect on particle clearance from the respiratory region of rabbit lungs. Schlesinger RB, et al. **Toxicology** 1987 Jun;44(3):309–19
Glucose ameliorates the depletion of NADPH by paraquat in rat lung slices. Sullivan TM, et al. **Toxicology** 1986 Oct; 41(2):145–52
[Toxicity studies of the Bulgarian cytostatic biocarbazine on the lung, kidneys and small intestine] Uzunov P, et al. **Eksp Med Morfol** 1986;25(4):57–62 (Eng. Abstr.) **(Bul)**
[Pulmonary side-effects of antineoplastic chemotherapy] Ernst P, et al. **Ugeskr Laeger** 1987 Jan 5;149(2):72–6 (25 ref.) (Eng. Abstr.) **(Dan)**
[Mechanisms of oxygen-induced lung injury] Housset B. **Arch Int Physiol Biochim** 1986 Dec;94(5):S1–5 (21 ref.) (Eng. Abstr.) **(Fre)**
[The effect of chronic ammonia exposure on the histomorphologic structure of the respiratory tract and the clearance capacity of the lungs in rats. 1. Results of mucociliary clearance of Staphylococcus aureus in rat lungs after ammonia loading] Heinold G, et al. **Arch Exp Veterinarmed** 1987 May;41(3):434–41 (Eng. Abstr.) **(Ger)**
[Lung injury following mitomycin C (letter)] **Dtsch Med Wochenschr** 1987 May 1;112(18):742 **(Ger)**
[Inhaled pollutants and the surfactant system of the lung] Ladanyi E. **Prax Klin Pneumol** 1986 Dec;40(12):465–9 **(Ger)**
[Lung parenchymatous changes following mustard gas poisoning] Leipner N, et al. **ROFO** 1987 Aug;147(2):152–5 (Eng. Abstr.) **(Ger)**
[Lung damage caused by paraquat. 1. Histologic, histochemical and pathophysiologic findings in rat lungs following acute paraquat poisoning] Schnorr R, et al. **Z Erkr Atmungsorgane** 1986;167(1–2):135–9 (Eng. Abstr.) **(Ger)**
[Functional compromise of the small airways in subjects exposed to SiO2] Avolio G, et al. **Minerva Med** 1986 Nov 30;77(45–46):2183–5 (Eng. Abstr.) **(Ita)**
[Antitumor effects and pulmonary toxicity of bleomycin administered by continuous subcutaneous infusion in patients with advanced cervical cancer] Miyamoto T. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1830–5 (Eng. Abstr.) **(Jpn)**
[Regional differences in bronchial injuries due to nitrogen dioxide and elastase] Kawakami M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Nov; 24(11):1211–5 (Eng. Abstr.) **(Jpn)**
[Oxygen toxicity in the lung] Iwata M, et al. **Seikagaku** 1986 Nov;58(11):1405–10 (29 ref.) **(Jpn)**
[Effect of high heparin doses on pulmonary metabolic and gas-exchange functions] Sadchikov DV, et al. **Anesteziol Reanimatol** 1987 Mar-Apr;(2):18–20 (Eng. Abstr.) **(Rus)**
[Effect of sodium thiosulfate on the glycosaminoglycans and collagen of the pulmonary tissue in pulmonary tuberculosis patients] Kibrik BS, et al. **Probl Tuberk** 1986;(9):40–4 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Fetal lung maturation in diabetic pregnancy. Tydén O, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:101–6
Transplacental stimulation of functional and morphologic fetal rabbit lung maturation: effect of thyrotropin-releasing hormone. Devaskar U, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):460–4
Clinical and economic considerations associated with testing for fetal lung maturity. Herbert WN, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):820–3
Maternal alcohol ingestion and the incidence of respiratory distress syndrome. Ioffe S, et al. **Am J Obstet Gynecol** 1987 May;156(5):1231–5
Ultrasonic ratio of fetal thoracic to abdominal circumference: an association with fetal pulmonary hypoplasia. Johnson A, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):764–9
Cholesteryl palmitate as a predictor of fetal lung maturity. Ludmir J, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):84–8
Fetal lung maturity [letter] Walker WR, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):259–60
Amniotic fluid protease activity, protease inhibitory activity, and fetal lung maturity. Menashe M, et al. **Am J Perinatol** 1987 Jan;4(1):68–71
Maturity of fetal lungs determined by bubble stability in amniotic fluid. Müller-Tyl EK. **Am J Perinatol** 1986 Oct; 3(4):315–7
The prediction of fetal lung maturity by amniotic fluid fluorescence polarization in diabetic pregnancy. Simon NV, et al. **Am J Perinatol** 1987 Apr;4(2):171–5
Third-trimester biparietal diameter as a predictor of fetal lung maturity. Slocum WA, et al. **Am J Perinatol** 1987 Jul;4(3):266–70
Guinea pig lung development: antioxidant enzymes and premature survival in high O2. Sosenko IR, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):R693–8
The effects of intrauterine pneumonectomy in lambs. A morphometric study of the remaining lung at term. Hu LM, et al. **Am Rev Respir Dis** 1987 Mar;135(3):607–12
Effects of distention of the preterm fetal lamb lung on lung function with ventilation. Ikegami M, et al. **Am Rev Respir Dis** 1987 Mar;135(3):600–6
Interaction of prenatal starvation and dexamethasone treatment on lung development in newborn guinea pigs. Lechner AJ. **Am Rev Respir Dis** 1987 May;135(5):991–6
Perturbation of developmental events by nutritional means [editorial] Smith BT, et al. **Am Rev Respir Dis** 1987 May; 135(5):989
Development of the pulmonary acinus in fetal rat lung: a study based on an antiserum recognizing surfactant-associated proteins. Otto-Verberne CJ, et al. **Anat Embryol (Berl)** 1987;175(3):365–73
Morphometric analysis of the growth of the normal fetal guinea pig lung. Collins MH, et al. **Anat Rec** 1986 Nov; 216(3):381–91
Functional phospholipid/sphingomyelin ratio: an easy to interpret indicator of fetal lung maturity. Dohnal JC, et al. **Ann Clin Lab Sci** 1986 Sep-Oct;16(5):407–11
Effect of simultaneous administration of betamethasone and triiodothyronine (T3) on the development of functional pulmonary maturation in fetal rabbit. Devaskar U, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):524–9
Role of alpha-glucosidase in fetal lung maturation. Bourbon JR, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):203–10
Effects of glucocorticoid and thyroid hormones on regulatory enzymes of fatty acid synthesis and glycogen metabolism in developing fetal rat lung. Pope TS, et al. **Biochim Biophys Acta** 1987 Apr 3;918(2):141–8
Induction and characterization of the major surfactant apoprotein during rabbit fetal lung development. Snyder JM, et al. **Biochim Biophys Acta** 1987 Aug 15;920(3):226–36
5'-Nucleotidase activity in adult and fetal rabbit lungs. Tsao FH. **Biol Neonate** 1986;49(6):331–6
Predisposition of cloned fetal hamster lung epithelial cells to transformation by a precarcinogen, benzo(a)pyrene, using growth hormone supplementation and collagen gel substratum. Emura M, et al. **Cancer Res** 1987 Feb 15; 47(4):1155–60
Ultrastructural colocalization of the bioactive mediators 5-hydroxytryptamine and bombesin in endocrine cells of human fetal airways. Dey RD, et al. **Cell Tissue Res** 1986; 246(1):119–24
Modified lamellar body phospholipid assay compared with L/S ratio and phosphatidylglycerol assay for assessment of fetal pulmonary status. Ivie WM, et al. **Clin Chem** 1987 Jan;33(1):24–31
Variables affecting resolution of lung phospholipids in one-dimensional thin-layer chromatography. Krahn J. **Clin Chem** 1987 Jan;33(1):135–7
A calibrated fluorescence polarization assay for assessment of fetal lung maturity. Russell JC. **Clin Chem** 1987 Jul; 33(7):1177–84
Prospective clinical evaluation of an improved fluorescence polarization assay for predicting fetal lung maturity. Talt JF, et al. **Clin Chem** 1987 Apr;33(4):554–8
Assay of disaturated phosphatidylcholine in amniotic fluid as a test of fetal lung maturity: experience with 2000

analyses. Tsai MY, et al. **Clin Chem** 1987 Sep;33(9):1648–51
Estimation of low levels of phosphatidylglycerol in aspirates of newborns using the AmnioStat FLM agglutination test. Egberts J, et al. **Clin Chim Acta** 1987 Jul 15;166(2–3):329–33
Human fetal lung development and related animal models. Pringle KC. **Clin Obstet Gynecol** 1986 Sep;29(3):502–13
A quantitative study of the development of type II pneumocytes in fetal lung. Leary JF, et al. **Cytometry** 1986 Sep;7(5):431–8
Localization and accumulation of fibronectin in rabbit fetal lung tissue. Snyder JM, et al. **Differentiation** 1987; 34(1):32–9
Adenosine 3',5'-monophosphate analogs and beta-adrenergic agonists induce the synthesis of the major surfactant apoprotein in human fetal lung in vitro. Odom MJ, et al. **Endocrinology** 1987 Sep;121(3):1155–63
Insulin inhibits the accumulation of the major lung surfactant apoprotein in human fetal lung explants maintained in vitro. Snyder JM, et al. **Endocrinology** 1987 Apr;120(4):1250–7
A betamimetic drug and human fetal lung maturation. Cabero L, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Aug; 9(4):261–3
Orciprenaline and fetal lung maturation in rabbits. Cabero L, et al. **Eur J Obstet Gynecol Reprod Biol** 1977;7(6):357–8
Effects of cis-hydroxyproline on type II cell development in fetal rat lung. King GM, et al. **Exp Lung Res** 1987; 12(4):347–62
The sex difference in fetal lung surfactant production. Torday JS, et al. **Exp Lung Res** 1987;12(1):1–19 (91 ref.)
Foetal pulmonary maturation in pregnancy induced hypertension. Dhall K, et al. **Indian J Med Res** 1986 Jun; 83:584–6
Initiation of pulmonary gas exchange by fetal sheep in utero. Adamson SL, et al. **J Appl Physiol** 1987 Mar;62(3):989–98
Endogenous opioids modulate fetal rabbit lung maturation. Comer CR, et al. **J Appl Physiol** 1987 Jun;62(6):2141–6
Decline in lung liquid volume before labor in fetal lambs. Dickson KA, et al. **J Appl Physiol** 1986 Dec;61(6):2266–72
State-related changes in lung liquid secretion and tracheal flow rate in fetal lambs. Dickson KA, et al. **J Appl Physiol** 1987 Jan;62(1):34–8
Induction of surfactant protein in fetal lung. Effects of cAMP and dexamethasone on SAP-35 RNA and synthesis. Whitsett JA, et al. **J Biol Chem** 1987 Apr 15; 262(11):5256–61
Corticosteroids and surfactant change lung function and protein leaks in the lungs of ventilated premature rabbits. Ikegami M, et al. **J Clin Invest** 1987 May;79(5):1371–8
Basal laminar thinning in branching morphogenesis of the chick lung as demonstrated by lectin probes. Gallagher BC. **J Embryol Exp Morphol** 1986 Jun;94:173–88
Branching morphogenesis in the avian lung: electron microscopic studies using cationic dyes. Gallagher BC. **J Embryol Exp Morphol** 1986 Jun;94:189–205
Effects of intraamniotically administered thyroxin on acceleration of fetal pulmonary maturity in preeclamptic toxemia. Veszelovszky I, et al. **J Perinat Med** 1986; 14(4):227–33
Effects of beta-2 agonist on tracheal fluid flow, surfactant and pulmonary mechanics in the fetal lamb. Warburton D, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):394–8
Effects of beta-2 agonist on metabolic regulation in the fetal lamb lung. Warburton D, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):389–93
Fetal lung growth in experimental utero-abdominal pregnancy. Moessinger AC. **Obstet Gynecol** 1986 Nov; 68(5):675–8
Infrequency of pulmonary immaturity in an indigent population with preterm premature rupture of the membranes. Spinnato JA. **Obstet Gynecol** 1987 Jun; 69(6):942–4
Preterm premature rupture of the membranes with fetal pulmonary maturity present: a prospective study. Spinnato JA, et al. **Obstet Gynecol** 1987 Feb;69(2):196–201
Fetal pulmonary maturity and antenatal diagnosis of respiratory distress syndrome. Weiner SA, et al. **Obstet Gynecol Surv** 1987 Feb;42(2):75–81 (44 ref.)
The psychomotor development of full term infants whose mothers were treated with glucocorticosteroids during pregnancy. Levin S, et al. **Padiatr Padol** 1986;21(3):233–9
Human fetal lung changes associated with maternal smoking during pregnancy. Chen MF, et al. **Pediatr Pulmonol** 1987 Jan-Feb;3(1):51–8
Temporal linkage of glycogen and saturated phosphatidylcholine in fetal lung type II cells. Carlson KS, et al. **Pediatr Res** 1987 Jul;22(1):79–82
Beta-adrenergic receptors and cyclic adenosine monophosphate generation in human fetal lung. Davis DJ, et al. **Pediatr Res** 1987 Feb;21(2):142–7
Fetal lung development in male and female nonhuman primates. Perelman RH, et al. **Pediatr Res** 1986 Oct; 20(10):987–91
Alterations of surfactant pools in fetal and newborn rat lungs. Spain CL, et al. **Pediatr Res** 1987 Jan;21(1):5–9
Regulation of pulmonary surfactant apoprotein SP 28–36 gene in fetal human lung. Ballard PL, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9527–31
Hormonal/intercellular control of lung maturation. Smith BT, et al. **Prog Clin Biol Res** 1986;226:141–6 (26 ref.)
Fetal pulmonary development and abnormalities of amniotic fluid volume. Lawrence S, et al. **Semin Perinatol** 1986 Apr; 10(2):142–53 (45 ref.)
[The foam test—a prognostic sign of lung maturity of a preterm fetus] Petrova N, et al. **Akush Ginekol (Sofiia)** 1987; 26(1):32–5 (Eng. Abstr.) **(Bul)**
[The effect of glucocorticoids and other prenatal factors on fetal lung maturity] Melková J, et al. **Cesk Pediatr** 1986 Nov;41(11):658–63 (Eng. Abstr.) **(Cze)**
[Bridging lung failure in the newborn infant. Accelerated morphologic lung maturation in extracorporeal gas exchange] Schmidt S, et al. **Fortschr Med** 1986 Sep 25; 104(36):671–3 (Eng. Abstr.) **(Ger)**
[Induction of fetal lung maturation using ambroxol and betamethasone. Results of an open multicenter study] Wolff F, et al. **Geburtshilfe Frauenheilkd** 1987 Jan;47(1):19–25 (Eng. Abstr.) **(Ger)**
[Enzymatic determination of lecithin concentration in the amniotic fluid for antepartal determination of fetal lung maturity] Lorenz U, et al. **Z Geburtshilfe Perinatol** 1986 Jul-Aug;190(4):141–5 (Eng. Abstr.) **(Ger)**
[Secretory immunoglobulin A (S-IgA) in the amniotic fluid supports the fetal maturity profile] Briese V, et al. **Zentralbl Gynakol** 1987;109(2):112–8 (Eng. Abstr.) **(Ger)**
[Therapeutic prospectives in respiratory distress syndrome and their immuno-endocrinologic correlates] Caramia G, et al. **Minerva Pediatr** 1986 Sep 30;38(17–18):707–11 (Eng. Abstr.) **(Ita)**
[Measurement of the lecithin/sphingomyelin ratio in amniotic fluid: a simple method for the assessment of fetal lung maturity] Hiyeda Y. **Igaku Kenkyu** 1986 Dec;56(3):95–107 (Eng. Abstr.) **(Jpn)**
[Effect of Lasolvan on the maturation of the lungs in rabbit fetuses] Zbisławska P, et al. **Ginekol Pol** 1986 Aug; 57(8):509–13 (Eng. Abstr.) **(Pol)**
[Factors affecting fetal lung maturation. Prevention of respiratory distress syndrome in premature infants] Zajac T. **Wiad Lek** 1986 Jul 1;39(13):926–32 (Eng. Abstr.) **(Pol)**
[Demonstration of a correlation between the optical density and phospholipid concentration of amniotic fluid and the degree of fetal lung maturity] Balika IuD, et al. **Akush Ginekol (Mosk)** 1987 Jan;(1):59–60 **(Rus)**
[Effect of pregnancy and labor pathology on the status of the surfactant system of the fetal and newborn infant lung] Iaroslavskiĭ VK. **Akush Ginekol (Mosk)** 1987 Jan;(1):62–3 **(Rus)**
[Distribution of argyrophilic cells in the lungs of human fetuses] Blinova SA. **Arkh Anat Gistol Embriol** 1987 Apr; 92(4):74–8 (Eng. Abstr.) **(Rus)**
[Characteristics of development of the rat embryonal lung after resection of the maternal lung] Lisatova NG, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):495–8 (Eng. Abstr.) **(Rus)**
[Determination of the functional maturity of the fetal lung on the basis of its echogenicity] Radunović N, et al. **Srp Arh Celok Lek** 1986 May-Jun;114(5–6):515–21 (Eng. Abstr.) **(Scc)**
[Correlation between changes in placental structure and fetal lung maturity in ultrasound examinations] Hodek B, et al. **Jugosl Ginekol Perinatol** 1986 May-Aug;26(3–4):69–71 (Eng. Abstr.) **(Ser)**
[Procoagulant properties of the amniotic fluid III. Thromboplastin acceleration time of the amniotic fluid as an index of fetal maturity in normal pregnancy] Angeles Weintraub CD, et al. **Ginecol Obstet Mex** 1986 Dec; 54:323–8 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

The effect of alpha-difluoromethylornithine on ornithine decarboxylase activity in compensatory growth of mouse lung. Bardócz S, et al. **Acta Biochim Biophys Hung** 1986; 21(1–2):59–65
Michaelis-Menten kinetics of pulmonary endothelial angiotensin converting enzyme in the conscious rabbit. Catravas JD. **Adv Exp Med Biol** 1986;198 Pt A:445–51
Activation by bradykinin and vasoactive intestinal peptide of adenylate cyclase from immunologically sensitized lung membranes. Gadd AL, et al. **Adv Exp Med Biol** 1986;198 Pt A:577–83
The FAD-containing monooxygenase of lung and liver tissue from rabbit, mouse and pig: species and tissue differences. Sabourin PJ, et al. **Adv Exp Med Biol** 1986;197:263–72
Studies on the mechanism of S-cysteine conjugate metabolism and toxicity in rat liver, kidney, and a cell culture model. Stevens JL, et al. **Adv Exp Med Biol** 1986; 197:381–90
Rat testicular angiotensin I converting enzyme: purification and comparison with rat pulmonary enzyme. Yamaguchi T, et al. **Adv Exp Med Biol** 1986;198 Pt A:461–7
Differences in CuZn superoxide dismutase induction in lungs of neonatal and adult rats. Hass MA, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):C66–70
PO2-dexamethasone interactions in fibroblast growth and antioxidant enzyme activity. Randhawa PS, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):C396–400
Endotoxin increases superoxide dismutase in cultured bovine pulmonary endothelial cells. Shiki Y, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):C436–40
Proteolytic activity in sheep lung lymph as marker of lung capillary injury. Lesser M, et al. **Am Rev Respir Dis** 1987 Mar;135(3):643–50
Effects of changes in pulmonary perfusion and surface area on endothelial ACE activity. Pitt BR, et al. **Ann Biomed Eng** 1987;15(2):229–38 (35 ref.)
The kinetic mechanism of acyl-CoA:lysolecithin acyltransferase from rabbit lung. Arche R, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):131–9
Changes in pulmonary calpain activity following treatment of mice with butylated hydroxytoluene. Blumenthal EJ, et al. **Arch Biochem Biophys** 1987 Jul;256(1):19–28
Cilastatin-sensitive dehydropeptidase I enzymes from three sources all catalyze carbapenem hydrolysis and conversion of leukotriene D4 to leukotriene E4. Farrell CA, et al. **Arch Biochem Biophys** 1987 Jul;256(1):253–9
Formation of hydrogen peroxide and N-hydroxylated amines catalyzed by pulmonary flavin-containing monooxygenases in the presence of primary alkylamines. Tynes RE, et al. **Arch Biochem Biophys** 1986 Dec;251(2):654–64
Interaction of lysosomal enzymes and their natural inhibitors in bronchoalveolar lavage fluid and serum in atopic bronchial asthma. Plusa T, et al. **Arch Immunol Ther Exp (Warsz)** 1987;35(1):49–55
The interaction between phosphorothionate insecticides, pneumotoxic trialkyl phosphorothiolates and effects on lung 7-ethoxycoumarin O-deethylase activity. Verschoyle RD, et al. **Arch Toxicol** 1987 Jun;60(4):311–8
Characterization of hepatic and pulmonary cytochromes P-450 in 3-methylcholanthrene-treated hamsters. Watanabe M, et al. **Arch Toxicol** 1987;60(1–3):52–8
Induction of ornithine decarboxylase activity in mouse tissues by phorbol ester is effectively blocked by methylglyoxal bis(butylamidinohydrazone). Hibasami H, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):757–62
Strain-specific postnatal changes in the activity and tissue levels of protein kinase C. Malkinson AM, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):733–9
Translocation of Mg2+-dependent phosphatidate phosphohydrolase between cytosol and endoplasmic reticulum in a permanent cell line from human lung. Walton PA, et al. **Biochem Cell Biol** 1986 Nov;64(11):1135–40
Effect of large doses of ascorbic acid on the hepatic and extra-hepatic drug-metabolizing enzymes in guinea pig. Khanduja KL, et al. **Biochem Int** 1986 Oct;13(4):659–70
Maternal administration of dexamethasone stimulates choline-phosphate cytidylyltransferase in fetal type II cells. Post M. **Biochem J** 1987 Jan 1;241(1):291–6
Glutathione S-transferases of mouse lung. Selective binding of benzo[a]pyrene metabolites by the subunits which are preferentially induced by t-butylated hydroxyanisole. Singh SV, et al. **Biochem J** 1987 Apr 15;243(2):351–8
A high-molecular-mass neutral endopeptidase-24.5 from human lung. Zolfaghari R, et al. **Biochem J** 1987 Jan 1; 241(1):129–35
Phenol sulfotransferase in human lung. Barańczyk-Kuźma A. **Biochem Med Metab Biol** 1986 Feb;35(1):18–30
The role of phospholipase in beta-agonist-induced down regulation in guinea pig lungs. Suzuki K, et al. **Biochem Med Metab Biol** 1987 Apr;37(2):157–66
Quantitation of translatable (Cu2+,Zn2+)superoxide dismutase messenger-RNA in lungs of endotoxin-treated O2-exposed rats. Hass MA, et al. **Biochem Pharmacol** 1987 Jan 15;36(2):298–9
Induction of cytochrome P-448 activity as exemplified by the O-deethylation of ethoxyresorufin. Effects of dose, sex, tissue and animal species. Iwasaki K, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3879–84
Inhibition of rat lung S-adenosylmethionine decarboxylase by N,N'-dimethyl-4,4'-dipyridyl dichloride (paraquat). Minchin RF. **Biochem Pharmacol** 1987 Jan 1;36(1):179–81
Separation of the protective enzyme bleomycin hydrolase from rabbit pulmonary aminopeptidases. Sebti SM, et al. **Biochemistry** 1987 Jan 27;26(2):432–7
Characterization of an endogenous inhibitor of lung 15-hydroxyprostaglandin dehydrogenase. Bergholte JM, et al. **Biochim Biophys Acta** 1986 Nov 14;879(2):164–70
Genetic relationship between lysosomal and lamellar body-specific alpha-glucosidases in human lung. de Vries AC, et al. **Biochim Biophys Acta** 1986 Sep 12;878(2):288–91
The development of glutathione S-transferase and glutathione peroxidase activities in human lung. Fryer AA, et al. **Biochim Biophys Acta** 1986 Oct 1;883(3):448–53
Phosphofructokinase in rat lung during perinatal development: characterization of subunit composition and regulation by fructose 2,6-bisphosphate and glucose 1,6-bisphosphate. Heesbeen EC, et al. **Biochim Biophys Acta** 1987 May 19;924(2):284–91
Profile of phospholipase A2 activity in subcellular fractions and lamellar bodies of developing, neonatal and adult rabbit lung. Correlation with intracellular levels of disaturated phosphatidylcholine. Scott JE, et al. **Biochim Biophys Acta** 1987 Sep 4;921(1):75–81
The localization of cholinephosphotransferase in the outer membrane of guinea-pig lung mitochondria. Sikpi MO, et al. **Biochim Biophys Acta** 1987 May 12;899(1):35–43
Synthesis and hydrolysis of cholesteryl esters by isolated rat-liver lysosomes and cell-free extracts of human lung fibroblasts. Slotte JP, et al. **Biochim Biophys Acta** 1986 Nov 14;879(2):221–8
Ontogeny of fatty acid-activating enzyme in rat liver and lung. Riaz-ul-Haq. **Biol Neonate** 1986;50(3):160–4
The specificity of rabbit lung cathepsin I on biopeptides. Chatterjee R, et al. **Biomed Biochim Acta** 1986; 45(11–12):1447–55
Metabolism of 1,8-cineole in rat: its effects on liver and lung microsomal cytochrome P-450 systems. Madyastha KM, et al. **Bull Environ Contam Toxicol** 1986 Nov;37(5):759–66

Metabolism of arylhydrazines by cytochrome P-450 mixed function oxidases and prostaglandin(H)synthase from mouse lungs. Lawson T. **Cancer Lett** 1987 Feb; 34(2):193–200

Effect of fluoride on Ca2+– and Mg2+–stimulated ATPase in mitochondria of rat lung. Suketa Y, et al. **Chem Pharm Bull (Tokyo)** 1977 May;25(5):1094–7

Enzyme activities of lung lavage in asbestosis. Bégin R, et al. **Clin Biochem** 1986 Aug;19(4):240–3

Pulmonary and testicular angiotensin–converting isoenzymes. Soffer RL, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):229–34 (17 ref.)

Species differences in lung mitochondrial monoamine oxidase activities. Zychlinski L, et al. **Comp Biochem Physiol [C]** 1987;86(2):325–8

Comparison of lysyl oxidase from bovine lung and aorta. Cronlund AL, et al. **Connect Tissue Res** 1986;15(3):173–85

Cytochrome P-450 isozymes 2 and 5 in rabbit lung and liver. Comparisons of structure and inducibility. Parandoosh Z, et al. **Drug Metab Dispos** 1987 Jan–Feb;15(1):59–67

Alkaline phosphatase as a model for studying metal–protein interactions in pulmonary toxicity. Gupta S, et al. **Environ Res** 1987 Jun;43(1):24–30

Neonatal developmental pattern of superoxide dismutase and aniline hydroxylase in rat lung. Kakkar P, et al. **Environ Res** 1986 Oct;41(1):302–8

Subunit composition of glutathione S–transferases of rat lung. Singh SV, et al. **Enzyme** 1986;35(3):127–36

Human lung post–proline endopeptidase: purification and action on vasoactive peptides. Zolfaghari R, et al. **Enzyme** 1986;36(3):165–78

Characterization of dehydropeptidase I in the rat lung. Hirota T, et al. **Eur J Biochem** 1986 Nov 3;160(3):521–5

Evaluation of antileukoprotease in surgical lung specimens. Willems LN, et al. **Eur J Respir Dis** 1986 Oct;69(4):242–7

Free proteolytic activities in bronchoalveolar lavage fluid. Schmidt M, et al. **Eur J Respir Dis [Suppl]** 1986;146:183–8

Effect of acute ozone exposure on the proteinase–antiproteinase balance in the rat lung. Pickrell JA, et al. **Exp Mol Pathol** 1987 Apr;46(2):168–79

Amylase in human lungs and the female genital tract. Histochemical and immunohistochemical localization. Hayashi Y, et al. **Histochemistry** 1986;85(6):491–6

Superoxide dismutase isozymes of rat lung. Kakkar P, et al. **Indian J Biochem Biophys** 1986 Dec;23(6):339–43

Effect of cigarette smoke inhalation on certain pulmonary & hepatic drug metabolizing enzymes in vitamin A deficient rats. Gupta MP, et al. **Indian J Med Res** 1986 Sep;84:301–9

Aryl hydrocarbon hydroxylase in lymphocytes and lung tissue from lung cancer patients and controls. Kärki NT, et al. **Int J Cancer** 1987 May 15;39(5):565–70

Hybridization and partial cDNA sequence analyses of bovine lung angiotensin I–converting enzyme. Deluca–Flaherty C, et al. **Int J Pept Protein Res** 1987 Jun;29(6):678–84

Inhibition of angiotensin–converting enzyme by angiotensin I analogue peptide inhibitors. A kinetic study. Páldi A, et al. **Int J Pept Protein Res** 1987 Jun;29(6):746–54

Effects of dextran–bound inhibitors on carbonic anhydrase activity in isolated rat lungs. Heming TA, et al. **J Appl Physiol** 1986 Nov;61(5):1849–56

Effect of flow and surface area on angiotensin–converting enzyme activity in rabbit lungs. Moalli R, et al. **J Appl Physiol** 1987 May;62(5):2042–50

Correlation of pulmonary ACE activity and capillary surface area during postnatal development. Pitt BR, et al. **J Appl Physiol** 1987 May;62(5):2031–41

Effects of gas composition and pH on kinetics of lung angiotensin–converting enzyme. Rickaby DA, et al. **J Appl Physiol** 1987 Mar;62(3):1216–21

Effects of alveolar pressure on lung angiotensin–converting enzyme function in vivo. Toivonen HJ, et al. **J Appl Physiol** 1986 Sep;61(3):1041–50

Induction of superoxide dismutase isozymes in rabbit lung due to aniline exposure. Kakkar P, et al. **J Appl Toxicol** 1987 Feb;7(1):7–13

Leukotriene A4 hydrolase in the human lung. Inactivation of the enzyme with leukotriene A4 isomers. Ohishi N, et al. **J Biol Chem** 1987 Jul 25;262(21):10200–5

Purification and characterization of bovine lung calmodulin–dependent cyclic nucleotide phosphodiesterase. An enzyme containing calmodulin as a subunit. Sharma RK, et al. **J Biol Chem** 1986 Oct 25; 261(30):14160–6

Effect of zinc and copper deficiency on microsomal NADPH–dependent active oxygen generation in rat lung and liver. Hammermueller JD, et al. **J Nutr** 1987 May; 117(5):894–901

Development of lung antioxidant enzyme system in late gestation: possible implications for the prematurely born infant. Frank L, et al. **J Pediatr** 1987 Jan;110(1):9–14 (50 ref.)

Prenatal development of lung antioxidant enzymes in four species. Frank L, et al. **J Pediatr** 1987 Jan;110(1):106–10

Coal fly ash induces hepatic and pulmonary cytochrome P-450 and sigma–aminolevulinic acid synthetase in rats. Srivastava PK, et al. **J Toxicol Environ Health** 1987; 21(1–2):187–92

Effect of vitamin E on the response of lung antioxidant enzymes in young rats exposed to hyperoxia. Nakamura H, et al. **Kobe J Med Sci** 1987 Apr;33(2):53–63

Reversibility of cholinephosphotransferase in lung microsomes. Tsao FH. **Lipids** 1986 Aug;21(8):498–502

Effects of development and ageing on pulmonary NADPH–cytochrome c reductase, glutathione peroxidase, glutathione reductase and thioredoxin reductase activities in male and female rats. Santa Maria C, et al. **Mech Ageing Dev** 1986–87 Jan;37(3):183–95

Indoleamine N–methyltransferase from rabbit lung. Porta R. **Methods Enzymol** 1987;142:668–74

De novo sn–glycerol–3–phosphorylcholine synthetase activity in lung and muscle and its subcellular location. Infante JP. **Mol Cell Biochem** 1986 Aug;71(2):135–7

Aminopeptidase P from bovine lung: solubilization, properties, and potential role in bradykinin degradation. Orawski AT, et al. **Mol Cell Biochem** 1987 Jun;75(2):123–32

Substrate specificity of the rabbit lung flavin–containing monooxygenase for amines: oxidation products of primary alkylamines. Poulsen LL, et al. **Mol Pharmacol** 1986 Dec; 30(6):680–5

Species–dependent expression and induction of homologues of rabbit cytochrome P-450 isozyme 5 in liver and lung. Vanderslice RR, et al. **Mol Pharmacol** 1987 Apr;31(4):320–5

The lung lysosomal hydrolases and phospholipase A in acute experimental pancreatitis with reference to heparin treatment. Wereszczyńska U, et al. **Pathol Res Pract** 1986 Oct;181(5):576–85

Vitamin K–dependent carboxylation of pulmonary surfactant–associated proteins. Rannels SR, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5952–6

Lung carbonyl reductase in the mouse: biochemical and catalytic properties. Moxon LN, et al. **Prog Clin Biol Res** 1987;232:383–99

Characterization and distribution of a phospholipase A2 activity from adult rabbit lung. Scott JE, et al. **Prostaglandins** 1987 May;33(5):639–49

Effect of dexamethasone on fetal lung 15–hydroxy–prostaglandin dehydrogenase: possible mechanism for the prevention of patent ductus arteriosus by maternal dexamethasone therapy. Tsai MY, et al. **Prostaglandins Leukotrienes Med** 1987 May;27(2–3):237–45

Localization of phenobarbital– and 3–methylcholanthrene–inducible cytochromes P-450 in mouse lung with monoclonal antibodies. Forkert PG, et al. **Res Commun Chem Pathol Pharmacol** 1986 Aug; 53(2):147–57

Lysosomal enzyme pattern in lung lymph and blood during E. coli sepsis in sheep. Andreasson S, et al. **Scand J Clin Lab Invest** 1987 Jun;47(4):355–62

Pulmonary aryl hydrocarbon hydroxylase activity of mice, rats and guinea pigs following long term exposure to mainstream and sidestream cigarette smoke. Gairola CG. **Toxicology** 1987 Aug;45(2):177–84

Glutathione peroxidase and glutathione transferase activity in rat lung and liver following cadmium inhalation. Grose EC, et al. **Toxicology** 1987 May;44(2):171–9

Transplacental effects of carcinogens and non–carcinogens on activities of pyruvate kinase and lactate dehydrogenase as well as isozymic pattern of LDH in mouse lung. Rády P, et al. **Toxicology** 1982;24(3–4):251–7

[Experimental observation on protease–antiprotease balance in rats exposed to hyperoxia] Mao J. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Oct;9(5):293–5, 319 (Eng. Abstr.) **(Chi)**

[Kinin aminopeptidase in lung tissue and activity of kininase II in the serum of patients with silicosis] Szechiński J. **Pol Tyg Lek** 1986 May 12;41(19):635–7 **(Pol)**

[Histochemical studies of acid phosphatase and ATPase in the lungs of animals after a single exposure to ashes from electric power plants] Królikowska–Prasal I, et al. **Rocz Panstw Zakl Hig** 1986;37(4):320–30 (Eng. Abstr.) **(Pol)**

[NADH tetrazolium reductase (E.C. 1.) activity in the lungs of rats exposed to ashes from electric power plants] Królikowska–Prasal I, et al. **Rocz Panstw Zakl Hig** 1986; 37(6):519–26 (Eng. Abstr.) **(Pol)**

[Monoclonal antibodies to the angiotensin–converting enzyme from the human lung] Danilov SM, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):699–701 (Eng. Abstr.) **(Rus)**

[Activity of proteolytic enzymes and their inhibitors in the pulmonary tissue of guinea pigs developing experimental tuberculosis] Zhukova NL, et al. **Probl Tuberk** 1986; (9):54–8 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of the activity of proteolytic enzymes and their inhibitors in the lung tissue of guinea pigs during development of generalized and destructive tuberculosis] Zhukova NL, et al. **Vopr Med Khim** 1986 Sep–Oct;32(5):80–4 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Lung growth of the turkey, Meleagris gallopavo: I. Morphologic and morphometric description. Timmwood KI, et al. **Am J Anat** 1987 Feb;178(2):144–57

Lung growth of the turkey, Meleagris gallopavo: II. Comparison of two genetic lines. Timmwood KI, et al. **Am J Anat** 1987 Feb;178(2):158–69

Proliferation of pulmonary alveolar macrophages during postnatal development of rabbit lungs. Evans MJ, et al. **Am Rev Respir Dis** 1987 Aug;136(2):384–7

Development of the airway epithelium and submucosal glands in the pig lung: changes in epithelial glycoprotein profiles. Mills AN, et al. **Br J Exp Pathol** 1986 Dec; 67(6):821–9

Ontogenetic development of peripheral benzodiazepine binding sites in rat brain, heart and lung. Fares F, et al. **Brain Res** 1987 Apr 7;408(1–2):381–4

Prospective investigations in asthma. What have we learned from longitudinal studies about lung growth and senescence in asthma? Buist AS, et al. **Chest** 1987 Jun;91(6 Suppl):119S–126S (37 ref.)

Cellular events associated with lung branching morphogenesis including the deposition of collagen type IV. Chen JM, et al. **Dev Biol** 1987 Apr;120(2):311–21

Monoclonal antibody identification of a type II alveolar epithelial cell antigen and expression of the antigen during lung development. Funkhouser JD, et al. **Dev Biol** 1987 Jan;119(1):190–8

The effects of preterm delivery and mechanical ventilation on human lung growth. Hislop AA, et al. **Early Hum Dev** 1987 May;15(3):147–64

Quantitative aspects of perinatal lung growth. Wigglesworth JS, et al. **Early Hum Dev** 1987 Jul;15(4):203–12

Ontogenic studies on biogenic amines in heart, lung and adrenal glands of Mastomys natalensis. Pandey SC, et al. **Indian J Biochem Biophys** 1986 Dec;23(6):348–50

Diaphragmatic activity is a determinant of postnatal lung growth. Mansell AL, et al. **J Appl Physiol** 1986 Sep; 61(3):1098–103

Effect of age on lung mechanics and airway reactivity in lambs. Sauder RA, et al. **J Appl Physiol** 1986 Dec; 61(6):2074–80

Effects of maturation and aging on collateral ventilation in sheep. Terry PB, et al. **J Appl Physiol** 1987 Mar; 62(3):1028–32

Role of ornithine decarboxylase and polyamines in early postnatal lung growth. Thet LA, et al. **J Appl Physiol** 1986 Nov;61(5):1661–6

Age–bodyweight relationships to lung growth in the F344 rat as indexed by lung weight measurements. Tillery SI, et al. **Lab Anim** 1986 Jul;20(3):189–94

Effects of adrenalectomy and thyroidectomy on postnatal rat lung development and cytoplasmic factors modulating adenylate cyclase activity. Nijjar MS, et al. **Lung** 1987; 165(2):115–27

Protein deprivation from the neonatal period impairs lung development in the rat. Kalenga M, et al. **Pediatr Res** 1987 Jul;22(1):45–9

Oligohydramnios–induced lung hypoplasia: the influence of timing and duration in gestation. Moessinger AC, et al. **Pediatr Res** 1986 Oct;20(10):951–4

Ontogeny of regulation of gill and lung ventilation in the bullfrog, Rana catesbeiana. Burggren W, et al. **Respir Physiol** 1986 Dec;66(3):279–91

Postnatal development of the lung following denervation. Mortola JP, et al. **Respir Physiol** 1987 Feb;67(2):137–45

The postnatal development and growth of the human lung. II. Morphology. Zeltner TB, et al. **Respir Physiol** 1987 Mar;67(3):269–82

The postnatal development and growth of the human lung. I. Morphometry. Zeltner TB, et al. **Respir Physiol** 1987 Mar;67(3):247–67

Microcorrosion casting of the human respiratory acinus. Dilly SA. **Scan Electron Microsc** 1986;(Pt 3):1095–101

Deficient anatomical capacity for oxygen uptake of the developing lung of the female domestic fowl when compared with the Red Jungle Fowl. Vidyadaran MK, et al. **Schweiz Arch Tierheilkd** 1987 May;129(5):225–37

Physiological changes in pulmonary development related to passive smoking and its interaction with active smoking. Lebowitz MD, et al. **Toxicol Lett** 1987 Jan;35(1):101–5

Biochemical development of the rat lung: studies on cellular DNA, RNA and protein content in relation to maternal vitamin A status. Sharma HS, et al. **Z Ernahrungswiss** 1987 Jun;26(2):116–24

[Effect of the environment on lung growth] Gaultier C. **Rev Mal Respir** 1986;3(5):233–4 (10 ref.) **(Fre)**

IMMUNOLOGY

Pathophysiologic significance of lung granulocytes in human adult respiratory distress syndrome induced by septic or traumatic shock. Modig J, et al. **Acta Chir Scand** 1987 Apr; 153(4):267–71

IgE antibody mediated inflammation of rat lung: histologic and bronchoalveolar lavage assessment. Blythe S, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1246–51

Cimetidine does not impair lung host defense in experimental pneumococcal pneumonia. Esposito AL. **Am Rev Respir Dis** 1987 Aug;136(2):320–4

Effect of the elastase inhibitor, eglin–c, on antibacterial mechanisms in experimental pneumonia. Description of a system to quantitate phagocytic and bactericidal activity of resident murine alveolar macrophages in vivo. Esposito AL, et al. **Am Rev Respir Dis** 1987 Mar;135(3):676–81

The mechanism of appearance of specific antibody–forming cells in lungs of inbred mice after immunization with sheep erythrocytes intratracheally. II. Dose–dependence and kinetics of appearance of antibody–forming cells in hilar lymph nodes and lungs of unprimed and primed mice. Kaltreider HB, et al. **Am Rev Respir Dis** 1987 Jan; 135(1):87–92

Inhibition of acute lung anaphylaxis by aerosolized azelastine in guinea pigs sensitized by three different procedures. Chand N, et al. **Ann Allergy** 1987 May;58(5):344–9

Immunopharmacological actions of the new antiallergic drug 11–oxo–11H–pyrido[2,1–b]quinazoline–2–carboxylic acid. Effects on type I hypersensitivity reactions in human

leukocytes and in human and monkey lungs. Yanagihara Y, et al. **Arzneimittelforschung** 1986 Nov;36(11):1627–31
Specific binding of leukotriene B4 to guinea pig lung membranes. Saad M, et al.
Biochem Biophys Res Commun 1987 Feb 27;143(1):364–71
Gut-associated lymphoid tissue as source of an IgA immune response in respiratory tissues after oral immunization and intrabronchial challenge. Weisz-Carrington P, et al.
Cell Immunol 1987 Apr 15;106(1):132–8
Non-IgE-dependent bacteria-induced histamine release from human lung and tonsillar mast cells. Church MK, et al.
Clin Allergy 1987 Jul;17(4):341–53
Immunoregulation of lung fibroblast growth: alteration in asbestos-induced pulmonary fibrosis. Lemaire I, et al.
Clin Exp Immunol 1986 Oct;66(1):201–8
Interleukin 2 defect in the peripheral blood and the lung in patients with Sjögren's syndrome. Miyasaka N, et al.
Clin Exp Immunol 1986 Sep;65(3):497–505
A comparative study on the release of leukotrienes and histamine by guinea pig lung and trachea after challenge with antigen or stimulation with ionophore A23187 or melittin. Salari H. **Clin Exp Immunol** 1987 Jan;67(1):211–9
Modulation of pulmonary defense mechanisms by acute exposures to nitrogen dioxide. Jakab GJ. **Environ Res** 1987 Feb;42(1):215–28
The effect of SO2 on the clearance of Listeria monocytogenes from the lungs of emphysematous hamsters. Trimpe KL, et al. **Environ Res** 1986 Oct;41(1):351–6
Compartmental analysis of resting and activated pulmonary natural killer cells. Prichard MG, et al. **Exp Lung Res** 1987; 12(3):239–51
Use of bronchoalveolar lavage to compare local pulmonary immunity with the systemic immune response of Toxocara canis-infected mice. Kayes SG, et al. **Infect Immun** 1987 Sep;55(9):2132–6
Airway hyper-reactivity and blood, lung and airway eosinophilia in rats treated with Sephadex particles. Laycock SM, et al. **Int Arch Allergy Appl Immunol** 1986; 81(4):363–7
Interactions between granulocytes and platelets with the guinea-pig lung in passive anaphylactic shock. Correlations with PAF-acether-induced lesion. Lellouch-Tubiana A, et al. **Int Arch Allergy Appl Immunol** 1987;83(2):198–205
Natural killer cells in lungs and other tissues and regulation of their activity by suppressor cells. Herberman RB.
J Allergy Clin Immunol 1986 Oct;78(4 Pt 1):566–70
Lung immunology and its contribution to the immunopathogenesis of certain respiratory diseases. Reynolds HY. **J Allergy Clin Immunol** 1986 Nov;78(5 Pt 1):833–47 (67 ref.)
John M. Sheldon lecture. Host-defense mechanisms responsible for lung injury. Ward PA.
J Allergy Clin Immunol 1986 Sep;78(3 Pt 1):373–8
Late pulmonary responses induced by Ascaris allergen in conscious squirrel monkeys. Hamel R, et al.
J Appl Physiol 1986 Dec;61(6):2081–7
Lectin binding to the luminal surface of bronchiolar neuroepithelial bodies of Balb/C mouse. Ito T, et al.
J Electron Microsc (Tokyo) 1987;36(1–2):26–35
Identification of plasma cells in lung alveoli and interstitial tissues after localized lung immunization. Bice DE, et al.
J Leukocyte Biol 1987 Jan;41(1):1–7
Role of pulmonary macrophages in resistance to experimental metastasis. Jackson RA, et al. **J Leukocyte Biol** 1986 Nov; 40(5):575–87
Effect of alkylating agents on the clearance of Staphylococcus aureus from murine lungs. Nugent KM, et al. **J Leukocyte Biol** 1987 Jan;41(1):78–82
Presence of apocrine epithelial antigen (AEA) in type II pneumocytes and in hyaline membranes of neonatal RDS. Forsman LM, et al. **J Pathol** 1986 Dec;150(4):289–94
Active synthesis of hemagglutinin-specific immunoglobulin A by lung cells of mice that were immunized intragastrically with inactivated influenza virus vaccine. Chen KS, et al. **J Virol** 1987 Jul;61(7):2150–4
Influenza virus-specific antibody-secreting cells in the murine lung during primary influenza virus infection. Jones PD, et al. **J Virol** 1986 Nov;60(2):614–9
Sarcoid and cytotoxic lung antibodies. Ende N, et al.
Life Sci 1986 Dec 22;39(25):2435–40
Subpopulations of T cells in lung biopsies from patients with pigeon breeder's disease. Barrios R, et al. **Lung** 1987; 165(3):181–7
Responses of human airways to inhaled chemicals. Patterson R, et al. **New Engl Reg Allergy Proc** 1985 Summer; 6(3):238–40
Complement activation in cystic fibrosis respiratory fluids: in vivo and in vitro generation of C5a and chemotactic activity. Fick RB Jr, et al. **Pediatr Res** 1986 Dec; 20(12):1258–68
Bronchoalveolar lavage of the live anaesthetised sheep. Burrells C, et al. **Res Vet Sci** 1987 Jan;42(1):109–12
Monoclonal antibodies against ovine IgA purified from lung lavage fluid. Chin JC, et al. **Res Vet Sci** 1986 Jul;41(1):102–7
Lung-reactive antibodies in sera of patients with farmer's lung disease. Dewair M, et al. **Respiration** 1987; 51(2):146–54
Determination of T lymphocyte subpopulations in patients with lung cancer. A comparison between lung lavage and peripheral blood by monoclonal antibodies and flow cytometry. Fracchia A, et al. **Respiration** 1987;51(3):161–9
Mechanisms of antigen-induced reactions in skin and lung. Gold WM. **Respiration** 1986;50 Suppl 2:42–56
Host defense mechanisms against pneumonia due to Pseudomonas aeruginosa. Pennington JE, et al.
Rev Infect Dis 1984 Sep-Oct;6 Suppl 3:S657–66
Flow cytometric analysis of lymphocyte subsets in the bronchoalveolar lavage fluid and peripheral blood of healthy volunteers. Yamada M, et al. **Scand J Immunol** 1986 Nov;24(5):559–65
Immunopathologic effects of nickel subsulfide on the primate pulmonary immune system. Haley PJ, et al.
Toxicol Appl Pharmacol 1987 Mar 30;88(1):1–12
Relationship between cytologic changes in bronchoalveolar lavage fluid and weight gain in calves with gastrointestinal nematodes and lungworms. Boon JH, et al.
Vet Parasitol 1987 May;24(3–4):251–61
[Natural killer cells of the lung] Escudier E, et al.
Rev Pneumol Clin 1987;43(3):117–20 (Eng. Abstr.) **(Fre)**
[Clinical study of complement activation during cardiopulmonary bypass—analyses of complement activation pathway and transpulmonary leukosequestration] Miyamoto Y. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Dec; 34(12):2055–61 (Eng. Abstr.) **(Jpn)**
[Macrophage activation in the immune response] Aznaurian AV, et al. **Arkh Anat Gistol Embriol** 1986 Dec;91(12):71–8 (Eng. Abstr.) **(Rus)**
[Unmasking of one of the prekeratin antigenic determinants with molecular weight of 40 kD in the developing epithelium of the rat lung] Troianovskii SM, et al.
Dokl Akad Nauk SSSR 1987;292(4):1000–2 **(Rus)**
[Role of bronchopulmonary nonspecific immunity in selecting the therapeutic tactics for bronchial asthma patients] Babichev SI, et al. **Khirurgiia (Mosk)** 1986 Oct; (10):82–9 (Eng. Abstr.) **(Rus)**
[Immunomorphologic changes in idiopathic fibrosing alveolitis] Dvorakovskaia IV, et al. **Klin Med (Mosk)** 1987 Mar;65(3):76–9 (Eng. Abstr.) **(Rus)**
[Features of changes in various indices of immune reactivity and fibrinolysis in chronic bronchitis patients] Khrenov AA, et al. **Vrach Delo** 1987 Jan;(1):83–5 (Eng. Abstr.) **(Rus)**
[Comparative evaluation of the diagnostic effectiveness of staphylococcal allergens of different manufacture in bronchospastic reactions of sensitized lungs] Shamsutdinova GS, et al.
Zh Mikrobiol Epidemiol Immunobiol 1986 Aug;(8):85–8 (Eng. Abstr.) **(Rus)**

INJURIES

Effect of vehicular volume on the early pulmonary injury and inflammatory response in rats inoculated intratracheally with silica. Lopez A, et al.
Am J Vet Res 1987 Aug;48(8):1282–5
Pulmonary barotrauma [letter] Bruch FR Jr.
Ann Emerg Med 1986 Nov;15(11):1373–5
Isolation and properties of a capillary injury-related protease from lung lymph. Orlowski M, et al.
Arch Biochem Biophys 1987 Apr;254(1):156–69
Pulmonary barotrauma in divers and the treatment of cerebral arterial gas embolism. Leitch DR, et al.
Aviat Space Environ Med 1986 Oct;57(10 Pt 1):931–8
Recurrent pulmonary barotrauma. Leitch DR, et al.
Aviat Space Environ Med 1986 Nov;57(11):1039–43
Dynamic changes of lung lymph flow and the release of lysosomal enzyme from the lungs after severe steam inhalation injury in goats. Wang CZ, et al.
Burns Incl Therm Inj 1986 Aug;12(6):415–21
Barotrauma. Pathophysiology, risk factors, and prevention. Haake R, et al. **Chest** 1987 Apr;91(4):608–13 (61 ref.)
Airway pressure release ventilation: a new concept in ventilatory support [editorial] Downs JB, et al.
Crit Care Med 1987 May;15(5):459–61
The effect of hyperinflation, inspiratory hold, and oxygenation on cardiopulmonary status during suctioning in a lung-injured model [letter] Byram D, et al.
Heart Lung 1986 Nov;15(6):649–51
Multiple pulmonary missile emboli. Buckels JA, et al.
Injury 1986 Mar;17(2):129–30
Pneumoperitoneum as a sign of pulmonary barotrauma during artificial ventilation [letter] du Plessis HJ, et al.
Intensive Care Med 1987;13(3):213
Comparison of labeled propanediol and urea as markers of lung vascular injury. Harris TR, et al. **J Appl Physiol** 1987 May;62(5):1852–9
Acute increases in anastomotic bronchial systemic to pulmonary blood flow due to generalized lung injury. Lakshminarayan S, et al. **J Appl Physiol** 1987 Jun; 62(6):2358–61
Effect of cyclooxygenase inhibition on ethchlorvynol-induced acute lung injury in dogs. Sprague RS, et al. **J Appl Physiol** 1986 Sep;61(3):1058–64
Pulmonary barotrauma in congenital diaphragmatic hernia: experimental study in lambs. de Luca U, et al.
J Pediatr Surg 1987 Apr;22(4):311–6
Lung alterations in thoracic trauma. Greene R.
J Thorac Imaging 1987 Jul;2(3):1–11
Transvaginal injury of the duodenum, diaphragm, and lung. Grindlinger GA, et al. **J Trauma** 1987 May;27(5):575–6
Thrombin-induced endothelial injury. Malik AB.
Semin Thromb Hemost 1986 Jul;12(3):184–96 (71 ref.)
Biological effects of shock waves: lung hemorrhage by shock waves in dogs—pressure dependence. Delius M, et al.
Ultrasound Med Biol 1987 Feb;13(2):61–7
[Pulmonary contusions] Zhang ZB, et al.
Chung Hua Wai Ko Tsa Chih 1986 Aug;24(8):484–5, 510 (Eng. Abstr.) **(Chi)**
[2 case reports of pulmonary blast injuries] Martin N, et al.
Cah Anesthesiol 1987 Mar-Apr;35(2):133–7 **(Fre)**
[Diffuse pulmonary contusion] Ribet M, et al.
Presse Med 1987 Apr 4;16(12):578–81 (Eng. Abstr.) **(Fre)**
[Use of the double-lumen tracheostomy tube (Tracheopart) in bronchial stump insufficiency in long-term artificial respiration. Case report] Rommelsheim K.
Anasth Intensivther Notfallmed 1986 Oct;21(5):270–2 (Eng. Abstr.) **(Ger)**
[Computed tomography of lung contusion. An experimental study] Schild H, et al. **ROFO** 1986 Nov;145(5):519–26 (Eng. Abstr.) **(Ger)**
[Early diagnosis of lung contusion by bronchoscopy] Joka T, et al. **Unfallchirurg** 1987 Jun;90(6):286–91 (Eng. Abstr.) **(Ger)**
[Bronchoscopy of lung contusion in severe thoracic trauma] Regel G, et al. **Unfallchirurg** 1987 Jan;90(1):20–6 (Eng. Abstr.) **(Ger)**
[Experimental and clinical study on pulmonary contusions. II. Early diagnosis of pulmonary contusion due to blunt chest injuries and therapy] Asai N.
Bull Chest Dis Res Inst Kyoto Univ 1980 Mar;13(1–2):58–73 (Eng. Abstr.) **(Jpn)**
[Experimental and clinical study on pulmonary contusions. I. Physiopathology of pulmonary contusion in the early stage and pathological changes] Asai N.
Bull Chest Dis Res Inst Kyoto Univ 1980 Mar;13(1–2):44–58 **(Jpn)**
[Clinical study of traumatic lung injury] Shirakusa T, et al.
Kyobu Geka 1987 Jun;40(7):525–30 (Eng. Abstr.) **(Jpn)**
[Extravascular water in burned lungs of experimental animals after treatment with dobutamine] Jastrzebski J, et al.
Pol Tyg Lek 1986 Dec 8;41(49):1546–8 (Eng. Abstr.) **(Pol)**
[Pneumothorax in divers as a complication of pulmonary barotrauma with an atypical course] Krzyżak J.
Pol Tyg Lek 1986 May 12;41(19):632–4 (Eng. Abstr.) **(Pol)**
[Effect of pulmonary lipid peroxidation on the development of arterial hypoxemia in rats in the early posttraumatic period] Kulitskaia VI, et al. **Biull Eksp Biol Med** 1987 Aug; 104(8):157–60 (Eng. Abstr.) **(Rus)**
[External respiratory function and the condition of the surfactant in experimental contusion of the lung] Bisenkov LN, et al. **Grudn Khir** 1987 Jan-Feb;(1):60–3 (Eng. Abstr.) **(Rus)**
[Closed chest injuries] Astafurov VN, et al. **Sov Med** 1986; (11):107–10 **(Rus)**
[X-ray study of the fixed isolated lung in stab wounds] Lisaev PI. **Sud Med Ekspert** 1987 Apr-Jun;30(2):18–9 (Eng. Abstr.) **(Rus)**
[Analgesia with epidural morphine in chest injuries (letter)] Martínez-Bourio R, et al. **Rev Esp Anestesiol Reanim** 1986 Nov-Dec;33(6):455 **(Spa)**

INNERVATION

Pulmonary depressor reflex elicited by capsaicin in conscious intact and lung-denervated dogs. Clifford PS, et al.
Am J Physiol 1987 Feb;252(2 Pt 2):R394–7
Neural control of human airways in health and disease. Barnes PJ. **Am Rev Respir Dis** 1986 Dec;134(6):1289–314 (388 ref.)
Nervous receptors of the tracheobronchial tree. Sant'Ambrogio G. **Annu Rev Physiol** 1987;49:611–27 (107 ref.)
High-frequency and medium-frequency components of different inspiratory nerve discharges and their modification by various inputs. Cohen MI, et al.
Brain Res 1987 Aug 4;417(1):148–52
Discharge properties of dorsal medullary inspiratory neurons in newborn pigs. Sica AL, et al. **Brain Res** 1987 Apr 7; 408(1–2):222–6
Effect of various vagotomy procedures on the reaction to hypoxia of rabbit neuroepithelial bodies: modulation by intrapulmonary axon reflexes? Lauweryns JM, et al.
Exp Lung Res 1986;11(4):319–39
Inhibition of skeletal muscle activity by lung expansion in the dog. Coast JR, et al. **J Appl Physiol** 1987 May; 62(5):2058–65
Effect of expiratory loading on expiratory duration and pulmonary stretch receptor discharge. Davenport PW, et al. **J Appl Physiol** 1986 Nov;61(5):1857–63
Role of carotid chemoreceptors and pulmonary vagal afferents during helium-oxygen breathing in ponies. Pan LG, et al. **J Appl Physiol** 1987 Mar;62(3):1020–7
Pancuronium and gallamine are antagonists for pre- and post-junctional muscarinic receptors in the guinea-pig lung. Fryer AD, et al.
Naunyn Schmiedebergs Arch Pharmacol 1987 Apr; 335(4):367–71
Brainstem integration of cardiovascular and pulmonary afferent activity. Jordan D, et al. **Prog Brain Res** 1986; 67:295–314
Sodium bicarbonate infusion increases discharge frequency of intrapulmonary chemoreceptors only at high CO2. Adamson TP, et al. **Respir Physiol** 1986 Oct;66(1):83–93
[Receptors in the respiratory tract and their reflex effects] Arita H. **Kokyu To Junkan** 1986 Oct;34(10):1020–33 (51

ref.) (Jpn)
[Preliminary research on the presence of purinergic fibers in the lung, heart and brain] Dobrescu G, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jul-Sep;90(3):499-501 (Eng. Abstr.) (Rum)

METABOLISM

Identification of intratissue sites for xenobiotic activation and detoxication. Baron J, et al. **Adv Exp Med Biol** 1986; 197:119-44

Activation of nitrosamines to mutagens by rat and rabbit nasal, lung and liver S-9 homogenates. Dahl AR. **Adv Exp Med Biol** 1986;197:367-72

Tissue distribution and covalent binding of [14C]1,1-dichloroethylene in mice: in vivo and in vitro studies. Okine LK, et al. **Adv Exp Med Biol** 1986; 197:903-10

Epoxidation of 1,3-butadiene in liver and lung tissue of mouse, rat, monkey and man. Schmidt U, et al. **Adv Exp Med Biol** 1986;197:951-7

Toxicologic implications of the iron-dependent activation of bleomycin A2 by mouse lung microsomes. Truah MA, et al. **Adv Exp Med Biol** 1986;197:291-300

Structure of the adduct of glutathione and activated 3-methylindole. Yost GS, et al. **Adv Exp Med Biol** 1986; 197:373-80

Stimulus-dependence and time-course of histamine and leukotriene release from chopped and dispersed human lung tissue. Sydbom A, et al. **Agents Actions** 1987 Apr; 20(3-4):198-201

Oxidation of ethanol to acetaldehyde by bronchopulmonary washings: role of bacteria. Miyakawa H, et al. **Alcoholism (NY)** 1986 Oct;10(5):517-20

The glucocorticosteroid, budesonide, partially blocks histamine release from human lung tissue in vitro. Bergstrand H, et al. **Allergy** 1986 Jul;41(5):319-26

Nebulization and selective deposition of LTD4 in human lungs. Bisgaard H, et al. **Allergy** 1987 Jul;42(5):336-42

Pulmonary clearance and toxicity of respirable gallium arsenide particulates intratracheally instilled into rats. Webb DR, et al. **Am Ind Hyg Assoc J** 1987 Jul;48(7):660-7

Endothelial extraction of tracer water varies with extravascular water in dog lungs. Chinard FP, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):H340-8

Control of atrial natriuretic factor release from a rat heart-lung preparation. Dietz JR. **Am J Physiol** 1987 Mar; 252(3 Pt 2):R498-502

Uptake of exogenous spermidine by rat lungs perfused in situ. Ranneis DE, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):E96-101

Endotoxin alters arachidonate metabolism in pulmonary endothelial cells. Suttorp N, et al. **Am J Physiol** 1987 Sep; 253(3 Pt 1):C384-90

Increased pulmonary transvascular protein flux after canine cardiopulmonary bypass. Association with lung neutrophil sequestration and tissue peroxidation. Braude S, et al. **Am Rev Respir Dis** 1986 Nov;134(5):867-72

Conference summary: lipid mediators in the pulmonary circulation. Brigham KL. **Am Rev Respir Dis** 1987 Sep; 136(3):785-8

Modulation of the effects of alveolar macrophages on lung fibroblast collagen production rate. Clark JG, et al. **Am Rev Respir Dis** 1987 Jan;135(1):52-6

Pulmonary epithelial clearance of 99mTc-DTPA after thrombin-induced pulmonary microembolism. Cooper JA, et al. **Am Rev Respir Dis** 1986 Oct;134(4):734-8

Synthesis of collagenous proteins by pulmonary type II epithelial cells. Crouch EC, et al. **Am Rev Respir Dis** 1987 May;135(5):1118-23

Deposition and cross-linking of newly synthesized type IV procollagen in lung matrix. Crouch EC, et al. **Am Rev Respir Dis** 1987 Aug;136(2):281-7

Selective enhancement of pentamidine uptake in the lung by aerosolization and delivery in liposomes. Debs RJ, et al. **Am Rev Respir Dis** 1987 Mar;135(3):731-7

Release of vasoactive substances from guinea pig isolated lungs perfused via the trachea. de Nucci G, et al. **Am Rev Respir Dis** 1987 Jun;135(6 Pt 2):S39-41

Reabsorption of solutes and water from fluid-filled rabbit lungs. Effros RM, et al. **Am Rev Respir Dis** 1987 Sep; 136(3):669-76

A comparison of the osmotic activation of basophils and human lung mast cells. Eggleston PA, et al. **Am Rev Respir Dis** 1987 May;135(5):1043-8

A prospective study of lung water measurements during patient management in an intensive care unit. Eisenberg PR, et al. **Am Rev Respir Dis** 1987 Sep;136(3):662-8

Depressed prostaglandin E1 and 5-hydroxytryptamine removal in patients with adult respiratory distress syndrome. Gillis CN, et al. **Am Rev Respir Dis** 1986 Oct; 134(4):739-44

Fast solubilization of human lung elastin by Pseudomonas aeruginosa elastase. Hamdaoui A, et al. **Am Rev Respir Dis** 1987 Apr;135(4):860-3

Eicosanoids and lung inflammation. Henderson WR Jr. **Am Rev Respir Dis** 1987 May;135(5):1176-85 (190 ref.)

Production of a growth factor(s) by fibroblasts from the lungs of ventilated premature baboons and oxygen-exposed adult hamsters. Jones MB, et al. **Am Rev Respir Dis** 1987 May; 135(5):997-1001

Transpulmonary angiotensin II formation in patients with chronic stable cor pulmonale. Neilly JB, et al. **Am Rev Respir Dis** 1987 Apr;135(4):891-5

Uptake of low density lipoproteins by the hamster lung. Interactions with capillary endothelium. Nistor A, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1266-72

Biosynthesis of interstitial and basement membrane collagens in pulmonary fibrosis. Quinones F, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1163-71

Immunohistochemical localization of histamine-stimulated increases in cyclic GMP in guinea pig lung. Sertl K, et al. **Am Rev Respir Dis** 1987 Feb;135(2):456-62

Mass spectrometric analysis of 5-hydroxyeicosatetraenoic acid (5-HETE) in the perfusate of the isolated rat lung. Strife RJ, et al. **Am Rev Respir Dis** 1987 Jun;135(6 Pt 2):S18-21

Reduced oxygen tension induces pulmonary endothelium to release a pulmonary smooth muscle cell mitogen(s). Vender RL, et al. **Am Rev Respir Dis** 1987 Mar;135(3):622-7

Chemiluminescence of lung macrophages and blood leukocytes in sarcoidosis [letter] Wallaert B, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1333-4

Comparison of alpha-1-antitrypsin levels and antineutrophil elastase capacity of blood and lung in a patient with the alpha-1-antitrypsin phenotype null-null before and during alpha-1-antitrypsin augmentation therapy. Wewers MD, et al. **Am Rev Respir Dis** 1987 Mar;135(3):539-43

Lung water during the puerperium. MacLennan FM, et al. **Anaesthesia** 1987 Feb;42(2):141-7

Immunohistochemical localization of the secretory products of rat Clara cells. Manabe T, et al. **Anat Rec** 1987 Feb; 217(2):164-71

Bioengineering in the lung: transport, fluid balance and endothelial function. Selected papers from the Biomedical Engineering Society 1986 symposium. April 13-18, St. Louis, Missouri. **Ann Biomed Eng** 1987;15(2):113-238

Kinetics of serotonin uptake in the intact lung. Dawson CA, et al. **Ann Biomed Eng** 1987;15(2):217-27

Measurement of endothelial metabolic functions in vivo. Gillis CN. **Ann Biomed Eng** 1987;15(2):183-8 (34 ref.)

Pulmonary interstitial resistance. Lai-Fook SJ, et al. **Ann Biomed Eng** 1987;15(2):173-82 (55 ref.)

Kinetics of uptake and metabolism by endothelial cell from indicator dilution data. Linehan JH, et al. **Ann Biomed Eng** 1987;15(2):201-15

Distribution of transvascular pathway sizes through the pulmonary microvascular barrier. McNamee JE. **Ann Biomed Eng** 1987;15(2):139-55 (16 ref.)

Interstitial distribution of charged macromolecules in the dog lung: a kinetic model. Parker JC, et al. **Ann Biomed Eng** 1987;15(2):157-72

Models of lung transvascular fluid and protein transport. Roselli RJ, et al. **Ann Biomed Eng** 1987;15(2):127-38

Lung liquid and protein exchange: the four inhomogeneities. Staub NC. **Ann Biomed Eng** 1987;15(2):115-26 (50 ref.)

Neuropeptides and the immune system. Substance P receptors in bronchus-associated lymphoid tissue of rat. Wiedermann CJ, et al. **Ann NY Acad Sci** 1987;496:205-10

Entry of five antifungal agents into the ovine lung. Hoeprich PD, et al. **Antimicrob Agents Chemother** 1987 Aug; 31(8):1234-7

Influence of vitamin E on polyamine metabolism in ozone-exposed rat lungs. Elsayed NM. **Arch Biochem Biophys** 1987 Jun;255(2):392-9

Source and function of keto elaidic acids from lungs of cotton workers. Lynn WS, et al. **Arch Environ Health** 1986 Jul-Aug;41(4):197-207

Comparison of benzo(a)pyrene metabolism in isolated perfused rat lung and liver. Mollière M, et al. **Arch Toxicol** 1987 Jun;60(4):270-7

Collagen synthesis in rats with silica-induced pulmonary fibrosis. Poole A. **Arch Toxicol [Suppl]** 1987;11:285-7

Effects of MY-1250, a main active metabolite of MY-5116, a new anti-allergic agent, on the release of mediators from guinea pig lung fragments. Takahashi K, et al. **Arerugi** 1986 Sep;35(9):982-7

Effects of experimental acute pancreatitis in dogs on metabolism of lung surfactant phosphatidylcholine. Das SK, et al. **Biochem Biophys Res Commun** 1987 May 29; 145(1):612-8

Decreased incorporation of the photoaffinity probe 8N3-[gamma-32P]-GTP into a 45kD protein in lung tumors. Droms KA, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):591-7

Evidence for lactate utilization for fetal lung glycogen synthesis. Engle MJ, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):397-401

Amino-terminal sequence of a phospholipid transfer protein from rat lung. Funkhouser JD. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1310-4

Evidence for the existence of three chick lung tropoelastins. Rich CB, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1291-5

Removal of atrial natriuretic peptide by perfused rabbit lungs in situ. Turrin M, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):868-73

The effect of vasoactive intestinal peptide and calcitonin gene-related peptide on peptidoleukotriene release from platelet activating factor stimulated rat lungs and ionophore stimulated guinea pig lungs. Di Marzo V, et al. **Biochem Int** 1986 Dec;13(6):933-42

The relationship between intra- and extra-cellular surfactant phospholipids in the lungs of rabbits and the effects of silica-induced lung injury. Dethloff LA, et al. **Biochem J** 1986 Oct 1;239(1):59-67

Pre- and post-natal growth and protein turnover in the lung of the rat. Goldspink DF. **Biochem J** 1987 Feb 15; 242(1):275-9

Post-translational modification of the major human surfactant-associated proteins. Phelps DS, et al. **Biochem J** 1986 Jul 15;237(2):373-7

Phosphatidylglycerol of rat lung. Intracellular sites of formation de novo and acyl species pattern in mitochondria, microsomes and surfactant. Schlame M, et al. **Biochem J** 1986 Nov 15;240(1):247-52

[3H]dipyridamole binding to nucleoside transporters from guinea-pig and rat lung. Shi MM, et al. **Biochem J** 1986 Dec 15;240(3):879-83

Altered lipid synthesis in type II pneumonocytes exposed to lung surfactant. Thakur NR, et al. **Biochem J** 1986 Dec 15;240(3):679-90

Oxidation and chemical modification of lung beta-galactoside-specific lectin. Whitney PL, et al. **Biochem J** 1986 Sep 15;238(3):683-9

A molecular marker for fibrotic collagen in lungs of infants with respiratory distress syndrome. Reiser KM, et al. **Biochem Med Metab Biol** 1987 Feb;37(1):16-21

(-)[125I]pindolol binding to human peripheral lung beta-receptors. Casale TB, et al. **Biochem Pharmacol** 1987 Aug 1;36(15):2557-64

Glutathione turnover in perfused rabbit lung. Effect of external glutathione. Joshi UM, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3409-12

Deglycosylated mammalian beta 2-adrenergic receptors are still able to undergo functional coupling to Ns. Severne Y, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4375-80

Rat lung and liver microsomal cytochrome P-450 isozymes involved in the hydroxylation of n-hexane. Toftgård R, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3733-8

Specific polyclonal and monoclonal antibody prevents paraquat accumulation into rat lung slices. Wright AF, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1325-31

Glycerol 3-phosphate acylation in microsomes of type II cells isolated from adult rat lung. Batenburg JJ, et al. **Biochim Biophys Acta** 1986 Oct 3;878(3):301-9

Collagen-binding proteins secreted by type II pneumocytes in culture. Crouch E, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):81-6

Palmitate and glucose oxidation by fetal type II pneumocytes. Engle MJ, et al. **Biochim Biophys Acta** 1987 Feb 20; 923(2):323-5

Fetal lung surfactant lipid synthesis from glycogen during organ culture. Farrell PM, et al. **Biochim Biophys Acta** 1986 Sep 12;878(2):159-67

Metabolism of prostaglandin D2 in isolated rat lung: the stereospecific formation of 9 alpha,11 beta-prostaglandin F2 from prostaglandin D2. Hayashi H, et al. **Biochim Biophys Acta** 1987 Feb 23;917(3):356-64

Metabolism and function of platelet-activating factor in fetal rabbit lung development [published erratum appears in Biochim Biophys Acta 1987 Jun 23;919(3):311] Hoffman DR, et al. **Biochim Biophys Acta** 1986 Oct 24;879(1):88-96

Metabolism of platelet-activating factor (alkylacetylphosphocholine) by type-II epithelial cells and fibroblasts from rat lungs. Kumar R, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):33-41

Phospholipid-protein interactions in rat lung lamellar bodies. Nijssen JG, et al. **Biochim Biophys Acta** 1987 Jan 13; 917(1):140-7

Uptake, efflux and metabolism of the polyamine putrescine in rabbit lung slices. Saunders NA, et al. **Biochim Biophys Acta** 1987 Feb 18;927(2):170-6

Alveolar pre-type II cells from the fetal rabbit lung: effect of confluence on the production of disaturated phosphatidylcholine. Scott JE, et al. **Biochim Biophys Acta** 1986 Dec 5;879(3):292-300

Altered phospholipid biosynthesis in type II pneumocytes isolated from streptozotocin-diabetic rats. Uhal BD, et al. **Biochim Biophys Acta** 1986 Sep 12;878(2):266-72

Influence of tumor promoter on binding and release of fibronectin added to human lung fibroblasts [published erratum appears in Biochim Biophys Acta 1987 Jul 6;929(2):229] Zerlauth G, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):402-5

Dissolution of stainless steel welding fumes in the rat lung: an x ray microanalytical study. Anttila S. **Br J Ind Med** 1986 Sep;43(9):592-6

Pulmonary absorption and elimination of ethylene glycol monoethyl ether acetate in man. Groeseneken D, et al. **Br J Ind Med** 1987 May;44(5):309-16

Enhanced lipid peroxidation and lysosomal enzyme activity in the lungs of rats with prolonged pulmonary deposition of crocidolite asbestos. Jajte J, et al. **Br J Ind Med** 1987 Mar;44(3):180-6

Partial purification of a parasympathetic neurotrophic factor in pig lung. Wallace TL, et al. **Brain Res** 1987 May 19; 411(2):351-63

Immunohistological localization of immunoglobulins in pneumocystosis of adults. Merlier JF, et al. **Bull Eur Physiopathol Respir** 1987 Jan-Feb;23(1):43-9

Positive end-expiratory pressure increases pulmonary clearance of inhaled 99mTc-DTPA in nonsmokers but not in healthy smokers. Nolop KB, et al. **Bull Eur Physiopathol Respir** 1987 Jan-Feb;23(1):57-60

Chemical carcinogenesis and toxicity models: matching complexity to objectives. Menzel DB, et al.

Bull Math Biol 1986;48(3–4):293–307

Brain surface exposure to CO2 and NdYag laser application: effect on pulmonary endothelium response in the rat. Brizio-Molteni L, et al. **Burns Incl Therm Inj** 1987 Feb; 13(1):22–5

Early detection of extravascular lung water in an inhalation injury animal model [published erratum appears in Burns Incl Therm Inj 1987 Feb;13(1):82] Stewart RJ, et al. **Burns Incl Therm Inj** 1986 Oct;12(7):457–60

Effects of dietary zinc and copper on free radical production in rat lung and liver. Kubow S, et al. **Can J Physiol Pharmacol** 1986 Oct;64(10):1281–5

Use of elevated pressure to promote the difference in permeability of Adriamycin and hematoporphyrin between neoplastic and normal lung cells. Brody SS, et al. **Cancer Biochem Biophys** 1987 May;9(2):133–7

Benzo(a)pyrene diol epoxide-I-DNA adduct formation in the epidermis and lung of SENCAR mice following topical application of crude coal tar. Mukhtar H, et al. **Cancer Lett** 1986 Dec;33(3):287–94

Covalent binding of benzo[a]pyrene to macromolecules in lung and liver of rats following intratracheal instillation. Weyand EH, et al. **Cancer Lett** 1987 Aug;36(2):149–59

Cell selective alkylation of DNA in rat lung following low dose exposure to the tobacco specific carcinogen 4-(N-methyl-N-nitrosamino)-1-(3-pyridyl)-1-butanone. Belinsky SA, et al. **Cancer Res** 1987 Feb 15;47(4):1143–8

Inhibition of polycyclic aromatic hydrocarbon-DNA adduct formation in epidermis and lungs of SENCAR mice by naturally occurring plant phenols. Das M, et al. **Cancer Res** 1987 Feb 1;47(3):767–73

Pulmonary metabolism of mutagens and its relationship with lung cancer and smoking habits. De Flora S, et al. **Cancer Res** 1987 Sep 1;47(17):4740–5

Immunological identification and effects of 3-methylcholanthrene and phenobarbital on rat pulmonary cytochrome P-450. Keith IM, et al. **Cancer Res** 1987 Apr 1;47(7):1878–82

Degradation of basement membrane type IV collagen and lung subendothelial matrix by rat mammary adenocarcinoma cell clones of differing metastatic potentials. Nakajima M, et al. **Cancer Res** 1987 Sep 15; 47(18):4869–76

Selenium level and glutathione-dependent enzyme activities in normal and neoplastic human lung tissues. Di Ilio C, et al. **Carcinogenesis** 1987 Feb;8(2):281–4

Dibenz [a,j]acridine: distributions of metabolites formed by liver and lung microsomes from control and pretreated rats. Gill JH, et al. **Carcinogenesis** 1987 Mar;8(3):425–31

Regulation of lung water content and distribution: theoretical concepts, experimental data and methods of determination. Cutillo AG. **Cardiologia** 1985 Oct;30(10):935–40

Effects of inducers on the regio- and stereoselective metabolism of benzo[a]pyrene by mouse tissue microsomes. Hall M, et al. **Chem Biol Interact** 1986 Oct 1;59(3):265–80

o,p'-DDD in the mouse lung: selective uptake, covalent binding and effect on drug metabolism. Lund BO, et al. **Chem Biol Interact** 1986 Nov;60(2):129–41

Age and cardiac surgery. Influence on extravascular lung water. Boldt J, et al. **Chest** 1987 Feb;91(2):185–9

Influence of furosemide and body posture on transthoracic electrical impedance in AMI. Larsen F, et al. **Chest** 1986 Nov;90(5):733–7

Relationship of the ventilatory response to cotton bract extract and the cells and proteins of the lung. Merrill WW, et al. **Chest** 1987 Jan;91(1):44–8

Mitral valve prolapse, spontaneous pneumothorax, and abnormal lung collagen [letter] Snell NJ. **Chest** 1987 May; 91(5):793–4

Pulmonary hydrostatic microvascular pressure changes and lung fluid balance during histamine infusion in intact dogs. Rodriguez LM, et al. **Circ Shock** 1987;22(1):83–90

Lung lavage fluid from patients with alpha 1-proteinase inhibitor deficiency or chronic obstructive bronchitis: anti-elastase function and cell profile. Morrison HM, et al. **Clin Sci** 1987 Mar;72(3):373–81

Collagen crosslinking in lungs of rats with experimental silicosis. Reiser KM, et al. **Coll Relat Res** 1986 Oct; 6(4):313–23

Sulfated glycosaminoglycans in rat lung tissue during experimental silicotic fibrosis. Vilim V, et al. **Connect Tissue Res** 1987;16(1):27–40

Effect of high-frequency ventilation on extravascular lung water volume in dogs. Kudoh I, et al. **Crit Care Med** 1987 Mar;15(3):240–2

Effects of breathing 80% oxygen on water and albumin accumulation in oleic acid-injured rabbit lungs. Pavlin DJ, et al. **Crit Care Med** 1987 Mar;15(3):204–7

Nitroglycerin-induced decrease of carbon monoxide diffusion capacity in acute myocardial infarction reversed by elevating legs. Rocha P, et al. **Crit Care Med** 1987 Feb; 15(2):131–3

Altered DNA methylation patterns in human lung carcinomas. Wain JC, et al. **Curr Surg** 1986 Nov-Dec; 43(6):489–92

Comparison of the antioxidant properties of alpha-tocopherol and alpha-tocopheryl acetate in newborn rabbit lung. Knight M, et al. **Dev Pharmacol Ther** 1987;10(4):245–64

Lung retention of diesel soot and associated organic compounds. Wolff RK, et al. **Dev Toxicol Environ Sci** 1986; 13:199–211 (45 ref.)

Ovine pulmonary transit of tetracycline and minocycline. Cohen SH, et al. **Diagn Microbiol Infect Dis** 1987 Jan; 6(1):53–8

Uptake and disposition of putrescine, spermidine, and spermine by rabbit lungs. Rao SB, et al. **Drug Metab Dispos** 1987 Mar-Apr;15(2):189–94

Penetration and concentration of cefadroxil in sputum, lung and pleural fluid. Nightingale CH. **Drugs** 1986;32 Suppl 3:17–20

Characterization and solubilization of vasoactive intestinal peptide receptors from rat lung membranes. Provow S, et al. **Endocrinology** 1987 Jun;120(6):2442–52

Effects of cigarette smoking on metabolic events in the lung. Kitamura S. **Environ Health Perspect** 1987 Jun;72:283–96 (107 ref.)

Fibronectin concentrations in lung lavage fluid after inhalation exposure to low levels of metals. Berghem L, et al. **Environ Res** 1987 Jun;43(1):179–85

Types, numbers, sizes, and distribution of mineral particles in the lungs of urban male cigarette smokers. Churg A, et al. **Environ Res** 1987 Feb;42(1):121–9

Crocidolite-induced lipid peroxidation in rat lung microsomes. I. Role of different ions. Gulumian M, et al. **Environ Res** 1987 Jun;43(1):267–73

Pulmonary deposition and clearance of a coal fly ash aerosol by inhalation. Matsuno K, et al. **Environ Res** 1986 Oct; 41(1):195–200

Lung clearance and disposition of 63Ni in F344/N rats after intratracheal instillation of nickel sulfate solutions. Medinsky MA, et al. **Environ Res** 1987 Jun;43(1):168–78

Clearance and dimensional changes of crocidolite asbestos fibers isolated from lungs of rats following short-term exposure. Roggli VL, et al. **Environ Res** 1987 Feb; 42(1):94–105

Potential pulmonary uptake and clearance of morphine in postoperative patients. Persson MP, et al. **Eur J Clin Pharmacol** 1986;30(5):567–74

Quantitative assessment of thallium myocardial washout rate: importance of peak heart rate and lung thallium uptake in defining normal values. Nishimura T, et al. **Eur J Nucl Med** 1987;13(2):67–71

Autoradiographic mapping of substance P receptors in lung. Castairs JR, et al. **Eur J Pharmacol** 1986 Aug 15; 127(3):295–6

Release of eicosanoids from isolated lungs of guinea-pigs exposed to pure oxygen: effect of dexamtethasone. De Nucci G, et al. **Eur J Pharmacol** 1986 Jul 15;126(1–2):11–20

The synthesis of eicosanoids induced by anaphylaxis in guinea-pig isolated lungs perfused via the trachea. De Nucci G, et al. **Eur J Pharmacol** 1986 Nov 4;130(3):249–56

Phospholipase A2 products induce pulmonary beta-adrenoceptor deviations. Raaijmakers JA, et al. **Eur J Pharmacol** 1986 Aug 7;127(1–2):163–4

Mucociliary clearance in relation to clinical features in patients with bronchiectasis. Svartengren M, et al. **Eur J Respir Dis [Suppl]** 1986;146:303–10

Cardio-pulmonary elimination of 5-fluorouracil after bolus injection in the hepatic artery. Andersson M, et al. **Eur J Surg Oncol** 1987 Feb;13(1):35–9

Lipid peroxidation is not a major factor involved in the edema formation in perfused lungs. Risberg B, et al. **Eur Surg Res** 1987;19(3):164–70

Lung phospholipids during recovery from oxygen toxicity are altered by hydrocortisone. Abe M, et al. **Exp Lung Res** 1987;12(2):119–33

Role of myo-inositol in impairment of fetal lung phosphatidylglycerol biosynthesis in the diabetic pregnancy: physiological consequences of a phosphatidylglycerol-deficient surfactant in the newborn rat. Bourbon JR, et al. **Exp Lung Res** 1986;11(3):195–207

Pulmonary synthesis of 5-hydroxytryptamine in isolated perfused rabbit and rat lung preparations. Gonmori K, et al. **Exp Lung Res** 1986;11(4):295–305

Effects of oxygen, calcium ionophore, and arachidonic acid on prostaglandin production by monolayer cultures of mixed cells and endothelial cells from rat fetal lungs. Olson DM, et al. **Exp Lung Res** 1987;12(3):207–21

Biosynthesis and release of proteins by isolated pulmonary Clara cells. Patton SE, et al. **Exp Lung Res** 1986; 11(4):277–94

Analysis of pulmonary phospholipid compartments in the unanesthetized rat during prolonged periods of hyperpnea. Power JH, et al. **Exp Lung Res** 1986;11(2):105–28

Characterization of proteoglycans synthesized by fetal rat lung type II pneumonocytes in vitro and the effects of cortisol. Skinner SJ, et al. **Exp Lung Res** 1987;12(3):253–64

Regional deposition in human lung of 2.5 microM particles. Svartengren M, et al. **Exp Lung Res** 1987;12(4):265–79

Changes in collagen metabolism and proteinolysis after repeated inhalation exposure to ozone. Pickrell JA, et al. **Exp Mol Pathol** 1987 Apr;46(2):159–67

Selected pulmonary biochemical and hematological changes produced by prolonged hypoxia in the rat. Reddy AK, et al. **Exp Mol Pathol** 1986 Dec;45(3):336–42

In vitro characterization of possible mechanisms underlying the selective in vivo accumulation of the PCB metabolite 4,4'-bis(methylsulphonyl)-2,2',5,5'-tetrachlorobiphenyl in the lung. Lund J, et al. **Food Chem Toxicol** 1986 Jun-Jul; 24(6-7):563–6

Deposition and early disposition of inhaled 233UO2(NO3)2 and 232UO2(NO3)2 in the rat. Ballou JE, et al. **Health Phys** 1986 Dec;51(6):755–71

Metabolic fate of inhaled Co aerosols in beagle dogs. Kreyling WG, et al. **Health Phys** 1986 Dec;51(6):773–95

Measurement of 220Rn in exhaled breath of Th plant workers. Mayya YS, et al. **Health Phys** 1986 Dec; 51(6):737–44

Lung clearance and translocation of 239Pu and 244Cm in rats following inhalation individually or as a mixed oxide. Rhoads K, et al. **Health Phys** 1986 Nov;51(5):633–40

Beryllium metal solubility in the lung, comparison of metal and hot-pressed forms by in vivo and in vitro dissolution bioassays. André S, et al. **Hum Toxicol** 1987 May; 6(3):233–40

Optimization of fetal lung organ culture for surfactant biosynthesis. Doucet E, et al. **In Vitro Cell Dev Biol** 1987 Mar;23(3):189–98

Modulation of glycolysis by dibutyryl cyclic AMP in rat lung. Mahmood T, et al. **Indian J Biochem Biophys** 1986 Apr;23(2):96–9

Effect of enfenamic acid on prostaglandin synthesis. Rao AB, et al. **Indian J Exp Biol** 1986 Apr;24(4):246–7

Effect of anthelmintics on histamine levels in lungs & intestine of rats infected with Nippostrongylus brasiliensis. Misra A, et al. **Indian J Med Res** 1987 Feb;85:154–7

Penetration of ciprofloxacin into human lung tissue following intravenous injection [letter] Schlenkhoff D, et al. **Infection** 1986 Nov-Dec;14(6):299–300

Study on pulmonary, prostatic and renal (medulla and cortex) distribution of sagamicin at different time intervals. Fraschini F, et al. **Int J Clin Pharmacol Res** 1987;7(1):51–8

Aerosolized gadolinium-DTPA enhances the magnetic resonance signal of extravascular lung water. Montgomery AB, et al. **Invest Radiol** 1987 May;22(5):377–81

Grain-dust extract induced direct release of mediators from human lung tissue. Chan-Yeung M, et al. **J Allergy Clin Immunol** 1987 Sep;80(3 Pt 1):279–84

Use of pulmonary hydrogen gas excretion to detect carbohydrate malabsorption in dogs. Washabau RJ, et al. **J Am Vet Med Assoc** 1986 Sep 15;189(6):674–9

Penetration of clofoctol into human lung. Del Tacca M, et al. **J Antimicrob Chemother** 1987 May;19(5):679–83

Immunohistochemical identification of lung cells responsive to beta-stimulation with a rise in cAMP. Casale TB, et al. **J Appl Physiol** 1987 Jul;63(1):434–9

Pulmonary clearance of inhaled 99mTc-DTPA: effects of surfactant depletion by lung lavage. Evander E, et al. **J Appl Physiol** 1987 Apr;62(4):1611–4

Rat lung glutathione release: response to oxidative stress and selenium deficiency. Jenkinson SG, et al. **J Appl Physiol** 1987 Jan;62(1):55–60

cAMP levels from endogenous and exogenous arachidonic acid in isolated dog lung. Littner MR, et al. **J Appl Physiol** 1987 Jul;63(1):245–51

Distribution of cyclooxygenase products with cyclooxygenase inhibition in isolated dog lung. Littner MR, et al. **J Appl Physiol** 1986 Sep;61(3):988–93

Sequential changes in lung metabolism, permeability, and edema after ANTU. Minty BD, et al. **J Appl Physiol** 1987 Feb;62(2):491–6

Effect of proteolytic enzymes on transepithelial solute transport. Niewoehner DE, et al. **J Appl Physiol** 1986 Oct; 61(4):1418–30

In-line measurement of pulmonary metabolic function in the anesthetized rabbit. Pitt BR, et al. **J Appl Physiol** 1987 Jun;62(6):2500–6

A modeling approach to the estimation of CO diffusing capacity. Prisk GK, et al. **J Appl Physiol** 1987 Jan; 62(1):373–80

Effects of crystalloid and colloid fluids on extravascular lung water in hypoproteinemic dogs. Rackow EC, et al. **J Appl Physiol** 1987 Jun;62(6):2421–5

Lung lymph flow after bone marrow injection into goats was reduced by indomethacin. Winn R, et al. **J Appl Physiol** 1987 Feb;62(2):762–7

Synthesis of phosphatidylcholine by rat lung during choline deficiency. Yost RW, et al. **J Appl Physiol** 1986 Dec; 61(6):2040–4

Increased beta 2-adrenoreceptor density in heart, kidney and lung of spontaneously hypertensive rats. Michel MC, et al. **J Auton Pharmacol** 1987 Mar;7(1):41–51

The effect of transforming growth factor-beta on cell proliferation and collagen formation by lung fibroblasts. Fine A, et al. **J Biol Chem** 1987 Mar 15;262(8):3897–902

The dynamics of ubiquitin pools within cultured human lung fibroblasts. Haas AL, et al. **J Biol Chem** 1987 Jan 5; 262(1):345–51

Phenotypic plasticity of extracellular matrix gene expression in cultured hamster lung fibroblasts. Regulation of type I procollagen and fibronectin synthesis. Raghow R, et al. **J Biol Chem** 1987 Jun 15;262(17):8409–15

Purification of atrial natriuretic peptide receptor from bovine lung. Evidence for a disulfide-linked subunit structure. Shimonaka M, et al. **J Biol Chem** 1987 Apr 25; 262(12):5510–4

Differential effects of epidermal growth factor and transforming growth factor-beta on synthesis of Mr = 35,000 surfactant-associated protein in fetal lung. Whitsett JA, et al. **J Biol Chem** 1987 Jun 5;262(16):7908–13

Calpactins: two distinct Ca++-regulated phospholipid- and actin-binding proteins isolated from lung and placenta. Glenney JR Jr, et al. **J Cell Biol** 1987 Mar;104(3):503–11

Enhanced production and extracellular deposition of the endothelial-type plasminogen activator inhibitor in cultured human lung fibroblasts by transforming growth

factor-beta. Laiho M, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2403–10

Metabolism of platelet-activating factor in isolated perfused rat lung. Haroldsen PE, et al. **J Clin Invest** 1987 Jun; 79(6):1860–7

The importance of liver in normal and silicotic lung-lipid homeostasis. 1. Phospholipids. Eskelson CD, et al. **J Environ Pathol Toxicol Oncol** 1986 May-Aug; 6(5–6):37–46

Identification of a high-affinity receptor for native human interleukin 1 beta and interleukin 1 alpha on normal human lung fibroblasts. Chin J, et al. **J Exp Med** 1987 Jan 1; 165(1):70–86

Importance of the polyunsaturated fatty acid to vitamin E ratio in the resistance of rat lung microsomes to lipid peroxidation. Leedle RA, et al. **J Free Radic Biol Med** 1986;2(5–6):397–403

Pulmonary metabolic function can serve as a monitor for lung preservation. Hammond GL, et al. **J Heart Transplant** 1986 Jan–Feb;5(1):23–8

Clearance of instilled surfactant lipid from the lungs of unanesthetized sheep: lipids are differentially transported by nonlymphatic pathways. Davis PA, et al. **J Lab Clin Med** 1987 Feb;109(2):191–200

Kinetics of inhaled lipopolysaccharide in the guinea pig. Goto H, et al. **J Lab Clin Med** 1987 Sep;110(3):287–91

Relation of lung fatty acid binding protein to the biosynthesis of pulmonary phosphatidic acid and phosphatidylcholine. Haq RU, et al. **J Lipid Res** 1987 Feb;28(2):216–20

Metabolic activity of the lung during cardiopulmonary bypass. Venditti J Jr, et al. **J Med Clin Exp Theor** 1986; 17(2):65–85

Evaluation of the lung uptake of iodine-131 HIPDM by the single-pass multiple indicator dilution technique in a rabbit model. Abrams DN, et al. **J Nucl Med** 1987 Apr; 28(4):487–94

Extrapulmonary radioactivity in lung permeability measurements. Costes G, et al. **J Nucl Med** 1987 May; 28(5):903–6

Respiratory clearance of aerosolized radioactive solutes of varying molecular weight. Huchon GJ, et al. **J Nucl Med** 1987 May;28(5):894–902

Evaluation of [iodine-125]N,N,N'-trimethyl-N'-[2-hydroxy-3-methyl-5-iodobenzyl]-1,3- propanediamine lung uptake using an isolated-perfused lung model. Slosman DO, et al. **J Nucl Med** 1987 Feb;28(2):203–8

Modulation of avian lung eicosanoids by dietary omega-3 fatty acids. Craig-Schmidt MC, et al. **J Nutr** 1987 Jul; 117(7):1197–206

Dietary n-3 polyunsaturated fatty acids: rate and extent of modification of fatty acyl composition of lipid classes of mouse lung and kidney. Swanson JE, et al. **J Nutr** 1987 May;117(5):824–32

Inositol supplementation in respiratory distress syndrome: relationship between serum concentration, renal excretion, and lung effluent phospholipids. Hallman M, et al. **J Pediatr** 1987 Apr;110(4):604–10

In vitro inhibition of histamine metabolism in guinea pig lung by S-(-)-nicotine. Godin CS, et al. **J Pharm Sci** 1986 Oct; 75(10):949–51

Characterization of high affinity [3H]pirenzepine and (-)-[3H] quinuclidinyl benzilate binding to muscarinic cholinergic receptors in rabbit peripheral lung. Bloom JW, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):51–8

Comparison of antigen and Ca++-ionophore-induced peptidoleukotriene release from guinea pig lung preparations using high-performance liquid chromatography. Cheng JB, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):786–92

Glutathione biosynthesis from sulfur-containing amino acids in enriched populations of Clara and type II cells and macrophages freshly isolated from rabbit lung. Horton JK, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):376–80

Leukotriene D4 receptor-mediated synthesis and release of arachidonic acid metabolites in guinea pig lung: induction of thromboxane and prostacyclin biosynthesis by leukotriene D4. Mong S, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):63–70

Pulmonary extraction of [3H]bupivacaine: modification by dose, propranolol and interaction with [14C]5-hydroxytryptamine. Rothstein P, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):410–4

Differential influence of calcium channel-blockers on prostanoid generation and thromboxane-mediated vasoconstriction in rabbit lungs. Seeger W, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):646–53

The binding of agonists and antagonists to rat lung beta-adrenergic receptors as investigated by thermodynamics and structure-activity relationships. Bree F, et al. **J Recept Res** 1986;6(5–6):381–409

Beneficial effects of ibuprofen in oleic acid induced lung injury. Fuhrman TM, et al. **J Surg Res** 1987 Mar; 42(3):284–9

Indomethacin, dazoxiben and extravascular lung water after Escherichia coli infusion. Price S, et al. **J Surg Res** 1986 Aug;41(2):189–97

Muco-ciliary transport in the lung. Fulford GR, et al. **J Theor Biol** 1986 Aug 21;121(4):381–402

Influence of hematocrit on cardiopulmonary function after acute hemorrhage. Fortune JB, et al. **J Trauma** 1987 Mar; 27(3):243–9

Albumin lung/heart ratio change. A simple clinical means of documenting increased pulmonary endothelial permeability to protein. Mishkin FS, et al. **JAMA** 1987 Feb 20;257(7):953–6

Influence of parenteral nutrition on phospholipid metabolism in posttraumatic rat lungs. Bahrami S, et al. **JPEN J Parenter Enteral Nutr** 1986 Nov–Dec;10(6):617–21

Fluid volume balance between pulmonary intravascular space and extravascular space in dogs. Iinuma J, et al. **Jpn Circ J** 1986 Sep;50(9):818–28

Pulmonary fibroblasts: a model system for studying elastin synthesis. Campagnone R, et al. **Lab Invest** 1987 Feb; 56(2):224–30

Differentiation of cultured promyelocytic leukemia cells (HL–60) induced by endotoxin-treated human lung conditioned medium. Yunis AA, et al. **Leuk Res** 1987; 11(8):673–9

Heterogeneity of the M1 muscarinic receptor subtype between peripheral lung and cerebral cortex demonstrated by the selective antagonist AF-DX 116. Bloom JW, et al. **Life Sci** 1987 Jul 27;41(4):491–6

Comparison of two radiolabeled quinuclidinyl benzilate ligands for the characterization of the human peripheral lung muscarinic receptor. Joad JP, et al. **Life Sci** 1987 Sep 28;41(13):1577–84

Selective use of palmitic acid over stearic acid for synthesis of phosphatidylcholine and phosphatidylglycerol in lung. Tsao FH. **Lipids** 1986 Nov;21(11):724–5

Structure and function of phosphatidylglycerol-deficient lung surfactant. Bleasdale JE, et al. **Lung** 1986; 164(6):339–53

Fluid trapping in postmortem guinea pig lungs. Lai YL. **Lung** 1987;165(4):213–23

Concerning the way to study the relative potencies of bronchodilator agents in vitro [letter] Raaijmakers JA, et al. **Lung** 1986;164(5):303–8

alpha-1-Antitrypsin and the pathogenesis of emphysema. Stockley RA. **Lung** 1987;165(2):61–77 (100 ref.)

Methods for altering the synthesis of phosphatidylinositol and phosphatidylglycerol by type II pneumonocytes. Bleasdale JE. **Methods Enzymol** 1987;141:222–34

Binding and uptake of native and glycosylated albumin-gold complexes in perfused rat lungs. Villaschi S, et al. **Microvasc Res** 1986 Sep;32(2):190–9

Specific binding sites for prolactin and growth hormone in the adult rabbit lung. Amit T, et al. **Mol Cell Endocrinol** 1987 Jan;49(1):17–24

Leukotriene-induced hydrolysis of inositol lipids in guinea pig lung: mechanism of signal transduction for leukotriene-D4 receptors. Mong S, et al. **Mol Pharmacol** 1987 Jan;31(1):35–41

Studies on alpha adrenoceptors in guinea-pig peripheral lung strips. Turner AJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Mar; 335(3):269–73

Occurrence, distribution and ontogeny of CGRP immunoreactivity in the rat lower respiratory tract: effect of capsaicin treatment and surgical denervations. Cadieux A, et al. **Neuroscience** 1986 Oct;19(2):605–27

Interactions of phenylalkylamines with human lung membrane and microsome preparation. Moretti JL, et al. **Nucl Med Commun** 1987 Feb;8(2):115–20

Regional lung epithelial leakiness in smokers and nonsmokers. O'Doherty MJ, et al. **Nucl Med Commun** 1985 Jun; 6(6):353–7

Functional images of lung 99Tcm-DTPA aerosol transfer in smokers and nonsmokers. O'Doherty MJ, et al. **Nucl Med Commun** 1986 Aug;7(8):581–6

Effect of surfactant substitution on lung effluent phospholipids in respiratory distress syndrome: evaluation of surfactant phospholipid turnover, pool size, and the relationship to severity of respiratory failure. Hallman M, et al. **Pediatr Res** 1986 Dec;20(12):1228–35

Pulmonary deposition sites of an inhaled radiolabeled submicronic aerosol. Kay J, et al. **Pediatr Res** 1986 Dec; 20(12):1297–300

Studies on the effects of L-thyroxine, L-carnitine and an L-thyroxine-L-carnitine combination on dipalmitoyl phosphatidylcholine content and on phosphatidylcholine species composition in fetal rat lungs. Lohninger A, et al. **Pediatr Res** 1986 Dec;20(12):1280–3

Clearance of natural surfactant phosphatidylcholine from 3-day-old rabbit lungs: effects of dose and species. Pettenazzo A, et al. **Pediatr Res** 1986 Nov;20(11):1139–42

Lung maturation in the hyperinsulinemic rat fetus. Pignol B, et al. **Pediatr Res** 1987 May;21(5):436–41

Growth, elastin concentration, and collagen concentration of perinatal rat lung: effects of dexamethasone. Schellenberg JC, et al. **Pediatr Res** 1987 Jun;21(6):603–7

Lung development in the fetal guinea pig: surfactant, morphology, and premature viability. Sosenko IR, et al. **Pediatr Res** 1987 May;21(5):427–31

Characterization of vasoactive intestinal peptide (VIP) receptors in mammalian lung. Dickinson KE, et al. **Peptides** 1986 Sep–Oct;7(5):791–800

The metabolic function of the lung. Wijnands WJ. **Pharm Weekbl [Sci]** 1987 Apr 24;9(2):61–4 (19 ref.)

Inhibitory action of verapamil and chlorpromazine on the release of slow-reacting substance of anaphylaxis from cat lung. Dell'Osa D, et al. **Pharmacol Res Commun** 1986 Nov; 18(11):1043–52

Inhibitory effects of a novel platelet activating factor (PAF) antagonist (BN 52021) on antigen-induced prostaglandin and thromboxane formation by the guinea pig lung. Harczy M, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:111–7

Characterization of testosterone oxidation by rat lung microsomes. Halperin-Walega ES, et al. **Pharmacology** 1986;33(5):286–91

Oligonucleotides with rapid turnover of the phosphate groups occur endogenously in eukaryotic cells. Plesner P, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1936–9

(5Z,13E)-(15S)-9 alpha,11 beta,15-trihydroxyprosta-5,13-dien-1-oic acid (9 alpha,11 beta-prostaglandin F2): formation and metabolism by human lung and contractile effects on human bronchial smooth muscle. Seibert K, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):256–60

Isolation of a novel biliary metabolite of monocrotaline and its inhibitory actions on serotonin transport in the lung. Crowe PD, et al. **Proc West Pharmacol Soc** 1987;30:89–91

Influence of parenteral nutrition on lung surfactant in the traumatized rat. Bahrami S, et al. **Prog Clin Biol Res** 1987; 236B:295–303

Activation of the pulmonary arachidonic acid system and its consequences for hemodynamics and fluid balance. Neuhof H, et al. **Prog Clin Biol Res** 1987;236A:289–300 (28 ref.)

Glucocorticoid and prostaglandin: lack of an inhibitory effect by dexamethasone on the synthesis of 6-ketoprostaglandin F1 alpha in rat lung. Tsai MY. **Prostaglandins Leukotrienes Med** 1987 Jul;28(2):119–25

Conversion of arachidonate to prostanoids by lung microsomes from rats fed varying amounts of vitamin E. Wu-Wang CY, et al. **Prostaglandins Leukotrienes Med** 1987 Mar;26(3):291–8

Deposition and phagocytosis of inhaled particles in the gas exchange region of the duck, Anas platyrhynchos. Stearns RC, et al. **Respir Physiol** 1987 Jan;67(1):23–36

Vascular distribution of plasma catecholamines--pulmonary extraction, arterio-venous differences and effect of age. Hoffmann JJ, et al. **Scand J Clin Lab Invest** 1987 Apr; 47(2):179–83

The lung as a metabolic organ. Touya JJ, et al. **Semin Nucl Med** 1986 Oct;16(4):296–305

Gallium citrate Ga 67 accumulation in pulmonary lesions after chemotherapy (MOPP). Wells JD, et al. **South Med J** 1986 Oct;79(10):1293–6

Nicotine stimulates pulmonary parenchymal thromboxane synthesis. Lelcuk S, et al. **Surgery** 1986 Nov;100(5):836–40

Extravascular lung water and hemofiltration during complicated cardiac surgery. Boldt J, et al. **Thorac Cardiovasc Surg** 1987 Jun;35(3):161–5

Lung collagen: more than scaffolding. Laurent GJ. **Thorax** 1986 Jun;41(6):418–28 (70 ref.)

A physiologically based simulation approach for determining metabolic constants from gas uptake data. Gargas ML, et al. **Toxicol Appl Pharmacol** 1986 Dec;86(3):341–52

A model of the regional uptake of gaseous pollutants in the lung. II. The sensitivity of ozone uptake in laboratory animal lungs to anatomical and ventilatory parameters. Overton JH, et al. **Toxicol Appl Pharmacol** 1987 May; 88(3):418–32

Pharmacokinetic modeling of the lung burden from repeated inhalation of nickel aerosols. Menzel DB, et al. **Toxicol Lett** 1987 Sep;38(1–2):33–43

Metabolism of 6-nitrobenzo[a]pyrene in rat lung preparations. Raha CR, et al. **Toxicol Lett** 1987 Aug; 37(3):229–33

Naphthalene metabolism by human lung microsomal enzymes. Buckpitt AR, et al. **Toxicology** 1986 Nov; 41(3):333–41

The effect of acute cigarette smoke inhalation on pulmonary and systemic cysteine and glutathione redox states in the rat. Cotgreave IA, et al. **Toxicology** 1987 Aug;45(2):203–12

Metabolism of benzo[a]pyrene in the combined rat liver--lung perfusion system. Mollière M, et al. **Toxicology** 1987 Aug;45(2):143–54

The action of mouse liver and lung homogenates on the ESR signal of a spin-labelled antiviral compound. Eşanu V, et al. **Virologie** 1986 Jul–Sep;37(3):175–9

[Concentration curve of tritiated water in expired gas in rabbits: its measurement and physiological significances] Sun ZM, et al. **Sheng Li Hsueh Pao** 1987 Feb;39(1):84–91 (Eng. Abstr.) **(Chi)**

[Effect of arachidonic acid metabolites on the lung] Sun QW. **Sheng Li Ko Hsueh Chin Chan** 1986 Apr;17(2):129–33 (32 ref.) **(Chi)**

[Fluorocarbons as artificial blood substitutes: an electron microscopy study] Caiazza S, et al. **Rev Fr Transfus Immunohematol** 1986 Dec;29(6):455–63 (Eng. Abstr.) **(Fre)**

[Measurement of extravascular lung water: a toy or tool?] Neidhart P, et al. **Anaesthesist** 1986 Sep;35(9):559–62 (Eng. Abstr.) **(Ger)**

[Increase in lung water following heart operations--indication of capillary injuries in the lung? Remarks on the work of St. Duma et al. Intraoperative changes in extravascular lung water (letter)] Peters J, et al. **Anaesthesist** 1986 Sep;35(9):567–9 **(Ger)**

[Eicosanoids and lung function] Peskar BA, et al. **Verh Dtsch Ges Inn Med** 1986;92:631–7 **(Ger)**

[Concentrations of cefoperazone in lung tissue] Alesina R, et al. **G Ital Chemioter** 1986 Jan–Apr;33(1):71–4 (Eng. Abstr.) **(Ita)**

[Exposure to acetone: experimental study of absorption and pulmonary elimination in normal subjects] Imbriani M, et al. **G Ital Med Lav** 1985 Sep–Nov;7(5–6):223–9 (Eng. Abstr.) **(Ita)**

[Effects of MY–1250, a main active metabolite of MY–5116, a new anti–allergic drug, on histamine release from monkey lung fragments] Takahashi K, et al. **Arerugi** 1986 Sep; 35(9):975–81 (Eng. Abstr.) **(Jpn)**

[Clinical studies on te concentration of cefaclor in sera and lung tissues of patients with respiratory diseases] Imaizumi M, et al. **Jpn J Antibiot** 1986 Oct;39(10):2754–60 (Eng. Abstr.) **(Jpn)**

[Airway dynamics analyzed with radioaerosol clearance] Kamishima K, et al. **Kokyu To Junkan** 1987 Jan;35(1):31–6 **(Jpn)**

[Clinicopathological evaluation of the lungs with unusual distribution of paraquat lesions] Koga T, et al. **Kokyu To Junkan** 1987 May;35(5):535–9 (Eng. Abstr.) **(Jpn)**

[Respiratory function and pulmonary thromboxane release after total thoracic esophagectomy] Chen CM. **Nippon Geka Gakkai Zasshi** 1987 Mar;88(3):273–82 (Eng. Abstr.) **(Jpn)**

[Radioaerosol inhalation lung scan in evaluation of mucociliary transport system after tracheobronchoplastic procedures] Suzuki T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Oct; 34(10):1816–22 (Eng. Abstr.) **(Jpn)**

[Respiratory water loss and exercise–induced bronchospasm (EIB)] Nishima S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan;25(1):67–73 (Eng. Abstr.) **(Jpn)**

[Inhibition of the slow–reacting substance of anaphylaxis generation by ubiquinone derivatives] Ashida Y, et al. **Nippon Yakurigaku Zasshi** 1986 Sep;88(3):189–94 (Eng. Abstr.) **(Jpn)**

[Proteoglycans of animal tissue and their effect on DNA synthesis] Zimina NP, et al. **Biokhimiia** 1986 Sep; 51(9):1555–61 (Eng. Abstr.) **(Rus)**

[Metabolic function of the lungs and regulation of homeostasis] Gomazkov OA. **Biol Nauki** 1987;(4):5–18 (65 ref.) (Eng. Abstr.) **(Rus)**

[Changes in the phospholipid–phospholipid ratios and the enzyme activity of antioxidant protection in the rat lung during dehydration] Iushina LV, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):424–5 (Eng. Abstr.) **(Rus)**

[Changes in free radical reactions of lipid peroxidation in response to industrial aerosols of different levels of fibrogenicity] Bezrukavnikova LM, et al. **Gig Sanit** 1987 Mar;(3):80–1 **(Rus)**

[Vasoactive hormone metabolism in the lungs of patients with congenital heart defects] Gimmel'farb GN, et al. **Kardiologiia** 1987 Jun;27(6):61–5 (Eng. Abstr.) **(Rus)**

[Participation of the lungs in the absorption of middle molecules from the blood] Simbirtsev SA, et al. **Patol Fiziol Eksp Ter** 1987 May–Jun;(3):70–2 (Eng. Abstr.) **(Rus)**

[Metabolic lung function with regard to kinins in staphylococcal lesions] Tolpegina TB, et al. **Patol Fiziol Eksp Ter** 1987 Jan–Feb;(1):50–2 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Virus–like particles in cultured C3H/St mouse cells treated with a carcinogenic polycyclic hydrocarbon. Iseki E, et al. **Acta Pathol Jpn** 1986 Jun;36(6):805–13

Interactions of clindamycin with antibacterial defenses of the lung. Astry CL, et al. **Am Rev Respir Dis** 1987 May; 135(5):1015–9

Pulmonary clearance of Pseudomonas aeruginosa in neutropenic mice. Effects of systemic immunization. Dunn MM, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1294–9

Cytoskeletal disruption during human cytomegalovirus infection of human lung fibroblasts. Jones NL, et al. **Eur J Cell Biol** 1986 Aug;41(2):304–12

A Legionella–specific DNA probe detects organisms in lung tissue homogenates from intranasally inoculated mice. Engleberg NC, et al. **Isr J Med Sci** 1986 Oct;22(10):703–5

Immunohistological detection of Legionella pneumophila in lung sections. Theaker JM, et al. **J Clin Pathol** 1987 Feb; 40(2):143–6

Effect of oxytetracycline and erythromycin on Syrian hamsters after intratracheal infection with Mycoplasma pneumoniae. Ritter E, et al. **J Hyg Epidemiol Microbiol Immunol** 1987;31(1):83–9

Quantitation of human cytomegalovirus DNA in lungs from bone marrow transplant recipients with interstitial pneumonia. Churchill MA, et al. **J Infect Dis** 1987 Mar; 155(3):501–9

Experimental coinduction of type D retrovirus–associated pulmonary carcinoma and lentivirus–associated lymphoid ir terstitial pneumonia in lambs. DeMartini JC, et al. **JNCI** 1987 Jul;79(1):167–77

A new brush method to obtain organisms and cells for the diagnosis of lower respiratory tract infection—via two channel bronchofiberscope. Ogihara M. **Panminerva Med** 1986 Jul–Sep;28(3):181–5

Atypical distribution of Pneumocystis carinii infiltrates during radiation therapy. Panicek DM, et al. **Radiology** 1987 Jun;163(3):689–90

Isolation of Legionella pneumophila from calves and the prevalence of antibodies in cattle, sheep, horses, antelopes, buffaloes and rabbits. Boldur I, et al. **Vet Microbiol** 1987 Apr;13(4):313–20

[Strains of epidemic hemorrhagic fever virus isolated from the lungs of C. russula and A. squamipes] Chen SZ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Sep;20(5):261–3 (Eng. Abstr.) **(Chi)**

[Demonstration of Mycoplasma in sheep pneumonia and experimental pneumonia produced by Mycoplasma arginini] Bocklisch H, et al. **Arch Exp Veterinarmed** 1987 Mar;41(2):249–57 (Eng. Abstr.) **(Ger)**

[Rapid identification of bacteria in sputum and lung tissue in nosocomial pneumonia—fundamental study of indirect immunofluorescent staining by antibody to heat–killed antigens] Fujita K. **Kansenshogaku Zasshi** 1986 Sep; 60(9):1010–21 (Eng. Abstr.) **(Jpn)**

[Localization of Pseudomonas aeruginosa in lung tissue in patients with diffuse panbronchiolitis using an immunofluorescent antibody technique and immunoperoxidase staining procedure] Inatomi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 May; 24(5):503–12 (Eng. Abstr.) **(Jpn)**

[Isolation of Legionella bozemanii from the lung tissue] Fukumoto A, et al. **Rinsho Byori** 1986 May;34(5):605–6 **(Jpn)**

PARASITOLOGY

Schistosoma mansoni: migration potential of normal and radiation attenuated parasites in naive guinea pigs. Kamiya H, et al. **Exp Parasitol** 1987 Feb;63(1):98–107

Simultaneous demonstration of cyst walls and intracystic bodies of Pneumocystis carinii in paraffin embedded lung sections using Gomori's methenamine silver nitrate and Giemsa stain. Shiota T. **J Clin Pathol** 1986 Nov; 39(11):1269–71

Schistosoma mansoni: mechanism of attrition and routes of migration from lungs to hepatic portal system in the laboratory mouse. Georgi JR, et al. **J Parasitol** 1987 Aug; 73(4):706–11

An improved method of isolating Pneumocystis carinii from infected rat lungs. Gradus MS, et al. **J Parasitol** 1986 Oct; 72(5):690–8

Quantitative observations on intrapulmonary populations of Muellerius capillaris (Mueller, 1889) Cameron, 1927, in sheep. Polley L. **J Parasitol** 1987 Feb;73(1):234–6

Factors in developmental delay of Paragonimus kellicotti miracidia. Weina PJ. **J Parasitol** 1986 Oct;72(5):779

Serum lactate dehydrogenase: clinical significance of alterations in its activity in lambs infected with Dictyocaulus filaria. Bhat TK, et al. **Res Vet Sci** 1987 Jan; 42(1):127–9

Pneumocystis carinii in human lungs at autopsy. Settnes OP, et al. **Scand J Infect Dis** 1986;18(6):489–96

Arvicola terrestris, Linnaeus 1758, a reservoir of Pneumocystis sp. Delanoë and Delanoë 1912. Goyot P, et al. **Z Parasitenkd** 1986;72(5):685–7

[Histological observations on schistosomula of Schistosoma japonicum in mouse lung and liver after treatment with praziquantel] Yang YQ, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Dec;6(4):285–7 (Eng. Abstr.) **(Chi)**

[Morphologic characteristics of the proliferous capsules of the unilocular echinococcus] Leonov FV, et al. **Med Parazitol (Mosk)** 1987 Mar–Apr;(2):14–5 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Pulmonary cytology in tuberculosis. Tani EM, et al. **Acta Cytol** 1987 Jul–Aug;31(4):460–3

Clinicopathological studies on pulmonary hypoplasia in very low birth weight infants. Itoh K, et al. **Acta Pathol Jpn** 1987 May;37(5):725–36

A quantitative and histological study on pulmonary effects of asbestos exposure in general autopsied lungs. Kobayashi H, et al. **Acta Pathol Jpn** 1986 Dec;36(12):1781–91

Pulmonary cytoplasmic hyalin resembling Mallory's alcoholic hyalin in the liver. Nonomura A, et al. **Acta Pathol Jpn** 1986 Jun;36(6):869–78

The effect of alphanapthylthiourea (ANTU)–induced acute injury on lung binding of antibody to angiotensin converting enzyme (ACE). McCormick JR, et al. **Adv Exp Med Biol** 1986;198 Pt A:503–12

Electron microscopic analyses of dust from the lungs and the lymph nodes of talc–mine employees. Friedrichs KH. **Am Ind Hyg Assoc J** 1987 Jul;48(7):626–33

Cumulative toxicity potential of methomyl aerosol by repeated inhalation. Ta'naka I, et al. **Am Ind Hyg Assoc J** 1987 Apr;48(4):330–4

A critical review of the use of open lung biopsy in the management of the oncologic patient with acute pulmonary infiltrates. Hall TS, et al. **Am J Clin Oncol** 1987 Jun; 10(3):249–52

Unusual histopathology of mucormycosis in acute myelogenous leukemia. Mamlok V, et al. **Am J Clin Pathol** 1987 Jul;88(1):117–20

Pathology of paint sniffers' lung. Engstrand DA, et al. **Am J Forensic Med Pathol** 1986 Sep;7(3):232–6

Respiratory failure and death in an elderly man with laryngeal cancer [clinical conference] **Am J Med** 1987 May; 82(5):979–88

Apical fibrocavitary lesions of the lung in rheumatoid arthritis [letter] Schreiber S, et al. **Am J Med** 1987 May; 82(5):1090–1

The effects of laser smoke on the lungs of rats. Baggish MS, et al. **Am J Obstet Gynecol** 1987 May;156(5):1260–5

Lung injury mediated by antibodies to endothelium. II. Study of the effect of repeated antigen–antibody interactions in rabbits tolerant to heterologous antibody. Camussi G, et al. **Am J Pathol** 1987 May;127(2):216–28

Pulmonary permeability edema in a large animal model of nonpulmonary sepsis. A morphologic study. Craig I, et al. **Am J Pathol** 1987 Aug;128(2):241–51

The progression of morphologic changes in bronchopulmonary dysplasia. Erickson AM, et al. **Am J Pathol** 1987 Jun;127(3):474–84

The role of intraalveolar fibrosis in the process of pulmonary structural remodeling in patients with diffuse alveolar damage. Fukuda Y, et al. **Am J Pathol** 1987 Jan; 126(1):171–82

Adult respiratory distress syndrome. A live E coli septic primate model. Hangen DH, et al. **Am J Pathol** 1987 Feb; 126(2):396–400

Response of pulmonary macrophages to hyperoxic pulmonary injury. Acquisition of surface fibronectin and fibrin/ogen and enhanced expression of a fibronectin receptor. Kradin RL, et al. **Am J Pathol** 1986 Nov; 125(2):349–57

Emphysema alters the deposition pattern of inhaled particles in hamsters. Sweeney TD, et al. **Am J Pathol** 1987 Jul; 128(1):19–28

Tissue identification and histologic study of six lung specimens from Egyptian mummies. Walker R, et al. **Am J Phys Anthropol** 1987 Jan;72(1):43–8

Effects of acute lung injury and anesthesia on left ventricular mechanics. Hansen DE, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):H1195–204

Lung morphological and permeability changes induced by intravascular coagulation in dogs. Minnear FL, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):H634–44

Squamous carcinoma of the lung in a nonirradiated, nonsmoking patient with juvenile laryngotracheal papillomatosis. Helmuth RA, et al. **Am J Surg Pathol** 1987 Aug;11(8):643–50

Oxygen toxicity in the premature baboon with hyaline membrane disease. Delemos RA, et al. **Am Rev Respir Dis** 1987 Sep;136(3):677–82

One hundred percent oxygen lung injury in adult baboons. de los Santos R, et al. **Am Rev Respir Dis** 1987 Sep; 136(3):657–61

Neutrophil recruitment and degranulation during induction of emphysema in the rat by nitrogen dioxide. Glasgow JE, et al. **Am Rev Respir Dis** 1987 May;135(5):1129–36

Eosinophil activation in the lung is related to lung damage in adult respiratory distress syndrome. Hällgren R, et al. **Am Rev Respir Dis** 1987 Mar;135(3):639–42

Obesity–induced hyperplastic lung growth. Inselman LS, et al. **Am Rev Respir Dis** 1987 Mar;135(3):613–6

Sequence of inflammatory cell migration into lung during recovery from hyaline membrane disease in premature newborn monkeys. Jackson JC, et al. **Am Rev Respir Dis** 1987 Apr;135(4):937–40

Cytokine regulation of lung fibroblast proliferation. Pulmonary and systemic changes in asbestos–induced pulmonary fibrosis. Lemaire I, et al. **Am Rev Respir Dis** 1986 Oct;134(4):653–8

Protected transbronchial needle aspiration and protected specimen brush in the diagnosis of pneumonia. Lorch DG Jr, et al. **Am Rev Respir Dis** 1987 Sep;136(3):565–9

Inflammation and models of chronic pulmonary hypertension. Meyrick B, et al. **Am Rev Respir Dis** 1987 Sep;136(3):765–7

Respiratory bronchiolitis causing interstitial lung disease. A clinicopathologic study of six cases. Myers JL, et al. **Am Rev Respir Dis** 1987 Apr;135(4):880–4

Mechanisms of macrophage accumulation in the lungs of asbestos–exposed subjects. Spurzem JR, et al. **Am Rev Respir Dis** 1987 Aug;136(2):276–80

Uptake of bloodborne bacteria by pulmonary intravascular macrophages and consequent inflammatory responses in sheep. Warner AE, et al. **Am Rev Respir Dis** 1987 Sep; 136(3):683–90

Idiopathic pulmonary fibrosis. Pretreatment bronchoalveolar lavage cellular constituents and their relationships with lung histopathology and clinical response to therapy. Watters LC, et al. **Am Rev Respir Dis** 1987 Mar; 135(3):696–704

Transbronchial biopsies in Wegener's granulomatosis [letter] Ackerman Z, et al. **Ann Intern Med** 1986 Nov;105(5):801–2

Lingular and right middle lobe biopsy in the assessment of diffuse lung disease. Miller RR, et al. **Ann Thorac Surg** 1987 Sep;44(3):269–73

Comparison of histologic and quantitative techniques in evaluation of therapy for experimental Pneumocystis carinii pneumonia. Kim CK, et al. **Antimicrob Agents Chemother** 1987 Feb;31(2):197–201

Intraoperative fine–needle aspiration and rapid diagnosis of thoracic lesions. Christ ML, et al. **Appl Pathol** 1986; 4(3):125–31

Neuroendocrine structures in normal and diseased human lung. Mosca L, et al. **Appl Pathol** 1986;4(3):147–61

Lymphangioleiomyomatosis. A case report with an immunohistochemical study. Schiavina M, et al. **Appl Pathol** 1986;4(3):170–4

Sporothrix infection of the lung without cutaneous disease. Primary pulmonary sporotrichosis. England DM, et al. **Arch Pathol Lab Med** 1987 Mar;111(3):298–300

Comparison of cytomegalovirus infection of brain and lung in a patient with subacute encephalopathy of acquired immunodeficiency syndrome. Muñoz DG, et al. **Arch Pathol Lab Med** 1987 Mar;111(3):234–7

Simultaneous cytomegalovirus and herpes simplex virus pneumonia. Weiss RL, et al. **Arch Pathol Lab Med** 1987 Mar;111(3):242–5

Ultrastructural and cytophotometric studies of lectin binding by human pulmonary macrophages from asthmatic and normal subjects. Warton A, et al. **Aust J Exp Biol Med Sci** 1986 Oct;64 (Pt 5):419–34

Pulmonary radiographic changes in pseudoxanthoma elasticum. Puvaneswary M. **Australas Radiol** 1986 Nov; 30(4):310–2

Morphometry of the distribution of hydrostatic pulmonary oedema in dogs. Michel RP, et al. **Br J Exp Pathol** 1986 Dec;67(6):865–77

Dust exposure, dust recovered from the lung, and associated pathology in a group of British coalminers. Douglas AN, et al. **Br J Ind Med** 1986 Dec;43(12):795–801

Some peculiarities of the pulmonary phagocytotic response: dust retention kinetics and silicosis development during long term exposure of rats to high quartz dust levels. Privalova LI, et al. **Br J Ind Med** 1987 Apr;44(4):228–35

Correlation between lung structure and respiratory function in hamsters with experimental emphysema. Lorino AM, et al. **Bull Eur Physiopathol Respir** 1986 Jul–Aug; 22(4):371–4

A necrotizing pneumonia in lambs caused by pseudorabies virus (Aujesky's disease virus). Schmidt SP, et al. **Can J Vet Res** 1987 Jan;51(1):145–9

Pulmonary infiltrates in a patient on tapering steroids [clinical conference] **Cancer Invest** 1986;4(4):363–71

Human lung tumor growth established in the lung and subcutaneous tissue of mice with severe combined immunodeficiency. Reddy S, et al. **Cancer Res** 1987 May 1;47(9):2456–60

Lower lung field tuberculosis. Chang SC, et al. **Chest** 1987 Feb;91(2):230–2

Thoracic needle biopsy. Improved results utilizing a team approach. Conces DJ Jr, et al. **Chest** 1987 Jun;91(6):813–6

The role of open lung biopsy in patients with the acquired immunodeficiency syndrome. Fitzgerald W, et al. **Chest** 1987 May;91(5):659–61

Correlation between needle biopsy of lung tumors and histopathologic analysis of resected specimens. Horrigan TP, et al. **Chest** 1986 Nov;90(5):638–40

Nonbronchoscopic lung lavage for diagnosis of opportunistic infection in AIDS. Mann JM, et al. **Chest** 1987 Mar; 91(3):319–22

Transbronchial lung biopsy without fluoroscopy [letter] Prigogine T, et al. **Chest** 1987 Jul;92(1):187–8

Pulmonary hemorrhage and air embolism complicating transbronchial biopsy in pulmonary amyloidosis. Strange C, et al. **Chest** 1987 Aug;92(2):367–9

Open lung biopsy in the acquired immunodeficiency syndrome (AIDS) [editorial] Stulbarg MS, et al. **Chest** 1987 May;91(5):639–40

Cytomegalovirus pneumonitis in patients with AIDS. Findings in an autopsy series. Wallace JM, et al. **Chest** 1987 Aug;92(2):198–203

Pulmonary cytology of the acquired immune deficiency syndrome: an analysis of 36 cases. Duggan MA, et al. **Diagn Cytopathol** 1986 Sep;2(3):181–6

Pulmonary cytology in patients with the acquired immunodeficiency syndrome (AIDS). Selvaggi SM, et al. **Diagn Cytopathol** 1986 Sep;2(3):187–93

Regulation of lung fibroblast proliferation and protein synthesis by bronchiolar lavage in experimental silicosis. Benson SC, et al. **Environ Res** 1986 Oct;41(1):61–78

Comparative lung immunotoxicity of inhaled quartz and coal combustion fly ash. Bice DE, et al. **Environ Res** 1987 Aug; 43(2):374–89

The pathogenicity of dust from a fluorite mine. Xu YH, et al. **Environ Res** 1987 Aug;43(2):350–8

Adult respiratory distress syndrome: evidence of early fibrogenesis and absence of glucocorticoid receptors. Auler Júnior JO, et al. **Eur J Respir Dis** 1986 Oct;69(4):261–9

The pathology of obstructive and inflammatory airway diseases. Reid LM. **Eur J Respir Dis [Suppl]** 1986;147:26–37 (23 ref.)

Aging of the lungs: speculation on the role of oxidants and proteases. Mittman C. **Exp Gerontol** 1986;21(4–5):435–8

Tight junction alterations of respiratory epithelium following long-term NO2 exposure and recovery. Gordon RE, et al. **Exp Lung Res** 1986;11(3):179–93

Young hamsters are more resistant than adults to endotracheally instilled porcine pancreatic elastase. Karlinsky JB, et al. **Exp Lung Res** 1986;11(3):229–43

Sequential changes in lung morphology during the repair of acute oxygen-induced lung injury in adult rats. Thet LA, et al. **Exp Lung Res** 1986;11(3):209–28

Rat monoclonal antibodies to mouse lung components for analysis of fibrosis. Kennel SJ, et al. **Exp Mol Pathol** 1987 Aug;47(1):110–24

Lung and heart pathology in fatal drug addiction. A consecutive autopsy study. Kringsholm B, et al. **Forensic Sci Int** 1987 May–Jun;34(1–2):39–51

Pulmonary toxicity of cytostatic drugs: cell kinetics. Witschi H, et al. **Fundam Appl Toxicol** 1987 Feb;8(2):253–62

Lung biopsy findings in secondary pulmonary hypertension [published erratum appears in Heart Lung 1987 Mar;16(2):228] Wagenvoort CA. **Heart Lung** 1986 Sep; 15(5):429–50

Pulmonary veno-occlusive disease. A report of four cases. Hasleton PS, et al. **Histopathology** 1986 Sep;10(9):933–44

Pathology of the lung in the fetus and neonate, with particular reference to problems of growth and maturation. Wigglesworth JS. **Histopathology** 1987 Jul;11(7):671–89 (73 ref.)

The mast cell and signs of pulmonary fibroblast activation in sarcoidosis. Bjermer L, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):298–301

Regulation of the delayed hypersensitivity reaction in the lung reflected as mononuclear, mast cell and mucus cell appearance after T helper cell depletion and adoptive transfer. Enander I, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):361–3

Effects of neutrophil-mediated pulmonary endothelial injury on the localization and metastasis of circulating Walker carcinosarcoma cells. Orr FW, et al. **Invasion Metastasis** 1987;7(3):183–96

Predictive value of lung biopsy in ventricular septal defect: long-term follow-up. Braunlin EA, et al. **J Am Coll Cardiol** 1986 Nov;8(5):1113–8

O2 metabolites and neutrophil elastase synergistically cause edematous injury in isolated rat lungs. Baird BR, et al. **J Appl Physiol** 1986 Dec;61(6):2224–9

Pulmonary pressor responses in sheep to chemically defined precursors of E. coli endotoxin. Burhop KE, et al. **J Appl Physiol** 1987 Mar;62(3):1141–9

Effect of urethan anesthesia on cigarette smoke-induced airway injury in guinea pigs. Burns AR, et al. **J Appl Physiol** 1987 Jul;63(1):84–91

Does interstitial lung edema compress airways and arteries? A morphometric study. Michel RP, et al. **J Appl Physiol** 1987 Jan;62(1):108–15

Endothelial injury and pulmonary congestion characterize neurogenic pulmonary edema in rabbits. Minnear FL, et al. **J Appl Physiol** 1987 Jul;63(1):335–41

Endotoxin increases pulmonary vascular protein permeability in the dog. Welsh CH, et al. **J Appl Physiol** 1986 Oct; 61(4):1395–402

Seeding of malignant cells into the needle track after lung and pleural biopsy. Müller NL, et al. **J Can Assoc Radiol** 1986 Sep;37(3):192–4

Cotton dust-mediated lung epithelial injury. Ayars GH, et al. **J Clin Invest** 1986 Dec;78(6):1579–88

A monoclonal antibody to the carboxyterminal domain of procollagen type I visualizes collagen-synthesizing fibroblasts. Detection of an altered fibroblast phenotype in lungs of patients with pulmonary fibrosis. McDonald JA, et al. **J Clin Invest** 1986 Nov;78(5):1237–44

Pulmonary megakaryocytes: "missing link" between cardiovascular and respiratory disease? Sharma GK, et al. **J Clin Pathol** 1986 Sep;39(9):969–76

Epithelial hyperplasia and malignant change in congenital lung cysts. Sheffield EA, et al. **J Clin Pathol** 1987 Jun; 40(6):612–4

Separation of Legionella pneumophila proteases and purification of a protease which produces lesions like those of Legionnaires' disease in guinea pig lung. Conlan JW, et al. **J Gen Microbiol** 1986 Jun;132 (Pt 6):1565–74

Early, aggressive open lung biopsy in heart transplant recipients. Miller R, et al. **J Heart Transplant** 1987 Mar–Apr;6(2):96–9

Corticosteroid therapy suppresses spontaneous interleukin 2 release and spontaneous proliferation of lung T lymphocytes of patients with active pulmonary sarcoidosis. Pinkston P, et al. **J Immunol** 1987 Aug 1;139(3):755–60

Effect of polymorphonuclear depletion on experimental Argentine hemorrhagic fever in guinea pigs. González PH, et al. **J Med Virol** 1987 Jul;22(3):289–97

Lung damage following lymph fistula preparation in sheep. Smith L, et al. **J Surg Res** 1987 Feb;42(2):192–7

Efficacy and complications of transthoracic needle biopsy of lung in patients with Pneumocystis carinii pneumonia and AIDS. Baira P, et al. **J Thorac Imaging** 1987 Apr; 2(2):79–80

Inhalation toxicology. **J Toxicol Environ Health** 1987; 21(1–2):1–250

Pulmonary epithelial permeability in rats exposed to O3. Bhalla DK, et al. **J Toxicol Environ Health** 1987; 21(1–2):73–87

Lack of effect of deferoxamine, dimethyl sulfoxide, and catalase on monocrotaline pyrrole pulmonary injury. Bruner LH, et al. **J Toxicol Environ Health** 1987; 21(1–2):205–17

Pulmonary cadmium oxide toxicity in the rat. Buckley BJ, et al. **J Toxicol Environ Health** 1987;21(1–2):233–50

Acute and subchronic ozone inhalation in the rabbit: response of alveolar macrophages. Driscoll KE, et al. **J Toxicol Environ Health** 1987;21(1–2):27–43

Response of T-cell-deficient mice to ozone exposure. Dziedzic D, et al. **J Toxicol Environ Health** 1987; 21(1–2):57–71

A comparative study of the effects of inhaled cadmium chloride and cadmium oxide: pulmonary response. Grose EC, et al. **J Toxicol Environ Health** 1987;21(1–2):219–32

Asbestos-induced changes in rat lung parenchyma. Johnson NF. **J Toxicol Environ Health** 1987;21(1–2):193–203

Physical and microchemical alterations of chrysotile and amosite asbestos in the hamster lung. Kimizuka G, et al. **J Toxicol Environ Health** 1987;21(3):251–64

Evaluating the toxicity of urban patterns of oxidant gases. II. Effects in mice from chronic exposure to nitrogen dioxide. Miller FJ, et al. **J Toxicol Environ Health** 1987; 21(1–2):99–112

Influence of polyunsaturated fatty acid supplementation and membrane fluidity on ozone and nitrogen dioxide sensitivity of rat alveolar macrophages. Rietjens IM, et al. **J Toxicol Environ Health** 1987;21(1–2):45–56

Pulmonary effects due to short-term exposure to oil fog. Selgrade MK, et al. **J Toxicol Environ Health** 1987; 21(1–2):173–85

DNA synthesis in pulmonary alveolar macrophages and type II cells: effects of ozone exposure and treatment with alpha-difluoromethylornithine. Wright ES, et al. **J Toxicol Environ Health** 1987;21(1–2):15–26

Quantitative assessment of microvascular permeability in endotoxin-induced lung injury in anaesthetized dogs. Ishibashi M, et al. **Jpn J Physiol** 1986;36(5):959–69

Pathogenesis of Sarcocystis falcatula in the budgerigar. II. Pulmonary pathology. Smith JH, et al. **Lab Invest** 1987 Jan;56(1):72–84

Comparative O2-. responses of lung macrophages and blood phagocytic cells in the rat. Possible relevance to IgA immune complex induced lung injury. Warren JS, et al. **Lab Invest** 1987 Sep;57(3):311–20

Long term pathology of lung, eye, and other organs following acute exposure of rats to methyl isocyanate [letter] Gassert T, et al. **Lancet** 1986 Dec 13;2(8520):1403

Gated acquisition of MR images of the thorax: advantages for the study of the hila and mediastinum. Mark AS, et al. **Magn Reson Imaging** 1987;5(1):57–63

Massive brain tissue and fat pulmonary embolism following severe head injury [letter] Lawler W. **Med Sci Law** 1987 Jul;27(3):218

Experimental pulmonary cavity formation by mycobacterial components and synthetic adjuvants. Yamamura Y, et al. **Microbiol Immunol** 1986;30(11):1175–87

Microascus cinereus (Emile-Weil & Gaudin) Curzi—a human pathogen? Lacey J. **Mycopathologia** 1986 Dec;96(3):137–42

Histopathology of organ lesions in mice after an intravenous or intratracheal or intrarenal infection with aspergillus fumigatus. Walzl HL, et al. **Mykosen** 1987 Jan;30(1):10–8

A case report of death from naphthalene poisoning. Ijiri I, et al. **Nippon Hoigaku Zasshi** 1987 Feb;41(1):52–5

Pathological findings of guinea-pigs infected intratracheally with Rhodococcus (Corynebacterium) equi. Ishino S, et al. **Nippon Juigaku Zasshi** 1987 Jun;49(3):395–402

Results obtained from biopsies of the lung and bronchial wall through the flexible fiberoptic bronchoscopy in 75 cases of sarcoidosis. Celikoglu SI, et al. **Panminerva Med** 1986 Jul–Sep;28(3):207–9

Transbronchial lung biopsy and bronchoalveolar lavage in diffuse and localised bronchiolo-alveolar cell carcinoma. Galleri C, et al. **Panminerva Med** 1986 Apr–Jun;28(2):111–4

The role of transbronchial and open lung biopsy in diagnosis and staging of interstitial diseases. Galleri C, et al. **Panminerva Med** 1986 Jul–Sep;28(3):203–5

Bronchopulmonary manifestations of Sjögren's syndrome: the findings of the BAL, TBLB, and bronchoscopy. Taniguchi M, et al. **Panminerva Med** 1986 Jul–Sep; 28(3):249–51

Increased acinar complexity with polyhydramnios. Cooney TP, et al. **Pediatr Pathol** 1986;5(2):183–97

Pulmonary lesions in childhood onset systemic lupus erythematosus: analysis of 26 cases, and summary of literature. Nadorra RL, et al. **Pediatr Pathol** 1987;7(1):1–18

Postinfarction peripheral cysts of the lung. Stocker JT. **Pediatr Pathol** 1987;7(1):111–7

Morphometry of hypoplastic fetal guinea pig lungs following amniotic fluid leak. Collins MH, et al. **Pediatr Res** 1986 Oct;20(10):955–60

Pulmonary vascular lipid deposition after administration of intravenous fat to infants. Shulman RJ, et al. **Pediatrics** 1987 Jan;79(1):99–102

Pulmonary lesions of thalassemia major. Landing BH, et al. **Perspect Pediatr Pathol** 1987;11:82–96

A Mössbauer-effect study of autopsied lung tissue of asbestos workers. Stroink G, et al. **Phys Med Biol** 1987 Feb; 32(2):203–11

Inverse problem solution in magnetisation studies. Stroink G. **Phys Med Biol** 1987 Jan;32(1):53–8

Quantitative estimation of leukostasis in the posttraumatic lung—canine and human autopsy data. Redl H, et al. **Prog Clin Biol Res** 1987;236A:43–53

Preliminary experience with a dual cutting edge needle in thoracic percutaneous fine-needle aspiration biopsy. Weisbrod GL, et al. **Radiology** 1987 Apr;163(1):75–8

Sequential study of lesion development in experimental haemophilus pleuropneumonia. Liggett AD, et al. **Res Vet Sci** 1987 Mar;42(2):204–12

Morphological and ultrastructural changes of lung tissue in idiopathic fibrosing alveolitis. Dvorakovskaja JW. **Rev Ig [Pneumoftiziol]** 1987 Jan–Mar;36(1):79–84

Transvenous lung biopsy in the pig. Hakim M, et al. **Thorax** 1986 Dec;41(12):964–8

A case of middle lobe pulmonary sequestration. Lau YL, et al. **Thorax** 1986 Oct;41(10):810–1

Central lymph node changes and progressive massive fibrosis in coalworkers. Seal RM, et al. **Thorax** 1986 Jul;41(7):531–7

Lung biopsy with the high speed drill in a developing country. Teklu B. **Thorax** 1986 Oct;41(10):804–7
Interpretation of negative results in fine needle aspiration of discrete pulmonary lesions. Winning AJ, et al. **Thorax** 1986 Nov;41(11):875–9
Histomorphometric study of the pulmonary response of guinea pigs to chronic cotton dust inhalation [letter] Pratt PC, et al. **Toxicol Appl Pharmacol** 1987 May;88(3):442–4
Acute interstitial pneumonia in mink kits: experimental reproduction of the disease. Alexandersen S. **Vet Pathol** 1986 Sep;23(5):579–88
Pulmonary lesions in lambs experimentally infected with ovine adenovirus 5 strain RTS–42. Cutlip RC, et al. **Vet Pathol** 1986 Sep;23(5):589–93
Experimental Haemophilus somnus pneumonia in calves. Jackson JA, et al. **Vet Pathol** 1987 Mar;24(2):129–34
Fatal epithelioid haemangioendothelioma presenting in the lung and liver. Ekfors TO, et al. **Virchows Arch [A]** 1986; 410(1):9–16
Lung deformation and macrophage displacement in smoke–exposed and normal mice (Mus musculus) following different fixation procedures. Matulionis DH. **Virchows Arch [A]** 1986;410(1):49–56
The suramin–treated rat as a model of mucopolysaccharidosis. Variation in the reversibility of biochemical and morphological changes among different organs. Rees S, et al. **Virchows Arch [B]** 1986;52(3):259–72
Pulmonary nodule in an asymptomatic 64–year–old woman. Stern H, et al. **Yale J Biol Med** 1986 Nov–Dec;59(6):621–6
[Is the lung mass adequate in congenital diaphragmatic hernia?] Gavrilova N, et al. **Khirurgiia (Sofiia)** 1987; 40(3):17–9 (Eng. Abstr.) **(Bul)**
[Experimental studies on the pathogenesis of respiratory distress syndrome in the adult (ARDS)] Cai YZ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Dec;9(6):361–4, 383–4 (Eng. Abstr.) **(Chi)**
[Experimental farmer's lung: a light and electron microscopy and immunohistochemical study] Che DY. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Aug;9(4):236–8, 255 (Eng. Abstr.) **(Chi)**
[Aspiration needle biopsy with ultrasonic guide in chest diseases: a report of 11 cases] Huang XM. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Aug;9(4):245–6, 256 (Eng. Abstr.) **(Chi)**
[The kinetics of type II pneumocytes and alveolar macrophages in experimental silicosis] Si TR. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Jun;9(3):129–32, 188 (Eng. Abstr.) **(Chi)**
[The pathologic basis of egg–shell calcification of hilar and peritracheo–bronchial lymph nodes in silicosis] Xu YH. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Oct;9(5):288–9, 319 (Eng. Abstr.) **(Chi)**
[Transthoracic needle biopsy of the lung] Yang DC. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Aug;9(4):197–9, 253 (Eng. Abstr.) **(Chi)**
[Clinical analysis of 15 cases of embolic and necrotic pneumonia and an approach to the causes of misdiagnosis] Zhao HR. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Oct;9(5):270–2, 318 (Eng. Abstr.) **(Chi)**
[Intraoperative cytodiagnosis of lung masses by fine needle aspiration] Zhang XG, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Sep;8(5):355–7 (Eng. Abstr.) **(Chi)**
[X–ray guided percutaneous needle aspiration biopsy of the lung] Wang X. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Jun;20(3):133–4 (Eng. Abstr.) **(Chi)**
[Experimental observations on the pathology of inhaling Pleurotus spores] Li CL, et al. **Chung–hua Ping Li Hsueh Tsa Chih** 1986 Jun;15(2):119–21 (Eng. Abstr.) **(Chi)**
[Histopathological analysis of 9 autopsy cases of asbestosis] Wang BS. **Chung–hua Ping Li Hsueh Tsa Chih** 1986 Dec; 15(4):274–6 (Eng. Abstr.) **(Chi)**
[Effect of "huoxue huayu" injections on pulmonary pathological changes caused by paraquat in the rat] Xu SH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Oct; 8(5):358–61 (Eng. Abstr.) **(Chi)**
[The adult respiratory distress syndrome] Haškovcová I. **Cesk Patol** 1986 Nov;22(4):222–30 (Eng. Abstr.) **(Cze)**
[Discovery of a protist parasite, apparently akin to Acrasiae, in the genital tract and various organs of primates] Chauvier G, et al. **Ann Parasitol Hum Comp** 1986; 61(4):401–10 (Eng. Abstr.) **(Fre)**
[Value of immediate cytology in transparietal pulmonary punctures] Bejui–Thivolet F, et al. **Ann Radiol (Paris)** 1987; 30(1):25–9 (Eng. Abstr.) **(Fre)**
[Defect in pulmonary growth. Comparative study of 3 diagnostic criteria] Dechelotte P, et al. **Arch Fr Pediatr** 1987 Apr;44(4):255–61 (Eng. Abstr.) **(Fre)**
[Thermal degradation of dibutyltin fluoride and pulmonary toxicity of combustion products in rats and guinea pigs. I. Analytical study of dibutyltin fluoride thermolysis between 200 and 600 degrees C] Anger JP, et al. **J Toxicol Clin Exp** 1985 Jan–Feb;5(1):15–23 (Eng. Abstr.) **(Fre)**
[Transthoracic fine–needle aspiration biopsy in the diagnosis of tuberculoma] Benov E. **Rev Ig [Pneumoftiziol]** 1986 Jul–Sep;35(3):271–2 **(Fre)**
[Transthoracic pulmonary needle puncture. Apropos of 21 cases] Vodoz JF. **Rev Med Suisse Romande** 1986 Sep; 106(9):827–31 **(Fre)**
[Results of experimental infection of calves with Pasteurella multocida and Pasteurella haemolytica] Schimmel D. **Arch Exp Veterinarmed** 1987 May;41(3):463–72 (Eng. Abstr.) **(Ger)**
[Morphologic demonstration and pathogenetic evaluation of amniotic fluid aspiration with regard to the diagnosis "pulmonary asphyxia" in newborn calves and foals]Schoon HA, et al. **DTW** 1987 Feb 9;94(2):73–6 (Eng. Abstr.) **(Ger)**
[Hydroxyproline in the rat lung following exposure to industrial ashes and surface dusts] Staszyc J, et al. **Gegenbaurs Morphol Jahrb** 1986;132(6):953–8 (Eng. Abstr.) **(Ger)**
[Behavior of hydroxyproline in the rat lung following exposure to surface dust and industrial ashes] Staszyc J, et al. **Gegenbaurs Morphol Jahrb** 1987;133(1):33–8 (Eng. Abstr.) **(Ger)**
[A new biopsy needle for transcutaneous histology procurement] Köhler D, et al. **Schweiz Med Wochenschr** 1987 Apr 4;117(14):527–30 (Eng. Abstr.) **(Ger)**
[Changes in the lung connective tissue framework in sudden infant death (SIDS)] Ogbuihi S, et al. **Z Rechtsmed** 1987; 98(3):191–205 (Eng. Abstr.) **(Ger)**
[Hemosiderin findings in the liver, spleen and lung in newborn infants and infants] Risse M, et al. **Z Rechtsmed** 1987;98(3):181–90 (Eng. Abstr.) **(Ger)**
[Percutaneous needle aspiration biopsy in the diagnosis of pulmonary neoplasms] Piacenza G, et al. **Minerva Med** 1987 Aug 15;78(15):1163–6 (Eng. Abstr.) **(Ita)**
[Acute squamous metaplasia of the whole lung after combined radiation and chemotherapy in advanced lung cancer] Miyamoto T, et al. **Gan No Rinsho** 1987 Jan; 33(1):89–96 (Eng. Abstr.) **(Jpn)**
[Experimental infection of C. psittaci (MP) strain in mice—evaluation of changes in the histopathological findings in lungs and serum antibodies in mice intranasally inoculated with C. psittaci, and comparison with histopathological findings in organs in mice inoculated by various routes of infection] Hino J. **Kansenshogaku Zasshi** 1986 Dec;60(12):1339–51 (Eng. Abstr.) **(Jpn)**
[Bronchoalveolar lavage cell findings in patients with PIE syndrome—a suggestion concerning pathogenesis] Chihara J, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Oct; 24(10):1105–12 (Eng. Abstr.) **(Jpn)**
[A case of malignant histiocytosis with pulmonary infiltration effectively treated with ACNU] Hiyoshi T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Dec; 24(12):1366–72 (Eng. Abstr.) **(Jpn)**
[A case of pulmonary cryptococcosis diagnosed by stamp cytology] Ishihara S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Dec; 24(12):1362–5 (Eng. Abstr.) **(Jpn)**
[A case of organizing pneumonia demonstrated by biopsy] Kawabata Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Nov; 24(11):1282–7 (Eng. Abstr.) **(Jpn)**
[Topographic distribution of noncaseating granulomas studied by TBLB (transbronchial lung biopsy) in sarcoidosis] Matsuoka R, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Dec; 24(12):1334–8 (Eng. Abstr.) **(Jpn)**
[A case report of hard metal lung with giant cell interstitial pneumonia] Wada M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jun;24(6):703–9 (Eng. Abstr.) **(Jpn)**
[Thoracic CT: comparative study of CT imaging of peripheral lung lesions with fixed lung specimens] Nishimura K, et al. **Rinsho Hoshasen** 1986 Oct; 31(11):1345–55 (16 ref.) **(Jpn)**
[Radiologic–pathologic correlations of small nodules in pneumoconiosis] Ozasa K, et al. **Rinsho Hoshasen** 1986 Oct; 31(10):1103–8 (Eng. Abstr.) **(Jpn)**
[A case of T–cell chronic lymphocytic leukemia with tumor formation] Sakuma T, et al. **Rinsho Ketsueki** 1987 May; 28(5):762–7 (Eng. Abstr.) **(Jpn)**
[Effects of chromium compounds on the respiratory system. Part 4. Long–term inhalation of chromic acid mist in electroplating to ICR female mice] Adachi S, et al. **Sangyo Igaku** 1986 Jul;28(4):283–7 (Eng. Abstr.) **(Jpn)**
[Morphological changes in the lungs caused by intratracheal administration of carbon fibers in rats] Tanaka K, et al. **Sangyo Igaku** 1986 Jul;28(4):288–9 **(Jpn)**
[Studies of the phenomenon of autolysis in human lungs] Parafiniuk M. **Ann Acad Med Stetin** 1986;32:63–80 (Eng. Abstr.) **(Pol)**
[Pulmonary alveolar proteinosis (PAP). I. Morphologic description of a case. Comparative histologic and histochemical studies of the lungs and sputum] Chyczewski L, et al. **Patol Pol** 1986 Jul–Sep;37(3):266–74 (Eng. Abstr.) **(Pol)**
[Transthoracic fine–needle biopsy of the lung] Dubay M, et al. **Pneumonol Pol** 1987 Jan;55(1):21–5 (Eng. Abstr.) **(Pol)**
[Pulmonary changes in myelocytic leukemia] Gola A, et al. **Pol Tyg Lek** 1986 Oct 27;41(43):1373–5 (Eng. Abstr.) **(Pol)**
[Morphological changes in the lungs as affected by hemodialysis] Neimark MI, et al. **Anesteziol Reanimatol** 1987 Mar–Apr;(2):50–3 (Eng. Abstr.) **(Rus)**
[Analysis of the mechanisms of action of various systems of hyperbaric oxygenation on gas exchange, metabolism and structure of the lung tissue] Rogatskii GG, et al. **Anesteziol Reanimatol** 1987 May–Jun;(3):35–7 (Eng. Abstr.) **(Rus)**
[Transbronchial biopsy in the diagnosis of sarcoidosis and certain other interstitial lung diseases] Strukov AI, et al. **Arkh Patol** 1986;48(12):13–22 (Eng. Abstr.) **(Rus)**
[Morphological changes in the lungs in asbestosis] Tregubov ES. **Arkh Patol** 1987;49(2):57–62 (Eng. Abstr.) **(Rus)**
[Structural basis of impairment of the external respiratory function in the post–resuscitation period] Zinov'ev AS, et al. **Arkh Patol** 1987;49(5):57–64 (Eng. Abstr.) **(Rus)**
[Structural changes in the lungs induced by different levels of hyperbaric oxygenation] Kharchenko NM, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):604–6 (Eng. Abstr.) **(Rus)**
[Characteristics of the intrapulmonary cytogram in compensatory lung hypertrophy] Romanova LK, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):363–6 (Eng. Abstr.) **(Rus)**
[Effect of infrasound on pulmonary structure] Svidovyi VI, et al. **Gig Tr Prof Zabol** 1987 Jan;(1):34–7 (Eng. Abstr.) **(Rus)**
[Fiber bronchoscopic semeiotics and the morphologic diagnosis of small–cell lung cancer] Nurguzhaev KS. **Grudn Khir** 1986 Nov–Dec;(6):60–2 (Eng. Abstr.) **(Rus)**
[Use of fine–needle puncture biopsy controlled by computed tomography in diagnosing diseases of the lungs and mediastinum] Rabkin IKh, et al. **Grudn Khir** 1986 Nov–Dec;(6):56–60 (Eng. Abstr.) **(Rus)**
[Transthoracic aspiration biopsy of the lung using a fine needle] Uspenskii LV, et al. **Grudn Khir** 1987 Jan–Feb; (1):38–44 (Eng. Abstr.) **(Rus)**
[Association of disseminated pulmonary tuberculosis with specific involvement of the sternoclavicular joint and clavicle complicated by a tuberculous abscess and fistulae] Strelis AK, et al. **Klin Khir** 1987;(1):67–8 **(Rus)**
[Etiology of synpneumonic pleurisy and the development of pulmonary destruction] Manerov FK, et al. **Pediatriia** 1987; (1):13–7 (Eng. Abstr.) **(Rus)**
[Acute cor pulmonale in young children] Tabolin VA, et al. **Pediatriia** 1987;(2):27–31 (Eng. Abstr.) **(Rus)**
[Interrelations between cellular reactions and the bacterioscopic picture in pulmonary tuberculosis during chemotherapy] Kazak TI, et al. **Probl Tuberk** 1987; (6):58–61 (Eng. Abstr.) **(Rus)**
[Clinical and morphologic description of bird breeder's disease] Kireeva TA, et al. **Probl Tuberk** 1986;(11):65–7 **(Rus)**
[Pathomorphologic characteristics of aspergillomas of the lung] Surkova LK, et al. **Probl Tuberk** 1986;(11):59–61 (Eng. Abstr.) **(Rus)**
[Method of determining the extent of organ lesions in tuberculosis] Suslov EI, et al. **Probl Tuberk** 1986;(11):49–51 (Eng. Abstr.) **(Rus)**
[Importance of needle biopsy in the diagnosis of peripheral lesions of the lungs, pleura and chest wall] Utkin VV, et al. **Probl Tuberk** 1986;(9):15–9 (Eng. Abstr.) **(Rus)**
[Diagnosis and treatment of fibrosing alveolitis] Khomenko AG, et al. **Ter Arkh** 1987;59(3):71–5 **(Rus)**
[Histologic changes in the lower respiratory tract and lungs due to functional nasal obstruction in an experiment] Cvetnić V, et al. **Plucne Bolesti** 1986 Jan–Mar;38(1):16–9 (Eng. Abstr.) **(Scr)**
[The value of transbronchial biopsy in the diagnosis of sarcoidosis] Mrdja V, et al. **Vojnosanit Pregl** 1986 Sep–Oct; 43(5):353–6 (Eng. Abstr.) **(Scr)**
[Radiologic pulmonary growth in children with fibrocystic disease of the pancreas] Shardonofsky FR, et al. **Bol Med Hosp Infant Mex** 1986 Aug;43(8):504–9 (Eng. Abstr.) **(Spa)**
[Percutaneous puncture–aspiration of pulmonary hydatid cysts (letter)] Andreu Soriano J, et al. **Med Clin (Barc)** 1987 Jun 13;89(3):132 **(Spa)**
[Pulmonary cavitation caused by Legionella pneumophila (letter)] Franco Serrano J, et al. **Med Clin (Barc)** 1986 Nov 1;87(14):606 **(Spa)**
[Benign pseudotumors of the lung. Presentation of 2 cases] Hueto Pérez de Heredia J, et al. **Rev Clin Esp** 1987 Mar; 180(4):203–5 (Eng. Abstr.) **(Spa)**
[Lung tissue reactions to the inhalation coal mine dust in rats] Benavides R, et al. **Rev Med Chil** 1986 Sep; 114(9):815–22 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Lung mechanics of the guinea–pig isolated perfused lung. Kröll F, et al. **Acta Physiol Scand** 1986 Sep;128(1):1–8
The physiology and biochemistry of normal and diseased lung. Welton AF, et al. **Adv Clin Chem** 1987;26:293–383 (229 ref.)
The effects of sulfur dioxide on pulmonary function in healthy nonsmoking male subjects aged 55 years and older. Rondinelli RC, et al. **Am Ind Hyg Assoc J** 1987 Apr; 48(4):299–303
Asbestos exposure, cigarette smoking, and airflow limitation in long–term Canadian chrysotile miners and millers. Bégin R, et al. **Am J Ind Med** 1987;11(1):55–66
Rapid mechanical ventilation effects on tracheal airway pressure, lung volume, and blood gases of rabbits. Gonzalez F, et al. **Am J Perinatol** 1986 Oct;3(4):347–51
Static mechanical properties of lungs from adrenalectomized

pneumonectomized rats. Bennett RA, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):E6–11

Locomotion without lungs: energetics and performance of a lungless salamander. Full RJ. **Am J Physiol** 1986 Oct; 251(4 Pt 2):R775–80

Age-related responses to stimulation of cardiopulmonary receptors in swine. Gootman PM, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):H748–55

Effects of lung volume and O2 and CO2 content on cutaneous gas exchange in frogs. Malvin GM, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):R941–6

Characteristics of lung mechanoreceptors in spotted gar, Lepisosteus oculatus. Smatresk NJ, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):R1066–72

Impaired exercise performance and pulmonary function in elite cyclists during low-level ozone exposure in a hot environment. Gong H Jr, et al. **Am Rev Respir Dis** 1986 Oct;134(4):726–33

Pulmonary research: what topics? What costs? [editorial] Hurd SS, et al. **Am Rev Respir Dis** 1987 Mar;135(3):521–2

Eosinophils, smoking, and lung function. An epidemiologic survey among 912 working men. Kauffmann F, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1172–5

Longitudinal study of pulmonary function development in childhood, adolescence, and early adulthood. Development of pulmonary function. Lebowitz MD, et al. **Am Rev Respir Dis** 1987 Jul;136(1):69–75

Neutrophil-derived oxygen metabolites stimulate thromboxane release, pulmonary artery pressure increases, and weight gains in isolated perfused rat lungs. McDonald RJ, et al. **Am Rev Respir Dis** 1987 Apr;135(4):957–9

Pediatric pulmonology in North America—coming of age. Mellins RB, et al. **Am Rev Respir Dis** 1986 Nov; 134(5):849–53

Effect of exercise on lung lymph flow in unanesthetized sheep with increased pulmonary vascular permeability. O'Brodovich H, et al. **Am Rev Respir Dis** 1986 Nov; 134(5):862–6

The pathophysiology of human mast cells. In vitro and in vivo function. Peters SP, et al. **Am Rev Respir Dis** 1987 May;135(5):1196–200 (77 ref.)

Assessment of genetic and nongenetic influences on pulmonary function. A twin study. Redline S, et al. **Am Rev Respir Dis** 1987 Jan;135(1):217–22

The effect of pregnancy on pulmonary nitrogen washout. A study of pre-oxygenation. Byrne F, et al. **Anaesthesia** 1987 Feb;42(2):148–50

Tidal volumes required to maintain isocapnia at frequencies from 3 to 30 Hz in the dog. Kolton M, et al. **Anesth Analg** 1987 Jun;66(6):523–8

Linear-lumped-parameter modeling of pulmonary impedance in monkeys. Wegner CD, et al. **Ann Biomed Eng** 1986;14(5):401–15

Ethnic differences in the growth of lung function in children: a cross-sectional study in inner-city Nottingham. Patrick JM, et al. **Ann Hum Biol** 1986 Jul–Aug;13(4):307–15

Vitamin C and airways. Mohsenin V, et al. **Ann NY Acad Sci** 1987;498:259–68 (49 ref.)

Effect of pleurotomy on pulmonary function after median sternotomy. Stock MC, et al. **Ann Thorac Surg** 1986 Oct; 42(4):441–4

Effect of tracheobronchial suction on respiratory resistance in intubated preterm babies. Prendiville A, et al. **Arch Dis Child** 1986 Dec;61(12):1178–83

Arachidonic acid and pulmonary function in heart-lung-preparation of guinea-pig: modulation by PCO2. Bedetti C, et al. **Arch Int Pharmacodyn Ther** 1987 Jan;285(1):98–116

Studies on the effect of farming in northern areas upon health. Kolmodin-Hedman B, et al. **Arctic Med Res** 1986;44:25–8

A portable, pumpless, AV bypass ECCO2R system, with a hollow fiber membrane lung. Fukui Y, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):521–4

Effect of platelet-activating factor on beta-adrenoceptors in human lung. Agrawal DK, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):1–6

A disbalance between beta-adrenergic and muscarinic responses caused by hydrogen peroxide in rat airways in vitro. Kramer K, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):357–62

Effects of thiazinamium chloride and other antihistamines on phosphatidylcholine secretion in rat type II pneumocyte cultures. Gilfillan AM, et al. **Biochem Pharmacol** 1987 Jan 15;36(2):277–81

Inflation pressure, gastric insufflation and rapid sequence induction. Lawes EG, et al. **Br J Anaesth** 1987 Mar; 59(3):315–8

Carbon dioxide clearance during high frequency jet ventilation. Effect of deadspace in a lung model. Mortimer AJ, et al. **Br J Anaesth** 1986 Dec;58(12):1404–13

A new adaptable computerized system for the measurement of specific airways conductance. Roberts JA, et al. **Br J Dis Chest** 1986 Jul;80(3):218–28

Maximal respiratory pressures and pulmonary function in male runners. Cordain L, et al. **Br J Sports Med** 1987 Jun; 21(2):18–22

Respiratory clearance of solutes. Huchon GJ. **Bull Eur Physiopathol Respir** 1986 Sep–Oct;22(5):495–512 (81 ref.) (Eng, Fre)

Ventilatory consequences of the lateral position and thoracotomy in children. Larsson A, et al. **Can J Anaesth** 1987 Mar;34(2):141–5

Control of postoperative pain. Nonnarcotic and narcotic alternatives and their effect on pulmonary function. Coleman DL. **Chest** 1987 Sep;92(3):520–8 (78 ref.)

Using the lungs to measure cardiac output [editorial] Crapo RO, et al. **Chest** 1987 Jul;92(1):3–4

Pulmonary function in smokers after short-term cessation of alcohol ingestion. Hoffstein V, et al. **Chest** 1987 Jul; 92(1):86–9

Effects of aging on airway hyperreactivity in normal persons. Liu YN, et al. **Chin Med J [Engl]** 1986 Dec;99(12):983–6

The effect of high frequency oscillatory ventilation on pulmonary stretch receptors in the dog. Rewa G, et al. **Clin Invest Med** 1986;9(3):167–75

Physics and physiology in the hyperbaric environment. Flook V. **Clin Phys Physiol Meas** 1987 Aug;8(3):197–230 (165 ref.)

Applications of applied potential tomography (APT) in respiratory medicine. Harris ND, et al. **Clin Phys Physiol Meas** 1987;8 Suppl A:155–65

Heart rate response to breathing: dependency upon breathing pattern. Mehlsen J, et al. **Clin Physiol** 1987 Apr;7(2):115–24

Antagonistic actions of prostaglandins E2 and F2 alpha on the isolated lungs of the frog, Rana esculenta L. Piomelli D, et al. **Comp Biochem Physiol [C]** 1987;87(1):21–2

Comparison of high-frequency chest wall compression with conventional mechanical ventilation in cats. Hayek Z, et al. **Crit Care Med** 1987 Jul;15(7):676–81

Adjusting for confounded variables: pulmonary function and smoking in a special population. Feldman HA, et al. **Environ Res** 1987 Jun;43(1):251–66

Lung clearance of inhaled particles after exposure to carbon black generated from a resuspension system. Lee PS, et al. **Environ Res** 1987 Aug;43(2):364–73

Effects of smoking on inflammatory mediators and their relationship to pulmonary dysfunction. Bridges RB, et al. **Eur J Respir Dis [Suppl]** 1986;146:145–52

How much lung is good enough? Weibel ER. **Eur J Respir Dis [Suppl]** 1986;146:37–45

Deposition of large particles in human lung. Svartengren M, et al. **Exp Lung Res** 1987;12(1):75–88

Physiological variation and population structure of the island of Korčula, Yugoslavia. Smolej N, et al. **Hum Biol** 1987 Aug;59(4):667–85

Statistical measures of parameter estimates from models fit to respiratory impedance data: emphasis on joint variabilities. Lutchen KR, et al. **IEEE Trans Biomed Eng** 1986 Nov;33(11):1000–9

Dielectric polarization of animal lung at radio frequencies. Surowiec AJ, et al. **IEEE Trans Biomed Eng** 1987 Jan; 34(1):62–7

Lung function and rhizopus antibodies in wood trimmers. A cross-sectional and longitudinal study. Hedenstierna G, et al. **Int Arch Occup Environ Health** 1986;58(3):167–77

Associations of personality variables with smoking behavior and pulmonary function. Neuser J, et al. **Int J Addict** 1987 Feb;22(2):135–51

Modulation of non-specific bronchial reactivity. Mistretta A, et al. **Int J Tissue React** 1986;8(5):431–7

Neuropeptides in the lung: localization, function, and pathophysiologic implications. Barnes PJ. **J Allergy Clin Immunol** 1987 Feb;79(2):285–95 (90 ref.)

Effect of water immersion on cardiopulmonary physiology at high gravity (+Gz). Arieli R, et al. **J Appl Physiol** 1986 Nov;61(5):1686–92

Effect of prolonged bed rest on lung volume in normal individuals. Beckett WS, et al. **J Appl Physiol** 1986 Sep; 61(3):919–25

Nonuniformity of canine lung washout by high-frequency ventilation. Berdine GG, et al. **J Appl Physiol** 1986 Oct; 61(4):1388–94

Canine bronchoconstriction, gas trapping, and hypoxia with methacholine. Breen PH, et al. **J Appl Physiol** 1987 Jul; 63(1):262–9

Longitudinal elastic wave propagation in pulmonary parenchyma. Butler JP, et al. **J Appl Physiol** 1987 Apr; 62(4):1349–55

Changes in lung volume and breathing pattern during exercise and CO2 inhalation in humans. Cha EJ, et al. **J Appl Physiol** 1987 Apr;62(4):1544–50

Effects of swim training on lung volumes and inspiratory muscle conditioning. Clanton TL, et al. **J Appl Physiol** 1987 Jan;62(1):39–46

Partitioning of airway responses to inhaled methacholine in the rat. DiMaria GU, et al. **J Appl Physiol** 1987 Mar; 62(3):1317–23

Effects of lung volume on maximal methacholine-induced bronchoconstriction in normal humans. Ding DJ, et al. **J Appl Physiol** 1987 Mar;62(3):1324–30

Overestimation of sheep lung lymph contamination. Drake RE, et al. **J Appl Physiol** 1986 Oct;61(4):1590–2

Pulmonary function of the green sea turtle, Chelonia mydas. Gatz RN, et al. **J Appl Physiol** 1987 Feb;62(2):459–63

Partitioning of pulmonary resistance in calves. Gustin P, et al. **J Appl Physiol** 1987 May;62(5):1826–31

Effects of cyclooxygenase inhibition on pulmonary vascular responses to serotonin. Hofman WF, et al. **J Appl Physiol** 1987 Mar;62(3):1192–200

CVF-induced decomplementation: effect on lung transvascular protein flux after thrombin. Johnson A, et al. **J Appl Physiol** 1987 Mar;62(3):863–9

Thoracoabdominal blood volume change and its effect on lung and chest wall volumes. Kimball WR, et al. **J Appl Physiol** 1986 Sep;61(3):953–9

Total lung capacity does not change during methacholine-stimulated airway narrowing. Kirby JG, et al. **J Appl Physiol** 1986 Dec;61(6):2144–7

Neurohumoral and cardiopulmonary response to sustained submaximal exercise in the dog. Kirlin PC, et al. **J Appl Physiol** 1987 Mar;62(3):1040–5

Central role of cyclooxygenase in the response of canine peripheral airways to antigen. Kleeberger SR, et al. **J Appl Physiol** 1986 Oct;61(4):1309–15

Partitioning of pulmonary resistance during constriction in the dog: effects of volume history. Ludwig MS, et al. **J Appl Physiol** 1987 Feb;62(2):807–15

Lung epithelial permeability to aerosolized solutes: relation to position. Meignan M, et al. **J Appl Physiol** 1987 Mar; 62(3):902–11

Epithelial and endothelial flux after bypass in dogs: effect of positive end-expiratory pressure. Nolop KB, et al. **J Appl Physiol** 1987 Mar;62(3):1244–9

Changes in flow-volume curve configuration with bronchoconstriction and bronchodilation. O'Donnell CR, et al. **J Appl Physiol** 1986 Dec;61(6):2243–51

Small airway pressure-diameter relationships during nonhomogeneous lung lobe inflation. Olson LE. **J Appl Physiol** 1987 Jun;62(6):2377–82

Effect of perfusate hematocrit on urea permeability-surface area in isolated dog lung. Parker RE, et al. **J Appl Physiol** 1986 Oct;61(4):1383–7

Pulmonary mechanics during rapid mechanical ventilation in rabbits with saline-lavaged lungs. Pérez Fontán JJ, et al. **J Appl Physiol** 1986 Oct;61(4):1431–7

Rapid increases in respiratory epithelial permeability occur after intratracheal instillation of PMA. Pitt BR, et al. **J Appl Physiol** 1987 Jul;63(1):292–301

Microvascular pressures measured by micropuncture in isolated perfused lamb lungs. Raj JU, et al. **J Appl Physiol** 1986 Dec;61(6):2194–201

Micropuncture measurement of alveolar liquid pressure in excised dog lung lobes. Raj JU, et al. **J Appl Physiol** 1987 Feb;62(2):781–4

Segmental vascular resistances and compliances in dog lung. Rippe B, et al. **J Appl Physiol** 1987 Mar;62(3):1206–15

Effect of lung volume on in vivo contraction characteristics of human diaphragm. Smith J, et al. **J Appl Physiol** 1987 May;62(5):1893–900

Interdependent regional lung emptying during forced expiration: a transistor model. Solway J, et al. **J Appl Physiol** 1987 May;62(5):2013–25

Regulation of end-expiratory lung volume during sleep in premature infants. Stark AR, et al. **J Appl Physiol** 1987 Mar;62(3):1117–23

Effects of lung volume and alveolar surface tension on pulmonary vascular resistance. Sun RY, et al. **J Appl Physiol** 1987 Apr;62(4):1622–6

Airway reactivity in infants: a positive response to methacholine and metaproterenol. Tepper RS. **J Appl Physiol** 1987 Mar;62(3):1155–9

Methacholine-induced airway reactivity of inbred rats. Wang CG, et al. **J Appl Physiol** 1986 Dec;61(6):2180–5

Simulation of the vertical gradient of transpulmonary pressure by stable foams. Warner DO, et al. **J Appl Physiol** 1986 Sep;61(3):1221–5

Reflex cardiorespiratory responses to pulmonary vascular congestion. Wead WB, et al. **J Appl Physiol** 1987 Mar; 62(3):870–9

Effect of lung volume on breath holding. Whitelaw WA, et al. **J Appl Physiol** 1987 May;62(5):1962–9

Normal values for forced oscillation parameters in small children. Lierl MB, et al. **J Asthma** 1986;23(4):179–85

A cellular model of lung elasticity. Kimmel E, et al. **J Biomech Eng** 1987 May;109(2):126–31

Measurement of the mechanical properties of the human lung tissue. Zeng YJ, et al. **J Biomech Eng** 1987 May; 109(2):169–74

Non-invasive technique for examining the respiratory proprioceptor system in man. Nickolls PM, et al. **J Biomed Eng** 1987 Jan;9(1):26–31

Computer modelling of measurement error in longitudinal lung function data. Dales RE, et al. **J Chronic Dis** 1987; 40(8):769–73

Explaining discrepancies between longitudinal and cross-sectional models [published erratum appears in J Chronic Dis 1987;40(4):369] Louis TA, et al. **J Chronic Dis** 1986;39(10):831–9

Influence of cigarette smoking on lung function at baseline and at follow-up in 14 years: the Framingham Study. Sorlie P, et al. **J Chronic Dis** 1987;40(9):849–56

The assessment of foetal lung maturity by chemical analysis of amniotic fluid. Kriegsteiner HP, et al. **J Clin Chem Clin Biochem** 1986 Oct;24(10):705–17 (206 ref.)

Beta-adrenergic agonists increase lung liquid clearance in anesthetized sheep. Berthiaume Y, et al. **J Clin Invest** 1987 Feb;79(2):335–43

Capnography and the Bain circuit II: Validation of a computer model. Beneken JE, et al. **J Clin Monit** 1987 Jul;3(3):165–77

Gas exchange, storage and transport in voluntarily diving Xenopus laevis. Boutilier RG, et al. **J Exp Biol** 1986 Nov; 126:133–55

Non-invasive measurement of respiratory tidal volume in aquatic, air-breathing animals. Funk GD, et al. **J Exp Biol** 1986 Nov;126:519–23

Ventilation and partitioning of oxygen uptake in the frog Rana pipiens: effects of hypoxia and activity. Pinder AW, et al. **J Exp Biol** 1986 Nov;126:453–68

An autoperfused heart–lung–preparation: metabolism and function. Robicsek F, et al. **J Heart Transplant** 1985 May; 4(3):334–8

Effects of a low carbohydrate isoenergetic diet on sleep behavior and pulmonary functions in healthy female adult humans. Kwan RM, et al. **J Nutr** 1986 Dec; 116(12):2393–402

Short- and long-term effects of furosemide on lung function in infants with bronchopulmonary dysplasia. Engelhardt B, et al. **J Pediatr** 1986 Dec;109(6):1034–9

Incubated or superfused rat lung parenchymal strip: a valid preparation for direct measurement of beta-responses. Candenas ML, et al. **J Pharmacol** 1986 Oct–Dec; 17(4):637–43

Modification by lung inflation of the vascular responses from the carotid body chemoreceptors and other receptors in dogs. Daly MD, et al. **J Physiol (Lond)** 1986 Sep;378:13–30

The role of amiloride-blockable sodium transport in adrenaline-induced lung liquid reabsorption in the fetal lamb. Olver RE, et al. **J Physiol (Lond)** 1986 Jul;376:321–40

The effect of lateral and dorsal recumbency on cardiopulmonary function in the anaesthetised horse. Stegmann GF, et al. **J S Afr Vet Assoc** 1987 Mar;58(1):21–7

Pulmonary function in the horse during anaesthesia: a review. Stegmann GF. **J S Afr Vet Assoc** 1986 Mar;57(1):49–53

Technique of right lymphatic duct cannulation for pulmonary lymph collection in an acute porcine model. Chuang GJ, et al. **J Surg Res** 1986 Dec;41(6):563–8

Mechanical aspects of the lungs as cancer cell–killing organs during hematogenous metastasis. Weiss L, et al. **J Theor Biol** 1986 Aug 7;121(3):307–21

New membrane oxygenator (LPM 50): influence on extravascular lung water and pulmonary function in comparison to bubble oxygenator. Boldt J, et al. **J Thorac Cardiovasc Surg** 1986 Oct;92(4):798–800

Clinical aspects of fluid transport and vascular permeability in the lung. Geiger K. **Klin Wochenschr** 1986;64 Suppl 7:18–23

A semi-automated system for recording pressure-volume curves of excised rodent lungs. Stengel PW, et al. **Lab Anim Sci** 1987 Jun;37(3):354–6

Coronary artery surgery with patient's lungs as oxygenator. Glenville B, et al. **Lancet** 1986 Nov 1;2(8514):1005–6

Pulmonary clearance of 99mTc-DTPA: a noninvasive assessment of epithelial integrity. O'Brodovich H, et al. **Lung** 1987;165(1):1–16 (43 ref.)

Sheep lung lymph shunting. Drake RE, et al. **Lymphology** 1986 Dec;19(4):157–60

Recombinant human lipocortin 1 inhibits thromboxane release from guinea-pig isolated perfused lung. Cirino G, et al. **Nature** 1987 Jul 16–22;328(6127):270–2

Effects of nasal and laryngeal stimulation upon peripheral lung function. Jacobs JR, et al. **Otolaryngol Head Neck Surg** 1986 Oct;95(3 Pt 1):298–302

Ventilatory response to inspired carbon dioxide in premature infants recovering from intraventricular hemorrhage. Anwar M, et al. **Pediatr Pulmonol** 1987 Jan–Feb;3(1):13–8

Longitudinal study of lung mechanics in normal infants. Masters IB, et al. **Pediatr Pulmonol** 1987 Jan–Feb;3(1):3–7

A study of spirometry in children from Mexico City. Namihira D, et al. **Pediatr Pulmonol** 1986 Nov–Dec; 2(6):337–43

Maximal static pressures and lung volumes in young female swimmers: one year follow-up. Zinman R, et al. **Pediatr Pulmonol** 1987 May–Jun;3(3):145–8

Theoretical studies of gas mixing and ventilation distribution in the lung. Paiva M, et al. **Physiol Rev** 1987 Jul; 67(3):750–96 (205 ref.)

The effect of body position on ventilation and perfusion in the lung. Moriya E, et al. **Physiologist** 1987 Feb;30(1 Suppl):S60–1

Studies of the role of alpha-adrenoceptors in guinea pig lungs. Biggs DF, et al. **Proc West Pharmacol Soc** 1987; 30:389–91

Mechanism of A23187-induced airway obstruction in the guinea pig. Stengel PW, et al. **Prostaglandins** 1987 Apr; 33(4):567–77

Lung reflexes affecting the larynx in the pig, and the effect of pulmonary microembolism. Aguggini G, et al. **Q J Exp Physiol** 1987 Jan;72(1):95–104

Effect of temperature on beta receptor responsiveness in guinea pig pulmonary tissues. Venugopalan CS, et al. **Res Commun Chem Pathol Pharmacol** 1986 Sep; 53(3):275–88

Partitioning of pulmonary resistance in Friesian calves. Gustin P, et al. **Res Vet Sci** 1987 May;42(3):313–7

Mechanical properties of excised calf lungs. Gustin P, et al. **Res Vet Sci** 1987 May;42(3):272–6

Deposition and clearance of radiolabelled monodisperse polystyrene spheres in the calf lung. Jones CD, et al. **Res Vet Sci** 1987 Jan;42(1):82–91

Lung mechanical properties in the West Indian Manatee (Trichechus manatus). Bergey M, et al. **Respir Physiol** 1987 Apr;68(1):63–75

Effect of expiratory glottic constriction on lung volume and pattern of breathing in adult dogs. Brancatisano A, et al. **Respir Physiol** 1987 Jan;67(1):53–67

Changing relationships between stature and lung volumes during puberty. Degroodt EG, et al. **Respir Physiol** 1986 Aug;65(2):139–53

Air opening pressure in fluid-filled lungs. Faridy EE. **Respir Physiol** 1987 Jun;68(3):279–91

Air opening pressure in fetal lungs. Faridy EE. **Respir Physiol** 1987 Jun;68(3):293–300

Characteristics of a simple measure of respiratory impedance. Fordyce WE, et al. **Respir Physiol** 1987 May;68(2):145–59

Lung tissue tension and glycosaminoglycans. Gleisner JM, et al. **Respir Physiol** 1986 Dec;66(3):247–58

Sensitivity of avian intrapulmonary chemoreceptors to venous CO2 load. Hempleman SC, et al. **Respir Physiol** 1986 Oct;66(1):53–60

Intrapulmonary gas distribution in healthy children. Kraemer R, et al. **Respir Physiol** 1986 Aug;65(2):127–37

Effects of lung volume and airflow on the frequency spectrum of vesicular lung sounds. Kraman SS. **Respir Physiol** 1986 Oct;66(1):1–9

Influence of lung volume on the mixing defect for an inert gas. Van Liew HD, et al. **Respir Physiol** 1986 Dec; 66(3):355–66

Influence of lung stiffness on rapidly adapting receptors in rabbits and cats. Yu J, et al. **Respir Physiol** 1987 May; 68(2):161–76

The function and properties of human lung mast cells. Flint KC, et al. **Respiration** 1986;50 Suppl 2:31–41

Pulmonary haemodynamics of the yak, cattle, and cross breeds at high altitude. Anand IS, et al. **Thorax** 1986 Sep; 41(9):696–700

Maximal expiratory flow–volume curves in Londoners aged 60 years and over. Fowler RW, et al. **Thorax** 1987 Mar; 42(3):173–82

Elastin and the lung. Starcher BC. **Thorax** 1986 Aug; 41(8):577–85 (71 ref.)

Standard values and prediction equations of pulmonary functions—studies of 1041 healthy Japanese subjects. Fujimoto J, et al. **Tokushima J Exp Med** 1986 Jun; 33(1–2):21–8

Chronic pulmonary effects in guinea pigs from prolonged inhalation of cotton dust. Eliakkani MA, et al. **Toxicol Appl Pharmacol** 1987 May;88(3):354–69

Pulmonary mechanics and atelectasis during immersion in oxygen-breathing subjects. Baer R, et al. **Undersea Biomed Res** 1987 May;14(3):229–40

A brief review: liquid ventilation. Shaffer TH. **Undersea Biomed Res** 1987 Mar;14(2):169–79 (60 ref.)

Components of the pressure required to breathe dense gases. Van Liew HD. **Undersea Biomed Res** 1987 May; 14(3):263–76

[Various aspects of respiration in the newborn infant] Rankova S. **Akush Ginekol (Sofiia)** 1986;25(5):69–75 (18 ref.) **(Bul)**

[Changes in lung function and blood gas analysis in pregnancy] Li MC. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Dec;9(6):352–5, 383 (Eng. Abstr.) **(Chi)**

[Analysis of the blood acid–base and gas in 55 cases of elderly persons over 90 years of age] Wang LJ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Jun;9(3):157–9, 190 (Eng. Abstr.) **(Chi)**

[Characteristics of exercise load and pulmonary ventilation in normal people at high altitudes] Ge RL. **Chung Hua I Hsueh Tsa Chih** 1987 Mar;67(3):140–3 **(Chi)**

[Passive smoking in children and function of small airway] Wan D, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Aug; 25(8):465–8, 510 (Eng. Abstr.) **(Chi)**

[Effect of physical training on MEFV curves and other ventilatory functions] Huang GF, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun;18(2):132–5 (Eng. Abstr.) **(Chi)**

[Determination of maximal expiratory flow–volume curves in 842 cases of workers, farmers and soldiers] Huang GF, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Jun; 17(2):109–13 (Eng. Abstr.) **(Chi)**

[Lung function in a representative population sample of persons 30–70 years of age residents of Copenhagen who had never smoked. Normal values for interindividual and intraindividual variations] Groth S, et al. **Ugeskr Laeger** 1986 Nov 24;148(48):3207–13 (Eng. Abstr.) **(Dan)**

[Functional approach to respiratory diseases of double-loined cattle of the white-blue Belgian breed] Gustin P, et al. **DTW** 1987 May 7;94(5):261–4 (Eng. Abstr.) **(Ger)**

[Effect of bodily stress on lung function in the horse] Lorenz V, et al. **DTW** 1987 Mar 9;94(3):165–8 (Eng. Abstr.) **(Ger)**

[Lung function in workers in the chemical industry] Heierli C. **Soz Praventivmed** 1987;32(2):111–4 (Eng. Abstr.) **(Ger)**

[Respiratory and non-respiratory functions of the lung] Wittmann J. **Tierarztl Prax** 1987;Suppl 2:33–6 (11 ref.) (Eng. Abstr.) **(Ger)**

[Age and respiratory function. Natural history of the normal lung] Grassi V, et al. **Recenti Prog Med** 1986 Dec; 77(12):587–92 **(Ita)**

[Respiratory mechanics and its measurements] Noshiro M. **Iyodenshi To Seitai Kogaku** 1986 Aug;24(4):272–6 (23 ref.) **(Jpn)**

[Selected aspects of the biomechanics of respiration] Andrzejewski K, et al. **Pneumonol Pol** 1986 Aug; 54(8):366–9 (33 ref.) **(Pol)**

[Reference values of the indicators of respiratory mechanics in children under 2 years of age. I. Airway resistance (Raw) and functional residual capacity (FRC pl)] Gutkowski P. **Pneumonol Pol** 1987 Feb;55(2):60–4 (Eng. Abstr.) **(Pol)**

[Reference values of the indicators of respiratory mechanics in children under 2 years of age. II. Total compliance (Crs) and total resistance (Rrs) of the respiratory system] Gutkowski P, et al. **Pneumonol Pol** 1987 Feb;55(2):65–70 (Eng. Abstr.) **(Pol)**

[Effect of artificial pulmonary ventilation using intermittent positive and negative pressures in the pleural cavity on gas exchange efficiency in the isolated heart–lung preparation] Barinov EF, et al. **Anesteziol Reanimatol** 1986 Sep–Oct;(5):44–6 (Eng. Abstr.) **(Rus)**

[Effect of the mode of extrapulmonary gas exchange on the function and metabolism of pulmonary surfactant] Skorik VI, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):13–6 (Eng. Abstr.) **(Rus)**

[Transpulmonary pressure and its determinative factors in middle and old age] Ivanov LA. **Fiziol Cheloveka** 1986 Nov–Dec;12(6):914–21 **(Rus)**

[Changes in the respiratory function of women during different seasons of the year] Lutsenko MT, et al. **Fiziol Cheloveka** 1987 May–Jun;13(3):446–9 **(Rus)**

[Model for demonstrating the mechanisms of lung respiratory movements and pneumothorax] Agarkov FT, et al. **Fiziol Zh** 1987 Mar–Apr;33(2):109–11 (Eng. Abstr.) **(Rus)**

[Biochemical aspects of regional irregularity in lung functions] Khasina MA, et al. **Fiziol Zh** 1987 May–Jun; 33(3):81–5 (Eng. Abstr.) **(Rus)**

[Contractile properties of isolated lung tissue preparations] Mikhailov DM, et al. **Fiziol Zh** 1987 May–Jun;33(3):89–92 (Eng. Abstr.) **(Rus)**

[Evaluation of the effect of excess intrapulmonary pressure on human respiratory function] Breslav IS, et al. **Kosm Biol Aviakosm Med** 1986 Sep–Oct;20(5):64–9 (Eng. Abstr.) **(Rus)**

[Stretch receptors of the lungs in the frog Rana temporaria] Serbeniuk TsV, et al. **Zh Evol Biokhim Fiziol** 1986 Nov–Dec;22(6):548–54 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Pulmonary function, extravascular lung water and chest radiography in a porcine model of adult respiratory distress syndrome. Forsgren P, et al. **Acta Anaesthesiol Scand** 1986 Aug;30(6):463–9

Lung mechanics with relation to pulmonary haemodynamics, gas exchange and extravascular lung water in mechanically ventilated endotoxaemic pigs. Forsgren P, et al. **Acta Chir Scand** 1986 Oct;152:561–8

Long-term effects of physical exercise on working capacity and pulmonary function in cystic fibrosis. Andréasson B, et al. **Acta Paediatr Scand** 1987 Jan;76(1):70–5

Efficiency of ventilation in neonatal pulmonary maladaptation. Sandberg K, et al. **Acta Paediatr Scand** 1987 Jan;76(1):30–6

Relationship between pulmonary function, O2 saturation during sleep and exercise, and exercise responses in children with cystic fibrosis. Versteegh FG, et al. **Adv Cardiol** 1986; 35:151–5

Aggregate anaphylaxis and carboxypeptidase N. Ryan JW, et al. **Adv Exp Med Biol** 1986;198 Pt A:435–43

Pulmonary function changes in cirrhosis of the liver. Yao EH, et al. **Am J Gastroenterol** 1987 Apr;82(4):352–4

Pulmonary function and intradermal tests in workers exposed to soft-paper dust. Heederik D, et al. **Am J Ind Med** 1987; 11(6):637–45

Lung function and respiratory symptoms in subjects with asbestos-related disorders: a cross-sectional study. Hilt B, et al. **Am J Ind Med** 1987;11(5):517–28

Longitudinal changes in lung function and respiratory symptoms in progressive systemic sclerosis. Prospective study. Greenwald GI, et al. **Am J Med** 1987 Jul;83(1):83–92

Pulmonary function in dogs with mitral valve regurgitation. Miller JE, et al. **Am J Vet Res** 1986 Dec;47(12):2498–503

Effects of ketanserin on pulmonary hemodynamics, lung mechanics, and gas exchange in endotoxemic pigs. Olson NC, et al. **Am J Vet Res** 1986 Oct;47(10):2193–6

Dexamethasone-induced attenuation of cardiopulmonary dysfunction in endotoxemic calves. Olson NC, et al. **Am J Vet Res** 1986 Oct;47(10):2187–92

Pulmonary alveolar macrophage function during acute inflammatory lung injury. Brieland JK, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1300–6

Prediction of pulmonary function abnormalities after adult respiratory distress syndrome (ARDS). Elliott CG, et al. **Am Rev Respir Dis** 1987 Mar;135(3):634–8

Airflow-induced bronchospasm. Imbalance between airway cooling and airway drying? Freed AN, et al. **Am Rev Respir Dis** 1987 Sep;136(3):595–9

Effects of hypohydration on lung functions in humans. Javaheri S, et al. **Am Rev Respir Dis** 1987 Mar;135(3):597–9

Severe impairment in lung function induced by high peak airway pressure during mechanical ventilation. An experimental study. Kolobow T, et al. **Am Rev Respir Dis** 1987 Feb;135(2):312–5

The effect of passive smoking on pulmonary function and nonspecific bronchial responsiveness in a population-based sample of children and young adults [published erratum appears in Am Rev Respir Dis 1987 Aug;136(2):532] O'Connor GT, et al. **Am Rev Respir Dis** 1987 Apr; 135(4):800–4

Cross-section study of pulmonary function in patients with

insulin-dependent diabetes mellitus [published erratum appears in Am Rev Respir Dis 1987 May;135(5):1223] Sandler M, et al. **Am Rev Respir Dis** 1987 Jan;135(1):223-9

Central and peripheral airways as determinants of ventilatory function in patients with chronic bronchitis, emphysema, and bronchial asthma. Sasaki H, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1182-9

The relationship of nonspecific bronchial responsiveness to the occurrence of respiratory symptoms and decreased levels of pulmonary function. The Normative Aging Study. Sparrow D, et al. **Am Rev Respir Dis** 1987 Jun; 135(6):1255-60

Lung function in prematurely delivered rabbits treated with a synthetic surfactant. Tooley WH, et al. **Am Rev Respir Dis** 1987 Sep;136(3):651-6

Pulmonary dysfunction is common during a cytomegalovirus infection after renal transplantation even in asymptomatic patients. Possible relationship with complement activation. van Son WJ, et al. **Am Rev Respir Dis** 1987 Sep; 136(3):580-5

Hypertonic saline as a resuscitation solution in hemorrhagic shock: effects on extravascular lung water and cardiopulmonary function. Layon J, et al. **Anesth Analg** 1987 Feb;66(2):154-8

Clinically stable asthmatics have highly reproducible pulmonary function tests. Cissik JH, et al. **Ann Allergy** 1987 Apr;58(4):274-7

Pulmonary function in sickle cell trait. Dillard TA, et al. **Ann Intern Med** 1987 Feb;106(2):191-6

Pulmonary involvement in ankylosing spondylitis. Feltelius N, et al. **Ann Rheum Dis** 1986 Sep;45(9):736-40

Response to bronchodilators assessed by lung mechanics. Greenough A, et al. **Arch Dis Child** 1986 Oct;61(10):1020-3

Method of pulmonary and membrane lung gas exchange measurement during extracorporeal membrane oxygenation. Cilley RE, et al. **ASAIO Trans** 1986 Jul-Sep; 32(1):525-9

Review of 'near-miss' sudden infant death syndrome and results of simplified pneumographic studies. Rahilly PM. **Aust Paediatr J** 1986;22 Suppl 1:53-4

Progression of and recovery from pulmonary oxygen toxicity in humans exposed to 5 ATA air. Eckenhoff RG, et al. **Aviat Space Environ Med** 1987 Jul;58(7):658-67

Pulmonary function in patients on long-term, low-dose methotrexate. Phillips TJ, et al. **Br J Dermatol** 1986 Dec; 115(6):657-62

Cardiorespiratory consequences of unfused idiopathic scoliosis. Branthwaite MA. **Br J Dis Chest** 1986 Oct; 80(4):360-9

Within-breath changes of airway calibre in patients with airflow obstruction by continuous measurement of respiratory impedance. Davidson RN, et al. **Br J Dis Chest** 1986 Oct;80(4):335-52

Respiratory disease and respiratory failure: implications for the young and the old. Newth CJ. **Br J Dis Chest** 1986 Jul;80(3):209-17 (44 ref.)

Respiratory disability in ex-flax workers [letter] Cotes JE. **Br J Ind Med** 1986 Dec;43(12):845

Respiratory effects of a single saturation dive to 300 m. Cotes JE, et al. **Br J Ind Med** 1987 Feb;44(2):76-82

Lung function in workers using cadmium containing solders. Edling C, et al. **Br J Ind Med** 1986 Oct;43(10):657-62

Lung function in coalworkers' pneumoconiosis [letter] Huncharek M. **Br J Ind Med** 1987 Mar;44(3):215-6

Symptoms and longitudinal changes in lung function in young seasonal grain handlers. James AL, et al. **Br J Ind Med** 1986 Sep;43(9):587-91

Respiratory effects of occupational exposure to tobacco dust. Viegi G, et al. **Br J Ind Med** 1986 Dec;43(12):802-8

A study of lung function in coalworkers' pneumoconiosis. Zhicheng S. **Br J Ind Med** 1986 Sep;43(9):644-5

Pulmonary function and alpha-1-antitrypsin levels in patients after so-called idiopathic spontaneous pneumothorax. Pawlowicz A, et al. **Bull Eur Physiopathol Respir** 1987 Jan-Feb;23(1):1-4

The hemodynamics of pulmonary edema. Staub NC. **Bull Eur Physiopathol Respir** 1986 Jul-Aug;22(4):319-22 (Eng, Fre)

Effects of hypoxia on lung mechanics in the newborn cat. Fisher JT, et al. **Can J Physiol Pharmacol** 1987 Jun; 65(6):1234-8

Effects of valvular surgery on overall and regional lung function in patients with mitral stenosis. Ohno K, et al. **Chest** 1987 Aug;92(2):224-8

Pulmonary function in young insulin-dependent diabetic subjects [published erratum appears in Chest 1987 May;91(5):797] Sandler M, et al. **Chest** 1986 Nov; 90(5):670-5

Pulmonary function in the Marfan syndrome. Streeten EA, et al. **Chest** 1987 Mar;91(3):408-12

Superoxide dismutase prevents the thrombin-induced increase in lung vascular permeability: role of superoxide in mediating the alterations in lung fluid balance. Johnson A, et al. **Circ Res** 1986 Oct;59(4):405-15

Transient pulmonary platelet sequestration during endotoxemia in dogs. Gutmann FD, et al. **Circ Shock** 1987; 21(3):185-95

Resuscitation in haemorrhagic shock--pulmonary and renal effects: an adverse effect of stabilised plasma protein solution on renal function? Ramsay G, et al. **Circ Shock** 1987;22(3):261-8

Pulmonary function in older children and young adults with gastroesophageal reflux. Allen JL, et al. **Clin Pediatr (Phila)** 1986 Nov;25(11):541-6

Relation between clinical and roentgenological scores and measures of lung function in cystic fibrosis, with special reference to pulmonary Xenon133 elimination. Ericsson A, et al. **Clin Physiol** 1987 Aug;7(4):275-82

Increased alveolar deadspace after closure of cardiac septal defects: pulmonary air embolism or failure of homeostasis? Fletcher R, et al. **Clin Physiol** 1986 Oct;6(5):423-30

Comparison of computed tomographic lung density with haemodynamic data of the pulmonary circulation. Vock P, et al. **Clin Radiol** 1986 Sep;37(5):459-64

Ventilation and pulmonary mechanics during high-frequency oscillation of immature lungs at birth. Mautone AJ, et al. **Crit Care Med** 1987 Mar;15(3):233-9

Effects of tonicities of saline solutions on pulmonary injury in drowning. Orlowski JP, et al. **Crit Care Med** 1987 Feb; 15(2):126-30

Pulmonary function after hemorrhagic shock in pigs. Moosa HH, et al. **Curr Surg** 1987 May-Jun;44(3):199-201

Changes in pulmonary venous pressure and albumin concentration during treatment of severe diabetic decompensation. Oswald GA, et al. **Diabetes Res** 1987 Feb; 4(2):91-4

Long-term evaluation of esophageal and pulmonary function in patients with repaired esophageal atresia and tracheoesophageal fistula. Biller JA, et al. **Dig Dis Sci** 1987 Sep;32(9):985-90

Pulmonary changes associated with flotation techniques in the treatment of skeletal injuries in the horse. McClintock SA, et al. **Equine Vet J** 1986 Nov;18(6):462-6

Relationships between functional measurements and childhood respiratory diseases according to the age of onset. Kauffmann F, et al. **Eur J Respir Dis** 1987 Feb; 70(2):78-85

Mortality related to smoking habits, respiratory symptoms and lung function. Olofson J, et al. **Eur J Respir Dis** 1987 Aug;71(2):69-76

Rate of decline of lung function in subjects with asthma. Peat JK, et al. **Eur J Respir Dis** 1987 Mar;70(3):171-9

Twelve-minute walking test in a group of Dutch patients with chronic obstructive pulmonary diseases; relationship with functional capacity. Dekhuyzen PN, et al. **Eur J Respir Dis [Suppl]** 1986;146:259-64

Is there a correlation between the changes in the BAL fluid and cells in smokers and COLD patients and the lung function? Huidekoper HJ, et al. **Eur J Respir Dis [Suppl]** 1986;146:233-8

Long-term oxygen therapy vs. IPPB therapy in patients with COLD and respiratory insufficiency: survival and pulmonary hemodynamics. Klein G, et al. **Eur J Respir Dis [Suppl]** 1986;146:409-15

Pulmonary rehabilitation for COPD patients. Make BJ, et al. **Hosp Pract [Off]** 1987 Jan 30;22(1A):26-7, 31-4

Effect of advancing age on cardiopulmonary baroreceptor function in hypertensive men. Sowers JR, et al. **Hypertension** 1987 Sep;10(3):274-9

A study of pulmonary functions and serum theophylline levels in bronchial asthma. Kulpati DD, et al. **Indian J Chest Dis Allied Sci** 1986 Jan-Mar;28(1):1-5

Release of lactoferrin by polymorphonuclear leukocytes after aerosol challenge with Escherichia coli. LaForce FM, et al. **Infect Immun** 1987 Sep;55(9):2293-5

Histamine levels in bronchoalveolar lavage from patients with asthma, sarcoidosis, and idiopathic pulmonary fibrosis. Rankin JA, et al. **J Allergy Clin Immunol** 1987 Feb; 79(2):371-7

A comparison of the effects of sodium cromoglycate and beclomethasone dipropionate on pulmonary function and bronchial hyperreactivity in subjects with asthma. Svendsen UG, et al. **J Allergy Clin Immunol** 1987 Jul; 80(1):68-74

Elevation of superior vena caval pressure increases extravascular lung water after endotoxemia. Allen SJ, et al. **J Appl Physiol** 1987 Mar;62(3):1006-9

High-level quadriplegics perceive lung volume change. Banzett RB, et al. **J Appl Physiol** 1987 Feb;62(2):567-73

Locus of hypoxic vasoconstriction in isolated ferret lungs. Brower RG, et al. **J Appl Physiol** 1987 Jul;63(1):58-65

Effect of volume history on distribution of inspired gas in asthmatics. Filuk RB, et al. **J Appl Physiol** 1987 Mar; 62(3):1179-85

Permeability of barriers to albumin flux in lungs of sheep resuscitated from hemorrhagic shock. Gorin AB, et al. **J Appl Physiol** 1986 Dec;61(6):2156-61

Lung volume changes during acute hypobaric hypoxia [letter] Gray G, et al. **J Appl Physiol** 1986 Oct;61(4):1599

Density dependence of maximal flow is lung volume dependent during bronchoconstriction. Greville HW, et al. **J Appl Physiol** 1987 Feb;62(2):691-705

Effect of hypoproteinemia on lung fluid balance in awake newborn lambs. Hazinski TA, et al. **J Appl Physiol** 1986 Sep;61(3):1139-48

Rebreathing lung tissue volume of sheep with normal and edematous lungs. Huchon GJ, et al. **J Appl Physiol** 1986 Sep;61(3):1132-8

Effect of systemic venous pressure elevation on lymph flow and lung edema formation. Laine GA, et al. **J Appl Physiol** 1986 Nov;61(5):1634-8

Influence of hypoxia on histamine and leukotriene release from dispersed porcine lung cells. Paterson NA. **J Appl Physiol** 1986 Nov;61(5):1790-5

Lung mechanics and connective tissue proteins in diabetic Bio-Breeding/Worcester Wistar rats. Sahebjami H, et al. **J Appl Physiol** 1987 Apr;62(4):1430-5

Choking phenomena in a lung-like model. Elad D, et al. **J Biomech Eng** 1987 Feb;109(1):1-9

Lungs under cyclic compression and expansion. Tao ZL, et al. **J Biomech Eng** 1987 May;109(2):160-2

Pulmonary function in thyroid carcinoma metastatic to the lung. Aldrich LB, et al. **J Endocrinol Invest** 1987 Apr; 10(2):111-6

Effect of aerosolized Escherichia coli and Staphylococcus aureus on iron and iron-binding proteins in lung lavage fluid. LaForce FM, et al. **J Infect Dis** 1986 Dec; 154(6):959-65

Receptor-mediated ingestion responses by lung macrophages from a canine model of ARDS. Tabor DR, et al. **J Leukocyte Biol** 1987 Jun;41(6):539-43

Respiratory symptoms and pulmonary function in farmers. Dosman JA, et al. **J Occup Med** 1987 Jan;29(1):38-43

Serial determination of pulmonary function in infants with chronic lung disease. Gerhardt T, et al. **J Pediatr** 1987 Mar;110(3):448-56

Pulmonary follow-up of moderately low birth weight infants with and without respiratory distress syndrome. Mansell AL, et al. **J Pediatr** 1987 Jan;110(1):111-5

Effect of surgical repair on respiratory mechanics in congenital diaphragmatic hernia. Sakai H, et al. **J Pediatr** 1987 Sep;111(3):432-8

Nutritional rehabilitation in cystic fibrosis: controlled studies of effects on nutritional growth retardation, body protein turnover, and course of pulmonary disease. Shepherd RW, et al. **J Pediatr** 1986 Nov;109(5):788-94

Lung function in patients with ankylosing spondylitis. A study of the influence of disease activity and treatment with nonsteroidal antiinflammatory drugs. Franssen MJ, et al. **J Rheumatol** 1986 Oct;13(5):936-40

Pulmonary function in children with congenital heart disease. Ho TF, et al. **J Singapore Paediatr Soc** 1986;28(1-2):85-93

Cardiopulmonary hypoxic response 5 years postpneumonectomy in beagles. Murray GF, et al. **J Surg Res** 1986 Sep;41(3):236-44

Dilatation, compensatory growth, or both after pneumonectomy during childhood and adolescence. A thirty-year follow-up study. Laros CD, et al. **J Thorac Cardiovasc Surg** 1987 Apr;93(4):570-6

Poor oxygenation in the lungs of patients with hyperosmolar hyperglycemic non-ketotic diabetic coma after cardiac surgery. Seki S. **Jpn J Surg** 1987 Mar;17(2):123-9

Cuprophan reuse and intradialytic changes of lung diffusion capacity and blood gases. Vanholder RC, et al. **Kidney Int** 1987 Jul;32(1):117-22

Combination of saline instillation with artificial ventilation damages bronchial surfactant [letter] Lachmann B. **Lancet** 1987 Jun 13;1(8546):1375

Lung pathogenesis. VI. The rule of increase in complexity and diversity in the dynamics of lung pathological processes: cohesional and propelling sequences (a systemic approach). Eskenasy A. **Morphol Embryol (Bucur)** 1986 Jul-Sep;32(3):175-86 (26 ref.)

Ineffective breathing pattern related to decreased lung expansion. Hopp LJ, et al. **Nurs Clin North Am** 1987 Mar; 22(1):193-206

Fiberbronchoscopy and functional lung exploration. Catena E, et al. **Panminerva Med** 1986 Jul-Sep;28(3):177-80

Regional lung function following sleeve lobectomy. Ratto GB, et al. **Panminerva Med** 1986 Oct-Dec;28(4):335-8

Lung function in infancy and childhood following neonatal intensive care. Arad I, et al. **Pediatr Pulmonol** 1987 Jan-Feb;3(1):29-33

Lung function and bronchial responsiveness in children who had infantile bronchiolitis. Duiverman EJ, et al. **Pediatr Pulmonol** 1987 Jan-Feb;3(1):38-44

Cardiopulmonary function of cats with respiratory distress induced by N-nitroso N-methylurethane. Richardson P, et al. **Pediatr Pulmonol** 1986 Sep-Oct;2(5):296-302

The role of granulocytes in the pulmonary response to group B streptococcal toxin in young lambs. Engelhardt B, et al. **Pediatr Res** 1987 Feb;21(2):159-65

Dynamics of extravascular lung water in major burns. Laggner AN, et al. **Prog Clin Biol Res** 1987;236B:145-51

Intravascular starling forces and extravascular lung water in advanced septic shock states. Zadrobilek E, et al. **Prog Clin Biol Res** 1987;236B:139-44

LTB4 mediated hypoxemia in guinea pigs: relationship to pulmonary and cardiovascular pathophysiology. Lee CW, et al. **Prostaglandins** 1987 Jan;33(1):3-16

Lung function and within-breath changes in resistance in patients who have had a laryngectomy. Davidson RN, et al. **Q J Med** 1986 Aug;60(232):753-62

Alteration of lung mechanics by protein-calorie malnutrition in weaned rats. Kalenga M, et al. **Respir Physiol** 1987 Apr; 68(1):29-39

Effects of hypercapnia on phrenic and stretch receptor responses to lung inflation. Mitchell GS, et al. **Respir Physiol** 1987 Jun;68(3):319-30

Etiology of the pulmonary pathophysiology associated with inhalation injury. Herndon DN, et al. **Resuscitation** 1986 Sep;14(1-2):43-59

Pulmonary function in sarcoidosis. Benjamin RG, et al. **Sarcoidosis** 1984 Sep;1(1):50-2

Lung function in relation to thoracic spinal mobility and kyphosis. Mellin G, et al. **Scand J Rehabil Med** 1987;

19(2):89–92
Effect of fibrin sealant on the tensile strength of rat visceral pleura. Bense L, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(2):179–80
Airway hyperresponsiveness and axon reflex in asthma [letter] Umeki S, et al. **South Med J** 1987 May;80(5):667–8
Comparison of the postburn hyperdynamic state and changes in lung function (effect of wound bacterial content). Demling RH, et al. **Surgery** 1986 Nov;100(5):828–35
The pulmonary and systemic response to recurrent endotoxemia in the adult sheep. Demling RH, et al. **Surgery** 1986 Nov;100(5):876–83
The immediate effect of burn wound excision on pulmonary function in sheep: the role of prostanoids, oxygen radicals, and chemoattractants. Demling RH, et al. **Surgery** 1987 Jan;101(1):44–55
Number of patients required in lung function studies. Davison AG, et al. **Thorax** 1986 Nov;41(11):830–2
Effect of abdominal binders on breathing in tetraplegic patients. Goldman JM, et al. **Thorax** 1986 Dec;41(12):940–5
Rate of improvement of pulmonary function in sarcoidosis during treatment with corticosteroids. Goldstein DS, et al. **Thorax** 1986 Jun;41(6):473–4
Influence of circulating alpha aJrenoceptor agonists on lung function in patients with exercise induced asthma and healthy subjects. Larsson K, et al. **Thorax** 1986 Jul; 41(7):552–8
Lung function changes after allogenic bone marrow transplantation. Link H, et al. **Thorax** 1986 Jul;41(7):508–12
Ventilation and gas exchange during sleep in patients with interstitial lung disease. McNicholas WT, et al. **Thorax** 1986 Oct;41(10):777–82
Airway response to methacholine during exercise induced refractoriness in asthma. Magnussen H, et al. **Thorax** 1986 Sep;41(9):667–70
Value of serial peak expiratory flow measurements in assessing treatment response in chronic airflow limitation. Mitchell DM, et al. **Thorax** 1986 Aug;41(8):606–10
Decline of FEV1. Oldham PD. **Thorax** 1987 Mar;42(3):161–4
Interpretation of the variability of peak flow rates in chronic bronchitis. Ramsdale EH, et al. **Thorax** 1986 Oct; 41(10):771–6
Effect of oral salbutamol on mucociliary clearance mechanisms in the lungs. Isawa T, et al. **Tohoku J Exp Med** 1986 Sep;150(1):51–61
Cytomegalovirus infection after renal transplantation. Pulmonary dysfunction measured by decreased diffusing capacity for carbon monoxide in patients with symptomatic and asymptomatic infection. van Son WJ, et al. **Transplantation** 1987 Jul;44(1):149–50
[Determination of the partial mean transit time of high lung volumes and its clinical evaluation] Luo YJ, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Jun;17(2):153–6 (Eng. Abstr.) **(Chi)**
[Postanesthetic recovery of pulmonary function] Tseng SC, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Dec;24(4):271–6 (Eng. Abstr.) **(Chi)**
[And then the parrot appeared (letter)] **Ned Tijdschr Geneeskd** 1986 Nov 8;130(45):2047–8 **(Dut)**
[Relation between respiratory function, bronchial reactivity and symptoms in heavy smokers] Vincent A, et al. **Schweiz Med Wochenschr** 1986 Sep 13;116(37):1275–80 (Eng. Abstr.) **(Fre)**
[Desensitization of beta-adrenergic receptors at the bronchopulmonary level] Advenier C, et al. **Therapie** 1986 Nov–Dec;41(6):455–60 (61 ref.) (Eng. Abstr.) **(Fre)**
[Mechanisms of allergic reactions and potential therapeutic approach in childhood bronchial asthma] Kraemer R. **Schweiz Rundsch Med Prax** 1987 May 19;76(21):581–5 (Eng. Abstr.) **(Ger)**
[Effects of preoperative exercise training on pulmonary function in elderly patients] Takeuchi Y. **Fukuoka Igaku Zasshi** 1987 Mar;78(3):105–20 (Eng. Abstr.) **(Jpn)**
[Airway response in adult asthmatics] HorieT, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan;25(1):74–9 (Eng. Abstr.) **(Jpn)**
[Pulmonary function in 122 cases of sarcoidosis] Suzuki K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Dec; 24(12):1309–14 (Eng. Abstr.) **(Jpn)**
[An autopsy case of liver cirrhosis showing extramedullary hematopoiesis of the lung by bone marrow scintigraphy with 111In-chloride] Saijo N, et al. **Rinsho Hoshasen** 1986 Aug;31(8):945–7 (Eng. Abstr.) **(Jpn)**
[Pulmonary function and pulmonary circulation in patients with chronic bronchitis after many years' observation] Chodosowska E. **Pneumonol Pol** 1986 Sep;54(9):394–400 (Eng. Abstr.) **(Pol)**
[Pulmonary function in children with lymphoblastic leukemia during remission] Milanowski A, et al. **Pneumonol Pol** 1986 Dec;54(12):541–5 (Eng. Abstr.) **(Pol)**
[Pulmonary dysfunction study of children with chronic respiratory symptoms] Biscă N, et al. **Rev Ig [Pneumoftiziol]** 1986 Oct–Dec;35(4):341–62 (Eng. Abstr.) **(Rum)**
[Ventilation and blood flow of the solitary lung in the early postoperative period (data of zonal rheography)] Ivan'ko TP, et al. **Grudn Khir** 1987 Mar–Apr;(2):75–8 (Eng. Abstr.) **(Rus)**
[Clinico-functional evaluation of the results of lung resection in children] Leniushkin AI, et al. **Grudn Khir** 1986 Nov–Dec;(6):52–6 (Eng. Abstr.) **(Rus)**
[Characteristics of pulmonary hemodynamic reactions as dependent on the extent of bronchial obstruction] Lebedeva ES, et al. **Patol Fiziol Eksp Ter** 1987 Jan–Feb;(1):52–6 (Eng. Abstr.) **(Rus)**
[Functional and structural-metabolic changes in the lung of intact rats exposed to hyperbaric oxygenation] Rogatskiĭ GG, et al. **Patol Fiziol Eksp Ter** 1987 Jan–Feb;(1):56–9 (Eng. Abstr.) **(Rus)**
[Recovery of lung airtightness after resection using temporary bronchial occlusion] Al'tman EI, et al. **Probl Tuberk** 1986;(9):37–40 (Eng. Abstr.) **(Rus)**
[Functional status of the lungs in systemic scleroderma] Koreshkov GG, et al. **Revmatologiia (Moskva)** 1986 Oct–Dec;(4):44–7 (Eng. Abstr.) **(Rus)**
[Pulmonary function of patients with bird-breeders' exogenous allergic alveolitis] Nefedov VB, et al. **Ter Arkh** 1987;59(3):76–8 (Eng. Abstr.) **(Rus)**
[Comprehensive clinical x-ray-radionuclide study of lung function in penetrating chest injuries] Cheremisin VM, et al. **Vestn Khir** 1987 Apr;138(4):66–72 (Eng. Abstr.) **(Rus)**
[Reactivity of the smooth muscle of the respiratory tract in cats to histamine and acetylcholine administration in vitro after repeated administration of croton oil aerosol] Bánovčin P, et al. **Bratisl Lek Listy** 1986 Sep;86(3):324–31 (Eng. Abstr.) **(Slo)**
[Lung function tests in obstructive and inflammatory diseases of the nose and paranasal sinuses] Hajtman A, et al. **Cesk Otolaryngol** 1986 Nov;35(6):361–4 (Eng. Abstr.) **(Slo)**
[Pulmonary involvement in systemic lupus erythematosus] Grisanti M. **Rev Med Chil** 1986 Sep;114(9):896–900 (Eng. Abstr.) **(Spa)**
[Pulmonary function in cardiac diseases] Oyarzun M. **Rev Med Chil** 1986 Mar;114(3):263–7 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Dose rate dependence of response of mouse lung to irradiation. Lehnert S, et al. **Br J Radiol** 1985 Aug; 58(692):745–9
Repair in mouse lung of multifraction X rays and neutrons: extension to 40 fractions. Parkins CS, et al. **Br J Radiol** 1985 Nov;58(695):1097–103
A cautionary note on the resolution of paraquat lung damage after radiotherapy. Parkins CS, et al. **Br J Radiol** 1985 Nov; 58(695):1137–40
Lung irradiation for paraquat toxicity [letter] Williams MV, et al. **Br J Radiol** 1985 Nov;58(695):1144
Parallel increase of plasma fibronectin and perchlorosoluble serum glycoproteins in radiation-induced lung damage. Lafuma C, et al. **Clin Physiol Biochem** 1987;5(2):61–9
Radiation effects in the lung. Coggle JE, et al. **Environ Health Perspect** 1986 Dec;70:261–91 (312 ref.)
Actinomycin D and radiation: effects on mouse lung. Hill SA, et al. **Eur J Cancer Clin Oncol** 1986 May;22(5):577–82
Paraquat lung: is there a role for radiotherapy? Williams MV, et al. **Hum Toxicol** 1987 Jan;6(1):75–81
The validity of different methods of analysis of 133Xe washout curves for the determination of lung function. Rezvani M, et al. **Int J Rad Appl Instrum [B]** 1986; 13(3):245–51
Proliferation of type II pneumonocytes after X-irradiation. Coggle JE. **Int J Radiat Biol** 1987 Mar;51(3):393–9
The effect of low dose-rate and cyclophosphamide on the radiation tolerance of the mouse lung. Lockhart SP, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1437–40
Acute radiation-induced pulmonary damage: a clinical study on the response to fractionated radiation therapy. Mah K, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb;13(2):179–88
Computed tomographic assessment of radiation induced damage in the lung of normal and WR 2721 protected LAF1 mice. Miller GG, et al. **Int J Radiat Oncol Biol Phys** 1986 Nov;12(11):1971–5
WR 2721 modification of type II cell and endothelial cell function in mouse lung after single doses of radiation. Travis EL, et al. **Int J Radiat Oncol Biol Phys** 1987 Sep; 13(9):1355–9
Changes in lung morphology and cell number in radiation pneumonitis and fibrosis: a quantitative ultrastructural study. Vergara JA, et al. **Int J Radiat Oncol Biol Phys** 1987 May;13(5):723–32
Functional responses of the pulmonary endothelium to thoracic irradiation in rats: differential modification by D-penicillamine. Ward WF, et al. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1505–13
Altered pulmonary epithelial permeability in canine radiation lung injury. Ahmed IH, et al. **J Appl Physiol** 1986 Sep; 61(3):971–81
Acute effects of thoracic irradiation on lung function and structure in awake sheep. Loyd JE, et al. **J Appl Physiol** 1987 Jan;62(1):208–18
A macroscopic model of lungs and a material simulating their properties at radio and microwave frequencies. Kraszewski A, et al. **J Microwave Power** 1986;21(4):233–40
Irradiation damage to the lung. Fennessy JJ. **J Thorac Imaging** 1987 Jul;2(3):68–79
Thromboxane release from irradiated perfused rat lungs: role of oncotic agents. Heinz TR, et al. **Life Sci** 1987 Jul 27; 41(4):479–84
Influence of the physical state and straggling on the computation of the radiation dose due to radon daughters deposited in the lung. Haque AK, et al. **Phys Med Biol** 1987 Aug;32(8):1001–9
Replicative activity of lung type 2 cells following lung X irradiation. Gross NJ, et al. **Radiat Res** 1987 Jul; 111(1):143–50
The effects of ionizing radiation on the pulmonary vasculature of intact rats and isolated pulmonary endothelium. Kwock L, et al. **Radiat Res** 1987 Aug; 111(2):276–91
Effects of protraction of the alpha dose to the lungs of mice by repeated inhalation exposure to aerosols of 239PuO2. Lundgren DL, et al. **Radiat Res** 1987 Aug;111(2):201–24
Cell–cell matrix interactions in induced lung injury. IV. Quantitative alterations in pulmonary fibronectin and laminin following X irradiation. Rosenkrans WA Jr, et al. **Radiat Res** 1987 Jan;109(1):127–42
Pulmonary endothelial dysfunction induced by unilateral as compared to bilateral thoracic irradiation in rats. Ward WF, et al. **Radiat Res** 1987 Jul;111(1):101–6
Fractionated lung irradiation in young pigs with 6.2 MeV neutrons and cobalt-60. Herrmann T, et al. **Radiother Oncol** 1986 Sep;7(1):69–75
The effect of N-acetylcysteine inhalation on the tolerance to thoracic radiation in mice. Tarbell NJ, et al. **Radiother Oncol** 1986 Sep;7(1):77–80
Effects of high energy particle (HZE) radiation on the distal lung. Penney DP, et al. **Scanning Microsc** 1987 Mar; 1(1):283–9
[Early cell repair of the lung and the intestine in mice, after irradiation by fast neutrons and gamma rays] Grégoire V, et al. **C R Soc Biol (Paris)** 1986;180(3):372–8 (Eng. Abstr.) **(Fre)**
[Computerized tomography studies in the assessment of radiogenic pneumopathy in an animal experiment] Tellkamp H, et al. **Digitale Bilddiagn** 1986 Dec;6(4):161–4 (Eng. Abstr.) **(Ger)**
[Detection of radiogenic lung changes by comparing roentgen image, computerized tomography, scintigraphy and lung function] Mildenberger P, et al. **Med Klin** 1987 Apr 10;82(7–8):259–64 (Eng. Abstr.) **(Ger)**
[Pulmonary reaction to radiation as depicted in chest x-rays following megavolt therapy of breast cancer] Slanina J, et al. **Radiologe** 1987 Apr;27(4):181–91 (Eng. Abstr.) **(Ger)**
[Repair mechanisms of the lung—experimental and clinical results] Herrmann T, et al. **Strahlenther Onkol** 1987 Jun; 163(6):370–7 (Eng. Abstr.) **(Ger)**
[Current clinical aspects of changes in the lung parenchyma caused by the interaction of polychemotherapy and radiotherapy in the treatment of small cell bronchial cancer] Gärtner C, et al. **Z Gesamte Inn Med** 1987 Jan 1;42(1):23–7 (Eng. Abstr.) **(Ger)**
[Radiological aspect of the irradiated lung] Guzzon A, et al. **Radiol Med (Torino)** 1986 Oct;72(10):743–59 (80 ref.) **(Ita)**
[Experimental study on prophylactic whole lung irradiation for metastases of murine RCT sarcoma with special reference to effectiveness and side effects] Matsui H. **Nippon Gan Chiryo Gakkai Shi** 1986 May 20;21(4):786–96 (Eng. Abstr.) **(Jpn)**
[Lipid peroxidation in the irradiated lung of a mouse] Hashimura T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Feb 25; 47(2):326–8 (Eng. Abstr.) **(Jpn)**
[Radiobiological effect of alpha-emitting nuclides incorporated in the lungs. Microdistribution of radioactive material and the problem of radiation protection] Kut'kov VA, et al. **Radiobiologiia** 1986 Sep–Oct;26(5):642–6 (Eng. Abstr.) **(Rus)**
[Morphological changes in the lungs after single whole-body irradiation in rabbits] Rešl M, et al. **Radiobiologiia** 1987 Jul–Aug;27(4):532–5 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Long-term follow-up of ventilator treated low birthweight infants. I. Chest X-ray, pulmonary mechanics, clinical lung disease and growth. Lindroth M, et al. **Acta Paediatr Scand** 1986 Sep;75(5):819–26
Studies on pulmonary ventilation using digital subtraction radiography. A preliminary report. Björk L. **Acta Radiol [Diagn] (Stockh)** 1986 Nov–Dec;27(6):661–6
The reverse lordotic view for visualization of the lung bases [letter] Gehl JJ, et al. **AJR** 1987 Mar;148(3):651–2
The morbidity and mortality of vermiculite miners and millers exposed to tremolite-actinolite: Part III. Radiographic findings. Amandus HE, et al. **Am J Ind Med** 1987;11(1):27–37
Pressure-volume curve of total respiratory system in acute respiratory failure. Computed tomographic scan study. Gattinoni L, et al. **Am Rev Respir Dis** 1987 Sep; 136(3):730–6
Evidence for destruction of lung tissues during Pneumocystis carinii infection. Eng RH, et al. **Arch Intern Med** 1987 Apr; 147(4):746–9
Foreign body in the lung for 45 years without symptoms. Thomas V, et al. **Br J Dis Chest** 1986 Jul;80(3):292–4
Radiological irregular opacities and coalwork exposure: a case-referent study. Cockcroft A, et al. **Br J Ind Med** 1987 Jul;44(7):484–7
Coalworkers' pneumoconiosis: correlation between opacity profusion and number and type of dust lesions with special reference to opacity type. Fernie JM, et al.

Br J Ind Med 1987 Apr;44(4):273–7

The effect of the respiratory cycle on mediastinal and lung dimensions in Hodgkin's disease. Implications for radiotherapy gated to respiration. Willett CG, et al. **Cancer** 1987 Sep 15;60(6):1232–7

Severe hypoxemia in farmer's lung disease with normal findings on chest roentgenogram. Arshad M, et al. **Chest** 1987 Feb;91(2):274–5

CT of the lung parenchyma and the pulmonary function test. Sider L, et al. **Chest** 1987 Sep;92(3):406–10

Lung imaging. Past as prologue. Wagner HN Jr. **Chest** 1987 Aug;92(2):353–9

Measurement of lung density by x-ray computed tomography. Relation to lung mechanics in workers exposed to asbestos cement. Wollmer P, et al. **Chest** 1987 Jun;91(6):865–9

The chest radiograph in whooping cough. Bellamy EA, et al. **Clin Radiol** 1987 Jan;38(1):39–43

Radiologic total lung capacity measurement. Development and evaluation of a computer-based system. Seeley GW, et al. **Eur J Radiol** 1986 Nov;6(4):262–5

Radiological evaluation of early pleural and pulmonary changes in light asbestos exposure. Lundorf E, et al. **Eur J Respir Dis** 1987 Mar;70(3):145–9

Unusual radiological manifestations of Q fever. Seggev JS, et al. **Eur J Respir Dis** 1986 Aug;69(2):120–2

CT measurement of lung density: the role of patient position and value for total body irradiation. Lagrange JL, et al. **Int J Radiat Oncol Biol Phys** 1987 Jun;13(6):941–4

Is correction for lung density in radiotherapy treatment planning necessary? McKenna WG, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb;13(2):273–8

High-resolution computed tomography of the pig lung. Todo G, et al. **Invest Radiol** 1986 Sep;21(9):689–96

Usefulness of routine preoperative chest roentgenograms in elderly patients. Boghosian SG, et al. **J Am Geriatr Soc** 1987 Feb;35(2):142–6

Radiologic-pathologic correlation of the CT halo sign in invasive pulmonary aspergillosis. Hruban RH, et al. **J Comput Assist Tomogr** 1987 May-Jun;11(3):534–6

Usefulness of chest radiographs in children with acute lower respiratory tract disease. Alario AJ, et al. **J Pediatr** 1987 Aug;111(2):187–93

Interventional radiology in the thorax. **J Thorac Imaging** 1987 Apr;2(2):1–80

Asymptomatic opacity of the left hemithorax in an adult. La Delfa I, et al. **JAMA** 1987 Jan 9;257(2):225–6

New radiological manifestation of Texidor's twinge [letter] Dawson P, et al. **Lancet** 1987 Apr 25;1(8539):978–9

Pneumonia presenting as a radiographic mass in a child. Leonidas JC. **Mt Sinai J Med (NY)** 1986 Jun;53(6):489–90

Pulmonary hyperinflation and emphysema in infants with the Marfan syndrome. Dominguez R, et al. **Pediatr Radiol** 1987, 17(5):365–9

Dense pulmonary opacification in neonates treated with extracorporeal membrane oxygenation. Schlesinger AE, et al. **Pediatr Radiol** 1986;16(6):448–51

The left minor fissure. Austin JH. **Radiology** 1986 Nov; 161(2):433–6

Reinforced endotracheal tube placement: radiographic misdiagnosis. Gorback MS, et al. **Radiology** 1987 Feb; 162(2):579

Bronchoalveolar lavage: radiographic manifestations. Gurney JW, et al. **Radiology** 1987 Apr;163(1):71–4

Changes on radiographs of wives of workers exposed to asbestos. Sider L, et al. **Radiology** 1987 Sep;164(3):723–6

Usual interstitial pneumonia: correlation of CT with clinical, functional, and radiologic findings. Staples CA, et al. **Radiology** 1987 Feb;162(2):377–81

Pulmonary lymphangitic spread of carcinoma: appearance on CT scans. Stein MG, et al. **Radiology** 1987 Feb; 162(2):371–5

Exogenous lung surfactant: effect on radiographic appearance in premature infants. Wood BP, et al. **Radiology** 1987 Oct;165(1):11–3

Radiographic evidence of pulmonary dysfunction in anaesthetised cattle. Watney GC. **Res Vet Sci** 1986 Sep; 41(2):162–71

The chest radiograph and sarcoidosis [letter] **Sarcoidosis** 1987 Mar;4(1):84–5

The visualisation of pathological changes on chest X ray [letter] Crane MD. **Sarcoidosis** 1986 Mar;3(1):79

Cystic fibrosis in childhood: pulmonary, paranasal sinus, and skeletal manifestations. Amodio JB, et al. **Semin Roentgenol** 1987 Apr;22(2):125–35

Chest radiographic findings in the adult with cystic fibrosis. Friedman PJ. **Semin Roentgenol** 1987 Apr;22(2):114–24

Let's add chest x-ray to breast cancer screening [letter] Abrams RH. **Tex Med** 1987 Mar;83(3):10

Computed tomography based estimates of regional gas and tissue volume of the lung in supine subjects with chronic airflow limitation or fibrosing alveolitis. Millar AB, et al. **Thorax** 1986 Dec;41(12):932–9

Value of computed tomography for selecting patients with bullous lung disease for surgery. Morgan MD, et al. **Thorax** 1986 Nov;41(11):855–62

Large lung bullae in sarcoidosis. Packe GE, et al. **Thorax** 1986 Oct;41(10):792–7

[X-ray diagnosis of solitary segmental and lobar pulmonary tuberculosis: a radiologic-pathologic correlative study of 52 cases] Li TY. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Jun;20(3):135–7 (Eng. Abstr.) **(Chi)**

[Relation between the anatomy and radiological diagnosis of pulmonary lobule and acinus] Yang HB. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Oct;20(5):313–6 (7 ref.) **(Chi)**

[Pulmonary alveolar proteinosis. Apropos of a case. The value of mm.-thick CAT scan sections. A pulmonary lobe anatomic approach] Senac JP, et al. **J Radiol** 1986 May; 67(5):391–5 (Eng. Abstr.) **(Fre)**

[Pulmonary manifestations of malaria] Rauber K, et al. **ROFO** 1987 May;146(5):507–10 (Eng. Abstr.) **(Ger)**

[Radiological aspect of the irradiated lung] Guzzon A, et al. **Radiol Med (Torino)** 1986 Oct;72(10):743–59 (80 ref.) **(Ita)**

[A case of Swyer-James syndrome] Narita H, et al. **Kokyu To Junkan** 1987 Mar;35(3):341–5 (Eng. Abstr.) **(Jpn)**

[Computed tomographic diagnosis of pulmonary nodules] Onoue M. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Sep 25;46(9):1094–111 (Eng. Abstr.) **(Jpn)**

[Computed tomography in diffuse pulmonary diseases] Todo G, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Nov 25;46(11):1281–95 (Eng. Abstr.) **(Jpn)**

[Radiological interpretation of neonatal lungs for general diagnostic radiologists] Fujioka M. **Rinsho Hoshasen** 1987 Mar;32(3):361–72 (5 ref.) (Eng. Abstr.) **(Jpn)**

[Pulmonary changes in poisoning with petroleum derivatives] Egge T et al. **Tidsskr Nor Laegeforen** 1987 May 30; 107(15):1356–8 (Eng. Abstr.) **(Nor)**

[Swyer-James-MacLeod syndrome—clinico-radiologic aspects apropos of a clinical case] de Castro A, et al. **Acta Med Port** 1986 May-Jun;7(3):127–30 (Eng. Abstr.) **(Por)**

[Clinical value of the expert assessment of roentgenologic changes in the lungs of children with mucoviscidosis] Rachinskii SV, et al. **Probl Tuberk** 1986;(10):36–41 (Eng. Abstr.) **(Rus)**

[Changes in the lungs in Wegener's granulomatosis] Prokhorov EP, et al. **Sov Med** 1986;(7):87–9 **(Rus)**

[Assessment of the x-ray picture of the lungs of healthy young infants] Bogadel'nikov IV, et al. **Vestn Rentgenol Radiol** 1987 May-Jun;(3):74–5 **(Rus)**

[X-ray diagnosis of pulmonary mucoviscidosis in children and adults] Kartavova VA, et al. **Vestn Rentgenol Radiol** 1987 May-Jun;(3):27–32 (Eng. Abstr.) **(Rus)**

[New methods of producing an image in pulmonology] Kitaev VV. **Vestn Rentgenol Radiol** 1986 Jul-Aug;(4):80–4 (59 ref.) **(Rus)**

[Segmental structure of the lungs in computed tomographic imaging] Kolesnikova EK, et al. **Vestn Rentgenol Radiol** 1987 Mar-Apr;(2):59–66 (Eng. Abstr.) **(Rus)**

[Roentgenologic diagnosis of lung lesions in Wegener's granulomatosis] Parizhskiĭ ZM, et al. **Vestn Rentgenol Radiol** 1986 Nov-Dec;(6):25–32 (Eng. Abstr.) **(Rus)**

[A case of superinfection with Mycobacterium avium in a previously changed pulmonary field due to human tuberculosis] Nurkić M, et al. **Plucne Bolesti** 1986 Jan-Mar; 38(1):42–5 (Eng. Abstr.) **(Ser)**

[Radiological study of carcinoma of the lung in stage III] Bascuas S, et al. **Rev Esp Oncol** 1985;32(2):343–8 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

Impact of lung scanning on the management of suspected pulmonary embolism [editorial] Dawley D, et al. **Am Heart J** 1987 Sep;114(3):669–71

Normal lung perfusion scan with extensive thromboembolic disease. Brandstetter RD, et al. **Chest** 1987 Sep;92(3):565–7

A comparative study of intravenous digital subtraction angiography and ventilation-perfusion scans in suspected pulmonary embolism. Piers DB, et al. **Chest** 1987 Jun; 91(6):837–43

Lung imaging. Past as prologue. Wagner HN Jr. **Chest** 1987 Aug;92(2):353–9

Diffuse lung uptake of technetium-99m sulfur colloid associated with fatty liver disease of pregnancy. Blend MJ, et al. **Clin Nucl Med** 1987 Apr;12(4):287–9

Radionuclide demonstration of systemic arterial supply to the lung in Takayasu's arteritis. Hardoff R, et al. **Clin Nucl Med** 1987 Jun;12(6):479–81

Fetal dosimetry from pulmonary imaging in pregnancy. Revised estimates. Ponto JA. **Clin Nucl Med** 1986 Feb; 11(2):108–9

Artifactual focal lung activity with indium-111 labeled leukocytes. A technical pitfall. Simerman L, et al. **Clin Nucl Med** 1986 Dec;11(12):840–1

Quantitation of right-to-left shunt ratio in patients with pulmonary telangiectasia by technetium-99m MAA lung perfusion imaging. Suzuki Y. **Clin Nucl Med** 1986 Feb; 11(2):84–7

Ventilation/perfusion mismatch of one lung in a patient with Takayasu's arteritis. Suzuki Y. **Clin Nucl Med** 1986 Oct; 11(10):733–4

Lung scan in a cardiac patient with Glenn anastomosis. Tiu S, et al. **Clin Nucl Med** 1987 Jul;12(7):567–8

Unexplained technetium-99m DTPA uptake by lung. Wilson FM, et al. **Clin Nucl Med** 1987 Jun;12(6):487–8

Abnormal gallium scintigraphy in pulmonary alveolar proteinosis (PAP). Yeh SD, et al. **Clin Nucl Med** 1987 Apr; 12(4):294–7

Distributions of an ultra-fine 99Tcm aerosol and 81Krm gas in human lungs compared using a gamma camera. Arnot RN, et al. **Clin Phys Physiol Meas** 1986 Nov;7(4):345–59

Beta-2-adrenoceptor agonists as inhibitors of lung vascular permeability to radiolabelled transferrin in the adult respiratory distress syndrome in man. Basran GS, et al. **Eur J Nucl Med** 1986;12(8):381–4

Diagnostic and prognostic criteria of chronic left ventricular failure obtained during exercise-201Tl imaging. Bureau JF, et al. **Eur J Nucl Med** 1987;12(12):613–6

Dynamic imaging of the compliant perfusion of the lungs. de Lima JJ, et al. **Eur J Nucl Med** 1986;12(5–6):258–62

The distribution of lung damage in children with cystic fibrosis and its relationship to colonisation with Pseudomonas aeruginosa. Evans I, et al. **Eur J Nucl Med** 1987;12(12):620–2

A new radiographic method for cardiac output and cardiac shunt determination in vivo. Meyer H, et al. **Eur J Nucl Med** 1986;12(9):421–8

The use of a computer in ventilation-perfusion scintigraphy with Tc-99m macroaggregates and Kr-81m, to obtain a physiological model. Teertstra HJ, et al. **Eur J Nucl Med** 1987;13(1):24–7

Diagnostic value of ventilation-perfusion lung scanning in patients with suspected pulmonary embolism. Alderson PO, et al. **Invest Radiol** 1987 Jan;22(1):87–90

Ventilation scintigraphy with submicronic radioaerosol as an adjunct in the diagnosis of congenital lobar emphysema. Loewy J, et al. **J Nucl Med** 1987 Jul;28(7):1213–7

Positron emission tomography in the lung. Hughes JM, et al. **J Thorac Imaging** 1985 Dec;1(1):79–88 (38 ref.)

The relationship of dyspnea on exertion to stress-induced thallium-201 lung uptake. Graf JH, et al. **Mt Sinai J Med (NY)** 1987 May;54(4):324–9

Technegas—a new ventilation agent for lung scanning. Burch WM, et al. **Nucl Med Commun** 1986 Dec;7(12):865–71

The stability of 99Tcm-DTPA in an aerosol delivery system. Pearson D, et al. **Nucl Med Commun** 1986 Oct;7(10):755–60

On the theory of the measurement of the first-pass pulmonary extraction using the indicator dilution technique. Akber SF. **Nuklearmedizin** 1987 Feb;26(1):20–7

Pulmonary arterial hypertension: value of perfusion scintigraphy. Powe JE, et al. **Radiology** 1987 Sep; 164(3):727–30

Clinical outcomes of patients with suspected pulmonary embolism and low-probability aerosol-perfusion scintigrams. Smith R, et al. **Radiology** 1987 Sep; 164(3):731–3

Does activity of pulmonary sarcoidosis depend on disease duration? A correlation between bronchoalveolar lavage, scintigraphic, radiologic, and physiologic parameters and time of onset of the disease. Sanguinetti CM, et al. **Sarcoidosis** 1987 Mar;4(1):18–24

Comparison of clinical parameters, bronchoalveolar lavage, gallium-67 lung uptake, and serum angiotensin converting enzyme in assessing the activity of sarcoidosis. Staton GW Jr, et al. **Sarcoidosis** 1986 Mar;3(1):10–8

Analysis of homogeneity of alveolitis in pulmonary sarcoidosis by bilateral bronchoalveolar lavage, gallium-67 lung uptake, and chest radiograph. Staton GW Jr, et al. **Sarcoidosis** 1987 Mar;4(1):8–12

The value of 99mTc macroaggregated albumin lung perfusion scanning in the prediction of postpneumonectomy function and pulmonary artery pressure. Julius AJ, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(1):81–5

New horizons in pulmonary scintigraphy [editorial] Alderson PO. **Semin Nucl Med** 1986 Oct;16(4):232–4

Quantitative gallium 67 lung scan to assess the inflammatory activity in the pneumoconioses. Bisson G, et al. **Semin Nucl Med** 1987 Jan;17(1):72–80 (51 ref.)

Measurement of pulmonary epithelial permeability with 99mTc-DTPA aerosol. Coates G, et al. **Semin Nucl Med** 1986 Oct;16(4):275–84 (58 ref.)

Time-based multiple organ functional images. Freeman ML, et al. **Semin Nucl Med** 1987 Jan;17(1):39–57 (25 ref.)

Hepatic activity on perfusion lung images. Richards-Carty C, et al. **Semin Nucl Med** 1987 Jan;17(1):85–6

Use of radionuclide scanning in the preoperative estimation of pulmonary function after pneumonectomy. Corris PA, et al. **Thorax** 1987 Apr;42(4):285–91

Tomography of regional ventilation and perfusion using krypton 81m in normal subjects and asthmatic patients. Orphanidou D, et al. **Thorax** 1986 Jul;41(7):542–51

[Production of radioactive aerosols] Schümichen C. **Nuklearmedizin** 1986 Aug;25(4):147–52 (19 ref.) **(Ger)**

[Follow-up pulmonary scintigraphy of diaphragmatic hernias surgically treated at birth] Bona G, et al. **Minerva Pediatr** 1987 Jan 31;39(1–2):1–8 (Eng. Abstr.) **(Ita)**

[Perfusional pulmonary scintigraphy using 99mTc-MISA in newborn infants] Silvestro L, et al. **Minerva Pediatr** 1987 Jun 30;39(11–12):515–20 (Eng. Abstr.) **(Ita)**

[Factor analysis of the washout phase in Xe-133 ventilation studies] Hashimoto H, et al. **Kaku Igaku** 1986 Jul; 23(7):955–8 (Eng. Abstr.) **(Jpn)**

[Assessment of cardiac reserve by lung thallium-201 uptake after exercise in patients with ischemic heart disease] Hiraoka T. **Kaku Igaku** 1986 Nov;23(11):1541–51 (Eng. Abstr.) **(Jpn)**

[Pulmonary function and V/Q distribution in hyperthyroidism] Mori Y, et al. **Kaku Igaku** 1987 Mar; 24(3):245–50 (Eng. Abstr.) **(Jpn)**

[Aerosol lung inhalation scintigraphy in occupational lung

disease] Sui O. **Kaku Igaku** 1986 Nov;23(11):1553–63 (Eng. Abstr.) **(Jpn)**

[Study of the gallium–67 citrate hilar accumulation—especially the relation between the hilar accumulation and smoking] Suto Y. **Kaku Igaku** 1987 Mar; 24(3):235–44 (Eng. Abstr.) **(Jpn)**

[Utility of digital Tc–99m–MAA pulmonary perfusion images for estimating prognosis of dilated cardiomyopathy] Tanaka T, et al. **Kaku Igaku** 1986 Oct;23(10):1491–5 **(Jpn)**

[A new imaging of pulmonary ventilation using nitrogen–13 and positron emission tomography (PET)] Itoh H, et al. **Kokyu To Junkan** 1987 Jan;35(1):21–9 **(Jpn)**

[Preoperative prediction of postoperative lung function using 81mKr ventilation lung scintigram] Kaneda M, et al. **Kokyu To Junkan** 1987 Jan;35(1):47–50 **(Jpn)**

[Pulmonary embolism after cardiac catheterization] Otsuka H, et al. **Kokyu To Junkan** 1987 Jan;35(1):105–11 (Eng. Abstr.) **(Jpn)**

[Analysis of regional ventilation using radionuclear method] Shimada T, et al. **Kokyu To Junkan** 1987 Jan;35(1):39–45 **(Jpn)**

[Evaluation of 201–Tl accumulation in the lung by multivariate information analysis] Ihaya T, et al. **Rinsho Hoshasen** 1986 Jul;31(7):809–11 (Eng. Abstr.) **(Jpn)**

[Perfusion scintigraphy of the lungs of children with cystic fibrosis] Helwich E, et al. **Pediatr Pol** 1986 Mar; 61(3):167–71 (Eng. Abstr.) **(Pol)**

SECRETION

Anticoagulant substance released from human lung mast cells by stimulation with anti–IgE or Ca–ionophore A23187. Hayashi H, et al. **Acta Med Okayama** 1987 Apr;41(2):85–7

Oxatomide inhibits the release of bronchoconstrictor arachidonic acid metabolites (iLTC4 and PGD2) from rat mast cells and guinea–pig lung. Kosaka Y, et al. **Agents Actions** 1987 Jun;21(1–2):32–7

Altered phospholipid secretion in type II pneumocytes isolated from streptozotocin–diabetic rats. Brown LA, et al. **Biochim Biophys Acta** 1986 Sep 12;878(2):258–65

Purinoceptor agonists stimulate phosphatidylcholine secretion in primary cultures of adult rat type II pneumocytes. Gilfillan AM, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):18–23

Regulation of surfactant secretion from isolated Type II pneumocytes by substance P. Rice WR, et al. **Biochim Biophys Acta** 1986 Nov 28;889(2):123–7

Action of trifluoromethanesulfonic acid on highly glycosylated regions of human bronchial mucins. Marianne T, et al. **Carbohydr Res** 1986 Aug 15;151:7–19

The effect of assay conditions on the measurement of anti–elastase function in lung secretions. Morrison HM, et al. **Clin Chim Acta** 1987 Jan 30;162(2):165–74

Release of immunoreactive atrial natriuretic factor from the isolated perfused rat lung. Gutkowska J, et al. **FEBS Lett** 1987 Apr 6;214(1):17–20

alpha 1–Antichymotrypsin in lung secretions is not an effective proteinase inhibitor. Berman G, et al. **J Biol Chem** 1986 Oct 25;261(30):14095–9

Effects of a 5–lipoxygenase inhibitor, REV–5901, on leukotriene and histamine release from human lung tissue in–vitro. Tennant CM, et al. **J Pharm Pharmacol** 1987 Apr; 39(4):309–11

Neuropeptides and leukotriene release: effect of peptide histidine isoleucine and secretin in platelet activating factor–stimulated rat lung. Di Marzo V, et al. **Neuropeptides** 1987 Jan;9(1):51–8

Differential release and effects of LTB4 in guinea–pig lung "in vitro"Hernandez A, et al. **Pharmacol Res Commun** 1986 Dec;18(12):1139–49

SURGERY

Sequential one–lung ventilation for bilateral bullectomy. Benumof JL. **Anesthesiology** 1987 Aug;67(2):268–72

Funnel stitch closure of the limited pulmonary excision defect. Candella FC, et al. **Ann Thorac Surg** 1987 Aug; 44(2):207–8

Variations in lung volume and compliance during pulmonary surgery. Larsson A, et al. **Br J Anaesth** 1987 May; 59(5):585–91

Foreign–body aspiration in adults. Casson AG, et al. **Can J Surg** 1987 May;30(3):193–4

Pulmonary function after lobectomy in children under ten years of age. Nonoyama A, et al. **Jpn J Surg** 1986 Nov; 16(6):425–34

Mechanisms of healing in the injured lung treated with the Nd–YAG laser. Cole PH, et al. **Lasers Surg Med** 1987; 6(6):574–80

Pulmonary procedures assisted by optosurgical and electrosurgical devices: comparison of damage potential. LoCicero J 3d, et al. **Lasers Surg Med** 1987;7(3):263–72

Trachea and lung surgery in childhood. **Prog Pediatr Surg** 1987;21:1–147

[Indications for a bronchial separator in lung surgery] Coulon C, et al. **Cah Anesthesiol** 1986 Dec;34(8):687–90 **(Fre)**

[Ultrasonic sealing of the lung parenchyma after atypical resection] Daniel P, et al. **Z Exp Chir Transplant Kunstliche Organe** 1987;20(2):117–21 (Eng. Abstr.) **(Ger)**

[Endoscopic treatment of bronchial stump insufficiency with fibrin adhesive in animal experiments] Waclawiczek HW, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986; 19(5):305–8 (Eng. Abstr.) **(Ger)**

[Several aspects of pulmonary decortication in the surgical treatment of pleural empyema] Finichiu G, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Oct–Dec; 90(4):659–63 (Eng. Abstr.) **(Rum)**

[Gas exchange and hemodynamics during high–frequency ventilation during lung surgery] Zislin BD, et al. **Anesteziol Reanimatol** 1987 Jan–Feb;(1):18–20 (Eng. Abstr.) **(Rus)**

[Hemodilution in complex intensive therapy in operations on the lungs] Dolina OA, et al. **Grudn Khir** 1987 Jul–Aug; (4):59–63 (Eng. Abstr.) **(Rus)**

[Single–stage cavernoplasty in patients with fibro–cavernous pulmonary tuberculosis] Strel'tsov VP, et al. **Grudn Khir** 1986 Sep–Oct;(5):50–4 (Eng. Abstr.) **(Rus)**

[Surgical tactics in diffuse gangrene of the lung] Vagner EA, et al. **Grudn Khir** 1987 Jul–Aug;(4):18–24 (Eng. Abstr.) **(Rus)**

[A modified organ suturing instrument] Apostolov VI, et al. **Klin Khir** 1986;(10):69–70 **(Rus)**

[Forceps and clamps for pediatric lung surgery] Zimina LI, et al. **Med Tekh** 1987 Jan–Feb;(1):58–60 (Eng. Abstr.) **(Rus)**

[Problems of primary specialization in pulmonary surgery] Shulutko ML. **Probl Tuberk** 1987;(5):10–2 (Eng. Abstr.) **(Rus)**

[Increasing role of surgical methods in treating patients with pulmonary tuberculosis] Zhadnov VZ, et al. **Probl Tuberk** 1987;(2):8–10 (Eng. Abstr.) **(Rus)**

[Use of lasers in pulmonary surgery] Biriukov IuV, et al. **Vestn Akad Med Nauk SSSR** 1987;(5):69–74 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Clinical lung transplantation: state of the art after 23 years of rational progress [letter] Vanderhoeft P. **Acta Chir Belg** 1987 Jan–Feb;87(1):67–8

Clinical lung transplantation: state of the art after 23 years of rational progress [letter] Vanderhoeft P. **Acta Chir Belg** 1986 Sep–Oct;86(5):317–8

Clinical lung transplantation: state of the art after 23 years of rational progress [letter] Vanderhoeft P. **Acta Chir Belg** 1986 Nov–Dec;86(6):377–8

Rejection of combined heart–lung transplants in rats. Function and pathology. Prop J, et al. **Am J Pathol** 1987 Apr;127(1):97–105

Human heart–lung transplantation: physiologic aspects of the denervated lung and post–transplant obliterative bronchiolitis. Estenne M, et al. **Am Rev Respir Dis** 1987 Apr;135(4):976–8

Anaesthesia for combined heart and lung transplantation. Sale JP, et al. **Anaesthesia** 1987 Mar;42(3):249–58

Intravenous prostaglandin E1, cold crystalloid flush and topical hypothermia for cardiopulmonary graft preservation. Harjula AL, et al. **Ann Chir Gynaecol** 1987; 76(1):56–60

Obliterative bronchiolitis after heart–lung transplantation: apparent arrest by augmented immunosuppression. Glanville AR, et al. **Ann Intern Med** 1987 Sep;107(3):300–4

Distant graft procurement for combined heart and lung transplantation using pulmonary artery flush and simple topical hypothermia for graft preservation. Baldwin JC, et al. **Ann Thorac Surg** 1987 Jun;43(6):670–3

Heart–lung transplantation: current status [editorial] Copeland JG. **Ann Thorac Surg** 1987 Jan;43(1):2–3

Experimental en bloc double–lung transplantation. Dark JH, et al. **Ann Thorac Surg** 1986 Oct;42(4):394–8

Heart–lung transplantation: lessons learned and future hopes. Griffith BP, et al. **Ann Thorac Surg** 1987 Jan;43(1):6–16

Heterotopic heart–unilateral left lung transplantation in dogs. Schäfers HJ, et al. **Ann Thorac Surg** 1987 Aug;44(2):145–9

Atrial natriuretic factor (ANF) levels are elevated in rats bearing rejecting heart–lung allografts. Haug CE, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):625–9

Combined heart–lung transplantation: a review. Sharman V, et al. **Bol Asoc Med PR** 1986 Aug;78(8):339–46 (44 ref.)

Transplantation of the lungs. Dark J, et al. **Br J Hosp Med** 1987 May;37(5):443–5

Combined heart–lung transplantation for end–stage right ventricular failure. Morris AJ, et al. **Cardiovasc Clin** 1987; 17(2):251–64

Cardiac and cardiopulmonary transplantation. Reitz BA. **Cardiovasc Clin** 1987;17(3):347–59 (29 ref.)

Lung immunogenicity, rejection, and obliterative bronchiolitis. Burke CM, et al. **Chest** 1987 Sep;92(3):547–9

Primary pulmonary hypertension. Length of survival in patients referred for heart–lung transplantation. Glanville AR, et al. **Chest** 1987 May;91(5):675–81

Cardiopulmonary function at maximum tolerable constant work rate exercise following human heart–lung transplantation. Theodore J, et al. **Chest** 1987 Sep; 92(3):433–9

Anesthesia for combined heart and lung transplantation. Finch EL, et al. **Contemp Anesth Pract** 1987;10:109–31 (46 ref.)

Clinical and experimental aspects of single–lung transplantation. Goldsmith J, et al. **Heart Lung** 1987 May; 16(3):231–6 (35 ref.)

Canine unilateral lung transplantation: effect of ciclosporin A on the frequency of donor–lytic lymphocytes. Kirby JA, et al. **Int Arch Allergy Appl Immunol** 1987;84(1):62–8

Primary pulmonary hypertension: treatment with heart–lung transplantation. O'Meara N, et al. **Ir Med J** 1987 Jun; 80(6):174–5

Cyclosporine serum concentrations soon after heart or heart–lung transplantation. Aziz S, et al. **J Clin Pharmacol** 1986 Nov–Dec;26(8):652–7

Heart and heart–lung transplantation: program, development, organization, and initiation. Baumgartner WA, et al. **J Heart Transplant** 1985 Feb;4(2):197–202

Twenty–four hour lung preservation by hypothermia and leukocyte depletion. Breda MA, et al. **J Heart Transplant** 1985 May;4(3):325–9

Multiple organ procurement from one donor. Brodman RF, et al. **J Heart Transplant** 1985 Feb;4(2):254–7

Late airflow obstruction in heart–lung transplantation recipients. Burke CM, et al. **J Heart Transplant** 1985 Jul–Aug;4(4):437–40

The spectrum of cytomegalovirus infection following human heart–lung transplantation. Burke CM, et al. **J Heart Transplant** 1986 Jul–Aug;5(4):267–72

Heterotopic heart–lung transplantation: a new experimental model. Campbell C, et al. **J Heart Transplant** 1986 Nov–Dec;5(6):465–70

Heterotopic heart–single lung transplantation: report of a new technique. Cooley DA, et al. **J Heart Transplant** 1987 Mar–Apr;6(2):112–5

Acute pulmonary rejection precedes cardiac rejection following heart–lung transplantation in a primate model. Cooper DK, et al. **J Heart Transplant** 1986 Jan–Feb; 5(1):29–32

Successful acute heart–lung transplantation after six hours preservation. Golding LR, et al. **J Heart Transplant** 1985 Feb;4(2):252–3

Bronchoalveolar lavage in heart–lung transplantation. Gryzan S, et al. **J Heart Transplant** 1985 Jul–Aug; 4(4):414–6

Twenty years of lung preservation—a review. Haverich A, et al. **J Heart Transplant** 1985 Feb;4(2):234–40 (63 ref.)

Lung transplantation: effect of cyclosporine A on the frequency of cytolytic lymphocytes recovered from blood and the bronchoalveolar space. Kirby JA, et al. **J Heart Transplant** 1986 Jan–Feb;5(1):33–8

Heart, lung and heart–lung transplantation in rats. Konertz W, et al. **J Heart Transplant** 1985 Jul–Aug;4(4):426–30.

Effect of simultaneous lung transplantation on heart transplant survival in rats. Kutlu HM, et al. **J Heart Transplant** 1987 Jan–Feb;6(1):29–33

Use of autoperfusion for distant procurement of heart–lung allografts. Ladowski JS, et al. **J Heart Transplant** 1985 May;4(3):330–3

Lung transplantation in the rat: histopathology of left lung iso– and allografts. Marck KW, et al. **J Heart Transplant** 1985 Feb;4(2):263–6

HLA phenotype of lung lavage cells following heart–lung transplantation. Paradis IL, et al. **J Heart Transplant** 1985 Jul–Aug;4(4):422–5

Why are lung allografts more vigorously rejected than hearts? Prop J, et al. **J Heart Transplant** 1985 Jul–Aug; 4(4):433–6

Successful orthotopic heart–lung transplantation in the baboon after five hours of cold ischemia with cardioplegia and Collins' solution. Reichart BA, et al. **J Heart Transplant** 1987 Jan–Feb;6(1):15–22

Increased expression of class II major histocompatibility complex antigens in untreated and cyclosporine–treated rat lung allografts. Romaniuk A, et al. **J Heart Transplant** 1986 Nov–Dec;5(6):455–60

Successful six–hour cardiopulmonary preservation with simple hypothermic crystalloid flush. Starkey TD, et al. **J Heart Transplant** 1986 Jul–Aug;5(4):291–7

Flush perfusion using Euro–Collins solution vs cooling by means of extracorporeal circulation in heart–lung preservation. Wahlers T, et al. **J Heart Transplant** 1986 Mar–Apr;5(2):89–98

Evolution of hemodynamics after orthotopic heart and heart–lung transplantation: early restrictive patterns persisting in occult fashion. Young JB, et al. **J Heart Transplant** 1987 Jan–Feb;6(1):34–43

Lymphocytes of bronchoalveolar lavages from heart–lung transplant recipients. Zeevi A, et al. **J Heart Transplant** 1985 Jul–Aug;4(4):417–21

A new model for hetero–orthotopic heart–lung transplantation in the dog. Reichenspurner H, et al. **J Surg Res** 1986 Sep;41(3):301–7

Technique of successful lung transplantation in humans. Cooper JD, et al. **J Thorac Cardiovasc Surg** 1987 Feb; 93(2):173–81

Postoperative complications necessitating right lower lobectomy in a heart–lung transplant recipient with previous sternotomy. Diethrich EB, et al. **J Thorac Cardiovasc Surg** 1987 Sep;94(3):389–92

Histologic assessment of bronchial anastomotic healing in canine lung transplantation. Fujimura S, et al. **J Thorac Cardiovasc Surg** 1987 Sep;94(3):323–30

Autoperfusion of the heart and lungs for preservation during distant procurement. Hardesty RL, et al. **J Thorac Cardiovasc Surg** 1987 Jan;93(1):11–8

Heart and unilateral lung transplantation in the dog [letter] Schäfers HJ, et al. **J Thorac Cardiovasc Surg** 1987 Jan; 93(1):149–50

Heart/lung recipient becomes first living heart donor in United States [news] Merz B. **JAMA** 1987 Jun 12;

257(22):3019
New techniques enable 'heartless' lung transplants [news] Merz B. **JAMA** 1987 Feb 13;257(6):728
Absence of electrochemical defect of cystic fibrosis in transplanted lung [letter] [publiished erratum appears in Lancet 1987 May 30;1(8544):1276] Alton EW, et al. **Lancet** 1987 May 2;1(8540):1026
Transplantation of liver, heart, and lungs for primary biliary cirrhosis and primary pulmonary hypertension. Wallwork J, et al. **Lancet** 1987 Jul 25;2(8552):182–5
Allogeneic heart–lung transplantation in mice. Chang ES, et al. **Microsurgery** 1987;8(2):57–62
"New" microvascular clamps for thoracic surgery in the rat. Marck KW, et al. **Microsurgery** 1986;7(3):135–7
Reversibility of graft rejection following a short cyclosporin–A administration 5 days after grafting. Mazzoni G, et al. **Microsurgery** 1986;7(3):114–6
Efficacy of Dexon microsutures in rat major abdominal vessel anastomosis. I: Application to heterotopic heart transplant. Pempinello C, et al. **Microsurgery** 1986;7(4):161–5
Reappearance of Hering–Breuer reflex after bilateral autotransplantation of the lungs. Mattila S, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(1):15–20
Successful extended cardiopulmonary preservation in the autoperfused working heart–lung preparation. Kontos GJ Jr, et al. **Surgery** 1987 Aug;102(2):269–76
A rat model for monitoring homograft rejection of the lung. Kondo T, et al. **Tohoku J Exp Med** 1986 Jul;149(3):323–8
Heart and heart–lung transplantation. Cabrol C, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):88–91
Acute rejection of the heart–lung allograft and methods of its detection. Griffith BP, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 3):2527–30
Morphology and function of free lung cells following combined hetero–orthotopic heart–lung transplantation in the dog. Hoefter E, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1045–8
Bronchoalveolar macrophage–lymphocyte reactivity in heart–lung transplant recipients. Zeevi A, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2537–40
Immunologic, morphologic, and functional evaluation of long–term–surviving beagle lung allograft recipients treated with lethal total–body irradiation, autologous bone marrow, and methotrexate. Norin AJ, et al. **Transplantation** 1987 Aug;44(2):179–84
Concanavalin A–dependent cell–mediated cytotoxicity in bronchoalveolar lavage fluid. Correlation with lung allograft rejection in mongrel dogs during cyclosporine dose tapering. Norin AJ, et al. **Transplantation** 1986 Nov; 42(5):466–72
Combined heart–lung transplantation in the rat. Comparison of thoracic and abdominal operation techniques. Prop J, et al. **Transplantation** 1987 May;43(5):614–9
(Nva2)–cyclosporine—less potent than cyclosporine A in rats with lung and heart transplants. Prop J, et al. **Transplantation** 1987 Jul;44(1):5–8
Expression of class II major histocompatibility complex antigens by bronchial epithelium in rat lung allografts. Romaniuk A, et al. **Transplantation** 1987 Aug;44(2):209–14
The synergistic effect of cyclosporine and mizoribine on heterotopic heart and partial–lung transplantation in rats. Suzuki S, et al. **Transplantation** 1987 May;43(5):743–4
[Heart–lung transplantation] Cerrina J, et al. **Rev Mal Respir** 1987;4(2):57–68 (55 ref.) (Eng. Abstr.) **(Fre)**
[Early diagnosis of the acute rejection reaction and infections in the peripheral blood of patients after heart and heart–lung transplantations] Lersch C, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(4):211–3 **(Ger)**
[Heart–lung transplantation without extracorporeal circulation. A new animal model for research on heart and lung preservation] Wahlers T, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(4):203–6 **(Ger)**
[Lung transplantation (editorial)] Borman JB, et al. **Harefuah** 1987 Feb 1;112(3):150–1 **(Heb)**
[Revival of lung transplantation] Findler M, et al. **Harefuah** 1987 Feb 1;112(3):127–9 **(Heb)**
[Preservation for lung transplantation] Handa M, et al. **Kyobu Geka** 1987 Feb;40(3):174–9 (44 ref.) (Eng. Abstr.) **(Jpn)**
[Lung transplantation] Hitomi S, et al. **Kyobu Geka** 1987 Feb; 40(3):180–5 (23 ref.) (Eng. Abstr.) **(Jpn)**
[Heart–lung transplantation—preservation and immunologic monitoring] Kusagawa M, et al. **Kyobu Geka** 1987 Feb; 40(3):199–204 (22 ref.) (Eng. Abstr.) **(Jpn)**
[Rejection after lung allotransplantation] Shirakusa T. **Kyobu Geka** 1987 Feb;40(3):186–91 (39 ref.) (Eng. Abstr.) **(Jpn)**
[Combined heart–lung transplantation in the Japanese monkey] Yoshitake T, et al. **Kyobu Geka** 1987 Feb; 40(3):192–8 (Eng. Abstr.) **(Jpn)**
[Changes in pulmonary artery pressure after left lung allotransplantation in dogs] Shirakusa T. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Aug; 24(8):835–43 (Eng. Abstr.) **(Jpn)**
[Heart and lung transplantation in Eisenmenger's syndrome] Frøysaker T, et al. **Tidsskr Nor Laegeforen** 1986 Dec 10; 106(34–36):2965–7 (Eng. Abstr.) **(Nor)**
[The lung transplant] Canalís Arrayás E. **Med Clin (Barc)** 1986 Nov 8;87(15):641–7 (98 ref.) **(Spa)**

ULTRASTRUCTURE

Asteroid bodies [letter] Wargotz ES, et al. **Acta Cytol (Baltimore)** 1986 Sep–Oct;30(5):556–8
Lung of the tree frog, Hyla arborea L. A scanning and transmission electron microscopic study. Goniakowska–Witalińska L. **Anat Embryol (Berl)** 1986; 174(3):379–89
Inorganic particulates associated with pulmonary alveolar proteinosis: SEM and X–ray microanalysis results. Abraham JL, et al. **Appl Pathol** 1986;4(3):138–46
Major differences between lung, skin and liver in the microsomal metabolism of homologous series of resorufin and coumarin ethers. Rettie AE, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3495–500
Isolation of protein components from rat lung lamellar bodies. Nijssen JG, et al. **Biochim Biophys Acta** 1987 Jan 13; 917(1):131–9
Relation between pathological grading and lung fibre concentration in a patient with asbestosis. Gylseth B, et al. **Br J Ind Med** 1986 Nov;43(11):754–9
The surfactant system of the lung in the Mexican axolotl Ambystoma mexicanum. Keyhani E. **Cell Biol Int Rep** 1987 Mar;11(3):197–204
Scanning electron microscopy of epithelial lesions induced by artificial ventilation of the immature neonatal lung; the prophylactic effect of surfactant replacement. Grossmann G, et al. **Eur J Pediatr** 1986 Oct;145(5):361–7
Alteration of the microtubule organization in aging WI–38 fibroblasts. A comparative study with embryonic hamster lung fibroblasts. Raes M, et al. **Exp Gerontol** 1987; 22(1):47–58 (42 ref.)
Isolation, characterization and phospholipid composition of lamellar bodies and subcellular fractions from dog lung. Diez–Blanco MN, et al. **Int J Biochem** 1987;19(8):693–8
Pulmonary microsomal cytochrome P–450 from 3–methylcholanthrene–treated hamsters: purification, characterization, and metabolism of benzo(a)pyrene. Sagami I, et al. **J Biochem (Tokyo)** 1986 Aug;100(2):449–57
Ultrastructural study of Letterer–Siwe disease in three infants, one complicated by pneumocystosis. Chaudhry AP, et al. **J Oral Med** 1983 Apr–Jun;38(2):47–55
Response of mouse lung to crocidolite asbestos. 2. Pulmonary fibrosis after long fibres. Adamson IY, et al. **J Pathol** 1987 Jun;152(2):109–17
Response of mouse lung to crocidolite asbestos. 1. Minimal fibrotic reaction to short fibres. Adamson IY, et al. **J Pathol** 1987 Jun;152(2):99–107
Effects of injury and repair of the pulmonary endothelium on lung metastasis after bleomycin. Adamson IY, et al. **J Pathol** 1986 Dec;150(4):279–87
Orthogonal arrays of particles in the plasma membrane of pneumocytes. Bartels H, et al. **J Submicrosc Cytol** 1986 Oct;18(4):637–46
Intracisternal protein in the type II pneumocyte of the ferret, guinea pig, and mongrel dog. Miller ML, et al. **J Ultrastruct Mol Struct Res** 1986 Apr–Jun;95(1–3):131–41
Transmission electron microscopy of percutaneous fine needle aspirates from lung: a study of 70 cases. Davies DC, et al. **Thorax** 1987 Apr;42(4):296–301
[Ultrastructural alterations in Clara cells in horses with chronic obstructive lung diseases] Drommer W, et al. **DTW** 1987 Feb 9;94(2):63–7 (Eng. Abstr.) **(Ger)**
[Pulmonary alveolar proteinosis (PAP). II. Studies on the lungs using scanning (SEM) and transmission electron microscopy (TEM)] Chyczewski L. **Patol Pol** 1986 Jul–Sep;37(3):275–81 (Eng. Abstr.) **(Pol)**
[Ultrastructural changes in the kidneys and lungs in dynamic autolysis as an index of the time of death] Mitin KS, et al. **Sud Med Ekspert** 1986 Jul–Sep;29(3):8–11 (Eng. Abstr.) **(Rus)**

LUNG ABSCESS

Escherichia coli lung abscess in a young adult. Narendren K. **Singapore Med J** 1986 Jun;27(3):250–2

COMPLICATIONS

[Pathogenesis of anemia in malignant neoplasms and chronic inflammation] Bala IuM, et al. **Gematol Transfuziol** 1987 Apr;32(4):37–9 (Eng. Abstr.) **(Rus)**
[Broncholithiasis complicated by pulmonary hemorrhage and abscessing pneumonia] Filippov VP, et al. **Probl Tuberk** 1987;(3):72–3 **(Rus)**
[Disorders of the functional properties of thrombocytes causing thromboembolism in acute suppurative destructive diseases of the lungs and pleura] Tulupov AN, et al. **Vestn Khir** 1986 Aug;137(8):9–13 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Rapid diagnosis of anaerobic pleuropulmonary infection by direct gas–liquid chromatography. Hsiue TR, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Mar;86(3):233–40
[An analysis of the causes of misdiagnosis of 25 cases of pulmonary abscess] Xiao CS, et al. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Jun;9(3):155–6, 190 (Eng. Abstr.) **(Chi)**
[Diagnosis and therapy of lung abscess] Mordasini C, et al. **Schweiz Med Wochenschr** 1986 Sep 20;116(38):1309–16 (Eng. Abstr.) **(Ger)**
[Diagnosis and treatment of obstructive lung abscess] Laptev AN. **Klin Khir** 1986;(10):6–7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Interstitial electrophoresis in acute pleuropulmonary suppurations] Alekseenko AV, et al. **Sov Med** 1986; (10):73–5 **(Rus)**
[Transthoracic administration of antibiotics in pneumonia] Provotorov VM. **Sov Med** 1986;(11):69–7 **(Rus)**

ETIOLOGY

Necrotizing pneumonia in bacteraemic pneumococcal infection. Isaacs RD. **Br J Dis Chest** 1986 Jul;80(3):295–6
[Pulmonary cavity infection caused by Haemophilus influenzae (letter)] Moinard D, et al. **Presse Med** 1986 Sep 6;15(28):1334 **(Fre)**
[Chronic lung abscess caused by a foreign body] Levashov IuN, et al. **Grudn Khir** 1986 Sep–Oct;(5):89–90 **(Rus)**
[Status of pulmonary surfactant in suppurative lung diseases (experimento–clinical study)] Muromskiĭ IuA, et al. **Khirurgiia (Mosk)** 1987 Mar;(3):74–7 (Eng. Abstr.) **(Rus)**
[Etiology and pathogenesis of acute infectious destruction of the lungs] Putov NV, et al. **Klin Med (Mosk)** 1986 Dec; 64(12):62–7 (Eng. Abstr.) **(Rus)**
[Nonclostridial obligate anaerobes—the main causative agents of lung abscesses] Kolker II, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Mar;(3):21–6 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Legionella pneumophila lung abscess in a patient with systemic lupus erythematosus. Senécal JL, et al. **Am J Med Sci** 1987 May;293(5):309–14
Anaerobic bacterial infections of the lung. Bartlett JG. **Chest** 1987 Jun;91(6):901–9 (60 ref.)
Anaerobic pulmonary abscesses. Hematogenous spread from head and neck infections. Shanks GD, et al. **Clin Pediatr (Phila)** 1986 Oct;25(10):520–2
[Refractory respiratory tract infections. 3. Changes in pathogens and chemotherapy. c. Lung abscess] Nakamori Y. **Nippon Rinsho** 1987 Mar;45(3):501–3 (9 ref.) **(Jpn)**

PATHOLOGY

Lung abscess involving Corynebacterium pseudodiphtheriticum in a patient with AIDS–related complex. Andavolu RH, et al. **NY State J Med** 1986 Nov; 86(11):594–6

RADIOGRAPHY

Rounded opacity in a young man's chest. Gupta RK, et al. **Br J Radiol** 1987 Apr;60(712):411–3
Para–oesophageal hiatal hernia in infants mimicking 'lung abscess'. Henderson BJ, et al. **S Afr J Surg** 1986 Dec; 24(4):139–41

REHABILITATION

[Treatment of abscessing pneumonia by using combination physiotherapy] Barkov VA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Mar–Apr; (2):13–6 (Eng. Abstr.) **(Rus)**

SURGERY

Percutaneous drainage of an infected lung bulla in a patient receiving positive pressure ventilation. Dean NC, et al. **Chest** 1987 Jun;91(6):928–30
Percutaneous drainage of infected and noninfected thoracic fluid collections. Stavas J, et al. **J Thorac Imaging** 1987 Jul;2(3):80–7
The place of external drainage in the management of lung abscess. Postma MH, et al. **S Afr J Surg** 1986 Dec; 24(4):156–8

THERAPY

Successful transthoracic drainage of infected traumatic pneumatocele [letter] Asplund MW, et al. **Chest** 1986 Nov; 90(5):788
Percutaneous small bore catheter drainage in the management of lung abscesses. Parker LA, et al. **Chest** 1987 Aug; 92(2):213–8
[Use of long–term trans–nasal catheterization in the treatment of patients with abscesses of the lung] Ovchinnikov AA, et al. **Grudn Khir** 1986 Jul–Aug;(4):45–9 (Eng. Abstr.) **(Rus)**
[Temporary occlusion of the bronchi in the complex treatment of suppurative diseases of the lungs and pleura] Petrenko TF, et al. **Grudn Khir** 1987 May–Jun;(3):44–6 (Eng. Abstr.) **(Rus)**
[Complex treatment of infectious destructive lung diseases using frozen plasma and enzyme inhibitors] Sholkhet IaN, et al. **Grudn Khir** 1986 Sep–Oct;(5):44–6 (Eng. Abstr.) **(Rus)**
[Suppurative–destructive lung diseases and current principles of their treatment] Muromskiĭ IuA, et al. **Khirurgiia (Mosk)** 1986 Dec;(12):3–13 (Eng. Abstr.) **(Rus)**
[Role of hemosorption in the treatment of acute pneumonia and infectious destruction of the lungs] Levashev IuN, et al. **Vestn Khir** 1986 Aug;137(8):104–9 (Eng. Abstr.) **(Rus)**
[Treatment of lung abscesses in children] Mavliutova MG, et al. **Vestn Khir** 1986 Oct;137(10):83–6 (Eng. Abstr.) **(Rus)**

VETERINARY

Review of Corynebacterium (Rhodococcus) equi lung abscesses in foals: pathogenesis, diagnosis and treatment. Hillidge CJ. **Vet Rec** 1986 Sep 13;119(11):261–4 (43 ref.)

LUNG CAPACITIES see **LUNG VOLUME MEASUREMENTS**

LUNG COMPLIANCE

Comparison of methods of measurement of compliance of the respiratory system in children. Guslits BG, et al. **Am Rev Respir Dis** 1987 Sep;136(3):727–9

Total respiratory system compliance in asymptomatic infants with cystic fibrosis. Tepper RS, et al. **Am Rev Respir Dis** 1987 May;135(5):1075–9

Changes in intrathoracic pressures induced by positive end-expiratory pressure ventilation after cardiac surgical procedures. Bonnet F, et al. **Ann Thorac Surg** 1986 Oct; 42(4):406–11

Variations in lung volume and compliance during pulmonary surgery. Larsson A, et al. **Br J Anaesth** 1987 May; 59(5):585–91

Non-uniform lung elastic properties and the slope of the alveolar plateau. Niu SF, et al. **Bull Eur Physiopathol Respir** 1987 Mar–Apr;23(2):163–9

Lung compliance as a measure of lung function in newborns with respiratory failure requiring extracorporeal membrane oxygenation. Lotze A, et al. **Crit Care Med** 1987 Mar; 15(3):226–9

Does compliance reflect oxygen delivery in porcine septic respiratory failure treated with positive end-expiratory pressure? Myers JC, et al. **Crit Care Med** 1987 Jan; 15(1):38–40

Force-, EMG-, and elasticity-velocity relationships at submaximal, maximal and supramaximal running speeds in sprinters. Mero A, et al. **Eur J Appl Physiol** 1986; 55(5):553–61

Dynamic imaging of the compliant perfusion of the lungs. de Lima JJ, et al. **Eur J Nucl Med** 1986;12(5–6):258–62

Estimation of mechanical parameters in multicompartment models applied to normal and obstructed lungs during tidal breathing. Lutchen KR, et al. **IEEE Trans Biomed Eng** 1986 Sep;33(9):878–87

Chronic allergic airway disease in the sheep model: functional and lung-lavage features. Bossé J, et al. **J Allergy Clin Immunol** 1987 Feb;79(2):339–44

Validation of esophageal balloon technique at different lung volumes and postures. Baydur A, et al. **J Appl Physiol** 1987 Jan;62(1):315–21

Rapidly adapting receptor activity in dogs is inversely related to lung compliance. Jonzon A, et al. **J Appl Physiol** 1986 Nov;61(5):1980–7

Segmental vascular resistances and compliances in dog lung. Rippe B, et al. **J Appl Physiol** 1987 Mar;62(3):1206–15

Effect of variable parenchymal expansion on gas mixing. Wilson TA, et al. **J Appl Physiol** 1987 Feb;62(2):634–9

Pulmonary function tests of small airways. Hira HS. **J Assoc Physicians India** 1986 Dec;34(12):867–9

Relationship between mean airway pressure, cardiac output, and organ blood flow with normal and decreased respiratory compliance. Mirro R, et al. **J Pediatr** 1987 Jul; 111(1):101–6

Compliance measurement in respiratory distress syndrome: the prediction of outcome. Graff MA, et al. **Pediatr Pulmonol** 1986 Nov–Dec;2(6):332–6

Comparison of the occlusion and inflation techniques for measuring total respiratory compliance in sick, intubated infants. Heaf DP, et al. **Pediatr Pulmonol** 1987 Mar–Apr; 3(2):78–82

Improved accuracy of the occlusion technique for assessing total respiratory compliance in infants. Stocks J, et al. **Pediatr Pulmonol** 1987 Mar–Apr;3(2):71–7

Mechanical properties of excised calf lungs. Gustin P, et al. **Res Vet Sci** 1987 May;42(3):272–6

Mechanical properties of excised calf lungs: effects of airway obstruction with beads. Gustin P, et al. **Res Vet Sci** 1987 May;42(3):277–9

Comparison of five methods of analyzing respiratory pressure–volume curves. Lai YL, et al. **Respir Physiol** 1986 Nov;66(2):147–55

Measurement of ventilatory system compliance in infants and young children. Marchal F, et al. **Respir Physiol** 1987 Jun; 68(3):311–8

Age related changes in the rate of stress relaxation within the rat respiratory system. Sullivan KJ, et al. **Respir Physiol** 1987 Mar;67(3):295–309

Direct-writing recorder of the frequency dependence of dynamic compliance analyzed from one cycle of breathing and pulmonary resistance: effect of fenoterol on asthmatic subjects. Sasaki H, et al. **Respiration** 1986;50 Suppl 2:262–5

Changes of rabbit pulmonary elastic properties and bronchomotricity in experimentally induced chronic Chagas' disease. Tavares P, et al. **Rev Inst Med Trop Sao Paulo** 1986 Sep–Oct;28(5):325–9

[Indirect determination of effective values of lung compliance and its clinical applications] Luo YJ, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Mar;18(1):64–7 (Eng. Abstr.) **(Chi)**

[Pulmonary compliance and resistance] Yernault JC, et al. **Rev Mal Respir** 1986;3(6):341–7 **(Fre)**

[Respiratory mechanics and its measurements] Noshiro M. **Iyodenshi To Seitai Kogaku** 1986 Aug;24(4):272–6 (23 ref.) **(Jpn)**

DRUG EFFECTS

Correlation of changes in pulmonary surfactant phospholipids with compliance in bleomycin-induced pulmonary fibrosis in the rat. Thrall RS, et al. **Am Rev Respir Dis** 1987 Jul; 136(1):113–8

Acute and chronic effects of xanthine oxidase on lung thorax-compliance in guinea pigs. Saugstad OD, et al. **Intensive Care Med** 1987;13(1):30–2

[Lung compliance in man is impaired by the rapid injection of alfentanyl] Freye E, et al. **Anaesthesist** 1986 Sep; 35(9):543–6 (Eng. Abstr.) **(Ger)**

LUNG DISEASE, INTERSTITIAL see **PULMONARY FIBROSIS**

LUNG DISEASES

see related

PULMONARY HEART DISEASE

American Lung Association, American Thoracic Association, 1987 annual meeting. May 10–13, 1987, New Orleans, Louisiana. Abstracts. **Am Rev Respir Dis** 1987 Apr;135(4 Pt 2):A1–561

American Thoracic Society. Incoming president's address. Turino GM. **Am Rev Respir Dis** 1987 Sep;136(3):752–3

Research colloquium on occupational respiratory diseases: a conference in Cuba (1984). Rosenstock L, et al. **Arch Environ Health** 1986 Jul–Aug;41(4):266–8

Melioidosis. Bovornkitti S, et al. **Arch Monaldi** 1985 Sep–Dec;40(5–6):203–10

Proceedings of meetings of special societies. The Cardiac Society of Australia and New Zealand, Gastroenterological Society of Australia, The Thoracic Society of Australia. Abstracts. **Aust NZ J Med** 1986 Aug;16(4 Suppl 3):547–636

American college of Chest Physicians. 53rd annual scientific assembly. October 26–30, 1987, Atlanta. Original investigations (abstracts). **Chest** 1987 Aug;92(2 Suppl):54S–155S

Pulmonary signs and symptoms. **Clin Chest Med** 1987 Jun; 8(2):177–337

Developing pulmonary medicine (pulmonology) in India—a view point. Malik SK. **Indian J Chest Dis Allied Sci** 1985 Oct–Dec;27(4):254–6

Computer-based instruction in clinical medical education: a pulmonary medicine self-assessment. Gordon S, et al. **Int J Clin Monit Comput** 1987;4(2):111–3

The 4th World Congress for Bronchology—III. Rome, June 10–13, 1984. Proceedings. **Panminerva Med** 1986 Oct–Dec; 28(4):307–418

Respiratory and alimentary tract diseases. **Perspect Pediatr Pathol** 1987;11:1–218

Idiopathic pulmonary hemosiderosis and related disorders in infancy and childhood. Cutz E. **Perspect Pediatr Pathol** 1987;11:47–81 (84 ref.)

5th European Conference on Sarcoidosis and other Granulomatous Disorders. Vienna, August 27th–30th, 1986. **Sarcoidosis** 1986 Sep;3(2):101–200

XXVII Nordic Congress of Pneumonology. Turku, 1974. Abstracts of symposia. **Scand J Respir Dis [Suppl]** 1974; 88:1–82

Proceedings of the British Thoracic Society. 1986 winter meeting. 11–12 December 1986, London. Abstracts. **Thorax** 1987 Mar;42(3):207–40

[26th World conference of the IUAT (International Union Against Tuberculosis) on tuberculosis and respiratory diseases. 4–7 November 1986, Singapore. Abstracts] **Bull Int Union Tuberc** 1986 Sep;61(3):1–214 **(Fre)**

[Present status of pneumology] Schneider JC, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1986;123(2):117–28 **(Fre)**

[Mediastino-pulmonary sarcoidosis in children] Baculard A. **Presse Med** 1987 May 30;16(20):982–4 **(Fre)**

[French Language Society of Pneumology. List of members (1987)] **Rev Mal Respir** 1987;4(3 Suppl):1–18 **(Fre)**

[French-language Society of Pneumology and the Tunisian Society of Pneumo-phthisiology. Tunis, 13–14 June 1986. Abstracts] **Rev Mal Respir** 1986;3(5):281–317 **(Fre)**

[Annual meeting of the Swiss Society of Pneumology. Zurich, 10–11 March 1986] **Schweiz Med Wochenschr** 1986 Sep 13;116(37):1232–83 **(Ger, Fre)**

[Working Group on Clinical Respiratory Physiology: working meeting 1986. Bad Aussee, 11–13 September 1986. Abstracts] **Wien Med Wochenschr** 1987 Mar 31; 137(5–6):S1–47 **(Ger)**

[Report on the meeting of the working groups on "Nonspecific Lung Diseases" and "Pathophysiology of Breathing" of the Society of Bronchopneumonology and Tuberculosis and the Society of Pathological and Clinical Physiology of the GDR. Berlin, 4 December 1984. Abstracts] **Z Erkr Atmungsorgane** 1987;168(2):179–89 **(Ger)**

BLOOD

Arachidonic acid and leukotriene synthesis in relation to lung disease. Vliegenthart JF, et al. **Biochem Soc Trans** 1987 Jun;15(3):326–7

An enzyme immunoassay for auto-antibodies to keratin in normal human serum and in pleural fluids from patients with various malignant or non-malignant lung diseases. Lambré CR, et al. **J Clin Lab Immunol** 1986 Aug; 20(4):171–6

Elevated serum neopterin levels in sarcoidosis. Eklund A, et al. **Lung** 1986;164(6):325–32

Calcitonin concentrations in lung cancer and non-malignant pulmonary diseases. Yiakoumakis E, et al. **Oncology** 1987; 44(3):145–9

The accuracy of arterialized capillary blood for the measurement of blood gas tensions in patients with lung disease [letter] Canny GJ, et al. **Pediatr Pulmonol** 1986 Sep–Oct;2(5):313–4

Circulating 5-hydroxytryptamine concentrations in preterm newborns. Schumacher RE, et al. **Pediatr Pulmonol** 1987 Mar–Apr;3(2):117–22

Markers of activity of sarcoidosis. Rizzato G. **Sarcoidosis** 1985 Mar;2(1):12–5

High serum levels of soluble interleukin-2 receptors in sarcoidosis. Semenzato G, et al. **Sarcoidosis** 1987 Mar; 4(1):25–7

[Interference of digoxin-like immunoreactive substance in the analysis of digoxin in pulmonary pathology: preliminary results] Romano L, et al. **Arch Monaldi** 1985 May–Aug; 40(3–4):157–64 (Eng. Abstr.) **(Ita)**

[Lysosomal enzyme activity in peripheral blood lymphocytes in patients with sarcoidosis of the respiratory system] Ruszel KB. **Pneumonol Pol** 1987 Mar;55(3):109–14 (Eng. Abstr.) **(Pol)**

[Serum levels of pregnancy-associated alpha 2-glycoprotein in patients with different lung diseases] Nikulina DM, et al. **Probl Tuberk** 1987;(3):57–9 (Eng. Abstr.) **(Rus)**

[The state of the blood kallikrein-kinin system in acute lung diseases] Zarembskiĭ RA, et al. **Vopr Med Khim** 1987 Jan–Feb;33(1):43–7 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Amiodarone-associated pulmonary toxicity. A clinical and pathologic study of eleven cases. Dean PJ, et al. **Am J Clin Pathol** 1987 Jan;87(1):7–13

Pathology of paint sniffers' lung. Engstrand DA, et al. **Am J Forensic Med Pathol** 1986 Sep;7(3):232–6

Epidemiological survey among workers exposed to manganese: effects on lung, central nervous system, and some biological indices [published erratum appears in Am J Ind Med 1987;12(1):119–20] Roels H, et al. **Am J Ind Med** 1987;11(3):307–27

Long-term evolution of BCG- and CFA-induced granulomas in rat lungs. Correlation of histologic features with cells in bronchoalveolar lavage samples. Chang JC, et al. **Am J Pathol** 1986 Oct;125(1):16–27

Sarcoidlike lung granulomatosis induced by aluminum dusts. De Vuyst P, et al. **Am Rev Respir Dis** 1987 Feb; 135(2):493–7

The effect of human antiendotoxin monoclonal antibodies on endotoxin-induced lung injury in the rat. Feeley TW, et al. **Am Rev Respir Dis** 1987 Mar;135(3):665–70

The role of arachidonate mediators in peroxide-induced lung injury. Gurtner GH, et al. **Am Rev Respir Dis** 1987 Aug; 136(2):480–3

Pulmonary complications of intravesical Bacille Calmette-Guérin immunotherapy. Israel-Biet D, et al. **Am Rev Respir Dis** 1987 Mar;135(3):761–2

Bleomycin and mild renal failure [letter] Harvey VJ, et al. **Ann Intern Med** 1986 Dec;105(6):976

Amiodarone pulmonary toxicity. Clinical, radiologic, and pathologic correlations. Kennedy JI, et al. **Arch Intern Med** 1987 Jan;147(1):50–5

A comparative study of the acute inhalation toxicity of smoke from TiO2-hexachloroethane and Zn-hexachloroethane pyrotechnic mixtures. Karlsson N, et al. **Arch Toxicol** 1986 Oct;59(3):160–6

Protection against paraquat-induced injury by exogenous GSH in pulmonary alveolar type II cells. Hagen TM, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4537–42

Lung function in workers using cadmium containing solders. Edling C, et al. **Br J Ind Med** 1986 Oct;43(10):657–62

Granulomatous disease associated with pulmonary deposition of titanium. Kedline S, et al. **Br J Ind Med** 1986 Oct; 43(10):652–6

Pulmonary sarcoidosis following interferon therapy for advanced renal cell carcinoma. Abdi EA, et al. **Cancer** 1987 Mar 1;59(5):896–900

Oleic acid induces pulmonary injury independent of eicosanoids in the isolated, perfused rabbit lung. Katz SA, et al. **Circ Shock** 1987;22(3):221–30

Phosgene poisoning from a smoke grenade. Wang YT, et al. **Eur J Respir Dis** 1987 Feb;70(2):126–8

Pulmonary toxicity of the insecticide fenitrothion in the rat following a single field exposure. Coulombe PA, et al. **J Appl Toxicol** 1986 Oct;6(5):317–23

CT demonstration of high attenuation pleural-parenchymal lesions due to amiodarone therapy. Kuhlman JE, et al. **J Comput Assist Tomogr** 1987 Jan–Feb;11(1):160–2

Human interferons active on murine cells induce pulmonary cysts in A2G mice. Woodrow D, et al. **J Interferon Res** 1986 Oct;6(5):557–61

Penicillamine associated pulmonary hemorrhage. Louie S, et al. **J Rheumatol** 1986 Oct;13(5):963–6

Effects of lobar pulmonary blood flow on the evolution of oleic acid lung injury in dogs. Bishop MJ, et al. **J Surg Res** 1986 Oct;41(4):394–400

Pulmonary infiltrations induced by tolfenamic acid [letter]

Strömberg C, et al. **Lancet** 1987 Sep 19;2(8560):685

Amiodarone pulmonary toxicity: clinical and subclinical features. Adams PC, et al. **Q J Med** 1986 May; 59(229):449–71

Follow-up chest radiographs in Vietnam veterans: are they useful? Pollei S, et al. **Radiology** 1986 Oct;161(1):101–2

A model of pulmonary granulomata induced by beryllium sulfate in the rat. Votto JJ, et al. **Sarcoidosis** 1987 Mar; 4(1):71–6

Abnormalities of pulmonary function and pleural disease among titanium metal production workers. Garabrant DH, et al. **Scand J Work Environ Health** 1987 Feb;13(1):47–51

Pulmonary disease during the treatment of rheumatoid arthritis with low dose pulse methotrexate. Carson CW, et al. **Semin Arthritis Rheum** 1987 Feb;16(3):186–95

Gold lung: recent developments in pathogenesis, diagnosis, and therapy. Evans RB, et al. **Semin Arthritis Rheum** 1987 Feb;16(3):196–205 (98 ref.)

Acute inhalational injury. Schwartz DA.
State Art Rev Occup Med 1987 Apr–Jun;2(2):297–318

Effect of a mixed function oxidase inducer and inhibitor on monocrotaline pyrrole pneumotoxicity. Bruner LH, et al. **Toxicol Appl Pharmacol** 1986 Sep 30;85(3):416–27

The pathologic and immunologic response to inhaled trimellitic anhydride in rats. Leach CL, et al.
Toxicol Appl Pharmacol 1987 Jan;87(1):67–80

Late sequelae after phosgene poisoning: a literature review. Diller WF. **Toxicol Ind Health** 1985 Oct;1(2):129–36

Pneumotoxicity of butylated hydroxytoluene applied dermally to CD–1 mice. Miyakawa Y, et al.
Toxicol Lett 1986 Nov;34(1):99–105

Quantifiable morphologic evaluation of paraquat pulmonary toxicity in rats. Akahori F, et al. **Vet Hum Toxicol** 1987 Feb;29(1):1–7

Pulmonary and hepatic lesions in experimental 3-hydroxymethylindole intoxication [published erratum appears in Vet Hum Toxicol 1986 Dec;28(6):523] Gonzalez JM, et al. **Vet Hum Toxicol** 1986 Oct;28(5):418–20

Drug-induced pulmonary vascular disease—mechanisms and clinical patterns. Kumar K, et al. **West J Med** 1986 Sep; 145(3):343–9 (94 ref.)

[Low-dose radiotherapy of pulmonary complications resulting from paraquat intoxication: report of a case] Chou MW, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Apr; 86(4):452–5 (Eng. Abstr.) **(Chi)**

[Subacute pneumopathy caused by hydrochlorothiazide. Cytologic study of the broncho-alveolar lavage] Watrigant Y, et al. **Rev Mal Respir** 1986;3(4):227–9 (Eng. Abstr.) **(Fre)**

[Respiratory complications of anticancer chemotherapy] Leclerc P, et al. **Rev Pneumol Clin** 1986;42(3):142–9 (73 ref.) (Eng. Abstr.) **(Fre)**

[Natural history and diagnostic criteria in drug-induced pneumopathies] Akoun GM, et al. **Therapie** 1986 Jul–Aug; 41(4):233–6 (Eng. Abstr.) **(Fre)**

[Diffuse alveolar hemorrhage and severe glomerulonephritis induced by D-penicillamine. Apropos of a case report with review of the literature] Bonan G, et al. **Therapie** 1986 Jul–Aug;41(4):297–8 (Eng. Abstr.) **(Fre)**

[Bronchopulmonary complications of antirheumatic drugs] Larget-Piet B, et al. **Therapie** 1986 Jul–Aug;41(4):269–77 (149 ref.) (Eng. Abstr.) **(Fre)**

[Pleuropulmonary complications caused by beta blockaders] Lavarenne J, et al. **Therapie** 1986 Jul–Aug;41(4):259–62 (21 ref.) (Eng. Abstr.) **(Fre)**

[Respiratory complications related to contrast media] Maupetit P, et al. **Therapie** 1986 Jul–Aug;41(4):285–7 (Eng. Abstr.) **(Fre)**

[Pulmonary complications of anti-infective agents] Mayaud C, et al. **Therapie** 1986 Jul–Aug;41(4):253–8 (30 ref.) (Eng. Abstr.) **(Fre)**

[Differential diagnosis and diagnostic traps in drug-induced pulmonary complications] Miguères J, et al. **Therapie** 1986 Jul–Aug;41(4):237–40 (Eng. Abstr.) **(Fre)**

[Respiratory complications of drugs used in neurology and psychiatry] Rostin M, et al. **Therapie** 1986 Jul–Aug; 41(4):263–7 (61 ref.) (Eng. Abstr.) **(Fre)**

[Lung parenchyma disease following instillation of mitomycin C in the bladder] Wilhelms E, et al.
Dtsch Med Wochenschr 1986 Oct 10;111(41):1564–6 (Eng. Abstr.) **(Ger)**

[Extracapillary proliferative glomerulonephritis and pulmonary purpura in a patient with rheumatoid arthritis treated with gold salts] Bontempini L, et al. **Pathologica** 1986 Sep–Oct;78(1057):647–55 (Eng. Abstr.) **(Ita)**

[Recurrent pneumothorax and cystic disease of the lung, in a case receiving steroid therapy for rheumatoid arthritis] Matsushima Y, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1986 May; 24(5):547–52 (Eng. Abstr.) **(Jpn)**

[Newly isolated glycolipids from Rhodococcus terrae cell wall and their granuloma forming activities] Kurano S, et al. **Yakugaku Zasshi** 1987 Jan;107(1):46–52 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

[Classification of pathological changes in the lung in perinatal deaths] Plank J. **Morphol Igazsagugyi Orv Sz** 1987 Jul; 27(3):183–6 (Eng. Abstr.) **(Hun)**

[Problems of classification of bullous lung disease] Smoliar VA. **Grudn Khir** 1987 Jul–Aug;(4):24–30 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Apical fibrocavitary lesions of the lung in rheumatoid arthritis. Report of two cases and review of the literature. Yue CC, et al. **Am J Med** 1986 Oct;81(4):741–6

Granuloma-related hypercalcemia in lipoid pneumonia. Rolla AR, et al. **Am J Med Sci** 1986 Nov;292(5):313–6

Membranoproliferative glomerulonephritis associated with pulmonary sarcoidosis. Molle D, et al. **Am J Nephrol** 1986; 6(5):386–7

Diffuse intrapulmonary hemorrhage and renal failure in adult Henoch–Schönlein purpura. Shichiri M, et al.
Am J Nephrol 1987;7(2):140–2

Collagen metabolism during right ventricular hypertrophy following induced lung injury. Turner JE, et al.
Am J Physiol 1986 Nov;251(5 Pt 2):H915–9

Lung injury in acute pancreatitis: primary inhibition of pulmonary phospholipid synthesis. Guice KS, et al.
Am J Surg 1987 Jan;153(1):54–61

Long-term cardiopulmonary sequelae in patients with sleep apnea and chronic lung disease. Fletcher EC, et al.
Am Rev Respir Dis 1987 Mar;135(3):525–33

NHLBI workshop summary. Pulmonary complications of the acquired immunodeficiency syndrome: an update. Report of the second National Heart, Lung and Blood Institute workshop. Murray JF, et al. **Am Rev Respir Dis** 1987 Feb; 135(2):504–9

Pulmonary histiocytosis X and carcinoma. Lombard CM, et al. **A. J Pathol Lab Med** 1987 Apr;111(4):339–41

Unexpected death associated with unusual thoracic sarcoidosis. Rubinstein I, et al. **Can Med Assoc J** 1987 May 15;136(10):1064–5

Chronic right heart failure: pulmonary considerations. Hooper RG. **Cardiovasc Clin** 1987;17(2):181–90 (47 ref.)

Aspergilloma in sarcoid and tuberculosis [editorial] Butz RO. **Chest** 1987 Sep;92(3):392

Cardiopulmonary manifestations of systemic sclerosis. Owens GR, et al. **Chest** 1987 Jan;91(1):118–27 (79 ref.)

Hemoptysis as the presenting manifestation of sarcoidosis [letter] Rubinstein I, et al. **Chest** 1987 Jun;91(6):931

Aspergilloma in sarcoid and tuberculosis. Tomlinson JR, et al. **Chest** 1987 Sep;92(3):505–8

Skin signs in pulmonary disease. Alper J, et al.
Clin Chest Med 1987 Jun;8(2):299–311

The cardiac exam in lung disease. Hill NS.
Clin Chest Med 1987 Jun;8(2):273–85 (56 ref.)

Ophthalmic manifestations of pulmonary diseases. Tsiaras W, et al. **Clin Chest Med** 1987 Jun;8(2):313–27

Recurrent haemoptysis and pulmonary haemosiderosis associated with granulomatous lung disease and von Willebrand's coagulopathy. Milman N, et al.
Eur J Respir Dis 1986 Sep;69(3):192–4

Managing the elderly patient with both hypertension and pulmonary disease. Krane NK, et al. **Geriatrics** 1987 Apr; 42(4):45–9, 52

The coexistence of Langerhans' cell granulomatosis and malignant lymphoma may take different forms: report of seven cases with a review of the literature. Neumann MP, et al. **Hum Pathol** 1986 Oct;17(10):1060–5

Coexistent Wegener's granulomatosis and anti-glomerular basement membrane disease. Wahls TL, et al.
Hum Pathol 1987 Feb;18(2):202–5

Usefulness of routine preoperative chest roentgenograms in elderly patients. Boghosian SG, et al. **J Am Geriatr Soc** 1987 Feb;35(2):142–6

Torsion of the lung causing refractory hypoxemia. Louis JR, et al. **J Trauma** 1987 Jun;27(6):687–8

Lymphangiomyomatosis associated with chylous ascites and high serum CA–125 levels: a case report. Kanbe A, et al.
Jpn J Med 1987 May;26(2):237–42

Bilateral recurrent spontaneous pneumothoraces in sarcoidosis. Sharma SK, et al. **Jpn J Med** 1987 Feb; 26(1):69–71

High-dose versus low-dose intravenous immunoglobulin in hypogammaglobulinaemia and chronic lung disease. Roifman CM, et al. **Lancet** 1987 May 9;1(8541):1075–7

Preoperative identification and evaluation of the patient with lung disease. Tisi GM. **Med Clin North Am** 1987 May; 71(3):399–412 (45 ref.)

Systemic amyloidosis with pulmonary involvement in IgD myeloma. Topilow AA, et al. **NJ Med** 1986 Nov; 83(11):739–42

Coexistence of sarcoidosis and carcinoma in a solitary pulmonary nodule. Savino A, et al. **NY State J Med** 1986 Dec;86(12):648–9

Pulmonary hemorrhage in a one-month-old child. Chernobilsky L, et al. **Pediatr Emerg Care** 1985 Jun; 1(2):81–4

Pulmonary alveolar septal calcinosis causing progressive respiratory failure in acute lymphoblastic leukemia in childhood. Sinniah D, et al. **Pediatr Pathol** 1986;6(4):439–48

Cavitation of anterior mediastinal masses in children with histiocytosis-X. Report of four cases with radiographic, pathologic findings and clinical follow up. Abramson SJ, et al. **Pediatr Radiol** 1987;17(1):10–4

Spontaneous hydropneumothorax by severe pulmonary sarcoidosis. Baldini EV, et al. **Sarcoidosis** 1984 Sep; 1(1):60–2

Hemoptysis in sarcoidosis. Chang JC, et al. **Sarcoidosis** 1987 Mar;4(1):49–54

Sarcoidosis and primary hypogammaglobulinaemia: a report of two cases and a review of the literature. Leen CL, et al. **Sarcoidosis** 1985 Sep;2(2):91–5

Hypercalciuria and renal stones in a sarcoidosis patient treated by extracorporeal shockwave lithotripsy. Sharma OP, et al. **Sarcoidosis** 1986 Mar;3(1):7–9

Sarcoidosis complicated by HTLV III-infection: steroid therapy in combination with thymostimulin. Wurm K, et al. **Sarcoidosis** 1987 Mar;4(1):68–70

[Recurrent subcutaneous and mediastinal emphysema] Keistinen T, et al. **Duodecim** 1986;102(14):961–4 **(Fin)**

[Alveolar microlithiasis in children. Contribution of bronchoalveolar lavage] Ariole P, et al.
Arch Fr Pediatr 1987 Apr;44(4):291–3 (Eng. Abstr.) **(Fre)**

[Rapidly progressing glomerulonephritis with mesangial IgA deposits in sarcoidosis] Vanhille P, et al. **Nephrologie** 1986; 7(5):207–9 (Eng. Abstr.) **(Fre)**

[Acute adult respiratory distress syndrome caused by polymicrotraumatic hemorrhagic alveolitis vegetans (letter)] Gertner J, et al. **Presse Med** 1986 Oct 18; 15(36):1827–8 **(Fre)**

[Pulmonary and cutaneous candidiasis complicating hairy cell leukemia] Tertian G, et al. **Rev Med Interne** 1987 Mar–Apr; 8(2):210–1 **(Fre)**

[A case of diffuse pulmonary amyloidosis associated with peripheral neurologic signs] Gacouin JC, et al.
Rev Pneumol Clin 1986;42(5):258–61 (Eng. Abstr.) **(Fre)**

[Association of primary biliary liver cirrhosis with sarcoidosis—separate diseases or a new nosological entity?] Ormann W. **Dtsch Med Wochenschr** 1987 Jul 3; 112(27):1082–5 (Eng. Abstr.) **(Ger)**

[The German Society of Pneumology and Tuberculosis. Recommendations for diagnostic procedures in blood expectoration] **Prax Klin Pneumol** 1986 Sep;40(9):353–5 **(Ger)**

[Recommendations of the pneumologist in the assessment of surgical risk] Gartmann J. **Ther Umsch** 1987 Jul; 44(7):517–21 (Eng. Abstr.) **(Ger)**

[A rare complication of sarcoidosis: pulmonary cavitation] Cavallo A, et al. **Radiol Med (Torino)** 1987 Jun;73(6):589–90 **(Ita)**

[A case of polyarteritis nodosa with diffuse pulmonary hemorrhage and acute renal failure] Morisaki Y, et al.
Kokyu To Junkan 1987 May;35(5):581–5 (Eng. Abstr.) **(Jpn)**

[A case of mediastinal teratoma with intrapulmonary cyst] Iizasa T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Aug;34(8):1164–8 (Eng. Abstr.) **(Jpn)**

[A case of lung cancer accompanying sarcoidosis] Kudoh S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Sep; 24(9):1039–43 (Eng. Abstr.) **(Jpn)**

[A case of multiple myeloma with diffuse parenchimatous alveoloseptal amyloidosis] Ohkusa T, et al.
Nippon Naika Gakkai Zasshi 1986 Jul;75(7):925–30 **(Jpn)**

[Emergency surgical treatment in several clinical forms of toxico-septic shock in pleuropulmonary pathology] Coman C, et al. **Rev Chir [Chir]** 1987 Jan–Feb;36(1):29–40 (Eng. Abstr.) **(Rum)**

[Treatment of suppurative diseases of the lungs complicated by hemorrhage] Kydyraliev NK, et al. **Grudn Khir** 1986 Jul–Aug;(4):92–4 **(Rus)**

[A case of sarcoidosis affecting the organ of vision] Krasnikov PG, et al. **Oftalmol Zh** 1986;(4):247–8 **(Rus)**

[Effect of prior and co-existing lung diseases on the determination of the degree of spread of lung cancer] Nguyen KD, et al. **Vopr Onkol** 1986;32(11):101–4 (Eng. Abstr.) **(Rus)**

[Electro-vectorcardiographic examination in cardiopathy of pulmonary origin] de Micheli A, et al.
Arch Inst Cardiol Mex 1987 Mar–Apr;57(2):85–96 (Eng. Abstr.) **(Spa)**

[Idiopathic pulmonary hemosiderosis. Associated myocardial involvement (letter)] Luque Díez R, et al. **Rev Clin Esp** 1986 Nov;179(8):430–1 **(Spa)**

[Idiopathic pulmonary hemosiderosis—an unusual cause of anemia in children] Elinder G, et al. **Lakartidningen** 1986 Dec 3;83(49):4197–8 **(Swe)**

CONGENITAL

Successful fetal therapy for cystic adenomatoid malformation associated with second-trimester hydrops. Clark SL, et al.
Am J Obstet Gynecol 1987 Aug;157(2):294–5

Epithelial hyperplasia and malignant change in congenital lung cysts. Sheffield EA, et al. **J Clin Pathol** 1987 Jun; 40(6):612–4

Distinguishing cardiac from pulmonary problems in the neonate. Capitanio MA. **J Thorac Imaging** 1986 Oct; 1(4):7–15

[Nosologic and morphofunctional characteristics of the lungs of fetuses and newborn infants with mothers having extragenital chronic inflammatory diseases] Bubnova NI. **Akush Ginekol (Mosk)** 1987 Feb;(2):57–9 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Kininase I and II activities in serum of patients with lung diseases. Schweisfurth H, et al. **Adv Exp Med Biol** 1986; 198 Pt B:439–42

Sarcoidosis simulating pulmonary veno-occlusive disease. Hoffstein V, et al. **Am Rev Respir Dis** 1986 Oct; 134(4):809–11

Diagnosis of pulmonary hemorrhage in the immunocompromised host. Kahn FW, et al.

Am Rev Respir Dis 1987 Jul;136(1):155–60

What is a restrictive defect? [letter] Baylor P, et al. **Arch Intern Med** 1987 Apr;147(4):797

Evaluation of pulmonary parenchymal disease by magnetic resonance imaging. Cohen MD, et al. **Br J Radiol** 1987 Mar;60(711):223–30

Diagnosis of pulmonary Kaposi's sarcoma with fiberoptic bronchoscopy and endobronchial biopsy. A report of five cases. Hamm PG, et al. **Cancer** 1987 Feb 15;59(4):807–10

Diagnostic approaches to pulmonary complications of marrow transplantation [editorial] Clark JG, et al. **Chest** 1987 Apr;91(4):477–9

Clinical aspects of pulmonary amyloidosis [letter] Graham DR, et al. **Chest** 1987 Sep;92(3):576–7

Proton magnetic resonance imaging to stage activity of interstitial lung disease. McFadden RG, et al. **Chest** 1987 Jul;92(1):31–9

Cardiopulmonary stress testing. A review of noninvasive approaches. Wait J. **Chest** 1986 Oct;90(4):504–10

Diagnostic techniques. **Clin Chest Med** 1987 Mar;8(1):1–175

The lung exam. Loudon RG. **Clin Chest Med** 1987 Jun; 8(2):265–72

Update: signs and symptoms of pulmonary disease in children. Mansell AL. **Clin Chest Med** 1987 Jun;8(2):329–34 (27 ref.)

The role of exercise testing in pulmonary diagnosis. Ries AL. **Clin Chest Med** 1987 Mar;8(1):81–9

DNA molecular biology in the diagnosis of pulmonary disease. Shoemaker SA, et al. **Clin Chest Med** 1987 Mar; 8(1):161–71

Surgical techniques in the diagnosis of pulmonary disease. Swain JA. **Clin Chest Med** 1987 Mar;8(1):43–51

Pulmonary infections in AIDS. Donath J, et al. **Compr Ther** 1987 Feb;13(2):49–58 (14 ref.)

Pulmonary plasma cell granuloma. Lebecque P, et al. **Eur J Pediatr** 1987 Mar;146(2):174–6

Pulmonary microemboli presenting as an acute infectious process. Lamb AS, et al. **Heart Lung** 1987 Mar;16(2):150–3

A case of Swyer-James syndrome, with reference to pathophysiologic and etiologic aspect. Shimamoto Y, et al. **Hiroshima J Med Sci** 1986 Jun;35(2):163–6

Evaluation of bronchoalveolar lavage (BAL) in diffuse infiltrative lung diseases. Gupta R, et al. **Indian J Chest Dis Allied Sci** 1985 Oct–Dec;27(4):201–6

Setting up pulmonary laboratories in India: problems of organisation and practical solutions. Malik SK. **Indian J Chest Dis Allied Sci** 1986 Oct–Dec;28(4):257–62

Pulmonary ossification [letter] Drachman R. **Isr J Med Sci** 1986 Jun;22(6):482

Diagnostic value of SACE [letter] Gupta SK. **J Assoc Physicians India** 1986 Nov;34(11):827

Observer variability in the pulmonary examination. Mulrow CD, et al. **J Gen Intern Med** 1986 Nov–Dec;1(6):364–7

Early, aggressive open lung biopsy in heart transplant recipients. Miller R, et al. **J Heart Transplant** 1987 Mar–Apr;6(2):96–9

A reassessment of hilar and mediastinal lymphadenopathy in patients with sarcoidosis. Woodring JH, et al. **J Ky Med Assoc** 1986 Aug;84(8):402–6

Vallecular papilloma simulating chronic pulmonary disease. Bartal N, et al. **J Laryngol Otol** 1986 Oct;100(10):1195–7

A puzzling pulmonary infiltrate. Brennan M, et al. **J Tenn Med Assoc** 1986 Sep;79(9):560–1

Paramagnetic contrast media for magnetic resonance imaging of the mediastinum and lungs. Carr DH. **J Thorac Imaging** 1985 Dec;1(1):74–8

Magnetic resonance imaging of the mediastinum, hila, and lungs. Webb WR. **J Thorac Imaging** 1985 Dec;1(1):65–73 (38 ref.)

Diagnosing pulmonary disease in the immunocompromised patient [editorial] Gadek JE. **Mayo Clin Proc** 1987 Jul; 62(7):632–3

Bronchoalveolar lavage and opportunistic pulmonary infections [editorial] Helmers RA, et al. **Mayo Clin Proc** 1987 Jul;62(7):630–1

Role of bronchoalveolar lavage in the assessment of opportunistic pulmonary infections: utility and complications. Martin WJ 2d, et al. **Mayo Clin Proc** 1987 Jul;62(7):549–57

Subacute pulmonary melioidosis in a temperate climate. Wilson JW, et al. **Med J Aust** 1987 Jul 20;147(2):95–6

Diffusing capacity for carbon monoxide as a predictor of gas exchange during exercise. Sue DY, et al. **N Engl J Med** 1987 May 21;316(21):1301–6

The 4th World Congress for Bronchology—II. Rome, June 10–13, 1984. **Panminerva Med** 1986 Jul–Sep;28(3):173–305

The value of bronchoalveolar lavage in the immuno-compromised host with suspected opportunistic lung infection. Holmes P, et al. **Panminerva Med** 1986 Apr–Jun;28(2):107–10

Pulmonary luobiopsy. Mereu C, et al. **Panminerva Med** 1986 Jul–Sep;28(3):261–3

Magnetic resonance imaging of inflammatory lung disorders: preliminary studies in children. Cohen MD, et al. **Pediatr Pulmonol** 1986 Jul–Aug;2(4):211–7

Pulmonary hemosiderosis. Levy J, et al. **Pediatr Pulmonol** 1986 Nov–Dec;2(6):384–91 (62 ref.)

Lung lesions: cytologic diagnosis by fine-needle biopsy. Stanley JH, et al. **Radiology** 1987 Feb;162(2):389–91

Detection of lung abnormalities by auscultatory percussion: a comparative study with conventional percussion. Bohadana AB, et al. **Respiration** 1986;50(3):218–25

Does activity of pulmonary sarcoidosis depend on disease duration? A correlation between bronchoalveolar lavage, scintigraphic, radiologic, and physiologic parameters and time of onset of the disease. Sanguinetti CM, et al. **Sarcoidosis** 1987 Mar;4(1):18–24

Comparison of clinical parameters, bronchoalveolar lavage, gallium-67 lung uptake, and serum angiotensin converting enzyme in assessing the activity of sarcoidosis. Staton GW Jr, et al. **Sarcoidosis** 1986 Mar;3(1):10–8

Sarcoidosis of the lung. Natural history and effects of treatment. Zych D, et al. **Sarcoidosis** 1987 Mar;4(1):64–7

Evaluation of impairment and disability in occupational lung disease. Barnhart S. **State Art Rev Occup Med** 1987 Apr–Jun;2(2):227–41

Standardizing spirometry: problems and prospects. Eisen EA. **State Art Rev Occup Med** 1987 Apr–Jun;2(2):213–25

Cardiopulmonary exercise testing to assess respiratory impairment in occupational lung disease. Sherman CB. **State Art Rev Occup Med** 1987 Apr–Jun;2(2):243–57

[Advances in thoracoscopy] Dai JX. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Jun;9(3):183–5 (24 ref.) **(Chi)**

[The analysis of 386 older persons examined with flexible fiberoptic bronchoscopy] Liang YM. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Oct;9(5):286–7, 319 (Eng. Abstr.) **(Chi)**

[Bronchoscopic protected catheter brush for the diagnosis of pulmonary infection] Lee CM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Jul;85(7):702–6 (Eng. Abstr.) **(Chi)**

[Interlobar hydropneumothorax imitating a pulmonary cyst] Zatloukal P, et al. **Sb Lek** 1987 Feb–Mar;89(2–3):76–8 (Eng. Abstr.) **(Cze)**

[Alveolar microlithiasis. Non-invasive diagnosis using alveolar lavage and technetium scintigraphy] Epardeau B, et al. **Ann Pathol** 1987;7(2):154–7 (Eng. Abstr.) **(Fre)**

[Use of the broncho-alveolar lavage technic in the clinical study of sarcoidosis patients] Georges R, et al. **Bull Acad Natl Med (Paris)** 1986 Apr;170(4):517–24 (Eng. Abstr.) **(Fre)**

[Laboratory support for the diagnosis of asthma, allergic alveolitis and sarcoidosis] Radermecker M. **Rev Med Liege** 1986 Oct 1;41(19):734–7 (7 ref.) **(Fre)**

[Pre-anesthesia pulmonary evaluation] Brigljevic M, et al. **Rev Med Suisse Romande** 1986 Oct;106(10):919–26 **(Fre)**

[Data of broncho-alveolar lavage and pulmonary histiocytosis X] Bonnet D, et al. **Rev Pneumol Clin** 1987; 43(3):121–30 (Eng. Abstr.) **(Fre)**

[Magnetic resonance tomography (MRT) in cardiovascular and lung diagnosis] Tscholakoff D. **Acta Med Austriaca** 1986;13(3):61–6 (Eng. Abstr.) **(Ger)**

[Superfluous pneumologic diagnosis] Huber RM, et al. **Internist (Berlin)** 1986 Sep;27(9):601–7 **(Ger)**

[Assessment of prognosis in pulmonary sarcoidosis] Rust M. **Lebensversicherungsmedizin** 1986 Nov 1;38(6):161–4 (Eng. Abstr.) **(Ger)**

[Sonographic diagnosis of pleuropulmonary diseases] Börner N. **Med Klin** 1986 Jun 20;81(14):496–500 **(Ger)**

[Diagnosis of sarcoidosis using MR tomography] Dewes W, et al. **ROFO** 1987 Jun;146(6):657–63 (Eng. Abstr.) **(Ger)**

[Erythema nodosum, swollen ankles and fever (clinical conference)] Wicki P, et al. **Schweiz Rundsch Med Prax** 1987 Apr 28;76(18):496–8 (Eng. Abstr.) **(Ger)**

[Rapid in vitro diagnosis of sarcoidosis using a RIA test] Reutgen H, et al. **Z Erkr Atmungsorgane** 1986; 167(1–2):130–4 (Eng. Abstr.) **(Ger)**

[The Moschowitz syndrome. Description of a clinical case in childhood] Barberio G, et al. **Minerva Pediatr** 1987 Jan 31;39(1–2):53–7 (Eng. Abstr.) **(Ita)**

[Pathophysiological bases of lung auscultation] Mori M, et al. **Kokyu To Junkan** 1986 Jun;34(6):631–5 **(Jpn)**

[A case of Swyer-James syndrome] Narita H, et al. **Kokyu To Junkan** 1987 Mar;35(3):341–5 (Eng. Abstr.) **(Jpn)**

[Diagnostic value and significance of BALF cell analysis in patients with pulmonary diseases] Mikami M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan; 25(1):99–105 (Eng. Abstr.) **(Jpn)**

[Sarcoidosis] Bjørnstad Pettersen H. **Tidsskr Nor Laegeforen** 1986 Nov 30;106(33):2831–3 (Eng. Abstr.) **(Nor)**

[Use of monoclonal antibodies in pneumonology] Kuś J. **Pneumonol Pol** 1987 Mar;55(3):89–93 **(Pol)**

[The concept of automatization in studying and monitoring the course of disease at an outpatient pneumonologic clinic] Liebhart J, et al. **Pneumonol Pol** 1986 Oct;54(10):475–9 (15 ref.) **(Pol)**

[Long-term observations on the natural course of pulmonary sarcoidosis and the effect of corticoid therapy] Zych D, et al. **Pneumonol Pol** 1987 Jan;55(1):7–14 (Eng. Abstr.) **(Pol)**

[Carcinoembryonic antigen and alpha fetoprotein in patients with bronchial cancer and inflammatory diseases of the respiratory tract] Przybyłowski J, et al. **Pol Tyg Lek** 1986 Sep 1;41(35):1106–9 (Eng. Abstr.) **(Pol)**

[Segmental bronchoalveolar lavage with a flexible tube via a rigid bronchoscope in a case of mediastinopulmonary sarcoidosis] Faina AG, et al. **Rev Ig [Pneumoftiziol]** 1986 Jul–Sep;35(3):257–61 (Eng. Abstr.) **(Rum)**

[Interpretation of sputum bacteriology in establishing the bacterial etiology of acute bronchopulmonary infections] Burcoveanu C, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr–Jun;90(2):305–10 (Eng. Abstr.) **(Rum)**

[Use of fine-needle puncture biopsy controlled by computed tomography in diagnosing diseases of the lungs and mediastinum] Rabkin IKh, et al. **Grudn Khir** 1986 Nov–Dec;(6):56–60 (Eng. Abstr.) **(Rus)**

[Feasibility of studying regional gas exchange in children with chronic bronchopulmonary pathology using the mass spectrometry method] Sergeev VM, et al. **Grudn Khir** 1987 Jul–Aug;(4):34–7 (Eng. Abstr.) **(Rus)**

[Zonal rheopulmonography and Bergan's lateral test in preoperative examination of patients with respiratory diseases] Vizel' AA, et al. **Grudn Khir** 1987 Jul–Aug;(4):93 **(Rus)**

[Diagnostic parasternal mediastinotomy in the exploration of the mediastinum and lungs] Didenko VF, et al. **Klin Khir** 1986;(10):34–5 (Eng. Abstr.) **(Rus)**

[Experience using computerized monitoring of patients with bronchopneumopathies] Romanioli G, et al. **Pediatriia** 1986 Oct;(10):59–60 **(Rus)**

[Clinico-radionuclide studies in tuberculosis and non-tuberculous diseases of the lungs in adolescents] Ianchevskaia AA, et al. **Probl Tuberk** 1987;(1):36–9 (Eng. Abstr.) **(Rus)**

[Thoracoscopy in the diagnosis of disseminated lesions of the lungs] Ioffe LTs, et al. **Probl Tuberk** 1986;(7):29–32 (Eng. Abstr.) **(Rus)**

[Clinical value of diagnostic bronchoalveolar lavage in diffuse diseases of the lungs] Khomenko AG, et al. **Probl Tuberk** 1987;(1):22–7 (Eng. Abstr.) **(Rus)**

[Bronchological methods in the diagnosis of lung cavities] Pavlov R, et al. **Probl Tuberk** 1987;(4):21–3 (Eng. Abstr.) **(Rus)**

[Various aspects of the differential diagnosis of a pulmonary syndrome in systemic scleroderma and chronic aspecific lung diseases] Doroshenko IuA, et al. **Ter Arkh** 1987; 59(4):92–7 (Eng. Abstr.) **(Rus)**

[Disseminated processes in the lungs—a current problem of modern pulmonology] Il'kovich MM, et al. **Ter Arkh** 1986; 58(6):77–80 (Eng. Abstr.) **(Rus)**

[A case of macrofocal disseminated pulmonary granulomatosis] Ovcharenko SI, et al. **Ter Arkh** 1987; 59(6):134–6 **(Rus)**

[Diagnosis and treatment of pneumatic cysts of the lung] Neimark II. **Vestn Khir** 1987 Apr;138(4):3–7 (Eng. Abstr.) **(Rus)**

[Cytologic enzyme indices and the functional properties of the blood neutrophils in patients with chronic nonspecific lung diseases] Shelygina NM, et al. **Vrach Delo** 1986 Sep; (9):53–5 (Eng. Abstr.) **(Rus)**

[Neurohumoral system indices in the diagnosis and treatment of chronic nonspecific lung diseases with cor pulmonale] Vizir AD, et al. **Vrach Delo** 1986 Oct;(10):37–40 (Eng. Abstr.) **(Rus)**

[Transbronchial biopsy in the etiologic diagnosis of peripheral lung lesions] Mrda V, et al. **Plucne Bolesti** 1986 Apr–Jun;38(2):169–71 (Eng. Abstr.) **(Scr)**

[The value of transbronchial biopsy in the diagnosis of sarcoidosis] Mrdja V, et al. **Vojnosanit Pregl** 1986 Sep–Oct; 43(5):353–6 (Eng. Abstr.) **(Scr)**

[Updating of diagnostic technics in pediatric pneumonology (editorial)] Martínez Gómez M. **An Esp Pediatr** 1987 Mar; 26(3):157–8 **(Spa)**

[Lymphomatoid granulomatosis. Presentation of 3 cases] Agustí C, et al. **Med Clin (Barc)** 1986 Nov 1;87(14):594–6 (Eng. Abstr.) **(Spa)**

[Necrotizing sarcoid granulomatosis. Report of a new case (letter)] Borro Maté J, et al. **Rev Clin Esp** 1987 Apr; 180(7):409–10 **(Spa)**

DRUG THERAPY

Ciprofloxacin versus tobramycin plus azlocillin in pulmonary exacerbations in adult patients with cystic fibrosis. Bosso JA, et al. **Am J Med** 1987 Apr 27;82(4A):180–4

Ciprofloxacin monotherapy for acute pulmonary exacerbations of cystic fibrosis. Goldfarb J, et al. **Am J Med** 1987 Apr 27;82(4A):174–9

Ciprofloxacin: comparative data in cystic fibrosis. Rubio TT. **Am J Med** 1987 Apr 27;82(4A):185–8

Ciprofloxacin therapy in cystic fibrosis. Scully BE, et al. **Am J Med** 1987 Apr 27;82(4A):196–201

Cardiovascular effects of tolazoline and ranitidine. Bush A, et al. **Arch Dis Child** 1987 Mar;62(3):241–6

Respiratory pharmacology. **Clin Chest Med** 1986 Sep; 7(3):311–518

Pulmonary sarcoidosis: steroid treatment. Yamamoto M. **Clin Dermatol** 1986 Oct–Dec;4(4):121–8 (29 ref.)

Aerosols as a way of treating patients. Clarke SW. **Eur J Respir Dis [Suppl]** 1986;146:525–33 (28 ref.)

Colistin inhalation therapy in cystic fibrosis patients with chronic Pseudomonas aeruginosa lung infection. Jensen T, et al. **J Antimicrob Chemother** 1987 Jun;19(6):831–8

Neither anticoagulant nor nonanticoagulant heparin affects monocrotaline lung injury. Fasules JW, et al. **J Appl Physiol** 1987 Feb;62(2):816–20

Effects of metaproterenol on pulmonary mechanics, oxygenation, and ventilation in infants with chronic lung disease. Cabal LA, et al. **J Pediatr** 1987 Jan;110(1):116–9

Lung permeability and hemodynamics during endotoxemia: effect of aprotinin. Winn R, et al. **J Surg Res** 1986 Dec; 41(6):620–6

Cyclosporin in pulmonary sarcoidosis [letter] Rebuck AS, et al. **Lancet** 1987 Jun 27;1(8548):1486

Efficacy of aztreonam in pulmonary exacerbations of cystic fibrosis. Bosso JA, et al. **Pediatr Infect Dis J** 1987 Apr; 6(4):393–7

New aspects in the treatment of pulmonary and upper airways diseases. Proceedings of the satellite symposium to the 4th Congress of the European Society of Pneumology. Milano and Stresa, September 23–28, 1985. **Respiration** 1987;51 Suppl 1:1–68

Maintenance of Pseudomonas antibiotic sensitivity in patients with cystic fibrosis treated with inhaled antibiotics [letter] Wittenberg DF. **S Afr Med J** 1987 Mar 7;71(5):335–6

Evidence that steroids alter the natural history of previously untreated progressive pulmonary sarcoidosis. Odlum CM, et al. **Sarcoidosis** 1986 Mar;3(1):40–6

Azathioprine treatment of chronic pulmonary sarcoidosis. Pacheco Y, et al. **Sarcoidosis** 1985 Sep;2(2):107–13

Rate of improvement of pulmonary function in sarcoidosis during treatment with corticosteroids. Goldstein DS, et al. **Thorax** 1986 Jun;41(6):473–4

Corticosteroid treatment in pulmonary sarcoidosis: do serial lavage lymphocyte counts, serum angiotensin converting enzyme measurements, and gallium-67 scans help management? Turner-Warwick M, et al. **Thorax** 1986 Dec; 41(12):903–13

Pulmonary tuberous sclerosis treated with tamoxifen and progesterone. Westermann CJ, et al. **Thorax** 1986 Nov; 41(11):892–3

Effect of oral salbutamol on mucociliary clearance mechanisms in the lungs. Isawa T, et al. **Tohoku J Exp Med** 1986 Sep;150(1):51–61

[Value of the combination cyclophosphamide–prednisone in the treatment of idiopathic pulmonary hemosiderosis. Apropos of a case [letter]] Einhorn S, et al. **Ann Med Interne (Paris)** 1987;138(2):144–5 **(Fre)**

[Importance of Foscarnet in the treatment of cytomegalovirus pneumopathy in a patient with acquired immunodeficiency syndrome [letter]] Brochard L, et al. **Presse Med** 1986 Nov 15;15(40):2022–3 **(Fre)**

[Glucocorticoids in diseases of the lung and bronchi] Feddersen CO, et al. **Prax Klin Pneumol** 1987 Jun; 41(6):197–210 **(Ger)**

[Long-term evaluation of immunosuppressive therapy in childhood idiopathic pulmonary hemosiderosis] Bagnato L, et al. **Pediatr Med Chir** 1986 Sep–Oct;8(5):671–4 (Eng. Abstr.) **(Ita)**

[Comparative study of cefuzonam (CZON) with cefotiam in bacterial pneumonia and pulmonary suppuration] Soejima R, et al. **Kansenshogaku Zasshi** 1986 Aug; 60(8):885–910 (Eng. Abstr.) **(Jpn)**

[Calcium antagonists—a new class of drugs used in the treatment of lung diseases (current status and outlook)] Mihăltan F. **Rev Ig [Pneumoftiziol]** 1986 Oct–Dec; 35(4):289–97 (30 ref.) **(Rum)**

[Amino acids and anabolic steroids in the treatment of suppurative diseases of the lungs] Korepanov AM, et al. **Klin Med (Mosk)** 1987 Feb;65(2):61–4 **(Rus)**

[Aerosol therapy in bronchopulmonary diseases at a sanatorium] Efimova RF. **Pediatriia** 1986 Nov;(11):72–3 **(Rus)**

[Intermittent hormonal therapy of patients with sarcoidosis] Shkunov AN. **Probl Tuberk** 1986;(7):44–7 (Eng. Abstr.) **(Rus)**

[Use of antioxidants in chronic nonspecific lung diseases (a review of the literature)] Redchits IV, et al. **Vrach Delo** 1986 Nov;(11):8–11 (37 ref.) **(Rus)**

[Treatment of idiopathic pulmonary hemosiderosis (letter)] Lepe JL. **Bol Med Hosp Infant Mex** 1987 Apr;44(4):245–6 **(Spa)**

ECONOMICS

[Socioeconomic and medico-organizational aspects of the outpatient diagnosis of surgical pathology of the lungs and mediastinum] Kuzin MI, et al. **Sov Zdravookhr** 1986; (8):39–42 **(Rus)**

EMBRYOLOGY

Prenatal diagnosis of type III congenital cystic adenomatoid malformation of the lung. Carles D, et al. **J Genet Hum** 1986 Aug;34(3–4):339–41

ENZYMOLOGY

Value of determination of kininase II in bronchoalveolar lavage fluid. Schweisfurth H, et al. **Adv Exp Med Biol** 1986; 198 Pt A:523–8

Clinical significance of serum thermolysin-like metalloendopeptidase and its relationship to serum angiotensin converting enzyme in sarcoidosis. Almenoff J, et al. **Am J Med** 1987 Jan;82(1):33–8

Effect of 0.64 ppm ozone on alveolar macrophage lysozyme levels in rats with chronic pulmonary bacterial infection. Sherwood RL, et al. **Environ Res** 1986 Dec;41(2):378–87

Direct radioimmunoassay of angiotensin-converting enzyme in sera from patients with pulmonary diseases. Hiwada K, et al. **Lung** 1987;165(1):27–35

Serum angiotensin-converting-enzyme in rabbits with and without pulmonary granulomatosis. Granulomatosis induced with complete-Freund's-adjuvant or BCG. Lieberman J, et al. **Sarcoidosis** 1986 Mar;3(1):60–6

ETIOLOGY

Some remarks on lung function in amyotrophic lateral sclerosis. Ioli F, et al. **Adv Exp Med Biol** 1987;209:139–42

Thoracic manifestations of AIDS. Hollerman JJ, et al. **Am Fam Physician** 1987 Jan;35(1):109–18

Man-made vitreous fibers: an overview of studies on their biologic effects. Gross P. **Am Ind Hyg Assoc J** 1986 Nov; 47(11):717–23

The respiratory effects of particles, vapours, and fumes. Morgan WK. **Am Ind Hyg Assoc J** 1986 Nov;47(11):670–3

A chronic lung disorder following abdominal pregnancy. Bell JB, et al. **Am J Dis Child** 1987 Oct;141(10):1111–3

Chronic lung disease in infants with very low birth weight. A population-based study. Kraybill EN, et al. **Am J Dis Child** 1987 Jul;141(7):784–8

Two-year inhalation toxicity study of petroleum coke in rats and monkeys. Klonne DR, et al. **Am J Ind Med** 1987; 11(3):375–89

Smoking, morbidity, and pulmonary function in a group of ex-asbestos workers: a pilot study. Richter ED, et al. **Am J Ind Med** 1986;10(5–6):515–23

Common problems in asbestos-related pulmonary diseases. Rubin AH. **Am J Ind Med** 1986;10(5–6):555–62

Pulmonary cell reactions and occupational lung disease: revision of terminology [editorial] Rylander R. **Am J Ind Med** 1987;11(5):495–6

Response of pulmonary macrophages to hyperoxic pulmonary injury. Acquisition of surface fibronectin and fibrin/ogen and enhanced expression of a fibronectin receptor. Kradin RL, et al. **Am J Pathol** 1986 Nov; 125(2):349–57

Daily air pollution effects on children's respiratory symptoms and peak expiratory flow. Vedal S, et al. **Am J Public Health** 1987 Jun;77(6):694–8

Diffuse pulmonary hemorrhage. An uncommon manifestation of Wegener's granulomatosis. Travis WD, et al. **Am J Surg Pathol** 1987 Sep;11(9):702–8

The diagnosis of nonmalignant diseases related to asbestos [letter] Franzblau A, et al. **Am Rev Respir Dis** 1987 Sep; 136(3):790–1

Current concepts of the pathogenesis of sarcoidosis. Thomas PD, et al. **Am Rev Respir Dis** 1987 Mar;135(3):747–60 (240 ref.)

Pulmonary dysfunction during one-lung ventilation caused by HLA-specific antibodies against leukocytes. De Wolf AM, et al. **Anesth Analg** 1987 May;66(5):463–7

Pulmonary disease in polymyositis/dermatomyositis: a clinicopathological analysis of 65 autopsy cases. Lakhanpal S, et al. **Ann Rheum Dis** 1987 Jan;46(1):23–9

Pulmonary haemosiderosis and gluten. Reading R, et al. **Arch Dis Child** 1987 May;62(5):513–5

Respiratory and allergic disorders in workers exposed to grain and flour dusts. Awad el Karim MA, et al. **Arch Environ Health** 1986 Sep–Oct;41(5):297–301

Ventilatory function in rubber processing workers: acute changes over the workshift. Governa M, et al. **Br J Ind Med** 1987 Feb;44(2):83–9

Update on lung disease in coalminers. Soutar CA. **Br J Ind Med** 1987 Mar;44(3):145–8 (45 ref.)

Respiration and connective tissue diseases [letter] Grant IW. **Br Med J [Clin Res]** 1987 Mar 28;294(6575):836–7

ABC of AIDS. AIDS and the lung. Millar A. **Br Med J [Clin Res]** 1987 May 23;294(6583):1334–7

Association of germ cell tumours of the testis and intrathoracic sarcoid-like lesions. Urbanski SJ, et al. **Can Med Assoc J** 1987 Sep 1;137(5):416–7

Pulmonary lipogranulomatosis due to excessive consumption of apples. Duboucher C, et al. **Chest** 1986 Oct;90(4):611–2

A case of secondary syphilis with a solitary pulmonary lesion. Kurumaji Y, et al. **Dermatologica** 1987;174(1):23–7

Diffuse pulmonary hemorrhage associated with anticoagulant therapy. Santalo M, et al. **Eur J Respir Dis** 1986 Aug; 69(2):114–9

The role of monoclonal antibodies in the study of chronic inflammatory respiratory diseases induced by dust inhalation. Teles De Araújo A, et al. **Eur J Respir Dis [Suppl]** 1986;146:203–10

Smoking and respiratory disease excluding lung cancer. Peach H. **IARC Sci Publ** 1986;(74):61–72 (41 ref.)

Pulmonary leukostasis in a patient with chronic myeloid leukemia. Dhand R, et al. **Indian J Chest Dis Allied Sci** 1986 Oct–Dec;28(4):253–6

Pulmonary involvement in Wegener's granulomatosis. Sakhuja V, et al. **Indian J Chest Dis Allied Sci** 1986 Apr–Jun;28(2):99–104

Acquired pulmonary atresia following placement of modified Blalock-Taussig shunt in tetralogy of Fallot. Casta A. **Int J Cardiol** 1987 May;15(2):244–7

Pulmonary vascular disease in infants with complete atrioventricular septal defect. Frescura C, et al. **Int J Cardiol** 1987 Apr;15(1):91–103

Lichen myxedematosus. An unusual case with rapid progression and possible internal involvement. Truhan AP, et al. **Int J Dermatol** 1987 Mar;26(2):91–5

Radiation and chemotherapy induced lung toxicity [editorial] Van Houtte P. **Int J Radiat Oncol Biol Phys** 1987 Apr; 13(4):647–9

Minimal long-term cardiopulmonary dysfunction following treatment for Hodgkin's disease. Watchie J, et al. **Int J Radiat Oncol Biol Phys** 1987 Apr;13(4):517–24

Methods of analysis of occupational lung disease. Patterson R, et al. **J Allergy Clin Immunol** 1986 Nov;78(5 Pt 2):1063–6

Interleukin-1-induced granulocytopenia and pulmonary leukostasis in rabbits. Goldblum SE, et al. **J Appl Physiol** 1987 Jan;62(1):122–8

Effect of granulocyte depletion in a ventilated surfactant-depleted lung. Kawano T, et al. **J Appl Physiol** 1987 Jan;62(1):27–33

Effects of hyperoxia on alveolar permeability of neutropenic rabbits. Laughlin MJ, et al. **J Appl Physiol** 1986 Sep; 61(3):1126–31

Acute effects of thoracic irradiation on lung function and structure in awake sheep. Loyd JE, et al. **J Appl Physiol** 1987 Jan;62(1):208–18

Mitigation of pulmonary hyperoxic injury by administration of exogenous surfactant. Matalon S, et al. **J Appl Physiol** 1987 Feb;62(2):756–61

The incidence and implications of chest radiographic abnormalities following orthotopic liver transplantation. Costello P, et al. **J Can Assoc Radiol** 1987 Jun;38(2):90–5

Hyperoxic lung injury in mice: a possible protective role for prostacyclin. Smith LJ, et al. **J Lab Clin Med** 1986 Nov; 108(5):479–88

Association of lipid-laden alveolar macrophages and gastroesophageal reflux in children. Nussbaum E, et al. **J Pediatr** 1987 Feb;110(2):190–4

Thyrotoxic heart disease presenting as unilateral pulmonary consolidation. O'Donoghue DJ, et al. **J R Soc Med** 1987 Feb;80(2):114–5

Pulmonary complications of total parenteral nutrition in a neonate. Rubin S, et al. **J R Soc Med** 1986 Sep;79(9):545–7

Rheumatoid-like arthritis presenting as idiopathic pulmonary hemosiderosis: a report and review of the literature. Lemley DE, et al. **J Rheumatol** 1986 Oct;13(5):954–7

Lung alterations in thoracic trauma. Greene R. **J Thorac Imaging** 1987 Jul;2(3):1–11

Pulmonary infection in cystic fibrosis—still a sticky problem [editorial] **Lancet** 1986 Dec 13;2(8520):1372–3

Association of Metsovo lung and pleural mesothelioma with exposure to tremolite-containing whitewash. Langer AM, et al. **Lancet** 1987 Apr 25;1(8539):965–7

Tension pneumatocoele complicating severe cavitating pneumonia in an infant: a case report. Ng Leong Fook, et al. **Med J Malaysia** 1986 Mar;41(1):48–50

Aids. Case for diagnosis. Macher AM, et al. **Milit Med** 1986 Nov;151(11):M73–80

Bronchopleural fistula: pulmonary changes in a neonate. Pious RH, et al. **Mt Sinai J Med (NY)** 1986 Jun;53(6):485–8

Pulmonary infiltrates in an immunocompromised patient. Strauss I, et al. **Mt Sinai J Med (NY)** 1986 Dec;53(8):680–2

Reduction in pulmonary function and increased frequency of cough associated with passive smoking in teenage athletes. Tsimoyianis GV, et al. **Pediatrics** 1987 Jul; 80(1):32–6

Neutrophil protease enzymes and oxygen free radicals as mediators of pulmonary membrane damage. Westaby S. **Prog Clin Biol Res** 1987;236A:75–86

The early involvement of pulmonary prostaglandins in hyperoxic lung injury. Hageman JR, et al. **Prostaglandins Leukotrienes Med** 1986 Dec;25(2–3):105–22

Interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture [letter] Milne EN, et al. **Radiology** 1987 Jul;164(1):286–7

Interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture. Panicek DM, et al. **Radiology** 1987 Jan;162(1 Pt 1):165–6

Multiple peripheral pulmonary nodules preceding rheumatoid arthritis. Nüsslein HG, et al. **Rheumatol Int** 1987;7(2):89–91

Aetiology of pulmonary dysfunction in total hip replacement operations. The influence of nifedipine on the factors involved. du Toit HJ, et al. **S Afr Med J** 1987 Mar 7; 71(5):279–82

Henoch Schonlein purpura presenting with pulmonary haemorrhage. Payton CD, et al. **Scott Med J** 1987 Feb; 32(1):26–7

Occupational pulmonary disease. **State Art Rev Occup Med** 1987 Apr–Jun;2(2):213–428

Pulmonary injury in burned patients. Herndon DN, et al. **Surg Clin North Am** 1987 Feb;67(1):31–46 (113 ref.)

Sarcoidosis: a disorder commoner in non-smokers? Douglas JG, et al. **Thorax** 1986 Oct;41(10):787–91

Bone marrow transplantation and the lung. Hamilton PJ, et al. **Thorax** 1986 Jul;41(7):497–502 (88 ref.)

Lung function changes after allogenic bone marrow transplantation. Link H, et al. **Thorax** 1986 Jul;41(7):508–12

Organic dust toxicity (pulmonary mycotoxicosis) associated with silo unloading. May JJ, et al. **Thorax** 1986 Dec; 41(12):919–23

Pulmonary complications of orthotopic liver transplantation. Jensen WA, et al. **Transplantation** 1986 Nov;42(5):484–90

Hemorrhage: a complication of metastatic testicular choriocarcinoma. Motzer RJ, et al. **Urology** 1987 Aug; 30(2):119–22

Pulmonary foreign body granulomatosis: case report. Fitzer PM. **Va Med** 1987 Mar;114(3):156–8

Pulmonary nocardiosis in a renal transplant patient. Park K, et al. **Yonsei Med J** 1987;28(2):157–61

[Suction machinery in the unloading of grain and feeding stuff—and health. Symptoms, lung function, sperm quality] Foldspang A, et al. **Ugeskr Laeger** 1987 Jun 22; 149(26):1764–7 (Eng. Abstr.) **(Dan)**

[The air passages and air pollution] Kreukniet J. **Ned Tijdschr Geneeskd** 1987 Jul 4;131(27):1163–6 **(Dut)**

[Pulmonary manifestations in severe ictero-hemorrhagic

leptospirosis] Ragnaud JM, et al. **Ann Med Interne (Paris)** 1987;138(4):282–6 (Eng. Abstr.) **(Fre)**

[Respiratory manifestations of alpha 1-antitrypsin deficiency in children. Clinical, biological and respiratory function study in 132 cases] Sablayrolles B, et al. **Arch Fr Pediatr** 1986 Jun-Jul;43(6):389–93 (Eng. Abstr.) **(Fre)**

[Epidemiology of occupational respiratory diseases] Pham QT. **Rev Epidemiol Sante Publique** 1986;34(4–5):299–307 (Eng. Abstr.) **(Fre)**

[Gougerot–Sjögren syndrome and Waldenström's disease with pulmonary involvement and hypercalcemia] Brissaud P, et al. **Rev Med Interne** 1986 Nov;7(5):509–11 **(Fre)**

[The role of broncho-alveolar lavage in clinical pneumology and research] Junod AF. **Schweiz Med Wochenschr** 1986 Sep 13;116(37):1235–8 (Eng. Abstr.) **(Fre)**

[Problems of occupationally induced respiratory allergies as exemplified by bakers' asthma] Thiel H. **Derm Beruf Umwelt** 1987 May–Jun;35(3):81–91 (31 ref.) (Eng. Abstr.) **(Ger)**

[Primary biliary liver cirrhosis and granulomatous pulmonary infiltrates] Hoffmann R, et al. **Schweiz Med Wochenschr** 1986 Aug 16;116(33):1098–102 (Eng. Abstr.) **(Ger)**

[Pleuropulmonary manifestations in chronic polyarthritis] Schlapbach P, et al. **Schweiz Med Wochenschr** 1987 Feb 28;117(9):315–21 (Eng. Abstr.) **(Ger)**

[Analysis and evaluation of irritating factors acting on the respiratory tract at swine-breeding facilities] Lübbert J, et al. **Z Gesamte Hyg** 1986 Nov;32(11):656–8 (Eng. Abstr.) **(Ger)**

[Diffusing capacity in lung impairment resulting from chronic progressive polyarthritis] Tallósy I, et al. **Orv Hetil** 1986 Aug 10;127(32):1937–9 (Eng. Abstr.) **(Hun)**

[Pulmonary involvement in AIDS] Perna F, et al. **Arch Monaldi** 1985 May–Aug;40(3–4):165–86 (Eng. Abstr.) **(Ita)**

[Interaction and synergism in epidemiological studies. The case of smoking and occupational exposure in respiratory pathology] Figà-Talamanca I. **Med Lav** 1987 Mar–Apr; 78(2):93–104 (Eng. Abstr.) **(Ita)**

[Bronchopulmonary dysplasia after treatment with continuous negative pressure] Pesenti P, et al. **Pediatr Med Chir** 1986 May–Jun;8(3):369–71 (Eng. Abstr.) **(Ita)**

[A case of chronic mucocutaneous candidiasis (CMCC) with repeated pulmonary abscess and sepsis] Tsukaguchi K, et al. **Kansenshogaku Zasshi** 1987 Mar;61(3):356–61 (Eng. Abstr.) **(Jpn)**

[Smoking and lung diseases] Kaneko T, et al. **Kokyu To Junkan** 1986 Dec;34(12):1248–58 (96 ref.) **(Jpn)**

[A case of immediate traumatic pulmonary pseudocyst] Araki Y, et al. **Kyobu Geka** 1986 Nov;39(11):901–4 (Eng. Abstr.) **(Jpn)**

[Mechanism of pulmonary congestion in ligature strangulation (I)] Kita T, et al. **Nippon Hoigaku Zasshi** 1986 Apr;40(2):129–31 (Eng. Abstr.) **(Jpn)**

[Mechanism of pulmonary congestion in ligature strangulation (II)] Kita T, et al. **Nippon Hoigaku Zasshi** 1986 Jun;40(3):282–6 (Eng. Abstr.) **(Jpn)**

[An autopsy case of systemic lupus erythematosus complicated by pulmonary hemorrhage] Asano Y, et al. **Nippon Naika Gakkai Zasshi** 1987 Mar;76(3):436–40 **(Jpn)**

[A case of typical diffuse alveolar septal pulmonary amyloidosis involved by multiple myeloma] Koike M, et al. **Rinsho Ketsueki** 1987 Mar;28(3):413–7 (Eng. Abstr.) **(Jpn)**

[Rheumatoid lung disease] Aarset H, et al. **Tidsskr Nor Laegeforen** 1987 Apr 30;107(12):1027–8 (Eng. Abstr.) **(Nor)**

[Severe pulmonary hemorrhage in lung barotrauma in a diver] Krzyżak J. **Pol Tyg Lek** 1986 Aug 25;41(34):1077–9 (Eng. Abstr.) **(Pol)**

[Acquired immunodeficiency syndrome (AIDS): the implications for current pneumological practice] Teodorovici G, et al. **Rev Ig [Pneumoftiziol]** 1987 Jan–Mar; 36(1):9–19 (61 ref.) **(Rum)**

[Relationship of changes in the pulmonary surfactant system to postoperative pulmonary complications] Avrutskiĭ MIa, et al. **Anesteziol Reanimatol** 1987 Mar–Apr;(2):42–4 (Eng. Abstr.) **(Rus)**

[Structural changes in the lungs induced by different levels of hyperbaric oxygenation] Kharchenko NM, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):604–6 (Eng. Abstr.) **(Rus)**

[Effect of infrasound on pulmonary structure] Svidovyĭ VI, et al. **Gig Tr Prof Zabol** 1987 Jan;(1):34–7 (Eng. Abstr.) **(Rus)**

[Adaptive and cumulative effects in the dog exposed to routine +GZ acceleration] Vartbaronov RA, et al. **Kosm Biol Aviakosm Med** 1987 Mar–Apr;21(2):37–40 (Eng. Abstr.) **(Rus)**

[Pathogenesis of chronic bronchopulmonary processes] Bogadel'nikov IV, et al. **Pediatriia** 1987;(1):91–5 (63 ref.) **(Rus)**

[Individual aspects of pathogenesis and diagnosis of cardiorespiratory disorders in rheumatoid arthritis and systemic scleroderma] Doroshenko IuA, et al. **Ter Arkh** 1986;58(7):68–72 (Eng. Abstr.) **(Rus)**

[Early pulmonary complications in acute pancreatitis patients] Maslov VI, et al. **Vestn Khir** 1987 Jan;138(1):79–80 **(Rus)**

[Pleuropulmonary complications of chronic alcoholic pancreatitis] Putov NV, et al. **Vestn Khir** 1987 Jan; 138(1):81–4 **(Rus)**

[Significance of various respiratory viruses in the development of chronic nonspecific bronchopulmonary processes] Ketiladze ES, et al. **Vopr Virusol** 1986 May–Jun; 31(3):310–4 (Eng. Abstr.) **(Rus)**

[Pulmonary complications of severe craniocerebral injuries and their prevention (clinico-morphologic aspects)] Shanin IuN, et al. **Zh Vopr Neirokhir** 1987 Jan–Feb;(1):3–6 (Eng. Abstr.) **(Rus)**

[Unilateral lung disease with a unilateral nasal obstruction caused by a deviated septum] Radosavljević M, et al. **Med Pregl** 1986;39(3–4):155–8 (Eng. Abstr.) **(Scr)**

[Reflux-aspiration bronchopneumopathy] Goldner B, et al. **Plucne Bolesti** 1986 Apr–Jun;38(2):128–33 (Eng. Abstr.) **(Scr)**

[Lung infiltrates in the immunodeficient patient (II)] Gatell JM, et al. **Med Clin (Barc)** 1987 May 9;88(18):732–7 (101 ref.) **(Spa)**

[Lung infiltrates in the immunodeficient patient (I)] Gatell JM, et al. **Med Clin (Barc)** 1987 May 9;88(18):726–31 **(Spa)**

[Renal vasculitis, diffuse pulmonary hemorrhage and silicosis. Analysis of 2 cases] Pérez Pérez AJ, et al. **Med Clin (Barc)** 1986 Dec 13;87(20):858–60 (Eng. Abstr.) **(Spa)**

[Acquired immunodeficiency syndrome and the lung] Xaubet Mir A, et al. **Med Clin (Barc)** 1987 Feb 28;88(8):322–4 **(Spa)**

[Eikenella corrodens pleuropulmonary infections] Pérez Trallero E, et al. **Rev Clin Esp** 1987 Jun;181(2):90–1 (Eng. Abstr.) **(Spa)**

[Pulmonary involvement in ulcerative colitis] Martín Duce A, et al. **Rev Esp Enferm Apar Dig** 1986 Oct;70(4):369–71 (Eng. Abstr.) **(Spa)**

[Pathogenesis of pulmonary involvement in collagen-vascular diseases] **Rev Med Chil** 1986 Dec; 114(12):1195–6 **(Spa)**

[Evaluation of pulmonary involvement in collagen-vascular diseases (editorial)] Farga V. **Rev Med Chil** 1986 Oct; 114(10):1000–1 **(Spa)**

[Lung involvement in less frequent collagen-vascular diseases] Farga V. **Rev Med Chil** 1986 Nov; 114(11):1098–100 **(Spa)**

[Pulmonary involvement in systemic lupus erythematosus] Grisanti M. **Rev Med Chil** 1986 Sep;114(9):896–900 (Eng. Abstr.) **(Spa)**

[Pulmonary involvement in progressive systemic sclerosis] Grisanti M, et al. **Rev Med Chil** 1986 Oct;114(10):1002–5 (Eng. Abstr.) **(Spa)**

[Lung involvement in rheumatoid arthritis] Grisanti M. **Rev Med Chil** 1986 Nov;114(11):1100–4 (Eng. Abstr.) **(Spa)**

[Pulmonary involvement in dermatomyositis, Sjogren's disease and mixed connective tissue disease] Grisanti M, et al. **Rev Med Chil** 1986 Dec;114(12):1196–202 (Eng. Abstr.) **(Spa)**

[Diffuse pulmonary hemorrhages] Rodríguez JC. **Rev Med Chil** 1987 Feb;115(2):173–6 (Eng. Abstr.) **(Spa)**

[Atelectatic pleural shrinking—a benign round mass in the lung in patients exposed to asbestos] Dernevik L. **Lakartidningen** 1987 Jun 10;84(24):2116–8 **(Swe)**

FAMILIAL & GENETIC

Deoxyribonucleic acid (DNA) polymorphism of the alpha 1-antitrypsin gene in chronic lung disease. Kalsheker NA, et al. **Br Med J [Clin Res]** 1987 Jun 13;294(6586):1511–4

Association of HLA-DR with sarcoidosis. Correlation with clinical course. Abe S, et al. **Chest** 1987 Sep;92(3):488–90

[Genetic analysis of pulmonary diseases] Sasazuki T. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan;25(1):3–5 (Eng. Abstr.) **(Jpn)**

[Genetic diseases of the lungs in children] Durand P. **Pediatriia** 1986 Sep;(9):44–6 **(Rus)**

[Role of hereditary factors in pulmonary pathology] Khomenko AG, et al. **Vestn Akad Med Nauk SSSR** 1986; (9):61–6 (Eng. Abstr.) **(Rus)**

HISTORY

Pulmonary research: where have we come and what does the future hold? [editorial] Hurd SS, et al. **Am Rev Respir Dis** 1987 Sep;136(3):542–4

[Ludwig Traube's contribution to pulmology] Berndt H. **Z Arztl Fortbild (Jena)** 1986;80(15):641–3 **(Ger)**

IMMUNOLOGY

Alveolar hemorrhage associated with a membranoproliferative glomerulonephritis and smooth muscle antibody. Zell SC, et al. **Am J Med** 1987 May; 82(5):1073–6

Lung inflammation: normal host defense or a complication of some diseases? Reynolds HY. **Annu Rev Med** 1987; 38:295–323 (124 ref.)

Comparison of bronchoalveolar lavage helper/suppressor T-cell ratios in sarcoidosis versus other interstitial lung diseases. Robinson BW, et al. **Aust NZ J Med** 1987 Feb; 17(1):9–15

Evaluation of alveolar macrophages in normals and individuals with active pulmonary sarcoidosis for the spontaneous expression of the interleukin-1 beta gene. Wewers MD, et al. **Cell Immunol** 1987 Jul;107(2):479–88

Immune alveolar hemorrhage. Leatherman JW. **Chest** 1987 Jun;91(6):891–7 (82 ref.)

Binding to cellulose of IgG from patients with interstitial lung diseases. Dewair M, et al. **Clin Chim Acta** 1987 Feb 27;163(1):87–95

The density of HLA-DR antigen expression on alveolar macrophages is increased in pulmonary sarcoidosis. Campbell DA, et al. **Clin Exp Immunol** 1986 Jul; 65(1):165–71

The effect of SO2 on the clearance of Listeria monocytogenes from the lungs of emphysematous hamsters. Trimpe KL, et al. **Environ Res** 1986 Oct;41(1):351–6

Interleukin 2 receptors are expressed by alveolar macrophages during pulmonary sarcoidosis and are inducible by lymphokine treatment of normal human lung macrophages, blood monocytes, and monocyte cell lines. Hancock WW, et al. **J Immunol** 1987 Jan 1;138(1):185–91

Alveolar macrophage phagocytic kinetics following pulmonary parainfluenza-3 virus infection. Slauson DO, et al. **J Leukocyte Biol** 1987 May;41(5):412–20

AIDS virus-specific cytotoxic T lymphocytes in lung disorders. Plata F, et al. **Nature** 1987 Jul 23–29; 328(6128):348–51

The acquired immunodeficiency syndrome (AIDS): insights into the immunopathogenesis of the pulmonary involvement. Agostini C, et al. **Sarcoidosis** 1986 Mar; 3(1):69–74

Update on immunology of sarcoidosis. Report from the Baltimore Conference. Ossi E, et al. **Sarcoidosis** 1985 Mar; 2(1):16–9

Characterization of peripheral blood T lymphocyte subsets in pulmonary sarcoidosis. Powell S, et al. **Sarcoidosis** 1987 Mar;4(1):28–32

Fc and C3 receptor expression on human alveolar macrophages in sarcoidosis. Rottoli L, et al. **Sarcoidosis** 1984 Sep;1(1):55–9

Immunologic evaluation of occupational lung disease. Newman L, et al. **State Art Rev Occup Med** 1987 Apr–Jun; 2(2):345–72

Lack of immune deficiency in sarcoidosis: compartmentalisation of the immune response. Hudspith BN, et al. **Thorax** 1987 Apr;42(4):250–5

[Mechanisms of chronification in bronchopulmonary infections] König W, et al. **Med Klin** 1986 Jun 6; 81(13):456–60 **(Ger)**

[Cellular and humoral defense mechanisms of the lung] König W, et al. **Med Klin** 1986 Jun 6;81(13):449–55 **(Ger)**

[Compartmentalized T-cell activation in active sarcoidosis] Müller-Quernheim J. **Prax Klin Pneumol** 1987 Apr; 41(4):118–28 (Eng. Abstr.) **(Ger)**

[Tolerance and immunogenic effect of preventive influenza vaccination in patients with chronic lung diseases] Krebs A, et al. **Z Erkr Atmungsorgane** 1986;167(1–2):109–15 (Eng. Abstr.) **(Ger)**

[Determination of macrophage activity in bronchoalveolar lavage fluid in patients with lung diseases] Ochendalski M, et al. **Z Erkr Atmungsorgane** 1987;168(1):19–24 (Eng. Abstr.) **(Ger)**

[Immune reactivity and immunomodulator-induced changes in bronchopulmonary infections] Algeorge G, et al. **Rev Ig [Pneumoftiziol]** 1987 Jan–Mar;36(1):57–66 (Eng. Abstr.) **(Rum)**

[Status of systemic and local immunity in patients with sarcoidosis] Chernushenko EF, et al. **Klin Med (Mosk)** 1986 Dec;64(12):40–4 (Eng. Abstr.) **(Rus)**

[Interdependence of the functional indices of phagocytosing cells from the peripheral blood and from bronchoalveolar washings in patients with lung pathology] Chernushenko EF, et al. **Lab Delo** 1986;(7):433–5 (Eng. Abstr.) **(Rus)**

[Results of immunological studies in lung diseases] Kis'ova K. **Probl Tuberk** 1986;(7):22–6 (Eng. Abstr.) **(Rus)**

[The role of immune mechanisms in the pathogenesis of chronic bronchopulmonary pathology] Borisova AM. **Ter Arkh** 1987;59(5):16–20 (Eng. Abstr.) **(Rus)**

[Dynamics of immunological indices in children with chronic nonspecific diseases of the bronchopulmonary system undergoing heliotherapy under a jalousie screen in a hot climate] Umarova KhT. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Jul–Aug;(4):66–7 **(Rus)**

[Use of the C3b-RBC binding technic for the determination of immune complexes in patients with various pathologies] Garberi JC, et al. **Sangre (Barc)** 1986;31(6):685–92 (Eng. Abstr.) **(Spa)**

METABOLISM

The anaerobic threshold: physiological and clinical significance. International Symposium on the Clinical Value of the Anaerobic Threshold in Heart and Lung Diseases. Veruno, November 22–23, 1985. Proceedings. **Adv Cardiol** 1986;35:1–158

Tumor necrosis factor production by human sarcoid alveolar macrophages. Bachwich PR, et al. **Am J Pathol** 1986 Dec; 125(3):421–5

Chemiluminescence of lung macrophages and blood leukocytes in sarcoidosis [letter] Wallaert B, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1333–4

Relationship between invasive and noninvasive measurements

of gas exchange in anesthetized infants and children. Lindahl SG, et al. **Anesthesiology** 1987 Feb;66(2):168–75
Alveolar macrophage membrane phospholipid methylation in sarcoidosis and hypersensitivity pneumonitis. Pacheco Y, et al. **Bull Eur Physiopathol Respir** 1986 Nov–Dec; 22(6):565–72
Oxygenation during ventilation by high–frequency oscillation in dogs with acute lung injury. Mansel JK, et al. **Crit Care Med** 1986 Nov;14(11):955–9
Lung phospholipids during recovery from oxygen toxicity are altered by hydrocortisone. Abe M, et al. **Exp Lung Res** 1987;12(2):119–33
Increased leukotriene C4 in ethchlorvynol–induced acute lung injury in dogs. Stephenson AH, et al. **J Appl Physiol** 1987 Feb;62(2):732–8
Beneficial effects of ibuprofen in oleic acid induced lung injury. Fuhrman TM, et al. **J Surg Res** 1987 Mar; 42(3):284–9
Procollagen III peptide in bronchoalveolar lavage fluid. A potential marker of altered collagen synthesis reflecting pulmonary disease in sarcoidosis. Bjermer L, et al. **Lab Invest** 1986 Dec;55(6):654–6
Airway branching patterns influence asbestos fiber location and the extent of tissue injury in the pulmonary parenchyma. Pinkerton KE, et al. **Lab Invest** 1986 Dec; 55(6):688–95
Two components of the plaque on the bronchial wall of the main bronchus in patients with pulmonary sarcoidosis. Ogihara M. **Panminerva Med** 1986 Oct–Dec;28(4):385–8
Animal models of oxidant lung injury. Ward PA, et al. **Respiration** 1986;50 Suppl 1:5–12 (30 ref.)
Biochemical and cytologic components of bronchoalveolar lavage fluid and venous blood in patients with bronchopulmonary diseases. Chiang CH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Jun;85(6):567–76
Lung collagen: more than scaffolding. Laurent GJ. **Thorax** 1986 Jun;41(6):418–28 (70 ref.)
Comparison of concentrations of two protcinase inhibitors, porcine pancreatic elastase inhibitory capacity, and cell profiles in sequential bronchoalveolar lavage samples. Morrison HM, et al. **Thorax** 1986 Jun;41(6):435–41
[Methylation of membrane phospholipids of alveolar macrophages in pulmonary sarcoidosis and diffuse interstitial pulmonary fibrosis] Pacheco Y, et al. **Pathol Biol (Paris)** 1986 Dec;34(10):1067–73 (Eng. Abstr.) **(Fre)**
[Extrarenal synthesis of calcitriol in sarcoidosis] Clavel S, et al. **Presse Med** 1987 Jan 31;16(3):107–10 (Eng. Abstr.) **(Fre)**
[Analysis by broncho–alveolar lavage of the pulmonary uptake of gallium 67 in idiopathic diffuse interstitial fibrosis and sarcoidosis] Vergnon JM, et al. **Rev Mal Respir** 1987; 4(2):85–93 (Eng. Abstr.) **(Fre)**
[Superoxide production by neutrophils in patients with interstitial and other lung diseases] Kadota J, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Sep; 24(9):977–84 (Eng. Abstr.) **(Jpn)**
[Surface–active properties of endobronchial washings in lung diseases] Zagorul'ko AK, et al. **Sov Med** 1987;(1):71–2 **(Rus)**

MICROBIOLOGY

Use of the protected specimen brush in patients with endotracheal or tracheostomy tubes. Baughman RP, et al. **Chest** 1987 Feb;91(2):233–6
Incidence of yeasts in sputa and urine in chest and urinary diseases. Refai M, et al. **Mykosen** 1971 Jun 1;14(6):299–302
Pulmonary infection with opportunist mycobacteria on Merseyside 1974–1983. Clague HW, et al. **Postgrad Med J** 1986 May;62(727):363–8
[Severe pneumopathy and acute renal insufficiency disclosing Chlamydia psittaci infection: resistance to the treatment with erythromycin] Garo B, et al. **Ann Med Interne (Paris)** 1987;138(4):296–7 (Eng. Abstr.) **(Fre)**
[Role of ornithosis in pneumopathies (letter)] Ragnaud JM, et al. **Ann Med Interne (Paris)** 1986;137(6):532–3 **(Fre)**
[Increasing role of Branhamella catarrhalis in bronchopulmonary pathology in adults (letter)] Denamur E, et al. **Presse Med** 1987 Jun 20;16(24):1202 **(Fre)**
[Pulmonary infiltrates of non–typhoid Salmonella (letter)] Taviot B, et al. **Presse Med** 1987 Jan 24;16(2):82–3 **(Fre)**
[Pulmonary infection caused by a rare mycobacterium, Mycobacterium malmoënse] Denis C, et al. **Rev Mal Respir** 1987;4(3):133–5 (Eng. Abstr.) **(Fre)**
[Thoracic actinomycoses. General illustrated review of 4 surgical cases] de Fenoyl O, et al. **Rev Pneumol Clin** 1986; 42(6):284–91 (Eng. Abstr.) **(Fre)**
[Bioclinical conference in pneumology. Hôpital Laennec. Case no. 3—January 1985. Pulmonary opacity and infectious syndrome resistant to non–specific antibiotic treatment] Lacronique J, et al. **Rev Pneumol Clin** 1986; 42(5):242–9 **(Fre)**
[Evaluation of transtracheal aspiration in pulmonary infection of lung cancer] Chen RM, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Oct; 24(10):1096–104 (Eng. Abstr.) **(Jpn)**
[Effect of phytoncides on the bacteria isolated from patients with respiratory pathology] Manastyrskiĭ RIa, et al. **Probl Tuberk** 1986;(9):74–5 **(Rus)**

MORTALITY

The effects of occupation and smoking on respiratory disease mortality. Foxman B, et al. **Am Rev Respir Dis** 1986 Oct; 134(4):649–52
On dust, disability, and death [editorial] Morgan WK. **Am Rev Respir Dis** 1986 Oct;134(4):639–41

OCCURRENCE

Asbestos diseases and pulmonary symptoms and signs in shipyard workers and their families in Los Angeles. Kilburn KH, et al. **Arch Intern Med** 1986 Nov;146(11):2213–20
Changes in lung function determined longitudinally compared with decline assessed cross–sectionally. The Cracow Study. Jedrychowski W, et al. **Eur J Epidemiol** 1986 Jun;2(2):134–8
Sarcoidosis and pregnancy. Haynes de Regt R. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):369–72
[Pulmonary symptoms and pulmonary function among persons aged 60 to 74 years in Fredericia. Significance of duration and place of residence in the municipality] Birkebaek NH, et al. **Ugeskr Laeger** 1987 May 25; 149(22):1492–6 (Eng. Abstr.) **(Dan)**
[Experience with the employment of telephone interviews for group screening in epidemiological studies] Groth S, et al. **Ugeskr Laeger** 1986 Nov 24;148(48):3253–6 (Eng. Abstr.) **(Dan)**
[Results of extended screening aimed at risk groups for cardiopulmonary diseases in the 10th District of Budapest] Abrahám E, et al. **Orv Hetil** 1987 Jan 11;128(2):89–90, 95–6 (Eng. Abstr.) **(Hun)**
[A score for detecting postoperative pulmonary complications, and its validity] Yasumoto K, et al. **Masui** 1986 Jul;35(7):1083–92 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Asteroid bodies [letter] Wargotz ES, et al. **Acta Cytol (Baltimore)** 1986 Sep–Oct;30(5):556–8
Pulmonary cytoplasmic hyalin resembling Mallory's alcoholic hyalin in the liver. Nonomura A, et al. **Acta Pathol Jpn** 1986 Jun;36(6):869–78
A critical review of the use of open lung biopsy in the management of the oncologic patient with acute pulmonary infiltrates. Hall TS, et al. **Am J Clin Oncol** 1987 Jun; 10(3):249–52
Pulmonary hyalinizing granuloma. Yousem SA, et al. **Am J Clin Pathol** 1987 Jan;87(1):1–6
Pulmonary lesion induced by stress in magnesium–deficient rats. A light– and electron–microscopic study [published erratum appears in Am J Pathol 1987 Sep;128(3):393] Caddell JL, et al. **Am J Pathol** 1987 Jun;127(3):430–40
Tissue identification and histologic study of six lung specimens from Egyptian mummies. Walker R, et al. **Am J Phys Anthropol** 1987 Jan;72(1):43–8
Current concepts in the surgical pathology of pulmonary infections. Colby TV, et al. **Am J Surg Pathol** 1987;11 Suppl 1:25–37 (91 ref.)
Fine–needle aspiration biopsy in diagnosis of pulmonary masses. Kaufman M, et al. **Am Surg** 1987 Jun;53(6):339–41
The contribution of anterior mediastinotomy in the diagnosis and evaluation of diseases of the mediastinum and lung. Best LA, et al. **Ann Thorac Surg** 1987 Jan;43(1):78–81
Lingular and right middle lobe biopsy in the assessment of diffuse lung disease. Miller RR, et al. **Ann Thorac Surg** 1987 Sep;44(3):269–73
Complications of transthoracic needle biopsy decreased with isobutyl 2–cyanoacrylate: a pilot study. Skupin A, et al. **Ann Thorac Surg** 1987 Apr;43(4):406–8
Pulmonary histiocytosis X. Immunoperoxidase staining for HLA–DR antigen and S100 protein. Flint A, et al. **Arch Pathol Lab Med** 1986 Oct;110(10):930–3
Angioinvasive plasma cell granulomas of the lung. Warter A, et al. **Cancer** 1987 Feb 1;59(3):435–43
Bronchoalveolar lavage can be clinically useful [editorial] Baughman RP, et al. **Chest** 1986 Dec;90(6):791–2
Extracellular matrix injury during lung inflammation. Campbell EJ, et al. **Chest** 1987 Jul;92(1):161–7 (74 ref.)
Amyloidosis of the lower respiratory tract. Clinical and pathologic features in a series of 21 patients. Cordier JF, et al. **Chest** 1986 Dec;90(6):827–31
The role of open lung biopsy in patients with the acquired immunodeficiency syndrome. Fitzgerald W, et al. **Chest** 1987 May;91(5):659–61
Clinical aspects of pulmonary amyloidosis [editorial] Gertz MA, et al. **Chest** 1986 Dec;90(6):790–1
Transbronchial lung biopsy without fluoroscopy [letter] Prigogine T, et al. **Chest** 1987 Jul;92(1):187–8
Pulmonary hemorrhage and air embolism complicating transbronchial biopsy in pulmonary amyloidosis. Strange C, et al. **Chest** 1987 Aug;92(2):367–9
Open lung biopsy in the acquired immunodeficiency syndrome (AIDS) [editorial] Stulbarg MS, et al. **Chest** 1987 May;91(5):639–40
Cytology in the diagnosis of benign lung diseases. Rosenthal DL. **Clin Chest Med** 1987 Mar;8(1):147–59
Fiberoptic bronchoscopy—diagnostic applications. Shure D. **Clin Chest Med** 1987 Mar;8(1):1–13
Clinical applications of bronchoalveolar lavage. Turner–Warwick M, et al. **Clin Chest Med** 1987 Mar; 8(1):15–26
Pathology of pulmonary sarcoidosis. Kitaichi M. **Clin Dermatol** 1986 Oct–Dec;4(4):108–15 (48 ref.)
Transthoracic needle biopsy in neoplastic and nonneoplastic pathology: experience in a general hospital. Alonso P, et al. **Diagn Cytopathol** 1986 Dec;2(4):284–9
Cytomegalovirus infection of the lung: cytomorphologic diagnosis by fine–needle aspiration cytology. Buchanan AJ, et al. **Diagn Cytopathol** 1986 Dec;2(4):341–2
Human alveolar macrophage subpopulations isolated on discontinuous albumin gradients: functional data in normals and sarcoid patients. Sandron D, et al. **Eur J Respir Dis** 1986 Oct;69(4):226–34
Crystalline structures in pulmonary cytomegalic inclusion cells from a case of AIDS. Nagao S, et al. **Fukushima J Med Sci** 1986 Jun;32(1):67–73
Massive pulmonary calcification in multiple myeloma. Report of a case. Paladini G, et al. **Haematologica (Pavia)** 1986 Jul–Aug;71(4):313–5
Pulmonary alveolar microlithiasis. A new analytical approach. Barnard NJ, et al. **Histopathology** 1987 Jun; 11(6):639–45
The widespread distribution of Langerhans cells in pathologic tissues: an ultrastructural and immunohistochemical study. Hammar S, et al. **Hum Pathol** 1986 Sep;17(9):894–905
Corticosteroid therapy suppresses spontaneous interleukin 2 release and spontaneous proliferation of lung T lymphocytes of patients with active pulmonary sarcoidosis. Pinkston P, et al. **J Immunol** 1987 Aug 1;139(3):755–60
Bacteriology of the closed duodenal loop model of acute pancreatitis and ultrastructural changes induced in the lungs. Goulbourne IA, et al. **J Surg Res** 1986 Dec; 41(6):600–8
Giant cervical herniation of an apical pulmonary bulla. Victor S, et al. **J Thorac Cardiovasc Surg** 1987 Jan;93(1):141–2
Fine needle aspiration of the lung: a pathologist's perspective. Dziura BR. **J Thorac Imaging** 1987 Apr;2(2):49–51
Transthoracic needle aspiration biopsy—optimizing the yield. Khouri NF, et al. **J Thorac Imaging** 1987 Apr;2(2):18–26
Pulmonary vascular talc granulomatosis. Schwartz IS, et al. **JAMA** 1986 Nov 14;256(18):2584
Histodiagnosis of pulmonary sarcoidosis on different organ biopsies. Eskenasy A. **Morphol Embryol (Bucur)** 1987 Apr–Jun;33(2):111–21
Biopsies of the lung and bronchial wall by flexible fiberoptic bronchoscopy in 75 patients with sarcoidosis in Turkey. Celikoğlu SI, et al. **Mt Sinai J Med (NY)** 1986 Jun; 53(6):449–51
Microascus cinereus (Emile–Weil & Gaudin) Curzi—a human pathogen? Lacey J. **Mycopathologia** 1986 Dec;96(3):137–42
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 9–1987. A 74–year–old man with diffuse pulmonary consolidations after emesis and apparent aspiration. **N Engl J Med** 1987 Feb 26; 316(9):529–41
The role of transbronchial and open lung biopsy in diagnosis and staging of interstitial diseases. Galleri C, et al. **Panminerva Med** 1986 Jul–Sep;28(3):203–5
A new flexible biopsy needle for the fiberoptic bronchoscope. Initial clinical results. Gentz HD, et al. **Panminerva Med** 1986 Jul–Sep;28(3):285–6
Diagnostic yield of bronchial mucosal biopsy with the bronchofiberscope. Palojoki A. **Panminerva Med** 1986 Jul–Sep;28(3):253–4
Cell atypia profiles for monitoring preneoplastic changes in pulmonary squamous cell carcinogenesis. Swank PR, et al. **Pathol Immunopathol Res** 1986;5(1):47–53
Lymphomatoid granulomatosis: a clinicopathologic study of 42 patients. Koss MN, et al. **Pathology** 1986 Jul;18(3):283–8
Progressive dyspnoea with pulmonary infiltrates [clinical conference] Wilcox PA, et al. **S Afr Med J** 1987 Jan 24; 71(2):100–6
Immunology of pulmonary disease—profile of the granuloma. Blasi A, et al. **Sarcoidosis** 1985 Sep;2(2):114–5
A case of gastric sarcoidosis. Dallimore NS, et al. **Sarcoidosis** 1985 Mar;2(1):42–4
Sarcoidosis and lymphoma: an unusual association. Sharma OP, et al. **Sarcoidosis** 1987 Mar;4(1):58–63
"Recurrence" of a plasma cell granuloma 11 years after initial resection. Weinberg PB, et al. **South Med J** 1987 Apr; 80(4):519–21
Phenotypic analysis of alveolar macrophages in normal subjects and in patients with interstitial lung disease. Campbell DA, et al. **Thorax** 1986 Jun;41(6):429–34
Bronchoalveolar lavage in pulmonary mycotoxicosis (organic dust toxic syndrome). Lecours R, et al. **Thorax** 1986 Dec; 41(12):924–6
Acute pulmonary toxoplasmosis with alveolitis of T suppressor lymphocyte type. Michel O, et al. **Thorax** 1986 Dec;41(12):972–3
Lung biopsy with the high speed drill in a developing country. Teklu B. **Thorax** 1986 Oct;41(10):804–7
Olivo–ponto–cerebellar atrophy with muscular atrophy, joint contractures and pulmonary hypoplasia of prenatal onset. Moerman P, et al. **Virchows Arch [A]** 1987;410(4):339–45
Bronchoalveolar lavage. Golden J. **West J Med** 1986 Sep; 145(3):362–8
[Bronchocentric granulomatosis as a complication of honeycomb lung] Dobiáš J. **Cesk Patol** 1987 Mar; 23(1):14–23 (Eng. Abstr.) **(Cze)**
[Lymphocytic angiitis and granulomatosis of the lung] Tukiainen H, et al. **Duodecim** 1987;103(1):47–51 **(Fin)**
[Pulmonary manifestations of the inaugural syndromes of AIDS and their early complications] Capron F.

Ann Pathol 1986;6(4–5):292–6 (11 ref.) (Eng. Abstr.) **(Fre)**

[Transthoracic pulmonary needle puncture. Apropos of 21 cases] Vodoz JF. **Rev Med Suisse Romande** 1986 Sep; 106(9):827–31 **(Fre)**

[Transparietal pulmonary puncture in the diagnosis of excavated pulmonary masses. Apropos of 18 cases] Le Chevalier B, et al. **Rev Pneumol Clin** 1986;42(5):226–30 (Eng. Abstr.) **(Fre)**

[Lung disease in the roentgen image, in computerized tomography and in macroscopy and histology. A pathologic and radiologic comparison] Bachor R, et al. **Med Klin** 1986 Apr 25;81(9):301–6 (Eng. Abstr.) **(Ger)**

[The pulmo-renal syndrome] Giampalmo A, et al. **Pathologe** 1987 Mar;8(2):125–6 **(Ger)**

[Relation between pulmonary cholesterol granulomatosis and alveolar proteinosis?] Häberle M, et al. **Prax Klin Pneumol** 1986 Nov;40(11):452–6 (Eng. Abstr.) **(Ger)**

[The so-called decapitated form of Wegener's granulomatosis. Value of diagnostic thoracotomy] Stamatis G, et al. **Prax Klin Pneumol** 1986 Oct;40(10):411–4 (Eng. Abstr.) **(Ger)**

[A new biopsy needle for transcutaneous histology procurement] Köhler D, et al. **Schweiz Med Wochenschr** 1987 Apr 4;117(14):527–30 (Eng. Abstr.) **(Ger)**

[Value of bronchoalveolar lavage in the diagnosis and follow-up of lung diseases] Eckert H, et al. **Z Erkr Atmungsorgane** 1986;167(1–2):91–5 (Eng. Abstr.) **(Ger)**

[Differential diagnosis of paragonimiasis in relation to tuberculosis of the lung by transthoracic needle biopsy] Knöll P, et al. **Z Erkr Atmungsorgane** 1986;167(1–2):152–7 (Eng. Abstr.) **(Ger)**

[Pulmonary alveolar microlithiasis] Sollich V, et al. **Z Erkr Atmungsorgane** 1987;168(1):77–82 (Eng. Abstr.) **(Ger)**

[Transthoracic needle aspiration in infectious pathology] Piacenza G, et al. **Minerva Med** 1987 Apr 30;78(8):515–6 (Eng. Abstr.) **(Ita)**

[Topographic distribution of noncaseating granulomas studied by TBLB (transbronchial lung biopsy) in sarcoidosis] Matsuoka R, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Dec; 24(12):1334–8 (Eng. Abstr.) **(Jpn)**

[Cell cycle of alveolar macrophages in various pulmonary diseases] Yoshikawa K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jul;24(7):774–8 **(Jpn)**

[Lymphomatoid granulomatosis] Schjølseth SA, et al. **Tidsskr Nor Laegeforen** 1986 Sep 10;106(25):2056–7, 2082 (Eng. Abstr.) **(Nor)**

[Transthoracic fine-needle biopsy of the lung] Dubay M, et al. **Pneumonol Pol** 1987 Jan;55(1):21–5 (Eng. Abstr.) **(Pol)**

[Current aspects of pulmonary granulomatosis] Moisescu V. **Rev Ig [Pneumoftiziol]** 1986 Jul–Sep;35(3):193–202 (50 ref.) **(Rum)**

[Transbronchial biopsy in the diagnosis of sarcoidosis and certain other interstitial lung diseases] Strukov AI, et al. **Arkh Patol** 1986;48(12):13–22 (Eng. Abstr.) **(Rus)**

[Transthoracic aspiration biopsy of the lung using a fine needle] Uspenskiĭ LV, et al. **Grudn Khir** 1987 Jan–Feb; (1):38–44 (Eng. Abstr.) **(Rus)**

[Case of combined cavernous hemangioma of the right lung with an intrapulmonary hematoma] Zyskin LIu, et al. **Grudn Khir** 1986 Nov–Dec;(6):89–90 **(Rus)**

[A case of juvenile xanthogranuloma of the lung] Ovsiankina ES, et al. **Probl Tuberk** 1986;(8):75 **(Rus)**

[Idiopathic dermatomyositis with lung involvement] Vyshnepol'skiĭ IuIa, et al. **Sov Med** 1987;(4):115–7 **(Rus)**

[Bronchoalveolar lavage in sarcoidosis and hypersensitivity pneumonitis] Debeljak A, et al. **Plucne Bolesti** 1986 Jul–Dec;38(3–4):283–7 (Eng. Abstr.) **(Scr)**

PHYSIOPATHOLOGY

Measurement of pulmonary capillary blood flow by a nitrous oxide rebreathing technique. Stokke T, et al. **Acta Anaesthesiol Scand** 1986 Oct;30(7):496–501

The physiology and biochemistry of normal and diseased lung. Welton AF, et al. **Adv Clin Chem** 1987;26:293–383 (229 ref.)

Pulmonary injury depresses cardiac systolic function through Starling mechanism. Calvin JE Jr, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):H722–33

Lipid mediators in the normal and abnormal pulmonary circulation. Reports from the Second Grover Conference. Deckers, Colorado, September 15–18, 1986. **Am Rev Respir Dis** 1987 Jul;136(1):195–224

Lipid mediators in the normal and abnormal pulmonary circulation. Reports from the Second Grover Conference. Deckers, Colorado, September 15–18, 1986. 3. **Am Rev Respir Dis** 1987 Sep;136(3):762–88

The prone position improves arterial oxygenation and reduces shunt in oleic-acid-induced acute lung injury. Albert RK, et al. **Am Rev Respir Dis** 1987 Mar; 135(3):628–33

Neural control of human airways in health and disease. Barnes PJ. **Am Rev Respir Dis** 1986 Dec;134(6):1289–314 (388 ref.)

Cigarette smoke makes airway and early parenchymal asbestos-induced lung disease worse in the guinea pig. Tron V, et al. **Am Rev Respir Dis** 1987 Aug;136(2):271–5

Gas exchange across abnormal interstitial tissue in pulmonary sarcoidosis—results of therapy. Demeter SL. **Angiology** 1987 Mar;38(3):256–67

Ventilation-perfusion inequality in lung disease. Dantzker DR. **Chest** 1987 May;91(5):749–54

Comparison of algorithms for determining the end-point of the forced vital capacity maneuver. Pistelli G, et al. **Chest** 1987 Jan;91(1):100–5

Activity of pulmonary sarcoidosis. Izumi T. **Clin Dermatol** 1986 Oct–Dec;4(4):116–20 (54 ref.)

Exacerbation of idiopathic pulmonary hemosiderosis in pregnancy. Michaeli J, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jun;25(2):153–8

Non invasive detection of pulmonary hypertension in chronic lung disease. Mammosser M, et al. **Eur J Respir Dis [Suppl]** 1986;146:479–86

Macrophages, dust, and pulmonary diseases. Bowden DH. **Exp Lung Res** 1987;12(2):89–107 (92 ref.)

Cough and spiking fever in a transfusion-dependent woman. Rizk N, et al. **Hosp Pract [Off]** 1987 Mar 15;22(3):25, 29

Cardiac output by rebreathing in patients with cardiopulmonary diseases. Kallay MC, et al. **J Appl Physiol** 1987 Jul;63(1):201–10

Effect of compression pressure on forced expiratory flow in infants. Le Souëf PN, et al. **J Appl Physiol** 1986 Nov; 61(5):1639–46

Combined evaluation of circulating immune complexes and antibodies to Pseudomonas aeruginosa as an immunologic profile in relation to pulmonary function in cystic fibrosis. Dasgupta MK, et al. **J Clin Immunol** 1987 Jan;7(1):51–8

Compartmentalized activation of the interleukin 2 gene by lung T lymphocytes in active pulmonary sarcoidosis. Müller-Quernheim J, et al. **J Immunol** 1986 Dec 1; 137(11):3475–83

Lung pathogenesis. VI. The rule of increase in complexity and diversity in the dynamics of lung pathological processes: cohesional and propelling sequences (a systemic approach). Eskenasy A. **Morphol Embryol (Bucur)** 1986 Jul–Sep;32(3):175–86 (26 ref.)

Wedge pressure in pulmonary veno-occlusive disease [letter] Wiedemann HP. **N Engl J Med** 1986 Nov 6;315(19):1233

Fiberbronchoscopy and functional lung exploration. Catena E, et al. **Panminerva Med** 1986 Jul–Sep;28(3):177–80

Clinical and functional development of sarcoidosis considering the results of bronchoalveolar lavage. Gatzemeier U, et al. **Panminerva Med** 1986 Oct–Dec; 28(4):367–71

Pathobiology of platelet-activating factors. McManus LM. **Pathol Immunopathol Res** 1986;5(2):104–17 (100 ref.)

Comparison of the occlusion and inflation techniques for measuring total respiratory compliance in sick, intubated infants. Heaf DP, et al. **Pediatr Pulmonol** 1987 Mar–Apr; 3(2):78–82

Surfactant and physiologic alterations in an animal model of adult human lung disease. A preliminary report. Sulavik SB, et al. **Respiration** 1987;51 Suppl 1:10–4

Number of patients required in lung function studies. Davison AG, et al. **Thorax** 1986 Nov;41(11):830–2

[Determination of the partial mean transit time of high lung volumes and its clinical evaluation] Luo YJ, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Jun;17(2):153–6 (Eng. Abstr.) **(Chi)**

[The anaerobic threshold in normal subjects and cardiopulmonary disease] Shen CY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Feb;86(2):112–7 (Eng. Abstr.) **(Chi)**

[Functional follow-up of pulmonary localization of scleroderma] Orvoen-Frija E, et al. **Rev Pneumol Clin** 1987; 43(3):138–44 (Eng. Abstr.) **(Fre)**

[Significance of the surfactant system for bronchopulmonary defense mechanisms] Kohl FV, et al. **Prax Klin Pneumol** 1986 Sep;40(9):365–6 **(Ger)**

[Working Group for Clinical Respiratory Physiology. Work Session 1985. Graz, 7–9 November 1985] **Wien Med Wochenschr [Suppl]** 1986;97:1–57 **(Ger)**

[Working Group on Clinical Respiratory Physiology: 1983 work session. Bad Gleichenberg, 13–15 October 1983. Abstracts] **Wien Med Wochenschr [Suppl]** 1984;80:1–36 **(Ger)**

[Hemodynamic and gas exchange effects of nifedipine in patients with chronic pulmonary disease] Okada O, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Aug; 24(8):827–34 (Eng. Abstr.) **(Jpn)**

[Influence of treadmill exercise on the distribution of mechanical time constants in patients with lung diseases] Sasaki T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan;25(1):80–5 (Eng. Abstr.) **(Jpn)**

[Pulmonary function in 122 cases of sarcoidosis] Suzuki K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Dec; 24(12):1309–14 (Eng. Abstr.) **(Jpn)**

[Mass-spectrometric gas analysis in the detection of risk factors in children with chronic bronchopulmonary diseases] Dolina OA, et al. **Anesteziol Reanimatol** 1986 Nov–Dec;(6):3–4 (Eng. Abstr.) **(Rus)**

[Work capacity evaluation in pulmonary patients] Stangl B, et al. **Plucne Bolesti** 1986 Apr–Jun;38(2):191–3 (Eng. Abstr.) **(Scr)**

PREVENTION & CONTROL

Prevention of pulmonary injury in isolated perfused rat lungs by activated human neutrophils preincubated with anti-Mo1 monoclonal antibody. Ismail G, et al. **Blood** 1987 Apr;69(4):1167–74

Prevention of oxygen toxicity with superoxide dismutase and catalase in premature lambs. Walther FJ, et al. **J Free Radic Biol Med** 1986;2(4):289–93

Interaction of N-acetylcysteine and bleomycin on hyperbaric oxygen-induced lung damage in mice. Jamieson DD, et al. **Lung** 1987;165(4):239–47

Effect of 24-hour preservation with oxygen free radical scavengers on isolated-perfused canine heart-lungs. Hajjar G, et al. **P R Health Sci J** 1986 Apr;5(1):19–25

Reducing iatrogenic lung disease in the premature newborn. Perelman R. **Semin Perinatol** 1986 Jul;10(3):217–23 (82 ref.)

[Principles of antibiotic therapy in primary prevention of postoperative pulmonary infections] Freysz M, et al. **Cah Anesthesiol** 1986 Dec;34(8):697–701 (35 ref.) **(Fre)**

[Effects of preoperative exercise training on pulmonary function in elderly patients] Takeuchi Y. **Fukuoka Igaku Zasshi** 1987 Mar;78(3):105–20 (Eng. Abstr.) **(Jpn)**

[Prevention of postoperative pulmonary complications with an epidural block] Ashizawa N. **Kokyu To Junkan** 1986 Aug;34(8):851–7 (26 ref.) **(Jpn)**

[Use of automated screening for detecting pulmonary tuberculosis patients and persons with residual tuberculous changes] Kibrik BS, et al. **Probl Tuberk** 1987;(5):16–9 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Computed tomography (CT) of lung, mediastinum and pleura—current concepts. Nagendran T, et al. **Ala Med** 1987 Jun;56(12):38–41

The apparent mid zone pneumatocoele in the intensive care patient. Cameron DC. **Australas Radiol** 1986 Aug; 30(3):226–9

Pulmonary radiographic changes in pseudoxanthoma elasticum. Puvaneswary M. **Australas Radiol** 1986 Nov; 30(4):310–2

The interpretation of shadows on the adult chest radiograph. Wilson AG. **Br J Hosp Med** 1987 Jun;37(6):526–34

Radiological irregular opacities and coalwork exposure: a case-referent study. Cockcroft A, et al. **Br J Ind Med** 1987 Jul;44(7):484–7

Bleomycin lung: computed tomographic observations. Rimmer MJ, et al. **Br J Radiol** 1985 Nov;58(695):1041–5

Computed tomography of lung parenchyma. Zerhouni EA. **Bull NY Acad Med** 1986 Nov;62(9):881–6

Angiofollicular lymph node hyperplasia of the lung simulating carcinoma: pseudolymphoma with inflammatory changes. Joynt GH, et al. **Can J Surg** 1975 Nov; 18(6):536–41

Giant bulla occupying the whole hemithorax [letter] Goto H, et al. **Chest** 1987 Aug;92(2):384–5

Fibrocystic lung disease. An unusual cause. Orshan SG, et al. **Chest** 1987 Jan;91(1):113–4

Spontaneous pulmonary torsion. Shorr RM, et al. **Chest** 1987 Jun;91(6):927–8

Pulmonary sarcoidosis: radiographic features. Sharma OP, et al. **Clin Dermatol** 1986 Oct–Dec;4(4):96–107 (18 ref.)

Case report and review: computed tomography of multiple nodular pulmonary amyloidosis. Savader SJ, et al. **Comput Radiol** 1987 May–Jun;11(3):111–5

Behçet syndrome: a rare case of pulmonary involvement. Balduin R, et al. **Eur J Respir Dis** 1986 Oct;69(4):288–90

Bilateral lung infiltrates in a dialysis patient. Schwab KS, et al. **Hosp Pract [Off]** 1987 Jun 15;22(6):318–20

Pulmonary complications of multimodality therapy for esophageal carcinoma. Duprat G Jr, et al. **J Can Assoc Radiol** 1987 Mar;38(1):27–31

CT appearance of localized pulmonary amyloidosis. Ayuso MC, et al. **J Comput Assist Tomogr** 1987 Jan–Feb; 11(1):197–9

Bolus contrast medium enhancement for distinguishing pleural from parenchymal lung disease: CT features. Bressler EL, et al. **J Comput Assist Tomogr** 1987 May–Jun; 11(3):436–40

Typical and atypical CT manifestations of pulmonary sarcoidosis. Hamper UM, et al. **J Comput Assist Tomogr** 1986 Nov–Dec;10(6):928–36

Mammographic and CT detection of extrathoracic lung herniation. Seibel DG, et al. **J Comput Assist Tomogr** 1987 May–Jun;11(3):537–8

Variable CT appearance of plasma cell granuloma of the lung. Shapiro MP, et al. **J Comput Assist Tomogr** 1987 Jan–Feb;11(1):49–51

Fluid within preexisting pulmonary air-spaces: a potential pitfall in the CT differentiation of pleural from parenchymal disease. Zinn WL, et al. **J Comput Assist Tomogr** 1987 May–Jun;11(3):441–8

Pulmonary diagnostic problems in the neonate and pediatric patient. **J Thorac Imaging** 1986 Oct;1(4):1–82

Current place of plain-film tomography in chest disease. Muhm JR. **J Thorac Imaging** 1985 Dec;1(1):32–8

Computed tomography of the pulmonary parenchyma. Part 1: Distal air-space disease. Naidich DP, et al. **J Thorac Imaging** 1985 Dec;1(1):39–53 (52 ref.)

Pulmonary toxoplasmosis: an unusual nodular radiographic pattern in a patient with AIDS. Tawney S, et al. **Mt Sinai J Med (NY)** 1986 Dec;53(8):683–5

Children with AIDS—is pathologic diagnosis possible based on chest radiographs? Zimmerman BL, et al.

Pediatr Radiol 1987;17(4):303–7
A lung opacity caused by grid artifact. Heriard JB, et al. **Radiol Technol** 1986 Nov–Dec;58(2):147–8
Lung torsion: radiographic findings in nine cases. Felson B. **Radiology** 1987 Mar;162(3):631–8
Solitary pulmonary opacities: plain tomography. Huston J 3d, et al. **Radiology** 1987 May;163(2):481–5
High-resolution CT of the lungs: an optimal approach. Mayo JR, et al. **Radiology** 1987 May;163(2):507–10
Lung torsion: case report and literature review. Moser ES Jr, et al. **Radiology** 1987 Mar;162(3):639–43 (21 ref.)
Centrilobular lesions of the lung: demonstration by high-resolution CT and pathologic correlation. Murata K, et al. **Radiology** 1986 Dec;161(3):641–5
Pulmonary asbestosis: CT study of subpleural curvilinear shadow [letter] Pilate I, et al. **Radiology** 1987 Aug; 164(2):584
Pulmonary manifestations of AIDS: review of 106 episodes. Suster B, et al. **Radiology** 1986 Oct;161(1):87–93
ICON: a computer-based approach to differential diagnosis in radiology. Swett HA, et al. **Radiology** 1987 May; 163(2):555–8
Follow-up chest radiographs in Vietnam veterans: are they useful? [letter] Winkler SS. **Radiology** 1987 May;163(2):583
The chest radiograph and sarcoidosis [letter] **Sarcoidosis** 1987 Mar;4(1):84–5
The visualisation of pathological changes on chest X ray [letter] Crane MD. **Sarcoidosis** 1986 Mar;3(1):79
Radiographic manifestations of pulmonary disease in the acquired immunodeficiency syndrome (AIDS). Naidich DP, et al. **Semin Roentgenol** 1987 Jan;22(1):14–30
Large lung bullae in sarcoidosis. Packe GE, et al. **Thorax** 1986 Oct;41(10):792–7
[X-ray-pathology observation on pulmonary hemorrhage in the newborn infant] Yao QH.
Chung Hua Fang She Hsueh Tsa Chih 1986 Oct; 20(5):257–61 (Eng. Abstr.) **(Chi)**
[A case of Marie-Bamberger disease in a child] Draouat S, et al. **Ann Radiol (Paris)** 1986;29(6):539–43 (Eng. Abstr.) **(Fre)**
[Thoracic sarcoidosis with pulmonary cavitation. Apropos of a case] Dorcier F, et al. **J Radiol** 1987 Jun–Jul; 68(6–7):451–4 (Eng. Abstr.) **(Fre)**
[Alveolar microlithiasis. A study of minerals in the lung] Leduc D, et al. **Rev Mal Respir** 1987;4(1):39–42 (Eng. Abstr.) **(Fre)**
[Esophagopulmonary fistulas. Description of a case and review of the literature] Tidjani O, et al.
Rev Pneumol Clin 1986;42(5):254–7 (Eng. Abstr.) **(Fre)**
[Computer tomography of the mediastinum, lung and thoracic wall] Gürtler KF. **Med Klin** 1986 May 16; 81(11):400–4 **(Ger)**
[Roentgen findings in patients with long-term artificial respiration] Hoffmann W, et al. **Prax Klin Pneumol** 1986 Sep;40(9):378–84 (Eng. Abstr.) **(Ger)**
[Idiopathic Ceelen-Gellerstedt pulmonary hemosiderosis] Dewes W, et al. **ROFO** 1987 Mar;146(3):360–2 **(Ger)**
[Computerized tomography of the thorax in intensive care patients] Wolff P, et al. **ROFO** 1987 Jun;146(6):646–53 (Eng. Abstr.) **(Ger)**
[Quantification of pulmonary alveolar microlithiasis in the CT] Wurche KD, et al. **ROFO** 1987 Jul;147(1):36–8 (Eng. Abstr.) **(Ger)**
[Radiological aspects of plasma-cell granuloma of the lung. Description of a case] Grassi L, et al.
Radiol Med (Torino) 1986 Sep;72(9):684–6 **(Ita)**
[Computed tomography in diffuse pulmonary diseases] Todo G, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Nov 25;46(11):1281–95 (Eng. Abstr.) **(Jpn)**
[A case of lung cancer presenting as multiple cystic shadows] Akagawa S, et al. **Rinsho Hoshasen** 1986 Jul;31(7):845–7 (Eng. Abstr.) **(Jpn)**
[Thoracic CT: diagnosis of diffuse lung lesions] Doi O. **Rinsho Hoshasen** 1986 Oct;31(11):1333–43 (10 ref.) **(Jpn)**
[Radiological interpretation of neonatal lungs for general diagnostic radiologists] Fujioka M. **Rinsho Hoshasen** 1987 Mar;32(3):361–72 (5 ref.) (Eng. Abstr.) **(Jpn)**
[Case of the month: Cavitary pulmonary sarcoidosis] Oba K. **Rinsho Hoshasen** 1986 Nov;31(12):1441–2 **(Jpn)**
[Swyer-James-MacLeod syndrome—clinico-radiologic aspects apropos of a clinical case] de Castro A, et al. **Acta Med Port** 1986 May–Jun;7(3):127–30 (Eng. Abstr.) **(Por)**
[Computerized tomography in the differential diagnosis of spherical formations in the lungs] Todua FI, et al.
Khirurgiia (Mosk) 1987 Apr;(4):58–62 (Eng. Abstr.) **(Rus)**
[Role of the Pneumology Commission in detecting central cancer and other lung diseases] Portnoi LM, et al.
Sov Zdravookhr 1986;(12):12–6 (Eng. Abstr.) **(Rus)**
[Clinical x-ray differential diagnosis of lung lesions in sarcoidosis and histiocytosis X] Gurevich LA, et al.
Vestn Rentgenol Radiol 1986 Jul–Aug;(4):64–70 (Eng. Abstr.) **(Rus)**
[Combined x-ray study in assessing chronic nonspecific lung diseases in children under dispensary observation] Novikov VP, et al. **Vestn Rentgenol Radiol** 1987 May–Jun;(3):23–7 (Eng. Abstr.) **(Rus)**
[Roentgenologic diagnosis of lung lesions in Wegener's granulomatosis] Parizhskii ZM, et al.
Vestn Rentgenol Radiol 1986 Nov–Dec;(6):25–32 (Eng. Abstr.) **(Rus)**
[Differential diagnosis of spherical formations in the lungs] Vinner MG. **Vestn Rentgenol Radiol** 1987 Mar–Apr; (2):79–88 **(Rus)**
[Sign of air meniscus in a case of pulmonary intracavitary hemorrhage] Fernández-Solá J, et al. **Rev Clin Esp** 1987 Jun;181(2):87–9 (Eng. Abstr.) **(Spa)**
[Mediastinal adenopathies and cerebral lesion] Martín Peinador A, et al. **Rev Clin Esp** 1987 Feb;180(2):112–4 **(Spa)**
[Superimposed mass on the right pulmonary hilus] Martín Peinador A, et al. **Rev Clin Esp** 1987 Jan;180(1):55–6 **(Spa)**
[A pulmonary alveolar lesion with multiple cavitation] Muñoz González A, et al. **Rev Clin Esp** 1987 May; 180(9):513–4 **(Spa)**
[Ankylosing spondylitis as a cause of pulmonary lesions (letter)] Rodríguez E, et al. **Rev Clin Esp** 1987 Mar; 180(5):283 **(Spa)**

RADIONUCLIDE IMAGING

Bone scintigraphy in two siblings with pulmonary alveolar microlithiasis. Garty I, et al. **Br J Radiol** 1985 Aug; 58(692):763–6
Intrathoracic abnormalities demonstrated by technetium-99m sulfur colloid imaging. Shih WJ, et al. **Clin Nucl Med** 1986 Nov;11(11):792–6
Quantitation of right-to-left shunt ratio in patients with pulmonary telangiectasia by technetium-99m MAA lung perfusion imaging. Suzuki Y. **Clin Nucl Med** 1986 Feb; 11(2):84–7
Nuclear medicine in diseases of the lung—present status and future. An international symposium. Vienna, Austria, August 27th, 1986. Proceedings. **Eur J Nucl Med** 1987;13 Suppl:S1–71
Semi-quantitative gallium-67 lung scanning as a measure of the intensity of alveolitis in pulmonary sarcoidosis. Duffy GJ, et al. **Eur J Nucl Med** 1986;12(4):187–91
Contribution of the positron camera to studies of regional lung structure and function. Hughes JM, et al.
Eur J Nucl Med 1987;13 Suppl:S37–41
Thoracic imaging with gallium-67. Klech H, et al.
Eur J Nucl Med 1987;13 Suppl:S24–36
Nuclear medicine in diseases of the lung—present status and future. Introduction—clinical aspects. Kummer F.
Eur J Nucl Med 1987;13 Suppl:S2–5
Direct quantitation of thoracic gallium-67 uptake in sarcoidosis. Bourguet P, et al. **J Nucl Med** 1986 Oct; 27(10):1550–6
Pulmonary ventilation and perfusion studies in infants and children. Gainey MA. **J Thorac Imaging** 1986 Oct; 1(4):49–56
Positron emission tomography in the lung. Hughes JM, et al. **J Thorac Imaging** 1985 Dec;1(1):79–88 (38 ref.)
Ventilation-perfusion scintigraphy. Waters W.
Nuklearmedizin 1987 Jun;26(3):111–9 (108 ref.)
Increased permeability in idiopathic pulmonary fibrosis and sarcoidosis--an index for activity of disease? Konietzko N, et al. **Prax Klin Pneumol** 1987 Jan;41(1):15–8
Ga lung scan has come to stay. Gianfranco R, et al.
Sarcoidosis 1984 Sep;1(1):39–44
Measurement of pulmonary epithelial permeability with 99mTc-DTPA aerosol. Coates G, et al.
Semin Nucl Med 1986 Oct;16(4):275–84 (58 ref.)
[Noninvasive diagnosis of alveolar microlithiasis by Tc99m-MDP scintigraphy and alveolar lavage] Desché P, et al. **Rev Mal Respir** 1987;4(3):137–9 (Eng. Abstr.) **(Fre)**
[Ventilation/perfusion scintigraphy in pneumology] Hüttemann U. **Nuklearmedizin** 1987 Jun;26(3):108–10 (17 ref.) **(Ger)**
[Radionuclide evaluation of the mucociliary function of the mucosa of the nasal cavity in chronic lung diseases] Kasatkin IuN, et al. **Med Radiol (Mosk)** 1987 Feb; 32(2):13–7 (Eng. Abstr.) **(Rus)**
[67Ga-citrate in the diagnosis of lung diseases] Vikman IaE, et al. **Med Radiol (Mosk)** 1987 Mar;32(3):27–30 (Eng. Abstr.) **(Rus)**
[67Ga scintigraphy in sarcoidosis] Lopez-Mayano V, et al. **Probl Tuberk** 1987;(5):40–3 (31 ref.) (Eng. Abstr.) **(Rus)**

RADIOTHERAPY

[Ultraviolet irradiation of the blood in the treatment of patients with suppurative and destructive diseases of the lungs] Gukasian EA, et al. **Khirurgiia (Mosk)** 1987 May; (5):81–5 (Eng. Abstr.) **(Rus)**

SURGERY

Stump of bronchus associated with free derma autograft in lung resection. Polous YM, et al. **Acta Chir Plast** 1986; 28(4):215–9
High frequency jet ventilation for bilateral bullectomy. McCarthy G, et al. **Anaesthesia** 1987 Apr;42(4):411–4
Recurrent and metastatic pulmonary fibrous histiocytoma/plasma cell granuloma in a child. Maier HC, et al. **Cancer** 1987 Sep 1;60(5):1073–6
Pulmonary resection in the prone position for suppurative lung disease in children. Conlan AA, et al.
J Thorac Cardiovasc Surg 1986 Nov;92(5):890–3
16th annual meeting of the German Society for Thoracic and Cardiovascular Surgery. February 19th, 1987 to February 21st, 1987, Bad Nauheim. Abstracts.
Thorac Cardiovasc Surg 1987 Feb;35 Spec No 1:1–110 **(Eng, Ger)**
[Blood gas monitoring in the surgical treatment of bilateral giant bullae of the lung: a case report] Zhao LY.
Chung Hua Wai Ko Tsa Chih 1986 May;24(5):296–8, 318 (Eng. Abstr.) **(Chi)**
[Lung "cysts"] Fanta J, et al. **Rozhl Chir** 1987 Jan;66(1):12–6 (Eng. Abstr.) **(Cze)**
[High frequency jet ventilation as a form of artificial respiration in thoracic and abdominal surgery. Clinical experiences] Kluge E, et al.
Anasth Intensivther Notfallmed 1986 Oct;21(5):251–5 (Eng. Abstr.) **(Ger)**
[Joint annual meeting of the Swiss Society for Cardiology and the Swiss Society for Thoracic and Cardiovascular Surgery. Lausanne, 19–21 March 1987. Abstracts]
Schweiz Med Wochenschr [Suppl] 1987;21:1–33 **(Ger)**
[Endoscopic management of bronchial stump fistulas with fibrin glue] Straub H, et al. **Z Erkr Atmungsorgane** 1986; 167(1–2):185–9 (Eng. Abstr.) **(Ger)**
[Considerations and results on 37 cardiopathic patients subjected to thoraco-pulmonary surgery] Chiesa G, et al. **Minerva Chir** 1987 May 31;42(10):873–7 (Eng. Abstr.) **(Ita)**
[A case of isolated nodular pulmonary amyloidosis] Fujiwara S, et al. **Kyobu Geka** 1986 Dec;39(12):986–9 (Eng. Abstr.) **(Jpn)**
[A turnover operation for funnel chest at the time of mitral valve replacement and simple ligature and excision of pulmonary cysts] Yagi Y, et al. **Kyobu Geka** 1986 Jul; 39(7):565–8 (Eng. Abstr.) **(Jpn)**
[Electro- and drug anesthesia in lung surgery] Avrutskiĭ MIa, et al. **Anesteziol Reanimatol** 1987 May–Jun;(3):3–7 (Eng. Abstr.) **(Rus)**
[Temporary endobronchial occlusion] Borisov VV, et al.
Grudn Khir 1986 Jul–Aug;(4):49–52 (Eng. Abstr.) **(Rus)**
[Carbon dioxide laser in surgery of the lungs] Kabanov AN, et al. **Grudn Khir** 1987 Jul–Aug;(4):54–9 (Eng. Abstr.) **(Rus)**
[Clinico-morphologic analysis of complications of surgical treatment of diseases of the lungs taking into account the provisions of the 9th revision of the International Classification of Diseases] Kovalenko VL, et al.
Grudn Khir 1986 Jul–Aug;(4):52–6 (Eng. Abstr.) **(Rus)**
[High-frequency injection ventilation in pulmonary surgery] Kurdiumov VA, et al. **Grudn Khir** 1987 May–Jun;(3):53–5 (Eng. Abstr.) **(Rus)**
[Use of glue compositions in pulmonary surgery (review of the literature and personal data)] Levashev IuN, et al.
Grudn Khir 1987 May–Jun;(3):78–83 (75 ref.) **(Rus)**
[Comparative analysis of methods of removing pathologic structures from the lungs] Nedvetskiĭ AV, et al.
Grudn Khir 1986 Jul–Aug;(4):56–9 (Eng. Abstr.) **(Rus)**
[Use of antimicrobial polymer films in pulmonary surgery] Polous IuM, et al. **Grudn Khir** 1986 Sep–Oct;(5):48–50 (Eng. Abstr.) **(Rus)**
[Blood reinfusion in the surgical treatment of suppurative diseases of the lungs and pleura] Vagner EA, et al.
Khirurgiia (Mosk) 1987 Jan;(1):32–5 (Eng. Abstr.) **(Rus)**
[Organizational problems of improving pulmonary surgery] Slepukha IM. **Klin Khir** 1986;(10):44–5 **(Rus)**
[Thoracoscopic diagnosis and treatment of postoperative residual cavities] Ioffe DTs, et al. **Vestn Khir** 1987 Mar; 138(3):16–8 (Eng. Abstr.) **(Rus)**

THERAPY

High-voltage irradiation and hydroxyurea for pulmonary leukostasis in acute myelomonocytic leukemia. von Eyben FE, et al. **Acta Haematol (Basel)** 1987;77(3):180–2
Pulmonary barotrauma in submarine escape trainees and the treatment of cerebral arterial air embolism. Brooks GJ, et al. **Aviat Space Environ Med** 1986 Dec;57(12 Pt 1):1201–7
Hydrogels in endovascular embolization. II. Clinical use of spherical particles. Horák D, et al. **Biomaterials** 1986 Nov; 7(6):467–70
The unacceptable face of tipping [editorial] Woodhead M, et al. **Br Med J [Clin Res]** 1987 Apr 11;294(6577):921–2
The be-happy attitudes [letter] Vevaina J. **Chest** 1987 Jan; 91(1):150
Home oxygen therapy for infants and children. Givan DC, et al. **Indiana Med** 1986 Oct;79(10):849–53
Controversies in the fluid management of post-traumatic lung disease. Wisner DH, et al. **Injury** 1986 Sep;17(5):295–300
The clinical application of synchronized independent lung ventilation (S.I.L.V.) in pulmonary disease with unilateral prevalence in pediatrics. Marraro G, et al.
Int J Clin Monit Comput 1987;4(2):123–9
Embolization of the systemic arteries of the lung. Pinet F, et al. **J Thorac Imaging** 1987 Apr;2(2):11–7
Successful therapy of sarcoidosis-associated thrombocytopenia refractory to corticosteroids by a single course of human gammaglobulins. Henke M, et al.
Klin Wochenschr 1986 Nov 17;64(22):1209–11
Selective bronchial intubation for one-lung ventilation in children. Baraka A. **Middle East J Anesthesiol** 1987 Feb; 9(1):9–11
Transcatheter embolization in the management of pulmonary hemorrhage. Rabkin JE, et al. **Radiology** 1987 May; 163(2):361–5
Transcatheter embolization in the management of pulmonary hemorrhage [letter] Vujic I. **Radiology** 1987 Sep;164(3):879
Plasma cell granuloma of the lung—resection and steroid

therapy. Shirakusa T, et al. **Thorac Cardiovasc Surg** 1987 Jun;35(3):185–8

The small clinical trial: is there a better way? [editorial] Prescott RJ. **Thorax** 1986 Nov;41(11):822–3

Improving the chances of successful research funding [editorial] Turner-Warwick M. **Thorax** 1986 Nov; 41(11):817–21

[Improvement of diffuse pneumopathies by ventilation in prone position (letter)] Gaussorgues P, et al. **Presse Med** 1987 Jun 20;16(24):1200 **(Fre)**

[Control of pulmonary hemorrhage using an embolectomy catheter] Rauchfuss A, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Dec;65(12):703–4 **(Ger)**

[The Hannover Intensive Score (HIS) as a new classification system in the follow-up and prognostic evaluation of intensive care patients] Lehmkuhl P, et al. **Med Klin** 1986 Apr 1;81(7):235–40 (Eng. Abstr.) **(Ger)**

[Home oxygen therapy—a connection with life?] Nolte D. **Med Klin** 1986 Apr 25;81(9):330–1 **(Ger)**

[Pulmonary hemorrhage in the neonate. Description of a clinical case] Silvestro L, et al. **Minerva Pediatr** 1987 Apr 15;39(7):271–3 (Eng. Abstr.) **(Ita)**

[Effect of hemosorption on the central hemodynamics, oxygen transport, tissue respiration and the metabolic indices of patients with suppurative destructive processes in the lungs and pleura] Lopatin AF, et al. **Grudn Khir** 1986 Nov-Dec;(6):63–5 (Eng. Abstr.) **(Rus)**

[Electric stimulation of the diaphragm in the treatment of chronic nonspecific lung diseases] Manakova EIu, et al. **Klin Med (Mosk)** 1986 Dec;64(12):19–25 (44 ref.) **(Rus)**

[Hemosorption and extracorporeal membrane oxygenation of the blood in the therapy of patients with chronic lung diseases] Khomenko AG, et al. **Probl Tuberk** 1986;(8):39–43 (Eng. Abstr.) **(Rus)**

[Clinico-roentgenologic changes in intrathoracic sarcoidosis treated by hemosorption] Solodkovskiĭ ML. **Sov Med** 1987; (6):65–6 **(Rus)**

[Cryoplasmic-antienzyme therapy in infectious destructive diseases of the lungs] Shoĭkhet IaN, et al. **Ter Arkh** 1987; 59(3):119–22 **(Rus)**

[Immunocorrective therapy in chronic nonspecific lung diseases] Sil'vestrov VP, et al. **Ter Arkh** 1987;59(5):73–7 (Eng. Abstr.) **(Rus)**

[Use of hemosorption in forms of sarcoidosis highly resistant to drug treatment] Solodkovskiĭ ML. **Vrach Delo** 1986 Oct; (10):40–2 (Eng. Abstr.) **(Rus)**

[Should patients with idiopathic pulmonary hemosiderosis receive treatment or not? (letter)] Sotelo-Cruz N. **Bol Med Hosp Infant Mex** 1986 Nov;43(11):708–9 **(Spa)**

URINE

Slow urinary elimination of formic acid in occupationally exposed farmers. Liesivuori J. **Ann Occup Hyg** 1986; 30(3):329–33

The urinary content of desmosine in experimental and clinical studies as a test for some lung injuries. Rozniecki J, et al. **Eur J Respir Dis [Suppl]** 1986;146:225–32

VETERINARY

Escherichia coli-induced lung and liver dysfunction in dogs: effects of flunixin meglumine treatment. Hardie EM, et al. **Am J Vet Res** 1987 Jan;48(1):56–62

Predisposition for right lung involvement in equine exercise-induced pulmonary haemorrhage. Hillidge CJ. **Br Vet J** 1986 May-Jun;142(3):287–8

Chylothorax with concurrent right cardiac lung lobe torsion in an Afghan hound. Williams JH, et al. **J S Afr Vet Assoc** 1986 Mar;57(1):35–7

Surgical approaches and techniques for managing pulmonary disease. Caywood DD, et al. **Vet Clin North Am [Small Anim Pract]** 1987 Mar; 17(2):449–67 (7 ref.)

Non-neoplastic surgical diseases of the lung and pleura. Walter PA. **Vet Clin North Am [Small Anim Pract]** 1987 Mar;17(2):359–85 (19 ref.)

[Pulmonary lesions in pigs sent to the abattoirs of Lubumbashi] Ngulu N, et al. **Rev Elev Med Vet Pays Trop** 1985;38(4):411–5 (Eng. Abstr.) **(Fre)**

[Effect of bodily stress on lung function in the horse] Lorenz V, et al. **DTW** 1987 Mar 9;94(3):165–8 (Eng. Abstr.) **(Ger)**

[The increase of physiological dead space volume as a parameter for a pulmonary gas exchange disorder in the anesthetized horse] Otto K. **DTW** 1987 Mar 9;94(3):176–8 (Eng. Abstr.) **(Ger)**

[Interval treatment of cattle against gastrointestinal and lung worms] Wetzel H, et al. **DTW** 1986 Oct 8;93(9):437–41 (Eng. Abstr.) **(Ger)**

LUNG DISEASES, FUNGAL

Subacute pulmonary mucormycosis. Rothstein RD, et al. **J Med Vet Mycol** 1986 Oct;24(5):391–4

Pulmonary aspergillosis. Shama DM. **S Afr J Surg** 1986 Dec; 24(4):152–6

[Respiratory manifestations in aspergillosis] Regimbaud M. **Med Trop (Mars)** 1986 Jul-Sep;46(3):239–46 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Apical fibrocavitary lesions of the lung in rheumatoid arthritis [letter] Petrie JP. **Am J Med** 1987 Jun;82(6):1273

Aspergilloma in sarcoid and tuberculosis [editorial] Butz RO. **Chest** 1987 Sep;92(3):392

Pulmonary eosinophilia in coccidioidal infections. Lombard CM, et al. **Chest** 1987 May;91(5):734–6

A purple spot with a bleak chest film. Schneiderman H. **Chest** 1986 Oct;90(4):607–8

Aspergilloma in sarcoid and tuberculosis. Tomlinson JR, et al. **Chest** 1987 Sep;92(3):505–8

Pulmonary aspergillosis complicating aplastic phase in hematologic patients. Capnist G, et al. **Haematologica (Pavia)** 1986 May-Jun;71(3):201–4

Pleural effusion. An unusual feature of histoplasmosis. Roy TM, et al. **J Ky Med Assoc** 1987 May;85(5):241–3

Fatal hemoptysis in a patient with AIDS-related complex and pulmonary aspergilloma. Lombardo GT, et al. **NY State J Med** 1987 May;87(5):306–8

Pulmonary histoplasmoma presenting as massive hemoptysis. Zeiss J, et al. **Pediatr Infect Dis J** 1987 Jul;6(7):689–91

[A case of multiple pulmonary bronchogenic cysts accompanied with aspergillosis and secondary pyo-pneumothorax] Hayashi Y, et al. **Kyobu Geka** 1987 Jun;40(7):580–3 (Eng. Abstr.) **(Jpn)**

[Extrarenal kidney failure and cerebrospinal meningitis caused by Candida albicans infection] Gura C, et al. **Pediatr Pol** 1986 Dec;61(12):818–20 **(Pol)**

[Pulmonary histoplasmosis associated with osteoarticular manifestations. Apropos of a case and bibliographical review] Medina Varo F, et al. **Med Clin (Barc)** 1986 Dec 13;87(20):855–7 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Advantage of Fontana-Masson stain in capsule-deficient cryptococcal infection. Ro JY, et al. **Arch Pathol Lab Med** 1987 Jan;111(1):53–7

Primary pulmonary sporotrichosis. Watts JC, et al. **Arch Pathol Lab Med** 1987 Mar;111(3):215–7

Role of serodiagnostic tests and skin tests in the diagnosis of fungal disease. Davies SF, et al. **Clin Chest Med** 1987 Mar;8(1):135–46

Increased awareness of aspergillosis in acute leukemia patients. Höffken G, et al. **Hamatol Bluttransfus** 1987; 30:535–7

Counterimmunoelectrophoresis in respiratory candidiasis. Shivananda PG, et al. **Indian J Pathol Microbiol** 1986 Jul; 29(3):237–9

Serological tests for blastomycosis: assessments during a large point-source outbreak in Wisconsin. Klein BS, et al. **J Infect Dis** 1987 Feb;155(2):262–8

Diagnosis of pulmonary nodules in the cancer patient: the role for routine culture and an unusual application of the human tumor colony-forming assay. Friedman HM, et al. **J Surg Oncol** 1987 Mar;34(3):150–4

Fusarium moniliforme pneumonia. Zach TL, et al. **Nebr Med J** 1987 Jan;72(1):6–9

Disseminated Blastomyces dermatitidis infection in a non-endemic area. A case report. Berkowitz I, et al. **S Afr Med J** 1987 Jun 6;71(11):717–9

[Obstructive pseudotumoral bronchial aspergillosis (letter)] Caillaud D, et al. **Presse Med** 1987 Feb 7;16(4):174 **(Fre)**

[Spontaneously resolving histoplasmic miliary lung in a Frenchman returning from Central Africa (letter)] Marty P, et al. **Presse Med** 1986 Oct 25;15(37):1880–1 **(Fre)**

[Place of immunologic methods in the radioclinical diagnosis of bronchopulmonary aspergillomas observed over a 6 year period] Jéguerim M, et al. **Tunis Med** 1986 Mar; 64(3):225–31 (Eng. Abstr.) **(Fre)**

[Diagnosis of invasive pulmonary aspergillosis (letter)] Sala-Mateus C, et al. **Med Clin (Barc)** 1987 Jun 27;89(5):216 **(Spa)**

[Diagnosis of pulmonary infiltrates in patients with acquired immunodeficiency syndrome] Xaubet A, et al. **Med Clin (Barc)** 1987 Feb 28;88(8):311–4 (Eng. Abstr.) **(Spa)**

[Diagnostic confirmation by the culture of the causative agent in 2 cases of occupational histoplasmosis] Fernández Andreu C, et al. **Rev Cubana Med Trop** 1986 Jan-Apr; 38(1):32–7 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Treatment of murine histoplasmosis with UK 49,858 (fluconazole). Graybill JR, et al. **Am Rev Respir Dis** 1986 Oct;134(4):768–70

Disseminated Curvularia infection [letter] Pierce NF, et al. **Arch Pathol Lab Med** 1986 Oct;110(10):871

Disseminated Curvularia infection. Additional therapeutic and clinical considerations with evidence of medical cure. Pierce NF, et al. **Arch Pathol Lab Med** 1986 Oct; 110(10):959–61

Successful management of primary invasive pulmonary aspergillosis. Spiteri MA, et al. **Br J Dis Chest** 1986 Jul; 80(3):297–301

The pharmacology of agents used in the treatment of pulmonary mycoses. Borgers M, et al. **Clin Chest Med** 1986 Sep;7(3):439–52 (89 ref.)

Treatment with econazole of a case of pulmonary aspergillosis. Hantschke D, et al. **Mykosen [Suppl]** 1978; 1:230–5

Pulmonary mucormycosis [letter] Levy H, et al. **S Afr Med J** 1987 Feb 21;71(4):265–6

Trial of ketoconazole in non-invasive pulmonary aspergillosis. Shale DJ, et al. **Thorax** 1987 Jan;42(1):26–31

[Amphotericin B and flucytosine therapy of Aspergillus pneumonia and acute renal failure] Staib F, et al. **Klin Wochenschr** 1987 Jan 5;65(1):40–7 (Eng. Abstr.) **(Ger)**

[Pulmonary aspergilloma: intracavitary therapy with intrabronchial instillation of drugs. Presentation of 2 cases] Spiga L, et al. **Recenti Prog Med** 1986 Nov;77(11):537–40 (Eng. Abstr.) **(Ita)**

[Refractory respiratory tract infections. 9. Chemotherapy of recent respiratory tract infections. d. Mycoses] Mori T, et al. **Nippon Rinsho** 1987 Mar;45(3):627–31 (9 ref.) **(Jpn)**

[A case of successful treatment of bronchopulmonary aspergillosis] Daniliak IG, et al. **Ter Arkh** 1987;59(1):108–9 **(Rus)**

ETIOLOGY

The pathogenesis of experimental pulmonary histoplasmosis. Correlative studies of histopathology, bronchoalveolar lavage, and respiratory function. Baughman RP, et al. **Am Rev Respir Dis** 1986 Oct;134(4):771–6

Airborne spores from mouldy citrus fruit—a potential occupational health hazard. Ström G, et al. **Ann Occup Hyg** 1986;30(4):455–60

Disseminated aspergillosis and Cushing's syndrome in a community hospital. Murry PM, et al. **Conn Med** 1987 Feb; 51(2):84–5

Aspergillosis in acute hepatic failure. Watanabe A, et al. **J Med Clin Exp Theor** 1987;18(1):17–22

Histoplasmosis in AIDS. Wheeler AP, et al. **J Tenn Med Assoc** 1987 Apr;80(4):220

Case for diagnosis. AIDS. Macher AM, et al. **Milit Med** 1986 Sep;151(9):M57–64

Multiple mycetomas due to Pseudallescheria boydii. Chaudhary BA, et al. **South Med J** 1987 May;80(5):653–4

[Opportunistic pneumopathy caused by Torulopsis glabrata] Herbecq P, et al. **Rev Mal Respir** 1986;3(5):273–5 (Eng. Abstr.) **(Fre)**

[Pulmonary aspergillosis in patients having undergone a kidney transplant] Nazzari C, et al. **Clin Ter** 1987 May 15;121(3):197–200 (Eng. Abstr.) **(Ita)**

[Secondary respiratory tract infections occurring in residual lesion of pulmonary tuberculosis. 3. Lung diseases caused by fungi] Kawane H. **Kekkaku** 1986 Dec;61(12):651–4 **(Jpn)**

[A case of tuberculosis associated with polymycoinfection] Minsker OB, et al. **Vestn Dermatol Venerol** 1987;(3):65–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Aspergillus fumigatus-specific antibodies in allergic bronchopulmonary aspergillosis and aspergilloma: evidence for a polyclonal antibody response. Brummund W, et al. **J Clin Microbiol** 1987 Jan;25(1):5–9

MICROBIOLOGY

Chronic murine pulmonary blastomycosis induced by intratracheally inoculated Blastomyces dermatitidis conidia. Williams JE, et al. **Am Rev Respir Dis** 1987 Jan; 135(1):17–25

Transient fungemia in acute pulmonary histoplasmosis: detection by new blood-culturing techniques. Paya CV, et al. **J Infect Dis** 1987 Aug;156(2):313–5

Experimental murine paracoccidiodomycosis induced by the inhalation of conidia. McEwen JG, et al. **J Med Vet Mycol** 1987 Jun;25(3):165–75

Pseudallescheriasis in northern Britain. Milne LJ, et al. **J Med Vet Mycol** 1986 Oct;24(5):377–82

OCCURRENCE

Pseudoepidemic of aspergillosis after development of pulmonary infiltrates in a group of bone marrow transplant patients. Weems JJ Jr, et al. **J Clin Microbiol** 1987 Aug; 25(8):1459–62

Epidemiologic study of bronchopulmonary mycosis in the province of Cordoba, Argentina. Masih DT, et al. **Rev Inst Med Trop Sao Paulo** 1987 Jan-Feb;29(1):59–62

Acute pulmonary histoplasmosis and first isolation of Histoplasma capsulatum from soil of Rio Grande do Sul, Brazil. Severo LC, et al. **Rev Inst Med Trop Sao Paulo** 1986 Jan-Feb;28(1):51–5

PATHOLOGY

Unusual histopathology of mucormycosis in acute myelogenous leukemia. Mamlok V, et al. **Am J Clin Pathol** 1987 Jul;88(1):117–20

Respiratory failure and death in an elderly man with laryngeal cancer [clinical conference] **Am J Med** 1987 May; 82(5):979–88

Sporothrix infection of the lung without cutaneous disease. Primary pulmonary sporotrichosis. England DM, et al. **Arch Pathol Lab Med** 1987 Mar;111(3):298–300

Pulmonary aspergillosis and the importance of oxalate crystal recognition in cytology specimens. Lee SH, et al. **Arch Pathol Lab Med** 1986 Dec;110(12):1176–9

79-year-old man with shortness of breath and apical lung

mass [clinical conference] **Indiana Med** 1986 Dec; 79(12):1060–5

Pathogenesis of paracoccidioidomycosis: a histopathological study of the experimental murine infection. Bedoya V, et al. **Mycopathologia** 1986 Jun;94(3):133–44

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 20–1987. A 45–year–old dairy farmer with plasma–cell leukemia and a recent pulmonary infiltrate. **N Engl J Med** 1987 May 14; 316(20):1259–67

Chronic necrotizing pulmonary aspergillosis mimicking bronchocentric granulomatosis. Tron V, et al. **Pathol Res Pract** 1986 Oct;181(5):621–6

[Pulmonary aspergilloma: a study of 11 cases with analysis of clinical, roentgenological and pathological findings] Zhang DH, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Oct; 25(10):601–3, 637 (Eng. Abstr.) **(Chi)**

[Aspergillosis with obstruction of the central airways] Baud M, et al. **Schweiz Med Wochenschr** 1986 Sep 20; 116(38):1316–8 (Eng. Abstr.) **(Fre)**

[A case of pulmonary cryptococcosis diagnosed by stamp cytology] Ishihara S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Dec; 24(12):1362–5 (Eng. Abstr.) **(Jpn)**

[Species characteristics of experimental Candida lung lesions] Belianin VL, et al. **Biull Eksp Biol Med** 1987 Feb; 103(2):224–6 (Eng. Abstr.) **(Rus)**

[Pathomorphologic characteristics of aspergillomas of the lung] Surkova LK, et al. **Probl Tuberk** 1986;(11):59–61 (Eng. Abstr.) **(Rus)**

[A case of sporotrichosis of the lungs] Volosianko BM, et al. **Vrach Delo** 1987 Jul;(7):44–5 **(Rus)**

[Aspergillus pulmonary infection. Diagnosis using transthoracic aspiration puncture] León Jiménez A, et al. **Med Clin (Barc)** 1986 Nov 15;87(16):681–3 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Tension pneumopericardium: an unusual manifestation of invasive pulmonary aspergillosis. Müller NL, et al. **AJR** 1987 Apr;148(4):678–80

Invasive pulmonary aspergillosis in acute leukemia. The contribution of CT to early diagnosis and aggressive management. Kuhlman JE, et al. **Chest** 1987 Jul;92(1):95–9

Radiologic–pathologic correlation of the CT halo sign in invasive pulmonary aspergillosis. Hruban RH, et al. **J Comput Assist Tomogr** 1987 May–Jun;11(3):534–6

Intrathoracic aspergilloma: role of CT in diagnosis and treatment. Roberts CM, et al. **Radiology** 1987 Oct; 165(1):123–8

Pulmonary aspergillosis: unusual radiographic appearance. Sider L, et al. **Radiology** 1987 Mar;162(3):657–9

[Iconographic rubric. Pulmonary aspergilloma] David A, et al. **Arch Fr Pediatr** 1986 Oct;43(8):641–2 **(Fre)**

[Radiologic aspects of acute invasive pulmonary aspergillosis in 18 immunodepressed patients] Carette MF, et al. **J Radiol** 1986 May;67(5):381–9 (Eng. Abstr.) **(Fre)**

[A case of primary pulmonary cryptococcosis] Katagiri M, et al. **Kyobu Geka** 1986 Aug;39(8):641–4 (Eng. Abstr.) **(Jpn)**

[A case of pulmonary aspergillosis with massive hemoptysis and tumor–like shadow, in healed tuberculosis complicated by diabetes mellitus] Watanabe H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan;25(1):130–4 (Eng. Abstr.) **(Jpn)**

[A case of primary actinomycosis of the lungs] Bednarski Z. **Pneumonol Pol** 1987 Feb;55(2):76–9 (Eng. Abstr.) **(Pol)**

[Case of disseminated mucormycosis of the lungs] Krivoshei IF. **Vestn Rentgenol Radiol** 1987 Mar–Apr;(2):89–90 **(Rus)**

SURGERY

Pulmonary aspergilloma. Results of surgical treatment. Daly RC, et al. **J Thorac Cardiovasc Surg** 1986 Dec;92(6):981–8

Pneumonectomy in pulmonary mucormycosis complicating Behçet's disease. Santo M, et al. **Postgrad Med J** 1986 Jun; 62(728):485–6

Pulmonary aspergilloma—indications for surgical intervention. An analysis of 22 cases. Conlan AA, et al. **S Afr Med J** 1987 Mar 7;71(5):285–8

Recent experience of the treatment of aspergilloma with a surgical stapling device. Allan A, et al. **Thorax** 1986 Jun; 41(6):483–4

[Aspergillosis in a thoracic surgery patient sample. 20 years' results] Plate H, et al. **Zentralbl Chir** 1987;112(3):166–9 (Eng. Abstr.) **(Ger)**

[Two resected cases of pulmonary aspergillosis coincidentally accompanied by a solid tumor] Mitani N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Sep; 24(9):1023–7 (Eng. Abstr.) **(Jpn)**

[Pulmonary mucormycosis complicating relapsed acute leukemia. A surgical cure] Berenguer Berenguer J, et al. **Med Clin (Barc)** 1986 Dec 6;87(19):805–8 (Eng. Abstr.) **(Spa)**

THERAPY

Pulmonary cryptococcosis: clinical analysis and treatment of 14 cases. Chou CC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 May;86(5):459–66

TRANSMISSION

An outbreak of invasive aspergillosis in a haematologic unit. Ruutu P, et al. **Scand J Infect Dis** 1987;19(3):347–51

VETERINARY

Pulmonary aspergillosis in a horse with myelomonocytic leukemia. Blue J, et al. **J Am Vet Med Assoc** 1987 Jun 15;190(12):1562–4

The pathology of pulmonary aspergillosis in a piglet. Nesbit JW. **J S Afr Vet Assoc** 1986 Jun;57(2):125–7

LUNG DISEASES, OBSTRUCTIVE

Continuing controversy: pneumococcal vaccine and COPD [editorial] Williams JH Jr. **Chest** 1987 Aug;92(2):193–4

Nutritional aspects of chronic obstructive pulmonary disease. Wilson DO, et al. **Clin Chest Med** 1986 Dec;7(4):643–56 (68 ref.)

Bronchitis and emphysema. Proceedings of the 4th Congress of the European Society of Pneumology. Milano–Stresa, Italy, September 23–29, 1985. **Eur J Respir Dis [Suppl]** 1986;146:1–718

Bronchitis and emphysema. Proceedings of the 4th congress of the European Society of Pneumology. Milano—Stresa, Italy, September 23–29, 1985. Abstracts. **Eur J Respir Dis [Suppl]** 1986;146:A1–203

Reversible airway obstruction: neurohumoral mechanisms and treatment. Symposium, Florence, June 6–8, 1985. **Respiration** 1986;50 Suppl 2:1–326

BLOOD

Effects of haematocrit reduction on the haemoglobin–oxygen saturation curve in polycythaemia secondary to hypoxic lung disease. Wedzicha JA, et al. **Eur J Respir Dis [Suppl]** 1986;146:367–72

Theophylline binding to plasma proteins in patients with chronic obstructive pulmonary disease. Calandre EP, et al. **Int J Clin Pharmacol Res** 1986;6(5):397–401

Serum protein binding of sulfisoxazole and diazepam in patients with chronic obstructive pulmonary disease. Guerrero J, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 May;25(5):255–8

ABO blood group system and cigarette smoking: interaction in chronic airways obstruction [letter] Krzyżanowski M, et al. **Int J Epidemiol** 1987 Jun;16(2):293–4

The disposition of theophylline in blood in chronic obstructive lung disease. Ebden P, et al. **Ther Drug Monit** 1986;8(4):424–6

[Absorption of theophylline from Bronchoparat in relation to preceding food intake] Briese D, et al. **Prax Klin Pneumol** 1987 Feb;41(2):37–42 (Eng. Abstr.) **(Ger)**

[Changes in blood potassium induced by the abuse of 3 beta 2–agonist drugs] Capretti A, et al. **Clin Ter** 1987 Apr 15; 121(1):41–4 (Eng. Abstr.) **(Ita)**

[Oxygen desaturation during sleep in patients with chronic obstructive pulmonary disease] Tatsumi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jun; 24(6):639–47 (Eng. Abstr.) **(Jpn)**

[Thrombocytic component of hemostasis in chronic nonspecific lung diseases] Bokarev IN, et al. **Sov Med** 1986; (10):20–3 (Eng. Abstr.) **(Rus)**

[Antiproteolytic potential of the blood serum in chronic nonspecific lung diseases] Kaminskaia GO, et al. **Sov Med** 1986;(10):77–81 **(Rus)**

[Phospholipids in nonspecific lung diseases] Razin AS, et al. **Sov Med** 1986;(7):93–5 **(Rus)**

[Serum levels of nucleic acids of patients with chronic nonspecific diseases of the lungs and gastroduodenal ulcer] Dudchenko MA, et al. **Vrach Delo** 1987 Feb;(2):25–7 (Eng. Abstr.) **(Rus)**

[Acid–base status of the blood of patients with chronic nonspecific diseases of the lungs] Klapchuk VV. **Vrach Delo** 1987 Feb;(2):27–9 (Eng. Abstr.) **(Rus)**

[Effect of percussion and postural drainage on gas exchange] Alarcón Ardite A, et al. **Rev Clin Esp** 1987 Mar; 180(5):232–7 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

NHLBI workshop summary. Strategies for elucidating the relationship between occupational exposures and chronic air–flow obstruction. Brooks SM, et al. **Am Rev Respir Dis** 1987 Jan;135(1):268–73

Comparative study of respiratory changes in nitric acid plant workers. Kolhatkar VP, et al. **J Assoc Physicians India** 1987 Mar;35(3):217–9

[Therapeutic consequences of glaucoma treatment with different beta blockers in patients with obstructive respiratory tract diseases] Bleckmann H, et al. **Klin Monatsbl Augenheilkd** 1986 Jun;188(6):568–72 (Eng. Abstr.) **(Ger)**

[Chronic obstructive airway diseases caused by long–term occupational exposure to asphalt pyrolysis products] Maintz G, et al. **Z Erkr Atmungsorgane** 1987;168(1):71–6 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

Clinical types of chronic obstructive pulmonary disease. Petty TL. **Eur J Respir Dis [Suppl]** 1986;146:329–35

COMPLICATIONS

Hyperoxic–induced hypercapnia in stable chronic obstructive pulmonary disease. Sassoon CS, et al. **Am Rev Respir Dis** 1987 Apr;135(4):907–11

Anesthetic management of a patient with reactive airway disease for carbon dioxide laser debulking of a laryngeal tumor. North C, et al. **Anesth Analg** 1986 Nov; 65(11):1225–6

Intravenous use of glycopyrrolate in acute respiratory distress due to bronchospastic pulmonary disease. Slovis CM, et al. **Ann Emerg Med** 1987 Aug;16(8):898–900

Antibiotics or placebo for chronic obstructive pulmonary disease [letter] Dudek JJ, et al. **Ann Intern Med** 1987 Jul; 107(1):117–8

Antibiotic therapy and chronic obstructive pulmonary disease [letter] Engel W. **Ann Intern Med** 1987 Oct;107(4):596–7

Antibiotic therapy and chronic obstructive lung disease [letter] Lipsky BA, et al. **Ann Intern Med** 1987 Aug; 107(2):254

Aminophylline for acute exacerbations of chronic obstructive pulmonary disease. A controlled trial. Rice KL, et al. **Ann Intern Med** 1987 Sep;107(3):305–9

Antibiotics and chronic obstructive pulmonary disease [letter] Sperber SJ, et al. **Ann Intern Med** 1987 Jun;106(6):910

Airways obstruction and the risk for lung cancer. Tockman MS, et al. **Ann Intern Med** 1987 Apr;106(4):512–8

Pneumococcal infection and immunologic response to pneumococcal vaccine in chronic obstructive pulmonary disease. A pilot study. Davis AL, et al. **Chest** 1987 Aug; 92(2):204–12

Nd–YAG laser surgery for severe tracheal stenosis physiologically and clinically masked by severe diffuse obstructive pulmonary disease. Gelb AF, et al. **Chest** 1987 Feb;91(2):166–70

Pulmonary hypertension in chronic obstructive pulmonary disease: the right ventricular hypothesis [editorial] Morrison DA. **Chest** 1987 Sep;92(3):387–9

Variability in physician estimates of survival for acute respiratory failure in chronic obstructive pulmonary disease. Pearlman RA. **Chest** 1987 Apr;91(4):515–21

Single–patient randomized clinical trial. Opiates for intractable dyspnea. Robin ED, et al. **Chest** 1986 Dec; 90(6):888–92

Noninvasive method to assess cor pulmonale in patients with chronic obstructive pulmonary disease. Yamaoka S, et al. **Chest** 1987 Jul;92(1):10–7

The value of right atrial emptying rate in predicting reduction in pulmonary artery pressure in patients with chronic obstructive pulmonary disease. Marmor AT, et al. **Clin Cardiol** 1987 Aug;10(8):464–9

COPD: causes, treatment, and risk for lung cancer. Skillrud DM. **Compr Ther** 1986 Nov;12(11):13–6

Noninvasive assessment of pulmonary arterial hypertension in chronic lung disease: why and how? Morpurgo M, et al. **Eur Heart J** 1987 Jun;8(6):564–8

When should patients with COPD be ventilated? Muir JF, et al. **Eur J Respir Dis** 1987 Mar;70(3):135–9

Arachidonic acid metabolites and small airways disease in non–smoking sarcoidosis patients. Clancy L, et al. **Eur J Respir Dis [Suppl]** 1986;147:199–201

Acute and long term effect of nifedipine on pulmonary hypertension secondary to chronic obstructive airways disease. Johnson DC, et al. **Eur J Respir Dis [Suppl]** 1986; 146:495–502

Psychologic and physiologic factors related to dyspnea in subjects with chronic obstructive pulmonary disease. Gift AG, et al. **Heart Lung** 1986 Nov;15(6):595–601

Alpha 1 antitrypsin in chronic obstructive pulmonary disease (COPD). Nath J, et al. **Indian J Chest Dis Allied Sci** 1986 Jan–Mar;28(1):11–7

Respiratory effects of four adrenergic blocking agents combined with a diuretic in treating hypertension with concurrent chronic obstructive lung disease. Dal Negro RW, et al. **Int J Clin Pharmacol Res** 1986;6(4):283–9

Effect of various disease states on theophylline plasma levels and on pulmonary function in patients with chronic airway obstruction treated with a sustained release theophylline preparation. Dal Negro R, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Jul;25(7):401–5

Hyperkeratoses of forearms and thighs associated with chronic lung disease [letter] Kaufman WH, et al. **J Am Acad Dermatol** 1987 Apr;16(4):889–90

Improved cardiac performance by salbutamol, a selective beta 2–agonist, in chronic cor pulmonale. Vik–Mo H, et al. **J Cardiovasc Pharmacol** 1987 Feb;9(2):129–34

Imaging techniques for assessing cardiovascular performance in chronic obstructive pulmonary disease. Matthay RA, et al. **J Thorac Imaging** 1986 Mar;1(2):61–74 (92 ref.)

Effect of cisapride on gastroesophageal reflux in children with chronic bronchopulmonary disease: a double–blind cross–over pH–monitoring study. Saye ZN, et al. **Pediatr Pulmonol** 1987 Jan–Feb;3(1):8–12

Influence of ACE inhibition on pulmonary haemodynamics and function in patients in whom beta–blockers are contraindicated. Bertoli L, et al. **Postgrad Med J** 1986;62 Suppl 1:47–51

Nocturnal hypoxaemia and quality of sleep in patients with chronic obstructive lung disease. Cormick W, et al. **Thorax** 1986 Nov;41(11):846–54

[Sleep hypoxemia and oxygen treatment in COPD] Yu FS. **Chung Hua I Hsueh Tsa Chih** 1986 Feb;66(2):89–92, 126 (Eng. Abstr.) **(Chi)**

[Tracheotomy in chronic obstructive pulmonary disease complicated by respiratory failure: clinical analysis of 19 cases] Qiu HG, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Jan;26(1):9–11, 61 (Eng. Abstr.) **(Chi)**

[Severe respiratory insufficiency in chronic obstructive bronchopneumopathies] Sadoul P.
Bull Mem Acad R Med Belg 1986;141(11–12):541–50 (Eng. Abstr.) **(Fre)**

[Theophylline overdoses on admission to a resuscitation unit] Laaban JP, et al. **Rev Mal Respir** 1987;4(3):127–32 (Eng. Abstr.) **(Fre)**

[M-mode echocardiography in the diagnosis of pulmonary arterial hypertension in chronic respiratory disorders] Oswald-Mammosser M, et al. **Rev Mal Respir** 1987; 4(2):77–84 (Eng. Abstr.) **(Fre)**

[Effect of secondary bronchopulmonary diseases on the performance and course of rehabilitation of patients with myocardial infarct] Schauer J, et al.
Z Gesamte Inn Med 1987 Apr 1;42(7):182–7 (Eng. Abstr.) **(Ger)**

[Usefulness of a combination of an anti-catarrh polyvalent bacterial vaccine and an anti-influenza vaccine in subjects with chronic bronchopneumopathy. Clinical and ventilation function findings] De Bernardi M, et al.
Clin Ter 1987 Apr 30;121(2):119–24 (Eng. Abstr.) **(Ita)**

[Early diagnosis of pulmonary hypertension in chronic obstructive bronchopneumopathy] Reffo GC, et al.
Minerva Cardioangiol 1987 May;35(5):267–72 (Eng. Abstr.) **(Ita)**

[Characteristics of the treatment of closed injuries of the thorax in patients with chronic nonspecific lung diseases] Abbas N. **Klin Khir** 1986;(10):23–5 (Eng. Abstr.) **(Rus)**

[Decompensation of chronic cor pulmonale in patients with chronic obstructive bronchitis] Butorov IV, et al.
Probl Tuberk 1987;(3):38–41 (Eng. Abstr.) **(Rus)**

[Possibilities of echocardiography in evaluating the status of the right ventricle of the heart and the pulmonary artery in patients with tuberculosis and nonspecific diseases of the lungs] Gavrisiuk VK, et al. **Probl Tuberk** 1987;(3):34–7 (Eng. Abstr.) **(Rus)**

[Features of the course of tuberculosis of the respiratory organs among persons with concurrent nonspecific pathology of the bronchopulmonary system] Greimer MS, et al. **Probl Tuberk** 1986;(11):25–8 (Eng. Abstr.) **(Rus)**

[Nonspecific inflammatory diseases of the lung in active tuberculosis and their sequelae] Shul'gina ZL, et al.
Probl Tuberk 1986;(10):49–52 (Eng. Abstr.) **(Rus)**

[Course and outcome of the combined lesions—active tuberculosis and chronic nonspecific diseases of the lung] Vil'derman AM, et al. **Probl Tuberk** 1987;(3):19–22 (Eng. Abstr.) **(Rus)**

[Features of the diagnosis and clinical course of tuberculosis associated with COPD in late-middle and old age] Iashchenko BP, et al. **Vrach Delo** 1987 Jun;(6):48–51 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Standards for the diagnosis and care of patients with chronic obstructive pulmonary disease (COPD) and asthma. This official statement of the American Thoracic Society was adopted by the ATS Board of Directors, November 1986. **Am Rev Respir Dis** 1987 Jul;136(1):225–44

How to define asthma and COPD [letter] Eliasson O.
Am Rev Respir Dis 1987 Sep;136(3):789–90

Predicting maximal exercise ventilation in patients with chronic obstructive pulmonary disease. Carter R, et al. **Chest** 1987 Aug;92(2):253–9

Vectorcardiography and COPD [letter] Conget Lopez F. **Chest** 1987 Apr;91(4):636

Two-dimensional echocardiographic assessment of the right ventricle in patients with chronic obstructive lung disease. Danchin N, et al. **Chest** 1987 Aug;92(2):229–33

Ventilatory limitation of exercise. Prediction in COPD [editorial] Dillard TA. **Chest** 1987 Aug;92(2):195–6

CT of the lung parenchyma and the pulmonary function test. Sider L, et al. **Chest** 1987 Sep;92(3):406–10

Severe spirometric defects in systemic lupus erythematosus. A possible role for bronchoalveolar lavage and gallium scanning. Lin RY. **Clin Rheumatol** 1987 Jun;6(2):276–81

Office-based assessment of pulmonary function. Huml J, et al. **Compr Ther** 1987 Jul;13(7):14–7

The interdependence between maximum mean expiratory flow (MMEF25–75%) and some spirographic diffusion and blood-gas indices in patients with chronic non-specific lung disease (CNLD). Kirin I, et al.
Folia Med (Plovdiv) 1986;28(2):34–7

The effect of acute respiratory infections on pulmonary function. Dhand R. **Indian J Pediatr** 1987 Mar–Apr; 54(2):177–81

Thorax—a program to assist in the preoperative risk assessment of patients undergoing thoracic surgery. Skaredoff MN. **Int J Clin Monit Comput** 1986;3(4):245–9

Digital signal processing of stridor and snoring in children. Leiberman A, et al. **Int J Pediatr Otorhinolaryngol** 1986 Dec;12(2):173–85

Phasic changes of right ventricular ejection fraction in patients with acute exacerbations of chronic obstructive pulmonary disease [letter] Dhainaut JF, et al.
Intensive Care Med 1987;13(3):214–5

Asthma and other obstructive lung diseases [letter] Manresa F, et al. **Lancet** 1987 Jan 24;1(8526):219

Microcomputer-based system to calculate respiratory impedance from forced random noise data. Pelle G, et al. **Med Biol Eng Comput** 1986 Sep;24(5):541–4

Respiratory disability in workers' compensation claimants. Rubinfeld AR, et al. **Med J Aust** 1983 Feb 5;1(3):119–21

Predicting the performance of daily activities of patients with chronic lung disease. Keller C. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):647–51

Asthma and chronic obstructive pulmonary disease. Rebuck AS. **Trans Assoc Life Insur Med Dir Am** 1987;70:164–70

[CARA is not a diagnosis] Sluiter HJ.
Ned Tijdschr Geneeskd 1986 Dec 6;130(49):2201–3 **(Dut)**

[CARA is no diagnosis? CARA therapy is made to measure! (letter)] van Dishoeck EA. **Ned Tijdschr Geneeskd** 1987 Feb 14;131(7):291–2 **(Dut)**

[Macleod's syndrome—new diagnostic potentials] Tukiainen H, et al. **Duodecim** 1987;103(1):37–41 **(Fin)**

[Respiratory volume flow controlled total occlusion method, a new principle for measuring bronchial resistance] Bachert C, et al. **Prax Klin Pneumol** 1987 Apr;41(4):129–31 (Eng. Abstr.) **(Ger)**

[Expanding clinical diagnosis of lung function by hyperoxia respiration] Chowanetz W, et al. **Prax Klin Pneumol** 1986 Oct;40(10):404–10 (Eng. Abstr.) **(Ger)**

[Early symptoms and possibilities for preventing chronic lung diseases] Ulmer WT. **Verh Dtsch Ges Inn Med** 1986; 92:35–47 **(Ger)**

[Fibronectin in the sputum in malignant and inflammatory diseases of the respiratory tract] Borkenstein J, et al.
Wien Med Wochenschr 1986 Nov 30;136(21–22):543–5 (Eng. Abstr.) **(Ger)**

[Value of the maximal expiratory flow-volume diagram in a longitudinal study. 2. Results in young adults] Evers H, et al. **Z Erkr Atmungsorgane** 1986;167(1–2):79–86 (Eng. Abstr.) **(Ger)**

[Oscillation method in the diagnosis of respiratory function in adults—classification and possibilities for optimization. 1. Basic problems and introduction to the method] Pleger E. **Z Erkr Atmungsorgane** 1987;168(1):83–8 (Eng. Abstr.) **(Ger)**

[Oscillation method in the diagnosis of respiratory function in adults—classification and possibilities for optimization. 2. Oscillatory resistance (ROS)] Pleger E.
Z Erkr Atmungsorgane 1987;168(2):173–8 (Eng. Abstr.) **(Ger)**

[Relations between stress intensity, sex and ergometric procedures in healthy probands and patients with obstructive respiratory diseases] Reimer W, et al.
Z Erkr Atmungsorgane 1987;168(2):126–34 (Eng. Abstr.) **(Ger)**

[Diagnoses and differentiation in obstructive lung disease] Lieberman D, et al. **Harefuah** 1987 Feb 1;112(3):146–9 **(Heb)**

[Airway dynamics analyzed with radioaerosol clearance] Kamishima K, et al. **Kokyu To Junkan** 1987 Jan;35(1):31–6 **(Jpn)**

[Relation between small airway function tests and selective alveolo-bronchography] Iwasaki Y, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1986 Dec; 24(12):1301–8 (Eng. Abstr.) **(Jpn)**

[Dyspnea as a symptom of exertion intolerance in chronic diseases of the respiratory system] Zejda J.
Pneumonol Pol 1986 Nov;54(11):504–9 (Eng. Abstr.) **(Pol)**

[Loss of work capacity in chronic obstructive bronchopneumopathy] Grigorescu V, et al.
Rev Ig [Pneumoftiziol] 1986 Jul–Sep;35(3):213–20 (Eng. Abstr.) **(Rum)**

[Characteristics of the diagnosis of closed thoracic injuries in chronic nonspecific lung diseases] Abbas N.
Klin Khir 1987;(6):26–8 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of obstructive lung abscess] Laptev AN. **Klin Khir** 1986;(10):6–7 (Eng. Abstr.) **(Rus)**

[Early diagnosis of concurrent nonspecific diseases of the lung in tuberculosis patients] Priimak AA, et al.
Probl Tuberk 1987;(3):16–8 (Eng. Abstr.) **(Rus)**

[Diagnosis of bronchial obstruction in patients with newly diagnosed pulmonary tuberculosis at a tuberculosis dispensary] Shal'min AS. **Probl Tuberk** 1987;(3):27–9 (Eng. Abstr.) **(Rus)**

[Diagnostic significance of parameters of respiratory mechanics in systemic scleroderma and pneumosclerosis caused by chronic nonspecific lung diseases] Iakupova ZN. **Revmatologiia (Moskva)** 1987 Jan–Mar;(1):30–5 (Eng. Abstr.) **(Rus)**

[Temporary disability and primary disability in chronic nonspecific lung diseases] Krashke LI, et al.
Sov Zdravookkhr 1986;(9):41–3 (Eng. Abstr.) **(Rus)**

[Diagnosis of disorders in the local pulmonary defense system in patients with nonspecific diseases of the lungs] Didkovskiĭ NA, et al. **Ter Arkh** 1987;59(3):108–12 **(Rus)**

[Various aspects of the differential diagnosis of a pulmonary syndrome in systemic scleroderma and chronic aspecific lung diseases] Doroshenko IuA, et al. **Ter Arkh** 1987; 59(4):92–7 (Eng. Abstr.) **(Rus)**

[Problems of diagnosis of a broncho-obstructive syndrome] Alekseev VG, et al. **Voen Med Zh** 1987 May;(5):33–5 **(Rus)**

DIET THERAPY

[Non-specific chronic obstructive bronchopneumopathy and nutrition] Guelpa G, et al. **Schweiz Med Wochenschr** 1987 Jan 31;117(5):168–72 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Nebulized anticholinergic and sympathomimetic treatment of asthma and chronic obstructive airways disease in the emergency room. Rebuck AS, et al. **Am J Med** 1987 Jan; 82(1):59–64

Pharmacologic management of obstructive lung disease. Current perspectives. Skorodin MS. **Am J Med** 1986 Nov 14;81(5A):8–15 (85 ref.)

Comparison of the anticholinergic bronchodilator ipratropium bromide with metaproterenol in chronic obstructive pulmonary disease. A 90-day multi-center study. Tashkin DP, et al. **Am J Med** 1986 Nov 14; 81(5A):81–90

Drug strategies for airflow obstruction. Petty TL.
Am J Nurs 1987 Feb;87(2):180–4

Effects of digoxin on diaphragmatic strength generation in patients with chronic obstructive pulmonary disease during acute respiratory failure. Aubier M, et al.
Am Rev Respir Dis 1987 Mar;135(3):544–8

Improvement in ventilation-perfusion relationships by almitrine in patients with chronic obstructive pulmonary disease during mechanical ventilation. Castaing Y, et al.
Am Rev Respir Dis 1986 Nov;134(5):910–6

Effects of hydralazine on mouth occlusion pressure and ventilatory response to hypercapnia in patients with chronic obstructive pulmonary disease and pulmonary hypertension. Corriveau ML, et al. **Am Rev Respir Dis** 1987 Jan;135(1):118–22

Theophylline-induced alterations in cardiac electrophysiology in patients with chronic obstructive pulmonary disease. Eiriksson CE Jr, et al.
Am Rev Respir Dis 1987 Feb;135(2):322–6

Effects of adenosine triphosphate on pulmonary circulation in chronic obstructive pulmonary disease. ATP: a pulmonary vasoregulator? Gaba SJ, et al.
Am Rev Respir Dis 1986 Dec;134(6):1140–4

Bronchodilators in chronic air-flow limitation. Effects on airway function, exercise capacity, and quality of life. Guyatt GH, et al. **Am Rev Respir Dis** 1987 May; 135(5):1069–74

Antibiotic therapy in exacerbations of chronic obstructive pulmonary disease. Anthonisen NR, et al.
Ann Intern Med 1987 Feb;106(2):196–204

Ipratropium bromide and airways function in wheezy infants. Prendiville A, et al. **Arch Dis Child** 1987 Apr;62(4):397–400

A comparative trial of ipratropium bromide (Atrovent), controlled release theophylline (Phyllocontin), and a combination of these in patients with reversible airflow obstruction. Sahay JN, et al. **Ibr J Clin Pract** 1986 May; 40(5):198–202

Aminophylline, respiratory muscle strength and exercise tolerance in chronic obstructive airway disease. Cooper CB, et al. **Bull Eur Physiopathol Respir** 1987 Jan–Feb; 23(1):15–22

Efficacy of pneumococcal vaccine in severe chronic obstructive pulmonary disease. Leech JA, et al.
Can Med Assoc J 1987 Feb 15;136(4):361–5

Neurohumoral mechanisms in obstructive airway diseases: role of inhaled anticholinergic agents. **Chest** 1987 May;91(5 Suppl):35S–64S

Response to inhaled bronchodilators in COPD. Anthonisen NR, et al. **Chest** 1987 May;91(5 Suppl):36S–39S

Combination of theophylline and salbutamol for arrhythmias in severe COPD. Eidelman DH, et al. **Chest** 1987 Jun; 91(6):808–12

Effect of inorganic phosphate in hypoxemic chronic obstructive lung disease patients during exercise. Farber M, et al. **Chest** 1987 Aug;92(2):310–2

Steroids in COPD. The scripture according to Albert [letter] Glenny RW. **Chest** 1987 Feb;91(2):289–90

Anticholinergic agents in COPD. Gross NJ. **Chest** 1987 May; 91(5 Suppl):52S–57S (30 ref.)

Comparison of domiciliary nebulized salbutamol and salbutamol from a metered-dose inhaler in stable chronic airflow limitation. Jenkins SC, et al. **Chest** 1987 Jun; 91(6):804–7

Theophylline as a bronchodilator in COPD and its combination with inhaled beta-adrenergic drugs. Jenne JW. **Chest** 1987 Jul;92(1 Suppl):7S–14S (30 ref.)

Theophylline once-a-day dosage [letter] Lieberman J.
Chest 1986 Oct;90(4):623–5

The role of theophylline in the treatment of dyspnea in COPD. Mahler DA. **Chest** 1987 Jul;92(1 Suppl):2S–6S (36 ref.)

Effect of alprazolam on exercise and dyspnea in patients with chronic obstructive pulmonary disease. Man GC, et al.
Chest 1986 Dec;90(6):832–6

Favorable cardiovascular effects of theophylline in COPD. Matthay RA. **Chest** 1987 Jul;92(1 Suppl):22S–26S (26 ref.)

Pulmonary vasodilator therapy for chronic obstructive pulmonary disease and cor pulmonale. Treatment with nifedipine, nitroglycerin, and oxygen. Morley TF, et al.
Chest 1987 Jul;92(1):71–6

Aerosol therapy: nebulizer vs metered dose inhaler [editorial] Newhouse M, et al. **Chest** 1987 Jun;91(6):799–800

Undetermined utility of almitrine [letter] Patz D. **Chest** 1987 May;91(5):794

The effects of theophylline on airway inflammation. Pauwels R. **Chest** 1987 Jul;92(1 Suppl):32S–37S (40 ref.)

Effects of beta-adrenergic agents on hypokalemia [letter] Raimondi G, et al. **Chest** 1987 Feb;91(2):288–9

Systemic corticosteroids in stable chronic obstructive

pulmonary disease. Do they work? Stoller JK. **Chest** 1987 Feb;91(2):155–6

Effect of chlormadinone acetate on sleep arterial oxygen desaturation in patients with chronic obstructive pulmonary disease. Tatsumi K, et al. **Chest** 1987 May;91(5):688–92

Demand oxygen delivery during exercise. Tiep BL, et al. **Chest** 1987 Jan;91(1):15–20

Pharmacotherapy of chronic obstructive pulmonary disease. Theodore AC, et al. **Clin Chest Med** 1986 Dec;7(4):657–71 (98 ref.)

The hemodynamic effects of aminophylline and salbutamol alone and in combination. Burgess CD, et al. **Clin Pharmacol Ther** 1986 Nov;40(5):550–3

Double-blind comparison of tulobuterol and salbutamol in chronic obstructive pulmonary disease. Germouty J. **Clin Ther** 1986;8(5):546–53

Using a hand-held spirometer as a monitoring tool in chronic theophylline therapy. Mikhail MN, et al. **Drug Intell Clin Pharm** 1987 Jun;21(6):502–4

Almitrine bismesylate. Smith PD, et al. **Drug Intell Clin Pharm** 1987 May;21(5):417–21 (26 ref.)

Effects of single oral doses of bisoprolol and atenolol on airway function in nonasthmatic chronic obstructive lung disease and angina pectoris. Dorow P, et al. **Eur J Clin Pharmacol** 1986;31(2):143–7

Oral N-acetylcysteine: how does it act? [editorial] Richardson P. **Eur J Respir Dis** 1987 Feb;70(2):71–2

Is chronic hypoxaemia and/or hypercapnia of the obstructive patient reversible? The role of almitrine bismesylate. **Eur J Respir Dis [Suppl]** 1986;146:609–718

A one-year double-blind placebo-controlled study of the efficacy and safety of almitrine bismesylate in hypoxic COLD patients. Monitoring progress status on 490 patients entered into the VIMS study before January 1st, 1984. Ansquer JC. **Eur J Respir Dis [Suppl]** 1986;146:703–12

Long term studies on almitrine bismesylate in COPD patients. Bourgouin-Karaouni D, et al. **Eur J Respir Dis [Suppl]** 1986;146:695–701

Ten cases of peripheral neuropathy during treatment with almitrine in COPD patients. Gerard M, et al. **Eur J Respir Dis [Suppl]** 1986;146:591–6

A review of clinical studies carried out in Italy with almitrine bismesylate. Grassi V, et al. **Eur J Respir Dis [Suppl]** 1986; 146:671–6

A comparison of the efficacy of high dose and normal dose budesonide in prednisone dependent patients with chronic obstructive lung disease (COLD). Overbeek SE, et al. **Eur J Respir Dis [Suppl]** 1986;146:581–4

A double-blind comparison of oral prednisolone 40 mg/day with inhaled beclomethasone dipropionate 1500 ug/day in patients with adult onset chronic obstructive airways disease. Robertson AS, et al. **Eur J Respir Dis [Suppl]** 1986; 146:565–9

Almitrine bismesylate and hypoxemia in COPD patients (results of an Italian multicentric trial). Vulterini S, et al. **Eur J Respir Dis [Suppl]** 1986;146:677–83

Development of safer xanthine drugs for treatment of obstructive airways disease. Persson CG. **J Allergy Clin Immunol** 1986 Oct;78(4 Pt 2):817–24 (51 ref.)

Theophylline in chronic obstructive pulmonary disease. Sharp JT. **J Allergy Clin Immunol** 1986 Oct;78(4 Pt 2):800–5 (35 ref.)

Comparative evaluation of lung functional changes with atropine methonitrate and salbutamol in plain and sustained forms. Patel MH, et al. **J Assoc Physicians India** 1986 Oct; 34(10):717–8

Bopindolol, pindolol, and atenolol in patients with chronic obstructive lung disease. Schiess W, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 6:S30–3

Corticosteroids in stable chronic obstructive pulmonary disease: reappraisal of efficacy. Stoller JK, et al. **J Gen Intern Med** 1987 Jan–Feb;2(1):29–35

Antibiotic policy and infective exacerbation of obstructive airways disease [letter] Tomson CR, et al. **Lancet** 1987 Jul 4;2(8549):45

High-dose beclomethasone in the management of elderly patients with corticosteroid-dependent chronic obstructive pulmonary disease [letter] Tandon MK. **Med J Aust** 1987 Sep 21;147(6):314–5

Ipratropium. **Med Lett Drugs Ther** 1987 Jul 31;29(745):71–2

Bronchodilator therapy in obstructive lung disease. McFadden ER Jr. **New Engl Reg Allergy Proc** 1985 Summer;6(3):241–4

Corticosteroid therapy for chronic obstructive pulmonary disease. Is it worth the risks? Alberts WM, et al. **Postgrad Med** 1987 Apr;81(5):131–4, 137

Combined inhalation of fenoterol and ipratropium bromide in long-term therapy of chronic reversible airway obstruction. Barnabè R, et al. **Respiration** 1986;50 Suppl 2:232–5

Comparison of bronchodilator effects of Duovent and Reproterol in patients with chronic reversible airway obstruction. Baronti A, et al. **Respiration** 1986;50 Suppl 2:173–6

Effect of combined use of intravenous salbutamol and aminophylline on cardiac rhythm in chronic obstructive lung disease. Bigi R, et al. **Respiration** 1987;51(2):119–26

Long-term treatment with 'Duovent' in elderly patients affected by chronic obstructive lung disease. Cecere L, et al. **Respiration** 1986;50 Suppl 2:245–8

Bronchodilating and density dependence effects of fenoterol, ipratropium bromide and Duovent in reversible chronic obstructive pulmonary disease. Dubois PE, et al. **Respiration** 1986;50 Suppl 2:280–4

Effects of inhaled oxitropium and fenoterol, alone and in combination, in chronic airflow obstruction. Frith PA, et al. **Respiration** 1986;50 Suppl 2:294–7

Acute on chronic comparative effects of a combination of fenoterol–ipratropium bromide and terbutaline in patients with chronic obstructive lung disease. Grassi V, et al. **Respiration** 1986;50 Suppl 2:226–31

Comparison of fenoterol, ipratropium bromide, and their combination in patients with asthma or chronic airflow obstruction. Huhti E, et al. **Respiration** 1986;50 Suppl 2:298–301

Evaluation of the intensity and duration of the bronchodilatory action of fenoterol–ipratropium bromide in combination compared with terbutaline and placebo in patients with chronic obstructive lung disease. Longhini E, et al. **Respiration** 1986;50 Suppl 2:169–72

Clinical physiological data on the bronchodilator effect of Duovent versus salbutamol in chronic obstructive lung disease. Marangio E, et al. **Respiration** 1986;50 Suppl 2:165–8

Studies of ipratropium bromide and fenoterol administered by metered-dose inhaler and aerosolized solution. Marlin GE. **Respiration** 1986;50 Suppl 2:290–3

Comments on subacute and long-term studies. Panuccio P. **Respiration** 1986;50 Suppl 2:254–7

Perspectives in the treatment of reversible airway obstruction. Pasargiklian M, et al. **Respiration** 1986;50 Suppl 2:131–6

Broxaterol (Z.1170), a new oral beta 2-agonist compared with salbutamol. Perruchoud AP, et al. **Respiration** 1987; 51(2):113–8

Acute controlled study of the dose–response relationship of fenoterol, ipratropium bromide and their combination. Serra C, et al. **Respiration** 1986;50 Suppl 2:144–7

Controlled clinical study of a long-term treatment of chronic obstructive lung disease using a combination of fenoterol and ipratropium bromide in aerosol form. Serra C, et al. **Respiration** 1986;50 Suppl 2:249–53

Recommended standard theophylline doses are inadequate in chronic obstructive pulmonary disease. Savage J, et al. **S Afr Med J** 1987 Apr 18;71(8):508–9

Effect of prednisolone on theophylline pharmacokinetics in patients with chronic airflow obstruction. Fergusson RJ, et al. **Thorax** 1987 Mar;42(3):195–8

Oral progesterone treatment in chronic obstructive lung disease: failure of voluntary hyperventilation to predict response. Morrison DA, et al. **Thorax** 1986 Aug;41(8):616–9

[Therapeutic effect of 42 cases of chronic obstructive pulmonary disease treated by traditional Chinese medicine combined with Western medicine] Wang HR. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb;7(2):80–2, 68 (Eng. Abstr.) **(Chi)**

[Bronchodilators: theophylline derivatives] Neijens HJ. **Ned Tijdschr Geneeskd** 1986 Nov 15;130(46):2068–71 **(Dut)**

[Bronchodilators: beta-sympathicomimetics] van Herwaarden CL. **Ned Tijdschr Geneeskd** 1986 Oct 18; 130(42):1876–8 **(Dut)**

[Tests of reversibility of bronchial obstruction] Meslier N, et al. **Rev Mal Respir** 1986;3(6):355–60 **(Fre)**

[Role of almitrine in the treatment of chronic obstructive bronchopneumopathy] Bury T, et al. **Rev Med Liege** 1987 May 1;42(9):352–5 **(Fre)**

[Theophylline—once or twice daily?] Schoch C, et al. **Fortschr Med** 1987 May 30;105(16):319–22 (Eng. Abstr.) **(Ger)**

[Vasodilator therapy in pulmonary hypertension and chronic obstructive lung disease (COPD). Hemodynamic studies exemplified by nifedipine and nitroglycerin] Gassner A, et al. **Herz** 1986 Aug;11(4):207–16 (Eng. Abstr.) **(Ger)**

[Enoxacin and theophylline] **Infection** 1986;14 Suppl 3:S220 **(Ger)**

[Short-term therapy with methylprednisolone in exacerbated obstructive respiratory tract diseases] Möller M. **Prax Klin Pneumol** 1987 Jan;41(1):19–22 (Eng. Abstr.) **(Ger)**

[Combination of anticholinergic, beta-2-sympathomimetic agents and theophylline in the treatment of chronic obstructive lung disease. A double-blind multicenter study of 60 patients] Bezel R, et al. **Schweiz Rundsch Med Prax** 1987 May 26;76(22):632–6 (Eng. Abstr.) **(Ger)**

[Clinical significance of determining theophylline concentration in serum] Bonelli J, et al. **Wien Med Wochenschr** 1986 Dec 31;136(23–24):641–6 **(Ger)**

[Effect and side effects of a depot theophylline preparation within the scope of a clinical trial] Wilke A, et al. **Z Erkr Atmungsorgane** 1986;167(3):245–53 (Eng. Abstr.) **(Ger)**

[Therapy of pneumologic diseases in the aged] Wiessmann KJ, et al. **Z Gerontol** 1987 Jan–Feb;20(1):17–22 (Eng. Abstr.) **(Ger)**

[The effect of the Ca2+ antagonist diltiazem on the respiratory function in chronic obstructive lung diseases] Zsamboki G, et al. **Orv Hetil** 1986 Aug 17;127(33):2003–4, 2007–8 (Eng. Abstr.) **(Hun)**

[Therapeutic action of a new xanthine derivative in respiratory pathology] Cesco G, et al. **Clin Ter** 1986 Aug 31;118(4):253–7 (Eng. Abstr.) **(Ita)**

[Comparison of the effectiveness and tolerance of a new beta-2 stimulant (broxaterol) vs. salbutamol in patients with chronic obstructive bronchopneumopathy] Giosuè S, et al. **Clin Ter** 1987 Apr 15;121(1):35–9 (Eng. Abstr.) **(Ita)**

[Theophylline in the therapy of non reversible airway obstruction] Drigo R, et al. **G Clin Med** 1987 Jan; 68(1):39–45 (53 ref.) **(Ita)**

[Use of miocamycin in the acute exacerbation of chronic obstructive bronchopneumopathy. Case material contribution] Miravalle C, et al. **Minerva Med** 1987 May 15;78(9):623–6 (Eng. Abstr.) **(Ita)**

[Corticosteroids for inhalation in obstructive lung diseases] Pettersen K, et al. **Tidsskr Nor Laegeforen** 1987 Apr 10; 107(10–11):950–1 **(Nor)**

[Therapeutic non-compliance in patients with chronic airway obstruction] Barrueco M, et al. **Rev Clin Esp** 1987 Apr; 180(6):293–5 (Eng. Abstr.) **(Spa)**

ECONOMICS

Cost and outcome of care for patients with chronic obstructive lung disease. Analysis by physician specialty. Strauss MJ, et al. **Med Care** 1986 Oct;24(10):915–24

ENZYMOLOGY

Changes in enzyme content and activity of alveolar macrophages in smokers and COLD patients. Huidekoper HJ, et al. **Eur J Respir Dis [Suppl]** 1986;146:195–201

Changes in alveolar macrophage enzyme content and activity in smokers and patients with chronic obstructive lung disease. Terpstra GK, et al. **Int J Clin Pharmacol Res** 1987; 7(4):273–7

ETHNOLOGY

Tests of small airway function in black smokers and nonsmokers. Stinson JM, et al. **J Natl Med Assoc** 1987 Jul;79(7):753–7

ETIOLOGY

Cholinergic and neurogenic mechanisms in obstructive airways disease. Bleecker ER. **Am J Med** 1986 Nov 14; 81(5A):93–102 (110 ref.)

Role of inflammation and inflammatory mediators in airways disease. Lazarus SC. **Am J Med** 1986 Nov 14;81(5A):2–7 (63 ref.)

On dust, disability, and death [letter] **Am Rev Respir Dis** 1987 May;135(5):1215–8

Factors associated with the change in ventilatory function and the development of chronic obstructive pulmonary disease in a 13-year follow-up of the Cracow Study. Risk of chronic obstructive pulmonary disease. Krzyzanowski M, et al. **Am Rev Respir Dis** 1986 Nov;134(5):1011–9

The relationship of nonspecific bronchial responsiveness to respiratory symptoms in a random population sample. Rijcken B, et al. **Am Rev Respir Dis** 1987 Jul;136(1):62–8

Respiratory effects of occupational exposure to tobacco dust. Viegi G, et al. **Br J Ind Med** 1986 Dec;43(12):802–8

Statement and resolution on tobacco and health. Committee of Public Health. The New York Academy of Medicine. **Bull NY Acad Med** 1986 Dec;62(10):1028–32

Airway involvement in ulcerative colitis. Wilcox P, et al. **Chest** 1987 Jul;92(1):18–22

Pulmonary vascular disease in secundum atrial septal defect in childhood: an unusual evolution. Dupuis C, et al. **Clin Cardiol** 1987 Feb;10(2):133–4

Bronchial obstruction caused by a solitary endobronchial non-Hodgkin lymphoma. Spapen H, et al. **Eur J Respir Dis** 1987 Aug;71(2):130–1

Pathophysiologic correlations in asbestos-induced airway disease in the guinea pig. Wright JL, et al. **Exp Lung Res** 1986;11(4):307–17

Influence of cigarette yield on risk of coronary heart disease and chronic obstructive pulmonary disease. Stellman SD. **IARC Sci Publ** 1986;(74):237–49 (25 ref.)

Upper airway obstruction in Hunter syndrome. Brama I, et al. **Int J Pediatr Otorhinolaryngol** 1986 Sep;11(3):229–35

Induction of periodic breathing during sleep causes upper airway obstruction in humans. Onal E, et al. **J Appl Physiol** 1986 Oct;61(4):1438–43

Late airflow obstruction in heart-lung transplantation recipients. Burke CM, et al. **J Heart Transplant** 1985 Jul–Aug;4(4):437–40

The biochemical pathogenesis of chronic obstructive pulmonary diseases: protease-antiprotease imbalance in emphysema and diseases of the airways. Kuhn C 3d. **J Thorac Imaging** 1986 Mar;1(2):1–6 (64 ref.)

Is bronchiolitis in infancy an antecedent of chronic lung disease in adolescence and adulthood? Pagtakhan RD, et al. **J Thorac Imaging** 1986 Oct;1(4):34–40

IgG3 deficiency: common in obstructive lung disease. Hereditary in families with immunodeficiency and autoimmune disease. Oxelius VA, et al. **Monogr Allergy** 1986;20:106–15

Leukotrienes and other eicosanoids as mediators of airway obstruction. Dahlén SE, et al. **Respiration** 1986;50 Suppl 2:22–9

S. pneumoniae: important contributor to morbidity and mortality in patients with chronic obstructive pulmonary disease--fact or fiction? Davis AL, et al. **Trans Am Clin Climatol Assoc** 1986;98:105–18

[Children and tobacco] Knol K, et al.

Ned Tijdschr Geneeskd 1986 Dec 27;130(52):2329–31 **(Dut)**

[Past history of pulmonary tuberculosis and pulmonary disease] Imaizumi T, et al. **Kekkaku** 1986 Aug;61(8):435–7 (Eng. Abstr.) **(Jpn)**

[The role of gastroesophageal reflux and microaspiration in the development of respiratory pathology in children] Tiurina NS, et al. **Pediatriia** 1987;(1):17–21 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Robust inference for variance components models in families ascertained through probands: II. Analysis of spirometric measures. Beaty TH, et al. **Genet Epidemiol** 1987; 4(3):211–21

Alpha 1-antitrypsin gene polymorphism related to respiratory system disease. Buraczynska M, et al. **Klin Wochenschr** 1987 Jul 15;65(12):538–41

[Genetic risk factors for the development of chronic bronchopulmonary diseases and persistent viral infection] Nisevich LL. **Pediatriia** 1987;(1):21–6 (Eng. Abstr.) **(Rus)**

[Clinico-genetic characteristics of diseases of the respiratory system] Mostovoi IuM, et al. **Probl Tuberk** 1987;(3):31–4 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Allergy skin-test reactions and chronic airflow obstruction in children [letter] Corbo GM, et al. **Chest** 1987 Jun; 91(6):936

Skin test responsiveness to four new tuberculins in patients with chronic obstructive airways disease receiving short term high doses of, or long term maintenance treatment with, prednisolone: clinical appearances and histometric studies. Lowe JG, et al. **J Clin Pathol** 1987 Jan;40(1):42–9

[Sensitization to the mites Dermatophagoides pteronyssinus and farinae in patients with asthma and obstructive bronchitis] Debelić M, et al. **Prax Klin Pneumol** 1986 Dec; 40(12):475–7 (Eng. Abstr.) **(Ger)**

[Characteristics of circulating immune complexes and their relation to the clinical features in chronic nonspecific lung diseases] Nemtsov VI, et al. **Ter Arkh** 1986;58(10):72–5 **(Rus)**

METABOLISM

Oxygen consumption and transport in stable patients with chronic obstructive pulmonary disease. Albert RK, et al. **Am Rev Respir Dis** 1986 Oct;134(4):678–82

Lipid mediators in cystic fibrosis and chronic obstructive pulmonary disease. Zakrzewski JT, et al. **Am Rev Respir Dis** 1987 Sep;136(3):779–82

Energy expenditure in patients with chronic obstructive pulmonary disease. Goldstein S, et al. **Chest** 1987 Feb; 91(2):222–4

Prediction of PaO2 during treadmill walking in patients with COPD. Kurihara N, et al. **Chest** 1987 Mar;91(3):328–32

Pulmonary disease and antipyrine clearance. Laybourn C, et al. **Clin Pharmacol Ther** 1986 Oct;40(4):415–9

Intracellular acid–base and electrolyte metabolism in skeletal muscle of patients with chronic obstructive lung disease and acute respiratory failure. Fiaccadori E, et al. **Clin Sci** 1986 Dec;71(6):703–12

Evaluation of tetracycline on theophylline disposition in patients with chronic obstructive airways disease. Gotz VP, et al. **Drug Intell Clin Pharm** 1986 Sep;20(9):694–7

Hydro–saline retention in COLD patients with respiratory failure. Chiappini MG, et al. **Eur J Respir Dis [Suppl]** 1986; 146:359–65

Abnormal energy metabolism in severe chronic obstructive lung disease (COLD). Del Canale S, et al. **Eur J Respir Dis [Suppl]** 1986;146:239–43

Mucociliary clearance in obstructive lung diseases. Correlations to the immotile cilia syndrome. Mossberg B, et al. **Eur J Respir Dis [Suppl]** 1986;146:295–301

Tissue inhibitor of metalloproteinases and collagenase inhibitory activity in lung secretions from patients with chronic obstructive bronchitis: effect of corticosteroid treatment. Burnett D, et al. **Thorax** 1986 Oct;41(10):740–5

[Effects of bromhexine on levels of netilmicin in serum, saliva, bronchial secretions and bronchial tissue in patients with chronic obstructive pneumopathy] Bariffi F, et al. **G Ital Chemioter** 1986 Jan–Apr;33(1):67–70 (Eng. Abstr.) **(Ita)**

[Intracellular buffering and chronic acidotic states. Findings in hypercapnic respiratory insufficiency and renal failure] Guariglia A, et al. **Recenti Prog Med** 1986 Oct; 77(10):447–51 (Eng. Abstr.) **(Ita)**

[Analysis of the fucose and sialic acid in mucoid sputum from patients with chronic obstructive pulmonary disease] Yasuoka S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jul;24(7):735–41 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Bacteria associated with obstructive pulmonary disease elaborate extracellular products that stimulate mucin secretion by explants of guinea pig airways. Adler KB, et al. **Am J Pathol** 1986 Dec;125(3):501–14

[Tobacco mosaic virus and chronic pulmonary diseases] Frappier-Davignon L, et al. **Union Med Can** 1987 Jan; 116(1):49–52 (Eng. Abstr.) **(Fre)**

MORTALITY

Noninvasive tests for responsiveness of pulmonary hypertension to oxygen. Prediction of survival in patients with chronic obstructive lung disease and cor pulmonale. Ashutosh K, et al. **Chest** 1987 Sep;92(3):393–9

Prognosis of COPD patients after an episode of acute respiratory failure. Dardes N, et al. **Eur J Respir Dis [Suppl]** 1986;146:377–81

OCCURRENCE

Physiologic characteristics of subjects exhibiting accelerated deterioration of ventilatory function. Habib MP, et al. **Am Rev Respir Dis** 1987 Sep;136(3):638–45

Prevalence of reported sleep disturbances in a general adult population and their relationship to obstructive airways diseases. Klink M, et al. **Chest** 1987 Apr;91(4):540–6

Alpha-1-proteinase inhibitor: a European overview. Robalo-Cordeiro AJ. **Eur J Respir Dis** 1987 May; 70(5):261–5 (41 ref.)

An epidemiological study carried out (1984–1985) in Perugia on obstructive lung disease. Tantucci C, et al. **Eur J Respir Dis [Suppl]** 1986;146:69–76

Epidemiology of chronic obstructive pulmonary disease (COPD). Van der Lende R, et al. **Eur J Respir Dis [Suppl]** 1986;146:49–60

Ten years of epidemiologic investigations on man-made mineral fibers and health. Saracci R. **Scand J Work Environ Health** 1986;12 Suppl 1:5–11

[Obstructive pulmonary disease in farmers] Iversen M, et al. **Ugeskr Laeger** 1987 Jan 12;149(3):178–80 (Eng. Abstr.) **(Dan)**

[Chronic nonspecific diseases of the respiratory system in the population of the city of Zabrze. II. Effect of smoking on the incidence of chronic bronchitis and respiratory disorders] Pudelski J, et al. **Pneumonol Pol** 1987 Feb; 55(2):71–5 (Eng. Abstr.) **(Pol)**

[Diagnostic value of questionnaires in the epidemiologic study of chronic lung diseases] Shnipas PA, et al. **Probl Tuberk** 1986;(11):21–3 (Eng. Abstr.) **(Rus)**

PATHOLOGY

COPD and human diaphragm muscle dimensions. Arora NS, et al. **Chest** 1987 May;91(5):719–24

Noninvasive prediction of pulmonary hypertension in chronic obstructive pulmonary disease by Doppler echocardiography. Marchandise B, et al. **Chest** 1987 Mar; 91(3):361–5

Epidermal Langerhans cell density in patients with pulmonary malignancies and chronic obstructive pulmonary disease. Shaieb AM, et al. **J Dermatol Surg Oncol** 1987 Sep;13(9):991–6

PHYSIOPATHOLOGY

Possible interest of occlusion pressure for the assessment of the anaerobic threshold during exercise in chronic obstructive pulmonary disease. Van Meerhaeghe A, et al. **Adv Cardiol** 1986;35:146–50

Density and frequency dependence of resistance in early airway obstruction. Brochard L, et al. **Am Rev Respir Dis** 1987 Mar;135(3):579–84

The effect of exercise on pulmonary gas exchange in patients with severe chronic obstructive pulmonary disease. Dantzker DR, et al. **Am Rev Respir Dis** 1986 Dec; 134(6):1135–9

Increased in vitro histamine responses in human small airways smooth muscle from patients with chronic obstructive pulmonary disease. De Jongste JC, et al. **Am Rev Respir Dis** 1987 Mar;135(3):549–53

Mechanisms of paradoxical rib cage motion in patients with chronic obstructive pulmonary disease. Gilmartin JJ, et al. **Am Rev Respir Dis** 1986 Oct;134(4):683–7

Nutritional supplementation in ambulatory patients with chronic obstructive pulmonary disease. Lewis MI, et al. **Am Rev Respir Dis** 1987 May;135(5):1062–8

Alteration in breathing pattern with progression of chronic obstructive pulmonary disease. Loveridge B, et al. **Am Rev Respir Dis** 1986 Nov;134(5):930–4

Comparison of clinical dyspnea ratings and psychophysical measurements of respiratory sensation in obstructive airway disease. Mahler DA, et al. **Am Rev Respir Dis** 1987 Jun; 135(6):1229–33

Effect of dynamic airway compression on breathing pattern and respiratory sensation in severe chronic obstructive pulmonary disease. O'Donnell DE, et al. **Am Rev Respir Dis** 1987 Apr;135(4):912–8

Expiratory resistive loading in patients with severe chronic air-flow limitation. An evaluation of ventilatory mechanics and compensatory responses. O'Donnell DE, et al. **Am Rev Respir Dis** 1987 Jul;136(1):102–7

Body weight and respiratory muscle function in chronic obstructive pulmonary disease [editorial] Rochester DF. **Am Rev Respir Dis** 1986 Oct;134(4):646–8

Airway occlusion pressure. An important indicator for successful weaning in patients with chronic obstructive pulmonary disease. Sassoon CS, et al. **Am Rev Respir Dis** 1987 Jan;135(1):107–13

The respiratory muscles in chronic obstructive pulmonary disease. Sharp JT. **Am Rev Respir Dis** 1986 Nov; 134(5):1089–91

Respiratory physiology. Sparrow D, et al. **Ann Rev Gerontol Geriatr** 1986;6:197–214 (57 ref.)

Chronic obstructive lung disease. Musk AW. **Aust Fam Physician** 1987 May;16(5):589, 593, 595

The effect of inspiratory resistive training on exercise capacity in optimally treated patients with severe chronic airflow limitation. McKeon JL, et al. **Aust NZ J Med** 1986 Oct;16(5):648–52

Respiratory diseases in wood workers. Carosso A, et al. **Br J Ind Med** 1987 Jan;44(1):53–6

Alveolar efficiency for CO2 in normal people and patients with chronic obstructive lung disease. Bradley GW, et al. **Bull Eur Physiopathol Respir** 1986 Sep–Oct;22(5):437–41

Bronchomotor tone and the slope of phase III of the N2-test. Olofsson J, et al. **Bull Eur Physiopathol Respir** 1986 Sep–Oct;22(5):489–94

Role of the mechanical impairment on the ventilatory response to CO2 in chronic airway obstruction. Plotkowski LM, et al. **Bull Eur Physiopathol Respir** 1987 Jan–Feb; 23(1):51–6

Airway anaesthesia and breathing pattern during exercise in normal subjects and in eucapnic patients with chronic airflow obstruction. Van Meerhaeghe A, et al. **Bull Eur Physiopathol Respir** 1986 Jul–Aug;22(4):381–5

Measurement of right ventricular ejection fraction with krypton-81m in chronic obstructive pulmonary disease. Wolf JE, et al. **Bull Eur Physiopathol Respir** 1986 Nov–Dec;22(6):539–44

Hemodynamic and oxygen delivery responses to nifedipine in pulmonary hypertension secondary to chronic obstructive lung disease. Saadjian A, et al. **Cardiology** 1987; 74(3):196–204

Resistive breathing training in patients with chronic obstructive pulmonary disease. Belman MJ, et al. **Chest** 1986 Nov;90(5):662–9

The effect of aminophylline on cerebral blood flow in patients with chronic obstructive pulmonary disease. Bowton DL, et al. **Chest** 1987 Jun;91(6):874–7

Reduction in pulmonary hypertension and in airway resistances by enoximone (MDL 17,043) in decompensated COPD. Leeman M, et al. **Chest** 1987 May;91(5):662–6

Airway hyperreactivity in COPD. Cause or effect, an in vivo in vitro comparison. Paré PD, et al. **Chest** 1987 May;91(5 Suppl):40S–44S

The effect of sleep loss on breathing in chronic obstructive pulmonary disease. Phillips BA, et al. **Chest** 1987 Jan; 91(1):29–32

Diaphragmatic fatigue and breathing pattern during weaning from mechanical ventilation in COPD patients. Pourriat JL, et al. **Chest** 1986 Nov;90(5):703–7

Action of almitrine bismesylate on ventilation–perfusion matching in cats and dogs with part of the lung hypoventilated. Wach RA, et al. **Clin Exp Pharmacol Physiol** 1986 Jun;13(6):453–67

Respiratory airflow pattern in patients with chronic airway obstruction. Minetti AE, et al. **Clin Physiol** 1987 Aug; 7(4):283–95

Effect of right ventricular hypertrophy on cardiac performance and the relation between right ventricular systolic peak pressure and end-systolic volume. Seibold H, et al. **Clin Physiol Biochem** 1987;5(1):27–37

Arterial oxygen saturation and breathlessness in patients with chronic obstructive airways disease. Lane R, et al. **Clin Sci** 1987 Jun;72(6):693–8

Time series analyses of respiratory responses to indoor and outdoor environmental phenomena. Lebowitz MD, et al. **Environ Res** 1987 Aug;43(2):332–41

Cardiovascular changes during isometric and dynamic exercise in chronic lung disease. Schrijen F, et al. **Eur J Respir Dis** 1987 Apr;70(4):199–204

Effects of clenbuterol on pulmonary circulation and on oxygen delivery in chronic airflow obstruction. Bertoli L, et al. **Eur J Respir Dis [Suppl]** 1986;146:503–10

Twelve-minute walking test in a group of Dutch patients with chronic obstructive pulmonary diseases; relationship with functional capacity. Dekhuyzen PN, et al. **Eur J Respir Dis [Suppl]** 1986;146:259–64

The effects of almitrine at rest and on exercise in COPD patients. Feist H. **Eur J Respir Dis [Suppl]** 1986;146:651–5

Compared effects of ATP vs adenosine on pulmonary circulation of COPD. Gaba S, et al. **Eur J Respir Dis [Suppl]** 1986;146:515–22

Is there a correlation between the changes in the BAL fluid and cells in smokers and COLD patients and the lung function? Huidekoper HJ, et al. **Eur J Respir Dis [Suppl]** 1986;146:233–8

Effects of 2 and 4 l/min oxygen breathing on pulmonary artery pressure, blood gases and sleep stages in patients with chronic obstructive lung disease. Rühle KH, et al. **Eur J Respir Dis [Suppl]** 1986;146:443–9

The breathing pattern in dyspnoic patients with different cardiopulmonary disorders. Ruschi S, et al. **Eur J Respir Dis [Suppl]** 1986;146:389–96

Body plethysmographic diagnosis of bronchial obstruction. Kirin I, et al. **Folia Med (Plovdiv)** 1986;28(1):33–6

Estimation of mechanical parameters in multicompartment models applied to normal and obstructed lungs during tidal breathing. Lutchen KR, et al. **IEEE Trans Biomed Eng** 1986 Sep;33(9):878–87

Gastric acid state and gastroduodenal changes in chronic obstructive pulmonary disease. Singhal SK, et al. **Indian J Gastroenterol** 1987 Apr;6(2):77–9

The assessment of gas exchange by automated analysis of

O2 and CO2 alveolar to arterial differences. Paoletti P, et al. **Int J Clin Monit Comput** 1986;3(2):89–97

Effect of nifedipine on salbutamol–induced bronchodilation in partially reversible airway obstruction. Rolla G, et al. **Int J Clin Pharmacol Res** 1986;6(5):409–13

Theophylline improves global cardiac function and reduces dyspnea in chronic obstructive lung disease. Matthay RA, et al. **J Allergy Clin Immunol** 1986 Oct;78(4 Pt 2):793–9 (33 ref.)

Right ventricular dysfunction and the exercise limitation of chronic obstructive pulmonary disease. Morrison DA, et al. **J Am Coll Cardiol** 1987 Jun;9(6):1219–29

Ventilatory muscle recruitment in exercise with O2 in obstructed patients with mild hypoxemia. Criner GJ, et al. **J Appl Physiol** 1987 Jul;63(1):195–200

Variable site of airway narrowing among obstructive sleep apnea patients. Hudgel DW. **J Appl Physiol** 1986 Oct; 61(4):1403–9

Reproducibility of ventilatory measurements during sleep on different nights in patients with chronic obstructive pulmonary disease. Gothe B, et al. **J Lab Clin Med** 1987 May;109(5):608–16

A clinical, EEG and CT study in 21 cases of chronic respiratory failure. Manni R, et al. **J Neurol** 1987 Feb; 234(2):83–5

Doxapram on blunted respiratory chemosensitivity to hypoxia in hypoxemic, chronic obstructive pulmonary disease. Yoshikawa T, et al. **Jpn J Med** 1987 May; 26(2):194–202

Assessment of airflow obstruction [editorial] **Lancet** 1986 Nov 29;2(8518):1255–6

Lack of effect of nifedipine and pulmonary hypertension in a group of COPD decompensated patients. Raimondi GA, et al. **Medicina (B Aires)** 1986;46(3):311–9

Bronchial hyperreactivity. An overview. Postma DS, et al. **Neth J Med** 1986;29(11):334–41

Ineffective breathing pattern related to airflow limitation. Lareau S, et al. **Nurs Clin North Am** 1987 Mar;22(1):179–91

Reliability of maximal inspiratory pressure. Larson JL, et al. **Nurs Res** 1987 Sep–Oct;36(5):317–9

Action of tulobuterol and fenoterol on the mucociliary clearance. Matthys H, et al. **Respiration** 1987;51(2):105–12

Functional aspects of reversible airway obstruction. Santolicandro A, et al. **Respiration** 1986;50 Suppl 2:65–71

Role of the parasympathetic cholinergic system in normal and obstructed airways. Widdicombe JG. **Respiration** 1986; 50 Suppl 2:1–8

The effect of excessive ethanol ingestion on sleep in severe chronic obstructive pulmonary disease. Easton PA, et al. **Sleep** 1987 Jun;10(3):224–33

Oxygenation and breathing pattern during phasic and tonic REM in patients with chronic obstructive pulmonary disease. George CF, et al. **Sleep** 1987 Jun;10(3):234–43

Hypercapnia and sleep O2 desaturation in chronic obstructive pulmonary disease. Perez–Padilla R, et al. **Sleep** 1987 Jun; 10(3):216–23

Value of serial peak expiratory flow measurements in assessing treatment response in chronic airflow limitation. Mitchell DM, et al. **Thorax** 1986 Aug;41(8):606–10

Evaluation of diaphragmatic contractility in patients with chronic obstructive lung diseases. Schelkunov VS, et al. **Z Erkr Atmungsorgane** 1986;167(1–2):74–8

[The measurement of mouth occlusion pressure in patients with chronic obstructive pulmonary disease] Wang J. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Oct;9(5):282–5, 318–9 (Eng. Abstr.) **(Chi)**

[Hemodynamic monitoring of the volume overload test in 66 cases] Fei YJ. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Dec; 14(6):343–5 **(Chi)**

[Evaluation of the performance of 2 mini–flow meters] Teculescu DB, et al. **Rev Mal Respir** 1987;4(3):121–5 (Eng. Abstr.) **(Fre)**

[Adrenergic receptors of the bronchoalveolar system in the obstructive syndrome] Remacle P, et al. **Rev Pneumol Clin** 1987;43(2):69–74 (Eng. Abstr.) **(Fre)**

[Relation between respiratory function, bronchial reactivity and symptoms in heavy smokers] Vincent A, et al. **Schweiz Med Wochenschr** 1986 Sep 13;116(37):1275–80 (Eng. Abstr.) **(Fre)**

[The cholinergic component of airway obstruction] Ulmer WT, et al. **Fortschr Med** 1987 Jan 30;105(3):43–7 (Eng. Abstr.) **(Ger)**

[Effect of various beta blockers on intraocular pressure and ventilation] Bleckmann H, et al. **Fortschr Ophthalmol** 1986; 83(5):567–9 (Eng. Abstr.) **(Ger)**

[Mucociliary transport in obstructive lung disease] Lieberman D, et al. **Harefuah** 1987 Apr 1;112(7):338–41 (40 ref.) **(Heb)**

[Prognostic aspects in chronic obstructive pulmonary disease (COPD)] Lieberman D, et al. **Harefuah** 1987 May 15; 112(10):500–3 (34 ref.) **(Heb)**

[Effect of lysine stepronin salts on mucociliary clearance] Olivieri D, et al. **Arch Monaldi** 1985 Sep–Dec; 40(5–6):211–7 **(Ita)**

[Aspecific bronchial reactivity during pharmacologic treatment of arterial hypertension] Bianco C, et al. **Minerva Med** 1987 Mar 15;78(5):329–32 (Eng. Abstr.) **(Ita)**

[Exercise tolerance in mitral stenosis and chronic obstructive pulmonary disease: evaluation by anaerobic threshold and radionuclide ventriculography] Uenami A, et al. **J Cardiogr** 1986 Jun;16(2):301–8 (Eng. Abstr.) **(Jpn)**

[Basic and clinical aspects of the ventilatory response to exercise] Hida W, et al. **Kokyu To Junkan** 1987 May; 35(5):493–500 **(Jpn)**

[Effects of nifedipine on gas exchange in patients with chronic lung disease] Tatsumi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 May; 24(5):479–85 (Eng. Abstr.) **(Jpn)**

[The first night effect in cases of chronic obstructive pulmonary disease] Tatsumi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jul;24(7):779–84 (Eng. Abstr.) **(Jpn)**

[Effect of oxygen on the regional distribution of ventilation–perfusion in the lung and the right ventricular ejection fraction—assesment using Xe–133 and Kr–81m] Uchida K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Sep;24(9):985–90 (Eng. Abstr.) **(Jpn)**

[Chronic obstructive pulmonary diseases in the elderly] Umeda H, et al. **Nippon Ronen Igakkai Zasshi** 1986 Jul; 23(4):382–4 **(Jpn)**

[The respiratory muscles and their role in lung diseases] Walczak J. **Pneumonol Pol** 1987 Mar;55(3):129–34 (20 ref.) **(Pol)**

[Left ventricular function of patients with chronic nonspecific lung diseases] Bart BIa, et al. **Kardiologiia** 1987 Mar;27(3):66–9 (Eng. Abstr.) **(Rus)**

[Status of pulmonary microcirculation in chronic nonspecific lung diseases] Kuzubova NA, et al. **Klin Med (Mosk)** 1986 Dec;64(12):82–5 (Eng. Abstr.) **(Rus)**

[Case reports of chronic obstructive lung disease in workers working in the manufacture of primary aluminum] Marelja J. **Arh Hig Rada Toksikol** 1986 Sep;37(3):329–35 (Eng. Abstr.) **(Scr)**

[Treatment of hematosis disorders in chronic obstructive bronchitis with almitrine bismesylate] González Montaner LJ. **Medicina (B Aires)** 1986;46(6):739–41 **(Spa)**

PREVENTION & CONTROL

Trimethoprim prophylaxis of acute exacerbations in chronic obstructive pulmonary diseases. Liippo K, et al. **Acta Med Scand** 1987;221(5):455–9

The "horse–racing effect" and predicting decline in forced expiratory volume in one second from screening spirometry. Burrows B, et al. **Am Rev Respir Dis** 1987 Apr; 135(4):788–93

Prediction of airway reactivity from responses to a standardized respiratory symptom questionnaire. Dales RE, et al. **Am Rev Respir Dis** 1987 Apr;135(4):817–21

Prevention of airway obstruction. Ulmer WT. **Eur J Respir Dis [Suppl]** 1986;146:109–15

Protective effect of Duovent versus salbutamol in long–term treatment. Aquilina R, et al. **Respiration** 1986;50 Suppl 2:240–4

[Detection of patients with chronic nonspecific diseases of the lungs during mass examinations of workers at machine–building factories] Kulachovskiĭ IuV, et al. **Probl Tuberk** 1986;(11):18–21 (Eng. Abstr.) **(Rus)**

[Ambulatory mass screening for preventing and improving the outcome of acute pneumonia in military personnel] Kliachkin LM, et al. **Voen Med Zh** 1987 Feb;(2):18–21 **(Rus)**

PSYCHOLOGY

Identifying children at high somatic risk: possible long–term effects on the parents' relationship to the child. McNeil TF, et al. **Acta Psychiatr Scand** 1986 Oct;74(4):347–52

Identifying children at high somatic risk: possible long–term effects on the parents' attitudes and feelings associated with the child. McNeil TF, et al. **Acta Psychiatr Scand** 1986 Oct;74(4):341–6

Psychosocial issues in chronic obstructive pulmonary disease. Sandhu HS. **Clin Chest Med** 1986 Dec;7(4):629–42 (81 ref.)

Comparative study of adjustment patterns of chronic obstructive pulmonary disease patients and peripheral vascular disease patients. Foxall MJ, et al. **Heart Lung** 1987 Jul;16(4):354–63

Psychiatric morbidity in patients with chronic airflow obstruction. Yellowlees PM, et al. **Med J Aust** 1987 Mar 16;146(6):305–7

RADIOGRAPHY

Conventional chest films can reveal emphysema, but not COPD [editorial] Pratt PC. **Chest** 1987 Jul;92(1):8

Medical imaging in chronic obstructive pulmonary disease. **J Thorac Imaging** 1986 Mar;1(2):1–108

Radiology of the airways with emphasis on the small airways. Friedman PJ. **J Thorac Imaging** 1986 Mar;1(2):7–22 (58 ref.)

Computed tomography based estimates of regional gas and tissue volume of the lung in supine subjects with chronic airflow limitation or fibrosing alveolitis. Millar AB, et al. **Thorax** 1986 Dec;41(12):932–9

Value of computed tomography for selecting patients with bullous lung disease for surgery. Morgan MD, et al. **Thorax** 1986 Nov;41(11):855–62

[Changes in the structure of pulmonary blood vessels and bronchi in progressive bronchial stenosis] Sachek MG, et al. **Grudn Khir** 1986 Sep–Oct;(5):39–43 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Current status of nuclear medicine in chronic airflow limitation. Clarke SW, et al. **Eur J Nucl Med** 1987;13 Suppl:S20–3

Gastric xenon trapping mimicking COPD: recognition using an effervescent agent. Wahl RL. **Eur J Nucl Med** 1986; 12(3):155–7

Tracers for aerosol ventilation scintigraphy: Tc–99m versus In–113m. Wollmer P, et al. **Eur J Nucl Med** 1987; 13(3):155–8

Medical imaging in chronic obstructive pulmonary disease. **J Thorac Imaging** 1986 Mar;1(2):1–108

99mTc–DTPA aerosol deposition and clearance in COPD, interstitial disease, and smokers. Effros RM, et al. **J Thorac Imaging** 1986 Mar;1(2):54–60 (39 ref.)

Imaging of ventilation in chronic obstructive pulmonary disease. Santolicandro A, et al. **J Thorac Imaging** 1986 Mar; 1(2):36–53 (42 ref.)

[Diagnostic use of radioactive aerosols in pulmonology] Matthys H. **Nuklearmedizin** 1986 Aug;25(4):142–6 (24 ref.) **(Ger)**

[Contractility parameters of the right heart in patients with chronic obstructive lung diseases without pulmonary hypertension] Nahrendorf W, et al. **Z Gesamte Inn Med** 1987 Jul 1;42(13):354–9 (Eng. Abstr.) **(Ger)**

REHABILITATION

Cruising with COPD. Burns MR. **Am J Nurs** 1987 Apr; 87(4):479–82

Pulmonary rehabilitation. **Clin Chest Med** 1986 Dec; 7(4):519–691

Pulmonary rehabilitation. Patient and family education. Gilmartin ME. **Clin Chest Med** 1986 Dec;7(4):619–27

Organization of a pulmonary rehabilitation program. Hodgkin JE. **Clin Chest Med** 1986 Dec;7(4):541–9

Pulmonary rehabilitation: myth or reality? Make BJ. **Clin Chest Med** 1986 Dec;7(4):519–40 (154 ref.)

Exercise, diet, and the rehabilitation of lung patients. Goldstein SA, et al. **Curr Concepts Nutr** 1986;15:183–201 (65 ref.)

Method for individualizing patient care for chronic obstructive pulmonary disease patients. Clough P, et al. **Health Soc Work** 1987 Spring;12(2):127–33

Pulmonary rehabilitation for COPD patients. Make BJ, et al. **Hosp Pract [Off]** 1987 Jan 30;22(1A):26–7, 31–4

Speleotherapy: a special kind of climatotherapy, its role in respiratory rehabilitation. Horvath T. **Int Rehabil Med** 1986;8(2):90–2

Respiratory teaching of patients: how effective is it? Howard JE, et al. **J Adv Nurs** 1987 Mar;12(2):207–14

Rehabilitation of patients with chronic obstructive lung disease. Schlozman DL. **Pneumonol Pol** 1986 Jun; 54(6):217–21

[Health management—physical therapy in chronic nonspecific airway diseases. Prevention and rehabilitation] Feldner H. **Wien Med Wochenschr** 1986 Dec 31; 136(23–24):630–2 (Eng. Abstr.) **(Ger)**

[Exercise training and respiratory muscle training COPD (chronic obstructive pulmonary disease) (editorial)] Lieberman D, et al. **Harefuah** 1986 Aug;111(3–4):104–5 **(Heb)**

[Methods of respiratory rehabilitation in patients with chronic obstructive lung diseases] Kościńska M. **Pneumonol Pol** 1986 Jun;54(6):260–5 (30 ref.) **(Pol)**

[Dynamics of the indicators of roentgenopneumopolygraphy in the physical rehabilitation of pulmonologic patients] Klapchuk VV. **Probl Tuberk** 1987;(2):35–8 (Eng. Abstr.) **(Rus)**

[Motor regimen of patients with chronic nonspecific diseases of the lungs during the ambulatory stage of treatment] Dzhuraev AD, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Nov–Dec; (6):52–3 **(Rus)**

[Incorporation of the elements of job–related training into the sanatorium and health resort treatment of patients with chronic nonspecific lung diseases] Klapchuk VV. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Mar–Apr; (2):49–52 **(Rus)**

SURGERY

[Value of respiratory function tests in surgery of the lungs in children] Ivanov AIu, et al. **Grudn Khir** 1987 Jan–Feb; (1):56–60 (Eng. Abstr.) **(Rus)**

THERAPY

Effects of intermittent negative pressure ventilation on respiratory muscle function in patients with severe chronic obstructive pulmonary disease. Cropp A, et al. **Am Rev Respir Dis** 1987 May;135(5):1056–61

Effects of removing oxygen from patients with chronic obstructive pulmonary disease. Selinger SR, et al. **Am Rev Respir Dis** 1987 Jul;136(1):85–91

Effects of the administration of O2 on ventilation and blood gases in patients with chronic obstructive pulmonary disease during acute respiratory failure [letter] Stradling J. **Am Rev Respir Dis** 1987 Jan;135(1):274

Management of difficult airway problems with percutaneous transtracheal ventilation. Weymuller EA Jr, et al. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb;96(1 Pt 1):34–7

Controlled trial of respiratory health worker visiting patients

with chronic respiratory disability. Cockcroft A, et al. **Br Med J** 1987 Jan 24;294(6566):225–8

Oxygen conservation and oxygen-conserving devices in chronic lung disease. A review. Tiep BL, et al. **Chest** 1987 Aug;92(2):263–72

Home oxygen therapy in chronic obstructive pulmonary disease. Anthonisen NR. **Clin Chest Med** 1986 Dec; 7(4):673–8

Exercise in chronic obstructive pulmonary disease. Belman MJ. **Clin Chest Med** 1986 Dec;7(4):585–97 (76 ref.)

Pulmonary rehabilitation—physical modalities. Faling LJ. **Clin Chest Med** 1986 Dec;7(4):599–618 (80 ref.)

Rehabilitation and home care for ventilator-assisted individuals. Make BJ, et al. **Clin Chest Med** 1986 Dec; 7(4):679–91 (71 ref.)

Therapy for chronic obstructive lung disease. Kasik JE. **Compr Ther** 1987 Jul;13(7):49–59

Long-term oxygen therapy vs. IPPB therapy in patients with COLD and respiratory insufficiency: survival and pulmonary hemodynamics. Klein G, et al. **Eur J Respir Dis [Suppl]** 1986;146:409–15

Compliance of COPD patients with long term oxygen therapy. Vergeret J, et al. **Eur J Respir Dis [Suppl]** 1986; 146:421–5

Controlled trial of acupuncture for disabling breathlessness. Jobst K, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1416–9

Domiciliary oxygen: the cost-benefit dilemma [editorial] Alpers JH. **Med J Aust** 1987 Jan 19;146(2):62–3

Domiciliary oxygen: rationalization of supply in the Hunter region from 1982–1986. McKeon JL, et al. **Med J Aust** 1987 Jan 19;146(2):73–8

Current concepts of oxygen therapy in COPD. Karetzky MS. **NJ Med** 1986 Sep;83(9):587–90

Short burst oxygen treatment for breathlessness in chronic obstructive airways disease. Evans TW, et al. **Thorax** 1986 Aug;41(8):611–5

Effect of manual percussion on tracheobronchial clearance in patients with chronic airflow obstruction and excessive tracheobronchial secretion. van der Schans CP, et al. **Thorax** 1986 Jun;41(6):448–52

Long term home oxygen therapy in chronic respiratory care—a Belgian experience in management. Prignot J, et al. **Z Erkr Atmungsorgane** 1987;168(1):29–36

[CARA therapy is made to order] Sluiter HJ. **Ned Tijdschr Geneeskd** 1986 Dec 13;130(50):2249–51 **(Dut)**

[Possibilities and impossibilities in the treatment of young children with CARA] van Aalderen WM, et al. **Ned Tijdschr Geneeskd** 1986 Dec 27;130(52):2337–40 **(Dut)**

[Role of physiotherapy in obstructive pulmonary disorders] Helfer M. **Rev Med Suisse Romande** 1987 Apr;107(4):335–8 **(Fre)**

[Long-term oxygen therapy in chronic obstructive disorders of ventilation] Rühle KH, et al. **Med Klin** 1986 Apr 25; 81(9):311–5 **(Ger)**

[Long-term oxygen therapy at home—technical aspects of oxygen production, administration and acceptance by patients with chronic respiratory insufficiency] Wisthal B, et al. **Prax Klin Pneumol** 1986 Nov;40(11):429–37 **(Ger)**

[Home oxygen therapy in chronic obstructive pulmonary disease] Lieberman D, et al. **Harefuah** 1986 May 1; 110(9):466–8 (18 ref.) **(Heb)**

[Indications of chromic oxygen therapy] Sawada M, et al. **Kokyu To Junkan** 1987 Jun;35(6):617–22 (9 ref.) **(Jpn)**

[Effectiveness of antituberculosis institutions in delivering care to pulmonologic patients] Kostenko AD, et al. **Probl Tuberk** 1986;(11):16–8 (Eng. Abstr.) **(Rus)**

[Endobronchial use of silver ions with low-frequency ultrasound in chronic nonspecific diseases of the lungs] Kabanov AN, et al. **Sov Med** 1986;(11):66–9 **(Rus)**

[Effect of the climate of the Anapa health resort on the effectiveness of treatment of chronic aspecific lung diseases in adolescents] Kholopov AP, et al. **Ter Arkh** 1987; 59(4):112–5 (Eng. Abstr.) **(Rus)**

[Analysis of combined therapy in exacerbation of chronic obstructive pulmonary disease] Remškar Z, et al. **Plucne Bolesti** 1986 Jan–Mar;38(1):12–5 (Eng. Abstr.) **(Scr)**

VETERINARY

Elastase-producing microorganisms in horse lungs: their possible role in the pathogenesis of chronic pulmonary disease in the horse. Grünig G, et al. **Equine Vet J** 1986 Sep;18(5):396–400

[Ultrastructural alterations in Clara cells in horses with chronic obstructive lung diseases] Drommer W, et al. **DTW** 1987 Feb 9;94(2):63–7 (Eng. Abstr.) **(Ger)**

[Examination and treatment of respiratory tract diseases in the horse in clinical practice] Breuer D. **Tierarztl Prax** 1987;Suppl 2:15–20 (Eng. Abstr.) **(Ger)**

[Pathomorphology of chronic obstructive lung disease in the horse] Geisel O, et al. **Tierarztl Prax** 1987;Suppl 2:52–6 (Eng. Abstr.) **(Ger)**

[Management of chronic obstructive lung diseases] Kraft W, et al. **Tierarztl Prax** 1987;Suppl 2:24–32 (Eng. Abstr.) **(Ger)**

LUNG DISEASES, PARASITIC

Modulation of Schistosoma japonicum pulmonary egg granulomas with monoclonal antibodies. Sidner RA, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):361–70

[Pulmonary bilharziasis caused by Schistosoma mansoni with impairment of general state] Basset D, et al. **Med Trop (Mars)** 1986 Oct–Dec;46(4):405–8 (Eng. Abstr.) **(Fre)**

[Pulmonary parasitosis] Larbaoui D. **Tunis Med** 1986 Oct; 64(10):791–802 (29 ref.) (Eng. Abstr.) **(Fre)**

[The pulmonary picture of toxoplasmosis—a case report] Benčić D, et al. **Plucne Bolesti** 1986 Jul–Dec;38(3–4):256–7 (Eng. Abstr.) **(Scr)**

COMPLICATIONS

[A case of Paragonimus westermani infection with repeated spontaneous pneumothorax and cerebellar infarction—a review of the clinical feature in cases of paragonimiasis reported in Japan for the last 15 years] Suzuki Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan; 25(1):119–24 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Serodiagnosis of dirofilarial infection [letter] Davey RT Jr, et al. **Ann Intern Med** 1987 Sep;107(3):430–1

Human pulmonary dirofilarial infection [letter] Farber HW, et al. **Ann Intern Med** 1987 May;106(5):777–8

Parasitic pulmonary diseases. Shankar PS. **Q Med Rev** 1986 Oct;37(4):1–46

Pulmonary toxoplasmoma presenting as obstructive pneumonia. Monsó E, et al. **Thorax** 1986 Jun;41(6):489–90

Pulmonary paragonimiasis: clinical features, diagnosis and treatment of 39 cases in Manipur. Singh TS, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):967–71

[Toxoplasma gondii pneumopathy in a patient with the acquired immunodeficiency syndrome: demonstration of the parasite by bronchioloalveolar lavage] Touboul JL, et al. **Rev Pneumol Clin** 1986;42(3):150–2 (Eng. Abstr.) **(Fre)**

[A human case of pulmonary dirofilariasis suspected to be lung cancer] Makiya K, et al. **Sangyo Ika Daigaku Zasshi** 1987 Jun 1;9(2):227–32 (Eng. Abstr.) **(Jpn)**

[A case of lung disease caused by Trichomonas intestinalis] Polivoda NG, et al. **Vrach Delo** 1987 Feb;(2):33 **(Rus)**

ETIOLOGY

[Recurrent pleuropulmonary diseases and taeniasis] Berthiot G, et al. **Rev Pneumol Clin** 1987;43(2):112–3 **(Fre)**

OCCURRENCE

[Cysticercosis in Madagascar (apropos of unusual bronchial localization)] Coulanges P, et al. **Arch Inst Pasteur Madagascar** 1986;52(1):53–68 **(Fre)**

[Fifty-six cases of human dirofilariasis reported in Japan—a complied table] Makiya K, et al. **Sangyo Ika Daigaku Zasshi** 1987 Jun 1;9(2):233–42 (85 ref.) (Eng. Abstr.) **(Jpn)**

PARASITOLOGY

A human infection with Paragonimus kellicotti (lung fluke) in the United States. Mariano EG, et al. **Am J Clin Pathol** 1986 Nov;86(5):685–7

RADIOGRAPHY

Pulmonary dirofilariasis in humans—pneumonitis that evolved to a lung nodule. Smith LS, et al. **West J Med** 1986 Oct;145(4):516–9

[A resected case of pulmonary dirofilariasis detected on the x-ray as a coin lesion] Namikawa S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Aug; 24(8):914–7 (Eng. Abstr.) **(Jpn)**

VETERINARY

Ultrastructural and microprobe analysis of simian lung mite pigments. Kim JC, et al. **Am J Vet Res** 1987 Mar; 48(3):511–4

Oslerus (Filaroides) osleri in a dog. Barr SC, et al. **Aust Vet J** 1986 Oct;63(10):334–7

Anthelmintics for ruminants. Bogan J, et al. **Int J Parasitol** 1987 Feb;17(2):483–91 (31 ref.)

Evaluation of fenbendazole for larvacidal effect in experimentally induced Parascaris equorum infections in pony foals. Vandermyde CR, et al. **J Am Vet Med Assoc** 1987 Jun 15;190(12):1548–9

Infection of roe-deer in France by the lung nematode, Dictyocaulus eckerti Skrjabin, 1931 (Trichostrongyloidea): influence of environmental factors and host density. Hugonnet L, et al. **J Wildl Dis** 1987 Jan;23(1):109–12

Experimental infections of free-ranging Rocky Mountain bighorn sheep with lungworms (Protostrongylus spp.; Nematoda: Protostrongylidae). Samson J, et al. **J Wildl Dis** 1987 Jul;23(3):396–403

Serum lactate dehydrogenase: clinical significance of alterations in its activity in lambs infected with Dictyocaulus filaria. Bhat TK, et al. **Res Vet Sci** 1987 Jan; 42(1):127–9

Relationship between cytologic changes in bronchoalveolar lavage fluid and weight gain in calves with gastrointestinal nematodes and lungworms. Boon JH, et al. **Vet Parasitol** 1987 May;24(3–4):251–61

Control of parasitic bronchitis and gastroenteritis in grazing cattle by strategic prophylaxis with ivermectin. Armour J, et al. **Vet Rec** 1987 Jul 4;121(1):5–8

Prevalence of nematode parasites in wild fallow deer (Dama dama). Batty AF, et al. **Vet Rec** 1987 Jun 20;120(25):599

Comparison of vaccination and ivermectin treatment in the prevention of bovine lungworm. Taylor SM, et al. **Vet Rec** 1986 Oct 11;119(15):370–2

[Species composition and the extensiveness of invasion of deer by nematoda of the family Protostrongylidae at selected hunting grounds] Demiaszkiewicz AW. **Wiad Parazytol** 1987;33(1):57–62 (Eng. Abstr.) **(Pol)**

[Biology of pulmonary nematoda of the genus Metastrongylus] Rusek G. **Wiad Parazytol** 1987;33(1):53–6 (Eng. Abstr.) **(Pol)**

LUNG NEOPLASMS

Surgical treatment of brain metastasis in lung cancer [letter] McCabe JS. **Ann Thorac Surg** 1987 Jul;44(1):104

Rationale for surgical treatment of brain metastasis in non-small cell lung cancer [editorial] Martini N. **Ann Thorac Surg** 1986 Oct;42(4):357–8

Joint meeting of the British and European Associations for Cancer Research and the Royal Society of Medicine (Section of Oncology). November 3–5, 1986, London. Abstracts. **Br J Cancer** 1987 Mar;55(3):331–49

29th Aspen Lung Conference: molecular and cellular biology of the lung. June 11–14, 1986. **Chest** 1987 Mar;91(3 Suppl):1S–33S

Technetium-99m MDP scintigraphy. An insensitive tool for the detection of bone marrow metastases. Gulenchyn KY, et al. **Clin Nucl Med** 1987 Jan;12(1):45–6

Vascular neck lesion from bronchogenic carcinoma. Slavin JD Jr, et al. **Clin Nucl Med** 1987 Jan;12(1):65

Update on lung cancer. Mehta AC, et al. **Compr Ther** 1987 Mar;13(3):6–10

Non-small cell lung cancer. Haskell CM, et al. **Curr Probl Cancer** 1987 Jan–Feb;11(1):1–53 (159 ref.)

Small cell lung cancer. 27th annual meeting of the Netherlands Federation of Medical Societies. Groningen, April 4, 1986. Proceedings. **Eur J Respir Dis [Suppl]** 1987; 149:1–71

Prolonged survival (more than 3 years) in a case of small cell carcinoma of the lung. Behera D, et al. **Indian J Chest Dis Allied Sci** 1985 Oct–Dec;27(4):247–9

32-year-old man with nausea, vomiting and metastatic adenocarcinoma [clinical conference] Crabb D, et al. **Indiana Med** 1986 Nov;79(11):981–8

The risk of intradural spinal metastases in patients with brain metastases from bronchogenic carcinomas. Mirimanoff RO, et al. **Int J Radiat Oncol Biol Phys** 1986 Dec;12(12):2131–6

Detection of liver metastases in small-cell lung cancer: a comparison of peritoneoscopy with liver biopsy and ultrasonography with fine-needle aspiration. Hansen SW, et al. **J Clin Oncol** 1987 Feb;5(2):255–9

Carcinoid tumors of the lung. Carter HR, et al. **J Ky Med Assoc** 1987 Mar;85(3):130–3

Metastatic adenocarcinoma of the lung complicating pregnancy. A case report. Suda R, et al. **J Reprod Med** 1986 Dec;31(12):1113–6

Bladder outlet obstruction by so-called lymphomatoid granulomatosis (angiocentric lymphoma). Feinberg SM, et al. **J Urol** 1987 May;137(5):989–90

Workshop on small cell lung cancer: biology, pathology and therapy. Tokyo, June 28, 1986. **Jpn J Clin Oncol** 1986 Sep; 16(3):191–315

The 4th World Congress for Bronchology—III. Rome, June 10–13, 1984. Proceedings. **Panminerva Med** 1986 Oct–Dec; 28(4):307–418

Cutaneous and subcutaneous metastases of lung cancer. Clinical characteristics. Dreizen S, et al. **Postgrad Med** 1986 Dec;80(8):111–6

Primary bronchopulmonary malignant melanoma. Case report. Santos F, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(2):187–9

Topics in lung pathology. **Semin Diagn Pathol** 1985 Nov; 2(4):225–95

Squamous cell carcinoma of the lung: an update. Carter D. **Semin Diagn Pathol** 1985 Nov;2(4):226–34 (40 ref.)

Pulmonary teratoma. Walrond ER, et al. **West Indian Med J** 1987 Mar;36(1):39–42

[Pericardial metastases in lung cancer. A report of 10 cases] Hu FD, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Dec; 25(12):741–2, 776–7 (Eng. Abstr.) **(Chi)**

[Incidence of tonsillectomy in patients with malignant lung neoplasms] Janisch R, et al. **Cesk Otolaryngol** 1987 Mar; 36(2):78–81 (Eng. Abstr.) **(Cze)**

[Metastatic cancers of the thyroid gland. Diagnostic difficulties] Rigaud C, et al. **Bull Cancer (Paris)** 1987; 74(2):117–27 (Eng. Abstr.) **(Fre)**

[Primary lymphoid disorders of the lung] Shachor Y, et al. **Harefuah** 1986 Jun 1;110(11):573–5 (24 ref.) **(Heb)**

[A case of isolated metastasis of pulmonary carcinoma to the small intestine] Tridico F, et al. **Minerva Chir** 1986 Nov 15;41(21):1841–5 (Eng. Abstr.) **(Ita)**

[Therapeutic cranial irradiation in patients with metastatic brain tumors from pulmonary carcinoma] Hayakawa K, et al. **Gan No Rinsho** 1986 Nov;32(14):1795–8 (Eng. Abstr.) **(Jpn)**

[High-risk group—lung cancer] Niitani H, et al. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2632–7 (Eng. Abstr.) **(Jpn)**

[Radiation therapy of brain metastases from pulmonary carcinoma—intensive course versus high-dose course] Chatani M, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Aug 25; 46(8):1041–7 (Eng. Abstr.) **(Jpn)**

[Metastatic changes in the heart in bronchial carcinoma] Dergenc-Svahić Z, et al. **Pneum Bolesti** 1986 Jan–Mar; 38(1):49–53 (Eng. Abstr.) **(Scr)**

ANALYSIS

Detection of epithelial- and neural type of intermediate filament proteins in human lung tumors. Ramaekers F, et al. **Acta Histochem [Suppl] (Jena)** 1987;34:45–56

Immunoreactivity of surfactant-apoprotein in adenocarcinomas, large cell and small cell carcinomas of the lung. Kitinya JN, et al. **Acta Pathol Jpn** 1986 Sep; 36(9):1271–8

Nuclear DNA content in squamous cell carcinoma, small cell carcinoma, and bronchiolo-alveolar carcinoma of the lung. Yoneyama K, et al. **Am J Clin Oncol** 1987 Aug; 10(4):330–4

Analyses of glycosaminoglycans in human lung cancer. Masuda H, et al. **Biochem Med Metab Biol** 1987 Jun; 37(3):366–73

Epidermal growth factor receptors in non-small cell lung cancer. Veale D, et al. **Br J Cancer** 1987 May;55(5):513–6

Detection of a tumor-associated nucleoprotein antigen in mink lung cells transformed by two different viral oncogenes. Dupere SL, et al. **Cancer Res** 1987 May 1; 47(9):2284–7

Glycoproteins distinguishing non-small cell from small cell human lung carcinoma recognized by monoclonal antibody 43-9F. Pettijohn DE, et al. **Cancer Res** 1987 Feb 15; 47(4):1161–9

Stimulation of low density lipoprotein receptor activity by conditioned medium from a human cancer cell line. Shiroeda O, et al. **Cancer Res** 1987 Sep 1;47(17):4630–3

Detection of human lung epithelial cell growth factors produced by a lung carcinoma cell line: use in culture of primary solid lung tumors. Siegfried JM. **Cancer Res** 1987 Jun 1;47(11):2903–10

Expression of endogenous lectins in human small-cell carcinoma and undifferentiated carcinoma of the lung. Gabius HJ, et al. **Carbohydr Res** 1987 Jul 1;164:33–41

Intermediate filament expression in small cell lung cancer; poor correlation to in vitro data. Berendsen HH, et al. **Eur J Respir Dis [Suppl]** 1987;149:19–27

Neo-kyotorphin, an analgesic peptide isolated from human lung carcinoma. Zhu YX, et al. **FEBS Lett** 1986 Nov 24; 208(2):253–7

Carcino embryonic antigen levels in lung carcinoma and other malignancies: its relationship to tumor histopathological classification. Bhatavdekar JM, et al. **Indian J Pathol Microbiol** 1986 Apr;29(2):121–8

Intermediate filament proteins in classic and variant types of small cell lung carcinoma cell lines: a biochemical and immunochemical analysis using a panel of monoclonal and polyclonal antibodies. Broers JL, et al. **J Cell Sci** 1986 Jul; 83:37–60

Two-dimensional electrophoresis of proteins in tumours of the lung. Endler AT, et al. **J Clin Chem Clin Biochem** 1986 Dec;24(12):981–92

Human lung tumours may coexpress different classes of intermediate filaments. Gatter KC, et al. **J Clin Pathol** 1986 Sep;39(9):950–4

Shared carbohydrate antigenic determinant between the myelin-associated glycoprotein (MAG) and lung cancers. An immunohistochemical study by an anti-MAG IgM monoclonal antibody. Hozumi I, et al. **J Neuroimmunol** 1987 Jun;15(2):147–57

Epidermal growth factor receptor expression in human lung carcinomas defined by a monoclonal antibody. Sobol RE, et al. **JNCI** 1987 Sep;79(3):403–7

Detection of gastrin-releasing peptide mRNA in small cell lung carcinomas and medullary thyroid carcinomas using synthetic oligodeoxyribonucleotide probes. Suzuki M, et al. **Jpn J Clin Oncol** 1987 Jun;17(2):157–63

Human chorionic gonadotropin in lung and lung tumors. Immunohistochemical study on unbalanced distribution of subunits. Fukayama M, et al. **Lab Invest** 1986 Oct; 55(4):433–43

Human papillomavirus-11 DNA in a patient with chronic laryngotracheobronchial papillomatosis and metastatic squamous-cell carcinoma of the lung. Byrne JC, et al. **N Engl J Med** 1987 Oct 1;317(14):873–8

Immunohistochemical demonstration of lacto-N-fucopentose III in lung carcinomas with monoclonal antibody 624A12. Lee I, et al. **Pathol Res Pract** 1987 Feb;182(1):40–7

Parathyroid hormone-related protein purified from a human lung cancer cell line. Moseley JM, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5048–52

Profiling of prostaglandin biosynthesis in biopsy fragments of human lung carcinomas and normal human lung by capillary gas chromatography-negative ion chemical ionization mass spectrometry. Hubbard WC, et al. **Prostaglandins** 1986 Dec;32(6):889–906

Immunohistochemical evaluation of ras oncogene expression in pulmonary and pleural neoplasms. Lee I, et al. **Virchows Arch [B]** 1987;53(3):146–52

[Correlation study of selenium levels in the human body with the occurrence of lung cancer. I. Selenium levels in human lung, hair and blood of patients with lung cancer and controls] Wei HC. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1987 Jan;21(1):3–6 (Eng. Abstr.) **(Chi)**

[Method for analysis of the DNA content of paraffin-embedded tissue using flow cytometry-pepsin enzymatic disaggregation] Isobe H, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1944–6 **(Jpn)**

BLOOD

Elevated serum chromogranin A concentrations in small-cell lung carcinoma. Sobol RE, et al. **Ann Intern Med** 1986 Nov;105(5):698–700

Serum concentrations of sex hormone binding globulin in lung cancer [letter] **Br Med J [Clin Res]** 1986 Nov 8; 293(6556):1238–9

Serum concentrations of sex hormone binding globulin in lung cancer. Corbishley TP, et al. **Br Med J [Clin Res]** 1986 Sep 27;293(6550):791–2

Acute phase reaction, heterogeneity, and microheterogeneity of serum proteins as nonspecific tumor markers in lung cancer. Hansen JE, et al. **Cancer** 1987 Oct 1;60(7):1630–5

An unusual ultrastructural neutrophil abnormality of unknown function. Valenzuela R, et al. **Cleve Clin J Med** 1987 Jan–Feb;54(1):49–54

Vitamin A concentrations in lung cancer. Mura P, et al. **Clin Chem** 1987 May;33(5):716

Modification of beta-2-microglobulin in sera from patients with small cell lung cancer: evidence for involvement of a serine protease. Nissen MH, et al. **Clin Exp Immunol** 1987 Feb;67(2):425–32

Platelet sequestration in widespread pulmonary hemangiolymphangiectasia. Demonstration by indium-111 labeled platelets. Kim SM, et al. **Clin Nucl Med** 1987 Mar; 12(3):215–6

Purification and biochemical characterization of the complete structure of a proteolytically modified beta-2-microglobulin with biological activity. Nissen MH, et al. **Eur J Biochem** 1987 Feb 16;163(1):21–8

Serum ferritin levels in small cell lung cancer. Cox R, et al. **Eur J Cancer Clin Oncol** 1986 Jul;22(7):831–5

Serum calcium in bronchial carcinoma: a population-based study. Gislason T, et al. **Eur J Respir Dis** 1987 Jan; 70(1):8–13

Protein-bound polyamines in the plasma of mice grafted with the Lewis lung carcinoma. Delcros JG, et al. **FEBS Lett** 1987 Aug 10;220(1):236–42

Lung cancer and circulating DNA [letter] Behera D, et al. **Indian J Chest Dis Allied Sci** 1986 Jan–Mar;28(1):54–5

Circulating blood RNA in lung cancer. Behera D, et al. **J Assoc Physicians India** 1986 Aug;34(8):579–80

An enzyme immunoassay for auto-antibodies to keratin in normal human serum and in pleural fluids from patients with various malignant or non-malignant lung diseases. Lambré CR, et al. **J Clin Lab Immunol** 1986 Aug; 20(4):171–6

Cyclooxygenase inhibition and improved oxygenation in patients with pulmonary complications of AIDS. Foster SH, et al. **NY State J Med** 1987 May;87(5):280–2

Calcitonin concentrations in lung cancer and non-malignant pulmonary diseases. Yiakoumakis E, et al. **Oncology** 1987; 44(3):145–9

[Serum beta 2-microglobulin and carcinoembryonic antigen in patients with bronchogenic carcinoma] Cha RJ, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Sep;8(5):342–4 (Eng. Abstr.) **(Chi)**

[Value of neuraminic acid as a clinical parameter in 42 patients with small-cell bronchial cancer] Topuz E, et al. **Strahlenther Onkol** 1986 Oct;162(10):613–7 (Eng. Abstr.) **(Ger)**

[Changes in the blood coagulation system in patients with primary carcinoma of the lung] Dericoloso A, et al. **Arch Monaldi** 1985 Sep–Dec;40(5–6):219–23 (Eng. Abstr.) **(Ita)**

[Blood chemical parameters in the monitoring of inoperable bronchogenic carcinoma] Barberis S, et al. **Minerva Med** 1986 Oct 13;77(39):1789–92 (Eng. Abstr.) **(Ita)**

[Usefulness of the determination of CEA and Ca 19-9 in the diagnosis and staging of bronchial carcinoma] Rapellino M, et al. **Minerva Med** 1987 Mar 31;78(6):373–5 (Eng. Abstr.) **(Ita)**

[Clinical evaluation of tumor markers in patients with lung cancer, laying stress on tissue polypeptide antigen (TPA)] Matsubara Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 May 20;21(4):744–51 (Eng. Abstr.) **(Jpn)**

[Blood lactate threshold in patients with bronchogenic carcinoma] Miyoshi S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jun; 24(6):618–24 (Eng. Abstr.) **(Jpn)**

[A clinical study on carcinoembryonic antigens in patients with squamous cell carcinoma of the lung] Moriya H, et al. **Rinsho Hoshasen** 1986 Aug;31(8):877–9 (Eng. Abstr.) **(Jpn)**

[Granulopoiesis regulation in lung cancer and radiotherapy] Wysocka J, et al. **Nowotwory** 1986 Jul–Sep;36(3):199–205 (Eng. Abstr.) **(Pol)**

[Increased levels of alpha and beta subunits of chorionic gonadotropin in the serum of patients with primary lung cancer] Broniek A, et al. **Pneumonol Pol** 1986 Aug; 54(8):348–52 (Eng. Abstr.) **(Pol)**

[Changes in platelet functions and blood coagulation in patients with bronchopulmonary cancer] Cutcudache C, et al. **Rev Med Interna [Med Interna]** 1986 Jul–Aug; 38(4):357–68 (Eng. Abstr.) **(Rum)**

[Changes in the thrombocyte component of hemostasis during the surgical treatment of lung cancer] Somonova OV. **Lab Delo** 1986;(7):407–10 (Eng. Abstr.) **(Rus)**

[Assessment of the thrombocyte-vascular and coagulation components of hemostasis and fibrinolysis in cancer patients] Tiutrin II, et al. **Lab Delo** 1986;(7):410–5 (Eng. Abstr.) **(Rus)**

[Clinical importance of changes in thrombocytic hemostasis in lung cancer] Tulupov AN, et al. **Vestn Khir** 1987 Apr; 138(4):7–10 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

The characteristic structural features of the blood vessels of the Lewis lung carcinoma (a light microscopic and scanning electron microscopic study). Grunt TW, et al. **Scan Electron Microsc** 1986;(Pt 2):575–89

The angioarchitecture of the Lewis lung carcinoma in laboratory mice (a light microscopic and scanning electron microscopic study). Grunt TW, et al. **Scan Electron Microsc** 1986;(Pt 2):557–73

CEREBROSPINAL FLUID

Bronchioloalveolar carcinoma presenting with meningeal carcinomatosis. Cytologic diagnosis in cerebrospinal fluid. Csako G, et al. **Acta Cytol (Baltimore)** 1986 Nov–Dec; 30(6):653–6

Cerebrospinal fluid cytology diagnosis of meningeal carcinomatosis in patients with small-cell carcinoma of the lung. A study of interobserver and intraobserver variability. Pedersen AG, et al. **Acta Cytol (Baltimore)** 1986 Nov–Dec; 30(6):648–52

Cerebrospinal fluid bombesin and calcitonin in patients with central nervous system metastases from small-cell lung cancer. Pedersen AG, et al. **J Clin Oncol** 1986 Nov; 4(11):1620–7

CHEMICALLY INDUCED

Co-carcinogenic effect of asbestos and benzo(a)pyrene in the lung of hamster. Kimizuka G, et al. **Acta Pathol Jpn** 1987 Mar;37(3):465–74

Selenium and other trace elements in lung tissue in smelter workers relationship to the occurrence of lung cancer. Gerhardsson L, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:256–9

Reactivity and tumorigenicity of bay-region diol epoxides derived from polycyclic aromatic hydrocarbons. Jerina DM, et al. **Adv Exp Med Biol** 1986;197:11–30

Silica-induced alveolar cell tumors in rats. Johnson NF, et al. **Am J Ind Med** 1987;11(1):93–107

Chromium content of organs of chromate workers with lung cancer. Kishi R, et al. **Am J Ind Med** 1987;11(1):67–74

Increased chromium and nickel content in lung tissue and bronchial carcinoma. Kollmeier H, et al. **Am J Ind Med** 1987;11(6):659–69

Shale oil workers: absence of lung cancer hazard replicated. Seldén A. **Am J Ind Med** 1987;11(4):485–7

Lung cancer among women residing close to an arsenic emitting copper smelter. Frost F, et al. **Arch Environ Health** 1987 May–Jun;42(3):148–52

Histological types of lung cancer among smelter workers exposed to arsenic. Pershagen G, et al. **Br J Ind Med** 1987 Jul;44(7):454–8

Lung cancer and passive smoking [letter] Mantel N. **Br Med J** 1987 Feb 14;294(6569):440–1

Man-made mineral fibres and lung cancer: the risk to workers. **Bull WHO** 1987;65(1):113

Asbestos: promotion or prohibition? [letter] Morgan WK. **Can Med Assoc J** 1987 Mar 15;136(6):569

Lung tumor induction in strain A mice with benzotrichloride. Stoner GD, et al. **Cancer Lett** 1986 Nov;33(2):167–73

Dietary glucarate-mediated reduction of sensitivity of murine strains to chemical carcinogenesis. Walaszek Z, et al. **Cancer Lett** 1986 Oct;33(1):25–32

Tumorigenesis and genotoxicity of ethyl carbamate and vinyl carbamate in rodent cells. Allen JW, et al. **Cancer Res** 1986 Oct;46(10):4911–5

Genetic variation in the proliferation of murine pulmonary type II cells: basal rates and alterations following urethan treatment. Thaete LG, et al. **Cancer Res** 1986 Oct; 46(10):5335–8

Apparent synergy in lung carcinogenesis: interactions between N-nitrosoheptamethyleneimine, particulate cadmium and crocidolite asbestos fibres in rats. Harrison PT, et al. **Carcinogenesis** 1986 Nov;7(11):1903–8

U.S. EPA diesel studies on inhalation hazards. Albert RE, et al. **Dev Toxicol Environ Sci** 1986;13:411–9

Neoplastic and functional changes in rodents after chronic inhalation of engine exhaust emissions. Brightwell J, et al. **Dev Toxicol Environ Sci** 1986;13:471–85

Comparison of chronic inhalation effects in rodents after long-term exposure to either coal oven flue gas mixed with pyrolized pitch or diesel engine exhaust. Heinrich U, et al. **Dev Toxicol Environ Sci** 1986;13:441–57

Long-term inhalation studies on effects of exhaust from heavy and light duty diesel engines on F344 rats. Ishinishi N, et al. **Dev Toxicol Environ Sci** 1986;13:329–348

Long-term inhalation studies of diesel exhaust on F344 SPF rats. Incidence of lung cancer and lymphoma. Iwai K, et al. **Dev Toxicol Environ Sci** 1986;13:349–60

Effects of diesel soot on unscheduled DNA synthesis of tracheal epithelium and lung tumor formation. Kawabata Y, et al. **Dev Toxicol Environ Sci** 1986;13:213–22

Carcinogenicity of diesel exhaust inhaled chronically by rats. Mauderly JL, et al. **Dev Toxicol Environ Sci** 1986; 13:397–409

Experimental induction of tumors in hamsters, mice and rats after long-term inhalation of filtered and unfiltered diesel engine exhaust. Stöber W. **Dev Toxicol Environ Sci** 1986; 13:421–39

Effects of chronic inhalation exposure to diesel exhaust on the development of lung tumors in di-isopropanol-nitrosamine-treated F344 rats and newborn C57BL and ICR mice. Takemoto K, et al. **Dev Toxicol Environ Sci** 1986;13:311–27

Exposure to diesel exhaust emissions and the risk of lung and bladder cancer. Wynder EL, et al. **Dev Toxicol Environ Sci** 1986;13:489–501

Alterations in urethan-induced adenoma formation in mice exposed to selenium and arsenic. Blakley BR. **Drug Nutr Interact** 1987;5(2):97–102

Gross and microscopic lesions in the female SENCAR mouse skin and lung in tumor initiation and promotion studies. Knutsen GL, et al. **Environ Health Perspect** 1986 Sep; 68:91–104

Contribution of formaldehyde to respiratory cancer. Nelson N, et al. **Environ Health Perspect** 1986 Dec;70:23–35

Contribution of metals to respiratory cancer. Peters JM, et al. **Environ Health Perspect** 1986 Dec;70:71–83

A combined carcinogen bioassay utilizing both the lung adenoma and skin papilloma protocols. Robinson M, et al. **Environ Health Perspect** 1986 Sep;68:141–5

Carcinogenicity study with sodium dichromate in rats. Steinhoff D, et al. **Exp Pathol** 1986;30(3):129–41

Commercial hickory-smoke flavouring is a human lymphoblast mutagen but does not induce lung adenomas in newborn mice. Braun AG, et al. **Food Chem Toxicol** 1987 Apr;25(4):331–5

Enhanced tumour development by butylated hydroxytoluene (BHT) in the liver, lung and gastro-intestinal tract. Witschi HP. **Food Chem Toxicol** 1986 Oct–Nov;24(10–11):1127–30

Tumorigenicity of inorganic arsenic compounds following intratracheal instillations to the lungs of hamsters. Yamamoto A, et al. **Int J Cancer** 1987 Aug 15;40(2):220–3

Antiteratogenic and anticarcinogenic effects of X-rays in urethane-treated NMRI mice. Burkhard W, et al. **Int J Radiat Biol** 1987 Jun;51(6):1031–9

Contribution of polycyclic aromatic hydrocarbons and polar polycyclic aromatic compounds to the carcinogenic impact of flue gas condensate from coal-fired residential furnaces evaluated by implantation into the rat lung. Grimmer G, et al. **JNCI** 1987 May;78(5):935–42

Modification by ozone of lung tumor development in mice. Last JA, et al. **JNCI** 1987 Jan;78(1):149–54

Carcinogenesis by pentanal methylformylhydrazone of Gyromitra esculenta in mice. Toth B, et al. **Mycopathologia** 1987 May;98(2):83–9

Malignant transformation of human fetal lung fibroblasts induced by nitrosamine compounds in vitro. Huang M, et al. **Sci Sin [B]** 1986 Nov;29(11):1192–200

Passive smoking and lung cancer: epidemiological evidence and ongoing international collaborative studies. Riboli E. **Toxicol Lett** 1987 Jan;35(1):19–27

Carcinogenicity of sodium dichromate and chromium (VI/III) oxide aerosols inhaled by male Wistar rats. Glaser U, et al. **Toxicology** 1986 Dec 15;42(2–3):219–32

[Asbestos and cancer risk (letter)] Clemmesen J. **Ugeskr Laeger** 1987 May 11;149(20):1366–7 **(Dan)**

[Carcinogenic effect of the nitrosamines in tobacco smoke] Preda N, et al. **Sante Publique (Bucur)** 1986 Jul–Dec; 29(3–4):233–9 (Eng. Abstr.) **(Fre)**

[Clinical evaluation of primary lung cancer induced by exposure to asbestos] Kishimoto T, et al. **Gan No Rinsho** 1987 Apr;33(4):374–6 (Eng. Abstr.) **(Jpn)**

[Effects of chromium compounds on the respiratory system. Part 4. Long-term inhalation of chromic acid mist in electroplating to ICR female mice] Adachi S, et al. **Sangyo Igaku** 1986 Jul;28(4):283–7 (Eng. Abstr.) **(Jpn)**

[Carcinogenicity in mice by inhalation of benzotrichloride and benzoyl chloride] Yoshimura H, et al. **Sangyo Igaku** 1986 Sep;28(5):352–9 (Eng. Abstr.) **(Jpn)**

[Establishing the correlation between atmospheric pollution by automobile exhaust gases and the incidence of malignant neoplasms of the respiratory system in Poland] Przybylski Z. **Rocz Panstw Zakl Hig** 1986;37(2):101–6 (Eng. Abstr.) **(Pol)**

[Quantitative assessment of the modifying effect of nitrogen oxides on the carcinogenic action of benzo(a)pyrene in the respiratory organs] Ianysheva NIa, et al. **Gig Sanit** 1986 Jul;(7):7–9 (Eng. Abstr.) **(Rus)**

[Epidemiology of chronic background, pretumorous and oncologic diseases among workers exposed to low concentrations of asbestos-containing dust] Kogan FM, et al. **Gig Tr Prof Zabol** 1987 Mar;(3):37–40 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Classification of lung carcinoma by means of digital nuclear image analysis. Thunnissen EB, et al. **Anal Quant Cytol Histol** 1986 Dec;8(4):301–4

Immunohistochemical studies on small cell lung cancer. Shaw JB, et al. **Bull Chest Dis Res Inst Kyoto Univ** 1986 Mar; 19(1–2):23–30

Lung cancer classification: the relationship of disease extent and cell type to survival in a clinical trials population. Mountain CF, et al. **J Surg Oncol** 1987 Jul;35(3):147–56

[Heterogeneity of malignant bronchial tumors. Problems of histogenesis] Brambilla E, et al. **Rev Mal Respir** 1986; 3(5):235–45 (40 ref.) (Eng. Abstr.) **(Fre)**

[Clinicopathological studies on adenocarcinoma of the lung—relationship between subclassification based on cell origin and prognosis of surgical patients] Takaoka K. **Hokkaido Igaku Zasshi** 1987 Jan;62(1):41–53 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Malignant pericardial effusion and cardiac tamponade. Pinto MM. **Acta Cytol (Baltimore)** 1986 Nov–Dec;30(6):657–61

Hemiballismus and intracranial metastasis. A case report. Manorama Devi TK, et al. **Acta Neurol (Napoli)** 1986 Aug; 8(4):491–4

Diffuse interstitial pulmonary fibrosis and lung cancer. Kawai T, et al. **Acta Pathol Jpn** 1987 Jan;37(1):11–9

Varying hyponatremia in a patient with carcinoma. Rose BD. **Am J Kidney Dis** 1987 Sep;10(3):254–6

Renal failure and death in a 60-year-old man with lung cancer [clinical conference] **Am J Med** 1987 Feb; 82(2):257–63

Diffuse ecchymoses, hemoptysis, and atrial fibrillation in a patient with a lung mass [letter] Knudsen JF Jr, et al. **Am J Med** 1986 Nov;81(5):947

Endocrine studies in a male patient with choriocarcinoma and gynecomastia. Whitcomb RW, et al. **Am J Med** 1986 Nov;81(5):917–20

Symptomatic treatment of recurrent malignant pleural effusions with intrapleurally administered Corynebacterium parvum. Clinical response is not associated with evidence of enhancement of local cellular-mediated immunity. Rossi GA, et al. **Am Rev Respir Dis** 1987 Apr;135(4):885–90

Truncal ataxia presumably due to malignant spinal cord compression [letter] Gudesblatt M, et al. **Ann Neurol** 1987 May;21(5):511–2

Pulmonary histiocytosis X and carcinoma. Lombard CM, et al. **Arch Pathol Lab Med** 1987 Apr;111(4):339–41

Paraneoplastic optic neuritis and external ophthalmoplegia. Waterston JA, et al. **Aust NZ J Med** 1986 Oct;16(5):703–4

Leukocytosis and large cell lung cancer. A frequent association. Ascensao JL, et al. **Cancer** 1987 Aug 15; 60(4):903–5

Gianturco expandable wire stents in the treatment of superior vena cava syndrome recurring after maximum-tolerance radiation. Rösch J, et al. **Cancer** 1987 Sep 15;60(6):1243–6

Spontaneous pneumothorax. A complication of lung cancer? [letter] Bouros D, et al. **Chest** 1986 Dec;90(6):926

Respiratory failure in Lambert-Eaton myasthenic syndrome. Gracey DR, et al. **Chest** 1987 May;91(5):716–8

Biopsy excision through a fiberoptic bronchoscope in the palliative management of airway obstruction. Mehta AC, et al. **Chest** 1987 May;91(5):774–5

Pleurodesis in metastatic pneumothorax. Rammohan G, et al. **Chest** 1986 Dec;90(6):918–9

Exacerbation of pulmonary lymphangioleiomyomatosis by exogenous estrogens. Shen A, et al. **Chest** 1987 May; 91(5):782–5

Yellow nail syndrome and bronchial carcinoma [letter] Thomas PS, et al. **Chest** 1987 Jul;92(1):191

Diagnosis of malignant pericardial effusion during dynamic hepatic scintigraphy. Gates GF. **Clin Nucl Med** 1987 Mar; 12(3):173–5

Biclonal gammopathy in a patient with lymphoproliferative disease and lung cancer. Mousavi MM. **Del Med J** 1987 Jun;59(6):389–91

Oat cell carcinoma of the bronchus and acute pancreatitis. Hall M, et al. **Eur J Surg Oncol** 1987 Aug;13(4):371–2

Nonbacterial thrombotic endocarditis and nondisseminated malignancy associated with osteopetrosis. Sand JJ, et al. **Eur Neurol** 1987;27(3):167–72

Back pain and a nonproductive cough. Danowitz JS. **Hosp Pract [Off]** 1987 Sep 15;22(9):51–2

Leg paralysis in man with oat cell carcinoma. Stroh JA. **Hosp Pract [Off]** 1987 Apr 15;22(4):305–9

Chylothorax complicating bronchogenic carcinoma. Arora VK, et al. **Indian J Chest Dis Allied Sci** 1986 Apr–Jun; 28(2):92–4

Acanthosis nigricans and Leser-Trélat sign associated with squamous cell carcinoma and adenocarcinoma of the lung. Horiuchi Y, et al. **Int J Dermatol** 1986 Sep;25(7):459–60

Coexistence of angiolymphoid hyperplasia with eosinophilia and pulmonary neoplasia [letter] Dupre A, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):142–4

Left atrial myxoma with coexistent lung carcinoma: report of a case and review of the literature. Taylor JA, et al. **J Am Osteopath Assoc** 1986 Sep;86(9):568–71

Paraneoplastic tonic pupils. Maitland CG, et al. **J Clin Neuro Ophthalmol** 1985 Jun;5(2):99–104

Characteristics of lung cancer in elderly patients. DeMaria LC Jr, et al. **J Gerontol** 1987 Sep;42(5):540–5

Respiratory failure secondary to Eaton-Lambert syndrome. Collins LC. **J Ky Med Assoc** 1986 Dec;84(12):665–6

Pulmonary lymphangiomyomatosis complicating pregnancy. A case report. Hughes E, et al. **J Reprod Med** 1987 Jul; 32(7):553–7

Benign hamartoma of the lung presenting as massive hemoptysis. Kleinman J, et al. **J Surg Oncol** 1986 Sep; 33(1):38–40

Outcome of lung cancer patients requiring mechanical ventilation for pulmonary failure. Ewer MS, et al. **JAMA** 1986 Dec 26;256(24):3364–6

Superior vena caval obstruction: a 10-year experience. Bell DR, et al. **Med J Aust** 1986 Dec 1–15;145(11–12):566–8

Fungal colonization in patients with cancer of the upper respiratory tract. Vidotto V, et al. **Mycopathologia** 1986 Nov;96(2):97–101

Sensory neuropathy as remote effect of cancer [letter] Graus F, et al. **Neurology** 1987 Jul;37(7):1266–7

Coexistence of sarcoidosis and carcinoma in a solitary pulmonary nodule. Savino A, et al. **NY State J Med** 1986 Dec;86(12):648–9

Pain in early cancer of the lungs. Marino C, et al. **Pain** 1986 Oct;27(1):57–62

Intractable pain with lung cancer. Watson PN, et al. **Pain** 1987 May;29(2):163–73

Cancer presenting as mental illness. Takrani LB. **Psychiatr J Univ Ottawa** 1986 Dec;11(4):234–7

Psychosis and water intoxication as presenting symptoms of pulmonary carcinoma. Grant BL, et al. **Psychosomatics** 1986 Oct;27(10):732–3

Concomitant lung cancer and surgical heart disease. Dernevik L, et al. **Scand J Thorac Cardiovasc Surg** 1987; 21(2):105–7

A simple method for palliative diversion of the bile in patients with obstructive jaundice due to perihilar tumors. Wolloch Y, et al. **Surg Gynecol Obstet** 1987 May;164(5):466–7

Pleural effusion in Iraq: a prospective study of 100 cases. Al-Alusi F. **Thorax** 1986 Jun;41(6):492–3

Carcinoma of the lung presenting with digital ischaemia. Field J, et al. **Thorax** 1986 Jul;41(7):573–4

Unilateral hyperhidrosis associated with underlying intrathoracic neoplasia. Lindsay DC, et al. **Thorax** 1986 Oct;41(10):814–5

Intracavitary cisplatin in malignant cardiac tamponade. Bindi M, et al. **Tumori** 1987 Apr 30;73(2):163–5

Cardiac tamponade as a presenting symptom of bronchial carcinoma. Cunningham SR, et al. **Ulster Med J** 1987 Apr; 56(1):60–2

[Case of metastatic carcinomatous myocarditis and pericarditis in bronchogenic carcinoma of the lung] Iankov I, et al. **Vutr Boles** 1986;25(4):99–103 **(Bul)**

[Small cell carcinoma of the lung associated with syndrome of inappropriate secretion of antidiuretic hormone: report of a case and review of the literature] Cai BQ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Aug;9(4):193–6, 253 (Eng. Abstr.) **(Chi)**

[Roentgen diagnosis of senile pulmonary tuberculosis coexisting with primary lung cancer (an analysis of 108 cases)] Ji WK. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Oct;20(5):262–6 (Eng. Abstr.) **(Chi)**

[Carcinomatous neuromyopathy: reports of 3 autopsy and 1 biopsy cases] Xu BN. **Chung-hua Ping Li Hsueh Tsa Chih** 1987 Mar;16(1):28–30 (Eng. Abstr.) **(Chi)**

[Microscopic pulmonary intra-arterial tumor emboli. An unrecognized cause of hemosiderosis and pulmonary arterial hypertension] Fouret P, et al. **Arch Anat Cytol Pathol** 1986;34(3):172–4 (Eng. Abstr.) **(Fre)**

[Isolated bilateral paralysis of the tongue: review of the literature apropos of a case] Zumstein V, et al. **Rev Laryngol Otol Rhinol (Bord)** 1986;107(5):419–20 (Eng. Abstr.) **(Fre)**

[Pneumopericardium complicating bronchial cancer] Letanche G, et al. **Rev Mal Respir** 1986;3(5):277–80 (Eng. Abstr.) **(Fre)**

[Bronchiolo-alveolar carcinoma complicating systemic scleroderma under long-term treatment with factor XIII] Grivaux M, et al. **Rev Pneumol Clin** 1987;43(2):102–3 (Eng. Abstr.) **(Fre)**

[Pulmonary lymphangiomyomatosis and renal angiomyolipoma. Apropos of 2 cases] Vincent A, et al. **Schweiz Med Wochenschr** 1987 Jun 20;117(25):958–63 (Eng. Abstr.) **(Fre)**

[Marie-Bamberger syndrome in patients with bronchial cancer] Friedel B, et al. **Beitr Orthop Traumatol** 1986 Jul; 33(7):333–8 (Eng. Abstr.) **(Ger)**

[Acute metastasis-induced pancreatitis in bronchial carcinoma] Lankisch PG, et al. **Dtsch Med Wochenschr** 1987 Aug 28;112(35):1335–7 (Eng. Abstr.) **(Ger)**

[Secondary achalasia within the scope of polyneuropathy in small cell bronchial cancer] Wambach G, et al. **Internist (Berlin)** 1987 Jan;28(1):79–81 **(Ger)**

[Cough, weakness, weight loss and temporal headache] Vetter W, et al. **Schweiz Rundsch Med Prax** 1987 May 26;76(22):637–41 (Eng. Abstr.) **(Ger)**

[Pulmonary carcinomatosis: a rare cause of acute cor pulmonale] Rellini G, et al. **G Ital Cardiol** 1986 Jun; 16(6):479–86 (Eng. Abstr.) **(Ita)**

[Intrapleural chemotherapy with cisplatin and adriamycin in lung cancer with carcinomatous pleuritis] Fujii M, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(11):3203–6 (Eng. Abstr.) **(Jpn)**

[Studies of experimental localized pneumonia associated with lung cancer] Kusachi S. **Kansenshogaku Zasshi** 1986 Sep; 60(9):1040–7 (Eng. Abstr.) **(Jpn)**

[A case of cardiac tamponade as an initial sign of lung cancer] Izuhara K, et al. **Kokyu To Junkan** 1987 Mar;35(3):337–9

(Eng. Abstr.) (Jpn)
[A clinical investigation of the indications of Nd-YAG laser irradiation in malignant diseases causing central airway stenosis] Arita M, et al.
Nippon Kyobu Geka Gakkai Zasshi 1987 Mar;35(3):283–9 (Eng. Abstr.) (Jpn)
[Evaluation of transtracheal aspiration in pulmonary infection of lung cancer] Chen RM, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1986 Oct; 24(10):1096–104 (Eng. Abstr.) (Jpn)
[CT findings in 53 cases of carcinomatous pleuritis—loculation of the pleural space] Fukuda Y, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1986 Jun;24(6):652–9 (Eng. Abstr.) (Jpn)
[Dermatomyositis and lung cancer] Hsieh CM, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1986 Oct; 24(10):1083–7 (Eng. Abstr.) (Jpn)
[Six cases of non-Hodgkin's lymphoma with pyothorax or chronic pleuritis] Iuchi K, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1986 Jul; 24(7):798–803 (Eng. Abstr.) (Jpn)
[A case of lung cancer accompanying sarcoidosis] Kudoh S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Sep; 24(9):1039–43 (Eng. Abstr.) (Jpn)
[Two resected cases of pulmonary aspergillosis coincidentally accompanied by a solid tumor] Mitani N, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1986 Sep; 24(9):1023–7 (Eng. Abstr.) (Jpn)
[alpha 1-Antitrypsin deficiency with pulmonary emphysema, small cell lung cancer and marked elevation of serum lactic dehydrogenase level: a case report] Okazaki N, et al.
Nippon Naika Gakkai Zasshi 1986 Nov;75(11):1629–37 (Jpn)
[Pathogenesis of anemia in malignant neoplasms and chronic inflammation] Bala IuM, et al. **Gematol Transfuziol** 1987 Apr;32(4):37–9 (Eng. Abstr.) (Rus)
[Hemangiopericytoma of the lung complicated by profuse hemorrhages] Stepanova TV, et al. **Grudn Khir** 1986 Sep-Oct;(5):91-3 (Rus)
[Recurrence of tuberculosis in a non-transportable oncologic patient] Biron MG, et al. **Probl Tuberk** 1987;(2):62–4 (Rus)
[The course of tuberculosis of the respiratory organs complicated by primary carcinoma of the lung] Zhingel' IP, et al. **Probl Tuberk** 1987;(1):46–50 (Eng. Abstr.) (Rus)
[A rare cause of hemopneumothorax] Borisov VA.
Vestn Khir 1986 Nov;137(11):77–8 (Rus)
[Pericardial effusion and cardiac tamponade in malignant thoracic tumors] Cukon P, et al. **Plucne Bolesti** 1986 Jul-Dec;38(3–4):212–5 (Eng. Abstr.) (Scr)
[Paraneoplastic retinal degeneration (letter)] Vargas Núñez JA, et al. **Med Clin (Barc)** 1987 Mar 14;88(10):431 (Spa)
[Mental neuropathy associated with pulmonary small cell carcinoma (letter)] Carratalá J, et al. **Rev Clin Esp** 1987 Mar;180(5):288–9 (Spa)

CONGENITAL

[Congenital pulmonary cystic adenomatosis] Romagnoli G, et al. **Minerva Pediatr** 1987 Apr 30;39(8):355–7 (Eng. Abstr.) (Ita)

DIAGNOSIS

Megakaryocytes in a fine needle aspirate of the lung [letter] Chen KT. **Acta Cytol (Baltimore)** 1987 Jan-Feb;31(1):81–2
Primary malignant fibrous histiocytoma of the lung. Fine needle aspiration cytologic features. Hsiu JG, et al.
Acta Cytol (Baltimore) 1987 May-Jun;31(3):345–50
Cystic hamartomata of lung and kidney: a spectrum of developmental abnormalities. Graham JM Jr, et al.
Am J Med Genet 1987 May;27(1):45–59
Endobronchial tuberculosis simulating bronchogenic carcinoma in a patient with the acquired immunodeficiency syndrome. Maguire GP, et al. **Am J Med Sci** 1987 Jul; 294(1):42–4
Morphometric markers for the evaluation of preneoplastic lesions in the lung. Diagnostic evaluation by high-resolution image analysis of atypical cells in sputum specimens. Greenberg SD, et al.
Anal Quant Cytol Histol 1987 Mar;9(1):49–54
Role of mediastinoscopy in lung cancer [letter] Rubinstein I, et al. **Ann Thorac Surg** 1986 Nov;42(5):601
Imaging primary lung cancers, pleural cancers, and metastatic disease. Chasen MH. **CA** 1987 Jul-Aug;37(4):194–210 (28 ref.)
Plasmacytoma of the lung. A case report describing two tumors of different immunologic type in a single patient. Roikjaer O, et al. **Cancer** 1986 Dec 15;58(12):2671–4
Immunohistochemical and histochemical markers of primary lung cancer, lung metastases, and pleural mesotheliomas. Popper H, et al. **Cancer Detect Prev** 1987;10(3–4):167–74
Isoenzyme pattern of enolase and creatine kinase in small cell lung cancer patients [letter] Batandier C, et al.
Chest 1987 Jul;92(1):189–90
Detection of pulmonary lymphoma by bronchoalveolar lavage. Davis WB, et al. **Chest** 1987 May;91(5):787–90
The solitary pulmonary nodule. Assessment, diagnosis, and management. Khouri NF, et al. **Chest** 1987 Jan;91(1):128–33
Diagnosis of parenchymal Hodgkin's disease using bronchoalveolar lavage. Morales FM, et al. **Chest** 1987 May;91(5):785–7
Bronchoalveolar lavage in the diagnosis of pulmonary lymphomas [editorial] Myers JL, et al. **Chest** 1987 May; 91(5):642–3
Transbronchial needle aspiration in the diagnosis of bronchogenic carcinoma. Schenk DA, et al. **Chest** 1987 Jul;92(1):83–5
Newer procedures using the fiberoptic bronchoscope in the diagnosis of lung cancer. Mehta AC, et al.
Cleve Clin J Med 1987 May-Jun;54(3):195–203 (47 ref.)
Immunodetection of neuron-specific enolase and keratin in cytological preparations as an aid in the differential diagnosis of lung cancer. Kyrkou KA, et al.
Diagn Cytopathol 1986 Sep;2(3):217–20
The reliability of fine-needle aspiration biopsy in the diagnosis of deep lesions of the lung and mediastinum: experience with 250 cases using a modified technique. Young GP, et al. **Diagn Cytopathol** 1987 Mar;3(1):1–7
Fine-needle and screw-needle samples in CT-assisted biopsies of chest lesions. Boe J, et al. **Eur J Respir Dis** 1987 Aug;71(2):108–12
Pulmonary capillary hemangiomatosis. Tron V, et al.
Hum Pathol 1986 Nov;17(11):1144–50
Imaging of the pulmonary hilum: a prospective comparative study in patients with lung cancer. Bragg DG.
Invest Radiol 1987 Feb;22(2):180–1
Differentiation of proximal bronchogenic carcinoma from postobstructive lobar collapse by magnetic resonance imaging. Comparison with computed tomography. Tobler J, et al. **Invest Radiol** 1987 Jul;22(7):538–43
Carcinoma of lung with mediastinal metastasis. Araoz CA, et al. **J Arkansas Med Soc** 1986 Sep;83(4):184–5
Hairy cell leukaemia with possible pulmonary and renal involvement. Sharma SK, et al.
J Assoc Physicians India 1986 Oct;34(10):747–8
Magnetic resonance imaging of the mediastinum. Poon PY, et al. **J Can Assoc Radiol** 1986 Sep;37(3):173–81
Markers and characteristics of human SCLC cell lines. Neuroendocrine markers, classical tumor markers, and chromosomal characteristics of permanent human small cell lung cancer cell lines. Bepler G, et al.
J Cancer Res Clin Oncol 1987;113(3):253–9
Immunohistological staining of reactive mesothelium, mesothelioma, and lung carcinoma with a panel of monoclonal antibodies. Ghosh AK, et al. **J Clin Pathol** 1987 Jan;40(1):19–25
Primary pulmonary angiosarcoma associated with multiple synchronous neoplasms. Ott RA, et al. **J Surg Oncol** 1987 Aug;35(4):269–76
Myasthenic syndrome (Eaton-Lambert syndrome) associated with pulmonary adenocarcinoma. Ramos-Yeo YL, et al. **J Surg Oncol** 1987 Apr;34(4):239–42
The right to know, the duty to communicate. Avery JK.
J Tenn Med Assoc 1986 Sep;79(9):570
Age trends of lung cancer stage at diagnosis. Implications for lung cancer screening in the elderly. O'Rourke MA, et al. **JAMA** 1987 Aug 21;258(7):921–6
Discrimination of human small cell and non-small cell lung tumors by a panel of monoclonal antibodies. Tong AW, et al. **JNCI** 1986 Nov;77(5):1023–33
Pulmonary lymphangioleiomyomatosis complicated by pregnancy. Yockey CC, et al. **Kans Med** 1986 Oct; 87(10):277–8, 293
Ploidy as a prognostic determinant in surgically treated lung cancer. Zimmerman PV, et al. **Lancet** 1987 Sep 5; 2(8558):530–3
Lung carcinoma presenting with systemic embolism: an uncommon differential diagnosis for atrial myxoma [letter] Warren RJ, et al. **Med J Aust** 1987 Aug 3;147(3):150–1
Neuron-specific enolase (NSE) as a tumour marker and comparative evaluation with carcinoembryonic antigen (CEA) in small-cell lung cancer. Adewole IF, et al.
Med Oncol Tumor Pharmacother 1987;4(1):11–5
Case for diagnosis. Lymphoplasmacytic lymphoma. Jonas DO. **Milit Med** 1987 Apr;152(4):213–5
MMIE malpractice claim review. Family practice. MMIE Risk Management Committee. Sanders PS. **Minn Med** 1986 Oct;69(10):609
B cell lymphoma presenting as carcinoma of the lung. Hart DN, et al. **NZ Med J** 1986 Nov 12;99(813):840–2
Diagnostic value of the computerized tube leukocyte adherence inhibition (LAI) assay for human colorectal, breast and lung cancers. Berner Y, et al. **Oncology** 1986; 43(5):327–34
201Tl/67Ga uptake ratio in small cell carcinoma of the lung: with special reference to serum neuron-specific enolase and prognosis. Togawa T, et al. **Oncology** 1987;44(4):228–31
Fiberoptic bronchoscopy in 1200 patients. Accuracy in lung cancer. Agosti E, et al. **Panminerva Med** 1986 Jul-Sep; 28(3):221
Lung cancer and bronchoscopy. Antypas G, et al.
Panminerva Med 1986 Jul-Sep;28(3):223–4
Endobronchial aspects of pulmonary neoplasia. Caputi M, et al. **Panminerva Med** 1986 Jul-Sep;28(3):195–9
Usefulness of rapid cytological staining (Cytocolor) during fiberbronchoscopy in the diagnosis of malignant tumors of the lung. De Francesco F, et al. **Panminerva Med** 1986 Jul-Sep;28(3):229–32
Transbronchial lung biopsy and bronchoalveolar lavage in diffuse and localised bronchiolo-alveolar cell carcinoma. Galleri C, et al. **Panminerva Med** 1986 Apr-Jun;28(2):111–4
The multiple primary lung carcinoma. Klinke F, et al.
Panminerva Med 1986 Oct-Dec;28(4):321–4
The flexible fiberoptic bronchoscopy and the aspiration lung biopsies in the diagnosis of the peripheral pulmonary carcinomas. Marangio E, et al. **Panminerva Med** 1986 Jul-Sep;28(3):227–8
Hilar masses: evaluation with CT-guided biopsy after negative bronchoscopic examination. Sider L, et al.
Radiology 1987 Jul;164(1):107–9
Lung lesions: cytologic diagnosis by fine-needle biopsy. Stanley JH, et al. **Radiology** 1987 Feb;162(2):389–91
Medical imaging in lung cancer. Heelan RT, et al.
Surg Clin North Am 1987 Oct;67(5):1015–23
Impact of early detection on the clinical course of lung cancer. Melamed MR, et al. **Surg Clin North Am** 1987 Oct; 67(5):909–24
Iridocyclitis masquerade syndrome [clinical conference] Michelson JB, et al. **Surv Ophthalmol** 1986 Sep-Oct; 31(2):125–30
Primary angiosarcoma of the lung presenting as intractable hemoptysis. Palvio DH, et al. **Thorac Cardiovasc Surg** 1987 Apr;35(2):105–7
Predictive value of sputum cytology. Benbassat J, et al.
Thorax 1987 Mar;42(3):165–72
Fibreoptic bronchoscopy in diagnosis of bronchopulmonary Kaposi's sarcoma. Hanson PJ, et al. **Thorax** 1987 Apr; 42(4):269–71
Bronchial brushing and bronchial biopsy: comparison of diagnostic accuracy and cell typing reliability in lung cancer. Matsuda M, et al. **Thorax** 1986 Jun;41(6):475–8
A fifteen years' experience in the diagnosis and treatment of benign lung tumors. Lequaglie C, et al. **Tumori** 1986 Aug 31;72(4):413–6
Simultaneous immunoenzyme staining of vimentin and cytokeratins with monoclonal antibodies as an aid in the differential diagnosis of malignant mesothelioma from pulmonary adenocarcinoma. Mullink H, et al.
Virchows Arch [B] 1986;52(1):55–65
[Advantage of the measurement of multiple parameters for pleural effusion for the differential diagnosis of tuberculosis and carcinomatous pleurisy] Sun B.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1987 Feb;10(1):13–6, 61–2 (Eng. Abstr.) (Chi)
[Assessment of the monoclonal antibody to CEA in the serum and bronchoalveolar fluid for detecting bronchogenic carcinoma] Zhu YJ.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1987 Feb;10(1):10–2, 61 (Eng. Abstr.) (Chi)
[Double primary cancer in the larynx and lung—report of 12 cases] Cui JQ, et al.
Chung Hua Chung Liu Tsa Chih 1986 Sep;8(5):392–4 (Eng. Abstr.) (Chi)
[Occult lung cancer with positive cytology and normal chest film—an analysis of 54 cases] Liang ST, et al.
Chung Hua Chung Liu Tsa Chih 1986 Nov;8(6):450–2 (Eng. Abstr.) (Chi)
[Raising the detection rate of lung cancer using bronchoscopy with hematoporphyrin aerosol inhalation] Liu JF.
Chung Hua I Hsueh Tsa Chih 1986 Aug;66(8):465–8, 512 (Eng. Abstr.) (Chi)
[Significance of the determination of alpha-1-antitrypsin and pregnancy-associated alpha-1-glycoprotein in the serum of patients with bronchogenic carcinoma] Homolka J, et al. **Cas Lek Cesk** 1987 Jan 16;126(3):73–5 (Eng. Abstr.) (Cze)
[Breast metastases as the initial symptom of extramammary carcinomas] Seidelin CM, et al. **Ugeskr Laeger** 1987 May 18;149(21):1397–8 (Eng. Abstr.) (Dan)
[Value of various imaging technics in the diagnosis and follow-up of pulmonary metastases of thyroid cancer] Sarrat P, et al. **Ann Radiol (Paris)** 1986;29(6):519–23 (Eng. Abstr.) (Fre)
[Isolated pulmonary Hodgkin's disease. Diagnosis and treatment (letter)] Rebattu P, et al. **Bull Cancer (Paris)** 1986; 73(1):92–3 (Fre)
[Obstructive pseudotumoral bronchial aspergillosis (letter)] Caillaud D, et al. **Presse Med** 1987 Feb 7;16(4):174 (Fre)
[Intravascular sclerosing bronchiolo-alveolar tumor. An aggressive form simulating myeloproliferative syndrome (letter)] Delcourt A, et al. **Presse Med** 1987 Mar 21; 16(10):495 (Fre)
[Diagnosis and evaluation of lung cancer. Development during 1973-1982] Robience YJ, et al. **Rev Med Brux** 1986 Oct;7(8):465–72 (Eng. Abstr.) (Fre)
[Significance of neuron-specific enolase (NSE) in the diagnosis of bronchial carcinomas and neuroendocrine tumors] Fischbach W, et al. **Dtsch Med Wochenschr** 1986 Nov 7;111(45):1721–5 (Eng. Abstr.) (Ger)
[Preoperative diagnosis in lung surgery interventions] Morr H. **Med Klin** 1986 Apr 11;81(8):286–9 (Ger)
[Lung tuberculosis and lung cancer from the viewpoint of the pneumologist] Konietzko N. **Off Gesundheitswes** 1986 Sep;48(9):488–91 (Eng. Abstr.) (Ger)
[The case from practice (76). Female patient: Mrs. P. R., born 3-16-1920, homemaker] Schön H.
Schweiz Rundsch Med Prax 1987 Mar 17;76(12):315–6 (Ger)
[Reliability of sonography in diagnosing liver metastases in breast and bronchial cancer. A retrospective comparison of physical examination, laboratory tests and liver scintigraphy] Schattevoet WH, et al. **Ultraschall Med** 1986 Dec;7(6):293–9 (Eng. Abstr.) (Ger)

[Immunohistologically confirmed pulmonary carcinosarcoma] Laberke HG, et al. **Verh Dtsch Ges Pathol** 1986;70:304–10 (Eng. Abstr.) **(Ger)**

[Tumor markers in the differential diagnosis of malignant lung and pleura tumors] Popper H, et al. **Verh Dtsch Ges Pathol** 1986;70:317–20 (Eng. Abstr.) **(Ger)**

[Diagnostic value of the combined determination of carcinoembryonic antigen (CEA) in pleural effusion and serum with an enzyme immunoassay (EIA). Sensitivity, specificity and relation to tumor type] Klech H, et al. **Wien Klin Wochenschr** 1986 Sep 12;98(17):564–73 (Eng. Abstr.) **(Ger)**

[Fibronectin in the sputum in malignant and inflammatory diseases of the respiratory tract] Borkenstein J, et al. **Wien Med Wochenschr** 1986 Nov 30;136(21–22):543–5 (Eng. Abstr.) **(Ger)**

[Clinical aspects of bronchial cancer in advanced age] Tragl KH. **ZFA** 1987 May–Jun;42(3):143–51 (Eng. Abstr.) **(Ger)**

[Bronchial papillomas of various origin] Barzó P, et al. **Orv Hetil** 1986 Aug 24;127(34):2069–72 (Eng. Abstr.) **(Hun)**

[Neuron-specific enolase: a new marker for small-cell pulmonary carcinoma] Rapellino M, et al. **Minerva Med** 1987 Apr 15;78(7):465–7 (Eng. Abstr.) **(Ita)**

[Usefulness of measuring serum ferritin in the diagnosis and staging of non-microcytoma bronchial carcinoma] Rapellino M, et al. **Minerva Med** 1986 Dec 15; 77(47–48):2221–2 (Eng. Abstr.) **(Ita)**

[Nodular pulmonary lesions. Evaluation of the significance of the radiographic semeiotics correlated with the results of transbronchial fiberscopic pulmonary biopsy and transparietal needle aspiration] Proietti A, et al. **Radiol Med (Torino)** 1987 Jan–Feb;73(1–2):21–4 (Eng. Abstr.) **(Ita)**

[Pulmonary malignant lymphoma—a case report] Oh S, et al. **Gan No Rinsho** 1986 Nov;32(14):1860–6 (Eng. Abstr.) **(Jpn)**

[Initial basic and clinical evaluation of a solid-phase immunoradiometric assay for sialyl SSEA-1 antigen: 2. Evaluation of clinical significance] Imura H, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1322–31 (Eng. Abstr.) **(Jpn)**

[Serum NSE (neuron-specific enolase) levels in small cell lung cancer, with special reference to the measurement of serial serum NSE levels] Kawachi S, et al. **Gan To Kagaku Ryoho** 1987 Aug;14(8):2469–74 (Eng. Abstr.) **(Jpn)**

[Determination of various tumor markers, with special reference to neuron-specific enolase in lung cancer] Yano H, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):77–83 (Eng. Abstr.) **(Jpn)**

[Present state and prospective in the diagnosis and therapy of lung neoplasms. 1. Diagnosis of hilar epidermoid carcinoma of the lung—with special reference to endoscopy] Abe S. **Hokkaido Igaku Zasshi** 1987 Mar; 62(2):193–7 **(Jpn)**

[Present state and prospectives in the diagnosis and therapy of lung neoplasms. 1. Diagnosis of hilar epidermoid carcinoma of the lung—with special reference to cytodiagnosis] Sakai E. **Hokkaido Igaku Zasshi** 1987 Mar; 62(2):190–3 (5 ref.) **(Jpn)**

[Enhanced binding of 131I-labeled monoclonal anti-CEA antibody to a CEA producing lung carcinoma cell line (QG56) after phorbol ester (TPA) treatment] Ayabe Y. **Kaku Igaku** 1986 Oct;23(10):1403–12 (Eng. Abstr.) **(Jpn)**

[Usefulness of SCC-antigen for diagnosis and monitoring recurrence and effectiveness of therapies of squamous cell carcinoma of the lung] Mino N, et al. **Kaku Igaku** 1987 Feb;24(2):149–56 (Eng. Abstr.) **(Jpn)**

[Diagnosis of early lung cancer by applying the TV-bronchoscopy with a sensing device] Ono R. **Nippon Gan Chiryo Gakkai Shi** 1986 Oct 20;21(9):2221–7 (Eng. Abstr.) **(Jpn)**

[A case of rhabdomyosarcoma—immunohistochemical study] Miyake M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Dec;34(12):2134–7 (Eng. Abstr.) **(Jpn)**

[A case of small pulmonary hamartoma diagnosed by transbronchial needle aspiration cytology] Anzaki Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jun;24(6):692–7 (Eng. Abstr.) **(Jpn)**

[Measurement of tissue polypeptide antigen in BALF from patients with lung cancer] Kinoshita M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jun; 24(6):648–51 (Eng. Abstr.) **(Jpn)**

[The significance of creatine kinase isozymes as biomarkers of carcinoma of the lung] Usui A, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Oct; 24(10):1071–7 (Eng. Abstr.) **(Jpn)**

[Clinical MRI of disease. 3) Respiratory tract diseases. a. Lung cancer] Yasukochi H, et al. **Nippon Rinsho** 1987 Jan; 45(1):134–8 **(Jpn)**

[Clinical evaluation of serum neuron-specific enolase levels in patients with lung cancer] Mori Y, et al. **Radioisotopes** 1987 Feb;36(2):78–80 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of serum CEA levels in cases of unresectable lung cancer] Satoh T, et al. **Rinsho Hoshasen** 1986 Nov;31(12):1409–13 (Eng. Abstr.) **(Jpn)**

[Diagnosis of hilar and mediastinal lymphadenopathy by MRI] Tomimatsu H, et al. **Rinsho Hoshasen** 1986 Dec; 31(13):1549–52 (Eng. Abstr.) **(Jpn)**

[A human case of pulmonary difrofilariasis suspected to be lung cancer] Makiya K, et al. **Sangyo Ika Daigaku Zasshi** 1987 Jun 1;9(2):227–32 (Eng. Abstr.) **(Jpn)**

[Primary fibrosarcoma of the lung] Parafiniuk W, et al. **Pneumonol Pol** 1986 Oct;54(10):470–4 (Eng. Abstr.) **(Pol)**

[Carcinoembryonic antigen and alpha fetoprotein in patients with bronchial cancer and inflammatory diseases of the respiratory tract] Przybyłowski J, et al. **Pol Tyg Lek** 1986 Sep 1;41(35):1106–9 (Eng. Abstr.) **(Pol)**

[Cavernous lymphangioma of the right lung] Borgiel W, et al. **Wiad Lek** 1987 Feb 1;40(3):180–4 (Eng. Abstr.) **(Pol)**

[A case of carcinoid tumor of the bronchus with an unusual course diagnosed and treated as small cell carcinoma of the lung] Dobrek Z. **Wiad Lek** 1986 Nov 1;39(21):1499–502 (Eng. Abstr.) **(Pol)**

[Bronchoscopy in the diagnosis of bronchopulmonary cancer] Cioflec D, et al. **Rev Ig [Pneumoftiziol]** 1986 Oct–Dec; 35(4):363–5 (Eng. Abstr.) **(Rum)**

[Characteristics of a case of pulmonary paraganglioma (pheochromocytoma)] Nagy A, et al. **Rev Ig [Pneumoftiziol]** 1986 Oct–Dec;35(4):367–70 **(Rum)**

[Fiber bronchoscopic semeiotics and the morphologic diagnosis of small-cell lung cancer] Nurguzhaev KS. **Grudn Khir** 1986 Nov–Dec;(6):60–2 (Eng. Abstr.) **(Rus)**

[Synchronous cancer of the duodenum and lung] Zmeul VK. **Khirurgiia (Mosk)** 1986 Sep;(9):122–3 **(Rus)**

[Metastatic heart involvement in malignant lung neoplasms] Rachinskiĭ ID, et al. **Klin Med (Mosk)** 1986 Aug;64(8):76–9 **(Rus)**

[Intraoperative cytological diagnosis of lung hamartochondromas] Kirdan GV. **Lab Delo** 1986;(7):401–3 (Eng. Abstr.) **(Rus)**

[Lipid-bound sialic acids in the diagnosis of malignant neoplasms of the lungs and stomach] Surina AG, et al. **Lab Delo** 1986;(8):470–3 (Eng. Abstr.) **(Rus)**

[Advantages and disadvantages of fibrobronchoscopy and rigid bronchoscopy in the diagnosis of lung tumors] Pavlov RM, et al. **Probl Tuberk** 1986;(11):45–6 (Eng. Abstr.) **(Rus)**

[Reasons for errors in the diagnosis of lung cancer at the pre-hospital stage of patient examination] Piatnochka IT, et al. **Probl Tuberk** 1987;(3):29–31 (Eng. Abstr.) **(Rus)**

[The nodular form of bronchioloalveolar cancer] Shulutko ML, et al. **Probl Tuberk** 1987;(6):35–9 (Eng. Abstr.) **(Rus)**

[Diagnosis and x-ray signs of minimal peripheral lung cancer] Lindenbraten LD. **Vestn Rentgenol Radiol** 1987 Mar–Apr; (2):6–14 (Eng. Abstr.) **(Rus)**

[The Lambert-Eaton myasthenic syndrome in lung cancer (case report)] Parizhskiĭ ZM, et al. **Vopr Onkol** 1986; 32(8):104–6 **(Rus)**

[Development and application of an "IR-spectrophotometer-minicomputer" system for determination of steroid hormones in patients with malignant neoplasms] Sidorik EP, et al. **Vopr Onkol** 1987; 33(3):67–70 (Eng. Abstr.) **(Rus)**

[Current possibilities of detecting and diagnosing the early forms of lung cancer] Vagner RI, et al. **Vopr Onkol** 1987; 33(3):26–31 (Eng. Abstr.) **(Rus)**

[Pseudotumorous shadows of pleural origin] Goldner B, et al. **Plucne Bolesti** 1986 Apr–Jun;38(2):158–62 (Eng. Abstr.) **(Scr)**

[Transbronchial biopsy in the etiologic diagnosis of peripheral lung lesions] Mrda V, et al. **Plucne Bolesti** 1986 Apr–Jun;38(2):169–71 (Eng. Abstr.) **(Scr)**

[Clinical usefulness of the determination of the plasma level of carcinoembryonic antigen in the diagnosis of bronchial carcinoma] Romero Candeira S, et al. **Med Clin (Barc)** 1987 Apr 11;88(14):529–33 (Eng. Abstr.) **(Spa)**

DIET THERAPY

A randomized study of oral nutritional support versus ad lib nutritional intake during chemotherapy for advanced colorectal and non-small-cell lung cancer. Evans WK, et al. **J Clin Oncol** 1987 Jan;5(1):113–24

DRUG THERAPY

cis-platinum, 5-fluorouracil, and hydroxyurea in the treatment of advanced non-small-cell lung cancer. A phase II study. Axelson JA, et al. **Am J Clin Oncol** 1987 Jun; 10(3):243–4

No routine role for vincristine, adriamycin, and cyclophosphamide (VAC) or thoracic radiation therapy in extensive stage small cell lung cancer. Eagan RT, et al. **Am J Clin Oncol** 1987 Apr;10(2):141–5

Cyclophosphamide, etoposide, and infusion cisplatin in refractory small cell lung cancer. A preliminary report. Frytak S, et al. **Am J Clin Oncol** 1987 Feb;10(1):33–5

Antiemetic efficacy of nabilone and dexamethasone: a randomized study of patients with lung cancer receiving chemotherapy. Niiranen A, et al. **Am J Clin Oncol** 1987 Aug;10(4):325–9

Aclacinomycin A. Phase II evaluation in bronchogenic squamous-cell carcinoma. Pazdur R, et al. **Am J Clin Oncol** 1987 Jun;10(3):234–6

A randomized study comparing platinum, doxorubicin, and VP-16 with platinum, 4'-epidoxorubicin, and VP-16 in patients with non-small-cell lung cancer. Rosell R, et al. **Am J Clin Oncol** 1987 Jun;10(3):245–8

5-Fluorouracil, adriamycin, and mitomycin-C (FAM) in the treatment of inoperable adenocarcinoma of the lung. Shepherd FA, et al. **Am J Clin Oncol** 1986 Oct;9(5):392–6

Chemotherapy alone or chemotherapy with chest radiation therapy in limited stage small cell lung cancer. A prospective, randomized trial. Bunn PA Jr, et al. **Ann Intern Med** 1987 May;106(5):655–62

Superiority of alternating non-cross-resistant chemotherapy in extensive small cell lung cancer. A multicenter, randomized clinical trail by the National Cancer Institute of Canada. Evans WK, et al. **Ann Intern Med** 1987 Oct; 107(4):451–8

Preoperative (neoadjuvant) chemotherapy in the murine Lewis lung carcinoma and possible implications for clinical use. Fichtner I, et al. **Anticancer Res** 1987 Mar–Apr; 7(2):227–33

Ambulatory combination chemotherapy with oral etoposide and cisplatin for advanced non small cell lung carcinoma patients. A phase II study. Focan C, et al. **Anticancer Res** 1986 Sep–Oct;6(5):977–81

In vitro antitumor activity of teniposide against carcinoma of the lung in human tumor clonogenic assay. Matsushima Y, et al. **Anticancer Res** 1986 Sep–Oct;6(5):921–4

Comparative studies on biological activity of /+/R and /-/S enantiomers of cyclophosphamide and ifosfamide. II. Antiproliferative activity of cyclophosphamide and ifosfamide enantiomers. Paprocka M, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(3):285–91

Potentiation of RSU-1069 tumour cytotoxicity by 5-hydroxytryptamine (5-HT). Chaplin DJ. **Br J Cancer** 1986 Nov;54(5):727–31

The treatment of animal tumours and their metastases with 4-hydroxyanisole. Kanclerz A, et al. **Br J Cancer** 1986 Oct; 54(4):693–8

Response in post-menopausal patients on ICI 118630 [letter] Robertson JF, et al. **Br J Cancer** 1987 Apr;55(4):468

Enhancement of cytotoxicity of vindesine and cis-platinum for human lung tumours by the use of verapamil in vitro. Simmonds AP, et al. **Br J Cancer** 1986 Dec;54(6):1015–8

Alternating versus sequential chemotherapy in small cell lung cancer. A randomized German multicenter trial. Havemann K, et al. **Cancer** 1987 Mar 15;59(6):1072–82

Detection of bone marrow relapse in patients with small cell carcinoma of the lung. Kristjansen PE, et al. **Cancer** 1986 Dec 1;58(11):2538–41

5-Fluorouracil, doxorubicin, and mitomycin-C in the treatment of adenocarcinoma and large cell carcinoma of the lung. Shaw MT, et al. **Cancer** 1987 Sep 15;60(6):1190–3

Etoposide combination therapy for small cell carcinoma of the lung. Abratt RP, et al. **Cancer Chemother Pharmacol** 1987;20(1):83–4

Experience with 24-h infusions of ifosfamide/mesna in small cell lung cancer. Cantwell BM, et al. **Cancer Chemother Pharmacol** 1986;18 Suppl 2:S29

Bioavailability of ifosfamide in patients with bronchial carcinoma. Cerny T, et al. **Cancer Chemother Pharmacol** 1986;18(3):261–4

Experience with ifosfamide combinations (etoposide or DDP) in non-small cell lung cancer. Drings P, et al. **Cancer Chemother Pharmacol** 1986;18 Suppl 2:S34–9

Two randomized trials for alternating polychemotherapy of small cell lung cancer. Havemann K, et al. **Cancer Chemother Pharmacol** 1986;18 Suppl 2:S40–4

The effect of verapamil on the pharmacokinetics of adriamycin. Kerr DJ, et al. **Cancer Chemother Pharmacol** 1986;18(3):239–42

5-fluorouracil, adriamycin, and mitomycin-C (FAM) chemotherapy in advanced adenocarcinoma of the lung: comparison of two dosage schedules. Lam WK, et al. **Cancer Chemother Pharmacol** 1987;19(3):269–71

Phase II clinical and pharmacological study of oral 4-demethoxydaunorubicin in advanced non-pretreated small cell lung cancer. Milroy R, et al. **Cancer Chemother Pharmacol** 1987;20(1):75–7

Efficacy and tolerability of vindesine in the treatment of small-cell lung cancer. A phase II study. Morgan DA. **Cancer Chemother Pharmacol** 1986;18(2):172–3

In vitro evaluation of a new nitrosourea, TCNU, against human small cell lung cancer cell lines. Roed H, et al. **Cancer Chemother Pharmacol** 1987;19(4):315–8

Ifosfamide by bolus as treatment for advanced non-small cell lung cancer. Thatcher N, et al. **Cancer Chemother Pharmacol** 1986;18 Suppl 2:S30–3

Inhibition of the growth of human lung cancer cells by alkyl-lysophospholipid analogs. Scholar EM. **Cancer Lett** 1986 Nov;33(2):199–204

Role of free radicals in an adriamycin-resistant human small cell lung cancer cell line. Meijer C, et al. **Cancer Res** 1987 Sep 1;47(17):4613–7

Multidrug resistance in a human small cell lung cancer cell line selected in adriamycin. Mirski SE, et al. **Cancer Res** 1987 May 15;47(10):2594–8

Determinants of complete remission induction and maintenance in chemotherapy with or without irradiation of small cell lung cancer. Osterlind K, et al. **Cancer Res** 1987 May 15;47(10):2733–6

Phase II trial of mitomycin, vindesine, and hexamethylmelamine in metastatic non-small cell bronchogenic carcinoma. Bonomi PD, et al.

Cancer Treat Rep 1986 Dec;70(12):1447–8
Phase II trial of 4'-deoxydoxorubicin in advanced non-small cell lung cancer. Conley BA, et al. **Cancer Treat Rep** 1987 Sep;71(9):861–2
Cisplatin and etoposide before definitive radiation therapy for inoperable squamous carcinoma, adenocarcinoma, and large cell carcinoma of the lung: a phase I–II study of the Radiation Therapy Oncology Group. Cox JD, et al. **Cancer Treat Rep** 1986 Oct;70(10):1219–20
Phase II trial of anaxirone in advanced non-small cell lung cancer. Fiebig HH, et al. **Cancer Treat Rep** 1987 May; 71(5):539–40
Teniposide in the treatment of non-small cell lung carcinoma. Giaccone G, et al. **Cancer Treat Rep** 1987 Jan;71(1):83–5
Combination chemotherapy with ifosfamide, mitomycin, and cisplatin in advanced non-small cell lung cancer. Girón CG, et al. **Cancer Treat Rep** 1987 Sep;71(9):851–3
Phase II study of 5,6-dihydro-5-azacytidine in extensive, untreated non-small cell lung cancer. Holoye PY, et al. **Cancer Treat Rep** 1987 Sep;71(9):859–60
"Ifosfamide plus N-acetylcysteine in the treatment of small cell and non-small cell carcinoma of the lung: a Southeastern Cancer Study Group Trial" [letter] Holoye PY. **Cancer Treat Rep** 1987 Apr;71(4):431–2
Phase II study of carboplatin in previously untreated patients with metastatic small cell lung carcinoma. Jacobs RH, et al. **Cancer Treat Rep** 1987 Mar;71(3):311–2
Phase II trial of oral piritrexim (BW301U) in patients with stage III non-small cell lung cancer. Kris MG, et al. **Cancer Treat Rep** 1987 Jul–Aug;71(7–8):763–4
Phase II trial of esorubicin in patients with advanced non-small cell lung cancer. Kris MG, et al. **Cancer Treat Rep** 1987 Jul–Aug;71(7–8):783–4
Phase II study of aclarubicin in non-small cell lung cancer. Leiby JM, et al. **Cancer Treat Rep** 1987 Mar;71(3):323–4
Combined alkylators and multiple-site irradiation for extensive small cell lung cancer: a Southwest Oncology Group Study. Livingston RB, et al. **Cancer Treat Rep** 1986 Dec;70(12):1395–401
High-dose etoposide therapy for extensive small cell lung cancer: a Cancer and Leukemia Group B Study. Luikart SD, et al. **Cancer Treat Rep** 1987 May;71(5):533–4
Phase II study of acivicin in non-small cell lung cancer: a National Cancer Institute of Canada Study. Maroun JA, et al. **Cancer Treat Rep** 1986 Nov;70(11):1327–8
Treatment of non-small cell lung cancer with coumarin and cimetidine. Marshall ME, et al. **Cancer Treat Rep** 1987 Jan; 71(1):91–2
Addition of etoposide to cyclophosphamide, doxorubicin, and vincristine for remission induction and survival in patients with small cell lung cancer. Messeih AA, et al. **Cancer Treat Rep** 1987 Jan;71(1):61–6
High-dose cytarabine in small cell lung cancer. Osborne RJ, et al. **Cancer Treat Rep** 1987 Apr;71(4):417–8
Small cell carcinoma of the lung: influence of age on treatment outcome. Poplin E, et al. **Cancer Treat Rep** 1987 Mar;71(3):291–6
Phase II trial evaluating continuous infusion of etoposide, cisplatin, and hexamethylmelamine in extensive-disease small cell carcinoma of the lung. Remick SC, et al. **Cancer Treat Rep** 1987 Jun;71(6):575–80
Sudden dyspnea occurring 24 hours after mitomycin plus etoposide combination therapy. Rowinsky EK, et al. **Cancer Treat Rep** 1987 Jan;71(1):103–4
New drugs in small-cell lung cancer. Joss RA, et al. **Cancer Treat Rev** 1986 Sep;13(3):157–76 (77 ref.)
Vinca alkaloids in the treatment of non-small cell lung cancer. Sørensen JB, et al. **Cancer Treat Rev** 1987 Mar; 14(1):29–51 (97 ref.)
Slow cytotoxicity of the polysaccharide levan on tumor cells in vitro. Leibovici J, et al. **Chem Biol Interact** 1986 Nov; 60(2):191–200
Adriamycin, cyclophosphamide and etoposide (ACE) in the treatment of small cell lung cancer. Ardizzoni A, et al. **Chemioterapia** 1986 Dec;5(6):416–9
4'-Epidoxorubicin plus cisplatin as first-line therapy in the treatment of small cell bronchogenic carcinoma. Lelli G, et al. **Chemioterapia** 1987 Apr;6(2):134–6
Phase II studies on weekly cisplatinum plus epirubicin or etoposide in the treatment of advanced non-small cell bronchogenic carcinoma. Lelli G, et al. **Chemioterapia** 1986 Aug;5(4):228–31
Combination chemotherapy for non small cell lung cancer stage III M0-1 with cisplatin and vinblastine in a divided-dose schedule. Scagliotti GV, et al. **Chemioterapia** 1986 Oct;5(5):351–5
Bronchoscopic photodynamic therapy of early lung cancer [editorial] Cortese DA. **Chest** 1986 Nov;90(5):629–31
Five-year disease-free survival of a lung cancer patient treated only by photodynamic therapy. Kato H, et al. **Chest** 1986 Nov;90(5):768–70
Pharmacologic aspects of lung cancer chemotherapy. Beard DB, et al. **Clin Chest Med** 1986 Sep;7(3):505–13 (23 ref.)
Effect of high dose mitozantrone with Cronassial on the Lewis lung carcinoma and L1210 leukaemia. Hellmann K, et al. **Clin Exp Metastasis** 1987 Apr–Jun;5(2):157–63
Subrenal capsule assay of fresh human tumors: problems and pitfalls. Abrams J, et al. **Eur J Cancer Clin Oncol** 1986 Nov;22(11):1387–94
Vindesine, cisplatin, and bleomycin combination chemotherapy in non-small cell lung cancer: survival and quality of life. Bakker W, et al. **Eur J Cancer Clin Oncol** 1986 Aug;22(8):963–70
In vitro chemosensitivity of human lung cancer for vindesine. De Vries EG, et al. **Eur J Cancer Clin Oncol** 1987 Jan; 23(1):55–60
Quality of life in patients with non-small cell lung cancer treated with chemotherapy. Feld R. **Eur J Cancer Clin Oncol** 1987 Apr;23(4):357–9 (15 ref.)
Vindesine and mitomycin C in inoperable non-small cell lung cancer. Main J, et al. **Eur J Cancer Clin Oncol** 1986 Aug; 22(8):983–5
TNO6 in non small cell lung cancer [letter] Osborne RJ, et al. **Eur J Cancer Clin Oncol** 1987 Jan;23(1):109–10
Intensive chemotherapy in small cell lung cancer. Sculier JP, et al. **Eur J Cancer Clin Oncol** 1986 Dec;22(12):1417–20
Comparative responsiveness and pharmacokinctics of doxorubicin in human tumor xenografts. Wassermann K, et al. **Eur J Cancer Clin Oncol** 1987 Mar;23(3):303–9
Return to work among patients with small cell lung cancer. Bergman B, et al. **Eur J Respir Dis** 1987 Jan;70(1):49–53
High-dose etoposide for central nervous system metastases of small cell lung cancer. Preliminary results. Postmus PE, et al. **Eur J Respir Dis [Suppl]** 1987;149:65–71
Small cell lung cancer trials in the EORTC. van Zandwijk N, et al. **Eur J Respir Dis [Suppl]** 1987;149:57–62
Utilization of luteinizing hormone-releasing hormone agonist in pulmonary leiomyomatosis. Maheux R, et al. **Fertil Steril** 1987 Aug;48(2):315–7
Basis for selection of anticoagulant drugs for therapeutic trials in human malignancy. Zacharski LR. **Haemostasis** 1986; 16(3–4):300–20 (145 ref.)
The effect of hydralazine on the tumor cytotoxicity of the hypoxic cell cytotoxin RSU-1069: evidence for therapeutic gain. Chaplin DJ, et al. **Int J Radiat Oncol Biol Phys** 1987 Apr;13(4):579–85
Phase II trial of esorubicin (4' deoxydoxorubicin) in cancers of the breast, colon, kidney, lung and melanoma. Braich TA, et al. **Invest New Drugs** 1986;4(3):269–74
Oral 4-demethoxydaunorubicin (idarubicin) in bronchogenic lung cancer; phase II trial. Hochster HS, et al. **Invest New Drugs** 1986;4(3):275–8
Etoposide for small cell lung cancer. Glauber J, et al. **Iowa Med** 1987 Apr;77(4):186, 189–92
Painful oral mucosal ulcers in a patient with small cell carcinoma of the lung. Kanas RJ, et al. **J Am Dent Assoc** 1987 Jul;115(1):75–6
Modification of the effects of cytotoxic chemotherapy on the immune responses of cancer patients with a nonsteroidal, antiinflammatory drug, piroxicam. A pilot study of the Eastern Cooperative Oncology Group. Braun DP, et al. **J Biol Response Mod** 1987 Jun;6(3):331–45
Tumor inhibition by titanocene complexes: influence upon two xenografted human lung carcinomas. Köpf-Maier P. **J Cancer Res Clin Oncol** 1987;113(4):342–8
Twice weekly vindesine, a phase II study in lung cancer. Postmus PE, et al. **J Cancer Res Clin Oncol** 1987; 113(1):99–100
Canadian multicenter randomized trial comparing sequential and alternating administration of two non-cross-resistant chemotherapy combinations in patients with limited small-cell carcinoma of the lung. Feld R, et al. **J Clin Oncol** 1987 Sep;5(9):1401–9
High-dose cisplatin in hypertonic saline: reduced toxicity of a modified dose schedule and correlation with plasma pharmacokinetics. A Northern California Oncology Group Pilot Study in non-small-cell lung cancer. Gandara DR, et al. **J Clin Oncol** 1986 Dec;4(12):1787–93
Evaluation of three biochemical markers for serially monitoring the therapy of small-cell lung cancer. Ganz PA, et al. **J Clin Oncol** 1987 Mar;5(3):472–9
The superiority of combination chemotherapy including etoposide based on in vivo cell cycle analysis in the treatment of extensive small-cell lung cancer: a randomized trial of 288 consecutive patients. Hirsch FR, et al. **J Clin Oncol** 1987 Apr;5(4):585–91
High-dose induction chemotherapy with cyclophosphamide, etoposide, and cisplatin for extensive-stage small-cell lung cancer. Johnson DH, et al. **J Clin Oncol** 1987 May; 5(5):703–9
Multimodal therapy for limited small-cell lung cancer: a randomized study of induction combination chemotherapy with or without thoracic radiation in complete responders; and with wide-field versus reduced-field radiation in partial responders: a Southwest Oncology Group Study. Kies MS, et al. **J Clin Oncol** 1987 Apr;5(4):592–600
A randomized study comparing a high and a standard dose of cisplatin in combination with etoposide in the treatment of advanced non-small-cell lung carcinoma. Klastersky J, et al. **J Clin Oncol** 1986 Dec;4(12):1780–6
Effects of brain irradiation and chemotherapy on myelosuppression in small-cell lung cancer. Lee JS, et al. **J Clin Oncol** 1986 Nov;4(11):1615–9
Frequency and prognostic importance of pretreatment clinical characteristics in patients with advanced non-small-cell lung cancer treated with combination chemotherapy. O'Connell JP, et al. **J Clin Oncol** 1986 Nov; 4(11):1604–14
Carboplatin (Paraplatin; JM8) and etoposide (VP-16) as first-line combination therapy for small-cell lung cancer. Smith IE, et al. **J Clin Oncol** 1987 Feb;5(2):185–9
Chemotherapy for adenocarcinoma of the lung (WHO III): A randomized study of vindesine versus lomustine, cyclophosphamide, and methotrexate versus all four drugs. Sørensen JB, et al. **J Clin Oncol** 1987 Aug;5(8):1169–77
A phase I–II study of bialkylator chemotherapy, high-dose thiotepa, and cyclophosphamide with autologous bone marrow reinfusion in patients with advanced cancer. Williams SF, et al. **J Clin Oncol** 1987 Feb;5(2):260–5
Macrophage involvement in the antitumor activity of a synthetic acyltripeptide (FK-565) against experimental lung carcinoma metastases. Schultz RM, et al. **J Immunopharmacol** 1986;8(4):515–28
Potential antitumor agents. 50. In vivo solid-tumor activity of derivatives of N-[2-(dimethylamino)ethyl]acridine-4-carboxamide. Atwell GJ, et al. **J Med Chem** 1987 Apr;30(4):664–9
Potential antitumor agents. 49. 5-substituted derivatives of N-[2-(dimethylamino)ethyl]-9-aminoacridine-4-carboxamide with in vivo solid-tumor activity. Denny WA, et al. **J Med Chem** 1987 Apr;30(4):658–63
Five-year survival following chemotherapy of non-small cell lung cancer. Baraniewski HM, et al. **J Med Clin Exp Theor** 1987;18(1):61–6
In vitro chemosensitivity patterns of carcinoma of the lung in human tumor clonogenic assay. Kanzawa F, et al. **J Pharmacobiodyn** 1986 Sep;9(9):715–21
Combination chemotherapy of squamous cell carcinoma of the bronchus with cisplatinum and bleomycin followed by radiotherapy: results of a pilot study. Karp SJ, et al. **J R Soc Med** 1986 Oct;79(10):588–92
Resistance of cultured Lewis lung carcinoma cell lines to tiazofurin. Finlay GJ, et al. **JNCI** 1987 Aug;79(2):291–6
A case report of synchronous small cell lung cancer and gastric cancer successfully treated with carboplatin. Sano T, et al. **Jpn J Cancer Res** 1986 Aug;77(8):790–8
Cisplatin and vindesine combination chemotherapy for non-small cell lung cancer: a randomized trial comparing two dosages of cisplatin. Shinkai T, et al. **Jpn J Cancer Res** 1986 Aug;77(8):782–9
Cytogenetic effects of multiagent chemotherapy on the peripheral lymphocytes of patients with small cell lung cancer. Tominaga K, et al. **Jpn J Cancer Res** 1986 Dec; 77(12):1241–8
A case of adenocarcinoma of the lung which was successfully treated by chemotherapy with patient survival without recurrence for more than three years. Akiba T, et al. **Jpn J Clin Oncol** 1987 Jun;17(2):165–72
A case report of adenocarcinoma of the lung in which a partial response was achieved by carboplatin. Akiba T, et al. **Jpn J Clin Oncol** 1987 Jun;17(2):173–8
Alternating non-cross resistant chemotherapy for small cell lung cancer. Fukuoka M, et al. **Jpn J Clin Oncol** 1986 Sep; 16(3):261–70
A trial of chemotherapy for lung cancer in short-term hospitalization. Miyaoka H, et al. **Jpn J Clin Oncol** 1986 Dec;16(4):347–50
Randomized trial comparing chemotherapy alone and chemotherapy plus chest irradiation in limited stage small cell lung cancer: a preliminary report. Ohnoshi T, et al. **Jpn J Clin Oncol** 1986 Sep;16(3):271–7
Chemosensitivity test for human small cell lung cancer cell lines in vitro. Takahashi H, et al. **Jpn J Clin Oncol** 1986 Sep;16(3):253–60
Effects of a blended Chinese medicine, xiao-chai-hu-tang, on Lewis lung carcinoma growth and inhibition of lung metastasis, with special reference to macrophage activation. Ito H, et al. **Jpn J Pharmacol** 1986 Jul;41(3):307–14
Bronchoscopic phototherapy with hematoporphyrin derivative for treatment of localized bronchogenic carcinoma: a 5-year experience. Edell ES, et al. **Mayo Clin Proc** 1987 Jan;62(1):8–14
Infections in patients with non-small-cell lung cancer treated with intensive induction chemotherapy. Fuks JZ, et al. **Med Pediatr Oncol** 1986;14(5):255–61
Treatment strategies in relation to drug action. Muggia FM, et al. **NCI Monogr** 1987;(4):129–33
Antimetastatic effect of flurbiprofen and other platelet aggregation inhibitors. Mamytbeková A, et al. **Neoplasma** 1986;33(4):417–21
Drug resistance in medical oncology. Zijlstra JG, et al. **Neth J Med** 1987 Feb;30(1–2):85–93 (67 ref.)
Lymphangioleiomyomatosis: treatment with hormonal manipulation. Brock ET, et al. **NY State J Med** 1986 Oct; 86(10):533–6
Liposomes as carrier of methyl-GAG. Increased antitumor activity and reduced hypoglycemia in mice. Arndt D, et al. **Oncology** 1987;44(4):257–62
Chemotherapy of metastatic ameloblastoma. A case report and review of the literature. Lanham RJ. **Oncology** 1987; 44(2):133–4
Treatment of disseminated non-small cell lung cancer. Guidelines for the practicing physician. Lyss AP. **Postgrad Med** 1986 Nov 1;80(6):119–27 (21 ref.)
Cytokinetic resistance of Lewis lung carcinoma to cyclophosphamide and the amsacrine derivative CI-921. Baguley BC, et al. **Prog Clin Biol Res** 1986;223:47–61
The impact of chemotherapy on small cell carcinoma of the bronchus. Smyth JF, et al. **Q J Med** 1986 Oct; 61(234):969–76
Prognostic factors in patients with small-cell carcinoma of the lung. Chasen MR, et al. **S Afr Med J** 1986 Dec 20; 70(13):812–4
New developments in the treatment of lung cancer. Proceedings of a symposium. March 1986, St. Thomas, US Virgin Islands. **Semin Oncol** 1986 Sep;13(3 Suppl 3):1–124

Doxorubicin, cyclophosphamide, etoposide and platinum, doxorubicin, cyclophosphamide and etoposide for small-cell carcinoma of the lung. Aisner J, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 3):54–62 (50 ref.)

Brief overview of combination chemotherapy in non-small-cell lung cancer. Bonomi P. **Semin Oncol** 1986 Sep;13(3 Suppl 3):89–91 (15 ref.)

Cyclophosphamide, doxorubicin, and etoposide as first-line therapy in the treatment of small-cell lung cancer. Bunn PA Jr, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 3):45–53

Oral etoposide in small-cell lung cancer. Comis RL. **Semin Oncol** 1986 Sep;13(3 Suppl 3):75–8 (16 ref.)

Clinical trials of cyclophosphamide, etoposide, and vincristine in the treatment of small-cell lung cancer. Comis RL. **Semin Oncol** 1986 Sep;13(3 Suppl 3):40–4 (9 ref.)

Cisplatin plus VP-16 in small-cell lung cancer. Einhorn LH. **Semin Oncol** 1986 Sep;13(3 Suppl 3):3–4 (18 ref.)

Initial therapy with cisplatin plus VP-16 in small-cell lung cancer. Einhorn LH. **Semin Oncol** 1986 Sep;13(3 Suppl 3):5–9 (12 ref.)

Outpatient administration of VP-16 and cisplatin. Evans TL. **Semin Oncol** 1986 Sep;13(3 Suppl 3):79–82 (30 ref.)

The use of VP-16 plus cisplatin during induction chemotherapy for small-cell lung cancer. Evans WK, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 3):10–6 (23 ref.)

First-line therapy with VP-16 and cisplatin for small-cell lung cancer. Evans WK, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 3):17–23

Rationale for chemotherapy for patients with advanced non-small-cell lung cancer. Greco FA. **Semin Oncol** 1986 Sep;13(3 Suppl 3):92–6

High-dose pilot studies in extensive-stage small-cell lung cancer. Johnson DH, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 3):37–9

Therapy with cisplatin and etoposide for non-small-cell lung cancer. Klastersky J. **Semin Oncol** 1986 Sep;13(3 Suppl 3):104–14 (80 ref.)

A multicenter phase II trial of cisplatin and oral etoposide (VP-16) in inoperable non-small-cell lung cancer. Splinter T, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 3):97–103

Preoperative and adjuvant chemotherapy in locally advanced non-small cell lung cancer. Kris MG, et al. **Surg Clin North Am** 1987 Oct;67(5):1051–9

Short duration combination chemotherapy in the treatment of small cell lung cancer. Dorward AJ, et al. **Thorax** 1986 Sep;41(9):688–91

Cisplatin plus vindesine versus cisplatin plus VP16 versus doxorubicin plus cytoxan in non-small-cell carcinoma of the lung. A randomized study. Paccagnella A, et al. **Tumori** 1986 Aug 31;72(4):417–25

[Fiberoptic bronchoscopy-argon laser treatment of bronchogenic carcinoma (31 cases)] Deng WW. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Dec;9(6):338–40, 382 (Eng. Abstr.) **(Chi)**

[Chemotherapy combined with selective resection in small cell lung cancer--analysis of 239 patients] Cao YF, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Sep;8(5):381–5 (Eng. Abstr.) **(Chi)**

[Short term result of lung cancer treated by photodynamic therapy (PDT)] Liang YM, et al. **Chung Hua Chung Liu Tsa Chih** 1987 Jan;9(1):50–2 (Eng. Abstr.) **(Chi)**

[CMC chemotherapy regimen combined with surgery of small cell lung cancer (SCLC)] Liao ML, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Nov;8(6):453–5 (Eng. Abstr.) **(Chi)**

[Selective bronchial artery perfusion with cisplatin in the treatment of inoperable bronchogenic carcinoma] Liu ZJ. **Chung Hua Fang She Hsueh Tsa Chih** 1987 Feb;21(1):4–7 (Eng. Abstr.) **(Chi)**

[Selective bronchial arteriography and therapeutic infusion] Li LS. **Chung Hua I Hsueh Tsa Chih** 1986 Apr;66(4):214–6, 254 (Eng. Abstr.) **(Chi)**

[Lewis lung cancer of mice treated with Cordyceps sinensis and its artificial cultured mycelia] Zhang SL. **Chung Yao Tung Pao** 1987 Feb;12(2):53–4 **(Chi)**

[Selectively antimetastatic effects of aryltriazene methoxypyrimidine on Lewis lung carcinoma] Jiang C, et al. **Yao Hsueh Hsueh Pao** 1986 Apr;21(4):256–9 (Eng. Abstr.) **(Chi)**

[Prophylacticly antimetastatic effects of aryltriazene methoxypyrimidine on Lewis lung carcinoma and its histological and ultrastructural observation] Jiang C, et al. **Yao Hsueh Hsueh Pao** 1986 Aug;21(8):623–6 (Eng. Abstr.) **(Chi)**

[Pain treatment via an axillary catheter. Local anesthetic administered for repeated axillary block and as continuous infusion via an infusion pump] Lybecker H, et al. **Ugeskr Laeger** 1987 Mar 16;149(12):780–1 (Eng. Abstr.) **(Dan)**

[2 cases of pneumoblastoma with pulmonary metastases responsive to chemotherapy (letter)] Piedbois P, et al. **Presse Med** 1987 Feb 21;16(6):314 **(Fre)**

[Does chemotherapy bring real benefit to patients with inoperable bronchial epidermoid cancer?] Depierre A. **Rev Mal Respir** 1986;3(4):169–71 **(Fre)**

[Inoperable non-small cell bronchopulmonary cancers. Results of ambulatory polychemotherapy including cisplatin] Marin I, et al. **Rev Pneumol Clin** 1986; 42(4):169–72 (Eng. Abstr.) **(Fre)**

[Therapy of primary resistant or recurrent small cell bronchial carcinoma with vindesine and ifosfamide] Höfeler H, et al. **Dtsch Med Wochenschr** 1986 Dec 19; 111(51–52):1961–6 (Eng. Abstr.) **(Ger)**

[10 years' therapy of bronchial carcinoma] Drings P. **Onkologie** 1986 Oct;9 Suppl 2:57–64 **(Ger)**

[Perioperative adjuvant chemotherapy with bleomycin in bronchogenic squamous cell cancer. A prospective randomized study] Jüttner FM, et al. **Onkologie** 1986 Oct; 9(5):250–3 (Eng. Abstr.) **(Ger)**

[Chemotherapy of non-small cell bronchial cancer with mitomycin C, vindesine and cisplatin. Results of a phase II study] Koschel G, et al. **Onkologie** 1987 Apr;10(2):90–5 (Eng. Abstr.) **(Ger)**

[Chance for prolonging life and decreasing the quality of life by intensive chemotherapy] Schreml W. **Verh Dtsch Ges Inn Med** 1986;92:439–46 **(Ger)**

[Preoperative (neoadjuvant) chemotherapy of small cell bronchial cancer] Konrad RM, et al. **Zentralbl Chir** 1987; 112(3):157–65 (Eng. Abstr.) **(Ger)**

[Hematological toxicity and nandrolone decanoate during polychemotherapy of bronchogenic carcinoma. Preliminary note] de Sanctis C, et al. **Clin Ter** 1986 Aug 15;118(3):183–6 (Eng. Abstr.) **(Ita)**

[A cisplatin and etoposide combination in small cell anaplastic carcinoma of the lung] Nuzzo A, et al. **Clin Ter** 1987 Feb 28;120(4):299–302 (Eng. Abstr.) **(Ita)**

[Laser-photo-radiotherapy in the treatment malignant tumors] Tomio L, et al. **Radiol Med (Torino)** 1987 Apr; 73(4):313–6 (Eng. Abstr.) **(Ita)**

[A case of breast carcinoma with lung metastasis] Okayasu T, et al. **Gan No Rinsho** 1987 Jun;33(6):720–2 (Eng. Abstr.) **(Jpn)**

[A case report of hyperlipemia with giant fatty liver during adjuvant endocrine therapy by tamoxifen] Taniya T, et al. **Gan No Rinsho** 1987 Mar;33(3):300–4 (Eng. Abstr.) **(Jpn)**

[Antiemetic effects of combinations of metoclopramide, droperidol and dexamethasone for the prevention of cisplatin-induced gastro-intestinal toxicity: a randomized crossover trial] Fujii M, et al. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2257–61 (Eng. Abstr.) **(Jpn)**

[A randomized trial comparing vindesine plus cisplatin with mitomycin C, vindesine plus cisplatin in patients with advanced non-small cell lung cancer] Fujii M, et al. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2676–81 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy with mitomycin C, adriamycin and cisplatin (MAP) in advanced adenocarcinoma of the lung: clinical effect and renal toxicity] Fujii M, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):105–8 (Eng. Abstr.) **(Jpn)**

[Serial measurements of serum carcinoembryonic antigen (CEA) and neuron-specific enolase (NSE) during chemotherapy of patients with inoperable lung cancer] Fukuoka M, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):871–80 (Eng. Abstr.) **(Jpn)**

[FO-152] Furue H, et al. **Gan To Kagaku Ryoho** 1987 Jul; 14(7):2251–6 (Eng. Abstr.) **(Jpn)**

[Clinical results of treatment with the UFT fine granule preparation under cooperative study. Tokyo Cancer Chemotherapy Cooperative Study Group] Futatsuki K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1274–80 (Eng. Abstr.) **(Jpn)**

[A combination chemotherapy of cisplatin and etoposide in small cell lung cancer] Honda R, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):2965–9 (Eng. Abstr.) **(Jpn)**

[UFT in the treatment of primary lung cancer--5-FU concentration in the tissue and side effects] Kato H, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1866–70 (Eng. Abstr.) **(Jpn)**

[Anti-emetic treatment with metoclopramide and other drugs during CDDP therapy] Kodama N, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):159–64 (Eng. Abstr.) **(Jpn)**

[A chemotherapy regimen including CDDP in patients with bronchogenic carcinoma--a comparison between bronchial artery infusion and intravenous administration] Komatsu H, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(11):3175–9 (Eng. Abstr.) **(Jpn)**

[MEP therapy of advanced lung cancer] Komuro Y, et al. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2688–91 (Eng. Abstr.) **(Jpn)**

[Two-route chemotherapy using the anticancer drug cis-diamminedichloroplatinum(II) and its antidote, sodium thiosulfate] Kuroiwa T, et al. **Gan To Kagaku Ryoho** 1987 Apr;14(4):1011–7 (Eng. Abstr.) **(Jpn)**

[A randomized control study of the antiemetic efficacy of betamethasone versus methylprednisolone] Matsui K, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):3005–9 (Eng. Abstr.) **(Jpn)**

[A case of relapsed gastric cancer treated successfully by chemotherapy--lung metastasis and relapsed cancer in the hepatic portal system] Nagamatsu Y, et al. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3527–31 (Eng. Abstr.) **(Jpn)**

[A randomized trial with various combinations of cis-platinum (CDDP), mitomycin C (MMC), peplomycin (PEP) and ftorafur (FT) in the treatment of non-small cell lung cancer] Nakabayashi T, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):2998–3004 (Eng. Abstr.) **(Jpn)**

[Phase II study of bronchial artery infusion of mitomycin C in non-small cell lung cancer] Nakamura Y, et al. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3436–9 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy with cyclophosphamide, adriamycin, cisplatin, nimustine, and methotrexate (EACAM) in advanced adenocarcinoma of the lung] Nakanishi F, et al. **Gan To Kagaku Ryoho** 1986 Dec; 13(12):3413–8 (Eng. Abstr.) **(Jpn)**

[Combination therapy of high-dose carboquone and OK-432 in unresectable non-small cell lung cancer] Nakarai I, et al. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3508–12 (Eng. Abstr.) **(Jpn)**

[A phase I study of carboplatin] Ogawa M, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1292–6 (Eng. Abstr.) **(Jpn)**

[A phase II study of vindesine for pretreated non-small cell lung cancer] Shimizu E, et al. **Gan To Kagaku Ryoho** 1987 Aug;14(8):2532–6 (Eng. Abstr.) **(Jpn)**

[A phase II study of UFT in non-small cell lung cancer] Shimizu E, et al. **Gan To Kagaku Ryoho** 1986 Oct; 13(10):2970–3 (Eng. Abstr.) **(Jpn)**

[Ifomide] Tsukagoshi S. **Gan To Kagaku Ryoho** 1987 Jan; 14(1):205–9 **(Jpn)**

[Present state and prospectives in the diagnosis and therapy of lung neoplasms. 6. Internal therapy--with special reference to chemotherapy of small cell carcinoma] Asakawa M. **Hokkaido Igaku Zasshi** 1987 Mar;62(2):216–9 **(Jpn)**

[Evaluation of the combined procedure of Hp-D (hematoporphyrin derivative) phototherapy and radiation therapy in advanced lung cancer] Ono R, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Oct 20;21(9):2189–95 (Eng. Abstr.) **(Jpn)**

[Informed consent in patients with lung cancer--based on the questionnaire in Japan] Tazawa H, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Dec 20;21(10):2454–9 (Eng. Abstr.) **(Jpn)**

[Indication and evaluation of effectiveness of the HpD (hematoporphyrin-derivative) phototherapy in lung cancer] Ono R, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Jul 25; 46(7):919–25 (Eng. Abstr.) **(Jpn)**

[Therapeutic efficacy and pharmacokinetics of cisplatin in patients with non-small cell lung cancer] Fukuoka M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan; 25(1):44–9 (Eng. Abstr.) **(Jpn)**

[Treatment of extensive-stage small cell carcinoma of the lung in aged patients] Hiraki S, et al. **Nippon Ronen Igakkai Zasshi** 1986 Nov;23(6):616–7 **(Jpn)**

[Polychemotherapy using methotrexate, adriamycin, cyclophosphamide and CCNU (MACC) in patients with advanced adenocarcinoma and large cell carcinoma of the lung] Karnicka-Młodkowska H, et al. **Pneumonol Pol** 1986 Dec;54(12):546–51 (Eng. Abstr.) **(Pol)**

[Results of chemotherapy of patients with lung cancer] Pawlicki M, et al. **Pneumonol Pol** 1986 Jun;54(6):227–30 (Eng. Abstr.) **(Pol)**

[Interstitial pneumonia as the cause of death during treatment of small-cell lung cancer] Szczepek B, et al. **Pneumonol Pol** 1986 Nov;54(11):510–21 (Eng. Abstr.) **(Pol)**

[Vepeside (VP-16-213) in the treatment of bronchopulmonary cancer (preliminary data)] Anastasatu C, et al. **Rev Ig [Pneumoftiziol]** 1987 Jan-Mar;36(1):41–56 (Eng. Abstr.) **(Rum)**

[Polychemotherapy of small-cell bronchopulmonary cancer. The advantages of adding the selective cytostatic Riaval] Păunescu E, et al. **Rev Ig [Pneumoftiziol]** 1986 Jul-Sep; 35(3):233–42 (Eng. Abstr.) **(Rum)**

[Cytotoxic action of doxorubicin and daunomycin on human lung cancer cells] Potapov IuN, et al. **Antibiot Med Biotekhnol** 1986 Aug;31(8):614–7 (Eng. Abstr.) **(Rus)**

[Growth and metastasis of Lewis' lung carcinoma in mice under the pharmacological action on metabolism and the effects of kinins] Veksler IG, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):79–81 (Eng. Abstr.) **(Rus)**

[Antimetastatic action of bacterial endotoxins and changes in the activity of the enzymes of purine metabolism in macrophages] Umanskiĭ VIu, et al. **Eksp Onkol** 1986; 8(4):54–6 (Eng. Abstr.) **(Rus)**

[Effect of induced hyperglycemia on the metastasis of RL-67 lung carcinoma] Zhavrid EA, et al. **Eksp Onkol** 1986; 8(4):57–9 (Eng. Abstr.) **(Rus)**

[The use of levamisole (decaris) in patients with inoperable lung cancer] Pivniuk VM, et al. **Vopr Onkol** 1987;33(5):82–6 (Eng. Abstr.) **(Rus)**

[Treatment of microcytic carcinoma of the lung with vincristine, adriamycin, cyclophosphamide and VP-16] Sangro Gómez-Acebo B, et al. **Rev Clin Esp** 1986 Oct; 179(6):296–301 (Eng. Abstr.) **(Spa)**

[Treatment of non-small cell cancer of the lung with a combination of cisplatin-VP-16 and mitomycin C] Arraztoa J, et al. **Rev Med Chil** 1987 Jan;115(1):31–6 (Eng. Abstr.) **(Spa)**

ECONOMICS

Smoking. Part I: Economic and health costs. Prince DS, et al. **Md Med J** 1986 Sep;35(9):741–3

[Economic evaluation of the treatment of patients with

early-stage lung cancer] Vagner RI, et al. **Sov Med** 1986; (12):89–91 **(Rus)**

ENZYMOLOGY

Fluorescence demonstration of cathepsin B-like cysteine proteinase activity in lung squamous cell carcinomas and surrounding tissues. Kolář Z.
Acta Univ Palacki Olomuc Fac Med 1986;114:203–9

Use of the oxidase electrode to determine tumor cell metabolism of peroxide. Donahue L, et al.
Adv Exp Med Biol 1986;200:573–81

Neuron-specific enolase. Assessment by ELISA in patients with small cell carcinoma of the lung [published erratum appears in Am J Clin Pathol 1987 Jul;88(1):121] Anastasiades KD, et al. **Am J Clin Pathol** 1987 Feb; 87(2):245–9

Plasma angiotensin-converting enzyme activity in patients with bronchial carcinoma. Roulston JE, et al.
Br J Dis Chest 1986 Jul;80(3):229–34

Enhanced thermal stability of lysosomal beta-D-galactosidase in parenchymal cells of tumour bearing mice. Lenti L, et al. **Br J Exp Pathol** 1986 Dec; 67(6):793–9

Isoenzyme pattern of enolase in the diagnosis of neuroendocrine bronchopulmonary tumors. Batandier C, et al. **Cancer** 1987 Aug 15;60(4):838–43

Evaluation of gamma-enolase as a tumor marker for lung cancer. Fujita K, et al. **Cancer** 1987 Aug 1;60(3):362–9

Reassessment of creatine kinase BB as a marker for cancer of the prostate, breast, and lung. Wong SS, et al.
Clin Chem 1987 Jun;33(6):809–11

Determination of creatine kinase isozymes in sera and tissues of patients with various lung carcinomas. Usui A, et al.
Clin Chim Acta 1987 Apr 15;164(1):47–53

Doubling time of neuron-specific enolase and survival in small cell lung cancer patients. Results of a preliminary analysis. Splinter TA, et al. **Eur J Respir Dis [Suppl]** 1987; 149:37–44

Superoxide dismutase level in human erythrocytes and its clinical application to the patients with cancers and thyroidal dysfunctions. Saito T. **Hokkaido Igaku Zasshi** 1987 Mar;62(2):257–68

Aryl hydrocarbon hydroxylase in lymphocytes and lung tissue from lung cancer patients and controls. Kärki NT, et al. **Int J Cancer** 1987 May 15;39(5):565–70

Phosphorylation of human lysosomal arylsulfatase B by cAMP-dependent protein kinase. Different sites of phosphorylation between normal and cancer tissues. Gasa S, et al. **J Biol Chem** 1987 Jan 25;262(3):1230–8

Creatine kinase BB isoenzyme as a marker of CNS metastases in patients with small-cell lung cancer [letter] Matias-Guiu J, et al. **J Clin Oncol** 1987 Jan;5(1):160–1

Elevated atypical creatine kinases [letter] **JAMA** 1986 Dec 19;256(23):3215–6

Biological and clinical implication of neuron-specific enolase and creatine kinase BB in small cell lung cancer. Ariyoshi Y, et al. **Jpn J Clin Oncol** 1986 Sep;16(3):213–21

[Simultaneous presence of isoenzymes CK-BB and CKm of serum creatine kinase in small-cell bronchopulmonary cancer. Limitations of the use of M subunit immuno-inhibition technics (letter)] Hassanaly F, et al.
Ann Biol Clin (Paris) 1986;44(4):412–4 **(Fre)**

[Serum neuron-specific enolase (NSE) in patients with small cell lung cancer—comparison with carcinoembryonic antigen (CEA)] Kawahara M, et al.
Gan To Kagaku Ryoho 1987 Jan;14(1):146–51 (Eng. Abstr.) **(Jpn)**

[Phosphorylation of lysosomal hydrolases in human cancer and its significance] Makita A, et al.
Gan To Kagaku Ryoho 1987 Jun;14(6 Pt 2):2002–9 (Eng. Abstr.) **(Jpn)**

[Evaluation of gamma-enolase as a tumor marker for lung cancer] Fujita K, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1986 May; 24(5):513–21 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Respiratory hazard from removal of ceramic fiber insulation from high temperature industrial furnaces [letter]
Am Ind Hyg Assoc J 1987 Jan;48(1):A16, A18

Risk factors for adenocarcinoma of the lung [published erratum appears in Am J Epidemiol 1987 Aug;126(2):363] Brownson RC, et al. **Am J Epidemiol** 1987 Jan;125(1):25–34

Diet and lung cancer risk: findings from the Western New York Diet Study. Byers TE, et al. **Am J Epidemiol** 1987 Mar;125(3):351–63

Passive smoking and lung cancer in Swedish women. Pershagen G, et al. **Am J Epidemiol** 1987 Jan;125(1):17–24

Asthma and cancer [letter] Reynolds P, et al.
Am J Epidemiol 1987 Mar;125(3):539–40

Advances in asbestos disease research. Common practical problems: panel discussion. Baum GL, et al.
Am J Ind Med 1986;10(5–6):563–72

Accumulation of long asbestos fibers in the peripheral upper lobe in cases of malignant mesothelioma. Churg A, et al.
Am J Ind Med 1987;11(5):563–9

Silica, silicosis and lung cancer among ceramic workers: a case-referent study. Forastiere F, et al. **Am J Ind Med** 1986;10(4):363–70

A case-referent study of lung tumors in non-asbestos textile workers. Paci E, et al. **Am J Ind Med** 1987;11(3):267–73

Marriage to a smoker and lung cancer risk. Humble CG, et al. **Am J Public Health** 1987 May;77(5):598–602

Smoking and lung cancer in New Mexico [letter] Humble CG, et al. **Am J Public Health** 1986 Nov;76(11):1361

Lung cancer risk from indoor exposures to radon daughters. **Ann ICRP** 1987;17(1):1–60

Airways obstruction and the risk for lung cancer. Tockman MS, et al. **Ann Intern Med** 1987 Apr;106(4):512–8

Fine biogenic silica fibres in sugar cane: a possible hazard. Newman RH. **Ann Occup Hyg** 1986;30(3):365–70

Diseases associated with the inhalation of asbestos dust. Davies CN. **Arh Hig Rada Toksikol** 1986 Jun;37(2):253–74 (75 ref.)

Passive smoking [letter] Lee PN. **Br J Cancer** 1986 Dec; 54(6):1019–21

Does breathing other people's tobacco smoke cause lung cancer? [letter] **Br Med J [Clin Res]** 1986 Dec 6; 293(6560):1503–4

Does breathing other people's tobacco smoke cause lung cancer? Wald NJ, et al. **Br Med J [Clin Res]** 1986 Nov 8;293(6556):1217–22

Statement and resolution on tobacco and health. Committee of Public Health. The New York Academy of Medicine. **Bull NY Acad Med** 1986 Dec;62(10):1028–32

Pulmonary metabolism of mutagens and its relationship with lung cancer and smoking habits. De Flora S, et al.
Cancer Res 1987 Sep 1;47(17):4740–5

COPD: causes, treatment, and risk for lung cancer. Skillrud DM. **Compr Ther** 1986 Nov;12(11):13–6

Workshop on the Contribution of Airborne Pollutants to Respiratory Cancer. July 15–19, 1985, Snowbird, Utah. Proceedings. **Environ Health Perspect** 1986 Dec;70:1–83

Radiation effects in the lung. Coggle JE, et al.
Environ Health Perspect 1986 Dec;70:261–91 (312 ref.)

Contribution of radon and radon daughters to respiratory cancer. Harley N, et al. **Environ Health Perspect** 1986 Dec; 70:17–21

Contribution of passive smoking to respiratory cancer. Kuller LH, et al. **Environ Health Perspect** 1986 Dec;70:57–69

Contribution of environmental fibers to respiratory cancer. Omenn GS, et al. **Environ Health Perspect** 1986 Dec; 70:51–6

Overview of the risk of respiratory cancer from airborne contaminants. Speizer FE. **Environ Health Perspect** 1986 Dec;70:9–15

Silicosis and risk of lung cancer or lung tuberculosis: a cohort study. Westerholm P, et al. **Environ Res** 1986 Oct; 41(1):339–50

Lung cancer risk from Rn in Chinese study [letter] Archer VE. **Health Phys** 1987 Jun;52(6):823

Lung cancer risk at low doses of alpha particles. Hofmann W, et al. **Health Phys** 1986 Oct;51(4):457–68

Quantitative risk assessment of lung cancer in U.S. uranium miners. Hornung RW, et al. **Health Phys** 1987 Apr; 52(4):417–30

Cigarette smoke and lung cancer. Martonen TB, et al.
Health Phys 1987 Feb;52(2):213–7 (35 ref.)

Comment on 'An epidemiological analysis of the relationship between exposure to Rn progeny, smoking and bronchogenic carcinoma' [letter] Watson JE Jr.
Health Phys 1987 Apr;52(4):497

The combined effects of smoking and other agents. Berrino F. **IARC Sci Publ** 1986;(74):167–71

Influence of dose and duration of smoking on lung cancer rates. Peto R. **IARC Sci Publ** 1986;(74):23–33

Passive smoking and lung cancer. Saracci R.
IARC Sci Publ 1986;(74):173–82

Indoor exposure to radon from the ground and bronchial cancer in women. Svensson C, et al.
Int Arch Occup Environ Health 1987;59(2):123–31

Measurements of passive smoking and estimates of lung cancer risk among non-smoking Chinese females. Koo LC, et al. **Int J Cancer** 1987 Feb 15;39(2):162–9

Preliminary studies of the interaction between 239PuO2 and cigarette smoke in the mouse lung. Talbot RJ, et al.
Int J Radiat Biol 1987 Jun;51(6):1101–10

The hazards of passive smoke. England MJ.
J Am Med Wom Assoc 1987 Mar-Apr;42(2):36–7, 60

Radon gas and radon daughters pose potential environmental hazard. Brill DR. **J Nucl Med** 1987 Jul;28(7):1095–8

EPA guideline for indoor radon levels evokes response from nuclear medicine. Hanson B. **J Nucl Med** 1987 Jul; 28(7):1087–94

Passive smoking and lung cancer. Blot WJ, et al. **JNCI** 1986 Nov;77(5):993–1000 (53 ref.)

Occupation and lung cancer risk among New Jersey white males. Schoenberg JB, et al. **JNCI** 1987 Jul;79(1):13–21

Case-control study on histologically determined multiple primary lung cancer. Sugimura H, et al. **JNCI** 1987 Sep; 79(3):435–41

Second malignancies and Hodgkin's disease [letter] Cheyne AJ, et al. **Lancet** 1987 Aug 22;2(8556):456

Passive smoking [letter] Crawford WA. **Med J Aust** 1987 Feb 2;146(3):174–5, 179

Serum beta-carotene, vitamins A and E, selenium, and the risk of lung cancer. Menkes MS, et al. **N Engl J Med** 1986 Nov 13;315(20):1250–4

Passive smoking [letter] Kent D. **NZ Med J** 1986 Sep 24; 99(810):728

Lung cancer risk and diesel exhaust exposure. Fraser D.
Public Health Rev 1986;14(2):139–71 (95 ref.)

Radiation carcinogenesis: time-dose relationships. Ullrich RL, et al. **Radiat Res** 1987 Jul;111(1):179–84

Asbestos lung cancer risks: comparison of animal and human extrapolations. Rowe JN, et al. **Risk Anal** 1986 Jun; 6(2):171–80

Previous asbestos exposure and smoking habits in the county of Telemark, Norway—a cross-sectional population study. Hilt B, et al. **Scand J Work Environ Health** 1986 Dec; 12(6):561–6

Smoking among Finnish pulp and paper workers—evaluation of its confounding effect on lung cancer and coronary heart disease rates. Jäppinen P, et al.
Scand J Work Environ Health 1986 Dec;12(6):619–26

Influence of smoking habits and place of residence on the risk of lung cancer among workers in one rock-wool producing plant in Denmark. Olsen JH, et al.
Scand J Work Environ Health 1986;12 Suppl 1:48–52

Is passive smoking increasing cancer risk? Vainio H.
Scand J Work Environ Health 1987 Jun;13(3):193–6 (36 ref.)

Risk from exposure to asbestos [letter] Aroesty J, et al.
Science 1986 Nov 21;234(4779):923

Occupational lung cancer. Cone JE.
State Art Rev Occup Med 1987 Apr-Jun;2(2):273–95

Misclassification of environmental tobacco smoke exposure: its potential influence on studies of environmental tobacco smoke and lung cancer. Kilpatrick SJ Jr. **Toxicol Lett** 1987 Jan;35(1):163–8

Lung cancer and passive smoking: association of an artefact due to misclassification of smoking habits? Lee PN.
Toxicol Lett 1987 Jan;35(1):157–62

[An investigation of lung cancer among asbestos workers] Wang ZM, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Mar;17(1):37–40 (Eng. Abstr.) **(Chi)**

[Are pleural plaques predictors of lung cancer?] Lander F.
Ugeskr Laeger 1986 Oct 27;148(44):2827–8 (Eng. Abstr.) **(Dan)**

[Retrospective evaluation of occupational exposure in epidemiologic studies. Use of the Delphi method] Goldberg M, et al. **Rev Epidemiol Sante Publique** 1986;34(4–5):245–51 (Eng. Abstr.) **(Fre)**

[Primary lymphoma on a pouch following collapse therapy] Bah T, et al. **Rev Pneumol Clin** 1987;43(2):95–7 (Eng. Abstr.) **(Fre)**

[Lung cancer after irradiation: the radon problem] Jacobi W. **Naturwissenschaften** 1986 Nov;73(11):661–8 (Eng. Abstr.) **(Ger)**

[Passive smoking—a health risk?] Pötzsch J, et al.
Z Gesamte Hyg 1986 Jul;32(7):405–6 (Eng. Abstr.) **(Ger)**

[Health risks caused by asbestos—review of references] Ruppe K, et al. **Z Gesamte Hyg** 1986 Sep;32(9):514–20 (130 ref.) (Eng. Abstr.) **(Ger)**

[Occupational exposure to asbestos and liposarcoma: description of a case] Rana F, et al. **Med Lav** 1986 Sep-Oct; 77(5):519–22 (Eng. Abstr.) **(Ita)**

[Smoking and lung diseases] Kaneko T, et al.
Kokyu To Junkan 1986 Dec;34(12):1248–58 (96 ref.) **(Jpn)**

[Lung cancer associated with lung cyst and cystic bronchiectasis] Arimura T, et al. **Kyobu Geka** 1986 Oct; 39(10):793–6 (Eng. Abstr.) **(Jpn)**

[A case of malignant mesothelioma caused by exposure to asbestos] Kishimoto T, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1987 Jan;25(1):125–9 (Eng. Abstr.) **(Jpn)**

[Relative risk of lung cancer in relation to tobacco smoking and exposure to air pollutants (dust, gases) in the work area microclimate] Zemła B, et al. **Wiad Lek** 1986 Jul 15; 39(14):946–56 (Eng. Abstr.) **(Pol)**

[Development of lung tumors in BALB/c mice in chronic influenza infection and inhalation of metal-containing aerosols] Shevchenko IN, et al. **Eksp Onkol** 1987;9(2):71–3 (Eng. Abstr.) **(Rus)**

[Significance of the joint action of occupational factors and smoking in the occurrence of lung cancer] Pershagen G.
Gig Tr Prof Zabol 1987 May;(5):5–7 (Eng. Abstr.) **(Rus)**

[Association of tuberculosis and cancer of the lungs] Shlain BI, et al. **Probl Tuberk** 1987;(2):67–8 **(Rus)**

[Development of lung cancer following combined treatment of breast cancer] Vazhenin AV, et al. **Vopr Onkol** 1987; 33(3):79–80 **(Rus)**

FAMILIAL & GENETIC

Increased expression of N-myc in human small cell lung cancer biopsies predicts lack of response to chemotherapy and poor prognosis. Funa K, et al. **Am J Clin Pathol** 1987 Aug;88(2):216–20

Increased familial risk for non-lung cancer among relatives of lung cancer patients. Sellers TA, et al.
Am J Epidemiol 1987 Aug;126(2):237–46

c-K-ras codon 12 GGT-CGT point mutation. An infrequent event in human lung cancer. Milici A, et al.
Biochem Biophys Res Commun 1986 Oct 30;140(2):699–705

Serum selenium and vitamin E concentrations in families of lung cancer patients. Miyamoto H, et al. **Cancer** 1987 Sep 1;60(5):1159–62

Cytogenetic studies of four human lung adenocarcinoma cell lines. Fan YS, et al. **Cancer Genet Cytogenet** 1987 Jun; 26(2):317–25

Trisomy 12 correlates with elevated expression of p21 ras in a human adenosquamous carcinoma of the lung. Liang JC, et al. **Cancer Genet Cytogenet** 1986 Oct;23(2):183–8

Loss of heterozygosity for a chromosome 3 sequence presumably at 3p21 in small cell lung cancer. Mooibroek

H, et al. **Cancer Genet Cytogenet** 1987 Aug;27(2):361–5
Deletion 3p in two lung adenocarcinomas metastatic to the brain. Rey JA, et al. **Cancer Genet Cytogenet** 1987 Apr; 25(2):355–60
Chromosomal abnormalities in a primary small cell lung cancer. Sozzi G, et al. **Cancer Genet Cytogenet** 1987 Jul; 27(1):45–50
Fetal hemoglobin gene activation in a phase II study of 5,6-dihydro-5-azacytidine for bronchogenic carcinoma. Carr BI, et al. **Cancer Res** 1987 Aug 1;47(15):4199–201
Molecular evidence for the lack of epidermal growth factor receptor gene expression in small cell lung carcinoma cells. Gamou S, et al. **Cancer Res** 1987 May 15;47(10):2668–73
Heterogeneous cytogenetic abnormalities in small cell lung cancer cell lines. Morstyn G, et al. **Cancer Res** 1987 Jun 15;47(12):3322–7
Activation of the K-ras protooncogene in lung tumors from rats and mice chronically exposed to tetranitromethane. Stowers SJ, et al. **Cancer Res** 1987 Jun 15;47(12):3212–9
Chromosomal analysis of a human lung adenocarcinoma cell line, AGZY83-A. Fan YS, et al. **Chin Med J [Engl]** 1987 Mar;100(3):198–203
Molecular genetic analysis reveals chromosomal deletion, gene amplification, and autocrine growth factor production in the pathogenesis of human lung cancer. Minna JD, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:843–53
Genome analysis of small cell lung cancer (SCLC) and clinical significance. Buys CH, et al.
Eur J Respir Dis [Suppl] 1987;149:29–36
Haptoglobin groups and lung cancer. Beckman G, et al.
Hum Hered 1986;36(4):258–60
Sister chromatid exchange induction by benzo(a)pryene in cultured peripheral blood lymphocytes of lung cancer patients and healthy individuals with or without familial history of neoplasms. Dosaka H, et al. **Int J Cancer** 1987 Mar 15;39(3):329–32
Amplification of the N-myc oncogene in an adenocarcinoma of the lung. Saksela K, et al. **J Cell Biochem** 1986; 31(4):297–304
myc family oncogene amplification in tumor cell lines established from small cell lung cancer patients and its relationship to clinical status and course. Johnson BE, et al. **J Clin Invest** 1987 Jun;79(6):1629–34
Human creatine kinase-B complementary DNA. Nucleotide sequence, gene expression in lung cancer, and chromosomal assignment to two distinct loci. Kaye FJ, et al.
J Clin Invest 1987 May;79(5):1412–20
Familial lung cancer—correcting an error in calculation [letter] Ooi WL, et al. **JNCI** 1986 Oct;77(4):990
H-2-controlled genetic susceptibility to pulmonary adenomas induced by urethane and 4-nitroquinoline 1-oxide in A/Wy congenic strains. Miyashita N, et al. **Jpn J Cancer Res** 1987 May;78(5):494–8
Expression of epidermal growth factor receptor gene in cultured human lung cancer cells. Sakiyama S, et al.
Jpn J Cancer Res 1986 Oct;77(10):965–9
Rearrangement of the c-myc gene in two giant cell carcinomas of the lung. Yoshimoto K, et al.
Jpn J Cancer Res 1986 Aug;77(8):731–5
Oncogenes and a specific chromosomal abnormality associated with small-cell lung cancers. Taya Y.
Jpn J Clin Oncol 1986 Sep;16(3):199–202
Mutational activation of the K-ras oncogene. A possible pathogenetic factor in adenocarcinoma of the lung. Rodenhuis S, et al. **N Engl J Med** 1987 Oct 8; 317(15):929–35
The effect of pH on potentially lethal damage recovery in A549 cells. Varnes ME, et al. **Radiat Res** 1986 Oct; 108(1):80–90
A parathyroid hormone-related protein implicated in malignant hypercalcemia: cloning and expression. Suva LJ, et al. **Science** 1987 Aug 21;237(4817):893–6
[Sister chromatid exchanges (SCE), chromosomal aberrations and micronuclei of cultured peripheral lymphocytes in patients with lung cancer, miners and non-mining workers of the tin mine in Yunnan] Hu GG, et al.
Chung Hua Chung Liu Tsa Chih 1987 Jan;9(1):29–32 (Eng. Abstr.) **(Chi)**
[Interaction between family history and smoking in lung cancer] Ogawa H. **Gan No Rinsho** 1987 Apr;33(5 Suppl):575–80 (Eng. Abstr.) **(Jpn)**
[Familial primary multiple cancer of the respiratory organs] Vazhenin AV, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):124 **(Rus)**

IMMUNOLOGY

Circulating immune complexes in breast and lung cancer, before and after chemotherapy. García MS, et al.
Allergol Immunopathol (Madr) 1987 Jan-Feb;15(1):15–8
EMA and small cell anaplastic carcinomas: further evidence for an epithelial origin needed [letter] Byard RW.
Am J Clin Pathol 1986 Nov;86(5):692–3
Carcinoembryonic antigen (CEA) and gastrointestinal cancer associated antigen CA 19-9 in bronchioloalveolar carcinomas and pulmonary adenocarcinomas. Heikkilä L, et al. **Ann Chir Gynaecol** 1986;75(5):260–5
Production of monoclonal antibodies using spleen cells from nude mice bearing human tumors. Al Saati T, et al.
Ann Pathol 1987;7(1):1–8
Differentiation state specific localization of the carcino-embryonic antigen (CEA) on ultrathin cryosections of breast, stomach and lung lesions. Wolf B, et al. **Anticancer Res** 1987 Mar-Apr;7(2):203–8
Carcinoembryonic antigen and milk-fat globule protein staining of malignant mesothelioma and adenocarcinoma of the lung. Tron V, et al. **Arch Pathol Lab Med** 1987 Mar;111(3):291–3
No association between HLA antigens and adenocarcinoma of the lung in non-smoking Chinese women in Hong Kong. Lam WK, et al. **Br J Dis Chest** 1986 Oct;80(4):370–4
A human tumor-specific antigen from lung cancer—a new purification method. Kuwabara M, et al.
Bull Chest Dis Res Inst Kyoto Univ 1986 Mar;19(1-2):43–55
Circulating IgA immune complexes in head and neck cancer, nasopharyngeal carcinoma, lung cancer, and colon cancer. Baseler MW, et al. **Cancer** 1987 May 15;59(10):1727–31
Tumor markers in bronchogenic carcinoma. Superiority of tissue polypeptide antigen to carcinoembryonic antigen and carbohydrate antigenic determinant 19-9. Buccheri GF, et al. **Cancer** 1987 Jul 1;60(1):42–50
Autoimmune basis for visual paraneoplastic syndrome in patients with small cell lung carcinoma. Retinal immune deposits and ablation of retinal ganglion cells. Grunwald GB, et al. **Cancer** 1987 Aug 15;60(4):780–6
Use of carcinoembryonic antigen in small cell lung cancer. Prognostic value and relation to the clinical course 1. Laberge F, et al. **Cancer** 1987 Jun 15;59(12):2047–52
Modification of natural killer activity of lymphocytes infiltrating human lung cancers. Anderson TM, et al.
Cancer Immunol Immunother 1987;25(1):65–8
A monoclonal antibody (Po66) directed against human lung squamous cell carcinoma immunolocalization of tumour xenografts in nude mice. Dazord L, et al.
Cancer Immunol Immunother 1987;24(3):263–8
In vivo resistance of secondary antitumor immune response to cyclophosphamide: effects on T cell subsets. Peppoloni S, et al. **Cancer Immunol Immunother** 1987;24(1):49–56
Markedly different antibody responses to immunized small cell and non-small cell lung cancer cells. Doyle LA, et al. **Cancer Res** 1987 Oct 1;47(19):5009–13
Two murine monoclonal antibodies against human lung cancer-associated antigens. Endo K, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6369–73
Expression of tumor antigen correlated with metastatic potential of Lewis lung carcinoma and B16 melanoma clones in mice. Falcioni R, et al. **Cancer Res** 1986 Nov; 46(11):5772–8
Distribution of a squamous cell lung carcinoma-associated antigen, KA-32, in human tissues and sera defined by monoclonal antibody KM-32. Hanai N, et al.
Cancer Res 1986 Oct;46(10):5206–10
Xenogenization of a mouse lung carcinoma (3LL) by transfection with an allogeneic class I major histocompatibility complex gene (H-2Ld). Itaya T, et al.
Cancer Res 1987 Jun 15;47(12):3136–40
Phenotypic characterization of lung cancers in fine needle aspiration biopsies using monoclonal antibody B72.3. Johnston WW, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6462–70
Modulation of immune response and tumor development in tumor-bearing mice treated by the thymic factor thymostimulin. Klein AS, et al. **Cancer Res** 1987 Jul 1; 47(13):3351–6
Role of antitumor activity of alveolar macrophages in lung cancer patients. Kuda T, et al. **Cancer Res** 1987 Apr 15; 47(8):2199–202
Distribution of lung adenocarcinoma-associated antigens in human tissues and sera defined by monoclonal antibodies KM-52 and KM-93. Shitara K, et al. **Cancer Res** 1987 Mar 1;47(5):1267–72
Characterization of an epithelial and a tumor-associated human small cell lung carcinoma glycoprotein antigen. Waibel R, et al. **Cancer Res** 1987 Jul 15;47(14):3766–70
Isolation of small cell lung cancer-associated antigen from human brain. Watanabe J, et al. **Cancer Res** 1987 Feb 15; 47(4):960–2
Hematopoiesis and suppressor bone marrow cells in mice bearing large metastatic Lewis lung carcinoma tumors. Young MR, et al. **Cancer Res** 1987 Jan 1;47(1):100–5
Membrane-associated glycoprotein (gp 160) identified on human lung tumors by a monoclonal antibody. Zylstra S, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6446–51
Clonal analysis of human tumor infiltrating lymphocytes reactive with autologous tumor cells: different target cell specificities of NK-like and cytotoxic T-cell clones. Rabinowich H, et al. **Cell Immunol** 1987 Feb;104(2):210–7
Natural killer (NK)-resistant human lung cancer cells are lysed by recombinant interleukin-2-activated NK cells. Robinson BW, et al. **Cell Immunol** 1987 May;106(2):215–22
Diminished natural killer-cell activity of interstitial pulmonary cell populations from patients with carcinoma of the lung. deShazo RD, et al. **Chest** 1987 Jan;91(1):26–8
Cytotoxic cell function in bronchogenic carcinoma. Kratikanont P, et al. **Chest** 1987 Jul;92(1):90–4
NK cells in carcinomatous and tuberculous pleurisy. Phenotypic and functional analyses of NK cells in peripheral blood and pleural effusions. Okubo Y, et al.
Chest 1987 Sep;92(3):500–4
Lymphocyte subsets in lung cancer. Wesselius LJ, et al.
Chest 1987 May;91(5):725–9
Preventive role of atopy in lung cancer. Sánchez-Borges M, et al. **Clin Immunol Immunopathol** 1986 Dec;41(3):314–9
Effects of cryopreservation on the mononuclear cells of patients with lung cancer and normal controls. Venkataraman M, et al. **Cryobiology** 1987 Apr;24(2):103–11
Placebo controlled pneumococcal immunization in patients with bronchogenic carcinoma. Klastersky J, et al.
Eur J Cancer Clin Oncol 1986 Jul;22(7):807–13
Cellular immune competence of patients with lung cancer and other lung diseases. I. Analysis of peripheral blood lymphocyte subsets using monoclonal antibodies. Fujiwara S, et al. **Hiroshima J Med Sci** 1986 Sep;35(3):227–36
Secretory component in pulmonary adenocarcinoma and mesothelioma. Kondi-Paphitis A, et al. **Histopathology** 1986 Dec;10(12):1279–87
Concurrent presence of two clonal populations in small lymphocytic lymphoma of the lung. Ben-Ezra J, et al.
Hum Pathol 1987 Apr;18(4):399–402
Identification of a tumor-associated cell-surface antigen common to murine and human transformed cell lines. Hadas E. **Hybridoma** 1986 Winter;5(4):371–4
Differential effects of beta- and gamma-interferons on natural killer cell-mediated lysis of lung carcinoma cells. Krishnamurti C, et al. **Immunobiology** 1987 Mar; 174(2):221–32
Characterization of 3LL-tumor variants generated by in vitro macrophage-mediated selection. Remels LM, et al.
Int J Cancer 1987 Mar 15;39(3):343–52
In vitro effect of levan-activated macrophages on Lewis lung carcinoma cells. Leibovici J, et al.
Int J Immunopharmacol 1986;8(5):471–8
Identification of cellular mechanisms operational in vivo during the regression of established pulmonary metastases by the systemic administration of high-dose recombinant interleukin 2. Mulé JJ, et al. **J Immunol** 1987 Jul 1; 139(1):285–94
A radioimmunometric assay for the detection and characterization of lung cancer-associated antibodies in sera of lung cancer patients. Hatzitheofilou C, et al.
J Surg Res 1987 Jan;42(1):85–91
Differential induction of suppressor macrophages by cloned Lewis lung carcinoma variants in mice. Young MR, et al.
JNCI 1986 Dec;77(6):1255–60
Inhibition of cytotoxicity to autologous tumor cells by the regional lymph node cells of patients with primary lung cancer. Kadoyama C, et al. **Jpn J Clin Oncol** 1987 Mar; 17(1):29–39
Induction of lymphokine-activated killer activities in peripheral blood lymphocytes and regional lymph node lymphocytes against PC-9 cultured adenocarcinoma and autologous pulmonary adenocarcinoma cells. Morikawa Y, et al. **Jpn J Clin Oncol** 1987 Jun;17(2):129–39
Diagnostic and therapeutic applications of monoclonal antibodies to small cell carcinoma of the lung. Okabe T, et al. **Jpn J Clin Oncol** 1986 Sep;16(3):243–52
T-lymphocyte subsets in primary lung cancer. Tsuyuguchi I, et al. **Jpn J Clin Oncol** 1987 Mar;17(1):13–7
Antigens of small-cell lung cancer. First International Workshop. Souhami RL, et al. **Lancet** 1987 Aug 8; 2(8554):325–6
Functional characteristics of human alveolar macrophages in lung cancer. Clerici N, et al. **Lung** 1986;164(6):355–64
Incidence of alloantibodies and immune complexes in bronchial secretions of lung cancer patients. Górny MK, et al. **Neoplasma** 1987;34(2):189–98
Carcinoembryonic antigen in bronchogenic carcinoma. Zatloukal P, et al. **Neoplasma** 1987;34(1):73–6
Monoclonal antibody raised by sera of athymic mice bearing human lung cancer xenografts. Yamada T, et al.
Oncology 1987;44(3):186–91
Assessment of IgE serum levels in lung cancer patients. Osella D, et al. **Panminerva Med** 1987 Jan-Mar;29(1):23–5
Determination of T lymphocyte subpopulations in patients with lung cancer. A comparison between lung lavage and peripheral blood by monoclonal antibodies and flow cytometry. Fracchia A, et al. **Respiration** 1987;51(3):161–9
In vitro mitogen-induced interferon production and lymphocyte blastogenesis in patients with lung cancer. Suzuki S, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1986 Dec;33(1-4):27–32
A monocyte function test (complement receptor enhancement) to assess the extent of bronchial carcinoma. Carroll M, et al. **Thorax** 1987 Jan;42(1):53–8
Immunohistochemical examination of lung cancers using monoclonal antibodies reacting with sialosylated Lewisx and sialosylated Lewisa. Kasai K, et al.
Virchows Arch [A] 1986;410(3):253–61
[A clinical evaluation using ELISA of monoclonal antibodies to CEA in the serum of patients with lung cancer] Cha RJ.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1986 Jun;9(3):133–5, 188 (Eng. Abstr.) **(Chi)**
[Carcinoembryonic antigen assay in serum and pleural effusion of pulmonary malignancies and benign lesions] Jiang XF, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Nov; 8(6):430–1 (Eng. Abstr.) **(Chi)**
[Reactivity of the monoclonal antibody ALT-04 and an experimental study on its use in tumor-localization] Yu YB.
Chung Hua I Hsueh Tsa Chih 1986 Dec;66(12):742–5 **(Chi)**
[Immunological analysis of antigen and antibody components isolated from cancer-associated immune complex] Fan NS, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1987 Feb;9(1):44–9 (Eng. Abstr.) **(Chi)**
[Immunological data furnished by alveolar lavage in

bronchopulmonary tumor pathology] Lemarie E, et al. **Rev Mal Respir** 1987;4(1):11–6 (Eng. Abstr.) **(Fre)**

[Immune status of patients with bronchial cancer] Aulenbacher P, et al. **Klin Wochenschr** 1987 May 15; 65(10):445–52 (Eng. Abstr.) **(Ger)**

[T-polyagglutination in association with pulmonary cancer] Levene NA, et al. **Harefuah** 1985 Mar 15;108(6):290–1 (Eng. Abstr.) **(Heb)**

[Eaton Lambert syndrome--an autoimmune disease (editorial)] Prigojin H, et al. **Harefuah** 1986 May 15; 110(10):536–8 **(Heb)**

[Immunological aspects of primary cancer of the lung] Blasi A. **Arch Monaldi** 1985 Sep–Dec;40(5–6):187–202 **(Ita)**

[Immunohistological observation of blood group–related antigens in lung adenocarcinomas using monoclonal antibodies] Fukushima K, et al. **Gan No Rinsho** 1987 Feb; 33(2):167–71 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of serum beta 2–microglobulin in squamous cell carcinoma of the lung] Higuchi Y, et al. **Gan No Rinsho** 1986 Dec;32(15):1919–24 (Eng. Abstr.) **(Jpn)**

[The Su–polysaccharide skin test in lung cancer] Harada J, et al. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2697–702 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of serum carbohydrate antigen 19–9 in carcinoma of the lung--a comparison with carcinoembryonic antigen] Hayashibe A, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 1):711–5 (Eng. Abstr.) **(Jpn)**

[Role of immune skin reactions in progressive lung cancer during the administration of OK–432--relation to reactions to DNCB, PPD and Su–PS] Katada H, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):61–70 (Eng. Abstr.) **(Jpn)**

[Forssman–like antibody levels in sera of patients with cancer] Maejima S. **Nippon Gan Chiryo Gakkai Shi** 1987 Feb 20;22(1):59–66 (Eng. Abstr.) **(Jpn)**

[SCC–antigen in patients with lung cancer] Matsubara Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Jun 20; 21(5):1036–48 (Eng. Abstr.) **(Jpn)**

[Effect of chemotherapy on natural killer (NK) activity and antibody–dependent cell–mediated cytotoxicity (ADCC) in carcinoma of the lung and metastatic pulmonary tumor] Shibuya M. **Nippon Ika Daigaku Zasshi** 1987 Feb; 54(1):40–53 (Eng. Abstr.) **(Jpn)**

[Serum squamous cell carcinoma–related antigen in lung cancer--a marker for the extent of the disease and response to therapy] Reshad K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Aug; 24(8):878–83 (Eng. Abstr.) **(Jpn)**

METABOLISM

Flow cytometric analysis of primary lung carcinomas and their lymph node metastases. Volm M, et al. **Anticancer Res** 1987 Jan–Feb;7(1):71–6

Decreased incorporation of the photoaffinity probe 8N3–[gamma–32P]–GTP into a 45kD protein in lung tumors. Droms KA, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):591–7

Gangliosides and neutral glycosphingolipids of normal tissue and oat cell carcinoma of human lung. Hanqing M, et al. **Biochim Biophys Acta** 1986 Oct 3;878(3):360–70

Protein C inhibits endocytosis of thrombin–thrombomodulin complexes in A549 lung cancer cells and human umbilical vein endothelial cells. Maruyama I, et al. **Blood** 1987 May; 69(5):1481–4

A comparison of clonogenic and radionuclide uptake assays for determining the radiation response of human small–cell lung cancer xenografts and cell lines. Fox NE, et al. **Br J Radiol** 1987 Apr;60(712):381–8

Expression of epidermal growth factor receptors in human lung tumors. Hwang DL, et al. **Cancer** 1986 Nov 15; 58(10):2260–3

Influence of chemotherapy on superoxide anion–generating activity of polymorphonuclear leukocytes in patients with lung cancer. Ichinose Y, et al. **Cancer** 1986 Oct 15; 58(8):1663–7

Hyponatremia in small cell lung cancer. Mechanisms not involving inappropriate ADH secretion. Kamoi K, et al. **Cancer** 1987 Sep 1;60(5):1089–93

Use of elevated pressure to promote the difference in permeability of Adriamycin and hematoporphyrin between neoplastic and normal lung cells. Brody SS, et al. **Cancer Biochem Biophys** 1987 May;9(2):133–7

Essential metals in tissues and tumor of inbred C57BL/6 mice during the infective cycle of Lewis lung carcinoma. Romeu A, et al. **Cancer Biochem Biophys** 1986 Dec;9(1):53–66

Pharmacokinetics of unchanged carboplatin (CBDCA) in patients with small cell lung carcinoma. Reece PA, et al. **Cancer Chemother Pharmacol** 1987;19(4):326–30

Toxicity of 5–fluorouracil for aerobic and hypoxic cells in two murine tumours. Tannock IF. **Cancer Chemother Pharmacol** 1987;19(1):53–6

Tumor–selective metabolism of 5–fluoro–2'–deoxycytidine coadministered with tetrahydrouridine compared to 5–fluorouracil in mice bearing Lewis lung carcinoma. Boothman DA, et al. **Cancer Res** 1987 May 1;47(9):2354–62

Biosynthesis and expression of the disialoganglioside GD2, a relevant target antigen on small cell lung carcinoma for monoclonal antibody–mediated cytolysis. Cheresh DA, et al. **Cancer Res** 1986 Oct;46(10):5112–8

Levels of high energy phosphates in human lung cancer cell lines by 31P nuclear magnetic resonance spectroscopy. Knop RH, et al. **Cancer Res** 1987 Jul 1;47(13):3357–9

Metabolism of arachidonic acid in human lung cancer cell lines. Lau SS, et al. **Cancer Res** 1987 Jul 15;47(14):3757–62

Increase of urokinase–type plasminogen activator gene expression in human lung and breast carcinomas. Sappino AP, et al. **Cancer Res** 1987 Aug 1;47(15):4043–6

Effect of prostaglandin E2–producing nonmetastatic Lewis lung carcinoma cells on the migration of prostaglandin E2–responsive metastatic Lewis lung carcinoma cells. Young MR, et al. **Cancer Res** 1987 Jul 15;47(14):3679–83

Selenium level and glutathione–dependent enzyme activities in normal and neoplastic human lung tissues. Di Ilio C, et al. **Carcinogenesis** 1987 Feb;8(2):281–4

Pulmonary ceroidosis. Sastre J, et al. **Chest** 1987 Feb; 91(2):281–3

Altered DNA methylation patterns in human lung carcinomas. Wain JC, et al. **Curr Surg** 1986 Nov–Dec; 43(6):489–92

Quantitation of the binding, uptake, and degradation of fluoresceinylated neoglycoproteins by flow cytometry. Midoux P, et al. **Cytometry** 1987 May;8(3):327–34

Expression of multiple growth factors in a human lung cancer cell line. Betsholtz C, et al. **Int J Cancer** 1987 Apr 15; 39(4):502–7

Evidence for a warfarin–sensitive serum factor that participates in factor X activation by Lewis lung tumor cells. Fasco MJ, et al. **Int J Cancer** 1987 May 15;39(5):631–7

Vitamin–K–dependent proteins in microsomes of primary Lewis lung tumors. Wilson AC, et al. **Int J Cancer** 1986 Dec 15;38(6):877–82

Synthesis and tumor uptake of 5–halo–1–(2'–fluoro–2'–deoxy–beta–D–ribofuranosyl)[2–14C]uracils. Mercer JR, et al. **J Med Chem** 1987 Apr; 30(4):670–5

Comparison of biophysical parameters of primary low and high metastatic Lewis lung tumor cells. Aszalos A, et al. **J Med Clin Exp Theor** 1986;17(3–4):179–200

Disposition of the monoclonal antibody–vinca alkaloid conjugate KS1/4–DAVLB (LY256787) and free 4–desacetylvinblastine in tumor–bearing nude mice. Spearman ME, et al. **J Pharmacol Exp Ther** 1987 May; 241(2):695–703

Inhibition of DNA synthesis by a small–cell lung carcinoma–derived protein. Funkhouser WK, et al. **JNCI** 1986 Oct;77(4):925–32

Suppression of glucose utilization of murine peritoneal exudate macrophages by body fluids from cancer patients and identification of the susceptible enzyme. Nakamura K, et al. **JNCI** 1986 Nov;77(5):1035–8

31P nuclear magnetic resonance analysis of lung cancer: the perchloric acid extract spectrum. Onodera K, et al. **Jpn J Cancer Res** 1986 Dec;77(12):1201–6

Immunohistochemical study of small cell lung carcinoma; with special reference to the neuroendocrine markers aromatic L–amino acid decarboxylase and gastrin–releasing peptide. Nakajima T, et al. **Jpn J Clin Oncol** 1986 Sep; 16(3):223–33

Peptide hormone production in small cell lung carcinomas with particular reference to gastrin–releasing peptide. Yamaguchi K, et al. **Jpn J Clin Oncol** 1986 Sep; 16(3):235–41

Effect of hydrazine sulphate on whole–body protein breakdown measured by 14C–lysine metabolism in lung cancer patients. Tayek JA, et al. **Lancet** 1987 Aug 1; 2(8553):241–4

The nature of hyaline globules in adenocarcinoma of the lung. Herczeg E, et al. **Morphol Embryol (Bucur)** 1986 Oct–Dec; 32(4):271–4

Colony–stimulating factor (CSF) and CSF–stimulating activity produced by a human giant cell carcinoma of the lung. Itoh K, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Jul;49(4):960–8

High affinity binding of cholecystokinin to small cell lung cancer cells. Yoder DG, et al. **Peptides** 1987 Jan–Feb; 8(1):103–7

Expression of the C–terminal peptide of human pro–bombesin in 361 lung endocrine tumours, a reliable marker and possible prognostic indicator for small cell carcinoma. Hamid QA, et al. **Virchows Arch [A]** 1987;411(2):185–92

[Distribution and excretion of 3H–YHPD in tissues of normal and tumor–bearing mice] Cheng YS, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Dec; 8(6):420–4 (Eng. Abstr.) **(Chi)**

[Distribution pattern of fibronectin in human lung cancer tissue] Ohhashi M, et al. **Gan No Rinsho** 1986 Nov; 32(14):1787–94 (Eng. Abstr.) **(Jpn)**

[Serum and tissue concentrations of UFT in patients with lung cancer] Aota M, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):3046–55 (Eng. Abstr.) **(Jpn)**

[Effects of intravenous feeding on adjuvant chemotherapy--an experimental study on the distribution of 5–FU after injection of tegafur (I)] Kimoto M, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):135–9 (Eng. Abstr.) **(Jpn)**

[Clinico–pathological study of choriocarcinoma localized in the lung with emphasis on hCG monitoring systems] Obata N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Mar; 39(3):380–6 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

[Tobacco mosaic virus and chronic pulmonary diseases] Frappier–Davignon L, et al. **Union Med Can** 1987 Jan; 116(1):49–52 (Eng. Abstr.) **(Fre)**

MORTALITY

A simple estimator of minimum detectable relative risk, sample size, or power in cohort studies. Armstrong B. **Am J Epidemiol** 1987 Aug;126(2):356–8

Re: "Excess mortality from stomach cancer, lung cancer, and asbestosis and/or mesothelioma in crocidolite mining districts in South Africa" [letter] Hart HP. **Am J Epidemiol** 1987 Mar;125(3):542–3

Analysis of proportionate mortality data using logistic regression models. Robins JM, et al. **Am J Epidemiol** 1987 Mar;125(3):524–35

Mortality from lung cancer and respiratory disease among pottery workers exposed to silica and talc. Thomas TL, et al. **Am J Epidemiol** 1987 Jan;125(1):35–43

A case–control study of lung cancer and diesel exhaust exposure in railroad workers. Garshick E, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1242–8

Five–year survival in treated stage I and II small cell carcinoma of the lung. Meyer JA. **Ann Thorac Surg** 1986 Dec;42(6):668–9

On the role of aging in cancer incidence: cohort analyses of the lung cancer data. Volpe EW, et al. **Anticancer Res** 1986 Nov–Dec;6(6):1417–20

Association of lung cancer mortality with precambrian granite. Archer VE. **Arch Environ Health** 1987 Mar–Apr; 42(2):87–91

Mortality of workers employed in two asbestos cement manufacturing plants. Hughes JM, et al. **Br J Ind Med** 1987 Mar;44(3):161–74

Childhood respiratory infection and adult chronic bronchitis in England and Wales [letter] Lee PN. **Br Med J [Clin Res]** 1987 Jan 10;294(6564):118

Deaths in Canada from lung cancer due to involuntary smoking [letter] Lee PN. **Can Med Assoc J** 1987 Sep 1; 137(5):372–3, 376

Deaths in Canada from lung cancer due to involuntary smoking. Wigle DT, et al. **Can Med Assoc J** 1987 May 1;136(9):945–51

Re: "Updating lung cancer mortality among a cohort of man made mineral fibre production workers in seven European countries" [letter] Hill JW. **Cancer Lett** 1986 Nov; 33(2):235–6

HLA and survival in lung cancer. Mottironi VD, et al. **Clin Immunol Immunopathol** 1987 Oct;45(1):55–62

Perioperative blood transfusion and prognosis of resected stage Ia lung cancer. Pastorino U, et al. **Eur J Cancer Clin Oncol** 1986 Nov;22(11):1375–8

Lung cancer in Austria: present and future trends. Vutuc C, et al. **Eur J Epidemiol** 1986 Jun;2(2):158–62

Plutonium and lung cancer. Tietjen GL. **Health Phys** 1987 May;52(5):625–8

Small cell carcinoma of the lung in the intensive care unit. Harkaway P, et al. **Henry Ford Hosp Med J** 1986; 34(4):285–7

Cancer of the lung in central Indiana. Bates LH. **Indiana Med** 1986 Sep;79(9):768–71

Pretreatment prognostic factors and scoring system in 407 small–cell lung cancer patients. Cerny T, et al. **Int J Cancer** 1987 Feb 15;39(2):146–9

Survival of patients with unresectable non–small cell lung cancer following 6,000 rad megavoltage radiotherapy. Kumar PP, et al. **J Natl Med Assoc** 1987 Mar;79(3):313–21

Prognosis after resection of non–small cell lung cancer of the right middle lobe. Peleg H, et al. **J Surg Oncol** 1987 Aug;35(4):230–4

Statistically adjusted estimates of geographic mortality profiles. Manton KG, et al. **JNCI** 1987 May;78(5):805–15

The problem of smoking and lung cancer in Japan with special reference to the rising trend in age–specific mortality rate by number of cigarettes smoked daily. Hirayama T. **Jpn J Cancer Res** 1987 Mar;78(3):203–10 (36 ref.)

Tobacco–related deaths in China [letter] Peto R. **Lancet** 1987 Jul 25;2(8552):211

Notifiable malignant lesions in the RSA, 1979–1983--trends and mortality. I. Malignant neoplasms of the bronchus and lung. van Rensburg AB. **S Afr Med J** 1987 Aug 1; 72(3):178–81

Mortality study of workers in the man–made mineral fiber production industry in the United Kingdom. Gardner MJ, et al. **Scand J Work Environ Health** 1986;12 Suppl 1:85–93

Survival in small cell lung carcinoma after surgery. Sørensen HR, et al. **Thorax** 1986 Jun;41(6):479–82

The accuracy of local death certificates in cancer of the lung and stomach. Barchielli A, et al. **Tumori** 1986 Oct 31; 72(5):475–9

[A retrospective study of the mortality of pulmonary tuberculosis and pulmonary carcinoma among the population residing on Jiefang street in Jiaxing city 1955–1984] Chen DX. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Aug;9(4):200–1, 253 (Eng. Abstr.) **(Chi)**

[Smoking and mortality in lung cancer] Li GH, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Nov;8(6):441–3 (Eng. Abstr.) **(Chi)**

[A theoretical study on the goodness–fit of logistic curve of age–mortality of five main cancers in Qidong, Jiangsu] Ye BF. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1987 Feb;8(1):14–6 (Eng. Abstr.) **(Chi)**

[Survival and quality of life in small cell anaplastic pulmonary carcinoma] Bonde JP, et al. **Ugeskr Laeger** 1986 Dec 15; 148(51):3446–8 (Eng. Abstr.) **(Dan)**

[Survival in primary bronchial cancer] Bouacha H, et al. **Tunis Med** 1986 Oct;64(10):813–7 (Eng. Abstr.) **(Fre)**

[Survival rates in bronchial carcinomas depending on the manner of detection] Ebeling K, et al. **Arch Geschwulstforsch** 1987;57(1):61–7 (Eng. Abstr.) **(Ger)**

[Development of the life-diminishing effect of bronchial, breast and stomach cancer 1967 to 1982 in Saarland] Kolles H, et al. **Lebensversicherungsmedizin** 1987 Jul 1;39(4):107–9 (Eng. Abstr.) **(Ger)**

[Epidermoid bronchogenic carcinoma in young adult patients] Azzena GF, et al. **Minerva Chir** 1987 Jun 15; 42(11):991–3 (Eng. Abstr.) **(Ita)**

[Clinical factors effecting results of therapy in post-surgical stage Ia lung cancer] Mitani N, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Sep;34(9):1648–54 (Eng. Abstr.) **(Jpn)**

[Mortality from cancer of the lung in Andalucía] Carretero Cala L. **Rev Sanid Hig Publica (Madr)** 1986 Jul–Aug; 60(7–8):703–9 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Epidemiologic studies of vitamins and cancer of the lung, esophagus, and cervix. Ziegler RG. **Adv Exp Med Biol** 1986;206:11–26

Essential micronutrients in relation to carcinogenesis. Kromhout D. **Am J Clin Nutr** 1987 May;45(5 Suppl):1361–7

Statistical modelling of lung cancer and laryngeal cancer incidence in Scotland, 1960–1979. Boyle P, et al. **Am J Epidemiol** 1987 Apr;125(4):731–44

History of residence and lung cancer risk in New Mexico. Samet JM, et al. **Am J Epidemiol** 1987 May;125(5):800–11

The natural history of lung cancer in a periodically screened population. Flehinger BJ, et al. **Biometrics** 1987 Mar; 43(1):127–44

Lung cancer and women: results of a French case–control study. Benhamou E, et al. **Br J Cancer** 1987 Jan;55(1):91–5

Occupation and male lung cancer: a case–control study in northern Sweden. Damber LA, et al. **Br J Ind Med** 1987 Jul;44(7):446–53

Female–male differences in patients with primary lung cancer. McDuffie HH, et al. **Cancer** 1987 May 15; 59(10):1825–30

Lung cancer in Newfoundland, Canada. Buehler SK, et al. **Cancer Detect Prev** 1987;10(3–4):183–6

Lung cancer mortality [letter]. Simonato L, et al. **Cancer Lett** 1987 May;35(2):225

Lung cancer in Northern India in relation to age, sex and smoking habits. Jindal SK, et al. **Eur J Respir Dis** 1987 Jan;70(1):23–8

Tests of the linear, no–threshold dose–response relationship for high–LET radiation. Cohen BL. **Health Phys** 1987 May; 52(5):629–36

Smoking and lung cancer in Shanghai. Gao YT. **IARC Sci Publ** 1986;(74):115–21

Smoking and cancer patterns and trends in Japan. Tominaga S. **IARC Sci Publ** 1986;(74):103–13

Lung cancer in the USSR: patterns and trends. Zaridze DG, et al. **IARC Sci Publ** 1986;(74):87–101

Screening for lung cancer—results from a case–control study. Ebeling K, et al. **Int J Cancer** 1987 Aug 15;40(2):141–4

A case–control study of lung cancer relative to domestic radon exposure. Lees RE, et al. **Int J Epidemiol** 1987 Mar; 16(1):7–12

Carrots, green vegetables and lung cancer: a case–control study. Pisani P, et al. **Int J Epidemiol** 1986 Dec;15(4):463–8

Changing incidence of adenocarcinoma of the lung: a brief review. Reyes CV, et al. **J Surg Oncol** 1987 May;35(1):50–1

Lung cancer in men aged 75 or older. Sarma DP. **J Surg Oncol** 1987 Jan;34(1):19–21

The 'epidemiologic necropsy'. Unexpected detections, demographic selections, and changing rates of lung cancer. McFarlane MJ, et al. **JAMA** 1987 Jul 17;258(3):331–8

Models for respiratory cancer in nickel refinery workers. Kaldor J, et al. **JNCI** 1986 Oct;77(4):841–8

Silica dust and lung cancer: results from the Nordic occupational mortality and cancer incidence registers. Lynge E, et al. **JNCI** 1986 Oct;77(4):883–9

Spatial distribution of disease: three case studies. Selvin S, et al. **JNCI** 1987 Sep;79(3):417–23

Recent trends in different histological types of lung cancer in Tokyo based on pathological autopsy records. Tsugane S, et al. **Jpn J Cancer Res** 1987 Feb;78(2):162–9

Trend of lung cancers in the National Cancer Center of Japan and comparison with that of Japanese pathological autopsy records. Watanabe S, et al. **Jpn J Cancer Res** 1987 May; 78(5):460–6

Tobacco: UK and China [letter] Peto R. **Lancet** 1986 Nov 1;2(8514):1038

Hyperfrequency of pulmonary cancer in a population of 415 patients treated for laryngeal cancer. Christensen PH, et al. **Laryngoscope** 1987 May;97(5):612–4

The prediction of lung cancer in Australia 1939–1981. Robinson AA. **Med Hypotheses** 1986 Dec;21(4):409–19

Lung cancer in young patients: a ten-year experience at William Beaumont Army Medical Center. Cavanaugh DG, et al. **Milit Med** 1987 Jun;152(6):326

Micronutrients and the risk of lung cancer [letter] Kok FJ, et al. **N Engl J Med** 1987 May 28;316(22):1416

Lung carcinoma in uranium miners, Czechoslovakia, 1976–1980. Vích Z, et al. **Neoplasma** 1987;34(2):211–5

Is smoking sufficient to explain the large difference in lung cancer incidence between Finland and Norway? Hakulinen T, et al. **Scand J Soc Med** 1987;15(1):3–10

Ten years of epidemiologic investigations on man–made mineral fibers and health. Saracci R. **Scand J Work Environ Health** 1986;12 Suppl 1:5–11

The man–made mineral fiber European historical cohort study. Extension of the follow–up [published erratum appears in Scan J Work Environ Health 1987 Apr;13(2):192] Simonato L, et al. **Scand J Work Environ Health** 1986;12 Suppl 1:34–47

Age, period and cohort models: the use of individual records. Robertson C, et al. **Stat Med** 1986 Sep–Oct;5(5):527–38

Low cancer rates in Hispanic women related to social and economic factors. Newell GR, et al. **Women Health** 1986 Fall–Winter;11(3–4):23–35

[Mass photofluorography in early detection of peripheral lung cancer] Sun XK, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Sep;8(5):370–2 (Eng. Abstr.) **(Chi)**

[An epidemiological study on features of the distribution of cancer of some common sites] Chen JG. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Aug; 7(4):193–9 (Eng. Abstr.) **(Chi)**

[Smoking habits and lung cancer in Liaoning Province] Xiao HP, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Jul;20(4):212–4 (Eng. Abstr.) **(Chi)**

[The analysis of ridge regression about occupational factors of lung cancer in Yunnan tin miners] Zhang FM. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 May; 20(3):151–3 (Eng. Abstr.) **(Chi)**

[Excess occurrence of lung cancer in a population of patients with laryngeal cancer from 3 Danish counties] Jørgensen K, et al. **Ugeskr Laeger** 1986 Sep 29;148(40):2569–71 (Eng. Abstr.) **(Dan)**

[Anatomo–clinical study of 102 cases of primary lung cancer] Chadli A, et al. **Arch Inst Pasteur Tunis** 1987 Jan–Apr; 64(1–2):15–44 (Eng. Abstr.) **(Fre)**

[Primary pulmonary hemangiopericytoma in children. Apropos of a case] Dewandre JM, et al. **Chir Pediatr** 1986; 27(4):226–9 (Eng. Abstr.) **(Fre)**

[Lung cancer: recent epidemiologic data] Charpin D, et al. **Rev Pneumol Clin** 1987;43(2):75–84 (Eng. Abstr.) **(Fre)**

[Undifferentiated large–cell carcinoma of the lung] Santangelo A. **Minerva Med** 1987 Apr 30;78(8):517–8 (Eng. Abstr.) **(Ita)**

[Analysis of multiple primary malignant tumors including lung cancer] Kishimoto T, et al. **Gan No Rinsho** 1987 Jul; 33(8):898–900 (Eng. Abstr.) **(Jpn)**

[The influence of smoking on the development of various subtypes of pulmonary carcinoma] Tsuchiya E, et al. **Gan No Rinsho** 1987 Jan;33(1):27–34 (Eng. Abstr.) **(Jpn)**

[Screening of early lung cancer: results of the Miyagi study] Nakata T. **Hokkaido Igaku Zasshi** 1986 Jul;61(4):485–8 **(Jpn)**

[Current problems in mass screening of lung cancer] Yasuda S. **Hokkaido Igaku Zasshi** 1986 Jul;61(4):494–9 **(Jpn)**

[Lung cancer in persons under 50 years of age (various problems of epidemiology and surgical treatment] Aitakov ZN, et al. **Grudn Khir** 1987 May–Jun;(3):46–50 (Eng. Abstr.) **(Rus)**

[Lung cancer in the elderly and middle–aged in Moscow and its surgical treatment] Aitakov ZN, et al. **Vopr Onkol** 1987;33(8):46–50 (Eng. Abstr.) **(Rus)**

[The proportion of aluminum manufacturing and casting industry workers represented in the overall morbidity statistics for bronchial and pulmonary carcinoma in the Sibenik area] Odak L, et al. **Arh Hig Rada Toksikol** 1986 Sep;37(3):353–8 (Eng. Abstr.) **(Scr)**

[Association of cancer of the lung with other neoplasms (letter)] Solé M, et al. **Med Clin (Barc)** 1986 Nov 15; 87(16):695 **(Spa)**

PATHOLOGY

Fine needle aspiration cytology of atypical carcinoid of the lung. Frierson HF Jr, et al. **Acta Cytol** 1987 Jul–Aug; 31(4):471–5

The cytodiagnosis of well–differentiated neuroendocrine carcinoma. A distinct clinicopathologic entity. Jordan AG, et al. **Acta Cytol** 1987 Jul–Aug;31(4):464–70

Mucin–producing bronchioloalveolar–cell carcinoma. With special reference to a characteristic structure revealed by phosphotungstic acid–hematoxylin staining. Ebihara Y, et al. **Acta Cytol (Baltimore)** 1986 Nov–Dec;30(6):643–7

Asbestos bodies in pulmonary fine needle aspirates: a more sinister finding than in other cytologic specimens? [letter] Leiman G, et al. **Acta Cytol (Baltimore)** 1986 Sep–Oct; 30(5):555–6

Use of neostigmine to increase the rate of lung cancer detection by sputum cytology. Qin D. **Acta Cytol (Baltimore)** 1986 Sep–Oct;30(5):547–8

The quality and diagnostic outcome of postbronchoscopic sputum. Risse EK, et al. **Acta Cytol (Baltimore)** 1987 Mar–Apr;31(2):166–9

Relationship between the cellular composition of sputum and the cytologic diagnosis of lung cancer. Risse EK, et al. **Acta Cytol (Baltimore)** 1987 Mar–Apr;31(2):170–6

Relationship between patient characteristics and the sputum cytologic diagnosis of lung cancer. Risse EK, et al. **Acta Cytol (Baltimore)** 1987 Mar–Apr;31(2):159–65

Fine needle aspiration cytology of malignant mesothelioma. Sterrett GF, et al. **Acta Cytol (Baltimore)** 1987 Mar–Apr; 31(2):185–93

Mast cells and lysozyme positive macrophages in bronchoalveolar lavage from patients with sarcoidosis. Valuable prognostic and activity marking parameters of disease? Bjermer L, et al. **Acta Med Scand** 1986; 220(2):161–6

Comparison of characteristics of human small cell carcinoma of the lung in patients, in vitro and transplanted into nude mice. Engelholm SA, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1986 Sep; 94(5):325–36

Morphological features of established cultures of human squamous lung carcinoma cells and the cellular distribution of tumor–specific glycoproteins. Klokker M, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1986 Nov; 94(6):381–90

Chest–wall invasion by carcinoma of the lung: detection by MR imaging. Haggar AM, et al. **AJR** 1987 Jun; 148(6):1075–8

CT evaluation of mediastinal lymph nodes in lung cancer: influence of the lobar site of the primary neoplasm. Platt JF, et al. **AJR** 1987 Oct;149(4):683–6

Neoplastic superior vena caval obstruction: diagnosis with percutaneous needle aspiration. Cosmo L, et al. **Am J Med Sci** 1987 Feb;293(2):99–102

Immunohistochemical study of basement membrane antigens in bronchioloalveolar carcinoma. Grigioni WF, et al. **Am J Pathol** 1987 Aug;128(2):217–24

Squamous carcinoma of the lung in a nonirradiated, nonsmoking patient with juvenile laryngotracheal papillomatosis. Helmuth RA, et al. **Am J Surg Pathol** 1987 Aug;11(8):643–50

Pulmonary natural killer cell activity is reduced in patients with bronchogenic carcinoma. Weissler JC, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1353–7

Transcutaneous needle aspiration of solitary pulmonary masses: how many passes? Williams AJ, et al. **Am Rev Respir Dis** 1987 Aug;136(2):452–4

Fine–needle aspiration biopsy in diagnosis of pulmonary masses. Kaufman M, et al. **Am Surg** 1987 Jun;53(6):339–41

Bone marrow examination in small cell lung cancer [letter] **Ann Intern Med** 1987 Jan;106(1):170–1

Favorable prognosis of brain metastases in small cell lung cancer. Giannone L, et al. **Ann Intern Med** 1987 Mar; 106(3):386–9

Bone marrow examination in small cell lung cancer [letter] Hirsch FR, et al. **Ann Intern Med** 1987 Jun;106(6):913

Nerve growth factor may be the metastasis growth factor. Glinsky GV, et al. **Ann NY Acad Sci** 1987;496:656–9

Metastatic disease first presenting as eyelid tumors: a report of two cases and review of the literature. Morgan LW, et al. **Ann Ophthalmol** 1987 Jan;19(1):13–8

Staging of lung cancer [editorial] Moores DW. **Ann Thorac Surg** 1987 Sep;44(3):225–6

Intravascular bronchioloalveolar tumor: a distinctive surgical and pathological entity. Sweeney WB, et al. **Ann Thorac Surg** 1986 Dec;42(6):702–4

Fine–needle aspiration biopsy of lung tumors. Taber RE, et al. **Ann Thorac Surg** 1986 Dec;42(6 Suppl):S44–7

Intraoperative fine–needle aspiration and rapid diagnosis of thoracic lesions. Christ ML, et al. **Appl Pathol** 1986; 4(3):125–31

Neuroendocrine structures in normal and diseased human lung. Mosca L, et al. **Appl Pathol** 1986;4(3):147–61

Lymphangioleiomyomatosis. A case report with an immunohistochemical study. Schiavina M, et al. **Appl Pathol** 1986;4(3):170–4

Clinical, histological and morphometrical parameters in small cell carcinoma of the lung: correlation with survival. Sforza V, et al. **Appl Pathol** 1986;4(1–2):90–7

Lactate dehydrogenase values and bone scans as predictors of bone marrow involvement in small–cell lung cancer. Hamrick RM 3d, et al. **Arch Intern Med** 1987 Jun; 147(6):1070–1

Periodic acid–Schiff–lead hematoxylin as a marker for the endocrine phenotype in human lung tumors. Hoyt RF Jr, et al. **Arch Pathol Lab Med** 1986 Oct;110(10):943–51

Primary choriocarcinoma of the lung. Pushchak MJ, et al. **Arch Pathol Lab Med** 1987 May;111(5):477–9

Unusual thoracic manifestations of epithelioid hemangioendothelioma. Yousem SA, et al. **Arch Pathol Lab Med** 1987 May;111(5):459–63

Effect of two inducers of cellular differentiation on the glutathione status of human HL–60 promyelocytic leukaemia and A549 lung carcinoma cells. Lazenby CM, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2869–71

Flow DNA analysis in human lung cancer: potentiality and limitations due to sampling methods. Chassevent A, et al. **Biol Cell** 1986;58(2):121–6

The effect of adriamycin and 4'–deoxydoxorubicin on cell survival of human lung tumour cells grown in monolayer and as spheroids. Kerr DJ, et al. **Br J Cancer** 1986 Sep; 54(3):423–9

RMZ: a new cell line from a human alveolar rhabdomyosarcoma. In vitro expression of embryonic myosin. Nanni P, et al. **Br J Cancer** 1986 Dec;54(6):1009–14

Drug sensitivity of non small cell carcinoma of lung by clonogenic assay in several media. Simmonds AP, et al. **Br J Cancer** 1986 Oct;54(4):587–94

Cyclosporin A and its analogues as modifiers of adriamycin

and vincristine resistance in a multi-drug resistant human lung cancer cell line. Twentyman PR, et al. **Br J Cancer** 1987 Jul;56(1):55–7

Atypical manifestations of pulmonary adenoid cystic carcinoma. Gallagher CG, et al. **Br J Dis Chest** 1986 Oct; 80(4):396–9

Pulmonary fibrosis in asbestos insulation workers with lung cancer: a radiological and histopathological evaluation. Kipen HM, et al. **Br J Ind Med** 1987 Feb;44(2):96–100

Metastatic deposits from a previously treated carcinoma of the lung presenting as a renal carcinoma [letter] Amin R, et al. **Br J Radiol** 1986 Oct;59(706):1050

Renal metastases from carcinoma of the lung. Becker WE, et al. **Br J Urol** 1986 Oct;58(5):494–8

Bronchioloalveolar carcinoma [editorial] Geddes DM. **Br Med J** 1987 Jan 3;294(6563):3

Bone marrow involvement in anaplastic small cell lung cancer. Diagnosis, hematologic features, and prognostic implications. Bezwoda WR, et al. **Cancer** 1986 Oct 15; 58(8):1762–5

Small cell carcinoma of the lung. A progress report of 15 years' experience. Choi NC, et al. **Cancer** 1987 Jan 1; 59(1):6–14

Lung cancer heterogeneity. Prognostic implications. Fraire AE, et al. **Cancer** 1987 Aug 1;60(3):370–5

Sclerosing hemangioma of the lung. Immunohistochemical demonstration of mesenchymal origin using antibodies to tissue-specific intermediate filaments. Huszar M, et al. **Cancer** 1986 Dec 1;58(11):2422–7

Retrospective and prospective tumor staging evaluating prognostic factors in operated bronchus carcinoma patients. Kayser K, et al. **Cancer** 1987 Jan 15;59(2):355–61

Brain metastasis in patients with superior sulcus tumors. Komaki R, et al. **Cancer** 1987 May 1;59(9):1649–53

Small bowel metastases from primary carcinoma of the lung. McNeill PM, et al. **Cancer** 1987 Apr 15;59(8):1486–9

Recurrent and metastatic pulmonary fibrous histiocytoma/plasma cell granuloma in a child. Maier HC, et al. **Cancer** 1987 Sep 1;60(5):1073–6

Bronchial mucoepidermoid carcinoma metastatic to skin. Report of a case and review of the literature. Metcalf JS, et al. **Cancer** 1986 Dec 1;58(11):2556–9

Lung carcinoma in the elderly population. Influence of histology on the inverse relationship of stage to age. Teeter SM, et al. **Cancer** 1987 Sep 15;60(6):1331–6

Prognostic significance of flow cytometry in lung cancer. A 5-year study. Tirindelli-Danesi D, et al. **Cancer** 1987 Aug 15;60(4):844–51

Mucoepidermoid tumors of the lung. Yousem SA, et al. **Cancer** 1987 Sep 15;60(6):1346–52

Primary pulmonary hemangiopericytoma. Yousem SA, et al. **Cancer** 1987 Feb 1;59(3):549–55

The effect of the two epipodophyllotoxin derivatives etoposide (VP-16) and teniposide (VM-26) on cell lines established from patients with small cell carcinoma of the lung. Roed H, et al. **Cancer Chemother Pharmacol** 1987; 19(1):16–20

In vitro colony inhibition of carboplatin against stomach and lung cancer cell lines in comparison with cisplatin. Takahashi H, et al. **Cancer Chemother Pharmacol** 1987; 19(3):197–200

Biological, pathological and clinical features of small cell lung cancer. Shimosato Y, et al. **Cancer Lett** 1986 Dec; 33(3):241–58 (72 ref.)

Preneoplastic and neoplastic growth of xenotransplanted lung-derived human cell lines using deepithelialized rat tracheas. Baba M, et al. **Cancer Res** 1987 Jan 15;47(2):573–8

Characterization of two cell lines with distinct phenotypes established from a patient with small cell lung cancer. Bepler G, et al. **Cancer Res** 1987 Apr 1;47(7):1883–91

Selective stimulation of small cell lung cancer clonal growth by bombesin and gastrin-releasing peptide. Carney DN, et al. **Cancer Res** 1987 Feb 1;47(3):821–5

Cytotoxic response of the relatively difluoromethylornithine-resistant human lung tumor cell line NCI H157 to the polyamine analogue N1,N8-bis(ethyl)spermidine. Casero RA Jr, et al. **Cancer Res** 1987 Aug 1;47(15):3964–7

Lysis by activated lymphocytes of melanoma and small cell lung cancer cells surviving in vitro treatment with melosfamide. Gambacorti-Passerini C, et al. **Cancer Res** 1987 May 15;47(10):2547–52

Small cell lung cancer cell line derived from a primary tumor with a characteristic deletion of 3p. Graziano SL, et al. **Cancer Res** 1987 Apr 15;47(8):2148–55

Detection of small cell lung cancer bone marrow involvement by discontinuous gradient sedimentation. Hunter RF, et al. **Cancer Res** 1987 May 15;47(10):2737–40

Differential behavior of human bronchial carcinoma cells in culture. Klein JC, et al. **Cancer Res** 1987 Jun 15; 47(12):3251–8

Novel intrapulmonary model for orthotopic propagation of human lung cancers in athymic nude mice. McLemore TL, et al. **Cancer Res** 1987 Oct 1;47(19):5132–40

Effect of recombinant monokines, lymphokines, and other agents on clonal proliferation of human lung cancer cell lines. Munker M, et al. **Cancer Res** 1987 Aug 1; 47(15):4081–5

Human lung tumor growth established in the lung and subcutaneous tissue of mice with severe combined immunodeficiency. Reddy S, et al. **Cancer Res** 1987 May 1;47(9):2456–60

Reversible squamous cell characteristics induced by vitamin A deficiency in a small cell lung cancer cell line. Terasaki T, et al. **Cancer Res** 1987 Jul 1;47(13):3533–7

Monoclonal antibody that distinguishes small-cell lung cancer from non-small-cell lung cancer. Watanabe J, et al. **Cancer Res** 1987 Feb 1;47(3):826–9

Multifactorial drug resistance in an adriamycin-resistant human small cell lung carcinoma cell line. Zijlstra JG, et al. **Cancer Res** 1987 Apr 1;47(7):1780–4

In vitro chemosensitivity of human lung cancer cell lines. Ruckdeschel JC, et al. **Cancer Treat Rep** 1987 Jul–Aug; 71(7–8):697–704

Malignant epithelial cell strains cultured from BALB/c mouse lung adenoma. Smith GJ, et al. **Cell Biol Int Rep** 1987 Feb;11(2):111–8

Nude mice bearing human CSF-producing tumor: analysis of hemopoietic factor(s) acting on primitive stem cells. Takeda K, et al. **Cell Struct Funct** 1987 Jun;12(3):273–80

Thoracic needle biopsy. Improved results utilizing a team approach. Conces DJ Jr, et al. **Chest** 1987 Jun;91(6):813–6

Large cell carcinoma of the lung. Ultrastructural and immunohistochemical features. Delmonte VC, et al. **Chest** 1986 Oct;90(4):524–7

Pulmonary Hodgkin's disease and Langerhans cell granulomatosis [letter] Flint A, et al. **Chest** 1987 Jul; 92(1):191–2

Correlation between needle biopsy of lung tumors and histopathologic analysis of resected specimens. Horrigan TP, et al. **Chest** 1986 Nov;90(5):638–40

Clinical features of lung cancers discovered as a postmortem "surprise" McFarlane MJ, et al. **Chest** 1986 Oct;90(4):520–3

Ultrasound-guided tissue-core biopsy of thoracic lesions with Trucut and Surecut needles. Pang JA, et al. **Chest** 1987 Jun;91(6):823–8

Secondary hematologic changes in small cell lung cancer and malignant lymphoma. Song SZ, et al. **Chin Med J [Engl]** 1987 Feb;100(2):97–102

Centrifugal separation of cells in sputum specimens from patients with undifferentiated carcinoma. Albright CD, et al. **Cytometry** 1986 Nov;7(6):536–43

Percutaneous fine-needle cytology for lung cancer diagnosis. Kato H, et al. **Diagn Cytopathol** 1986 Dec;2(4):277–83

Carcinoid tumors of the lung: cytologic differential diagnosis in fine-needle aspirates. Kim K, et al. **Diagn Cytopathol** 1986 Dec;2(4):343–6

Synaptophysin expressed in the bronchopulmonary tract: neuroendocrine cells, neuroepithelial bodies, and neuroendocrine neoplasms. Lee I, et al. **Differentiation** 1987;34(2):115–25

Cell lines as an investigational tool for the study of biology of small cell lung cancer. Gazdar AF, et al. **Eur J Cancer Clin Oncol** 1986 Aug;22(8):909–11

Monoclonal antibodies in lung cancer pathology. Broers JL, et al. **Eur J Respir Dis [Suppl]** 1987;149:11–8

Clinical implications of the biology of small cell lung cancer. Carney DN. **Eur J Respir Dis [Suppl]** 1987;149:5–9

Small cell lung cancer. de Leij L, et al. **Eur J Respir Dis [Suppl]** 1987;149:1–4

Preliminary results of the pathological review of a small cell lung cancer trial (EORTC 08825). Wagenaar SS. **Eur J Respir Dis [Suppl]** 1987;149:63

Activity of (7) anthracycline related compounds in an doxorubicin sensitive human small cell lung cancer line and its doxorubicin resistant descendant. Activity of doxorubicin, daunorubicin, 4-deoxyrubicin, 4-demethoxydaunorubicin, detorubicin, 4'-epidoxorubicin and mitoxantrone. Zijlstra JG, et al. **Eur J Respir Dis [Suppl]** 1987;149:53–5

Human lung tumours: does intermediate filament co-expression correlate with other morphological or immunocytochemical features? Gatter KC, et al. **Histopathology** 1987 Jul;11(7):705–14

Pulmonary blastoma. Immunohistochemical and ultrastructural studies of a case. Korbi S, et al. **Histopathology** 1987 Jul;11(7):753–60

Carney's triad: gastric leiomyosarcoma, pulmonary chondroma and extra-adrenal paraganglioma in young females. Raafat F, et al. **Histopathology** 1986 Dec; 10(12):1325–33

Papillary adenocarcinoma of lung with psammoma bodies: report of a case derived from type II pneumocytes. Salisbury JR, et al. **Histopathology** 1986 Aug;10(8):877–84

Spindle cell squamous carcinoma of the lung. Immunocytochemical and ultrastructural study of a case. Suster S, et al. **Histopathology** 1987 Aug;11(8):871–8

Atypical endocrine tumors of the lung: a histologic, ultrastructural, and clinical study of 19 cases. Neal MH, et al. **Hum Pathol** 1986 Dec;17(12):1264–77

Alveolar adenoma. Yousem SA, et al. **Hum Pathol** 1986 Oct; 17(10):1066–71

Tumours of the lung—a histomorphological study. Malhotra V, et al. **Indian J Chest Dis Allied Sci** 1986 Jan–Mar; 28(1):28–40

Concordance of histological classification of lung cancer with special reference to adenocarcinoma in Osaka, Japan, and the North-West Region of England. Hanai A, et al. **Int J Cancer** 1987 Jan 15;39(1):6–9

Radiation cell survival and growth delay studies in multicellular spheroids of small-cell lung carcinoma. Duchesne GM, et al. **Int J Radiat Biol** 1987 Feb; 51(2):365–75

Drug resistance in human lung cancer cell lines: cross-resistance studies and effects of the calcium transport blocker, verapamil. Twentyman PR, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1355–8

Effects of ciclopidine on metastasis production in mice bearing Lewis lung carcinoma. Fabra A, et al. **Invasion Metastasis** 1987;7(1):53–60

Demonstration of site-specific tumour growth by a 50% end point assay. Willmott N, et al. **Invasion Metastasis** 1987; 7(1):30–40

Seeding of malignant cells into the needle track after lung and pleural biopsy. Müller NL, et al. **J Can Assoc Radiol** 1986 Sep;37(3):192–4

Establishment, growth properties, and morphological characteristics of permanent human small cell lung cancer cell lines. Bepler G, et al. **J Cancer Res Clin Oncol** 1987; 113(1):31–40

TNM stage, immunohistology, syntactic structure analysis and survival in patients with small cell anaplastic carcinoma of the lung. Kayser K, et al. **J Cancer Res Clin Oncol** 1987; 113(5):473–80

Zinc-induced reduction in melphalan cytotoxicity: heterogeneity of response of cloned human tumor cells. Tobey RA, et al. **J Cell Physiol** 1987 May;131(2):235–9

Metastatic patterns in small-cell lung cancer: correlation of autopsy findings with clinical parameters in 537 patients. Elliott JA, et al. **J Clin Oncol** 1987 Feb;5(2):246–54

Pulmonary adenocarcinoma: review of 106 cases and proposed new classification. Edwards CW. **J Clin Pathol** 1987 Feb;40(2):125–35

Epidermal Langerhans cell density in patients with pulmonary malignancies and chronic obstructive pulmonary disease. Shaieb AM, et al. **J Dermatol Surg Oncol** 1987 Sep;13(9):991–6

Segmental rigidity and spinal myoclonus as a paraneoplastic syndrome. Roobol TH, et al. **J Neurol Neurosurg Psychiatry** 1987 May;50(5):628–31

A rare case of simultaneous malignant tumors: osteosarcoma of the mandible and lung cancer. Ohya T, et al. **J Oral Maxillofac Surg** 1987 Mar;45(3):261–4

The role of sputum cytology in the detection and treatment of carcinoma of the lung. Bolton JW, et al. **J SC Med Assoc** 1986 Sep;82(9):583–8

Pulmonary blastoma in childhood. Jimenez JF. **J Surg Oncol** 1987 Feb;34(2):87–93

Extra-adrenal paraganglioma and pulmonary chondroma: a case report and review of the literature. Keyhani-Rofagha S, et al. **J Surg Oncol** 1987 Jun;35(2):89–95

Three synchronous bilateral lung tumors: a case report. Paul SM, et al. **J Surg Oncol** 1987 Apr;34(4):253–7

Lung cancer in men aged 40 or younger. Sarma DP, et al. **J Surg Oncol** 1986 Oct;33(2):124–5

Bronchial carcinoid with multiple aerogenous implanted foci. Suzuki K, et al. **J Surg Oncol** 1987 Mar;34(3):211–5

Selective preoperative evaluation for possible N2 disease in carcinoma of the lung. Backer CL, et al. **J Thorac Cardiovasc Surg** 1987 Mar;93(3):337–43

Computed tomography for the evaluation of intrathoracic invasion by lung cancer. Rendina EA, et al. **J Thorac Cardiovasc Surg** 1987 Jul;94(1):57–63

Transthoracic needle biopsy of the hilum and mediastinum. Westcott JL. **J Thorac Imaging** 1987 Apr;2(2):41–8

Enhancement of pulmonary metastasis of murine fibrosarcoma NR-FS by ozone exposure. Kobayashi T, et al. **J Toxicol Environ Health** 1987;20(1–2):135–45

Histopathology of lung cancer in New Mexico, 1970–72 and 1980–81. Butler C, et al. **JNCI** 1987 Jan;78(1):85–90

Local tumor inflammation, lymph node metastasis, and survival of operated bronchus carcinoma patients [letter] Prehn RT. **JNCI** 1987 Mar;78(3):589–90

Cellular derivation of lung tumors in sensitive and resistant strains of mice: results at 28 and 56 weeks after urethan treatment. Thaete LG, et al. **JNCI** 1987 Apr;78(4):743–9

Effects of 8-bromoadenosine 3':5'-cyclic monophosphate on proteolytic enzymes, adhesiveness and lung-colonizing ability of cloned low-metastatic Lewis lung carcinoma cells. Takenaga K. **Jpn J Cancer Res** 1986 Oct; 77(10):998–1004

Incidence of squamous metaplasia in large bronchi of Japanese lungs: relation to pulmonary carcinomas of various subtypes. Tsuchiya E, et al. **Jpn J Cancer Res** 1987 Jun;78(6):559–64

Colony inhibitory effect of recombinant human tumor necrosis factor (rH-TNF) and/or recombinant human interferon (rH-IFN)-alpha, -beta and -gamma on human lung cancer cell lines. Hong WS, et al. **Jpn J Clin Oncol** 1987 Mar;17(1):49–55

Exfoliative cytopathology of atypical pulmonary carcinoid: a case report. Nishikawa A, et al. **Jpn J Clin Oncol** 1986 Dec;16(4):413–9

Changes in cell characteristics due to culture conditions in cell lines from human small cell lung cancer. Terasaki T, et al. **Jpn J Clin Oncol** 1986 Sep;16(3):203–12

Undifferentiated carcinoma of the lung with osteoclast-like giant cells. Nakahashi H, et al. **Jpn J Surg** 1987 May; 17(3):199–203

Is bone-marrow sampling necessary in patients with small-cell lung cancer? [editorial] [published erratum appears in Lancet 1987 Mar 28;1(8535):760] **Lancet** 1987 Jan 10;1(8524):83

The microcellular (oat cell, small cell anaplastic) carcinoma of the lung. A histopathological study of 620 diagnosed cases. Eskenasy A. **Morphol Embryol (Bucur)** 1986

Oct–Dec;32(4):257–69 (47 ref.)
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 23–1987. A 61–year–old woman with a left pleural effusion and a reticulonodular pulmonary infiltrate. **N Engl J Med** 1987 Jun 4; 316(23):1462–70
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 38–1987. A 22–year–old woman with a pulmonary mass and lesions in the bones and brain. **N Engl J Med** 1987 Sep 17;317(12):754–62
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 40–1987. A seven–year–old boy with acute lymphocytic leukemia in remission, with abnormalities of the ears, paranasal sinuses, and lungs. **N Engl J Med** 1987 Oct 1;317(14):879–90
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 51–1986. A 44–year–old homosexual man with back pain and an interstitial pulmonary infiltrate. **N Engl J Med** 1986 Dec 25; 315(26):1660–8
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 2–1987. A 30–year–old man with ataxia–telangiectasia and dysphagia. **N Engl J Med** 1987 Jan 8;316(2):91–100
Mesenchymal cystic hamartoma of the lung. Mark EJ. **N Engl J Med** 1986 Nov 13;315(20):1255–9
Lung tumor presentation in relation to histology and smoking habit of operable and inoperable patients. Desatnik P, et al. **Neoplasma** 1987;34(1):115–8
Method of separate bronchospirography with the use of bronchofibroscope and its clinical value in lung cancer patients. Tulepov AS, et al. **Neoplasma** 1987;34(3):347–52
Histopathological subclassification of small cell carcinoma of the lung. Evaluation of its prognostic significance. Linssen GC, et al. **Neth J Med** 1986;29(10):313–7 (42 ref.)
Metastasis of lung carcinoma to intracranial meningioma. Case report and review of literature. Conzen M, et al. **Neurochirurgia (Stuttg)** 1986 Sep;29(5):206–9
Human tumor clonogenic assay for carcinoma of the lung. II. Factors that influence colony formation in soft agar. Kanzawa F, et al. **Oncology** 1987;44(3):150–5
A new flexible biopsy needle for the fiberoptic bronchoscope. Initial clinical results. Gentz HD, et al. **Panminerva Med** 1986 Jul–Sep;28(3):285–6
Fiberoptic bronchoscopy (FBS) and transparietal fine needle aspiration biopsy (TFNAB) in diagnosis for lung cancer. Giampaglia F, et al. **Panminerva Med** 1986 Jul–Sep; 28(3):225
Evaluation of hilar and mediastinal lymph nodes in lung cancer patients by bronchoscopy and computed tomography. Rollandi GA, et al. **Panminerva Med** 1986 Jul–Sep;28(3):241–2
Lymphocyte subpopulations, in bronchial lavage, in patients with lung cancer. Rossi P, et al. **Panminerva Med** 1986 Oct–Dec;28(4):343–6
Bronchoscopic important localisations for taking specimen. Wieser O, et al. **Panminerva Med** 1986 Jul–Sep;28(3):283–4
Cell atypia profiles for monitoring preneoplastic changes in pulmonary squamous cell carcinogenesis. Swank PR, et al. **Pathol Immunopathol Res** 1986;5(1):47–53
Systemic angioendotheliomatosis of the lung. Remberger K, et al. **Pathol Res Pract** 1987 Apr;182(2):265–74 (52 ref.)
Clara cell and type II pneumocyte adenoma. An immunocytochemical and ultrastructural study of three cases. Franco V, et al. **Pathologica** 1986 Sep–Oct; 78(1057):593–602
In vitro histamine release from bronchial biopsy. Baenkler HW, et al. **Prax Klin Pneumol** 1987 Feb;41(2):43–4
Reduced tumorigenicity of a spontaneous mouse lung carcinoma following H–2 gene transfection. Bahler DW, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4562–6
Mediastinal lymph node metastases from bronchogenic carcinoma: detection with MR imaging and CT. Poon PY, et al. **Radiology** 1987 Mar;162(3):651–6
Preliminary experience with a dual cutting edge needle in thoracic percutaneous fine–needle aspiration biopsy. Weisbrod GL, et al. **Radiology** 1987 Apr;163(1):75–8
Carcinomas of the lung with neuroendocrine differentiation. Carter D, et al. **Semin Diagn Pathol** 1985 Nov;2(4):235–54 (90 ref.)
Pulmonary lymphoid neoplasms. Colby TV, et al. **Semin Diagn Pathol** 1985 Aug;2(3):183–96 (43 ref.)
The intravascular bronchioloalveolar tumor and the sclerosing hemangioma of the lung: misnomers of pulmonary neoplasia. Eggleston JC. **Semin Diagn Pathol** 1985 Nov;2(4):270–80 (38 ref.)
Cytopathologic diagnosis of pulmonary neoplasms in sputum and bronchoscopic specimens. Erozan YS. **Semin Diagn Pathol** 1986 Aug;3(3):188–95
Epithelioid hemangioendothelioma and related lesions. Weiss SW, et al. **Semin Diagn Pathol** 1986 Nov;3(4):259–87 (55 ref.)
Large cell carcinoma of the lung. Yesner R. **Semin Diagn Pathol** 1985 Nov;2(4):255–69 (25 ref.)
Transthoracic aspiration cytology of pulmonary lesions. Zaman MB, et al. **Semin Diagn Pathol** 1986 Aug;3(3):176–87
Controversies in asbestos–related lung cancer. Cullen MR. **State Art Rev Occup Med** 1987 Apr–Jun;2(2):259–72
Silicosis. Landrigan PJ. **State Art Rev Occup Med** 1987 Apr–Jun;2(2):319–26
Evaluation of the mediastinum by invasive techniques. Ginsberg RJ. **Surg Clin North Am** 1987 Oct;67(5):1025–35
Diagnostic and therapeutic uses of pleuroscopy (thoracoscopy) in lung cancer. Kaiser LR. **Surg Clin North Am** 1987 Oct;67(5):1081–6
The new International Staging System for Lung Cancer. Mountain CF. **Surg Clin North Am** 1987 Oct;67(5):925–35
Pulmonary Kaposi's sarcoma in patients with acquired immune deficiency syndrome: a clinicopathological study. Fouret PJ, et al. **Thorax** 1987 Apr;42(4):262–8
Granular cell tumour of the bronchus: bronchoscopic and clinical features. Hernandez OG, et al. **Thorax** 1986 Dec; 41(12):927–31
Interpretation of negative results in fine needle aspiration of discrete pulmonary lesions. Winning AJ, et al. **Thorax** 1986 Nov;41(11):875–9
Tumor histology and the immunoregulatory T lymphocyte subsets in lung cancer patients. Kumano N, et al. **Tohoku J Exp Med** 1986 Dec;150(4):483–4
Plasma cell granuloma of the lung (inflammatory pseudotumor). Fassina AS, et al. **Tumori** 1986 Oct 31; 72(5):529–34
Growth characteristics of human colorectal and non–small cell lung tumors xenografted into nude mice: possible correlation with prognosis. Pratesi G, et al. **Tumori** 1986 Aug 31;72(4):351–6
Electron microscopic and immunohistochemical analysis of glomerular deposits in patients with bronchogenic carcinoma. Davis S, et al. **Ultrastruct Pathol** 1980 Oct–Dec; 1(4):527–31
Ultrastructure of tumour invasion and desmoplastic response of bronchogenic squamous cell carcinoma. Dingemans KP, et al. **Virchows Arch [A]** 1987;411(3):283–91
Giant fibroma of the lung. A morphological study. Kleinert R, et al. **Virchows Arch [A]** 1987;410(5):363–7
[Aspiration needle biopsy with ultrasonic guide in chest diseases: a report of 11 cases] Huang XM. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Aug;9(4):245–6, 256 (Eng. Abstr.) **(Chi)**
[Bronchial carcinoid tumors (report of 10 cases)] Sun CF. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1987 Feb;10(1):1–3, 61 (Eng. Abstr.) **(Chi)**
[Transthoracic needle biopsy of the lung] Yang DC. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Aug;9(4):197–9, 253 (Eng. Abstr.) **(Chi)**
[Mouse lung adenocarcinoma (LA–795)—study by histochemistry, light and electron microscopy] Ma KS. **Chung Hua Chung Liu Tsa Chih** 1986 Mar;8(2):87–9 (Eng. Abstr.) **(Chi)**
[In vivo experiments, in vitro assays in experimental oncology: establishment of LA 795 Vv–Vt] Sun JR, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Nov;8(6):401–4 (Eng. Abstr.) **(Chi)**
[Intraoperative cytodiagnosis of lung masses by fine needle aspiration] Zhang XG, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Sep;8(5):355–7 (Eng. Abstr.) **(Chi)**
[Studies on the growth and metastasis behaviors of human lung carcinoma in athymic nude mice] Fang WG. **Chung–hua Ping Li Hsueh Tsa Chih** 1986 Mar;15(1):12–6 (Eng. Abstr.) **(Chi)**
[A histopathologic study of the bronchial epithelia in cases of squamous carcinoma of the human lung] Lan FS. **Chung–hua Ping Li Hsueh Tsa Chih** 1986 Mar;15(1):45–9 (Eng. Abstr.) **(Chi)**
[Histopathological analysis of 9 autopsy cases of asbestosis] Wang BS. **Chung–hua Ping Li Hsueh Tsa Chih** 1986 Dec; 15(4):274–6 (Eng. Abstr.) **(Chi)**
[Comparative observation on invasiveness, in nude mice, after transplantation of human pulmonary adenocarcinoma cell line into different sites] Xue KX, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Apr; 8(2):128–31 (Eng. Abstr.) **(Chi)**
[A study of antineoplastic activity of DHAQ on human adenocarcinoma cells of lung hepatoma and gastric cancer cells in vitro] Bai SH, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Dec;17(4):284–6 (Eng. Abstr.) **(Chi)**
[Transcarinal mediastinal needle biopsy. A supplement to conventional bronchoscopy] Struve–Christensen E, et al. **Ugeskr Laeger** 1987 Apr 13;149(16):1061–3 (Eng. Abstr.) **(Dan)**
[Malignant histiocytosis of pulmonary form] Le Jeunne C, et al. **Ann Med Interne (Paris)** 1986;137(7):573–5 (Eng. Abstr.) **(Fre)**
[Value of immediate cytology in transparietal pulmonary punctures] Beju–Thivolet F, et al. **Ann Radiol (Paris)** 1987; 30(1):25–9 (Eng. Abstr.) **(Fre)**
[Primary pulmonary leiomyosarcoma. Review of the literature apropos of a case] Defraigne JO, et al. **J Chir (Paris)** 1987 Apr;124(4):272–5 (Eng. Abstr.) **(Fre)**
[A greatly underrated technic: cytology in the diagnosis of bronchopulmonary cancer (letter)] Dumollard JM, et al. **Presse Med** 1987 Jul 11–18;16(27):1334 **(Fre)**
[Transthoracic pulmonary needle puncture. Apropos of 21 cases] Vodoz JF. **Rev Med Suisse Romande** 1986 Sep; 106(9):827–31 **(Fre)**
[A rare malignant pulmonary tumor: pneumoblastoma. Apropos of a case report and review of the literature] Jamoussi M, et al. **Tunis Med** 1986 May;64(5):485–90 (Eng. Abstr.) **(Fre)**
[Bazex acrokeratosis in metastasizing bronchial cancer] Stolp A, et al. **Dermatol Monatsschr** 1987;173(5):258–63 (Eng. Abstr.) **(Ger)**
[Postinflammatory pseudotumor of the lung in childhood] Deindl C, et al. **Klin Padiatr** 1987 Mar–Apr;199(2):115–8 (Eng. Abstr.) **(Ger)**
[Clinicopathologic conference. Paraneoplastic Cushing syndrome in adenocarcinoma of the lung. A clinical, biochemical and histopathologic study] Kahaly G, et al. **Med Klin** 1987 Jul 17;82(15–16):526–31 (Eng. Abstr.) **(Ger)**
[Encephalitis with isolated pupillary disorder and ganglioradiculo–neuropathy with ascending degeneration of the posterior column in bronchial cancer] Martin P, et al. **Nervenarzt** 1987 Mar;58(3):175–80 **(Ger)**
[Lung tuberculosis and lung cancer from the viewpoint of the pathologist] Müller KM, et al. **Off Gesundheitswes** 1986 Sep;48(9):481–7 (Eng. Abstr.) **(Ger)**
[Significance of TNM classification in evaluating the prognosis of resected lung cancer] Kutschera W. **Onkologie** 1986 Dec;9(6):334–5 **(Ger)**
[Pulmonary blastoma. Report of 2 cases] Hartmann CA, et al. **Pathologe** 1986 Sep;7(5):288–93 **(Ger)**
[Lung involvement in Bourneville–Pringle disease] Seitz G, et al. **Pathologe** 1986 Sep;7(5):298–301 **(Ger)**
[Hamartochondromas of the lung as causes of middle lobe syndrome] Hackl H. **Prax Klin Pneumol** 1987 May; 41(5):177–9 (Eng. Abstr.) **(Ger)**
[Bilateral, large cavitary broncho–alveolar carcinoma of a diffuse type] Seibel MJ, et al. **Prax Klin Pneumol** 1987 Feb; 41(2):49–52 (Eng. Abstr.) **(Ger)**
[Clinical application of the Gompertz function to small–cell bronchial cancer] Gärtner C, et al. **Radiobiol Radiother (Berl)** 1986;27(5):519–25 (Eng. Abstr.) **(Ger)**
[Percutaneous transthoracic needle aspiration biopsy of benign and malignant lung lesions] Bartelt D, et al. **Radiologe** 1986 Oct;26(10):455–9 (Eng. Abstr.) **(Ger)**
[Pulmonary blastoma: evolution into an adenocarcinoma] Römer T, et al. **ROFO** 1986 Oct;145(4):473–5 **(Ger)**
[Role of conventional thoracic diagnosis in the intrathoracic staging of bronchial carcinoma] Otto H, et al. **Rontgenpraxis** 1987 Mar;40(3):85–91 **(Ger)**
[A 62–year–old patient with recurring venous thromboses of the leg and lung infarcts despite therapy with oral anticoagulants] Lechner K, et al. **Wien Klin Wochenschr** 1986 Aug 8;98(15):503–10 **(Ger)**
[Growth rate of hamartomas of the lung] Hackl H. **Z Erkr Atmungsorgane** 1986;167(3):261–5 (Eng. Abstr.) **(Ger)**
[Value of bronchoalveolar lavage for the diagnosis of adenocarcinoma of the lung] Wiesner B, et al. **Z Erkr Atmungsorgane** 1986;167(1–2):158–62 (Eng. Abstr.) **(Ger)**
[Staging of inoperable small cell bronchial cancer] Anger G, et al. **Z Gesamte Inn Med** 1987 Jan 1;42(1):20–3 (Eng. Abstr.) **(Ger)**
[Hamartoma of the lung. Dysontogenetic lesion or true tumor? Study of 100 personal cases] Hackl H. **Zentralbl Allg Pathol** 1987;133(1):7–28 (Eng. Abstr.) **(Ger)**
[Value of cytologic diagnosis of pulmonary carcinoid tumors. A morphologico–clinical analysis] Leonhardt P, et al. **Zentralbl Allg Pathol** 1987;133(3):285–92 (Eng. Abstr.) **(Ger)**
[Bronchial cancers with morphologic and immunohistochemically diversely differentiated metastases] Metz KA, et al. **Zentralbl Allg Pathol** 1987;133(1):49–54 (Eng. Abstr.) **(Ger)**
[Granular cell tumor (Abrikosov myoblastoma) of the respiratory tract associated with epithelial hyperplasia simulating carcinoma] Tóth T, et al. **Morphol Igazsagugyi Orv Sz** 1987 Jan;27(1):55–60 (Eng. Abstr.) **(Hun)**
[Role of computerized tomography in thoraco–pulmonary needle aspiration] Belfiore G, et al. **Arch Monaldi** 1985 Sep–Dec;40(5–6):247–54 (Eng. Abstr.) **(Ita)**
[Meta–typical epitheliomas: an evolutionary hypothesis (letter)] Rotoli M, et al. **G Ital Dermatol Venereol** 1986 Sep–Oct;121(5):377–8 **(Ita)**
[Mediastinoscopy and 67Ga scintigraphy in the clinical staging of pulmonary cancer] Angeletti CA, et al. **Minerva Chir** 1987 Feb 15;42(3):163–8 (Eng. Abstr.) **(Ita)**
[Primary extra–lymph node localization of non–Hodgkin's lymphoma. Considerations on a clinical case] Petrella V, et al. **Minerva Med** 1987 Feb 28;78(4):219–21 (Eng. Abstr.) **(Ita)**
[Percutaneous needle aspiration biopsy in the diagnosis of pulmonary neoplasms] Piacenza G, et al. **Minerva Med** 1987 Aug 15;78(15):1163–6 (Eng. Abstr.) **(Ita)**
["So–called" sclerosing hemangioma of the lung] Schmid C, et al. **Pathologica** 1985 Sep–Oct;77(1051):495–501 (Eng. Abstr.) **(Ita)**
[Pulmonary endometriosis: presentation of a case and review of the literature] Taccagni GL, et al. **Pathologica** 1985 Sep–Oct;77(1051):539–48 (Eng. Abstr.) **(Ita)**
[Benign clear cell tumor of the lung—a study of immunohistochemistry] Nakamura T, et al. **Gan No Rinsho** 1986 Sep;32(11):1466–70 (Eng. Abstr.) **(Jpn)**
[Spindle cell squamous carcinoma of the lung—two case reports] Oh S, et al. **Gan No Rinsho** 1987 Mar;33(3):293–9 (Eng. Abstr.) **(Jpn)**

[An autopsy case of lung cancer in a young adult dwarf] Saijo S, et al. **Gan No Rinsho** 1986 Dec;32(15):1994–8 (Eng. Abstr.) **(Jpn)**

[Analysis of drug sensitivity by successive colony-forming assay] Azuma A, et al. **Gan To Kagaku Ryoho** 1987 Mar; 14(3 Pt 2):815–20 (Eng. Abstr.) **(Jpn)**

[Recent status of the diagnosis and treatment of bone metastasis in patients with advanced lung cancer] Eguchi K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1696–703 (Eng. Abstr.) **(Jpn)**

[Establishment of adriamycin-resistant human small-cell lung cancer cells in culture: analysis of the mechanism of resistance and cross-resistance] Kimura I, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):830–6 (Eng. Abstr.) **(Jpn)**

[The treatment of brain metastasis from lung cancer] Matsutani M, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 1):567–73 (Eng. Abstr.) **(Jpn)**

[Cytokinetic effects of anticancer drugs on a human lung cancer cell line using monoclonal antibody against bromodeoxyuridine] Miyamoto H, et al. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3541–5 **(Jpn)**

[Changes in the cell cycle and RNA content of cultured cancer cells treated with actinomycin D] Tagawa Y, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1332–7 (Eng. Abstr.) **(Jpn)**

[Synergistic effects of human recombinant TNF and hyperthermia on in vitro cytotoxicity and artificial metastases] Umeno H, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1286–91 (Eng. Abstr.) **(Jpn)**

[The relationship between morphological manifestations and cell kinetic changes of human lung cancer cells after exposure to chemotherapeutic agents] Ito M. **Hokkaido Igaku Zasshi** 1986 Sep;61(5):718–36 (Eng. Abstr.) **(Jpn)**

[Clinical pathology of lung cancer] Shimosato Y. **Hokkaido Igaku Zasshi** 1987 Jan;62(1):1–4 (13 ref.) **(Jpn)**

[Macroscopic analysis of mediastinal lymph node metastasis in lung cancer] Mitani N, et al. **Kyobu Geka** 1986 Nov; 39(11):869–73 (Eng. Abstr.) **(Jpn)**

[Synchronous multiple primary malignant tumors accompanied by glioblastoma. Case report] Ogasawara K, et al. **Neurol Med Chir (Tokyo)** 1986 Nov;26(11):908–12 (Eng. Abstr.) **(Jpn)**

[Cell kinetic studies of the effects of cis-diamminedichloro platinum (II) on lung cancer cell lines] Ito M, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Oct 20;21(9):2206–15 (Eng. Abstr.) **(Jpn)**

[Thickening of the posterior wall of the bronchus intermedius in patient with lung cancer] Furumoto N, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Jul 25; 46(7):865–72 (Eng. Abstr.) **(Jpn)**

[A case of tracheal metastasis of pulmonary cancer] Sakai T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Aug; 34(8):1178–81 (Eng. Abstr.) **(Jpn)**

[A case of giant cystic pulmonary hamartoma] Yamakawa Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Sep; 34(9):1720–4 (Eng. Abstr.) **(Jpn)**

[A case report of primary malignant fibrous histiocytoma of the lung with metastasis to the stomach] Yasuda Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Apr;35(4):504–9 (Eng. Abstr.) **(Jpn)**

[A case of diffuse pulmonary hamartoangiomyomatosis] Aoki S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Aug; 24(8):900–5 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of gallium-67 scintigraphy in comparison with autopsy findings in the elderly, with particular reference to histological findings and classification of pulmonary cancer] Shimohara Y, et al. **Radioisotopes** 1987 Apr;36(4):176–80 (Eng. Abstr.) **(Jpn)**

[A case of intravascular bronchiolo-alveolar tumor (IVBAT)] Papla B, et al. **Patol Pol** 1986 Jul-Sep; 37(3):259–65 (Eng. Abstr.) **(Pol)**

[Clinical implications of biological differentiation of small cell carcinoma of the lung] Roszkowski K. **Pneumonol Pol** 1986 Nov;54(11):481–4 **(Pol)**

[Peripheral lung cancer (data from the District Phthisiopulmonological Hospital in Szczecin-Zdunów)] Woyke S, et al. **Pneumonol Pol** 1986 Aug;54(8):353–7 (Eng. Abstr.) **(Pol)**

[Pseudotumor processes in children (according to material from the Filatov Children's Clinical Hospital)] Eremeeva AS. **Arkh Patol** 1986;48(11):58–62 (Eng. Abstr.) **(Rus)**

[Complex evaluation of the proliferative activity of tumor cells in different histological variants of lung cancer] Kazantaeva IA, et al. **Eksp Onkol** 1987;9(2):42–6 (Eng. Abstr.) **(Rus)**

[Effect of preparations from the vitreous body having anti-angiogenic properties on the metastatic spread of Lewis lung carcinoma] Sopotsinskaia EB, et al. **Eksp Onkol** 1987;9(2):55–7 (Eng. Abstr.) **(Rus)**

[Laser photodestruction of a bronchus-obstructing tumor in inoperable lung cancer] Dotsenko AP, et al. **Grudn Khir** 1987 Mar-Apr;(2):72–5 (Eng. Abstr.) **(Rus)**

[Case of combined cavernous hemangioma of the right lung with an intrapulmonary hematoma] Zyskin LIu, et al. **Grudn Khir** 1986 Nov-Dec;(6):89–90 **(Rus)**

[Endobronchial lipoma and cancer in one pulmonary lobe] Shafirovskiĭ BV, et al. **Khirurgiia (Mosk)** 1987 Apr; (4):128–9 **(Rus)**

[Cavernous hemangioma of the lung] Alekseenko AV, et al. **Klin Khir** 1987;(5):50 **(Rus)**

[Cortico-pleural cancer] Chuchalin AG, et al. **Klin Med (Mosk)** 1986 Nov;64(11):109–13 (Eng. Abstr.) **(Rus)**

[Morphometry of squamous cell cancer of the lung after radiation therapy combined with hyperglycemia] Furmanchuk AV, et al. **Med Radiol (Mosk)** 1987 Jun; 32(6):36–41 (Eng. Abstr.) **(Rus)**

[Carcinoembryonic antigen in bronchoalveolar lavage fluids in the diagnosis of lung cancer] Molodyk AA, et al. **Med Radiol (Mosk)** 1986 Nov;31(11):51–5 (Eng. Abstr.) **(Rus)**

[Metastatic heart lesion in a young man with a history of lung cancer] Shkhvatsabaia LV, et al. **Ter Arkh** 1987; 59(3):147–9 **(Rus)**

[Evaluation of the extent of central lung cancer based on x-ray, radiologic and endoscopic data] Shekhter AI, et al. **Vestn Rentgenol Radiol** 1987 Mar-Apr;(2):14–21 (Eng. Abstr.) **(Rus)**

[Histological types of lung cancer and environmental factors] Cherkasskiĭ VB. **Vopr Onkol** 1987;33(5):26–30 (Eng. Abstr.) **(Rus)**

[Effect of prior and co-existing lung diseases on the determination of the degree of spread of lung cancer] Nguyen KD, et al. **Vopr Onkol** 1986;32(11):101–4 (Eng. Abstr.) **(Rus)**

[Incidence of metastatic lesion of different groups of the intrathoracic lymph nodes in lung cancer (based on research data on surgical preparations)] Vagner RI, et al. **Vopr Onkol** 1987;33(2):27–33 (Eng. Abstr.) **(Rus)**

[Morphological characteristics of lung cancer] Dikshtein EA, et al. **Vrach Delo** 1986 Nov;(11):11–4 (Eng. Abstr.) **(Rus)**

[The value of cytologic typing of bronchial carcinoma] Petrović B, et al. **Plucne Bolesti** 1986 Jul-Dec; 38(3–4):259–62 (Eng. Abstr.) **(Scr)**

[Mucosa-associated lymphoid tissue lymphomas. Apropos of 3 cases] Molero X, et al. **Med Clin (Barc)** 1986 Nov 8; 87(15):635–7 (Eng. Abstr.) **(Spa)**

[Undifferentiated small cell carcinoma (oat cell). Review of 55 cases, including 4 extrapulmonary] Paz RA, et al. **Medicina (B Aires)** 1986;46(4):390–4 (Eng. Abstr.) **(Spa)**

[Benign pseudotumors of the lung. Presentation of 2 cases] Hueto Pérez de Heredia J, et al. **Rev Clin Esp** 1987 Mar; 180(4):203–5 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Estimation of the degradation of endocytosed material by flow cytofluorometry using two neoglycoproteins containing different numbers of fluorescein molecules. Midoux P, et al. **Biol Cell** 1986;58(3):221–5

Eicosanoids and metastasis: experimental aspects in Lewis lung carcinoma. Karmali RA, et al. **Cancer Biochem Biophys** 1986 Dec;9(1):97–104

Regional lung function in long-term survivors after chemotherapy for small cell lung cancer. Sørensen PG, et al. **Eur J Respir Dis** 1987 Jan;70(1):44–8

Differential killing of human carcinoma cells supplemented with n-3 and n-6 polyunsaturated fatty acids. Bégin ME, et al. **JNCI** 1986 Nov;77(5):1053–62

The hypercalcemia of malignancy [clinical conference] Mundy GR. **Kidney Int** 1987 Jan;31(1):142–55

Pulmonary endometriosis: treatment with danazol. Johnson WM 3d, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):506–7

A mechanism of new pain following cordotomy; reference of sensation. Nagaro T, et al. **Pain** 1987 Jul;30(1):89–91

[Holter ECG changes during induced hypertension chemotherapy] Okuma K, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1947–9 **(Jpn)**

[Analysis of bronchial mucosal hemodynamics by tissue spectrum analysis—difference between cases of inflammation and lung cancer] Abe S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 May; 24(5):498–502 (Eng. Abstr.) **(Jpn)**

[The lateral test in the complex evaluation of respiratory function in lung cancer patients] Shekhonina DA. **Anesteziol Reanimatol** 1987 Jan-Feb;(1):53–4 (Eng. Abstr.) **(Rus)**

[Induction of thermotolerance in clonogenic cells of Lewis lung carcinoma] Kolesnikova AI, et al. **Eksp Onkol** 1986; 8(4):66–7 (Eng. Abstr.) **(Rus)**

[Immunohormonal indicators in the prognosis of lung cancer] Vagner VP, et al. **Klin Med (Mosk)** 1986 Dec;64(12):55–8 (Eng. Abstr.) **(Rus)**

[Hemodynamics and external respiration in patients with concomitant cardiovascular diseases operated on for lung cancer] Gerasimenko VN, et al. **Sov Med** 1986;(8):8–13 (Eng. Abstr.) **(Rus)**

[Dependence of the cardiac pumping function on arterial resistance in lung cancer and in the stages of its surgical treatment] Lytkin MI, et al. **Vestn Khir** 1986 Oct; 137(10):3–7 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Diet and lung cancer. A review of the epidemiologic evidence in humans. Colditz GA, et al. **Arch Intern Med** 1987 Jan;147(1):157–60 (52 ref.)

The effect of arsenic on urethan-induced adenoma formation in Swiss mice. Blakley BR. **Can J Vet Res** 1987 Apr; 51(2):240–3

Inhibition of urethan-induced lung tumors in mice by dietary N-acetylcysteine. De Flora S, et al. **Cancer Lett** 1986 Sep; 32(3):235–41

The antimetastatic activity of enkephalin-like peptides. Scholar EM, et al. **Cancer Lett** 1987 May;35(2):133–8

Passive smoking and lung cancer. Armstrong BK. **Community Health Stud** 1987;11(1 Suppl):6s–8s

A workplace smoking cessation program. A strategy with potential for mass application. Digiusto E. **Community Health Stud** 1987;11(1 Suppl):45s–52s

The Commonwealth Department of Health Smoke-Free Workplace Policy. McKay BV, et al. **Community Health Stud** 1987;11(1 Suppl):3s–5s

Chemoprevention by antineoplaston A10 of benzo(a)pyrene-induced pulmonary neoplasia. Kampalath BN, et al. **Drugs Exp Clin Res** 1987;13 Suppl 1:51–5

Response of B-16 melanoma and Lewis lung carcinoma to BCG immunoprophylaxis. Papilian-Todoruțiu C, et al. **Morphol Embryol (Bucur)** 1987 Jan-Mar;33(1):55–69

Dietary vitamin A and lung cancer: results of a case-control study among chemical workers. Bond GG, et al. **Nutr Cancer** 1987;9(2–3):109–21

Metabolic, desmutagenic and anticarcinogenic effects of N-acetylcysteine. De Flora S, et al. **Respiration** 1986;50 Suppl 1:43–9

Control of asbestos-related disease in the RSA. Becklake MR. **S Afr Med J** 1987 Feb 21;71(4):208–10

Let's add chest x-ray to breast cancer screening [letter] Abrams RH. **Tex Med** 1987 Mar;83(3):10

Detection of early lung cancer: results of radiologic and cytologic screening in the Miyagi program. Nakada T, et al. **Tohoku J Exp Med** 1987 Jun;152(2):173–86

[Preventive bilateral pulmonary irradiation in renal neoplasms] Dal Bianco M, et al. **J Urol (Paris)** 1986; 92(8):545–7 (Eng. Abstr.) **(Fre)**

[Present state and prospectives in the diagnosis and therapy of lung neoplasms. 3. Efficacy of mass screening of lung cancer] Yasuda S. **Hokkaido Igaku Zasshi** 1987 Mar; 62(2):200–8 (10 ref.) **(Jpn)**

[Diagnosis and treatment of the early stages of lung cancer during mass screening] Perel'man MI, et al. **Khirurgiia (Mosk)** 1986 Oct;(10):74–7 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

The relationship of psychological distress, extent of disease, and performance status in patients with lung cancer. Cella DF, et al. **Cancer** 1987 Oct 1;60(7):1661–7

The social networks of terminally ill skid road residents: an analysis. McGrath BB. **Public Health Nurs** 1986 Sep; 3(3):192–205

Social support and coping with lung cancer. Saunders JM, et al. **West J Nurs Res** 1987 Feb;9(1):29–42

[Assessment of the quality of life of cancer patients. The preliminary applications to advanced bronchial cancers] Belpomme D, et al. **Bull Cancer (Paris)** 1986;73(5):627–33 (Eng. Abstr.) **(Fre)**

[Personality structure of nonsmokers with lung cancers and healthy nonsmokers measured by the Bahnson biographical questionnaire] Blohmke M, et al. **Psychother Psychosom Med Psychol** 1987 Mar-Apr; 37(3–4):121–5 (Eng. Abstr.) **(Ger)**

[The "blind alley" of nicotinism, cancerophobia and medical ethics] Schimmel J. **Wiad Lek** 1987 Mar 1;40(5):353–5 **(Pol)**

RADIOGRAPHY

Diagnosis of peripheral lung cancer by selective bronchography. Liu XF, et al. **Acta Acad Med Wuhan** 1985; 5(4):232–7

CT of interstitial lung disease: a diagnostic approach. Bergin CJ, et al. **AJR** 1987 Jan;148(1):9–15

Abdominal CT in the staging of small-cell carcinoma of the lung: incidence of metastases and effect on prognosis. Mirvis SE, et al. **AJR** 1987 May;148(5):845–7

Kaposi's sarcoma of the lung in AIDS: radiologic-pathologic analysis. Sivit CJ, et al. **AJR** 1987 Jan;148(1):25–8

Dystrophic calcification in carcinoma of the lung: demonstration by CT. Stewart JG, et al. **AJR** 1987 Jan; 148(1):29–30

Diagnostic imaging techniques in lung carcinoma. Batra P, et al. **Am J Surg** 1987 Jun;153(6):517–24

Thoracic computed tomography in the preoperative evaluation of primary bronchogenic carcinoma. Matthews JI, et al. **Arch Intern Med** 1987 Mar;147(3):449–53

X-rays and human error. Shannon L. **Aust Fam Physician** 1986 Nov;15(11):1455

Angiofollicular lymph node hyperplasia of the lung simulating carcinoma: pseudolymphoma with inflammatory changes. Joynt GH, et al. **Can J Surg** 1975 Nov; 18(6):536–41

Skeletal muscle metastases from lung cancer. Sridhar KS, et al. **Cancer** 1987 Apr 15;59(8):1538–44

Staging with CT [letter] Daly BD Jr, et al. **Chest** 1986 Dec; 90(6):926–7

Miliary pattern as presentation of leiomyomatosis of the lung. Lipton JH, et al. **Chest** 1987 May;91(5):781–2

Fibrocystic lung disease. An unusual cause. Orshan SG, et al. **Chest** 1987 Jan;91(1):113–4

Recurrent cavitary nodules secondary to Hodgkin's disease. Shahar J, et al. **Chest** 1987 Feb;91(2):273–4

Radiologically occult cancer of the peripheral region of the

lung. Bai YX, et al. **Chin Med J [Engl]** 1986 Oct; 99(10):785–6

Computed tomography of pulmonary endometriosis. Hertzanu Y, et al. **Comput Radiol** 1987 Mar–Apr;11(2):81–4

CT evaluation of the equivocal pulmonary nodule. Howe MA, et al. **Comput Radiol** 1987 Mar–Apr;11(2):61–7

Computed tomography of primary malignant fibrohistiocytoma of the lung. Ismailer I, et al. **Comput Radiol** 1987 Jan–Feb;11(1):37–40

Acute pancreatitis as presenting symptom and sole manifestation of small cell lung carcinoma. Noseda A, et al. **Dig Dis Sci** 1987 Mar;32(3):327–31

Diagnostic approach to pulmonary lymphangioleiomyomatosis. Case report. Bertolani M, et al. **Eur J Radiol** 1987 Feb;7(1):60–2

Reconsideration of conventional tomography versus computerized tomography in the evaluation of lung metastases. Blickman JG, et al. **Eur J Radiol** 1986 Nov; 6(4):259–61

The role of thoracic CT in the staging of lung carcinoma. Buckner CB, et al. **J Arkansas Med Soc** 1987 Feb; 83(9):343–6

Differentiation of radiation–induced fibrosis from recurrent pulmonary neoplasm by CT. Bourgouin P, et al. **J Can Assoc Radiol** 1987 Mar;38(1):23–6

Inflammatory pseudotumors of the lung: importance of recognition and differentiation from neoplastic and granulomatous processes. Shin MS, et al. **J Natl Med Assoc** 1987 Jan;79(1):42–8

Plain radiography and computed tomography in the staging of bronchogenic carcinoma: a practical approach. Webb WR. **J Thorac Imaging** 1987 Jan;2(1):57–65 (38 ref.)

Disappearing lung lesion [letter] Eckhart PW. **Med J Aust** 1983 Feb 5;1(3):104

The value of computed tomography to the staging of non–small–cell primary bronchogenic carcinoma: a prospective study. Wouters EF, et al. **Neth J Surg** 1986 Dec;38(6):167–70

Single exposure energy subtraction chest radiography in the diagnosis of pulmonary cancer. Takashima T. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Mar 25; 47(3):455–64

Intrathoracic Kaposi sarcoma in AIDS patients: radiographic–pathologic correlation. Davis SD, et al. **Radiology** 1987 May;163(2):495–500

Value of CT in the preoperative assessment of lung cancer: a survey of thoracic surgeons. Epstein DM, et al. **Radiology** 1986 Nov;161(2):423–7

Pulmonary hamartoma: CT findings [letter] Rubinstein I, et al. **Radiology** 1987 Mar;162(3):878

Primary pulmonary Hodgkin's disease with air bronchogram. Pik A, et al. **Respiration** 1986;50(3):226–9

Primary leiomyosarcoma of the lung presenting with a persistent pneumothorax. Capewell S, et al. **Thorax** 1986 Aug;41(8):649–50

[Roentgenodiagnosis of primary lung carcinoma with cavity—analysis of 100 cases] Ji WK. **Chung Hua Chung Liu Tsa Chih** 1986 Mar;8(2):122–4 (Eng. Abstr.) **(Chi)**

[Radiologic manifestations and pathologic basis of the histologic subtypes of small cell carcinoma of the lung—a radiologic–pathologic correlative study of 70 cases] Shuai B. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Aug; 20(4):218–22 (Eng. Abstr.) **(Chi)**

[The analysis of the doubling time for 115 cases of primary peripheral carcinoma of lung] Wei DZ. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Oct; 20(5):267–71 (Eng. Abstr.) **(Chi)**

[Early radiological signs and their evolution in peripheral pulmonary carcinoma] Zhu DQ. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Oct;20(5):272–5 (Eng. Abstr.) **(Chi)**

[Value of computed tomography in the diagnosis of the intrathoracic extension of bronchial cancer] Aguilaniu B, et al. **Rev Mal Respir** 1986;3(5):247–51 (Eng. Abstr.) **(Fre)**

[Use of CT in the staging and follow–up of small–cell bronchial cancer] Kriedemann E, et al. **Arch Geschwulstforsch** 1986;56(6):435–44 (Eng. Abstr.) **(Ger)**

[Embolic and hematogenous metastasis of a bronchial carcinoma in the myocardium] Grbac I, et al. **Prax Klin Pneumol** 1986 Sep;40(9):385–8 (Eng. Abstr.) **(Ger)**

[Bronchioalveolar carcinoma] Dock W, et al. **ROFO** 1986 Nov;145(5):510–4 (Eng. Abstr.) **(Ger)**

[Hilar lymphoma as the 1st radiological manifestation of hypernephroma metastases. A case report] Theobaldy S, et al. **ROFO** 1987 Jul;147(1):103–4 **(Ger)**

[Roentgenologic diagnosis and differential diagnosis of carcinomatous lymphangiosis of the lungs] Triebel HJ, et al. **Rontgenblatter** 1987 Feb;40(2):57–63 (Eng. Abstr.) **(Ger)**

[Cavernous bronchus carcinoma] Schamaun M, et al. **Schweiz Med Wochenschr** 1986 Sep 13;116(37):1249–52 (Eng. Abstr.) **(Ger)**

[Value of computerized tomography in the evaluation of the operability of bronchial cancers] Waclawiczek HW, et al. **Zentralbl Chir** 1986;111(14):837–43 (Eng. Abstr.) **(Ger)**

[Preoperative computerized lung scintigraphy in the evaluation of postoperative lung function] Zoltán I, et al. **Orv Hetil** 1986 Oct 12;127(41):2513–5 (Eng. Abstr.) **(Hun)**

[Possibilities and limitations of computerized axial tomography in the preoperative staging of bronchogenic neoplasms] Azzena GF, et al. **Minerva Chir** 1986 Jul 31; 41(13–14):1145–9 (Eng. Abstr.) **(Ita)**

[Present state and prospectives in the diagnosis and therapy of lung neoplasms. 4. Application of computer image processing for the diagnosis of hilar neoplasms of the lung] Mori M. **Hokkaido Igaku Zasshi** 1987 Mar;62(2):208–11 (6 ref.) **(Jpn)**

[Present state and prospectives in the diagnosis and therapy of lung neoplasms. 2. Diagnosis of hilar adenocarcinoma of the lung—with special reference to radiographic diagnosis] Tsunematsu K. **Hokkaido Igaku Zasshi** 1987 Mar;62(2):197–200 **(Jpn)**

[A case study of primary pulmonary hemangiopericytoma] Koh Y, et al. **Kyobu Geka** 1986 Aug;39(8):645–8 (Eng. Abstr.) **(Jpn)**

[Reappraisal of computed tomography of pulmonary nodules] Nakata H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Aug 25;46(8):1012–6 (Eng. Abstr.) **(Jpn)**

[Computed tomographic diagnosis of pulmonary nodules] Onoue M. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Sep 25;46(9):1094–111 (Eng. Abstr.) **(Jpn)**

[New development in the diagnosis of pulmonary cancer—with X–CT and computed radiography] Takashima T. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Mar 25;47(3):445–54 (Eng. Abstr.) **(Jpn)**

[Roentgenological and pathological analysis of six cases of primary small lymphoid tumors of the lungs] Kawabata Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Dec; 24(12):1325–33 (Eng. Abstr.) **(Jpn)**

[A resected case of pulmonary dirofilariasis detected on the x–ray as a coin lesion] Namikawa S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Aug; 24(8):914–7 (Eng. Abstr.) **(Jpn)**

[A case of lung cancer presenting as multiple cystic shadows] Akagawa S, et al. **Rinsho Hoshasen** 1986 Jul;31(7):845–7 (Eng. Abstr.) **(Jpn)**

[Thoracic CT: resectability of lung neoplasms and CT] Matsumoto M, et al. **Rinsho Hoshasen** 1986 Oct; 31(11):1301–17 (36 ref.) **(Jpn)**

[Thoracic CT: diagnosis of lung tumors] Miura K, et al. **Rinsho Hoshasen** 1986 Oct;31(11):1275–84 (31 ref.) **(Jpn)**

[Thoracic CT: diagnosis of atelectasis and local infiltration] Shibayama M. **Rinsho Hoshasen** 1986 Oct;31(11):1259–74 (17 ref.) **(Jpn)**

[Thoracic CT: diagnosis of lymphatic metastasis of lung neoplasms] Suzuki M, et al. **Rinsho Hoshasen** 1986 Oct; 31(11):1285–99 **(Jpn)**

[Case of the month. Malignant lymphoma originating in the lung] Tada S. **Rinsho Hoshasen** 1987 Apr;32(4):521–2 **(Jpn)**

[Imaging of local recurrence of lung cancer after radiation therapy] Yoshida S, et al. **Rinsho Hoshasen** 1987 Jan; 32(1):51–7 (Eng. Abstr.) **(Jpn)**

[Mediastinal lymph nodes in the computerized tomography picture of lung cancer] Brzecka A, et al. **Pneumonol Pol** 1986 Nov;54(11):497–503 (Eng. Abstr.) **(Pol)**

[Possibilities of detecting metastases to mediastinal lymph nodes in lung cancer] Feofilov GL, et al. **Grudn Khir** 1987 Mar–Apr;(2):65–9 (Eng. Abstr.) **(Rus)**

[Role of the Pneumology Commission in detecting central cancer and other lung diseases] Portnoĭ LM, et al. **Sov Zdravookhr** 1986;(12):12–6 (Eng. Abstr.) **(Rus)**

[The symptom of "protrusion" in lung cancer] Ivannikov ID. **Vestn Khir** 1987 Mar;138(3):67–9 **(Rus)**

[Difficulties and errors in the x–ray diagnosis of lung cancer] Al'tshuler IuB, et al. **Vestn Rentgenol Radiol** 1987 Mar–Apr;(2):21–7 (Eng. Abstr.) **(Rus)**

[X–ray diagnosis of decomposing peripheral lung cancer] Al'tshuler IuB, et al. **Vestn Rentgenol Radiol** 1986 Jul–Aug; (4):48–54 (Eng. Abstr.) **(Rus)**

[X–ray diagnosis of respiration disorders in patients with localized pulmonary manifestations of Hodgkin's disease] Amosov IS, et al. **Vestn Rentgenol Radiol** 1987 Mar–Apr; (2):66–9 (Eng. Abstr.) **(Rus)**

[Morphological x–ray signs of lung cancer depending on the rate of growth of the tumor] Diusembaev ZE, et al. **Vestn Rentgenol Radiol** 1986 Jul–Aug;(4):59–64 (Eng. Abstr.) **(Rus)**

[Computed tomography in lung cancer] Lepikhin NM, et al. **Vestn Rentgenol Radiol** 1987 Mar–Apr;(2):27–35 (Eng. Abstr.) **(Rus)**

[X–ray diagnosis of lung carcinoids] Rybakova NI, et al. **Vestn Rentgenol Radiol** 1987 Mar–Apr;(2):35–42 (Eng. Abstr.) **(Rus)**

[Pneumonia–like form of bronchioalveolar lung cancer] Vinner MG, et al. **Vestn Rentgenol Radiol** 1986 Jul–Aug; (4):43–8 (Eng. Abstr.) **(Rus)**

[X–ray diagnosis of decomposing lung cancer] Volodina GI, et al. **Vestn Rentgenol Radiol** 1986 Jul–Aug;(4):55–9 (Eng. Abstr.) **(Rus)**

[Bilateral central bronchial cancer (2 case reports)] Belen'kiĭ MS. **Vopr Onkol** 1986;32(10):86–7 **(Rus)**

[Radiological study of carcinoma of the lung in stage III] Bascuas S, et al. **Rev Esp Oncol** 1985;32(2):343–8 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

Localisation of lung cancer by a radiolabelled monoclonal antibody against the c–myc oncogene product. Chan SY, et al. **Br J Cancer** 1986 Nov;54(5):761–9

Bone scintigraphy in lung cancer: a reappraisal. Merrick MV, et al. **Br J Radiol** 1986 Dec;59(708):1185–94

The diagnosis of skull base metastases by radionuclide bone scan. Brillman J, et al. **Cancer** 1987 Jun 1;59(11):1887–91

Immunolymphoscintigraphy of pulmonary and mediastinal lymph nodes in dogs: a new approach to lung cancer imaging. Mulshine JL, et al. **Cancer Res** 1987 Jul 1; 47(13):3572–6

Demonstration of pulmonary mass defect by iodine–123 N,N,N'trimethyl–N'[2–hydroxy–3–methyl–5–iodobenzyl]–1,3–propanediamine lung imaging. Shih WJ, et al. **Clin Nucl Med** 1986 Sep;11(9):632–3

Tumor imaging with carbon–11 labeled alpha–aminoisobutyric acid (AIB) in a patient with advanced malignant melanoma. Conti PS, et al. **Eur J Nucl Med** 1986;12(7):353–6

Nuclear medicine techniques in the management of bronchogenic carcinoma. Konietzko N. **Eur J Nucl Med** 1987;13 Suppl:S16–9

Assessment of SPECT ventilation–perfusion imaging in patients with lung cancer. Narabayashi I, et al. **Eur J Nucl Med** 1986;12(7):329–32

Better visualization of a lung tumour with 99mTc–DPD than with 99mTc–glucoheptonate or 67Ga–citrate. Vorne M, et al. **Eur J Nucl Med** 1986;12(5–6):296–8

Labeling and comparative biodistribution of the monoclonal antibody KS1/4 in nude mice bearing human lung adenocarcinoma. Shani J, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):379–82

Drug–induced perturbations in the in vivo distribution of oncological radiotracers—I. 5–Fluoro–6–3H–2'–deoxyuridine influenced by nitrobenzylthioinosine 5'–phosphate (NBMPR–P). Wiebe LI, et al. **Int J Rad Appl Instrum [B]** 1986;13(3):257–9

Unilateral thoracic soft–tissue accumulation of bone agent in lung cancer. Levy HA, et al. **J Nucl Med** 1987 Aug; 28(8):1275–8

Iodine–131 MIBG uptake in a small cell carcinoma of the lung [letter] Nakajo M, et al. **J Nucl Med** 1986 Nov; 27(11):1785–6

Failure of iodine–131 MIBG imaging in small cell lung carcinoma [letter] Vincent MD, et al. **J Nucl Med** 1987 Jul;28(7):1230

Comparison of gallium–67 citrate and technetium–99m glucoheptonate in the evaluation of pulmonary malignancies. Vorne M, et al. **J Nucl Med** 1987 Apr; 28(4):442–6

New applications of radionuclide studies in thoracic imaging. Alderson PO. **J Thorac Imaging** 1986 Mar;1(2):104–8

Radioimmunoimaging of human small cell lung carcinoma xenografts in nude mice receiving several monoclonal antibodies. Stya M, et al. **NCI Monogr** 1987;(3):19–23

Thoracic imaging with technetium–99m–glucoheptonate in the diagnosis and assessment of patients with suspected bronchial carcinoma. Apps MC, et al. **Nucl Med Commun** 1987 Mar;8(3):149–56

Technetium–99m–glucoheptonate lung imaging; has it a role in the diagnosis of bronchial carcinoma? Langford JA, et al. **Nucl Med Commun** 1986 Dec;7(12):907–14

131I and 111In–labelled monoclonal antibody imaging of primary lung carcinoma. Perkins AC, et al. **Nucl Med Commun** 1986 Oct;7(10):729–39

Mediastinal imaging in lung cancer. Milroy R, et al. **Q J Med** 1986 Jul;60(231):715–23

Disappearance of Tc–99m HMDP tumor uptake in oat cell carcinoma after irradiation and chemotherapy. Shih WJ, et al. **Radiat Med** 1986 Oct–Dec;4(4):107–9

Human lung tumors: SPECT quantitation of differences in Co–57 bleomycin uptake. Front D, et al. **Radiology** 1987 Oct;165(1):129–33

The role of nuclear medicine in pulmonary neoplastic processes. Waxman AD. **Semin Nucl Med** 1986 Oct; 16(4):285–95 (52 ref.)

Use of radionuclide scanning in the preoperative estimation of pulmonary function after pneumonectomy. Corris PA, et al. **Thorax** 1987 Apr;42(4):285–91

N–isopropyl–p[123I]iodoamphetamine, a new agent for lung imaging studies. Van Zandwijk N, et al. **Thorax** 1986 Oct; 41(10):801–3

[133 Xe scintigraphy in the preoperative evaluation of lung cancer] Nicoli MM, et al. **Ann Chir** 1986 Nov;40(8):593–7 (Eng. Abstr.) **(Fre)**

[201Tl to 67Ga crude uptake ratio as a prognostic indicator in primary lung cancer] Togawa T, et al. **Kaku Igaku** 1986 Jun;23(6):811–8 (Eng. Abstr.) **(Jpn)**

[Positron emission tomography of lung cancer using 18F–2–fluoro–2–deoxy–D–glucose and L–[11C–methyl]–methionine] Matsuzawa T, et al. **Kokyu To Junkan** 1987 Jan;35(1):15–20 **(Jpn)**

[Gallium–67 citrate scanning in the differential diagnosis of radiation–induced pulmonary fibrosis and specific lung lesions in patients with lymphogranulomatosis] Miasnikov AA, et al. **Ter Arkh** 1987;59(6):35–7 **(Rus)**

[Scintigraphy with gallium 67 in the diagnosis of cancer of the lung] Zunino S, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1985;43(2):22–5 (Eng. Abstr.) **(Spa)**

RADIOTHERAPY

Should patients with inoperable localized brochogenic carcinoma receive aggressive radiotherapy? Stokes SH, et

al. **Ala Med** 1987 Jul;57(1):30-2
Prophylactic cranial irradiation in adenocarcinoma of the lung. A possible role. Jacobs RH, et al. **Cancer** 1987 Jun 15;59(12):2016-9
Long-term observations of the patterns of failure in patients with unresectable non-oat cell carcinoma of the lung treated with definitive radiotherapy. Report by the Radiation Therapy Oncology Group. Perez CA, et al. **Cancer** 1987 Jun 1;59(11):1874-81
Evaluation of a tetrazolium-based semiautomated colorimetric assay: assessment of radiosensitivity. Carmichael J, et al. **Cancer Res** 1987 Feb 15;47(4):943-6
Concurrent cisplatin and etoposide with radiotherapy in locally advanced non-small cell lung cancer. Friess GG, et al. **Cancer Treat Rep** 1987 Jul-Aug;71(7-8):681-4
Palliation of bronchogenic carcinoma with 198Au implantation using the fiberoptic bronchoscope. Rabie T, et al. **Chest** 1986 Nov;90(5):641-5
A cuffed tube for the treatment of oesophago-bronchial fistulae. Lux G, et al. **Endoscopy** 1987 Jan;19(1):28-30
Prospective evaluation of a watch policy in patients with inoperable non-small cell lung cancer. Carroll M, et al. **Eur J Cancer Clin Oncol** 1986 Nov;22(11):1353-6
Growth kinetics and in vivo radiosensitivity in nude mice of two subpopulations derived from a single human small cell carcinoma of the lung. Spang-Thomsen M, et al. **Eur J Cancer Clin Oncol** 1986 May;22(5):549-56
Treatment planning of radiotherapy for lung cancer. Gerbi BJ, et al. **Front Radiat Ther Oncol** 1987;21:152-80
Plans for clinical evaluation of dynamic, computer-controlled radiation therapy at the Joint Center for Radiation Therapy. Saunders WM. **Front Radiat Ther Oncol** 1987;21:56-67
Split-dose and low dose-rate recovery in four experimental tumour systems. Stephens TC, et al. **Int J Radiat Biol** 1987 Jul;52(1):157-70
Accelerated radiotherapy followed by chemotherapy for locally recurrent small-cell carcinoma of the lung. A phase II study of Cancer and Leukemia Group B. Choi NC, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb;13(2):263-6
Is adenocarcinoma/large cell carcinoma the most radiocurable type of cancer of the lung? Cox JD, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1801-5
Hemoglobin, radiation, morbidity and survival. Dische S, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1335-7
Timing of elective brain irradiation: a critical factor for brain metastasis-free survival in small cell lung cancer. Lee JS, et al. **Int J Radiat Oncol Biol Phys** 1987 May;13(5):697-704
Sequential hemibody irradiation integrated into a chemotherapy-local radiotherapy program for limited disease small cell lung cancer. Powell BL, et al. **Int J Radiat Oncol Biol Phys** 1986 Nov;12(11):1951-6
Large fraction irradiation with or without misonidazole in advanced non-oat cell carcinoma of the lung: a phase III randomized trial of the RTOG. Radiation Therapy Oncology Group. Simpson JR, et al. **Int J Radiat Oncol Biol Phys** 1987 Jun;13(6):861-7
Effects of dose and scheduling on growth delay of the Lewis lung carcinoma produced by the perfluorochemical emulsion, Fluosol-DA. Teicher BA, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1311-3
Role of radiation therapy in small cell lung cancer: a bio-clinico-pathological review and perspective. Vijayakumar S, et al. **J Natl Med Assoc** 1987 May; 79(5):496-504 (61 ref.)
Use of brachytherapy in lung cancer. Reed CE, et al. **J SC Med Assoc** 1986 Sep;82(9):589-91
Comparison of survival of patients with lung cancer between elderly (greater than or equal to 70) and younger (70 greater than) age groups. Kusumoto S, et al. **Jpn J Clin Oncol** 1986 Dec;16(4):319-23
Validity of lung correction algorithms. Tang WL, et al. **Med Phys** 1986 Sep-Oct;13(5):683-6
Postoperative mediastinal radiation for cancer of the lung [letter] **N Engl J Med** 1987 Jun 4;316(23):1475-7
Effects of postoperative mediastinal radiation on completely resected stage II and stage III epidermoid cancer of the lung. The Lung Cancer Study Group. **N Engl J Med** 1986 Nov 27;315(22):1377-81
Chemotherapy with or without radiation therapy in limited small-cell carcinoma of the lung. Perry MC, et al. **N Engl J Med** 1987 Apr 9;316(15):912-8
The effect of a normal tissue radioprotector Adeturone on the radiation sensitivity of Lewis lung carcinoma: an enhanced response. Mircheva J, et al. **Neoplasma** 1986; 33(5):595-601
Postoperative radiation therapy in the management of lung cancer. Emami B, et al. **Radiology** 1987 Jul;164(1):251-3
Lung tumors: percutaneous implantation of I-125 sources with CT treatment planning. Heelan RT, et al. **Radiology** 1987 Sep;164(3):735-40
The acute in vitro and in vivo radiosensitivity of human lung tumour lines. Duchesne GM, et al. **Radiother Oncol** 1986 Dec;7(4):353-61
Quality of life of inoperable non-small cell lung carcinoma. A randomized phase II clinical study comparing radiotherapy alone and combined radio-chemotherapy. Minet P, et al. **Radiother Oncol** 1987 Mar;8(3):217-30
The value of treatment portal films in radiotherapy for bronchial carcinoma. Rodrigus P, et al. **Radiother Oncol** 1987 May;9(1):27-31
Radical radiation therapy in inoperable non oat-cell carcinoma of the lung with particular emphasis on roentgenographic tumor response as prognostic factor. De Renzis C, et al. **Rays** 1985 Jan-Apr;10(1):121-6
Exclusive use of radiation therapy in the treatment of non-small cell lung carcinoma. Evaluation of a series of 93 patients. Malinverni G, et al. **Rays** 1985 Sep-Dec; 10(3):119-26
Misonidazole combined with radiotherapy in the treatment of non-small cell lung cancer. A randomized double-blind trial. Jakobsson M, et al. **Strahlenther Onkol** 1987 Feb; 163(2):90-3
The role of external radiation and brachytherapy in unresectable non-small cell lung cancer. Hilaris BS, et al. **Surg Clin North Am** 1987 Oct;67(5):1061-71
Intraluminal irradiation in bronchogenic carcinoma. Nori D, et al. **Surg Clin North Am** 1987 Oct;67(5):1093-102
Massive haemoptysis as a late consequence of pulmonary irradiation. Isaacs RD, et al. **Thorax** 1987 Jan;42(1):77-8
[Preoperative radiotherapy and ultrastructural pathology of lung cancer] Li YT. **Chung Hua Chung Liu Tsa Chih** 1986 Mar;8(2):125-7 (Eng. Abstr.) **(Chi)**
[Is there an age limit in radiation treatment of bronchial cancer?] Bünemann H, et al. **Onkologie** 1986 Dec; 9(6):295-302 (Eng. Abstr.) **(Ger)**
[Have we exhausted the reserves in radiotherapy of small cell carcinoma of the lung?] Kiseleva ES, et al. **Radiobiol Radiother (Berl)** 1986;27(6):701-7 (Eng. Abstr.) **(Ger)**
[Metronidazole in radiotherapy of squamous cell carcinoma of the lung] Zolkiver KI, et al. **Radiobiol Radiother (Berl)** 1986;27(6):691-9 (Eng. Abstr.) **(Ger)**
[DSA of the pulmonary vessels during endobronchial laser- and afterloading therapy of malignant bronchial stenoses] Kahn T, et al. **ROFO** 1986 Sep;145(3):339-43 (Eng. Abstr.) **(Ger)**
[Hyperfractionated irradiation of bronchial cancer. Results of a pilot study] Berberich W, et al. **Strahlenther Onkol** 1987 Feb;163(2):74-8 (Eng. Abstr.) **(Ger)**
[Repair mechanisms of the lung--experimental and clinical results] Herrmann T, et al. **Strahlenther Onkol** 1987 Jun; 163(6):370-7 (Eng. Abstr.) **(Ger)**
[Combination radiochemotherapy in the limited-disease stage of small-cell bronchial carcinoma. Results following high-dosage radiotherapy] Hörmann M, et al. **Strahlenther Onkol** 1987 May;163(5):292-6 (Eng. Abstr.) **(Ger)**
[Current clinical aspects of changes in the lung parenchyma caused by the interaction of polychemotherapy and radiotherapy in the treatment of small cell bronchial cancer] Gärtner C, et al. **Z Gesamte Inn Med** 1987 Jan 1;42(1):23-7 (Eng. Abstr.) **(Ger)**
[Radiotherapy of inoperable, loco-regional epidermoid carcinoma of the lung. 5-year experience] Morera E, et al. **Radiol Med (Torino)** 1986 Sep;72(9):664-6 (Eng. Abstr.) **(Ita)**
[Combined radiotherapy and resection in carcinoma of the lung] Amino S, et al. **Gan No Rinsho** 1986 Oct; 32(13):1743-51 (Eng. Abstr.) **(Jpn)**
[The use of CT in the treatment of lung cancer with radiation therapy] Fuwa N, et al. **Gan No Rinsho** 1987 Apr; 33(4):369-73 (Eng. Abstr.) **(Jpn)**
[Radiotherapy of lung cancer] Sunakura M. **Gan No Rinsho** 1987 Mar;Spec No:351-80 **(Jpn)**
[Postoperative neutron irradiation in patients with primary lung cancer] Masuda H, et al. **Nippon Gan Chiryo Gakkai Shi** 1987 Feb 20;22(1):10-6 (Eng. Abstr.) **(Jpn)**
[The prognosis after radiotherapy in carcinoma of the lung based on the extent of mediastinal lymph node involvement] Nakajima N, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Sep 25; 46(9):1125-9 (Eng. Abstr.) **(Jpn)**
[The role of radiation therapy in the treatment of small cell carcinoma of the lung--with a special reference to the optimal combination timing within chemotherapy and total radiation doses] Okazaki A, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Mar 25; 47(3):479-87 (Eng. Abstr.) **(Jpn)**
[Relationship of bone marrow dose to eosinophilia following radiotherapy: a study of patients with breast, lung, cervical, and ovarian cancer] Murohashi I, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Nov;49(7):1368-76 (Eng. Abstr.) **(Jpn)**
[Treatment results in lung cancer using radiotherapy] Niwa K, et al. **Rinsho Hoshasen** 1987 Jan;32(1):59-63 (Eng. Abstr.) **(Jpn)**
[Phagocytic activity of granulocytes and bactericidal properties of plasma during radiotherapy of lung cancer] Wysocka J, et al. **Nowotwory** 1986 Apr-Jun;36(2):89-97 (Eng. Abstr.) **(Pol)**
[Clonal analysis as a method of prognostication of tumor response to irradiation] Ismailov BI. **Med Radiol (Mosk)** 1986 Dec;31(12):41-7 **(Rus)**
[Dose multifractionation in radiotherapy of lung cancer of different histological types] Leskov VP, et al. **Med Radiol (Mosk)** 1987 Jul;32(7):30-3 (Eng. Abstr.) **(Rus)**

REHABILITATION

[Respiratory care for pulmonary resection in geriatric patients with bronchogenic carcinoma] Kikuchi K, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(11):3114-8 (Eng. Abstr.) **(Jpn)**

SECONDARY

Fine needle aspiration cytology of prostatic adenocarcinoma metastatic to the lung confirmed by the immunoperoxidase technique. Bartziota EV. **Acta Cytol (Baltimore)** 1986 Sep-Oct;30(5):497-500
Fine needle aspiration cytology of sarcomas metastatic to the lung. Kim K, et al. **Acta Cytol (Baltimore)** 1986 Nov-Dec;30(6):688-94
Bronchoscopic cytology of metastatic breast carcinoma with osteoclastlike giant cells. Ludwig RA, et al. **Acta Cytol (Baltimore)** 1987 May-Jun;31(3):365-8
Fine needle aspiration cytology of metastatic dermatofibrosarcoma protuberans. A case report. Perry MD, et al. **Acta Cytol (Baltimore)** 1986 Sep-Oct; 30(5):507-12
Intrathoracic manifestations of metastatic testicular seminoma: a comparison of chest radiographic and CT findings. Williams MP, et al. **AJR** 1987 Sep;149(3):473-5
Fulminant metastasizing chondroid syringoma of the skin. Shvili D, et al. **Am J Dermatopathol** 1986 Aug;8(4):321-5
Radioimmunoscintigraphic detection of occult gestational choriocarcinoma. Wahl RL, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):108-11
Electrocautery in pulmonary resection [letter] Vincent JG. **Ann Thorac Surg** 1987 Jan;43(1):122
Benign metastasizing leiomyoma. Winkler TR, et al. **Ann Thorac Surg** 1987 Jan;43(1):100-1
Resection of recurrent pulmonary metastases in patients with soft-tissue sarcomas. Rizzoni WE, et al. **Arch Surg** 1986 Nov;121(11):1248-52
Altered expression of glycosaminoglycans in metastatic 13762NF rat mamma adenocarcinoma cells. Steck PA, et al. **Biochemistry** 1987 Feb 24;26(4):1020-8
The effect of localized porphyrin photodynamic therapy on the induction of tumour metastasis. Gomer CJ, et al. **Br J Cancer** 1987 Jul;56(1):27-32
Combined effect of buthionine sulfoximine and cyclophosphamide upon murine tumours and bone marrow. Ono K, et al. **Br J Cancer** 1986 Nov;54(5):749-54
Effects of altering surface glycoprotein composition on metastatic colonisation potential of murine mammary tumour cells. Sargent NS, et al. **Br J Cancer** 1987 Jan; 55(1):21-8
The effects of N-methylformamide on artificial and spontaneous metastases from a murine hepatocarcinoma. Tofilon PJ, et al. **Br J Cancer** 1987 Mar;55(3):239-43
Metastatic germ cell tumour associated with XY gonadal dysgenesis: successful chemotherapy. Case report. Adewole IF, et al. **Br J Obstet Gynaecol** 1987 Jun; 94(6):589-91
Spontaneous regression of pulmonary metastases from renal adenocarcinoma before nephrectomy. Chapple CR, et al. **Br J Surg** 1987 Jan;74(1):69-70
Spontaneous regression of metastatic renal carcinoma [editorial] Kirk D. **Br J Surg** 1987 Jan;74(1):1-2
Excision of solitary lung metastases from two patients with breast cancer. Vincent MD, et al. **Br J Surg** 1987 Mar; 74(3):194
Prolonged survival following emergency pulmonary tumour embolectomy and subsequent nephrectomy. Markham NI, et al. **Br J Urol** 1987 May;59(5):484-5
Clinicopathologic features and prognosis for Wilms' tumor patients with metastases at diagnosis. Breslow NE, et al. **Cancer** 1986 Dec 1;58(11):2501-11
Metastatic interstitial pneumonitis after autologous bone marrow transplantation. A consequence of reinjection of malignant cells? Glorieux P, et al. **Cancer** 1986 Nov 1; 58(9):2136-9
Metastatic hemangiopericytoma with prolonged survival. Hart LL, et al. **Cancer** 1987 Aug 15;60(4):916-20
Growth rate analysis of lung metastases from histologically benign giant cell tumor of bone. Katz E, et al. **Cancer** 1987 May 15;59(10):1831-6
Thoracotomy for pulmonary metastatic osteosarcoma. An analysis of prognostic indicators of survival. Meyer WH, et al. **Cancer** 1987 Jan 15;59(2):374-9
Nasally administered buserelin inducing complete remission of lung metastases in male breast cancer. Vorobiof DA, et al. **Cancer** 1987 Feb 15;59(4):688-9
Recruitment of exogenous macrophages into metastases at different stages of tumor growth. Bugelski PJ, et al. **Cancer Immunol Immunother** 1987;24(2):93-8
Evidence that intravenously derived murine pulmonary melanoma metastases can originate from the expansion of a single tumor cell. Fidler IJ, et al. **Cancer Res** 1986 Oct; 46(10):5167-71
Suppression of B16 melanoma lung colonization by syngeneic monoclonal antibodies. Herd ZL. **Cancer Res** 1987 May 15;47(10):2696-703
Effect of human tumor cells on platelet aggregation: potential relevance to pattern of metastasis. Mehta P, et al. **Cancer Res** 1987 Jun 15;47(12):3115-7
Implications of endogenous tumor cell surface lectins as mediators of cellular interactions and lung colonization. Meromsky L, et al. **Cancer Res** 1986 Oct;46(10):5270-5
Antitumor efficacy of lymphokine-activated killer cells and recombinant interleukin 2 in vivo: successful immunotherapy of established pulmonary metastases from weakly immunogenic and nonimmunogenic murine tumors

of three district histological types. Papa MZ, et al. **Cancer Res** 1986 Oct;46(10):4973–8

Treatment of experimental lung metastasis with local thoracic irradiation followed by systemic macrophage activation with liposomes containing muramyl tripeptide. Saiki I, et al. **Cancer Res** 1986 Oct;46(10):4966–70

Thrombospondin, a potentiator of tumor cell metastasis. Tuszynski GP, et al. **Cancer Res** 1987 Aug 1;47(15):4130–3

Spontaneous bilateral pneumothorax due to metastatic cervical carcinoma [letter] Lane S, et al. **Chest** 1987 Jan; 91(1):151–2

Recurrence of immature ovarian teratoma in liver and lung. Lian LJ, et al. **Chin Med J [Engl]** 1986 Jul;99(7):551–4

Experience in surgical management of drug-resistant pulmonary metastatic choriocarcinoma. Sun CF, et al. **Chin Med J [Engl]** 1986 Oct;99(10):779–81

Enhanced experimental metastatic capacity of a murine melanoma following pre-treatment with anticancer drugs. McMillan TJ, et al. **Clin Exp Metastasis** 1986 Oct–Dec; 4(4):285–92

Malignant melanoma cell lines selected in vitro for increased homotypic adhesion properties have increased experimental metastatic potential. Updyke TV, et al. **Clin Exp Metastasis** 1986 Oct–Dec;4(4):273–84

In vitro modulation of the metastatic phenotype. I. Analysis of differentiation forms of the B16 melanoma expressing Met-72 determinants and metastatic activity. Xiang JH, et al. **Clin Exp Metastasis** 1986 Oct–Dec;4(4):293–309

Visualization of adrenocortical carcinoma lung metastases with iodine-131 labeled 6B-iodomethylnorcholesterol (NP-59). Chow CK, et al. **Clin Nucl Med** 1987 Jun; 12(6):468–70

Usefulness of SPECT in evaluating osteosarcoma metastases to the lung. Kirk GA, et al. **Clin Nucl Med** 1987 May; 12(5):356–8

Soft tissue sarcoma: two cases of solitary lung metastasis more than 15 years after diagnosis. Going JJ, et al. **Clin Radiol** 1986 Nov;37(6):579–81

Bilateral pneumothorax secondary to metastatic angiosarcoma of the breast. Kader HA, et al. **Clin Radiol** 1987 Mar;38(2):201–2

Residual cavities of lung metastases following chemotherapy. Kier R, et al. **Comput Radiol** 1986 Nov–Dec;10(6):293–6

Lung recurrence after curative surgery for colorectal cancer. Pihl E, et al. **Dis Colon Rectum** 1987 Jun;30(6):417–9

Sputum cytology for the detection of pulmonary metastases from colorectal carcinoma. Radford D, et al. **Dis Colon Rectum** 1987 Sep;30(9):678–82

Extraneural metastasis of a pineal tumor. Report of 3 cases and review of the literature. Lesoin F, et al. **Eur Neurol** 1987;27(1):55–61

Cancer of the oropharynx. Biller HF, et al. **Head Neck Surg** 1987 Jul–Aug;9(6):368–71

Suppression of pulmonary tumour metastasis in mice by recombinant human interleukin-2: role of asialo GM1-positive cells. Hinuma S, et al. **Immunology** 1987 Feb; 60(2):173–9

Metastatic prostatic adenocarcinoma. Arora VK, et al. **Indian J Chest Dis Allied Sci** 1986 Apr–Jun;28(2):95–8

Microscopic metastasis of a human lung carcinoma cell line in athymic nude mice: isolation of a metastatic variant. Varki NM, et al. **Int J Cancer** 1987 Jul 15;40(1):46–52

Regional lymph node and pulmonary metastases after local hyperthermia of melanomas in C57BL/6 mice. Nathanson SD, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb; 13(2):243–9

Tissue factor-dependent activation of platelets by cells and microvesicles of SK-OS-10 human osteogenic sarcoma cell line. Grignani G, et al. **Invasion Metastasis** 1987;7(3):172–82

Involvement of membrane sugar receptors and membrane glycoconjugates in the adhesion of 3LL cell subpopulations to cultured pulmonary cells. Kieda C, et al. **Invasion Metastasis** 1986;6(6):347–66

Effects of neutrophil-mediated pulmonary endothelial injury on the localization and metastasis of circulating Walker carcinosarcoma cells. Orr FW, et al. **Invasion Metastasis** 1987;7(3):183–96

Correlation of fibrinolytic activity with invasion and metastasis of R3230 AC rat mammary carcinoma cell lines. Pauli BU, et al. **Invasion Metastasis** 1987;7(3):158–71

Platelet-aggregating activities of metastasizing tumor cells. V. In situ roles of platelets in hematogenous metastases. Tanaka NG, et al. **Invasion Metastasis** 1986;6(4):209–24

Follicular thyroid carcinoma with pulmonary metastasis. Mangum DH, et al. **J Arkansas Med Soc** 1986 Dec; 83(7):271–9

Intravascular bronchioloalveolar tumor as a secondary manifestation of an epithelioid hemangioendothelioma. Beerden J, et al. **J Belge Radiol** 1986;69(6):443–6

Metastatic osteosarcoma and multiple lung resection. A case report. Blasier D, et al. **J Bone Joint Surg [Br]** 1986 Nov; 68(5):748–50

Morphology of pulmonary metastases from osteosarcoma during chemotherapy. Derstappen T, et al. **J Cancer Res Clin Oncol** 1987;113(3):241–8

Inhibition of experimental pulmonary metastasis in mice by beta-cyclodextrin-benzaldehyde. Ochiai H, et al. **J Cancer Res Clin Oncol** 1986;112(3):216–20

Pulmonary sulcus metastases simulating intraabdominal malignancy in childhood tumors. Donaldson JS, et al. **J Comput Tomogr** 1987 Jul;11(3):271–4

Malignant hemangiopericytoma: computed tomography and magnetic resonance imaging. Shin MS, et al. **J Comput Tomogr** 1987 Jul;11(3):297–300

Pulmonary function in thyroid carcinoma metastatic to the lung. Aldrich LB, et al. **J Endocrinol Invest** 1987 Apr; 10(2):111–6

Amelioration of B16F10 melanoma lung metastasis in mice by a combination therapy with indomethacin and interleukin 2 [published erratum appears in J Exp Med 1987 Mar 1;165(3):935] Parhar RS, et al. **J Exp Med** 1987 Jan 1;165(1):14–28

Juvenile aponeurotic fibroma with disseminated fibrosarcoma. Lafferty KA, et al. **J Hand Surg [Am]** 1986 Sep;11(5):737–40

Systemic activation of tumoricidal properties in mouse macrophages and inhibition of melanoma metastases by the oral administration of MTP-PE, a lipophilic muramyl dipeptide. Fidler IJ, et al. **J Immunol** 1987 Jun 15; 138(12):4509–14

Depletion of natural killer cells in mice by monoclonal antibody to NK-1.1. Reduction in host defense against malignancy without loss of cellular or humoral immunity. Seaman WE, et al. **J Immunol** 1987 Jun 15;138(12):4539–44

Role of pulmonary macrophages in resistance to experimental metastasis. Jackson RA, et al. **J Leukocyte Biol** 1986 Nov; 40(5):575–87

Unusual presentation of metastatic scalp angiosarcoma: diagnosis by transbronchial lung biopsy. Lanese DM, et al. **J Natl Med Assoc** 1987 May;79(5):565–8

Metastatic spread of benign intracranial meningioma. Tognetti F, et al. **J Neurosurg Sci** 1987 Jan–Mar;31(1):23–7

Massive granular cell ameloblastoma with metastasis: report of a case. Cranin AN, et al. **J Oral Maxillofac Surg** 1987 Sep;45(9):800–4

Effects of injury and repair of the pulmonary endothelium on lung metastasis after bleomycin. Adamson IY, et al. **J Pathol** 1986 Dec;150(4):279–87

Synergistic effect of coumadin and cytoxan in reducing lung metastases. Sawchuk A, et al. **J Pediatr Surg** 1986 Dec; 21(12):1119–22

Diagnosis of pulmonary nodules in the cancer patient: the role for routine culture and an unusual application of the human tumor colony-forming assay. Friedman HM, et al. **J Surg Oncol** 1987 Mar;34(3):150–4

Basal cell carcinoma with lung metastases: a case report. Icli F, et al. **J Surg Oncol** 1986 Sep;33(1):57–60

Spontaneous regional lymph node metastases of three variants of the B16 melanoma: relationship to primary tumor size and pulmonary metastases. Nathanson SD, et al. **J Surg Oncol** 1986 Sep;33(1):41–5

Significance of the "maturation" of metastases from Wilms' tumor after therapy. Omar R, et al. **J Surg Oncol** 1986 Dec;33(4):239–42

Solitary pulmonary metastasis: an enigma. Salsali M. **J Surg Oncol** 1987 Apr;34(4):230–4

Fatal metastatic cystosarcoma phyllodes in an adolescent female: case report and review of treatment approaches. Turalba CI, et al. **J Surg Oncol** 1986 Nov;33(3):176–81

Causative factors for decreased pulmonary metastasis in parenterally fed mice. Bryant MS, et al. **J Surg Res** 1987 May;42(5):467–74

Decreased lung metastasis and tumor growth in parenterally fed mice. Mahaffey SM, et al. **J Surg Res** 1987 Feb; 42(2):159–65

Stimulatory effect of high polyunsaturated fat diet on lung metastasis from the 13762 mammary adenocarcinoma in female retired breeder rats. Katz EB, et al. **JNCI** 1987 Aug; 79(2):351–8

Evidence by cellular mosaicism for monoclonal metastasis of spontaneous mouse mammary tumors. Ootsuyama A, et al. **JNCI** 1987 Jun;78(6):1223–7

Clonality of pulmonary metastases from the bladder 6 subline of the B16 melanoma studied by southern hybridization. Talmadge JE, et al. **JNCI** 1987 Feb;78(2):315–20

Inhibition of experimental and spontaneous pulmonary metastasis of murine RCT (+) sarcoma by beta-cyclodextrin-benzaldehyde. Masuyama K, et al. **Jpn J Cancer Res** 1987 Jul;78(7):705–11

Therapeutic effect of cell-wall skeleton of Propionibacterium acnes in combination with a monoclonal antibody (C6-1.2) on the lung metastases of Lewis lung carcinoma. Saiki I, et al. **Jpn J Cancer Res** 1987 May;78(5):512–8

Inhibitory effect of murine recombinant interferon (beta) on the pulmonary metastasis of B-16 melanoma. Sakurai M, et al. **Jpn J Cancer Res** 1986 Aug;77(8):774–81

Clinicopathological study on hematogenous metastasis of pancreatic cancer. Matsuno S, et al. **Jpn J Surg** 1986 Nov; 16(6):406–11

Tumor metastasis after hyperoxic injury and repair of the pulmonary endothelium. Adamson IY, et al. **Lab Invest** 1987 Jul;57(1):71–7

Whole lung tomography in the early detection and follow-up of lung secondaries following hydatidiform mole. Sivanesaratnam V, et al. **Med J Malaysia** 1985 Dec; 40(4):317–20

Endobronchial metastatic carcinoma from an occult carcinoma of the duodenum. Ilangovan S, et al. **Mt Sinai J Med (NY)** 1987 Feb;54(2):180–1

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 30-1987. A 43-year-old woman with breast cancer and the abrupt onset of respiratory failure. **N Engl J Med** 1987 Jul 23;317(4):225–35

Prevention of experimental liver metastases by arabinogalactan. Uhlenbruck G, et al. **Naturwissenschaften** 1986 Oct;73(10):626–7

Dermatofibrosarcoma protuberans: an unusual presentation (letter). Ahmed AF, et al. **NY State J Med** 1986 Oct; 86(10):543

Histology and biology of metastatic chondroblastoma. Report of a case with a review of the literature. Kunze E, et al. **Pathol Res Pract** 1987 Feb;182(1):113–23

Interferon gamma induces lung colonization by intravenously inoculated B16 melanoma cells in parallel with enhanced expression of class I major histocompatibility complex antigens. Taniguchi K, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3405–9

Complete response of lung metastases caused by prostatic cancer after chronic administration of a gonadotropin-releasing hormone analog, buserelin (HOE 766). Koutsilieris M, et al. **Prostate** 1987;10(1):19–24

Pulmonary metastatic disease: radiologic-surgical correlation. Peuchot M, et al. **Radiology** 1987 Sep; 164(3):719–22

Pulmonary lymphangitic spread of carcinoma: appearance on CT scans. Stein MG, et al. **Radiology** 1987 Feb; 162(2):371–5

Carcinoma of the prostate presenting as interstitial lung disease. Cohen O, et al. **Respiration** 1987;51(2):158–60

Miliary mottling on lung fields plus hyperthyroidism—miliary tuberculosis or choriocarcinoma? A case report. Nayiager S, et al. **S Afr Med J** 1987 May 2;71(9):594–5

Elective whole-lung irradiation in osteosarcoma treatment: appearance of bilateral breast cancer in two long-term survivors. Ivins JC, et al. **Skeletal Radiol** 1987;16(2):133–5

Hypertrophic pulmonary osteoarthropathy and breast cancer. Booth BW, et al. **South Med J** 1987 Mar;80(3):383–6

Correlation of breast cancer metastases in chest X-rays to symptoms and survival. Virkkunen P, et al. **Strahlenther Onkol** 1987 May;163(5):305–8

Radiology of pulmonary metastases: comparison of imaging techniques with operative findings. Friedmann G, et al. **Thorac Cardiovasc Surg** 1986 Nov;34 Spec No 2:120–4

Pulmonary metastases. Pathological anatomy. Müller KM. **Thorac Cardiovasc Surg** 1986 Nov;34 Spec No 2:115–9 (16 ref.)

Metastatic meningioma of the lung. Aumann JL, et al. **Thorax** 1986 Jun;41(6):487–8

Metastatic growth of a murine tumor: evidence of dissemination to the lungs in the absence of subcutaneous growth. Alberti S, et al. **Tumori** 1986 Aug 31;72(4):345–50

Symptomatic pulmonary tumor in middle age female. Burgos E, et al. **Ultrastruct Pathol** 1986;10(5):445–50

Fatal epithelioid haemangioendothelioma presenting in the lung and liver. Ekfors TO, et al. **Virchows Arch [A]** 1986; 410(1):9–16

Unilateral pulmonary metastasis in a patient with osteogenic sarcoma surviving longer than 13 years after leg amputation. Honma K, et al. **Wien Klin Wochenschr** 1986 Aug 8;98(15):499–503

[Experimental study on tumor metastasis after treatment by hematoporphyrin derivative and laser] Gao J, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Jul;8(4):256–8 (Eng. Abstr.) **(Chi)**

[Malignant pheochromocytomas. Apropos of a case with multiple metastatic localizations] Becquart J, et al. **Ann Cardiol Angeiol (Paris)** 1987 Apr;36(4):191–6 (Eng. Abstr.) **(Fre)**

[Mitoxantrone in metastatic cylindromas. Apropos of a case (letter)] Charrot P, et al. **Bull Cancer (Paris)** 1987;74(1):38–9 **(Fre)**

[Factors linked to the development of pleuro-pulmonary metastases in breast cancer. Preliminary study] Lê MG, et al. **Bull Cancer (Paris)** 1987;74(1):31–4 (Eng. Abstr.) **(Fre)**

[Pulmonary metastases of a placental choriocarcinoma] Guérin JC, et al. **Rev Mal Respir** 1986;3(4):201–6 (Eng. Abstr.) **(Fre)**

[Multiple leiomyomatous pulmonary nodules in women. Apropos of 2 cases of metastasizing benign leiomyoma] Carnot F, et al. **Rev Pneumol Clin** 1987;43(3):131–7 (Eng. Abstr.) **(Fre)**

[Excavated, thin-walled pulmonary metastases of a sarcoma of the cervix uteri] Lemarie E, et al. **Rev Pneumol Clin** 1986;42(3):153–6 (Eng. Abstr.) **(Fre)**

[Pulmonary metastasis of a hemangiopericytoma of the tongue disclosed by pneumothorax] Pechnick B, et al. **Rev Pneumol Clin** 1986;42(4):194–8 (Eng. Abstr.) **(Fre)**

[Diagnosis and surgical therapy of lung metastases] Krüger I, et al. **Dtsch Med Wochenschr** 1987 Feb 6;112(6):205–9 (Eng. Abstr.) **(Ger)**

[Metastases of a medullary carcinoma of the thyroid (follicular variant). Diagnosis and therapy using radioiodine] Ruhlmann J, et al. **Dtsch Med Wochenschr** 1987 Jul 24;112(30):1170–2 (Eng. Abstr.) **(Ger)**

[Gastrointestinal melanoma metastases in unknown primary tumor. A case report] Schmid A, et al. **Med Klin** 1986 Sep 12;81(18–19):623–4 **(Ger)**

[131I-accumulating pulmonary and bone metastases of differentiated thyroid cancer with low serum thyroglobulin levels—an exception in tumor follow-up?] Arning G, et al. **Nuklearmedizin** 1987 Jun;26(3):139–42 (Eng. Abstr.) **(Ger)**

[Pulmonary and pleural metastases in malignant melanoma] Wiebe T, et al. **Z Erkr Atmungsorgane** 1986;

167(1-2):145-51 (Eng. Abstr.) (Ger)
[Value of computerized tomography of the thorax in germinal testicular tumors] Stobbe G, et al. **Z Urol Nephrol** 1987 Feb;80(2):69-74 (Eng. Abstr.) (Ger)
[Almost complete disappearance of metastatic pulmonary tumor and reduction of the main hepatic mass in a case of hepatocellular carcinoma treated with UFT] Hayashi K, et al. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2775-8 (Eng. Abstr.) (Jpn)
[Antimetastatic effect of batroxobin] Shibuya M, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 1):732-4 (Jpn)
[Diagnosis and treatment of metastatic lung tumors] Suda H, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 1):574-80 (Eng. Abstr.) (Jpn)
[Clinical and basic studies on the treatment of cancer metastasis] Suemasu K, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 1):561-6 (Eng. Abstr.) (Jpn)
[Significance of surgical adjuvant chemotherapy in osteosarcoma] Yamawaki S, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1430-7 (Eng. Abstr.) (Jpn)
[A case of prostate cancer with multiple pulmonary metastases] Katoh H, et al. **Hinyokika Kiyo** 1987 Mar; 33(3):441-6 (Eng. Abstr.) (Jpn)
[Chemodectoma of the glomus jugulare with multiple metastases. Case report] Sakakura T, et al. **Neurol Med Chir (Tokyo)** 1986 Sep;26(9):701-5 (Eng. Abstr.) (Jpn)
[Role of pulmonary resection in the management of patients with metastatic bone and soft tissue sarcomas] Amino K, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Jun 20; 21(5):998-1007 (Eng. Abstr.) (Jpn)
[Different metastatic modes of B16 malignant melanoma in C57BL/6 young and old mice and its modification by dithiothreitol] Hirayama R, et al. **Nippon Gan Chiryo Gakkai Shi** 1987 Feb 20;22(1):17-24 (Eng. Abstr.) (Jpn)
[The treatment of metastatic renal cell carcinoma with human lymphoblastoid alpha-interferon] Kinouchi T, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 May 20;21(4):767-72 (Eng. Abstr.) (Jpn)
[Experimental study on prophylactic whole lung irradiation for metastases of murine RCT sarcoma with special reference to effectiveness and side effects] Matsui H. **Nippon Gan Chiryo Gakkai Shi** 1986 May 20;21(4):786-96 (Eng. Abstr.) (Jpn)
[Experimental studies on the effect of local irradiation on pulmonary metastasis] Miyoshi Y. **Nippon Geka Gakkai Zasshi** 1986 Oct;87(10):1335-43 (Eng. Abstr.) (Jpn)
[Establishment and characterization of a cell line [GCH-1 (m)] highly metastasizing to the lung in nude mice] Adachi S. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr; 39(4):641-8 (Eng. Abstr.) (Jpn)
[Cytological diagnosis of metastases to the lungs] Kirdan GV, et al. **Grudn Khir** 1987 May-Jun;(3):50-3 (Eng. Abstr.) (Rus)
[Surgical treatment of metastatic tumors of the lungs] Altakov ZN, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):19-22 (Eng. Abstr.) (Rus)
[Long-term observation of a patient after combined treatment of chorio-epithelioma of the testis with solitary metastasis to the lung] Miloslavskii IM, et al. **Klin Khir** 1987;(5):49-50 (Rus)
[Combined treatment of thyroid cancer metastases to the lungs in children and young people] Kiseleva ES, et al. **Med Radiol (Mosk)** 1987 Mar;32(3):7-10 (Eng. Abstr.) (Rus)
[Radioimmunological methods in the diagnosis of metastases of thyroid cancer] Lozinskaia IN, et al. **Med Radiol (Mosk)** 1987 Jun;32(6):6-9 (Eng. Abstr.) (Rus)
[Complete regression of breast cancer and its lung metastases after chemohormonotherapy] Borisov VI, et al. **Sov Med** 1986;(12):123-4 (Rus)
[Pulmonary metastases] Radosavljević G, et al. **Plucne Bolesti** 1986 Jul-Dec;38(3-4):221-4 (Eng. Abstr.) (Scr)
[Fatal choriocarcinoma 5 years after childbirth] Flam F, et al. **Lakartidningen** 1987 Jun 17;84(25):2209 (Swe)

SECRETION

Alpha-fetoprotein and human chorionic gonadotropin-producing lung cancer. Miyake M, et al. **Cancer** 1987 Jan 15;59(2):227-32
Ectopic adrenocorticotropin syndrome caused by lung cancer that responded to corticotropin-releasing hormone. Suda T, et al. **J Clin Endocrinol Metab** 1986 Nov; 63(5):1047-51
Beta-adrenergic regulation of secretion from Clara cell adenomas of the mouse lung. Palmer KC, et al. **Lab Invest** 1987 Mar;56(3):329-34
Identification of ACTH-producing intrathoracic tumors by measuring ACTH levels in aspirated specimens. Doppman JL, et al. **Radiology** 1987 May;163(2):501-3
[A case report of two patients with primary lung cancer secreting AFP] Miyake M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jun;34(6):914-9 (Eng. Abstr.) (Jpn)
[Hypercorticism caused by tumor ectopic secretion of ACTH] Montalbán C, et al. **Rev Clin Esp** 1987 Jun; 181(2):82-6 (Eng. Abstr.) (Spa)

SURGERY

Postoperative recurrence of lung cancer: detection by whole-body gallium scintigraphy. Hatfield MK, et al. **AJR** 1986 Nov;147(5):911-5
Bronchial obstruction and hypoxia during one-lung ventilation. Maguire DP, et al. **Anesthesiology** 1987 Jun; 66(6):830-1
Results of surgical treatment in bronchioloalveolar carcinoma. Heikkilä L. **Ann Chir Gynaecol** 1986; 75(4):183-91
Patterns of failure in patients with resected stage I and II non-small-cell carcinoma of the lung. The Ludwig Lung Cancer Study Group. **Ann Surg** 1987 Jan;205(1):67-71
Neodymium-yttrium-aluminum-garnet laser in lung cancer. Gelb AF, et al. **Ann Thorac Surg** 1987 Feb;43(2):164-7
Surgical approach to lung cancer with solitary cerebral metastasis: twenty-five years' experience. Magilligan DJ Jr, et al. **Ann Thorac Surg** 1986 Oct;42(4):360-4
Significance of metastatic disease in subaortic lymph nodes. Patterson GA, et al. **Ann Thorac Surg** 1987 Feb;43(2):155-9
Simultaneous cisplatin fluorouracil infusion and radiation followed by surgical resection in regionally localized stage III, non-small cell lung cancer. Taylor SG 4th, et al. **Ann Thorac Surg** 1987 Jan;43(1):87-91
Surgical treatment of bronchogenic carcinoma: the importance of staging in evaluating late survival. Pagé A, et al. **Can J Surg** 1987 Mar;30(2):96-9
Immunostimulation with intrapleural BCG as adjuvant therapy in resected non-small cell lung cancer. The Ludwig Lung Cancer Study Group (LLCSG). **Cancer** 1986 Dec 1;58(11):2411-6
Intrapleural and intravenous Corynebacterium parvum in patients with resected stage I and II non-small cell carcinoma of the lung. The Ludwig Lung Cancer Study Group. **Cancer Immunol Immunother** 1986;23(1):1-4
A two-year experience with the neodymium-YAG laser in endobronchial obstruction. Brutinel WM, et al. **Chest** 1987 Feb;91(2):159-65
Postchemotherapy resection of residual tumor in limited stage small cell lung cancer. Johnson DH, et al. **Chest** 1987 Aug; 92(2):241-6
Influence of surgical resection prior to chemotherapy on the long-term results in small cell lung cancer. A study of 150 operable patients. Osterlind K, et al. **Eur J Cancer Clin Oncol** 1986 May;22(5):589-93
Primary pulmonary Hodgkin's disease and the dilemma of E stage. Zulian GB, et al. **Eur J Surg Oncol** 1986 Sep; 12(3):307-10
Multimodality treatment with surgery in small-cell lung cancer. Karrer K, et al. **Int J Clin Pharmacol Res** 1987; 7(4):313-28
Sleeve lobectomy for bronchogenic carcinoma: the Rush-Presbyterian-St. Luke's Medical Center experience. Jensik RJ, et al. **Int Surg** 1986 Oct-Dec;71(4):207-10
Sleeve resection and other bronchoplasties in the surgery of bronchogenic tumors. Keszler P. **Int Surg** 1986 Oct-Dec; 71(4):229-32
Tracheobronchoplasty for lung cancer. Maeda M, et al. **Int Surg** 1986 Oct-Dec;71(4):221-8
Sleeve lobectomy in the treatment of bronchogenic carcinoma. Sartori F, et al. **Int Surg** 1986 Oct-Dec; 71(4):233-6
Bronchoplastic and angioplastic operation in bronchial carcinoma: long-term results of a retrospective analysis from 1973 to 1983. Vogt-Moykopf I, et al. **Int Surg** 1986 Oct-Dec;71(4):211-20
Resection of bronchial neoplasm in the elderly. Mongey AB, et al. **Ir Med J** 1986 Nov;79(11):326-7
Normal 5-hydroxyindole excretion in the presence of carcinoid syndrome. Wiles P, et al. **Ir Med J** 1987 Apr; 80(4):122-3
Surgery of bronchogenic carcinoma invading the chest wall. Ricci C, et al. **Ital J Surg Sci** 1987;17(1):41-7
Palliation of malignant tracheobronchial obstruction by Nd-YAG laser: an update of experience at the Cleveland Clinic Foundation. Livingston DR, et al. **J Am Osteopath Assoc** 1987 Mar;87(3):226-34
Nd-YAG laser therapy in lung cancer. Shah SP, et al. **J Assoc Physicians India** 1986 Sep;34(9):653-4
The role of surgery in the management of selected patients with small-cell carcinoma of the lung. Baker RR, et al. **J Clin Oncol** 1987 May;5(5):697-702
Operation for small-cell carcinoma revisited [editorial] Mountain CF. **J Clin Oncol** 1987 May;5(5):687-8
Primary malignant melanoma of the lung. Alghanem AA, et al. **J Surg Oncol** 1987 Feb;34(2):109-12
Primary teratocarcinoma of the lung. Stair JM, et al. **J Surg Oncol** 1986 Dec;33(4):262-7
Postoperative T1 N0 non-small cell lung cancer. Squamous versus nonsquamous recurrences. The Lung Cancer Study Group. **J Thorac Cardiovasc Surg** 1987 Sep;94(3):349-54
Mucoepidermoid bronchial adenoma in a 6-year-old girl: a case report and review of the literature. Archer RL, et al. **J Thorac Cardiovasc Surg** 1987 Sep;94(3):452-4 (20 ref.)
Pleuroperitoneal shunting for recalcitrant pleural effusions. Cimochowski GE, et al. **J Thorac Cardiovasc Surg** 1986 Nov;92(5):866-70
Replacement of the superior vena cava with polytetrafluoroethylene grafts combined with resection of mediastinal-pulmonary malignant tumors. Report of thirteen cases. Dartevelle P, et al. **J Thorac Cardiovasc Surg** 1987 Sep;94(3):361-6
Long-term clinical and functional results of sleeve lobectomy for primary lung cancer. Deslauriers J, et al. **J Thorac Cardiovasc Surg** 1986 Nov;92(5):871-9
Bronchial sleeve resection with and without pulmonary resection. Frist WH, et al. **J Thorac Cardiovasc Surg** 1987 Mar;93(3):350-7
The role of resection in the treatment of pulmonary metastases from Ewing's sarcoma. Lanza LA, et al. **J Thorac Cardiovasc Surg** 1987 Aug;94(2):181-7
The feasibility of thoracotomy for lung cancer in the elderly. Sherman S, et al. **JAMA** 1987 Aug 21;258(7):927-30
A clinico-pathological study of surgical treatment for small cell carcinoma of the lung. Miyazawa N, et al. **Jpn J Clin Oncol** 1986 Sep;16(3):297-307
The role of surgical resection in the management of small cell carcinoma of the lung. Ohta M, et al. **Jpn J Clin Oncol** 1986 Sep;16(3):289-96
Long-term survival in patients with small cell lung cancer. Suga J, et al. **Jpn J Clin Oncol** 1986 Sep;16(3):309-15
Laser treatment of obstructive endobronchial tumors: factors which determine response. Lam S, et al. **Lasers Surg Med** 1987;7(1):29-35
Selective endoscopic treatment of bronchogenic carcinoma with the carbon dioxide surgical laser. An uncommon new indication for laser bronchoscopy. Koufman JA, et al. **NC Med J** 1987 Jun;48(6):307-9
Subarachnoid-pleural fistula complicating thoracotomy: case report and review of the literature. Da Silva VF, et al. **Neurosurgery** 1987 May;20(5):802-5
Radical lobectomy with mediastinal node dissection (3 year follow-up). Paletto AE, et al. **Panminerva Med** 1986 Oct-Dec;28(4):307-11
Regional lung function following sleeve lobectomy. Ratto GB, et al. **Panminerva Med** 1986 Oct-Dec;28(4):335-8
Experience in surgical treatment of pulmonary and bronchial tumours in childhood. Tischer W, et al. **Prog Pediatr Surg** 1987;21:118-35
Comparative study of conventional scalpel and CO2-laser in experimental tumor surgery. Tuchmann A, et al. **Res Exp Med (Berl)** 1986;186(5):375-86
A combined surgical approach to non-oat-cell pulmonary carcinoma with single cerebral metastasis. Rossi NP, et al. **Respiration** 1987;51(3):170-8
Bronchoplastic procedures for bronchial carcinoma. Røder OC, et al. **Scand J Thorac Cardiovasc Surg** 1987; 21(2):109-11
Extended intrathoracic resection for lung cancer. Follow-up of 49 cases. Sellman M, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(1):69-72
Changes in serum zinc and serum albumin after operation for bronchogenic carcinoma. Vasehus PM, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(1):53-5
Intraoperative radiotherapy in stage I and II lung cancer. Hilaris BS, et al. **Semin Surg Oncol** 1987;3(1):22-32
The role of lasers in the management of carcinoma of the lung and the esophagus. Wolfe WG, et al. **Surg Annu** 1987; 19:221-32 (40 ref.)
Surgical treatment of lung carcinoma. **Surg Clin North Am** 1987 Oct;67(5):909-1120
Results of surgical treatment of stage III lung cancer invading the mediastinum. Burt ME, et al. **Surg Clin North Am** 1987 Oct;67(5):987-1000
Results of surgical treatment of stage III lung carcinoma with carinal proximity. The role of sleeve lobectomy versus pneumonectomy and the role of sleeve pneumonectomy. Faber LP. **Surg Clin North Am** 1987 Oct;67(5):1001-14
Miniresection of small peripheral carcinomas of the lung. Jensik RJ. **Surg Clin North Am** 1987 Oct;67(5):951-8
Methods of skeletal reconstruction following resection of lung carcinoma invading the chest wall. McCormack PM, et al. **Surg Clin North Am** 1987 Oct;67(5):979-86
Treatment of lung cancer metastatic to the brain. Results of combined excision. Magilligan DJ Jr. **Surg Clin North Am** 1987 Oct;67(5):1073-80
The role of surgery in N2 lung cancer. Martini N, et al. **Surg Clin North Am** 1987 Oct;67(5):1037-49
Indications for surgical treatment in small cell carcinoma of the lung. Meyer JA. **Surg Clin North Am** 1987 Oct; 67(5):1103-15
Treatment of stage I lung cancer (T1N0M0, T2N0M0). Moores DW, et al. **Surg Clin North Am** 1987 Oct; 67(5):937-43
Treatment of bronchogenic carcinoma with chest wall invasion. Pairolero PC, et al. **Surg Clin North Am** 1987 Oct;67(5):959-64
Modified stage I (T1N0M0, T2N0M0), nonsmall cell lung cancer: treatment results, recurrence patterns, and adjuvant immunotherapy. Little AG, et al. **Surgery** 1986 Oct; 100(4):621-8
16th annual meeting of the German Society for Thoracic and Cardiovascular Surgery. February 19th, 1987 to February 21st, 1987, Bad Nauheim. Abstracts. **Thorac Cardiovasc Surg** 1987 Feb;35 Spec No 1:1-110 (Eng, Ger)
Long-term results following surgical removal of pulmonary metastases in children with malignomas. Lembke J, et al. **Thorac Cardiovasc Surg** 1986 Nov;34 Spec No 2:137-9
The role of surgery in the combined management of small cell bronchial carcinoma. Salzer GM, et al. **Thorac Cardiovasc Surg** 1986 Oct;34(5):326-9
Results of surgical treatment for pulmonary metastases. Swoboda L, et al. **Thorac Cardiovasc Surg** 1986 Nov;34

Spec No 2:149–52

Surgery of pulmonary metastases. van de Wal HJ, et al. **Thorac Cardiovasc Surg** 1986 Nov;34 Spec No 2:153–6

Resection of pulmonary metastases—results, prognostic factors, reappraisal of selection criteria. van Dongen JA, et al. **Thorac Cardiovasc Surg** 1986 Nov;34 Spec No 2:140–2

Late results of surgical treatment of pulmonary metastases. Vogt-Moykopf I, et al. **Thorac Cardiovasc Surg** 1986 Nov; 34 Spec No 2:143–8

Surgical technique in operations on pulmonary metastases. Vogt-Moykopf I, et al. **Thorac Cardiovasc Surg** 1986 Nov; 34 Spec No 2:125–32

Surgical treatment of pulmonary metastases in childhood. Winkler K. **Thorac Cardiovasc Surg** 1986 Nov;34 Spec No 2:133–6 (11 ref.)

Surgical results for the treatment of primary carcinoma of the lung. Shohtsu A, et al. **Tokai J Exp Clin Med** 1986 Aug;11(3):205–12

Five-year recurrence probabilities in 330 patients curatively resected for stage Ia bronchogenic carcinoma. Bedini AV, et al. **Tumori** 1987 Apr 30;73(2):131–7

Bronchial carcinoids: an analysis of 91 cases. Mårtensson H, et al. **World J Surg** 1987 Jun;11(3):356–64

[Factors influencing prognosis of pulmonary resection in elderly lung cancer patients] Gu YQ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1987 Feb;10(1):4–7, 61 (Eng. Abstr.) **(Chi)**

[Experience in the surgical treatment of 748 patients with lung cancer] Wang LJ, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Jul;8(4):283–6 (Eng. Abstr.) **(Chi)**

[Surgical treatment of pulmonary metastatic tumors] Xu PZ, et al. **Chung Hua Wai Ko Tsa Chih** 1987 Feb;25(2):86–8, 125 (Eng. Abstr.) **(Chi)**

[Resection and reconstruction of the carina of the trachea] Yang Y, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Aug; 24(8):479–81, 510 (Eng. Abstr.) **(Chi)**

[Carcinoma of the lungs, its types and the results of surgical treatment] Podzimek A, et al. **Cas Lek Cesk** 1986 Sep 5; 125(36):1125–7 (Eng. Abstr.) **(Cze)**

[The importance of and basis for extensive resection in the surgical treatment of lung cancer] Pešek M, et al. **Rozhl Chir** 1986 Aug;65(8–9):548–51 (Eng. Abstr.) **(Cze)**

[Surgical treatment of small-cell forms of lung cancer] Simek J, et al. **Rozhl Chir** 1987 Feb;66(2):101–7 (Eng. Abstr.) **(Cze)**

[Surgical treatment of lung cancer in older age groups] Simek J, et al. **Rozhl Chir** 1987 Jun;66(6):400–7 (Eng. Abstr.) **(Cze)**

[Respiratory function state and immediate postoperative complications in excision for cancer] Ranson-Bitker B, et al. **Ann Chir** 1986 Nov;40(8):597–602 (Eng. Abstr.) **(Fre)**

[Value of right cardiac exploration (test of pulmonary artery occlusion at rest and during exercise) in the preoperative functional evaluation of pulmonary excision for cancer] Richelme H, et al. **Ann Chir** 1986 Nov;40(8):610–1 (Eng. Abstr.) **(Fre)**

[Resectable bronchial cancer. Contribution of computed x-ray tomography in the evaluation of loco-regional extension] Musset D, et al. **J Radiol** 1986 Oct;67(10):675–9 (Eng. Abstr.) **(Fre)**

[Value of mediastinal systematic radical lymph node excision in cancers of the lung apparently without any lymph node invasiveness. 42 cases (letter)] Riquet M, et al. **Presse Med** 1986 Sep 27;15(32):1641–2 **(Fre)**

[Indications and contraindications for surgery in bronchial cancer] Yernault JC, et al. **Rev Med Brux** 1986 Oct; 7(8):459–63 (Eng. Abstr.) **(Fre)**

[Cerebral metastases and bronchial carcinomas. Apropos of a cure exceeding 13 years] Schneider S, et al. **Rev Med Suisse Romande** 1986 Aug;106(8):757–60 **(Fre)**

[Heart dislocation following extensive lung resection with partial pericardial resection] Groh J, et al. **Anaesthesist** 1987 Apr;36(4):182–4 (Eng. Abstr.) **(Ger)**

[Pulmonary blastoma. A case report] Bähr R, et al. **Chirurg** 1987 May;58(5):358–60 **(Ger)**

[Bronchial carcinoma and pulmonary hypertension. Significance for lung resection] Konietzko N, et al. **Dtsch Med Wochenschr** 1986 Nov 28;111(48):1830–3 (Eng. Abstr.) **(Ger)**

[Median sternotomy as an approach to surgery of lung metastases] Swoboda L, et al. **Helv Chir Acta** 1987 Feb; 53(4):531–5 (Eng. Abstr.) **(Ger)**

[Oncologic viewpoints of surgical and internal medicine cooperation] Drings P. **Langenbecks Arch Chir** 1986; 369:547–50 (Eng. Abstr.) **(Ger)**

[Indications and results of the surgical treatment of small-cell bronchial cancer] Merkle NM, et al. **Langenbecks Arch Chir** 1986;369:557–60 (Eng. Abstr.) **(Ger)**

[Value of surgery in the treatment of small-cell bronchial cancer] Salzer GM, et al. **Langenbecks Arch Chir** 1986; 369:551–3 (Eng. Abstr.) **(Ger)**

[Surgical indications in small-cell bronchial cancer] Specht G. **Langenbecks Arch Chir** 1986;369:543–5 (Eng. Abstr.) **(Ger)**

[Surgical treatment of bronchial cancer—current status] Eschapasse H. **Z Erkr Atmungsorgane** 1987;168(2):105–13 (Eng. Abstr.) **(Ger)**

[Primary site of hemangiopericytoma in the lung] Wiemann B. **Z Erkr Atmungsorgane** 1987;168(2):171–2 (Eng. Abstr.) **(Ger)**

[Simultaneous occurrence of Wilm's tumor and multiple lung hamartomas in a 15-year-old girl] Lindner H, et al. **Z Kinderchir** 1987 Apr;42(2):123–5 (Eng. Abstr.) **(Ger)**

[Recurrent heart dislocation following intrapericardial pneumonectomy] Gräbner D, et al. **Zentralbl Chir** 1987; 112(3):192–7 **(Ger)**

[Thoracic epidural analgesia (TEA) with morphine as an alternative to the administration of general anesthesia in thoracotomized patients] Vara-Thorbeck R, et al. **Zentralbl Chir** 1987;112(3):170–4 (Eng. Abstr.) **(Ger)**

[Bifurcated resection in the surgical treatment of central non-small cell T3 carcinoma] Weber J, et al. **Zentralbl Chir** 1986;111(14):844–52 (Eng. Abstr.) **(Ger)**

[Pulmonary microcytoma] Santangelo A. **Minerva Med** 1987 Feb 28;78(4):215–7 (Eng. Abstr.) **(Ita)**

[Surgical resection of pulmonary metastases from colorectal carcinoma] Takanami I, et al. **Gan No Rinsho** 1987 Mar; 33(3):278–82 (Eng. Abstr.) **(Jpn)**

[Qualitative improvement of the surgical treatment of cancer using laser equipment—surgical technic after photodynamic therapy] Kato H, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1468–76 (Eng. Abstr.) **(Jpn)**

[Present state and prospectives in the diagnosis and therapy of lung neoplasms. 5. Surgical therapy] Hashimoto M. **Hokkaido Igaku Zasshi** 1987 Mar;62(2):211–6 **(Jpn)**

[Reconstruction of the segmental bronchi] Ishihara T, et al. **Kyobu Geka** 1986 Nov;39(11):850–4 (Eng. Abstr.) **(Jpn)**

[Tracheobronchoplastic procedures in the treatment of lung cancer] Suzuki T, et al. **Kyobu Geka** 1987 Apr;40(5):368–72 (Eng. Abstr.) **(Jpn)**

[Evaluation of surgical procedures of patients over 70 years of age with stage Ia lung cancer] Togashi K, et al. **Kyobu Geka** 1987 May;40(6):484–6 (Eng. Abstr.) **(Jpn)**

[Combined resection of the left atrium in advanced lung cancer] Yokomise H, et al. **Kyobu Geka** 1987 Feb; 40(3):218–22 (Eng. Abstr.) **(Jpn)**

[Renal and respiratory failure after bilateral thoracotomy] Hagiya M, et al. **Masui** 1987 Apr;36(4):618–21 (Eng. Abstr.) **(Jpn)**

[Pulmonary resection by microwave tissue coagulator (MTC)—clinical application] Inoue S, et al. **Nippon Geka Gakkai Zasshi** 1987 Jun;88(6):743–5 (Eng. Abstr.) **(Jpn)**

[Prediction study of risk factors of postoperative complications following pulmonary resection—multivariate statistical analysis] Hara F, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jun;34(6):851–6 (Eng. Abstr.) **(Jpn)**

[Combined surgery of pulmonary vein reconstruction in two cases with advanced pulmonary cancer] Iwanami H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Apr;35(4):548–54 (Eng. Abstr.) **(Jpn)**

[A case of bilateral synchronous primary lung cancer treated by two-staged bilateral bronchoplastic procedures] Kato R, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Oct; 34(10):1862–6 (Eng. Abstr.) **(Jpn)**

[Segmental bronchoplastic procedure in a second primary lung cancer—a case report] Kurokawa E, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Sep;34(9):1715–9 (Eng. Abstr.) **(Jpn)**

[Concomitant surgery of cardiac and pulmonary diseases] Mori A, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Mar;35(3):416–20 (Eng. Abstr.) **(Jpn)**

[A case report of lymphomatoid granulomatosis] Okitsu H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Feb; 35(2):246–50 (Eng. Abstr.) **(Jpn)**

[Left sleeve pneumonectomy of a patient with pulmonary blastoma required for stump recurrence after left upper lobectomy] Shiraishi Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Nov; 34(11):2028–32 (Eng. Abstr.) **(Jpn)**

[Experimental study of combined left atrium resection for lung cancer] Yamamoto N. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jul;34(7):958–65 (Eng. Abstr.) **(Jpn)**

[Successful operation of gastric and lung cancer in adult T-cell leukemia] Katoh O, et al. **Rinsho Ketsueki** 1986 Nov; 27(11):2136–42 (Eng. Abstr.) **(Jpn)**

[Criteria of the work capacity of patients after radical surgery of lung cancer] Grachev AD, et al. **Grudn Khir** 1986 Sep-Oct;(5):54–7 (Eng. Abstr.) **(Rus)**

[Postoperative complications and mortality after extended and combined operations in lung cancer] Laktionov KP, et al. **Grudn Khir** 1987 Mar-Apr;(2):69–72 (Eng. Abstr.) **(Rus)**

[Mediastinoscopy in determining the operability of patients with lung cancer] Lukomskiĭ GI, et al. **Grudn Khir** 1987 Jul-Aug;(4):46–9 (Eng. Abstr.) **(Rus)**

[Problems of the diagnosis and treatment of lung cancer] Struchkov VI, et al. **Grudn Khir** 1987 Jul-Aug;(4):10–4 (Eng. Abstr.) **(Rus)**

[Bronchoplastic operations in bilateral metachronous lung cancer] Trunov AD, et al. **Grudn Khir** 1987 Mar-Apr; (2):88–9 **(Rus)**

[Palliative operations in lung cancer] Biriukov IuV, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):51–7 (Eng. Abstr.) **(Rus)**

[Surgical treatment of stage I lung cancer] Biriukov IuV, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):16–9 (Eng. Abstr.) **(Rus)**

[Complications of the surgical treatment of lung cancer in elderly patients] Shulutko ML, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):100–3 **(Rus)**

[Results of the surgical treatment of lung cancer in late middle-aged and elderly persons] Uspenskiĭ LV, et al. **Khirurgiia (Mosk)** 1986 Oct;(10):77–82 (Eng. Abstr.) **(Rus)**

[Limited resection in cancer of the lung] Alekseenko AV, et al. **Klin Khir** 1987;(5):20–3 (Eng. Abstr.) **(Rus)**

[Endoscopic laser photodestruction of tumors as a method of palliative treatment of lung cancer] Dotsenko AP, et al. **Klin Khir** 1987;(5):5–7 (Eng. Abstr.) **(Rus)**

[Surgical treatment of small cell cancer of the lung] Kotliarov EV, et al. **Klin Khir** 1987;(5):19–20 (Eng. Abstr.) **(Rus)**

[Possibilities of the cryogenic method in the treatment of malignant tumors of the lungs] Zakharychev VD, et al. **Klin Khir** 1986;(10):32–4 (Eng. Abstr.) **(Rus)**

[Surgical treatment of cancer of the lungs in respiratory insufficiency] Pirogov AI, et al. **Sov Med** 1986;(11):115–8 **(Rus)**

[Surgical treatment of lung cancer patients over 70] Pirogov AI, et al. **Sov Med** 1986;(8):92–5 **(Rus)**

[Pneumonectomy with atrial resection in patients with cancer of the lung] Trakhtenberg AKh, et al. **Sov Med** 1986; (11):112–5 **(Rus)**

[Inflammatory pseudotumors of the lungs] Bobylev NV, et al. **Vestn Khir** 1987 Apr;138(4):51–4 **(Rus)**

[Prognostic value of functional methods of studying respiration and circulation in lung cancer surgery] Buravtsov VI. **Vestn Khir** 1986 Dec;137(12):7–11 (Eng. Abstr.) **(Rus)**

[Combined surgical interventions in disseminated forms of lung cancer] Kotliarov EV. **Vestn Khir** 1987 Mar; 138(3):12–6 (Eng. Abstr.) **(Rus)**

[Surgical treatment of lung cancer in young patients] Zaĭtsev VF, et al. **Vestn Khir** 1986 Oct;137(10):7–10 (Eng. Abstr.) **(Rus)**

[Factors determining the status of the surgical care of lung cancer patients in a large industrial center] Drukin Ela. **Vopr Onkol** 1987;33(7):32–7 (Eng. Abstr.) **(Rus)**

[Means of improving the organization of surgical care of lung cancer patients] Shulutko ML, et al. **Vopr Onkol** 1987; 33(7):79–83 (Eng. Abstr.) **(Rus)**

[Rare respiratory obstruction during pneumonectomy] Manrique J, et al. **Rev Esp Anestesiol Reanim** 1987 Jan-Feb; 34(1):67–8 (Eng. Abstr.) **(Spa)**

THERAPY

The treatment of solitary plasmacytoma of bone and extramedullary plasmacytoma. Greenberg P, et al. **Am J Clin Oncol** 1987 Jun;10(3):199–204

Acute nonlymphocytic leukemia after treatment of small cell lung cancer. Johnson DH, et al. **Am J Med** 1986 Dec; 81(6):962–8

Delivery of intraoperative radiation therapy after pneumonectomy: experimental observations and early clinical results. Pass HI, et al. **Ann Thorac Surg** 1987 Jul; 44(1):14–20

Relevance of DNA-fluorimetry and short-term resistance testing for adjuvant treatment of non-small cell lung carcinomas. Volm M, et al. **Anticancer Res** 1986 Sep-Oct; 6(5):931–4

The use of expert surrogates to evaluate clinical trials in non-small cell lung cancer. Mackillop WJ, et al. **Br J Cancer** 1986 Oct;54(4):661–7

Adjuvant specific active lung cancer immunotherapy trials. Tumor-associated antigens. Hollinshead A, et al. **Cancer** 1987 Sep 15;60(6):1249–62

A 10-year experience with combined modality therapy for stage III small cell lung carcinoma. Jacobs RH, et al. **Cancer** 1986 Nov 15;58(10):2177–84

Long-term effects of intravenous hyperalimentation administered during intensive chemotherapy for small cell bronchogenic carcinoma. Valdivieso M, et al. **Cancer** 1987 Jan 15;59(2):362–9

Tumor-derived interleukin-2-dependent lymphocytes in adoptive immunotherapy of lung cancer. Kradin RL, et al. **Cancer Immunol Immunother** 1987;24(1):76–85

Chemotherapy in the treatment of non-small cell lung cancer. Weiss RC, et al. **Cancer Invest** 1986;4(4):343–51

Augmentation of cytotoxicity of chemotherapy by human alpha-interferons in human non-small cell lung cancer xenografts. Carmichael J, et al. **Cancer Res** 1986 Oct; 46(10):4916–20

Augmentation of the antimetastatic effect of anticoagulant drugs by immunostimulation in mice. Gorelik E. **Cancer Res** 1987 Feb 1;47(3):809–15

Intratumoral Bacillus Calmette-Guérin immunotherapy prior to surgery for carcinoma of the lung: results of a prospective randomized trial. Matthay RA, et al. **Cancer Res** 1986 Nov;46(11):5963–8

Induction of lymphokine-activated killer cells by intrapleural instillations of recombinant interleukin-2 in patients with malignant pleurisy due to lung cancer. Yasumoto K, et al. **Cancer Res** 1987 Apr 15;47(8):2184–7

Thoracic surgery survey on lung cancer management. A joint report of the ACCP Sections on Thoracic Surgery and Lung Cancer. Thurer RJ, et al. **Chest** 1987 Jun;91(6):913–6

Antimetastatic activity of lymphokine-activated killer cells to rat fibrosarcoma (WBT-2M) and rat mammary carcinoma (SST-2). Ba DN, et al. **Chin Med J [Engl]** 1987 Jan;100(1):2–7

Total parenteral nutrition in mice bearing a metastatic carcinoma: tumor growth, metastasis and immunologic

parameters. Cohen MD, et al. **Clin Exp Metastasis** 1986 Oct–Dec;4(4):245–57

BCG immunostimulation in primary pulmonary cancer (a clinical, immunological and radiological study). Dénes L, et al. **Dev Biol Stand** 1986;58 (Pt A):425–32

Experience with BCG vaccination treatment in lung tumour patients. Prugberger E, et al. **Dev Biol Stand** 1986;58 (Pt A):457–60

Mantoux, DNCB test, peripheral blood phagocyte activity and serum immunoglobulin levels in BCG vaccination treatment of lung tumor patients. Prugberger E, et al. **Dev Biol Stand** 1986;58 (Pt A):395–9

Immunotherapy for cancer: the use of lymphokine activated killer (LAK) cells. Fagan EA, et al. **Gut** 1987 Feb; 28(2):113–6 (27 ref.)

Antitumor effects of natural–human TNF on BDF1 mice bearing lewis lung carcinoma. Itano S, et al. **Hiroshima J Med Sci** 1987 Mar;36(1):105–11

Enhancement of radiation effects by alpha interferon in the treatment of small cell carcinoma of the lung. Holsti LR, et al. **Int J Radiat Oncol Biol Phys** 1987 Aug;13(8):1161–6

CNS relapse despite prophylactic cranial irradiation (PCI) in small cell lung cancer (SCLC). Hoskin PJ, et al. **Int J Radiat Oncol Biol Phys** 1986 Nov;12(11):2025–8

Non–small cell lung cancer: how oncologists want to be treated. Mackillop WJ, et al. **Int J Radiat Oncol Biol Phys** 1987 Jun;13(6):929–34

Improved local control of thoracic disease in small cell lung cancer with higher dose thoracic irradiation and cyclic chemotherapy. Papac RJ, et al. **Int J Radiat Oncol Biol Phys** 1987 Jul;13(7):993–8

A pilot clinical trial of the toxicity and immunorestorative effects of T cell reconstituting factor (SR 270258) in immunosuppressed cancer patients. Murray JL, et al. **J Biol Response Mod** 1987 Feb;6(1):56–68

Clinical value of immunotherapy with the streptococcal preparation OK–432 in non–small cell lung cancer. Watanabe Y, et al. **J Biol Response Mod** 1987 Apr; 6(2):169–80

Clinical trial of attenuated vaccinia virus AS strain in the treatment of advanced adenocarcinoma. Report on two cases. Arakawa S Jr, et al. **J Cancer Res Clin Oncol** 1987; 113(1):95–8

Whole–body hyperthermia decreases lung metastases in lung tumor–bearing mice, possibly via a mechanism involving natural killer cells. Shen RN, et al. **J Clin Immunol** 1987 May;7(3):246–53

Cytologically negative pericardial effusion complicating combined modality therapy for localized small–cell carcinoma of the lung. Carey RW, et al. **J Clin Oncol** 1987 May;5(5):818–24

Late intensive combined modality therapy followed by autologous bone marrow infusion in extensive–stage small–cell lung cancer. Ihde DC, et al. **J Clin Oncol** 1986 Oct;4(10):1443–54

Small–cell lung cancer—whither late intensification? [editorial] Livingston RB. **J Clin Oncol** 1986 Oct; 4(10):1437–8

Treatment of non–small–cell lung cancer. Mulshine JL, et al. **J Clin Oncol** 1986 Nov;4(11):1704–15 (97 ref.)

Effect of splenectomy on treatment of Lewis lung carcinoma by an immunomodulatory polysaccharide and a cytotoxic agent. Michowitz M, et al. **J Surg Oncol** 1987 Apr; 34(4):268–71

Electrical treatment of Lewis lung carcinoma in mice. Marino AA, et al. **J Surg Res** 1986 Aug;41(2):198–201

Lung cancer: scalpels, beams, drugs, and probes [editorial] Minna JD, et al. **N Engl J Med** 1986 Nov 27;315(22):1411–4

Delayed leukoencephalopathy in survivors with small cell lung cancer. So NK, et al. **Neurology** 1987 Jul; 37(7):1198–201

The tumor registry, the computer, and lung cancer. Hill GJ, et al. **NJ Med** 1987 Feb;84(2):120–3

Anorexia, serum zinc, and immunologic response in small cell lung cancer patients receiving chemotherapy and prophylactic cranial radiotherapy. Lindsey AM, et al. **Nutr Cancer** 1986;8(4):231–8

Chemotherapy (CAV) and surgical resection as combined modality in the therapy of small–cell lung cancer. Gatzemeier U, et al. **Panminerva Med** 1986 Apr–Jun; 28(2):63–6

Combined chemo–surgical treatment of oat cell carcinoma. Karrer K, et al. **Panminerva Med** 1986 Oct–Dec; 28(4):353–60

Endoscopic therapy in advanced central type lung cancer. Sekiguchi N. **Panminerva Med** 1986 Oct–Dec;28(4):313–20

Long–term results of treatment with mild toxicities in small cell lung carcinoma. Shirato H, et al. **Radiat Med** 1986 Oct–Dec;4(4):134–7

Isolated intrathoracic relapse in small–cell lung cancer: incidence and implications. Morgan DA. **Radiother Oncol** 1986 Dec;7(4):327–30

Phase II trial of etoposide, cisplatin, continuous infusion 5–fluorouracil, and simultaneous split–course radiation therapy in stage III non–small–cell bronchogenic carcinoma. Bonomi P, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 3):115–20

Small–cell lung cancer: a 10–year perspective. Jackson DV Jr, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 3):63–74 (47 ref.)

Concurrent chemotherapy and radiotherapy for limited small–cell carcinoma of the lung: a Southwest Oncology Group Study. McCracken JD, et al. **Semin Oncol** 1986 Sep; 13(3 Suppl 3):31–6

Alternating chemotherapy and thoracic radiotherapy with concurrent cisplatin–etoposide for limited–stage small–cell carcinoma of the lung. Murray N, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 3):24–30

Combined chemotherapy and radiation therapy for non–small–cell lung cancer. Osoba D, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 3):121–4

Rationale for clinical application of hyperthermia and drugs. Engelhardt R. **Strahlenther Onkol** 1987 Jul;163(7):428–9

Treatment of stage II lung cancer (T1N1 and T2N1). Holmes EC. **Surg Clin North Am** 1987 Oct;67(5):945–9

On the advent and necessity of molecular biology in the clinical management of lung cancer. Rahbek Sørensen H, et al. **Thorac Cardiovasc Surg** 1986 Dec;34(6):345–50 (43 ref.)

Treatment of small cell lung cancer by pneumonectomy and single course high dose chemotherapy. Littlewood TJ, et al. **Thorax** 1987 Apr;42(4):315–6

[Analysis of the effectivity of treatment in 53 cases of small cell carcinoma of the lung] Zhao YN. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Dec;9(6):341–3, 382 (Eng. Abstr.) **(Chi)**

[Antimetastasis effect of lymphokine–activated killer (LAK) cells on fibrosarcoma in WKA rats] Wang ZH, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Nov;8(6):421–3 (Eng. Abstr.) **(Chi)**

[Bronchopulmonary cancers: medical approach of the last weeks of life. Study of 191 patients] Marin I, et al. **Ann Med Interne (Paris)** 1987;138(2):90–5 (Eng. Abstr.) **(Fre)**

[Acute non–lymphoblastic leukemia developing soon after small cell lung carcinoma (letter)] Franco G, et al. **Presse Med** 1987 Aug 29–Sep 5;16(28):1372 **(Fre)**

[Long–term development of a case of spontaneous regression of a bronchial epidermoid cancer] Depierre A, et al. **Rev Mal Respir** 1987;4(2):101–2 **(Fre)**

[Pulmonary cancer: treatment philosophy of advanced cases] Klastersky J. **Rev Med Brux** 1987 Jan;8(1):36–9 (Eng. Abstr.) **(Fre)**

[Approach to the patient with bronchial cancer by the practicing physician] Sculier JP, et al. **Rev Med Brux** 1986 Oct;7(8):473–9 (28 ref.) (Eng. Abstr.) **(Fre)**

[Carcinoid] Renner D, et al. **Dtsch Med Wochenschr** 1986 Dec 19;111(51–52):1986 **(Ger)**

[Analysis of the effect of selection in a therapy study] Bülzebruck H, et al. **Onkologie** 1986 Oct;9(5):274–80 (Eng. Abstr.) **(Ger)**

[Immunotherapy of lung cancer] Lurie H, et al. **Harefuah** 1986 Jul;111(1–2):37–9 (Eng. Abstr.) **(Heb)**

[Combined chemotherapeutic and radiotherapeutic treatment of limited pulmonary microcytoma] Latini P, et al. **Radiol Med (Torino)** 1987 Jun;73(6):539–44 (Eng. Abstr.) **(Ita)**

[Adjuvant therapy in resectable non–small cell lung cancer] Hashimoto K, et al. **Gan No Rinsho** 1986 Oct;32(13):1752–6 (Eng. Abstr.) **(Jpn)**

[Acute squamous metaplasia of the whole lung after combined radiation and chemotherapy in advanced lung cancer] Miyamoto T, et al. **Gan No Rinsho** 1987 Jan; 33(1):89–96 (Eng. Abstr.) **(Jpn)**

[Small–cell carcinoma of the lung relapsing at the primary site three years after radiation therapy with chemotherapy] Okazaki A, et al. **Gan No Rinsho** 1987 Jan;33(1):82–8 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy concurrent with small–dose radiation therapy of small cell carcinoma of the lung] Tada T, et al. **Gan No Rinsho** 1987 Aug;33(9):1044–8 (Eng. Abstr.) **(Jpn)**

[Partial response of lung metastases from a renal cancer treated with endogenous tumor necrosis factor] Kato M, et al. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2378–80 (Eng. Abstr.) **(Jpn)**

[Adoptive immunotherapy of malignant diseases with LAK cells] Kimoto Y, et al. **Gan To Kagaku Ryoho** 1987 Mar; 14(3 Pt 1):687–92 (Eng. Abstr.) **(Jpn)**

[The effect of OK–432 in the treatment of primary lung cancer] Kishimoto T, et al. **Gan To Kagaku Ryoho** 1987 Apr;14(4):1051–6 (Eng. Abstr.) **(Jpn)**

[Phase I–II study of recombinant interleukin–2] Sano T, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):903–13 (Eng. Abstr.) **(Jpn)**

[Clinical and experimental studies on a new intrabronchial infusion therapy of immunopotentiator–OK–432 in lung cancer] Gose K, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Jul 20;21(6):1208–16 (Eng. Abstr.) **(Jpn)**

[Right sleeve pneumonectomy after bronchial arterial infusion in lung cancer] Masuda H, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Oct 20;21(9):2228–33 (Eng. Abstr.) **(Jpn)**

[Induction of the human tumor necrosis factor (h–TNF) by the streptococcal preparation, OK–432—a clinical trial in 10 lung cancer patients with pleural fluid] Miyai M, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Jul 20;21(6):1285–91 (Eng. Abstr.) **(Jpn)**

[A clinical study of the optimal administration method for an immunopotentiator after radiation therapy of malignant tumors] Okazaki A, et al. **Nippon Gan Chiryo Gakkai Shi** 1987 Feb 20;22(1):25–32 (Eng. Abstr.) **(Jpn)**

[A study on the application of combined treatment of Nd–YAG laser irradiation and radiotherapy in unresectable advanced lung cancer] Ono R, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Aug 20;21(7):1402–8 (Eng. Abstr.) **(Jpn)**

[Experimental evaluation of pulmonary artery embolization for the treatment of lung cancer] Inoue H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 May 25; 46(5):722–4 (Eng. Abstr.) **(Jpn)**

[Evaluation of postoperative immunochemotherapy of lung cancer] Ikeda T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Jan;35(1):1–4 (Eng. Abstr.) **(Jpn)**

[2 cases of "intrathoracic hyperthermia" as a new technic in the treatment of malignant pleural effusion] Inaoka M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Mar; 35(3):405–10 (Eng. Abstr.) **(Jpn)**

[Application of diaphragm pacing in two postoperative lung cancer patients] Kido T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Feb;35(2):260–3 (Eng. Abstr.) **(Jpn)**

[Extracorporeal systemic hyperthermia in patients with advanced pulmonary cancer] Yokoyama M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Apr;35(4):434–8 (Eng. Abstr.) **(Jpn)**

[Combined modality treatment of lung cancer: present and future] Ohta M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Nov; 24(11):1186–91 (8 ref.) (Eng. Abstr.) **(Jpn)**

[Paroxysmal hemoglobinuria following trimethoprim–sulphamethoxazole in a lung cancer case treated by radiation therapy] Kuwabara H, et al. **Nippon Naika Gakkai Zasshi** 1987 Mar;76(3):451–2 **(Jpn)**

[Photoradiation therapy (PRT). 7. Clinical study of photoradiation therapy: clinical application and efficacy. b. Lung neoplasms and bronchial neoplasms] Kato H, et al. **Nippon Rinsho** 1987 Apr;45(4):806–11 **(Jpn)**

[Laser endoscopy: diagnosis and therapy. 6. Laser endoscopy therapy of lung neoplasms] Ono R, et al. **Nippon Rinsho** 1987 Apr;45(4):856–71 (28 ref.) **(Jpn)**

[Early results of the treatment of non–small cell lung cancer using the PV3 protocol (cisplatin, vindesine and cobalt therapy)] Brzecka A, et al. **Pneumonol Pol** 1987 Mar; 55(3):115–20 (Eng. Abstr.) **(Pol)**

[Treatment of patients with small–cell lung cancer by the method of chemotherapy combined with Co–60 irradiation] Singer Z, et al. **Pol Tyg Lek** 1986 Jun 9;41(23):747–9 (Eng. Abstr.) **(Pol)**

[Current treatment of small–cell anaplastic bronchial cancer (II)] Ambăruş V. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan–Mar;90(1):27–30 (0 ref.) **(Rum)**

[Exploratory thoracotomy in lung cancer] Pantiushenko TA, et al. **Grudn Khir** 1986 Sep–Oct;(5):46–8 (Eng. Abstr.) **(Rus)**

[Activity of the glycolytic enzymes of lung cancer patients during radiation therapy combined with artificial hyperglycemia] Prokhorova VI, et al. **Lab Delo** 1987; (5):328–30 (Eng. Abstr.) **(Rus)**

[Dynamic roentgenometry and possibilities of prognosis in lung tumor response to treatment] Mikhina ZP, et al. **Med Radiol (Mosk)** 1986 Dec;31(12):32–6 **(Rus)**

[Active specific immunotherapy in patients with lung cancer following tumor removal] Mosienko MD, et al. **Vopr Onkol** 1987;33(3):31–6 (Eng. Abstr.) **(Rus)**

[Modern approach to the treatment of bronchogenic carcinoma] Dangubić V. **Vojnosanit Pregl** 1987 Jan–Feb; 44(1):51–6 (58 ref.) **(Scr)**

ULTRASTRUCTURE

Identification of cytoskeletal structures in hormone producing lung cancer cell cultures. Broers JL, et al. **Acta Histochem [Suppl] (Jena)** 1987;34:57–75

Cytoplasmic hyalins resembling Mallory's alcoholic hyalins in pulmonary carcinoma cells. Nonomura A, et al. **Acta Pathol Jpn** 1986 Nov;36(11):1669–77

Electron microscopy of biopsies from bronchogenic neoplasms. Horn T, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1987 Jul; 95(4):215–7

The extracellular matrix of pulmonary scar carcinomas is suggestive of a desmoplastic origin. Barsky SH, et al. **Am J Pathol** 1986 Sep;124(3):412–9

Immunohistochemical evaluation of pleural mesothelioma and pulmonary adenocarcinoma. A bi–institutional study of 47 cases. Otis CN, et al. **Am J Surg Pathol** 1987 Jun; 11(6):445–56

Ultrastructural analysis of experimentally induced invasion in the rat lung by tumor cells metastasizing lymphatically. Paku S, et al. **Anticancer Res** 1986 Sep–Oct;6(5):957–66

Ultrastructural morphometric studies on benign and malignant lung tumours. Wolf B, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):369–79

Primary pulmonary rhabdomyosarcoma of the lung in children. Report of two cases presenting with spontaneous pneumothorax. Allan BT, et al. **Cancer** 1987 Mar 1; 59(5):1005–11

Immunocytochemical detection of human lung cancer heterogeneity using antibodies to epithelial, neuronal, and neuroendocrine antigens. Broers JL, et al. **Cancer Res** 1987 Jun 15;47(12):3225–34

The use of electron microscopy and immunohistochemistry in the diagnosis and understanding of lung neoplasms. Hammar S. **Clin Lab Med** 1987 Mar;7(1):1–30

Heterogeneity of lung cancer: the problem of sample error in diagnostic electron microscopy. Mooi WJ, et al. **Eur J Respir Dis [Suppl]** 1987;149:45–52

Intercellular junctions and tumor stage in small cell carcinoma of the lung. Vollmer RT, et al. **Hum Pathol** 1987 Jan;18(1):22–7

Adhesiveness and morphology of Lewis lung carcinoma variants influence their sensitivity to natural killer cytolysis and their metastatic capacity. Young MR, et al. **Invasion Metastasis** 1987;7(2):96–108

Transmission electron microscopy of percutaneous fine needle aspirates from lung: a study of 70 cases. Davies DC, et al. **Thorax** 1987 Apr;42(4):296–301

Limitations of the usefulness of microvillous ultrastructure in distinguishing between carcinoma primary in and metastatic to the lung. Engstrand DA, et al. **Ultrastruct Pathol** 1987;11(1):53–8

Adenocarcinoma and large cell undifferentiated carcinoma of the lung. Hammar S. **Ultrastruct Pathol** 1987; 11(2–3):263–91

[An ultrastructural study of squamous cell carcinoma of the lung] Huang SF. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Aug;9(4):233–5, 255 (Eng. Abstr.) **(Chi)**

[Ultrastructural study of 38 cases of pulmonary carcinoma] Ji ZM. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Dec;9(6):344–7, 382 (Eng. Abstr.) **(Chi)**

[Ultrastructure research on lung small cell carcinoma] Liang CH. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1987 Feb;10(1):8–9, 61 (Eng. Abstr.) **(Chi)**

[An ultrastructural study of adenocarcinoma of the lung] Huang SF. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Dec; 15(4):279–81 (Eng. Abstr.) **(Chi)**

[An ultrastructural study of undifferentiated bronchogenic carcinoma] Huang SF. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Jun;15(2):98–101 (Eng. Abstr.) **(Chi)**

[Pulmonary adenomatosis] Mifejovský P. **Cesk Patol** 1987 Mar;23(1):11–3 (Eng. Abstr.) **(Cze)**

[Intrapulmonary chemodectoma. A new case with ultrastructural study] Fournel P, et al. **Rev Pneumol Clin** 1986;42(5):250–3 (Eng. Abstr.) **(Fre)**

[Contribution of electron microscopy to the diagnosis of pulmonary carcinoma] Trevisani L, et al. **Recenti Prog Med** 1986 Nov;77(11):532–6 (Eng. Abstr.) **(Ita)**

[Electron-microscopic study of neuroendocrine tumors of the lung] Kats VA, et al. **Arkh Patol** 1987;49(3):12–20 (Eng. Abstr.) **(Rus)**

[Characteristics of the silver-stained nucleoli of tumor cells from the pleural fluid of lung cancer patients] Mamaev NN, et al. **Tsitologiia** 1987 Mar;29(3):303–8 (Eng. Abstr.) **(Rus)**

VETERINARY

Cardiac failure in a stallion secondary to metastasis of an anaplastic pulmonary carcinoma. Dill SG, et al. **Equine Vet J** 1986 Sep;18(5):414–7

Experimental coinduction of type D retrovirus-associated pulmonary carcinoma and lentivirus-associated lymphoid interstitial pneumonia in lambs. DeMartini JC, et al. **JNCI** 1987 Jul;79(1):167–77

Malignant thymoma with multiple metastases in a mare. Furuoka H, et al. **Nippon Juigaku Zasshi** 1987 Jun; 49(3):577–9

An equine case of granular cell tumor with chondroplasia. Inoue S, et al. **Nippon Juigaku Zasshi** 1987 Jun;49(3):581–3

Bone metastasis of undifferentiated pulmonary adenocarcinoma in a cat. Jensen HE, et al. **Nord Vet Med** 1986 Sep–Oct;38(5):288–97

Neoplastic diseases of the thorax. Bell FW. **Vet Clin North Am [Small Anim Pract]** 1987 Mar; 17(2):387–409 (91 ref.)

[Pathology of primary lung cancers in cattle (description of 16 cases)] Tontis A, et al. **Schweiz Arch Tierheilkd** 1986 Dec;128(12):633–44 (Eng. Abstr.) **(Ger)**

LUNG PURPURA WITH NEPHRITIS see **GOODPASTURE'S SYNDROME**

LUNG VOLUME MEASUREMENTS

Initial mechanical ventilator settings for pediatric patients: clinical judgement in selection of tidal volume. Kanter RK, et al. **Am J Emerg Med** 1987 Mar;5(2):113–7

Functional residual capacity in healthy preschool children lying supine. Bar-Yishay E, et al. **Am Rev Respir Dis** 1987 Apr;135(4):954–6

Relationship between lung volume, maximal expiratory flow, forced expiratory volume in one second, and tracheal area in normal men and women. Hoffstein V. **Am Rev Respir Dis** 1986 Nov;134(5):956–61

Effects of volume history during spontaneous and acutely induced air-flow obstruction in asthma. Lim TK, et al. **Am Rev Respir Dis** 1987 Mar;135(3):591–6

Inductive plethysmography—a facilitated postural calibration technique for rapid and accurate tidal volume determination in low birth weight premature newborns. Stefano JL, et al. **Am Rev Respir Dis** 1986 Nov; 134(5):1020–4

Determinants of end expiratory volume in young children during ketamine or halothane anesthesia. Shulman D, et al. **Anesthesiology** 1987 May;66(5):636–40

Effect of a simulated saturation dive to 31 ATA on pulmonary function. Yamasaki M, et al. **Ann Physiol Anthropol** 1986 Oct;5(4):191–6

Effect of inspiratory volume on intrathoracic pressure generated by an L–1 maneuver. Coté R, et al. **Aviat Space Environ Med** 1986 Nov;57(11):1035–8

Variations in lung volume and compliance during pulmonary surgery. Larsson A, et al. **Br J Anaesth** 1987 May; 59(5):585–91

Is the suggested European standard for static lung volumes acceptable? [letter] Eriksson L, et al. **Bull Eur Physiopathol Respir** 1986 Sep–Oct;22(5):514–6

Utility of relating pulmonary airflow measures to total lung capacity. Hedenström H, et al. **Bull Eur Physiopathol Respir** 1986 Nov–Dec;22(6):559–64

Nitrogen and bolus closing volumes: the effect of beta-agonist bronchodilator aerosol. Hoffstein V, et al. **Bull Eur Physiopathol Respir** 1987 Jan–Feb;23(1):5–8

Continuous positive airway pressure effect on functional residual capacity, vital capacity and its subdivisions. Lindner KH, et al. **Chest** 1987 Jul;92(1):66–70

Tidal volume dead space relationship during high frequency. Fletcher R. **Eur J Anaesthesiol** 1986 Jul;3(4):332–4

Bronchoalveolar lavage on a quantitative basis? Müller B, et al. **Eur J Respir Dis [Suppl]** 1986;146:177–82

Comparison of hydrostatic weighing at residual volume and total lung capacity in pre-pubertal males. Weltman A, et al. **Hum Biol** 1987 Feb;59(1):51–7

Estimation of mechanical parameters in multicompartment models applied to normal and obstructed lungs during tidal breathing. Lutchen KR, et al. **IEEE Trans Biomed Eng** 1986 Sep;33(9):878–87

A study of lung function abnormalities in workers of cotton spinning shops. Singh SH, et al. **Indian J Physiol Pharmacol** 1986 Jan–Mar;30(1):79–84

An association between aerobic fitness and lung closing volume. Witten ML, et al. **Int J Sports Med** 1986 Oct; 7(5):271–5

Ventilatory effectiveness of high-frequency oscillation applied to the body surface. Fuyuki T, et al. **J Appl Physiol** 1987 Jun;62(6):2410–5

Expiratory volume clamping: a new method to assess respiratory mechanics in sedated infants. Grunstein MM, et al. **J Appl Physiol** 1987 May;62(5):2107–14

Partitioning of pulmonary resistance during constriction in the dog: effects of volume history. Ludwig MS, et al. **J Appl Physiol** 1987 Feb;62(2):807–15

Estimates of ventilation from body surface measurements in unrestrained subjects. McCool FD, et al. **J Appl Physiol** 1986 Sep;61(3):1114–9

Lungs under cyclic compression and expansion. Tao ZL, et al. **J Biomech Eng** 1987 May;109(2):160–2

Automated measurement of functional residual capacity by sulfur hexafluoride washout. East TD, et al. **J Clin Monit** 1987 Jan;3(1):14–21

Tidal volume changes due to the interaction of anesthesia machine and anesthesia ventilator. Gravenstein N, et al. **J Clin Monit** 1987 Jul;3(3):187–90

Diffusing lung capacity and cyclosporine in patients with heart transplants. Casan P, et al. **J Heart Transplant** 1987 Jan–Feb;6(1):54–6

Tests of small airway function in black smokers and nonsmokers. Stinson JM, et al. **J Natl Med Assoc** 1987 Jul;79(7):753–7

Pulmonary responses of black and white females. Rosentswieg J, et al. **J Sports Med Phys Fitness** 1986 Dec; 26(4):346–9

Hydrostatic weighing at residual volume and total lung capacity. Smith JF, et al. **J Sports Med Phys Fitness** 1987 Mar;27(1):17–20

Total respiratory compliance and functional residual capacity in young children. Greenough A, et al. **Pediatr Pulmonol** 1986 Nov–Dec;2(6):321–6

On the significance of lung volume for the correct interpretation of lung function measurements [letter] Haluszka J. **Pediatr Pulmonol** 1986 Sep–Oct;2(5):312–3

Determinants of the first inspiratory volume and functional residual capacity at birth. Vyas H, et al. **Pediatr Pulmonol** 1986 Jul–Aug;2(4):189–93

Effect of tidal volume on ventilation maldistribution. Crawford AB, et al. **Respir Physiol** 1986 Oct;66(1):11–25

Changes in end tidal CO2 and arterial blood gas levels after release of tourniquet. Patel AJ, et al. **South Med J** 1987 Feb;80(2):213–6

Evaluation of single breath nitrogen and rebreathing helium methods in measuring total lung capacity. Suo J, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Oct;85(10):932–40

[Pulmonary symptoms and pulmonary function among persons aged 60 to 74 years in Fredericia. Significance of duration and place of residence in the municipality] Birkebaek NH, et al. **Ugeskr Laeger** 1987 May 25; 149(22):1492–6 (Eng. Abstr.) **(Dan)**

[Noninvasive, continuous monitoring of artificial respiration in premature and newborn infants by the constant measurement of respiratory minute volume, oxygen consumption and carbon dioxide release] Leidig E, et al. **Klin Padiatr** 1986 Jul–Aug;198(4):321–5 (Eng. Abstr.) **(Ger)**

[Respiratory volume flow controlled total occlusion method, a new principle for measuring bronchial resistance] Bachert C, et al. **Prax Klin Pneumol** 1987 Apr;41(4):129–31 (Eng. Abstr.) **(Ger)**

[Expanding clinical diagnosis of lung function by hyperoxia respiration] Chowanetz W, et al. **Prax Klin Pneumol** 1986 Oct;40(10):404–10 (Eng. Abstr.) **(Ger)**

[Extensive endurance training in post-acute treatment of pleurisy. A conservative method for improving lung function and anatomic lesions] Flicker M, et al. **Prax Klin Pneumol** 1987 Jun;41(6):211–8 (Eng. Abstr.) **(Ger)**

[Geometric form of the thorax: an elliptic paraboloid] Reinert M. **Prax Klin Pneumol** 1986 Dec;40(12):470–4 (Eng. Abstr.) **(Ger)**

[Assessing the effectiveness of preventive influenza vaccination using the spirometry and electrocardiography in patients with cardiovascular diseases] Müller D, et al. **Z Gesamte Hyg** 1986 Dec;32(12):720–2 (Eng. Abstr.) **(Ger)**

[Pulmonary function and V/Q distribution in hyperthyroidism] Mori Y, et al. **Kaku Igaku** 1987 Mar; 24(3):245–50 (Eng. Abstr.) **(Jpn)**

[Standard values and prediction equations for respiratory function measurements (III). Closing volume measurements in healthy Japanese] Fujimoto J, et al. **Kokyu To Junkan** 1986 Sep;34(9):971–6 (Eng. Abstr.) **(Jpn)**

[Measurement of functional residual capacity during mechanical ventilation by multiple-breath nitrogen washout technic] Usuda Y. **Masui** 1986 Nov;35(11):1674–9 (Eng. Abstr.) **(Jpn)**

[Features of the respiration of the rat at a given tidal volume] Miniaev VI, et al. **Fiziol Zh SSSR** 1987 Mar;73(3):418–23 (Eng. Abstr.) **(Rus)**

[Use of several norms for thoracic gas volume in healthy persons] Mitić-Milikić M, et al. **Plucne Bolesti** 1986 Jul–Dec;38(3–4):273–5 (Eng. Abstr.) **(Scr)**

INSTRUMENTATION

Haloscale Infanta Wright respirometer [letter] Williams GM. **Acta Anaesthesiol Scand** 1986 Aug;30(6):490–2

Novel respiratory gas volume and flow monitor [letter] Mussell MJ. **J Biomed Eng** 1987 Apr;9(2):183–4

METHODS

Studies on regional differences in pre-inspiratory lung volume and pre-inspiratory alveolar N2 concentration by a single breath method. Fujita M. **Bull Chest Dis Res Inst Kyoto Univ** 1980 Mar;13(1–2):7–18

Radiologic total lung capacity measurement. Development and evaluation of a computer-based system. Seeley GW, et al. **Eur J Radiol** 1986 Nov;6(4):262–5

Pulmonary function tests of small airways. Hira HS. **J Assoc Physicians India** 1986 Dec;34(12):867–9

Accuracy of measured and predicted residual lung volume on body density measurement. Morrow JR Jr, et al. **Med Sci Sports Exerc** 1986 Dec;18(6):647–52

In vivo hysteresis of airspace dimensions measured by aerosol recovery. Bennett WD, et al. **Respir Physiol** 1987 Jan; 67(1):85–99

Computed tomography based estimates of regional gas and tissue volume of the lung in supine subjects with chronic airflow limitation or fibrosing alveolitis. Millar AB, et al. **Thorax** 1986 Dec;41(12):932–9

[Standard values and prediction equations for respiratory function measurements (III). Closing volume measurements in healthy Japanese] Fujimoto J, et al. **Kokyu To Junkan** 1986 Sep;34(9):971–6 (Eng. Abstr.) **(Jpn)**

[Modifications of pulmonary residual volume measuring method using closed circuit helium dilution technic] Nigorikawa T, et al. **Kokyu To Junkan** 1987 Mar; 35(3):299–303 (Eng. Abstr.) **(Jpn)**

STANDARDS

Reliability of maximal inspiratory pressure. Larson JL, et al. **Nurs Res** 1987 Sep–Oct;36(5):317–9

LUPUS

COMPLICATIONS

Esthiomene resulting from cutaneous tuberculosis of external genitalia. Naik RP, et al. **Genitourin Med** 1987 Apr; 63(2):133–4

DIAGNOSIS

An atypical case of lupus miliaris faciei simulating dermoid cyst: diagnostic and therapeutic difficulties. Case report. Edeling CJ, et al. **Scand J Plast Reconstr Surg** 1986; 20(2):235–7

[Neuropathy of the chin as an early sign of acute lymphoblastic leukemia simulating lupus (letter)] Trèves R, et al. **Rev Rhum Mal Osteoartic** 1986 Nov;53(11):669–70 **(Fre)**

DRUG THERAPY

Lupus miliaris disseminatus faciei: efficacy of isotretinoin [letter] Berbis P, et al. **J Am Acad Dermatol** 1987 Jun; 16(6):1271–2

ETIOLOGY

Skin lesions from hypersensitivity to cold during chronic myelomonocytic leukaemia. Dreno B, et al. **Br J Dermatol** 1986 Nov;115(5):607–9

BCG lupus. Raj B, et al. **Indian J Chest Dis Allied Sci** 1986 Apr–Jun;28(2):84–7

IMMUNOLOGY

HLA–DR4 and Gm 1;21 haplotypes are associated with pseudolupus induced by venopyronum dragées. Grosse–Wilde H, et al. **Arthritis Rheum** 1987 Aug; 30(8):878–83

LUPUS ERYTHEMATOSUS, CHRONIC CUTANEOUS see **LUPUS ERYTHEMATOSUS, DISCOID**

LUPUS ERYTHEMATOSUS, CUTANEOUS

CHEMICALLY INDUCED

Procainamide–induced lupus with vasculitis [letter] Jackson C, et al. **Clin Exp Rheumatol** 1986 Jul–Sep;4(3):290–2

Erythema with features of seborrheic dermatitis and lupus erythematosus associated with systemic 5–fluorouracil. Dudley K, et al. **Cutis** 1987 Jan;39(1):64–6

COMPLICATIONS

Bullous eruption in a patient with lupus erythematosus. Rock B, et al. **Arch Dermatol** 1987 Jul;123(7):938, 940–1

Severe visceral disease in subacute cutaneous lupus erythematosus. Weinstein CL, et al. **Arch Dermatol** 1987 May;123(5):638–40

Lupus erythematosus and toxic epidermal necrolysis [letter] Bielsa I, et al. **J Am Acad Dermatol** 1987 Jun;16(6):1265–7

Concurrent features of cutaneous lupus erythematosus and pemphigus erythematosus following myasthenia gravis and thymoma. Cruz PD Jr, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 2):472–80

Myelopathy in neonatal and infantile lupus erythematosus. Kaye EM, et al. **J Neurol Neurosurg Psychiatry** 1987 Jul; 50(7):923–6

[Thymoma and lupus: apropos of a case with recurrences and histological dedifferentiation] Fournel P, et al. **Rev Pneumol Clin** 1987;43(2):98–101 (Eng. Abstr.) **(Fre)**

CONGENITAL

Maternal and fetal outcome in neonatal lupus erythematosus. McCune AB, et al. **Ann Intern Med** 1987 Apr;106(4):518–23

Annular eruptions of infancy and neonatal lupus erythematosus. Kettler AH, et al. **Arch Dermatol** 1987 Mar; 123(3):298–9

Neonatal lupus erythematosus. **Pediatr Dermatol** 1986 Nov; 3(5):417–24

DIAGNOSIS

Clinical study of 30 cases of subacute cutaneous lupus erythematosus. Shi SY, et al. **Chin Med J [Engl]** 1987 Jan; 100(1):45–8

Subacute lupus erythematosus–like gyrate erythema. Report of a case associated with a breast cancer. Neumann R, et al. **Dermatologica** 1986;173(3):146–9

Clinical manifestations and laboratory data of subacute cutaneous lupus erythematosus. Molad Y, et al. **Isr J Med Sci** 1987 Apr;23(4):278–80

[Lupus erythematosus–lichen planus overlap syndrome (letter)] Martínez Martínez R, et al. **Rev Clin Esp** 1987 May; 180(9):517–8 **(Spa)**

DRUG THERAPY

[A case of disseminated miliary lupus of the face treated with dapsone] Barone M, et al. **G Ital Dermatol Venereol** 1986 Sep–Oct;121(5):375–6 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Neonatal lupus and the pathogenesis of cutaneous lupus. Lee LA, et al. **Pediatr Dermatol** 1986 Dec;3(6):491–7

FAMILIAL & GENETIC

Subacute cutaneous lupus erythematosus in multiple members of a family with C2 deficiency. Callen JP, et al. **Arch Dermatol** 1987 Jan;123(1):66–70

IMMUNOLOGY

Ultrastructural lupus band test in the skin of MRL mice. Horiguchi Y, et al. **Arch Dermatol Res** 1986;278(6):474–80

Questions pertaining to the true frequencies with which anti–Ro/SS–A autoantibody and the HLA–DR3 phenotype occur in subacute cutaneous lupus erythematosus patients. Sontheimer RD. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):130–4

Neonatal lupus syndrome [editorial] **Lancet** 1987 Aug 29; 2(8557):489–90

[Value of cutaneous immunofluorescence in the etiological diagnosis of a disease with antinuclear antibodies] Lévêque E, et al. **Ann Dermatol Venereol** 1986;113(8):655–64 (Eng. Abstr.) **(Fre)**

[Antigens of the HLA system (loci A and B) in patients with cutaneous lupus erythematosus and circumscribed scleroderma] Glavinskaia TA, et al. **Vestn Dermatol Venerol** 1987;(5):11–5 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Ultrastructural observations of skin lesions in MRL mice—dermal infiltrations and capillary changes. Horiguchi Y, et al. **J Dermatol (Tokyo)** 1986 Dec; 13(6):440–7

LUPUS ERYTHEMATOSUS, DISCOID

BLOOD

[Molecular basis of immunoregulatory disorders in man. Possible pathogenetic significance of the cyclic nucleotide system] Stenina MA, et al. **Lab Delo** 1986;(10):607–12 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Lupus like syndrome induced by 2–mercaptopropionylglycine. Katayama I, et al. **J Dermatol (Tokyo)** 1986 Apr;13(2):151–3

COMPLICATIONS

Alopecia, photosensitivity, and arthritis. Koh HK, et al. **Arch Dermatol** 1986 Dec;122(12):1435, 1438

Squamous cell carcinoma complicating discoid lupus erythematosus. Goh CL, et al. **Int J Dermatol** 1987 Mar; 26(2):110–1

Squamous cell carcinoma of the skin in black patients with discoid lupus erythematosus. Caruso WR, et al. **J Rheumatol** 1987 Feb;14(1):156–9

[Histochemical studies of the pigment disorders of chronic discoid lupus erythematosus] Dourmischev A, et al. **Dermatol Monatsschr** 1986;172(8):471–5 (Eng. Abstr.) **(Ger)**

[Coexistence of lupus tuberculosis with disseminated granuloma annulare] Kadyków M. **Przegl Dermatol** 1986 Mar–Apr;73(2):141–6 (Eng. Abstr.) **(Pol)**

[Erythematosus–carcinoma] Potekaev NS, et al. **Vestn Dermatol Venerol** 1986;(11):34–7 (Eng. Abstr.) **(Rus)**

CONGENITAL

Neonatal lupus erythematosus. **Pediatr Dermatol** 1986 Nov; 3(5):417–24

DIAGNOSIS

Hypertrophic lupus erythematosus: differentiation from squamous cell carcinoma. Vinciullo C. **Australas J Dermatol** 1986 Aug;27(2):76–82

The reliability of immunofluorescence and histopathology in the diagnosis of discoid lupus erythematosus and lichen planus. Nieboer C. **Br J Dermatol** 1987 Feb;116(2):189–98

Skin lesion resembling malignant atrophic papulosis in lupus erythematosus. Doutre MS, et al. **Dermatologica** 1987; 175(1):45–6

Subacute cutaneous lupus erythematosus. Clinical, serologic, and immunogenetic studies of forty–nine patients seen in a nonreferral setting. Callen JP, et al. **J Am Acad Dermatol** 1986 Dec;15(6):1227–37

Discoid lupus erythematosus solely involving the eyelids: report of three cases [letter] Tosti A, et al. **J Am Acad Dermatol** 1987 Jun;16(6):1259–60

Lupus [letter] Lamberts DW. **South Med J** 1987 Mar; 80(3):409

[Immunofluorescence study of the skin in lupus erythematosus] Velthuis PJ, et al. **Ned Tijdschr Geneeskd** 1986 Nov 1;130(44):1976–80 **(Dut)**

[Clinical review of the 34–year course of a discoid lupus patient with systemic manifestations] Vinogradova OM, et al. **Revmatologiia (Moskva)** 1986 Jul–Sep;(3):66–7 **(Rus)**

[Comparative study of discoid and systemic lupus erythematosus by discriminant analysis] Biriukov AV, et al. **Vestn Dermatol Venerol** 1986;(8):30–3 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Lupus profundus in children: treatment with hydroxychloroquine. Fox JN, et al. **J Am Acad Dermatol** 1987 Apr;16(4):839–44

Successful treatment of hypertrophic lupus erythematosus with isotretinoin. Green SG, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 2):364–8

ETIOLOGY

Antinuclear antibodies and photosensitivity in lupus erythematosus—relevant in PUVA therapy? [editorial] Tuffanelli DL. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):614–6

[Role of peroxidation of membrane lipids in the pathogenesis of discoid lupus erythematosus] Akimov VG. **Vestn Dermatol Venerol** 1987;(6):7–9 (Eng. Abstr.) **(Rus)**

[Role of ACTH, somatotropic hormone, cortisol and insulin in the pathogenesis of lupus erythematosus] Butov IuS, et al. **Vestn Dermatol Venerol** 1987;(3):6–10 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

HLA genotypes in a family with a case of homozygous C2 deficiency and discoid lupus erythematosus. Braathen LR, et al. **Acta Derm Venereol (Stockh)** 1986;66(5):419–22

Discoid lupus erythematosus–like skin lesions in a patient with autosomal recessive chronic granulomatous disease. Strate M, et al. **Clin Genet** 1986 Sep;30(3):184–90

Discoid lupus erythematosus and X–linked chronic granulomatous disease. Barton LL, et al. **Pediatr Dermatol** 1986 Nov;3(5):376–9

IMMUNOLOGY

Distribution of natural killer cells and lymphocyte subclasses in Jessner's lymphocytic infiltration of the skin and in cutaneous lesions of discoid and systemic lupus erythematosus. Viljaranta S, et al. **Br J Dermatol** 1987 Jun; 116(6):831–8

A comparison of the dermal lymphoid infiltrates in discoid lupus erythematosus and Jessner's lymphocytic infiltrate of the skin using the monoclonal antibody Leu 8. Ashworth J, et al. **J Cutan Pathol** 1987 Aug;14(4):198–201

[Study of T lymphocyte subpopulations in patients with lupus erythematosus using monoclonal antibodies during immunocorrective therapy] Berenbein BA, et al. **Vestn Dermatol Venerol** 1987;(3):10–3 (Eng. Abstr.) **(Rus)**

[Study of the circulating lymphocytes populations in systemic scleroderma, chronic discoid lupus erythematosus and dermatomyositis] Ramírez Bosca A, et al. **Med Cutan Ibero Lat Am** 1986;14(5):306–10 (Eng. Abstr.) **(Spa)**

METABOLISM

Immunohistochemical studies on colloid bodies (Civatte bodies) in oral lesions of discoid lupus erythematosus. Reibel J, et al. **Scand J Dent Res** 1986 Dec;94(6):536–44

PATHOLOGY

DLE changing into squamous cell carcinoma in an Indian farmer. Samar SK, et al. **Indian J Dermatol** 1985 Apr; 30(2):41–3

Immunopathology of cutaneous human lupus erythematosus defined by murine monoclonal antibodies. Andrews BS, et al. **J Am Acad Dermatol** 1986 Sep;15(3):474–81

The significance of an IgM band at the dermo–epidermal junction. Wojnarowska F, et al. **J Cutan Pathol** 1986 Oct; 13(5):359–62

Capsule dermatopathology: red, white, and ulcerated oral lesions—some considerations for the diagnostic approach. Eisenberg E. **J Dermatol Surg Oncol** 1987 Jan;13(1):21–5

[Deep skin lesions of lupus erythematosus] Morel P, et al. **Ann Med Interne (Paris)** 1986;137(4):320–3 (Eng. Abstr.) **(Fre)**

[Lupus erythematosus simulating syphilis II] Huber A, et al. **Z Hautkr** 1986 Oct 15;61(20):1483–7 (Eng. Abstr.) **(Ger)**

[A case of anetoderma associated with discoid type lupus erythematosus. Clinico–histologic and pathogenetic observations] Candio P, et al. **G Ital Dermatol Venereol** 1986 Jul–Aug;121(4):269–72 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

[Characteristics of the immune system, hypophyseo–adrenal system and cyclic nucleotide balance in patients with lupus erythematosus] Nesterenko GB, et al. **Vestn Dermatol Venerol** 1987;(6):23–7 (Eng. Abstr.) **(Rus)**

LUPUS ERYTHEMATOSUS DISSEMINATUS see **LUPUS ERYTHEMATOSUS, SYSTEMIC**

LUPUS ERYTHEMATOSUS, SUBACUTE CUTANEOUS see **LUPUS ERYTHEMATOSUS, CUTANEOUS**

LUPUS ERYTHEMATOSUS, SYSTEMIC

see related
LE CELLS

Systemic lupus erythematosus: follow–up study of 148 patients. I: Classification, clinical and laboratory findings, course and outcome. Halberg P, et al. **Clin Rheumatol** 1987 Mar;6(1):13–21

Antenatal assessment of utero–feto–placental blood velocity waveforms in a pregnant patient with severe systemic lupus erythematosus. Meizner I, et al. **Isr J Med Sci** 1987 Apr; 23(4):290–1

Proceedings of the First International Conference on Systemic Lupus Erythematosus. Calgary, Alberta, Canada, June 25–27, 1986. **J Rheumatol** 1987 Jun;14 Suppl 13:1–228

Clinical aspects of systemic lupus erythematosus in childhood. Emery H. **Pediatr Clin North Am** 1986 Oct; 33(5):1177–90

Systemic lupus erythematosus clinical issues. Stevens MB. **Springer Semin Immunopathol** 1986;9(2–3):251–70 (162 ref.)

[Lupus erythematosus, circulating anticoagulant and obstetric complications. Apropos of 2 cases] Reymond O, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(2):207–11 (Eng. Abstr.) **(Fre)**

[Lupus anticoagulant] Kornberg A, et al. **Harefuah** 1986 Jun 15;110(12):628–32 (52 ref.) **(Heb)**

[Systemic lupus erythematosus in pregnancy] Piura B, et al. **Harefuah** 1986 Dec 15;111(12):430–4 (40 ref.) **(Heb)**

[The thymus gland in systemic lupus erythematosus] Alekberova ZS, et al. **Revmatologiia (Moskva)** 1986 Jul–Sep;(3):36–41 (Eng. Abstr.) **(Rus)**

[Pregnancy in patients with lupus erythematosus] Lányi E, et al. **Cesk Gynekol** 1986 Dec;51(10):781–3 **(Slo)**

BLOOD

Circulating anticoagulant in systemic lupus erythematosus: clinical manifestations. Pauzner R, et al. **Acta Haematol (Basel)** 1986;76(2–3):90–4

Systemic lupus erythematosus presenting with hyporeninemic hypoaldosteronism in a 10–year–old girl. Kozeny GA, et al. **Am J Nephrol** 1986;6(4):321–4

The lupus anticoagulant: a confusing misnomer [letter] Golbus J, et al. **Ann Intern Med** 1987 Jun;106(6):911

Splenectomy and the thrombocytopenia of systemic lupus erythematosus [letter] Jacobs P, et al. **Ann Intern Med** 1986 Dec;105(6):971–2

The frequency of lupus anticoagulant in systemic lupus erythematosus. A study of sixty consecutive patients by activated partial thromboplastin time, Russell viper venom time, and anticardiolipin antibody level. Petri M, et al. **Ann Intern Med** 1987 Apr;106(4):524–31

Prostacyclin in systemic lupus and anticardiolipin syndrome [letter] Asherson RA, et al. **Ann Rheum Dis** 1987 May; 46(5):422–3

Low density neutrophils in patients with systemic lupus erythematosus, rheumatoid arthritis, and acute rheumatic fever. Hacbarth E, et al. **Arthritis Rheum** 1986 Nov; 29(11):1334–42

Low plasma androgens in women with systemic lupus erythematosus. Lahita RG, et al. **Arthritis Rheum** 1987 Mar; 30(3):241–8

Hypocomplementemia with low C1s–C1 inhibitor complex in systemic lupus erythematosus. Lockshin MD, et al. **Arthritis Rheum** 1986 Dec;29(12):1467–72

Species specificity of lupus–like anticoagulants. Clyne LP. **Blut** 1986 Oct;53(4):287–92

Fibrinolysis in systemic lupus erythematosus: effect of desamino D–arginine vasopressin infusion. Belch JJ, et al. **Br J Rheumatol** 1987 Aug;26(4):262–6

Serum biochemistry in rheumatoid arthritis, seronegative arthropathies, osteoarthritis, SLE and normal subjects. Sitton NG, et al. **Br J Rheumatol** 1987 Apr;26(2):131–5

A preliminary study of serum interferon in systemic lupus erythematosus and its significance. Shi SY, et al. **Chin Med J [Engl]** 1986 Mar;99(3):229–34

Decreased expression of C3b receptor (CR1) on erythrocytes of patients with systemic lupus erythematosus contrasts with its normal expression in other systemic diseases and does not correlate with the occurrence or severity of SLE nephritis. Jouvin MH, et al. **Complement** 1986;3(2):88–96

A defect of immunoregulatory T cell subsets in systemic lupus erythematosus patients demonstrated with anti–2H4 antibody. Morimoto C, et al. **J Clin Invest** 1987 Mar; 79(3):762–8

Elevated titers of cell–free interleukin 2 receptor in serum of lupus mice. Balderas RS, et al. **J Immunol** 1987 Sep 1;139(5):1496–500

Klinefelter's syndrome: hormone metabolism in hypogonadal males with systemic lupus erythematosus. Lahita RG, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:154–7

Correlation study between prolactin and androgens in male patients with systemic lupus erythematosus. Lavalle C, et al. **J Rheumatol** 1987 Apr;14(2):268–72

beta 2–Microglobulin and systemic lupus erythematosus. Yeung CK, et al. **J Rheumatol** 1986 Dec;13(6):1053–8

Differential abnormality in cell–cycle stage of peripheral B cells from patients with systemic lupus erythematosus. Hara M, et al. **Rheumatol Int** 1987;7(2):83–7

Complement activation and complement receptors in systemic lupus erythematosus. Atkinson JP. **Springer Semin Immunopathol** 1986;9(2–3):179–94 (59 ref.)

Lupus anticoagulant [letter] Jacobson DM. **Stroke** 1987 Sep–Oct;18(5):961–2

Abnormalities in the cellular phase of blood fibrinolytic activity in systemic lupus erythematosus and in venous thromboembolism. Moroz LA, et al. **Thromb Res** 1986 Sep 15;43(6):595–602

Decreased supportive function of platelets from patients with SLE on human endothelial cells. Wilke D, et al. **Z Rheumatol** 1986 Sep–Oct;45(5):277–8

[Circulating anticoagulants in systemic lupus. Apropos of 60 patients. Multicenter study conducted by the research department of the SNFMI] Le Thi Huong Du, et al. **Ann Med Interne (Paris)** 1987;138(4):246–50 **(Fre)**

[Lupus–type anticoagulants and thromboses] Sultan Y. **Ann Med Interne (Paris)** 1986;137(6):475–6 (Eng. Abstr.) **(Fre)**

[The anticoagulant of the lupus type: a thrombotic risk factor] Tobelem G. **Ann Med Interne (Paris)** 1987;138(4):243–5 **(Fre)**

[Circulating lupus–type anticoagulant, a risk factor for thrombosis by inhibition of protein C activation] Cariou R, et al. **C R Acad Sci [III]** 1986;303(4):113–8 (Eng. Abstr.) **(Fre)**

[Characteristic parameters of the population of circulating DNA in cases of disseminated lupus erythematosus] Willcox G, et al. **Pathol Biol (Paris)** 1986 Nov;34(9):983–7 (Eng. Abstr.) **(Fre)**

[Endothelial cell proliferation in vitro induced by sera of patients with progressive systemic sclerosis and systemic lupus erythematosus] Oepke GH, et al. **Immun Infekt** 1987 Apr;15(2):78–9 (Eng. Abstr.) **(Ger)**

[Stepwise extraction of the blood lipids of rheumatoid arthritis and systemic lupus erythematosus patients] Bagirova GG. **Lab Delo** 1987;(3):215–7 (Eng. Abstr.) **(Rus)**

[Molecular basis of immunoregulatory disorders in man. Possible pathogenetic significance of the cyclic nucleotide system] Stenina MA, et al. **Lab Delo** 1986;(10):607–12 (Eng. Abstr.) **(Rus)**

[Thrombotic phenomena and lupus anticoagulant in a series of 112 patients with systemic lupus erythematosus] Ordi Ros J, et al. **Rev Clin Esp** 1987 Feb;180(2):66–70 (Eng. Abstr.) **(Spa)**

[T–4, T–8 and NK lymphocyte subpopulations in patients with ankylosing spondylitis] Sánchez Bursón JM, et al. **Rev Clin Esp** 1987 Feb;180(2):74–6 (Eng. Abstr.) **(Spa)**

[Study of "lupus–type" anticoagulant using diluted Russell's viper venom time. Study of 16 patients] Pardo Vigo A, et al. **Sangre (Barc)** 1987;32(2):231–5 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Side–effects in long–term treatment with hydralazine. Widgren B, et al. **Acta Med Scand [Suppl]** 1986;714:193–6

Systemic vasculitis resembling periarteritis nodosa in the lupus–like syndrome induced by hydralazine. Martinez–Vea A, et al. **Am J Nephrol** 1987;7(1):71–3

Procainamide, N–acetylprocainamide, antinuclear antibody and systemic lupus erythematosus. Reidenberg MM, et al. **Angiology** 1986 Dec;37(12 Pt 2):968–71

Minoxidil–induced systemic lupus erythematosus. Tunkel AR, et al. **Arch Intern Med** 1987 Mar;147(3):599–600

Autoantigenic histone epitopes: a comparison between procainamide– and hydralazine–induced lupus. Craft JE, et al. **Arthritis Rheum** 1987 Jun;30(6):689–94

Drug–induced lupus–like syndromes in children. Miller JJ 3d. **Arthritis Rheum** 1977 Mar;20(2 Suppl):308–11

Cadralazine did not produce the SLE–syndrome when hydralazine did [letter] Andersson OK. **Eur J Clin Pharmacol** 1987;31(6):741

Domperidone–induced systemic lupus–like syndrome. Yasue T, et al. **J Dermatol (Tokyo)** 1986 Aug;13(4):293–6

A case of drug induced lupus due to carbamazepine. Alballa S, et al. **J Rheumatol** 1987 Jun;14(3):599–600

[Subacute cutaneous lupus observed during treatment with thiazide diuretics] Berbis P, et al. **Ann Dermatol Venereol** 1986;113(12):1245–8 **(Fre)**

[Systemic lupus erythematosus diagnosed after 12 years' treatment with procainamide (letter)] Harlé JR, et al. **Ann Med Interne (Paris)** 1986;137(7):599–601 **(Fre)**

[Tuberculostatics–induced systemic lupus erythematosus] Layer P, et al. **Dtsch Med Wochenschr** 1986 Oct 17; 111(42):1603–5 (Eng. Abstr.) **(Ger)**

[Systemic lupus erythematosus induced by d–penicillamine in Wilson's disease: apropos of a case] López–Guerra N, et al. **Med Clin (Barc)** 1987 Apr 4;88(13):552–4 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

[Clinical and laboratory parameters in patients with systemic lupus erythematosus. Elaboration of a preliminary index of activity of the disease] Yoshinari NH, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 May–Jun; 41(3):99–102 (Eng. Abstr.) **(Por)**

[Subgroups of systemic lupus erythematosus in animals and humans] Polomeeva OM. **Ter Arkh** 1986;58(7):141–5 (69 ref.) **(Rus)**

COMPLICATIONS

Systemic lupus erythematosus with rectal stenosis simulating tumour or diverticulosis. Case report. Palvio DH, et al. **Acta Chir Scand** 1987 Jan;153(1):63–5

Cerebral vasculitis as presenting symptom of systemic lupus erythematosus. Sanders EA, et al. **Acta Neurol Scand** 1986 Jul;74(1):75–7

Coronary atherosclerosis in patients with systemic lupus erythematosus at autopsy. Fukumoto S, et al. **Acta Pathol Jpn** 1987 Jan;37(1):1–9

Acute impairment of renal function in systemic lupus erythematosus. Coratelli P, et al. **Adv Exp Med Biol** 1987; 212:225–31

An unusual CT appearance of lupus cerebritis. Marsteller LP, et al. **AJNR** 1987 Jul–Aug;8(4):737–9

Infected acute myocardial infarct with rupture in systemic lupus erythematosus. Cunningham MJ, et al. **Am J Cardiol** 1987 Feb 15;59(5):488–9

Systemic lupus erythematosus and sickle hemoglobinopathies: a report of two cases and review of the literature. Katsanis E, et al. **Am J Hematol** 1987 Jun;25(2):211–4

Systemic lupus erythematosus and myelofibrosis. Kaelin WG Jr, et al. **Am J Med** 1986 Nov;81(5):935–8

Development of hypogammaglobulinemia in a patient with systemic lupus erythematosus. Tsokos GC, et al. **Am J Med** 1986 Dec;81(6):1081–4

Lupus anticoagulant, thrombosis and thrombocytopenia in systemic lupus erythematosus. Averbuch M, et al. **Am J Med Sci** 1987 Jan;293(1):2–5

Legionella pneumophila lung abscess in a patient with systemic lupus erythematosus. Senécal JL, et al. **Am J Med Sci** 1987 May;293(5):309–14

Nifedipine in the treatment of hypertension in systemic lupus erythematosus. Bursztyn M, et al. **Angiology** 1987 May; 38(5):359–62

Coincidence of familial systemic lupus erythematosus and the fragile X syndrome. Belghiti D, et al. **Ann Genet (Paris)** 1986;29(4):261–3

Systemic lupus erythematosus, pulmonary hypertension, and left recurrent laryngeal nerve palsy. Aszkenasy OM, et al. **Ann Rheum Dis** 1987 Mar;46(3):246–7

Thyroid disorders in systemic lupus erythematosus [letter] Byron MA, et al. **Ann Rheum Dis** 1987 Feb;46(2):174–5

Refractory massive pleural effusion in systemic lupus erythematosus treated by pleurectomy. Elborn JS, et al. **Ann Rheum Dis** 1987 Jan;46(1):77–80

Thyroid disorders in systemic lupus erythematosus are associated with secondary Sjögren's syndrome [letter] Jonsson H, et al. **Ann Rheum Dis** 1987 Apr;46(4):349

Pulmonary hypertension, systemic lupus erythematosus, and the contraceptive pill: another report. Miller MH. **Ann Rheum Dis** 1987 Feb;46(2):159–61

Alopecia, photosensitivity, and arthritis. Koh HK, et al. **Arch Dermatol** 1986 Dec;122(12):1435, 1438

Severe visceral disease in subacute cutaneous lupus erythematosus. Weinstein CL, et al. **Arch Dermatol** 1987 May;123(5):638–40

Multiple thromboses in systemic lupus erythematosus. Appan S, et al. **Arch Dis Child** 1987 Jul;62(7):739–41

The Eaton–Lambert (myasthenic) syndrome in association with systemic lupus erythematosus. Hughes RL, et al. **Arch Neurol** 1986 Nov;43(11):1186–7

A maternal death due to thrombotic disease associated with anticardiolipin antibody. Bendon RW, et al. **Arch Pathol Lab Med** 1987 Apr;111(4):370–2

Myocardial infarction in systemic lupus erythematosus and "lupus–like" disease [letter]Asherson RA, et al. **Arthritis Rheum** 1986 Oct;29(10):1292–3

Intrauterine therapy for presumptive fetal myocarditis with acquired heart block due to systemic lupus erythematosus. Experience in a mother with a predominance of SS–B (La) antibodies. Buyon JP, et al. **Arthritis Rheum** 1987 Jan; 30(1):44–9

Lupus nephritis and encephalopathy. Prognosis in 58 children. Cassidy JT, et al. **Arthritis Rheum** 1977 Mar;20(2 Suppl):315–22

Myelitis in systemic lupus erythematosus [letter] de Brum–Fernandes AJ, et al. **Arthritis Rheum** 1987 Feb; 30(2):238–9

Combined pure red cell aplasia and primary autoimmune hypothyroidism in systemic lupus erythematosus [letter] Franzén P, et al. **Arthritis Rheum** 1987 Jul;30(7):839–40

Congenital cytomegalovirus infection and maternal systemic lupus erythematosus: a case report. Jones MM, et al. **Arthritis Rheum** 1986 Nov;29(11):1402–4

Lupus vasculitis with tibial artery thrombosis and gangrene [letter] Kaufman JL, et al. **Arthritis Rheum** 1986 Oct; 29(10):1291–2

Transverse myelitis and optic neuritis in systemic lupus erythematosus: a case report with magnetic resonance imaging findings. Kenik JG, et al. **Arthritis Rheum** 1987 Aug;30(8):947–50

Microheterogeneity of alpha 1–acid glycoprotein in the detection of intercurrent infection in systemic lupus erythematosus. Mackiewicz A, et al. **Arthritis Rheum** 1987 May;30(5):513–8

Anti–SS–A antibodies and fetal outcome in maternal systemic lupus erythematosus. Ramsey–Goldman R, et al. **Arthritis Rheum** 1986 Oct;29(10):1269–73

Prognostic factors in childhood systemic lupus erythematosus. Wedgwood RJ. **Arthritis Rheum** 1977 Mar; 20(2 Suppl):295–8

Systemic lupus erythematosus in pregnancy in Hong Kong Chinese. Yu A, et al. **Asia Oceania J Obstet Gynaecol** 1986 Sep;12(3):321–6

Pseudomonas pseudomallei (melioidosis): acute septicemia and meningitis in patient with systemic lupus erythematosus. Christenson–Bravo B, et al. **Bol Asoc Med PR** 1986 Aug;78(8):347–9

Papular and nodular mucinosis associated with systemic lupus erythematosus. Rongioletti F, et al. **Br J Dermatol** 1986 Nov;115(5):631–6

Gout and hyperuricaemia in systemic lupus erythematosus. Frocht A, et al. **Br J Rheumatol** 1987 Aug;26(4):303–6

Painful, swollen calf in a patient with SLE [letter] Reilly PA, et al. **Br J Rheumatol** 1987 Aug;26(4):319–20

Acute gastrointestinal manifestations of systemic lupus erythematosus. Jovaisas A, et al. **Can J Surg** 1987 May; 30(3):185–8

A case of fulminant systemic lupus erythematosus complicated by severe aspergillar septicemia confirmed by pathologic findings. Wang QL, et al. **Chin Med J [Engl]** 1986 Jun;99(6):493–7

Systemic lupus erythematosus in children. Chen JH, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1987 Feb;20(1):23–8

Successfully treated splenic abscess in a systemic lupus erythematosus patient. A case report and review of the literature. Andonopoulos AP, et al. **Clin Exp Rheumatol** 1986 Jul–Sep;4(3):269–71 (8 ref.)

Mitral valve prolapse in systemic lupus erythematosus. Barzizza F, et al. **Clin Exp Rheumatol** 1987 Jan–Mar;

5(1):59–62
Proptosis and systemic lupus erythematosus [letter] Fossaluzza V, et al. **Clin Exp Rheumatol** 1987 Apr–Jun; 5(2):192–3
Jaccoud's arthropathy and hypermobility syndrome in systemic lupus erythematosus [letter] Lioté F, et al. **Clin Exp Rheumatol** 1987 Apr–Jun;5(2):186–7
Systemic lupus erythematosus and endocarditis [letter] Waisman G, et al. **Clin Exp Rheumatol** 1986 Jul–Sep; 4(3):292–4
Klinefelter's syndrome and lupus erythematosus: report of a case. Dugernier T, et al. **Clin Rheumatol** 1987 Mar; 6(1):84–7
Systemic lupus erythematosus in childhood and adolescence—the problem, epidemiology, incidence, susceptibility, genetics, and prognosis. Kaufman DB, et al. **Curr Probl Pediatr** 1986 Oct;16(10):545–625
Pemphigus erythematosus: a unique association with systemic lupus erythematosus. Ngo AW, et al. **Cutis** 1986 Sep; 38(3):160–3
Coexistent leprosy and lupus erythematosus. Posner DI, et al. **Cutis** 1987 Feb;39(2):136–8
Portal and pulmonary hypertension in a case of systematic lupus erythematosus: possible relationship with a clotting abnormality. Mackworth-Young CG, et al. **Eur J Rheumatol Inflamm** 1984;7(3):71–4
Systemic lupus erythematosus presenting with recurrent acute demyelinating polyneuropathy. Millette TJ, et al. **Eur Neurol** 1986;25(6):397–402
Giant pulmonary cavity associated with systemic lupus erythematosus. Raj B, et al. **Indian J Chest Dis Allied Sci** 1986 Jan–Mar;28(1):46–9
Systemic lupus erythematosus appearing as an urticarial vasculitis. Matarredona J, et al. **Int J Dermatol** 1986 Sep; 25(7):446–8
Leukonychia striata associated with systemic lupus erythematosus [letter] Friedman SJ. **J Am Acad Dermatol** 1986 Sep;15(3):536–8
Systemic lupus erythematosus with panniculitis—(lupus profundus). Alexander T, et al. **J Assoc Physicians India** 1986 Jun;34(6):439–40
Rupture of Achilles tendon in a case of systemic lupus erythematosus. Borges NE, et al. **J Assoc Physicians India** 1986 Aug;34(8):593–4
Hip arthroplasty in patients with systemic lupus erythematosus. Hanssen AD, et al. **J Bone Joint Surg [Am]** 1987 Jul;69(6):807–14
Bilateral internuclear ophthalmoplegia in systemic lupus erythematosus. Cogen MS, et al. **J Clin Neuro Ophthalmol** 1987 Jun;7(2):69–73
A case of association between type I hyperlipoproteinemia and systemic lupus erythematosus (SLE). Effects of steroid treatment. Pauciullo P, et al. **J Endocrinol Invest** 1986 Dec; 9(6):517–20
ECG of the month. Non-specific T wave changes. Martinez-Lopez JI. **J La State Med Soc** 1986 Dec; 138(12):11, 13–4
Systemic lupus erythematosus in child with autoimmune thrombocytopenic purpura and circulating lupus anticoagulant. Davies SM, et al. **J R Soc Med** 1987 Mar; 80(3):186
Fetal viral myocarditis and congenital complete heart block in a pregnancy complicated by systemic lupus erythematosus. A case report. Repke JT, et al. **J Reprod Med** 1987 Mar;32(3):217–20
Large vessel occlusion and gangrene in systemic lupus erythematosus and "lupus-like" disease. A report of six cases. Asherson RA, et al. **J Rheumatol** 1986 Aug; 13(4):740–7
Hepatitis B virus infection and liver function in patients with systemic lupus erythematosus. Bonafede RP, et al. **J Rheumatol** 1986 Dec;13(6):1050–2
Pseudotumor cerebri and childhood systemic lupus erythematosus. DelGiudice GC, et al. **J Rheumatol** 1986 Aug;13(4):748–52
Multiple osteonecrotic lesions in systemic lupus erythematosus. Fishel B, et al. **J Rheumatol** 1987 Jun; 14(3):601–4
Subdural hematoma in systemic lupus erythematosus: report and review of the literature. Futran J, et al. **J Rheumatol** 1987 Apr;14(2):378–81
Early diagnosis of osteonecrosis in systemic lupus erythematosus with magnetic resonance imaging. Failure of core decompression. Ganczarczyk ML, et al. **J Rheumatol** 1986 Aug;13(4):814–7
Bilateral internuclear ophthalmoplegia in systemic lupus erythematosus. Jackson G, et al. **J Rheumatol** 1986 Dec; 13(6):1161–2
Disappearance of clinical and biological evidence of SLE after removal of an ovarian seminoma: 21 years' followup [letter] Kahn MF, et al. **J Rheumatol** 1986 Aug;13(4):833–4
Intraperitoneal hemorrhage associated with systemic lupus erythematosus [letter] Korbet SM, et al. **J Rheumatol** 1987 Apr;14(2):398–400
Antibody to cardiolipin, lupus anticoagulant, and fetal death. Lockshin MD, et al. **J Rheumatol** 1987 Apr;14(2):259–62
Laryngeal manifestations of drug induced lupus. Maxwell D, et al. **J Rheumatol** 1987 Apr;14(2):375–7
Prospective study of pregnancy in systemic lupus erythematosus. Results of a multidisciplinary approach. Mintz G, et al. **J Rheumatol** 1986 Aug;13(4):732–9
Dural sinus thrombosis: a mechanism for pseudotumor cerebri in systemic lupus erythematosus. Parnass SM, et al. **J Rheumatol** 1987 Feb;14(1):152–5
Acute abdomen in systemic lupus erythematosus with spontaneous hemoperitoneum [letter] Sonpal GM, et al. **J Rheumatol** 1987 Jun;14(3):636–7
A case of hereditary angioneurotic edema associated with systemic lupus erythematosus. Suzuki Y, et al. **Jpn J Med** 1986 Aug;25(3):281–7
The value of echocardiography in the early diagnosis of myocardial impairment due to connective tissue diseases. Branea I, et al. **Med Interne** 1986 Jul–Sep;24(3):197–205
Transverse myelopathy and hyperphagia in systemic lupus erythematosus: a case report. Chong Yew Hock, et al. **Med J Malaysia** 1985 Dec;40(4):333–4
Fatal infections in systemic lupus erythematosus: the role of opportunistic organisms. Hellmann DB, et al. **Medicine (Baltimore)** 1987 Sep;66(5):341–8
The neurological manifestations of systemic lupus erythematosus. Johnson RT, et al. **Medicine (Baltimore)** 1968 Jul;47(4):337–69
Neuropsychiatric manifestations of systemic lupus erythematosus [editorial] Bluestein HG. **N Engl J Med** 1987 Jul 30;317(5):309–11
Association between lupus psychosis and anti-ribosomal P protein antibodies. Bonfa E, et al. **N Engl J Med** 1987 Jul 30;317(5):265–71
Abnormal antidiuretic hormone secretion in patients with systemic lupus erythematosus. Trachtman H, et al. **Nephron** 1987;46(1):67–72
Acute disseminated intravascular coagulation as a complication of systemic lupus erythematosus. Kerr LD, et al. **NY State J Med** 1987 Mar;87(3):181–3
Systemic lupus erythematosus: a consideration for antimicrobial prophylaxis. Zysset MK, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jul;64(1):30–4 (42 ref.)
Acute pancreatitis in systemic lupus erythematosus. Bruijn JA, et al. **Scand J Rheumatol** 1986;15(4):363–7
Symptomatic secondary Sjögren's syndrome in patients with systemic lupus erythematosus (SLE). Relation to anti-SS-A and anti-SS-B autoantibodies. Jonsson H, et al. **Scand J Rheumatol [Suppl]** 1986;61:166–9
Systemic lupus erythematosus and angioimmunoblastic lymphadenopathy: case report and review of the literature. Rosenstein ED, et al. **Semin Arthritis Rheum** 1986 Nov; 16(2):146–51
Periosteal reaction in systemic lupus erythematosus. Glickstein M, et al. **Skeletal Radiol** 1986;15(8):610–2
Cardiac tamponade in systemic lupus erythematosus: an unusual initial manifestation. Kelly TA. **South Med J** 1987 Apr;80(4):514–6
Lupus diseases associated with hereditary and acquired deficiencies of complement. Agnello V. **Springer Semin Immunopathol** 1986;9(2–3):161–78 (103 ref.)
Immunopathogenesis of the neuropsychiatric manifestations of systemic lupus erythematosus. Bluestein HG, et al. **Springer Semin Immunopathol** 1986;9(2–3):237–49 (70 ref.)
Ruptured cerebral aneurysms in patients with systemic lupus erythematosus. Hashimoto N, et al. **Surg Neurol** 1986 Nov; 26(5):512–6
Total hip arthroplasty in patients with systemic lupus erythematosus. Chen PG, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Mar;86(3):299–306
[Ocular findings in systemic lupus erythematosus] Chen H. **Chung Hua Yen Ko Tsa Chih** 1986 Nov;22(6):343–5 (Eng. Abstr.) **(Chi)**
[The importance of the current use of pyrophosphate scintigraphy and other noninvasive methods in the detection of cardiac damage in systemic lupus erythematosus] Duška F, et al. **Cas Lek Cesk** 1986 Sep 26;125(38–39):1216–9 (Eng. Abstr.) **(Cze)**
[Leg ulcer in disseminated lupus erythematosus. Apropos of a case] Grob JJ, et al. **Ann Dermatol Venereol** 1986; 113(9):819–23 **(Fre)**
[Subacute meningococcal septicemia and temporary deficiency in complement factor C4 in lupus disease in an outbreak (letter)] Delrieu F, et al. **Ann Med Interne (Paris)** 1987;138(4):316–7 **(Fre)**
[Caval thromboses and systemic diseases] Fassin D, et al. **Ann Med Interne (Paris)** 1986;137(6):456–60 (Eng. Abstr.) **(Fre)**
[Double valve replacement in a 30-year-old man with acute systemic lupus erythematosus] Gryman R, et al. **Ann Med Interne (Paris)** 1987;138(2):105–8 (Eng. Abstr.) **(Fre)**
[Toxoplasmosis and lupus. A review of the literature apropos of 4 cases] Wechsler B, et al. **Ann Med Interne (Paris)** 1986; 137(4):324–30 (Eng. Abstr.) **(Fre)**
[Congenital auriculo-ventricular block] Prigent F. **Ann Pediatr (Paris)** 1987 Mar;34(3):254 **(Fre)**
[Hereditary deficiency of the 4th component of complement (C4) associated with a lupic syndrome] Dumas R, et al. **Arch Fr Pediatr** 1986 Apr;43(4):267–9 (Eng. Abstr.) **(Fre)**
[Ascites disclosing systemic lupus erythematosus] Andréani T, et al. **Gastroenterol Clin Biol** 1986 Dec;10(12):845–7 (Eng. Abstr.) **(Fre)**
[Diffuse nodular regenerative hyperplasia of the liver and disseminated lupus erythematosus (letter)] Guitton P, et al. **Gastroenterol Clin Biol** 1987 Jan;11(1):102–3 **(Fre)**
[Encysted lupus pericarditis manifested by a right ventricular obstruction (letter)] Nony P, et al. **Presse Med** 1987 May 30;16(20):1010 **(Fre)**
[Ischemic colitis and disseminated lupus erythematosus. Value of corticosteroid treatment (letter)] Einhorn S, et al. **Rev Rhum Mal Osteoartic** 1986 Nov;53(11):669 **(Fre)**
[Gangrene of the forefoot in disseminated lupus erythematosus with involvement of the large arteries of the extremity] Meske S, et al. **Med Klin** 1986 Oct 31; 81(22):726–30 **(Ger)**
[Hemolytic uremic syndrome following juvenile lupus erythematodes disseminatus] Künzer W, et al. **Monatsschr Kinderheilkd** 1986 Sep;134(9):696–700 (Eng. Abstr.) **(Ger)**
[Avascular necrosis of the mandibular condyle in systemic lupus erythematosus] Szántó D, et al. **Orv Hetil** 1986 Dec 28;127(52):3187–90 (Eng. Abstr.) **(Hun)**
[Aseptic osteonecrosis in systemic lupus erythematosus. Case contributions] Govoni M, et al. **G Clin Med** 1986 Aug; 67(4):219–22 (Eng. Abstr.) **(Ita)**
[Syncopal attacks caused by paroxysmal atrioventricular block in patients with systemic lupus erythematosus] Bobba F, et al. **Minerva Med** 1986 Sep 22;77(36):1643–5 (Eng. Abstr.) **(Ita)**
[A case report of angiosarcoma of the breast] Tamura G, et al. **Gan No Rinsho** 1987 Aug;33(9):1085–9 (Eng. Abstr.) **(Jpn)**
[A possible role of T cell subsets causing anemia in systemic lupus erythematosus (SLE)] Koyanagawa Y. **Hokkaido Igaku Zasshi** 1987 May;62(3):370–80 (Eng. Abstr.) **(Jpn)**
[Myocardial infarction due to thrombi in coronary aneurysms in a young woman with systemic lupus erythematosus] Kurokawa H, et al. **J Cardiogr** 1986 Mar;16(1):249–58 (Eng. Abstr.) **(Jpn)**
[Infection in systemic lupus erythematosus] Kusaba T, et al. **Kansenshogaku Zasshi** 1986 Dec;60(12):1334–8 (Eng. Abstr.) **(Jpn)**
[A case of successful reoperation in corrected transposition of great arteries complicated by systemic lupus erythematosus] Koike R, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Sep;34(9):1709–14 (Eng. Abstr.) **(Jpn)**
[Valve replacement for aortic incompetence due to Libman-Sacks endocarditis] Morishita K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Apr;35(4):538–42 (Eng. Abstr.) **(Jpn)**
[An autopsy case of systemic lupus erythematosus complicated by pulmonary hemorrhage] Asano Y, et al. **Nippon Naika Gakkai Zasshi** 1987 Mar;76(3):436–40 **(Jpn)**
[A case of 21-year-old man with selective IgA deficiency, complicated with systemic lupus erythematosus and papillary adenocarcinoma of thyroid gland] Kanoh T, et al. **Nippon Naika Gakkai Zasshi** 1987 Apr;76(4):533–6 **(Jpn)**
[A case of idiopathic portal hypertension supervening on SLE (systemic lupus erythematosus)—a study on the possible role of SLE in the pathogenesis of IPH] Kato M, et al. **Nippon Naika Gakkai Zasshi** 1986 Dec;75(12):1836–40 **(Jpn)**
[A case of systemic lupus erythematosus with renal vein thrombosis as the initial manifestation] Miyachi H, et al. **Nippon Naika Gakkai Zasshi** 1986 Jul;75(7):964–8 **(Jpn)**
[An autopsy case of systemic lupus erythematosus with a complication of Budd-Chiari syndrome caused by inferior vena cava obstruction] Taniguchi S, et al. **Nippon Naika Gakkai Zasshi** 1986 Oct;75(10):1418–22 **(Jpn)**
[A case of systemic lupus erythematosus with esophageal mucosal bridge] Itano T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Dec; 83(12):2598–601 **(Jpn)**
[A patient with asymptomatic primary biliary cirrhosis in association with Sjögren syndrome developing features of systemic lupus erythematosus] Seki S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov;83(11):2445–9 **(Jpn)**
[A case of systemic lupus erythematosus associated with multiple intracranial aneurysms] Nagayasu S, et al. **No Shinkei Geka** 1986 Sep;14(10):1251–5 (Eng. Abstr.) **(Jpn)**
[The coexistence of systemic lupus erythematosus and psoriatic arthritis] Ohmoto A, et al. **Ryumachi** 1986 Aug; 26(4):278–83 (Eng. Abstr.) **(Jpn)**
[Systemic lupus erythematosus with spinal cord involvement] Sato T, et al. **Ryumachi** 1986 Oct;26(5):344–52 (Eng. Abstr.) **(Jpn)**
[Multiple thrombosis in an identical twin with systemic lupus erythematosus] Watanabe I, et al. **Ryumachi** 1986 Jun; 26(3):173–8 (Eng. Abstr.) **(Jpn)**
[Systemic lupus erythematosus with glomerulonephritis] Brekken K, et al. **Tidsskr Nor Laegeforen** 1986 Nov 30; 106(33):2841–4 (Eng. Abstr.) **(Nor)**
[A case of severe hypothyroidism in systemic lupus erythematosus] Zielińska T, et al. **Wiad Lek** 1986 Nov 1; 39(21):1488–90 (Eng. Abstr.) **(Pol)**
[Stevens-Johnson syndrome in systemic lupus erythematosus in children] Riabova TV, et al. **Pediatriia** 1986 Sep; (9):59–61 **(Rus)**
[A case of recurrent exudative pleurisy as the onset of systemic lupus erythematosus] Mosin VO. **Ter Arkh** 1987; 59(4):139 **(Rus)**
[Exacerbation of lupus erythematosus during treatment by

the reinfusion of UV-irradiated blood] Reznikova MM, et al. **Vestn Dermatol Venerol** 1986;(7):51–2 (Eng. Abstr.) **(Rus)**

[C-reactive protein as an auxiliary method in the diagnosis of concurrent infection in children with systemic lupus erythematosus and acute leukemia] Durán Chávez C. **Alergia** 1986 Jul–Sep;33(3):61–4 (Eng. Abstr.) **(Spa)**

[Visceral leishmaniasis in systemic lupus erythematosus] Altozano JG, et al. **Med Clin (Barc)** 1987 Mar 14; 88(10):417–8 (Eng. Abstr.) **(Spa)**

[Value of captopril in systemic lupus erythematosus with arterial hypertension and renal insufficiency (letter)] Cervera R, et al. **Med Clin (Barc)** 1987 Jun 13;89(3):129–30 **(Spa)**

[Anticardiolipin antibodies and thrombosis in systemic lupus erythematosus (letter)] Font J, et al. **Med Clin (Barc)** 1987 May 30;89(1):41 **(Spa)**

[Thrombocytopenia, pregnancy and systemic lupus erythematosus (letter)] Gil A, et al. **Med Clin (Barc)** 1987 Jul 4;89(6):259–60 **(Spa)**

[Severe thrombocytopenia in a pregnant patient with systemic lupus erythematosus (letter)] Molina Boix M, et al. **Med Clin (Barc)** 1986 Oct 4;87(10):435 **(Spa)**

[Psychiatric manifestations of systemic lupus erythematosus and its prevalence in mental patients (letter)] Seguí J, et al. **Med Clin (Barc)** 1987 May 30;89(1):37 **(Spa)**

[Lupus crisis versus cytomegalovirus infection. The role of digestive endoscopy in the differential diagnosis] Serra A, et al. **Med Clin (Barc)** 1987 Jan 10;88(1):25–7 (Eng. Abstr.) **(Spa)**

[Lupus–pemphigus] Gimeno Carpio E, et al. **Med Cutan Ibero Lat Am** 1986;14(6):401–5 (Eng. Abstr.) **(Spa)**

[Foot gangrene and occlusion of the great vessels of the leg secondary to systemic lupus erythematosus with vasculitis] Bernabó JG, et al. **Medicina (B Aires)** 1986;46(2):209–12 (Eng. Abstr.) **(Spa)**

[Avascular necrosis in systemic lupus erythematosus] Linares LF, et al. **Rev Clin Esp** 1987 Feb;180(2):71–3 (Eng. Abstr.) **(Spa)**

[Annular purpura in systemic lupus erythematosus (letter)] Vázquez López F, et al. **Rev Clin Esp** 1986 Nov; 179(7):384–5 **(Spa)**

[Pulmonary involvement in systemic lupus erythematosus] Grisanti M. **Rev Med Chil** 1986 Sep;114(9):896–900 (Eng. Abstr.) **(Spa)**

[Thrombotic thrombocytopenic purpura in a patient with systemic lupus erythematosus] Obeso Fernández G, et al. **Sangre (Barc)** 1987;32(1):83–7 (Eng. Abstr.) **(Spa)**

CONGENITAL

Neonatal lupus erythematosus, late onset hypocalcaemia, and recurrent seizures. Moudgil A, et al. **Arch Dis Child** 1987 Jul;62(7):736–9

Neonatal lupus erythematosus with congenital heart block associated with maternal systemic lupus erythematosus. Houssiau FA, et al. **Clin Rheumatol** 1986 Dec;5(4):505–8

Neonatal lupus syndrome. Watson R. **Pediatr Ann** 1986 Sep; 15(9):605, 609, 612–3 passim

[Neonatal lupus erythematosus: complete atrioventricular block and SSA/Ro antibodies] Prados R, et al. **An Esp Pediatr** 1987 Jun;26(6):449–51 (Eng. Abstr.) **(Spa)**

[Lupus erythematosus of the newborn infant and antibodies of the SS-A/Ro type] Arroyave CM. **Bol Med Hosp Infant Mex** 1986 Sep;43(9):585–9 (Eng. Abstr.) **(Spa)**

[Neonatal lupus erythematosus: complete atrioventricular block] González B, et al. **Rev Chil Pediatr** 1986 Jan–Feb; 57(1):61–3 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Disseminated zygomycosis masquerading as cerebral lupus erythematosus. Wong KL, et al. **Am J Clin Pathol** 1986 Oct;86(4):546–9

Systemic lupus erythematosus presenting as polymyalgia rheumatica [letter] Foley J. **Ann Rheum Dis** 1987 Apr; 46(4):351

Complete heart block as the initial manifestation of systemic lupus erythematosus. Maier WP, et al. **Arch Intern Med** 1987 Jan;147(1):170–1

Systemic lupus erythematosus and the family doctor. Littlejohn GO, et al. **Aust Fam Physician** 1986 Oct; 15(10):1283–5, 1289, 1291

Nailfold capillaroscopy: a blinded study of its discriminatory value in scleroderma, systemic lupus erythematosus, and rheumatoid arthritis. McGill NW, et al. **Aust NZ J Med** 1986 Aug;16(4):457–60

Immunopathologic diagnosis of oral mucosal inflammatory diseases. Rogers RS 3d, et al. **Australas J Dermatol** 1986 Aug;27(2):51–7

The use of the dilute Russell viper venom time for the diagnosis of lupus anticoagulants. Thiagarajan P, et al. **Blood** 1986 Oct;68(4):869–74

Severe spirometric defects in systemic lupus erythematosus. A possible role for bronchoalveolar lavage and gallium scanning. Lin RY. **Clin Rheumatol** 1987 Jun;6(2):276–81

Clinical significance of antibodies to double stranded DNA (dsDNA) for systemic lupus erythematosus (SLE). Swaak T, et al. **Clin Rheumatol** 1987 Jun;6 Suppl 1:56–73 (33 ref.)

A comparison of three anti-double stranded DNA antibody assays on sera from SLE and other diseases. Clarke MC, et al. **Diagn Immunol** 1986;4(6):288–93

Autoimmune hepatitis or hepatic involvement in SLE?—A case report. Moriwaki Y, et al. **Gastroenterol Jpn** 1987 Apr; 22(2):222–7

Autoimmunity, fetal losses, lupus anticoagulant: beginning of systemic lupus erythematosus or new autoimmune entity with gynaeco-obstetrical expression? Edelman P, et al. **Hum Reprod** 1986 Aug;1(5):295–7

C-reactive protein in rheumatologic diseases. Joshi AV, et al. **J Assoc Physicians India** 1986 Dec;34(12):859–60

C-reactive protein in rheumatic diseases. Yelluri YR, et al. **J Assoc Physicians India** 1986 Dec;34(12):849–50

Use of a standard curve improves precision and concordance of antinuclear antibody measurement. Hollingsworth PN, et al. **J Clin Lab Immunol** 1987 Apr;22(4):197–200

Evaluation of anti-C1q capture assay for detecting circulating immune complexes and comparison with polyethylene glycol–immunoglobulin G, C1q–binding, and Raji cell methods. Levinson SS, et al. **J Clin Microbiol** 1987 Aug;25(8):1567–9

Perspectives in pediatric systemic lupus erythematosus. Ansell BM. **J Rheumatol** 1987 Jun;14 Suppl 13:177–9

Morbidity in systemic lupus erythematosus. Gladman DD, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:223–6

Differences in clinical and immunological findings of systemic lupus erythematosus related to age. Hashimoto H, et al. **J Rheumatol** 1987 Jun;14(3):497–501

Hazards of lupus pregnancy. Lockshin MD, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:214–7

Systemic lupus erythematosus in the elderly. Maddison PJ. **J Rheumatol** 1987 Jun;14 Suppl 13:182–7

The diagnosis and management of systemic lupus erythematosus in childhood. Szer IS. **Pediatr Ann** 1986 Sep; 15(9):596–7, 600–4

Differential diagnosis of fever in systemic lupus erythematosus using discriminant analysis. Inoue T, et al. **Rheumatol Int** 1986;6(2):69–77

Serological tests in the assessment of disease activity in systemic lupus erythematosus. Wangel A. **Scand J Rheumatol** 1986;15(4):353–5 (26 ref.)

Systemic lupus erythematosus presenting with mixed paranoid and affective organic psychotic state. A case report. Cai YM, et al. **Singapore Med J** 1986 Aug; 27(4):353–5

Diagnosis of systemic lupus erythematosus in Jamaica by Crithidia luciliae indirect immunofluorescence test. Fisher-Smikle M, et al. **Trans R Soc Trop Med Hyg** 1987; 81(2):255–6

[Prognostic value of the lupus band test in light-protected normal skin of patients with systemic lupus erythematosus] Liu T, et al. **Chung Hua I Hsueh Tsa Chih** 1987 Jan; 67(1):9–12 (Eng. Abstr.) **(Chi)**

[Special clinical manifestations in some SLE patients] Jiang M, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Dec; 25(12):725–8, 775 (Eng. Abstr.) **(Chi)**

[Re-evaluation of the diagnostic criteria in systemic lupus erythematosus in Chinese patients. Analysis of 100 cases] Ke XY, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Oct; 25(10):618–20, 638 (Eng. Abstr.) **(Chi)**

[Immunofluorescence study of the skin in lupus erythematosus] Velthuis PJ, et al. **Ned Tijdschr Geneeskd** 1986 Nov 1;130(44):1976–80 **(Dut)**

[Facial edema associated with malar rash revealing systemic lupus erythematosus] Bernard P, et al. **Ann Dermatol Venereol** 1986;113(12):1249–50 **(Fre)**

[Leg ulcer and circulating anticoagulants] Cuny JF, et al. **Ann Dermatol Venereol** 1986;113(9):825–6 **(Fre)**

[Vesiculo-bullous lupus erythematosus. Immuno-electronic study] Lambert D, et al. **Ann Dermatol Venereol** 1986; 113(8):665–9 (Eng. Abstr.) **(Fre)**

[Extramembranous glomerulonephritis: an isolated manifestation disclosing systemic lupus erythematosus. Apropos of a case (letter)] Orcel P, et al. **Ann Med Interne (Paris)** 1986;137(4):353–4 **(Fre)**

[Should we still do research on the LE cell? (editorial)] Kahn MF. **Rev Med Interne** 1987 Mar–Apr;8(2):149–51 **(Fre)**

[Disseminated lupus erythematosus without antinuclear antibodies or other autoantibodies] Duc J, et al. **Schweiz Med Wochenschr** 1987 Feb 7;117(6):205–8 (Eng. Abstr.) **(Fre)**

[Liquid crystal thermography of the hands in patients with visceral lupus erythematosus] Loreck D, et al. **Dermatol Monatsschr** 1987;173(3):113–22 (Eng. Abstr.) **(Ger)**

[Bilateral popliteal artery occlusion in systemic lupus erythematosus in a 15-year-old girl] Hammentgen R, et al. **Vasa** 1987;16(1):86–8 (Eng. Abstr.) **(Ger)**

[General practice-relevant diagnostic and differential diagnostic aspects of collagen diseases. 1: Systemic lupus erythematosus] Apostoloff E, et al. **Z Arztl Fortbild (Jena)** 1987;81(8):385–7 **(Ger)**

[Lichen ruber planus--lupus erythematosus/overlap syndrome] Stary A, et al. **Z Hautkr** 1987 Mar 1; 62(5):381–94 (Eng. Abstr.) **(Ger)**

[The occurrence of defective C3b receptors (CR1) on erythrocytes in connective tissue diseases--their relation to Sjögren's syndrome and SLE] Inokuma S, et al. **Ryumachi** 1986 Jun;26(3):153–8 (Eng. Abstr.) **(Jpn)**

[Forms of systemic lupus erythematosus treated at the Cardiology Clinic] Petelenz T, et al. **Pol Tyg Lek** 1987 Mar 9;42(10):291–4 (Eng. Abstr.) **(Pol)**

[Systemic lupus erythematosus in children: problems of early and differential diagnosis] Ermakova TM, et al. **Pediatriia** 1986 Jul;(7):68–9 **(Rus)**

[Specific variant of the course of systemic lupus erythematosus] Aroian AA, et al. **Revmatologiia (Moskva)** 1986 Jul–Sep;(3):33–6 (Eng. Abstr.) **(Rus)**

[Methods of ultrasonic examination in diffuse connective tissue disease in children] Deliagin VM, et al. **Revmatologiia (Moskva)** 1987 Jan–Mar;(1):25–30 (Eng. Abstr.) **(Rus)**

[Comparative study of discoid and systemic lupus erythematosus by discriminant analysis] Biriukov AV, et al. **Vestn Dermatol Venerol** 1986;(8):30–3 (Eng. Abstr.) **(Rus)**

[Generalized adenopathies as a presentation of systemic lupus erythematosus: a cause of diagnostic errors] Chocarro A, et al. **Rev Clin Esp** 1986 Oct;179(5):276–7 **(Spa)**

[Evaluation of laboratory parameters for the detection of clinical activity in systemic lupus erythematosus] Font J, et al. **Rev Clin Esp** 1987 Mar;180(4):183–7 (Eng. Abstr.) **(Spa)**

DIET THERAPY

Effects of dietary supplementation on autoimmunity in the MRL/lpr mouse: a preliminary investigation. Godfrey DG, et al. **Ann Rheum Dis** 1986 Dec;45(12):1019–24

DRUG THERAPY

Ibuprofen–induced meningitis in a male with systemic lupus erythematosus. Jensen S, et al. **Acta Med Scand** 1987; 221(5):509–11

Disease modifying activity of HWA 486 on the development of SLE in MRL/l-mice. Popovic S, et al. **Agents Actions** 1986 Dec;19(5–6):313–4

Chloroquine–induced cardiomyopathy. McAllister HA Jr, et al. **Arch Pathol Lab Med** 1987 Oct;111(10):953–6

Can T lymphocytotoxic antibodies be detected in patients with drug reactions? [letter] Hosokawa H, et al. **Arthritis Rheum** 1987 Jun;30(6):716–7

Treatment of systemic lupus erythematosus in childhood. Jacobs JC. **Arthritis Rheum** 1977 Mar;20(2 Suppl):304–7

Articular mobility in systemic lupus erythematosus (SLE). Klemp P, et al. **Clin Rheumatol** 1987 Jun;6(2):202–7

Oral effects of steroid therapy in a patient with systemic lupus erythematosus: report of case. Van Story-Lewis PE, et al. **J Am Dent Assoc** 1987 Jul;115(1):49–51

Immunosuppressive therapy in systemic lupus erythematosus. Russell AS, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:194–8

Isoprinosine in patient with systemic lupus erythematosus [letter] Haidushka I, et al. **Lancet** 1987 Jul 18;2(8551):153

Changes in brain water in systemic lupus erythematosus [letter] Houssiau F, et al. **Lancet** 1986 Dec 13;2(8520):1396

Systemic lupus erythematosus. Controversies in management. Ballou SP. **Postgrad Med** 1987 Jun;81(8):157–9, 163–4 (20 ref.)

Effects of cyclosporin A on autoimmune disease in MRL/1 and BXSB mice. Berden JH, et al. **Scand J Immunol** 1986 Oct;24(4):405–11

[Combined treatment using traditional Chinese medicine and Western medicine of lupus crisis: a report of 10 cases] Tu BY. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr;6(4):215–7, 195 (Eng. Abstr.) **(Chi)**

[Hormonal modulation in disseminated lupus erythematosus: the preliminary results with danazol and cyproterone acetate] Jungers P, et al. **Ann Med Interne (Paris)** 1986; 137(4):313–9 (Eng. Abstr.) **(Fre)**

[Methyl-prednisolone pulse therapy of recurrent peritonitis and cerebritis in systemic lupus erythematosus] Lishner M, et al. **Harefuah** 1986 Dec 15;111(12):424–5 (Eng. Abstr.) **(Heb)**

[Ischemic necrosis of the femoral head in systemic lupus erythematosus] Shimoni Z, et al. **Harefuah** 1987 Jan 1; 112(1):11–2 (Eng. Abstr.) **(Heb)**

[A case of SLE under steroid-treatment who developed pulmonary tuberculosis, subcutaneous tuberculous abscess and disseminated calcifications in the spleen] Toyoda T, et al. **Kekkaku** 1986 Sep;61(9):461–5 (Eng. Abstr.) **(Jpn)**

[Immunopharmacological actions of lumin (II): Effect of lumin administration in NZB X NZW (B/W) F1 mice] Sasaki Y, et al. **Nippon Yakurigaku Zasshi** 1987 Jan; 89(1):9–13 (Eng. Abstr.) **(Jpn)**

[Clinical effectiveness of the treatment of systemic lupus erythematosus with preparations of the methylxanthine group and T-activin] Biriukov AV, et al. **Klin Med (Mosk)** 1987 Jan;65(1):107–11 **(Rus)**

[Use of androgens in the complex treatment of men with systemic lupus erythematosus] Folomeev MIu, et al. **Revmatologiia (Moskva)** 1986 Oct–Dec;(4):24–6 (Eng. Abstr.) **(Rus)**

[Use of androgens in the complex treatment of men with systemic lupus erythematosus] Folomeev MIu. **Ter Arkh** 1986;58(7):112–4 (Eng. Abstr.) **(Rus)**

[Immunological aspects of pulse therapy in systemic lupus erythematosus] Nasonov EL, et al. **Ter Arkh** 1986; 58(7):49–54 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Assessment of kininases in rheumatic diseases and the effect of therapeutic agents. Sheikh IA, et al. **Arthritis Rheum**

1987 Feb;30(2):138–45

Dissociation between serine proteinases and proline related enzymes in spleen of MRL mouse as a model of systemic lupus erythematodes. Aoyagi T, et al. **Biochem Int** 1987 Mar;14(3):435–41

Activities of dipeptidyl peptidase II and dipeptidyl peptidase IV in mice with lupus erythematosus-like syndrome and in patients with lupus erythematosus and rheumatoid arthritis. Hagihara M, et al. **Clin Chem** 1987 Aug; 33(8):1463–5

ETIOLOGY

Current concepts in the etiopathogenesis and treatment of systemic lupus erythematosus (SLE). Manolios N, et al. **Aust NZ J Med** 1986 Oct;16(5):729–43 (211 ref.)

The role of stress and trauma in rheumatoid arthritis and systemic lupus erythematosus. Wallace DJ. **Semin Arthritis Rheum** 1987 Feb;16(3):153–7 (44 ref.)

Insulin-insensitive variety of combined types A and B diabetes mellitus progressing to systemic lupus erythematosus. Tyring SK, et al. **South Med J** 1987 May; 80(5):641–4

The influence of sex hormones on the disease systemic lupus erythematosus. Lahita RG. **Springer Semin Immunopathol** 1986;9(2–3):305–14 (58 ref.)

[Acute systemic lupus erythematosus after thymectomy for myasthenia. Sequential study of lymphocyte subpopulations] Le Loet X, et al. **Rev Med Interne** 1986 Sep;7(4):425–32 (Eng. Abstr.) (Fre)

[Characteristics of DNA from peripheral blood lymphocytes in SLE patients and its relation to left-handed Z-DNA (first report)] Higashitani S. **Arerugi** 1986 Jul;35(7):467–74 (Eng. Abstr.) (Jpn)

[Systemic lupus erythematosus in males] Santiago MB, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 May–Jun; 41(3):121–3 (Eng. Abstr.) (Por)

[Immune-complex mechanisms of the pathogenesis of systemic lupus erythematosus] Preobrazhenskii DV, et al. **Klin Med (Mosk)** 1986 Sep;64(9):17–30 (94 ref.) (Rus)

[Role of ACTH, somatotropic hormone, cortisol and insulin in the pathogenesis of lupus erythematosus] Butov IuS, et al. **Vestn Dermatol Venerol** 1987;(3):6–10 (Eng. Abstr.) (Rus)

[Prevalence of generalized lupus erythematosus in a psychiatric population] Pujol Costa J, et al. **Med Clin (Barc)** 1986 Dec 6;87(19):785–6 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

Molecular genetics of murine lupus. Theofilopoulos AN. **Agents Actions** 1986 Dec;19(5–6):282–94

Studies of the effects of Y chromosome factors on the expression of autoimmune disease. Steinberg AD, et al. **Ann NY Acad Sci** 1986;475:200–18

Pulmonary hypertension in hydralazine induced systemic lupus erythematosus: association with C4 null allele. Asherson RA, et al. **Ann Rheum Dis** 1986 Sep;45(9):771–3

Sensitivity of lymphocytes from patients with systemic lupus erythematosus to the induction of sister chromatid exchanges by alkylating agents and bromodeoxyuridine. Palmer RG, et al. **Ann Rheum Dis** 1987 Feb;46(2):110–3

Multiple sclerosis and systemic lupus erythematosus. Occurrence in two generations of the same family. Sloan JB, et al. **Arch Intern Med** 1987 Jul;147(7):1317–20

Further evidence for the lack of association between acetylator phenotype and systemic lupus erythematosus [letter] Emery P. **Arthritis Rheum** 1987 Mar;30(3):357–8

Analysis of antigen specific T cell helper function in first degree relatives of patients with systemic lupus erythematosus (SLE). Segal R, et al. **Clin Exp Immunol** 1986 Oct;66(1):52–60

Molecular analysis of the murine lupus-associated anti-self response: involvement of a large number of heavy and light chain variable region genes. Kofler R, et al. **Eur J Immunol** 1987 Jan;17(1):91–5

A patient with familial systemic lupus erythematosus associated with gastric cancer and a family study of HLA. Ando B, et al. **Fukuoka Igaku Zasshi** 1986 Sep;77(9):526–31

DNA typing of HLA-DR antigens in systemic lupus erythematosus. Dunckley H, et al. **Immunogenetics** 1986; 24(3):158–62

Deficiency of the C3b/C4b receptor (CR1) of erythrocytes in systemic lupus erythematosus: analysis of the stability of the defect and of a restriction fragment length polymorphism of the CR1 gene. Wilson JG, et al. **J Immunol** 1987 Apr 15;138(8):2708–10

Basic elements of murine systemic lupus erythematosus. Dixon FJ. **J Rheumatol** 1987 Jun;14 Suppl 13:3–10

Dissection of the antigen presenting function of tissue cells induced to express HLA-DR by gamma interferon. Geppert TD, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:59–62

Idiotype regulatory networks promote autoantibody formation. Hahn BH, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:143–8

The neonatal lupus erythematosus syndrome. Provost TT, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:199–205

Antinuclear antibodies as probes to explore the structural organization of the genome. Reeves WH. **J Rheumatol** 1987 Jun;14 Suppl 13:97–105

Genetic and cellular basis of anti-DNA antibody synthesis in systemic lupus erythematosus of New Zealand mice. Shirai T, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:11–20

Genetic and molecular genetic studies of murine and human lupus. Steinberg AD, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:166–76

Interleukin 2, T cell receptor and sex hormone studies in autoimmune mice. Talal N, et al. **J Rheumatol** 1987 Jun; 14 Suppl 13:21–5

Familial systemic lupus erythematosus: evidence for separate loci controlling C4 deficiency and formation of antibodies to DNA, nRNP, Ro and La. Verrier Jones J, et al. **J Rheumatol** 1987 Apr;14(2):263–7

Sister-chromatid exchange frequencies in fibroblasts and lymphocytes of patients with systemic lupus erythematosus. Palmer RG, et al. **Mutat Res** 1987 Mar;177(1):125–32

Susceptibility genetics of systemic lupus erythematosus. Shen HH, et al. **Springer Semin Immunopathol** 1986;9(2–3):143–59 (88 ref.)

Molecular aspects of murine systemic lupus erythematosus. Theofilopoulos AN, et al. **Springer Semin Immunopathol** 1986;9(2–3):121–42 (75 ref.)

[HLA markers and complotypes: risk factors in systemic lupus erythematosus?] Gougerot A, et al. **Ann Dermatol Venereol** 1987;114(3):329–34 (Eng. Abstr.) (Fre)

[Familial studies of systemic lupus erythematosus. HLA markers and complotypes] Stoppa-Lyonnet D, et al. **Pathol Biol (Paris)** 1986 Jun;34(6):773–7 (Eng. Abstr.) (Fre)

IMMUNOLOGY

High levels of a common anti-DNA idiotype (16/6), a genetic marker for SLE. Shoenfeld Y, et al. **Acta Haematol (Basel)** 1986;76(2–3):107–9

Lupus anticoagulant and anticardiolipin antibodies in systemic lupus erythematosus. Sukenik S, et al. **Acta Haematol (Basel)** 1986;76(2–3):86–9

Effect of (chloro-4-phenyl) thiomethylene bisphosphonic acid (SR 41319) on the autoimmune disease activity in MRL/1 mice. Barbier A, et al. **Agents Actions** 1986 Dec; 19(5–6):311–2

DNA-binding antibodies derived from autoimmune MRL mice fail to induce clinical changes when administered to healthy animals. Lake R, et al. **Agents Actions** 1986 Dec; 19(5–6):306–8

The effects of anti-inflammatory agents on the serology and arthritis of the MRL lpr/lpr mouse. Rordorf-Adam C, et al. **Agents Actions** 1986 Dec;19(5–6):309–10

Abnormal populations of activated lymphocytes in the rheumatoid one-way MLR. Salmon M, et al. **Agents Actions** 1986 Dec;19(5–6):269–70

Activation of factor B of the alternative pathway of complement. Assessment by rocket immunoelectrophoresis. Kajdacsy-Balla A, et al. **Am J Clin Pathol** 1987 Jul; 88(1):66–73

Lymphocyte responses in systemic lupus erythematosus in pregnancy. Beck I, et al. **Am J Med** 1987 Jan;82(1):179–80

Fc-receptor function of the mononuclear phagocyte system in glomerulonephritis secondary to some multisystem diseases. Roccatello D, et al. **Am J Nephrol** 1987;7(2):85–92

The questionable role of anti-DNA antibodies in the pathogenesis of systemic lupus erythematosus. Bach JF, et al. **Ann NY Acad Sci** 1986;475:231–40

Immune response potential and its genetic regulation in autoimmune diseases. Alterations in systemic lupus erythematosus and thyroid autoimmune diseases. Bentwich Z, et al. **Ann NY Acad Sci** 1986;475:227–30

Speculation on the role of somatic mutation in the generation of anti-DNA antibodies. Davidson A, et al. **Ann NY Acad Sci** 1986;475:174–80

Ia antigen expression and autoimmunity in MRL-lpr/lpr mice. Rosenberg YJ, et al. **Ann NY Acad Sci** 1986; 475:251–66

Monoclonal anti-DNA antibodies. The targets and origins of SLE autoantibodies. Stollar BD, et al. **Ann NY Acad Sci** 1986;475:192–9 (64 ref.)

Antibodies to the five histones and poly(adenosine diphosphate-ribose) in drug induced lupus: implications for pathogenesis. Hobbs RN, et al. **Ann Rheum Dis** 1987 May; 46(5):408–16

HLA-DR antigens in systemic lupus erythematosus: association with specificity of autoantibody responses to nuclear antigens. Smolen JS, et al. **Ann Rheum Dis** 1987 Jun;46(6):457–62

Livedo reticularis associated with increased titers of anticardiolipin antibodies in systemic lupus erythematosus. Weinstein C, et al. **Arch Dermatol** 1987 May;123(5):596–600

Deterioration of intracellular destruction capacity of S. aureus in children with systemic lupus erythematosus. Martínez-Cairo Cueto S, et al. **Arch Invest Med (Mex)** 1986 Jan–Mar;17(1):25–36 (Eng, Spa)

The spectrum of neurologic disease associated with antiphospholipid antibodies. Lupus anticoagulants and anticardiolipin antibodies. Levine SR, et al. **Arch Neurol** 1987 Aug;44(8):876–83 (119 ref.)

Systemic lupus erythematosus, antiphospholipid antibodies, chorea, and oral contraceptives [letter] Asherson RA, et al. **Arthritis Rheum** 1986 Dec;29(12):1535–6

Discordant effects of prednisone on anticardiolipin antibodies and the lupus anticoagulant [letter] Derksen RH, et al. **Arthritis Rheum** 1986 Oct;29(10):1295–6

Antibodies to DNA. A perspective. Emlen W, et al. **Arthritis Rheum** 1986 Dec;29(12):1417–26 (82 ref.)

Reaction of antipolynucleotide antibody from systemic lupus erythematosus patient serum with double-stranded DNA complexed to protein. Faiferman I, et al. **Arthritis Rheum** 1987 Jul;30(7):814–8

Anticardiolipin antibodies in patients with rheumatic diseases. Fort JG, et al. **Arthritis Rheum** 1987 Jul;30(7):752–60

Stimulation of B cell differentiation by adherent mononuclear cells in systemic lupus erythematosus. Jandl RC, et al. **Arthritis Rheum** 1987 Jul;30(7):761–8

Antilymphocyte antibodies and systemic lupus erythematosus. Morimoto C, et al. **Arthritis Rheum** 1987 Feb;30(2):225–8

Systemic lupus erythematosus. Laboratory studies. Rothfield NF. **Arthritis Rheum** 1977 Mar;20(2 Suppl):299–303

Detection of antibodies to total histones and their subfractions in systemic lupus erythematosus patients and their asymptomatic relatives. Shoenfeld Y, et al. **Arthritis Rheum** 1987 Feb;30(2):169–75

Anticardiolipin antibodies in patients with systemic lupus erythematosus. Sturfelt G, et al. **Arthritis Rheum** 1987 Apr; 30(4):382–8

DNA-daunorubicin complexes specifically suppress in vitro spontaneous anti-DNA antibody production in lymphocytes of patients with systemic lupus erythematosus. Takeuchi T, et al. **Arthritis Rheum** 1986 Oct;29(10):1216–22

The interaction of antibody/DNA immune complexes with complement. Influence of antibody class and DNA conformation. Taylor RP, et al. **Arthritis Rheum** 1987 Feb; 30(2):176–85

Deficient gamma-interferon production in patients with systemic lupus erythematosus. Tsokos GC, et al. **Arthritis Rheum** 1986 Oct;29(10):1210–5

Subset specificity of antilymphocyte antibodies in systemic lupus erythematosus. II. Preferential reactivity with T4 + cells is associated with relative depletion of autologous T4 + cells. Winfield JB, et al. **Arthritis Rheum** 1987 Feb; 30(2):162–8

Autoantibodies against RNA polymerase I in scleroderma and Sjögren's syndrome sera [published erratum appears in Biochem Biophys Res Commun 1987 Jun 30;145(3):1404] Stetler DA, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1296–302

Equilibrium theory for the binding of bivalent antibodies to regularly spaced sites on a DNA molecule. Wiegel FW, et al. **Biopolymers** 1987 Feb;26(2):297–314

Distribution of natural killer cells and lymphocyte subclasses in Jessner's lymphocytic infiltration of the skin and in cutaneous lesions of discoid and systemic lupus erythematosus. Viljaranta S, et al. **Br J Dermatol** 1987 Jun; 116(6):831–8

Anti-granulocyte opsonic activity in sera from patients with systemic lupus erythematosus. Hadley AG, et al. **Br J Haematol** 1987 Jan;65(1):61–5

False positive Monospot test in systemic lupus erythematosus [letter] Al-Jitawi SA, et al. **Br J Rheumatol** 1987 Feb; 26(1):71

Use of anti-idiotypic antibodies to explore genetic mechanisms of production of anti-DNA antibodies. Davidson A, et al. **Cell Immunol** 1986 Apr 15;99(1):44–52

Isolation of functional polyclonal TxF from MRL-lpr spleens using monoclonal antibody absorbance. Steele JK, et al. **Cell Immunol** 1986 Oct 15;102(2):386–94

Disordered immune regulation in autoimmune rheumatic diseases. Autologous mixed lymphocyte reactivity in polymyositis/dermatomyositis and systemic lupus erythematosus. Dustoor MM, et al. **Cleve Clin Q** 1986 Fall; 53(3):241–8

B lymphocyte activation by insoluble anti-mu antibodies in patients with systemic lupus erythematosus. Becker H, et al. **Clin Exp Immunol** 1986 Nov;66(2):365–72

Anti-oestrogen antibodies in users of oral contraceptives and in patients with systemic lupus erythematosus. Bucala R, et al. **Clin Exp Immunol** 1987 Jan;67(1):167–75

Decreased interleukin 2 inhibitor in sera of patients with autoimmune disorders. Djeu JY, et al. **Clin Exp Immunol** 1986 Aug;65(2):279–85

Evaluation of the cross-reaction between anti-DNA and anti-cardiolipin antibodies in SLE and experimental animals. Eilat D, et al. **Clin Exp Immunol** 1986 Aug; 65(2):269–78

Anti-DNA antibodies: problems in their study and interpretation. Eilat D. **Clin Exp Immunol** 1986 Aug; 65(2):215–22

C3b receptor (CR1) expression on the polymorphonuclear leukocytes from patients with systemic lupus erythematosus. Fyfe A, et al. **Clin Exp Immunol** 1987 Feb; 67(2):300–8

Studies on human blood lymphocytes with iC3b (type 3) complement receptors: III. Abnormalities in patients with active systemic lupus erythematosus. Gray JD, et al. **Clin Exp Immunol** 1987 Mar;67(3):556–64

A cross-reactive idiotype on anti-DNA and lymphocytotoxic antibodies. Lydyard PM, et al. **Clin Exp Immunol** 1987 Mar;67(3):500–6

Stimulating and differentiation factors for human B lymphocytes in systemic lupus erythematosus. Martinez-Cordero E, et al. **Clin Exp Immunol** 1986 Sep; 65(3):598–604

Anti-mitochondrial type M5 and anti-cardiolipin antibodies in autoimmune disorders: studies on their association and cross-reactivity. Meroni PL, et al. **Clin Exp Immunol** 1987 Mar;67(3):484–91

Spontaneous production of B cell growth factors by SLE lymphocytes. Pelton BK, et al. **Clin Exp Immunol** 1987 Jan;67(1):159–66

Independence of depressed lectin-dependent cell-mediated cytotoxicity from interleukin 2 production in patients with systemic lupus erythematosus. Perl A, et al. **Clin Exp Immunol** 1986 Aug;65(2):286–92

Novel DNA–protein complex and a large DNA in SLE cryoprecipitates. Rieber M, et al. **Clin Exp Immunol** 1986 Oct;66(1):61–7

Differential induction of lupus associated antinuclear antibodies in MRL mice by monoclonal anti–Sm antibodies. Stocks MR, et al. **Clin. Exp Immunol** 1987 Mar;67(3):492–9

Analysis of the clonal origins of autoantibodies against thyroglobulin and DNA in autoimmune thyroiditis and systemic lupus erythematosus. Stott DI, et al. **Clin Exp Immunol** 1986 Sep;65(3):520–33

IL-2 normalizes defective suppressor T cell function of patients with systemic lupus erythematosus in vitro. Volk HD, et al. **Clin Exp Immunol** 1986 Dec;66(3):525–31

Defective production of leucocytic endogenous mediator (interleukin 1) by peripheral blood leucocytes of patients with systemic sclerosis, systemic lupus erythematosus, rheumatoid arthritis and mixed connective tissue disease. Whicher JT, et al. **Clin Exp Immunol** 1986 Jul;65(1):80–9

Immune deposits in oral mucosa, skin and kidney in patients with systemic lupus erythematosus. Jonsson R, et al. **Clin Exp Rheumatol** 1986 Jul–Sep;4(3):231–6

In vitro autoantibody synthesis by anti–La(SSB) positive SLE patients and healthy controls. Smith G, et al. **Clin Exp Rheumatol** 1986 Jul–Sep;4(3):209–16

Detection of immune complexes in systemic lupus erythematosus with the C1q solid phase assay: correlation with nDNA antibodies and hypocomplementemia. Agnello V, et al. **Clin Immunol Immunopathol** 1987 Mar; 42(3):338–43

Lupus anti–ribosomal P peptide antibodies show limited heterogeneity and are predominantly of the IgG1 and IgG2 subclasses. Bonfa E, et al. **Clin Immunol Immunopathol** 1987 Oct;45(1):129–38

Failure of oral tolerance in (NZB X NZW)F1 mice is antigen specific and appears to parallel antibody patterns in human systemic lupus erythematosus (SLE). Carr RI, et al. **Clin Immunol Immunopathol** 1987 Mar;42(3):298–310

Effect of coexistent serum DNA on qualitative properties of anti–DNA antibodies. Cronin ME, et al. **Clin Immunol Immunopathol** 1986 Dec;41(3):320–30

Ligand–binding and idiotypic cross–reactions between anti–DNA antibodies and antibodies to Klebsiella K30 polysaccharide in patients with systemic lupus erythematosus or rheumatoid arthritis. Harkiss GD, et al. **Clin Immunol Immunopathol** 1987 Sep;44(3):283–96

The effect of adherent cell–derived factors on immunoglobulin and anti–DNA synthesis in systemic lupus erythematosus. Jandl RC, et al. **Clin Immunol Immunopathol** 1987 Mar;42(3):344–59

Common lupus anti–DNA antibody idiotypes in chronic liver diseases. Konikoff F, et al. **Clin Immunol Immunopathol** 1987 May;43(2):265–72

Soluble immune complexes in lupus mice: clearance from blood and estimation of formation rates. Mullins WW Jr, et al. **Clin Immunol Immunopathol** 1987 Mar;42(3):375–85

A polyspecific monoclonal anti–DNA autoantibody also binds to cell–surface protein(s). Muso E, et al. **Clin Immunol Immunopathol** 1987 Mar;42(3):370–4

Effects of immunoglobulin G from patients with systemic lupus erythematosus on human B cell function. Ramirez F, et al. **Clin Immunol Immunopathol** 1987 Aug; 44(2):219–34

Suppressor cell function and anti–DNA antibody idiotypes in the serum of SLE patients and their first–degree relatives. Schattner A, et al. **Clin Immunol Immunopathol** 1986 Dec;41(3):417–26

In vitro inhibition of anti–DNA producing cells from systemic lupus erythematosus patients by autologous anti–F(ab')2 antibodies. Silvestris F, et al. **Clin Immunol Immunopathol** 1987 Jan;42(1):50–62

T lymphocyte subsets and antilymphocyte antibodies in lupus nephritis. Patel R, et al. **Clin Nephrol** 1986 Aug;26(2):83–6

Antibodies to extractable cellular antigens in Spanish systemic lupus erythematosus (SLE) patients. Carreira PE, et al. **Clin Rheumatol** 1987 Mar;6(1):80–3

Autoantibodies in systemic lupus erythematosus and normal subjects. Pateraki E, et al. **Clin Rheumatol** 1986 Sep; 5(3):338–45

Immunology of systemic lupus erythematosus and related rheumatic diseases. Koffler D. **Clin Symp** 1987;39(2):2–36

Autoimmune aspects of systemic lupus erythematosus. Theofilopoulos AN, et al. **Concepts Immunopathol** 1985; 1:190–218 (114 ref.)

Autoantibodies to nuclear lamin B in a patient with thrombopenia. Guilly MN, et al. **Eur J Cell Biol** 1987 Apr; 43(2):266–72

B cell hyperactivity in systemic lupus erythematosus: selectively enhanced responsiveness to a high molecular weight B cell growth factor. Delfraissy JF, et al. **Eur J Immunol** 1986 Oct;16(10):1251–6

The role of L3T4+ cells in the pathogenesis of lupus in lpr–bearing mice. I. Defects in the production of interleukins 2 and 3. Santoro TJ, et al. **Eur J Immunol** 1987 Aug;17(8):1131–6

Murine lupus anti–DNA antibodies cross–react with the hapten (4–hydroxy–5–iodo–3–nitrophenyl)acetyl, but immunization–induced anti–DNA antibodies do not. Zouali M, et al. **Eur J Immunol** 1987 Apr;17(4):509–13

Clonotypic comparison of IgG anti–DNA antibodies of healthy subjects and systemic lupus erythematosus patients: studies on heterogeneity and avidity. Yoshida M, et al. **Immunol Lett** 1987 Jun;15(2):139–44

Autoantibodies to purified nuclear proteins related to DNA metabolism during ageing and in SLE patients. Astaldi Ricotti GC, et al. **Immunology** 1987 Jul;61(3):375–81

Antigen–specific T–cell hyporesponsiveness in MRL congenic mice can be explained by two independent cellular defects. Waterfield JD, et al. **Immunology** 1987 Jun; 61(2):173–8

Systemic lupus erythematosus in association with smoldering multiple myeloma [letter] Sendagorta E, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):135–6

Production of monoclonal antibodies against RNA polymerase I from nonimmunized autoimmune MRL/lpr mice and their use in rDNA transcription analysis. Barsoum AL, et al. **J Biol Chem** 1987 Sep 15;262(26):12759–63

Significance of the Ro antigen system. Reichlin M. **J Clin Immunol** 1986 Sep;6(5):339–48 (62 ref.)

Monocyte (macrophage)–specific antibodies in patients with systemic lupus erythematosus (SLE). Shirakawa F, et al. **J Clin Immunol** 1987 Mar;7(2):121–9

Stochastic control of anti–Sm autoantibodies in MRL/Mp–lpr/lpr mice. Eisenberg RA, et al. **J Clin Invest** 1987 Sep;80(3):691–7

Suppression of anti–DNA antibody synthesis in vitro by a cross–reactive antiidiotypic antibody. Epstein A, et al. **J Clin Invest** 1987 Mar;79(3):997–1000

Idiotypic markers of polyclonal B cell activation. Public idiotypes shared by monoclonal antibodies derived from patients with systemic lupus erythematosus or leprosy. Mackworth–Young C, et al. **J Clin Invest** 1987 Feb; 79(2):572–81

Polymorphism of lymphocyte function–associated antigen–1 demonstrated by a lupus patient's alloantiserum. Pischel KD, et al. **J Clin Invest** 1987 Jun;79(6):1607–14

Lupus/Sjögren's autoantibody specificities in sera with paraproteins. Sestak AL, et al. **J Clin Invest** 1987 Jul; 80(1):138–44

Aberration of monokine production and monocyte subset in patients with systemic lupus erythematosus. Takei M, et al. **J Clin Lab Immunol** 1987 Apr;22(4):169–73

Description and partial characterization of a nucleolar RNA–associated autoantigen defined by a human monoclonal antibody. Chiorazzi N, et al. **J Exp Med** 1987 Apr 1;165(4):1172–87

High hepatic natural killer cell activity in murine lupus. Magilavy DB, et al. **J Exp Med** 1987 Jul 1;166(1):271–6

Parallel sets of autoantibodies in MRL–lpr/lpr mice. An anti–DNA, anti–SmRNP, anti–gp70 network. Migliorini P, et al. **J Exp Med** 1987 Feb 1;165(2):483–99

Interaction between anti–DNA and anti–DNA–binding protein autoantibodies in cryoglobulins from sera of patients with systemic lupus erythematosus. Reeves WH, et al. **J Exp Med** 1986 Oct 1;164(4):1029–42

Lamin B autoantibodies in sera of certain patients with systemic lupus erythematosus. Reeves WH, et al. **J Exp Med** 1987 Mar 1;165(3):750–62

Reactions of sera from patients with rheumatoid arthritis, systemic lupus erythematosus and infectious mononucleosis to Epstein–Barr virus–induced polypeptides. Sculley DG, et al. **J Gen Virol** 1986 Oct;67 (Pt 10):2253–8

Heterogeneity of systemic lupus erythematosus elucidated by cluster analysis. The influence of HLA. Stenszky V, et al. **J Immunogenet** 1986 Aug;13(4):327–40

Autoantibodies against a specific nuclear RNP protein in sera of patients with autoimmune rheumatic diseases associated with myositis. Arad–Dann H, et al. **J Immunol** 1987 Apr 15;138(8):2463–8

Functional alterations of macrophages in autoimmune MRL–lpr/lpr mice. Dang–Vu AP, et al. **J Immunol** 1987 Mar 15;138(6):1757–61

Idiotypic analysis of myeloma proteins: anti–DNA activity of monoclonal immunoglobulins bearing an SLE idiotype is more common in IgG than IgM antibodies. Davidson A, et al. **J Immunol** 1987 Mar 1;138(5):1515–8

Differences among immune complexes: association of C1q in SLE immune complexes with renal disease. Greisman SG, et al. **J Immunol** 1987 Feb 1;138(3):739–45

Cryoglobulinemia induced by monoclonal immunoglobulin G rheumatoid factors derived from autoimmune MRL/MpJ–lpr/lpr mice. Gyotoku Y, et al. **J Immunol** 1987 Jun 1;138(11):3785–92

Idiotype restriction in murine lupus; high frequency of three public idiotypes on serum IgG in nephritic NZB/NZW F1 mice. Hahn BH, et al. **J Immunol** 1987 Apr 1; 138(7):2110–8

The interleukin 2 secretion defect in vitro in systemic lupus erythematosus is reversible in rested cultured T cells. Huang YP, et al. **J Immunol** 1986 Dec 1;137(11):3515–20

Impaired expression of high affinity interleukin 2 receptor on activated lymphocytes from patients with systemic lupus erythematosus. Ishida H, et al. **J Immunol** 1987 Aug 15; 139(4):1070–4

Murine monoclonal anti–DNA antibodies bind directly to glomerular antigens and form immune deposits. Madaio MP, et al. **J Immunol** 1987 May 1;138(9):2883–9

Lupus serum and normal human serum contain anti–DNA antibodies with the same idiotypic marker. Madaio MP, et al. **J Immunol** 1986 Oct 15;137(8):2535–40

Abnormal expression of T cell receptor genes in Lyt–2–L3T4– lymphocytes of lpr mice: comparison with normal immature thymocytes. Miescher GC, et al. **J Immunol** 1987 Mar 15;138(6):1959–67

IgG anti–lymphocyte antibodies in systemic lupus erythematosus react with surface molecules shared by peripheral T cells and a primitive T cell line. Minota S, et al. **J Immunol** 1987 Mar 15;138(6):1750–6

Distribution and specificity of nucleotide–reactive autoantibodies in human SLE. Munns TW, et al. **J Immunol** 1987 Jul 15;139(2):393–9

Specific inhibitor of complement (C5)–derived chemotactic activity in systemic lupus erythematosus related antigenically to the Bb fragment of human factor B. Perez HD, et al. **J Immunol** 1987 Jul 15;139(2):484–9

The lpr gene is associated with resistance to engraftment by lymphoid but not erythroid stem cells from normal mice. Perkins DL, et al. **J Immunol** 1987 Jan 15;138(2):466–9

Anti–histone antibodies in idiopathic and drug–induced lupus recognize distinct intrahistone regions. Portanova JP, et al. **J Immunol** 1987 Jan 15;138(2):446–51

IgG subclasses of anti–tetanus toxoid antibodies in adult and newborn normal subjects and in patients with systemic lupus erythematosus, Sjogren's syndrome, and drug–induced autoimmunity. Rubin RL, et al. **J Immunol** 1986 Oct 15;137(8):2522–7

IgG subclasses of autoantibodies in systemic lupus erythematosus, Sjogren's syndrome, and drug–induced autoimmunity. Rubin RL, et al. **J Immunol** 1986 Oct 15; 137(8):2528–34

Deficiencies in suppressor T cell activity seen in patients with active systemic lupus erythematosus are due to the dilution of normally functioning suppressor T cells by nonsuppressor T cells. Sakane T, et al. **J Immunol** 1986 Dec 15;137(12):3809–13

Detection of activated terminal complement (C5b–9) in cerebrospinal fluid from patients with central nervous system involvement of primary Sjogren's syndrome or systemic lupus erythematosus. Sanders ME, et al. **J Immunol** 1987 Apr 1;138(7):2095–9

Class–specific regulation of anti–DNA antibody synthesis and the age–associated changes in (NZB x NZW)F1 hybrid mice. Sekigawa I, et al. **J Immunol** 1987 May 1; 138(9):2890–5

Anti–RNA polymerase I antibodies: potential role in the induction and progression of murine lupus nephritis. Stetler DA, et al. **J Immunol** 1987 Apr 1;138(7):2119–23

Eleven MRL–lpr/lpr anti–DNA autoantibodies are encoded by genes from four VH gene families: a potentially biased usage of VH genes. Trepicchio W Jr, et al. **J Immunol** 1987 Apr 1;138(7):2323–31

Role of cytotoxic T lymphocytes in the prevention of lupus–like disease occurring in a murine model of graft–vs–host disease. Via CS, et al. **J Immunol** 1987 Sep 15;139(6):1840–9

Complement activation and vascular injury in systemic lupus erythematosus. Abramson S, et al. **J Rheumatol** 1987 Jun; 14 Suppl 13:43–6

Interferons and systemic lupus erythematosus. Bankhurst AD. **J Rheumatol** 1987 Jun;14 Suppl 13:63–7

Antinucleic acid autoantibody responses of normal human origin: antigen specificity and idiotypic characteristics compared to patients with systemic lupus erythematosus and patients with monoclonal IgM. Bell DA, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:127–31

Abnormal responses to ingested substances in murine systemic lupus erythematosus: apparent effect of a casein–free diet on the development of systemic lupus erythematosus in NZB/W mice. Carr R, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:158–65

Antihistone antibodies detected by ELISA and immunoblotting in systemic lupus erythematosus and rheumatoid arthritis. Costa O, et al. **J Rheumatol** 1986 Aug; 13(4):722–5

Linked sets of antinuclear antibodies: what do they mean? Craft JE, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:106–9

Reticuloendothelial system Fc receptor function in the drug induced lupus erythematosus syndrome. Fields TR, et al. **J Rheumatol** 1986 Aug;13(4):726–31

Antiphospholipid antibodies: an elderly statesman Dons new garments. Harris EN, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:208–13

Chorea, systemic lupus erythematosus, circulating lupus anticoagulant [letter] Hatron PY, et al. **J Rheumatol** 1986 Oct;13(5):991–3

Anticardiolipin antibodies during pregnancy. Hedfors E, et al. **J Rheumatol** 1987 Feb;14(1):160–1

Increased intrathecal immunoglobulin synthesis of both kappa and lambda types in patients with systemic lupus erythematosus and central nervous system involvement. Hirohata S, et al. **J Rheumatol** 1986 Aug;13(4):715–21

Autoantibodies to the Sm antigen: immunological approach to clinical aspects of systemic lupus erythematosus. Homma M, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:188–93

Functional properties of CD8 positive lymphocyte subsets in systemic lupus erythematosus. Horwitz DA, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:49–52

Platelet antibody binding in systemic lupus erythematosus. Howe SE, et al. **J Rheumatol** 1987 Jun;14(3):482–6

Reticuloendothelial system Fc receptor function in systemic

lupus erythematosus: effect of decreased sensitization on clearance of autologous erythrocytes. Kabbash L, et al. **J Rheumatol** 1987 Jun;14(3):487–9

Mechanisms of tissue deposition of immune complexes. Mannik M. **J Rheumatol** 1987 Jun;14 Suppl 13:35–42

Antiphospholipid antibodies: a disease marker in 25 patients with antinuclear antibody negative systemic lupus erythematosus (SLE). Comparison with a group of 91 patients with antinuclear antibody positive SLE. Meyer O, et al. **J Rheumatol** 1987 Jun;14(3):502–6

Anticardiolipin and complement activation: relation to clinical symptoms. Norberg R, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:149–53

Polymorphonuclear leukocyte chemotaxis in systemic lupus erythematosus. Perez HD, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:53–8

Polyfunctional properties of hybridoma lupus anticoagulant antibodies. Rauch J, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:132–7

Antibodies to Ro(SSA) and the heterogeneity of systemic lupus erythematosus. Reichlin M, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:112–7

Antihistone antibodies in systemic lupus erythematosus. Rubin RL, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:118–26

PCNA/cyclin: a lupus antigen connected with DNA replication. Tan EM, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:89–96

Low serum antimycobacterial glycolipid antibody titers in the sera of patients with systemic lupus erythematosus associated with central nervous system involvement. Teplizki H, et al. **J Rheumatol** 1987 Jun;14(3):507–11

Quantification of the complement receptor function on polymorphonuclear leukocytes: its significance in patients with systemic lupus erythematosus. Yoshida K, et al. **J Rheumatol** 1987 Jun;14(3):490–6

Enhanced Fc receptor function of monocytes from patients with clinically active systemic lupus erythematosus: binding and degradation of soluble immune complexes in vitro. Kabashima T, et al. **Jpn J Med** 1986 Aug;25(3):263–9

Interleukin 2 receptors and responsiveness to recombinant human interleukin 2 in patients with systemic lupus erythematosus. Lakhanpal S, et al. **Mayo Clin Proc** 1987 Jan;62(1):3–7

Mechanism of anti-DNA antibody formation. The functional modulation of helper T-subset plays the key role in both murine and human B-cell autosensitization. Nakamura K, et al. **Microbiol Immunol** 1986;30(7):703–15

High levels of anti-mitochondrial antibodies in MRL mice. Influence of anti-DNA antibodies on anti-mitochondrial antibodies measured by an enzyme-linked immunosorbent assay. Ohshio G, et al. **Microbiol Immunol** 1987;31(1):75–81

Antibodies in procainamide-induced and systemic lupus erythematosus bind the C-terminus of histone 1 (H1). Gohill J, et al. **Mol Immunol** 1987 Mar;24(3):275–85

The neonatal lupus syndrome associated with U1RNP (nRNP) antibodies. Provost TT, et al. **N Engl J Med** 1987 Apr 30;316(18):1135–8

The immunologic basis of lupus. Miller ML, et al. **Pediatr Clin North Am** 1986 Oct;33(5):1191–202 (50 ref.)

Identification and chemical synthesis of a ribosomal protein antigenic determinant in systemic lupus erythematosus. Elkon K, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(19):7419–23

Presence of antibodies against a cell-surface protein, cross-reactive with DNA, in systemic lupus erythematosus: a marker of the disease. Jacob L, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2956–9

Altered cell-surface protein(s), crossreactive with DNA, on spleen cells of autoimmune lupic mice. Jacob L, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1361–3

Immunization of mice with purified U1 small nuclear ribonucleoprotein (RNP) induces a pattern of antibody specificities characteristic of the anti-Sm and anti-RNP autoimmune response of patients with lupus erythematosus, as measured by monoclonal antibodies. Reuter R, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8689–93

Detection of circulating immune complexes in liver diseases, systemic lupus erythematosus and glomerulonephritis by polyethylene glycol precipitation. Shou L, et al. **Proc Natl Sci Counc Repub China [B]** 1986 Jul;10(3):167–74

Immunopathology of murine lupus-overview, SL/Ni and MRL/Mp-lpr/lpr-. Kyogoku M, et al. **Prog Clin Biol Res** 1987;229:95–130

Patterns of autoimmunity to nucleoproteins in patients with systemic lupus erythematosus. Hardin JA, et al. **Rheum Dis Clin North Am** 1987 Apr;13(1):37–46 (23 ref.)

Anti-DNA antibodies of IgA class in patients with systemic lupus erythematosus. Gripenberg M, et al. **Rheumatol Int** 1986;6(2):53–5

Clinical significance of U1-RNP immune complexes in mixed connective tissue disease and systemic lupus erythematosus. Negoro N, et al. **Rheumatol Int** 1987;7(1):7–11

Aberrant lymphocyte trafficking in murine systemic lupus erythematosus. Schrieber L, et al. **Rheumatol Int** 1986; 6(5):215–9

Complement (C3) metabolism in systemic lupus erythematosus in relation to the disease course. Swaak AJ, et al. **Rheumatol Int** 1986;6(5):221–6

Antinuclear antibodies in patients with systemic lupus erythematosus: a comparison of counterimmunoelectrophoresis and immunoblotting. Westgeest AA, et al. **Rheumatol Int** 1987;7(2):77–82

Antibody class differences are detected in anti-nRNP and anti-Sm antibodies directed against distinct antigen subunits. Williams DG, et al. **Rheumatol Int** 1986; 6(4):189–92

Defective immune complex degradation by monocytes in patients with systemic lupus erythematosus. Kávai M, et al. **Scand J Immunol** 1986 Nov;24(5):527–32

The prevalence and clinical associations of the lupus anticoagulant in systemic lupus erythematosus. Derksen RH, et al. **Scand J Rheumatol** 1987;16(3):185–92

Changes in anti-DNA antibody affinity during exacerbations of systemic lupus erythematosus. Hale GM, et al. **Scand J Rheumatol** 1986;15(3):243–50

No association between antibodies to HTLV-1 and polymyositis, rheumatoid arthritis and SLE. Lolli F, et al. **Scand J Rheumatol** 1987;16(3):213–5

Chorea in systemic lupus erythematosus and "lupus-like" disease: association with antiphospholipid antibodies. Asherson RA, et al. **Semin Arthritis Rheum** 1987 May; 16(4):253–9

DNA antibody idiotypes: a review of their genetic, clinical, and immunopathologic features. Shoenfeld Y, et al. **Semin Arthritis Rheum** 1987 May;16(4):245–52 (56 ref.)

Rheumatic disease syndromes associated with antibodies to the Ro (SS-A) ribonuclear protein. Tsokos GC, et al. **Semin Arthritis Rheum** 1987 May;16(4):237–44 (60 ref.)

Immunopathology of SLE and related diseases. **Springer Semin Immunopathol** 1986;9(2-3):117–314

Passively acquired autoimmunity and the maternal fetal dyad in systemic lupus erythematosus. Buyon J, et al. **Springer Semin Immunopathol** 1986;9(2-3):283–304 (83 ref.)

Mechanisms of physiologic B cell responses and B cell hyperactivity in systemic lupus erythematosus. Zubler RH, et al. **Springer Semin Immunopathol** 1986;9(2-3):195–218 (135 ref.)

IgG binding to endothelial cells in systemic lupus erythematosus. Le Roux G, et al. **Thromb Haemost** 1986 Oct 21;56(2):144–6

Anticoagulant activity of anticardiolipin antibodies. Violi F, et al. **Thromb Res** 1986 Nov 15;44(4):543–7

In vitro production of antihistone antibodies in systemic lupus erythematosus (SLE) [letter] Gioud-Paquet M, et al. **Thymus** 1987;9(2):127–9

Detection by ELISA of antibodies to small RNA protein particles in systemic lupus erythematosus patients whose sera lack precipitins. Reichlin M, et al. **Trans Assoc Am Physicians** 1986;99:161–71

[Clinical significance of the anti-Sm antibody] Chen DL. **Chung Hua I Hsueh Tsa Chih** 1987 Jan;67(1):13–5 (Eng. Abstr.) **(Chi)**

[Effect of diseases on interleukin 2 production] Wu YY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1987 Apr;9(2):133–4 (Eng. Abstr.) **(Chi)**

[Relationship between the pathology of skin lesions and immunological parameters or clinical activity in SLE] Yu MX, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Oct; 8(5):347–52 (Eng. Abstr.) **(Chi)**

[Systemic lupus erythematosus (SLE) without antinuclear antibodies] Rørdam P, et al. **Ugeskr Laeger** 1986 Nov 3; 148(45):2925–6 (Eng. Abstr.) **(Dan)**

[Antiphospholipid antibodies in a series of 25 cases of lupus without antinuclear antibodies. Comparison with a series of 91 lupus patients with antinuclear antibodies] Meyer O, et al. **Ann Med Interne (Paris)** 1987;138(4):256–62 (Eng. Abstr.) **(Fre)**

[Pathogenic antibodies in systemic lupus erythematosus: anti-LAMP antibodies] Jacob L, et al. **C R Acad Sci [III]** 1986;303(6):193–5 (Eng. Abstr.) **(Fre)**

[New pathogenic concept of lupus erythematosus disseminatus: clinical and therapeutic implications] Jacob L. **C R Soc Biol (Paris)** 1987;181(1):11–4 **(Fre)**

[Components of the classical complement pathway in systemic lupus erythematosus] Maillet F, et al. **Presse Med** 1987 Mar 7;16(8):378–82 (Eng. Abstr.) **(Fre)**

[Mechanism of glomerular lesions in lupus erythematosus disseminatus] Tron F. **Presse Med** 1987 Apr 4;16(12):583–5 (32 ref.) (Eng. Abstr.) **(Fre)**

[Circulating anticoagulants, antinuclear antibodies and anticardiolipin: are these the same autoantibodies?] Youinou P. **Presse Med** 1987 Feb 21;16(6):289–90 **(Fre)**

[The diagnostic value of anti-DNA antibodies depends on the technic used for their detection] Abuaf N, et al. **Rev Med Interne** 1987 Mar-Apr;8(2):157–62 (Eng. Abstr.) **(Fre)**

[Is the target of anti-cardiolipin antibodies the same in Gougerot-Sjögren syndrome and lupus erythematosus disseminatus?] Moysan JF, et al. **Rev Med Interne** 1987 Mar-Apr;8(2):163–8 (Eng. Abstr.) **(Fre)**

[Antibodies to DNA—an inventory of the current status] Wollina U. **Dermatol Monatsschr** 1986;172(7):381–6 (Eng. Abstr.) **(Ger)**

[Significant association of HLA-B8 with systemic lupus erythematosus and with specific serological markers] Specker C, et al. **Dtsch Med Wochenschr** 1987 Apr 10; 112(15):577–80 (Eng. Abstr.) **(Ger)**

[Pan T, T4 and T8-positive lymphocytes in the peripheral blood of patients with systemic lupus erythematosus] Grunow R, et al. **Z Gesamte Inn Med** 1987 Mar 1; 42(5):130–4 (Eng. Abstr.) **(Ger)**

[Anticardiolipin antibodies: a new sero-immunologic marker in systemic lupus erythematosus?] Scagliusi P, et al. **Recenti Prog Med** 1987 May;78(5):230–4 (Eng. Abstr.) **(Ita)**

[Immunopathology of systemic lupus erythematosus] Hamashima Y. **Arerugi** 1986 Jun;35(6):379–86 (43 ref.) **(Jpn)**

[Herpes zoster in patients with systemic lupus erythematosus] Kusaba T, et al. **Kansenshogaku Zasshi** 1987 Feb; 61(2):134–9 (Eng. Abstr.) **(Jpn)**

[Relation between various autoimmune antibodies and serum complement levels in patients with systemic lupus erythematosus] Okumura N, et al. **Rinsho Byori** 1986 Aug; 34(8):967–72 **(Jpn)**

[Immune complexes in rheumatoid diseases, with special reference to plasma exchange therapy] Tsuda H, et al. **Rinsho Byori** 1986 Oct;Spec No 69:94–9 **(Jpn)**

[Various immunological and clinical aspects of juvenile chronic arthritis and systemic lupus erythematosus in children] Romicka AM, et al. **Pediatr Pol** 1986 Apr; 61(4):201–9 (Eng. Abstr.) **(Pol)**

[Presence of autoantibodies and the clinical course of systemic lupus erythematosus] Prokop J, et al. **Przegl Dermatol** 1986 May-Jun;73(3):238–44 (33 ref.) **(Pol)**

[Changes in the levels of soluble HLA antigens and their light chains (beta 2 microglobulin) in rheumatoid arthritis and systemic lupus erythematosus] Konenkov VI, et al. **Ter Arkh** 1986;58(7):57–9 (Eng. Abstr.) **(Rus)**

[Immunopathological manifestations of systemic lupus erythematosus and their correction during long-term dispensary observation] Matvelkov GP, et al. **Ter Arkh** 1987;59(5):27–31 (Eng. Abstr.) **(Rus)**

[Characteristics of the spontaneous humoral immunity reactions to collagen type I in systemic lupus erythematosus patients] Nesvizhskii IuV, et al. **Ter Arkh** 1986;58(12):84–7 (Eng. Abstr.) **(Rus)**

[Clinical value of determining the anti-DNA antibodies with different avidities in systemic lupus erythematosus] Tsebetsauér L, et al. **Ter Arkh** 1987;59(4):48–50 **(Rus)**

[Study of T lymphocyte subpopulations in patients with lupus erythematosus using monoclonal antibodies during immunocorrective therapy] Berenbein BA, et al. **Vestn Dermatol Venerol** 1987;(3):10–3 (Eng. Abstr.) **(Rus)**

[Study of the DNA-binding capacity of the blood serum in evaluating the activity of systemic lupus erythematosus and scleroderma] Glavinskaia TA, et al. **Vestn Dermatol Venerol** 1987;(6):20–2 (Eng. Abstr.) **(Rus)**

[The level of the T lymphocyte and B lymphocyte subpopulations in patients with systemic lupus erythematosus] Ljaljević M, et al. **Glas Srp Akad Nauka [Med]** 1985;(37):131–9 (Eng. Abstr.) **(Scc)**

[Complement deficiency, immunocomplexes and lupus erythematosus] Vivanco Martínez F. **Rev Clin Esp** 1987 Mar;180(5):264–8 (Eng. Abstr.) **(Spa)**

[Use of the C3b-RBC binding technic for the determination of immune complexes in patients with various pathologies] Garberi JC, et al. **Sangre (Barc)** 1986;31(6):685–92 (Eng. Abstr.) **(Spa)**

METABOLISM

Acetylator phenotype in patients with systemic lupus erythematosus [letter] Sardas S, et al. **Arthritis Rheum** 1986 Nov;29(11):1412–3

Spontaneous production of B cell growth factors by SLE lymphocytes. Pelton BK, et al. **Clin Exp Immunol** 1987 Jan;67(1):159–66

Coexistent systemic lupus erythematosus and urate deposition [letter] Tsuboi R, et al. **J Am Acad Dermatol** 1986 Nov; 15(5 Pt 1):1050–1

Expression of macrophage procoagulant activity in murine systemic lupus erythematosus. Cole EH, et al. **J Clin Invest** 1986 Oct;78(4):887–93

IL 1-like activities present in murine amniotic fluid. A significantly larger amount of IL 1 beta-like activity is present in the amniotic fluid of autoimmune NZB mice. Jyonouchi H, et al. **J Immunol** 1987 May 15;138(10):3300–7

Patterns of in vitro aspirin hydrolysis rates in rheumatoid arthritis and systemic lupus erythematosus. Costello PB, et al. **J Rheumatol** 1986 Oct;13(5):882–6

[Studies on the glucocorticoid receptor in human peripheral lymphocytes. III. Correlation between receptor number and clinical response to glucocorticoid] Oshima H. **Nippon Naibunpi Gakkai Zasshi** 1986 Nov 20; 62(11):1306–14 (Eng. Abstr.) **(Jpn)**

[Cyclic AMP level in T- and B lymphocytes in patients with rheumatoid arthritis and systemic lupus erythematosus] Bandzhiulene SIu, et al. **Ter Arkh** 1986;58(7):46–9 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Serological and virological evidence of human T-lymphotropic virus in systemic lupus erythematosus. Olsen RG, et al. **Med Microbiol Immunol (Berl)** 1987; 176(2):53–64

MORTALITY

Systemic lupus erythematosus. Follow-up study of 148 patients. II: Predictive factors of importance for course

and outcome. Halberg P, et al. **Clin Rheumatol** 1987 Mar; 6(1):22–6
Mortality in systemic lupus erythematosus. Ginzler E, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:218–22

NURSING

Pregnant women with systemic lupus erythematosus. Sala DJ, et al. **MCN** 1986 Nov–Dec;11(6):382–7

OCCURRENCE

Modification of a screening technique to evaluate systemic lupus erythematosus in a Chinese population in Taiwan. Chou CT, et al. **J Rheumatol** 1986 Aug;13(4):806–9
Clinical presentation of systemic lupus erythematosus in Saudi patients. Al Nahdi MS, et al. **Trop Geogr Med** 1987 Apr;39(2):187–90

PATHOLOGY

Lupus erythematosus cells in serum and pleural fluid of a patient with negative fluorescent antinuclear antibody test. Hidalgo C, et al. **Am J Clin Pathol** 1987 May;87(5):660–2
Sudden death in a 22-year-old woman with lupus erythematosus [clinical conference] **Am J Med** 1987 Jan; 82(1):65–72
Nailfold capillary microscopy in connective tissue disease: a quantitative morphological analysis. Lefford F, et al. **Ann Rheum Dis** 1986 Sep;45(9):741–9
The clinical spectrum of systemic lupus erythematosus in childhood. King KK, et al. **Arthritis Rheum** 1977 Mar;20(2 Suppl):287–94
Peripheral sensorimotor and autonomic neuropathy associated with systemic lupus erythematosus. Clinical, pathological and immunological features. McCombe PA, et al. **Brain** 1987 Apr;110 (Pt 2):533–49
Oral and sialochemical findings in patients with autoimmune rheumatic disease. Fox PC, et al. **Clin Exp Rheumatol** 1987 Apr–Jun;5(2):123–6
Hemopoietic cell dysfunction in murine lupus. Yoshida S, et al. **Clin Exp Rheumatol** 1987 Jan–Mar;5(1):79–87 (109 ref.)
Silent renal disease in systemic lupus erythematosus. Font J, et al. **Clin Nephrol** 1987 Jun;27(6):283–8
Renal biopsy in SLE irrespective of clinical findings: long–term follow–up. Stamenkovic I, et al. **Clin Nephrol** 1986 Sep;26(3):109–15
Vasculitis of the gall bladder in rheumatoid arthritis and systemic lupus erythematosus. Newbold KM, et al. **Clin Rheumatol** 1987 Jun;6(2):287–9
Immunopathology of cutaneous human lupus erythematosus defined by murine monoclonal antibodies. Andrews BS, et al. **J Am Acad Dermatol** 1986 Sep;15(3):474–81
The significance of an IgM band at the dermo–epidermal junction. Wojnarowska F, et al. **J Cutan Pathol** 1986 Oct; 13(5):359–62
Ultrastructural observations of skin lesions in MRL mice—dermal infiltrations and capillary changes. Horiguchi Y, et al. **J Dermatol (Tokyo)** 1986 Dec; 13(6):440–7
Systemic lupus erythematosus in a boy of 15 years. Datta SK. **J Indian Med Assoc** 1987 Apr;85(4):115–7
Immunoglobulin–producing cells in labial salivary glands of patients with rheumatoid arthritis and systemic lupus erythematosus. Matthews JB, et al. **J Oral Pathol** 1986 Nov; 15(10):520–3
Hepatocellular carcinoma and lupoid hepatitis (an autopsy study). Xu YH, et al. **J Tongji Med Univ** 1986;6(4):215–20
Clonal assay of human B–cell colonies from patients with B–cell–related malignancies and systemic lupus erythematosus. Otsuka T, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Jul;49(4):950–9
Pulmonary lesions in childhood onset systemic lupus erythematosus: analysis of 26 cases, and summary of literature. Nadorra RL, et al. **Pediatr Pathol** 1987;7(1):1–18
An immunohistochemical study of lymphocyte subsets and expression of glandular HLA–DR in labial salivary glands from patients with symptomatic xerostomia, rheumatoid arthritis and systemic lupus erythematosus. Matthews JB, et al. **Scand J Rheumatol [Suppl]** 1986;61:56–60
[Choreoathetosis syndrome in a female patient with systemic lupus erythematosus] Dimitrov D, et al. **Vutr Boles** 1986; 25(4):91–4 (Eng. Abstr.) **(Bul)**
[Systemic lupus erythematosus in elderly patients] Stoianova M, et al. **Vutr Boles** 1986;25(6):95–7 (Eng. Abstr.) **(Bul)**
[Cardiac involvement in systemic lupus erythematosus: a clinical and pathological analysis of 9 cases] Jiang M, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Nov;25(11):665–6, 701 (Eng. Abstr.) **(Chi)**
[The lupus band test. IV. Findings in persistent ANA negative SLE] Wollina U, et al. **Dermatol Monatsschr** 1986; 172(11):664–8 (Eng. Abstr.) **(Ger)**
[Urticaria–vasculitis with bullous eruptions in visceral lupus erythematosus] Faulhaber G, et al. **Z Hautkr** 1987 Jun 1; 62(11):839–40, 843–4 (Eng. Abstr.) **(Ger)**
[Abnormal left ventricular endocardial structures detected by two–dimensional echocardiography in systemic lupus erythematosus] Abe S, et al. **J Cardiogr** 1985 Dec; 15(4):1087–95 (Eng. Abstr.) **(Jpn)**
[A case of systemic lupus erythematosus with chronic non–suppurative cholangitis–like findings on liver biopsy] Saitoh K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul;83(7):1392–5 **(Jpn)**
[Calcification of crural soft tissues in systemic lupus erythematosus] Starzycki Z. **Przegl Dermatol** 1987 Jan–Feb; 74(1):51–4 (Eng. Abstr.) **(Pol)**
[Case of sudden death in systemic lupus erythematosus] Romashin FF, et al. **Sud Med Ekspert** 1987 Jan–Mar; 30(1):51 **(Rus)**
[Morphologic changes in the hypothalamus in systemic lupus erythematosus] Tolubaev NS, et al. **Vrach Delo** 1987 Jun; (6):82–4 (Eng. Abstr.) **(Rus)**
[Systemic lupus erythematosus and ascending motor paralysis (clinical conference)] **Medicina (B Aires)** 1985;45(2):175–82 **(Spa)**

PHYSIOPATHOLOGY

Alterations in myocardial systolic and diastolic function in patients with active systemic lupus erythematosus. Murai K, et al. **Am Heart J** 1987 Apr;113(4):966–71
Intramesangial passage of mononuclear phagocytes in murine lupus glomerulonephritis. Kimura M, et al. **Am J Pathol** 1987 Apr;127(1):149–56
Alveolar macrophage dysfunction in systemic lupus erythematosus. Wallaert B, et al. **Am Rev Respir Dis** 1987 Aug;136(2):293–7
Handedness in children with systemic lupus erythematosus [letter] **Arthritis Rheum** 1987 Mar;30(3):355–6
Study of DNA repair of the fibroblasts from patients with systemic lupus erythematosus. Ohta A, et al. **Jinrui Idengaku Zasshi** 1986 Dec;31(4):357–64
Neuronal antibodies and cognitive function in systemic lupus erythematosus. Denburg JA, et al. **Neurology** 1987 Mar; 37(3):464–7
Clinical neurophysiology in the assessment of neurological symptoms in systemic lupus erythematosus. Mongey AB, et al. **Rheumatol Int** 1987;7(2):49–52
Splenic platelet kinetics in systemic lupus erythematosus (SLE). Wadenvik H, et al. **Scand J Rheumatol** 1987; 16(3):193–8
[Nail–fold microcirculatory flow in liver cirrhosis: diabetes mellitus and systemic lupus erythematosus] Yuan SY. **Chung Hua I Hsueh Tsa Chih** 1986 Aug;66(8):473–5, 512 (Eng. Abstr.) **(Chi)**
[Lupus and pregnancy] Pennec Y, et al. **Arch Fr Pediatr** 1986 Oct;43(8):655–63 **(Fre)**
[The pathophysiologic and therapeutic significance of circulating anticoagulants in SLE] Averbuch M, et al. **Harefuah** 1986 Dec 1;111(11):375–7 (29 ref.) **(Heb)**
[Characteristics of the immune system, hypophyseo–adrenal system and cyclic nucleotide balance in patients with lupus erythematosus] Nesterenko GB, et al. **Vestn Dermatol Venerol** 1987;(6):23–7 (Eng. Abstr.) **(Rus)**
[Noninvasive examination of the heart in progressive systemic sclerosis and systemic lupus erythematosus] Mechir J, et al. **Vnitr Lek** 1986 Nov;32(11):1087–93 (Eng. Abstr.) **(Slo)**

PREVENTION & CONTROL

Prevention of lupus diseases in MRL/1, NZBxNZW, and BXSB mice treated with a cyclophosphazene derived drug. Dueymes M, et al. **Clin Immunol Immunopathol** 1986 Nov; 41(2):193–205
Effects of LS–2616 administration upon the autoimmune disease of (NZB x NZW) F1 hybrid mice. Tarkowski A, et al. **Immunology** 1986 Dec;59(4):589–94

PSYCHOLOGY

Cognitive impairment in systemic lupus erythematosus: a neuropsychological study of individual and group deficits. Denburg SD, et al. **J Clin Exp Neuropsychol** 1987 Aug; 9(4):323–39
[Clinical observations on the psychopathological manifestations of systemic lupus erythematosus] Grecu G, et al. **Rev Med Interna [Neurol Psihiatr]** 1987 Jan–Mar; 32(1):43–55 (Eng. Abstr.) **(Rum)**

RADIOGRAPHY

Unusual cranial and abdominal computed tomographic (CT) scan appearances in a case of systemic lupus erythematosus (SLE). Boulter M, et al. **Ann Rheum Dis** 1987 Feb; 46(2):162–5

RADIONUCLIDE IMAGING

Waxing and waning of abdominal organ 67Ga uptake in a male with lupus: a potential for organ–specific therapy [letter] Spencer RP, et al. **Int J Rad Appl Instrum [B]** 1987; 14(2):161–2

RADIOTHERAPY

Ultraviolet–A light prolongs survival and improves immune function in (New Zealand black x New Zealand white)F1 hybrid mice. McGrath H Jr, et al. **Arthritis Rheum** 1987 May;30(5):557–61

SURGERY

Mitral valve replacement for lupus valvulitis. Rozman B, et al. **Z Rheumatol** 1986 Nov–Dec;45(6):322–4

THERAPY

Synchronization of plasmapheresis and pulse cyclophosphamide in severe systemic lupus erythematosus. Schroeder JO, et al. **Ann Intern Med** 1987 Sep;107(3):344–6
A possible new therapy of systemic lupus erythematosus (SLE). Borel H, et al. **Ann NY Acad Sci** 1986;475:296–306
Hormonal approaches to immunotherapy of autoimmune disease. Talal N, et al. **Ann NY Acad Sci** 1986;475:320–8
Treatment with high doses of anti–IgM prevents, but with lower doses accelerates autoimmune disease in (NZW x BXSB)F1 hybrid mice. Cerny A, et al. **J Immunol** 1987 Jun 15;138(12):4222–8
Reversal of advanced murine lupus in NZB/NZW F1 mice by treatment with monoclonal antibody to L3T4. Wofsy D, et al. **J Immunol** 1987 May 15;138(10):3247–53
Pregnancy among patients with systemic lupus erythematosus receiving immunosuppressive therapy. Meehan RT, et al. **J Rheumatol** 1987 Apr;14(2):252–8
Plasma exchange for cerebral lupus erythematosus [letter] [published erratum appears in Lancet 1987 Jan 17;1(8525):176] **Lancet** 1987 Jan 10;1(8524):103
Plasma exchange for cerebral lupus erythematosus [letter] Guthrie JA, et al. **Lancet** 1987 Feb 28;1(8531):506–7
Interleukin–2 induction, response and therapy on murine lupus lesions in the MRL/1 strain. Abe C, et al. **Prog Clin Biol Res** 1987;229:147–56
Treatment of systemic lupus erythematosus. Miescher PA. **Springer Semin Immunopathol** 1986;9(2–3):271–82 (29 ref.)
[Corticotherapy and plasma exchange in systemic lupus erythematosus] Rahbar K, et al. **Ann Med Interne (Paris)** 1986;137 Suppl:41–8 (39 ref.) **(Fre)**
[Acute neurologic complications and coagulation disorders in a child with lupus. Spectacular improvement after a plasma exchange (letter)] Blanchard P, et al. **Arch Fr Pediatr** 1986 Apr;43(4):292–3 **(Fre)**
[Plasma exchange therapy in children and adolescents with systemic lupus erythematosus (SLE)] Pistor K, et al. **Monatsschr Kinderheilkd** 1987 Jan;135(1):47–50 (Eng. Abstr.) **(Ger)**
[Immunoregulatory subpopulations of T–lymphocytes of systemic lupus erythematosus patients before and after hemosorption] Lysenko GI, et al. **Vrach Delo** 1987 Feb; (2):94–8 (Eng. Abstr.) **(Rus)**

URINE

[Systemic lupus erythematosus without changes in the examination of the urine] Rojas C, et al. **Rev Med Chil** 1987 Feb;115(2):120–5 (Eng. Abstr.) **(Spa)**

LUPUS GLOMERULONEPHRITIS see LUPUS NEPHRITIS

LUPUS NEPHRITIS

NIH conference. Lupus nephritis. Balow JE, et al. **Ann Intern Med** 1987 Jan;106(1):79–94
[Tubulo–interstitial involvement of the kidney in systemic lupus erythematosus] Gur H, et al. **Harefuah** 1987 Jan 15; 112(2):77–8 (21 ref.) **(Heb)**

BLOOD

Decreased expression of C3b receptor (CR1) on erythrocytes of patients with systemic lupus erythematosus contrasts with its normal expression in other systemic diseases and does not correlate with the occurrence or severity of SLE nephritis. Jouvin MH, et al. **Complement** 1986;3(2):88–96

CHEMICALLY INDUCED

[Rheumatoid arthritis associated with lupus nephritis of probable iatrogenic origin (letter)] Jordà Heras MM, et al. **Med Clin (Barc)** 1987 Mar 14;88(10):433–4 **(Spa)**

COMPLICATIONS

Nephrotic syndrome due to glomerulonephritis and acute renal failure due to hypovolemic shock [clinical conference] **Am J Nephrol** 1986;6(5):403–12
Tubulointerstitial disease in lupus nephritis: relationship to immune deposits, interstitial inflammation, glomerular changes, renal function, and prognosis. Park MH, et al. **Nephron** 1986;44(4):309–19

DIAGNOSIS

Pregnancy in lupus nephritis and related disorders. Bobrie G, et al. **Am J Kidney Dis** 1987 Apr;9(4):339–43 (18 ref.)
Lupus nephritis. New sonographic findings. Longmaid HE 3d, et al. **J Ultrasound Med** 1987 Feb;6(2):75–9
[Diagnosis of lupus nephritis] Ritz E, et al. **Dtsch Med Wochenschr** 1987 Mar 6;112(10):395–6 **(Ger)**
[Clinical and laboratory diagnosis of lupus nephropathy in childhood] Sernia O, et al. **Minerva Urol Nefrol** 1986 Jul–Sep;38(3):299–312 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Pulsed methylprednisolone therapy compared to high dose prednisone in systemic lupus erythematosus nephritis. Garin EH, et al. **Eur J Pediatr** 1986 Oct;145(5):380–3
Indomethacin and ibuprofen–induced reversible acute renal failure in a patient with systemic lupus erythematosus. ter Borg EJ, et al. **Neth J Med** 1987 Apr;30(3–4):181–6
Studies of immunosuppressive drugs in the treatment of lupus nephritis. Klippel JH, et al. **Rheum Dis Clin North Am** 1987

Apr;13(1):47-56
Systemic lupus erythematosus--the nephrologist's viewpoint. Dillard MG. **Transplant Proc** 1987 Apr;19(2 Suppl 2):57-9
[Treatment of lupus nephropathies without corticoids] Pourrat JP, et al. **Ann Med Interne (Paris)** 1986;137 Suppl:36-40 **(Fre)**
[Study of immunosuppressive drugs in lupus nephritis] Klippel JH, et al. **Ter Arkh** 1986;58(7):109-11 **(Rus)**
[Remote results of the treatment of lupus nephritis] Demin AA, et al. **Urol Nefrol (Mosk)** 1986 Sep-Oct;(5):32-6 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Is there a pathogenetic role of hepatitis B virus in lupus nephritis? Lai KN, et al. **Arch Pathol Lab Med** 1987 Feb; 111(2):185-8
Thirty-four-year delayed-onset lupus nephritis: a case report [letter] Adelman DC, et al. **Arthritis Rheum** 1987 Apr; 30(4):479-80
Lupus nephritis and encephalopathy. Prognosis in 58 children. Cassidy JT, et al. **Arthritis Rheum** 1977 Mar;20(2 Suppl):315-22

IMMUNOLOGY

Increased serum IgE levels in patients with lupus nephritis [letter] Laurent J, et al. **Am J Nephrol** 1986;6(5):413-4
Origins of pathogenic anti-DNA idiotypes in the NZB X SWR model of lupus nephritis. Datta SK, et al. **Ann NY Acad Sci** 1986;475:47-58 (77 ref.)
Antibodies against nuclear antigens: association with lupus nephritis. Clough JD, et al. **Cleve Clin Q** 1986 Fall; 53(3):259-65
Testing strategies for antibodies against nuclear antigens in lupus nephritis [editorial] Galen RS. **Cleve Clin Q** 1986 Fall;53(3):257-8
Quantitation of (C1INH)2 C1r-C1s complexes in glomerulonephritis as an indicator of C1 activation. Waldo FB, et al. **Clin Immunol Immunopathol** 1987 Feb; 42(2):239-49
T lymphocyte subsets and antilymphocyte antibodies in lupus nephritis. Patel R, et al. **Clin Nephrol** 1986 Aug;26(2):83-6
Studies on the mechanisms of the development of lupus nephritis in BXSB mice. I. Analyses of immunological abnormalities at the onset period. Makino M, et al. **J Clin Lab Immunol** 1987 Mar;22(3):127-31
Induction of a cationic shift in IgG anti-DNA autoantibodies. Role of T helper cells with classical and novel phenotypes in three murine models of lupus nephritis. Datta SK, et al. **J Exp Med** 1987 May 1;165(5):1252-68
Mechanisms of T and B cell collaboration in the in vitro production of anti-DNA antibodies in the NZB/NZW F1 murine SLE model. Ando DG, et al. **J Immunol** 1987 May 15;138(10):3185-90
The NZB X SWR model of lupus nephritis. I. Cross-reactive idiotypes of monoclonal anti-DNA antibodies in relation to antigenic specificity, charge, and allotype. Identification of interconnected idiotype families inherited from the normal SWR and the autoimmune NZB parents. Gavalchin J, et al. **J Immunol** 1987 Jan 1;138(1):128-37
The NZB X SWR model of lupus nephritis. II. Autoantibodies deposited in renal lesions show a distinctive and restricted idiotypic diversity. Gavalchin J, et al. **J Immunol** 1987 Jan 1;138(1):138-48
Monoclonal antibody identification of infiltrating mononuclear leukocytes in lupus nephritis. D'Agati VD, et al. **Kidney Int** 1986 Oct;30(4):573-81
Relationship between renal pathology and the size of circulating immune complexes in patients with systemic lupus erythematosus. Wener MH, et al. **Medicine (Baltimore)** 1987 Mar;66(2):85-97
[Characteristics of the immune complex process in patients with systemic lupus erythematosus with predominant kidney involvement] Nasonov EL, et al. **Ter Arkh** 1986; 58(8):57-62 **(Rus)**

METABOLISM

Platelet cationic proteins are present in glomeruli of lupus nephritis patients. Camussi G, et al. **Kidney Int** 1986 Oct; 30(4):555-65

MORTALITY

Mortality in SLE nephritis. Suleiman AB, et al. **Ann Acad Med Singapore** 1987 Jan;16(1):175-8
[Survival of patients with diffuse glomerulonephritis in disseminated lupus erythematosus treated with a combination of anticoagulants, corticosteroids and immunosuppressants] Belovezhdov N, et al. **Vutr Boles** 1987;26(1):21-7 (Eng. Abstr.) **(Bul)**

PATHOLOGY

Clinical significance of renal biopsies showing mixed mesangial and global proliferative lupus nephritis. Baumal R, et al. **Am J Kidney Dis** 1987 Sep;10(3):236-40
Histopathologic evaluation of lupus patients with transient renal failure. Henry R, et al. **Am J Kidney Dis** 1986 Dec; 8(6):417-21
Short-term prognosis of severe proliferative lupus nephritis. Kasinath BS, et al. **Am J Kidney Dis** 1986 Oct;8(4):239-43
Histologic features that correlate with the prognosis of patients with lupus nephritis. Lewis EJ, et al. **Am J Kidney Dis** 1987 Sep;10(3):192-7
Silent renal disease in systemic lupus erythematosus. Font J, et al. **Clin Nephrol** 1987 Jun;27(6):283-8
Lupus nephritis: a 13-year experience. Walker RJ, et al. **NZ Med J** 1986 Nov 26;99(814):894-6
The role of renal biopsy in the management of lupus nephritis. Schwartz MM. **Semin Nephrol** 1985 Dec;5(4):255-63
[Lupus nephritis in autopsy material. Morphological studies] Iványi B, et al. **Morphol Igazsagugyi Orv Sz** 1986 Oct; 26(4):279-87 (Eng. Abstr.) **(Hun)**
[Development of lupus nephritis in childhood] Ghio L, et al. **Pediatr Med Chir** 1986 May-Jun;8(3):325-8 (Eng. Abstr.) **(Ita)**
[Clinicopathological study of four cases of SLE nephritis in children with long-term remission after 15 flare-ups] Katsumata Y. **Nippon Jinzo Gakkai Shi** 1986 Nov; 28(11):1531-44 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Occurrence of renal tubular dysfunction in lupus nephritis. Kozeny GA, et al. **Arch Intern Med** 1987 May;147(5):891-5

THERAPY

Hemodialysis and lupus nephritis in MKSAP VII [letter] Eiser AR, et al. **Ann Intern Med** 1987 Oct;107(4):603
A case of recurrent lupus nephritis after renal transplantation. Kumano K, et al. **Clin Nephrol** 1987 Feb;27(2):94-8
Rapid improvement in severe lupus glomerular lesions following intensive plasma exchange associated with immunosuppression [letter] Talwalkar YB, et al. **Clin Nephrol** 1987 Feb;27(2):102
In vivo treatment of (NZB X NZW)F1 lupus-like nephritis with monoclonal antibody to gamma interferon. Jacob CO, et al. **J Exp Med** 1987 Sep 1;166(3):798-803
The treatment of lupus nephritis [clinical conference] Steinberg AD. **Kidney Int** 1986 Nov;30(5):769-87 (165 ref.)
Animal models utilized in the research of autoimmune disease control: experimental therapy of glomerulonephritis in NZB/W F1 mice. Okudaira H, et al. **Prog Clin Biol Res** 1987;229:157-74

URINE

Determination of urinary albumin excretion by radioimmunoassay in patients with subclinical lupus nephritis. Terai C, et al. **Clin Nephrol** 1987 Feb;27(2):79-83

LUPUS VULGARIS see **LUPUS**

LURCHER MICE see **MICE, NEUROLOGIC MUTANTS**

LURIA-NEBRASKA NEUROPSYCHOLOGICAL BATTERY see under **NEUROPSYCHOLOGICAL TESTS**

LUTEAL MAINTENANCE see **CORPUS LUTEUM MAINTENANCE**

LUTEAL PHASE

Hysteroscopy and endometrial biopsy. Noci I, et al. **Acta Eur Fertil** 1987 Jan-Feb;18(1):59-60
The primary treatment of luteal phase inadequacy: progesterone versus clomiphene citrate. Huang KE. **Am J Obstet Gynecol** 1986 Oct;155(4):824-8
Prolactin as an inhibitor of granulosa cell luteinization: implications for hyperprolactinemia-associated luteal phase dysfunction. Adashi EY, et al. **Fertil Steril** 1987 Jul; 48(1):131-9
Luteal phase dysfunction in endometriosis: elevated progesterone levels in peripheral and ovarian veins during the follicular phase. Ayers JW, et al. **Fertil Steril** 1987 Jun; 47(6):925-9
Quantitative histochemistry of late luteal phase human endometrium. Holt JP Jr, et al. **Fertil Steril** 1987 Jan; 47(1):76-81
The effect of the day of initiation of ovarian stimulation in the day of luteinizing hormone surge and outcome of in vitro fertilization. Mahadevan MM, et al. **Fertil Steril** 1987 Jun;47(6):976-9
Anterior pituitary dysfunction during the luteal phase following ovarian hyperstimulation. Martikainen H, et al. **Fertil Steril** 1987 Mar;47(3):446-9
Serum progesterone levels following vaginal administration of progesterone during the luteal phase. Myers ER, et al. **Fertil Steril** 1987 Jan;47(1):71-5
The effects of inducing a follicular phase gonadotropin secretory pattern in normal women during the luteal phase. Soules MR, et al. **Fertil Steril** 1987 Jan;47(1):45-53
Diurnal variations in midluteal serum progesterone measurements. Syrop CH, et al. **Fertil Steril** 1987 Jan; 47(1):67-70
Ultrasonographic monitoring of follicular growth for luteal phase defects. Ying YK, et al. **Fertil Steril** 1987 Sep; 48(3):433-6
Progesterone and LH variations after LH-RH administration in the luteal phase of the menstrual cycle. Caruso A, et al. **Horm Res** 1986;24(1):18-25
The significance of luteal phase deficiency on fertility: a diagnostic and therapeutic approach [published erratum appears in Hum Reprod 1986 Nov;1(7):496] Balasch J, et al. **Hum Reprod** 1986 Apr;1(3):145-7
Steroid profiles during cycles with HCG stimulation of luteal function during in-vitro fertilization cycles. Blacker C, et al. **Hum Reprod** 1986 Feb;1(2):69-73
The sonographic and endocrinologic evaluation of the endometrium in the luteal phase. Deichert U, et al. **Hum Reprod** 1986 Jun;1(4):219-22
Mechanisms associated with subnormal luteal function. Garverick HA, et al. **J Anim Sci** 1986;62 Suppl 2:92-105 (146 ref.)
Luteal responses to gonadotropin-releasing hormone during the luteal phase: relation to the age of corpus luteum. Caruso A, et al. **J Clin Endocrinol Metab** 1987 Feb; 64(2):274-8
Postpartum return of ovarian activity in nonbreastfeeding women monitored by urinary assays. Gray RH, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):645-50
Endometrial cytosolic and nuclear progesterone receptors in the luteal phase defect. Jacobs MH, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):472-5
Luteal phase concentrations of a progestagen-associated endometrial protein (PEP) in the serum of cycling women with adequate or inadequate endometrium. Joshi SG, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1247-9
Hormonal dynamics during luteal-follicular transition. Mais V, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1109-14
The effect of luteal phase estrogen antagonism on luteinizing hormone pulsatility and luteal function in women. Maruncic M, et al. **J Clin Endocrinol Metab** 1987 Jan; 64(1):148-52
Changes in FSH and the pulsatile secretion of LH during treatment of ewes with bovine follicular fluid throughout the luteal phase of the oestrous cycle. Wallace JM, et al. **J Endocrinol** 1986 Nov;111(2):317-27
Differences in the luteal phases after failed or successful in vitro fertilization and embryo replacement. Lejeune B, et al. **J In Vitro Fert Embryo Transfer** 1986 Dec;3(6):358-65
Disparate effects of endogenous and exogenous oestradiol on luteal phase function in women. Messinis IE, et al. **J Reprod Fertil** 1987 Mar;79(2):549-54
Exercise performance and ventilatory response in the menstrual cycle. Dombovy ML, et al. **Med Sci Sports Exerc** 1987 Apr;19(2):111-7
An evaluation of late luteal phase endometrium in women requesting reversal of tubal ligation. Hague WE, et al. **Obstet Gynecol** 1987 Jun;69(6):926-8
Resumption of ovulation after ectopic pregnancy. Spirtos NM, et al. **Obstet Gynecol** 1987 Jun;69(6):933-5
Luteal phase defect and premenstrual syndrome in an infertile population. Ying YK, et al. **Obstet Gynecol** 1987 Jan; 69(1):96-8
Luteal phase defects. Lee CS. **Obstet Gynecol Surv** 1987 May; 42(5):267-74 (58 ref.)
[The corpus luteum in the ultrasound image and its endocrine function] Deichert U, et al. **Geburtshilfe Frauenheilkd** 1987 May;47(5):308-15 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Luteal phase after ovarian hyperstimulation. Messinis IE, et al. **Br J Obstet Gynaecol** 1987 Apr;94(4):345-50
Oral contraceptives abolish luteal phase exacerbation of hyperglycemia in type I diabetes [letter] Sacerdote A, et al. **Diabetes Care** 1982 Nov-Dec;5(6):651-2
Suppression of luteal function by a luteinizing hormone-releasing hormone antagonist during the early luteal phase in the stumptailed macaque monkey and the effects of subsequent administration of human chorionic gonadotropin. Fraser HM, et al. **Endocrinology** 1987 Aug; 121(2):612-8
Is the decrease in the hypophysiotropic signal frequency normally observed during the luteal phase important for menstrual cyclicity in the primate? Lam NY, et al. **Endocrinology** 1987 May;120(5):2044-9
Pulsatile intravenous gonadotropin-releasing hormone for ovulation-induction in infertile women. II. Analysis of follicular and luteal phase responses. Jansen RP, et al. **Fertil Steril** 1987 Jul;48(1):39-44
Early luteal function following danazol therapy for endometriosis. Balasch J, et al. **Hum Reprod** 1986 Aug; 1(5):291-3
The efficacy of progesterone in achieving successful pregnancy: II. In women with pure luteal phase defects. Check JH, et al. **Int J Fertil** 1987 Mar-Apr;32(2):139-41
The efficacy of progesterone in achieving successful pregnancy: I. Prophylactic use during luteal phase in anovulatory women. Check JH, et al. **Int J Fertil** 1987 Mar-Apr;32(2):135-8

LUTEAL REGRESSION see **CORPUS LUTEUM REGRESSION**

LUTEIN CELLS see under **CORPUS LUTEUM**

LUTEINIZING HORMONE see **LH**

LUTEINIZING HORMONE RECEPTORS see **RECEPTORS, LH**

LUTEINOMA see **THECA CELL TUMOR**

LUTEMBACHER'S SYNDROME see under **HEART SEPTAL DEFECTS, ATRIAL**

LUTEOLYTIC AGENTS

[Study on antifertility activity of anordrin analogs] Li S, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Mar; 17(1):48–50 (Eng. Abstr.) **(Chi)**

ANTAGONISTS & INHIBITORS

Identification of bovine trophoblast protein–1, a secretory protein immunologically related to ovine trophoblast protein–1. Helmer SD, et al. **J Reprod Fertil** 1987 Jan; 79(1):83–91

PHARMACODYNAMICS

Relationship between progesterone suppression and pregnancy in rats. Carnathan GW, et al. **J Pharm Pharmacol** 1987 May;39(5):401–4

[Studies on the effect of anordrin on blastocyst transfer implantation in rabbits] Chen HL, et al. **Sheng Li Hsueh Pao** 1986 Oct;38(5):545–9 (Eng. Abstr.) **(Chi)**

[Use of a luteolytic prostaglandin in rabbit meat production] Lammers HJ, et al. **DTW** 1987 Jul–Au;;94(7):410–2 (Eng. Abstr.) **(Ger)**

LUTEOMA see **THECA CELL TUMOR**

LUTHERAN BLOOD–GROUP SYSTEM

New abnormalities in the morphology, cell surface receptors, and electrolyte metabolism of In(Lu) erythrocytes. Udden MM, et al. **Blood** 1987 Jan;69(1):52–7

GENETICS

Major genes of eye color and hair color linked to LU and SE. Eiberg H, et al. **Clin Genet** 1987 Mar;31(3):186–91

IMMUNOLOGY

Evidence that the Lub blood group antigen is located on red cell membrane glycoproteins of 85 and 78 kd. Parsons SF, et al. **Transfusion** 1987 Jan–Feb;27(1):61–3

LUTROPIN see **LH**

LUTROPIN RECEPTORS see **RECEPTORS, LH**

LUTZOMYIA see **PSYCHODIDAE**

LY ANTIGENS see **ANTIGENS, LY**

LYASES

ANALYSIS

Purification of bovine protoporphyrinogen oxidase: immunological cross–reactivity and structural relationship to ferrochelatase. Siepker LJ, et al. **Biochim Biophys Acta** 1987 Jul 7;913(3):349–58

Characterization of the reactivity of sulphydryl groups in tryptophanase by a dual–monitoring high–performance liquid chromatographic system with a site–directed fluorescent reagent. Honda T, et al. **J Chromatogr** 1986 Dec 26;371:353–60

ANTAGONISTS & INHIBITORS

Inhibition of urea cycle enzymes by lysine and saccharopine. Ameen M, et al. **Biochem Int** 1987 Mar;14(3):395–400

Inhibition of ferrochelatase during differentiation of murine erythroleukaemia cells. Fadigan A, et al. **Biochem J** 1987 Apr 15;243(2):419–24

Inhibition of adenylosuccinate lyase by L–alanosyl–5–aminoimidazole–4–carboxylic acid ribonucleotide (alanosyl–AICOR). Casey PJ, et al. **Biochem Pharmacol** 1987 Mar 1;36(5):705–9

Conversion of shikimic acid into 2–crotonyloxymethyl–(4R,5R,6S)–4,5,6–trihydroxycyclohex–2– ene analogous to a glyoxalase I inhibitor. Jung M. **J Antibiot (Tokyo)** 1987 May;40(5):720–2

Metabolism of threo–beta–fluoroaspartate by H4 cells. Inhibition of adenylosuccinate lyase by fluoro analogs of its substrates. Casey PJ, et al. **J Biol Chem** 1986 Oct 15; 261(29):13637–42

Ferrochelatase–inhibitory activity and N–alkylprotoporphyrin formation with analogues of 3,5–diethoxycarbonyl–1,4–dihydro–2,4,6–trimethylpyridine (DDC) containing extended 4–alkyl groups: implications for the active site of ferrochelatase. McCluskey SA, et al. **Mol Pharmacol** 1986 Oct;30(4):352–7

The effects of various substituted hydrocarbons on two heme synthesis regulatory enzymes. Williams H, et al. **Res Commun Chem Pathol Pharmacol** 1986 Sep; 53(3):373–80

BLOOD

Amino acid specific ADP–ribosylation: substrate specificity of an ADP–ribosylarginine hydrolase from turkey erythrocytes. Moss J, et al. **Biochemistry** 1986 Sep 23; 25(19):5408–14

DEFICIENCY

Absence of argininosuccinate lyase protein in the liver of two patients with argininosuccinic aciduria. Kobayashi K, et al. **Clin Chim Acta** 1986 Aug 30;159(1):59–67

A somatic cell hybrid with a single human chromosome 22 corrects the defect in the CHO mutant (Ade–I) lacking adenylosuccinase activity. Van Keuren ML, et al. **Cytogenet Cell Genet** 1987;44(2–3):142–7

Ultrastructural study of the liver in argininosuccinase deficiency. Travers H, et al. **Pediatr Pathol** 1986; 5(3–4):307–18

GENETICS

A cline for glyoxalase I allele frequencies in Italy. Beretta M, et al. **Ann Hum Biol** 1986 Jul–Aug;13(4):341–5

Genetic polymorphism of GPT and GLO–I in Galicia (northwest Spain): a comparative study. Caeiro JL, et al. **Anthropol Anz** 1987 Mar;45(1):63–70

Population genetics of glyoxalase I (GLO) polymorphism in India. Chahal SM, et al. **Anthropol Anz** 1986 Sep; 44(3):249–56

Molecular cloning of the Pseudomonas putida glyoxalase I gene in Escherichia coli. Rhee H, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):831–8

Molecular cloning of cDNA for argininosuccinate lyase of rat liver. Amaya Y, et al. **Biochem Int** 1986 Sep;13(3):433–8

Identification and sequence of the gene encoding cytochrome c heme lyase in the yeast Saccharomyces cerevisiae. Dumont ME, et al. **EMBO J** 1987 Jan;6(1):235–41

Evolution of biosynthetic pathways: a common ancestor for threonine synthase, threonine dehydratase and D–serine dehydratase. Parsot C. **EMBO J** 1986 Nov;5(11):3013–9

Polymorphism of human red cell glyoxalase I in six ethnic groups of China. Li SZ, et al. **Hum Genet** 1986 Nov; 74(3):318–9

No evidence for an association between glyoxalase I and haptoglobin in nine Spanish populations. de Pancorbo MM, et al. **Hum Hered** 1987;37(3):157–60

Joint phenotype distributions at the glyoxalase I and haptoglobin loci in Finland. Virtaranta–Knowles K, et al. **Hum Hered** 1987;37(1):59–61

Cloning and characterization of the cysAMK region of Salmonella typhimurium. Hulanicka MD, et al. **J Bacteriol** 1986 Oct;168(1):322–7

Photoreactivation in phr mutants of Escherichia coli K–12. Husain I, et al. **J Bacteriol** 1987 Jun;169(6):2367–72

Population frequencies of carbonic anhydrase II (CA II), esterase D (EsD), and glyoxalase I (GLO) in the Metropolitan Birmingham, Alabama area. Meighen AG, et al. **J Forensic Sci** 1986 Oct;31(4):1366–72

The simultaneous separation of the enzymes glyoxalase I, esterase D, and phosphoglucomutase. Wraxall BG, et al. **J Forensic Sci** 1986 Oct;31(4):1439–49

Molecular cloning of cDNAs for argininosuccinate lyase and arginase of rat liver. Kawamoto S, et al. **J Inherited Metab Dis** 1986;9(3):309–12

Molecular genetics of met 17 and met 25 mutants of Saccharomyces cerevisiae: intragenic complementation between mutations of a single structural gene. D'Andrea R, et al. **MGG** 1987 Apr;207(1):165–70

Molecular cloning of cDNA for rat argininosuccinate lyase and its expression in rat hepatoma cell lines. Lambert MA, et al. **Mol Cell Biol** 1986 May;6(5):1722–8

Evaluation of homology between cloned Escherichia coli and yeast DNA photolyase genes and higher eukaryotic genomes. Meechan PJ, et al. **Mutat Res** 1986 Sep; 166(2):143–7

Nucleotide sequence of the Saccharomyces cerevisiae MET25 gene. Kerjan P, et al. **Nucleic Acids Res** 1986 Oct 24;14(20):7861–71

Cloning and DNA sequence of the mercuric– and organomercurial–resistance determinants of plasmid pDU1358. Griffin HG, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3112–6

Cloning and sequence analysis of cDNA for human argininosuccinate lyase. O'Brien WE, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7211–5

Discrimination value of class III and glyoxalase alleles for selection of histocompatible bone marrow donors. Wölpl A, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2632–5

IMMUNOLOGY

Chemical modification of tryptophanase from E. coli with polyethylene glycol to reduce its immunoreactivity towards anti–tryptophanase antibodies. Yoshimoto T, et al. **Enzyme** 1986;36(4):261–5

ISOLATION & PURIFICATION

Purification and characterization of the sesquiterpene cyclase trichodiene synthetase from Fusarium sporotrichioides. Hohn TM, et al. **Arch Biochem Biophys** 1986 Dec; 251(2):756–61

Isolation of human ferrochelatase [letter] Mathews–Roth MM, et al. **Arch Dermatol** 1987 Apr;123(4):429–30

Purification and characterization of glyoxalase I from Pseudomonas putida. Rhee H, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):993–9

Purification and active site modification studies on glyoxalase I from monkey intestinal mucosa. Baskaran S, et al. **Biochim Biophys Acta** 1987 Jul 7;913(3):377–85

Activation of serine sulphydrase from baker's yeast (Saccharomyces cerevisiae) by vanadate. Meisch HU, et al. **Biochim Biophys Acta** 1987 Aug 13;925(2):234–7

Purification, partial characterization and substrate specificity of a squalene cyclase from Bacillus acidocaldarius. Neumann S, et al. **Biol Chem Hoppe Seyler** 1986 Aug; 367(8):723–9

Mucopolysaccharidases from Pseudomonas sp. Isolation and partial characterization of constitutive enzymes involved in the degradation of keratan sulfate and chondroitin sulfate. Horton DS, et al. **Eur J Biochem** 1986 Nov 17; 161(1):139–47

Purification and characterization of cystathionine gamma–synthase type II from Bacillus sphaericus. Kanzaki H, et al. **Eur J Biochem** 1987 Feb 16;163(1):105–12

A cystine–dependent inactivator of tyrosine aminotransferase co–purifies with gamma–cystathionase (cystine desulfurase). Hargrove JL, et al. **J Biol Chem** 1987 May 25;262(15):7351–7

Tryptophanase from Escherichia coli B/1t7–A. Behbahani–Nejad I, et al. **Methods Enzymol** 1987; 142:414–22

Chorismate synthase: a bifunctional enzyme in Neurospora crassa. Gaertner FH. **Methods Enzymol** 1987;142:362–6

Dehydroquinate synthase from Escherichia coli, and its substrate 3–deoxy–D–arabino–heptulosonic acid 7–phosphate. Mehdi S, et al. **Methods Enzymol** 1987; 142:306–14

METABOLISM

Regulation of sulphur amino acids metabolic enzymes in Cephalosporium acremonium strains differing in antibiotic production. Lewandowska M, et al. **Acta Microbiol Pol** 1987;36(1–2):39–51

Studies on the mechanism of S–cysteine conjugate metabolism and toxicity in rat liver, kidney, and a cell culture model. Stevens JL, et al. **Adv Exp Med Biol** 1986; 197:381–90

Reactions of O–acyl–L–serines with tryptophanase, tyrosine phenol–lyase, and tryptophan synthase. Phillips RS. **Arch Biochem Biophys** 1987 Jul;256(1):302–10

Radiolabeling of a wound–inducible pyridoxal phosphate–utilizing enzyme: evidence for its identification as ACC synthase. Privalle LS, et al. **Arch Biochem Biophys** 1987 Mar;253(2):333–40

Biosynthesis of o–succinylbenzoic acid. II: Properties of o–succinylbenzoic acid synthase, an enzyme involved in vitamin K2 biosynthesis. Weische A, et al. **Arch Biochem Biophys** 1987 Jul;256(1):223–31

Pyridoxal 5'phosphate binding site of Escherichia coli beta cystathionase and cystathionine gamma synthase comparison of their sequences. Martel A, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):565–71

Characterization of argininosuccinate lyase (EC 4.3.2.1) from Chlamydomonas reinhardtii. Farrell K, et al. **Biochem J** 1987 Feb 15;242(1):261–6

Beta–elimination of indole from L–tryptophan catalyzed by bacterial tryptophan synthase: a comparison between reactions catalyzed by tryptophanase and tryptophan synthase. Ahmed SA, et al. **Biochemistry** 1986 Jul 29; 25(15):4233–40

Mechanistic studies of a protonolytic organomercurial cleaving enzyme: bacterial organomercurial lyase. Begley TP, et al. **Biochemistry** 1986 Nov 4;25(22):7192–200

Bacterial organomercurial lyase: overproduction, isolation, and characterization. Begley TP, et al. **Biochemistry** 1986 Nov 4;25(22):7186–92

Photochemical properties of Escherichia coli DNA photolyase: a flash photolysis study. Heelis PF, et al. **Biochemistry** 1986 Dec 16;25(25):8163–6

Isotopic probes of the argininosuccinate lyase reaction. Kim SC, et al. **Biochemistry** 1986 Aug 26;25(17):4744–9

Insight into the active site of Streptomyces cystathionine gamma–lyase based on the results of studies on its substrate specificity. Kanzaki H, et al. **Biochim Biophys Acta** 1987 May 27;913(1):45–50

Bacterial beta–lyase mediated cleavage and mutagenicity of cysteine conjugates derived from the nephrocarcinogenic alkenes trichloroethylene, tetrachloroethylene and hexachlorobutadiene. Dekant W, et al. **Chem Biol Interact** 1986 Oct 15;60(1):31–45

Studies on methylglyoxal. II. Changes of methylglyoxal level accompanying the changes of glyoxalase I and II activities in mice bearing L1210 leukemia and sarcoma 180. Matsuura T, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):2926–30

Heme synthetase in Trypanosoma cruzi. Salzman TA, et al. **Comp Biochem Physiol [B]** 1986;85(3):537–41

Import of cytochrome c into mitochondria. Cytochrome c heme lyase. Nicholson DW, et al. **Eur J Biochem** 1987 Apr 1;164(1):147–57

Trichomonas species: homocysteine desulphurase and serine sulphydrase activities. Thong KW, et al. **Exp Parasitol** 1987 Apr;63(2):143–51

Peroxisomal localization and activation by bivalent metal ions of ureidoglycolate lyase, the enzyme involved in urate degradation in Candida tropicalis. Takada Y, et al. **J Bacteriol** 1987 May;169(5):2284–6

Bacterial carbon–phosphorus lyase: products, rates, and regulation of phosphonic and phosphinic acid metabolism. Wackett LP, et al. **J Bacteriol** 1987 Feb;169(2):710–7

Involvement of the phosphate regulon and the psiD locus in carbon–phosphorus lyase activity of Escherichia coli K–12. Wackett LP, et al. **J Bacteriol** 1987 Apr; 169(4):1753–6

Effects of temperature and monovalent cations on activity

and quaternary structure of tryptophanase. Honda T, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):679–85
The enzyme defect in bovine protoporphyria. Studies with purified ferrochelatase. Bloomer JR, et al. **J Biol Chem** 1987 Jan 15;262(2):667–71
Reconstitution of the two terminal enzymes of the heme biosynthetic pathway into phospholipid vesicles. Ferreira GC, et al. **J Biol Chem** 1987 Mar 25;262(9):4407–12
Action mechanism of Escherichia coli DNA photolyase. II. Role of the chromophores in catalysis. Jorns MS, et al. **J Biol Chem** 1987 Jan 5;262(1):486–91
Action mechanism of Escherichia coli DNA photolyase. I. Formation of the enzyme–substrate complex. Sancar GB, et al. **J Biol Chem** 1987 Jan 5;262(1):478–85
Action mechanism of Escherichia coli DNA photolyase. III. Photolysis of the enzyme–substrate complex and the absolute action spectrum. Sancar GB, et al. **J Biol Chem** 1987 Jan 5;262(1):492–8
A purified cysteine conjugate beta-lyase from rat kidney cytosol. Requirement for an alpha-keto acid or an amino acid oxidase for activity and identity with soluble glutamine transaminase K. Stevens JL, et al. **J Biol Chem** 1986 Nov 25;261(33):15529–37
Characterization of cystathionine synthase as a selectable, liver-specific trait in rat hepatomas. Goss SJ. **J Cell Sci** 1986 Jun;82:309–20
Effects of dietary selenite, selenocystine and selenomethionine on selenocysteine lyase and glutathione peroxidase activities and on selenium levels in rat tissues. Deagen JT, et al. **J Nutr** 1987 Jan;117(1):91–8
Alpha-ketoacids stimulate rat renal cysteine conjugate beta-lyase activity and potentiate the cytotoxicity of S-(1,2-dichlorovinyl)-L-cysteine. Elfarra AA, et al. **Mol Pharmacol** 1987 Feb;31(2):208–12
Binding of E. coli DNA photolyase to a defined substrate containing a single T mean value of T dimer. Husain I, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1109–20
Utilization of DNA photolyase, pyrimidine dimer endonucleases, and alkali hydrolysis in the analysis of aberrant ABC excinuclease incisions adjacent to UV-induced DNA photoproducts. Myles GM, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1227–43
High performance liquid chromatography determination of cystathionase activity in human and rabbit lenses. Bergad PL, et al. **Ophthalmic Res** 1986;18(6):343–8
Photoreactivating enzyme from Streptomyces griseus—VI. Action spectrum and kinetics of photoreactivation. Eker AP, et al. **Photochem Photobiol** 1986 Aug;44(2):197–205
Reaction of argininosuccinase with bromomesaconic acid: role of an essential lysine in the active site. Lusty CJ, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3176–80
Stereochemistry and mechanism of reactions catalyzed by tyrosine phenol-lyase from Escherichia intermedia. Palcic MM, et al. **Z Naturforsch [C]** 1987 Apr;42(4):307–18
[Cloning of metabolic regulators and regulation of cell proliferation] Murata K, et al. **Tanpakushitsu Kakusan Koso** 1986 Sep;31(11):1010–21 (74 ref.) **(Jpn)**
[Inhibitory effect of ketoconazole and various steroids on delta 16-C19-steroid synthesizing activity and 17 alpha-hydroxylase/lyase activity in pig testicular microsomes] Takahashi M, et al. **Yakugaku Zasshi** 1987 Jan;107(1):82–5 (Eng. Abstr.) **(Jpn)**
[Interaction of tryptophanase with oxindolyl-L-alanine and L-alanine] Sakharova IS, et al. **Dokl Akad Nauk SSSR** 1986;290(3):758–61 **(Rus)**

RADIATION EFFECTS

Transient induction of photolyase activity in arrested frog cells in response to a short-wave ultraviolet segment of simulated "sunlight".Chao CC, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):604–11

LYCINE see **BETAINE**

LYCOREMINE see **GALANTHAMINE**

LYE see under **CAUSTICS**

LYELL'S SYNDROME see **EPIDERMAL NECROLYSIS, TOXIC**

LYING

Pseudologia fantastica [letter] King BH, et al. **Am J Psychiatry** 1987 Jul;144(7):970–1
Pseudologia fantastica in the borderline patient. Snyder S. **Am J Psychiatry** 1986 Oct;143(10):1287–9
Children who lie: a review of the literature. Chagoya L, et al. **Can J Psychiatry** 1986 Oct;31(7):665–9 (37 ref.)
The girl who cried wolf: pseudologia phantastica and sexual abuse. Matas M, et al. **Can J Psychiatry** 1987 May; 32(4):305–9
The detection of faking on the Millon Clinical Multiaxial Inventory (MCMI). Van Gorp WG, et al. **J Clin Psychol** 1986 Sep;42(5):742–7
The predictive validity of subtle and obvious empirically derived psychological test items under faking conditions. Worthington DL, et al. **J Pers Assess** 1986 Summer; 50(2):171–81
Lying to military physicians about risk factors for HIV infections [letter] Potterat JJ, et al. **JAMA** 1987 Apr 3; 257(13):1727
Children as witnesses: psycholegal aspects of the English and Scottish system. Flin RH, et al. **Med Law** 1987;6(4):275–91
The use of lie scales in psychometric measures of children. Brown MS, et al. **Res Nurs Health** 1987 Apr;10(2):87–92

LYME DISEASE

Lyme disease—another spirochaetal mimicker? Glover SC. **J Infect** 1987 Mar;14(2):99–102
Lyme disease: an increasing health risk for school-age children. Hahn DB, et al. **J Sch Health** 1987 Aug; 57(6):221–3
Lyme disease on the NSW central coast [letter] Lawrence RH, et al. **Med J Aust** 1986 Oct 6;145(7):364
The enlarging spectrum of tick-borne spirochetoses: R. R. Parker Memorial Address. Burgdorfer W. **Rev Infect Dis** 1986 Nov–Dec;8(6):932–40
Lyme borreliosis. Proceedings of the Second International Symposium on Lyme Disease and Related Disorders. Vienna, 1985. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec;263(1–2):1–288
Erythema chronicum migrans Afzelius in Sweden. A study on 231 patients. Asbrink E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):229–36
Neurological manifestations of Borrelia burgdorferi–infections: the enlarging clinical spectrum. Baumhackl U, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):334–6
Clinical manifestations of Lyme disease. Steere AC, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):201–5 (41 ref.)
Historical perspective of Lyme disease. Steere AC, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):3–6
Remarks on the infectious disease caused by Borrelia burgdorferi. Weber K. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):206–8
Clinical features of early erythema migrans disease and related disorders. Weber K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):209–28
[Lyme disease (editorial)] Halpern Z, et al. **Harefuah** 1985 Mar 15;108(6):312–5 **(Heb)**
[Lyme disease] Takasugi K. **Ryumachi** 1986 Oct;26(5):360–4 (29 ref.) **(Jpn)**
[Subacute tick-borne spirochetosis. Lyme disease] Tjørstad K, et al. **Tidsskr Nor Laegeforen** 1986 Oct 30; 106(30):2506–10 (Eng. Abstr.) **(Nor)**
[Report of a case of Lyme disease] Maretić T, et al. **Lijec Vjesn** 1986 Nov–Dec;108(11–12):490–3 (Eng. Abstr.) **(Scr)**
[Lyme borreliosis—another new infectious disease] Strle F, et al. **Lijec Vjesn** 1986 Nov–Dec;108(11–12):501–3 (56 ref.) **(Scr)**

BLOOD

Evaluation of sera from patients with Lyme disease in the fluorescent treponemal antibody-absorption test for syphilis. Hunter EF, et al. **Sex Transm Dis** 1986 Oct–Dec; 13(4):232–6

CEREBROSPINAL FLUID

Cytologic features of cerebrospinal fluid in Lyme disease. Razavi-Encha F, et al. **Acta Cytol** 1987 Jul–Aug; 31(4):439–40
Cerebrospinal fluid findings in neurological manifestations of Lyme disease. Pohl P, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):314–20

COMPLICATIONS

Lyme disease as cause of childhood arthritis [letter] Dardick KR, et al. **Am J Dis Child** 1987 Aug;141(8):833
Optic disc edema and Lyme disease. Wu G, et al. **Ann Ophthalmol** 1986 Aug;18(8):252–5
Three further cases of Lyme disease. Bateman DE, et al. **Br Med J** 1987 Feb 28;294(6571):548–9
From New to old England: the progress of Lyme disease [editorial] Parke A. **Br Med J** 1987 Feb 28;294(6571):525–6
Lyme arthritis in southern England. Macallan DC, et al. **Br Med J [Clin Res]** 1987 Apr 25;294(6579):1062–3
Eye findings in Lyme disease. Bertuch AW, et al. **Conn Med** 1987 Mar;51(3):151–2
Jarisch-Herxheimer reaction in Lyme disease. Moore JA. **Cutis** 1987 May;39(5):397–8
Lyme disease: new insights. Kujala GA. **Del Med J** 1986 Sep;58(9):583–6, 591–3
Treating erythema chronicum migrans of Lyme disease. Berger BW. **J Am Acad Dermatol** 1986 Sep;15(3):459–63
Severe encephalopathy associated with Lyme disease. Bendig JW, et al. **Lancet** 1987 Mar 21;1(8534):681–2
Granulomatous hepatitis associated with Lyme disease [letter] Chavanet P, et al. **Lancet** 1987 Sep 12;2(8559):623–4
Arthritis as manifestation of Lyme disease in England [letter] Cooper C, et al. **Lancet** 1987 Jun 6;1(8545):1313–4
Acute transverse myelitis as presenting neurological feature of Lyme disease [letter] Rousseau JJ, et al. **Lancet** 1986 Nov 22;2(8517):1222–3
Lyme borreliosis and multiple sclerosis [letter] Schmutzhard E, et al. **Lancet** 1987 Jan 17;1(8525):167–8
Focal encephalitis in a young woman 6 years after the onset of Lyme disease: tertiary Lyme disease? Broderick JP, et al. **Mayo Clin Proc** 1987 Apr;62(4):313–6
Relapsing fever/Lyme disease. Multiple sclerosis. Kurtz SK. **Med Hypotheses** 1986 Nov;21(3):335–43
Lyme carditis: high-grade heart block in Lyme disease. Meyer LK, et al. **Minn Med** 1987 Jun;70(6):345–6
Complete heart block due to Lyme disease [letter] Vlay SC. **N Engl J Med** 1986 Nov 27;315(22):1418
Morphea another manifestation of Lyme disease? Aberer E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):266–7
Acrodermatitis chronica atrophicans with antecedent Lyme disease in a California. Case report. Lavoie PE, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):262–5
Generalized exanthema, acute hepatitis with porphyrinuria and eosinophilia. Another clinical feature of Lyme disease? Prinz A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb;263(3):389–91
Borrelia arthritis in Sweden. Stiernstedt G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):285–7
Anti-myelin antibodies in cerebrospinal fluid and serum of patients with meningopolyneuritis Garin-Bujadoux-Bannwarth and other neurological diseases. Suchanek G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):160–8
[Cardiac manifestations of Lyme disease] Allal J, et al. **Ann Med Interne (Paris)** 1986;137(5):372–4 (Eng. Abstr.) **(Fre)**
[Isolated meningoencephalitis in Lyme disease [letter]] Fénelon G, et al. **Ann Med Interne (Paris)** 1987; 138(2):149–50 **(Fre)**
[Lyme disease. Apropos of a case in children] Moutard ML, et al. **Arch Fr Pediatr** 1986 Nov;43(9):705–7 (Eng. Abstr.) **(Fre)**
[A new cause of acute transitory auriculoventricular block: Lyme disease] Dunica S, et al. **Arch Mal Coeur** 1986 Jul; 79(8):1251–5 (Eng. Abstr.) **(Fre)**
[Sinoatrial and atrioventricular conduction disorders in Lyme disease. Apropos of 2 case reports] Kapusta P, et al. **Arch Mal Coeur** 1986 Aug;79(9):1361–6 (Eng. Abstr.) **(Fre)**
[Acute myocarditis in Lyme's syndrome. Value of myocardial scintigraphy with gallium 67] Ponsonnaille J, et al. **Arch Mal Coeur** 1986 Dec;79(13):1946–50 (Eng. Abstr.) **(Fre)**
[Lyme disease. Unfavorable course after treatment with amoxicillin (letter)] Lecomte F, et al. **Presse Med** 1987 May 30;16(20):1008–9 **(Fre)**
[2 severe neurologic forms of Lyme disease (letter)] Louis FJ, et al. **Presse Med** 1987 Jan 10–17;16(1):32–3 **(Fre)**
[Neurologic aspects of Lyme disease] Masson C. **Presse Med** 1987 Jan 24;16(2):72–5 (30 ref.) (Eng. Abstr.) **(Fre)**
[Fatal meningoradiculoneuritis in Lyme disease (letter)] Melet M, et al. **Presse Med** 1986 Nov 22;15(41):2075 **(Fre)**
[Lyme disease of a neurological form. Apropos of 2 new cases of meningoradiculitis] Collet P, et al. **Rev Rhum Mal Osteoartic** 1987 May;54(5):401–2 **(Fre)**
[Lyme disease from the neurologist's viewpoint] Hänny PE, et al. **Schweiz Med Wochenschr** 1987 Jun 13;117(24):901–15 (Eng. Abstr.) **(Ger)**
[A case of Lyme disease in Genoa] Rongioletti F, et al. **G Ital Dermatol Venereol** 1987 Jan–Feb;122(1–2):33–4 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Acrodermatitis chronica atrophicans in association with lichen sclerosus et atrophicans: tubulo-interstitial nephritis and urinary excretion of spirochete-like organisms. Aberer E, et al. **Acta Derm Venereol (Stockh)** 1987;67(1):62–5
Lyme carditis [letter] Collard PP. **Am J Med** 1987 May; 82(5):1093
Lyme carditis [letter] Jacobs JC. **Am J Med** 1987 Mar; 82(3):574
Lyme carditis. Electrophysiologic and histopathologic study. Reznick JW, et al. **Am J Med** 1986 Nov;81(5):923–7
Lyme disease [letter] Glanvill P, et al. **Br Med J [Clin Res]** 1987 May 9;294(6581):1226
Lyme disease. Goldings EA, et al. **Clin Rheum Dis** 1986 Aug; 12(2):343–67 (123 ref.)
Lyme arthritis in children. An orthopaedic perspective. Culp RW, et al. **J Bone Joint Surg [Am]** 1987 Jan;69(1):96–9
Isolation of antigenic components from the Lyme disease spirochete: their role in early diagnosis. Coleman JL, et al. **J Infect Dis** 1987 Apr;155(4):756–65
Chronic progressive neurological involvement in Borrelia burgdorferi infection. Weder B, et al. **J Neurol** 1987 Jan; 234(1):40–3
Childhood Lyme arthritis: experience in an endemic area. Eichenfield AH, et al. **J Pediatr** 1986 Nov;109(5):753–8
Musculoskeletal manifestations of Lyme disease in children. Cristofaro RL, et al. **J Pediatr Orthop** 1987 Sep–Oct; 7(5):527–30
Spirochaetes and Lyme disease [letter] Benoit P, et al.

Lancet 1986 Nov 22;2(8517):1223

Lyme disease: a mimicker of juvenile arthritis. Lipnick RN, et al. **Md Med J** 1986 Dec;35(12):1009–10

Diagnosis and management of Lyme disease. Eichenfield AH. **Pediatr Ann** 1986 Sep;15(9):583–4, 587, 591–4 (33 ref.)

Diagnosis of Lyme disease by demonstration of spirochetes in tissue biopsies. de Koning J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):179–88

Serodiagnostic of erythema chronicum migrans (Lyme disease) in cases initially suspected as caused by arboviruses. Rodhain F, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):425–6

The significance of controls in Lyme arthritis of children. Ross AH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb;263(3):400–6

[Lyme disease—a new nosologic unit] Kutěj P. **Vnitr Lek** 1987 Feb;33(2):177–9 (Eng. Abstr.) **(Cze)**

[Chronic erythema migrans as initial symptom of Lyme disease] van Duin BJ. **Ned Tijdschr Geneeskd** 1987 Apr 18;131(16):679–80 (Eng. Abstr.) **(Dut)**

[Lyme disease: a new infectious disease localized in various organs] van Furth R. **Ned Tijdschr Geneeskd** 1987 Apr 18; 131(16):657–8 **(Dut)**

[Facial paralyses a frigore misdiagnosed] Barthez MA, et al. **Ann Pediatr (Paris)** 1987 Jun;34(6):449–50 (Eng. Abstr.) **(Fre)**

[Lyme disease (letter)] Saint-Martin J, et al. **Arch Fr Pediatr** 1987 Mar;44(3):234 **(Fre)**

[European aspects of Lyme disease. 8 cases] Vieyres C, et al. **Presse Med** 1987 Jan 24;16(2):59–62 (Eng. Abstr.) **(Fre)**

[Lyme monoarthritis of late occurrence (letter)] Ribeyrol B, et al. **Rev Rhum Mal Osteoartic** 1986 Jun;53(6):403–4 **(Fre)**

[Diagnosis and treatment of Borrelia burgdorferi infections in France. Apropos of 3 cases of Lyme disease of neurological form] Ruel M, et al. **Rev Rhum Mal Osteoartic** 1987 Jan;54(1):55–8 **(Fre)**

[Lyme borreliosis] Weber K. **Hautarzt** 1986 Nov;37(11):583–6 (Eng. Abstr.) **(Ger)**

[Erythema migrans disease (Lyme disease, erythema migrans borreliosis)] Wörth WD. **Med Klin** 1986 Jun 6;81(13):464–9 **(Ger)**

[Lyme disease: the computed tomographic and MR tomographic images] Bonatti GP, et al. **ROFO** 1987 Jul; 147(1):97–8 **(Ger)**

[Swelling of the leg, skin atrophy] Budmiger H, et al. **Schweiz Rundsch Med Prax** 1987 Apr 14;76(16):432–5 (Eng. Abstr.) **(Ger)**

[Lyme disease—a "new" disease (or: diseases also have a history)] Baier J. **Z Arztl Fortbild (Jena)** 1986;80(18):749–51 **(Ger)**

[Lyme disease] Crovato F, et al. **G Ital Dermatol Venereol** 1986 Jul–Aug;121(4):249–52 (Eng. Abstr.) **(Ita)**

[Tick-borne erythematous spirochetosis (tick-borne annular erythema. Bannwarth syndrome, Lyme disease)] Dekonenko EP, et al. **Zh Nevropatol Psikhiatr** 1987; 87(2):283–9 (78 ref.) **(Rus)**

DRUG THERAPY

Failure of tetracycline therapy in early Lyme disease. Dattwyler RJ, et al. **Arthritis Rheum** 1987 Apr;30(4):448–50

Lyme meningoencephalitis: report of a severe, penicillin-resistant case. Diringer MN, et al. **Arthritis Rheum** 1987 Jun;30(6):705–8

Ceftriaxone as effective therapy in refractory Lyme disease. Dattwyler RJ, et al. **J Infect Dis** 1987 Jun;155(6):1322–5

Treatment and course of erythema chronicum migrans. Neumann R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):372–6

Treatment of Lyme disease. Steere AC, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):352–6

[Recurrent chronic erythema following treatment of Lyme disease (letter)] Feuillatre F, et al. **Presse Med** 1986 Oct 4;15(33):1685–6 **(Fre)**

ETIOLOGY

New infectious diseases other than AIDS. Griffin FM Jr. **Ala J Med Sci** 1987 Apr;24(2):205–8

Reinfection with Borrelia burgdorferi [letter] Pfister HW, et al. **Lancet** 1986 Oct 25;2(8513):984–5

A role for interleukin-1 in the pathogenesis of Lyme disease. Beck G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec;263(1–2):133–6

Borrelia burgdorferi lipopolysaccharide and its role in the pathogenesis of Lyme disease. Habicht GS, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):137–41

[Tick-borne borreliosis. A case of chronic meningoencephalitis caused by Borrelia burgdorferi] Bogsrud TV, et al. **Tidsskr Nor Laegeforen** 1987 Jan 10; 107(1):25–7, 49 (Eng. Abstr.) **(Nor)**

[Lyme disease] Lutowiecka-Wranicz A, et al. **Przegl Dermatol** 1986 Mar–Apr;73(2):160–4 (22 ref.) **(Pol)**

IMMUNOLOGY

Antigens of Borrelia burgdorferi recognized during Lyme disease. Appearance of a new immunoglobulin M response and expansion of the immunoglobulin G response late in the illness. Craft JE, et al. **J Clin Invest** 1986 Oct; 78(4):934–9

Cross-reactivity in serological tests for Lyme disease and other spirochetal infections. Magnarelli LA, et al. **J Infect Dis** 1987 Jul;156(1):183–8

An IgE response to spirochete antigen in patients with Lyme disease. Benach JL, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):127–32

Cellular immune response in Lyme disease: the response to mitogens, live Borrelia burgdorferi, NK cell function and lymphocyte subsets. Dattwyler RJ, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):151–9

Early detection and persistence of antibodies to Borrelia burgdorferi in persons with Lyme disease. Magnarelli LA, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):392–9

[Lyme disease: diagnostic value of quantitative determination of antibodies in the cerebrospinal fluid (letter)] Assous M, et al. **Presse Med** 1987 Feb 21;16(6):310–1 **(Fre)**

[Anti-cardiolipin antibodies in Lyme disease] Benhamou C, et al. **Rev Rhum Mal Osteoartic** 1987 May;54(5):397–9 **(Fre)**

[Epidemiology of Ixodes-Borreliosis in Southern Germany] Krampitz HE, et al. **Immun Infekt** 1987 Jul;15(4):141–5 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Borrelia isolated from cerebrospinal fluid in a French case of Lyme disease [letter] Allal J, et al. **Ann Rheum Dis** 1986 Sep;45(9):789–90

Isolation of Borrelia spirochetes from patients in Texas. Rawlings JA, et al. **J Clin Microbiol** 1987 Jul;25(7):1148–50

Newly recognized Leptospira species ("Leptospira inadai" serovar lyme) isolated from human skin. Schmid GP, et al. **J Clin Microbiol** 1986 Sep;24(3):484–6

Demonstration of spirochaetes in patients with Lyme disease with a modified silver stain. De Koning J, et al. **J Med Microbiol** 1987 May;23(3):261–7

Spirochaetes, Lyme disease, and multiple sclerosis [letter] Gay D, et al. **Lancet** 1986 Sep 20;2(8508):685

Discovery of the Lyme disease spirochete: a historical review. Burgdorfer W. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):7–10

Ultrastructural differences among spirochetes isolated from patients with Lyme disease and related disorders, and from Ixodes ricinus. Hovind-Hougen K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):103–11

Demonstration of Borrelia burgdorferi in a patient with chronic Lyme arthritis. Lastavica CC, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):288

Microbiological findings in erythema (chronicum) migrans and related disorders. Neubert U, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):237–52

European Borrelia burgdorferi isolated from humans and ticks culture conditions and antibiotic susceptibility. Preac-Mursic V, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):112–8

[Discovery of Lyme disease spirochetes (Borrelia burgdorferi)] Burgdorfer W. **Hautarzt** 1985;36 Suppl 7:12–5 **(Ger)**

OCCURRENCE

Lyme borreliosis. The new face of an old disease. Goubau P, et al. **Acta Clin Belg** 1987;42(1):1–4

Lyme disease ecology in Wisconsin: distribution and host preferences of Ixodes dammini, and prevalence of antibody to Borrelia burgdorferi in small mammals. Godsey MS Jr, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):180–7

A case of Lyme disease in a 9-year-old black male [letter] Newman JH. **Arthritis Rheum** 1987 Feb;30(2):237

Tickborne diseases in Georgia, 1986. **J Med Assoc Ga** 1987 Jul;76(7):493, 530

Effectiveness of two insecticides in controlling Ixodes dammini (Acari: Ixodidae) following an outbreak of Lyme disease in New Jersey. Schulze TL, et al. **J Med Entomol** 1987 Jul;24(4):420–4

Lyme disease in Europe and North America [letter] **Lancet** 1987 Mar 21;1(8534):681–2

Lyme disease in Europe. **Lancet** 1987 Aug 1;2(8553):264–5

Lyme borreliosis in Belgium [letter] Bigaignon G, et al. **Lancet** 1987 Mar 7;1(8532):557

Lyme arthritis [letter] Huaux JP, et al. **Lancet** 1987 Feb 21; 1(8530):443

Emerging pattern of Lyme disease in the United Kingdom and Irish Republic. Muhlemann MF, et al. **Lancet** 1987 Jan 31;1(8527):260–2

Bannwarth's syndrome and Lyme disease in Finland. Kovanen J, et al. **Scand J Infect Dis** 1986;18(5):421–4

Lyme disease: a review. Ferrari ND 3d. **W Va Med J** 1987 Jan;83(1):16–20

B. burgdorferi in Switzerland. Aeschlimann A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):450–8

Clinical and geographic characteristics of Lyme disease in New York. Benach JL, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):477–82

Occurrence of Lyme borreliosis in Hungary. Bózsik BP, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):466–7

Lyme disease in France. Dournon E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):464–5

Lyme arthritis in Germany. Herzer P, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):268–74

Prerequisites of the existence of Lyme disease in the USSR. Korenberg EI, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):471–2

Lyme disease in Texas. Rawlings JA. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):483–7

Evolution of a focus of Lyme disease. Schulze TL, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):65–71

Epidemiology of borrelia infections in Austria. Stanek G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):442–9

Does Lyme borreliosis also occur in tropical and subtropical areas? Stanek G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):491–5

Lyme disease in Italy. Trevisan G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):459–63

[The first serologic detection of Lyme disease in children in Czechoslovakia] Doutlik S, et al. **Cesk Pediatr** 1986 Nov; 41(11):648–50 (Eng. Abstr.) **(Cze)**

[Lyme disease (letter)] Wokke JH. **Ned Tijdschr Geneeskd** 1987 Jun 27;131(26):1141 **(Dut)**

[Lyme arthritis] Caroit M. **Rev Rhum Mal Osteoartic** 1987 Feb;54(2):97–103 (Eng. Abstr.) **(Fre)**

[Disease (Lyme disease) in pediatric patients in Switzerland caused by spirochetes (Borrelia burgdorferi) of Ixodes ricinus] Schaad UB, et al. **Schweiz Med Wochenschr** 1986 Oct 18;116(42):1426–30 (Eng. Abstr.) **(Ger)**

[Data on the prevalence of Lyme disease in the USSR] Korenberg EI, et al. **Med Parazitol (Mosk)** 1987 Mar–Apr; (2):71–3 (Eng. Abstr.) **(Rus)**

PATHOLOGY

The surgical pathology of human Lyme disease. An enlarging picture. Duray PH. **Am J Surg Pathol** 1987;11 Suppl 1:47–60 (50 ref.)

The surgical pathology of human Lyme disease. An enlarging picture. Duray PH. **Am J Surg Pathol** 1987;11 Suppl 1:47–60

Meningopolyneuritis Bannwarth with focal nodular myositis. A new aspect in Lyme borreliosis. Schmutzhard E, et al. **Klin Wochenschr** 1986 Nov 17;64(22):1204–8

The spectrum of organ and systems pathology in human Lyme disease. Duray PH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):169–78

[Burgdorfer's borreliosis or Lyme disease. The first Luxembourg cases] Reiffers-Mettelock J, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1986;123(2):103–10 **(Fre)**

PHYSIOPATHOLOGY

Tick-borne lymphocytic meningoradiculitis in Ireland: Bannwarth's syndrome/Lyme disease. Carmody E, et al. **Ir Med J** 1987 May;80(5):154

Lyme disease. Leahy F, et al. **Ir Med J** 1987 May;80(5):155

Borrelia burgdorferi infection in man. Muhlemann MF. **Ir Med J** 1987 May;80(5):134–5

Lyme disease. Habicht GS, et al. **Sci Am** 1987 Jul; 257(1):78–83

CNS manifestations of third stage Lyme disease. Pachner AR, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):301–6

PREVENTION & CONTROL

Lyme disease and babesiosis: acaricide focused on potentially infected ticks. Mather TN, et al. **Am J Trop Med Hyg** 1987 May;36(3):609–14

Active immunization of hamsters against experimental infection with Borrelia burgdorferi. Johnson RC, et al. **Infect Immun** 1986 Dec;54(3):897–8

Vaccination of hamsters against experimental infection with Borrelia burgdorferi. Johnson RC, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):45–8

[Tick-borne meningoencephalitis and Lyme arthritis in the orientation run. Can ticks become a problem in sports medicine?] Fahrer H. **Schweiz Z Sportmed** 1986 Jun; 34(2):81–6 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Gallium avid Lyme myocarditis. Rienzo RJ, et al. **Clin Nucl Med** 1987 Jun;12(6):475–6

[Acute myocarditis in Lyme's syndrome. Value of myocardial scintigraphy with gallium 67] Ponsonnaille J, et al. **Arch Mal Coeur** 1986 Dec;79(13):1946–50 (Eng. Abstr.) (Fre)

TRANSMISSION

Reservoir competence of white-footed mice for Lyme disease spirochetes. Donahue JG, et al. **Am J Trop Med Hyg** 1987 Jan;36(1):92–6

Duration of tick attachment and Borrelia burgdorferi transmission. Piesman J, et al. **J Clin Microbiol** 1987 Mar; 25(3):557–8

Adult Ixodes dammini on rabbits: a hypothesis for the development and transmission of Borrelia burgdorferi. Benach JL, et al. **J Infect Dis** 1987 Jun;155(6):1300–6

Horse reservoir for Borrelia burgdorferi? [letter] Marcelis L, et al. **Lancet** 1987 Apr 25;1(8539):977

Selected arthropod-borne diseases. Plague, Lyme disease, and babesiosis. Ryan CP. **Vet Clin North Am [Small Anim Pract]** 1987 Jan; 17(1):179–94 (57 ref.)

Susceptibility of the black-legged tick, Ixodes scapularis, to the Lyme disease spirochete, Borrelia burgdorferi. Burgdorfer W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):15–20

Lyme disease in Canada with possible transmission by an insect. Doby JM, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):488–90

Human fetal borreliosis, toxemia of pregnancy, and fetal death. MacDonald AB. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):189–200

Austrian hard ticks as vectors of Borrelia burgdorferi, overview. Radda A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):79–82

[Lyme disease—a tick-transmitted spirochete infection] Steere AC. **Ter Arkh** 1987;59(4):32–4 (Rus)

VETERINARY

Choroid plexitis in white-tailed deer (Odocoileus virginianus) in southern New York State. Levine S, et al. **Vet Pathol** 1987 May;24(3):207–10

Culturing Borrelia burgdorferi from spleen and kidney tissues of wild-caught white-footed mice, Peromyscus leucopus. Anderson JF, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):34–9

The prevalence and significance of Borrelia burgdorferi in the urine of feral reservoir hosts. Bosler EM, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):40–4

Experimental inoculation of dogs with Borrelia burgdorferi. Burgess EC. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec;263(1–2):49–54

Potential role of native and exotic deer and their associated ticks (Acari: Ixodidae) in the ecology of Lyme disease in California, USA. Lane RS, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):55–64

Prevalence of canine Lyme disease from an endemic area as determined by serosurvey. Schulze TL, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):427–34

LYMECYCLINE see under TETRACYCLINES

LYMNAEA

Snail control by Calendula micrantha officinalis. el-Emam MA, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):563–71

[Combined and alternate control of Lymnaea truncatula Müller by chemical and biological means. First experimental trials in the field] Rondelaud D. **Ann Rech Vet** 1986;17(1):15–20 (Eng. Abstr.) (Fre)

ANATOMY & HISTOLOGY

Variability of morphological parameters of individual neurons and their aggregations in visceral ganglion of the mollusk Lymnaea stagnalis. Savostin VA, et al. **Neurosci Behav Physiol** 1986 Sep–Oct;16(5):436–41

CYTOLOGY

Morphology of neurosecretory cells in basommatophoran snails homologous with egg-laying and growth hormone-producing cells of Lymnaea stagnalis. Roubos EW, et al. **Gen Comp Endocrinol** 1987 Jul;67(1):7–23

EMBRYOLOGY

Is a mosaic embryo also a mosaic of communication compartments? Serras F, et al. **Dev Biol** 1987 Mar; 120(1):132–8

ENZYMOLOGY

Identification of a UDP-Gal:beta-galactoside beta 1——3-galactosyltransferase in the albumen gland of the snail Lymnaea stagnalis. Joziasse DH, et al. **FEBS Lett** 1987 Aug 31;221(1):139–44

Enzyme cytochemical evidence for the activation of adenylate cyclase in the follicle cells of vitellogenic oocytes by the dorsal body hormone in the snail Lymnaea stagnalis. de Jong-Brink M, et al. **Gen Comp Endocrinol** 1986 Aug; 63(2):212–9

IMMUNOLOGY

Alterations in the internal defence system of the pond snail Lymnaea stagnalis induced by infection with the schistosome Trichobilharzia ocellata. van der Knaap WP, et al. **Parasitol Res** 1987;73(1):57–65

METABOLISM

A neuropeptide (Calfluxin) is involved in the influx of calcium into mitochondria of the albumen gland of the freshwater snail Lymnaea stagnalis. Dictus WJ, et al. **Gen Comp Endocrinol** 1987 Mar;65(3):439–50

Effect of copper sulphate on alpha-ketoglutarate metabolism in the digestive gland of the snail host, Lymnaealuteola. Babu GR, et al. **J Environ Pathol Toxicol Oncol** 1987 Jan-Feb;7(3):29–34

Hemocytes of the pond snail Lymnaea stagnalis generate reactive forms of oxygen. Dikkeboom R, et al. **J Invertebr Pathol** 1987 May;49(3):321–31

PARASITOLOGY

Differentiation of the rediae of Fasciola hepatica and Fasciola gigantica. Ollerenshaw CB, et al. **Ann Trop Med Parasitol** 1986 Oct;80(5):573–4

Development of Trichobilharzia australis Blair & Islam, 1983 in the snail, Lymnaea lessoni Deshayes and in an experimental definitive host, the Muscovy duck. Islam KS. **J Helminthol** 1986 Dec;60(4):301–6

Molecular heterogeneity of lactate dehydrogenase in larval trematode-infected snail, Lymnaea luteola. Jyothirmayi GN, et al. **J Invertebr Pathol** 1987 May;49(3):316–20

A perivisceral encapsulation process in Lymnaea glabra infected by Fasciola hepatica. Rondelaud D, et al. **J Invertebr Pathol** 1987 Jan;49(1):124–6

Epidemiology of Fasciola hepatica infection in the Paraíba River Valley, São Paulo, Brasil. Amato SB, et al. **Vet Parasitol** 1986 Dec;22(3–4):275–84

Suitability of six lymnaeid snails for infection with Fasciola hepatica. Cruz-Reyes A, et al. **Vet Parasitol** 1987 May; 24(3–4):203–10

The uptake and distribution of radioselenium in the larvae of Fasciola hepatica and its snail host Lymnaea columella. Han Hsu H. **Vet Parasitol** 1986 Oct;21(4):233–45

PHYSIOLOGY

Role of cAMP in electrical and secretory activity of the neuroendocrine caudo-dorsal cells of Lymnaea stagnalis. Buma P, et al. **Brain Res** 1986 Aug 13;380(1):26–33

Zinc sensitivity of a freshwater snail, Lymnaea luteola L., in relation to seasonal variations in temperature. Khangarot BS, et al. **Bull Environ Contam Toxicol** 1987 Jul;39(1):45–9

Copper toxicity to the fresh water snail, Lymnaea luteola. Reddy NM, et al. **Bull Environ Contam Toxicol** 1987 Jul; 39(1):50–5

Fever in snails, reflection on a negative result. Cabanac M, et al. **Comp Biochem Physiol [A]** 1987;87(4):1017–20

Effects of halothane on feeding motor activity in the snail Lymnaea stagnalis. McCrohan CR, et al. **Comp Biochem Physiol [C]** 1987;86(1):55–62

Neurohormonal control of Na+ and Cl- metabolism in the pulmonate freshwater snail Lymnaea stagnalis. de With ND, et al. **Gen Comp Endocrinol** 1986 Sep;63(3):344–52

Membrane currents of internally perfused neurones of the snail, Lymnaea stagnalis, at low intracellular pH. Byerly L, et al. **J Physiol (Lond)** 1986 Jul;376:477–91

[Neuronal electrical activity of pond snails of different ages and the effect of 2-aminopyridine and tetrodotoxin] Martynenko OA. **Fiziol Zh** 1987 Mar-Apr;33(2):83–6 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

[Effect of pulsed microwave irradiation on the electrical activity of mollusk neurons] Bol'shakov MA, et al. **Izv Akad Nauk SSSR [Biol]** 1987 Mar-Apr;(2):312–4 (Eng. Abstr.) (Rus)

ULTRASTRUCTURE

Morphological basis for nonsynaptic communication within the central nervous system by exocytotic release of secretory material from the egg-laying stimulating neuroendocrine caudodorsal cells of Lymnaea stagnalis. Schmidt ED, et al. **Neuroscience** 1987 Jan;20(1):247–57

LYMPH

Role of lymphostasis in accelerated atherosclerosis in transplanted hearts [letter] Oz MC, et al. **Am J Cardiol** 1987 Aug 1;60(4):430

Technique of right lymphatic duct cannulation for pulmonary lymph collection in an acute porcine model. Chuang GJ, et al. **J Surg Res** 1986 Dec;41(6):563–8

Lung damage following lymph fistula preparation in sheep. Smith L, et al. **J Surg Res** 1987 Feb;42(2):192–7

Management of a recalcitrant periprosthetic fluid collection. Lowery RC Jr, et al. **J Vasc Surg** 1987 Jul;6(1):77–80

[A case of lymphocele in a patient with a transplanted kidney] Stefanov G, et al. **Khirurgiia (Sofiia)** 1987;40(2):50–2 (Bul)

[A lymphatic cyst of the colon as an uncommon cause of invagination in adulthood] Strnad J, et al. **Rozhl Chir** 1986 Jul;65(7):476–9 (Eng. Abstr.) (Cze)

[Lymphocysts following radical abdominal surgery with lymphadenectomy. Case report] Goebe L, et al. **Geburtshilfe Frauenheilkd** 1987 Mar;47(3):208–9 (Eng. Abstr.) (Ger)

[Errors and complications of lymphosorption] Brinskin BS, et al. **Khirurgiia (Mosk)** 1986 Dec;(12):109–14 (Rus)

[A method of transjugular catheterization of the thoracic duct with formation of lymphovenous anastomosis] Sitnikov VA, et al. **Vestn Khir** 1986 Nov;137(11):122–3 (Rus)

ANALYSIS

Pharmacokinetics of ciprofloxacin in peripheral lymph and skin blisters. Bergan T, et al. **Eur J Clin Microbiol** 1986 Aug;5(4):458–61

High-performance liquid chromatographic determination of pimeprofen and its metabolite ibuprofen in sheep plasma and lymph. Kaluzny BD, et al. **J Chromatogr** 1987 Feb 20;414(1):228–34

Cyclosporine in blood and thoracic duct lymph in rat. Albrechtsen D, et al. **Transplant Proc** 1986 Dec;18(6 Suppl 5):77–8

[Lymphatic and lymph node diffusion of ceftriaxone. Incidence in the treatment of typhoid fever] Auvergnat JC, et al. **Pathol Biol (Paris)** 1986 May;34(5):508–11 (Eng. Abstr.) (Fre)

[Use of thoracic duct lymph for early detection of hepatic failure in the postresuscitation period] Atiasov NI, et al. **Anesteziol Reanimatol** 1986 Jul-Aug;(4):38–41 (Eng. Abstr.) (Rus)

CYTOLOGY

Immunity to a syngeneic sarcoma induced in rats by dendritic lymph cells exposed to the tumour either in vivo or in vitro. Gyure LA, et al. **Br J Cancer** 1987 Jan;55(1):17–20

Cellular composition of lymph in experimental lymphedema. Galkowska H, et al. **Lymphology** 1986 Dec;19(4):139–45

Transfer of immunity to Ostertagia circumcincta and IgA memory between identical sheep by lymphocytes collected from gastric lymph. Smith WD, et al. **Res Vet Sci** 1986 Nov;41(3):300–6

[Production of alpha- and gamma-interferons by human central lymph cells in different pathological states] Solov'eva MN, et al. **Vopr Virusol** 1986 Nov-Dec; 31(6):730–3 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Blood flow distribution, lymph flow, villus tissue osmolality and fluid and electrolyte transport after exposing the cat small intestine to sodium deoxycholate. Karlström L, et al. **Acta Physiol Scand** 1986 Sep;128(1):83–96

Angiotensin II infusion increases thoracic duct lymph flow in chronically catheterized sheep. Valenzuela GJ, et al. **Am J Physiol** 1987 May;252(5 Pt 2):R853–8

The effect of dextran solution on pulmonary plasma-lymph barrier in awake sheep. Toyofuku T, et al. **Respir Physiol** 1987 May;68(2):239–50

[Effect of ganglionic blockade and subsequent i.v. infusion of catecholamines and angiotensin II on the formation and transport of lymph. Studies in anesthesized dogs and a review of the literature] Schad H, et al. **Z Lymphol** 1986 Dec;10(2):46–54 (Eng. Abstr.) (Ger)

ENZYMOLOGY

Proteolytic activity in sheep lung lymph as marker of lung capillary injury. Lesser M, et al. **Am Rev Respir Dis** 1987 Mar;135(3):643–50

Isolation and properties of a capillary injury-related protease from lung lymph. Orlowski M, et al. **Arch Biochem Biophys** 1987 Apr;254(1):156–69

Local activation of the kallikrein-kinin system in the lung following E. coli sepsis in sheep. Andreasson S, et al. **Prog Clin Biol Res** 1987;236A:133–40

The effect of indomethacin on plasma and lung lymph angiotensin converting enzyme activity in sheep. Newton SG, et al. **Prostaglandins Leukotrienes Med** 1987 Mar; 26(3):179–88

Lysosomal enzyme pattern in lung lymph and blood during E. coli sepsis in sheep. Andreasson S, et al. **Scand J Clin Lab Invest** 1987 Jun;47(4):355–62

IMMUNOLOGY

Characterization of a cell population in thoracic duct lymph that adoptively transfers rejection of adult Trichinella spiralis to normal rats. Bell RG, et al. **Immunology** 1987 Jun;61(2):221–7

The secondary immune response to Staphylococcus aureus vaccines in efferent popliteal lymph of sheep. Kerlin RL, et al. **Immunology** 1987 Feb;60(2):295–301

Inflammatory and immunological responses in skin and peripheral lymph of sheep following intracutaneous injection of Staphylococcus aureus. Kerlin RL, et al. **Inflammation** 1987 Jun;11(2):175–88

METABOLISM

Thoracic and abdominal lymph drainage in relation to mechanical ventilation and PEEP. Frostell C, et al. **Acta Anaesthesiol Scand** 1987 Jul;31(5):405–12

Absorption and lymphatic transport of exogenous and endogenous arachidonic and linoleic acid in the rat. Nilsson A, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):G817–24

Lymph protein concentration in initial and collecting lymphatics of the rat. Zawieja DC, et al. **Am J Physiol** 1987 May;252(5 Pt 1):G602–6

Pathways of lymph flow through superficial inguinal lymph nodes in the pig. Spalding H, et al. **Anat Rec** 1987 Feb; 217(2):188–95

Distribution of transvascular pathway sizes through the pulmonary microvascular barrier. McNamee JE. **Ann Biomed Eng** 1987;15(2):139–55 (16 ref.)

Effect of dietary and infused lactose on rat intestinal lymph lipids. Stone PM, et al. **Ann Nutr Metab** 1987;31(3):170–8

Transport and distribution of alpha-tocopherol in lymph, serum and liver cells in rats. Bjørneboe A, et al. **Biochim Biophys Acta** 1986 Dec 19;889(3):310–5

Effect of acute hypoxia on lung fluid balance in the prerecruited dog lung. Martin DJ, et al. **Bull Eur Physiopathol Respir** 1986 Jul–Aug;22(4):335–40

Ovine pulmonary transit of tetracycline and minocycline. Cohen SH, et al. **Diagn Microbiol Infect Dis** 1987 Jan; 6(1):53–8

Macromolecules in the receptor lymph of campaniform sensilla. Grünert U, et al. **Histochemistry** 1987;86(6):617–20

Increased systemic microvascular albumin flux in septic shock. Groeneveld AB, et al. **Intensive Care Med** 1987; 13(2):140–2

Effect of endotoxin on diaphragm lymph contamination in unanesthetized sheep. Drake RE, et al. **J Appl Physiol** 1987 Feb;62(2):706–10

Lung lymph flow after bone marrow injection into goats was reduced by indomethacin. Winn R, et al. **J Appl Physiol** 1987 Feb;62(2):762–7

Lipid vehicles for intestinal lymphatic drug absorption. Cheema M, et al. **J Pharm Pharmacol** 1987 Jan;39(1):55–6

Preparation and high-performance size-exclusion chromatographic (HPSEC) analysis of fluorescein isothiocyanate-hydroxyethyl starch: macromolecular probes of the blood-lymph barrier. Schaeffer RC Jr, et al. **Microvasc Res** 1986 Sep;32(2):230–43

Partitioning of polar fatty acids into lymph and portal vein after intestinal absorption in the rat. McDonald GB, et al. **Q J Exp Physiol** 1987 Apr;72(2):153–9

PHYSIOLOGY

Regional differences in pleural lymphatic albumin concentration in sheep. Albertine KH, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):H64–70

Equivalent circuit technique for lymph flow studies. Drake RE, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):H1090–4

Luminal and plasma glucose concentrations on intestinal fluid absorption and lymph flow. Lee JS. **Am J Physiol** 1987 Apr;252(4 Pt 1):G568–73

Thoracic duct lymph flow during head-out water immersion in conscious dogs. Miki K, et al. **Am J Physiol** 1987 Apr; 252(4 Pt 2):R782–5

Effect of exercise on lung lymph flow in unanesthetized sheep with increased pulmonary vascular permeability. O'Brodovich H, et al. **Am Rev Respir Dis** 1986 Nov; 134(5):862–6

Inhibitors of sterol synthesis. Dietary administration of 5 alpha-cholest-8(14)-en-3 beta-ol-15-one inhibits the intestinal absorption of cholesterol in lymph-cannulated rats. Schroepfer GJ Jr, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1003–8

Regulation of apolipoprotein A-I synthesis in lymph-drained rats. Franzén J, et al. **Biochim Biophys Acta** 1987 Mar 13; 918(1):11–5

Dynamic changes of lung lymph flow and the release of lysosomal enzyme from the lungs after severe steam inhalation injury in goats. Wang CZ, et al. **Burns Incl Therm Inj** 1986 Aug;12(6):415–21

Use of lymph in cell culture to model hormonal and nutritional constraints on tumor growth in vivo. Rubin H, et al. **Cancer Res** 1987 Sep 15;47(18):4924–31

Diffusion of a lymph-carried antigen in the fiber network of the lymph node of the rat. Sainte-Marie G, et al. **Cell Tissue Res** 1986;245(3):481–6

Lymphoscintigraphic studies of lymphatic drainage from the testes. Yeh SD, et al. **Clin Nucl Med** 1986 Dec;11(12):823–7

Visceral lymph flow in rats with peritonitis septic shock. Apantaku LM, et al. **Curr Surg** 1987 Mar–Apr;44(2):118–20

Thoracic duct lymph and PEEP studies in anaesthetized dogs. I. Lymph formation and the effect of a thoracic duct fistula on lymph flow. Haider M, et al. **Intensive Care Med** 1987;13(3):183–91

Thoracic duct lymph and PEEP studies in anaesthetized dogs. II. Effect of a thoracic duct fistula on the development of a hyponcotic-hydrostatic pulmonary oedema. Haider M, et al. **Intensive Care Med** 1987; 13(4):278–83

Overestimation of sheep lung lymph contamination. Drake RE, et al. **J Appl Physiol** 1986 Oct;61(4):1590–2

Estimation of equivalent pore radii in pulmonary microvasculature after lung lymph fistula preparation. Smith L, et al. **J Appl Physiol** 1987 Jun;62(6):2300–7

The recovery of terminal lymph flow following occlusion. Miller GE, et al. **J Biomech Eng** 1987 Feb;109(1):48–54

Redistribution of regional lymph to the thoracic duct in rats during heat stress. Yamada S. **Jpn J Physiol** 1986; 36(3):619–23

Outflow pressure reduces lymph flow rate from various tissues. Laine GA, et al. **Microvasc Res** 1987 Jan; 33(1):135–42

The influence of experimentally induced pathological states on the flow and composition of central lymph in the rat. Lamka J, et al. **Physiol Bohemoslov** 1986;35(4):328–33

[Lymphangiomotoricity and tissue pressure] Hutzschenreuter P, et al. **Z Lymphol** 1986 Dec;10(2):55–7 (Eng. Abstr.) **(Ger)**

[Effect of manual lymph drainage on the autonomic nervous system] Hutzschenreuter P, et al. **Z Lymphol** 1986 Dec; 10(2):58–60 (Eng. Abstr.) **(Ger)**

[Aspects of lymphostasis implicated in the pathogenesis of primary lymphedema in children] Rada IO, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1987 Jan–Mar; 36(1):73–83 (Eng. Abstr.) **(Rum)**

[Reflection of changes in serotonin synthesis on transcapillary protein exchange and lymph formation] Alnson KhKh, et al. **Fiziol Zh SSSR** 1986 Sep;72(9):1319–23 (Eng. Abstr.) **(Rus)**

[Coagulating system of the lymph and blood in experimental apical periodontitis] Iaroshenko IF, et al. **Stomatologiia (Mosk)** 1987 Jan–Feb;66(1):18–9 (Eng. Abstr.) **(Rus)**

[Transport function of lymphovenous anastomosis] Kirpatovskiĭ ID, et al. **Vestn Khir** 1986 Sep;137(9):64–7 (Eng. Abstr.) **(Rus)**

SECRETION

Functional renal failure and liver disease. Importance of lymph imbalance in pathogenesis and treatment. Witte CL, et al. **J Clin Gastroenterol** 1986 Aug;8(4):401–3

LYMPH NODE EXCISION

Adjuvant chemoimmunotherapy after regional lymphadenectomy for malignant melanoma. Abdi EA, et al. **Am J Clin Oncol** 1987 Apr;10(2):117–22

Is preoperative computed tomography necessary in the management of patients treated for carcinoma of the prostate by 125iodine interstitial implantation and bilateral pelvic lymphadenectomy? Nobler MP, et al. **Am J Clin Oncol** 1987 Feb;10(1):50–4

Radical hysterectomy as therapy for early carcinoma of the cervix. Creasman WT, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):964–9

Closed suction pelvic drainage after radical pelvic surgical procedures. Orr JW Jr, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):867–71

Groin dissection in malignant melanoma. Karakousis CP, et al. **Am J Surg** 1986 Nov;152(5):491–5

Frequency of occult residual melanoma after excision of a clinically positive regional lymph node. Kane M, et al. **Ann Surg** 1987 Jan;205(1):88–9

Malignant melanoma. Practical considerations concerning prophylactic regional lymph node dissection. Silberman AW. **Ann Surg** 1987 Aug;206(2):206–9

Lymph node dissection for head and neck cancer. Sizeland AM, et al. **Aust NZ J Surg** 1987 Mar;57(3):161–7

Morbidity, mortality and local recurrence following regional node dissection for melanoma. Bowsher WG, et al. **Br J Surg** 1986 Nov;73(11):906–8

Surgical staging of genitourinary tumors. Catalona WJ. **Cancer** 1987 Aug 1;60(3 Suppl):459–63

Axillary lymph node dissection for intraductal breast carcinoma--is it indicated? Silverstein MJ, et al. **Cancer** 1987 May 15;59(10):1819–24

Delayed node dissection in stage one malignant melanoma: justification and advantages. Veronesi U. **Cancer Invest** 1987;5(1):47–53

Comparison of Halsted mastectomy with quadrantectomy, axillary dissection, and radiotherapy in early breast cancer: long-term results. Veronesi U, et al. **Eur J Cancer Clin Oncol** 1986 Sep;22(9):1085–9

The influence of pretreatment celiotomy and para-aortic lymphadenectomy on the management of advanced stage squamous cell carcinoma of the cervix. Christopherson WA, et al. **Eur J Gynaecol Oncol** 1987;8(2):90–8

Is it useful to remove internal mammary nodes in operable breast cancer? Lacour J, et al. **Eur J Surg Oncol** 1987 Aug; 13(4):309–14

Preoperative irradiation, lymphadenectomy, and 125iodine implantation for patients with localized carcinoma of the prostate. DeLaney TF, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1779–85

125Iodine implantation after lymphadenectomy in early carcinoma of the prostate. Giles GM, et al. **Int J Radiat Oncol Biol Phys** 1986 Dec;12(12):2117–25

Edema of the arm as a function of the extent of axillary surgery in patients with stage I–II carcinoma of the breast treated with primary radiotherapy. Larson D, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep;12(9):1575–82

Regional lymph node metastases in well-differentiated thyroid carcinoma. Noguchi M, et al. **Int Surg** 1987 Apr–Jun;72(2):100–3

Technetium antimony sulfur colloid scintiscan in selective lymph node dissection for malignant melanoma. Doss LL, et al. **J Dermatol Surg Oncol** 1986 Dec;12(12):1280–4

Frozen section detection of lymph node metastases in prostatic carcinoma: accuracy in grossly uninvolved pelvic lymphadenectomy specimens. Epstein JI, et al. **J Urol** 1986 Dec;136(6):1234–7

Localization of solitary and multiple metastases in stage II nonseminomatous testis tumor as basis for a modified staging lymph node dissection in stage I. Weissbach L, et al. **J Urol** 1987 Jul;138(1):77–82

Induced hypotension during radical hysterectomy and bilateral pelvic lymphadenectomy. Wong CH, et al. **Ma Tsui Hsueh Tsa Chi** 1985 Dec;23(4):181–6

Radiation therapy versus pelvic node resection for carcinoma of the vulva with positive groin nodes. Homesley HD, et al. **Obstet Gynecol** 1986 Dec;68(6):733–40

Stage IB cervical carcinoma treated with radical hysterectomy and pelvic lymphadenectomy: role of adjuvant radiotherapy. Larson DM, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):378–81

Radical lobectomy with mediastinal node dissection (3 year follow-up). Paletto AE, et al. **Panminerva Med** 1986 Oct–Dec;28(4):307–11

Paraaortic lymph node irradiation in cervical carcinoma without prior lymphadenectomy. Crawford JS, et al. **Radiology** 1987 Jul;164(1):255–7

The mechanism of prolonged graft survival following removal of the regional lymph node. Wotherspoon JS, et al. **Transplantation** 1986 Nov;42(5):532–7

Can radical surgery improve survival in colorectal cancer? Jeekel J. **World J Surg** 1987 Aug;11(4):412–7

The role of lymph node surgery in gastric cancer. Mishima Y, et al. **World J Surg** 1987 Aug;11(4):406–11

[Pelvic lymphadenectomy in the diagnosis and treatment of prostatic carcinoma] Morávek P. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1985;28(5):473–86 (Eng. Abstr.) **(Cze)**

[Prognostic significance of isolated local recurrences in breast cancer following mastectomy and axillary node excision. Apropos of 77 recurrences in 2362 patients] Avril A, et al. **Bull Cancer (Paris)** 1986;73(5):497–503 (Eng. Abstr.) **(Fre)**

[Value of lumbo-aortic curettage in stage I and IIA tubal cancers] Rodier JF, et al. **J Chir (Paris)** 1986 Nov; 123(11):663–6 (Eng. Abstr.) **(Fre)**

[Value of mediastinal systematic radical lymph node excision in cancers of the lung apparently without any lymph node invasiveness. 42 cases (letter)] Riquet M, et al. **Presse Med** 1986 Sep 27;15(32):1641–2 **(Fre)**

[Lymphocysts following radical abdominal surgery with lymphadenectomy. Case report] Goebe L, et al. **Geburtshilfe Frauenheilkd** 1987 Mar;47(3):208–9 (Eng. Abstr.) **(Ger)**

[Surgical therapy of regional lymph nodes in cancers of the lower lip] Eggert JH, et al. **Hautarzt** 1986 Aug;37(8):444–9 (Eng. Abstr.) **(Ger)**

[Preventive lymphadenectomy in cutaneous malignant melanomas. A matched pair study] Hotz G, et al. **Hautarzt** 1986 Oct;37(10):554–9 (Eng. Abstr.) **(Ger)**

[Combination of bilateral pelvic lymphadenectomy, permanent iodine-125 implantation and percutaneous irradiation of localized prostate carcinoma. 1: Methods and results] Thiel HJ, et al. **Strahlenther Onkol** 1987 Mar; 163(3):164–75 (Eng. Abstr.) **(Ger)**

[Combination of bilateral pelvic lymphadenectomy, permanent iodine-125 implantation and percutaneous irradiation of localized prostate carcinoma. 2: Discussion and conclusions] Thiel HJ, et al. **Strahlenther Onkol** 1987 Mar;163(3):176–84 (Eng. Abstr.) **(Ger)**

[Is lymphadenectomy in stage I of non-seminomatous testicular cancer still justified?] Höltl W, et al. **Wien Klin Wochenschr** 1987 Jan 23;99(2):60–3 (Eng. Abstr.) **(Ger)**

[Pre- and postoperative study of lateral cervical excision: considerations on 140 cases] Verdecchia MC, et al. **Acta Otorhinolaryngol Ital** 1986 Nov–Dec;6(6):565–72 (Eng. Abstr.) **(Ita)**

[Extended excision by the Welti method in the surgical treatment of malignant neoplasms of the splenocolic flexure. Long-term results relative to 18 treated cases] Sommariva S, et al. **Minerva Chir** 1987 Mar 31;42(6):455–63 (Eng. Abstr.) **(Ita)**

[Surgery of regional lymph nodes in thyroid cancer] Manfredi D. **Minerva Med** 1986 Nov 17;77(44):2109–11 **(Ita)**

[Efficacy of extrapleural internal mammary node dissection in breast cancer] Kohno N, et al. **Gan No Rinsho** 1986 Sep;32(11):1400–6 (Eng. Abstr.) **(Jpn)**

[Salvage surgery following chemotherapy of advanced testicular cancer] Kotake T, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1671–9 (Eng. Abstr.) **(Jpn)**

[New operative technic for resecting cardiac cancers with dissection of the lower mediastinal lymph nodes through transabdominal phrenotomy using an improved hook suspender and an autosuture surgical stapling instrument] Yoshino K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1488–93 (Eng. Abstr.) **(Jpn)**

[Clinical studies of testicular tumor. I. Analysis of 27 patients with seminoma: the clinical significance of hCG–beta determination and of retroperitoneal lymph node dissection for stage I patients] Tsukamoto T, et al. **Hinyokika Kiyo** 1986 Jul;32(7):989–97 (Eng. Abstr.) **(Jpn)**

[Evaluation of surgical procedures of patients over 70 years of age with stage Ia lung cancer] Togashi K, et al. **Kyobu Geka** 1987 May;40(6):484–6 (Eng. Abstr.) **(Jpn)**

[Renal artery thrombosis following retroperitoneal lymphadenectomy] Tokue A, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jun;77(6):1006–11 (Eng. Abstr.) **(Jpn)**

[Therapy of postoperative hypoxia following mediastinal lymph node excision of esophageal cancer] Kabuto T, et al. **Nippon Rinsho** 1987 Feb;45(2):389–94 **(Jpn)**

[Value of postoperative radiotherapy of metastases of squamous cell carcinoma to the cervical lymph nodes] Bujko K, et al. **Nowotwory** 1986 Jan–Mar;36(1):52–8 (Eng. Abstr.) **(Pol)**

[Classical and current concepts with regard to surgical treatment of cancer of the larynx and metastases to the cervical lymph nodes] Dinu C, et al. **Rev Chir [Otorinolaringol]** 1986 Jul–Sep;31(3):205–12 (Eng. Abstr.) **(Rum)**

[Preventive lymphadenectomy in stage I melanoma of the skin (review of the literature)] Khasanov ShR, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):133–7 (59 ref.) **(Rus)**

[Indirect radionuclide lymphography in the evaluation of the completeness of iliac lymphadenectomy and the diagnosis of postoperative lymphatic cysts in uterine cancer] Kanaev SV, et al. **Med Radiol (Mosk)** 1987 May;32(5):31–4 (Eng. Abstr.) **(Rus)**

[Extent of the surgical intervention in regional metastases of melanomas of the head and neck] Vagner RI, et al. **Vestn Khir** 1987 Jan;138(1):43–6 (Eng. Abstr.) **(Rus)**

[Indications for preventive regional lymphadenectomy in primary melanoma of the skin of the trunk] Vagner RI, et al. **Vestn Khir** 1986 Nov;137(11):40–3 (Eng. Abstr.) **(Rus)**

[Indications for prophylactic lymphadenectomy in skin melanoma of the lower limbs] Vagner RI, et al. **Vopr Onkol** 1986;32(12):13–8 (Eng. Abstr.) **(Rus)**

[Correlation of computer tomography with lymphadenectomy findings in patients with non–seminomatous testicular tumors] Horňák M, et al. **Cesk Radiol** 1987 Mar;41(2):67–73 (Eng. Abstr.) **(Slo)**

[Lymphatic metastases in carcinoma of the bladder: value of the radical excision of the pelvis] Silva Abuin J, et al. **Actas Urol Esp** 1986 Nov–Dec;10(6):503–4 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Radiation after pelvic lymphadenectomy: effect on morbidity. Babaian RJ, et al. **J Surg Oncol** 1987 Jan; 34(1):36–8

Perioperative and postoperative complications from bilateral pelvic lymphadenectomy and radical retropubic prostatectomy. Igel TC, et al. **J Urol** 1987 Jun; 137(6):1189–91

[Injuries of the thoracic duct during neck surgery] Rodier JF, et al. **J Chir (Paris)** 1986 Dec;123(12):729–32 (Eng. Abstr.) **(Fre)**

[Preventive treatment of lymphoceles after enlarged lymphadeno–colpohysterectomy: non–reperitonization with epiploplasty] Zamora A, et al. **J Chir (Paris)** 1987 May;124(5):323–5 (Eng. Abstr.) **(Fre)**

[Ureteral lesions in gynecological, oncological and general surgery] Escudero P, et al. **Rev Chil Obstet Ginecol** 1985; 50(3):345–55 (Eng. Abstr.) **(Spa)**

ECONOMICS

A comparison of the cost of various treatment methods for early cancer of the prostate. Hanks GE, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1879–81

METHODS

Extent of axillary dissection preceding irradiation for carcinoma of the breast. Schwartz GF, et al. **Arch Surg** 1986 Dec;121(12):1395–8

Radical isotope surgery: an enrichment for the surgical therapy of gynecological malignancies. Gitsch E, et al. **Eur J Gynaecol Oncol** 1987;8(2):71–5

Fat clearance method versus manual dissection of lymph nodes in specimens of rectal cancer. Jass JR, et al. **Int J Color Dis** 1986 Jul;1(3):155–6

Arm lymphedema in patients treated conservatively for breast cancer: relationship to patient age and axillary node dissection technique. Pezner RD, et al. **Int J Radiat Oncol Biol Phys** 1986 Dec;12(12):2079–83

Five year results of radical mastectomy for breast cancer, by a sternal splitting, intrapleural en bloc resection of the internal mammary lymph nodes. Noguchi M, et al. **Jpn J Surg** 1987 Mar;17(2):63–71

Lower–axillary–node sampling in conjunction with local excision for breast cancer [letter] Steele RJ, et al. **N Engl J Med** 1986 Nov 20;315(21):1358

Technical and aesthetic considerations in the horseshoe incision and approach in axillary node dissection. Ramirez OM, et al. **Surg Gynecol Obstet** 1986 Oct;163(4):369–71

Progress in gastric cancer surgery in Japan and its limits of radicality. Maruyama K, et al. **World J Surg** 1987 Aug; 11(4):418–25

[Plastic repair of the inguinal–femoral canal using Bulgarian antimicrobial mesh (BAPP) and sutures (BAPK) following Duquing and Taussig lymph node dissections] Dudunkov Z, et al. **Khirurgiia (Sofiia)** 1986;39(6):26–9 (Eng. Abstr.) **(Bul)**

[Pelvic lymphadenectomy by open retroperitoneoscopy in gynecology (letter)] Salvat J, et al. **Presse Med** 1987 May 30;16(20):1006 **(Fre)**

[Para–aortic lymph node excision] Haller U, et al. **Arch Gynecol** 1986;239(3–4):149–59 **(Ger)**

[Lymphadenectomy in stomach cancer] Siewert JR, et al. **Langenbecks Arch Chir** 1986;368(2):137–48 **(Ger)**

[Staging pelvic lymphadenectomy for the prostatic cancer] Fuse H, et al. **Hinyokika Kiyo** 1986 Oct;32(10):1465–70 (Eng. Abstr.) **(Jpn)**

[The extent of lymph node excision in early gastric cancer] Sakakibara S. **Nippon Geka Gakkai Zasshi** 1987 Feb; 88(2):133–7 (24 ref.) **(Jpn)**

[Extensive lymphadenectomy in the surgical treatment of cancer of the stomach (review of the literature)] Sigal MZ, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):129–33 (30 ref.) **(Rus)**

LYMPH NODE HYPERPLASIA, GIANT see **GIANT LYMPH NODE HYPERPLASIA**

LYMPH NODE SYNDROME, MUCOCUTANEOUS see **MUCOCUTANEOUS LYMPH NODE SYNDROME**

LYMPH NODES

Impairment of left ventricular kinetics in lymphogranulomatosis with involvement of lymphatic mediastinal nodes. Tsyb AF, et al. **Cor Vasa** 1986; 28(5):369–72

Primary lymph node plasmocytoma of IgD–class. Storch H, et al. **Haematologia (Budap)** 1986;19(3):219–25

Endocytosis of immunoglobulin heavy and light chains by melanoma cells [letter] Montero C, et al. **Hum Pathol** 1987 Sep;18(9):970

Percutaneous inoculation of lymph nodes. Levine S, et al. **J Immunol Methods** 1986 Sep 27;92(2):227–30

The value of lymphoscintigraphy, lymphangiography and computer tomography scanning in the preoperative assessment of lymph nodes involved by pelvic malignant conditions. Feigen M, et al. **Surg Gynecol Obstet** 1987 Aug; 165(2):107–10

Atypical location of granular cell tumors in two dogs. Engelhardt JA, et al. **Vet Pathol** 1987 May;24(3):273–6

[Primary malignant schwannoma of a lymph node. Case description] Cattani MG, et al. **Pathologica** 1986 Jul–Aug; 78(1056):525–31 (Eng. Abstr.) **(Ita)**

[Clinico–roentgenologic changes in intrathoracic sarcoidosis treated by hemosorption] Solodkovskiĭ ML. **Sov Med** 1987; (6):65–6 **(Rus)**

ANALYSIS

The immunohistochemical detection of lymph node metastases from infiltrating lobular carcinoma of the breast. Bussolati G, et al. **Br J Cancer** 1986 Oct;54(4):631–6

Amyloid deposits in lymph nodes: a morphologic and immunohistochemical study. Newland JR, et al. **Hum Pathol** 1986 Dec;17(12):1245–9

ANATOMY & HISTOLOGY

Pathways of lymph flow through superficial inguinal lymph nodes in the pig. Spalding H, et al. **Anat Rec** 1987 Feb; 217(2):188–95

Architecture of swine lymphnode: light– and scanning electron microscopical studies. Merighi A, et al. **Exp Biol** 1986;46(2):101–10

Cortical structure of bovine lymph nodes. Aijima H, et al. **Kaibogaku Zasshi** 1986 Jun;61(3):173–85

Histological and immunohistochemical studies on the architecture of lymph nodes in pig. Hoshi N, et al. **Nippon Juigaku Zasshi** 1986 Dec;48(6):1097–107

Palpable lymph nodes in healthy newborns and infants. Bamji M, et al. **Pediatrics** 1986 Oct;78(4):573–5

Green coloration of superficial cervical lymph nodes in dogs tattooed in the ear. Yang TJ. **Zentralbl Veterinarmed [A]** 1986 Dec;33(10):788–90

[Observation on submandibular lymph nodes] Jin BL. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jul;21(4):215–6, 253 (Eng. Abstr.) **(Chi)**

[The evaluation of parasternal lymph node on CT images for radiotherapy planning in breast cancer] Miyashita T. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Jul 25; 46(7):937–45 (Eng. Abstr.) **(Jpn)**

[Determination of absolute values for the size of morphofunctional zones and number of cellular elements of a lymph node] Gurevich ME, et al. **Arkh Anat Gistol Embriol** 1987 Feb;92(2):90–2 **(Rus)**

BLOOD SUPPLY

Blood supply of the caudal mediastinal lymph node in sheep. Albertine KH, et al. **Anat Rec** 1985 Jun;212(2):129–31, 154–5

Blood vessels of lymph nodes in the pig. Spalding HJ, et al. **Res Vet Sci** 1986 Sep;41(2):196–9

Vascular changes in popliteal lymph nodes due to antigen challenge in normal and lethally irradiated mice. Steeber DA, et al. **Scanning Microsc** 1987 Jun;1(2):831–9

[Ultrastructural organization of capillary endotheliocytes of the popliteal and iliac lymph nodes in the rat] Borodin IuI, et al. **Arkh Anat Gistol Embriol** 1987 Apr;92(4):48–51 (Eng. Abstr.) **(Rus)**

[Morphologic characteristics of postcapillary venules in reactive lymphadenopathies] Savić L, et al. **Med Pregl** 1986;39(9–10):449–52 (Eng. Abstr.) **(Scr)**

CYTOLOGY

Y–body detection in formalin–fixed lymph nodes, using proteolytic enzymes and oxidative deamination. Thomsen JL, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1987 Mar;95(2):103–6

The marginal zone in the human reactive lymph node. van den Oord JJ, et al. **Am J Clin Pathol** 1986 Oct;86(4):475–9

Immunologic studies of lymph node lymphocytes in the generalized lymphadenopathy syndrome. Kohn DB, et al. **Am J Pediatr Hematol Oncol** 1987 Spring;9(1):1–7

Ultrastructural morphology of plasma cells in normal ovine hemal lymph nodes. Al–Bagdadi FK, et al. **Anat Histol Embryol** 1986 Dec;15(4):344–54

Mast cells in regional lymph nodes responding to syngeneic and xenogeneic tumour MSVC and HeLa cell lines in BALB/c mice. Włodarski KH, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(1):1–5

Histogenesis of the development of Langhans' giant cells. Zółtowska A. **Arch Immunol Ther Exp (Warsz)** 1986; 34(1):129–33

Predominance of helper–inducer T cells in mesenteric lymph nodes and intestinal lamina propria of normal nonhuman primates. James SP, et al. **Cell Immunol** 1987 Jul; 107(2):372–83

Diffusion of a lymph–carried antigen in the fiber network of the lymph node of the rat. Sainte–Marie G, et al. **Cell Tissue Res** 1986;245(3):481–6

Cytochemical identification of lymphocytes and other mononuclear cells in ovine and bovine hemal nodes. Ceccarelli P, et al. **Comp Immunol Microbiol Infect Dis** 1986;9(4):297–302

Mast cells and basophils in murine lymph nodes stimulated by B–cell mitogen. Włodarski KH, et al. **Folia Biol (Praha)** 1987;33(2):137–40

The disaggregation of Hodgkin's lymph node: a preparative technique using a new dissociation chamber. Sitar G, et al. **Haematologica (Pavia)** 1987 Jan–Feb;72(1):23–8

Glucose–6–phosphatase activity of Reed–Sternberg and Hodgkin cells. Pangalis GA, et al. **Hematol Oncol** 1986 Oct–Dec;4(4):261–6

Adoptive transfer of allergic encephalomyelitis by inoculation of cells into lymph nodes. Levine S, et al. **Immunol Invest** 1986 Aug;15(5):439–46

Lymphocyte recognition of high endothelium: antibodies to distinct epitopes of an 85–95–kD glycoprotein antigen differentially inhibit lymphocyte binding to lymph node, mucosal, or synovial endothelial cells. Jalkanen S, et al. **J Cell Biol** 1987 Aug;105(2):983–90

Forssman glycolipid, an antigenic marker for a major subpopulation of macrophages from murine spleen and peripheral lymph nodes. Bethke U, et al. **J Immunol** 1987 Jun 15;138(12):4329–35

Expression of MEL–14 antigen is not an absolute requirement for dissemination to lymph nodes after adoptive transfer of murine T lymphocyte clones. Bookman MA, et al. **J Immunol** 1986 Oct 1;137(7):2107–14

The B cell is the initiating antigen–presenting cell in peripheral lymph nodes. Janeway CA Jr, et al. **J Immunol** 1987 Feb 15;138(4):1051–5

Homing of antigen–specific T cells in the Lewis rat. I. Accumulation of antigen–reactive cells in the perithymic lymph nodes. Klinkert WE. **J Immunol** 1987 Aug 15; 139(4):1030–6

Anti–receptor anti–MHC cytotoxic T lymphocytes: their role in the resistance to graft vs host reaction. Kosmatopoulos K, et al. **J Immunol** 1987 Feb 15;138(4):1038–41

M cells and host defense. Sneller MC, et al. **J Infect Dis** 1986 Nov;154(5):737–41

Migration of neutrophils from lung to tracheobronchial lymph node. Harmsen AG, et al. **J Leukocyte Biol** 1987 Feb;41(2):95–103

Use of monoclonal antibodies to human lymphocytes to identify lymphocyte subsets in lymph nodes of the rhesus monkey and the dog. Sandusky GE, et al. **J Med Primatol** 1986;15(6):441–51

Transport of squamous cells from the peritoneal cavity to axillary lymph nodes in an infant with multiple malformations. van der Harten HJ, et al. **Pediatr Pathol** 1986;5(3–4):319–24

Lymphocyte localization in lymph nodes of pubescent, prepartum, and postpartum sheep. Harp JA, et al. **Vet Immunol Immunopathol** 1987 Jul;15(4):297–310

DRUG EFFECTS

Effects of a perfluorocarbon emulsion, Fluosol–DA, on rat lymphoid tissue and immunological competence [published erratum appears in Comp Biochem Physiol [C] 1987;87(1):231] Bollands AD, et al. **Comp Biochem Physiol [C]** 1986;85(2):309–12

Thymus and pulmonary lymph node response to acute and

subchronic ozone inhalation in the mouse. Dziedzic D, et al. **Environ Res** 1986 Dec;41(2):598–609
T-cell activation in pulmonary lymph nodes of mice exposed to ozone. Dziedzic D, et al. **Environ Res** 1986 Dec; 41(2):610–22
Influence of reserpine on in vivo localization of injected lymph node cells in the mouse. Bellavia A, et al. **Immunology** 1987 Feb;60(2):239–45
The toxic plant proteins ricin and abrin induce apoptotic changes in mammalian lymphoid tissues and intestine. Griffiths GD, et al. **J Pathol** 1987 Mar;151(3):221–9
A method for evaluating regional effects of cytotoxic drugs on proliferating cells in lymph nodes. Levine S, et al. **J Pharmacol Methods** 1987 Apr;17(2):173–8
Induction of lymphokine-activated killer activities in peripheral blood lymphocytes and regional lymph node lymphocytes against PC-9 cultured adenocarcinoma and autologous pulmonary adenocarcinoma cells. Morikawa Y, et al. **Jpn J Clin Oncol** 1987 Jun;17(2):129–39
The effects of intravenous infusion of solutions with different colloid osmotic pressures on rat mesenteric lymph pressure. Shinozaki M, et al. **Lymphology** 1986 Sep;19(3):109–16
[Changes in the anatomic structures and cellular composition of lymph nodes after prenatal exposure to oleandomycin] Dolgova MA, et al. **Arkh Anat Gistol Embriol** 1986 Nov; 91(11):53–60 (Eng. Abstr.) **(Rus)**
[Effect of vinblastine on the proliferative and immune responses of the lymphoid cells of the draining lymph node and spleen in mice undergoing regional immunization with ram erythrocytes] Koroleva NA, et al. **Farmakol Toksikol** 1987 Mar–Apr;50(2):47–51 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Endopeptidase-24.11 in pig lymph nodes. Purification and immunocytochemical localization in reticular cells. Bowes MA, et al. **Biochem J** 1986 Jun 15;236(3):801–10
Activity of deoxyribonucleoside-activated nucleotidase in cells from various lymphoid mouse tissues and in concanavalin A-stimulated lymphocytes. Haugen TB, et al. **Int J Biochem** 1986;18(11):965–70
Eosinophil peroxidase is detectable with a monoclonal antibody in collagen bands of nodular sclerosis Hodgkin's disease. Samoszuk M, et al. **Lab Invest** 1987 Apr; 56(4):394–400

GROWTH & DEVELOPMENT

The formation of "compartment replicas" in the lymph nodes of athymic animals. Sainte-Marie G, et al. **Cell Tissue Res** 1987 May;248(2):323–33
The early postnatal development of the primary immune response in TNP-KLH-stimulated popliteal lymph node in the rat. van Rees EP, et al. **Cell Tissue Res** 1986; 246(3):673–7

IMMUNOLOGY

Quantification of CD8-positive lymphocytes in lymph node follicles from HIV-infected male homosexuals and controls. Brask S, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1987 Jul; 95(4):155–7
Demonstration of a thymus cell tumour in BLV-infected cattle. Ristau E, et al. **Acta Virol (Praha)** 1986 Nov; 30(6):457–62
The mechanism of appearance of specific antibody-forming cells in lungs of inbred mice after immunization with sheep erythrocytes intratracheally. II. Dose-dependence and kinetics of appearance of antibody-forming cells in hilar lymph nodes and lungs of unprimed and primed mice. Kaltreider HB, et al. **Am Rev Respir Dis** 1987 Jan; 135(1):87–92
Immune response against P815X2 mastocytoma growing in syngeneic DBA/2 mice. III. Morphometric assessment of the dynamic changes in post-capillary venules as regulatory elements of lymphocyte recirculation in tumor-draining lymph nodes. Tosi P, et al. **Arch Geschwulstforsch** 1987; 57(1):7–15
The role of gut-associated lymphoid tissues in the generation of immunoglobulin-bearing lymphocytes in sheep. Gerber HA, et al. **Aust J Exp Biol Med Sci** 1986 Jun;64 (Pt 3):201–13
Lymphocyte homing receptors and the immune response in vivo. Weissman IL. **Bioessays** 1986 Sep;5(3):112–6
Human monoclonal antibodies derived from lymph nodes of a patient with breast carcinoma react with MuMTV polypeptides. Shoenfeld Y, et al. **Cancer** 1987 Jan 1; 59(1):43–50
Role of the regional lymph node in cancer metastasis. Tachibana T, et al. **Cancer Metastasis Rev** 1986;5(2):55–66 (65 ref.)
Immortalization of human lymphocytes from a tumor-involved lymph node. Glassy MC. **Cancer Res** 1987 Oct 1;47(19):5181–8
In vivo generation of tumor-specific cytotoxic T-cells in the regional lymph node: effect of subcutaneous inoculation of mls-disparate spleen cells around implanted tumors in mice. Higasa M, et al. **Cancer Res** 1986 Oct;46(10):4991–4
Suppressor cell activity in melanoma-draining lymph nodes. Hoon DS, et al. **Cancer Res** 1987 Mar 15;47(6):1529–33
Variations in functional immunocompetence of individual tumor-draining lymph nodes in humans. Hoon DS, et al. **Cancer Res** 1987 Mar 15;47(6):1740–4
Induction of suppressor activity by tumor-promoting phorbol esters in primary cultures of lymph node cells. Hurley DJ, et al. **Carcinogenesis** 1987 Mar;8(3):357–62
Further study on the maturational impairment of thymic lymphocytes in streptozotocin-induced diabetic rats—from the view of peripheral lymphoid organs. Kinoshita Y, et al. **Cell Mol Biol** 1987;33(3):387–95
Satisfactory primary tetanus antitoxin responses but markedly reduced germinal centre formation in first draining lymph nodes of ageing mice. Kraft R, et al. **Clin Exp Immunol** 1987 Feb;67(2):447–53
Natural killer cell activity and autologous mixed lymphocyte response of splenic, mesenteric lymph node, and colonic lymphocytes during DMH-induced colon carcinogenesis in the rat. Locniskar M, et al. **Dig Dis Sci** 1987 Jul; 32(7):747–52
Immune response against P815X2 mastocytoma growing in syngeneic DBA/2 mice. I. Morphometric assessment of lymph node immunoreactivity and analysis of circulating antibodies. Tosi P, et al. **Exp Pathol** 1986;30(2):65–74
Seropositivity in Dutch Crohn's disease patients against primed nude mouse lymph nodes, and the difference with lymphocytotoxic antibodies. Pena AS, et al. **Gut** 1986 Dec; 27(12):1426–33
Detection of S-100 protein beta subunit immunoreactivity in dendritic cells in germinal centers of human lymph nodes [letter] Takahashi K. **Hum Pathol** 1986 Sep;17(9):971
A method for the analysis of a large number of specific and multispecific B cell hybridomas derived from primary immunized lymph nodes. Holmdahl R, et al. **Hybridoma** 1987 Apr;6(2):197–204
Production of interleukin 2 by human lymph nodes. Akiyoshi T, et al. **Immunobiology** 1987 May;174(3):360–4
Origin of the autoreactive anti-type II collagen response. I. Frequency of specific and multispecific B cells in primed murine lymph nodes. Holmdahl R, et al. **Immunology** 1987 Jul;61(3):369–74
Peanut agglutin binding to non-neoplastic & neoplastic lesions of the lymph node. Bhatia A. **Indian J Med Res** 1987 Mar;85:292–6
Activated killer cell activity in lymph nodes. Akiyoshi T, et al. **J Clin Lab Immunol** 1987 Feb;22(2):91–5
Depression of the generation of cell-mediated cytotoxicity in regional lymph nodes of patients with gastric carcinoma. Koba F, et al. **J Clin Lab Immunol** 1987 Apr;22(4):181–4
Characterization of cells from invaded lymph nodes in patients with solid tumors. Lymphokine requirement for tumor-specific lymphoproliferative response. Cozzolino F, et al. **J Exp Med** 1987 Aug 1;166(2):303–18
Antigen-mediated interleukin production by mononuclear cells from delayed hypersensitive mice. Kobayashi K, et al. **J Exp Pathol** 1985 Fall;2(3):191–209
Immunity to D-penicillamine: genetic, cellular, and chemical requirements for induction of popliteal lymph node enlargement in the mouse. Hurtenbach U, et al. **J Immunol** 1987 Jul 15;139(2):411–6
T cell priming in vivo: a major role for B cells in presenting antigen to T cells in lymph nodes. Ron Y, et al. **J Immunol** 1987 May 1;138(9):2848–56
Lymph node primary immunization of mice for the production of polyclonal and monoclonal antibodies. Raymond Y, et al. **J Immunol Methods** 1986 Oct 23; 93(1):103–6
Detection of IgE antibody-forming cells by passive cutaneous anaphylaxis using cell extract from lymphoid organs. Watanabe N, et al. **J Immunol Methods** 1987 Jan 26;96(1):41–5
Immunogold-silver staining of lymphocyte surface antigens on cells in suspension and in lymph node cryostat sections. De Waele M, et al. **J Microsc** 1986 Aug;143 (Pt 2):151–60
Localized deep hyperthermia increases the traffic of lymphocytes through peripheral lymph nodes of sheep in vivo. Moore TC, et al. **J Surg Oncol** 1987 Jun;35(2):75–81
Study of the local graft versus host reaction in the rat. I. Evidences for a donor-related "rat effect".Michel F, et al. **J Surg Res** 1986 Oct;41(4):347–51
In vivo monitoring of postburn immune response. Shelby J, et al. **J Trauma** 1987 Feb;27(2):213–6
Zoned immune suppression of lymph nodes draining malignant melanoma: histologic and immunohistologic studies. Cochran AJ, et al. **JNCI** 1987 Mar;78(3):399–405
Inhibition of cytotoxicity to autologous tumor cells by the regional lymph node cells of patients with primary lung cancer. Kadoyama C, et al. **Jpn J Clin Oncol** 1987 Mar; 17(1):29–39
Cell-mediated cytotoxic activity of regional lymph node cells from patients with gastric carcinoma. Koba F, et al. **Jpn J Surg** 1987 Mar;17(2):83–90
Relationship of the distribution of Leu-2+ cells with suppressor cell activities in the spleen and lymph-nodes from gastric cancer. Toge T, et al. **Jpn J Surg** 1987 Mar; 17(2):72–7
Specific lymphokine responses in cervical nodes of patients with laryngeal cancer. Cortesina G, et al. **Laryngoscope** 1987 Jul;97(7 Pt 1):843–7
Impact of metastases on nodal immunoreactivity in head and neck cancer. Schuller DE, et al. **Laryngoscope** 1986 Nov; 96(11):1189–92
Neck node immunoreactivity in head and neck carcinoma. Mandell-Brown M, et al. **Otolaryngol Head Neck Surg** 1986 Nov;95(4):500–6
Murine spleen and lymph node cellular composition and function during cyclophosphamide and splenectomy induced resistance to Toxoplasma gondii. Jones TC, et al. **Parasite Immunol** 1987 Jan;9(1):117–31
Spleen and lymph node cell populations, in vitro cell proliferation and interferon-gamma production during the primary immune response to Toxoplasma gondii. Jones TC, et al. **Parasite Immunol** 1986 Nov;8(6):619–29
Experimental Echinococcus granulosus infection in mice: immunocytochemical analysis of lymphocyte populations in local lymphoid infections during early infection. Riley EM, et al. **Parasitology** 1987 Jun;94 (Pt 3):523–32
The localization of antigen in lymph node follicles of congenitally athymic nude rats. Mjaaland S, et al. **Scand J Immunol** 1987 Aug;26(2):141–7
Parathymic lymph node: oriented proliferative response of the murine thymic cortex to intraperitoneal stimulation. Mueller C, et al. **Thymus** 1987;9(1):3–12
Footpad and popliteal lymph node responses to H-Y. Eichwald EJ, et al. **Transplantation** 1987 Aug;44(2):320–1
Apparent difference in the roles of spleen and lymph nodes in the pathogenesis of host-versus-graft disease in murine parent/F1 chimeras. Hard RC Jr, et al. **Transplantation** 1987 Sep;44(3):434–9
Breast tumors: immunoglobulins in axillary lymph nodes. Urdiales-Viedma M, et al. **Tumori** 1986 Dec 31; 72(6):575–79
The response of the supramammary lymph node of the sheep to secondary infection with orf virus. McKeever DJ, et al. **Vet Microbiol** 1987 May;14(1):3–13
[Prognostic significance of immunoreactivity of regional lymph nodes in colorectal cancer—an analysis of 2,502 cases. National Cooperative Group on Pathology and Prognosis of Colorectal Cancer] **Chung Hua Chung Liu Tsa Chih** 1986 Mar;8(2):140–3 (Eng. Abstr.) **(Chi)**
[Immunohistochemical study on the development of antibody-producing immunocytes in guinea pig popliteal lymph nodes] Zhen YS, et al. **Shih Yen Sheng Wu Hsueh Pao** 1986 Sep;19(3):327–37 (Eng. Abstr.) **(Chi)**
[Attempts to produce human monoclonal antibodies to melanoma using the cervical lymph nodes] Wilmes E, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Mar;66(3):144–8 (Eng. Abstr.) **(Ger)**
[Augmentation of cytotoxicity of regional lymph node lymphocytes of the stomach by in vitro culture in IL2 contained medium] Akura Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Dec 20;21(10):2411–20 (Eng. Abstr.) **(Jpn)**
[Immunohistochemical study of lymphoid germinal centers—synovial tissues and lymph nodes of rheumatoid arthritis patients] Sato T. **Nippon Seikeigeka Gakkai Zasshi** 1986 Aug;60(8):973–88 (Eng. Abstr.) **(Jpn)**
[Immunocytologic study of the lymph nodes in lymphadenopathies in children] Al'-Zubaidi RA. **Pediatriia** 1987;(2):37–41 (Eng. Abstr.) **(Rus)**
[Reduced malignancy of hybrids of tumor cells fused with lymph node lymphocytes of syngeneic rats] Zalmanzon ES, et al. **Vopr Onkol** 1987;33(5):62–9 (Eng. Abstr.) **(Rus)**

INJURIES

Subcutaneous lymphocele following trauma to the thoracic duct. Saibil EA, et al. **J Can Assoc Radiol** 1986 Sep; 37(3):213–5

INNERVATION

Innervation of lymph nodes: a combined silver impregnation and electron-microscopic study. Novotny GE, et al. **Acta Anat (Basel)** 1986;127(4):243–8
Innervation of mouse lymph nodes: nerve endings on muscular vessels and reticular cells. Villaro AC, et al. **Am J Anat** 1987 Jun;179(2):175–85

METABOLISM

Extracellular deposition of eosinophil granule major basic protein in lymph nodes of patients with Hodgkin's disease. Butterfield JH, et al. **Blood** 1986 Dec;68(6):1250–6
Transnodal cancer chemotherapy for metastatic lymph nodes in rats. Matsuzaki K, et al. **Cancer Treat Rep** 1987 Mar; 71(3):235–9
[Lymphatic and lymph node diffusion of ceftriaxone. Incidence in the treatment of typhoid fever] Auvergnat JC, et al. **Pathol Biol (Paris)** 1986 May;34(5):508–11 (Eng. Abstr.) **(Fre)**
[Extrarenal synthesis of calcitriol in sarcoidosis] Clavel S, et al. **Presse Med** 1987 Jan 31;16(3):107–10 (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

HTLV-III expression in infected lymph nodes and relevance to pathogenesis of lymphadenopathy. Biberfeld P, et al. **Am J Pathol** 1986 Dec;125(3):436–42
Translocation of strictly anaerobic bacteria from the intestinal tract to the mesenteric lymph nodes in gnotobiotic rodents. Debure A, et al. **Ann Inst Pasteur Microbiol** 1987 Mar–Apr; 138(2):213–21
Use of silver staining (dieterlé's stain) in the diagnosis of cat scratch disease. Korbi S, et al. **Histopathology** 1986 Oct;

10(10):1015–21

LAV–like viral particles in lymph node germinal centers in patients with the persistent lymphadenopathy syndrome and the acquired immunodeficiency syndrome–related complex: an ultrastructural study of 30 cases. Le Tourneau A, et al. **Hum Pathol** 1986 Oct;17(10):1047–53

Prevalence of Mycobacterium paratuberculosis in ileocecal lymph nodes of cattle culled in the United States. Merkal RS, et al. **J Am Vet Med Assoc** 1987 Mar 15;190(6):676–80

Argyrophilic, intracellular bacteria in the lymph node of a cat: cat–scratch disease bacilli? Kirkpatrick CE, et al. **J Infect Dis** 1987 Oct;156(4):690–1

In situ hybridization of human immunodeficiency virus (HTLV–III) in cryostat sections of lymph nodes of lymphadenopathy syndrome patients. Pezzella M, et al. **J Med Virol** 1987 Jun;22(2):135–42

Spread of herpes simplex virus in lymph nodes after experimental infection of mice. Klein RJ, et al. **Proc Soc Exp Biol Med** 1987 Jan;184(1):50–5

Childhood lymphadenitis in a harsh northern climate due to atypical mycobacteria. Gill MJ, et al. **Scand J Infect Dis** 1987;19(1):77–83

Tuberculous lymphadenitis in pigs. Roberts RJ, et al. **Vet Rec** 1968 Aug 31;83(9):215–7

Cat scratch disease: evidence for a bacterial etiology. A retrospective analysis using the Warthin–Starry stain. Cotter B, et al. **Virchows Arch [A]** 1986;410(2):103–6

Diagnosis of Lyme disease by demonstration of spirochetes in tissue biopsies. de Koning J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):179–88

[Isolation of Propionibacterium acnes from a cervical lymph node in Whipple's disease (letter)] Verdier M, et al. **Gastroenterol Clin Biol** 1987 Jun–Jul;11(6–7):524–6 **(Fre)**

PATHOLOGY

Decisive role of intermediate filament typing of tumor cells in the differential diagnosis of difficult fine needle aspirates. Domagala W, et al. **Acta Cytol (Baltimore)** 1987 May–Jun; 31(3):253–66

The lymph node touch preparation in the diagnosis of the acquired immune deficiency syndrome (AIDS) [letter] Finkle HJ. **Acta Cytol (Baltimore)** 1986 Nov–Dec; 30(6):695–6

Automated cytochemistry in non–Hodgkin's lymphoma: a new method for determination of cells from lymph node biopsy. Bunyaratvej A, et al. **Acta Haematol (Basel)** 1986; 75(4):199–202

Immunocytochemical study on the immune complex and germinal center of synovial tissue of rheumatoid arthritis with special regard to complement and follicular dendritic cells. Kasajima T, et al. **Acta Pathol Jpn** 1986 Jun; 36(6):839–55

Electron microscopic analyses of dust from the lungs and the lymph nodes of talc–mine employees. Friedrichs KH. **Am Ind Hyg Assoc J** 1987 Jul;48(7):626–33

B–cell malignant lymphoma with cerebriform nuclei showing mantle–zone cell phenotype [letter] Carbone A, et al. **Am J Clin Pathol** 1986 Oct;86(4):552–4

Localized herpes simplex lymphadenitis. Epstein JI, et al. **Am J Clin Pathol** 1986 Oct;86(4):444–8

Diagnosis of Kaposi's sarcoma by fine–needle aspiration biopsy. Hales M, et al. **Am J Clin Pathol** 1987 Jul;88(1):20–5

Follicular lymphoma mimicking progressive transformation of germinal centers. Osborne BM, et al. **Am J Clin Pathol** 1987 Sep;88(3):264–9

Nodal angiolymphoid hyperplasia with eosinophilia. Suster S. **Am J Clin Pathol** 1987 Aug;88(2):236–9

Immunohistology of persistent generalized lymphadenopathy. Evidence for progressive lymph node abnormalities in some patients. Turner RR, et al. **Am J Clin Pathol** 1987 Jul;88(1):10–9

Positive groin lymph nodes in superficial squamous cell vulvar cancer. A Gynecologic Oncology Group Study. Sedlis A, et al. **Am J Obstet Gynecol** 1987 May; 156(5):1159–64

Fine–needle aspiration in the diagnosis of cervical lymphadenopathy. Shaha A, et al. **Am J Surg** 1986 Oct; 152(4):420–3

Infectious mononucleosis. The spectrum of morphologic changes simulating lymphoma in lymph nodes and tonsils. Childs CC, et al. **Am J Surg Pathol** 1987 Feb;11(2):122–32

Follicular lymphoma with abundant PAS–positive extracellular material. Immunohistochemical and ultrastructural observations. Chittal SM, et al. **Am J Surg Pathol** 1987 Aug;11(8):618–24

Malignant melanoma primary in lymph node. The case of the missing link. Shenoy BV, et al. **Am J Surg Pathol** 1987 Feb;11(2):140–6

Progressive histopathologic abnormalities in the persistent generalized lymphadenopathy syndrome. Turner RR, et al. **Am J Surg Pathol** 1987 Aug;11(8):625–32

Mantle zone lymphoma. Immuno– and enzymehistochemical studies on the cell of origin. van den Oord JJ, et al. **Am J Surg Pathol** 1986 Nov;10(11):780–8

Morphometric distinction of granulomas in tuberculosis and sarcoidosis. Difference in nuclear profiles. Tosi P, et al. **Anal Quant Cytol Histol** 1986 Sep;8(3):233–40

Frequency of occult residual melanoma after excision of a clinically positive regional lymph node. Kane M, et al. **Ann Surg** 1987 Jan;205(1):88–9

Pancoast tumors: improved survival with preoperative and postoperative radiotherapy. Shahian DM, et al. **Ann Thorac Surg** 1987 Jan;43(1):32–8

Computer–aided morphometric analysis of lymph nodes draining laryngeal carcinomas. Resta L, et al. **Appl Pathol** 1986;4(1–2):108–12

Granulomatous lymphadenitis in children. Benjamin DR. **Arch Pathol Lab Med** 1987 Aug;111(8):750–3

Multinucleated cells in the lymph nodes of HTLV–III seropositive intravenous drug abusers with generalized lymphadenopathy [letter] Carbone A, et al. **Arch Pathol Lab Med** 1986 Oct;110(10):871–2

Nodal gliomatosis and alpha–fetoprotein production. Two unusual facets of grade I ovarian teratoma. Perrone T, et al. **Arch Pathol Lab Med** 1986 Oct;110(10):975–7

Yellow–brown (Hamazaki–Wesenberg) bodies mimicking fungal yeasts. Ro JY, et al. **Arch Pathol Lab Med** 1987 Jun;111(6):555–9

Clinical relevance of peripheral blood lymphocyte morphology and lymph node histology in chronic lymphocytic leukemia. Dominis M, et al. **Blood Cells** 1987; 12(2):297–313

Characterization of factor XIII containing–macrophages in lymph nodes with Hodgkin's disease. Adány R, et al. **Br J Cancer** 1987 Apr;55(4):421–6

Tumour cell trapping in rat mesenteric lymph nodes. Cobb RA, et al. **Br J Exp Pathol** 1987 Jun;68(3):461–74

The significance of hyperplastic lymphadenopathy. Kelly CA, et al. **Br J Hosp Med** 1987 Feb;37(2):159–60

Early experience with fine–needle aspiration cytology in a district general hospital. Sheridan WG, et al. **Br J Hosp Med** 1987 Feb;37(2):156–8

Mantle zone lymphoma with central nervous system involvement. Bedotto J, et al. **Cancer** 1986 Nov 1; 58(9):2125–9

Sarcoid–like hilar and mediastinal lymphadenopathy in a patient with metastatic testicular cancer. Heffner JE, et al. **Cancer** 1987 Oct 1;60(7):1545–7

The correlation of growth fractions with histologic grading and lymph node status in human mammary carcinoma. Lellé RJ, et al. **Cancer** 1987 Jan 1;59(1):83–8

Salivary dermal analogue tumors arising in lymph nodes. Luna MA, et al. **Cancer** 1987 Mar 15;59(6):1165–9

Fatty replacement of lymph nodes mimicking lymphoma relapse. Smith T. **Cancer** 1986 Dec 15;58(12):2686–8

Diagnosis of malignant pleural mesothelioma by axillary lymph node biopsy. Kim SB, et al. **Chest** 1987 Feb; 91(2):279–81

Canine cyclic hematopoiesis: alterations in T lymphocyte subpopulations in peripheral blood, lymph nodes, and thymus of gray collie dogs. Trail PA, et al. **Clin Immunol Immunopathol** 1986 Nov;41(2):216–26

The diagnostic value of gastrocnemius muscle biopsy in sarcoidosis presenting with erythema nodosum and hilar adenopathy. Andonopoulos AP, et al. **Clin Rheumatol** 1987 Jun;6(2):192–6

Percutaneous fine–needle aspiration biopsy in malignant lymphoma: a case report of an unusual cytologic presentation. Selvaggi SM, et al. **Diagn Cytopathol** 1986 Dec;2(4):295–300

Comparative lung immunotoxicity of inhaled quartz and coal combustion fly ash. Bice DE, et al. **Environ Res** 1987 Aug; 43(2):374–89

Lymph–node and thymus pathology in fatal drug addiction. Kringsholm B, et al. **Forensic Sci Int** 1987 Aug;34(4):245–54

Ultrasonographic study of the relation of metastatic nodes to the carotid artery. Yonetsu K, et al. **Head Neck Surg** 1987 May–Jun;9(5):279–83

Phenotypic heterogeneity displayed by T–non Hodgkin's lymphoma (T–NHL) cells dispersed from diagnostic lymph node biopsies. Jones DB, et al. **Hematol Oncol** 1986 Jul–Sep;4(3):219–26

Lymph node architecture in Hodgkin's disease: evidence for the role of the composite nodule in nodular sclerosing Hodgkin's disease. Van Parys G, et al. **Hematol Oncol** 1987 Apr–Jun;5(2):147–54

Decidual change in pelvic lymph nodes: a source of possible diagnostic error. Burnett RA, et al. **Histopathology** 1986 Oct;10(10):1089–92

Distribution of basement membrane laminin and type IV collagen in human reactive lymph nodes. Karttunen T, et al. **Histopathology** 1986 Aug;10(8):841–9

The lymphadenopathy of human immunodeficiency virus infection. Lauder I, et al. **Histopathology** 1986 Nov; 10(11):1203–7

The value of lymph node biopsy in patients with the acquired immunodeficiency syndrome (AIDS) and the AIDS–related complex (ARC): a morphological and immunohistochemical study of 90 cases. Pileri S, et al. **Histopathology** 1986 Nov;10(11):1107–29

Angiomyolipoma with regional lymph node involvement and long–term follow–up study. Brecher ME, et al. **Hum Pathol** 1986 Sep;17(9):962–3

Unusual cystic epithelial choristoma in a celiac lymph node. Carr KF, et al. **Hum Pathol** 1987 Aug;18(8):866–9

Subclassification of follicular lymphomas by computerized microscopy. Kaufman AG, et al. **Hum Pathol** 1987 Mar; 18(3):226–31

Endocrine inactive pituitary carcinoma metastasizing to cervical lymph nodes: a case report. Luzi P, et al. **Hum Pathol** 1987 Jan;18(1):90–2

Diagnostic specificity of histologic features in lymph node biopsy specimens from patients at risk for the acquired immunodeficiency syndrome. Stanley MW, et al. **Hum Pathol** 1986 Dec;17(12):1231–9

Additional cases of angiomyolipoma with regional lymph node involvement [letter] Waisman J. **Hum Pathol** 1987 Feb;18(2):206

Retroperitoneal lymph node dissection in clinical stage IIA and IIB nonseminomatous germ cell tumours of the testis. Pizzocaro G. **Int J Androl** 1987 Feb;10(1):269–75

Fat clearance method versus manual dissection of lymph nodes in specimens of rectal cancer. Jass JR, et al. **Int J Color Dis** 1986 Jul;1(3):155–6

Malignant melanoma of a parotid lymph gland. An unusual case. Pain JA, et al. **Int J Oral Maxillofac Surg** 1986 Oct; 15(5):645–7

Radical neck dissections for squamous carcinomas: pathological findings and their clinical implications with particular reference to transcapsular spread. Carter RL, et al. **Int J Radiat Oncol Biol Phys** 1987 Jun;13(6):825–32

The prognostic significance of lymph node involvement in pyriform sinus and supraglottic cancers. Hahn SS, et al. **Int J Radiat Oncol Biol Phys** 1987 Aug;13(8):1143–7

Glycosphingolipids of normal bovine and enzootic bovine leukosis lymph node cells. Watarai S, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):1031–42

Frequency distribution of tissue mast cells and eosinophilic granulocytes in tumor–draining axillary and paracolic lymph nodes. Horny HP, et al. **J Cancer Res Clin Oncol** 1986;112(2):151–5

Clonality of angioimmunoblastic lymphadenopathy and implications for its evolution to malignant lymphoma. Lipford EH, et al. **J Clin Invest** 1987 Feb;79(2):637–42

Effect of the degree of nodularity on the survival of patients with nodular lymphomas. Ezdinli EZ, et al. **J Clin Oncol** 1987 Mar;5(3):413–8

Centrorrhexis: a "new" reaction pattern of lymph nodes [letter] Alavaikko M, et al. **J Clin Pathol** 1986 Sep; 39(9):1042–3

Lymph node cellular morphology: comparative study of imprints and cytocentrifuge smears. Stevens MW, et al. **J Clin Pathol** 1987 Jul;40(7):751–5

Hypersensitivity to carbamazepine presenting as pseudolymphoma. Yates P, et al. **J Clin Pathol** 1986 Nov; 39(11):1224–8

Plexiform vascularization of lymph nodes: an unusual but distinctive lymphadenopathy in cats. Lucke VM, et al. **J Comp Pathol** 1987 Mar;97(2):109–19

Inferior pulmonary ligament lymphadenopathy: demonstration by computed tomography. Cross G, et al. **J Comput Tomogr** 1987 Jul;11(3):303–6

Persistent cervical adenitis and nasopharyngeal carcinoma in children. Norton KI, et al. **J Comput Tomogr** 1987 Jul; 11(3):275–8

Cultured Lyt–2– L3T4– T lymphocytes from normal thymus or lpr mice express a broad spectrum of cytolytic activity. Budd RC, et al. **J Immunol** 1986 Dec 15;137(12):3734–41

Re: Application of double immunohistologic staining with monoclonal antibodies in lymph node pathology. Poletti A, et al. **J Immunol Methods** 1987 Feb 11;96(2):279–81

Natural cytotoxicity in draining lymph nodes of squamous cell cancer in the maxillofacial region. Vinzenz K, et al. **J Oral Maxillofac Surg** 1987 Jan;45(1):42–7

The cellular composition of human lymph nodes after allogenic bone marrow transplantation: an immunohistological study. Dilly SA, et al. **J Pathol** 1986 Nov;150(3):213–21

Role of needle biopsy in the investigation of gynecologic malignancy. McDonald TW, et al. **J Reprod Med** 1987 Apr; 32(4):287–92

Selective preoperative evaluation for possible N2 disease in carcinoma of the lung. Backer CL, et al. **J Thorac Cardiovasc Surg** 1987 Mar;93(3):337–43

Response of T–cell–deficient mice to ozone exposure. Dziedzic D, et al. **J Toxicol Environ Health** 1987; 21(1–2):57–71

Correlation of computerized tomographic changes and histological findings in 80 patients having radical retroperitoneal lymph node dissection after chemotherapy for testis cancer. Donohue JP, et al. **J Urol** 1987 Jun; 137(6):1176–9

Ex vivo comparison of radiological and histological evaluation of early metastatic lesions of pelvic lymph nodes from carcinoma of the bladder or prostate. Komatsu H, et al. **J Urol** 1987 Aug;138(2):341–3

Analysis of tissue lymphocytes by double fluorescent staining—gastric cancer tissue and regional lymph nodes. Takeda I, et al. **Jpn J Surg** 1987 May;17(3):156–61

Morphological anomalies associated with immunodeficiencies in the lymph nodes of aging mice. Sainte–Marie G, et al. **Lab Invest** 1987 Jun;56(6):598–610

Positive Delphian lymph node: clinical significance in laryngeal cancer. Olsen KD, et al. **Laryngoscope** 1987 Sep; 97(9):1033–7

Age–dependent changes of the mesenteric lymph node of Fischer F344 rats: morphological and histometric analysis. Pahlavani MA, et al. **Mech Ageing Dev** 1987 Jul; 39(2):137–46

Current status of Milan adjuvant chemotherapy trials for node–positive and node–negative breast cancer. Bonadonna G, et al. **NCI Monogr** 1986;(1):45–9

Analysis of dose intensity for chemotherapy in early (stage II) and advanced breast cancer. Hryniuk WM, et al. **NCI Monogr** 1986;(1):87–94

Postoperative chemotherapy and chemohormonal therapy in women with node-positive breast cancer. Tormey DC, et al. **NCI Monogr** 1986;(1):75–80

Results obtained from biopsies of the lung and bronchial wall through the flexible fiberoptic bronchoscopy in 75 cases of sarcoidosis. Celikoglu SI, et al. **Panminerva Med** 1986 Jul–Sep;28(3):207–9

Assessment of lymph node size in hemophiliac children: observer agreement and association with serologic status to human immunodeficiency virus I. Wang EE, et al. **Pediatr Infect Dis J** 1987 Apr;6(4):383–7

Chronic granulomatous disease of childhood with acute ulcerative colitis: a unique association. Fisher JE, et al. **Pediatr Pathol** 1987;7(1):91–6

Nuclear fragmentation and epithelioid change of germinal centers in the lymphoid tissue of child deaths. Howat AJ, et al. **Pediatr Pathol** 1986;5(2):125–34

Angiomatoid malignant fibrous histiocytoma with extensive lymphadenopathy simulating Castleman's disease. Seo IS, et al. **Pediatr Pathol** 1986;6(2–3):233–47

Fine-needle aspiration biopsy of thyroid, neck masses and lymph nodes, and breast masses. Jackson WK, et al. **Primary Care** 1986 Sep;13(3):549–64

Lymphomatous superficial lymph nodes: US detection. Bruneton JN, et al. **Radiology** 1987 Oct;165(1):233–5

Fine needle aspiration biopsy of granulomatous disorders. Klemi PJ, et al. **Sarcoidosis** 1987 Mar;4(1):38–41

Prognostic significance of a morphometric study of lymph node biopsies in chronic lymphocytic leukaemia. Guigui B, et al. **Scand J Haematol** 1986 Nov;37(5):371–9

Stages in LAV/HTLV-III lymphadenitis. II. Correlation with clinical and immunological findings. Gerstoft J, et al. **Scand J Immunol** 1987 Jan;25(1):93–9

Stages in LAV/HTLV-III lymphadenitis. I. Histological and immunohistological classification. Pallesen G, et al. **Scand J Immunol** 1987 Jan;25(1):83–91

Intra- and retroperitoneal varices simulating lymphomatous nodes--differentiation by duplex ultrasound. Chou YH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Dec;85(12):1139–43

Exogenous particles in lymph nodes in patients with shrinking pleuritis with atelectasis [letter] Morcos SK. **Thorax** 1986 Aug;41(8):655

Central lymph node changes and progressive massive fibrosis in coalworkers. Seal RM, et al. **Thorax** 1986 Jul;41(7):531–7

Needle aspiration and needle biopsy procedures. Wajsman Z, et al. **Urol Clin North Am** 1987 Feb;14(1):103–13

Immunohistological analysis of Rosai-Dorfman histiocytosis. A disease of S-100 + CD1-histiocytes. Bonetti F, et al. **Virchows Arch [A]** 1987;411(2):129–35

Frequency distribution of plasma cells in the medullary cords of tumour-draining axillary and paracolic lymph nodes. Horst HA, et al. **Virchows Arch [A]** 1987;411(3):239–43

[The pathologic basis of egg-shell calcification of hilar and peritracheo-bronchial lymph nodes in silicosis] Xu YH. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Oct;9(5):288–9, 319 (Eng. Abstr.) **(Chi)**

[A study of the origin of tumor cells of Hodgkin's disease] Cao M. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Sep; 15(3):175–8 (Eng. Abstr.) **(Chi)**

[Ultrasound in the diagnosis of retroperitoneal and abdominal lymph node involvement in lymphogranuloma] Cyb AF, et al. **Cas Lek Cesk** 1987 Apr 24;126(17):513–6 (Eng. Abstr.) **(Cze)**

[Immunopathologic study of the persistent lymphadenopathies related to LAV-HTLV III infection] Audouin J, et al. **Ann Pathol** 1986;6(4–5):271–4 (Eng. Abstr.) **(Fre)**

[Histopathologic aspects of adenopathies in the persistent adenopathy syndrome and AIDS-related syndromes] Diebold J, et al. **Ann Pathol** 1986;6(4–5):266–70 (39 ref.) (Eng. Abstr.) **(Fre)**

[Lymph node histopathologic aspects in cutaneous lymphomas of the mycosis fungoides or Sézary syndrome type. Retrospective study of 98 biopsies] Wechsler J, et al. **Ann Pathol** 1987;7(2):122–9 (Eng. Abstr.) **(Fre)**

[Residual retroperitoneal masses of non-seminomatous germ cell tumors of the testis after chemotherapy. X-ray computed tomography-histology correlates] Bassoulet J, et al. **Ann Radiol (Paris)** 1986;29(7):607–13 (Eng. Abstr.) **(Fre)**

[Anatomo-pathologic diagnosis of syphilitic adenopathies. Apropos of a case] Butori C, et al. **Arch Anat Cytol Pathol** 1987;35(2):107–11 (Eng. Abstr.) **(Fre)**

[Do inguinal lymph node metastases of germinal tumors of the testis exist?] Bassoulet J, et al. **J Urol (Paris)** 1986; 92(6):345–8 (Eng. Abstr.) **(Fre)**

[Oncology] **Arch Otorhinolaryngol [Suppl]** 1986;2:39–48 **(Ger)**

[Current clinical aspects of lymph node diseases of the head and neck] Collo D. **Arch Otorhinolaryngol [Suppl]** 1986; 2:1–5 **(Ger)**

[Differential diagnosis of submandibular lymph node metastases using imaging procedures] Dumbach J. **Fortschr Kiefer Gesichtschir** 1987;32:91–2 **(Ger)**

[Value of rapid biopsy studies in the intraoperative assessment of axillary lymph node involvement in breast cancer] Reiner G, et al. **Onkologie** 1987 Apr;10(2):72–8 (Eng. Abstr.) **(Ger)**

[Immunohistologic characterization of so-called nevus cell nests in lymph nodes] Eckert F, et al. **Pathologe** 1987 Mar; 8(2):81–4 **(Ger)**

[Metastasized Kaposi sarcoma--oral manifestation in a case of AIDS] Lüttges J, et al. **Pathologe** 1986 Nov;7(6):334–7 **(Ger)**

[Detection of metastases in breast cancer. Comparative histologic and immunohistochemical studies with monoclonal anti-cytokeratin antibodies of the axillary lymph nodes] Stosiek P, et al. **Pathologe** 1986 Nov; 7(6):324–6 **(Ger)**

[Sonography in cervical lymph node metastases] Gritzmann N, et al. **Radiologe** 1987 Mar;27(3):118–22 (Eng. Abstr.) **(Ger)**

[A 22-year-old male patient with common variable immunodeficiency and increasing respiratory problems] Muntean W. **Wien Klin Wochenschr** 1987 May 1; 99(9):317–23 **(Ger)**

[Lymphography in malignant testicular tumors] Fischer U, et al. **Z Lymphol** 1987 Jul;11(1):8–13 (Eng. Abstr.) **(Ger)**

[Preparation and documentation of lymph nodes in breast cancers. Experiences in pathologic-anatomic practice] Zschoch H, et al. **Zentralbl Chir** 1986;111(15):921–5 (Eng. Abstr.) **(Ger)**

[Interdigitating reticulum cell hyperplasia simulating histiocytosis X of the lymph nodes] Szekeres G, et al. **Morphol Igazsagugyi Orv Sz** 1987 Jul;27(3):187–92 (Eng. Abstr.) **(Hun)**

[Value of the clinical examination of the axillary lymph nodes in the staging of carcinoma of the breast. Our experience] Latteri M, et al. **Minerva Chir** 1987 Jun 30;42(12):1045–7 (Eng. Abstr.) **(Ita)**

[Pathology of HTLV III/LAV virus infection] Vago L, et al. **Pathologica** 1986 Jan–Feb;78(1053):1–24 **(Ita)**

[Tamm-Horsfall protein. Histological and immunohistochemical study of renal and lymph node pathological deposits] Zanetti G, et al. **Pathologica** 1986 May–Jun;78(1055):339–47 (Eng. Abstr.) **(Ita)**

[A case of malignant melanoma, axillary lymph node metastasis proved by fine needle aspiration biopsy cytology] Shinozaki N, et al. **Gan No Rinsho** 1987 Apr; 33(4):438–41 (Eng. Abstr.) **(Jpn)**

[Clinicopathological examinations of sinus reactions of lymph nodes from tumor-bearing patients] Yasumoto R, et al. **Hinyokika Kiyo** 1987 Apr;33(4):487–90 (Eng. Abstr.) **(Jpn)**

[Histiocytic necrotizing lymphadenitis--clinicopathological study] Shirakusa T, et al. **Kekkaku** 1986 Dec;61(12):627–32 (Eng. Abstr.) **(Jpn)**

[Macroscopic analysis of mediastinal lymph node metastasis in lung cancer] Mitani N, et al. **Kyobu Geka** 1986 Nov; 39(11):869–73 (Eng. Abstr.) **(Jpn)**

[An anatomical and pathological study of autopsy material on the metastasis of pancreatic cancer to para-aortic lymph nodes] Nagai H. **Nippon Geka Gakkai Zasshi** 1987 Mar; 88(3):308–17 (Eng. Abstr.) **(Jpn)**

[Immunohistochemical study of the regional lymph nodes in gastric cancer] Okabayashi T. **Nippon Geka Gakkai Zasshi** 1987 May;88(5):529–42 (Eng. Abstr.) **(Jpn)**

[Prognosis of patients with carcinoma of the thoracic esophagus, with special reference to the number of metastatic lymph nodes and their metastatic portions] Omori N. **Nippon Geka Gakkai Zasshi** 1987 Apr; 88(4):413–21 (Eng. Abstr.) **(Jpn)**

[Primary macroglobulinemia associated with bone destruction] Kanoh T, et al. **Nippon Naika Gakkai Zasshi** 1986 Jul;75(7):936–40 **(Jpn)**

[Immunohistochemical study on regional lymph nodes of gastric cancer] Inagaki T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Apr;84(4):840–50 (Eng. Abstr.) **(Jpn)**

[Axillary lymphoid nodes in breast cancer] Hartveit F. **Tidsskr Nor Laegeforen** 1987 Feb 10;107(4):363–4 (Eng. Abstr.) **(Nor)**

[Usefulness of fine-needle aspiration biopsy of lymph nodes in the diagnosis of Hodgkin's disease] Czerniak B, et al. **Nowotwory** 1986 Jan–Mar;36(1):12–6 (Eng. Abstr.) **(Pol)**

[Kinetics of neoplastic tumors. III. Characteristics of growth of cervical lymph nodes with metastases of squamous cell carcinoma of the epiglottis] Maciejewski B. **Nowotwory** 1986 Oct–Dec;36(4):288–95 (Eng. Abstr.) **(Pol)**

[Ultrasonographic studies of lymph nodes and parenchymal organs of the abdominal cavity in malignant lymphomas] Wojnar J, et al. **Pol Arch Med Wewn** 1986 Apr;75(4):281–7 (Eng. Abstr.) **(Pol)**

[Lennert's lymphoma (problems of diagnosis and nosologic affiliation)] Khokhlova MP, et al. **Gematol Transfuziol** 1986 Aug;31(8):18–23 (Eng. Abstr.) **(Rus)**

[Lymphography, computed tomography and ultrasonic examination in determining the involvement of retroperitoneal and abdominal lymph nodes in Hodgkin's disease] Tsyb AF, et al. **Med Radiol (Mosk)** 1986 Sep; 31(9):19–24 (Eng. Abstr.) **(Rus)**

[Characteristics of the reaction of the parathymic lymph nodes to pathogenic influences] Aseeva ND, et al. **Ontogenez** 1986 Sep–Oct;17(5):538–40 (Eng. Abstr.) **(Rus)**

[Characteristics of the morphological picture of the submandibular lymph nodes in children with the 1st and 2d branchial arch syndrome] Kotov GA, et al. **Stomatologiia (Mosk)** 1986 Nov–Dec;65(6):37–9 (Eng. Abstr.) **(Rus)**

[Echotomographic picture of the lymph nodes of the abdominal cavity and retroperitoneal space in 2 histologic variants of lymphogranulomatosis] Arkhipov SN, et al. **Ter Arkh** 1986;58(9):53–4 **(Rus)**

[Cytologic picture of the lymphogiandular form of acquired toxoplasmosis] Separović V, et al. **Lijec Vjesn** 1987 Feb–Mar;109(2–3):83–6 (Eng. Abstr.) **(Ser)**

[Biopsy typing of angioimmunoblastic lymphadenopathy and its prognostic impact] Plank L. **Cas Lek Cesk** 1987 Jan 23;126(4):113–5 (Eng. Abstr.) **(Slo)**

[Interpretation of lymphoid modulation in the follicular center. Morphometric analysis on stored preparations stained with hematoxylin-eosin] Esquivas JJ, et al. **Sangre (Barc)** 1986;31(5):521–33 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

The functioning in unanaesthetized sheep of the popliteal lymph node after the surgical removal of its blood supply. Hall JG, et al. **Br J Exp Pathol** 1987 Feb;68(1):125–32

Alterations in lymphocyte recirculation within ultraviolet light-irradiated mice: efferent blockade of lymphocyte egress from peripheral lymph nodes. Chung HT, et al. **Cell Immunol** 1986 Oct 15;102(2):335–45

Macrophage activity of regional lymph nodes of cancer patients and its relation to stages of cancer. Mashiba H, et al. **Invasion Metastasis** 1986;6(6):367–75

Fate of superfluous sperm products after vasectomy and in the normal male tract of the mouse. Barratt CL, et al. **J Reprod Fertil** 1986 Sep;78(1):1–10

Patterns of lymphatic drainage to individual thoracic and cervical lymph nodes in the rat. Takahashi S, et al. **Lab Anim** 1987 Jan;21(1):31–4

Treatment of node-negative breast cancer patients with short course of chemotherapy immediately after surgery. Nissen-Meyer R, et al. **NCI Monogr** 1986;(1):125–8

Evidence for a migratory capability of rat Kupffer cells to portal tracts and hepatic lymph nodes. Hardonk MJ, et al. **Virchows Arch [B]** 1986;51(5):429–42

RADIATION EFFECTS

Calcification of lymph node in Hodgkin's lymphoma. Kumar V, et al. **Indian J Cancer** 1986 Sep;23(3):163–72

Impact of neck node radioresponsiveness on the regional control probability in patients with oropharynx and pharyngolarynx cancers managed by definitive radiotherapy. Bataini JP, et al. **Int J Radiat Oncol Biol Phys** 1987 Jun;13(6):817–24

High dose para-aortic lymph node irradiation for gynecologic cancer: technique, toxicity, and results. Russell AH, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb; 13(2):267–71

Marrow ablative doses of gamma-irradiation and protracted changes in peripheral lymph node microvasculature of murine and human bone marrow transplant recipients. Samlowski WE, et al. **Lab Invest** 1987 Jan;56(1):85–95

Age-related decrease in ultraviolet induced DNA repair in neurons but not in lymph node cells of inbred mice. de Sousa J, et al. **Mech Ageing Dev** 1986 Sep;36(1):1–12

[Subtotal lymphoid irradiation of myasthenia gravis with lympho-epithelial thymoma (letter)] Goulon M. **Presse Med** 1986 Sep 13;15(29):1380 **(Fre)**

[Electrosurgical radical operation of vulvar cancer with postoperative irradiation of the inguinal lymph nodes] Kucera H, et al. **Geburtshilfe Frauenheilkd** 1986 Sep; 46(9):595–600 (Eng. Abstr.) **(Ger)**

[Radiation management of the lymph drainage passages] Sack H. **Sonderb Strahlenther Onkol** 1987;81:63–8 (15 ref.) **(Ger)**

[Cyclophosphamide and total lymph node irradiation as conditioning for bone marrow transplant in severe aplastic anemia] Sotti G, et al. **Radiol Med (Torino)** 1987 Jun; 73(6):545–6 (Eng. Abstr.) **(Ita)**

[Total fractionated irradiation of the lymph nodes in stage III Hodgkin's disease] Simbirtseva LP, et al. **Med Radiol (Mosk)** 1987 May;32(5):8–12 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Non-Hodgkin's lymphoma of the head and neck: CT evaluation of nodal and extranodal sites. Harnsberger HR, et al. **AJR** 1987 Oct;149(4):785–91

CT of interpectoral lymph nodes. Holbert BL, et al. **AJR** 1987 Oct;149(4):687–8

A method of CT-examination of the lymphatic nodes in the maxillofacial and cervical regions. Sarachev E, et al. **Folia Med (Plovdiv)** 1986;28(2):48–53

Visualization of the popliteal lymph node by angiography [letter] Grassi CJ, et al. **Invest Radiol** 1987 Jan;22(1):92

Superior diaphragmatic lymph nodes: CT assessment. Aronberg DJ, et al. **J Comput Assist Tomogr** 1986 Nov–Dec;10(6):937–41

The mediastinum in Hodgkin's and non-Hodgkin's lymphomas. Blank N, et al. **J Thorac Imaging** 1987 Jan; 2(1):66–71

The value of computed tomography to the staging of non-small-cell primary bronchogenic carcinoma: a prospective study. Wouters EF, et al. **Neth J Surg** 1986 Dec;38(6):167–70

Computed tomography of the cranio-cervical lymphatic system: anatomical and functional considerations. Jinkins JR. **Neuroradiology** 1987;29(4):317–26

Experimental studies on the detection of enlarged lymph

nodes and defects through the use of multi-directional radiography, macroradiography and CT lymphography. Nakajima T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Apr 25; 47(4):565–74

An analysis of lymphographic signs for differentiating cancerous, lymphomatous, and normal lymph nodes. Tatsuzaki H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Apr 25; 47(4):575–84

Computed tomography of lymphomatous involvement of mesenteric nodes. Cole SM. **Radiography** 1986 Nov–Dec; 52(606):299–301

Punctate intranodal gold deposits simulating microcalcifications on mammograms. Bruwer A, et al. **Radiology** 1987 Apr;163(1):87–8

The value of CT in detecting pelvic lymph node metastases in cases of bladder and prostate carcinoma. Salo JO, et al. **Scand J Urol Nephrol** 1986;20(4):261–5

[Radiation planning in breast cancer. What is the depth of the internal mammary lymph nodes?] Sigmund G, et al. **Radiologe** 1987 Apr;27(4):178–80 (Eng. Abstr.) **(Ger)**

[Computed tomographic detection of lymph nodes in the hepatoduodenal ligament—study of Thorotrast deposit patients] Matsunaga T, et al. **Rinsho Hoshasen** 1986 Jun; 31(6):689–92 (Eng. Abstr.) **(Jpn)**

[Mediastinal lymph nodes in the computerized tomography picture of lung cancer] Brzecka A, et al. **Pneumonol Pol** 1986 Nov;54(11):497–503 (Eng. Abstr.) **(Pol)**

[Possibilities of detecting metastases to mediastinal lymph nodes in lung cancer] Feofilov GL, et al. **Grudn Khir** 1987 Mar–Apr;(2):65–9 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Immunolymphoscintigraphy of pulmonary and mediastinal lymph nodes in dogs: a new approach to lung cancer imaging. Mulshine JL, et al. **Cancer Res** 1987 Jul 1; 47(13):3572–6

The detection of internal mammary lymph nodal chain metastases in breast cancer using radiolabelled colloids. Inga G, et al. **Eur J Gynaecol Oncol** 1987;8(2):105–9

Radiotherapy treatment planning using lymphoscintigraphy. Jones D, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep; 12(9):1707–10

Technetium antimony sulfur colloid scintiscan in selective lymph node dissection for malignant melanoma. Doss LL, et al. **J Dermatol Surg Oncol** 1986 Dec;12(12):1280–4

The impact of intradermal lymphoscintigraphy on surgical management of clinical stage I truncal malignant melanoma. Kramer EL, et al. **J Dermatol Surg Oncol** 1987 May;13(5):508–15

Immunolymphoscintigraphy in patients with lymphoma after subcutaneous injection of indium-111-labeled T101 monoclonal antibody. Keenan AM, et al. **J Nucl Med** 1987 Jan;28(1):42–6

Preliminary studies of monoclonal antibody lymphoscintigraphy in malignant melanoma. Nelp WB, et al. **J Nucl Med** 1987 Jan;28(1):34–41

Utility of lymphoscintigraphy in directing surgical therapy for melanomas of the head, neck, and upper thorax. Eberbach MA, et al. **Surgery** 1987 Sep;102(3):433–42

[The value of breast lymphoscintigraphy in the definition of axillary staging in cancer of the breast] Serin D, et al. **Bull Cancer (Paris)** 1986;73(3):299–304 (Eng. Abstr.) **(Fre)**

[Initial results of immunolymphoscintigraphy in the diagnosis of axillary lymph node involvement in breast cancer patients] Pateisky N, et al. **Geburtshilfe Frauenheilkd** 1986 Oct;46(10):681–4 (Eng. Abstr.) **(Ger)**

[Lymphoscintigraphy in the study of lymphedema of the arms] Carena M, et al. **Radiol Med (Torino)** 1987 Apr; 73(4):310–2 (Eng. Abstr.) **(Ita)**

[Dual tracer scintigraphy using 99mTc-rhenium-colloid and 67Ga-citrate (I): A basic investigation and clinical evaluation] Maruo N, et al. **Kaku Igaku** 1986 Aug; 23(8):1009–18 (Eng. Abstr.) **(Jpn)**

[On the lymphatics of the cardia—with special reference to the study of using endoscopic lymphoscintigraphy with SPECT] Kohno Y. **Nippon Geka Gakkai Zasshi** 1987 Jun; 88(6):686–95 (Eng. Abstr.) **(Jpn)**

[Value of axillary lymphoscintigraphy using technetium 99Tcm Nanocoll in the diagnosis of breast cancer] Jabłkowski W, et al. **Pol Przegl Radiol (Warszawa)** 1986 Nov–Dec;50(6):313–6 (Eng. Abstr.) **(Pol)**

SECRETION

Lymphotoxin activity of regional lymph nodes of cancer patients and its relation to stages of cancer and the regulatory role of macrophages. Matsunaga K, et al. **Invasion Metastasis** 1987;7(1):41–52

SURGERY

Hydatid disease and extrinsic compression of the common bile duct. Hepatic echinococcosis [letter] Placer C, et al. **Surgery** 1987 May;101(5):648

[Microsurgical therapy of post-mastectomy lymphedema of the arm] Ortensi A, et al. **Minerva Chir** 1987 Feb 15; 42(3):159–62 (Eng. Abstr.) **(Ita)**

TRANSPLANTATION

Graft-vs-host reaction induced by para-aortic lymph nodes during estrous and diestrous stages. De Bonaparte YP, et al. **Am J Reprod Immunol Microbiol** 1986 Oct;12(2):45–7

The lymphnodal clonogenicity and kinetics of metastatic cells disseminated by a transplanted rat carcinoma. Dixon B, et al. **Br J Cancer** 1986 Dec;54(6):999–1008

Functional and histological studies of adoptive immunity in neonatally transplanted rabbits. Claassen E, et al. **Immunology** 1987 Jan;60(1):37–44

ULTRASTRUCTURE

Internal structure of the postcapillary high-endothelial venules of rodent lymph nodes and Peyer's patches and the transendothelial lymphocyte passage. Cho Y, et al. **Am J Anat** 1986 Dec;177(4):481–90

Cytomembranous inclusions observed in acquired immunodeficiency syndrome. Clinical and experimental review. Kostianovsky M, et al. **Arch Pathol Lab Med** 1987 Mar;111(3):218–23 (45 ref.)

Missing Y chromosomes in lymph nodes from patients with non-Hodgkin's lymphoma. Bateman BJ, et al. **Cancer Genet Cytogenet** 1987 Apr;25(2):219–25

T-zone lymphoma with predominance of 'plasmacytoid T-cells' associated with myelomonocytic leukaemia—a distinct clinicopathological entity. Beiske K, et al. **J Pathol** 1986 Dec;150(4):247–55

Genotypic analysis of lymph node biopsies. O'Connor NT. **J Pathol** 1987 Mar;151(3):185–90 (40 ref.)

A serial section study of tubular confronting cisternae (so-called 'test-tube and ring-shaped forms') in AIDS. Ghadially FN, et al. **J Submicrosc Cytol** 1987 Jan; 19(1):175–83

Ultrastructural alterations and virus-like particles in lymph nodes of drug addicts with lymphadenopathy syndrome (LAS). Schiaffino E, et al. **Pathol Res Pract** 1986 Dec; 181(6):755–60

Architecture of sheep haemal nodes. Gargiulo AM, et al. **Res Vet Sci** 1987 May;42(3):280–6

Corrosion cast technique applied in lymphatic pathways. Castenholz A. **Scan Electron Microsc** 1986;(Pt 2):599–605

[Ultrastructural changes in the uterine epithelium and in the immunocompetent cells of the lymph nodes draining the uterus during pregnancy in swine] Georgieva R, et al. **Vet Med Nauki** 1986;23(10):54–61 (Eng. Abstr.) **(Bul)**

[Ultrastructural study of Hodgkin's disease] Ding CL. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Sep;15(3):171–4 (Eng. Abstr.) **(Chi)**

[Ultrastructural study of the lymph nodes in patients at risk for AIDS] Le Tourneau A, et al. **Ann Pathol** 1986; 6(4–5):275–7 (Eng. Abstr.) **(Fre)**

[Ultrastructural study of 36 lymph node sites of Hodgkin's disease] Diebold J, et al. **Bull Cancer (Paris)** 1986; 73(5):479–96 (Eng. Abstr.) **(Fre)**

[Changes in the structure of interphase nuclei of lymph node stromal cells after treatment with cAMP] Fedorov NA, et al. **Biol Nauki** 1987;(1):16–20 (Eng. Abstr.) **(Rus)**

[Ultrastructure and surface architectonics of the lymph node cells in patients with malignant non-Hodgkin's lymphoma] Kozinets GI, et al. **Gematol Transfuziol** 1986 Aug; 31(8):11–3 (Eng. Abstr.) **(Rus)**

[Cytophotometric and electron microscopic studies of chronic human skin lymphomas. II. Research on lymph node involvement] Bushmarina MS, et al. **Tsitologiia** 1987 Apr;29(4):421–5 (Eng. Abstr.) **(Rus)**

LYMPHADENITIS

Primary lymphocutaneous Nocardia brasiliensis infection. Moeller CA, et al. **Arch Dermatol** 1986 Oct;122(10):1180–2

CHEMICALLY INDUCED

Silicone lymphadenopathy, synovitis and osteitis complicating big toe Silastic prostheses. Jasim KA, et al. **J R Coll Surg Edinb** 1987 Feb;32(1):29–33

[Acute drug-induced interstitial nephritis, granulomatous hepatitis and lymphadenitis, stomatitis and exanthema] Skovgaard N, et al. **Ugeskr Laeger** 1987 Mar 23; 149(13):853–4 (Eng. Abstr.) **(Dan)**

[Dermatopathic lymphadenopathy caused by amalgam allergy. A case report] [published erratum appears in Laryngol Rhinol Otol (Stuttg) 1987 Apr;66(4):224] Schapowal A, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Feb;66(2):73–5 (Eng. Abstr.) **(Ger)**

[Clinico-immunogenetic manifestations of postvaccinal lymphadenitis] Mitinskaia LA, et al. **Probl Tuberk** 1987; (5):50–3 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

[Case of sudden death in retropharyngeal abscess] Khodasevich LS. **Pediatriia** 1986 Dec;(12):60–1 **(Rus)**

DIAGNOSIS

[Bilateral hilar adenopathies in a young man (clinical conference)] Favez G, et al. **Rev Med Suisse Romande** 1987 Mar;107(3):277–83 **(Fre)**

[Lymphadenitis toxoplasmotica—a zoonosis] Knöbber D, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Feb;66(2):70–2 (Eng. Abstr.) **(Ger)**

[Acute nonspecific diseases of the lymph nodes in children] Akhmedov MA, et al. **Klin Khir** 1987;(6):57–8 (Eng. Abstr.) **(Rus)**

[Acute nonspecific lymphadenitis of the maxillofacial area in children] Simanovskaia ElIu, et al. **Stomatologiia (Mosk)** 1986 Nov–Dec;65(6):33–5 (Eng. Abstr.) **(Rus)**

[Suppurative abscessed mesadenitis in a child] Radevich OL, et al. **Vestn Khir** 1987 Mar;138(3):113 **(Rus)**

DRUG THERAPY

[Traditional Chinese medicine and Western medicine treatment of submaxillary adenitis. A report of 22 cases] Chen BS. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr; 6(4):238, 197 (Eng. Abstr.) **(Chi)**

[Lymphotropic antibiotic therapy] Levin IuM, et al. **Khirurgiia (Mosk)** 1987 Jan;(1):72–6 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Suppurative lymph node complications following BCG vaccination given at new-born age. Loós T. **Dev Biol Stand** 1986;58 (Pt A):351–4

Mycoplasma-induced upper deep-cervical lymphadenitis. Mukai S, et al. **Ear Nose Throat J** 1987 Apr;66(4):159–62

Corynebacterium pseudodiphtheriticum associated with suppurative lymphadenitis [letter] LaRocco M, et al. **Eur J Clin Microbiol** 1987 Feb;6(1):79

Lymphadenitis complicating BCG administration in Central Australian infants [letter] Hanna JN. **Med J Aust** 1986 Dec 1–15;145(11–12):662–3

Extensive cervical lymphadenitis due to Mycobacterium avium-intracellulare. Kinsella JP, et al. **Pediatr Infect Dis J** 1987 Mar;6(3):289–91

Childhood lymphadenitis in a harsh northern climate due to atypical mycobacteria. Gill MJ, et al. **Scand J Infect Dis** 1987;19(1):77–83

Lymphadenitis in Sowda. Abdel-Hameed AA, et al. **Trop Geogr Med** 1987 Jan;39(1):73–6

[Mycobacterial cervical lymphadenitis] Haas H, et al. **Harefuah** 1987 Mar 15;112(6):297–9 **(Heb)**

[Retroperitoneal and mesenteric adenopathies associated with primary biliary cirrhosis (letter)] Molina Boix M, et al. **Med Clin (Barc)** 1987 May 9;88(18):740–1 **(Spa)**

MICROBIOLOGY

Yersinia enterocolitica inguinal lymphadenitis. Zimmerman RS, et al. **Diagn Microbiol Infect Dis** 1986 Sep;5(3):265–8

OCCURRENCE

Corynebacterium ovis (pseudo-tuberculosis) lymphadenitis in a sheep farmer: a new occupational disease in New Zealand. House RW, et al. **NZ Med J** 1986 Sep 10; 99(809):659–62

PATHOLOGY

Localized herpes simplex lymphadenitis. Epstein JI, et al. **Am J Clin Pathol** 1986 Oct;86(4):444–8

Granulomatous lymphadenitis in children. Benjamin DR. **Arch Pathol Lab Med** 1987 Aug;111(8):750–3

Histiocytic necrotizing lymphadenitis (Kikuchi's disease). Ma DD, et al. **Aust NZ J Med** 1986 Oct;16(5):711–3

Distribution of basement membrane laminin and type IV collagen in human reactive lymph nodes. Karttunen T, et al. **Histopathology** 1986 Aug;10(8):841–9

Persistent cervical adenitis and nasopharyngeal carcinoma in children. Norton KI, et al. **J Comput Tomogr** 1987 Jul; 11(3):275–8

Immunohistochemical studies on histiocytic necrotizing lymphadenitis [letter] Chan JK, et al. **Pathology** 1987 Jan; 19(1):104

Stages in LAV/HTLV-III lymphadenitis. II. Correlation with clinical and immunological findings. Gerstoft J, et al. **Scand J Immunol** 1987 Jan;25(1):93–9

Stages in LAV/HTLV-III lymphadenitis. I. Histological and immunohistological classification. Pallesen G, et al. **Scand J Immunol** 1987 Jan;25(1):83–91

[Necrotizing lymphadenitis or Kikuchi's disease. Apropos of a case] Duplay H, et al. **Arch Anat Cytol Pathol** 1986; 34(5–6):293–6 (Eng. Abstr.) **(Fre)**

[Necrotizing lymphadenitis (or Kikuchi's disease). Apropos of a case in Cameroon (Central Africa)] Mbakop A. **Arch Anat Cytol Pathol** 1986;34(5–6):307–8 (Eng. Abstr.) **(Fre)**

[Histiocytic necrotizing lymphadenitis—clinicopathological study] Shirakusa T, et al. **Kekkaku** 1986 Dec;61(12):627–32 (Eng. Abstr.) **(Jpn)**

[Surgical anatomy of the lateral surface of the neck and submandibular triangle in inflammatory processes in young children] Novoselov RD, et al. **Stomatologiia (Mosk)** 1986 Nov–Dec;65(6):32–3 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Use of the technic of indirect lymphography of the neck in the clinical practice of maxillofacial surgery] Timofeev AA, et al. **Klin Khir** 1986;(12):37–8 (Eng. Abstr.) **(Rus)**

THERAPY

[Helium-neon laser radiation in the combined treatment of children with nonspecific lymphadenitis of the face and neck] Shargorodskiĭ AG, et al. **Stomatologiia (Mosk)** 1986

Nov-Dec;65(6):30-2 (Eng. Abstr.) (Rus)

VETERINARY

Corynebacterium pseudotuberculosis infection in goats. I. Evaluation of two serological diagnostic tests. Holstad G. **Acta Vet Scand** 1986;27(4):575-83

Corynebacterium pseudotuberculosis infection in goats. IV. Course of the infection in two recently infected goat herds. Holstad G. **Acta Vet Scand** 1986;27(4):609-16

Corynebacterium pseudotuberculosis infection in goats. II. The prevalence of caseous lymphadenitis in 36 goat herds in Northern Norway. Holstad G. **Acta Vet Scand** 1986; 27(4):584-97

Corynebacterium pseudotuberculosis infection in goats. III. The influence of age. Holstad G. **Acta Vet Scand** 1986; 27(4):598-608

Corynebacterium pseudotuberculosis infection in goats. V. Relationship between the infection and lesions resulting from vaccination against paratuberculosis. Holstad G. **Acta Vet Scand** 1986;27(4):617-22

Efficacy of Corynebacterium pseudotuberculosis bacterin for the immunologic protection of sheep against development of caseous lymphadenitis. LeaMaster BR, et al. **Am J Vet Res** 1987 May;48(5):869-72

The effect of caseous lymphadenitis on body condition and weight of Merino mutton carcases. Batey RG. **Aust Vet J** 1986 Aug;63(8):268

Pathogenesis of caseous lymphadenitis in sheep and goats. Batey RG. **Aust Vet J** 1986 Sep;63(9):269-72

Synergistic hemolysis-inhibition titers associated with caseous lymphadenitis in a slaughterhouse survey of goats and sheep in Northeastern Brazil. Brown CC, et al. **Can J Vet Res** 1987 Jan;51(1):46-9

[Pseudotuberculosis in goats also in the Netherlands. A literature review] van Gent RJ, et al. **Tijdschr Diergeneeskd** 1987 Mar 15;112(6):334-9 (Eng. Abstr.) (Dut)

LYMPHADENITIS, TUBERCULOUS see **TUBERCULOSIS, LYMPH NODE**

LYMPHADENOPATHY-ASSOCIATED VIRUS see **HTLV-III**

LYMPHADENOPATHY, IMMUNOBLASTIC see **IMMUNOBLASTIC LYMPHADENOPATHY**

LYMPHADENOPATHY SYNDROME see **AIDS-RELATED COMPLEX**

LYMPHANGIECTASIS

BLOOD

Platelet sequestration in widespread pulmonary hemangiolymphangiectasia. Demonstration by indium-111 labeled platelets. Kim SM, et al. **Clin Nucl Med** 1987 Mar; 12(3):215-6

DIAGNOSIS

Fetal lymphangiectasia--another cause for a positive amniotic fluid acetylcholinesterase test. Holzgreve W, et al. **Arch Gynecol** 1986;239(2):123-5

Renal peripelvic multicystic lymphangiectasia. Kutcher R, et al. **Urology** 1987 Aug;30(2):177-9

ETIOLOGY

Lymphangioma circumscriptum following mastectomy and radiation therapy. Leshin B, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 2):1117-9

PATHOLOGY

An immature stillbirth with lymphangiectasis and gonadal agenesis. Voorhoof LJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Oct;9(5):317-20

LYMPHANGIECTASIS, INTESTINAL see under **PROTEIN-LOSING ENTEROPATHIES**

LYMPHANGIOENDOTHELIOMA see **LYMPHANGIOMA**

LYMPHANGIOENDOTHELIOMA, MALIGNANT see **LYMPHANGIOSARCOMA**

LYMPHANGIOMA

Cystic hygroma presenting as a case of shoulder dystocia in labour. Rachagan SP, et al. **Asia Oceania J Obstet Gynaecol** 1987 Jun;13(2):167-9

[A rare case of lymphangiomatosis] Duzhil ID, et al. **Klin Khir** 1987;(5):51 (Rus)

COMPLICATIONS

Splenic lymphangiomatosis: a rare cause of splenomegaly. Marymont JV, et al. **J Pediatr Surg** 1987 May;22(5):461-2

Urethral obstruction owing to retroperitoneal cystic lymphangioma. Kanzaki S, et al. **J Urol** 1987 Aug; 138(2):370-1

Acute subdural hematoma of arterial origin in a patient with a lumboperitoneal shunt. Aoki N. **Neurol Med Chir (Tokyo)** 1987 Jan;27(1):60-2

[Lymphangioma of the mesentery as the cause of intestinal obstruction] Varmarken JE, et al. **Ugeskr Laeger** 1987 Feb 23;149(9):598-9 (Eng. Abstr.) (Dan)

[Mesenteric lymphangioma in a child with acute anemia] Lanning M, et al. **Duodecim** 1987;103(2):92-4 (Fin)

[Cervicomediastinal lymphangioma causing asphyxia] Gaĭdanov FKh, et al. **Khirurgiia (Mosk)** 1986 Aug;(8):145-6 (Rus)

[Lymphangioma of the larynx as a cause of progressive dyspnea] Clarós P, et al. **An Otorrinolaringol Ibero Am** 1986;13(4):379-86 (Eng. Abstr.) (Spa)

CONGENITAL

Lymphangiomas of the alveolar ridge in a neonate: report of case. Kittle PE, et al. **ASDC J Dent Child** 1987 Jul-Aug; 54(4):277-9

DIAGNOSIS

Antenatal sonographic diagnoses of giant cystic hygroma of the neck. A problem for the clinician. Lyngbye T, et al. **Acta Obstet Gynecol Scand** 1986;65(8):873-5

Magnetic resonance imaging of orbital lymphangiomas. Haik BG, et al. **Am J Ophthalmol** 1987 May 15;103(5):724-5

Chocolate cysts of the orbit. Eiferman RA, et al. **Ann Ophthalmol** 1986 Apr;18(4):156-7

Prenatal sonographic diagnosis of isolated congenital cystic hygroma, unassociated with lymphedema or other morphologic abnormality. Benacerraf BR, et al. **J Ultrasound Med** 1987 Feb;6(2):63-6

Cystic lymphangioma presenting as subacute thyroiditis. Jensen MD, et al. **Minn Med** 1986 Aug;69(8):463-4

The importance of chorionic villus sampling after first trimester diagnosis of cystic hygroma. Reuss A, et al. **Prenat Diagn** 1987 May;7(4):299-301

Mesenteric and omental cysts: histologic classification with imaging correlation. Ros PR, et al. **Radiology** 1987 Aug; 164(2):327-32

Cystic hygromas in children: sonographic-pathologic correlation. Sheth S, et al. **Radiology** 1987 Mar;162(3):821-4

Lymphoceles: imaging characteristics and percutaneous management. vanSonnenberg E, et al. **Radiology** 1986 Dec; 161(3):593-6

[Cystic hemolymphangioma of the adrenal gland (letter)] Gossot D, et al. **J Chir (Paris)** 1987 Jun-Jul;124(6-7):404-5 (Fre)

[Diffuse cystic peritoneal lymphangiomatosis. Long-term clinical, ultrasonic and x-ray computed tomographic study. Apropos of a case] Berry M, et al. **J Radiol** 1987 Mar; 68(3):199-203 (Eng. Abstr.) (Fre)

[Adrenal cystic lymphangioma. Report of a case] Roumieu G, et al. **J Radiol** 1986 Oct;67(10):693-5 (Eng. Abstr.) (Fre)

[Lymphangioma of the uterus. Apropos of a case] Aubard Y, et al. **Rev Fr Gynecol Obstet** 1986 Dec;81(12):719-20 (Eng. Abstr.) (Fre)

[Increase in girth] Högemann B, et al. **Schweiz Rundsch Med Prax** 1986 Aug 19;75(34):996-9 (Eng. Abstr.) (Ger)

[Cystic lymphangioma of the lesser epiploon (on a case brought to our attention)] Uggeri G, et al. **Ann Ital Chir** 1986;58(2-4):159-70 (Eng. Abstr.) (Ita)

[Role of echography in the study of lymphangiomas. Presentation of 2 cases] Bagnolesi P, et al. **Radiol Med (Torino)** 1986 Nov;72(11):858-60 (Ita)

[Lymphangioma of the kidney] Furuhata A, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Jan;78(1):149-52 (Eng. Abstr.) (Jpn)

[A case of lymphangioma of the pancreas] Tanaka J, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct;83(10):2258-63 (Jpn)

[Cavernous lymphangioma of the right lung] Borgieł W, et al. **Wiad Lek** 1987 Feb 1;40(3):180-4 (Eng. Abstr.) (Pol)

DRUG THERAPY

Treatment of cystic hygroma and lymphangioma with the use of bleomycin fat emulsion. Tanigawa N, et al. **Cancer** 1987 Aug 15;60(4):741-9

ETIOLOGY

Iatrogenic ex vacuo subdural hygroma: and a complication of the modified "Poppen" suture [letter]Jha AN, et al. **J Neurol Neurosurg Psychiatry** 1986 Sep;49(9):1084-5

[Pathogenesis of traumatic subdural hydroma] Zotov IuV, et al. **Zh Vopr Neirokhir** 1986 Nov-Dec;(6):33-7 (Eng. Abstr.) (Rus)

PATHOLOGY

Lymphangioma of the pancreas. A case report with electron microscopic observations. Murao T, et al. **Acta Pathol Jpn** 1987 Mar;37(3):503-10

Fetal giant hemangiolymphangioma: report of a case. Shah KD, et al. **Am J Perinatol** 1987 Jul;4(3):212-4

Thoracic lymphangiomatosis. Carlson KC, et al. **Arch Pathol Lab Med** 1987 May;111(5):475-7

Lymphangioma of the tongue: report of case. White MA. **ASDC J Dent Child** 1987 Jul-Aug;54(4):280-2

Lymphangioma of the spermatic cord. Huang PF, et al. **J Tenn Med Assoc** 1987 May;80(5):270-2

Orbital-adnexal lymphangiomas. A spectrum of hemodynamically isolated vascular hamartomas. Rootman J, et al. **Ophthalmology** 1986 Dec;93(12):1558-70

Bilateral symmetrical lymphangiomas of the gingiva. McDaniel RK, et al. **Oral Surg Oral Med Oral Pathol** 1987 Feb;63(2):224-7

Benign scrotal tumors masquerading as expanding varicoceles. Kaufman DG, et al. **Urology** 1987 Jun; 29(6):612-5

[Fibromucosal nodular lesions in newborn infants] Van Cuc E, et al. **Rev Stomatol Chir Maxillofac** 1986;87(3):192-4 (Eng. Abstr.) (Fre)

[Giant lymphatic cyst of the spleen] Niemiec S. **Wiad Lek** 1986 Jul 1;39(13):902-4 (Eng. Abstr.) (Pol)

[Cystic lymphangioma of the greater omentum] Grigor'ev BA, et al. **Khirurgiia (Mosk)** 1986 Aug;(8):142-3 (Rus)

PREVENTION & CONTROL

[Preventive treatment of lymphoceles after enlarged lymphadeno-colpohysterectomy: non-reperitonization with epiplooplasty] Zamora A, et al. **J Chir (Paris)** 1987 May;124(5):323-5 (Eng. Abstr.) (Fre)

RADIOGRAPHY

Cavernous lymphangioma of the duodenum: case report and review of the literature. Davis M, et al. **Gastrointest Radiol** 1987;12(1):10-2

Computed tomography of retroperitoneal cystic lymphangiomas. Munechika H, et al. **J Comput Assist Tomogr** 1987 Jan-Feb;11(1):116-9

Systemic lymphangiomatosis: a combined diagnostic approach of lymphangiography and computed tomography. Griffin GK, et al. **J Comput Tomogr** 1986 Oct;10(4):335-9

Intrathoracic lymphangioma. Brown LR, et al. **Mayo Clin Proc** 1986 Nov;61(11):882-92

[Cystic lymphangioma of the mediastinum. Radiologic data apropos of 7 cases] Jahn C, et al. **J Radiol** 1987 Feb; 68(2):89-96 (Eng. Abstr.) (Fre)

[Retroperitoneal cystic lymphangioma] Völker JA, et al. **Z Gastroenterol** 1987 Feb;25(2):130-4 (Eng. Abstr.) (Ger)

RADIONUCLIDE IMAGING

Salivary gland scintigraphy. Cystic hygroma of the parotid. Schroeder BA, et al. **Clin Nucl Med** 1987 Jun;12(6):485-6

SURGERY

The clinical course of surgically treated posttraumatic subdural hygromas. Wetterling T, et al. **Acta Neurochir (Wien)** 1986;83(3-4):99-104

Lymphangiomas of the larynx in infants and children. A survey of pediatric lymphangioma. Cohen SR, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1986 Nov-Dec;127:1-20

Surgical treatment of acute subdural hygroma in children. Mircevski M, et al. **Childs Nerv Syst** 1986;2(6):314-6

Cutaneous hemangiomas and lymphangiomas. Thomson H. **Clin Plast Surg** 1987 Apr;14(2):341-56 (93 ref.)

[Cystic lymphangioma of the anterior mediastinum. Study of a case encompassing the right innominate vein] Devolfe C, et al. **Ann Chir** 1986 Nov;40(8):585-8 (Eng. Abstr.) (Fre)

[Extensive cavernous lymphangioma of the hand (case report)] Renner A, et al. **Handchir Mikrochir Plast Chir** 1986 Nov;18(6):327-30 (Eng. Abstr.) (Ger)

[Orbital lymphangioma] Chen V, et al. **Harefuah** 1986 Nov 2;111(9):237-40 (Eng. Abstr.) (Heb)

[A case of hemolymphangioma of the pancreas] Banchini E, et al. **Minerva Chir** 1987 May 15;42(9):807-13 (Eng. Abstr.) (Ita)

[A case of retroperitoneal lymphangioma successfully treated by pancreatoduodenectomy] Kurokawa Y, et al. **Nippon Geka Gakkai Zasshi** 1987 Feb;88(2):222-6 (Eng. Abstr.) (Jpn)

[Description of a treatment technic using a CO2 laser in a lymphangioma of the upper aerodigestive tract] Videgain Salaverría G, et al. **An Otorrinolaringol Ibero Am** 1987; 14(2):145-52 (Eng. Abstr.) (Spa)

THERAPY

About the treatment of lymphocele [letter] Teruel JL, et al. **Nephron** 1987;45(1):73

Hemangiomas, lymphangiomas, and vascular malformations of the head and neck. Stal S, et al. **Otolaryngol Clin North Am** 1986 Nov;19(4):769-96 (91 ref.)

[Management of hygroma] Bourgeois P. **Ann Dermatol Venereol** 1986;113(9):881-2 (Fre)

[Hemolymphangioma of the tongue treated with combination embolization-surgery. Apropos of a case] Laufer J, et al. **Rev Stomatol Chir Maxillofac** 1986;87(3):184-7 (Eng. Abstr.) (Fre)

ULTRASTRUCTURE

Lymphangioma of the duodenum: an ultrastructural study. Aneiros J, et al. **Endoscopy** 1986 Nov;18(6):245-8

LYMPHANGIOMYOMA see under **LYMPHOPROLIFERATIVE DISORDERS**

LYMPHANGIOSARCOMA

COMPLICATIONS

Lymphangiosarcoma associated with chronic filarial lymphedema. Muller R, et al. **Cancer** 1987 Jan 1; 59(1):179–83

PATHOLOGY

[Stewart–Treves pseudo-syndrome caused by cutaneo-lymphatic metastases of contralateral breast carcinoma] Sigal M, et al. **Ann Dermatol Venereol** 1987; 114(5):677–83 (Eng. Abstr.) (Fre)

LYMPHANGITIS

Primary lymphocutaneous Nocardia brasiliensis infection. Moeller CA, et al. **Arch Dermatol** 1986 Oct;122(10):1180–2

COMPLICATIONS

[Pedunculitis as a cause of chyluria] Aslamazov EG, et al. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):63–5 (Rus)

ETIOLOGY

Non-venereal sclerosing lymphangitis of the penis associated with masturbation. Sieunarine K. **Br J Urol** 1987 Feb; 59(2):194–5

MICROBIOLOGY

Lymphocutaneous nocardiosis caused by Nocardia asteroides. Case report and literature review. Tsuboi R, et al. **Arch Dermatol** 1986 Oct;122(10):1183–5

PATHOLOGY

[Lymphangitic sporotrichosis] Bojanovsky A, et al. **Hautarzt** 1987 Feb;38(2):112–4 (Eng. Abstr.) (Ger)

VETERINARY

Studies on histoplasmosis farciminosi (epizootic lymphangitis) in Egypt. Isolation of Histoplasma farciminosum from cases of histoplasmosis farciminosi in horses and its morphological characteristics. Selim SA, et al. **Eur J Epidemiol** 1985 Jun;1(2):84–9

Intestinal lymphangiectasia with lipogranulomatous lymphangitis in a dog. Meschter CL, et al. **J Am Vet Med Assoc** 1987 Feb 15;190(4):427–30

LYMPHAPHERESIS see LEUKAPHERESIS

LYMPHATIC DISEASES

see related
CHYLOTHORAX
LEUKEMIA, LYMPHOBLASTIC
LEUKEMIA, LYMPHOCYTIC
LYMPHOMA

Systemic plasmacytosis and the Crow–Fukase syndrome. Burton JL. **Arch Dermatol** 1987 Apr;123(4):425–6

[Extracorporeal shockwave lithotripsy and lymph node calcification] Higashihara E, et al. **Dtsch Med Wochenschr** 1987 May 8;112(19):763–4 (Eng. Abstr.) (Ger)

[Report of the 10th annual meeting of the German Society for Lymphology. 19–21 September 1986, Göttingen. Abstracts] **Z Lymphol** 1987 Jul;11(1):33–40 (Ger)

[A case report of Parinaud's oculoglandular syndrome] Tomić Z. **Med Pregl** 1986;39(3–4):151–4 (Eng. Abstr.) (Scr)

BLOOD

Beta 2-microglobulin levels in homosexual men in Johannesburg, South Africa. Sher R. **AIDS Res** 1983–84; 1(4):271–4

CHEMICALLY INDUCED

Quinidine-induced reactive lymphadenopathy. Gay RG, et al. **Am J Med** 1987 Jan;82(1):143–5

Quinidine-induced reactive lymphadenopathy [letter] McGrath H Jr. **Am J Med** 1987 Aug;83(2):369

[Changes in the anatomic structures and cellular composition of lymph nodes after prenatal exposure to oleandomycin] Dolgova MA, et al. **Arkh Anat Gistol Embriol** 1986 Nov; 91(11):53–60 (Eng. Abstr.) (Rus)

COMPLICATIONS

Systemic plasmacytosis. A syndrome of peculiar multiple skin eruptions, generalized lymphadenopathy, and polyclonal hypergammaglobulinemia. Watanabe S, et al. **Arch Dermatol** 1986 Nov;122(11):1314–20

Persistent generalized lymphadenopathy in drug addicts: immunological studies. Barcellini W, et al. **Boll Ist Sieroter Milan** 1986;65(4):269–76

Chyloperitoneum with collateral lymphatic drainage involving abdominal skin. Perino LE, et al. **Dig Dis Sci** 1987 Jun;32(6):660–4

The coexistence of Langerhans' cell granulomatosis and malignant lymphoma may take different forms: report of seven cases with a review of the literature. Neumann MP, et al. **Hum Pathol** 1986 Oct;17(10):1060–5

Abdominal lymphadenopathy in sarcoidosis. Deutch SJ, et al. **J Ultrasound Med** 1987 May;6(5):237–42

A case of myasthenia gravis associated with thymoma, multiple schwannomas and monoclonal IgA gammopathy. Oda K, et al. **Jpn J Med** 1987 May;26(2):223–5

DIAGNOSIS

Fine needle aspiration cytology of localized Leishmania lymphadenitis. Kumar PV, et al. **Acta Cytol (Baltimore)** 1987 Jan–Feb;31(1):14–6

Cytologic diagnosis of reactive lymphadenopathy in fine needle aspiration biopsy specimens. Stani J. **Acta Cytol (Baltimore)** 1987 Jan–Feb;31(1):8–13

Periodic acid–Schiff–negative granulomatous lymphadenopathy in patients with Whipple's disease. Localization of the Whipple bacillus to noncaseating granulomas by electron microscopy. Wilcox GM, et al. **Am J Med** 1987 Jul;83(1):165–70

Tuberculosis presenting as stridor. Hodder RV, et al. **Ann Thorac Surg** 1987 Jan;43(1):98–9

Chronic lymphadenopathy caused by Penicillium marneffei: a condition mimicking tuberculous lymphadenopathy. Yuen WC, et al. **Br J Surg** 1986 Dec;73(12):1007–8

Primary lymphatic dysplasia in children: chylothorax, chylous ascites, and generalized lymphatic dysplasia. Smeltzer DM, et al. **Eur J Pediatr** 1986 Sep;145(4):286–92

Ultrasonographic diagnosis of infected lymphocele after kidney transplantation. Ridge JA, et al. **Eur Urol** 1987; 13(1–2):31–4

Sonography of neck masses in children: is it useful? Gianfelice D, et al. **Int J Pediatr Otorhinolaryngol** 1986 Sep; 11(3):247–56

Magnetic resonance imaging of retroperitoneal lymphadenopathy. Dunlap HJ, et al. **J Can Assoc Radiol** 1987 Jun;38(2):75–81

Generalized lymphadenopathy. Libman H. **J Gen Intern Med** 1987 Jan–Feb;2(1):48–58 (58 ref.)

Diagnostic value of aspiration biopsy in lymphadenopathy [letter] Mahakul KC. **J Indian Med Assoc** 1986 Apr; 84(4):130

A reassessment of hilar and mediastinal lymphadenopathy in patients with sarcoidosis. Woodring JH, et al. **J Ky Med Assoc** 1986 Aug;84(8):402–6

Indolent lymphadenopathic Kaposi's sarcoma. Schwartz RA, et al. **J Surg Oncol** 1987 Apr;34(4):243–7

Retroperitoneal mass and elevation of alpha-fetoprotein following lymphadenectomy and adjuvant chemotherapy for nonseminomatous testicular cancer [clinical conference] Fowler JE Jr, et al. **J Urol** 1987 Jun;137(6):1216–8

Tonsil concretions and tonsilloliths. Pruet CW, et al. **Otolaryngol Clin North Am** 1987 May;20(2):305–9

Pitfall in MR imaging of lymphadenopathy after lymphangiography. Buckwalter KA, et al. **Radiology** 1986 Dec;161(3):831–2

[Primary cervico-facial amylosis. Apropos of a case] Uziel A, et al. **Ann Otolaryngol Chir Cervicofac** 1986; 103(4):279–82 (Eng. Abstr.) (Fre)

[Do lympho-choledochal and lympho-esophago-tracheo-bronchial fistulas exist?] Picard JD. **Bull Mem Acad R Med Belg** 1986;141(5–6):360–9 (Eng. Abstr.) (Fre)

[Problems in the differential diagnosis of cervicofacial adenopathies] Grulliero A, et al. **Minerva Stomatol** 1986 Jul–Aug;35(7–8):695–706 (Eng. Abstr.) (Ita)

[Diagnosis of hilar and mediastinal lymphadenopathy by MRI] Tomimatsu H, et al. **Rinsho Hoshasen** 1986 Dec; 31(13):1549–52 (Eng. Abstr.) (Jpn)

[Differential diagnosis in lymphadenopathies] Zhuravlev VS. **Gematol Transfuziol** 1986 Nov;31(11):37–43 (11 ref.) (Rus)

[Diagnosis of reactive lymphadenopathies and the stage of lymphosarcoma leukemization using the simplest methods of immunologic phenotyping] Samoilova RS, et al. **Ter Arkh** 1986;58(9):72–7 (Eng. Abstr.) (Rus)

[Clinical variants of disorders in mesenteric lymph outflow] Lokhvitskii SV, et al. **Vesta Khir** 1986 Jul;137(7):56–9 (Eng. Abstr.) (Rus)

[Serologic diagnosis of lymphatic forms of toxoplasmosis] Suárez Hernández M, et al. **Rev Cubana Med Trop** 1986 May–Aug;38(2):209–15 (Eng. Abstr.) (Spa)

ETIOLOGY

The spirochetal etiology of lymphadenosis benigna cutis solitaria. Hovmark A, et al. **Acta Derm Venereol (Stockh)** 1986;66(6):479–84

Lymphadenopathy in rheumatic patients. Kelly CA, et al. **Ann Rheum Dis** 1987 Mar;46(3):224–7

Coccidioidomycosis and neck mass 'single lesion' disseminated disease. Dudley JE. **Arch Otolaryngol Head Neck Surg** 1987 May;113(5):553–5

The significance of hyperplastic lymphadenopathy. Kelly CA, et al. **Br J Hosp Med** 1987 Feb;37(2):159–60

Lymphatic drainage from the groin following surgery of the femoral artery. Skudder PA Jr, et al. **J Cardiovasc Surg (Torino)** 1987 Jul–Aug;28(4):460–3

Upper abdominal lymphocele following urgent aortorenal bypass grafting. Pardy BJ, et al. **J R Soc Med** 1986 Nov; 79(11):674–6

More causes of neck mass [letter] Geyerhahn G. **Postgrad Med** 1987 Sep 1;82(3):33

Cat scratch disease. A therapeutic dilemma. Margileth AM. **Vet Clin North Am [Small Anim Pract]** 1987 Jan; 17(1):91–103 (18 ref.)

[Toxoplasmosis and mediastinal adenopathies. A reality? (letter)] Laurent-Puig P, et al. **Presse Med** 1987 May 9; 16(17):828 (Fre)

[Lymphatic complications in the therapy of clinical cervix carcinoma. Cases of the decade from 1971 to 1980 (1157 patients)] Bortolozzi G, et al. **Ann Ostet Ginecol Med Perinat** 1986 Sep–Oct; 107(5):296–304 (Eng. Abstr.) (Ita)

[Changes in the skin and underlying tissues in radiation lymphostasis of the extremities] Khalmosh L, et al. **Med Radiol (Mosk)** 1987 Apr;32(4):17–21 (Rus)

[Toxoplasmosis in hematology] Morgenfeld MC. **Sangre (Barc)** 1986;31(4):476–82 (Spa)

FAMILIAL & GENETIC

Recurrent infections and lymphadenopathy in the child of a hemophiliac: a survey of children of hemophiliacs positive for human immunodeficiency virus antibody. Ragni MV, et al. **Ann Intern Med** 1986 Dec;105(6):886–7

Cytogenetic and molecular genetic studies of a patient with atypical lymphoid hyperplasia. Chenevix-Trench G, et al. **Cancer Genet Cytogenet** 1987 Aug;27(2):251–9

HISTORY

[The history of the German Society of Lymphology from its foundation to the present] Gregl A. **Z Lymphol** 1987 Jul;11(1):28–32 (Ger)

IMMUNOLOGY

IgG antibodies to HTLV-III associated antigens in patients with AIDS and at risk for AIDS in The Netherlands. Goudsmit J, et al. **AIDS Res** 1983–84;1(4):231–6

T-cell growth factor receptor (Tac-antigen) expression in cutaneous lymphoid infiltrates. Ralfkiaer E, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):628–37

Lymphoproliferative responses to human immunodeficiency virus antigen in asymptomatic intravenous drug abusers and in patients with lymphadenopathy or AIDS. Reddy MM, et al. **J Infect Dis** 1987 Aug;156(2):374–6

[Conditions preceding AIDS—asymptomatic carriers, persistent generalized lymphadenopathy and AIDS-related complex] Ueda Y. **Nippon Rinsho** 1986 Oct;44(10):2161–3 (Jpn)

[Immunocytologic study of the lymph nodes in lymphadenopathies in children] Al'-Zubaidi RA. **Pediatriia** 1987;(2):37–41 (Eng. Abstr.) (Rus)

METABOLISM

Production of colony-stimulating factor by sarcoid granulomas in vitro. Okabe T, et al. **Jpn J Med** 1987 Feb; 26(1):36–40

The distribution of S100 and lysozyme immunoreactive cells in the various phases of granuloma development in sarcoidosis. Veress B, et al. **Sarcoidosis** 1987 Mar;4(1):33–7

Immunocytochemical study of human lymphoid tissues with monoclonal antibodies against S-100 protein subunits. Tanaka Y. **Virchows Arch [A]** 1986;410(2):125–32

[Extrarenal synthesis of calcitriol in sarcoidosis] Clavel S, et al. **Presse Med** 1987 Jan 31;16(3):107–10 (Eng. Abstr.) (Fre)

MICROBIOLOGY

Establishment of retrovirus-, Epstein–Barr virus-positive B-lymphoblastoid cell lines derived from individuals at risk for acquired immune deficiency syndrome (AIDS). Casareale D, et al. **AIDS Res** 1983–84;1(4):253–70

Detection of the lymphadenopathy-associated virus p18 in cells of patients with lymphoid diseases using a monoclonal antibody. Chassagne J, et al. **Ann Inst Pasteur Immunol** 1986 Nov–Dec;137D(3):403–8

PARASITOLOGY

[Pentastomiasis in Costa Rica caused by Linguatula serrata and its differential diagnosis from L. recurvata] Arroyo R, et al. **Rev Latinoam Microbiol** 1986 Apr–Jun; 28(2):157–66 (Eng. Abstr.) (Spa)

PATHOLOGY

Dermatopathic lymphadenopathy. Electronmicroscopic, enzyme-histochemical and immunohistochemical study. Asano S, et al. **Acta Pathol Jpn** 1987 Jun;37(6):887–900

Systemic amyloidosis with a mesenteric mass which had the appearance of proteinaceous lymphadenopathy. Oyaizu N, et al. **Acta Pathol Jpn** 1987 Jan;37(1):133–9

Light microscopic, S-100 immunostaining, and ultrastructural analysis of dermatopathic lymphadenopathy, with and without associated mycosis fungoides. Herrera GA. **Am J Clin Pathol** 1987 Feb;87(2):187–95

Sinus histiocytosis with massive lymphadenopathy. A nodal and extranodal proliferation of S-100 protein positive histiocytes? Miettinen M, et al. **Am J Clin Pathol** 1987 Sep; 88(3):270–7

Vascular neoplasms. Rosai J. **Am J Surg Pathol** 1986;10 Suppl 1:26–31 (38 ref.)

Sinus histiocytosis massive lymphadenopathy syndrome: histogenesis of the hepatic lesion. Brown RE, et al. **Ann Clin Lab Sci** 1987 May–Jun;17(3):162–70

Pathologic quiz case 1. Sinus histiocytosis with massive lymphadenopathy. Burgess LP.
Arch Otolaryngol Head Neck Surg 1986 Dec;112(12):1296–8
Pathologic quiz case 2. Sinus histiocytosis with massive lymphadenopathy (SHML). Goldberg SH, et al.
Arch Otolaryngol Head Neck Surg 1987 Oct;113(10):1120–2
Multinucleated cells in the lymph nodes of HTLV–III seropositive intravenous drug abusers with generalized lymphadenopathy [letter] Carbone A, et al.
Arch Pathol Lab Med 1986 Oct;110(10):871–2
Early experience with fine–needle aspiration cytology in a district general hospital. Sheridan WG, et al.
Br J Hosp Med 1987 Feb;37(2):156–8
Salivary dermal analogue tumors arising in lymph nodes. Luna MA, et al. **Cancer** 1987 Mar 15;59(6):1165–9
The lymphadenopathy of human immunodeficiency virus infection. Lauder I, et al. **Histopathology** 1986 Nov; 10(11):1203–7
Unusual cystic epithelial choristoma in a celiac lymph node. Carr RF, et al. **Hum Pathol** 1987 Aug;18(8):866–9
Centrorrhexis: a "new" reaction pattern of lymph nodes [letter] Alavaikko M, et al. **J Clin Pathol** 1986 Sep; 39(9):1042–3
Ultrastructural characteristics of the interdigitating dendritic cell in dermatopathic lymphadenopathy of mycosis fungoides patients. Poblete MT, et al. **J Pathol** 1987 Apr; 151(4):263–9
Lymphadenopathy in patients at risk for AIDS: immunopathologic study in comparison to controls. Strauchen JA, et al. **Mt Sinai J Med (NY)** 1986 Dec; 53(8):668–72
Ocular adnexal monoclonal lymphoid tumors with a favorable prognosis. Jakobiec FA, et al. **Ophthalmology** 1986 Dec;93(12):1547–57
Immunohistological analysis of Rosai–Dorfman histiocytosis. A disease of S–100 + CD1–histiocytes. Bonetti F, et al. **Virchows Arch [A]** 1987;411(2):129–35
The clinico–pathological expressions of Epstein–Barr virus infection in lymphoid tissues. Frizzera G.
Virchows Arch [B] 1987;53(1):1–12
[Case of sarcoidosis with predominant involvement of the liver and lymph nodes] Brailski Kh, et al. **Vutr Boles** 1986; 25(4):83–91 (Eng. Abstr.) **(Bul)**
[Primary malignant schwannoma of a lymph node. Case description] Cattani MG, et al. **Pathologica** 1986 Jul–Aug; 78(1056):525–31 (Eng. Abstr.) **(Ita)**
[A case of abdominal sarcoidosis] Periti M, et al.
Recenti Prog Med 1986 Nov;77(11):520–2 (Eng. Abstr.) **(Ita)**
[Spontaneous regression of lymphadenopathy 89 months after the onset of disease in a patient with sinus histiocytosis with massive lymphadenopathy] Takagi S, et al.
Rinsho Ketsueki 1987 Apr;28(4):559–63 (Eng. Abstr.) **(Jpn)**
[The Crow–Fukase syndrome associated with extramedullary plasmacytoma—an autopsy case] Ohkoshi N, et al.
Rinsho Shinkeigaku 1987 Feb;27(2):185–93 (Eng. Abstr.) **(Jpn)**
[Morphologic characteristics of postcapillary venules in reactive lymphadenopathies] Savić L, et al. **Med Pregl** 1986;39(9–10):449–52 (Eng. Abstr.) **(Scr)**

RADIOGRAPHY

Paracardiac adenopathy: CT evaluation. Sussman SK, et al. **AJR** 1987 Jul;149(1):29–34
Cystic dilatation of the thoracic duct presenting as a supraclavicular mass. Kolbenstvedt A, et al.
Br J Radiol 1986 Dec;59(708):1228–9
Lymphatic disruption following abdominal aortic surgery. Jensen SR, et al. **Cardiovasc Intervent Radiol** 1986; 9(4):199–201
Peripheral veno–lymphatic communications. Vas WG, et al. **Diagn Imag Clin Med** 1986;55(6):343–7
A method of CT–examination of the lymphatic nodes in the maxillofacial and cervical regions. Sarachev E, et al.
Folia Med (Plovdiv) 1986;28(2):48–53
Diarrhea, weight loss, and lymphadenopathy in a 50–year–old man. Smith HJ, et al. **Invest Radiol** 1986 Oct; 21(10):808–11
Accuracy of the plain radiograph in the detection of aortopulmonary lymphadenopathy. Müller NL, et al.
J Can Assoc Radiol 1987 Jun;38(2):82–6
Subcutaneous lymphocele following trauma to the thoracic duct. Saibil EA, et al. **J Can Assoc Radiol** 1986 Sep; 37(3):213–5
Parapelvic lymph cyst in a renal allograft mimicking hydronephrosis: CT diagnosis. Ehrman KO, et al.
J Comput Assist Tomogr 1987 Jul–Aug;11(4):714–6
Thymus in the superior mediastinum simulating adenopathy: appearance on CT. Cory DA, et al. **Radiology** 1987 Feb; 162(2):457–9
Abdominal lymphadenopathy in benign diseases: CT detection. Deutch SJ, et al. **Radiology** 1987 May; 163(2):335–8
[Computed tomography in the diagnosis of intrathoracic lymphadenopathies] Sokolov VN, et al.
Klin Med (Mosk) 1986 Aug;64(8):64–71 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

[Indirect radionuclide lymphography in the evaluation of the completeness of iliac lymphadenectomy and the diagnosis of postoperative lymphatic cysts in uterine cancer] Kanaev SV, et al. **Med Radiol (Mosk)** 1987 May;32(5):31–4 (Eng. Abstr.) **(Rus)**

REHABILITATION

Legging orthosis for venous and lymphatic insufficiency. Vernick SH, et al. **Arch Phys Med Rehabil** 1987 Jul; 68(7):459–61

SURGERY

Percutaneous management of lymphatic fluid collections. Jensen SR, et al. **Cardiovasc Intervent Radiol** 1986; 9(4):202–4
[Surgical treatment of nonparasitic chyluria] Rasputniak SG, et al. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):62–3 **(Rus)**

THERAPY

Management of chronic manifestations of filariasis. Dandapat MC, et al. **J Indian Med Assoc** 1986 Jul;84(7):210–5
[My indications for physiotherapy in phlebology] Leprètre M. **Phlebologie** 1987 Apr–Jun;40(2):393–8 **(Fre)**
[Use of hemosorption in forms of sarcoidosis highly resistant to drug treatment] Solodkovskiĭ ML. **Vrach Delo** 1986 Oct; (10):40–2 (Eng. Abstr.) **(Rus)**

VETERINARY

Immune mediated–diseases of the dog and cat. II. Immune–mediated diseases of the haemolymphatic and musculoskeletal system. Gorman NT, et al. **Br Vet J** 1986 Sep–Oct;142(5):403–10
Generalized lymphadenopathy resembling lymphoma in cats: six cases (1972–1976). Mooney SC, et al.
J Am Vet Med Assoc 1987 Apr 1;190(7):897–900
Spontaneous lymphoid neoplasia in the koala (Phascolarctos cinereus). Canfield PJ, et al. **J Comp Pathol** 1987 Mar; 97(2):171–8
Plexiform vascularization of lymph nodes: an unusual but distinctive lymphadenopathy in cats. Lucke VM, et al.
J Comp Pathol 1987 Mar;97(2):109–19
Argyrophilic, intracellular bacteria in the lymph node of a cat: cat–scratch disease bacilli? Kirkpatrick CE, et al.
J Infect Dis 1987 Oct;156(4):690–1
Pathological features in thymus and thyroids of lambs fed on turnips. Barberan M, et al. **Vet Rec** 1987 Apr 11; 120(15):367–8

LYMPHATIC METASTASIS

Fulminant metastasizing chondroid syringoma of the skin. Shvili D, et al. **Am J Dermatopathol** 1986 Aug;8(4):321–5
Metastatic prostatic carcinoma to supradiaphragmatic lymph nodes. A clinicopathologic and immunohistochemical study. Cho KR, et al. **Am J Surg Pathol** 1987 Jun; 11(6):457–63
Micrometastases to axillary lymph nodes from carcinoma of breast: detection by immunohistochemistry and prognostic significance. Trojani M, et al. **Br J Cancer** 1987 Mar; 55(3):303–6
Tumour cell trapping in rat mesenteric lymph nodes. Cobb RA, et al. **Br J Exp Pathol** 1987 Jun;68(3):461–74
Metastatic inguinal nodes from an unknown primary neoplasm. A review of 56 cases. Guarischi A, et al.
Cancer 1987 Feb 1;59(3):572–7
Comparison of phenotypic and genotypic features in human primary large bowel carcinomas and lymph node metastases. Arends JW, et al. **Cancer Res** 1987 Aug 15; 47(16):4342–4
The influence of pelvic lymph node disease on survival for stage I and II carcinoma of the cervix. Alcock CJ, et al. **Clin Radiol** 1987 Jan;38(1):13–6
De novo calcification in lymph node metastasis. Wiersma ES. **Diagn Imag Clin Med** 1986;55(4–5):282–4
Lymph nodal metastases and the clinical stage of cervix carcinoma. Lanza A, et al. **Eur J Gynaecol Oncol** 1987; 8(1):61–7
Primary tumor receptorial status and axillary metastases: their prognostic significance. Volterrani P, et al.
Eur J Gynaecol Oncol 1987;8(2):115–22
Metastasis of malignant plantar ulcer in lymph nodes in femoral triangle—a case report. Bobhate SK, et al.
Indian J Lepr 1986 Oct–Dec;58(4):630–1
Spontaneous regional lymph node metastases of three variants of the B16 melanoma: relationship to primary tumor size and pulmonary metastases. Nathanson SD, et al.
J Surg Oncol 1986 Sep;33(1):41–5
Calcified lymph node metastases in bronchioloalveolar carcinoma. Mallens WM, et al. **Radiology** 1986 Oct; 161(1):103–4
Pulmonary lymphangitic spread of carcinoma: appearance on CT scans. Stein MG, et al. **Radiology** 1987 Feb; 162(2):371–5
Analysis of recurrences in the primary tumor site in relation to the histologic involvement of the regional lymph nodes in patients with carcinoma of the head and neck. Basso Ricci S. **Rays** 1985 Jan–Apr;10(1):113–6
Preoperative radiotherapy and intra–abdominal metastasis of the lymph node in the surgical treatment of carcinoma of the thoracic esophagus. Maeta M, et al.
Surg Gynecol Obstet 1987 Sep;165(3):235–8
Pelvic lymph node metastases in uterine cervical cancer. Chou PH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Dec; 85(12):1162–8
[Establishment and biologic properties of a mouse uterine cervix cancer cell line (MUCC) with lymphatic and hematogenous metastatic capacities] Qian SS, et al.
Chung Hua Chung Liu Tsa Chih 1986 Sep;8(5):324–7 (Eng. Abstr.) **(Chi)**
[Stewart–Treves pseudo–syndrome caused by cutaneo–lymphatic metastases of contralateral breast carcinoma] Sigal M, et al. **Ann Dermatol Venereol** 1987; 114(5):677–83 (Eng. Abstr.) **(Fre)**
[Local regional metastases of breast carcinoma after mastectomy] Karabašević M, et al. **Vojnosanit Pregl** 1986 Nov–Dec;43(6):447–50 **(Scr)**

DIAGNOSIS

Comparison of cytokeratin expression in primary and metastatic carcinomas. Diagnostic application in surgical pathology. Shah KD, et al. **Am J Clin Pathol** 1987 Jun; 87(6):708–15
The immunohistochemical detection of lymph node metastases from infiltrating lobular carcinoma of the breast. Bussolati G, et al. **Br J Cancer** 1986 Oct;54(4):631–6
The influence of pretreatment celiotomy and para–aortic lymphadenectomy on the management of advanced stage squamous cell carcinoma of the cervix. Christopherson WA, et al. **Eur J Gynaecol Oncol** 1987;8(2):90–8
Ultrasonographic study of the relation of metastatic nodes to the carotid artery. Yonetsu K, et al.
Head Neck Surg 1987 May–Jun;9(5):279–83
Frozen section detection of lymph node metastases in prostatic carcinoma: accuracy in grossly uninvolved pelvic lymphadenectomy specimens. Epstein JI, et al. **J Urol** 1986 Dec;136(6):1234–7
Ex vivo comparison of radiological and histological evaluation of early metastatic lesions of pelvic lymph nodes from carcinoma of the bladder or prostate. Komatsu H, et al. **J Urol** 1987 Aug;138(2):341–3
A comparative evaluation of lymphoscintigraphy versus lymphangiography and computerized tomography scanning in diagnosis of lymph node metastases in advanced bladder cancer. Nissenkorn I, et al. **J Urol** 1986 Oct; 136(4):825–7
Regression rate of metastatic neck lymph nodes after radiation treatment as a prognostic factor for local control. Maciejewski B. **Radiother Oncol** 1987 Apr;8(4):301–8
Relationships of toxoplasmosis with malignant neoplasias. Popa G, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jul–Sep;90(3):425–7
Endoscopic ultrasonography of lymph nodes surrounding the upper GI tract. Aibe T, et al.
Scand J Gastroenterol [Suppl] 1986;123:164–9
Endoscopic ultrasonography in analysing peri–intestinal lymph node abnormality. Preliminary results of studies in vitro and in vivo. Tio TL, et al.
Scand J Gastroenterol [Suppl] 1986;123:158–63
The value of lymphoscintigraphy, lymphangiography and computer tomography scanning in the preoperative assessment of lymph nodes involved by pelvic malignant conditions. Feigen M, et al. **Surg Gynecol Obstet** 1987 Aug; 165(2):107–10
[Transcarinal mediastinal needle biopsy. A supplement to conventional bronchoscopy] Struve–Christensen E, et al. **Ugeskr Laeger** 1987 Apr 13;149(16):1061–3 (Eng. Abstr.) **(Dan)**
[Value of ultrasonic diagnosis in the study of metastatic cervical adenopathies. Clinical and anatomo–pathological correlation apropos of 266 lymph node excisions] Demard F, et al. **Ann Otolaryngol Chir Cervicofac** 1987;104(3):181–5 (Eng. Abstr.) **(Fre)**
[Prognostic relevance of tissue marker staining in stomach carcinomas and their lymph node metastases] Wittekind C, et al. **Verh Dtsch Ges Pathol** 1986;70:221–4 (Eng. Abstr.) **(Ger)**
[Ultrastructural studies of metastases of anaplastic tumors and non–Hodgkin's lymphoma as a contribution to differential diagnosis] Krahnert U, et al. **Zentralbl Allg Pathol** 1986; 131(6):523–7 (Eng. Abstr.) **(Ger)**
[Ultrasonics in the study of latero–cervical metastasis of head and neck tumors] Margarino G, et al. **Minerva Chir** 1987 Feb 28;42(4):339–41 (Eng. Abstr.) **(Ita)**
[Study of adenopathies: what is the current role of magnetic resonance?] Balzarini L, et al. **Radiol Med (Torino)** 1986 Sep;72(9):615–9 (Eng. Abstr.) **(Ita)**
[Echographic identification of symptomatic gastric carcinoma and its lymph node metastases] Ferrari F, et al. **Radiol Med (Torino)** 1987 May;73(5):417–20 (Eng. Abstr.) **(Ita)**
[Studies on para–aortic metastatic lymph nodes in gastric cancer after endoscopic injection of activated carbon particles] Takahashi S, et al.
Nippon Geka Gakkai Zasshi 1987 Jan;88(1):35–40 (Eng. Abstr.) **(Jpn)**
[Pre–operative staging in advanced gastric cancer by ultrasound; with special reference to para–aortic lymph node metastases] Yoshinaka H, et al.
Nippon Geka Gakkai Zasshi 1987 Jan;88(1):41–8 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Anticancer agents adsorbed by activated carbon particles,

a new form of dosage enhancing efficacy on lymphnodal metastases. Hagiwara A, et al. **Anticancer Res** 1986 Sep-Oct;6(5):1005-8

Anticancer effects of arterial administration of the anticancer agent SMANCS with lipiodol on metastatic lymph nodes. Ohtsuka N, et al. **Cancer** 1987 May 1;59(9):1560-5

Transnodal cancer chemotherapy for metastatic lymph nodes in rats. Matsuzaki K, et al. **Cancer Treat Rep** 1987 Mar; 71(3):235-9

[Recombinant leukocyte A interferon in metastasized malignant melanoma] Elsässer-Beile U, et al. **Dtsch Med Wochenschr** 1987 Mar 6;112(10):373-7 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Specific lymphokine responses in cervical nodes of patients with laryngeal cancer. Cortesina G, et al. **Laryngoscope** 1987 Jul;97(7 Pt 1):843-7

METABOLISM

Flow cytometric analysis of primary lung carcinomas and their lymph node metastases. Volm M, et al. **Anticancer Res** 1987 Jan-Feb;7(1):71-6

OCCURRENCE

Regional lymph node metastases in well-differentiated thyroid carcinoma. Noguchi M, et al. **Int Surg** 1987 Apr-Jun;72(2):100-3

[Incidence of metastatic lesion of different groups of the intrathoracic lymph nodes in lung cancer (based on research data on surgical preparations)] Vagner RI, et al. **Vopr Onkol** 1987;33(2):27-33 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Pelvic lymph node metastases in prostatic carcinoma. The value of touch imprint cytology. Gentry JF. **Am J Surg Pathol** 1986 Oct;10(10):718-27

Use of Ulex europaeus agglutinin I in the identification of lymphatic and blood vessel invasion in previously stained microscopic slides. Ordóñez NG, et al. **Am J Surg Pathol** 1987 Jul;11(7):543-50

Distribution of axillary node metastases by level of invasion. An analysis of 539 cases. Veronesi U, et al. **Cancer** 1987 Feb 15;59(4):682-7

Survival of ovarian carcinoma with or without lymph node metastasis. Chen SS. **Gynecol Oncol** 1987 Jul;27(3):368-72

Radical neck dissections for squamous carcinomas: pathological findings and their clinical implications with particular reference to transcapsular spread. Carter RL, et al. **Int J Radiat Oncol Biol Phys** 1987 Jun;13(6):825-32

Regional lymph node and pulmonary metastases after local hyperthermia of melanomas in C57BL/6 mice. Nathanson SD, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb; 13(2):243-9

Localization of solitary and multiple metastases in stage II nonseminomatous testis tumor as basis for a modified staging lymph node dissection in stage I. Weissbach L, et al. **J Urol** 1987 Jul;138(1):77-82

Positive Delphian lymph node: clinical significance in laryngeal cancer. Olsen KD, et al. **Laryngoscope** 1987 Sep; 97(9):1033-7

Regional lymph node metastasis in carcinoma of the hamster tongue. Shingaki S, et al. **Oral Surg Oral Med Oral Pathol** 1987 Aug;64(2):190-6

Osteosarcoma with calcific mediastinal lymphadenopathy. van Zanten TE, et al. **Pediatr Radiol** 1987;17(3):258-9

[Lymph node histopathologic aspects in cutaneous lymphomas of the mycosis fungoides or Sézary syndrome type. Retrospective study of 98 biopsies] Wechsler J, et al. **Ann Pathol** 1987;7(2):122-9 (Eng. Abstr.) **(Fre)**

[Differential diagnosis of submandibular lymph node metastases using imaging procedures] Dumbach J. **Fortschr Kiefer Gesichtschir** 1987;32:91-2 **(Ger)**

[Histologically controlled comparison of palpation and sonography in the diagnosis of cervical lymph node metastases] Eichhorn T, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 May;66(5):266-74 (Eng. Abstr.) **(Ger)**

[A case of malignant melanoma, axillary lymph node metastasis proved by fine needle aspiration biopsy cytology] Shinozaki N, et al. **Gan No Rinsho** 1987 Apr; 33(4):438-41 (Eng. Abstr.) **(Jpn)**

[Macroscopic analysis of mediastinal lymph node metastasis in lung cancer] Mitani N, et al. **Kyobu Geka** 1986 Nov; 39(11):869-73 (Eng. Abstr.) **(Jpn)**

[Different metastatic modes of B16 malignant melanoma in C57BL/6 young and old mice and its modification by dithiothreitol] Hirayama R, et al. **Nippon Gan Chiryo Gakkai Shi** 1987 Feb 20;22(1):17-24 (Eng. Abstr.) **(Jpn)**

[Pre- and para-tracheal lymph node metastasis of head and neck cancer] Kasai N, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Jul 20;21(6):1244-8 (Eng. Abstr.) **(Jpn)**

[Preoperative estimation of lymph node metastases in esophageal cancer--correlation between numbers of desmosomes and the lymph node metastases] Koyama T, et al. **Nippon Geka Gakkai Zasshi** 1987 Apr;88(4):500 **(Jpn)**

[Comparative study on the macroscopic and histopathological diagnosis of lymph node metastases in cancer patients] Natsugoe S, et al. **Nippon Geka Gakkai Zasshi** 1987 Mar;88(3):258-65 (Eng. Abstr.) **(Jpn)**

[Differential metastatic mode of gastric cancer by age and histological type] Sakamoto M. **Nippon Geka Gakkai Zasshi** 1987 Apr;88(4):440-6 (Eng. Abstr.) **(Jpn)**

[The relationship of the histological grade of prostatic carcinoma and extent of the local tumor to pelvic node involvement] Uchida K, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Jan;78(1):18-23 (Eng. Abstr.) **(Jpn)**

[Relation between lymphogenous metastasis of cancer of the rectum and the structure and function of the lymphatic bed] Anichkov NM, et al. **Arkh Patol** 1986;48(11):62-7 (Eng. Abstr.) **(Rus)**

[Metastasis of stomach cancer to the extraligamentous regional lymph nodes] Sigal MZ, et al. **Vopr Onkol** 1987; 33(2):11-7 (32 ref.) **(Rus)**

PHYSIOPATHOLOGY

Apparently nonfunctioning metastases of parathyroid carcinoma. Manente P, et al. **Tumori** 1987 Apr 30; 73(2):191-3

PREVENTION & CONTROL

Role of the regional lymph node in cancer metastasis. Tachibana T, et al. **Cancer Metastasis Rev** 1986;5(2):55-66 (65 ref.)

Elective neck irradiation in the treatment of cancer of the oral tongue. Leborgne F, et al. **Int J Radiat Oncol Biol Phys** 1987 Aug;13(8):1149-53

Para-aortic nodal irradiation in the treatment of carcinoma of the uterine cervix: a report of 22 cases. Akine Y, et al. **Jpn J Clin Oncol** 1986 Dec;16(4):383-90

RADIOGRAPHY

Imaging techniques: metastases and tumor extension in the abdomen. Kagan AR, et al. **AJR** 1987 Jun;148(6):1123-8 (35 ref.)

CT evaluation of mediastinal lymph nodes in lung cancer: influence of the lobar site of the primary neoplasm. Platt JF, et al. **AJR** 1987 Oct;149(4):683-6

Mediastinal lymph node metastases from gastrointestinal carcinoma. Libson E, et al. **Cancer** 1987 Apr 15; 59(8):1490-3

Computed tomography of testicular tumours: distribution of abdominal lymphadenopathy. Dixon AK, et al. **Clin Radiol** 1986 Nov;37(6):519-23

An analysis of lymphographic signs for differentiating cancerous, lymphomatous, and normal lymph nodes. Tatsuzaki H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Apr 25; 47(4):575-84

Lymphography in pelvic oncology: some recent developments. Barigozzi P, et al. **Rays** 1986 Sep-Dec; 11(3):93-7

[Computerized tomography in the diagnosis of lesions of the retroperitoneal lymph nodes] Kolesnikova EK. **Radiol Diagn (Berl)** 1987;28(1):83-91 (Eng. Abstr.) **(Ger)**

[The place of lymphography and computed tomography in the determination of lymph node status in primary cancer of the cervix] Räber G, et al. **Radiol Diagn (Berl)** 1986; 27(4):449-59 (Eng. Abstr.) **(Ger)**

[Evaluation of the process of lumbo-aortic metastasis in carcinoma of the cervix uteri] Trinci M, et al. **Radiol Med (Torino)** 1987 Mar;73(3):223-7 (Eng. Abstr.) **(Ita)**

[Thoracic CT: diagnosis of lymphatic metastasis of lung neoplasms] Suzuki M, et al. **Rinsho Hoshasen** 1986 Oct; 31(11):1285-99 **(Jpn)**

[Lymphography of malignant tumors of organs of the small pelvis] Tlepshukov GK. **Med Radiol (Mosk)** 1987 Apr; 32(4):59-62 (Eng. Abstr.) **(Rus)**

[Correlation of computer tomography with lymphadenectomy findings in patients with non-seminomatous testicular tumors] Horňák M, et al. **Cesk Radiol** 1987 Mar;41(2):67-73 (Eng. Abstr.) **(Slo)**

RADIONUCLIDE IMAGING

Immunolymphscintigraphy of axillary lymph node metastases in breast cancer patients using monoclonal antibodies: first clinical findings. Mandeville R, et al. **Anticancer Res** 1986 Nov-Dec;6(6):1257-63

Radical isotope surgery: an enrichment for the surgical therapy of gynecological malignancies. Gitsch E, et al. **Eur J Gynaecol Oncol** 1987;8(2):71-5

The detection of internal mammary lymph nodal chain metastases in breast cancer using radiolabelled colloids. Inga G, et al. **Eur J Gynaecol Oncol** 1987;8(2):105-9

Lymphoscintigraphy of human colorectal carcinoma metastases in athymic mice by use of radioiodinated B72.3 monoclonal antibody. Shah SA, et al. **JNCI** 1987 Jun; 78(6):1069-77

Phase 1 immunolymphoscintigraphy with an In-111-labeled antimelanoma monoclonal antibody. Engelstad BL, et al. **Radiology** 1986 Nov;161(2):419-22

[Significance of scintigraphy of the peritumoral lymph nodes in patients with malignant melanoma] Török L, et al. **Orv Hetil** 1987 Aug 2;128(31):1631-5 (Eng. Abstr.) **(Hun)**

RADIOTHERAPY

Postoperative extended-field irradiation in patients with pelvic and/or common iliac node metastases from cervical carcinoma stages IB to IIB. Inoue T, et al. **Gynecol Oncol** 1986 Oct;25(2):234-43

Guidelines for radiotherapeutic techniques for cervical metastases from an unknown primary. Carlson LS, et al. **Int J Radiat Oncol Biol Phys** 1986 Dec;12(12):2101-10

Radiotherapy treatment planning using lymphoscintigraphy. Jones D, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep; 12(9):1707-10

A method of radiation treatment for advanced neck node metastases. Peracchia G, et al. **Int J Radiat Oncol Biol Phys** 1986 Dec;12(12):2197-201

A practical method of delivering the posterior axillary boost for the treatment of patients with breast cancer. Solin LJ, et al. **Int J Radiat Oncol Biol Phys** 1986 Nov;12(11):2041-3

The use of transmission block in the radiation therapy portal treatment of the inguinal nodes in late stage pelvic malignancies. Digel CA, et al. **Radiol Technol** 1987 Jan-Feb;58(3):227-31

Transmission block to simplify combined pelvic and inguinal radiation therapy. Kalnicki S, et al. **Radiology** 1987 Aug; 164(2):578-80

Accelerated irradiation of cervical node metastases. Nguyen TD, et al. **Radiology** 1987 Jun;163(3):815-7

[Radiotherapy of lymphatic metastasis] Kamata R. **Gan No Rinsho** 1987 Mar;Spec No:466-78 **(Jpn)**

[Interstitial irradiation by 192Ir seed assemblies in fixed cervical lymph node metastases] Tsujii H, et al. **Gan No Rinsho** 1987 Apr;33(4):352-60 (Eng. Abstr.) **(Jpn)**

SURGERY

Favourable response to conservative surgery for extra-pancreatic gastrinoma with lymph node metastases. Bornman PC, et al. **Br J Surg** 1987 Mar;74(3):198-201

The biology of cancer metastasis and implications for therapy. Fidler IJ, et al. **Curr Probl Surg** 1987 Mar; 24(3):129-209

Lymph node metastasis in early gastric cancer. Habu H, et al. **Int Surg** 1986 Oct-Dec;71(4):244-7

THERAPY

Lymphatic metastasis and its treatment. Carr I, et al. **Cancer Treat Rev** 1987 Mar;14(1):53-64 (96 ref.)

Management of the axilla in conservatively treated breast cancer: 592 patients treated at Institut Gustave-Roussy. Dewar JA, et al. **Int J Radiat Oncol Biol Phys** 1987 Apr; 13(4):475-81

Sequential treatment with interferon and chemotherapy of metastatic malignant melanoma. Total remission of cutaneous and visceral metastasis, but not of cerebral metastasis. Sulis E, et al. **Tumori** 1987 Feb 28;73(1):55-8

[Management of fixed cervical adenopathy] Trotoux J. **Rev Laryngol Otol Rhinol (Bord)** 1986;107(2):99-101 (Eng. Abstr.) **(Fre)**

[Treatment of lymph node metastasis in ovarian cancer] Tolino A, et al. **Minerva Ginecol** 1987 Jan-Feb;39(1-2):31-6 (Eng. Abstr.) **(Ita)**

LYMPHATIC SYSTEM

Specific cell-adhesion mechanisms determining migration pathways of recirculating lymphocytes. Woodruff JJ, et al. **Annu Rev Immunol** 1987;5:201-22 (85 ref.)

Technique of right lymphatic duct cannulation for pulmonary lymph collection in an acute porcine model. Chuang GJ, et al. **J Surg Res** 1986 Dec;41(6):563-8

ABNORMALITIES

Hydrops fetalis due to abnormal lymphatics. Windebank KP, et al. **Arch Dis Child** 1987 Feb;62(2):198-200

[Regional hypoplasia of dermal lymphatic vessels--a new variant of congenital lymphedema] Partsch H, et al. **Wien Klin Wochenschr** 1986 Oct 24;98(20):704-8 (Eng. Abstr.) **(Ger)**

ANALYSIS

Small blood vessels or lymphatic channels with neoplastic microemboli: a comparative immunohistochemical study. Lapertosa G, et al. **Verh Dtsch Ges Pathol** 1986;70:358-64

ANATOMY & HISTOLOGY

The renal cortical lymphatic system in the rat, hamster, and rabbit. Niiro GK, et al. **Am J Anat** 1986 Sep;177(1):21-34

Gastric lymphatics [letter] Listrom MB, et al. **Am J Surg Pathol** 1987 Feb;11(2):156

Lymph vessels of the heart. A comparative study of various techniques for light and electron microscopy. Poggi P, et al. **Anat Anz** 1986;162(3):195-204

A classic paper revisited--Polya and von Navratil (1902). McGregor AD. **Head Neck Surg** 1987 Jul-Aug;9(6):325-8

Lymphatics of the skin. Neglected but important. Ryan TJ, et al. **Int J Dermatol** 1986 Sep;25(7):411-9 (38 ref.)

Structure and function of the lymphatic system with emphasis on its rôle in hormone transport. LeBrie SJ.

J Reprod Fertil [Suppl] 1970;10:123–38 (52 ref.)

Reexamination of testicular lymphatic drainage in the rat. Kazeem A. **Lymphology** 1986 Dec;19(4):172–4

Lymphatic system of the thyroid gland in the rat. O'Morchoe PJ, et al. **Lymphology** 1987 Mar;20(1):10–9

Arterial venous and lymphatic pathways intrinsic to the palate and fauces (implicated routes for metastatic lesions). Maher WP. **Microcirc Endothelium Lymphatics** 1986; 3(2):129–62

The lymphatic system: an historical perspective. Kanter MA. **Plast Reconstr Surg** 1987 Jan;79(1):131–9

[Lymphatic drainage of the pulmonary segments in the adult: clinical facts and anatomical confirmation] Riquet M, et al. **Bull Assoc Anat (Nancy)** 1986 Jun;70(209):43–7 (Eng. Abstr.) **(Fre)**

[Lymph drainage of the cornea, limbus and conjunctiva] Grüntzig J, et al. **Klin Monatsbl Augenheilkd** 1987 Jun; 190(6):491–5 (Eng. Abstr.) **(Ger)**

[Study on perigastric lymphatics using 111In–oxine–labeled lymphocytes] Hara A, et al. **Nippon Geka Gakkai Zasshi** 1987 Feb;88(2):239 **(Jpn)**

[Study on perigastric lymphatics using BrdU labeled lymphocytes] Hara A, et al. **Nippon Geka Gakkai Zasshi** 1987 Apr;88(4):503 **(Jpn)**

[Microtopographic relation between the lymphatic capillaries and glands of the small intestine] Revazov VS. **Arkh Anat Gistol Embriol** 1987 May;92(5):53–7 (Eng. Abstr.) **(Rus)**

[Perivascular lymphoid follicles as new organs of the immune system] Chernyshenko LV, et al. **Vrach Delo** 1986 Aug; (8):69–72 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Three–dimensional organization of lymphatics and its relationship to blood vessels in rat small intestine. Ohtani O. **Cell Tissue Res** 1987 May;248(2):365–74

Cytoplasmic bodies in lymphatic endothelial cell. Poggi P, et al. **Lymphology** 1986 Sep;19(3):125–9

DRUG EFFECTS

The effect of vasoactive agents on the contractions of the initial lymphatics of the bat's wing. Unthank JL, et al. **Blood Vessels** 1987;24(1–2):31–44

Lymphatics in the aorta of rats treated with a soy–bean oil extract (lipofundin). Takacs E, et al. **Lymphology** 1986 Dec; 19(4):161–7

Characteristic features concerning the action of prostaglandin F2 alpha (PGF2 alpha) on the microvascular territories drained by truncus jugularis. Dandel M, et al. **Physiologie** 1987 Apr–Jun;24(2):97–104

[Effect of ganglionic blockade and subsequent i.v. infusion of catecholamines and angiotensin II on the formation and transport of lymph. Studies in anesthesized dogs and a review of the literature] Schad H, et al. **Z Lymphol** 1986 Dec;10(2):46–54 (Eng. Abstr.) **(Ger)**

[Relation between changes in macro– and microcirculation and lymph flow in the extremities of the cat after histamine infusion] Kul'baev IS, et al. **Fiziol Zh SSSR** 1986 Sep; 72(9):1324–30 (Eng. Abstr.) **(Rus)**

[Participation of cGMP in inhibitory mechanisms of the center of amphibian lymph hearts] Serbeniuk TsV, et al. **Fiziol Zh SSSR** 1987 Apr;73(4):506–11 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

[Ultrastructure of mesenteric lymphatic postcapillaries of the small intestine of the human fetus] Bobrik II, et al. **Arkh Anat Gistol Embriol** 1986 Aug;91(8):23–7 (Eng. Abstr.) **(Rus)**

[Growth of the jugular lymph sacs and establishment of the topography of the cervical portion of the thoracic duct during early human ontogenesis] Krutsiak VN, et al. **Arkh Anat Gistol Embriol** 1986 Dec;91(12):57–65 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Lymphatic system of mice born from mothers treated with ampicillin or cloxacillin during gestation. Skopińska–Różewska E, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(2):203–8

IMMUNOLOGY

Immune response against P815X2 mastocytoma growing in syngeneic DBA/2 mice. III. Morphometric assessment of the dynamic changes in post–capillary venules as regulatory elements of lymphocyte recirculation in tumor–draining lymph nodes. Tosi P, et al. **Arch Geschwulstforsch** 1987; 57(1):7–15

Macrophages and translymphatic absorption represent the first line of host defense of the peritoneal cavity. Dunn DL, et al. **Arch Surg** 1987 Jan;122(1):105–10

Vascular endothelial markers of the human thoracic duct and lacteal. Gnepp DR. **Lymphology** 1987 Mar;20(1):36–43

Factor VIII–associated antigen in human lymphatic endothelium. Nagle RB, et al. **Lymphology** 1987 Mar; 20(1):20–4

INJURIES

A report on the management of a lymphocyst after vascular surgery. Scott AR. **Aust NZ J Surg** 1987 Mar;57(3):205–6

METABOLISM

Lymph protein concentration in initial and collecting lymphatics of the rat. Zawieja DC, et al. **Am J Physiol** 1987 May;252(5 Pt 1):G602–6

Biochemical changes in progressive muscular dystrophy. XII. Cyclic nucleotides in lymphoid and nonlymphoid organs of dystrophic mice. Thakur M, et al. **Biochem Cell Biol** 1986 Dec;64(12):1339–48

Heterogeneity of mouse vascular endothelium. In vitro studies of lymphatic, large blood vessel and microvascular endothelial cells. Gumkowski F, et al. **Blood Vessels** 1987; 24(1–2):11–23

Targeting of murine radiolabeled monoclonal antibodies in the lymphatics. Parker RJ, et al. **Cancer Res** 1987 Apr 15; 47(8):2073–6

The lymphatic route—III. Pharmacokinetics of human natural interferon–beta injected with albumin as a retarder in rabbits. Bocci V, et al. **Gen Pharmacol** 1986;17(4):445–8

Effect of marginal zinc deficiency on the lymphatic absorption of [14C]cholesterol. Koo SI, et al. **J Nutr** 1986 Dec;116(12):2363–71

Role of the lymphatic system in the transport of absorbed 7,12–dimethylbenzanthracene in the rat. Laher JM, et al. **Lipids** 1987 Mar;22(3):152–5

Enhanced prostaglandin I2–formation of human lymphatics during pulsatile perfusion. Sinzinger H, et al. **Lymphology** 1986 Dec;19(4):153–6

PARASITOLOGY

Studies of the effect of contralateral versus ipselateral challenge of rats primed on one side with Strongyloides ratti. Wilson PA. **J Helminthol** 1987 Jun;61(2):173–8

Induction of lymphatic lesions by Brugia pahangi in jirds with large and small preexisting homologous intraperitoneal infections. Klei TR, et al. **J Parasitol** 1987 Apr;73(2):290–4

Development of Brugia pahangi infections and lymphatic lesions in male offspring of female jirds with homologous infections. Klei TR, et al. **Trans R Soc Trop Med Hyg** 1986; 80(2):214–6

PATHOLOGY

The application of immunohistochemical stains to identify endothelial–lined channels in mammary carcinoma. Saigo PE, et al. **Cancer** 1987 Jan 1;59(1):51–4

Lymphatic and blood vessel invasion in breast carcinoma: a useful prognostic indicator? Lee AK, et al. **Hum Pathol** 1986 Oct;17(10):984–7

Prognostic significance of lymph vessel involvement in gastric cancer. Kawasumi H, et al. **J Surg Oncol** 1987 Sep; 36(1):32–5

Lymphoproliferative disorders [editorial] Pontes JE, et al. **J Urol** 1987 May;137(5):958

Evolution of lymph thrombi in experimental Brugia malayi infections: a scanning electron microscopic study. Fader RC, et al. **Lymphology** 1986 Dec;19(4):146–52

Nuclear fragmentation and epithelioid change of germinal centers in the lymphoid tissue of child deaths. Howat AJ, et al. **Pediatr Pathol** 1986;5(2):125–34

[Vascular involvement in gallbladder carcinoma] Yamagiwa H. **Gan No Rinsho** 1986 Oct;32(12):1549–52 (Eng. Abstr.) **(Jpn)**

[An anatomical and pathological study of autopsy material on the metastasis of pancreatic cancer to para–aortic lymph nodes] Nagai H. **Nippon Geka Gakkai Zasshi** 1987 Mar; 88(3):308–17 (Eng. Abstr.) **(Jpn)**

[The extrinsic lymphatic bed of the uterus and the extraembryonic organs in the gestational hypotensive syndrome (experimental–morphofunctional aspect)] Borodin IuI, et al. **Akush Ginekol (Mosk)** 1987 Feb;(2):70–2 **(Rus)**

PHYSIOLOGY

Regional differences in pleural lymphatic albumin concentration in sheep. Albertine KH, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):H64–70

Distension pressure on subserosal and mesenteric lymph pressures of rat jejunum. Lee JS. **Am J Physiol** 1986 Nov; 251(5 Pt 1):G611–4

Mechanism of alpha–adrenergic excitation in bovine lymphatic smooth muscle. McHale NG, et al. **Am J Physiol** 1987 May;252(5 Pt 2):H873–8

Thoracic duct lymph flow during head–out water immersion in conscious dogs. Miki K, et al. **Am J Physiol** 1987 Apr; 252(4 Pt 2):R782–5

Absorption and lymphatic transport of exogenous and endogenous arachidonic and linoleic acid in the rat. Nilsson A, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):G817–24

Lymphatic and vascular responses to fluid infusion in castrated and noncastrated sheep. Valenzuela GJ, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):R1114–8

Effects of repeated injections of human chorionic gonadotrophin on vascular permeability, extracellular fluid volume and the flow of lymph in the testes of rats. Maddocks S, et al. **Int J Androl** 1987 Jun;10(3):535–42

Lymph flow from edematous dog lungs. Drake RE, et al. **J Appl Physiol** 1987 Jun;62(6):2416–20

Overestimation of sheep lung lymph contamination. Drake RE, et al. **J Appl Physiol** 1986 Oct;61(4):1590–2

Lymph flow and lung weight in isolated sheep lungs. Mitzner W, et al. **J Appl Physiol** 1986 Nov;61(5):1830–5

The recovery of terminal lymph flow following occlusion. Miller GE, et al. **J Biomech Eng** 1987 Feb;109(1):48–54

A method for studying lymphatic pumping activity in conscious and anaesthetized sheep. McHale NG, et al. **J Physiol (Lond)** 1986 Sep;378:109–18

Lymphatic drainage in patients after replantation of extremities. Smith AR, et al. **Plast Reconstr Surg** 1987 Feb; 79(2):163–70

[The lens of the eye and its relation to the lymphatic system] Fabian G. **Z Lymphol** 1986 Dec;10(2):39–43 (Eng. Abstr.) **(Ger)**

[Lymphangiomotoricity and tissue pressure] Hutzschenreuter P, et al. **Z Lymphol** 1986 Dec;10(2):55–7 (Eng. Abstr.) **(Ger)**

[Localization and properties of pacemaker cells of the lymphangion] Lobov GI. **Dokl Akad Nauk SSSR** 1987; 294(2):503–6 **(Rus)**

[Peripheral mechanisms of regulating lymph heart activity] Bulekbaeva LE, et al. **Fiziol Zh SSSR** 1986 Dec; 72(12):1659–64 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Early disappearance of lymphatics draining ischemic myocardium in the dog. Szlavy L, et al. **Angiology** 1987 Jan;38(1 Pt 2):73–84

Increased intrinsic pumping of intestinal lymphatics following hemorrhage in anesthetized sheep. Hayashi A, et al. **Circ Res** 1987 Feb;60(2):265–72

Effect of systemic venous pressure elevation on lymph flow and lung edema formation. Laine GA, et al. **J Appl Physiol** 1986 Nov;61(5):1634–8

"There is still so much to be done" [editorial]Witte CL. **Lymphology** 1986 Sep;19(3):94–5

[Classical Kaposi's sarcoma. Study of the lymphatic system of lower limbs] Fei L, et al. **Presse Med** 1987 Jun 20; 16(24):1188–90 (Eng. Abstr.) **(Fre)**

[Possibilities of correcting the structural and functional changes in the cardiac lymphatic bed in the postresuscitation period using complex infusion therapy] Efkhgorn AV, et al. **Anesteziol Reanimatol** 1986 Sep–Oct; (5):18–21 (Eng. Abstr.) **(Rus)**

[Functional tests in determining indicators for the creation of lymphovenous anastomoses in patients with lymphedema of the extremities] Savchenko TV. **Klin Khir** 1986;(7):23–5 (Eng. Abstr.) **(Rus)**

[Lymph circulation of the anterior segment of the eye in primary glaucoma] Shmyreva VF. **Vestn Oftalmol** 1986 Jul–Aug;102(4):8–12 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Marrow ablative doses of gamma–irradiation and protracted changes in peripheral lymph node microvasculature of murine and human bone marrow transplant recipients. Samlowski WE, et al. **Lab Invest** 1987 Jan;56(1):85–95

Total lymphoid versus total body irradiation for immunosuppressive therapy [letter] Rosenberg NL. **Neurology** 1987 May;37(5):889–91

Wide field low–dose total lymphoid irradiation in clinical kidney transplantation. Myburgh JA, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1974–7

Lysosomal enzyme replacement in neural tissue by allogeneic bone marrow transplantation following total lymphoid irradiation in canine fucosidosis. Taylor RM, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2730–4

Prolongation of segmental and pancreaticoduodenal allografts in the primate with total–lymphoid irradiation and cyclosporine. Du Toit DF, et al. **Transplantation** 1987 Sep;44(3):346–50

Xenograft survival in two species combinations using total–lymphoid irradiation and cyclosporine. Knechtle SJ, et al. **Transplantation** 1987 Feb;43(2):173–5

[Dosimetric basis for joining large fields of complex configuration during total irradiation of the lymphatic collecting vessels] Filatova AM, et al. **Med Radiol (Mosk)** 1987 May;32(5):24–7 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Lymphographic changes in young dogs after transplantation with adult worms of Dirofilaria immitis into the abdominal cavity. Tani S, et al. **Jpn J Exp Med** 1987 Feb;57(1):71–7

RADIONUCLIDE IMAGING

Dynamic lymph flow imaging in lymphedema. Normal and abnormal patterns. Nawaz K, et al. **Clin Nucl Med** 1986 Sep;11(9):653–8

Indirect cervical lymphoscintigraphy in healthy subjects via submucosal cheek injections. Zwas ST, et al. **Int J Rad Appl Instrum [B]** 1986;13(6):633–7

Lymphoscintigraphy. Samuels LD. **Lymphology** 1987 Mar; 20(1):4–9

[Preclinical study of the use of 99mTC–dextrans of different molecular weights in lymphography] Lamka J, et al. **Cas Lek Cesk** 1986 Sep 12;125(37):1161–3 (Eng. Abstr.) **(Cze)**

[Lymphoscintigraphic studies of regional lymph vessels in patients with head and neck tumors] Hildmann H, et al. **HNO** 1987 Jan;35(1):31–3 (Eng. Abstr.) **(Ger)**

SECRETION

Functional renal failure and liver disease. Importance of lymph imbalance in pathogenesis and treatment. Witte CL, et al. **J Clin Gastroenterol** 1986 Aug;8(4):401–3

SURGERY

Recent advances in microlymphatic surgery in China. Zhu JK, et al. **Clin Orthop** 1987 Feb;(215):32–9

[Surgery of the lymph drainage passages in oro- and hypopharyngeal cancer] Herberhold C. **Sonderb Strahlenther Onkol** 1987;81:60–2 (Ger)

[Lymph vessel regeneration following replantation and free microvascular flap–plasty] Piza–Katzer H, et al. **Vasa** 1987; 16(1):60–6 (Eng. Abstr.) (Ger)

[Functional evaluation of lymphonodulovenous anastomoses] Kirpatovskii ID, et al. **Klin Khir** 1986;(7):33–6 (Eng. Abstr.) (Rus)

[Transport function of lymphovenous anastomosis] Kirpatovskii ID, et al. **Vestn Khir** 1986 Sep;137(9):64–7 (Eng. Abstr.) (Rus)

TRANSPLANTATION

A microsurgical method for reconstruction of interrupted lymphatic pathways: autologous lymph–vessel transplantation for treatment of lymphedemas. Baumeister RG, et al. **Scand J Plast Reconstr Surg** 1986;20(1):141–6

ULTRASTRUCTURE

Internal structure of the postcapillary high–endothelial venules of rodent lymph nodes and Peyer's patches and the transendothelial lymphocyte passage. Cho Y, et al. **Am J Anat** 1986 Dec;177(4):481–90

New techniques of demonstrating lymph vessels in skin biopsy specimens and intact skin with the scanning electron microscope. Berens von Rautenfeld D, et al. **Arch Dermatol Res** 1987;279(5):327–34

Lymphatics and myenteric plexus in the muscular coat in the rat stomach: a scanning electron microscopic study of corrosion casts made by intra–arterial injection. Ohtani O, et al. **Arch Histol Jpn** 1987 Mar;50(1):87–93

Lymphatic distribution of the stomach in normal, inflammatory, hyperplastic, and neoplastic tissue. Listrom MB, et al. **Gastroenterology** 1987 Sep;93(3):506–14

The structure of the basement membrane of human lymph node high endothelial venules: an ultrastructural, histochemical and immunocytochemical study. Freemont AJ, et al. **Histochem J** 1986 Aug;18(8):421–8

Lymph heart musculature in birds. Budras KD, et al. **J Morphol** 1987 Jan;191(1):77–87

Ultrastructural study of the adjoining areas between the endothelial cells of the rabbit heart lymph vessels. Marchetti C, et al. **J Submicrosc Cytol** 1987 Jul;19(3):465–9

Presence of Weibel–Palade bodies in lymphatic endothelium of the cat. Harrison RL, et al. **Lymphology** 1986 Dec; 19(4):170–1

Lymph vessels of the transplanted kidney. Eliška O, et al. **Nephron** 1986;44(2):136–41

Corrosion cast technique applied in lymphatic pathways. Castenholz A. **Scan Electron Microsc** 1986;(Pt 2):599–605

[An ultrastructural study of the rabbit intraovarian lymphatic capillaries after ovulatory stimulus] Otsuki Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan;39(1):106–12 (Eng. Abstr.) (Jpn)

[Microcirculation of the synovial membrane—ultrastructure of the lymphatic microvasculature] Rovenská E, et al. **Bratisl Lek Listy** 1987 Mar;87(3):262–74 (Eng. Abstr.) (Slo)

LYMPHEDEMA

Peripheral lymphedema in ferrets infected with Brugia malayi. Crandall RB, et al. **Am J Trop Med Hyg** 1987 Jul; 37(1):138–42

[Lymphedema of the upper extremity in orthopedic practice—personal experience] Foldyna K, et al. **Acta Chir Orthop Traumatol Cech** 1987 Apr;54(2):182–7 (Eng. Abstr.) (Cze)

BLOOD

Serum protein patterns in chronic lymphatic filariasis. Abdel Ghani S, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):81–6

COMPLICATIONS

Angiosarcoma of the breast following segmental mastectomy complicated by lymphedema. Benda JA, et al. **Am J Clin Pathol** 1987 May;87(5):651–5

Massive haemorrhage in elephantiasis neurofibroma. Mosavy SH, et al. **Angiology** 1976 Apr;27(4):241–2

Lymphangiosarcoma associated with chronic filarial lymphedema. Muller R, et al. **Cancer** 1987 Jan 1; 59(1):179–83

Acute nephritis complicating Milroy's disease [letter] Feldman MA, et al. **Lancet** 1987 Feb 7;1(8528):336

CONGENITAL

Chylothorax in adult age in association with congenital lymphedema. Pauwels R, et al. **Eur J Respir Dis** 1986 Oct; 69(4):285–7

[Regional hypoplasia of dermal lymphatic vessels—a new variant of congenital lymphedema] Partsch H, et al. **Wien Klin Wochenschr** 1986 Oct 24;98(20):704–8 (Eng. Abstr.) (Ger)

[Congenital lymphedema] Yebra Sotillo I, et al. **Med Cutan Ibero Lat Am** 1986;14(4):247–50 (Eng. Abstr.) (Spa)

DIAGNOSIS

Endemic elephantiasis as a paediatric problem in the tropics. Price EW. **Ann Trop Paediatr** 1987 Jun;7(2):77–81

Immunodiagnosis of bancroftian filariasis. Dissanayake S, et al. **Ciba Found Symp** 1987;127:203–24 (59 ref.)

Isolation and evaluation of antigens from microfilaraemia plasma and immune complexes for diagnosis of bancroftian filariasis. Reddy MV, et al. **Indian J Pathol Microbiol** 1986 Apr;29(2):179–88

A monoclonal antibody–based enzyme immunoassay for detecting parasite antigenemia in bancroftian filariasis. Weil GJ, et al. **J Infect Dis** 1987 Aug;156(2):350–5

Efficiency of papain–treated microfilariae of Wuchereria bancrofti (var. pacifica) as antigen for serodiagnosis of bancroftian filariasis in French Polynesia. Chanteau S, et al. **Trans R Soc Trop Med Hyg** 1986;80(5):795–9

[Use of ELISA to the diagnosis and seroepidemiological survey of filariasis] Deng SS, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(4):280–3 (Eng. Abstr.) (Chi)

[Clinical picture and blue test for primary lymphedema of the lower extremities] Brunner U. **Phlebologie** 1986 Jul–Sep;39(3):629–47 (Eng. Abstr.) (Fre)

[Lymphedemas of the dorsum of the foot] Furderer CR. **Phlebologie** 1987 Apr–Jun;40(2):277–86 (Eng. Abstr.) (Fre)

[Edema of the lower extremities in the aged patient] Gruffaz J. **Phlebologie** 1986 Oct–Dec;39(4):855–62 (Eng. Abstr.) (Fre)

[Swelling of the leg, skin atrophy] Budmiger H, et al. **Schweiz Rundsch Med Prax** 1987 Apr 14;76(16):432–5 (Eng. Abstr.) (Ger)

[Lipedema from the differential diagnostic and therapeutic viewpoint] Schmitz R. **Z Hautkr** 1987 Jan 15;62(2):146–57 (Eng. Abstr.) (Ger)

[Erysipelas and lymphedema—egg or hen?] Stöberl C, et al. **Z Hautkr** 1987 Jan 1;62(1):56–62 (Eng. Abstr.) (Ger)

[Cases from edema consultation] Fischer U. **Z Lymphol** 1987 Jul;11(1):15–9 (Ger)

DRUG THERAPY

Brugian filariasis: 10–year follow–up study on the effectiveness of selective chemotherapy with diethylcarbamazine on Che Ju island, Republic of Korea. Kim JS, et al. **Bull WHO** 1987;65(1):67–75

Description, mechanisms and control of reactions to treatment in the human filariases. Ottesen EA. **Ciba Found Symp** 1987;127:265–83 (44 ref.)

Antifilarials and their mode of action. Subrahmanyam D. **Ciba Found Symp** 1987;127:246–64 (35 ref.)

[Lidocaine infusion—an alternative in the treatment of lymphedema?] Lundholm BG. **Lakartidningen** 1986 Oct 1; 83(40):3346–7 (Swe)

ETIOLOGY

Upper extremity lymphedema secondary to mammary cancer treatment. Lerner R, et al. **Am J Clin Oncol** 1986 Dec; 9(6):481–7

Lymphoedema of the arm [editorial] Browse NL. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):3–4

Pseudoelephantiasis induced by donovanosis. Sehgal VN, et al. **Genitourin Med** 1987 Feb;63(1):54–6

Arm lymphedema in patients treated conservatively for breast cancer: relationship to patient age and axillary node dissection technique. Pezner RD, et al. **Int J Radiat Oncol Biol Phys** 1986 Dec;12(12):2079–83

The possible role of soil particles in the aetiology of non–filarial (endemic) elephantiasis: a macrophage cytotoxicity assay. Spooner NT, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):222–5

[A swollen leg disclosing a popliteal cyst. Apropos of a misleading case] Bonneau A, et al. **J Mal Vasc** 1986; 11(3):313–6 (Eng. Abstr.) (Fre)

[Scleromyxoedematous infiltrations disclosing a gastric adenocarcinoma (letter)] Robin P, et al. **Presse Med** 1987 Feb 28;16(7):356 (Fre)

[Secondary lymphedema of the lower extremities as an unusual initial manifestation of stomach cancer] Plauth M, et al. **Med Klin** 1987 Jan 16;82(1):36–9 (Ger)

[Role of venous injury in the origin of post–mastectomy lymphedema of the arm. Results of 150 measurements of the venous pressure of the homo– and counter–lateral arm in mastectomy] Tarquini A, et al. **Minerva Chir** 1987 Jun 30;42(12):1053–9 (Eng. Abstr.) (Ita)

[Lymphorrhagic syndrome and the value of its correction in acute myocardial infarction] Mamedov IaD, et al. **Patol Fiziol Eksp Ter** 1986 Sep–Oct;(5):18–21 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

Dominantly inherited syndrome of microcephaly and congenital lymphedema with normal intelligence [letter] Leung AK. **Am J Med Genet** 1987 Jan;26(1):231

A genetic association between microcephaly and lymphedema [letter] Meinecke P. **Am J Med Genet** 1987 Jan;26(1):233

Early onset lymphoedema, recessive form—a new form of genetic lymphoedema syndrome. Mücke J, et al. **Eur J Pediatr** 1986 Aug;145(3):195–8

Primary lymphoedema when found with distichiasis is of the type defined as bilateral hyperplasia by lymphography. Dale RF. **J Med Genet** 1987 Mar;24(3):170–1

Milroy's disease in a Saudi family. Salem AH, et al. **J R Coll Surg Edinb** 1986 Jun;31(3):143–6

Chromosome aberrations in leukocytes of filaria–infected indigenous inhabitants in the Philippines. Hirai M, et al. **Jpn J Exp Med** 1986 Dec;56(6):285–91

[Familial case of Milroy–Meige–Nonne disease] Ouvry PA, et al. **Phlebologie** 1986 Jul–Sep;39(3):497–508 (Eng. Abstr.) (Fre)

[Fetal neck edema—early sonographic indications of a chromosome abnormality] Voigt HJ, et al. **Geburtshilfe Frauenheilkd** 1986 Dec;46(12):879–82 (Eng. Abstr.) (Ger)

HISTORY

The disappearance of bancroftian filariasis from Charleston, South Carolina. Chernin E. **Am J Trop Med Hyg** 1987 Jul;37(1):111–4

IMMUNOLOGY

Dynamics of immune responses related to clinical status in Brugia pahangi–infected dogs. Snowden K, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):143–51

Ultrastructural observations on the fate of Brugia malayi in jirds previously vaccinated with irradiated infective stage larvae. Yates JA, et al. **Am J Trop Med Hyg** 1986 Sep; 35(5):982–7

The cat infected with Brugia pahangi as a model of human filariasis. Denham DA, et al. **Ciba Found Symp** 1987; 127:225–35

Antibody responses to human lymphatic filarial parasites. Maizels RM, et al. **Ciba Found Symp** 1987;127:189–202 (29 ref.)

Regulation of immune responses in lymphatic filariasis. Piessens WF, et al. **Ciba Found Symp** 1987;127:164–79

Raised serum IgG4 levels in patients with atopy and filariasis: application of an automated particle–counting immunoassay using monoclonal antibody. Magnusson CG, et al. **Int Arch Allergy Appl Immunol** 1986;81(3):238–44

Defective concanavalin A–induced suppression in bancroftian filariasis. Vanamala CR, et al. **Int Arch Allergy Appl Immunol** 1987;83(4):410–3

Acute tropical pulmonary eosinophilia. Characterization of the lower respiratory tract inflammation and its response to therapy. Pinkston P, et al. **J Clin Invest** 1987 Jul; 80(1):216–25

Brugia malayi antigens associated with lymphocyte activation in filariasis. Lal RB, et al. **J Immunol** 1987 Sep 1; 139(5):1652–7

An analysis of in vitro B cell immune responsiveness in human lymphatic filariasis. Nutman TB, et al. **J Immunol** 1987 Jun 1;138(11):3954–9

Identification of non–cross–reacting antigens of Onchocerca volvulus with lymphatic filariasis serum pools. Lobos E, et al. **Parasitology** 1986 Oct;93 (Pt 2):389–99

Development of Brugia pahangi infections and lymphatic lesions in male offspring of female jirds with homologous infections. Klei TR, et al. **Trans R Soc Trop Med Hyg** 1986; 80(2):214–6

Expression of cross–reactive surface antigens by microfilariae and adult worms of Brugia pahangi during infections in cats. Philipp M, et al. **Trans R Soc Trop Med Hyg** 1986; 80(3):385–93

Human in vitro immune reactions to animal filariids. Sim BK, et al. **Trop Med Parasitol** 1987 Mar;38(1):11–4

[Comparison of heterologous adult filarial antigens in detecting serum antibodies in Bancroftian filariasis patients by indirect fluorescent antibody test] Wang YC, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(1):12–3 (Eng. Abstr.) (Chi)

[Advances in research on the immunopathogenic mechanism of lymphatic filariasis] Li LX. **Chung Hua I Hsueh Tsa Chih** 1986 Dec;66(12):756–8 (20 ref.) (Chi)

[Humoral immune responses to stages of Brugia pahangi in experimentally infected rats] Shin JW, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1986 Aug;19(3):189–96 (Eng. Abstr.) (Chi)

OCCURRENCE

North American brugian filariasis: report of nine infections of humans. Baird JK, et al. **Am J Trop Med Hyg** 1986 Nov;35(6):1205–9

Epidemiology of lymphatic filariasis. Mak JW. **Ciba Found Symp** 1987;127:5–14 (29 ref.)

A survey of Bancroftian filariasis in the Dominican Republic. Vincent AL, et al. **J Parasitol** 1987 Aug;73(4):839–40

Comparison of knowledge on filariasis and epidemiologic factors between infected and uninfected respondents in a Malay community. Riji HM. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):457–63

Genital filariasis in Minnesota. Clark WR, et al. **Urology** 1986

Dec;28(6):518–20
[Lymphatic filariasis in Haiti: historical sequel or future public health problem in this geographic region?] Raccurt CP. **Bull Soc Pathol Exot Filiales** 1986;79(5 Pt 2):745–54 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

Microfilariae in fine needle aspirates from epididymal lesions. Jayaram G. **Acta Cytol (Baltimore)** 1987 Jan–Feb; 31(1):59–62
The first report of Malayan filariasis in Bangkok, Thailand. Chitchang S, et al. **J Med Assoc Thai** 1987 Jun;70(6):351–3
Induction of lymphatic lesions by Brugia pahangi in jirds with large and small preexisting homologous intraperitoneal infections. Klei TR, et al. **J Parasitol** 1987 Apr;73(2):290–4
[Wuchereria bancrofti: value of the diethylcarbamazine provocation test for the diurnal detection of microfilaria carriers] Raccurt CP, et al. **Bull Soc Pathol Exot Filiales** 1986;79(3):380–5 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Angiosarcomas in lymphedematous limbs. Alessi E, et al. **Am J Dermatopathol** 1986 Oct;8(5):371–8
Filariasis of the breast. Lang AP, et al. **Arch Pathol Lab Med** 1987 Aug;111(8):757–9
The spectrum of disease in lymphatic filariasis. Partono F. **Ciba Found Symp** 1987;127:15–31 (30 ref.)
Evolution of lymph thrombi in experimental Brugia malayi infections: a scanning electron microscopic study. Fader RC, et al. **Lymphology** 1986 Dec;19(4):146–52
Cellular composition of lymph in experimental lymphedema. Galkowska H, et al. **Lymphology** 1986 Dec;19(4):139–45
[Chorio–retinal involvement in a patient with lymphatic filariasis] Mouillac–Gambarelli N, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:51–3 **(Fre)**
[Stewart–Treves syndrome: hemangiosarcoma in chronic lymphedema. Ultrastructural analysis of various clinical developmental stages] Marsch WC. **Hautarzt** 1987 Feb; 38(2):82–7 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Arteriovenous shunt–circulation in lymphoedematous limbs. Solti F, et al. **Acta Chir Hung** 1986;27(4):223–31
Venous muscle pump function in patients with primary lymphoedema: assessment by ambulatory strain gauge plethysmography. Struckmann J, et al. **Br J Surg** 1986 Nov; 73(11):886–7
[Venous component in lymphedema of the upper extremity after radio–surgical therapy of cancer of the breast] Gruffaz J. **Phlebologie** 1986 Jul–Sep;39(3):517–25 (Eng. Abstr.) **(Fre)**
[Aspects of lymphostasis implicated in the pathogenesis of primary lymphedema in children] Rada IO, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1987 Jan–Mar; 36(1):73–83 (Eng. Abstr.) **(Rum)**
[Functional tests in determining indicators for the creation of lymphovenous anastomoses in patients with lymphedema of the extremities] Savchenko TV. **Klin Khir** 1986;(7):23–5 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Flubendazole in–feed preparation for prophylaxis of experimental lymphatic filariasis. Kumar V, et al. **Ann Soc Belg Med Trop** 1987 Mar;67(1):75–7
Prophylactic activity of flubendazole–medicated feed on Brugia pahangi infection of multimammate rats. de Burbure G, et al. **Ann Trop Med Parasitol** 1986 Aug;80(4):455–7
Lymphatic filariasis—tropical medicine's origin will not go away [editorial] **Lancet** 1987 Jun 20;1(8547):1409–10
Problems in filariasis control and the need for human behaviour and socio–economic research. Mak JW. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):479–85
[Edema prevention with aprotinin in elective interventions in the area of the jaw and face (preliminary results)] Dumbach J. **Laryngol Rhinol Otol (Stuttg)** 1986 Oct; 65(10):545–8 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Factitious lymphedema of the hand: a diagnostic challenge. Orenstein A, et al. **Cutis** 1987 May;39(5):427–8

RADIOGRAPHY

[Yellow nail syndrome. Apropos of a case. A review of the main radiologic manifestations] Coche G, et al. **J Radiol** 1986 May;67(5):435–7 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

Dynamic lymph flow imaging in lymphedema. Normal and abnormal patterns. Nawaz K, et al. **Clin Nucl Med** 1986 Sep;11(9):653–8
False–positive thromboscintigram resulting from lymphedema—a roentgen pathological model. Collins JD, et al. **J Natl Med Assoc** 1986 Sep;78(9):875, 878–81
[Lymphoscintigraphy in the study of lymphedema of the arms] Carena M, et al. **Radiol Med (Torino)** 1987 Apr; 73(4):310–2 (Eng. Abstr.) **(Ita)**

RADIOTHERAPY

Micro–wave: an alternative to electric heating in the treatment of chronic lymphedema of extremities. Zhang DS, et al. **Chin Med J [Engl]** 1986 Nov;99(11):866–70

SURGERY

A microsurgical method for reconstruction of interrupted lymphatic pathways: autologous lymph–vessel transplantation for treatment of lymphedemas. Baumeister RG, et al. **Scand J Plast Reconstr Surg** 1986;20(1):141–6
Surgical treatment of lymphedema: a report on 652 cases. Servelle M. **Surgery** 1987 Apr;101(4):485–95
[47–year course of severe lymphedema of the right lower limb. 6 successive operations from 1941 to 1950. Satisfactory condition 36 years after the last operation] Kunlin J, et al. **J Mal Vasc** 1986;11(3):310–2 (Eng. Abstr.) **(Fre)**
[Elephantiasis of the external genital organs in the male. Apropos of 18 cases] Benchekroun A, et al. **J Urol (Paris)** 1986;92(5):297–300 (Eng. Abstr.) **(Fre)**
[Microsurgical therapy of post–mastectomy lymphedema of the arm] Ortensi A, et al. **Minerva Chir** 1987 Feb 15; 42(3):159–62 (Eng. Abstr.) **(Ita)**
[Treatment of lymphedema in a controlled abacterial medium] Kostiuchenok BM, et al. **Khirurgiia (Mosk)** 1986 Dec;(12):54–8 (Eng. Abstr.) **(Rus)**
[Direct roentgenocontrast lymphography in the examination of lymphovenous anastomoses] Sheremet PF, et al. **Khirurgiia (Mosk)** 1986 Dec;(12):62–8 (Eng. Abstr.) **(Rus)**
[Lymphedema of the lower extremities and its treatment] Khalmosh L, et al. **Klin Khir** 1986;(7):56–9 (Eng. Abstr.) **(Rus)**
[Lymphedema of the leg due to chylous reflux: surgical treatment. Report of a case] Brochner G, et al. **Angiologia** 1987 Jan–Feb;39(1):15–9 (Eng. Abstr.) **(Spa)**

THERAPY

Lymphedema: patho–physiologic and clinical concepts. Beninson J. **Angiology** 1975 Oct;26(9):661–4
Mossy leg—an unusual therapeutic success. Beninson J, et al. **Angiology** 1986 Sep;37(9):642–6
Endemic elephantiasis as a paediatric problem in the tropics. Price EW. **Ann Trop Paediatr** 1987 Jun;7(2):77–81
Sequential and graded intermittent pneumatic compression device for treatment of swollen limbs. Pekanmäki K, et al. **Biomed Tech (Berlin)** 1987 Mar;32(3):50–4
Lymphedema. Kobayashi MR, et al. **Clin Plast Surg** 1987 Apr;14(2):303–13 (95 ref.)
Management of chronic manifestations of filariasis. Dandapat MC, et al. **J Indian Med Assoc** 1986 Jul;84(7):210–5
Non–operative therapy combined with limited surgery in management of peripheral lymphedema. Zelikovski A, et al. **Lymphology** 1986 Sep;19(3):106–8
[Value of stabilization of the tarsus in certain pseudo–vascular predominantly anterolateral leg pains] Acker D, et al. **Phlebologie** 1987 Apr–Jun;40(2):265–76 (Eng. Abstr.) **(Fre)**
["Depletion" in the treatment of lymphedema of the lower extremities] Bilancini S, et al. **Phlebologie** 1987 Apr–Jun; 40(2):537–40 (Eng. Abstr.) **(Fre)**
[Mercury pressure gradient and peripheral vascular pathology. Apropos of several cases] Cartier CJ. **Phlebologie** 1986 Jul–Sep;39(3):649–60 (Eng. Abstr.) **(Fre)**
[Therapeutic and palliative lymph drainage in therapy of edema in the face and neck] Einfeldt H, et al. **HNO** 1986 Sep;34(9):365–7 (Eng. Abstr.) **(Ger)**
[Assessment of a patient with idiopathic edema] Kuhnke E, et al. **Z Lymphol** 1986 Dec;10(2):77–81 (Eng. Abstr.) **(Ger)**
[A new development: a brassiere for patients with breast amputation] Schwehm B. **Z Lymphol** 1986 Dec;10(2):82 **(Ger)**
[Treatment of lymphedema subsequent to intervention for tumors of the breast] Monzeglio C, et al. **Minerva Ginecol** 1987 Mar;39(3):189–92 (Eng. Abstr.) **(Ita)**
[Treatment of lymphedema] Petlund CF. **Tidsskr Nor Laegeforen** 1987 Feb 28;107(6):557–9 **(Nor)**
[Results of treatment for lymphatic edema of the upper extremity after pneumatic massage] Woźniewski M. **Pol Tyg Lek** 1986 May 19;41(20):655–8 (Eng. Abstr.) **(Pol)**

TRANSMISSION

Filariasis in Mirpur area of Dhaka city. Ahmed T, et al. **Bangladesh Med Res Counc Bull** 1986 Dec;12(2):83–94
The importance of communication with the foci of infection in the transmission of filariasis in Indonesia. Oemijati S, et al. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):451–6

LYMPHOCYTAPHERESIS see **LEUKAPHERESIS**

LYMPHOCYTE ACTIVATING FACTOR see **INTERLEUKIN 1**

LYMPHOCYTE ACTIVATION see **LYMPHOCYTE TRANSFORMATION**

LYMPHOCYTE COOPERATION

Induction of in vivo helper activity for murine antibody responses by macrophages pulsed with ovalbumin–monomethoxypolyethylene glycol (OA–mPEG) conjugates. Holford–Strevens V, et al. **Cell Immunol** 1987 Feb;104(2):245–54
Identification of a major 50–kDa molecular weight human B–cell growth factor with Tac antigen–inducing activity on B cells. Kawano M, et al. **Cell Immunol** 1987 Aug; 108(1):132–49
Clonal analysis of antigen–specific interactions between T cells and genetically engineered B cells. Kitagami K, et al. **Cell Immunol** 1987 Sep;108(2):438–51
Antigen–specific memory and virgin B cells differ in their requirements for conjugation to T cells. Sanders VM, et al. **Cell Immunol** 1987 Feb;104(2):419–25
Immunoglobulin production in the autologous MLR: target of the suppressor–amplifier circuit. Gatenby PA, et al. **Clin Exp Immunol** 1986 Aug;65(2):401–8
Human large granular lymphocytes induce immunoglobulin synthesis after bone marrow transplantation. Brenner MK, et al. **Eur J Immunol** 1987 Jan;17(1):43–7
Thymus grafts induce B cell development in nude, X–linked immune deficient mice. Karagogeos D, et al. **Eur J Immunol** 1987 Jan;17(1):141–4
Carrier–specific T cells sufficient for the expression of multiple isotypes in B cell cultures. Kotloff DB, et al. **Eur J Immunol** 1987 Jan;17(1):21–6
Reciprocity in lymphocyte interactions. Julius MH. **Immunol Rev** 1987 Feb;95:177–94 (55 ref.)
In vitro IgE synthesis induced by human T cell clones in normal B cells and its suppression by heterogenous T cell populations. Romagnani S, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):411–3
Spontaneous in vitro production of thyroglobulin specific helper factor in patients with autoimmune thyroid diseases. Hara Y, et al. **J Clin Lab Immunol** 1987 Mar;22(3):107–12
Mechanisms of T and B cell collaboration in the in vitro production of anti–DNA antibodies in the NZB/NZW F1 murine SLE model. Ando DG, et al. **J Immunol** 1987 May 15;138(10):3185–90
Requirement for BSF–1 in the induction of antigen–specific B cell proliferation by a thymus–dependent antigen and carrier–reactive T cell line. Dubois P, et al. **J Immunol** 1987 Sep 15;139(6):1927–34
Cloned, Ia–restricted T cells that do not produce interleukin 4(IL 4)/B cell stimulatory factor 1(BSF–1) fail to help antigen–specific B cells. Killar L, et al. **J Immunol** 1987 Mar 15;138(6):1674–9
Regulation of the anti–alpha (1,3) dextran response: two populations of dextran–reactive B cells that differ in their T cell requirements for induction to antibody synthesis. Murray PD, et al. **J Immunol** 1987 Apr 15;138(8):2439–44
Antibody conjugates mimic specific B cell presentation of antigen: relationship between T and B cell specificity. Ozaki S, et al. **J Immunol** 1987 Jun 15;138(12):4133–42
Idiotype–specific Ly–1 B cell–mediated helper activity: hybridomas that produce anti–idiotype antibody and nonimmunoglobulin lymphokine(s)1. Sherr DH, et al. **J Immunol** 1987 Apr 1;138(7):2057–62
Major histocompatibility complex and cell cooperation. Vainio O, et al. **Poult Sci** 1987 May;66(5):795–801 (25 ref.)
Induced differentiation of a transformed clone of Ly–1+ B cells by clonal T cells and antigen. Bishop GA, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7410–4
[B–lymphocytes are required to mediate the effect of T–lymphocytes on hematopoietic stem cells] Man'ko VM, et al. **Dokl Akad Nauk SSSR** 1987;293(2):497–9 **(Rus)**

DRUG EFFECTS

Effect of alpha interferon on the altered T–B–cell immunoregulation in patients with thalassemia major. Nualart P, et al. **Am J Hematol** 1987 Feb;24(2):151–9
CD3 modulation inhibits pokeweed mitogen–induced T–cell help for immunoglobulin production. Ceuppens JL, et al. **Cell Immunol** 1986 Oct 1;102(1):144–51
Analysis of T cell–replacing factor–like activity: potent induction of T helper activity for human B cells by residual concanavalin A and interleukin 2. Sauerwein RW, et al. **Eur J Immunol** 1987 Aug;17(8):1145–50
Enhancement of a human antibody response in vitro mediated by interaction of interferon–alpha with T lymphocytes. Evans SS, et al. **J Immunol** 1987 Apr 15;138(8):2451–6
Inhibition of B lymphocyte activation by interferon–gamma. Reynolds DS, et al. **J Immunol** 1987 Aug 1;139(3):767–73
[Chorionic gonadotropin as a modulator of cell interaction in the induction of the primary immune response] Kevorkov NN, et al. **Probl Endokrinol (Mosk)** 1987 Mar–Apr;33(2):60–2 (Eng. Abstr.) **(Rus)**

LYMPHOCYTE CULTURE TEST, MIXED see **LEUKOCYTE CULTURE TEST, MIXED**

LYMPHOCYTE DEPLETION

Engraftment of T–cell–depleted rabbit bone marrow. Gratwohl A, et al. **Acta Haematol (Basel)** 1987;77(4):208–14
A comparative study of T–cell depleted and non–depleted marrow transplantation for hematological malignancy. Atkinson K, et al. **Aust NZ J Med** 1987 Feb;17(1):16–23
Reconstitution of T– and B–cell function after

T-lymphocyte-depleted haploidentical bone marrow transplantation in severe combined immunodeficiency due to adenosine deaminase deficiency. Silber GM, et al. **Clin Immunol Immunopathol** 1987 Sep;44(3):317–20

Enrichment for GM-CFU from human bone marrow using Sambucus nigra agglutinin: potential application to bone marrow transplantation. Mumcuoglu M, et al. **Exp Hematol** 1986 Nov;14(10):946–50

The use of monoclonal antibodies in graft versus host disease prevention. Brenner MK, et al. **Haematologia (Budap)** 1986; 19(3):167–76

T-cell depletion with the monoclonal antibody Campath 1 to prevent graft-versus-host disease in ten high-risk adult patients. Bandini G, et al. **Haematologica (Pavia)** 1986 Jul-Aug;71(4):307–11

Depletion of T cells from bone marrow grafts with soybean agglutinin and sheep red blood cells for prevention of graft-versus-host disease. Verdonck LF, et al. **Hamatol Bluttransfus** 1987;30:563–6

Regulation of Ia+ reticulum cell sarcoma (RCS) growth in syngeneic SJL/J mice. I. Inhibition of tumor growth by passive administration of L3T4 monoclonal antibody before or after tumor inoculation. Ohnishi K, et al. **J Immunol** 1987 Jun 15;138(12):4524–9

In vivo T cell depletion regulates resistance and morbidity in murine schistosomiasis. Phillips SM, et al. **J Immunol** 1987 Aug 1;139(3):919–26

Depletion of natural killer cells in mice by monoclonal antibody to NK-1.1. Reduction in host defense against malignancy without loss of cellular or humoral immunity. Seaman WE, et al. **J Immunol** 1987 Jun 15;138(12):4539–44

Anti-T cell monoclonal antibodies in vivo. II. Modulation of acute and chronic experimental allergic encephalomyelitis (EAE) in guinea pigs. Sobel RA, et al. **J Immunol** 1987 Apr 15;138(8):2507–13

Selective loss of expression of a tumor-associated antigen on a human leukemia cell line induced by treatment with monoclonal antibody and complement. Gee AP, et al. **JNCI** 1987 Jan;78(1):29–35

IL-2 addiction: withdrawal of growth factor activates a suicide program in dependent T cells. Duke RC, et al. **Lymphokine Res** 1986 Fall;5(4):289–99

Effect of posttransplantation administration of peripheral blood lymphocytes in skin-grafted mice treated with antilymphocyte serum or antilymphocyte serum plus bone marrow. De Fazio SR, et al. **Transplantation** 1987 Jul; 44(1):70–5

Graft-versus-host disease prevention in allogeneic bone marrow transplantation from histocompatible siblings. A pilot study using immunotoxins for T cell depletion of donor bone marrow. Filipovich AH, et al. **Transplantation** 1987 Jul;44(1):62–9

The effect of T subset depletion on the incidence of lethal graft-versus-host disease in a murine major-histocompatibility-complex-mismatched transplantation system. Pietryga DW, et al. **Transplantation** 1987 Mar;43(3):442–5

Specific ex-vivo depletion of human bone marrow T lymphocytes by an anti-pan-T cell (CD5) ricin A-chain immunotoxin. Siena S, et al. **Transplantation** 1987 Mar; 43(3):421–6

Depletion of T lymphocytes from human bone marrow. Use of magnetic monosized polymer microspheres coated with T-lymphocyte-specific monoclonal antibodies. Vartdal F, et al. **Transplantation** 1987 Mar;43(3):366–71

Lymphocytic depletion of bursa of Fabricius and thymus in chickens inoculated with Escherichia coli. Nakamura K, et al. **Vet Pathol** 1986 Nov;23(6):712–7

Evaluation of HLA-haplotype disparate parental marrow grafts depleted of T lymphocytes by differential agglutination with a soybean lectin and E-rosette depletion for the treatment of severe combined immunodeficiency. O'Reilly RJ, et al. **Vox Sang** 1986;51 Suppl 2:81–6

[Transplantation of allogeneic bone marrow treated in vitro with Campath-1 monoclonal antibody] Chapuis B, et al. **Schweiz Med Wochenschr** 1986 Oct 25;116(43):1475–6 (Eng. Abstr.) **(Fre)**

[Effect of T-cell depletion of the graft on graft survival and graft vs host disease] Irlé C, et al. **Schweiz Med Wochenschr** 1986 Nov 29;116(48):1685–6 (Eng. Abstr.) **(Fre)**

[Cyto-destruction of leukemic blasts in vitro using a monoclonal antibody and complement] Pérez-Oteyza J, et al. **Sangre (Barc)** 1986;31(5):587–92 (Eng. Abstr.) **(Spa)**

METHODS

Depletion of T lymphocytes from human bone marrow by the use of counterflow elutriation centrifugation. Takaue Y, et al. **Am J Hematol** 1986 Nov;23(3):247–62

LYMPHOCYTE MITOGENIC FACTOR see **INTERLEUKIN 2**

LYMPHOCYTE TRANSFORMATION

Immunity in Graves' disease at diagnosis: correlation between activated T cells and humoral immune factors. Di Mario U, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):493–9

Hyperreactivity of lymphocytes to streptolysin O and lack of plasma inhibitory factor (s) in patients with mucocutaneous lymphnode syndrome. Wakiguchi H, et al. **Acta Med Okayama** 1986 Dec;40(6):285–9

B cell activation in multiple sclerosis. Sandberg M, et al. **Acta Neurol Scand** 1986 Dec;74(6):417–24

Comparison of the response to phytohemagglutinin, of peripheral blood mononuclear cells and cerebrospinal fluid lymphocytes in multiple sclerosis and other neurological diseases. Determination of the frequency of the precursor cells by a limiting dilution analysis. Tournier-Lasserve E, et al. **Acta Neurol Scand** 1986 Jul;74(1):66–71

Suppressive effect of monocytes in vitro in patients with carcinoma of the uterine cervix. Bjercke S, et al. **Acta Obstet Gynecol Scand** 1986;65(6):619–24

Abnormal immune responses during hypozincaemia in acrodermatitis enteropathica. Anttila PH, et al. **Acta Paediatr Scand** 1986 Nov;75(6):988–92

Vaccination-induced activation of human blood T cells suppressing pneumococcal polysaccharide-specific B cells. Heilmann C. **Acta Pathol Microbiol Immunol Scand [C]** 1987 Apr;95(2):65–9

Effect of elevated temperature on human immunoglobulin synthesis, lymphokine production and lymphocyte proliferation in vitro. Närvänen O, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1986 Dec; 94(6):239–44

Mechanisms of lymphocyte activation and immune regulation. Proceedings of an International Conference on Lymphocyte Activation and Immune Regulation. February 28-March 2, 1986, New Post Beach, California. **Adv Exp Med Biol** 1987;213:1–337

The activation, proliferation, and differentiation of human B lymphocytes. Ambrus JL Jr, et al. **Adv Exp Med Biol** 1987;213:163–75

Early events in lymphocyte activation triggered via CD3/Ti or CD2. Beverley PC, et al. **Adv Exp Med Biol** 1987; 213:51–8

Ion channels in T lymphocytes. Cahalan MD, et al. **Adv Exp Med Biol** 1987;213:85–101

Coupling of B cell surface Ig, Ia and BSF1 receptors to intracellular "second messengers".Cambier JC, et al. **Adv Exp Med Biol** 1987;213:195–205

Transmembrane signaling reactions generated in B cells in response to anti-IgM or lipopolysaccharide. DeFranco AL. **Adv Exp Med Biol** 1987;213:189–93

Transmembrane signals in the activation of T lymphocytes. Hadden JW. **Adv Exp Med Biol** 1987;213:69–83

Activation of natural killer (NK) cells and mechanism of their cytotoxic effects. Herberman RB. **Adv Exp Med Biol** 1987;213:275–83

Cell growth associated regulation of c-myc and c-fos in normal human T cells. Kelly K, et al. **Adv Exp Med Biol** 1987;213:241–7

Delineation of human B cell differentiation: immunological and molecular characterization of human B cell differentiation factor (BSF-2). Kishimoto T, et al. **Adv Exp Med Biol** 1987;213:177–88

The effect of intracellular proteinases on transformation of human lymphocytes. Korbelik M, et al. **Adv Exp Med Biol** 1986;198 Pt B:113–20

The early mitogenic pathway in mouse thymocytes: an analysis of the dual signal hypothesis. Metcalfe JC, et al. **Adv Exp Med Biol** 1987;213:29–44

Human T lymphocyte activation. Milanese C, et al. **Adv Exp Med Biol** 1987;213:59–68

B lymphocyte activation. The roles of receptor cross-linkage and BSF-1. Paul WE, et al. **Adv Exp Med Biol** 1987; 213:207–14

Regulation of proto-oncogene expression during T lymphocyte activation and proliferation. Reed JC, et al. **Adv Exp Med Biol** 1987;213:249–62

Autocrine growth function of interleukin-1-like molecules secreted by neoplastic human B cells. Scala G, et al. **Adv Exp Med Biol** 1987;213:115–24

IgG1 induction factor: a single molecular entity with multiple biological functions. Sideras P, et al. **Adv Exp Med Biol** 1987;213:227–36

Dissection of the molecular events occurring during T cell cycle progression. Smith KA. **Adv Exp Med Biol** 1987; 213:125–8

B cell growth factor interactions. Swain SL, et al. **Adv Exp Med Biol** 1987;213:215–25

Regulation of activation and proliferation of human natural killer cells. Trinchieri G, et al. **Adv Exp Med Biol** 1987; 213:285–98

The interleukin-2 receptor on normal and malignant lymphocytes. Waldmann TA. **Adv Exp Med Biol** 1987; 213:129–37

The role of the antigen receptor/T3 complex in T-cell activation. Weiss A, et al. **Adv Exp Med Biol** 1987;213:45–9

Antigen presentation by B cells and its significance in T-B interactions. Chesnut RW, et al. **Adv Immunol** 1986; 39:51–94 (103 ref.)

Regulation of human B lymphocyte activation, proliferation, and differentiation. Jelinek DF, et al. **Adv Immunol** 1987; 40:1–59 (230 ref.)

Biological activities residing in the Fc region of immunoglobulin. Morgan EL, et al. **Adv Immunol** 1987; 40:61–134 (457 ref.)

Magnesium-deficient hairless rat: spleen cells mitogenic responses and variations in hormonal status. Barbier A, et al. **Agents Actions** 1986 Dec;19(3–6):341–3

In vitro immunoglobulin production, proliferation, and cell markers before and after antithymocyte globulin therapy in patients with aplastic anemia. Lum LG, et al. **Am J Hematol** 1987 Sep;26(1):1–15

Phenotyping of proliferating lymphocytes in angioimmunoblastic lymphadenopathy and related lesions by the double immunoenzymatic staining technique. Namikawa R, et al. **Am J Pathol** 1987 May;127(2):279–87

Age-related changes in circannual rhythms of lymphocyte blastogenic responses in mice. Brock MA. **Am J Physiol** 1987 Feb;252(2 Pt 2):R299–305

Replication of lower lymphocyte blastogenesis in depression [letter] Darko DF, et al. **Am J Psychiatry** 1986 Nov; 143(11):1492–3

Cortisol and dexamethasone blood levels and phytohemagglutinin response [letter] Ganguli R, et al. **Am J Psychiatry** 1987 Apr;144(4):524

Suppression of lymphocyte activation by a high-molecular-weight glycoprotein released from preimplantation ovine and porcine conceptuses. Murray MK, et al. **Am J Reprod Immunol Microbiol** 1987 Jun; 14(2):38–44

Effect of a soluble factor secreted from cultured human trophoblast cells on in vitro lymphocyte reactions. Saji F, et al. **Am J Reprod Immunol Microbiol** 1987 Apr; 13(4):121–4

The clinical and immunologic responses of normal human volunteers to low dose hookworm (Necator americanus) infection. Maxwell C, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):126–34

Alveolar macrophages, blood monocytes, and density-fractionated alveolar macrophages differ in their ability to promote lymphocyte proliferation to mitogen and antigen. Ferro TJ, et al. **Am Rev Respir Dis** 1987 Mar; 135(3):682–7

Extracts from Sarcocystis gigantea macrocysts are mitogenic for human blood lymphocytes. Tietz HJ, et al. **Angew Parasitol** 1986 Nov;27(4):201–6

14th immunology forum. Antigen processing and presentation. **Ann Inst Pasteur Immunol** 1986 Sep-Oct; 137D(2):295–349

The role of L3T4 (CD4) in T-cell activation. Greenstein JL, et al. **Ann Inst Pasteur Immunol** 1987 Jan-Feb; 138(1):134–8

Anti-L3T4 monoclonal antibody inhibits T-cell activation by anti-T-cell receptor antibody through a pathway not involving "associative recognition".Moldwin RL, et al. **Ann Inst Pasteur Immunol** 1987 Jan-Feb;138(1):131–4

Effect of hypothalamic lesions on experimental autoimmune diseases in rats. Abramsky O, et al. **Ann NY Acad Sci** 1987; 496:360–5

Differential transmembrane signaling in B lymphocyte activation. Cambier JC, et al. **Ann NY Acad Sci** 1987; 494:52–64

Immunologic and clinical evaluation of multiple sclerosis patients treated with corticosteroids and/or calf thymic hormones. Dabrowski MP, et al. **Ann NY Acad Sci** 1987; 496:697–706

Reduced suppressor cell function in psychiatric patients. Müller N, et al. **Ann NY Acad Sci** 1987;496:686–90

Immunomodulatory action of somatostatin. Pawlikowski M, et al. **Ann NY Acad Sci** 1987;496:233–9

Deficient control of in vitro Epstein-Barr virus infection in patients with ankylosing spondylitis. Robinson S, et al. **Ann Rheum Dis** 1986 Dec;45(12):974–7

T-cell activation. MacDonald HR, et al. **Annu Rev Cell Biol** 1986;2:231–53 (147 ref.)

Molecular mechanisms of transmembrane signaling in B lymphocytes. Cambier JC, et al. **Annu Rev Immunol** 1987; 5:175–99 (126 ref.)

Sodium ion influx in proliferating lymphocytes: an early component of the mitogenic signal. Prasad KV, et al. **Arch Biochem Biophys** 1987 Feb 1;252(2):515–25

Stimulation of T cells by autologous mononuclear leukocytes and epidermal cells in psoriasis. Schopf RE, et al. **Arch Dermatol Res** 1986;279(2):89–94

TG and TnonG lymphocyte involvement in the proliferative response to PHA. I. Reactivity and regulatory functions of TG and TnonG subsets in the proliferative response of T lymphocytes. Markowicz S, et al. **Arch Immunol Ther Exp (Warsz)** 1987;35(1):11–21

TG and TnonG lymphocyte involvement in the proliferative response to PHA. II. The role of TG and TnonG lymphocytes in the regulation of the PHA-induced proliferative response of non-T cells. Markowicz S, et al. **Arch Immunol Ther Exp (Warsz)** 1987;35(1):23–7

MLR-stimulating properties of five homozygous typing cells found in an outbred population. Myc A, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(2):157–69

Stimulation of peripheral blood lymphocytes with autologous tumor and serum-derived fractions from patients with laryngeal carcinomas. Koldovsky P, et al. **Arch Otorhinolaryngol** 1986;243(5):309–12

Lymphocyte function and abdominal operations. Trauma vs elective surgery. Feliciano DV, et al. **Arch Surg** 1987 Jun; 122(6):697–701

Peripheral blood and synovial fluid monocyte activation in inflammatory arthritis. II. Low levels of synovial fluid and synovial tissue interferon suggest that gamma-interferon is not the primary macrophage activating factor. Firestein GS, et al. **Arthritis Rheum** 1987 Aug;30(8):864–71

Peripheral blood and synovial fluid monocyte activation in inflammatory arthritis. I. A cytofluorographic study of monocyte differentiation antigens and class II antigens and their regulation by gamma-interferon. Firestein GS, et al.

Arthritis Rheum 1987 Aug;30(8):857–63

Persistent synovial lymphocyte responses to cytomegalovirus antigen in some patients with rheumatoid arthritis. Ford DK, et al. **Arthritis Rheum** 1987 Jun;30(6):700–4

Activation pathways for human T-lymphocytes defined by monoclonal antibodies against T-cell surface structures. Fleischer B. **Arzneimittelforschung** 1987 May;37(5):585–6

Defect of suppressor cell induction in patients with juvenile rheumatoid arthritis. Murata H, et al. **Asian Pac J Allergy Immunol** 1986 Dec;4(2):95–9

Cellular and humoral response of in ovo-bursectomized chickens to experimental challenge with velogenic Newcastle disease virus. Marino OC, et al. **Avian Dis** 1987 Apr–Jun;31(2):293–301

Flow cytometry of blastogenesis and the concomitant viability assay of lymphocytes stained with 4', 6 diamidino-2-phenylindole. Hornicek FJ, et al. **Basic Appl Histochem** 1986;30(4):453–61

The "erythrocyte receptor" of T-lymphocytes and T11 target structure (T11TS): complementary cell interaction molecules involved in T-cell activation. Hünig T, et al. **Behring Inst Mitt** 1987 Jun;(81):31–40

Two pathways of T cell activation. Meuer SC, et al. **Behring Inst Mitt** 1987 Jun;(81):15–30 (59 ref.)

Cellular oncogenes and lymphocyte activation. Schneider-Schaulies J, et al. **Behring Inst Mitt** 1987 Jun;(81):110–9

Tyrosine phosphorylation of interleukin 2 receptor-related proteins in phytohemagglutinin-activated human lymphocytes. Ogawa R, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):160–5

S-D-lactoylglutathione in resting and activated human neutrophils. Thornalley PJ, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):769–74

Regulation of the number of Na+,K+-pump sites after mitogenic activation of lymphocytes. Severini A, et al. **Biochem Cell Biol** 1987 Feb;65(2):95–104

5-Aminosalicylate: oxidation by activated leukocytes and protection of cultured cells from oxidative damage. Dull BJ, et al. **Biochem Pharmacol** 1987 Aug 1;36(15):2467–72

Transfer ribonucleic acid populations in concanavalin-A-stimulated bovine lymphocytes. Derwenskus KH, et al. **Biochim Biophys Acta** 1986 Nov 13;868(2-3):91–9

Human lymphokine-activated killer cells (LAK cells) as a potential immunotherapeutic modality. Grimm EA. **Biochim Biophys Acta** 1986 Dec 17;865(3):267–79 (63 ref.)

Glutathione status of rat thymocytes and splenocytes during the early events of their ConA proliferative responses. Lacombe P, et al. **Biochimie** 1987 Jan;69(1):37–44

Pathways of human T lymphocyte development and activation. Alcover A, et al. **Bioessays** 1986 Jun;4(6):259–64

Pitfalls in measuring fluorescence polarization in mitogen-stimulated T-lymphocytes. Goppelt-Strübe M, et al. **Biol Chem Hoppe Seyler** 1987 Apr;368(4):409–12

Additional folding of nuclear DNA is an early event during stimulation of human lymphocytes. Hartwig M. **Biomed Biochim Acta** 1986;45(7):K15–8

Correlation between computed conformational properties of cytochrome c peptides and their antigenicity in a T-lymphocyte proliferation assay. Vasquez M, et al. **Biopolymers** 1987 Mar;26(3):373–86

Reactivity of B leukemic lymphocytes of patients with chronic lymphocytic leukemia to PWM and PHA. Isaković K, et al. **Blood Cells** 1987;12(2):355–64

The effects of road transportation on peripheral blood lymphocyte subpopulations, lymphocyte blastogenesis and neutrophil function in calves. Murata H, et al. **Br Vet J** 1987 Mar–Apr;143(2):166–74

Decreased mononuclear cell response to mitogens in artificially reared neonatal pigs. Blecha F, et al. **Can J Vet Res** 1986 Oct;50(4):522–5

Activation of lymphocyte anti-tumour responses in man: effector heterogeneity and the search for immunomodulators. Vose BM. **Cancer Metastasis Rev** 1987; 5(4):299–312 (58 ref.)

A cytoplasmic human melanoma associated antigen as a marker of activation in lymphoid cells. Giacomini P, et al. **Cancer Res** 1987 Oct 1;47(19):5175–80

Potentiation of lymphocyte responses by monoclonal antibodies to the ganglioside GD3. Hersey P, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6083–90

1,25-Dihydroxyvitamin D3-regulated expression of genes involved in human T-lymphocyte proliferation and differentiation. Matsui T, et al. **Cancer Res** 1986 Nov; 46(11):5827–31

Response of mammalian ADP-ribosyl transferase to lymphocyte stimulation, mutagen treatment and cell cycling. Scovassi AI, et al. **Carcinogenesis** 1987 Sep; 8(9):1295–300

The role of the L3T4 molecule in mitogen and antigen-activated signal transduction. Rosoff PM, et al. **Cell** 1987 Jun 19;49(6):845–53

Endogenous production of prothymocyte differentiating activity by phytohemagglutinin-stimulated T-cell-depleted human marrow. Ahmad M, et al. **Cell Immunol** 1986 Dec; 103(2):299–310

Membrane depolarization is induced in tolerant B lymphocytes by stimulation with antigen. Aldo-Benson M. **Cell Immunol** 1986 Dec;103(2):417–25

Intracellular polyamine biosynthesis is required for interleukin 2 responsiveness during lymphocyte mitogenesis. Bowlin TL, et al. **Cell Immunol** 1987 May; 106(2):420–7

Studies of the in vitro activation and differentiation of human B lymphocytes. II. Optimization of activation by anti-immunoglobulin antibody bound to beads: analysis of the role of autocrine effects on B-cell proliferation and of T-cell help in B-cell differentiation. Boyd AW, et al. **Cell Immunol** 1986 Apr 15;99(1):228–40

IL-2- and IFN gamma-enhanced natural cytotoxic activity: analysis of the role of different lymphoid subsets and implications for activation routes. Braakman E, et al. **Cell Immunol** 1986 May;99(2):476–88

Functional interactions of human and murine lymphoid cells. I. Analysis of primary and secondary responses. Brunswick M, et al. **Cell Immunol** 1986 Dec;103(2):441–54

Polyclonal activation of primed rat B cells. Burg DL, et al. **Cell Immunol** 1986 Apr 1;98(2):351–63

Analysis of T-cell subset proliferation at afebrile and febrile temperatures: differential response of Lyt-1+23- lymphocytes to hyperthermia following mitogen and antigen stimulation and its functional consequence on development of cytotoxic lymphocytes. Ciavarra RP, et al. **Cell Immunol** 1987 Jul;107(2):293–306

Characterization of a low molecular weight suppressor of lymphocyte proliferation from guinea pig L2C leukemia cells. Collins DP, et al. **Cell Immunol** 1987 Apr 1; 105(2):397–410

Lymphokine production by mitogen and antigen activated mouse intraepithelial lymphocytes. Dillon SB, et al. **Cell Immunol** 1986 Dec;103(2):326–38

Supernatant from a cloned helper T cell stimulates resting B cells to express transferrin and IL-2 receptors. Diu A, et al. **Cell Immunol** 1987 Jul;107(2):471–8

DNA and immunoglobulin synthesis by rabbit peripheral blood lymphocytes in vitro: complete and incomplete stimulation. Endoh M, et al. **Cell Immunol** 1987 Jul; 107(2):455–64

Antibody enhances lymphocyte proliferation in guinea pigs immunized to express cutaneous basophil hypersensitivity. Faix JD, et al. **Cell Immunol** 1986 May;99(2):354–63

Increased activation of antigen-primed or memory B cells by bacterial lipopolysaccharide. Fauntleroy MB, et al. **Cell Immunol** 1987 Jul;107(2):263–72

Murine neonatal spleen contains natural T and non-T suppressor cells capable of inhibiting adult alloreactive and newborn autoreactive T-cell proliferation. Hooper DC, et al. **Cell Immunol** 1986 May;99(2):461–75

Selective activation of helper and cytolytic T-cell functions of L3T4+ clones with either antireceptor antibody or phorbol ester and ionophore. Ju ST, et al. **Cell Immunol** 1987 May;106(2):260–72

Analysis of the activation of lymphoid cells by mitogens in vitro with limiting dilution methods: adherent peritoneal cells suppress B-cell activation and synergize with WEHI-3 in the activation of T cells by Con A. Kettman J, et al. **Cell Immunol** 1986 May;99(2):489–99

Specific suppression of the in vitro parent anti-hybrid reaction. I. Characterization of a suppressor cell induced in hybrids by pretreatment with parent-strain spleen cells. Kosmatopoulos K, et al. **Cell Immunol** 1987 Feb; 104(2):304–19

A novel cytotoxic T-cell clone that exhibits differential modes of recognition in the proliferative and cytolytic phase. Kubota K. **Cell Immunol** 1986 Dec;103(2):287–98

Interleukin 2 induces proliferation of normal "resting" human T cells in the absence of other known external stimulation. Lakhanpal S, et al. **Cell Immunol** 1987 Apr 15;106(1):62–75

B-cell activation stimulated by monoclonal anti-Lyb2.1 antibody is mediated through a receptor distinct from the BSF-1 receptor. Laurindo I, et al. **Cell Immunol** 1987 Sep; 108(2):473–82

Simple sugars inhibit proliferation of human T lymphocytes in autologous and allogeneic mixed lymphocyte reactions. Licastro F, et al. **Cell Immunol** 1987 Jun;107(1):15–23

Target cell specificity of human natural killer cells. II. Apparent change with activation. MacDougall SL, et al. **Cell Immunol** 1986 Dec;103(2):352–64

The role of lymphokine-activated cell-associated antigen. II. Distribution and correlation with cell cycle. Nishimura T, et al. **Cell Immunol** 1987 Jun;107(1):24–31

The role of lymphokine-activated cell-associated antigen. III. Inhibition of T-cell activation by monoclonal killer-blocking antibody. Nishimura T, et al. **Cell Immunol** 1987 Jun;107(1):32–9

Allogeneic responses of human fetal (22- to 25-week) peripheral blood lymphocytes: preferential recruitment of cytotoxic effector cells with both CTL activity and NK-like function. Nowill A, et al. **Cell Immunol** 1986 Oct 15;102(2):355–63

Antibodies against I-A and I-E determinants inhibit the activation and function of encephalitogenic T-lymphocyte lines. Offner H, et al. **Cell Immunol** 1986 Jul;100(2):364–73

Cloned protein antigen-specific, Ia-restricted T cells with both helper and cytolytic activities: mechanisms of activation and killing. Ozaki S, et al. **Cell Immunol** 1987 Apr 1;105(2):301–16

Differences of T-cell activation by the anti-CD3 antibodies Leu4 and BMA030. Pichler WJ, et al. **Cell Immunol** 1987 Aug;108(1):175–87

A Thy-1.1-specific monoclonal alloantibody activates both mouse and rat T cells. Pont S, et al. **Cell Immunol** 1987 Jun;107(1):64–73

Lymphocyte activation by oxidative modification: avidin-modified T cells activate biotin-modified autologous T cells but not vice versa. Roffman E, et al. **Cell Immunol** 1986 Nov;103(1):140–6

Activated human lymphocytes secrete a soluble factor that aggregates leukocytes. Rouveix B, et al. **Cell Immunol** 1986 May;99(2):385–94

VSV replication in normal and transformed T cells, an assay for T suppressor cell activation. Rup BJ, et al. **Cell Immunol** 1987 Jan;104(1):190–4

Expression of antigen interaction structures on resting and activated cytotoxic lymphocytes. Russell JH, et al. **Cell Immunol** 1986 Dec;103(2):375–80

The regulation by low-density lipoproteins of the activation of oxidative enzyme-primed lymphocytes is governed by transferrin. Scupham DW, et al. **Cell Immunol** 1987 Sep; 108(2):378–95

Differential requirement for accessory cells in polyclonal T-cell activation. Sopori ML, et al. **Cell Immunol** 1987 Mar;105(1):174–86

Proliferation of human peripheral blood lymphocytes induced by recombinant human interleukin 2: contribution of large granular lymphocytes and T lymphocytes. Talmadge JE, et al. **Cell Immunol** 1986 Oct 15; 102(2):261–72

Activation of autoreactive cytolytic T lymphocyte clone against human melanoma by anti-T3 monoclonal antibody and autologous accessory cells. Tatake RJ, et al. **Cell Immunol** 1987 Aug;108(1):42–52

Sequential metabolic events and morphological changes during in vivo large granular lymphocyte activation and proliferation. Testi R, et al. **Cell Immunol** 1986 Oct 1; 102(1):78–88

Serum-mediated suppression of nonspecific B-cell activation. III. Selective inhibition of the polyclonal B-cell response by normal mouse serum. Walker SM, et al. **Cell Immunol** 1987 Jul;107(2):433–42

Function of T cells from elderly humans: reductions of membrane events and proliferative responses mediated via T3 determinants and diminished elaboration of soluble T-cell factors for B-cell growth. Whisler RL, et al. **Cell Immunol** 1986 May;99(2):422–33

C-reactive protein reduces the promotion of human B-cell colony formation by autoreactive T4 cells and T-cell proliferation during the autologous mixed-lymphocyte reaction. Whisler RL, et al. **Cell Immunol** 1986 Oct 15; 102(2):287–98

The role of cellular proliferation in the induction of experimental autoimmune thyroiditis (EAT) in mice. Williams WV, et al. **Cell Immunol** 1986 Nov;103(1):96–104

Characterization of a T-cell determinant defined by a monoclonal antibody (TH5.2) which is involved in the interleukin-2-producing and proliferative capabilities of T cells. Yoshihara PH, et al. **Cell Immunol** 1987 Aug; 108(1):10–27

Activation of idiotype-specific suppressor T cells by injection of antibody carrying a recurrent idiotype. Zöller M, et al. **Cell Immunol** 1986 Apr 1;98(2):544–51

Remarkable changes in mitogen responsiveness and rosette-forming capacity of thymocytes with aging due to possible disorders of thymic hormone secretion from thymus epithelial cells of spontaneous thymoma Buffalo/Mna rats. Toyokawa T, et al. **Cell Mol Biol** 1987; 33(3):363–74

Calcium ion influx during mitogenic stimulation of lymphocytes. Komada H, et al. **Cell Struct Funct** 1987 Aug; 12(4):345–55

In vitro effects of Bacillus subtilis on the immune response. Ciprandi G, et al. **Chemioterapia** 1986 Dec;5(6):404–7

Lymphocyte subpopulations, activation phenotypes, and spontaneous proliferation in tuberculous pleural effusions. Bergroth V, et al. **Chest** 1987 Mar;91(3):338–41

HLA related genetic control of natural killer activity and aflatoxin B1 suppression of lymphocytic blastogenesis. Wang CY, et al. **Chin Med J [Engl]** 1987 Jan;100(1):29–33

Studies on human blood lymphocytes with iC3b (type 3) complement receptors. II. Characterization of subsets which regulate pokeweed mitogen-induced lymphocyte proliferation and immunoglobulin synthesis. Abo W, et al. **Clin Exp Immunol** 1987 Mar;67(3):544–55

Interleukin 2 production in HTLV-III/LAV infection: evidence of defective antigen-induced, but normal mitogen-induced IL-2 production. Antonen J, et al. **Clin Exp Immunol** 1986 Sep;65(3):489–96

Appearance of spontaneously Ig secreting B cells in human peripheral blood after surgery. Di Padova F, et al. **Clin Exp Immunol** 1986 Sep;65(3):582–8

Selective sensitization of peripheral blood T lymphocytes to hepatitis B core antigen in patients with chronic active hepatitis type B. Ferrari C, et al. **Clin Exp Immunol** 1986 Dec;66(3):497–506

Immunohistological evidence of lymphokine production and lymphocyte activation antigens in tuberculin reactions. Fullmer MA, et al. **Clin Exp Immunol** 1987 Feb; 67(2):383–90

Studies on the accessory requirement for T lymphocyte activation by concanavalin A. Gallagher RB, et al. **Clin Exp Immunol** 1986 Oct;66(1):118–25

Lymphocyte transformation induced by autologous cells: XVIII. Impaired autologous mixed lymphocyte reaction in subjects with AIDS-related complex. Garbrecht FC, et al. **Clin Exp Immunol** 1987 Feb;67(2):245–51

Chronic exercise stress in mice depresses splenic T lymphocyte mitogenesis in vitro. Hoffman-Goetz L, et al. **Clin Exp Immunol** 1986 Dec;66(3):551-7

Endothelial cell enhancement of PWM induced immunoglobulin synthesis by peripheral blood mononuclear cells. King MA, et al. **Clin Exp Immunol** 1986 Sep;65(3):589-97

Preferential activation of helper/inducer T lymphocytes in autoimmune chronic active hepatitis. Lobo-Yeo A, et al. **Clin Exp Immunol** 1987 Jan;67(1):95-104

Thyroid stimulating immunoglobulin (TSI) synthesis by pokeweed mitogen (PWM) stimulated peripheral blood lymphocytes (PBL) from Graves' disease (GD) patients. Pautard B, et al. **Clin Exp Immunol** 1986 Nov;66(2):435-42

Abnormalities of interleukin 2 receptor expression associated with decreased antigen-induced lymphocyte proliferation in patients with AIDS and related disorders. Prince HE, et al. **Clin Exp Immunol** 1987 Jan;67(1):59-65

Mitogenic response of human thymocytes: identification of functional Ca2+-dependent and independent signals. Roifman CM, et al. **Clin Exp Immunol** 1986 Oct;66(1):139-49

Mitogenic activity of extracellular cationic products produced by group A streptococci; analysis of the lymphocyte response. Suzuki M, et al. **Clin Exp Immunol** 1986 Oct;66(1):132-8

Impairment of T cell activation in burn patients: a possible mechanism of thermal injury-induced immunosuppression. Teodorczyk-Injeyan JA, et al. **Clin Exp Immunol** 1986 Sep;65(3):570-81

Responses of 'mature' human B lymphocyte lines to inducers of maturation and activation. Zola H, et al. **Clin Exp Immunol** 1986 Nov;66(2):373-83

Requirement for mitogen, T cell-accessory cell contact, and interleukin 1 in the induction of resting T-cell proliferation. Chatila TA, et al. **Clin Immunol Immunopathol** 1987 Aug;44(2):235-47

Does normal lymphocyte DNA synthesis in response to PHA exclude cell-mediated immunodepression? Dirienzo W, et al. **Clin Immunol Immunopathol** 1986 Nov;41(2):227-35

Differences in sensitivity to melphalan between con A-activated and nonactivated human T-cell subsets. Komlos L, et al. **Clin Immunol Immunopathol** 1987 Oct;45(1):105-13

The proliferative response of human peripheral blood lymphocytes to group A streptococcal vaccine. Morell A, et al. **Clin Immunol Immunopathol** 1987 Jun;43(3):314-24

Molecular signaling mechanisms in T-lymphocyte activation pathways: a review and future prospects. Nel AE, et al. **Clin Immunol Immunopathol** 1987 Aug;44(2):167-86 (173 ref.)

Primary syngeneic sensitization on monolayers of thyroid epithelial cells. X. Inhibition of T-cell proliferative response by thyroglobulin-specific monoclonal antibodies. Salamero J, et al. **Clin Immunol Immunopathol** 1987 Apr;43(1):34-47

Requirements for activation of human peripheral blood T cells by mouse monoclonal antibodies to CD3. Umetsu DT, et al. **Clin Immunol Immunopathol** 1987 Apr;43(1):48-64

Suppression of human lymphocyte proliferation by activated neutrophils or H2O2: surviving cells have an altered T helper/T suppressor ratio and an increased resistance to secondary oxidant exposure. Zoschke DC, et al. **Clin Immunol Immunopathol** 1987 Feb;42(2):160-70

Transduction of signals in the activation of T lymphocytes: relation to leukemia. Hadden JW. **Clin Physiol Biochem** 1987;5(3-4):210-21

Failure to detect a lymphocyte imbalance during acute attacks of palindromic rheumatism [letter] Barbieri P, et al. **Clin Rheumatol** 1987 Mar;6(1):102-3

Immunomodulatory effect of serum on lymphocytes--consequences for the study of immunostimulants in vitro and in vivo. Barta O. **Comp Immunol Microbiol Infect Dis** 1986;9(2-3):193-203 (48 ref.)

Exploration of the cellular mediated immunity by the blastogenesis test during chronic brucellosis in human. Person JM, et al. **Comp Immunol Microbiol Infect Dis** 1987;10(1):1-8

Effects of cryopreservation on the mononuclear cells of patients with lung cancer and normal controls. Venkataraman M, et al. **Cryobiology** 1987 Apr;24(2):103-11

Class II induction of human corneal fibroblasts by cell-free supernatants from HSV stimulated lymphocytes. Young E, et al. **Curr Eye Res** 1987 Jan;6(1):141-4

Interleukin-4 (B cell growth factor-II/eosinophil differentiation factor) is a mitogen and differentiation factor for preactivated murine B lymphocytes. O'Garra A, et al. **Curr Top Microbiol Immunol** 1986;132:133-41

Simultaneous increased expression of E-rosette receptor (CD2, T11) and T cell growth factor receptor on human T lymphocytes during activation. Redelman D. **Cytometry** 1987 Mar;8(2):170-83

Serum inhibition of lymphocyte proliferative responses to mitogens in psoriasis. Mobacken H, et al. **Dermatol Monatsschr** 1986;172(12):707-13

Effects of serial TB skin testing on tuberculin (TB) parameters. Lesourd B, et al. **Dev Biol Stand** 1986;58 (Pt B):663-70

Age-related change of spleen cells participating in MHC-homozygous F1 anti-parent mixed lymphocyte reactions. Hosono M, et al. **Dev Comp Immunol** 1986 Fall;10(4):585-95

Polyclonal activation of salmonid B lymphocytes. Kaattari SL, et al. **Dev Comp Immunol** 1987 Winter;11(1):155-65

Lymphocyte subsets and activation in prediabetes. Hitchcock CL, et al. **Diabetes** 1986 Dec;35(12):1416-22

Immunology in diabetic pregnancy: activated T cells in diabetic mothers and neonates. Di Mario U, et al. **Diabetologia** 1987 Feb;30(2):66-71

Use of whole blood methods in assessment of immune parameters in immunodeficiency states. Fletcher MA, et al. **Diagn Clin Immunol** 1987;5(2):69-81

T cells in patients undergoing chronic hemodialysis: mitogenic response, suppressor activity, and interleukin-2 production and receptor generation. Raskova J, et al. **Diagn Immunol** 1986;4(4):209-16

Perforin is present only in normal activated Lyt2+ T lymphocytes and not in L3T4+ cells, but the serine protease granzyme A is made by both subsets. Garcia-Sanz JA, et al. **EMBO J** 1987 Apr;6(4):933-8

Role of G-proteins in T cell activation: non-hydrolysable GTP analogues induce early ornithine decarboxylase activity in human T lymphocytes. Mustelin T, et al. **EMBO J** 1986 Dec 1;5(12):3287-90

Directed Ig class switch recombination in activated murine B cells. Winter E, et al. **EMBO J** 1987 Jun;6(6):1663-71

Activated lymphocytes in patients with newly diagnosed type 1 (insulin-dependent) diabetes mellitus. Sugihara S, et al. **Endocrinol Jpn** 1986 Jun;33(3):385-93

Lymphocyte response to Klebsiella in ankylosing spondylitis. Gross WL, et al. **Eur J Clin Invest** 1986 Oct;16(5):338-46

Role of activated T lymphocytes in mycosis fungoides. Wehrmann W, et al. **Eur J Clin Microbiol** 1987 Apr;6(2):210-1

"In vivo" activated splenic T cells are refractory to interleukin 2 growth "in vitro"Bandeira A, et al. **Eur J Immunol** 1987 Jul;17(7):901-8

Epstein-Barr virus mediates a switch in responsiveness to transforming growth factor, type beta, in cells of the B cell lineage. Blomhoff HK, et al. **Eur J Immunol** 1987 Feb;17(2):299-301

A novel 90-kDa polypeptide (Tp90) possibly involved in an antigen-independent pathway of T cell activation. Carrel S, et al. **Eur J Immunol** 1987 Jun;17(6):835-41

Involvement of the CD4 molecule in a post-activation event on T cell proliferation. Carrera AC, et al. **Eur J Immunol** 1987 Feb;17(2):179-86

A functional idiotypic network of T helper cells and antibodies, limited to the compartment of "naturally" activated lymphocytes in normal mice. Coutinho A, et al. **Eur J Immunol** 1987 Jun;17(6):821-5

Interleukin 2 pathway is autonomously activated in human T11+3-4-6-8- thymocytes. De la Hera A, et al. **Eur J Immunol** 1987 May;17(5):683-7

Early events in human B cell activation: metabolic pathways vary according to the first signal used. Dugas B, et al. **Eur J Immunol** 1986 Dec;16(12):1609-14

Selective up-regulation by interferon-gamma of surface molecules of the Ly-6 complex in resting T cells: the Ly-6A/E and TAP antigens are preferentially enhanced. Dumont FJ, et al. **Eur J Immunol** 1987 Aug;17(8):1183-91

Effective activation of resting mouse T lymphocytes by cross-linking submitogenic concentrations of the T cell antigen receptor with either Lyt-2 or L3T4. Eichmann K, et al. **Eur J Immunol** 1987 May;17(5):643-50

Cross-linking of the T cell receptor complex with the subset-specific differentiation antigen stimulates interleukin 2 receptor expression in human CD4 and CD8 T cells. Emmrich F, et al. **Eur J Immunol** 1987 Apr;17(4):529-34

Possible T4-HLA class II interaction as an essential event in antigen-specific helper T lymphocyte-dependent B cell activation. Fischer A, et al. **Eur J Immunol** 1986 Sep;16(9):1111-6

An antigen-independent physiological activation pathway for L3T4+ T lymphocytes. Germann T, et al. **Eur J Immunol** 1987 Jun;17(6):775-81

Activation of lymphokine genes during stimulation of cloned T cells. Herold KC, et al. **Eur J Immunol** 1986 Dec;16(12):1533-8

Differences in the recruitment of virgin B cells into antibody responses to thymus-dependent and thymus-independent type-2 antigens. Lane PJ, et al. **Eur J Immunol** 1986 Dec;16(12):1569-75

T90/44 (9.3 antigen). A cell surface molecule with a function in human T cell activation. Lesslauer W, et al. **Eur J Immunol** 1986 Oct;16(10):1289-96

Long-lived B cells: mitogen reactivity as a tool for studying their life-spans. Lévy M, et al. **Eur J Immunol** 1987 Feb;17(2):295-8

Antigen-specific activation of autoreactive B cells in normal human individuals. Logtenberg T, et al. **Eur J Immunol** 1986 Dec;16(12):1497-501

Activation of B lymphocytes by Epstein-Barr virus/CR2 receptor interaction. Masucci MG, et al. **Eur J Immunol** 1987 Jun;17(6):815-20

Modulation of surface T11 molecules induced by monoclonal antibodies: analysis of the functional relationship between antigen-dependent and antigen-independent pathways of human T cell activation. Moretta A, et al. **Eur J Immunol** 1986 Nov;16(11):1427-32

Anti-CD2 (sheep red blood cell receptor) monoclonal antibodies and T cell activation. I. Pairs of anti-T11.1 and T11.2 (CD2 subgroups) are strongly mitogenic for T cells in presence of 12-O-tetradecanoylphorbol 13-acetate. Olive D, et al. **Eur J Immunol** 1986 Sep;16(9):1063-8

Signal transducing mechanisms involved in human T cell activation via surface T44 molecules. Comparison with signals transduced via the T cell receptor complex. Pantaleo G, et al. **Eur J Immunol** 1986 Dec;16(12):1639-42

Lymphoma models for B cell activation and tolerance. IV. Growth inhibition by anti-Ig of CH31 and CH33 B lymphoma cells. Pennell CA, et al. **Eur J Immunol** 1986 Dec;16(12):1577-81

CD3+ WT31- peripheral T lymphocytes lack T44 (CD28), a surface molecule involved in activation of T cells bearing the alpha/beta heterodimer. Poggi A, et al. **Eur J Immunol** 1987 Jul;17(7):1065-8

Accessory molecules and T cell activation. II. Antibody binding to L3T4a inhibits Ia-independent mouse T cell proliferation. Pont S, et al. **Eur J Immunol** 1987 Mar;17(3):429-32

Expression of Fc epsilon receptors on activated human T lymphocytes. Prinz JC, et al. **Eur J Immunol** 1987 Jun;17(6):757-61

Alternative pathway of complement activation by stimulated T lymphocytes. II. Elevation of cytotoxic potential against complement receptor-carrying cell lines. Ramos OF, et al. **Eur J Immunol** 1987 Jul;17(7):975-9

T cell activation by anti-idiotypic antibody: mechanism of interaction with antigen-reactive T cells. Rees AD, et al. **Eur J Immunol** 1987 Feb;17(2):197-201

Accessory molecules and T cell activation. I. Antigen receptor avidity differentially influences T cell sensitivity to inhibition by monoclonal antibodies to LFA-1 and L3T4. Regnier-Vigouroux A, et al. **Eur J Immunol** 1986 Nov;16(11):1385-90

Insulin-specific T cell help to TNP-specific B cells requires activation via the antigen T cell receptor. Rubin B, et al. **Eur J Immunol** 1986 Oct;16(10):1223-9

Alternative pathway of complement activation by stimulated T lymphocytes. I. Binding of C3 fragments. Sármay G, et al. **Eur J Immunol** 1987 Jul;17(7):969-74

Function of the LFA-1 and T4 molecules in the direct activation of resting human B lymphocytes by T lymphocytes. Tedder TF, et al. **Eur J Immunol** 1986 Dec;16(12):1539-43

Granzyme A secretion by normal activated Lyt-2+ and L3T4+ T cells in response to antigenic stimulation. Velotti F, et al. **Eur J Immunol** 1987 Aug;17(8):1095-9

Limiting dilution assay for human B cells based on their activation by mutant EL4 thymoma cells: total and antimalaria responder B cell frequencies. Wen L, et al. **Eur J Immunol** 1987 Jun;17(6):887-92

Activated T cells in normal pregnant women and neonates. Gargiulo P, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Nov;23(3-4):127-35

Lymphocyte transformation test in a group of foundry workers exposed to beryllium and non-exposed controls. Bargon J, et al. **Eur J Respir Dis [Suppl]** 1986;146:211-5

The selective activation of T8+ cells by neuraminidase and galactose oxidase is mediated by activated T4+ cells. Akeson AL, et al. **Exp Cell Res** 1987 May;170(1):129-46

Induction of the pyridine nucleotide synthesis pathway in mitogen-stimulated human T-lymphocytes. Berger SJ, et al. **Exp Cell Res** 1987 Mar;169(1):149-57

Colcemid inhibits growth during early G1 in normal but not in tumorigenic lymphocytes. Kenter AL, et al. **Exp Cell Res** 1986 Nov;167(1):241-51

Calmodulin in lymphocyte mitogenic stimulation and in lymphoid cell line growth. Rainteau D, et al. **Exp Cell Res** 1987 Feb;168(2):546-54

Monoclonal antibodies to HLA-DP, DQ, and DR determinants: functional effects on the activation and proliferation of normal and EBV-transformed B cells. Howard DR, et al. **Exp Hematol** 1986 Oct;14(9):887-95

Distinct roles for L3T4 in T cell activation. Greenstein JL, et al. **Fed Proc** 1987 Feb;46(2):313-6

Suppression of cell proliferation after incubation of allogeneically stimulated mouse lymphocytes with concanavalin A: serological analysis of cell subpopulations involved. Hückel C, et al. **Folia Biol (Praha)** 1987;33(3):191-9

Proliferation and immunoglobulin synthesis of peripheral blood mononuclear cells from patients with chronic liver disease stimulated by Staphylococcus aureus Cowan 1 and interleukin 2. Kakumu S, et al. **Gastroenterol Jpn** 1987 Jun;22(3):337-43

Organ weights, T-cell proliferation, and graft vs host capabilities of hypothyroidic chickens. Scott T, et al. **Gen Comp Endocrinol** 1987 Aug;67(2):270-6

Activation of peripheral blood and intestinal lamina propria lymphocytes in Crohn's disease. In vivo state of activation and in vitro response to stimulation as defined by the expression of early activation antigens. Pallone F, et al. **Gut** 1987 Jun;28(6):745-53

In vitro effects of adenosine induced supernatants on human T lymphocyte functions. Pardi R, et al. **Haematologica (Pavia)** 1987 May-Jun;72(3):215-20

Lymphocyte proliferative enhancing or inhibiting factors released by four human myeloid cell lines. Perocco P, et al. **Haematologica (Pavia)** 1987 May-Jun;72(3):209-13

Immune functions of former poison gas workers. I. Mitogenic response of lymphocytes and serum factors. Yamakido M, et al. **Hiroshima J Med Sci** 1986 Jun;35(2):117-26

The HLA-class II-associated chondroitin sulfate

proteoglycan expressed by class II positive T and monocyte-like cell lines is larger than that expressed by EBV-transformed B-lymphoblastoid cell lines. Bono C, et al. **Hum Immunol** 1987 Apr;18(4):315–30

Activated human T cells can present denatured antigen. Gerrard TL, et al. **Hum Immunol** 1986 Dec;17(4):416–25

Identification of a new lymphocyte subset surface antigen, the expression of which disappears after in vitro and in vivo stimulation. Distribution, biochemistry, and functional studies. Koning F, et al. **Hum Immunol** 1986 Nov; 17(3):325–42

Antigen presentation by adherent cells from human peripheral blood. Correlation between T-cell activation and expression of HLA-DQ and -DR antigens. Nunez G, et al. **Hum Immunol** 1987 May;19(1):29–39

Dissection of suppressor cell generation in vitro. Pawelec G, et al. **Hum Immunol** 1986 Nov;17(3):343–54

Analysis of the biological functions and fine specificity of (T,G)-A--L specific T cell clones. Axelrod O, et al. **Immunobiology** 1986 Aug;172(1–2):99–109

Metabolic alterations associated with proliferation of mitogen-activated lymphocytes and of lymphoblastoid cell lines: evaluation of glucose and glutamine metabolism. Brand K, et al. **Immunobiology** 1986 Oct;173(1):23–34

Accessory cell dependent T lymphocyte proliferation: potent activity of dendritic cells. Goodell EM, et al. **Immunobiology** 1987 Jan;174(1):30–42

Stimulation of human lymphocytes by oxidized red blood cells (RBC) in the presence of polyethylene glycol (PEG). Ocklind G. **Immunobiology** 1987 Jan;174(1):20–9

Concanavalin A responsiveness and interleukin 2 production in the snake Spalerosophis diadema. el Ridi R, et al. **Immunobiology** 1987 Mar;174(2):177–89

Measurement of cell-mediated immunity against bovine papilloma virus by lymphoproliferative reactions. Walter M, et al. **Immunobiology** 1987 Mar;174(2):244–50

Lymphocyte activation by the Fc region of immunoglobulins. Morgan EL, et al. **Immunol Invest** 1986 Nov;15(7):625–87 (236 ref.)

Functionally involved cell surface antigens on murine lymphokine activated killer cells. Belfrage H, et al. **Immunol Lett** 1987 Apr;14(4):293–8

Replacement of transferrin in serum-free cultures of mitogen-stimulated mouse lymphocytes by a lipophilic iron chelator. Brock JH, et al. **Immunol Lett** 1987 May; 15(1):23–5

Clonal activation of cytotoxic lymphocyte precursors by monoclonal anti-CD3 antibody: analysis of feeder cell requirements. Brucker C, et al. **Immunol Lett** 1987 Jan; 14(2):121–5

Isolation of follicular dendritic cells from human tonsils and adenoids. V. Effect on lymphocyte proliferation and differentiation. Cormann N, et al. **Immunol Lett** 1986 Nov 17;14(1):29–35

Involvement of complement in B-cell, T-cell and monocyte/macrophage activation. Dierich MP, et al. **Immunol Lett** 1987 Feb;14(3):235–42 (49 ref.)

Alpha 1-acid glycoprotein (alpha 1-AGP) on the membrane of human lymphocytes: possible involvement in cellular activation. Dirienzo W, et al. **Immunol Lett** 1987 Jun; 15(2):167–70

Interleukin-1-like activity in human cerebrospinal fluid. Gorczynski RM, et al. **Immunol Lett** 1986 Oct 15; 13(5):231–5

A new mathematical model of proliferation control during immune response. Přikrylová D, et al. **Immunol Lett** 1986 Nov 3;13(6):317–21

Dynamics of allospecific T lymphocyte infiltration in vascularized human allografts. Fung JJ, et al. **Immunol Res** 1986;5(2):149–63

Activation-specific interactions among B-lymphocyte plasma membrane proteins. Goodman MG, et al. **Immunol Res** 1986;5(1):71–8

Regulation of T cell activation by leukotriene B4. Goodwin JS. **Immunol Res** 1986;5(3):233–48 (69 ref.)

Surface antigens associated with human B cell activation. Jung LK. **Immunol Res** 1986;5(4):249–62 (87 ref.)

I-J-positive cloned macrophages as accessory cells for the induction of suppressor T cells in vitro. Nakamura RM, et al. **Immunol Res** 1986;5(2):106–16

Cell-cell interaction responsible for the induction of first order suppressor T cells in hapten-specific contact sensitivity reactions. Nakamura Y, et al. **Immunol Res** 1986; 5(2):117–28

Models and mechanisms for signal transduction in B cells. Pennell CA, et al. **Immunol Res** 1986;5(1):61–70

Activation antigens and signal transduction in lymphocyte activation. **Immunol Rev** 1987 Feb;95:1–194

Transmembrane signals and intracellular "second messengers" in the regulation of quiescent B-lymphocyte activation. Cambier JC, et al. **Immunol Rev** 1987 Feb;95:37–57 (75 ref.)

B-lymphocyte signal transduction in response to anti-immunoglobulin and bacterial lipopolysaccharide. DeFranco AL, et al. **Immunol Rev** 1987 Feb;95:161–76 (60 ref.)

Transmembrane ion fluxes during activation of human T lymphocytes: role of Ca2+, Na+/H+ exchange and phospholipid turnover. Gelfand EW, et al. **Immunol Rev** 1987 Feb;95:59–87 (80 ref.)

Antibody repertoires of normal BALB/c mice: B lymphocyte populations defined by state of activation. Holmberg D, et al. **Immunol Rev** 1986 Oct;93:147–69

T-lymphocyte activation: the role of protein kinase C and the bifurcating inositol phospholipid signal transduction pathway. Isakov N, et al. **Immunol Rev** 1987 Feb;95:89–111 (70 ref.)

Reciprocity in lymphocyte interactions. Julius MH. **Immunol Rev** 1987 Feb;95:177–94 (55 ref.)

Signal transduction in human T lymphocytes. Linch DC, et al. **Immunol Rev** 1987 Feb;95:137–59 (55 ref.)

Enhancement of the B-cell response to Staphylococcus aureus Cowan strain I by natural human gamma interferon. Aoki N, et al. **Immunology** 1987 Jan;60(1):51–5

Kinetics of prostaglandin E2 and thromboxane A2 synthesis and suppression of PHA-stimulated peripheral blood mononuclear leucocytes. Awara W, et al. **Immunology** 1986 Dec;59(4):557–62

Suppression of human lymphocyte responses by Trypanosoma cruzi. Beltz LA, et al. **Immunology** 1987 Feb; 60(2):309–15

Co-expression of CD4 and CD8 molecules and de novo expression of MHC class II antigens on activated rat T cells. Bevan DJ, et al. **Immunology** 1986 Dec;59(4):621–5

Occurrence of autoantibodies to intermediate filament proteins in human visceral leishmaniasis and their induction by experimental polyclonal B-cell activation. Böhme MW, et al. **Immunology** 1986 Dec;59(4):583–8

Activation of B chronic lymphocytic leukaemia cells by Branhamella catarrhalis. Calvert JE, et al. **Immunology** 1987 Jan;60(1):45–50

Inositol lipid metabolism in human T lymphocytes activated via the T3 complex. Cockcroft S, et al. **Immunology** 1987 Feb;60(2):209–12

Effect of cytokines on specific in vitro immunization of human peripheral B lymphocytes against T-cell dependent antigens. Danielsson L, et al. **Immunology** 1987 May; 61(1):51–5

T-24.B-cell differentiation factor induces immunoglobulin secretion in human B cells without prior cell replication. Gallagher G, et al. **Immunology** 1987 Apr;60(4):523–9

Triggering of B lymphocytes through CD23: epitope mapping and studies using antibody derivatives indicate an allosteric mechanism of signalling. Gordon J, et al. **Immunology** 1987 Apr;60(4):517–21

Functional differences and complementation between dendritic cells and macrophages in T-cell activation. Guidos C, et al. **Immunology** 1987 Jul;61(3):269–76

The mechanism of action of the factor in leprosy serum that inhibits the growth of mitogen-stimulated normal human lymphocytes. Hussein YM, et al. **Immunology** 1987 Jun; 61(2):125–9

A role of L3T4+ antigen in the Con A response of regenerating splenic L3T4+ T cells after Cy treatment. Ikezawa Z, et al. **Immunology** 1987 Mar;60(3):375–82

The contribution of B-cell proliferation to spleen enlargement in Babesia microti-infected mice. Inchley CJ. **Immunology** 1987 Jan;60(1):57–61

Acquisition of cell-mediated immunity to Leishmania. I. Primary T-cell activation detected by IL-2 receptor expression. Kaye PM. **Immunology** 1987 Jul;61(3):345–9

Characterization of a factor in leprosy serum that inhibits the growth of mitogen-stimulated normal human lymphocytes. Kerr MA, et al. **Immunology** 1987 Jun; 61(2):117–23

Polyclonal B-cell activation by a synthetic analogue of bacterial lipoprotein is functionally different from activation by bacterial lipopolysaccharide. Kleine B, et al. **Immunology** 1987 May;61(1):29–34

Human T lymphocytes stimulated by phytohaemagglutinin undergo a single round of cell division without a requirement for interleukin-2 or accessory cells. Mire-Sluis AR, et al. **Immunology** 1987 Jan;60(1):7–12

Inhibitory mechanism of the proliferative responses of resting B cells: feedback regulation by a lymphokine (suppressive B-cell factor) produced by Fc receptor-stimulated B cells. Ohno T, et al. **Immunology** 1987 May;61(1):35–41

Immunoglobulin production of human lymphocytes stimulated by Staphylococcus aureus Cowan I and pokeweed mitogen: differential effects of recombinant interleukin-2. Pryjma J, et al. **Immunology** 1986 Dec; 59(4):485–9

T-cell activation by anti-idiotypic antibody: evidence for the internal image. Rees AD, et al. **Immunology** 1987 Mar; 60(3):389–93

Frequency of B-lymphocyte transformation by Epstein-Barr virus decreases with entry into the cell cycle. Roome AJ, et al. **Immunology** 1987 Feb;60(2):195–201

Specific stimulation of lymphocytes from patients with AIDS by herpes simplex virus antigens. Wainberg MA, et al. **Immunology** 1987 Feb;60(2):275–80

Heterogeneity in the activation requirements of T cells stimulated by phytohaemagglutinin. Warren HS, et al. **Immunology** 1987 Jun;61(2):167–72

Antigen-specific T-cell hyporesponsiveness in MRL congenic mice can be explained by two independent cellular defects. Waterfield JD, et al. **Immunology** 1987 Jun; 61(2):173–8

OKT3-activated locomotion of human blood lymphocytes: a phenomenon requiring contact of T cells with Fc receptor-bearing cells. Wilkinson PC, et al. **Immunology** 1987 Mar;60(3):445–51

Accessory cell requirements in mitogen-induced rabbit T lymphocyte proliferation in an improved tissue culture system. Stiekema FE, et al. **In Vitro Cell Dev Biol** 1987 Apr;23(4):253–6

Phytohaemagglutinin mediated activation of bat (Pteropus giganteus) lymphocytes. Paul BN, et al. **Indian J Exp Biol** 1987 Jan;25(1):1–4

Cellular unresponsiveness in patients with soluble circulating antigens in bancroftian filariasis. Dasgupta A, et al. **Indian J Med Res** 1987 Feb;85:136–9

Lymphocyte subpopulations & blast transformation studies in experimental hydatidosis. Wangoo A, et al. **Indian J Med Res** 1987 Feb;85:149–53

Strong mitogenic effect for murine B lymphocytes of an immunosuppressor substance released by Streptococcus intermedius. Arala-Chaves MP, et al. **Infect Immun** 1986 Nov;54(2):543–8

Serum-mediated suppression of lymphocyte transformation responses in coccidioidomycosis. Cox RA, et al. **Infect Immun** 1987 May;55(5):1058–62

Spontaneous production of thymocyte-activating factor by human gingival fibroblasts and its autoregulatory effect on their proliferation. Ohmori Y, et al. **Infect Immun** 1987 Apr; 55(4):947–54

Polyclonal response of human lymphocytes to Chlamydia trachomatis. Räsänen L, et al. **Infect Immun** 1986 Oct; 54(1):28–31

Evidence for an activated subpopulation of T8-bearing cells in male homosexuals with lymphadenopathy. Hillman J, et al. **Int Arch Allergy Appl Immunol** 1987;84(1):18–24

Interleukin-2 responses of MRL/lpr mouse splenocytes and lymph node cells induced by TPA and A23187. Katagiri T, et al. **Int Arch Allergy Appl Immunol** 1987;83(2):167–73

Accessory molecules in T lymphocyte activation. Miller JF. **Int Arch Allergy Appl Immunol** 1987;82(3–4):302–6 (18 ref.)

Enhanced mitogenic reactivity of human T cells after passage through the thymus. Response to phytohemagglutinin and mercuric chloride. Nordlind K, et al. **Int Arch Allergy Appl Immunol** 1987;83(2):190–2

Activity of deoxyribonucleoside-activated nucleotidase in cells from various lymphoid mouse tissues and in concanavalin A-stimulated lymphocytes. Haugen TB, et al. **Int J Biochem** 1986;18(11):965–70

Progenitor and pre-B lymphocytes transformed by Epstein-Barr virus. Ernberg I, et al. **Int J Cancer** 1987 Feb 15;39(2):190–7

Phenotype versus immunoglobulin and T-cell receptor genotype of Hodgkin-derived cell lines: activation of immature lymphoid cells in Hodgkin's disease. Falk MH, et al. **Int J Cancer** 1987 Aug 15;40(2):262–9

EBV-negative and -positive Burkitt cell lines variably express receptors for B-cell activation and differentiation. Favrot MC, et al. **Int J Cancer** 1986 Dec 15;38(6):901–6

Presence of in vivo-activated T-cells expressing HLA-DR molecules and IL-2 receptors in peripheral blood of patients with nasopharyngeal carcinoma. Lakhdar M, et al. **Int J Cancer** 1987 Jun 15;39(6):663–9

Generation of activated killer cells in tumor-bearing hosts. Ting CC, et al. **Int J Cancer** 1987 Feb 15;39(2):232–9

Autologous mixed lymphocyte-tumor reaction and autologous mixed lymphocyte reaction. I. Proliferation of two distinct T-cell subsets. Uchida A, et al. **Int J Cancer** 1987 Aug 15;40(2):165–70

In vitro immunomodulatory effects of interleukin-2 and thymosin fraction V in acquired immune deficiency syndrome. Reddy MM, et al. **Int J Immunopharmacol** 1987; 9(4):483–8

Enhancement of lymphocyte proliferation, interleukin-2 production and NK activity by immunoferon (AM-3), a fungal immunomodulator: variations in normal and immunosuppressed mice. Rojo JM, et al. **Int J Immunopharmacol** 1986;8(6):593–7

Nocardia water soluble mitogen (NWSM), a human B-lymphocyte mitogen. Silvennoinen-Kassinen S, et al. **Int J Immunopharmacol** 1986;8(8):943–9

Selective effects of human cord serum on distinct events of the lectin-induced activation and proliferation of thymic T-cells. Simić MM, et al. **Int J Immunopharmacol** 1986; 8(7):763–71

An unusual case of untreated lepromatous leprosy with rare bacilli: an immunologic follow-up [letter] Gelber RH, et al. **Int J Lepr Other Mycobact Dis** 1987 Jun;55(2):353–4

Assessment of the immune deficit in leprosy patients and the effect of recombinant IL-2 in vitro. Locniskar M, et al. **Int J Lepr Other Mycobact Dis** 1987 Jun;55(2):249–60

Protein fraction from Trypanosoma cruzi infected spleen cell supernatants with immunosuppressive activity in vitro. Serrano LE, et al. **Int J Parasitol** 1987 Feb;17(3):851–61

Corneal neovascularization induced by stimulated lymphocytes in inbred mice. Epstein RJ, et al. **Invest Ophthalmol Vis Sci** 1987 Sep;28(9):1505–13

Spontaneous suppressor cell activity in patients with the acquired immune deficiency syndrome and associated conditions. Katner HP, et al. **J Allergy Clin Immunol** 1987 Feb;79(2):364–70

The human T3 gamma chain is phosphorylated at serine 126 in response to T lymphocyte activation. Davies AA, et al. **J Biol Chem** 1987 Aug 15;262(23):10918–21

"Numatrin," a nuclear matrix protein associated with induction of proliferation in B lymphocytes. Feuerstein N, et al. **J Biol Chem** 1987 Aug 15;262(23):11389–97

Signals for activation and proliferation of murine T lymphocyte clones. Koyasu S, et al. **J Biol Chem** 1987 Apr 5;262(10):4689–95

Comparison in sensitized and unsensitized guinea-pigs of tuberculin PPDs RT 23 and PPD-M by skin tests and lymphocyte stimulation tests. Effect of immunization time. Haslov K, et al. **J Biol Stand** 1986 Apr;14(2):143–52

Reversal of defective lymphoproliferation in postoperative patients with colon cancer. Schindler L, et al. **J Cancer Res Clin Oncol** 1987;113(2):166–70

Normal suppresive T cell function of Epstein-Barr virus-induced B cell activation in Graves' disease. Kahan A, et al. **J Clin Endocrinol Metab** 1987 Sep;65(3):555–60

Interleukin-2 effects on human B cells activated in vivo. Miyawaki T, et al. **J Clin Immunol** 1987 Jul;7(4):277–87

Lymphocyte subpopulation profiles and mitogen kinetics in immunological deficiency testing. Radvany RM, et al. **J Clin Immunol** 1987 Jul;7(4):312–8

Monocyte-T lymphocyte interaction for regulation of insulin receptors of the activated T lymphocyte. Helderman JH, et al. **J Clin Invest** 1987 Feb;79(2):566–71

Reversal of lymphocyte activation in vivo in the Kawasaki syndrome by intravenous gammaglobulin. Leung DY, et al. **J Clin Invest** 1987 Feb;79(2):468–72

Idiotypic markers of polyclonal B cell activation. Public idiotypes shared by monoclonal antibodies derived from patients with systemic lupus erythematosus or leprosy. Mackworth-Young C, et al. **J Clin Invest** 1987 Feb; 79(2):572–81

Selective blockade of the antigen-receptor-mediated pathway of T cell activation in patients with impaired primary immune responses. Meuer SC, et al. **J Clin Invest** 1987 Sep;80(3):743–9

Mitogen induced lymphoproliferative responses and lymphocyte sub-populations in patients with sickle cell disease. Escalona E, et al. **J Clin Lab Immunol** 1987 Apr; 22(4):191–6

Effects of mixed bacterial toxins on immune response. Grossman CJ, et al. **J Clin Lab Immunol** 1987 Mar; 22(3):139–43

Lymphocyte activation in vivo in the intestinal mucosa of patients with Crohn's disease. Konttinen YT, et al. **J Clin Lab Immunol** 1987 Feb;22(2):59–63

Lymphocyte responsiveness and interleukin 2 production in type 1 (insulin-dependent) diabetes mellitus. Surcel HM, et al. **J Clin Lab Immunol** 1987 Apr;22(4):163–4

Surface marker studies on activated peripheral blood lymphocytes in idiopathic dilated cardiomyopathy. Takamoto T, et al. **J Clin Lab Immunol** 1987 Apr; 22(4):157–61

High production of the acquired immunodeficiency syndrome virus (lymphadenopathy-associated virus) by human T lymphocytes stimulated by streptococcal mitogenic toxins. Alouf JE, et al. **J Clin Microbiol** 1986 Oct;24(4):639–41

Interleukin 2 and gamma interferon production, interleukin 2 receptor expression, and DNA synthesis induced by tularemia antigen in vitro after natural infection or vaccination. Karttunen R, et al. **J Clin Microbiol** 1987 Jun; 25(6):1074–8

Immunospecific T-lymphocyte stimulation by membrane proteins from Francisella tularensis. Sandström G, et al. **J Clin Microbiol** 1987 Apr;25(4):641–4

Evidence for monoclonal T lymphocyte proliferation in angioimmunoblastic lymphadenopathy. O'Connor NT, et al. **J Clin Pathol** 1986 Nov;39(11):1229–32

Blastogenetic responsiveness of peripheral blood lymphocytes from patients with adult periodontitis, evaluated by a reverse hemolytic plaque assay. Kopp W, et al. **J Clin Periodontol** 1986 Oct;13(9):805–9

The autologous mixed lymphocyte reaction (AMLR) as a possible indicator of immunoregulation in chronic inflammatory periodontal disease. Seymour GJ, et al. **J Clin Periodontol** 1986 Aug;13(7):639–45 (89 ref.)

Enhancement of immune response in mice fed with Streptococcus thermophilus and Lactobacillus acidophilus. Perdigon G, et al. **J Dairy Sci** 1987 May;70(5):919–26

Antigen-specific, MHC nonrestricted T helper cell–induced B cell activation. Friedman SM, et al. **J Exp Med** 1986 Nov 1;164(5):1773–8

Human T cell activation. III. Rapid induction of a phosphorylated 28 kD/32 kD disulfide-linked early activation antigen (EA 1) by 12-o-tetradecanoyl phorbol-13-acetate, mitogens, and antigens. Hara T, et al. **J Exp Med** 1986 Dec 1;164(6):1988–2005

Direct activation of CD8+ cytotoxic T lymphocytes by dendritic cells. Inaba K, et al. **J Exp Med** 1987 Jul 1; 166(1):182–94

The isolation and sequence of a novel gene from a human functional T cell line. Jongstra J, et al. **J Exp Med** 1987 Mar 1;165(3):601–14

Systemic autoimmune disease arises from polyclonal B cell activation. Klinman DM, et al. **J Exp Med** 1987 Jun 1; 165(6):1755–60

Sialophorin, a surface sialoglycoprotein defective in the Wiskott-Aldrich syndrome, is involved in human T lymphocyte proliferation. Mentzer SJ, et al. **J Exp Med** 1987 May 1;165(5):1383–92

Interleukin 4 (B cell stimulatory factor 1) can mediate the induction of lymphokine-activated killer cell activity directed against fresh tumor cells. Mulé JJ, et al. **J Exp Med** 1987 Sep 1;166(3):792–7

Calcium and inositolphosphates in the activation of T cell–mediated cytotoxicity. Treves S, et al. **J Exp Med** 1987 Jul 1;166(1):33–42

Mitogen induction of ion channels in murine T lymphocytes. Decoursey TE, et al. **J Gen Physiol** 1987 Mar;89(3):405–20

Blast cell activity in mice infected with Hymenolepis nana, H. diminuta and Trichinella spiralis: in vivo uptake of 125IUdR in lymphoid tissues and gut. Gabriele F, et al. **J Helminthol** 1986 Dec;60(4):313–21

In vitro effects of lymphoblastoid interferon on lymphocyte activation and cell-mediated cytolysis in patients with chronic hepatitis B virus infection. Alexander GJ, et al. **J Hepatol** 1986;3 Suppl 2:S269–77

Prognostic relevance of serum inhibitory factors (SIF) in protracted and persistent hepatitis B. Brattig NW, et al. **J Hepatol** 1987 Apr;4(2):218–23

Theoretical prerequisites for an experimental corroboration of the existence of a specialized cellular system in control of multicellular organism tissue proliferation. Dontsov VI. **J Hyg Epidemiol Microbiol Immunol** 1987;31(2):209–17

Polyclonal activation of lymphocytes. Klemparskaya NN, et al. **J Hyg Epidemiol Microbiol Immunol** 1986; 30(3):317–22 (48 ref.)

Functional roles of human class II antigens in T cell proliferative response. Comparison of the DR and DQ molecules using mouse monoclonal antibodies. Chen RF, et al. **J Immunogenet** 1986 Oct-Dec;13(5–6):401–13

Effects of antigens and lymphokines on early activation of single hapten-specific B lymphocytes. Alderson MR, et al. **J Immunol** 1987 Feb 15;138(4):1056–63

Cross-linking of T3 (CD3) with T4 (CD4) enhances the proliferation of resting T lymphocytes. Anderson P, et al. **J Immunol** 1987 Aug 1;139(3):678–82

Analysis of two distinct B cell activation pathways mediated by a monoclonal T helper cell. I. MHC-restricted activation of B cells by an IL 2–dependent pathway. Asano Y, et al. **J Immunol** 1987 Feb 1;138(3):667–73

Proliferation of T lymphocytes in response to interleukin 2 varies with their state of activation. Ashwell JD, et al. **J Immunol** 1986 Oct 15;137(8):2572–8

Adoptive transfer of immunity to Listeria monocytogenes. The influence of in vitro stimulation on lymphocyte subset requirements. Bishop DK, et al. **J Immunol** 1987 Sep 15; 139(6):2005–9

Activation of immature cortical thymocytes through the T11 sheep erythrocyte binding protein. Blue ML, et al. **J Immunol** 1987 May 15;138(10):3108–13

Growth inhibition of human T cells by antibodies recognizing the T cell antigen receptor complex. Breitmeyer JB, et al. **J Immunol** 1987 Feb 1;138(3):726–31

Selectively increased production of interferon-gamma by subsets of Lyt-2+ and L3T4+ T cells identified by expression of Pgp-1. Budd RC, et al. **J Immunol** 1987 Jun 1;138(11):3583–6

Activation of human B cell proliferation through surface Bp35 (CD20) polypeptides or immunoglobulin receptors. Clark EA, et al. **J Immunol** 1987 Feb 1;138(3):720–5

Interleukin 2 mediates an alteration in the T200 antigen expressed on activated B lymphocytes. Cook RG, et al. **J Immunol** 1987 Aug 15;139(4):991–7

Lymphokine activation of T4+ T lymphocytes and monocytes. Cruikshank WW, et al. **J Immunol** 1987 Jun 1;138(11):3817–23

Receptor-like role of HLA-class I antigens: regulation of T cell activation. Dasgupta JD, et al. **J Immunol** 1987 Aug 1;139(3):672–7

Human thymic epithelial cells function as accessory cells for autologous mature thymocyte activation. Denning SM, et al. **J Immunol** 1987 Feb 1;138(3):680–6

Requirement for BSF-1 in the induction of antigen-specific B cell proliferation by a thymus-dependent antigen and carrier-reactive T cell line. Dubois P, et al. **J Immunol** 1987 Sep 15;139(6):1927–34

Stimulation of murine T cells via the Ly-6C antigen: lack of proliferative response in aberrant T cells from lpr/lpr and gld/gld mice despite high Ly-6C antigen expression. Dumont FJ. **J Immunol** 1987 Jun 15;138(12):4106–13

Cell-associated IgM, but not IgD or I-A/E, is important in the activation of suppressor T cells by antigen-primed B cells. Elkins KL, et al. **J Immunol** 1987 Aug 1; 139(3):695–701

Opposing immunoregulatory functions of CD8+ lymphocytes: a requirement for monocytes in suppressor cell induction. Elmasry MN, et al. **J Immunol** 1986 Oct 15;137(8):2468–77

Identification of a prominent nuclear protein associated with proliferation of normal and malignant B cells. Feuerstein N, et al. **J Immunol** 1987 Sep 15;139(6):1818–22

A novel pathway of human T cell activation via a 103 kD T cell activation antigen. Fleischer B. **J Immunol** 1987 Mar 1;138(5):1346–50

Quantitative analysis of the T cell response to antigen and planar membranes containing purified Ia molecules. Fox BS, et al. **J Immunol** 1987 May 15;138(10):3367–74

Dissociation between lymphocyte activation for proliferation and for the capacity to adoptively transfer uveoretinitis. Fox GM, et al. **J Immunol** 1987 May 15;138(10):3242–6

Spontaneous production of a suppressor factor by a human macrophage-like cell line U937. II. Suppression of antigen- and mitogen-induced blastogenesis, IL 2 production and IL 2 receptor expression in T lymphocytes. Fujiwara H, et al. **J Immunol** 1987 Jan 1;138(1):197–203

Role of membrane potential in the response of human T lymphocytes to phytohemagglutinin. Gelfand EW, et al. **J Immunol** 1987 Jan 15;138(2):527–31

A quantitative analysis of antigen-triggered lymphokine production by activated T cells. Gill RG, et al. **J Immunol** 1987 Feb 15;138(4):1130–6

Heterogeneity of signal requirements in T cell activation within a panel of human proliferative T cell clones. Goronzy J, et al. **J Immunol** 1987 May 15;138(10):3087–93

Regulation of murine T cell proliferation by B cell stimulatory factor-1. Grabstein KH, et al. **J Immunol** 1987 Aug 15;139(4):1148–53

Molecular events involved in regulating human interferon-gamma gene expression during T cell activation. Hardy KJ, et al. **J Immunol** 1987 Apr 1;138(7):2353–8

Molecular mechanisms involved in T cell activation. I. Evidence for independent signal-transducing pathways in lymphokine production vs proliferation in cloned cytotoxic T lymphocytes. Harris DT, et al. **J Immunol** 1987 Jan 15; 138(2):600–5

B lymphocyte activation. Transmembrane signal transduction by membrane immunoglobulin in isolated cell membranes. Harris LK, et al. **J Immunol** 1987 Aug 1;139(3):963–70

Distinct signals are required for proliferation and lymphokine gene expression in murine T cell clones. Heckford SE, et al. **J Immunol** 1986 Dec 1;137(11):3652–63

Cell matrix adhesion-related proteins VLA-1 and VLA-2: regulation of expression on T cells. Hemler ME, et al. **J Immunol** 1987 May 1;138(9):2941–8

Identification of a lymphocyte-activating pentapeptide sequence in the Fc region of human IgG1. Hobbs MV, et al. **J Immunol** 1987 Apr 15;138(8):2581–6

Membrane-associated interleukin 1 is required for the activation of T cells in the anti-CD3 antibody-induced T cell response. Hurme M. **J Immunol** 1987 Aug 15; 139(4):1168–72

Impaired expression of high affinity interleukin 2 receptor on activated lymphocytes from patients with systemic lupus erythematosus. Ishida H, et al. **J Immunol** 1987 Aug 15; 139(4):1070–4

Comparative activation requirements of human peripheral blood, spleen, and lymph node B cells. Jelinek DF, et al. **J Immunol** 1987 Aug 15;139(4):1005–13

Synergistic effect of recombinant IL 2 and interferon-gamma on the proliferation of human monoclonal lymphocytes. Karray S, et al. **J Immunol** 1987 Jun 1;138(11):3824–8

Role of the transferrin receptor in lymphocyte growth: a rat IgG monoclonal antibody against the murine transferrin receptor produces highly selective inhibition of T and B cell activation protocols. Kemp JD, et al. **J Immunol** 1987 Apr 15;138(8):2422–6

A novel role for interleukin 2 in antibody responses: down-regulation of T helper cell activation. Kennedy M, et al. **J Immunol** 1987 Jul 1;139(1):110–3

Molecular mechanisms involved in T cell activation. II. The phosphatidylinositol signal-transducing mechanism mediates antigen-induced lymphokine production but not interleukin 2–induced proliferation in cloned cytotoxic T lymphocytes. Kozumbo WJ, et al. **J Immunol** 1987 Jan 15;138(2):606–12

Capacity of B cells to function as stimulators of a primary mixed leukocyte reaction. Krieger JI, et al. **J Immunol** 1986 Nov 15;137(10):3117–23

Brugia malayi antigens associated with lymphocyte activation in filariasis. Lal RB, et al. **J Immunol** 1987 Sep 1; 139(5):1652–7

Human oncogene-transfected tumor cells display differential susceptibility to lysis by lymphokine-activated killer cells (LAK) and natural killer cells. Lanza LA, et al. **J Immunol** 1986 Oct 15;137(8):2716–20

Augmentation of normal and malignant B cell proliferation by monoclonal antibody to the B cell-specific antigen BP50 (CDW40). Ledbetter JA, et al. **J Immunol** 1987 Feb 1; 138(3):788–94

Interleukin 1-driven secretion of interleukin 2 is highly temperature-dependent. Lederman HM, et al. **J Immunol** 1987 Jun 1;138(11):3808–11

Interleukin inhibition by a parasite proteinase inhibitor, taeniaestatin. Leid RW, et al. **J Immunol** 1986 Oct 15; 137(8):2700–2

Activation of murine T lymphocytes with monoclonal antibodies: detection on Lyt-2+ cells of an antigen not associated with the T cell receptor complex but involved in T cell activation. Leo O, et al. **J Immunol** 1987 Aug 15;139(4):1214–22

The type-specific capsular carbohydrate of Hemophilus influenzae B is a potent mitogen for murine B lymphocytes. Lucas AH, et al. **J Immunol** 1986 Nov 15;137(10):3130–4

Monoclonal antibodies, L-35 and L-36, define novel T cell activation antigens. Maino VC, et al. **J Immunol** 1986 Nov 15;137(10):3093–9

Regulation of interleukin 2 synthesis by cAMP in human T cells. Mary D, et al. **J Immunol** 1987 Aug 15; 139(4):1179–84

The effects of phorbol ester on alloantigen presentation. Minami M, et al. **J Immunol** 1987 Jan 15;138(2):393–400

Protein kinase C activation blocks anti-IgM-mediated signaling BAL17 B lymphoma cells. Mizuguchi J, et al. **J Immunol** 1987 Aug 15;139(4):1054–9

Antibodies to the L3T4 and Lyt-2 molecules interfere with antigen receptor-driven activation of cloned murine T cells. Moldwin RL, et al. **J Immunol** 1987 Aug 1; 139(3):657–64

Species-specificity of T cell stimulating activities of IL 2 and BSF-1 (IL 4): comparison of normal and recombinant,

mouse and human IL 2 and BSF-1 (IL 4). Mosmann TR, et al. **J Immunol** 1987 Mar 15;138(6):1813–6

Inhibition of IL 2-driven proliferation of murine T lymphocyte clones by supraoptimal levels of immobilized anti-T cell receptor monoclonal antibody. Nau GJ, et al. **J Immunol** 1987 Jul 1;139(1):114–22

Early events in lymphocyte activation as defined by three new monoclonal antibodies. Newman W, et al. **J Immunol** 1986 Dec 15;137(12):3702–8

Antigen-specific and -nonspecific mitogenic signals in the activation of human T cell clones. Nisbet-Brown ER, et al. **J Immunol** 1987 Jun 1;138(11):3713–9

Proteolytically modified human beta 2-microglobulin augments the specific cytotoxic activity in murine mixed lymphocyte culture. Nissen MH, et al. **J Immunol** 1987 Aug 15;139(4):1022–9

Lepromin-induced lymphoproliferative response of experimental leprosy monkeys: regulatory role of monocyte and lymphocyte subsets. Ohkawa S, et al. **J Immunol** 1987 Jun 1;138(11):3943–8

Role of Ly-6 in lymphocyte activation. I. Characterization of a monoclonal antibody to a nonpolymorphic Ly-6 specificity. Ortega G, et al. **J Immunol** 1986 Nov 15; 137(10):3240–6

Participation of L3T4 in T cell activation in the absence of class II major histocompatibility complex antigens. Inhibition by anti-L3T4 antibodies is a function both of epitope density and mode of presentation of anti-receptor antibody. Owens T, et al. **J Immunol** 1987 Apr 15; 138(8):2402–9

CD19 monoclonal antibody HD37 inhibits anti-immunoglobulin-induced B cell activation and proliferation. Pezzutto A, et al. **J Immunol** 1987 May 1; 138(9):2793–9

Amplification of human B cell activation by a monoclonal antibody to the B cell-specific antigen CD22, Bp 130/140. Pezzutto A, et al. **J Immunol** 1987 Jan 1;138(1):98–103

Use of the monoclonal antibody 12F1 to characterize the differentiation antigen VLA-2. Pischel KD, et al. **J Immunol** 1987 Jan 1;138(1):226–33

Cell surface sialic acid influences tumor cell recognition in the mixed lymphocyte reaction. Powell LD, et al. **J Immunol** 1987 Jul 1;139(1):262–70

Unresponsiveness of MRL/MP-lpr/lpr mice to antigen given subcutaneously in adjuvant: partial restoration of response after local injection of B cells. Ron Y, et al. **J Immunol** 1987 Jul 15;139(2):400–5

Regulation of the in vitro presentation of minor lymphocyte stimulating determinants by major histocompatibility complex-encoded immune response genes. Ryan JJ, et al. **J Immunol** 1987 Apr 15;138(8):2392–401

The Mlsd-defined primary mixed lymphocyte reaction: a composite response to Mlsa and Mlsc determinants. Ryan JJ, et al. **J Immunol** 1987 Jun 15;138(12):4085–92

IgM binding protein expressed by activated B cells. Sanders SK, et al. **J Immunol** 1987 Jul 1;139(1):188–93

IgE-enhancing activity directly and selectively affects activated B cells: evidence for a human IgE differentiation factor. Sherr EH, et al. **J Immunol** 1987 Jun 1; 138(11):3836–43

Activation of human B cells: alternate options for initial triggering and effects of nonmitogenic concentrations of anti-IgM antibodies on resting and activated cells. Smeland EB, et al. **J Immunol** 1987 May 15;138(10):3179–84

Antigen-induced proliferation and immunoglobulin A secretion by a human-human hybridoma. Splawski JB, et al. **J Immunol** 1987 Sep 1;139(5):1432–7

The T4 molecule differentially regulating the activation of subpopulations of T4+ cells. Takeuchi T, et al. **J Immunol** 1987 Aug 1;139(3):665–71

Bacterial activation of human natural killer cells. Characteristics of the activation process and identification of the effector cell. Tarkkanen J, et al. **J Immunol** 1986 Oct 15;137(8):2428–33

Anti-HLA class I antibodies inhibit the T cell-independent proliferation of human B lymphocytes. Taylor DS, et al. **J Immunol** 1987 Sep 15;139(6):1792–6

Stimulation of T lymphocyte proliferation by monoclonal antibodies against GD3 ganglioside. Welte K, et al. **J Immunol** 1987 Sep 15;139(6):1763–71

Autoreactivity accelerates the development of autoimmunity and lymphoproliferation in MRL/Mp-lpr/lpr mice. Weston KM, et al. **J Immunol** 1987 Aug 1;139(3):734–42

Peritoneal macrophages exposed to purified macrophage colony-stimulating factor (M-CSF) suppress mitogen- and antigen-stimulated lymphocyte proliferation. Wing EJ, et al. **J Immunol** 1986 Nov 1;137(9):2768–73

T3-T cell receptor (Ti) complex-independent activation of T cells by wheat germ agglutinin. Yachie A, et al. **J Immunol** 1987 May 1;138(9):2843–7

Stimulation of T cells via the TAP molecule, a member in a family of activating proteins encoded in the Ly-6 locus. Yeh ET, et al. **J Immunol** 1987 Jan 1;138(1):91–7

The mitogenic activity of staphylococcal enterotoxin B (SEB): a monovalent T cell mitogen that stimulates cytolytic T lymphocytes but cannot mediate their lytic interaction. Zehavi-Willner T, et al. **J Immunol** 1986 Oct 15;137(8):2682–7

Anti-CD3 activation of T cells with immunoglobulin coupled red cells. Aaron S. **J Immunol Methods** 1987 Aug 24; 102(1):1–5

More exact quantification of interleukin-2 production by addition of anti-Tac monoclonal antibody to cultures of stimulated lymphocytes. Baroja ML, et al. **J Immunol Methods** 1987 Apr 16;98(2):267–70

Analysis of human lymphocyte transformation responses to graded doses of T cell mitogens by curve fitting. Cason J, et al. **J Immunol Methods** 1987 Aug 24;102(1):109–17

Improvement of the in vitro T cell proliferation assay by a modified method that separates the antigen recognition and IL-2-dependent steps. Chain B, et al. **J Immunol Methods** 1987 May 20;99(2):221–8

Distinct culture requirements for activation and proliferation of human peripheral blood B lymphocytes by Staphylococcus aureus Cowan strain and growth factors. Choi YS, et al. **J Immunol Methods** 1987 Jul 16; 101(1):29–36

Determination of co-expression of activation antigens on proliferating CD4+, CD4+ CD8+ and CD8+ lymphocyte subsets by dual parameter flow cytometry. Creemers PC. **J Immunol Methods** 1987 Mar 12; 97(2):165–71

Quantitative measurement of T-lymphocyte activation by an enzyme-linked immunosorbent assay (ELISA) detecting interleukin-2 receptor expression. Igietseme JU, et al. **J Immunol Methods** 1987 Feb 26;97(1):123–31

Stimulation of resting normal human peripheral blood mononuclear cells by fetal calf sera. Activation to an interleukin-2 responsive state. Lakhanpal S, et al. **J Immunol Methods** 1986 Nov 20;94(1-2):197–200

An optimal assay of human B cell proliferation in vitro. Wasik M, et al. **J Immunol Methods** 1987 May 4;99(1):1–5

In vitro stimulation prior to fusion generates antigen-binding human-human hybridomas. Wasserman RL, et al. **J Immunol Methods** 1986 Nov 6;93(2):275–83

The effects of adherent cells on measurement of the hyper-responsiveness of rheumatoid B lymphocytes to Epstein-Barr virus. Winrow VR, et al. **J Immunol Methods** 1987 Mar 12;97(2):221–7

Stimulation of T lymphocyte-dependent differentiation of activated human B lymphocytes by Plasmodium falciparum supernatants. Ballet JJ, et al. **J Infect Dis** 1987 May; 155(5):1037–40

Lymphoproliferative responses to human immunodeficiency virus antigen in asymptomatic intravenous drug abusers and in patients with lymphadenopathy or AIDS. Reddy MM, et al. **J Infect Dis** 1987 Aug;156(2):374–6

In vivo hyperthermia enhances plasma antiviral activity and stimulates peripheral lymphocytes for increased synthesis of interferon-gamma. Downing JF, et al. **J Interferon Res** 1987 Apr;7(2):185–93

Effect of mitogens on the cell cycle progression and the quantification of T-lymphocyte surface markers in acquired immune deficiency syndrome. Hornicek FJ, et al. **J Leukocyte Biol** 1987 Aug;42(2):122–7

Role of epidermal cell thymocyte-activating factor in the proliferation and differentiation of murine B cells. Pillai PS, et al. **J Leukocyte Biol** 1987 Sep;42(3):222–9

Proliferation of human peripheral blood mononuclear cells induced by Candida albicans and its cell wall fractions. Ausiello CM, et al. **J Med Microbiol** 1986 Nov; 22(3):195–202

Effect of breast feeding on responses of systemic interferon and virus-specific lymphocyte transformation in infants with respiratory syncytial virus infection. Chiba Y, et al. **J Med Virol** 1987 Jan;21(1):7–14

Enhancement of rat lymphocyte proliferation after prolonged exposure to stress. Jessop JJ, et al. **J Neuroimmunol** 1987 Oct;16(2):261–71

Lymphocytic activation in peripheral blood and cerebrospinal fluid during the course of chronic relapsing experimental allergic encephalomyelitis. Suckling AJ, et al. **J Neuroimmunol** 1987 May;15(1):85–95

Activation of immunoregulatory lymphocytes obtained from patients with malignant gliomas. Elliott LH, et al. **J Neurosurg** 1987 Aug;67(2):231–6

Modulation of immune response. A possible role for murine salivary epidermal and nerve growth factors. Dean DH, et al. **J Periodontol** 1987 Jul;58(7):498–500

2 dimensional flow cytometric analysis of activation antigens expressed on the synovial fluid T cells in rheumatoid arthritis. Goto M, et al. **J Rheumatol** 1987 Apr;14(2):230–3

In vivo activation of lymphocytes in rheumatoid arthritis. Keystone EC, et al. **J Rheumatol** 1986 Aug;13(4):694–9

Effects of recombinant human interferons on rheumatoid arthritis B lymphocytes activated by Epstein-Barr virus. Lotz M, et al. **J Rheumatol** 1987 Feb;14(1):42–5

Identification and expansion of human lymphokine-activated killer cells: implications for the immunotherapy of cancer. Skibber JM, et al. **J Surg Res** 1987 Jun;42(6):613–21

Surface receptor mobilization in complement-mediated neutrophil activation: characterization and effects of methylprednisolone. Tennenberg SD, et al. **J Surg Res** 1987 Aug;43(2):143–8

Characterization of in vivo activated lymphocytes found in the peripheral blood of patients undergoing cardiac operation. Ryhänen P, et al. **J Thorac Cardiovasc Surg** 1987 Jan;93(1):109–14

Relationship between mitogenic activity of influenza viruses and the receptor-binding specificity of their hemagglutinin molecules. Anders EM, et al. **J Virol** 1986 Nov; 60(2):476–82

Direct role of viral hemagglutinin in B-cell mitogenesis by influenza viruses. Poumbourios P, et al. **J Virol** 1987 Jan; 61(1):214–7

Role of interleukin-2 (IL-2) and IL-2 receptor expression in the proliferative defect observed in mitogen-stimulated lymphocytes from patients with gliomas. Elliott L, et al. **JNCI** 1987 May;78(5):919–22

In vivo distribution of recombinant interleukin-2-activated autologous lymphocytes administered by intra-arterial infusion in patients with renal cell carcinoma. Morita T, et al. **JNCI** 1987 Mar;78(3):441–50

Reduction in responsiveness of thymocytes to phytohemagglutinin during bladder tumor induction and restorative effects of thymosin fraction 5 in rats. Wada S, et al. **JNCI** 1987 Feb;78(2):303–6

The mechanism of activation of human natural killer cells by medullasin. Aoki Y. **Jpn J Cancer Res** 1986 Oct; 77(10):1018–26

Requirements of adherent cells for activating Lyt-1+2- T cells as well as for functioning as antitumor effectors activated by factor(s) from Lyt-1+2- T cells. Sakamoto K, et al. **Jpn J Cancer Res** 1986 Nov;77(11):1142–52

Role of the spleen on immunosuppression in esophageal and gastric cancer. Toge T, et al. **Jpn J Surg** 1986 Sep; 16(5):330–5

Mitogenic responsibilities of lymphocytes in canine babesiosis and the effects of splenectomy on it. Kawamura M, et al. **Jpn J Vet Res** 1987 Jan;35(1):1–10

In vitro adsorption of colon cancer sera over staphylococcus protein A: lymphocyte stimulation by leakage of adsorbance. Richner J, et al. **Klin Wochenschr** 1987 Apr 15;65(8):353–8

Antibodies to T cell antigen receptor beta chain families detect monoclonal T cell proliferation [published erratum appears in Lancet 1986 Dec 6;2(8519):1342] Clark DM, et al. **Lancet** 1986 Oct 11;2(8511):835–7

Temporal order vs. variability in activation of lymphocytes from aging mice. Brock MA. **Mech Ageing Dev** 1986-87 Jan;37(3):197–210

Age-associated changes in proliferative and differentiative response of human B cells and production of T cell-derived factors regulating B cell functions. Hara H, et al. **Mech Ageing Dev** 1987 May;38(3):245–58

Age-related changes of the function of T cell subsets: predominant defect of the proliferative response in CD8 positive T cell subset in aged persons. Negoro S, et al. **Mech Ageing Dev** 1987 Aug;39(3):263–79

Monocyte and iscom enhancement of cell-mediated response to cytomegalovirus. Wahren B, et al. **Med Microbiol Immunol (Berl)** 1987;176(1):13–9

Differential effect of culture epimastigotes and blood-form trypomastigotes on normal mouse splenocyte responsiveness to mitogens. Serrano LE, et al. **Mem Inst Oswaldo Cruz** 1986 Apr-Jun;81(2):207–13

Heterogeneity in immunologic functions of rat alveolar macrophages--their accessory cell function and IL-1 production. Oghiso Y. **Microbiol Immunol** 1987; 31(3):247–60

Increase in the levels of activity of polyadenylic acid-metabolizing enzymes following phytohaemagglutinin stimulation of human lymphocytes. Courtis NC, et al. **Mol Cell Biochem** 1987 May;75(1):33–42

The effects of aging on phosphofructokinase induction during lymphocyte mitogenesis in relation to DNA and protein synthesis. Tollefsbol TO, et al. **Mol Cell Biochem** 1987 Jun; 75(2):113–22

Deoxycytidylate deaminase activity in non-stimulated and phytohemagglutinin-stimulated human lymphocytes, and in leukemic cells. Tyrsted G, et al. **Mol Cell Biochem** 1987 Jul;76(1):27–34

Stimulation of T cells through the CD3/T-cell receptor complex: role of cytoplasmic calcium, protein kinase C translocation, and phosphorylation of pp60c-src in the activation pathway. Ledbetter JA, et al. **Mol Cell Biol** 1987 Feb;7(2):650–6

Promoter region of interleukin-2 gene undergoes chromatin structure changes and confers inducibility on chloramphenicol acetyltransferase gene during activation of T cells. Siebenlist U, et al. **Mol Cell Biol** 1986 Sep; 6(9):3042–9

Cell cycle control of activated, synchronized murine B lymphocytes--roles of macrophages and complement C3. Melchers F, et al. **Mol Immunol** 1986 Nov;23(11):1173–6

Definition of discrete signals involved in human T-cell activation. Meuer S, et al. **Mol Immunol** 1986 Nov; 23(11):1157–63

Association of phosphorylation of the T3 antigen with immune activation of T lymphocytes. Cantrell D, et al. **Nature** 1987 Feb 5–11;325(6104):540–2

Direct activation of resting T lymphocytes by human T-lymphotropic virus type I. Gazzolo L, et al. **Nature** 1987 Apr 16–22;326(6114):714–7

Thy-1-mediated T-cell activation requires co-expression of CD3/Ti complex. Gunter KC, et al. **Nature** 1987 Apr 2–8; 326(6112):505–7

Alternative pathway activation of T cells by binding of CD2 to its cell-surface ligand. Hünig T, et al. **Nature** 1987 Mar 19–25;326(6110):298–301

Single-channel and whole-cell recordings of mitogen-regulated inward currents in human cloned helper T lymphocytes. Kuno M, et al. **Nature** 1986 Sep 18–24; 323(6085):269–73

Failure to find holes in the T-cell repertoire. Ogasawara K, et al. **Nature** 1987 Jan 29–Feb 4;325(6103):450–2

Pleiotropic loss of activation pathways in a T-cell receptor alpha-chain deletion variant of a cytolytic T-cell clone. Schmitt-Verhulst AM, et al. **Nature** 1987 Feb 12-18; 325(6105):628-31

Suppressor resident peritoneal macrophages and peritonitis incidence in continuous ambulatory peritoneal dialysis. Lamperi S, et al. **Nephron** 1986;44(3):219-25

Application of ethidium bromide fluorescence assay to measurement of blastogenesis of swine lymphocytes. Inoue T, et al. **Nippon Juigaku Zasshi** 1987 Aug;49(4):681-6

Assay for equine peripheral blood lymphocytes blastogenic response using ethidium bromide. Tajima M, et al. **Nippon Juigaku Zasshi** 1987 Jun;49(3):567-70

T-cell mitogenesis and natural killer cell activity in colonic tumor-bearing and nontumor-bearing rats fed diets high in lipid with and without cholesterol. Kraus LJ, et al. **Nutr Cancer** 1987;9(2-3):159-70

Spleen and lymph node cell populations, in vitro cell proliferation and interferon-gamma production during the primary immune response to Toxoplasma gondii. Jones TC, et al. **Parasite Immunol** 1986 Nov;8(6):619-29

Analysis of B cell and T cell proliferative responses induced by monomorphic and pleomorphic Trypanosoma brucei parasites in mice. Sendashonga CN, et al. **Parasite Immunol** 1986 Sep;8(5):443-53

Active suppression of interleukin 2 secretion in mice infected with Trypanosoma brucei AnTat 1.1.E. Sileghem M, et al. **Parasite Immunol** 1986 Nov;8(6):641-9

Evaluation of spleen lymphocyte responsiveness to a T-cell mitogen during early infection with larval Taenia taeniaeformis. Letonja T, et al. **Parasitol Res** 1987; 73(3):265-70

Occurrence and biochemical characteristics of cestode lymphocyte mitogens. Judson DG, et al. **Parasitology** 1987 Feb;94 (Pt 1):151-60

Single cell studies on the role of B-cell stimulatory factor 1 in B-cell activation. Alderson MR, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1389-93

Presence of preactivated T cells in hemodialyzed patients: their possible role in altered immunity. Chatenoud L, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7457-61

Functional characterization of an antigen involved in an early step of T-cell activation. Cosulich ME, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4205-9

The role of class I histocompatibility antigens in the regulation of T-cell activation. Dasgupta JD, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):1094-8

Synergism in the activation of human CD8 T cells by cross-linking the T-cell receptor complex with the CD8 differentiation antigen. Emmrich F, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8298-302

B-cell stimulatory factor 1 and not interleukin 2 is the autocrine growth factor for some helper T lymphocytes. Lichtman AH, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(3):824-7

Expression of the T-cell receptor gamma-chain gene products on the surface of peripheral T cells and T-cell blasts generated by allogeneic mixed lymphocyte reaction. Maeda K, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(18):6536-40

Induction of synthesis of the cytolytic C9 (ninth component of complement)-related protein in human peripheral mononuclear cells by monoclonal antibody OKT3 or interleukin 2: correlation with cytotoxicity and lymphocyte phenotype. Martin DE, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2946-50

Suppressive effect on polyclonal B-cell activation of a synthetic peptide homologous to a transmembrane component of oncogenic retroviruses. Mitani M, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):237-40

Selection and characterization of T-cell variants lacking molecules involved in T-cell activation (T3 T-cell receptor, T44, and T11): analysis of the functional relationship among different pathways of activation. Moretta A, et al. **Proc Natl Acad Sci USA** 1987 Mar; 84(6):1654-8

B-cell-stimulatory factor 1 reverses Fc receptor-mediated inhibition of B-lymphocyte activation. O'Garra A, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6254-8

Isolation of a human major histocompatibility complex class I gene encoding a nonubiquitous molecule expressed on activated lymphocytes. Paul P, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2872-6

Interleukin 4 is a growth factor for activated thymocytes: possible role in T-cell ontogeny. Zlotnik A, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3856-60

Chicken serum inhibits lectin-induced proliferation of autologous splenic mononuclear cells. Franklin RA, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):225-33

Effect of dietary selenium and vitamin E deficiencies in the chicken on Con A induced splenocyte proliferation. Marsh JA, et al. **Prog Clin Biol Res** 1987;238:333-45

The relative resistance of lymphokine activated killer cells to suppression by prostaglandins and glucocorticoids. Imir T, et al. **Prostaglandins Leukotrienes Med** 1987 Jul; 28(2):111-8

T lymphocyte polyclonal proliferation and stress response style. Workman EA, et al. **Psychol Rep** 1987 Jun;60(3 Pt 2):1121-2

Mitogen responsiveness after exposure of influenza virus-infected human mononuclear leukocytes to continuous or pulse-modulated radiofrequency radiation. Roberts NJ Jr, et al. **Radiat Res** 1987 Jun;110(3):353-61

Application of the fluorometric DNA quantitative assay using 4'6-diamidine-2-phenylindole for the evaluation of lymphocyte blastogenic response. Nagahata H, et al. **Res Vet Sci** 1987 May;42(3):331-3

Blast transformation in Mexican malnourished children. Gorodezky C, et al. **Rev Latinoam Microbiol** 1986 Jul-Sep; 28(3):217-20

Activation of malignant B-lymphocytes: pathophysiologic and clinical importance. Robert KH, et al. **Scand J Haematol** 1986 Nov;37(5):363-70

Activation of resting, pure CD4+, and CD8+ cells via CD3. Requirements for second signals. Halvorsen R, et al. **Scand J Immunol** 1987 Aug;26(2):197-205

The role of the Fc receptor in T-cell activation. Hammerling U, et al. **Scand J Immunol** 1986 Dec;24(6):621-4

A study of cyclic nucleotides as second messengers after interleukin 2 stimulation of human T lymphocytes. Knudsen TE, et al. **Scand J Immunol** 1987 May; 25(5):527-31

The role of calcium in stimulation of activated T lymphocytes with interleukin 2. Larsen CS, et al. **Scand J Immunol** 1986 Dec;24(6):689-97

Occurrence of specific phytohaemagglutinin-reactive immunoglobulins in the sera of certain individuals. Relevance to the detection of cell surface antigens on phytohaemagglutinin-stimulated cells. Nunez-Roldan A, et al. **Scand J Immunol** 1987 Feb;25(2):139-47

Human epidermal Langerhans cells and peripheral blood monocytes. Accessory cell function, autoactivating and alloactivating capacity and ETAF/IL-1 production. Räsänen L, et al. **Scand J Immunol** 1986 Nov;24(5):503-8

Amplification of T-cell response to PPD by epidermal cell suspensions containing HLA-DR-expressing keratinocytes. Tjernlund U, et al. **Scand J Immunol** 1987 Jul;26(1):1-6

Kinetics of Ca2+ uptake into lectin-induced secondary lymphocytes during reactivation with concanavalin A or interleukin 2. Wolff CH. **Scand J Immunol** 1987 Jul; 26(1):7-10

An analysis of polyclonal B cell activation in Sjögren's syndrome. Characterization of B cell lines spontaneously established from the peripheral blood. Miyasaka N, et al. **Scand J Rheumatol [Suppl]** 1986;61:123-6

In vitro mitogen-induced interferon production and lymphocyte blastogenesis in patients with lung cancer. Suzuki S, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1986 Dec;33(1-4):27-32

T-cell tumor elimination as a result of T-cell receptor-mediated activation. Ashwell JD, et al. **Science** 1987 Jul 3;237(4810):61-4

Organ-resident, nonlymphoid cells suppress proliferation of autoimmune T-helper lymphocytes. Caspi RR, et al. **Science** 1987 Aug 28;237(4818):1029-32

In vivo activation of CD4+ cells in AIDS. Fuchs D, et al. **Science** 1987 Jan 16;235(4786):356

A prospective study of thymopentin in severely burned patients. Waymack JP, et al. **Surg Gynecol Obstet** 1987 May;164(5):423-30

Impaired lymphocyte responsiveness to phytohaemagglutinin associated with the possession of HLA-B8/DR3. Amer A, et al. **Tissue Antigens** 1986 Oct;28(4):193-8

Inhibition of lymphocyte proliferation by a synthetic peptide homologous to envelope proteins of human and animal retroviruses. Cianciolo GJ, et al. **Trans Assoc Am Physicians** 1985;98:30-41

Dissociation of proliferative and differentiative signals for human suppressor T cells. Fox EJ, et al. **Trans Assoc Am Physicians** 1985;98:150-7

Monoclonal antibody to the Epstein-Barr virus receptor induces human B lymphocyte activation and differentiation. Nemerow GR, et al. **Trans Assoc Am Physicians** 1985; 98:290-300

Immune responses and immunoregulation in relation to human schistosomiasis in Egypt. III. Immunity and longitudinal studies of in vitro responsiveness after treatment. Colley DG, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):952-7

Effects of frequent and sustained plateletapheresis on peripheral blood mononuclear cell populations and lymphocyte functions of normal volunteer donors. Matsui Y, et al. **Transfusion** 1986 Sep-Oct;26(5):446-52

Studies on the two-signal model for T cell activation in vivo. Babcock SK, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):303-6

Evidence for a lymphocyte activation determinant coded by the HLA region different from HLA-DR, DQ, and DP. Eiermann TH, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):866-9

Correlation between two-color flow cytometry quantitation of activated T cells and acute allograft rejection. Hayes JM, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1605-8

Spontaneous blastogenesis as a monitor of renal allograft rejection. Kanda H, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1592-4

An autoreactive T cell clone derived after allostimulation in vitro: evidence for recognition of a polymorphic self major histocompatibility complex class II gene product. Martin A, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):875-7

Polyclonal activation of rat T lymphocytes by RT6 alloantisera. Wonigeit K, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 1):296-9

Ultraviolet irradiation of canine dendritic cells prevents mitogen-induced cluster formation and lymphocyte proliferation. Aprile J, et al. **Transplantation** 1986 Dec; 42(6):653-60

Immunoregulatory alterations in Plasmodium falciparum and Plasmodium vivax infections. Merino F, et al. **Trop Med Parasitol** 1986 Sep;37(3):241-4

Cutaneous leishmaniasis in Ethiopia: I. Lymphocyte transformation and antibody titre. Schurr E, et al. **Trop Med Parasitol** 1986 Dec;37(4):403-8

Effect of serum on lymphocyte blastogenesis. 2. Characterization of disease-induced immunosuppressive factors by chromatography and molecular weight determination. Barta O, et al. **Vet Immunol Immunopathol** 1987 Apr;14(4):319-34

Cytotoxic capabilities of bovine lymphocytes after lectin stimulation. Campos M, et al. **Vet Immunol Immunopathol** 1987 Apr;14(4):297-307

Influence of the Hal locus and standardized stress on antibody response and in vitro reactivity of peripheral blood lymphocytes in pigs. Edfors-Lilja I, et al. **Vet Immunol Immunopathol** 1987 Feb;14(2):157-71

The effect of general anesthesia on canine lymphocyte function. Felsburg PJ, et al. **Vet Immunol Immunopathol** 1986 Sep;13(1-2):63-70

Effect of Rous associated virus number 7 on lymphoid cells and tissues of the chicken. Heidrich JE, et al. **Vet Immunol Immunopathol** 1987 Jun;15(3):267-83

In vivo and in vitro effects of moderately virulent African swine fever virus on mitogenesis of pig lymphocytes. Knudsen RC, et al. **Vet Immunol Immunopathol** 1987 Jul; 15(4):323-36

Immunosuppression by canine distemper virus: modulation of in vitro immunoglobulin synthesis, interleukin release and prostaglandin E2 production. Krakowka S, et al. **Vet Immunol Immunopathol** 1987 Jun;15(3):181-201

Patterns of bovine T cell-mediated immune responses to bovine herpesvirus 1. Miller-Edge M, et al. **Vet Immunol Immunopathol** 1986 Dec;13(4):301-19

Immunomodulation with killed Propionibacterium acnes in guinea pigs simultaneously vaccinated with Brucella abortus strain 19. Panangala VS, et al. **Vet Immunol Immunopathol** 1986 Sep;13(1-2):71-84

Human recombinant interleukin-2 augments in vitro blastogenesis of bovine and porcine lymphocytes. Stott JL, et al. **Vet Immunol Immunopathol** 1986 Sep;13(1-2):31-8

Repeated suppression of lymphocyte blastogenesis following vaccinations of CPV-immune dogs with modified-live CPV vaccines. Mastro JM, et al. **Vet Microbiol** 1986 Sep; 12(3):201-11

Lymphocyte responsiveness in cattle previously infested and uninfested with Hypoderma lineatum (de Vill.) and H. bovis (L.) (Diptera: Oestridae). Baron RW, et al. **Vet Parasitol** 1987 May;24(3-4):285-96

Lymphocyte blastogenic responses of calves experimentally infected with Ostertagia ostertagi. Cross DA, et al. **Vet Parasitol** 1986 Nov;22(1-2):49-55

The nature and role of antigen processing in T-cell activation. Berzofsky JA. **Year Immunol** 1985;:18-24 (27 ref.)

The role of functional cell surface antigens in T cell activation. Bierer BE, et al. **Year Immunol** 1986;2:39-59 (108 ref.)

Recent advances in lymphocyte activation. Wedner HJ. **Year Immunol** 1985;:129-35

Recent studies in lymphocyte activation. Wedner HJ. **Year Immunol** 1986;2:145-51 (12 ref.)

Low molecular mass inhibitors from calf thymus selective for T-lymphocyte proliferation. Matthiessen HP, et al. **Z Naturforsch [C]** 1986 Nov-Dec;41(11-12):1131-6

Cellular immune response in Lyme disease: the response to mitogens, live Borrelia burgdorferi, NK cell function and lymphocyte subsets. Dattwyler RJ, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1-2):151-9

[Investigation of non-specific immune suppression in DBA/1 mouse infected by L. donovani] Yi TL, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Mar;17(1):13-6 (Eng. Abstr.) **(Chi)**

[Effect of PHA on immune response of rabbits to S. typhoid "O" antigen]Zhang TH, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun;18(2):122-4 (Eng. Abstr.) **(Chi)**

[The effect of air pollution on lymphocyte transformation rate in children] Zhu ZH, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun;18(2):157-9 (Eng. Abstr.) **(Chi)**

[Implication of HLA class I molecule from monocyte in T-cell activation by CD2 or CD3 monoclonal antibodies] Huet S, et al. **C R Acad Sci [III]** 1987;304(18):469-72 (Eng. Abstr.) **(Fre)**

[Inhibitory serum factors in MLR and in PHA-stimulation in sera from normal, allogenic hyperimmunized and transplantation tolerant mice] Brock J, et al. **Allerg Immunol (Leipz)** 1986;32(4):287-94 (Eng. Abstr.) **(Ger)**

[The interleukin 2 receptor. A review of the literature] Siegl E, et al. **Allerg Immunol (Leipz)** 1987;33(1):3-14 (Eng. Abstr.) **(Ger)**

[Influences on the transformation of peripheral lymphocytes in the calf] Müller G, et al. **Arch Exp Veterinarmed** 1987 Mar;41(2):160-71 (Eng. Abstr.) **(Ger)**

[T- and B-lymphocyte hyperreactivity in patients with progressive systemic sclerosis] Becker H, et al. **Immun Infekt** 1987 Apr;15(2):72–3 (Eng. Abstr.) **(Ger)**

[Effect of factor VIII, factor IX and immunoglobulin preparations on mitogen-induced lymphocyte proliferation] Glöckel U, et al. **Immun Infekt** 1987 Apr; 15(2):62–5 (Eng. Abstr.) **(Ger)**

[Compartmentalized T-cell activation in active sarcoidosis] Müller-Quernheim J. **Prax Klin Pneumol** 1987 Apr; 41(4):118–28 (Eng. Abstr.) **(Ger)**

[Proliferating ability of the lymphocytes of demodectic dogs during immune cell-stimulating therapy] Kraiss A. **Tierarztl Prax** 1987;15(1):63–6 (Eng. Abstr.) **(Ger)**

[Neopterin determination and lymphocyte marker analysis using monoclonal antibodies--possibilities of determining the immunologic system for indicating diagnostic and therapeutic measures] Volk HD, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(6):351–4 **(Ger)**

[New findings on the immunology of bronco-82] Brugo MA, et al. **Boll Ist Sieroter Milan** 1986;65(6):538–43 (Eng. Abstr.) **(Ita)**

[Biochemical aspects of lymphocyte metabolism. Immunomodulating role of cyclic nucleotides] Cedola MC, et al. **Boll Ist Sieroter Milan** 1986;65(5):325–31 (Eng. Abstr.) **(Ita)**

[Study of c-myc expression in the activation of human T cells] Suzuki H, et al. **Arerugi** 1986 Nov;35(11):1113–8 (Eng. Abstr.) **(Jpn)**

[Quantitative variations of lymphocyte subsets in various kinds of cancer patients in the terminal stage] Nakajima Y, et al. **Gan No Rinsho** 1986 Dec;32(15):1925–8 (Eng. Abstr.) **(Jpn)**

[A study on a functional difference in the mouse, rat and human I subregion products involved in the T cell proliferative responses to PPD] Kojima H. **Hokkaido Igaku Zasshi** 1987 Jan;62(1):20–32 (Eng. Abstr.) **(Jpn)**

[Immunologic backgrounds of patients with cardiomyopathy and myocarditis] Kishimoto C, et al. **Kokyu To Junkan** 1986 Aug;34(8):871–3 (Eng. Abstr.) **(Jpn)**

[An analysis of the immunologic role of murine tail epidermal and Langerhans cells in the induction of CTL in vitro] Iijima M. **Nippon Hifuka Gakkai Zasshi** 1986 Oct; 96(11):1143–50 **(Jpn)**

[The mechanisms of human B cell activation. VI. The role of HLA antigens and T cell differentiation antigens in the production of T cell-derived helper factors] Suzuki N, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Nov; 49(7):1396–403 (Eng. Abstr.) **(Jpn)**

[A study on the inhibition of lymphocytes response to mitogens by bile acids] Takase K. **Nippon Shokakibyo Gakkai Zasshi** 1987 May;84(5):1110–20 (Eng. Abstr.) **(Jpn)**

[Effect of activated T lymphocytes on the regulation of hematopoiesis] Harada M, et al. **Rinsho Ketsueki** 1986 Jul; 27(7):1212–20 (Eng. Abstr.) **(Jpn)**

[Signals for T cell growth] Koyasu S. **Seikagaku** 1986 Dec; 58(12):1474–7 (13 ref.) **(Jpn)**

[Effect of the serum of workers directly engaged in an automobile factory in Tychy on the transformation of lymphocytes in healthy persons] Tarchalska-Kryńska B, et al. **Med Pr** 1987;38(2):143–6 (Eng. Abstr.) **(Pol)**

[Macrophage activation in the immune response] Aznaurian AV, et al. **Arkh Anat Gistol Embriol** 1986 Dec;91(12):71–8 (Eng. Abstr.) **(Rus)**

[Spectrophotometric study of the initial stage of lymphocyte transformation] Tsaplin VS, et al. **Biofizika** 1986 Sep-Oct; 31(5):820–4 (Eng. Abstr.) **(Rus)**

[Stimulating effect of polyion on the production of cytolytic T lymphocytes in a cell culture in vitro] Derevianchenko IG, et al. **Biull Eksp Biol Med** 1986 Sep;102(9):327–9 (Eng. Abstr.) **(Rus)**

[Monoclonal antibodies to antigens found on the neutrophils, activated T-lymphocytes and blast cells in human acute leukemia] Miterev GIu, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):710–2 (Eng. Abstr.) **(Rus)**

[Modifying effect of IgE hyperproduction on the proliferative response of lymphocytes from intact mice and mice with transplanted tumors] Berezhnaia NM, et al. **Eksp Onkol** 1987;9(3):51–3 (Eng. Abstr.) **(Rus)**

[Cytotoxic activity and activation ability of Syrian hamster NK cells isolated in the Percoll density gradient] Matveeva VA, et al. **Eksp Onkol** 1987;9(1):34–7 (Eng. Abstr.) **(Rus)**

[In vivo induction of cytotoxic T lymphocytes in H-2Kbm mutant mice and cross-reactivity of narrowly specific killer clones] Kan ES, et al. **Genetika** 1987 Jan;23(1):45–54 (Eng. Abstr.) **(Rus)**

[Effect of Agrobacterium tumefaciens (Smith and Town). Conn. on the functional properties of human blood lymphocytes] Slepukhina LV, et al. **Mol Gen Mikrobiol Virusol** 1985 Aug;(8):35–8 (Eng. Abstr.) **(Rus)**

[Study of the lymphocyte blast transformation reaction as a criterion of prognosis in the outcome of treatment of uveal melanoblastomas] Kotelianskii EO. **Oftalmol Zh** 1986; (7):407–9 (Eng. Abstr.) **(Rus)**

[Immunological and morphological properties of in vitro transformed fibroblasts. III. Recognition by macrophages and activated lymphocytes of mouse and rat cells of various degrees of tumorigenicity] Lavrovskiĭ VA, et al. **Tsitologiia** 1987 May;29(5):589–95 (Eng. Abstr.) **(Rus)**

[The effect of the type of diabetes,the HLA type and metabolic status on cellular immunity in diabetic patients] Zamaklar M, et al. **Glas Srp Akad Nauka [Med]** 1985; (37):69–75 (Eng. Abstr.) **(See)**

[Effect of hyperlipemia on mitogen-induced blastogenesis in lymphocytes isolated from the rat spleen] Somogyi A, et al. **Allergol Immunopathol (Madr)** 1987 Mar-Apr; 15(2):89–92 (Eng. Abstr.) **(Spa)**

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cis-Urocanic acid does not inhibit mitogen induced lymphocyte transformation in man. Higaki Y, et al. **Acta Derm Venereol (Stockh)** 1986;66(6):523–6

3,4-Dihydroxypyridine: a potential antithyroid drug. Hallengren B, et al. **Acta Endocrinol (Copenh)** 1987 Feb; 114(2):305–7

Influence of exogenous interleukin-2 on the proliferation of lymphocytes from normal donors and from patients after autologous bone marrow transplantation. Borradori L, et al. **Acta Haematol (Basel)** 1987;77(3):129–34

HLA (class I antigen) status and cell-mediated immunity in multiple sclerosis. Duggan-Keen M, et al. **Acta Neurol Scand** 1987 Mar;75(3):218–20

Expression of MHC class II antigen, interleukin-2 receptor, transferrin receptor and gp 40/80 glycoprotein during different phases of a normal PHA-driven lymphocyte activation in vitro. Konttinen YT, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1986 Oct; 94(5):181–6

The role of reactive intermediates in sulfhydryl-dependent immunotoxicity: interference with microtubule assembly and microtubule-dependent cell function. Irons RD. **Adv Exp Med Biol** 1986;197:645–55

Inhibition of human B cell proliferation by ion channel blockers. Vayuvegula B, et al. **Adv Exp Med Biol** 1987; 213:237–40

New insight into dexamethasone activity in lymphoblast transformation of mouse thymocytes. Bertin B, et al. **Agents Actions** 1986 Dec;19(5-6):346–8

Functional properties of lectin-induced thermostable SE rosette (TSER)-forming cells derived from human peripheral blood. Jahn S, et al. **Allerg Immunol (Leipz)** 1987; 33(1):21–6

The embryotoxic and immunodepressive effects of gossypol. Sein GM. **Am J Chin Med** 1986;14(3-4):110–5

The effect of IFN-gamma and alpha on Con-A stimulated T-cell proliferation: role of monocytes. Haq AU. **Am J Med Sci** 1986 Dec;292(6):350–5

T-cell-dependent modulation of the polyclonal B-lymphocyte responses in normal spleen cell cultures stimulated by lipopolysaccharide. Björklund M, et al. **Ann Inst Pasteur Immunol** 1987 Mar-Apr;138(2):181–99

Modulation of lymphocyte function by endorphins. Heijnen CJ, et al. **Ann NY Acad Sci** 1987;496:161–5

Is dopamine related to immunologic changes in schizophrenic patients? Kerepčić I, et al. **Ann NY Acad Sci** 1987;496:737–9

In vitro studies of immunoregulation by substance P and somatostatin. Stanisz AM, et al. **Ann NY Acad Sci** 1987; 496:217–25

Interaction between lymphocytes and neurotransmitters. Werner H, et al. **Ann NY Acad Sci** 1987;496:312–5

Aryl-fluoroquinolone derivatives A-56619 (difloxacin) and A-56620 inhibit mitogen-induced human mononuclear cell proliferation. Gollapudi SV, et al. **Antimicrob Agents Chemother** 1986 Sep;30(3):390–4

Effect of azathioprine on the early stages of human lymphocyte activation. Drela N, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(2):209–15

B-cell activation and immunoregulation in end-stage renal disease patients receiving hemodialysis. Raskova J, et al. **Arch Intern Med** 1987 Jan;147(1):89–93

The in vitro effects of trichothecenes on the immune system. Miller K, et al. **Arch Toxicol [Suppl]** 1987;11:321–4

Augmentation of immune responses in vitro by cianidanol. Mizoguchi Y, et al. **Arerugi** 1986 Jun;35(6):422–7

The immunomodulating effect of theophylline on lymphocytes from chronic lymphocytic leukemia patients. Komlos L, et al. **Asian Pac J Allergy Immunol** 1986 Dec; 4(2):89–94

Modulation of lymphocyte proliferation by murine liver extract. Su HL, et al. **Asian Pac J Allergy Immunol** 1987 Jun;5(1):17–24

The protein kinase C inhibitor H-7, inhibits antigen and IL-2-induced proliferation of murine T cell lines. Clark RB, et al. **Biochem Biophys Res Commun** 1987 Jun 15; 145(2):666–72

Stimulation of phosphatidylinositol turnover by concanavalin A is not sufficient to activate mouse thymocytes. Feister AJ, et al. **Biochem Biophys Res Commun** 1986 Dec 15; 141(2):657–64

Inhibition of human lymphocyte proliferation and interleukin 2 production by platelet activating factor (PAF-acether): reversal by a specific antagonist, BN 52021. Rola-Pleszczynski M, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):754–60

Inhibitors of protein kinase C block activation of B lymphocytes by bacterial lipopolysaccharide. Rush JS, et al. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1315–20

Effect of AY 9944 and chlorpromazine on Concanavalin A-induced stimulation of human lymphocytes. Barbu V, et al. **Biochem Pharmacol** 1987 Feb 1;36(3):353–6

Signal response transduction in rabbit neutrophil leucocytes. The effects of exogenous phospholipase A2 suggest two pathways exist. Lackie JM, et al. **Biochem Pharmacol** 1987 Jun 15;36(12):1941–5

In vitro and in vivo effects of indomethacin on phytohemagglutinin-stimulated lymphocyte mitogenesis. Seng GF, et al. **Biochem Pharmacol** 1987 Feb 15; 36(4):507–11

Extracellular ATP increases cytosolic free calcium in thymocytes and initiates the blastogenesis of the phorbol 12-myristate 13-acetate-treated medullary population. el-Moatassim C, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):437–44

Regulation of lipogenesis in mitogen-stimulated human lymphocytes by thyroid hormones. Lemmen C, et al. **Biol Chem Hoppe Seyler** 1986 Jul;367(7):533–7

Differences in interferon-gamma response of psoriatic lymphocytes to stimulation with various mitogens. Goan SR, et al. **Biomed Biochim Acta** 1986;45(7):903–6

Low molecular weight B cell growth factor induces proliferation of human B cell precursor acute lymphoblastic leukemias. Wörmann B, et al. **Blood** 1987 Jul;70(1):132–8

Role of monocytes in the inhibitory effect of calcitriol on PHA-stimulated lymphocytes. Zarrabeitia MT, et al. **Blut** 1987 Jun;54(6):343–9

Extracts of feverfew inhibit mitogen-induced human peripheral blood mononuclear cell proliferation and cytokine mediated responses: a cytotoxic effect. O'Neill LA, et al. **Br J Clin Pharmacol** 1987 Jan;23(1):81–3

Inhibition of human lymphocyte transformation by a low molecular weight seminal factor. Lugaro G, et al. **Cell Biol Int Rep** 1987 Jun;11(6):497

Leukotriene B4 causes proliferation of interleukin 2-dependent T cells in the presence of suboptimal levels of interleukin 2. Atluru D, et al. **Cell Immunol** 1986 May; 99(2):444–52

Differential effect of cyclosporin-A on the mixed-lymphocyte culture-induced proliferative and cytotoxic responses of T lymphocytes with different cell densities. Bejarano MT, et al. **Cell Immunol** 1986 Dec; 103(2):409–16

Recombinant interleukin-2-induced polyclonal proliferation of in vitro unstimulated human peripheral blood lymphocytes. Bich-Thuy LT, et al. **Cell Immunol** 1986 Apr 1;98(2):396–410

Preexposure of resting B cells to interferon-gamma enhances their proliferative response to subsequent activation signals. Boyd AW, et al. **Cell Immunol** 1987 May;106(2):355–65

In vitro effects of retinoids on murine thymus-dependent and thymus-independent mitogenesis. Dillehay DL, et al. **Cell Immunol** 1987 Jun;107(1):130–7

Divergent effects of cyclosporine A on interferon- and mitogen-induced Ly-6A antigen suggest autocrine regulation of Ly-6A expression in activated T cells. Dumont FJ. **Cell Immunol** 1987 Apr 1;105(2):355–65

Interleukin 2 responsiveness of immature T-cell colony-forming cells (T-CFC) from patients with acute T-cell lymphoblastic leukemias. Georgoulias V, et al. **Cell Immunol** 1987 Apr 1;105(2):317–31

Distinct effects of dual substitution on inductive and differentiative activities of C8-substituted guanine ribonucleosides. Goodman MG, et al. **Cell Immunol** 1986 Oct 15;102(2):395–402

Autologous mixed-lymphocyte reaction in man. XVII. In vitro effect of ion channel-blocking agents on the autologous mixed-lymphocyte response. Gupta S. **Cell Immunol** 1987 Feb;104(2):290–5

Gangliosides suppress the proliferation of autoreactive cells in experimental allergic encephalomyelitis: ganglioside effects on IL-2 activity. Jackson KM, et al. **Cell Immunol** 1987 Jan;104(1):169–81

A novel mechanism of immunosuppression mediated by ethanol. Kaplan DR. **Cell Immunol** 1986 Oct 1;102(1):1–9

Activation of murine B lymphocytes by suramin. Kirchner H, et al. **Cell Immunol** 1986 Apr 1;98(2):560–3

Regulation of rat natural killing. II. Inhibition of cytolysis and activation by inhibitors of lipoxygenase: possible role of leukotrienes. Leung KH, et al. **Cell Immunol** 1986 Jul; 100(2):474–84

Studies of the mechanism by which gangliosides inhibit the proliferative response of murine splenocytes to concanavalin A. Marcus DM, et al. **Cell Immunol** 1987 Jan; 104(1):71–8

Similarities and distinctions between murine natural killer cells and lymphokine-activated killer cells. Merluzzi VJ, et al. **Cell Immunol** 1986 Jul;100(2):563–9

Suppression of cytotoxic T-lymphocyte activation by pyruvate and L-alanine. Mihm S, et al. **Cell Immunol** 1986 May;99(2):313–21

Osmotic enhancement of mitogenic stimulation in PNA-negative murine thymocytes. Novogrodsky A, et al. **Cell Immunol** 1987 Apr 1;105(2):262–9

Circannual rhythm in natural killer activity and mitogen responsiveness of murine splenocytes. Pati AK, et al. **Cell Immunol** 1987 Aug;108(1):227–34

Regulation of T-cell activation and T-cell growth factor (TCGF) production by hydrogen peroxide. Roth S, et al. **Cell Immunol** 1987 Sep;108(2):417–24

Stimulation of murine B cells by the combination of calcium ionophore plus phorbol ester. Rothstein TL, et al. **Cell Immunol** 1986 Oct 15;102(2):364–73

Jacalin, an IgA-binding lectin, inhibits differentiation of human B cells by both a direct effect and by activating T-suppressor cells. Saxon A, et al. **Cell Immunol** 1987 Jan; 104(1):134–41

Modulation of lymphocyte proliferation and immunoglobulin synthesis by interferon-gamma and "type I" interferons. Siegel DS, et al. **Cell Immunol** 1986 Sep;101(2):380–90

Prostaglandin E2 inhibits human T-cell proliferation after crosslinking of the CD3-Ti complex by directly affecting T cells at an early step of the activation process. Vercammen C, et al. **Cell Immunol** 1987 Jan;104(1):24–36

Stimulation of murine lymphocyte responses by cations. Warner GL, et al. **Cell Immunol** 1986 Sep;101(2):425–39

Large, activated B cells are the primary B-cell target of 8-bromoguanosine and 8-mercaptoguanosine. Wicker LS, et al. **Cell Immunol** 1987 May;106(2):318–29

Regulation of T15 idiotype dominance. III. Phosphocholine-specific B-cell activation in vivo requires major histocompatibility complex-restricted T-cell help. Wicker LS, et al. **Cell Immunol** 1986 Jul;100(2):570–6

Cytochalasin B enhances T cell mitogenesis by promoting expression of an interleukin 2 receptor. Komada H, et al. **Cell Struct Funct** 1987 Jun;12(3):281–5

Aliphatic aldehydes inhibit the proliferative response of human peripheral blood lymphocytes to phytohemagglutinin and alloantigens. Tessitore L, et al. **Chem Biol Interact** 1987;62(3):217–26

Effects of anti-tuberculosis drugs on the production of prostaglandin E2 and on mononuclear leucocyte transformation. Zeis BM. **Chemotherapy** 1987;33(3):204–10

The effect of iron (Fe3+) on the cloning efficiency of human memory T4+ lymphocytes. Good MF, et al. **Clin Exp Immunol** 1986 Nov;66(2):340–7

The suppressive effect of gammaglobulin preparations on in vitro pokeweed mitogen-induced immunoglobulin production. Hashimoto F, et al. **Clin Exp Immunol** 1986 Aug;65(2):409–15

Analysis of isolated and combined effects of calcium ionophore and phorbol ester on T lymphocyte activation. Nóbrega AF, et al. **Clin Exp Immunol** 1986 Sep; 65(3):559–69

LPS augments human B-cell differentiation by direct stimulation of PWM-responsive B cells. Anderson SJ, et al. **Clin Immunol Immunopathol** 1987 Sep;44(3):259–71

Dipyridamol inhibits activation of human T lymphocytes in vitro. Brusered O. **Clin Immunol Immunopathol** 1987 Jan; 42(1):102–9

T-cell activation defect in common variable immunodeficiency: restoration by phorbol myristate acetate (PMA) or allogeneic macrophages. Fiedler W, et al. **Clin Immunol Immunopathol** 1987 Aug;44(2):206–18

In vitro effects of thymosin and lithium on lymphoproliferative responses of normal donors and HIV seropositive male homosexuals with AIDS-related complex. Sztein MB, et al. **Clin Immunol Immunopathol** 1987 Jul;44(1):51–62

Ciclosporin does not inhibit the early steps of lymphocyte activation. Brando B, et al. **Contrib Nephrol** 1986;51:19–22

Lack of effect of exogenous recombinant interleukin-2 on trauma-induced abnormalities in lymphocyte proliferation. Abraham E, et al. **Crit Care Med** 1986 Oct;14(10):847–51

Boosting effects in BCG-vaccinated guinea pigs of tuberculin skin tests on subsequent skin tests and on the in vitro lymphocyte transformation response. Hasløv K. **Dev Biol Stand** 1986;58 (Pt B):517–21

Triiodothyronine affects mitogen responsiveness in sex-linked dwarf and Cornell K strain chickens. Erf GF, et al. **Dev Comp Immunol** 1987 Spring;11(2):395–406

Cromolyn's effects on the immune system [letter] Ciprandi G, et al. **Diagn Immunol** 1986;4(6):312–4

Early activation marker expression to detect impaired proliferative responses to pokeweed mitogen and tetanus toxoid: studies in patients with AIDS and related disorders. Prince HE, et al. **Diagn Immunol** 1986;4(6):306–11

T cell suppressor factor from human glioblastoma cells is a 12.5-kd protein closely related to transforming growth factor-beta. Wrann M, et al. **EMBO J** 1987 Jun;6(6):1633–6

T-cell activation in pulmonary lymph nodes of mice exposed to ozone. Dziedzic D, et al. **Environ Res** 1986 Dec; 41(2):610–22

Differences in lymphocyte mitogenic stimulation pattern depending on anaesthesia and operative trauma: II. Combined neuroleptanaesthesia. Koenig A, et al. **Eur J Anaesthesiol** 1987 Jan;4(1):25–33

Differences in lymphocyte mitogenic stimulation pattern depending on anaesthesia and operative trauma: I. Halothane-nitrous oxide anaesthesia. Koenig A, et al. **Eur J Anaesthesiol** 1987 Jan;4(1):17–24

In vivo administration of interleukin 2 stimulates mitosis in thymus and bone marrow. Gearing AJ, et al. **Eur J Immunol** 1986 Sep;16(9):1171–4

Effect of stereospecificity of chemically synthesized lipid A-subunit analogues GLA-27 and GLA-40 on the expression of immunopharmacological activities. Kumazawa Y, et al. **Eur J Immunol** 1987 May;17(5):663–7

Structural requirements for inducing in vitro B lymphocyte activation by chemically synthesized derivatives related to the nonreducing D-glucosamine subunit of lipid A. Kumazawa Y, et al. **Eur J Immunol** 1986 Sep; 16(9):1099–103

Interleukin 2 is a proliferative signal for B cells from autoimmune mice. Lehmann KR, et al. **Eur J Immunol** 1986 Sep;16(9):1105–10

T cell nature of some lymphokine-activated killer (LAK) cells. Frequency analysis of LAK precursors within human T cell populations and clonal analysis of LAK effector cells. Moretta L, et al. **Eur J Immunol** 1986 Dec; 16(12):1623–5

Comparison of the effects of 1,25-dihydroxyvitamin D3 on T lymphocyte subpopulations. Rigby WF, et al. **Eur J Immunol** 1987 Apr;17(4):563–6

Induction of human B cell proliferation and differentiation by the combination of phorbol ester and ionomycin. Roifman CM, et al. **Eur J Immunol** 1987 May;17(5):701–6

Activation of T cells by cross-linking an anti-CD3 antibody with a second anti-T cell antibody: mechanism and subset-specific activation. Walker C, et al. **Eur J Immunol** 1987 Jun;17(6):873–80

Modulation of intracellular glutathione concentrations alters lymphocyte activation and proliferation. Fidelus RK, et al. **Exp Cell Res** 1987 Jun;170(2):269–75

Transforming growth factor type beta (TGF beta) inhibits G1 to S transition, but not activation of human B lymphocytes. Smeland EB, et al. **Exp Cell Res** 1987 Jul; 171(1):213–22

Rat hypothalamus contains an antimitogenic factor acting via benzodiazepine receptors. Pawlikowski M, et al. **Exp Clin Endocrinol** 1986 Dec;88(3):270–4

Ascaris suum: human lymphocyte mitogenic factor content. Sasagawa S, et al. **Exp Parasitol** 1987 Aug;64(1):71–7

PA-II, the L-fucose and D-mannose binding lectin of Pseudomonas aeruginosa stimulates human peripheral lymphocytes and murine splenocytes. Avichezer D, et al. **FEBS Lett** 1987 May 25;216(1):62–6

Influence of hydroxyurea on lectin-induced early and late events in peripheral blood lymphocyte cultures. Jahn S, et al. **Folia Biol (Praha)** 1987;33(3):154–65

Immunological responsiveness of mouse spleen cells after in vivo or in vitro exposure to 3-acetyldeoxynivalenol. Tomar RS, et al. **Food Chem Toxicol** 1987 May;25(5):393–8

A case of salicylazosulfapyridine (Salazopyrin)-induced acute pancreatitis with positive lymphocyte stimulation test (LST). Chiba M, et al. **Gastroenterol Jpn** 1987 Apr; 22(2):228–33

Effects of methimazole on human lymphocyte proliferation and natural killer cell activity. Sharma BS, et al. **Gen Pharmacol** 1987;18(4):449–53

Increased density of class I major histocompatibility complex antigens and decreased density of T-cell differentiation antigens in the early stages of T-cell activation. Matsui Y. **Hum Immunol** 1987 Feb;18(2):123–33

Effect of an inhibitor of DNA methylation on T cells. II. 5-Azacytidine induces self-reactivity in antigen-specific T4+ cells. Richardson B. **Hum Immunol** 1986 Dec; 17(4):456–70

Effect of the progesterone-inducible proteins human lactoferrin and chicken avidin on lymphocyte proliferation. Ashorn RG, et al. **Hum Reprod** 1986 Apr;1(3):149–51

Heavy-metal mitogenesis: thymocyte activation by Zn++ requires 2-mercaptoethanol and lipopolysaccharide as cofactors. Reardon CL, et al. **Immunobiology** 1987 Mar; 174(2):233–43

Cyclosporine inhibits the expression of receptors for interleukin 2 and transferrin on mitogen-activated human T lymphocytes. Prince HE, et al. **Immunol Invest** 1986 Aug; 15(5):463–72

Recombinant interleukin-2 inhibits growth of human tumor xenografts in congenitally athymic mice. Bubeník J, et al. **Immunol Lett** 1987 Apr;14(4):325–30

Interplay between extracellular -SH groups and Ca2+ in their mitogenic action on murine lymphocytes: the role of SiO2. Burger M, et al. **Immunol Lett** 1987 Apr; 14(4):277–82

Effects of concanavalin A, phytohemagglutinin, pokeweed mitogen, and lipopolysaccharide on the replication and immunoglobulin synthesis by canine peripheral blood lymphocytes in vitro. Letwin BW, et al. **Immunol Lett** 1987 Jan;14(2):79–85

The rabbit immune system: cells regulating the proliferative response of purified T cells to concanavalin A and phytohaemagglutinin. Ponsard DC, et al. **Immunol Lett** 1986 Aug;13(1-2):63–9

Pokeweed mitogen activated suppressor T-cells preferentially reduce immunoglobulin secretion by differentiated B-lymphocytes. Pryjma J, et al. **Immunol Lett** 1986 Oct 15;13(5):273–9

Intact proteoglycan is a polyclonal activator of murine B-lymphocytes. Siegel JN, et al. **Immunol Lett** 1987 Jun; 15(2):127–32

Lymphocyte stimulation in vitro by orosomucoid glycoprotein. Singh VK, et al. **Immunol Lett** 1986 Nov 17;14(1):9–13

Polyclonal activation of human peripheral blood lymphocytes by bacterial porins and defined porin fragments. Vordermeier HM, et al. **Immunol Lett** 1987 Jun; 15(2):121–6

Adenosine induced production of a soluble factor affecting lymphocyte activation. Zocchi MR, et al. **Immunol Lett** 1986 Oct 15;13(5):245–53

Modulation of polyclonal activation by plasma fibronectin and fibronectin fragments. Dziarski R. **Immunology** 1987 Jun;61(2):111–6

Human cytotoxic T lymphocytes. II. Frequency analysis of cyclosporin A-sensitive alloreactive cytotoxic T-lymphocyte precursors. Kabelitz D, et al. **Immunology** 1987 May;61(1):57–62

Regulation of human tonsillar T-cell proliferation by the active metabolite of vitamin D3. Nunn JD, et al. **Immunology** 1986 Dec;59(4):479–84

Demonstration of an indomethacin-sensitive mechanism regulating immune reactivity in Chagas' disease patients. Castes M, et al. **Immunopharmacology** 1986 Dec; 12(3):203–12

Modulation of human concanavalin A-induced lymphocyte proliferative response by physiological concentrations of beta-endorphin. Fontana L, et al. **Immunopharmacology** 1987 Apr;13(2):111–5

Suppressive effect of thymosin fraction 5 on proliferation of cultured human T lymphocytes. Wolf RE, et al. **Immunopharmacology** 1986 Dec;12(3):233–40

The enhancement of the proliferative response of peripheral blood lymphocytes of workers in semiconductor plant. Yoshida T, et al. **Ind Health** 1987;25(1):29–33

Concanavalin A-induced suppressor cell activity in untreated cancer cervix patients. Satam MN, et al. **Indian J Med Res** 1986 Jul;84:62–6

Synergistic enhancement of mitogen responses of human lymphocytes by inhibitors of cyclo-oxygenase and 5,8,11-eicosatriynoic acid, an inhibitor of 12-lipoxygenase and leukotriene biosynthesis. Blomgren H, et al. **Int Arch Allergy Appl Immunol** 1987;83(3):247–55

Effect of serotonin on T lymphocyte proliferation in vitro in healthy individuals. Khan IA, et al. **Int Arch Allergy Appl Immunol** 1986;81(4):378–80

Stimulating effect of unfractionated heparin and a low molecular weight heparin fragment on the DNA synthesis response of human thymocytes to mercuric chloride. Nordlind K. **Int Arch Allergy Appl Immunol** 1986; 81(2):126–8

In vitro effects of sodium lauryl sulfate on DNA synthesis and fine structure of human thymocytes. Nordlind K, et al. **Int Arch Allergy Appl Immunol** 1986;81(2):165–9

Modulating effect of beta-endorphin, somatostatin, substance P and vasoactive intestinal peptide on the proliferative response of peripheral blood T lymphocytes of nickel-allergic patients to nickel sulfate. Nordlind K, et al. **Int Arch Allergy Appl Immunol** 1986;81(4):368–70

Mitogenic responses of splenic B and T lymphocytes in neonatally capsaicin-treated mice. Sandberg G, et al. **Int Arch Allergy Appl Immunol** 1986;81(4):343–7

Defective concanavalin A-induced suppression in bancroftian filariasis. Vanamala CR, et al. **Int Arch Allergy Appl Immunol** 1987;83(4):410–3

Plant-derived diterpene esters enhance HTLV-I-induced colony formation of lymphocytes in co-culture. Matsuda S, et al. **Int J Cancer** 1986 Dec 15;38(6):859–65

In vivo effect of isoprinosine on interleukin-2 production, lymphocyte mitogenesis and NK activity in normal and cyclophosphamide immunosuppressed mice. Barasoain I, et al. **Int J Immunopharmacol** 1986;8(5):509–15

Effect of antimalarial drugs on stimulation and interleukin 2 production of human lymphocytes. Bygbjerg IC, et al. **Int J Immunopharmacol** 1987;9(4):513–9

Differential effect of isoprinosine on lymphocyte proliferation: comparison of two tissue culture media. Cabrera EJ, et al. **Int J Immunopharmacol** 1986;8(8):893–6

8-Methoxypsoralen inhibits lymphocyte proliferation in vitro in the absence of ultraviolet radiation. Cox GW, et al. **Int J Immunopharmacol** 1987;9(4):475–81

Decrease of mononuclear phagocyte cell functions and prolongation of graft survival in experimental transplantation by (+/-)-15-deoxyspergualin. Dickneite G, et al. **Int J Immunopharmacol** 1987;9(5):559–65

Polyclonal activation of lymphocytes induced in the mouse by acebutolol, a beta blocking agent. In S, et al. **Int J Immunopharmacol** 1986;8(8):911–7

Alleviation of depressed immunity caused by restraint-stress, by the immunomodulator, lobenzarit disodium (disodium 4-chloro-2,2'-iminodibenzoate). Komori T, et al. **Int J Immunopharmacol** 1987;9(4):433–41

The immunosuppressive potency in vitro of physiological and synthetic steroids on lymphocyte cultures. Langhoff E, et al. **Int J Immunopharmacol** 1987;9(4):469–73

Mechanism of action of the new immunomodulator LS2616 on T cell responses. Larsson EL, et al. **Int J Immunopharmacol** 1987;9(4):425–31

Acetylspiramycin and the immune system--II. Effects on lymphocyte proliferation, lymphokine production, delayed-type hypersensitivity and antibody production. Li SY, et al. **Int J Immunopharmacol** 1986;8(6):657–64

The combined effect of prostaglandin E2 and interleukin 1 on interleukin 2 production and lymphocyte proliferation. Maca RD. **Int J Immunopharmacol** 1987;9(5):611–8

Beta-lactam antibiotics and human lymphocyte function: the in vitro effect on blastogenesis, lymphokine production and suppressor cell functions. Rouveix B, et al. **Int J Immunopharmacol** 1987;9(5):567–75

Mechanisms by which barbiturates suppress lymphocyte responses to phytohaemagglutinin stimulation. Spiers EM, et al. **Int J Immunopharmacol** 1987;9(4):505–12

Modulatory effects of glucocorticoids on immunoregulatory functions of epidermal cells. Stošić-Grujičić S, et al. **Int J Immunopharmacol** 1987;9(5):577–85

Inhibition of the induction of alloreactivity with mitoxantrone. Wang BS, et al. **Int J Immunopharmacol** 1986;8(8):967–73

Purified podophyllotoxin (CPH-86) inhibits lymphocyte proliferation but augments macrophage proliferation. Zheng QY, et al. **Int J Immunopharmacol** 1987;9(5):539-49

Modulation of human lymphocyte proliferation by normal bovine vitreous. Young E, et al. **Invest Ophthalmol Vis Sci** 1987 Apr;28(4):753-6

T cell reactivity to penicillin: phenotypic analysis of in vitro activated cell subsets. Koponen M, et al. **J Allergy Clin Immunol** 1986 Oct;78(4 Pt 1):645-52

Lymphocyte proliferation to antigen E: demonstration of the restriction of antigen E-specific T cells to ragweed-allergic donors. Phillips L, et al. **J Allergy Clin Immunol** 1987 Jun; 79(6):933-40

Selective suppression by prodigiosin of the mitogenic response of murine splenocytes. Nakamura A, et al. **J Antibiot (Tokyo)** 1986 Aug;39(8):1155-9

Blastogenic responses and the release of interleukins 1 and 2 by spleen cells obtained from rat skin allograft recipients administered with 15-deoxyspergualin. Nemoto K, et al. **J Antibiot (Tokyo)** 1987 Jul;40(7):1062-4

The effect of topically applied n-butylester of 2,4-dichlorophenoxyacetic acid on the immune response in mice. Blakley BR, et al. **J Appl Toxicol** 1986 Aug; 6(4):291-5

A new class of synthetic biological response modifiers: the methylfurylbutyrolactones (Nafocare B). Veltri RW, et al. **J Biol Response Mod** 1986 Oct;5(5):444-61

Inhibition of T-lymphocyte activation by amiloride. Baliga BS, et al. **J Cell Biochem** 1987 Mar;33(3):151-60

Inhibition by phorbol esters of antiimmunoglobulin-induced calcium signalling and B-cell activation. Rothstein TL, et al. **J Cell Physiol** 1986 Dec;129(3):347-55

2-Mercaptoethanol acts at the restricted stage of interleukin-2 dependent lymphocyte proliferation. Sugama K, et al. **J Cell Physiol** 1987 Apr;131(1):23-8

Analysis of prostaglandin E2 effect on T lymphocyte activation. Abrogation of prostaglandin E2 inhibitory effect by the tumor promotor 12.0 tetradecanoyl phorbol-13 acetate. Chouaib S, et al. **J Clin Invest** 1987 Aug; 80(2):333-40

Regulation of lymphokine production and human T lymphocyte activation by 1,25-dihydroxyvitamin D3. Specific inhibition at the level of messenger RNA. Rigby WF, et al. **J Clin Invest** 1987 Jun;79(6):1659-64

Immune response to murine neuroblastoma: effects of in vitro culture of the tumor. Mitogen and mixed lymphocyte culture responses, interleukin-2 production, suppression and natural killer activity. Leclercq G, et al. **J Clin Lab Immunol** 1986 Nov;21(3):117-23

Immune dysfunction in primary biliary cirrhosis (PBC): I. Increased sensitivity of PHA stimulated lymphocyte cultures to indomethacin. Licastro F, et al. **J Clin Lab Immunol** 1987 May;23(1):19-23

Supplement of exogenous IL2 abrogates induction of tolerance in drug-induced T cell proliferation. Ikezawa Z, et al. **J Dermatol (Tokyo)** 1986 Jun;13(3):185-9

Occurrence of lymphocyte proliferative response to thyroglobulin and antithyroglobulin antibodies in normal individuals: lack of correlation with HLA. Bagnasco M, et al. **J Endocrinol Invest** 1987 Apr;10(2):203-6

Use of mitogen-induced lymphocyte transformation to assess toxicity of aminoglycosides. Metcalf JF, et al. **J Environ Pathol Toxicol Oncol** 1987 Mar-Apr;7(4):27-37

Effects of five kampohozais on the mitogenic activity of lipopolysaccharide, concanavalin A, phorbol myristate acetate and phytohemagglutinin in vivo. Iwama H, et al. **J Ethnopharmacol** 1986 Nov;18(2):193-204

B cell stimulatory factor 1 (interleukin 4) is a potent costimulant for normal resting T lymphocytes. Hu-Li J, et al. **J Exp Med** 1987 Jan 1;165(1):157-72

Effect of tumor necrosis factor alpha on mitogen-activated human B cells. Kehrl JH, et al. **J Exp Med** 1987 Sep 1; 166(3):786-91

Lymphokine-activated killer cells. Analysis of progenitors and effectors. Ortaldo JR, et al. **J Exp Med** 1986 Oct 1; 164(4):1193-205

Direct activation of human resting T cells by IL 2: the role of an IL 2 receptor distinct from the Tac protein. Bich-Thuy LT, et al. **J Immunol** 1987 Sep 1;139(5):1550-6

Recombinant IL 2 but not recombinant interferon-gamma stimulates both proliferation and IgM secretion in a Ly-1+ clone of neoplastic murine B cells (BCL1). Brooks KH, et al. **J Immunol** 1986 Nov 15;137(10):3205-10

Alpha melanocyte stimulating hormone inhibits immunostimulatory and inflammatory actions of interleukin 1. Cannon JG, et al. **J Immunol** 1986 Oct 1;137(7):2232-6

Effect of antioxidants on primary alloantigen-induced T cell activation and proliferation. Chaudhri G, et al. **J Immunol** 1986 Oct 15;137(8):2646-52

Behavior of aldehyde moieties involved in the activation of suppressor cells by sodium periodate. Dehoux-Zenou SM, et al. **J Immunol** 1987 Feb 15;138(4):1157-63

Comparison of the calcium requirement for the induction and maintenance of B cell class II molecule expression and for B cell proliferation stimulated by mitogens and purified growth factors. Dennis GJ, et al. **J Immunol** 1987 Jun 15; 138(12):4307-12

Polyclonal B cell activation by a B cell differentiation factor, B151-TRF2. III. B151-TRF2 as a B cell differentiation factor closely associated with autoimmune disease. Dobashi K, et al. **J Immunol** 1987 Feb 1;138(3):780-7

Characterization of a novel murine T cell-activating factor. Garman RD, et al. **J Immunol** 1987 Feb 15;138(4):1121-9

The cyclosporins inhibit lymphocyte activation at more than one site. Gelfand EW, et al. **J Immunol** 1987 Feb 15; 138(4):1115-20

Regulation of B cell activation by prostaglandins: cell cycle-specific effects on activation by anti-immunoglobulin and 8-mercaptoguanosine. Goodman MG. **J Immunol** 1986 Dec 15;137(12):3753-7

Human T lymphocyte activation by tumor promoters: role of protein kinase C. Isakov N, et al. **J Immunol** 1987 May 15;138(10):3100-7

PMA alone induces proliferation of some murine T cell clones but not others. Kim DK, et al. **J Immunol** 1986 Nov 1;137(9):2755-60

Vitamin D affects proliferation of a murine T helper cell clone. Lacey DL, et al. **J Immunol** 1987 Mar 15; 138(6):1680-6

A synthetic analogue of Escherichia coli lipoprotein, tripalmitoyl pentapeptide, constitutes a potent immune adjuvant. Lex A, et al. **J Immunol** 1986 Oct 15; 137(8):2676-81

HTLV-III large envelope protein (gp120) suppresses PHA-induced lymphocyte blastogenesis. Mann DL, et al. **J Immunol** 1987 Apr 15;138(8):2640-4

Recombinant interferon-alpha, -beta, and -gamma enhance the proliferative response of human B cells. Morikawa K, et al. **J Immunol** 1987 Aug 1;139(3):761-6

The role of interleukin 2 in inducing Ig production in a pokeweed mitogen-stimulated mononuclear cell system. Nakagawa N, et al. **J Immunol** 1987 Feb 1;138(3):795-801

Cyclosporine-induced tolerance in experimental organ transplantation. Evidence of diminished donor-specific cytotoxicity relative to donor-specific proliferative response. Norin AJ, et al. **J Immunol** 1987 Jul 15; 139(2):332-7

Age-related defect in signal transduction during lectin activation of murine T lymphocytes. Proust JJ, et al. **J Immunol** 1987 Sep 1;139(5):1472-8

Inhibition of B lymphocyte activation by interferon-gamma. Reynolds DS, et al. **J Immunol** 1987 Aug 1;139(3):767-73

Novel immunosuppressive agent, FK506. In vitro effects on the cloned T cell activation. Sawada S, et al. **J Immunol** 1987 Sep 15;139(6):1797-803

Neutrophil recruitment and bacterial clearance correlated with LPS responsiveness in local gram-negative infection. Shahin RD, et al. **J Immunol** 1987 May 15;138(10):3475-80

B cell stimulatory factor-1 (interleukin 4) prepares resting murine B cells to secrete IgG1 upon subsequent stimulation with bacterial lipopolysaccharide. Snapper CM, et al. **J Immunol** 1987 Jul 1;139(1):10-7

In vitro activation of specific helper and suppressor T cells by the type 2 antigen polyvinylpyrrolidone (PVP). Van Buskirk AM, et al. **J Immunol** 1987 Sep 1;139(5):1400-5

Presence of mitomycin resistant T cells in peripheral blood of normal individuals. Fernandez LA, et al. **J Immunol Methods** 1987 Apr 16;98(2):271-7

Variation in the lymphocyte transformation assay. Slope analysis of cell dose-response curves. Ross G, et al. **J Immunol Methods** 1987 Apr 16;98(2):189-93

Lymphocyte activation by phytohaemagglutinin and pokeweed mitogen. Identification of proliferating cells by monoclonal antibodies. Serke S, et al. **J Immunol Methods** 1987 May 20;99(2):167-72

In vitro proliferation of lymphocytes from cyclophosphamide-pretreated mice immunized with antigen mixed with dimethyl dioctadecyl ammonium bromide. Ziola B, et al. **J Immunol Methods** 1987 Mar 12; 97(2):159-64

Some effects of flavonoids on lymphocyte proliferative responses. Mookerjee BK, et al. **J Immunopharmacol** 1986; 8(3):371-92

Modulation of interferon-alpha and interferon-gamma receptor expression during T-lymphocyte activation and proliferation. Faltynek CR, et al. **J Interferon Res** 1986 Dec;6(6):639-53

Inhibition by leukotriene B5 of leukotriene B4-induced activation of human keratinocytes and neutrophils. Kragballe K, et al. **J Invest Dermatol** 1987 May;88(5):555-8

Epidermal cell-derived lymphocyte differentiating factor (ELDIF) inhibits in vitro lymphoproliferative responses and interleukin 2 production. Nicolas JF, et al. **J Invest Dermatol** 1987 Feb;88(2):161-6

The crucial role of human dendritic antigen-presenting cell subsets in nickel-specific T-cell proliferation. Res P, et al. **J Invest Dermatol** 1987 May;88(5):550-4

Inhibition of transformation by levodopa-carbidopa in lymphocytes derived from patients with melanoma. Wick MM. **J Invest Dermatol** 1987 May;88(5):535-7

Phorbol ester circumvents the need for macrophages as well as for mitogenic lectins in the stimulation of lymphocytes with wheat germ agglutinin or the calcium ionophores A23187 or ionomycin. Grier CE 3d, et al. **J Leukocyte Biol** 1986 Nov;40(5):511-23

Inhibition of delayed hypersensitivity reactions by cinnamyl 1-thioglycosides. Ponpipom MM, et al. **J Med Chem** 1987 Apr;30(4):705-10

Lymphocyte transformation response of calves to respiratory syncytial virus. Taylor G, et al. **J Med Virol** 1987 Aug; 22(4):333-44

Suppression of the immune response by benzodiazepine receptor inverse agonists. Arora PK, et al. **J Neuroimmunol** 1987 May;15(1):1-9

Differential response of rat splenic lymphocytes to short-term and long-term neuroendocrine challenges: possible desensitization of the cellular immune response to corticosteroids. Paciotti GF, et al. **J Neuroimmunol** 1987 Oct;16(2):253-9

Lymphocyte activation, cell-mediated cytotoxicity and their relationship to dietary fat-enhanced mammary tumorigenesis in C3H/OUJ mice. Olson LM, et al. **J Nutr** 1987 May;117(5):955-63

Solubilized dental plaque is mitogenic for nylon wool-purified human cord blood T lymphocytes. Baker JJ, et al. **J Periodont Res** 1987 Mar;22(2):94-102

Activation of murine lymphocytes by 2-mercapto-ethanol and related thiol compounds and its mechanism. II. Effect of thiol compounds on the viability of the lymphocytes under a cystine-deficient culture condition. Ohmori H, et al. **J Pharmacobiodyn** 1986 Jul;9(7):607-12

Effects of serum immunosuppressive factors on antitumor cytotoxicity of interleukin 2-induced lymphocytes. Sugiyama Y, et al. **J Surg Oncol** 1987 Aug;35(4):223-9

Inhibition of lymphocyte blastogenesis by serum leachates of fly ash. Harris WR, et al. **J Toxicol Environ Health** 1987; 21(3):341-52

Lysis of autologous tumor cells by peripheral blood lymphocytes treated with interleukin 2 in patients with renal cell carcinoma. Nakano E, et al. **J Urol** 1987 Apr; 137(4):641-8

Effect of 1 alpha,25-dihydroxyvitamin D3 on proliferation of activated T-cells and established human lymphotropic virus type I-positive T-cell lines. Nakao Y, et al. **JNCI** 1987 Jun;78(6):1079-86

Induction of lymphokine-activated killer activities in peripheral blood lymphocytes and regional lymph node lymphocytes against PC-9 cultured adenocarcinoma and autologous pulmonary adenocarcinoma cells. Morikawa Y, et al. **Jpn J Clin Oncol** 1987 Jun;17(2):129-39

Inhibition of activation of lymphokine-activated killer cells in vitro by the heparin preservative benzyl alcohol [letter] Marincola FM, et al. **Lancet** 1987 Aug 15;2(8555):399

Interleukin-2 stimulus-response coupling is calcium independent. LeGrue SJ. **Lymphokine Res** 1987 Winter; 6(1):1-11

Activation of murine thymocytes in vivo. Part II: Study of blastogenesis, the synthesis of macromolecules and the cytotoxic response after stimulation with phytohemagglutinin. Chaudhuri TK, et al. **Lymphology** 1986 Sep;19(3):117-24

Antagonistic effect of insulin and cortisol on stimulated lymphocytes. Castillo MB, et al. **Medicina (B Aires)** 1986; 46(4):445-8

Muramyl dipeptide induced augmentation of the proliferative response of thymocytes to phytohemagglutinin. Aida Y, et al. **Microbiol Immunol** 1987;31(2):169-78

Natural killer cells do not lyse resting or mitogen-stimulated B cells. Froelich CJ, et al. **Nat Immun Cell Growth Regul** 1987;6(1):12-8

Isoprinosine enhances PHA responses and has potential effect on natural killer cell (NK) activity of uremic patients in vitro. Silvennoinen-Kassinen S, et al. **Nephron** 1987; 46(3):243-6

The effect of vitamin E on immune responses. **Nutr Rev** 1987 Jan;45(1):27-9 (10 ref.)

Effect of praziquantel on certain immune responses of schistosomal Egyptian patients. II. Cell-mediated lymphoproliferative response. el-Bassiouny AE, et al. **Parasitol Res** 1987;73(4):334-40

Cannabinoids induce incomplete maturation of cultured human leukemia cells. Murison G, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5414-8

Enhanced suppression of blastogenic responses by weanling mouse lymphoid cells treated with tetrahydrocannabinol in vitro. Pross S, et al. **Proc Soc Exp Biol Med** 1987 Oct; 186(1):17-20

Suppressed in vitro blastogenic responsiveness of rat spleen cells after continuous infusion of endotoxin by an implanted osmotic pump. Spitzer JA, et al. **Proc Soc Exp Biol Med** 1987 Oct;186(1):21-6

Down-regulation of glucocorticoid and beta-adrenergic receptors on lectin-stimulated splenocytes. Westly HJ, et al. **Proc Soc Exp Biol Med** 1987 Jun;185(2):211-8

Effects of insulin on the total number of [3H]ouabain binding sites in normal human lymphocytes and after stimulation in vitro with concanavalin A. Berntorp K, et al. **Scand J Clin Lab Invest** 1986 Oct;46(6):581-5

A novel arachidonic acid metabolite with stimulatory effect on PHA-induced mitogenesis of lymphocytes. Johnsen SA, et al. **Scand J Immunol** 1987 Apr;25(4):425-8

Lymphocyte activation and induction of interferon gamma in human leucocyte cultures by the mitogen in Mycoplasma arthritidis supernatant (MAS). Kirchner H, et al. **Scand J Immunol** 1986 Nov;24(5):609-13

Alpha 1-microglobulin is mitogenic for guinea pig lymphocytes. Lögdberg L, et al. **Scand J Immunol** 1986 Nov;24(5):575-81

The role of gamma interferon in B-cell activation. Pischedda F, et al. **Scand J Immunol** 1987 Mar;25(3):315-8

Induction of responsiveness to interleukin 2 in mouse lymphocytes by synergistic action of ionophore A 23187 and diacylglycerol. Stoeck M, et al. **Scand J Immunol** 1987 Jul;26(1):85-9

Regulation of bcl-2 proto-oncogene expression during normal human lymphocyte proliferation. Reed JC, et al.

Science 1987 Jun 5;236(4806):1295–9
1,25–Dihydroxyvitamin D3 (calcitriol) suppresses IL–2 induced murine thymocyte proliferation. Haq AU.
Thymus 1986;8(5):295–306
The effects of uremic serum and 3'–5' cyclic AMP on blastogenesis of normal lymphocytes. Modai D, et al.
Thymus 1986;8(5):307–11
Effect of immunosuppressives on gamma–interferon production, lymphocyte proliferation, and cytotoxic function of activated T lymphocytes. Bishop GA, et al.
Transplant Proc 1987 Apr;19(2):2866–8
Cyclosporine metabolites suppress T cell proliferation induced by concanavalin A. Dindzans VJ, et al.
Transplant Proc 1987 Aug;19(4):3490–3
Effects of cyclosporine metabolites M17 and M18 on proliferation and interleukin 2 production in the mixed lymphocyte culture. Freed BM, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1223–6
Effect of cyclosporine A on early stages of T cell activation. Isakov N, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1186–8
Pharmacodynamics of cyclosporine. Kahan BD, et al.
Transplant Proc 1986 Dec;18(6 Suppl 5):238–51
Fibronectin restores defective in vitro proliferation of patients' lymphocytes after marrow grafting. Klingemann HG, et al. **Transplantation** 1986 Oct;42(4):412–7
Comparison of the immunosuppressive effects of cyclosporine, lipid–soluble anesthetics, and calmodulin antagonists. Response to exogenous interleukin 2. LeGrue SJ, et al. **Transplantation** 1986 Dec;42(6):679–85
The effect of verapamil on cellular uptake, organ distribution, and pharmacology of cyclosporine. McMillen MA, et al.
Transplantation 1987 Sep;44(3):395–401
The role of interleukin–2 in proliferative responses in vitro of T cells from patients after bone marrow transplantation. Evidence that minor defects can lead to in vitro unresponsiveness. Roosnek EE, et al. **Transplantation** 1987 Jun;43(6):855–60
In vitro effect of chloroquine, mefloquine and quinine on human lymphocyte proliferative responses to malaria antigens and other antigens/mitogens. Bygbjerg IC, et al.
Trop Med Parasitol 1986 Sep;37(3):245–7
Inhibition of bovine lymphocyte response to phytohemagglutinin by a specific 5–lipoxygenase inhibitor. Athuru D, et al. **Vet Immunol Immunopathol** 1987 Mar; 14(3):269–78
Effect of corticosteroid on porcine leukocytes: age–related effects of corticosteroid inhibition on porcine lymphocyte responses to mitogens. Yang WC, et al.
Vet Immunol Immunopathol 1986 Sep;13(1–2):19–29
T lymphocytes from hemophiliacs proliferate after exposure to factor VIII product. Matheson DS, et al. **Vox Sang** 1986; 51(2):92–5
Effect of streptolysin S from Streptococcus pyogenes on contact sensitivity in mice. Hryniewicz W, et al.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1986 Jul; 261(4):454–60
[The effect of in vitro interleukin 2 on lymphocytes and monocytes in human peripheral blood. I. Induction of proliferation and cytotoxicity] Jira M, et al.
Cas Lek Cesk 1986 Dec 19;125(51):1573–7 (Eng. Abstr.) **(Cze)**
[Stimulation of human lymphocytes by phorbol acetate and a calcium ionophore induces an early transient expression of the c–fos oncogene followed by c–myc] Pompidou A, et al. **C R Acad Sci [III]** 1986;303(11):445–7 (Eng. Abstr.) **(Fre)**
[Influence on the immune response of C–reactive protein (CRP)] Jahn S, et al. **Allerg Immunol (Leipz)** 1986; 32(3):185–91 (Eng. Abstr.) **(Ger)**
[Short communication about the influence of quinolone derivatives on the immune system] Hahn H. **Infection** 1986; 14 Suppl 3:S219 **(Ger)**
[T lymphocyte activation and its inhibition by cyclosporin A] Ryffel B. **Schweiz Rundsch Med Prax** 1987 May 26; 76(22):615–6 **(Ger)**
[Determination of the sensitivity of lymphocytes to glucocorticoids—differentiation in high, normal and low responders] Krohm P, et al.
Z Exp Chir Transplant Kunstliche Organe 1986;19(6):343–6 **(Ger)**
[Modification of in vitro immune mechanisms by various glucocorticosteroid preparations—studies of lymphocytes in healthy probands and autoimmune patients] Jahn S, et al. **Z Gesamte Inn Med** 1987 Mar 15;42(6):160–3 (Eng. Abstr.) **(Ger)**
[Effects of steroid hormones upon lymphocyte transformation in normal subjects and patients with vernal keratoconjunctivitis] Hagihara M, et al.
Nippon Ganka Gakkai Zasshi 1986 Jul;90(7):936–41 (Eng. Abstr.) **(Jpn)**
[Augmentation of drug–induced lymphocyte transformation by indomethacin in patients with drug–induced allergic hepatitis] Mizoguchi Y, et al.
Nippon Shokakibyo Gakkai Zasshi 1987 Mar;84(3):719–25 (Eng. Abstr.) **(Jpn)**
[The cellular immune system. Possible adverse effects of drugs] Bruserud O. **Tidsskr Nor Laegeforen** 1986 Aug 30; 106(24):1939–40, 1951 (Eng. Abstr.) **(Nor)**
[Cyclosporin A. Inhibitory effect on T lymphocytes] Jørgensen PF, et al. **Tidsskr Nor Laegeforen** 1986 Aug 30; 106(24):1941–2 (Eng. Abstr.) **(Nor)**
[Evaluation of cellular response in patients with erythema multiforme treated with Decaris] Olszewska Z, et al.
Przegl Dermatol 1986 Sep–Oct;73(5):373–8 (Eng. Abstr.) **(Pol)**
[Changes in the functional activity and kinetics of macrophages and lymphocytes as affected by retinoic acid] Nozdrin VI, et al. **Biull Eksp Biol Med** 1987 Jun; 103(6):705–7 (Eng. Abstr.) **(Rus)**
[Use of the blast transformation reaction for evaluating the functional activity of peripheral lymphocytes in chemical workers] Gicheva TA, et al. **Gig Tr Prof Zabol** 1986 Aug; (8):48–9 **(Rus)**
[Synthesis of monoclonal antibodies to tissue–specific antigens of human skin and thymus epithelium in polyclonal activation by pertussis toxin] Drobyshevskaia EI, et al.
Zh Mikrobiol Epidemiol Immunobiol 1987 Apr;(4):85–8 (Eng. Abstr.) **(Rus)**
[Reactive chemiluminescence of human lymphocytes during phytohemagglutinin stimulation] Rassanov SP, et al.
Zh Mikrobiol Epidemiol Immunobiol 1987 May;(5):64–7 (Eng. Abstr.) **(Rus)**
[Lymphoblastic transformation test as a diagnostic method in drug–induced pulmonary alveolitis] Pacheco S, et al.
Rev Med Chil 1987 Jan;115(1):86–90 **(Spa)**

METHODS

A simple new method for using antigens separated by polyacrylamide gel electrophoresis to stimulate lymphocytes in vitro after converting bands cut from Western blots into antigen–bearing particles. Abou–Zeid C, et al. **J Immunol Methods** 1987 Apr 2;98(1):5–10

RADIATION EFFECTS

Effect of extremely–low–frequency pulsed magnetic fields on the mitogenic response of peripheral blood mononuclear cells. Mooney NA, et al. **Bioelectromagnetics** 1986; 7(4):387–94
A T cell model for age–related loss of homeostasis: identification of the cell type responsible for age–related delay in recovery of the PHA–induced mitogenic response from radiation injury. Peterson WJ, et al. **Gerontology** 1986; 32(5):261–71
Low–dose X–irradiation and 4–hydroperoxycyclophosphamide distinguishes three Lyt–1+ lymph node T–cell subtypes that respond to specific antigen in vitro. Clark C, et al.
J Leukocyte Biol 1987 Apr;41(4):330–40
Manifestation of radiation injury of human lymphocytes using PHA mitogenic stimulation in different culture systems. Horký J. **Physiol Bohemoslov** 1986;35(6):497–504
Prostaglandin sensitivity of the PHA–response of blood lymphocytes following radiation therapy for breast cancer. Blomgren H, et al. **Radiother Oncol** 1986 Oct;7(2):141–5

LYMPHOCYTES

see related

ANTILYMPHOCYTE SERUM

The perivascular cell populations in human skin after topical application of leukotriene B4. Winkelmann RK, et al.
Acta Derm Venereol (Stockh) 1986;66(4):340–3
Normal T cell subsets in homosexual men living in a community without endemic AIDS. Rush TJ, et al.
Am J Med 1986 Oct;81(4):584–90
Failure to show a fall in peripheral blood lymphocytes in patients receiving gold or penicillamine for rheumatoid arthritis [letter] Ishigami M, et al. **Ann Rheum Dis** 1987 Mar;46(3):262–3
Mast cell numbers in rheumatoid synovial tissues. Correlations with quantitative measures of lymphocytic infiltration and modulation by antiinflammatory therapy. Malone DG, et al. **Arthritis Rheum** 1987 Feb;30(2):130–7
Effects of hypergravity on "whole–blood" cultures of human lymphocytes. Lorenzi G, et al.
Aviat Space Environ Med 1986 Dec;57(12 Pt 1):1131–5
The influence of environmental temperature on the lymphocyte populations in carp (Cyprinus carpio L.). Schneider B, et al. **Biomed Biochim Acta** 1987;46(1):135–41
Location of T–cell leukaemia cells in a model rat system by means of a fluorescent probe. Steven FS, et al.
Br J Cancer 1987 Jan;55(1):29–32
The effects of road transportation on peripheral blood lymphocyte subpopulations, lymphocyte blastogenesis and neutrophil function in calves. Murata H, et al.
Br Vet J 1987 Mar–Apr;143(2):166–74
Lung and blood lymphocyte subsets in asbestosis and in mixed dust pneumoconiosis. Costabel U, et al. **Chest** 1987 Jan;91(1):110–2
Measurement of intra–epithelial lymphocytes [letter] Marsh MN. **Gut** 1986 Dec;27(12):1516–7
Somatic cell mutants resistant to ricin, diphtheria toxin, and to immunotoxins. Goldmacher VS, et al. **J Biol Chem** 1987 Mar 5;262(7):3205–9
Observations on the combined systemic administration of mixed bacterial vaccine, bacillus Calmette–Guerin, transfer factor, and lymphoblastoid lymphocytes to patients with cancer, 1974–1985. Waisbren BA Sr.
J Biol Response Mod 1987 Feb;6(1):1–19
Successful induction with chemotherapy including teniposide in familial erythrophagocytic lymphohistiocytosis [letter] Henter JI, et al. **Lancet** 1986 Dec 13;2(8520):1402
Enumeration of lymphocyte subpopulations in bronchoalveolar lavage of monkeys using an immunoenzymatic staining technique. Mason MJ, et al.
Vet Immunol Immunopathol 1986 Dec;13(4):347–55
[Chromosome aberrations induced in the lymphocytes of rabbits by ultrasounds of 1MHz alone or followed by treatment with 5–bromo–2'–deoxyuridine] Decat G, et al.
C R Soc Biol (Paris) 1987;181(1):62–9 (Eng. Abstr.) **(Fre)**
[Lymphocyte subpopulations in idiopathic dilatational cardiomyopathy] Greco–Lucchina P, et al.
G Ital Cardiol 1987 Mar;17(3):229–32 (Eng. Abstr.) **(Ita)**
[Changes in the lymphocyte count in tsutsugamushi fever] Utsunomiya A, et al. **Kansenshogaku Zasshi** 1986 Nov; 60(11):1258–60 **(Jpn)**
[Study on perigastric lymphatics using BrdU labeled lymphocytes] Hara A, et al.
Nippon Geka Gakkai Zasshi 1987 Apr;88(4):503 **(Jpn)**
[Prospective approaches to the evaluation of human immune status] Zemskov AM. **Lab Delo** 1986;(9):544–8 (Eng. Abstr.) **(Rus)**
[Effect of Hippophae rhamnoides oil on the lipid concentration of serum, T–, B– and O–lymphocytes in acute pneumonia in young children] Khamraev AKh, et al. **Pediatriia** 1986 Sep;(9):75 **(Rus)**
[Status of the immune system in acute gastrointestinal hemorrhages from chronic gastroduodenal ulcers] Satsukevich VN. **Vestn Khir** 1986 Dec;137(12):21–6 (Eng. Abstr.) **(Rus)**

ANALYSIS

Diagnostic value of immunological leukemia phenotyping. Drexler HG, et al. **Acta Haematol (Basel)** 1986;76(1):1–8
Analysis of cell proteins in lymphoblasts of acute lymphocytic leukemia by two–dimensional gel electrophoresis. Tsuchiya H, et al.
Acta Haematol (Basel) 1987;77(2):65–71
The study of original and induced negative charges of human lymphocyte membrane. Makovitzky J.
Acta Histochem [Suppl] (Jena) 1987;34:185–94
Studies on lymphokine–mediated demyelination in organotypic rat cerebellum in culture. Selmaj K, et al.
Acta Neurol Scand 1986 Sep;74(3):186–9
Changes in the DNA of lymphocytes from pristane treated rats. Garrett LR, et al. **Agents Actions** 1987 Feb; 20(1–2):104–12
Decrease of beta–receptors in asthmatic and rhinitic patients. Gamboa PM, et al. **Allergol Immunopathol (Madr)** 1987 Mar–Apr;15(2):65–8
Extraction of cellular DNA from human cells and tissues fixed in ethanol. Smith LJ, et al. **Anal Biochem** 1987 Jan; 160(1):135–8
Lymphocytes bearing Fc gamma receptors in rheumatoid arthritis. IV. Increased numbers and activation of Facb–R+ cells after immunisation of healthy individuals. Goulding NJ, et al. **Ann Rheum Dis** 1986 Nov; 45(11):925–31
The effects of dietary (n–3) fatty acid supplementation on lipid dynamics and composition in rat lymphocytes and liver microsomes. Conroy DM, et al.
Biochim Biophys Acta 1986 Oct 23;861(3):457–62
Hyperventilation is associated with a redistribution of peripheral blood lymphocytes. Mooney NA, et al.
Biol Psychiatry 1986 Nov;21(13):1324–6
Glucocorticoid receptors in acute leukemia. Federico MH, et al. **Braz J Med Biol Res** 1986;19(2):167–72
Correlation of Fc gamma receptors on peripheral blood mononuclear cells and survival in patients with metastatic breast cancer. Ilfeld D, et al. **Breast Cancer Res Treat** 1986; 7(3):181–6
Spectroscopic properties of fluorescein in living lymphocytes. Kinoshita S, et al. **Cytometry** 1987 Jan; 8(1):35–41
Comparison of helium–neon and dye lasers for the excitation of allophycocyanin. Loken MR, et al. **Cytometry** 1987 Jan; 8(1):96–100
The HLA–class II–associated chondroitin sulfate proteoglycan expressed by class II positive T and monocyte–like cell lines is larger than that expressed by EBV–transformed B–lymphoblastoid cell lines. Bono C, et al. **Hum Immunol** 1987 Apr;18(4):315–30
Aberrant ribonucleotide pattern in lymphoid cells from patients with chronic lymphocytic leukaemia or non–Hodgkin lymphoma. de Korte D, et al.
Int J Cancer 1987 Aug 15;40(2):192–7
Sensitive on–line radioactivity measurements with a heterogeneous flow–cell: application to lymphoid cell ribonucleotides separated by high–performance liquid chromatography. de Korte D, et al. **J Chromatogr** 1987 Apr 10;415(2):383–7
Molecular heterogeneity of a lymphocyte glycoprotein in immunodeficient patients. Reisinger D, et al.
J Clin Invest 1987 Feb;79(2):595–9
Association of bovine lymphocyte antigens with milk fat percentage differences. Hines HC, et al. **J Dairy Sci** 1986 Dec;69(12):3148–50
Analysis of Marek's disease virus serotype 1–specific phosphorylated polypeptides in virus–infected cells and Marek's disease lymphoblastoid cells. Nakajima K, et al.
J Gen Virol 1987 May;68 (Pt 5):1379–89
Re.: Surface antigen preservation by PLP and formalin fixation and the effects of tissue processing [letter] Pollard K, et al. **J Immunol Methods** 1987 Jan 26;96(1):145

Detection of folate deficiency in alcoholism using the peripheral blood lymphocyte deoxyuridine suppression test [published erratum appears in J Nutr Sci Vitaminol (Tokyo) 1986 Aug;32(4):447] Kanazawa S, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Jun;32(3):251–7

p53 content in relation to cell growth and proliferation in murine L1210 leukemia and normal lymphocytes. Darzynkiewicz Z, et al. **Leuk Res** 1986;10(12):1383–9

Comparison of two methods for determination of magnesium concentration of mononuclear blood cells. Elin RJ, et al. **Magnesium** 1986;5(5–6):301–5

Measurements of cyclic adenosine monophosphate and cyclic guanosine monophosphate levels in polymorphonuclear leukocytes, macrophages, and lymphocytes. Mittal CK. **Methods Enzymol** 1986;132:428–34

Phylogenetically conserved antigen on nerve cells and lymphocytes resembles myelin-associated glycoprotein. Peault B, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(3):814–8

The influence of septic shock on plasma proteins, lymphocytes and metabolic parameters. Roth E, et al. **Prog Clin Biol Res** 1987;236B:67–75

Beta-adrenergic receptors of human lymphocytes in physically active and immobilized subjects: characterization by a polyethylene glycol precipitation assay. Mäki T, et al. **Scand J Clin Lab Invest** 1987 May; 47(3):261–7

Non-T, non-B acute lymphocytic leukemias: cellular origin based on molecular analyses of immunoglobulin and T-cell alpha- and beta-chain receptor gene rearrangements. Okabe M, et al. **Tohoku J Exp Med** 1987 Jun;152(2):197–207

Sister-chromatid exchanges in the lymphocytes of people exposed to environmental cadmium. Nogawa K, et al. **Toxicol Lett** 1986 Sep;32(3):283–8

Intralymphocytic ionized calcium evaluation in kidney allografts rejection. Lamperi S, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1613–7

Measurement of ferritin-bearing lymphocytes in man. Preliminary studies on the use of monoclonal antibodies specific for the L and H subunits of ferritin. Ciriello MM, et al. **Tumori** 1987 Feb 28;73(1):37–41

Immunoreactivity for S-100 protein in dendritic and in lymphocyte-like cells in human lymphoid tissues. Uccini S, et al. **Virchows Arch [B]** 1986;52(2):129–41

[Effect of acupuncture anesthesia in thyroidectomy on sister chromatid exchanges (SCE) and RNA/DNA rations in lymphocytes] Liu YT. **Chen Tzu Yen Chiu** 1986;11(2):91–5 (Eng. Abstr.) **(Chi)**

[Protein mapping of normal circulating cells: lymphocytes and monocytes] Hochstrasser D, et al. **Schweiz Med Wochenschr** 1986 Dec 13;116(50):1773–5 (Eng. Abstr.) **(Fre)**

[Characteristics of DNA from peripheral blood lymphocytes in SLE patients and its relation to left-handed Z-DNA (first report)] Higashitani S. **Arerugi** 1986 Jul;35(7):467–74 (Eng. Abstr.) **(Jpn)**

[Effect of treatment with pindolol, acebutolol and propranolol on the density of beta-adrenergic receptors in human lymphocytes] Halawa B. **Pol Tyg Lek** 1987 Feb 9;42(6):153–5 (Eng. Abstr.) **(Pol)**

[Glucocorticosteroid receptors in peripheral blood lymphocytes in children with lipoid nephrosis] Szprynger K. **Pol Tyg Lek** 1986 Sep 29;41(39):1239–41 (Eng. Abstr.) **(Pol)**

[1H-NMR spectroscopy of the cell membranes of thymus lymphocytes in AKR mice] Iushmanov VE, et al. **Biofizika** 1986 Sep-Oct;31(5):829–32 (Eng. Abstr.) **(Rus)**

[Determining the motility of glycoprotein oligosaccharides from lymphocyte membranes using the spin label method] Nezlin RS, et al. **Biofizika** 1986 Jul-Aug;31(4):711–2 (Eng. Abstr.) **(Rus)**

[Receptors for thrombin on lymphocytes and their subpopulations] Kusel'man AI. **Gematol Transfuziol** 1987 May;32(5):17–20 (Eng. Abstr.) **(Rus)**

[Effect of theophylline on the concentration of cyclic nucleotides in the lymphocytes of patients with chronic bronchitis with a bronchospastic component] Provotorov VM, et al. **Klin Med (Mosk)** 1987 Mar;65(3):55–7 **(Rus)**

[Isolation and testing of factors affecting macrophage and leukocyte migration] Gankovskaia LV, et al. **Lab Delo** 1986;(10):612–4 (Eng. Abstr.) **(Rus)**

[A micromethod for determining total lipids in lymphocytes and other biological material] Taranova NP, et al. **Vopr Med Khim** 1987 Mar-Apr;33(2):132–6 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

A comparative study on peripheral blood lymphocyte subpopulations in different kinds of warts. Lodi A, et al. **Acta Derm Venereol (Stockh)** 1987;67(2):169–72

HLA-DR typing and lymphocyte subset evaluation in rheumatic heart disease: a search for immune response factors. Anastasiou-Nana MI, et al. **Am Heart J** 1986 Nov; 112(5):992–7

Altered lymphocyte subsets during cardiopulmonary bypass. Brody JI, et al. **Am J Clin Pathol** 1987 May;87(5):626–8

Analysis of intestinal lymphocyte subpopulations in patients with acquired immunodeficiency syndrome (AIDS) and AIDS-related complex. Ellakany S, et al. **Am J Clin Pathol** 1987 Mar;87(3):356–64

Lymphocyte subpopulations and corticosteroid treatment in patients with pertussis [letter] Torre D, et al. **Am J Dis Child** 1986 Nov;140(11):1094

Blood lymphocyte subpopulations in extrinsic and intrinsic asthmatics. Bruijnzeel PL, et al. **Ann Allergy** 1987 Mar; 58(3):179–82

Japanese encephalitis: identification of inflammatory cells in cerebrospinal fluid. Johnson RT, et al. **Ann Neurol** 1986 Dec;20(6):691–5

Effects of hypothalamic lesions on lymphocyte subsets in mice. Katayama M, et al. **Ann NY Acad Sci** 1987;496:366–76

Effects of phosphatidylserine on immunologic indices in aged patients. Ricevuti G, et al. **Ann NY Acad Sci** 1987;496:731–4

Lymphocyte subpopulations in peripheral blood and bone marrow in patients with idiopathic myelofibrosis. Vellenga E, et al. **Blut** 1987 Aug;55(2):109–13

Lymphocyte subsets in tumour of patients with undifferentiated nasopharyngeal carcinoma: presence of lymphocytes with the phenotype of activated T cells. Herait P, et al. **Br J Cancer** 1987 Feb;55(2):135–9

Immunohistochemical identification of lymphocyte subsets and macrophages in normal human urothelium using monoclonal antibodies. el-Demiry MI, et al. **Br J Urol** 1986 Aug;58(4):436–42

Antigenically defined subgroups of lymphoblastic lymphoma. Relationship to clinical presentation and biologic behavior. Sheibani K, et al. **Cancer** 1987 Jul 15;60(2):183–90

Clonal analysis and in situ characterization of lymphocytes infiltrating human breast carcinomas. Whiteside TL, et al. **Cancer Immunol Immunother** 1986;23(3):169–78

IL-2- and IFN gamma-enhanced natural cytotoxic activity: analysis of the role of different lymphoid subsets and implications for activation routes. Braakman E, et al. **Cell Immunol** 1986 May;99(2):476–88

Quantitative study of the migration of lymphocyte subsets through 3-D collagen gels. Shiu W, et al. **Cell Struct Funct** 1986 Sep;11(3):227–33

Lymphocyte subsets in lung cancer. Wesselius LJ, et al. **Chest** 1987 May;91(5):725–9

The effect of blood storage on lymphocyte subpopulations. Huang HS, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1987 Feb;20(1):46–51

Studies on human blood lymphocytes with iC3b (type 3) complement receptors. II. Characterization of subsets which regulate pokeweed mitogen-induced lymphocyte proliferation and immunoglobulin synthesis. Abo W, et al. **Clin Exp Immunol** 1987 Mar;67(3):544–55

Subpopulations of thyroid autoantibody secreting lymphocytes in Graves' and Hashimoto thyroid glands. McLachlan SM, et al. **Clin Exp Immunol** 1986 Aug; 65(2):319–28

The acute effects of platelet apheresis on peripheral blood lymphocyte subsets [letter] Gibson J, et al. **Clin Lab Haematol** 1987;9(2):210–1

Changes in conjunctival lymphocyte populations induced by oral immunization with Chlamydia trachomatis. Whittum-Hudson JA, et al. **Curr Eye Res** 1986 Dec; 5(12):973–9

A method to average immunofluorescent histograms. Marti GE, et al. **Cytometry** 1986 Sep;7(5):450–2

Lymphocyte subpopulations. Jenkins JS. **Diabetic Med** 1987 Jan-Feb;4(1):19–23

T cells expressing delayed-type hypersensitivity can be derived from a humorally immune lymphocyte population. LeClercq SA, et al. **Eur J Immunol** 1987 Jul;17(7):949–54

Jejunal mucosa lymphoid cell subsets and the expression of major histocompatibility complex antigens in children. Tshibassu M, et al. **Eur J Pediatr** 1987 May;146(3):251–6

Lymphocyte subpopulations and function in cystic fibrosis. Smith MJ, et al. **Eur J Respir Dis** 1987 May;70(5):300–8

The role of lymphocyte subset analysis in defining the clinical evolution of multiple sclerosis. Cazzullo CL, et al. **Eur Neurol** 1987;27(1):5–12

Immune response against P815X2 mastocytoma growing in syngeneic DBA/2 mice. II. Morphometric assessment of immunoreactivity in the thymus and spleen related to lymphocyte subsets in peripheral blood. Syrjänen K, et al. **Exp Pathol** 1986;30(2):75–82

Biocompatibility of various dialyzer membranes. The effects of the dialyzer membranes on the lymphocyte subpopulation during hemodialysis. Miyazawa S, et al. **Fukuoka Igaku Zasshi** 1986 Jul;77(7):366–72

Lymphoid cell subsets in normal human small intestine [published erratum appears in Gastroenterol Jpn 1986 Dec;21(6):654] Chiba M, et al. **Gastroenterol Jpn** 1986 Aug; 21(4):336–43

Identification of a new lymphocyte subset surface antigen, the expression of which disappears after in vitro and in vivo stimulation. Distribution, biochemistry, and functional studies. Koning F, et al. **Hum Immunol** 1986 Nov; 17(3):325–42

Characterization of mononuclear cell subpopulations in normal fetal peripheral blood. Rainaut M, et al. **Hum Immunol** 1987 Apr;18(4):331–7

Characterization of non-T effector cell subpopulations involved in production of human alpha interferon. Ikossi MG, et al. **Immunol Invest** 1986 Oct;15(6):559–74

The separation of lymphocyte subpopulations with lectins. Poretz RD, et al. **Immunol Invest** 1986 Oct;15(6):521–9

Mucosal lymphocytes in the rat small intestine: phenotypical characterization in situ. van der Heijden FL. **Immunology** 1986 Nov;59(3):397–9

Lymphocyte subpopulations & blast transformation studies in experimental hydatidosis. Wangoo A, et al. **Indian J Med Res** 1987 Feb;85:149–53

Lymphocyte subpopulations of plateletapheresis products collected with the Fenwal CS-3000 Cell Separator. Mintz PD, et al. **J Clin Apheresis** 1987;3(3):164–6

Lymphocyte subpopulation profiles and mitogen kinetics in immunological deficiency testing. Radvany RM, et al. **J Clin Immunol** 1987 Jul;7(4):312–8

Phenotypic and functional characterization of lymphocytes that bind human microvascular endothelial cells in vitro. Evidence for preferential binding of natural killer cells. Bender JR, et al. **J Clin Invest** 1987 Jun;79(6):1679–88

Mitogen induced lymphoproliferative responses and lymphocyte sub-populations in patients with sickle cell disease. Escalona E, et al. **J Clin Lab Immunol** 1987 Apr; 22(4):191–6

Subfractionation of human peripheral blood lymphocytes by partitioning in two-polymer aqueous phase systems. Characteristics of a small subpopulation of cells with high partition coefficient. Michalski JP, et al. **J Clin Lab Immunol** 1986 Sep;21(1):43–8

Analysis of responding lymphocyte subsets in allogeneic mixed lymphocyte cultures in the neonates and adults. Schneider H, et al. **J Clin Lab Immunol** 1986 Oct;21(2):97–9

Alterations in lymphocyte subsets and serum immunoglobulin levels in patients with silicosis. Watanabe S, et al. **J Clin Lab Immunol** 1987 May;23(1):45–51

Peripheral blood lymphocyte subpopulations in patients with primary proliferative and secondary polycythaemia. Wilde JT, et al. **J Clin Pathol** 1987 Feb;40(2):206–9

Cell sorting of lymphocyte subpopulations by biotinylated antibody and avidin-Sepharose beads. Cone RE, et al. **J Exp Pathol** 1985 Fall;2(3):165–9

Cellular immunity and lymphocyte populations in developing uremia in the rat. Raskova J, et al. **J Exp Pathol** 1986 Summer;2(4):229–45

The lymphocyte subpopulations in cyclosporine-treated human heart rejection. Weintraub D, et al. **J Heart Transplant** 1985 Feb;4(2):213–6

Morphology and lytic mechanisms of interleukin 3-dependent natural cytotoxic cells: tumor necrosis factor as a possible mediator. Jadus MR, et al. **J Immunol** 1986 Nov 1;137(9):2774–83

Natural killer activity: definition of a function rather than a cell type [letter] Ortaldo JR, et al. **J Immunol** 1987 Jun 15;138(12):4545–6

An improved method for recovery of secretory immunoglobulins and lymphocytes from the nasal mucosa. Holmes MJ, et al. **J Immunol Methods** 1987 Apr 16; 98(2):183–7

A simple indirect immunofluorescence micromethod for cell typing. Joly P, et al. **J Immunol Methods** 1986 Nov 6; 93(2):217–23

Relative and absolute numbers of human lymphocyte subpopulations. A comparison of immunofluorescence microscopy and flow cytometric methodologies with special reference to precision and reference values. Kreuzfelder E, et al. **J Immunol Methods** 1987 Mar 12; 97(2):251–8

Enumeration of lymphocyte subpopulations by immunofluorescent staining of whole blood smears. Lovat PE, et al. **J Immunol Methods** 1987 Feb 26;97(1):37–40

Specific selection of lymphocyte subpopulations by avidin-biotin immune rosetting. Lucas PJ, et al. **J Immunol Methods** 1987 May 20;99(2):185–90

Direct antibody rosette-forming reactions using monoclonal markers of lymphocyte subpopulations. Methodology and applications illustrated by investigations with rat pan-T antibodies of the CAMPATH series. Wilson AB, et al. **J Immunol Methods** 1986 Sep 27;92(2):241–9

Effects of interferon on the lymphocyte subset in the blood and lymphoid organs in mice. Kawasaki H, et al. **J Interferon Res** 1986 Oct;6(5):507–17

The skin immune system (SIS): distribution and immunophenotype of lymphocyte subpopulations in normal human skin. Bos JD, et al. **J Invest Dermatol** 1987 May; 88(5):569–73

Reference values for peripheral blood lymphocytes from Aotus lemurinus ssp. griseimembra (owl monkey). Caldwell CW, et al. **J Med Primatol** 1987;16(4):261–71

Use of monoclonal antibodies to human lymphocytes to identify lymphocyte subsets in lymph nodes of the rhesus monkey and the dog. Sandusky GE, et al. **J Med Primatol** 1986;15(6):441–51

Cerebrospinal fluid and peripheral blood leukocyte subsets in acute inflammation of the CNS. Bamborschke S, et al. **J Neurol Sci** 1987 Jun;79(1–2):1–12

Analysis of peripheral blood lymphocytes of atomic bomb survivors using monoclonal antibodies. Fujiwara S, et al. **J Radiat Res (Tokyo)** 1986 Sep;27(3):255–66

Lymphocyte subpopulations in rheumatic heart disease. Regelmann WE, et al. **J Rheumatol** 1987 Feb;14(1):23–7

Alcohol and immune defense [letter] Spinozzi F, et al. **JAMA** 1987 Jan 16;257(3):316–7

Immunological aspects of farmer's lung. A family study. Coscia GC, et al. **Med Lav** 1987 Mar-Apr;78(2):112–6

Peripheral blood lymphocyte subsets in nasopharyngeal carcinoma. Ng CS, et al. **Oncology** 1987;44(1):38–41

Lymphocytic subpopulations in the normal human conjunctiva. A monoclonal antibody study. Sacks EH, et al. **Ophthalmology** 1986 Oct;93(10):1276–83

Neck node immunoreactivity in head and neck carcinoma.

Mandell-Brown M, et al. **Otolaryngol Head Neck Surg** 1986 Nov;95(4):500-6

Lymphocyte subpopulations infiltrating squamous carcinomas of the head and neck: correlations with extent of tumor and prognosis. Wolf GT, et al. **Otolaryngol Head Neck Surg** 1986 Sep;95(2):142-52

Lymphocyte subsets identified by monoclonal antibodies in healthy children. Yanase Y, et al. **Pediatr Res** 1986 Nov; 20(11):1147-51

Peripheral lymphocyte subpopulations changes during labor. Bălună R, et al. **Physiologie** 1986 Jul-Sep;23(3):203-8

Immunological parameters in patients with gastric cancer at different clinical stages. Moszczynski P, et al. **Rev Esp Oncol** 1985;32(1):7-13

Immuno-cytological blood tests in cases of sarcoidosis. Wurm K, et al. **Sarcoidosis** 1986 Mar;3(1):52-9

Flow cytometric analysis of lymphocyte subsets in the bronchoalveolar lavage fluid and peripheral blood of healthy volunteers. Yamada M, et al. **Scand J Immunol** 1986 Nov;24(5):559-65

Labial salivary gland immunopathology in Sjögren's syndrome. Dalavanga YA, et al. **Scand J Rheumatol [Suppl]** 1986;61:67-70

An immunohistochemical study of lymphocyte subsets and expression of glandular HLA-DR in labial salivary glands from patients with symptomatic xerostomia, rheumatoid arthritis and systemic lupus erythematosus. Matthews JB, et al. **Scand J Rheumatol [Suppl]** 1986;61:56-60

Comparison of numerical and phenotypic leukocyte changes during constant hydrocortisone infusion in normal humans with those in thermally injured patients. Calvano SE, et al. **Surg Gynecol Obstet** 1987 Jun;164(6):509-20

Lymphocyte subpopulations in the neonate: in vitro proliferation, IL-1 and IL-2 production by a subset of HNK-1-, OKT3-, OKT8+ lymphocytes displaying NK activity. Maccario R, et al. **Thymus** 1986;8(4):225-34

Effects of frequent and sustained plateletapheresis on peripheral blood mononuclear cell populations and lymphocyte functions of normal volunteer donors. Matsui Y, et al. **Transfusion** 1986 Sep-Oct;26(5):446-52

Phenotypic composition and in vitro functional capacities of unmodified fresh cells infiltrating acutely rejected human kidney allografts. Charpentier BM, et al. **Transplantation** 1987 Jul;44(1):38-43

Characterization of an expanded large granular lymphocyte subset lacking natural killer activity present in renal allograft recipients. Legendre CM, et al. **Transplantation** 1987 Feb;43(2):229-34

Enumeration of transferrin-receptor-expressing lymphocytes as a potential marker for rejection in human cardiac transplant recipients. Mohanakumar T, et al. **Transplantation** 1986 Dec;42(6):691-4

Immunohistochemical study of the cells infiltrating human renal allografts by the ABC and the IGSS method using monoclonal antibodies. Sako H, et al. **Transplantation** 1987 Jul;44(1):43-50

Distribution of T and B lymphocytes in mammary dry secretions, colostrum and blood of adult dairy cattle. Duhamel GE, et al. **Vet Immunol Immunopathol** 1987 Feb; 14(2):101-22

Monoclonal antibodies identify phenotypically and functionally distinct cell types in the bovine lymphoid system. Lalor PA, et al. **Vet Immunol Immunopathol** 1986 Sep;13(1-2):121-40

Staining of pig lymphocytes subpopulations with acid alpha-naphthyl acetate esterase. Salmon H, et al. **Vet Immunol Immunopathol** 1987 Feb;14(2):173-9

Studies on the major histocompatibility complex of indigenous cattle in the Ivory Coast. Spooner RL, et al. **Vet Immunol Immunopathol** 1987 Jul;15(4):377-84

[An analysis of subpopulations of infiltrating mononuclear cells in 20 cases of carcinomas of the stomach and large intestine] Yuan DD. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Mar;15(1):37-40 (Eng. Abstr.) **(Chi)**

[Lymphocyte phenotyping in the cord blood of newborn infants] Le Caer F, et al. **Pathol Biol (Paris)** 1987 Feb; 35(2):184-6 (Eng. Abstr.) **(Fre)**

[Interstitial pneumopathies during amiodarone treatment. Determination of serum amiodarone, typing of lymphocytes from bronchiolo-alveolar lavage] Meurice JC, et al. **Pathol Biol (Paris)** 1986 Dec;34(10):1074-80 (Eng. Abstr.) **(Fre)**

[Acute systemic lupus erythematosus after thymectomy for myasthenia. Sequential study of lymphocyte subpopulations] Le Loet X, et al. **Rev Med Interne** 1986 Sep;7(4):425-32 (Eng. Abstr.) **(Fre)**

[Effect of repeated leukapheresis on the lymphocytogram of blood donors] Laser J, et al. **Infusionsther Klin Ernahr** 1987 Apr;14 Suppl 2:23-6 (Eng. Abstr.) **(Ger)**

[Lymphocyte subpopulations in gestosis] Lellé RJ, et al. **Zentralbl Gynakol** 1986;108(15):919-24 (Eng. Abstr.) **(Ger)**

[L cells: a separate mononuclear cell population?] Mittelman M, et al. **Harefuah** 1986 Dec 15;111(12):409-11 (Eng. Abstr.) **(Heb)**

[Identification of lymphocyte subpopulations using the immunogold method. Scanning and transmission electron microscopy studies] Miani A, et al. **Boll Soc Ital Biol Sper** 1986 Oct 30;62(10):1237-43 (Eng. Abstr.) **(Ita)**

[Lymphocyte subpopulations in psoriasis vulgaris. A histochemical study of 21 cases] Kokelj F, et al. **G Ital Dermatol Venereol** 1986 Nov-Dec;121(6):379-82 (Eng. Abstr.) **(Ita)**

[Immunologic disorders and viral infections in homozygous beta-thalassemia] Sighinolfi L, et al. **Minerva Pediatr** 1987 Apr 30;39(8):307-10 (Eng. Abstr.) **(Ita)**

[Cellular components of bronchoalveolar lavage fluids (BALF) of patients with pulmonary tuberculosis: cell subsets studies by monoclonal antibodies] Sawano T. **Bull Chest Dis Res Inst Kyoto Univ** 1986 Mar;19(1-2):80-92 (Eng. Abstr.) **(Jpn)**

[Lymphocyte subset analysis by flow cytometry--comparative study of the result analysed by CS-20 and ORTHO-SPECTRUM III] Tomita Y, et al. **Bull Chest Dis Res Inst Kyoto Univ** 1986 Mar;19(1-2):93-9 **(Jpn)**

[Study on the effect of hemodialysis on lymphocyte subpopulation during dialysis] Morita T. **Fukuoka Igaku Zasshi** 1987 Apr;78(4):129-36 (Eng. Abstr.) **(Jpn)**

[Nuclear DNA fluorocytophotometric analysis of leukemic cells in adult T-cell leukemia/lymphomas (ATLL)] Hasui K, et al. **Gan No Rinsho** 1986 Oct;32(12):1573-81 (Eng. Abstr.) **(Jpn)**

[Quantitative variations of lymphocyte subsets in various kinds of cancer patients in the terminal stage] Nakajima Y, et al. **Gan No Rinsho** 1986 Dec;32(15):1925-8 (Eng. Abstr.) **(Jpn)**

[Immunotherapy of terminal-stage malignant tumors with the immunopotentiator OK-432--a comparison between SU-PS test-responder and -nonresponder patients] Yagi Y, et al. **Gan No Rinsho** 1987 Jun;33(7):815-21 (Eng. Abstr.) **(Jpn)**

[Effect of splenectomy in gastric carcinoma surgery on cell-mediated immunity; evaluation with alteration of peripheral blood lymphocyte subsets] Hideshima T, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1268-73 (Eng. Abstr.) **(Jpn)**

[Analysis of lymphocyte subsets in the peripheral blood in patients with Mycoplasma pneumoniae pneumonia] Hayashi S, et al. **Kansenshogaku Zasshi** 1986 Apr; 60(4):387-9 (Eng. Abstr.) **(Jpn)**

[Immunologic aspects of tuberculosis and allied diseases: analysis of the subsets of lymphocytes and monocytes with monoclonal antibodies] **Kekkaku** 1986 Sep;61(9):467-87 (Eng. Abstr.) **(Jpn)**

[Immunologic backgrounds of patients with cardiomyopathy and myocarditis] Kishimoto C, et al. **Kokyu To Junkan** 1986 Aug;34(8):871-3 (Eng. Abstr.) **(Jpn)**

[Treatment of non-Hodgkin's lymphoma with CHOP therapy: analysis of lymphocyte subsets and interleukin 2 activity during CHOP therapy] Suzuki Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Jul 20;21(6):1225-31 (Eng. Abstr.) **(Jpn)**

[Analysis of lymphocyte subpopulations of the spleen in patients with gastric cancer and liver cirrhosis] Kuroi K, et al. **Nippon Geka Gakkai Zasshi** 1987 Jan;88(1):127 **(Jpn)**

[Immunohistochemical study of the regional lymph nodes in gastric cancer] Okabayashi T. **Nippon Geka Gakkai Zasshi** 1987 May;88(5):529-42 (Eng. Abstr.) **(Jpn)**

[The immune response following open-heart surgery in infants and children--lymphocyte analysis by laser flow cytometric immunofluorescence method] Togashi K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Oct;34(10):1823-9 (Eng. Abstr.) **(Jpn)**

[Analysis of lymphocyte subsets of peripheral blood and pleural effusion in patients with tuberculous pleurisy or carcinomatous pleurisy] Nakamura M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jul;24(7):785-91 (Eng. Abstr.) **(Jpn)**

[An immunohistochemical study with monoclonal antibodies on lymphocytes infiltrating in cervical cancer] Okamoto Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jun; 39(6):925-32 (Eng. Abstr.) **(Jpn)**

[Studies on the influence of interleukin 2 (IL-2) on antitumor effector mechanisms in patients with cervical cancer] Yamamoto K. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Dec;38(12):2251-8 (Eng. Abstr.) **(Jpn)**

[Studies of lymphoid cell subsets of colonic mucosa in ulcerative colitis] Ohta H. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jun;83(6):1143-52 (Eng. Abstr.) **(Jpn)**

[Immunohistological analysis of infiltrating lymphocyte subpopulations in gliomas and metastatic brain tumors] Saito T, et al. **No To Shinkei** 1987 Apr;39(4):339-45 (Eng. Abstr.) **(Jpn)**

[Separation and analysis of tissue-infiltrating mononuclear cells: a basic examination and application to autoimmune thyroid disease] Aozasa M, et al. **Rinsho Byori** 1987 Feb; 35(2):211-7 **(Jpn)**

[Lymphocyte subpopulations in Down's syndrome] Mori M, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1829-33 (Eng. Abstr.) **(Jpn)**

[Identification of the cell lineage of lymphoid malignant cells with monoclonal antibodies] Okawa H, et al. **Rinsho Ketsueki** 1987 Jan;28(1):1-8 (Eng. Abstr.) **(Jpn)**

[Morphological and immunological studies of cerebrospinal fluid lymphocytes in two cases of Japanese encephalitis] Sato Y, et al. **Rinsho Shinkeigaku** 1987 Feb;27(2):167-71 (Eng. Abstr.) **(Jpn)**

[Quantitative determination of human lymphocyte subpopulations by rosette technics] Galatiuc C, et al. **Rev Ig [Bacteriol]** 1987 Jan-Mar;32(1):53-67 **(Rum)**

[Determination of a cortisol-resistant subpopulation of lymphocytes in patients with different forms of erysipelas] Frolov VM, et al. **Lab Delo** 1987;(4):284-6 (Eng. Abstr.) **(Rus)**

[Phenotyping of lymphocytes from the cerebrospinal fluid and peripheral blood in patients with multiple sclerosis] Radosavljević B, et al. **Srp Arh Celok Lek** 1986 Oct; 114(10):955-62 (Eng. Abstr.) **(Scc)**

[Diagnostic value of T and B lymphocytes in pleural effusion] Petrović B, et al. **Plucne Bolesti** 1986 Jul-Dec; 38(3-4):263-5 (Eng. Abstr.) **(Scr)**

[Immunocytochemical analysis of lymphocyte subpopulation in healthy individuals of Venezuela] Correnti M, et al. **Acta Cient Venez** 1986;37(2):221-2 **(Spa)**

[Study of the circulating lymphocytes populations in systemic scleroderma, chronic discoid lupus erythematosus and dermatomyositis] Ramírez Bosca A, et al. **Med Cutan Ibero Lat Am** 1986;14(5):306-10 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Cytochemistry of circulating lymphocytes in diabetes mellitus with and without retinopathy and in newly diagnosed type I (insulin dependent) diabetes. Solerte SB, et al. **Acta Histochem (Jena)** 1986;80(2):225-34

Serum-free cultivation of lymphoid cells. Bjare U. **Adv Biochem Eng Biotechnol** 1987;34:95-109 (151 ref.)

Immunological regulation of hematopoietic/lymphoid stem cell differentiation by interleukin 3. Ihle JN, et al. **Adv Immunol** 1986;39:1-50 (199 ref.)

Quantitation and estimation of lymphocyte subsets in tissue sections. Comparison with flow cytometry. Garcia CF, et al. **Am J Clin Pathol** 1987 Apr;87(4):470-7

Specific cell-adhesion mechanisms determining migration pathways of recirculating lymphocytes. Woodruff JJ, et al. **Annu Rev Immunol** 1987;5:201-22 (85 ref.)

Lack of correlation between Gpd expression and X chromosome late replication in cultured fibroblasts of the kangaroo Macropus robustus. Johnston PG, et al. **Aust J Biol Sci** 1986;39(1):37-45

Flow cytometry of blastogenesis and the concomitant viability assay of lymphocytes stained with 4', 6 diamidino-2-phenylindole. Hornicek FJ, et al. **Basic Appl Histochem** 1986;30(4):453-61

The use of flow cytometry to measure glucocorticoid-induced killing of lymphoid cell lines. Szekely JG, et al. **Basic Appl Histochem** 1987;31(2):153-64

Effect of vanadate of PHA-induced proliferation of human lymphocytes from young and old subjects [published erratum appears in Biochem Biophys Res Commun 1987 May 14;144(3):1348] Marini M, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):836-42

Separation of human lymphocyte subclasses by rosettes with latex-lectin particles. De Dios I, et al. **Biochem Med Metab Biol** 1986 Feb;35(1):12-7

Heterogeneity of large granular lymphocyte proliferations: delineation of two major subtypes. Chan WC, et al. **Blood** 1986 Nov;68(5):1142-53

Acute lymphoblastic leukemia hand-mirror cells with OKT 8 phenotype. Liso V, et al. **Blut** 1986 Oct;53(4):315-9

The influence of fixation on the morphology of mitotic chromosomes. Dietrich AJ. **Can J Genet Cytol** 1986 Aug; 28(4):536-9

Membrane surface properties of lymphocytes of normal (DBA/2) and autoimmune (NZB/NZW)F1 mice: effects of L-canavanine and a proposed mechanism for diet-induced autoimmune disease. Prete PE. **Can J Physiol Pharmacol** 1986 Sep;64(9):1189-96

Cytostatic peptide isolation from culture media of mouse peritoneal exudate cells. Csuka I, et al. **Cell Immunol** 1987 Sep;108(2):425-37

Characterization of rat prothymocyte with monoclonal antibodies recognizing rat lymphocyte membrane antigenic determinants. Hale ML, et al. **Cell Immunol** 1987 Jun; 107(1):188-200

Seizure induced changes in sister-chromatid exchange (SCE) frequency in epileptic patients. Maurya AK, et al. **Cell Mol Biol** 1987;33(2):237-45

A novel antigen is common to the dome epithelium of gut- and bronchus-associated lymphoid tissues. Roy MJ, et al. **Cell Tissue Res** 1987 Jun;248(3):635-44

AluI-resistant chromatin of chromosome 18: classification, frequencies and implications. Babu A, et al. **Chromosoma** 1987;95(3):163-6

Separation and analysis of mononuclear cells infiltrating the thyroid of patients with Graves' disease. Aozasa M, et al. **Clin Immunol Immunopathol** 1987 Jun;43(3):343-53

Twenty-four hour changes in lysozyme levels, total plasma protein concentration, gamma-globulin concentration, white blood cell count and numbers of lymphocytes and granulocytes in the peripheral blood of chinchillas Chinchilla laniger M. and rabbits Oryctolagus cuniculus L. Jakubów K, et al. **Comp Biochem Physiol [A]** 1987; 86(1):109-12

Cryoprotection by dimethyl sulfoxide and dimethyl sulfone. McGann LE, et al. **Cryobiology** 1987 Feb;24(1):11-6

Genomic activity and translocation in lymphocytes. Kirsch IR, et al. **Curr Top Microbiol Immunol** 1986;132:159-61

Premature centromere division dominantly inherited in a subfertile family. Gabarrón J, et al. **Cytogenet Cell Genet** 1986;43(1–2):69–71

Determination of the baseline sister chromatid exchange frequency in human and mouse peripheral lymphocytes using monoclonal antibodies and very low doses of bromodeoxyuridine. Tucker JD, et al. **Cytogenet Cell Genet** 1986;43(1–2):38–42

Design and application of a versatile triple-laser cell and chromosome sorter. Lebo RV, et al. **Cytometry** 1987 Jan; 8(1):71–82

Successful culture of rainbow trout lymphocytes in soft agar. Finegan CB, et al. **Dev Comp Immunol** 1987 Spring; 11(2):419–25

Lineage-specific expression of c-fos and c-fms in human hematopoietic cells: discrepancies with the in vitro differentiation of leukemia cells. Kreipe H, et al. **Differentiation** 1986;33(1):56–60

Intestinal lymphoid cells [letter] Walker-Smith JA, et al. **Dig Dis Sci** 1987 Jul;32(7):782

Differentiation in the murine B cell lymphoma I.29: individual mu + clones may be induced by lipopolysaccharide to both IgM secretion and isotype switching. Alberini C, et al. **Eur J Immunol** 1987 Apr; 17(4):555–62

The majority of "natural" immunoglobulin-secreting cells are short-lived and the progeny of cycling lymphocytes. Lévy M, et al. **Eur J Immunol** 1987 Jun;17(6):849–54

Do sister forks of bidirectionally growing replicons proceed at unequal rates? Dubey DD, et al. **Exp Cell Res** 1987 Feb; 168(2):555–60

Modulation of intracellular glutathione concentrations alters lymphocyte activation and proliferation. Fidelus RK, et al. **Exp Cell Res** 1987 Jun;170(2):269–75

Colcemid inhibits growth during early G1 in normal but not in tumorigenic lymphocytes. Kenter AL, et al. **Exp Cell Res** 1986 Nov;167(1):241–51

Heterogeneity of lymphocytic colonies in agar culture. Bártková J, et al. **Folia Biol (Praha)** 1987;33(1):57–60

Proliferation patterns of peripheral blood lymphocytes in CLL patients: cytophotometric and microfluorimetric study. Kozinets GI, et al. **Folia Haematol (Leipz)** 1987; 114(1):97–110

Kinetic studies of lymphocytes labeled with indium-111-oxine in patients with malignant lymphoma. Matsuda S, et al. **Fukushima J Med Sci** 1986 Jun; 32(1):39–46

Analysis of low concentrations of 5-bromo-2-deoxyuridine on sister chromatid exchanges in human lymphocytes. Richer CL, et al. **Genome** 1987 Feb;29(1):165–8

Lymphocyte proliferative enhancing or inhibiting factors released by four human myeloid cell lines. Perocco P, et al. **Haematologica (Pavia)** 1987 May-Jun;72(3):209–13

Effect of dithioerythritol on human lymphocyte chromosome length. Andersen O, et al. **Hereditas** 1986;105(2):241–3

Effects of ethidium bromide and bisbenzimide (Hoechst 33258) on human lymphocyte chromosome structure. Andersen O, et al. **Hereditas** 1986;105(2):269–72

Chemists did not differ from theologians regarding lymphocyte micronuclei. Högstedt B, et al. **Hereditas** 1986; 105(1):67–9

The structure of the basement membrane of human lymph node high endothelial venules: an ultrastructural, histochemical and immunocytochemical study. Freemont AJ, et al. **Histochem J** 1986 Aug;18(8):421–8

Lymphocyte membrane sodium-proton exchange in spontaneously hypertensive rats. Feig PU, et al. **Hypertension** 1987 Mar;9(3):282–8

Immunohistochemical identification of macrophages, lymphoid cells and HLA antigens in the human testis. Pöllänen P, et al. **Int J Androl** 1987 Feb;10(1):37–42

Immunohistological analysis of lymphocyte subpopulations infiltrating breast carcinomas and benign lesions. von Kleist S, et al. **Int J Cancer** 1987 Jul 15;40(1):18–23

Changes in lymphocyte and Langerhans cell populations in allergic and irritant contact dermatitis. Marks JG Jr, et al. **Int J Dermatol** 1987 Jul-Aug;26(6):354–7

Adhesion behavior of rat lymphocytes to poly(ether)-poly(amino acid) block and graft copolymers. Yokoyama M, et al. **J Biomed Mater Res** 1986 Sep; 20(7):867–78

Multiple carbohydrate receptors on lymphocytes revealed by adhesion to immobilized polysaccharides. Brandley BK, et al. **J Cell Biol** 1987 Aug;105(2):991–7

Lymphocyte recognition of high endothelium: antibodies to distinct epitopes of an 85–95-kD glycoprotein antigen differentially inhibit lymphocyte binding to lymph node, mucosal, or synovial endothelial cells. Jalkanen S, et al. **J Cell Biol** 1987 Aug;105(2):983–90

Modulation of the nuclear antigen p105 as a function of cell-cycle progression. Clevenger CV, et al. **J Cell Physiol** 1987 Mar;130(3):336–43

Establishment of Tac-negative, interleukin-2-dependent cytotoxic cell lines from large granular lymphocytes (LGL) of patients with expanded LGL populations. Pistoia V, et al. **J Clin Immunol** 1986 Nov;6(6):457–66

Increased single strand breaks in DNA of lymphocytes from diabetic subjects. Lorenzi M, et al. **J Clin Invest** 1987 Feb; 79(2):653–6

Ultrastructural and cytochemical study of hepatocytes and lymphocytes during experimental non-A, non-B infections in chimpanzees. Schaff Z, et al. **J Exp Pathol** 1985 Spring; 2(1):25–36

Interleukin 2-activated human lymphocytes exhibit enhanced adhesion to normal vascular endothelial cells and cause their lysis. Damle NK, et al. **J Immunol** 1987 Mar 15; 138(6):1779–85

Recombinant murine and human IL 1 alpha bind to human endothelial cells with an equal affinity, but have an unequal ability to induce endothelial cell adherence of lymphocytes. Thieme TR, et al. **J Immunol** 1987 Aug 15;139(4):1173–8

Induction of large granular lymphocyte morphology in human peripheral blood mononuclear cells. Timonen TT, et al. **J Immunol** 1987 May 1;138(9):2837–42

Simultaneous determination of viable and dead lymphocytes by fluorescent staining [letter] Brenan M, et al. **J Immunol Methods** 1987 Aug 24;102(1):147

A new cloning method for antibody-forming lymphoblastoid cells. Increase in cloning efficiency by inclusion of human fibroblasts into semisolid agarose growth layer. Kosinski S, et al. **J Immunol Methods** 1986 Nov 20;94(1–2):201–8

Human peripheral blood mononuclear cells (PBM) cultured in serum-free medium. III. Morphological study of an in vitro microcytotoxicity model. Halpern J, et al. **J Med Clin Exp Theor** 1986;17(3–4):201–18

An improved lymphocyte culture technique: deoxycytidine release of a thymidine block and use of a constant humidity chamber for slide making. Wheater RF, et al. **J Med Genet** 1987 Feb;24(2):113–4

An improved darkfield-illuminator for direct surface imaging of chromosomes. Enk D, et al. **J Microse** 1987 Mar;145 (Pt 3):301–8

Cerebrospinal fluid cells in multiple sclerosis and other neurological diseases: an immunocytochemical study. Polman CH, et al. **J Neurol** 1987 Jan;234(1):19–22

Uptake of lymphocytes fed to suckling rats. An autoradiographic study of the transit of labeled cells through the neonatal gastric mucosa. Seelig LL Jr, et al. **J Reprod Immunol** 1987 Apr;10(4):285–97

Human neonatal lymphocytes immortalized after microinjection of Epstein-Barr virus DNA. Klein C, et al. **J Virol** 1987 May;61(5):1552–8

A bicistronic Epstein-Barr virus mRNA encodes two nuclear proteins in latently infected, growth-transformed lymphocytes. Wang F, et al. **J Virol** 1987 Apr;61(4):945–54

Medullasin stimulates the maturation of natural killer cells from human large granular lymphocytes. Aoki Y. **Jpn J Cancer Res** 1987 Jan;78(1):74–9

The expression of differentiation antigens by Rauscher virus-induced erythroid, lymphoid and myeloid cell lines. Delwel HR, et al. **Leuk Res** 1987;11(1):25–30

Lymphocyte populations and TAC-antigen in diffuse B-cell lymphomas. Grant BW, et al. **Leuk Res** 1986;10(11):1271–8

Synergism of v-myc and v-Ha-ras in the in vitro neoplastic progression of murine lymphoid cells. Schwartz RC, et al. **Mol Cell Biol** 1986 Sep;6(9):3221–31

Analysis of cytogenetic effect in human lymphocytes induced by metabolically activated 2-nitropropane. Bauchinger M, et al. **Mutat Res** 1987 Mar;190(3):217–9

Sister-chromatid exchange and cell proliferation in cultured lymphocytes of passively and actively smoking restaurant personnel. Husgafvel-Pursiainen K. **Mutat Res** 1987 Mar; 190(3):211–5

Effects of vanillin on sister-chromatid exchanges and chromosome aberrations in human lymphocytes. Jansson T, et al. **Mutat Res** 1987 Mar;190(3):221–4

The effectiveness of S9 and microsomal mix on activation of cyclophosphamide to induce genotoxicity in human lymphocytes. Kugler U, et al. **Mutat Res** 1987 Mar; 187(3):151–6

Effects of liquid holding by L-ethionine on the SCE frequency induced by nitrogen mustard in human lymphocyte cultures. Perticone P, et al. **Mutat Res** 1986 Nov;175(3):171–7

Mutagenicity of some substituted 1-phenyl-3,3-dimethyltriazenes. II. Chromosomal aberrations in human peripheral lymphocytes in vitro. Rössner P, et al. **Mutat Res** 1987 Mar;190(3):183–6

Effects of anticoagulants upon sister-chromatid exchanges, cell-cycle kinetics, and mitotic index in human peripheral lymphocytes. Tucker JD, et al. **Mutat Res** 1987 Mar; 190(3):225–8

T-lymphocyte colony formation by lymphocytes from patients with aplastic anaemia. Ennis KT, et al. **Nat Immun Cell Growth Regul** 1987;6(1):45–55

Inhibition of Candida-induced lymphocyte proliferation by antibody to Candida albicans. Witkin SS. **Obstet Gynecol** 1986 Nov;68(5):696–9

Interferons regulate the in vitro differentiation of multilineage lympho-myeloid stem cells in hairy cell leukemia. Michalevicz R, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2307–11

A chromosomal study on blood lymphocytes of patients poisoned by polychlorinated biphenyls. Wuu KD, et al. **Proc Natl Sci Counc Repub China [B]** 1985 Jan;9(1):67–9

Enhancement of cytogenetic damage by inhibitors of poly(ADP-ribose)polymerase in human lymphocytes exposed to antineoplastics in vivo and in vitro. Mourelatos D, et al. **Teratogenesis Carcinog Mutagen** 1986;6(6):485–92

Autocrine growth stimulation of thymocyte precursors in the thymus. Ernström U, et al. **Thymus** 1987;9(3):141–8

The precursor cells of mouse lymphokine-activated killer (LAK) cells. Nishimura T, et al. **Thymus** 1987;9(3):131–9

Analysis of human prenatal and postnatal thymocytes with the anti-Tac monoclonal antibody and recombinant interleukin-2. Plum J, et al. **Thymus** 1987;9(3):149–58

Use of a continuous-flow cell separator in density gradient isolation of lymphocytes. Carter CS, et al. **Transfusion** 1987 Jul-Aug;27(4):362–5

Evidence for dendritic cell-lymphocyte clustering in vivo. Forbes RD, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):195–7

Phenotype and patterns of inflammatory cell infiltration associated with rejection or acceptance of rat liver allografts. Wolfe JA, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):364–8

Pretreatment with lymphocyte subpopulations and renal allograft survival in the rat. Cranston D, et al. **Transplantation** 1987 Jun;43(6):809–13

The effect of prednisolone, thromboxane, and platelet-activating factor receptor antagonists on lymphocyte and platelet migration in experimental cardiac transplantation. Khirabadi BS, et al. **Transplantation** 1987 May;43(5):626–30

Establishment and initial characterization of continuous in vitro cultures of bovine T lymphocytes. Scibienski RJ, et al. **Vet Immunol Immunopathol** 1987 Mar;14(3):209–22

Separation and identification of bovine lymphocyte populations. Yang TJ, et al. **Vet Immunol Immunopathol** 1987 Jan;14(1):77–84

Lymphocyte emperipolesis into autologous monocytes in leukocyte cultures exposed to mitogenic lectins. Khavkin T, et al. **Virchows Arch [B]** 1986;51(5):405–19

Cytogenetic effects of the insecticide methamidophos in mouse bone marrow and cultured mouse spleen cells. Amer SM, et al. **Z Naturforsch [C]** 1987 Jan-Feb;42(1–2):21–30

[Isolation and receptor activity of mammalian lymphocytes] Georgieva R, et al. **Vet Med Nauki** 1987;24(5):27–32 (Eng. Abstr.) **(Bul)**

[Interaction of human embryo cells derived from different tissues with lymphoblastoid cell lines] Liu YX, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Sep;8(5):336–8 (Eng. Abstr.) **(Chi)**

[Effect of Bupleurum kunmingense polysaccharides on the weight of the spleen, thymus and proliferation of lymphocyte and plaque forming cells in mice] Zhang LX, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Sep;7(5):479–81 (Eng. Abstr.) **(Chi)**

[Action of amsidine on the evolution of lymphocyte cultures and on the structure of human metaphase chromosomes] Turchini MF, et al. **C R Soc Biol (Paris)** 1987;181(2):211–5 (Eng. Abstr.) **(Fre)**

[Effect of cyclosporin on the number of circulating lymphocytes and T lymphocyte subpopulations in AIDS (letter)] Leport C, et al. **Presse Med** 1986 Nov 29; 15(42):2118–9 **(Fre)**

[Age-related structural and functional changes in the DNA of human lymphocytes] Hartwig M. **ZFA** 1986 Sep-Oct; 41(5):251–6 (Eng. Abstr.) **(Ger)**

[A study of cell kinetics in tonsillar lymphocytes II—the changes with age and in tonsillar diseases] Matsuda F, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Sep;89(9):1149–58 (Eng. Abstr.) **(Jpn)**

[Effect of lymphocytes on the differentiation of in vitro transformed L-line mouse fibroblasts] Gorlina NK, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):725–7 (Eng. Abstr.) **(Rus)**

[Importance of opiate receptor ligands in regulating lymphocyte proliferative activity] Zozulia AA, et al. **Farmakol Toksikol** 1987 May-Jun;50(3):58–9 (Eng. Abstr.) **(Rus)**

[Use of a device for resuspending cell agglomerates during the study of rosette-forming lymphocytes of human peripheral blood] Kuznetsova NI, et al. **Lab Delo** 1986; (9):571–2 **(Rus)**

[Intensity of the fluorescence of 7-(p-methoxybenzylamino)-4-nitrobenzoxadiazole as an index of the functional activity of peripheral blood leukocytes] Zubkova SM. **Lab Delo** 1987;(5):390–1 **(Rus)**

[Autogenous production of growth factor as a mechanism of the cellular multiplication of the lymphoblastoid line RPMI-6410t] Seregina TM, et al. **Ontogenez** 1986 Sep-Oct; 17(5):494–9 (Eng. Abstr.) **(Rus)**

[Diagnostic and prognostic importance of a morphometric analysis of the peripheral blood lymphocytes] Usenko IuD, et al. **Vrach Delo** 1986 Sep;(9):51–3 (Eng. Abstr.) **(Rus)**

[Distribution of lymphocytes according to the cell cycle phases in T, B, D and O populations in human blood and the immune system organs of animals vaccinated against cholera] Ledvanov MIu, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Oct;(10):80–5 (Eng. Abstr.) **(Rus)**

[Mitogenic action of bacterial T-independent antigens under various conditions of lymphocyte culture] Surgal' VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jan;(1):76–80 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Purified trichophytin: lymphocyte reactivity in vitro and trichophytin-induced suppression. Torssander J, et al. **Acta Derm Venereol (Stockh)** 1987;67(2):123–7

Antamanide antagonizes phalloidin-induced human lymphocyte aggregation and prevents leukaemic mice from death: a pilot study. Nielsen O. **Acta Pharmacol Toxicol (Copenh)** 1986 Sep;59(3):249–51

Mitogen stimulation of lymphocytes in pigs with hereditary

vitamin C deficiency. Kristensen B, et al. **Acta Vet Scand** 1986;27(4):486–96

The effects of PNP inhibition on rat lymphoid cell populations. Barton RW, et al. **Adv Exp Med Biol** 1986; 195 Pt B:429–35

Mechanism of cytotoxicity of 2-chloro and 2-bromodeoxyadenosine for a human lymphoblastic cell line, CCRF-CEM. Blakley RL, et al. **Adv Exp Med Biol** 1986;195 Pt B:589–93

Genetic analysis of deoxyadenosine toxicity in dividing human lymphoblasts. Carson DA, et al. **Adv Exp Med Biol** 1986;195 Pt B:207–11

Role of intracellular deoxynucleoside triphosphate levels in DNA repair in human lymphocytes. Cohen A. **Adv Exp Med Biol** 1986;195 Pt B:201–5

Antigen-specific enhancement of the human antibody response by a substituted nucleoside. Goodman MG, et al. **Adv Exp Med Biol** 1986;195 Pt B:451–8

Biochemical basis for deoxyadenosine and 2-chlorodeoxyadenosine toxicity to resting human lymphocytes. Seto S, et al. **Adv Exp Med Biol** 1986;195 Pt B:577–82

Inhibition of 3H-thymidine incorporation by adenosine and deoxyadenosine in human peripheral lymphocytes and malignant lymphoid cell lines. van der Kraan PM, et al. **Adv Exp Med Biol** 1986;195 Pt B:213–9

Selective lymphocyte killing by reactive oxygen species (ROS). Allan IM, et al. **Agents Actions** 1986 Dec; 19(5–6):351–2

Endotoxin-induced reduction of beta-adrenoceptor number in guinea pig splenic lymphocyte membranes. Van Oosterhout AJ, et al. **Agents Actions** 1986 Dec; 19(5–6):361–2

On the interrelations of immune and mediator receptors of mice lymphocytes. Alexeeva TA, et al. **Allergol Immunopathol (Madr)** 1986 Jul–Aug;14(4):325–7

Immune basis for cimetidine-induced pancytopenia. Nagler A, et al. **Am J Gastroenterol** 1987 Apr;82(4):359–61

Deoxyuridine increases folate-sensitive fragile site expression in human lymphocytes. Reidy JA. **Am J Med Genet** 1987 Jan;26(1):1–5

Regulation of phytohemagglutinin-induced bovine lymphocyte blastogenesis by leukotrienes. Aluru D, et al. **Am J Vet Res** 1986 Sep;47(9):1963–6

Sensitivity of lymphocytes from patients with systemic lupus erythematosus to the induction of sister chromatid exchanges by alkylating agents and bromodeoxyuridine. Palmer RG, et al. **Ann Rheum Dis** 1987 Feb;46(2):110–3

Cholesterol modulation of membrane fluidity and ecto-nucleotide triphosphatase activity in human normal and CLL lymphocytes. Deliconstantinos G, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):347–52

Rhodamine 123 and flow cytometry to monitor the cytotoxic actions of nucleoside analogues in nondividing human lymphocytes. Verhoef V, et al. **Anticancer Res** 1986 Sep–Oct;6(5):1117–21

Prostaglandin E2 inhibits the generation of phytohemagglutinin-activated killer activity in human peripheral blood lymphocytes. Yamashita N, et al. **Anticancer Res** 1986 Sep–Oct;6(5):1113–6

4-Quinolone drugs affect cell cycle progression and function of human lymphocytes in vitro. Forsgren A, et al. **Antimicrob Agents Chemother** 1987 May;31(5):768–73

Effects of ciprofloxacin on eucaryotic pyrimidine nucleotide biosynthesis and cell growth. Forsgren A, et al. **Antimicrob Agents Chemother** 1987 May;31(5):774–9

PUVA therapy damages psoriatic and normal lymphoid cells within milliseconds. Böhm F, et al. **Arch Dermatol Res** 1986;279(1):16–9

Floxacillin-induced cholestatic hepatitis with evidence of lymphocyte sensitization. Victorino RM, et al. **Arch Intern Med** 1987 May;147(5):987–9

Effects of Boicil on some immunocompetent cells. I. In vitro modulation of the human peripheral blood lymphocyte functions. Olinescu A, et al. **Arch Roum Pathol Exp Microbiol** 1986 Jan–Mar; 45(1):33–45

Inhibition of lymphocyte proliferation by fluid-phase C3b as influenced by macrophages. Ogle CK, et al. **Arch Surg** 1987 Feb;122(2):234–8

Stimulation of phosphatidylinositol turnover by concanavalin A is not sufficient to activate mouse thymocytes. Feister AJ, et al. **Biochem Biophys Res Commun** 1986 Dec 15; 141(2):657–64

The effect of linoleic acid on the sensitivity of human lymphocytes to cortisol and their capacity to catabolize the steroid. Klein A, et al. **Biochem Cell Biol** 1987 May; 65(5):409–13

Inhibition of polypeptide chain initiation in Daudi cells by interferons. Evidence that activity of initiation factor eIF-2 and availability of mRNA are unimpaired. Clemens MJ, et al. **Biochem J** 1986 Aug 1;237(3):877–84

Inhibition of cell proliferation by interferons. Relative contributions of changes in protein synthesis and breakdown to growth control of human lymphoblastoid cells. McNurlan MA, et al. **Biochem J** 1986 Aug 1; 237(3):871–6

Chlorphentermine-induced alterations in the response of human lymphocytes to mitogens. Sauers LJ, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3651–4

Regulation of lipogenesis in mitogen-stimulated human lymphocytes by thyroid hormones. Lemmen C, et al. **Biol Chem Hoppe Seyler** 1986 Jul;367(7):533–7

Bestatin treatment enhances the recovery of radiation induced impairments of the immunological reactivity of the blood lymphocyte population in bladder cancer patients. Blomgren H, et al. **Biomed Pharmacother** 1986; 40(2):50–4

Immune lymphocyte survival after chemotherapy and radiation [letter] Huang AT, et al. **Blood** 1987 Apr; 69(4):1269

Thioguanine-resistant mutations induced by cytotoxic drugs in lymphocytes of patients with connective tissue diseases. Palmer RG, et al. **Br J Rheumatol** 1986 Nov;25(4):376–9

Effect of volatile halocarbons on lymphocytes and cells of the urinary tract. Kroneld R. **Bull Environ Contam Toxicol** 1987 May;38(5):856–61

In vitro induction of alterations in peripheral blood lymphocytes by different doses of diazinon. Lopez D, et al. **Bull Environ Contam Toxicol** 1986 Oct;37(4):517–22

Persistence of bone marrow lymphocytosis after induction treatment in common acute lymphoblastic leukemia. Marker analysis and significance. Ifrah N, et al. **Cancer** 1986 Nov 1;58(9):2018–22

Comparative effects of 7 beta-hydroxycholesterol towards murine lymphomas, lymphoblasts and lymphocytes: selective cytotoxicity and blastogenesis inhibition. Hietter H, et al. **Cancer Biochem Biophys** 1986 Dec;9(1):75–83

UFT for head and neck cancers: its tissue concentrations and effects on lymphocyte subpopulations. Tachibana M, et al. **Cancer Chemother Pharmacol** 1987;19(1):65–8

Killing and mutation of human lymphoblast cells by aflatoxin B1: evidence for an inducible repair response. Kaden DA, et al. **Cancer Res** 1987 Apr 15;47(8):1993–2001

Sister chromatid exchange induction in patients with anaplastic gliomas undergoing treatment with radiation plus diaziquone or 1,3-bis(2-chloroethyl)-1-nitrosourea. Kligerman AD, et al. **Cancer Res** 1987 Jan 15;47(2):631–5

Antiproliferative effects of suramin on lymphoid cells. Spigelman Z, et al. **Cancer Res** 1987 Sep 1;47(17):4694–8

Differences in the stimulation of repair replication by 3-aminobenzamide in lymphoblastoid cells damaged by methylmethanesulfonate or ultraviolet light. Cleaver JE, et al. **Carcinogenesis** 1987 Sep;8(9):1291–4

Comparison of melphalan toxicity in human lymphocytic cells and Chinese hamster cells in vitro: the relationship between DNA-DNA cross-link formation and clonogenic survival. Millar BC, et al. **Carcinogenesis** 1987 Sep; 8(9):1225–9

Differential effects of 1,25-dihydroxyvitamin D3 on human lymphocytes and monocyte/macrophages: inhibition of interleukin-2 and augmentation of interleukin-1 production. Bhalla AK, et al. **Cell Immunol** 1986 Apr 1; 98(2):311–22

Inhibition of in vitro lymphocyte function by a soluble AKR leukemic suppressor factor. Davignon D, et al. **Cell Immunol** 1986 May;99(2):364–74

Modulation of lymphocyte proliferation and immunoglobulin synthesis by interferon-gamma and "type I" interferons. Siegel DS, et al. **Cell Immunol** 1986 Sep;101(2):380–90

Enhancement and attenuation of cytogenetic damage by vitamin C in cultured human lymphocytes exposed to thiotepa or L-ethionine. Lialiaris T, et al. **Cytogenet Cell Genet** 1987;44(4):209–14

Interleukin 2 (IL 2) relationships with the cancer-related immunodeficiency: in vitro response to exogenous IL 2 by PHA-activated and non PHA-activated peripheral blood mononuclear cells from cancer patients. Mantovani G, et al. **Diagn Clin Immunol** 1987;5(2):104–11

Effect of thyroxine-binding globulin (TBG) on thyroxine (T4) uptake by human peripheral mononuclear cells: evidence of TBG-dependent uptake of T4. Hashizume K, et al. **Endocrinol Jpn** 1986 Oct;33(5):665–74

Evaluation of sister chromatid exchange and cytotoxicity in murine tissues in vivo and lymphocytes in vitro following methyl isocyanate exposure. Conner MK, et al. **Environ Health Perspect** 1987 Jun;72:177–82

Factors that affect the frequency of thioguanine-resistant lymphocytes in mice following exposure to ethylnitrosourea. Jones IM, et al. **Environ Mutagen** 1987; 9(3):317–29

Sister chromatid exchange analysis in lung and peripheral blood lymphocytes of mice exposed to methyl isocyanate by inhalation. Kligerman AD, et al. **Environ Mutagen** 1987; 9(1):29–36

The effect of malathion on RNA polymerase activity of cell nuclei and transcription products in lymphocyte culture. Wiszkowska H, et al. **Environ Res** 1986 Dec;41(2):372–7

In vitro effects of halothane on lymphocytes. Ferrero E, et al. **Eur J Anaesthesiol** 1986 Jul;3(4):321–30

Peripheral blood lymphocyte response to recombinant and non-recombinant interleukin 2 in previously treated patients with Hodgkin's disease, long-time off-therapy. Mantovani G, et al. **Eur J Haematol** 1987 Feb;38(2):179–86

Lack of mitogenic effects of growth hormone on human leukemic lymphoblasts. Blatt J, et al. **Eur J Pediatr** 1987 May;146(3):257–60

PA-II, the L-fucose and D-mannose binding lectin of Pseudomonas aeruginosa stimulates human peripheral lymphocytes and murine splenocytes. Avichezer D, et al. **FEBS Lett** 1987 May 25;216(1):62–6

Influence of hydroxyurea on lectin-induced early and late events in peripheral blood lymphocyte cultures. Jahn S, et al. **Folia Biol (Praha)** 1987;33(3):154–65

Commercial hickory-smoke flavouring is a human lymphoblast mutagen but does not induce lung adenomas in newborn mice. Braun AG, et al. **Food Chem Toxicol** 1987 Apr;25(4):331–5

The effect of high-glucose condition on insulin binding to IM-9 lymphocytes. Watanabe N, et al. **Horm Metab Res** 1987 Jul;19(7):316–8

The clastogenic effect of 5-methoxypsoralen plus UV-A in human lymphocytes in vitro and its modification by the anticlastogen beta-aminoethylisothiouronium. Abel G, et al. **Hum Genet** 1987 Jun;76(2):181–5

Inhibitory effects of tunicamycin on the mixed lymphocyte reaction and mitogen-induced lymphocyte blastogenesis. Irahara M, et al. **Immunobiology** 1987 Mar;174(2):190–9

Inhibition of IL-2 secretion and IL-2 receptor appearance of activated lymphocytes pretreated with hydroxylated sterols. Richert L, et al. **Immunol Lett** 1986 Nov 3; 13(6):329–34

Effects of dextran sulphate on lymphoblast extravasation into inflammatory skin sites. Bellavia A, et al. **Immunopharmacology** 1987 Jun;13(3):173–80

The effects of nitrogen mustards on the proliferative and Ig synthetic response of human peripheral blood lymphocytes. Chien MM, et al. **Immunopharmacology** 1986 Oct;12(2):155–66

Suppression of human lymphocyte responsiveness by forskolin: reversal by 12-O-tetradecanoyl phorbol 13-acetate, diacylglycerol and ionomycin. Shenker BJ, et al. **Immunopharmacology** 1987 Feb;13(1):73–86

Cytogenetic effect of neomycin on human lymphocytes in vitro. Jaju M, et al. **Indian J Exp Biol** 1986 Sep;24(9):595–8

In vitro effects of sodium lauryl sulfate on DNA synthesis and fine structure of human thymocytes. Nordlind K, et al. **Int Arch Allergy Appl Immunol** 1986;81(2):165–9

Stimulating effect of unfractionated heparin and a low molecular weight heparin fragment on the DNA synthesis response of human thymocytes to mercuric chloride. Nordlind K. **Int Arch Allergy Appl Immunol** 1986; 81(2):126–8

Effects of some prostaglandins and leukotrienes on lymphocytes, monocytes and their activity in vitro. Wasserman J, et al. **Int Arch Allergy Appl Immunol** 1987; 83(1):39–43

In vitro cytotoxic drug sensitivity of human normal and malignant lymphocyte-clone-forming cells. Matthews C, et al. **Int J Cell Cloning** 1987 Mar;5(2):149–57

Changes in lymphocyte subsets after treatment with cyclophosphamide and during the development of contact sensitivity in the guinea pig. Baker D, et al. **Int J Immunopharmacol** 1987;9(2):175–83

Effect of dipyridamole upon thymidine incorporation and capping in human lymphocytes. Brohée D, et al. **Int J Immunopharmacol** 1986;8(8):925–9

Immunomodulating activity of RU 41740: in vitro and in vivo studies on human lymphocytes. Meroni PL, et al. **Int J Immunopharmacol** 1987;9(2):185–90

Alteration of lymphocyte reactivities by thyroid hormones. Ong ML, et al. **Int J Immunopharmacol** 1986;8(7):755–62

Differential effects of marijuana components on proliferation of spleen, lymph node and thymus cells in vitro. Pross S, et al. **Int J Immunopharmacol** 1987;9(3):363–70

The effect of cyclophosphamide in vivo on the expression of lymphocyte markers, detected by monoclonal antibodies, in the rat. el-Sady E, et al. **Int J Immunopharmacol** 1986; 8(8):961–6

Mechanisms by which barbiturates suppress lymphocyte responses to phytohaemagglutinin stimulation. Spiers EM, et al. **Int J Immunopharmacol** 1987;9(4):505–12

Influence of ethylene-2,2'-bis (dithio)bis(ethanol) on certain human in vitro and in vivo lymphocyte functions. Wieser G, et al. **Int J Immunopharmacol** 1986;8(8):831–40

Oxidant injury of cells. Schraufstatter IU, et al. **Int J Tissue React** 1987;9(4):317–24

Contrast media-induced chromosomal damage in human lymphocyte cultures. Parvez Z, et al. **Invest Radiol** 1986 Nov;21(11):864–9

Comparative effects of quinolones on human mononuclear leucocyte functions. Roche Y, et al. **J Antimicrob Chemother** 1987 Jun;19(6):781–90

Modification of the effects of cytotoxic chemotherapy on the immune responses of cancer patients with a nonsteroidal, antiinflammatory drug, piroxicam. A pilot study of the Eastern Cooperative Oncology Group. Braun DP, et al. **J Biol Response Mod** 1987 Jun;6(3):331–45

Role of nicotinamide adenine dinucleotide and adenosine triphosphate in glucocorticoid-induced cytotoxicity in susceptible lymphoid cells. Berger NA, et al. **J Clin Invest** 1987 Jun;79(6):1558–63

Effect of tamoxifen on cell-mediated auto-tumor lysis. Baral E, et al. **J Clin Lab Immunol** 1987 Feb;22(2):97–100

Interleukin 1 (IL 1) as a mediator of crystal arthritis. Stimulation of T cell and synovial fibroblast mitogenesis by urate crystal-induced IL 1. Di Giovine FS, et al. **J Immunol** 1987 May 15;138(10):3213–8

More exact quantification of interleukin-2 production by addition of anti-Tac monoclonal antibody to cultures of stimulated lymphocytes. Baroja ML, et al. **J Immunol Methods** 1987 Apr 16;98(2):267–70

Morphological and functional changes in mouse splenic lymphocytes following in vivo and in vitro exposure to chlorphentermine. Sauers LJ, et al. **J Immunopharmacol** 1986;8(4):611–31

Effects of interferons-alpha, -beta, and -gamma on human interleukin-2 production. Rosztóczy I, et al. **J Interferon Res** 1986 Oct;6(5):581-9

Alteration of lymphocyte functions by 8-methoxypsoralen and long-wave ultraviolet radiation. II. The effect of in vivo PUVA on IL-2 production. Okamoto H, et al. **J Invest Dermatol** 1987 Jul;89(1):24-6

Similarities in cAMP responses between murine lymphoid cell lines and subsets of mouse lymphocytes. Box RJ, et al. **J Leukocyte Biol** 1987 Aug;42(2):144-9

Linear free energy relationships and cytotoxicities of para-substituted 2-haloethyl aryl selenides and bis(2-chloroethyl) selenides. Kang SI, et al. **J Med Chem** 1987 Apr;30(4):597-602

Toxicity of indium-111 on the radiolabeled lymphocyte. Balaban EP, et al. **J Nucl Med** 1987 Feb;28(2):229-33

Evaluation of anticancer drugs by lymphocyte electrophoresis. Hayashi H, et al. **J Pharmacobiodyn** 1986 Sep;9(9):729-36

Effects of pindolol and propranolol on beta adrenergic receptors on human lymphocytes. Hedberg A, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):117-23

Lymphocyte traffic effects of systemic and local lidocaine in sheep. Moore TC, et al. **J Surg Res** 1986 Sep; 41(3):279-85

Cytogenetic effects of multiagent chemotherapy on the peripheral lymphocytes of patients with small cell lung cancer. Tominaga K, et al. **Jpn J Cancer Res** 1986 Dec; 77(12):1241-8

Augmentation of the antibody response by lipoic acid in mice. I. Analysis of the mode of action in an in vitro cultures system. Ohmori Hnt, et al. **Jpn J Pharmacol** 1986 Sep; 42(1):135-40

Ketotifen increases cyclic adenosine 3',5'-monophosphate in intact human lymphocyte and potentiates other adenylate cyclase activating agents. Hui KK, et al. **Life Sci** 1987 Mar 30;40(13):1259-65

Biphasic effects of dibutyryl cyclic adenosine 3',5'-monophosphate on synergistic stimulation of DNA synthesis by diacylglycerol, and the ionophore A23187 in guinea pig lymphocytes. Otani S, et al. **Life Sci** 1987 Jun 22;40(25):2409-14

Age related change in the frequency of ara C-induced chromosome aberrations in human peripheral blood lymphocytes. Kishi K, et al. **Mech Ageing Dev** 1986-87 Jan;37(3):211-9

Direct effects of biguanides on glucose utilization in vitro. Purrello F, et al. **Metabolism** 1987 Aug;36(8):774-6

Formaldehyde mutagenesis and formation of DNA-protein crosslinks in human lymphoblasts in vitro. Craft TR, et al. **Mutat Res** 1987 Jan;176(1):147-55

Diaziquone-induced micronuclei in cytochalasin B-blocked mouse peripheral blood lymphocytes. Erexson GL, et al. **Mutat Res** 1987 May;178(1):117-22

Chromosomal aberrations in cultured human lymphocytes treated with aldicarb, a carbamate pesticide. González Cid M, et al. **Mutat Res** 1987 Jun;191(2):99-103

Effects of repair inhibition in the G1 phase of clastogen-treated human lymphocytes on the frequencies of chromosome-type and chromatid-type aberrations and sister-chromatid exchanges. Kishi K. **Mutat Res** 1987 Jan; 176(1):105-16

Induction of micronuclei by vinyl acetate in mouse bone marrow cells and cultured human lymphocytes. Mäki-Paakkanen J, et al. **Mutat Res** 1987 Jan;190(1):41-5

The restriction endonuclease Alu I induces chromosomal aberrations in human peripheral lymphocytes in vitro. Obe G, et al. **Mutat Res** 1986 Dec;163(3):271-5

Cytogenetic studies on rural populations exposed to pesticides. Páldy A, et al. **Mutat Res** 1987 Mar; 187(3):127-32

Sister-chromatid exchanges in peripheral lymphocytes of workers occupationally exposed to xylenes. Pap M, et al. **Mutat Res** 1987 Apr;187(4):223-5

Induction of mitotic micronuclei by X-ray contrast media in human peripheral lymphocytes. Parvez Z, et al. **Mutat Res** 1987 Jul;188(3):233-9

Cytogenetic evaluations in human lymphocytes exposed to methyl acetimidate, a lysine-specific protein crosslinking agent. Richardson VB, et al. **Mutat Res** 1987 Sep; 180(1):121-9

Proliferation-dependent reduction of sister-chromatid exchange frequency induced by mitomycin C in human lymphoblastoid cells and its suppression by inhibitors of DNA replication. Tohda H, et al. **Mutat Res** 1986 Nov; 163(2):167-74

Chromosome aberration and mitotic activity in human peripheral blood lymphocytes following in vitro action of platinum cytostatics cis-DDP and EM-Pt. Srb V, et al. **Neoplasma** 1986;33(4):465-9

Cytogenetic monitoring of a 24-hour effect of ethylmalonate platinum complex on human peripheral blood lymphocytes. Srb V, et al. **Neoplasma** 1986;33(5):615-20

Effect of guanidino-propionic acid on lymphocyte proliferation. Shainkin-Kestenbaum R, et al. **Nephron** 1986; 44(4):295-8

Chromosome aberrations induced by neocarzinostatin in cultured human lymphocytes. Tsuda S. **Nippon Ketsueki Gakkai Zasshi** 1987 Feb;50(1):65-78

Glucocorticoid levels and lymphocyte functions in kidney transplanted patients. Langhoff E, et al. **Pharmacol Toxicol** 1987 Apr;60(4):269-73

Stimulation of interleukin 2 and interferon gamma production by leukotriene B4 in human lymphocyte cultures. Rola-Pleszczynski M, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2-3):207-10

Prostaglandin sensitivity of the PHA-response of blood lymphocytes following radiation therapy for breast cancer. Blomgren H, et al. **Radiother Oncol** 1986 Oct;7(2):141-5

Effect of monocyclic derivatives on DNA repair in human lymphocytes. Daugherty JP, et al. **Res Commun Chem Pathol Pharmacol** 1986 Oct;54(1):133-6

Wheat germ agglutinin is mitogenic, nonmitogenic and anti-mitogenic for human lymphocytes. Kilpatrick DC, et al. **Scand J Immunol** 1987 Apr;25(4):343-8

Chromosome aberrations and sister-chromatid exchanges induced by technical grade toluene diisocyanate and methylenediphenyl diisocyanate in cultured human lymphocytes. Mäki-Paakkanen J, et al. **Toxicol Lett** 1987 Mar;36(1):37-43

Influence of dehydroepiandrosterone on G-6-PD activity and 3H-thymidine uptake of human lymphocytes in vitro. Ennas MG, et al. **Toxicol Pathol** 1987;15(2):241-4

Effect of chloroquine on human lymphocyte proliferation. Bygbjerg IC, et al. **Trans R Soc Trop Med Hyg** 1986; 80(2):231-5

Effect of pyrimethamine and sulphadoxine on human lymphocyte proliferation. Bygbjerg IC, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):295-300

Blood transfusion induction of immunosuppressant-resistant lymphoid populations in dialysis patients. Bowes LG, et al. **Transplant Proc** 1987 Apr;19(2):2863-5

Pharmacodynamic assays of the immunosuppressive action of cyclosporine therapy in transplant recipients. Kahan BD, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1695-8

A longitudinal study of the pharmacokinetics of cyclosporine A and in vitro lymphocyte responses in renal transplant patients. Tufveson G, et al. **Transplant Proc** 1986 Dec;18(6 Suppl 5):16-24

The impact of high lymphocyte sensitivity to glucocorticoids on kidney graft survival in patients treated with azathioprine and cyclosporine. Langhoff E, et al. **Transplantation** 1987 Mar;43(3):380-4

Peripheral blood lymphocyte response to exogenous interleukin 2 by PHA-prestimulated and non-PHA-prestimulated cells in patients with cancer. Mantovani G, et al. **Tumori** 1986 Aug 31;72(4):375-82

Phylogenetic studies on lymphokines. Fish lymphocytes respond to human IL-1 and epithelial cells produce an IL-1 like factor. Sigel MM, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1-4):47-58

The use of differential staining of sister chromatid to estimate the in vitro effect of human alpha interferon on cell division in normal and tumour cells. Georgian L, et al. **Virologie** 1986 Oct-Dec;37(4):257-61

Interleukin-3 regulation of the growth and differentiation of hematopoietic lymphoid stem cells. Ihle JN. **Year Immunol** 1986;2:106-33 (88 ref.)

[Modulation of immune responses with glucocorticosteroids] Kosturkov G, et al. **Vutr Boles** 1987;26(3):5-11 (0 ref.) **(Bul)**

[Atypical lymphocytes in schizophrenic patients] Guo QY. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1986 Jun; 19(3):185-7 (Eng. Abstr.) **(Chi)**

[Peripheral blood lymphocyte SCE and cell kinetics in workers exposed to ethylene oxide] Yang DY. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Mar;20(2):90-1 (Eng. Abstr.) **(Chi)**

[Inhibitory effect of tripterine on the proliferation of lymphocytes in mice] Zhang LX, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jan;7(1):85-8 (Eng. Abstr.) **(Chi)**

[The effect of in vitro interleukin 2 on lymphocytes and monocytes in human peripheral blood. II. Induction of surface differentiation signs] Jíra M, et al. **Cas Lek Cesk** 1986 Dec 19;125(51):1578-80 (Eng. Abstr.) **(Cze)**

[The effect of in vitro interleukin 2 on lymphocytes and monocytes in human peripheral blood. I. Induction of proliferation and cytotoxicity] Jíra M, et al. **Cas Lek Cesk** 1986 Dec 19;125(51):1573-7 (Eng. Abstr.) **(Cze)**

[Differentiation of human malignant myeloid and lymphoid cells] Degos L. **Nouv Rev Fr Hematol** 1987;29(1):37-41 (Eng. Abstr.) **(Fre)**

[Effect of iodinated x-ray contrast media on human lymphocytes] Amosov IS, et al. **Radiol Diagn (Berl)** 1986; 27(6):805-10 (Eng. Abstr.) **(Ger)**

[Interleukin-2: molecular, physiological and pathophysiological bases and possible significance for clinical practice] Borradori L, et al. **Schweiz Med Wochenschr** 1987 Jun 20;117(25):945-51 (81 ref.) (Eng. Abstr.) **(Ger)**

[Dose-related effect of dexamethasone on the poly-(ADP ribose) synthesis of human lymphocytes] Sagaster P, et al. **Wien Med Wochenschr** 1987 May 15;137(9):193-6 (Eng. Abstr.) **(Ger)**

[The induction of sister chromatid exchange by diethylstilbestrol and mitomycin C in lymphocytes of mothers and their newborn infants] Chen X, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1987 Apr; 184(1):78-86 (Eng. Abstr.) **(Ger)**

[In vitro effects of potassium superoxide: possible implications for technicians at photography laboratories] Farulla A, et al. **Med Lav** 1987 Mar-Apr;78(2):151-4 (Eng. Abstr.) **(Ita)**

[Effect of stimulation of dopamine and histamine receptors on spontaneous lymphocyte adhesion in vitro] Kharkevich DD. **Biull Eksp Biol Med** 1987 Jun;103(6):703-5 (Eng. Abstr.) **(Rus)**

[Effect of cholinergic stimulation on spontaneous lymphocyte adhesion in vitro] Kharkevich DD. **Biull Eksp Biol Med** 1987 Jul;104(7):69-71 (Eng. Abstr.) **(Rus)**

[Quantitative comparison of the cytogenetic effect of thiophosphamide during in vivo and in vitro action on monkey lymphocytes] Kuzin SM, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):349-51 (Eng. Abstr.) **(Rus)**

[Effect of B-activin on the rosette-forming capacity of mouse lymphocytes at the peak of a secondary immune response to ram erythrocytes] Skoptsova SV, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):701-3 (Eng. Abstr.) **(Rus)**

[Effect of beta-endorphin and myelopeptides on the cAMP level and proliferation of lymphocytes in vitro] Zozulia AA, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):731-3 (Eng. Abstr.) **(Rus)**

[Cell surface receptors in lymphoid lines studied using lectins] Khomutovskiĭ OA, et al. **Eksp Onkol** 1986;8(5):25-8 (Eng. Abstr.) **(Rus)**

[Effect of vinblastine on the proliferative and immune responses of the lymphoid cells of the draining lymph node and spleen in mice undergoing regional immunization with ram erythrocytes] Koroleva NA, et al. **Farmakol Toksikol** 1987 Mar-Apr;50(2):47-51 (Eng. Abstr.) **(Rus)**

[Effect of antibiotics on hematologic indices and enzyme activity of blood lymphocytes in mice] Artsimovich NG, et al. **Gematol Transfuziol** 1987 Apr;32(4):58-62 (Eng. Abstr.) **(Rus)**

[A method of determining the glucocorticoid-resistant fraction of the lymphocytes in the peripheral blood and lymphoid organs] Pytskiĭ VI, et al. **Patol Fiziol Eksp Ter** 1986 Sep-Oct;(5):82-5 **(Rus)**

[Cytogenetic effect of natural mutagenesis modifiers in a human lymphocyte culture. The action of caffeine during the induction of chromosome aberrations by gibberellic acid] Arutiunian RM, et al. **Tsitol Genet** 1987 Mar-Apr; 21(2):101-5 (Eng. Abstr.) **(Rus)**

[Ultrastructure of the lymphocytes in lymphoid organs following cryopreservation with PEO-400 protection] Govorukha TP, et al. **Tsitol Genet** 1987 Jan-Feb;21(1):6-9 (Eng. Abstr.) **(Rus)**

[Methods of determining blast cell sensitivity to chemical preparations in treating leukemias (a review of the literature)] Evtukh VP. **Vrach Delo** 1986 Aug;(8):42-6 (76 ref.) **(Rus)**

ENZYMOLOGY

Alterations in ornithine decarboxylase and transglutaminase activities in lymphocytes from untreated patients with chronic lymphocytic leukemia. Vanella A, et al. **Acta Haematol (Basel)** 1986;76(1):33-6

Terminal transferase in normal and leukemic cells. Bollum FJ, et al. **Adv Cancer Res** 1986;47:37-61 (85 ref.)

AMP-deaminase and cytosolic 5'nucleotidase in human and murine lymphocyte subpopulations. Dornand J, et al. **Adv Exp Med Biol** 1986;195 Pt B:391-8

Ectoenzymes of nucleotide metabolism on human lymphoid cells. Gutensohn W, et al. **Adv Exp Med Biol** 1986;195 Pt B:459-62

Purine enzyme activities as markers of lymphocytic differentiation: studies of lymphocytes from horses with severe combined immunodeficiency (SCID). Magnuson N, et al. **Adv Exp Med Biol** 1986;195 Pt B:421-7

Murine lymphocytes and lymphocyte cell lines secrete adenosine deaminase. Strauss PR. **Adv Exp Med Biol** 1986; 195 Pt B:275-82

Reverse transcriptase activity (RTA) in lymphocyte cultures of AIDS patients treated with HPA-23. Buimovici-Klein E, et al. **AIDS Res** 1986 Fall;2(4):279-83

Diminished lymphocyte and granulocyte gamma-glutamyltranspeptidase activity in acute lymphocytic leukemia and response to chemotherapy. Russo SA, et al. **Am J Hematol** 1987 Sep;26(1):67-75

Inhibition of lymphocytic neuropathy target esterase predicts the development of organophosphate-induced delayed polyneuropathy. Lotti M, et al. **Arch Toxicol** 1986 Oct; 59(3):176-9

Increase of dihydrofolate reductase in peripheral blood lymphocytes of rheumatoid arthritis patients treated with low-dose oral methotrexate. Rodenhuis S, et al. **Arthritis Rheum** 1987 Apr;30(4):369-74

Effect of ethanol on human lymphocyte adenylate cyclase system. Saito T, et al. **Arukoru Kenkyuto Yakubutsu Ison** 1986 Jun;21(2):135-45

Regulation of the number of Na+,K+-pump sites after mitogenic activation of lymphocytes. Severini A, et al. **Biochem Cell Biol** 1987 Feb;65(2):95-104

Lymphocyte gamma-glutamyltranspeptidase activity in ataxia-telangiectasia. Cokuğraş AN, et al. **Biochem Med Metab Biol** 1986 Dec;36(3):377-81

Monoamine oxidase activities in lymphocytes and granulocytes taken from pig blood. Balsa D, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2723-8

Acyl-chain specificity and properties of cholesterol esterases from normal and Wolman lymphoid cell lines. Nègre A, et al. **Biochim Biophys Acta** 1987 Mar 13;918(1):76–82

Lymphocyte urosynthase in non-Hodgkin's lymphoma. An indicator of disease extensiveness. Inbal A, et al. **Cancer** 1987 Jan 1;59(1):89–93

Response of mammalian ADP-ribosyl transferase to lymphocyte stimulation, mutagen treatment and cell cycling. Scovassi AI, et al. **Carcinogenesis** 1987 Sep; 8(9):1295–300

Multiple transfer of lysosomal enzymes from normal lymphocytes to I-cell disease fibroblasts. Olsen I, et al. **Cell Biol Int Rep** 1987 Feb;11(2):131–40

Lymphocyte transglutaminase function may be impaired in type 2 diabetes mellitus. Berntorp E, et al. **Diabetes Res** 1987 May;5(1):29–33

beta-Glucosidase isoenzymes in Epstein–Barr virus–transformed lymphoid cell lines from normal subjects and patients with type 1 Gaucher disease. Maret A, et al. **Enzyme** 1987;37(4):208–17

Immunologic and virologic findings in hemophiliacs do not correlate with ecto-5'nucleotidase activity of peripheral blood lymphocytes. A difference with homosexual men. Massaia M, et al. **Eur J Haematol** 1987 Apr;38(4):310–4

Lysosomal enzymes in peripheral blood lymphocytes of patients with gastric cancer. Moszczyński P, et al. **Folia Haematol (Leipz)** 1986;113(4):460–5

Cytochemical examination of peripheral blood lymphocytes in bursectomized chickens. Graczyk S. **Folia Histochem Cytobiol** 1987;25(1):45–59

Induction of early myeloperoxidase in acute unclassified leukemia. Heil G, et al. **Hamatol Bluttransfus** 1987;30:261–4

Effect of age on basal and 3,5,3'triiodothyronine (T3) stimulated human mononuclear cell sodium–potassium adenosine-triphosphatase (Na+–K+ATP'ase) activity. Gambert SR. **Horm Metab Res** 1986 Sep;18(9):649–50

Specific immunological modulation of lymphocyte adenylate cyclase in asthmatic patients after allergenic bronchial provocation. Meurs H, et al. **Int Arch Allergy Appl Immunol** 1986;81(3):224–9

beta-D-mannosidase in human polymorphonuclear leukocytes and lymphocytes: a comparative study. Colin B, et al. **Int J Biochem** 1987;19(4):395–7

Activity of deoxyribonucleoside-activated nucleotidase in cells from various lymphoid mouse tissues and in concanavalin A–stimulated lymphocytes. Haugen TB, et al. **Int J Biochem** 1986;18(11):965–70

Benzo(a)pyrene metabolism by lymphocytes from normal individuals and individuals carrying the Mediterranean variant of glucose-6-phosphate dehydrogenase. Feo F, et al. **Int J Cancer** 1987 May 15;39(5):560–4

Aryl hydrocarbon hydroxylase in lymphocytes and lung tissue from lung cancer patients and controls. Kärki NT, et al. **Int J Cancer** 1987 May 15;39(5):565–70

Cyclic AMP and cyclic GMP phosphodiesterase activities in Hodgkin's disease lymphocytes. Aleksijevic A, et al. **Int J Immunopharmacol** 1987;9(5):525–31

An enzyme(s) that converts glutaminyl-peptides into pyroglutamyl-peptides. Presence in pituitary, brain, adrenal medulla, and lymphocytes. Busby WH Jr, et al. **J Biol Chem** 1987 Jun 25;262(18):8532–6

Role of cell adhesion in contact-dependent transfer of a lysosomal enzyme from lymphocytes to fibroblasts. Olsen I, et al. **J Cell Sci** 1986 Sep;85:231–44

Altered kinetic properties of the branched-chain alpha-keto acid dehydrogenase complex due to mutation of the beta-subunit of the branched-chain alpha-keto acid decarboxylase (E1) component in lymphoblastoid cells derived from patients with maple syrup urine disease. Indo Y, et al. **J Clin Invest** 1987 Jul;80(1):63–70

Stimulation of S-adenosylmethionine synthetase in human lymphocytes by streptococcal M protein. Kotb M, et al. **J Immunol** 1987 Jul 1;139(1):202–6

Mouse lymphocyte enzymatic markers. A rapid method for achieving selective solubilization and efficient recovery of the membrane-bound 5'-nucleotidase. Senesi S, et al. **J Immunol Methods** 1987 Jun 26;100(1–2):197–209

Demonstration of 4-aminobutyric acid aminotransferase deficiency in lymphocytes and lymphoblasts. Gibson KM, et al. **J Inherited Metab Dis** 1985;8(4):204–8

2',5'-Oligoadenylate synthetase activity in peripheral blood lymphocytes as a clinical marker in interferon therapy for chronic hepatitis B. Furuta M, et al. **J Interferon Res** 1987 Feb;7(1):111–9

Methionine synthetase activity of human lymphocytes both replete in and depleted of vitamin B12. Hall CA, et al. **J Lab Clin Med** 1986 Oct;108(4):325–31

Proteolytic enzyme activities of macrophages and lymphocytes in neurological diseases. Goto I, et al. **J Neurol** 1986 Nov;233(6):373–5

Molecular cloning of a 2',3'-cyclic nucleotide 3'-phosphodiesterase: mRNAs with different 5' ends encode the same set of proteins in nervous and lymphoid tissues. Bernier L, et al. **J Neurosci** 1987 Sep;7(9):2703–10

Human lymphocyte thiopurine methyltransferase pharmacogenetics: effect of phenotype on 6-mercaptopurine–induced inhibition of mitogen stimulation. Van Loon JA, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):21–6

Lymphocyte thymidine kinase and treatment response in acute lymphocytic leukemia. Russo SA, et al. **Leuk Res** 1987;11(2):149–54

Determination of adenylate cyclase and guanylate cyclase activities in cells of the immune system. Mittal CK. **Methods Enzymol** 1986;132:422–8

Deoxycytidylate deaminase activity in non-stimulated and phytohemagglutinin-stimulated human lymphocytes, and in leukemic cells. Tyrsted G, et al. **Mol Cell Biochem** 1987 Jul;76(1):27–34

alpha-Naphthoflavone antagonism of 2,3,7,8-tetrachlorodibenzo-p-dioxin–induced murine lymphocyte ethoxyresorufin-O-deethylase activity and immunosuppression. Blank JA, et al. **Mol Pharmacol** 1987 Jul;32(1):169–72

Polymerase activity in lymphocyte culture supernatants from patients with Kawasaki disease. Burns JC, et al. **Nature** 1986 Oct 30–Nov 5;323(6091):814–6

Lymphocyte and granulocyte phosphatidylethanolamine N-methyltransferase: properties and activity in cystic fibrosis. Davis PB. **Pediatr Res** 1986 Dec;20(12):1290–6

Changes in glutathione, glutathione reductase and glutathione-S-transferase as a function of cell concentration and age. Al-Turk WA, et al. **Pharmacology** 1987;34(1):1–8

Localization of a lymphocyte-specific protein tyrosine kinase gene (lck) at a site of frequent chromosomal abnormalities in human lymphomas. Marth JD, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7400–4

Human aging: effect on the activation of lymphocyte cyclic AMP-dependent protein kinase by forskolin. Krall JF, et al. **Proc Soc Exp Biol Med** 1987 Apr;184(4):396–402

Acid alpha naphthyl acetate esterase reacting lymphocytes in the peripheral blood of chickens challenged with Marek's disease after vaccination with three different vaccines. Pruthi AK, et al. **Res Vet Sci** 1987 Jul;43(1):92–6

Lymphocyte 5'-nucleotidase activities in normal dogs and in dogs with malignant lymphoma. Sarmiento UM, et al. **Vet Immunol Immunopathol** 1986 Dec;13(4):281–8

Acid alpha naphthyl acetate esterase activity in peripheral blood lymphocytes and monocytes of chickens. Pruthi AK, et al. **Zentralbl Veterinarmed [A]** 1987 May;34(5):390–2

[Cytochemical study of acid naphthyl acetate esterase in the lymphocytes of healthy and bovine leukemia virus–infected cows] Goranov Kh, et al. **Vet Med Nauki** 1986;23(9):23–9 (Eng. Abstr.) **(Bul)**

[Determination of the neurotoxic esterase in neurologic pathology of toxic origin. Measurement in human lymphocytes in poisoning by organophosphates, ciguatera and ethyl alcohol] Fournier L, et al. **Ann Med Interne (Paris)** 1987;138(3):169–72 (Eng. Abstr.) **(Fre)**

[Histoenzymatic and ultrastructural studies of plasma membranes of lymphoid cells in mice with transplantable leukemia L1210] Madej JA, et al. **Arch Exp Veterinarmed** 1986 Nov;40(6):939–47 (Eng. Abstr.) **(Ger)**

[AHH activity and life environmental factors] Nagayama J. **Gan No Rinsho** 1987 Apr;33(5 Suppl):549–54 (Eng. Abstr.) **(Jpn)**

[Studies on adenosine deaminase activity and purine nucleoside phosphorylase activity of peripheral blood mononuclear cell in patients with cirrhosis of the liver] Yamamoto T, et al. **Nippon Naika Gakkai Zasshi** 1987 Apr; 76(4):497–500 **(Jpn)**

[Cytochemical and cytoenzymatic studies of the lymphocytes of patients with lymphocytic leukemia and infectious mononucleosis] Mariańska B, et al. **Acta Haematol Pol** 1986 Jan–Jun;17(1–2):39–43 (Eng. Abstr.) **(Pol)**

[Evaluation of acid esterase activity in neoplastic cells of the peripheral blood and bone marrow in various neoplastic diseases of the hematopoietic system] Mariańska B, et al. **Acta Haematol Pol** 1986 Jan–Jun;17(1–2):34–8 (Eng. Abstr.) **(Pol)**

[Effect of malathion on the nucleolytic enzyme activity of lymphocytes] Walter Z, et al. **Folia Med Cracov** 1987; 28(1–2):177–84 (Eng. Abstr.) **(Pol)**

[Enzymatic activity of superoxide dismutase in lymphocytes and erythrocytes in people of different ages] Lipecka K, et al. **Med Pr** 1986;37(5):305–8 (Eng. Abstr.) **(Pol)**

[Lysosomal enzyme activity in peripheral blood lymphocytes in patients with sarcoidosis of the respiratory system] Ruszel KB. **Pneumonol Pol** 1987 Mar;55(3):109–14 (Eng. Abstr.) **(Pol)**

[Lysosomal enzymes in lymphocytes in experimental lymphatic leukemia in mice] Madej JA. **Pol Arch Weter** 1986;25(4):19–29 (Eng. Abstr.) **(Pol)**

[Lysosomal enzymes of peripheral blood lymphocytes in patients with stomach cancer] Moszczyński P, et al. **Pol Tyg Lek** 1986 Nov 17;41(46):1451–4 (Eng. Abstr.) **(Pol)**

[Properties and specificity of action of DNA methylases from blood lymphocytes of healthy cattle and cattle with chronic lymphoid leukemia] Burtseva NN, et al. **Biokhimiia** 1987 Feb;52(2):290–302 (Eng. Abstr.) **(Rus)**

[Effect of chemotherapy on human tumor heterografts and lymphocytes in athymic mice] Bukharova IK, et al. **Biull Eksp Biol Med** 1987 May;103(5):610–3 (Eng. Abstr.) **(Rus)**

[Isolation of Ca/Mg-dependent endonuclease of cell nuclei as the basic component in the chromatin nuclease complex of human lymphocytes] Khodarev NN, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):312–4 (Eng. Abstr.) **(Rus)**

[Cytochemical methods of identification of different populations of lymphocytes (review of the literature)] Bazhora IuI, et al. **Lab Delo** 1987;(3):182–5 (41 ref.) **(Rus)**

[Activity of the cyclic adenosine monophosphate phosphodiesterase of the blood lymphocytes in patients with a Lamblia infection susceptible and resistant to lambliacides] Kochetkova MN, et al. **Med Parazitol (Mosk)** 1986 Sep–Oct;(5):46–9 (Eng. Abstr.) **(Rus)**

[Activity of succinate and alpha-glycerophosphate dehydrogenases in the peripheral blood lymphocytes of pulmonary tuberculosis patients] Mishin VIu. **Probl Tuberk** 1986;(8):52–6 (Eng. Abstr.) **(Rus)**

[Comparison of changes in succinate dehydrogenase activity in blood lymphocytes and modification of radiosensitivity by exogenous hypoxia] Gaĭdamakin AN, et al. **Radiobiologiia** 1987 Jul–Aug;27(4):524–8 (Eng. Abstr.) **(Rus)**

[Activity of cell enzymes during treatment of bronchial asthma patients with euphylline and hydrocortisone] Kotova SA, et al. **Ter Arkh** 1987;59(3):53–6 (Eng. Abstr.) **(Rus)**

[Acid phosphatase of leukocytes in patients with diffuse toxic goiter in evaluating the stage of the disease] Vaiuta NP, et al. **Ter Arkh** 1987;59(6):104–6 (Eng. Abstr.) **(Rus)**

[Enzymes of purine nucleotide metabolism as biochemical markers of the differentiation of normal and leukemic cells (review of the literature)] Filanovskaia LI, et al. **Vopr Med Khim** 1986 Nov–Dec;32(6):10–7 (60 ref.) **(Rus)**

[Comparative characteristics of lymphocyte proteolytic enzymes in normal conditions and in chronic lymphoid leukemia] Gevorkian NM, et al. **Vopr Med Khim** 1986 Sep–Oct;32(5):72–6 (Eng. Abstr.) **(Rus)**

[Characteristics of lipid composition, lipid peroxidation intensity and ATPase activity of lymphocytes in children with acute respiratory viral infections] Ivanova VV, et al. **Vopr Med Khim** 1986 Nov–Dec;32(6):111–5 (Eng. Abstr.) **(Rus)**

[Trypsin-type serine proteases in the blood serum and lymphocytes of patients with diabetic angiopathies] Efimov AS, et al. **Vrach Delo** 1986 Sep;(9):78–81 (Eng. Abstr.) **(Rus)**

[Adenosine deaminase activity in the lymphocytes of patients with gouty arthritis] Mikuliková D, et al. **Cas Lek Cesk** 1986 Nov 14;125(46):1405–8 (Eng. Abstr.) **(Slo)**

GROWTH & DEVELOPMENT

Effect of polybrominated biphenyls on the growth and maturation of human peripheral blood lymphocytes. Lipson SM. **Clin Immunol Immunopathol** 1987 Apr;43(1):65–72

IMMUNOLOGY

Value of lymphocyte marker studies in diagnostic cytopathology. Robey SS, et al. **Acta Cytol** 1987 Jul–Aug; 31(4):453–9

Peripheral blood lymphocyte subpopulations in patients with viral warts [letter] Jabłońska S. **Acta Derm Venereol (Stockh)** 1986;66(6):539

The thyroid microenvironment in autoimmune thyroid disease: effects of TSH and lymphokines on thyroid lymphocytes and thyroid cells. McLachlan SM, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:125–32

Immunogold cell staining using monoclonal antibodies: application to lymphoid cells on coated slides. Küster U, et al. **Acta Histochem (Jena)** 1987;81(2):191–8

Effects on immune reactions of non-steroidal anti-inflammatory drugs and of two new pyrido-pyrimidine derivatives (CHINOIN 127 and CHINOIN 105). Kalmár L, et al. **Acta Med Hung** 1986; 43(3):255–63

Dog erythrocyte rosette-forming lymphocyte: blockage by OKT11 monoclonal antibody. Nishiya K, et al. **Acta Med Okayama** 1987 Feb;41(1):37–41

Effect of elevated temperature on human immunoglobulin synthesis, lymphokine production and lymphocyte proliferation in vitro. Närvänen O, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1986 Dec; 94(6):239–44

Insulin secretion induced by allogeneic lymphocytes in genetically diabetic mice C57BL/KsJ mdb. García JB, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(3):277–87

BLV receptor activity in plasma membranes from tumorous lymph nodes of BLV-infected cows. Ristau E, et al. **Acta Virol (Praha)** 1986 Nov;30(6):449–56

Mechanisms of lymphocyte activation and immune regulation. Proceedings of an International Conference on Lymphocyte Activation and Immune Regulation. February 28–March 2, 1986, New Post Beach, California. **Adv Exp Med Biol** 1987;213:1–337

The multiple biological properties of interleukin-1 influencing immunocompetent cells. Dinarello CA. **Adv Exp Med Biol** 1987;213:103–14

Mechanism of action of cyclosporine: a unifying hypothesis. Hess AD, et al. **Adv Exp Med Biol** 1987;213:309–30

The role of reactive intermediates in sulfhydryl-dependent immunotoxicity: interference with microtubule assembly and microtubule-dependent cell function. Irons RD. **Adv Exp Med Biol** 1986;197:645–55

Immunological assessment in sporadic amyotrophic lateral sclerosis (ALS). Provinciali L, et al. **Adv Exp Med Biol**

1987;209:149–53
Abnormal populations of activated lymphocytes in the rheumatoid one-way MLR. Salmon M, et al. **Agents Actions** 1986 Dec;19(5–6):269–70
Histamine receptor-bearing lymphocytes (HRL). VIII. Splenopentin-accelerated reconstitution of the immunoresponsiveness after elimination of HRL. Eckert R, et al. **Allerg Immunol (Leipz)** 1986;32(4):267–70
A rapid, no-wash technic for immunophenotypic analysis by flow cytometry. Caldwell CW, et al. **Am J Clin Pathol** 1986 Nov;86(5):600–7
A method for the detection of multiple surface antigens on small heterogeneous cell populations. Homans AC, et al. **Am J Clin Pathol** 1986 Oct;86(4):469–74
T6 monoclonal antibody reacts with blasts from cases of common antigen acute lymphocytic leukemia. Hutchinson RE, et al. **Am J Clin Pathol** 1987 Jul;88(1):83–6
Reactivity of neoplastic cells of hairy cell leukemia with antisera to S-100 protein. Naeim F, et al. **Am J Clin Pathol** 1987 Jul;88(1):86–91
Lymphocytotoxicity crossmatch proficiency testing among regional transplant centers. Sanfilippo FP, et al. **Am J Clin Pathol** 1987 Feb;87(2):258–62
Lymphocyte responses in systemic lupus erythematosus in pregnancy. Beck I, et al. **Am J Med** 1987 Jan;82(1):179–80
Human genital papilloma infections: an evaluation of immunologic competence in the genital neoplasia-papilloma syndrome. Carson LF, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):784–9
Phenotyping of proliferating lymphocytes in angioimmunoblastic lymphadenopathy and related lesions by the double immunoenzymatic staining technique. Namikawa R, et al. **Am J Pathol** 1987 May;127(2):279–87
Immunologic studies of lymph node lymphocytes in the generalized lymphadenopathy syndrome. Kohn DB, et al. **Am J Pediatr Hematol Oncol** 1987 Spring;9(1):1–7
Adoptive transfer of suppression of autoimmune response to rat male accessory glands with spleen mononuclear cells from antigen-pretreated rats. Ferro ME, et al. **Am J Reprod Immunol Microbiol** 1986 Aug;11(4):112–7
Antigenic analysis of human trophoblast membrane: detection of a lymphocyte cross-reactive antigen. Kim IC, et al. **Am J Reprod Immunol Microbiol** 1987 Feb;13(2):44–50
Suppression of lymphocyte activation by a high-molecular-weight glycoprotein released from preimplantation ovine and porcine conceptuses. Murray MK, et al. **Am J Reprod Immunol Microbiol** 1987 Jun; 14(2):38–44
Response to isoantigens and mitogens in the cat: effects of cyclosporin A. Gregory CR, et al. **Am J Vet Res** 1987 Jan;48(1):126–30
Cross-reactivity between human and feline Ia antigens, using a monoclonal antibody HLA-D.m1. Kuramochi T, et al. **Am J Vet Res** 1987 Feb;48(2):186–8
Joint report of the Fourth International Workshop on Lymphocyte Alloantigens of the Horse, Lexington, Kentucky, 12–22 October 1985. **Anim Genet** 1987; 18(1):81–93
Joint report of the Third International Workshop on Lymphocyte Alloantigens of the Horse, Kennett Square, Pennsylvania, 25–27 April 1984. Antczak DF, et al. **Anim Genet** 1986;17(4):363–73
Effect of swine lymphocyte antigen haplotypes on birth and weaning weights in pigs. Rothschild MF, et al. **Anim Genet** 1986;17(3):267–72
Lymphomas: membrane markers and cell flow cytometric diagnosis. Glassman AB, et al. **Ann Clin Lab Sci** 1987 Jan–Feb;17(1):1–7
Suppression of immune response in rats by stress and drugs interfering with metabolism of serotonin. Boranić M, et al. **Ann NY Acad Sci** 1987;496:485–91
The impact of mild emotional stress induced by the passive avoidance procedure on immune reactivity. Croiset G, et al. **Ann NY Acad Sci** 1987;496:477–84
Immunologic and clinical evaluation of multiple sclerosis patients treated with corticosteroids and/or calf thymic hormones. Dabrowski MP, et al. **Ann NY Acad Sci** 1987; 496:697–706
Immunomodulatory action of somatostatin. Pawlikowski M, et al. **Ann NY Acad Sci** 1987;496:233–9
Neuropeptide modulation of leukocyte function. Payan DG, et al. **Ann NY Acad Sci** 1987;496:182–91
The modulation of immunologic potential of splenocytes in induction of local GVHR by somatostatin. Polić L, et al. **Ann NY Acad Sci** 1987;496:303–6
Consequences of bilateral brain neocortical ablation on imuthiol-induced immunostimulation in mice. Renoux G, et al. **Ann NY Acad Sci** 1987;496:346–53
In vitro studies of immunoregulation by substance P and somatostatin. Stanisz AM, et al. **Ann NY Acad Sci** 1987; 496:217–25
Effects of nerve growth factor on the expression of interleukin-2 receptors on cultured human lymphocytes. Thorpe LW, et al. **Ann NY Acad Sci** 1987;496:310–1
Interaction between lymphocytes and neurotransmitters. Werner H, et al. **Ann NY Acad Sci** 1987;496:312–5
Effect of blood transfusions on macrophage-lymphocyte interaction in an animal model. Waymack JP, et al. **Ann Surg** 1986 Dec;204(6):681–5
Viruses perturb lymphocyte functions: selected principles characterizing virus-induced immunosuppression. McChesney MB, et al. **Annu Rev Immunol** 1987;5:279–304 (57 ref.)
Lymphocyte hormone receptors. Plaut M. **Annu Rev Immunol** 1987;5:621–69 (269 ref.)
Evaluation of cell-mediated and humoral immunity in children suffering from spinal muscular atrophy. Migaj M, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(5–6):561–7
Lymphocyte macrophage interactions in the response to surgical infections. Christou NV, et al. **Arch Surg** 1987 Feb; 122(2):239–51
Cytoskeletal binding of monoclonal anti-DNA antibodies derived from tonsillar lymphoid cells of a normal subject. Cairns E, et al. **Arthritis Rheum** 1986 Nov;29(11):1351–8
Failure of Klebsiella pneumoniae antibodies to cross-react with peripheral blood mononuclear cells from patients with ankylosing spondylitis. Cameron FH, et al. **Arthritis Rheum** 1987 Mar;30(3):300–5
An antiserum to a disease-associated factor from the cells of an HLA-B27 positive patient with ankylosing spondylitis specifically recognizes an HLA-B27 associated determinant. Sullivan JS, et al. **Arthritis Rheum** 1987 Apr; 30(4):439–42
DNA-daunorubicin complexes specifically suppress in vitro spontaneous anti-DNA antibody production in lymphocytes of patients with systemic lupus erythematosus. Takeuchi T, et al. **Arthritis Rheum** 1986 Oct;29(10):1216–22
The immunomodulating effect of theophylline on lymphocytes from chronic lymphocytic leukemia patients. Komlos L, et al. **Asian Pac J Allergy Immunol** 1986 Dec; 4(2):89–94
Differentiation antigen on murine B lymphocytes defined by monoclonal antibodies. Lal RB, et al. **Asian Pac J Allergy Immunol** 1986 Dec;4(2):121–7
Primary EBV infection of human umbilical cord lymphocytes and EBV genome-negative lymphoblastoid cell lines (BJAB and Ramos). Takimoto T, et al. **Auris Nasus Larynx** 1986;13(3):199–205
The role of gut-associated lymphoid tissues in the generation of immunoglobulin-bearing lymphocytes in sheep. Gerber HA, et al. **Aust J Exp Biol Med Sci** 1986 Jun;64 (Pt 3):201–13
Fat emulsion adversely affects lymphocyte reactivity. Francis DM, et al. **Aust NZ J Surg** 1987 May;57(5):323–9
Inhibition of human lymphocyte proliferation and interleukin 2 production by platelet activating factor (PAF-acether): reversal by a specific antagonist, BN 52021. Rola-Pleszczynski M, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):754–60
Treatment of a low immunogenic experimental tumour with alloactivated or tumour-immune lymphocytes. Parmiani G, et al. **Biochim Biophys Acta** 1987 Jul 8;907(2):163–74
Eicosanoids and aspirin in immune cell function. Bailey JM. **Bioessays** 1985 Aug;3(2):60–5
The lymphocyte at rest and at work. Chaly N, et al. **Bioessays** 1986 Jun;4(6):272–6
Lymphocyte homing receptors and the immune response in vivo. Weissman IL. **Bioessays** 1986 Sep;5(3):112–6
Flow cytometry for immunology. Cordier G. **Biol Cell** 1986; 58(2):147–50
Applications of flow cytometry to the structural and functional study of immune responsive cells. Merdrignac-Le Noan G, et al. **Biol Cell** 1986;58(2):151–6
Differences in interferon-gamma response of psoriatic lymphocytes to stimulation with various mitogens. Goan SR, et al. **Biomed Biochim Acta** 1986;45(7):903–6
Additional folding of nuclear DNA is an early event during stimulation of human lymphocytes. Hartwig M. **Biomed Biochim Acta** 1986;45(7):K15–8
A sensitive and class specific solid phase enzyme immunoassay for anti-DNA autoantibodies in supernatants of lymphocyte cultures and human hybridomas. Hiepe F, et al. **Biomed Biochim Acta** 1986;45(7):K29–35
Diversity in the lymphocyte recognition repertoire is altered during ageing. Gorczynski RM. **Biomed Pharmacother** 1987;41(3):124–6
Large granular lymphocytes from patients with expanded LGL populations acquire cytotoxic functions and release lymphokines upon in vitro activation. Pistoia V, et al. **Blood** 1986 Nov;68(5):1095–100
Lymphocyte markers and clinical expression of lymphoproliferative disorders with moderate lymphocytosis. Economidou J, et al. **Br J Cancer** 1986 Oct; 54(4):651–6
Sulphasalazine in rheumatoid arthritis: pointers to a gut-mediated immune effect [letter] Sheldon PJ, et al. **Br J Rheumatol** 1987 Aug;26(4):318–9
Immunorestorative effect of lipid emulsions during total parenteral nutrition [letter] Wilson RG, et al. **Br J Surg** 1987 Feb;74(2):153
A canine lymphocyte surface antigen detectable by a monoclonal antibody (DT200). Sarmiento UM, et al. **Can J Vet Res** 1987 Jan;51(1):110–6
Expression of the T200 family of glycoproteins in canine malignant lymphoma. Sarmiento UM, et al. **Can J Vet Res** 1987 Jan;51(1):89–94
Lymphocyte surface marker studies in the diagnosis of unexplained lymphocytosis. Quantz MC, et al. **Can Med Assoc J** 1987 Apr 15;136(8):835–8
Antigenic phenotype of the lymphocytic component of medullary carcinoma of the breast. Ben-Ezra J, et al. **Cancer** 1987 Jun 15;59(12):2037–41
Mononuclear cell subsets in patients with oral cancer. Eskinazi DP, et al. **Cancer** 1987 Aug 1;60(3):376–81
A prospective study of squamous head and neck carcinoma. Immunologic aberrations in patients who develop recurrent disease. Huang AT, et al. **Cancer** 1987 May 15; 59(10):1721–6
Augmentation of the generation of cell-mediated cytotoxicity in culture by mitomycin C. Akiyoshi T, et al. **Cancer Immunol Immunother** 1987;24(3):259–62
Enhancement of cytotoxic and proliferative responses of lymphocytes from melanoma patients by incubation with monoclonal antibodies against ganglioside GD3. Hersey P, et al. **Cancer Immunol Immunother** 1987;24(2):144–50
Tumor-derived interleukin-2-dependent lymphocytes in adoptive immunotherapy of lung cancer. Kradin RL, et al. **Cancer Immunol Immunother** 1987;24(1):76–85
Lysis of autologous tumor cells by blood lymphocytes activated in autologous mixed lymphocyte tumor cell culture—no correlation with the postsurgical clinical course. Vánky F, et al. **Cancer Immunol Immunother** 1987; 24(2):180–3
Enhanced lymphocyte response to PHA among leukemia patients taking oral lithium carbonate. Ridgway D, et al. **Cancer Invest** 1986;4(6):513–7
Distribution of a hematopoietic-specific differentiation antigen of K562 cells in the human myeloid and lymphoid cell lineages. Clarke BJ, et al. **Cancer Res** 1987 Aug 15; 47(16):4254–9
Lysis by activated lymphocytes of melanoma and small cell lung cancer cells surviving in vitro treatment with mafosfamide. Gambacorti-Passerini C, et al. **Cancer Res** 1987 May 15;47(10):2547–52
Immortalization of human lymphocytes from a tumor-involved lymph node. Glassy MC. **Cancer Res** 1987 Oct 1;47(19):5181–8
Monoclonal antibody to chicken fetal antigen on Marek's disease lymphoblastoid cell line MDCC-MSB1. Ohashi K, et al. **Cancer Res** 1986 Nov;46(11):5858–63
Functional analysis of mononuclear cells infiltrating into tumors: lysis of autologous human tumor cells by cultured infiltrating lymphocytes. Rabinowich H, et al. **Cancer Res** 1987 Jan 1;47(1):173–7
Inhibition of angiogenesis by interferons: effects on tumor- and lymphocyte-induced vascular responses. Sidky YA, et al. **Cancer Res** 1987 Oct 1;47(19):5155–61
Somatic mutation: diversity and regulation of the immune repertoire. Golub ES. **Cell** 1987 Mar 13;48(5):723–4
Inhibition of human lymphocyte transformation by a low molecular weight seminal factor. Lugaro G, et al. **Cell Biol Int Rep** 1987 Jun;11(6):497
Organizational fate of vimentin during redistribution of surface immunoglobulin in mouse splenic lymphocytes. Paulin-Levasseur M, et al. **Cell Biol Int Rep** 1987 Aug; 11(8):583–90
Cytotoxic studies in human newborns: lessened allogeneic cell-induced (augmented) cytotoxicity but strong lymphokine-activated cytotoxicity of cord mononuclear cells. Chin TW, et al. **Cell Immunol** 1986 Dec;103(2):241–51
Modification of the murine immune system by glucocorticosteroids: alterations of the tissue localization properties of circulating lymphocytes. Chung HT, et al. **Cell Immunol** 1986 Sep;101(2):571–85
Limiting dilution analysis of the frequency of antigen-reactive lymphocytes isolated from the central nervous system of Lewis rats with experimental allergic encephalomyelitis. Cohen JA, et al. **Cell Immunol** 1987 Aug;108(1):203–13
Effects of tobacco glycoprotein (TGP) on the immune system. III. The effect of aging on the mitogenic response of human peripheral blood lymphocytes to TGP. Francus T, et al. **Cell Immunol** 1987 Mar;105(1):1–8
Epstein-Barr virus-transformed lymphoblastoid cell lines as antigen-presenting cells and "augmenting" cells for human CMV-specific Th clones. Liu YN, et al. **Cell Immunol** 1987 Aug;108(1):64–75
The role of lymphoid cells in antibody-induced suppression of the fourth component of guinea pig complement. McMannis JD, et al. **Cell Immunol** 1987 Apr 15; 106(1):22–32
Adoptive transfer of murine autoimmune orchitis to naive recipients with immune lymphocytes. Mahi-Brown CA, et al. **Cell Immunol** 1987 May;106(2):408–19
Direct induction of lymphocyte killing by calcium ionophore and phorbol ester treatment. Mikael J, et al. **Cell Immunol** 1987 Mar;105(1):23–32
A low level of macrophages enhances anti-TNP plaque-forming cell generation by human lymphocytes against TNP-Brucella abortus, a T-independent antigen. Okubo M, et al. **Cell Immunol** 1986 Apr 1;98(2):552–9
Preliminary characterization of accessory cells in the nonadherent fraction of human blood mononuclear cells. Rich EA, et al. **Cell Immunol** 1986 Dec;103(2):339–51
Surface receptors and immune activity of purified human circulating mononuclear cells. III. The mechanisms of lysis, by lymphocytes and monocytes, of target cells in the lymphocyte-dependent and monocyte-dependent ADCC, NK, NOCC, and MICC cytotoxic reactions. Richter M, et al. **Cell Immunol** 1987 Sep;108(2):297–312
Suppression of GvHR by in vitro allogeneically stimulated lymphocytes: the role of lymphoblasts in the regulation of a primary T-cell response. Siegl E, et al. **Cell Immunol** 1987 Feb;104(2):218–22
Proliferation of human peripheral blood lymphocytes induced by recombinant human interleukin 2: contribution

of large granular lymphocytes and T lymphocytes. Talmadge JE, et al. **Cell Immunol** 1986 Oct 15; 102(2):261–72

Production of and responsiveness to interleukin 2 in autoimmune BXSB mice. Umland SP, et al. **Cell Immunol** 1987 Jun;107(1):158–71

An intrinsic suppressor cell–controlling formation of autologous rosettes in peripheral mouse lymphocytes. Wieczorek Z, et al. **Cell Immunol** 1986 May;99(2):500–6

The role of cellular proliferation in the induction of experimental autoimmune thyroiditis (EAT) in mice. Williams WV, et al. **Cell Immunol** 1986 Nov;103(1):96–104

Scanning electron microscopic detection of colloidal gold labelled surface immunoglobulin on mouse splenic lymphocytes following treatment with the amphiphilic agent CTAB. Pastero GI, et al. **Cell Mol Biol** 1987; 33(1):13–20

Abnormal in vitro immunoglobulin synthesis of lymphocytes and increased circulating immune complex in patients with ankylosing spondylitis. Liu HC, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1986 Feb;19(1):1–6

A simple and sensitive fluorometric immunoassay for the measurement of immunoglobulins in culture medium of mitogen-stimulated lymphocytes. Falcioni F, et al. **Clin Biochem** 1986 Oct;19(5):289–93

HLA-B27 typing by use of flow cytofluorometry. Albrecht J, et al. **Clin Chem** 1987 Sep;33(9):1619–23

Interference by goat-derived anti-lymphocyte globulin in a double-antibody radioimmunoassay of digoxin. Coon MJ, et al. **Clin Chem** 1987 Apr;33(4):619–21

Systemic membrane defect and the inhibition of lymphocyte capping in Duchenne muscular dystrophy. Goldsmith BM, et al. **Clin Chim Acta** 1987 Apr 15;164(1):33–46

Class II MHC antigen expression by human keratinocytes results from lympho-epidermal interactions and gamma-interferon production. Czernielewski JM, et al. **Clin Exp Immunol** 1986 Nov;66(2):295–302

Examination of the low proliferative capacity of human jejunal intraepithelial lymphocytes. Ebert EC, et al. **Clin Exp Immunol** 1986 Jul;65(1):148–57

Studies on human blood lymphocytes with iC3b (type 3) complement receptors: III. Abnormalities in patients with active systemic lupus erythematosus. Gray JD, et al. **Clin Exp Immunol** 1987 Mar;67(3):556–64

Inhibition of lymphocyte motility by interleukin 2. Hoon DS, et al. **Clin Exp Immunol** 1986 Dec;66(3):566–73

The distribution of gluten-sensitive lymphocytes in coeliac patients—is it related to dietary gluten? Howdle PD, et al. **Clin Exp Immunol** 1986 Nov;66(2):393–8

In vitro synthesis of IgM rheumatoid factor by lymphocytes from patients with essential mixed cryoglobulinemia. Meroni PL, et al. **Clin Exp Immunol** 1986 Aug;65(2):303–10

Suppression by relevant allergen of the spontaneous in vitro production of rye group I specific IgE antibodies by human peripheral blood lymphocytes. Mourad W, et al. **Clin Exp Immunol** 1987 Feb;67(2):391–7

Production in vitro of thyroglobulin autoantibody by obese strain (OS) chickens. Tempelis CH, et al. **Clin Exp Immunol** 1987 Mar;67(3):477–83

Seminal plasma suppression of human lymphocyte responses in vitro requires the presence of bovine serum factors. Vallely PJ, et al. **Clin Exp Immunol** 1986 Oct;66(1):181–7

Effects of a human urinary mitogen on subpopulations of peripheral blood mononuclear leukocytes. Wangel AG, et al. **Clin Exp Immunol** 1986 Oct;66(1):248–53

Collagen-induced arthritis: antibody production by lymphocytes in vitro. Phinn SD, et al. **Clin Exp Rheumatol** 1987 Apr–Jun;5(2):127–34

Distribution pattern of peripheral lymphocyte subsets in localized and generalized form of onchocerciasis. Brattig NW, et al. **Clin Immunol Immunopathol** 1987 Aug; 44(2):149–59

On the immune reaction to autologous human lymphoblasts: evidence for the stimulation by activating factors rather than induction by autoantigens. Duke-Cohan JS, et al. **Clin Immunol Immunopathol** 1987 May;43(2):229–42

Prevalence and significance of hepatitis B virus antigens: expression in peripheral blood mononuclear cells in chronic active hepatitis. Parvaz P, et al. **Clin Immunol Immunopathol** 1987 Apr;43(1):1–8

Simultaneous expression of multiple immune complex receptors on murine thymocytes and spleen cells. Walia AS, et al. **Clin Immunol Immunopathol** 1986 Dec; 41(3):368–78

Modulation of immune function in cancer patients. Harris JE, et al. **Clin Physiol Biochem** 1987;5(3–4):222–6

Immunomodulatory effect of serum on lymphocytes—consequences for the study of immunostimulants in vitro and in vivo. Barta O. **Comp Immunol Microbiol Infect Dis** 1986;9(2–3):193–203 (48 ref.)

Exploration of the cellular mediated immunity by the blastogenesis test during chronic brucellosis in human. Person JM, et al. **Comp Immunol Microbiol Infect Dis** 1987; 10(1):1–8

Complement activation by human lymphocytes from different lymphoid organs: role of sialic acid and lack of relationship to electrical surface charge. Gutierrez C, et al. **Complement** 1987;4(2):99–109

Natural cytotoxic (NC) cell activity in murine and human systems. Effector cells from multiple lineages with antitumor activity. Lattime EC. **Concepts Immunopathol** 1987;4:77–102 (107 ref.)

Role and function of antigen nonspecific suppressor factors. Aune TM. **CRC Crit Rev Immunol** 1987;7(2):93–130 (174 ref.)

Histamine modulation of lymphocyte biology: membrane receptors, signal transduction, and functions. Beer DJ, et al. **CRC Crit Rev Immunol** 1987;7(1):55–91 (141 ref.)

Effects of cryopreservation on the mononuclear cells of patients with lung cancer and normal controls. Venkataraman M, et al. **Cryobiology** 1987 Apr;24(2):103–11

Comparative phenotypic and ultrastructural characteristics of OKT6-positive cells in normal peripheral blood (adult and infant), in cord blood and in epidermis. Dezutter-Dambuyant C, et al. **Dev Comp Immunol** 1986 Fall;10(4):571–84

Cold reacting antilymphocyte antibodies in type I (insulin dependent) diabetes. Vialettes B, et al. **Diabete Metab** 1987 Feb;13(1):12–5

Functional properties of Salmonella minnesota Rb-bound and Rb-unbound cell fractions in elderly donors. Antonaci S, et al. **Diagn Clin Immunol** 1987;5(1):1–7

A comparative analysis of cord blood and adult lymphocytes: interleukin-2 and interferon production, natural killer cell activity, and lymphocyte populations. Kibler R, et al. **Diagn Immunol** 1986;4(4):201–8

Unique pattern of interleukin 2 receptor expression by lymphocytes in response to anti-Leu 4 monoclonal antibody: relationship to monocyte accessory cell function. Prince HE, et al. **Diagn Immunol** 1986;4(5):241–6

Natural killer cell activity and autologous mixed lymphocyte response of splenic, mesenteric lymph node, and colonic lymphocytes during DMH-induced colon carcinogenesis in the rat. Locniskar M, et al. **Dig Dis Sci** 1987 Jul; 32(7):747–52

Lymphocyte specific heterogeneity in the rat leucocyte common antigen (T200) is due to differences in polypeptide sequences near the NH2-terminus. Barclay AN, et al. **EMBO J** 1987 May;6(5):1259–64

Cloning and expression of the cDNA coding for a human lymphocyte IgE receptor. Lüdin C, et al. **EMBO J** 1987 Jan;6(1):109–14

HLA-DR antigen expression on intrathyroidal lymphocytes and thyrocytes in Hashimoto's thyroiditis and Graves' disease: an immunohistological study. Misaki T, et al. **Endocrinol Jpn** 1987 Apr;34(2):257–62

Activated lymphocytes in patients with newly diagnosed type 1 (insulin-dependent) diabetes mellitus. Sugihara S, et al. **Endocrinol Jpn** 1986 Jun;33(3):385–93

Comparative lung immunotoxicity of inhaled quartz and coal combustion fly ash. Bice DE, et al. **Environ Res** 1987 Aug; 43(2):374–89

A chicken leukocyte common antigen: biochemical characterization and ontogenetic study. Houssaint E, et al. **Eur J Immunol** 1987 Feb;17(2):287–90

A surface molecule on guinea pig lymphocytes involved in adhesion and homing. Kraal G, et al. **Eur J Immunol** 1986 Dec;16(12):1515–9

Selective immunosuppression with anti-interleukin 2 receptor-targeted therapy: helper and suppressor cell activity in rat recipients of cardiac allografts. Kupiec-Weglinski JW, et al. **Eur J Immunol** 1987 Mar; 17(3):313–9

In vitro studies on human IgD. I. Sources and characteristics of "externalized" IgD in tonsil lymphocyte culturesLitwin SD, et al. **Eur J Immunol** 1987 Apr;17(4):483–9

Antigen presentation in the peripheral nervous system: Schwann cells present endogenous myelin autoantigens to lymphocytes. Wekerle H, et al. **Eur J Immunol** 1986 Dec; 16(12):1551–7

Pregnancy-induced morphologic changes in lymphocytes; an experimental study on materno-fetal tolerance in the rat. Knobloch V, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Dec;9(6):391–7

Murine lymphocyte and embryonal carcinoma cell surface antigens recognised by rabbit anti-murine embryonal carcinoma serum. Stern PL, et al. **Exp Cell Biol** 1986; 54(5–6):250–62

Calmodulin in lymphocyte mitogenic stimulation and in lymphoid cell line growth. Rainteau D, et al. **Exp Cell Res** 1987 Feb;168(2):546–54

Cell-mediated cytotoxicity by natural killer and killer cells, lipid peroxidation and glutathione. Younes M, et al. **Experientia** 1986 Dec 1;42(11–12):1257–9

T cell-activating protein on murine lymphocytes. Yeh ET, et al. **Fed Proc** 1986 Dec;45(13):2991–4 (14 ref.)

Expression of major histocompatibility complex antigens (H-B) on haemopoietic cells, lymphoid cells, and chick embryo fibroblasts from congenic lines of chickens. Gogusev J, et al. **Folia Biol (Praha)** 1987;33(2):104–13

Suppression of cell proliferation after incubation of allogeneically stimulated mouse lymphocytes with concanavalin A: serological analysis of cell subpopulations involved. Hückel C, et al. **Folia Biol (Praha)** 1987; 33(3):191–9

Interaction of bilirubin with human lymphocytes and granulocytes—the effect on bilirubin metabolism. Knobloch E, et al. **Folia Microbiol (Praha)** 1986; 31(5):387–93

High-level expression of the Epstein-Barr virus EBNA1 protein in CV1 cells and human lymphoid cells using a SV40 late replacement vector. Hammarskjöld ML, et al. **Gene** 1986;43(1–2):41–50

Cellular immune competence of patients with lung cancer and other lung diseases. I. Analysis of peripheral blood lymphocyte subsets using monoclonal antibodies. Fujiwara S, et al. **Hiroshima J Med Sci** 1986 Sep;35(3):227–36

Immune functions of former poison gas workers. I. Mitogenic response of lymphocytes and serum factors. Yamakido M, et al. **Hiroshima J Med Sci** 1986 Jun;35(2):117–26

Increase in insulin secretion induced by plasma from mice injected with allogeneic lymphocytes. García JB, et al. **Horm Metab Res** 1987 Jul;19(7):290–4

Unsuitability of the assay for cell-mediated lympholysis in inbred mice for H-Y antigen determination of human cells. Braun A, et al. **Hum Genet** 1987 Aug;76(4):369–74

Differential surface marker expression in patients with CD-16+ lymphoproliferative disorders: in vivo model for NK differentiation. Bray RA, et al. **Hum Immunol** 1987 Jun;19(2):105–15

Lymphocytes modulated by beta interferon express new non-HLA-A,B,C class I antigens. Gazit E, et al. **Hum Immunol** 1987 Jan;18(1):53–63

Blind confirmation in Leiden of Geczy factor on the cells of Dutch patients with ankylosing spondylitis. Geczy AF, et al. **Hum Immunol** 1986 Nov;17(3):239–45

Expression of differentiation antigens by hybrids of human lymphoblastoid cells. Howell DN, et al. **Hum Immunol** 1986 Dec;17(4):443–55

A deletion mutant defines DQ beta variants with DR4 positive DQw3 positive haplotypes. Nepom BS, et al. **Hum Immunol** 1986 Oct;17(2):87–93

Chicken thymocyte-specific antigens identified by monoclonal antibodies: characterization and distribution in normal tissues and in tumoral tissues from Marek's disease chicken. Mazzella O, et al. **Hybridoma** 1986 Winter; 5(4):319–28

Stimulation of human lymphocytes by oxidized red blood cells (RBC) in the presence of polyethylene glycol (PEG). Ocklind G. **Immunobiology** 1987 Jan;174(1):20–9

H-2-linked genes determine the level of the primary in vitro anti-Mls response. Macphail S, et al. **Immunogenetics** 1986; 24(3):139–45

Genetic nomenclature for loci controlling mouse lymphocyte antigens. Morse HC 3d, et al. **Immunogenetics** 1987; 25(2):71–8

Polymorphic and autoreactive H-2-specific monoclonal antibody isolated after injections of syngeneic Sendai virus-coated lymphocytes. Opolski A, et al. **Immunogenetics** 1986;24(6):402–8

Relationship between the expression of class I antigen and reactivity of chicken thymocytes. Sgonc R, et al. **Immunogenetics** 1987;26(3):150–4

Lymphocyte migration between mutually tolerant parabiotic rats. McCullagh P. **Immunol Cell Biol** 1987 Jun;65 (Pt 3):263–5

Histamine-releasing activity of lymphocyte supernatants of guinea pig spleen cell cultures. Brzezińska-Błaszczyk E, et al. **Immunol Lett** 1986 Nov 3;13(6):289–94

T cell derived IgE binding factors inhibit IgE-specific rosettes on basophilic leukaemic cells and lymphocytes. Firer MA, et al. **Immunol Lett** 1986 Aug;13(1–2):1–5

Interleukin 2 induces appearance of LGL/Leu11+/K562 lytic cells in Leu11- low density peripheral blood mononuclear cell population. Lange A, et al. **Immunol Lett** 1987 May;15(1):1–7

Simultaneous immunofluorimetric quantitation of IgM and IgG in single splenic lymphoid cells after immunization. Pachmann K, et al. **Immunol Lett** 1986 Nov 3;13(6):301–5

Production of human—human hybridomas secreting antibody to sheep erythrocytes after in vitro immunization of peripheral blood lymphocytes. Terashima M, et al. **Immunol Lett** 1987 May;15(1):89–93

Role of somatic mutation in the generation of lymphocyte diversity. **Immunol Rev** 1987 Apr;96:1–162

Gamma-interferon is produced by CD3+ and CD3- lymphocytes. Sandvig S, et al. **Immunol Rev** 1987 Jun; 97:51–65 (33 ref.)

Killing of Giardia muris trophozoites in vitro by spleen, mesenteric lymph node and peritoneal cells from susceptible and resistant mice. Belosevic M, et al. **Immunology** 1986 Oct;59(2):269–75

Xid mouse lymphocytes respond to TI-2 antigens when co-stimulated by TI-1 antigens or lymphokines. Couderc J, et al. **Immunology** 1987 May;61(1):71–6

Monoclonal antibodies to sheep lymphocytes. I. Identification of MHC class II molecules on lymphoid tissue and changes in the level of class II expression on lymph-borne cells following antigen stimulation in vivo. Hopkins J, et al. **Immunology** 1986 Nov;59(3):433–8

Spontaneous release of Fc gamma receptors from normal human peripheral blood lymphocytes in vitro. McGuire J, et al. **Immunology** 1987 Mar;60(3):403–8

Phylogeny of lymphocyte heterogeneity: the cellular requirements for the mixed leucocyte reaction with channel catfish. Miller NW, et al. **Immunology** 1986 Sep;59(1):123–8

Numbers and phenotype of lymphocytes emigrating from sheep bone marrow after in situ labelling with fluorescein isothiocyanate. Pabst R, et al. **Immunology** 1986 Oct; 59(2):217–22

Characterization of rabbit cells by monoclonal and polyclonal antibodies. Ponsard DC, et al. **Immunology** 1986 Sep; 59(1):115–22

Immunoglobulin production of human lymphocytes

stimulated by Staphylococcus aureus Cowan I and pokeweed mitogen: differential effects of recombinant interleukin-2. Pryjma J, et al. **Immunology** 1986 Dec; 59(4):485–9

Fetal and neonatal development of human spleen: an immunohistological study. Timens W, et al. **Immunology** 1987 Apr;60(4):603–9

Direct suppression of antibody responses by chlorinated dibenzodioxins in cultured spleen cells from (C57BL/6 x C3H)F1 and DBA/2 mice. Holsapple MP, et al. **Immunopharmacology** 1986 Dec;12(3):175–86

Phytohaemagglutinin mediated activation of bat (Pteropus giganteus) lymphocytes. Paul BN, et al. **Indian J Exp Biol** 1987 Jan;25(1):1–4

Cytotoxic and immunoregulatory function of intestinal lymphocytes in Chlamydia trachomatis proctitis of nonhuman primates. James SP, et al. **Infect Immun** 1987 May;55(5):1137–43

Stimulation of murine lymphocyte blastogenesis by mitogens in heat-killed Histoplasma capsulatum yeast cells. Nickerson DA, et al. **Infect Immun** 1987 Apr;55(4):937–41

Polyclonal response of human lymphocytes to Chlamydia trachomatis. Räsänen L, et al. **Infect Immun** 1986 Oct; 54(1):28–31

Assessment of immunomodulating activity of ofloxacin and three other quinolones in human plasma. De Simone C, et al. **Infection** 1986;14 Suppl 4:S248–9

Influence of ofloxacin on murine Peyer's patch lymphocytes. De Simone C, et al. **Infection** 1986;14 Suppl 4:S256–7

In vitro effect of alpha-interferon on mononuclear cells of normal and autoimmune patients. Attallah AM, et al. **Int Arch Allergy Appl Immunol** 1987;83(1):77–82

An antigenic determinant common to lymphocytes and Langerhans cells of the guinea pig. Healey DG, et al. **Int Arch Allergy Appl Immunol** 1987;82(2):120–4

Interleukin-2 responses of MRL/lpr mouse splenocytes and lymph node cells induced by TPA and A23187. Katagiri T, et al. **Int Arch Allergy Appl Immunol** 1987;83(2):167–73

Enhanced mitogenic reactivity of human T cells after passage through the thymus. Response to phytohemagglutinin and mercuric chloride. Nordlind K, et al. **Int Arch Allergy Appl Immunol** 1987;83(2):190–2

E-rosetting of guinea pig lymphocytes with lyophilized rabbit red cells after treatment with papain and glutaraldehyde. Ota F, et al. **Int Arch Allergy Appl Immunol** 1987;83(1):72–6

Analysis of histamine-binding lymphocytes in atopy. Ruby J, et al. **Int Arch Allergy Appl Immunol** 1986;81(4):381–4

Side-chain-specific lymphocyte responses in workers with occupational allergy induced by penicillins. Stejskal VD, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):461–4

Control of human melanoma growth in nude mice by autologous allo-activated peripheral blood lymphocytes. Balsari A, et al. **Int J Cancer** 1986 Dec 15;38(6):923–7

Inhibition of murine lymphoma growth by adoptive transfer of lymphocytes sensitized to a xenogenized tumor variant. Bianchi R, et al. **Int J Cancer** 1987 Jul 15;40(1):7–11

In vitro susceptibility of different human T-cell subpopulations and resistance of large granular lymphocytes to HTLV-I infection. Macchi B, et al. **Int J Cancer** 1987 Jul 15;40(1):1–6

Decrease of mononuclear phagocyte cell functions and prolongation of graft survival in experimental transplantation by (+/-)-15-deoxyspergualin. Dickneite G, et al. **Int J Immunopharmacol** 1987;9(5):559–65

Kinetic analysis of the immunopotentiating effect of the hypoxanthine analogue, NPT-15392, on the interleukin-2 production potential of human lymphocytes. Donnelly RP, et al. **Int J Immunopharmacol** 1986;8(6):621–7

Dietary fat modulation of immune response. Erickson KL. **Int J Immunopharmacol** 1986;8(6):529–43 (75 ref.)

The influence of theophylline treatment on PGE2 production, PGE2 sensitivity and the distribution pattern of lymphocyte classes relative to the immune status. Gillissen G, et al. **Int J Immunopharmacol** 1986;8(6):561–8

Acetylspiramycin and the immune system—II. Effects on lymphocyte proliferation, lymphokine production, delayed-type hypersensitivity and antibody production. Li SY, et al. **Int J Immunopharmacol** 1986;8(6):657–64

The combined effect of prostaglandin E2 and interleukin 1 on interleukin 2 production and lymphocyte proliferation. Maca RD. **Int J Immunopharmacol** 1987;9(5):611–8

Immunomodulation exerted by cyclophosphamide is not interfered by N-acetyl cysteine. Palermo MS, et al. **Int J Immunopharmacol** 1986;8(6):651–5

In vitro immunomodulatory effects of interleukin-2 and thymosin fraction V in acquired immune deficiency syndrome. Reddy MM, et al. **Int J Immunopharmacol** 1987; 9(4):483–8

Beta-lactam antibiotics and human lymphocyte function: the in vitro effect on blastogenesis, lymphokine production and suppressor cell functions. Rouveix B, et al. **Int J Immunopharmacol** 1987;9(5):567–75

In vitro proliferation of lymphocytes from human volunteers vaccinated with armadillo-derived, killed M. leprae. Gill HK, et al. **Int J Lepr Other Mycobact Dis** 1987 Mar; 55(1):30–5

The biodistribution of radiolabeled antilymphocyte monoclonal antibody in the rat. Fawwaz RA, et al. **Int J Rad Appl Instrum [B]** 1986;13(1):39–42

Cellular abnormalities in patients with elevated serum IgE levels. Geha RS, et al. **J Allergy Clin Immunol** 1986 Nov; 78(5 Pt 2):995–9 (67 ref.)

Role of granule proteins in lymphocyte-mediated killing. Young JD, et al. **J Cell Biochem** 1986;32(2):151–67 (117 ref.)

Heterogeneity of Graves' immunoglobulin G: comparison of thyrotropin receptor antibodies in serum and in culture supernatants of lymphocytes transformed by Epstein-Barr virus infection. Yokoyama N, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):215–8

Abnormality of Leu 2+7+ cells in acquired immune deficiency syndrome (AIDS), AIDS-related complex, and asymptomatic homosexuals. Gupta S. **J Clin Immunol** 1986 Nov;6(6):502–9

Lymphocyte responses to varicella zoster virus in the elderly. Hayward AR, et al. **J Clin Immunol** 1987 Mar;7(2):174–8

Peripheral blood mononuclear-cell interleukin-2 production, receptor generation and lymphokine-activated cytotoxicity in inflammatory bowel disease. Ming RH, et al. **J Clin Immunol** 1987 Jan;7(1):59–63

In vitro anti-acetylcholine receptor antibody synthesis by myasthenia gravis patient lymphocytes: correlations with thymic histology and thymic epithelial-cell interactions. Safar D, et al. **J Clin Immunol** 1987 May;7(3):225–34

Phenotypic analyses of mononuclear cells recovered from healthy and diseased human periodontal tissues. Stoufi ED, et al. **J Clin Immunol** 1987 May;7(3):235–45

Human antibodies to ovarian cancer antigens secreted by lymphoblastoid cell lines. Al-Azzawi F, et al. **J Clin Lab Immunol** 1987 Feb;22(2):71–5

Lymphocyte Fc gamma-receptor blocking antibodies in intravenous gammaglobulin preparations. Cocker JE, et al. **J Clin Lab Immunol** 1987 Feb;22(2):85–90

Evidence for regulation of human colonic mucosal immunoglobulin secretion by intestinal lymphoid cells. Danis VA, et al. **J Clin Lab Immunol** 1987 Jan;22(1):7–11

A simple method for detecting anti-tubular membrane antibodies in rat lymphoid cell cultures. Fierro C, et al. **J Clin Lab Immunol** 1987 Apr;22(4):201–3

Effects of mixed bacterial toxins on immune response. Grossman CJ, et al. **J Clin Lab Immunol** 1987 Mar; 22(3):139–43

Interleukin 1 and interleukin 2 production in the acquired immune deficiency syndrome (AIDS) and AIDS-related complex. Gupta S, et al. **J Clin Lab Immunol** 1987 Mar; 22(3):113–6

Lymphocyte responsiveness and interleukin 2 production in type 1 (insulin-dependent) diabetes mellitus. Surcel HM, et al. **J Clin Lab Immunol** 1987 Apr;22(4):163–4

Preservation of natural killer and interleukin-2 activated killer cell activity in ataxia-telangiectasia with T cell deficiency. Tsuge I, et al. **J Clin Lab Immunol** 1987 May; 23(1):7–13

Relationships between non organ-specific autoantibody production and age-related modifications of mononuclear cell phenotype. Youinou P, et al. **J Clin Lab Immunol** 1986 Nov;21(3):107–11

Lymphatic filariasis: in vitro lymphoproliferation in Wuchereria bancrofti infection. Dasgupta A, et al. **J Commun Dis** 1986 Sep;18(3):203–7

Inhibition of Plasmodium knowlesi isoenzyme bands using antibody produced by lymphocyte hybridoma technique. Pasha ST, et al. **J Commun Dis** 1986 Sep;18(3):198–202

A comparison of the dermal lymphoid infiltrates in discoid lupus erythematosus and Jessner's lymphocytic infiltrate of the skin using the monoclonal antibody Leu 8. Ashworth J, et al. **J Cutan Pathol** 1987 Aug;14(4):198–201

The diagnostic importance of intraepithelial lymphocytes in some colonic diseases in Egypt. Schoukry NA, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):361–71

Cyclosporine-induced autoimmunity. Conditions for expressing disease, requirement for intact thymus, and potency estimates of autoimmune lymphocytes in drug-treated rats. Sorokin R, et al. **J Exp Med** 1986 Nov 1;164(5):1615–25

A novel 120-kD surface antigen expressed by a subset of human lymphocytes. Evidence that lymphokine-activated killer cells express this molecule and use it in their effector function. Zocchi MR, et al. **J Exp Med** 1987 Aug 1; 166(2):319–26

Virus-lymphocyte interactions during the course of immunosuppressive virus infection. Strayer DS, et al. **J Gen Virol** 1987 Feb;68 (Pt 2):463–72

Lymphocytes of bronchoalveolar lavages from heart-lung transplant recipients. Zeevi A, et al. **J Heart Transplant** 1985 Jul-Aug;4(4):417–21

Bent-limb disease in lambs. Apparent transmission with an autosomal recessive gene linked to the OL-Z minor lymphocyte antigen locus and the 1 locus involved in the expression of R and O antigens in sheep. Millot P. **J Immunogenet** 1986 Aug;13(4):341–8

Activation of immature cortical thymocytes through the T11 sheep erythrocyte binding protein. Blue ML, et al. **J Immunol** 1987 May 15;138(10):3108–13

Production and characterization of a monoclonal antibody specific for the human lymphocyte low affinity receptor for IgE: CD 23 is a low affinity receptor for IgE. Bonnefoy JY, et al. **J Immunol** 1987 May 1;138(9):2970–8

Identification and characterization of two novel lymphocyte function-associated antigens, L24 and L25. Clayberger C, et al. **J Immunol** 1987 Mar 1;138(5):1510–4

Induction of cytotoxicity in human peripheral blood mononuclear cells by monoclonal antibody OKT3. Jung G, et al. **J Immunol** 1987 Jul 15;139(2):639–44

Human oncogene-transfected tumor cells display differential susceptibility to lysis by lymphokine-activated killer cells (LAK) and natural killer cells. Lanza LA, et al. **J Immunol** 1986 Oct 15;137(8):2716–20

Interleukin inhibition by a parasite proteinase inhibitor, taeniaestatin. Leid RW, et al. **J Immunol** 1986 Oct 15; 137(8):2700–2

Influenza virus infection induces functional alterations in peripheral blood lymphocytes. Lewis DE, et al. **J Immunol** 1986 Dec 15;137(12):3777–81

A synthetic analogue of Escherichia coli lipoprotein, tripalmitoyl pentapeptide, constitutes a potent immune adjuvant. Lex A, et al. **J Immunol** 1986 Oct 15; 137(8):2676–81

Production and characterization of monoclonal antibodies to rabbit lymphocyte subpopulations. I. Tissue immunofluorescence and flow cytometric analysis. Loar LD, et al. **J Immunol** 1986 Nov 1;137(9):2784–90

Uveitogenic potential of lymphocytes sensitized to interphotoreceptor retinoid-binding protein. McAllister CG, et al. **J Immunol** 1987 Mar 1;138(5):1416–20

Large granular lymphocytes from SCID horses develop potent cytotoxic activity after treatment with human recombinant interleukin 2. Magnuson NS, et al. **J Immunol** 1987 Jul 1;139(1):61–7

Cellular subsets involved in cell-mediated immunity to murine Plasmodium yoelii 17X malaria. Mogil RJ, et al. **J Immunol** 1987 Mar 15;138(6):1933–9

Identification of specific cytolytic immune responses against autologous tumor in humans bearing malignant melanoma. Muul LM, et al. **J Immunol** 1987 Feb 1;138(3):989–95

The role of interleukin 2 in inducing Ig production in a pokeweed mitogen-stimulated mononuclear cell system. Nakagawa N, et al. **J Immunol** 1987 Feb 1;138(3):795–801

Accumulation and chemotaxis of natural killer/large granular lymphocytes at sites of virus replication. Natuk RJ, et al. **J Immunol** 1987 Feb 1;138(3):877–83

Early events in lymphocyte activation as defined by three new monoclonal antibodies. Newman W, et al. **J Immunol** 1986 Dec 15;137(12):3702–8

Lepromin-induced lymphoproliferative response of experimental leprosy monkeys: regulatory role of monocyte and lymphocyte subsets. Ohkawa S, et al. **J Immunol** 1987 Jun 1;138(11):3943–8

Natural cytotoxic cells and tumor necrosis factor activate similar lytic mechanisms. Patek PQ, et al. **J Immunol** 1987 Mar 1;138(5):1641–6

Natural killer-sensitive targets stimulate production of TNF-alpha but not TNF-beta (lymphotoxin) by highly purified human peripheral blood large granular lymphocytes. Peters PM, et al. **J Immunol** 1986 Oct 15; 137(8):2592–8

Antibody-dependent cellular cytotoxicity mediated by murine lymphocytes activated in recombinant interleukin 2. Shiloni E, et al. **J Immunol** 1987 Mar 15;138(6):1992–8

Generation from tumor-bearing mice of lymphocytes with in vivo therapeutic efficacy. Shu SY, et al. **J Immunol** 1987 Jul 1;139(1):295–304

A labile antigen complex at the lymphocyte surface: the effect of the substratum on its expression. Sundqvist KG, et al. **J Immunol** 1987 Feb 1;138(3):825–32

Peritoneal macrophages exposed to purified macrophage colony-stimulating factor (M-CSF) suppress mitogen- and antigen-stimulated lymphocyte proliferation. Wing EJ, et al. **J Immunol** 1986 Nov 1;137(9):2768–73

Determination of co-expression of activation antigens on proliferating CD4+, CD4+ CD8+ and CD8+ lymphocyte subsets by dual parameter flow cytometry. Creemers PC. **J Immunol Methods** 1987 Mar 12; 97(2):165–71

Partial purification of lymphoblasts after in vitro immunization increases the yield in Ig-producing hybridomas. Erkman L, et al. **J Immunol Methods** 1987 Apr 2;98(1):43–52

A sensitive enzyme immunoassay for anti-thyroglobulin antibody using Fab'-horseradish peroxidase conjugate. Evaluation of in vitro anti-thyroglobulin antibody synthesis by lymphocytes from patients with autoimmune thyroid disease [published erratum appears in J Immunol Methods 1987 Jun 26;100(1-2):285] Hoshijima Y, et al. **J Immunol Methods** 1987 Jan 26;96(1):121–6

Cell cycle kinetics model of LPS-stimulated spleen cells correlates switch region rearrangements with S phase. Kenter AL, et al. **J Immunol Methods** 1987 Feb 26; 97(1):111–7

A new micromethod for determination of interleukin-1 production from frozen human blood mononuclear cells. Muñoz CG, et al. **J Immunol Methods** 1987 May 4; 99(1):123–7

Cryopreservation and short-term storage of human lymphocytes for surface marker analysis. Comparison of three methods. Prince HE, et al. **J Immunol Methods** 1986 Oct 23;93(1):15–8

Solid-phase radioimmunoassay for the measurement of surface antigens expressed on intact lymphocytes. Savion S, et al. **J Immunol Methods** 1987 Feb 26;97(1):49–56

Expansion of human tumor infiltrating lymphocytes for use in immunotherapy trials. Topalian SL, et al. **J Immunol Methods** 1987 Aug 24;102(1):127–41

Compartmentalization of cells bearing "rheumatic" cell surface antigens in peripheral blood and tonsils in rheumatic

heart disease. Gray ED, et al. **J Infect Dis** 1987 Feb; 155(2):247–52

Influence of monoclonal antibodies against HLA class I and class II antigen on interferon–gamma and –alpha induction. Ausiello C, et al. **J Interferon Res** 1987 Apr;7(2):133–43

In vivo hyperthermia enhances plasma antiviral activity and stimulates peripheral lymphocytes for increased synthesis of interferon–gamma. Downing JF, et al. **J Interferon Res** 1987 Apr;7(2):185–93

Local and systemic desensitization induced by repeated epicutaneous hapten application. Boerrigter GH, et al. **J Invest Dermatol** 1987 Jan;88(1):3–7

Monoclonal antibody labeling of mononuclear cell surface antigens in formaldehyde–fixed paraffin–embedded cutaneous tissue. Cerio R, et al. **J Invest Dermatol** 1986 Oct;87(4):499–503

Killing of human dermal capillary endothelial cells by antibody–dependent cellular cytotoxicity. Marks RM, et al. **J Invest Dermatol** 1986 Oct;87(4):519–23

Identification and purification of the human myeloid differentiation antigen recognized by monoclonal antibody AHN–7. Skubitz KM, et al. **J Leukocyte Biol** 1987 Feb; 41(2):104–10

Regulation of large granular lymphocytes and human T cell growth and function by recombinant interleukin 2. II. Acquisition of potent cytotoxic capabilities. Yamada S, et al. **J Leukocyte Biol** 1987 Sep;42(3):263–72

Unusual monocyte–lymphocyte interactions determine the specificity of the immune–specific interferon response induced by Newcastle disease and herpes simplex viruses. Green JA. **J Med Virol** 1986 Dec;20(4):381–9

Lymphocyte transformation response of calves to respiratory syncytial virus. Taylor G, et al. **J Med Virol** 1987 Aug; 22(4):333–44

Immunogold–silver staining of lymphocyte surface antigens on cells in suspension and in lymph node cryostat sections. De Waele M, et al. **J Microsc** 1986 Aug;143 (Pt 2):151–60

Comparative binding of murine and human monoclonal antibodies reacting with myelin–associated glycoprotein to myelin and human lymphocytes. Miller SL, et al. **J Neuroimmunol** 1987 Jul–Aug;15(3):229–42

Differential response of rat splenic lymphocytes to short–term and long–term neuroendocrine challenges: possible desensitization of the cellular immune response to corticosteroids. Paciotti GF, et al. **J Neuroimmunol** 1987 Oct;16(2):253–9

Protection against allergic encephalomyelitis by recruitment of myelin basic protein reactive lymphocytes into a single lymph node. Willenborg DO. **J Neurol Sci** 1987 Feb; 77(2–3):193–201

Lymphocyte abnormalities in infants born to drug–abusing mothers. Culver KW, et al. **J Pediatr** 1987 Aug; 111(2):230–5

Defective humoral and cellular immune functions associated with veno–occlusive disease of the liver. Etzioni A, et al. **J Pediatr** 1987 Apr;110(4):549–54

OKT3 monoclonal antibody in pediatric kidney transplant recipients with recurrent and resistant allograft rejection. Leone MR, et al. **J Pediatr** 1987 Jul;111(1):45–50

Lymphoid cell populations in splenectomized and nonsplenectomized SJL/J mice bearing Hodgkin's disease–like reticulum cell sarcoma. Brooks SP, et al. **J Pediatr Surg** 1986 Dec;21(12):1114–8

Antibody isotype produced by pregnant mice immunised with fetal allogeneic lymphocytes is mainly IgG1. Chen RE, et al. **J Reprod Immunol** 1987 Mar;10(3):189–99

Immunosuppressive effect of early pregnancy factor on early expression of cell surface membrane IgG. Cocchiara R, et al. **J Reprod Immunol** 1986 Apr;9(1):23–32

Assessment of immune responses to H–Y antigen in naturally inseminated and sperm–injected mice using cell–mediated cytotoxicity assays. Hancock RJ, et al. **J Reprod Immunol** 1986 Nov;9(3):187–94

Partial characterization of uterine cells responsible for suppression of murine maternal anti–fetal immune responses. Tawfik OW, et al. **J Reprod Immunol** 1986 Nov; 9(3):213–24

Localized deep hyperthermia increases the traffic of lymphocytes through peripheral lymph nodes of sheep in vivo. Moore TC, et al. **J Surg Oncol** 1987 Jun;35(2):75–81

Sequential elaboration of lymphocyte–enhancing and –suppressing factors in the sera of tumor–bearing animals. Wile AG, et al. **J Surg Oncol** 1987 Jul;35(3):207–12

A human monoclonal antibody produced by in vitro sensitization of human lymphocytes with an antigen from urine of a sarcoma patient. Huth JF, et al. **J Surg Res** 1987 Jun;42(6):591–6

Parasite immunology and lymphocyte population dynamics. Grossman Z, et al. **J Theor Biol** 1986 Jul 21;121(2):129–39

Serum lymphocyte adherence inhibition test in bladder cancer patients. Rockwood AP, et al. **J Urol** 1986 Nov; 136(5):1009–12

Lymphokine–activated killer activity of tumor–associated and peripheral blood lymphocytes isolated from patients with ascites ovarian tumors. Allavena P, et al. **JNCI** 1986 Oct;77(4):863–8

In vivo distribution of recombinant interleukin–2–activated autologous lymphocytes administered by intra–arterial infusion in patients with renal cell carcinoma. Morita T, et al. **JNCI** 1987 Mar;78(3):441–50

Role of adherent mononuclear cells derived from adult pigs and suckling piglets in response to pokeweed mitogen–induced immunoglobulin production. Hagiwara S, et al. **Jpn J Vet Res** 1986 Oct;34(3–4):279–89

Induction of gamma interferon by mumps virus in lymphocytes from children inoculated with live mumps virus vaccine. Nakayama T, et al. **Kitasato Arch Exp Med** 1986 Jun;59(1–2):37–41

Effects of xenogeneic, allogeneic and isogeneic thymus grafts on lymphocyte populations in peripheral lymphoid organs of the nude rat. Hougen HP, et al. **Lab Anim** 1987 Apr; 21(2):103–11

Immunisation with paternal lymphocytes in women with recurrent miscarriage [letter] Mowbray JF, et al. **Lancet** 1987 Sep 19;2(8560):679–80

Alterations of HLe–1 (T200) fluorescence intensity on acute lymphoblastic leukemia cells may relate to therapeutic outcome. Caldwell CW, et al. **Leuk Res** 1987;11(1):103–6

Are some major in vivo effects of gold related to microenvironments of decreased selenium? Dillard CJ, et al. **Med Hypotheses** 1986 Aug;20(4):407–20

Human monoclonal antibodies to thyroid antigens derived by hybridization of lymphocytes from a diabetic patient. Tan KS, et al. **Metabolism** 1987 Apr;36(4):327–34

Induction of specific macrophage cytotoxicity. De Weger RA, et al. **Methods Enzymol** 1986;132:531–6

Large–scale production and recovery of human immune interferon. van Reis R, et al. **Methods Enzymol** 1986; 119:77–83

Induction of human interferon gamma with phorbol esters and phytohemagglutinin. Vilček J, et al. **Methods Enzymol** 1986;119:48–54

The interaction of recombinant IL–2 with human resting lymphocytes: blocking effects of monoclonal antibodies to IL–2 receptors. Iseki R, et al. **Microbiol Immunol** 1987; 31(1):59–74

In situ lymphophagocytosis by nonlymphoreticular neoplasms. Ghoneum M, et al. **Nat Immun Cell Growth Regul** 1987;6(2):77–87

A complementary DNA clone for a macrophage–lymphocyte Fc receptor [published erratum appears in Nature 1986 Dec 18–31;324(6098):702] Lewis VA, et al. **Nature** 1986 Nov 27–Dec 3;324(6095):372–5

Lymphocyte adherence to myelinated tissue in multiple sclerosis: correlation with disease activity. Dore–Duffy P, et al. **Neurology** 1986 Nov;36(11):1500–3

Multiple sclerosis: increased expression of interleukin–2 receptors on lymphocytes. Selmaj K, et al. **Neurology** 1986 Oct;36(10):1392–5

Observation of lymphocyte function in perinatal cows and neonatal calves. Ishikawa H. **Nippon Juigaku Zasshi** 1987 Jun;49(3):469–75

Dietary fat, plasma lipoproteins, and immune function in middle–aged American men. Berry EM, et al. **Nutr Cancer** 1987;9(2–3):129–42

Experimental Echinococcus granulosus infection in mice: immunocytochemical analysis of lymphocyte populations in local lymphoid infections during early infection. Riley EM, et al. **Parasitology** 1987 Jun;94 (Pt 3):523–32

Adoptive immunotherapy of cancer with activated lymphocytes and interleukin–2. Kradin RL, et al. **Pathol Immunopathol Res** 1986;5(3–5):193–202 (47 ref.)

Human nonspecific effector leukocytes: possible function in herpes simplex virus infection. Visser MR, et al. **Pathol Immunopathol Res** 1986;5(2):140–55 (119 ref.)

Identification of HLA–DP polymorphism with DP alpha and DP beta probes and monoclonal antibodies: correlation with primed lymphocyte typing. Bodmer J, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4596–600

Human lymphocyte Fc receptor for IgE: sequence homology of its cloned cDNA with animal lectins. Ikuta K, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):819–23

The Thy–1 antigen exhibits rapid lateral diffusion in the plasma membrane of rodent lymphoid cells and fibroblasts. Ishihara A, et al. **Proc Natl Acad Sci USA** 1987 Mar; 84(5):1290–3

Altered cell–surface protein(s), crossreactive with DNA, on spleen cells of autoimmune lupic mice. Jacob L, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1361–3

Murine Ly–6 multigene family is located on chromosome 15. LeClair KP, et al. **Proc Natl Acad Sci USA** 1987 Mar; 84(6):1638–43

Absence of cytotoxic antibody to human immunodeficiency virus–infected cells in humans and its induction in animals after infection or immunization with purified envelope glycoprotein gp120. Nara PL, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3797–801

1 alpha,25–Dihydroxyvitamin D3 inhibits gamma–interferon synthesis by normal human peripheral blood lymphocytes. Reichel H, et al. **Proc Natl Acad Sci USA** 1987 May; 84(10):3385–9

The cytolytic protein of human lymphocytes related to the ninth component (C9) of human complement: isolation from anti–CD3–activated peripheral blood mononuclear cells. Zalman LS, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2426–9

Chicken serum inhibits lectin–induced proliferation of autologous splenic mononuclear cells. Franklin RA, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):225–33

Brain and immune system: a one–way conversation or a genuine dialogue? Ballieux RE, et al. **Prog Brain Res** 1987; 72:71–7

Production and flow cytometric analysis of monoclonal antibodies reactive with subpopulations of chicken lymphocytes. Lillehoj HS. **Prog Clin Biol Res** 1987; 238:87–97

Lymphocyte numbers in endogenous depression. Murphy D, et al. **Psychol Med** 1987 May;17(2):381–5

Transfer of immunity to Ostertagia circumcincta and IgA memory between identical sheep by lymphocytes collected from gastric lymph. Smith WD, et al. **Res Vet Sci** 1986 Nov;41(3):300–6

Aberrant lymphocyte trafficking in murine systemic lupus erythematosus. Schrieber L, et al. **Rheumatol Int** 1986; 6(5):215–9

Co–expression of surface immunoglobulin and T3 on hairy cells. Haegert DG, et al. **Scand J Haematol** 1986 Sep; 37(3):196–202

Immune responses during human schistosomiasis mansoni. XIII. Immunological status of spleen cells from hospital patients with hepatosplenic disease. Garcia AA, et al. **Scand J Immunol** 1986 Oct;24(4):413–20

Lack of immune deficiency in sarcoidosis: compartmentalisation of the immune response. Hudspith BN, et al. **Thorax** 1987 Apr;42(4):250–5

A "new" supertypic HLA–DP related determinant detected by primed lymphocyte typing (PLT). Odum N, et al. **Tissue Antigens** 1987 Feb;29(2):101–9

Detection of IgA dominant immune complexes on peripheral blood lymphocytes in patients with IgA nephropathy. Nomoto H, et al. **Tokai J Exp Clin Med** 1986 Mar; 11(1):13–7

Inhibition of lymphocyte proliferation by a synthetic peptide homologous to envelope proteins of human and animal retroviruses. Cianciolo GJ, et al. **Trans Assoc Am Physicians** 1985;98:30–41

Release of lymphokines following Epstein–Barr virus infection in vitro of blood lymphocytes from patients with autoimmune diseases. Lotz M, et al. **Trans Assoc Am Physicians** 1986;99:114–24

Uveitis: lymphocyte subpopulation studies. Deschênes J, et al. **Trans Ophthalmol Soc UK** 1986;105 (Pt 2):246–51

Effector mechanisms in graft rejection. Relationship to the regulation of lymphocyte differentiation. **Transplant Proc** 1975 Mar;7(1 Suppl 1):291–333

Phenotypic and functional alterations of recipient lymphocytes after transfusion of UV–irradiated and normal blood—implications for marrow transplantation. Deeg HJ, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2709–14

Immunological monitoring by lymphocyte electrophoretic mobility in renal transplant recipients. Ihara H, et al. **Transplant Proc** 1987 Aug;19(4):3505–9

In vivo macrophage–directed lymphocyte traffic requires macrophage activation. Migliori RJ, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):338–41

Studies of specifically allosensitized lymphocyte–mediated injury of isolated canine hepatocytes. Nakai H, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):439–43

Target susceptibility in cell–mediated lympholysis assays correlates with major histocompatibility complex surface antigen expression. Suranyi MG, et al. **Transplant Proc** 1987 Apr;19(2):2869–72

Cell–mediated lympholysis: target susceptibility to lysis correlates with surface major histocompatibility complex expression. Suranyi MG, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 1):417–20

Bronchoalveolar macrophage–lymphocyte reactivity in heart–lung transplant recipients. Zeevi A, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2537–40

Joint report of the Third International Workshop of Canine Immunogenetics. II. Analysis of the serological typing of cells. Bull RW, et al. **Transplantation** 1987 Jan;43(1):154–61

Rejection of murine cardiac allografts. II. Evidence that splenocytes bearing Lyt2 inhibit responsiveness in long–term heart graft recipients. Burdick JF, et al. **Transplantation** 1987 Apr;43(4):509–14

Lymphocyte subpopulations and memory of MHC antigens. I. Quantitative aspects of neonatal heart graft rejection in normal and immune rats. Herbert J, et al. **Transplantation** 1987 Apr;43(4):556–60

Evidence that cyclosporine does not inhibit allograft rejection by IL–2–treated sensitized splenocytes. Kemeny MM, et al. **Transplantation** 1987 Apr;43(4):560–3

Hyperthermia for treatment of human split–thickness skin. Differential effects on HLA–DR–expressing cells and keratinocytes. Morhenn VB. **Transplantation** 1987 Aug; 44(2):280–6

Immunoregulatory alterations in Plasmodium falciparum and Plasmodium vivax infections. Merino F, et al. **Trop Med Parasitol** 1986 Sep;37(3):241–4

Infusion of autologous alloactivated lymphocytes in melanoma patients: toxicity and immunologic monitoring. Gambacorti–Passerini C, et al. **Tumori** 1986 Aug 31; 72(4):383–8

Cytotoxic capabilities of bovine lymphocytes after lectin stimulation. Campos M, et al. **Vet Immunol Immunopathol** 1987 Apr;14(4):297–307

The effect of general anesthesia on canine lymphocyte function. Felsburg PJ, et al. **Vet Immunol Immunopathol** 1986 Sep;13(1–2):63–70

Investigation of cross–reactivity between commercially available antibodies directed against human, mouse, and rat lymphocyte surface antigens and surface markers on canine cells. Greenlee PG, et al. **Vet Immunol Immunopathol** 1987 Jul;15(4):285–96

Effect of Rous associated virus number 7 on lymphoid cells

and tissues of the chicken. Heidrich JE, et al. **Vet Immunol Immunopathol** 1987 Jun;15(3):267–83

Primary in vitro stimulation of antibody production by rainbow trout lymphocytes. Kaattari SL, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):29–38

Immunosuppression by canine distemper virus: modulation of in vitro immunoglobulin synthesis, interleukin release and prostaglandin E2 production. Krakowka S, et al. **Vet Immunol Immunopathol** 1987 Jun;15(3):181–201

Human recombinant interleukin-2 augments in vitro blastogenesis of bovine and porcine lymphocytes. Stott JL, et al. **Vet Immunol Immunopathol** 1986 Sep;13(1–2):31–8

Effect of corticosteroid on porcine leukocytes: age-related effects of corticosteroid inhibition on porcine lymphocyte responses to mitogens. Yang WC, et al. **Vet Immunol Immunopathol** 1986 Sep;13(1–2):19–29

Immunohistochemical analysis on normal nephrogenesis and Wilms' tumour using monoclonal antibodies reactive with lymphohaemopoietic antigens. Ishii E, et al. **Virchows Arch [A]** 1987;411(4):315–22

Novel nuclear antigens recognized by human sera in lymphocytes latently infected by Epstein–Barr virus. Rowe DT, et al. **Virology** 1987 Jan;156(1):153–62

Occurrence and characterization of lympho-agglutinins in Indian plants. Arora JS, et al. **Vox Sang** 1987;52(1–2):134–7

Further investigation of nonspecific biological substance in anti-Rh(D) preparations. Petri IB, et al. **Vox Sang** 1986; 51(4):287–91

Investigations on opsonin-independent antistaphylococcal activity of human neutrophilic granulocytes, monocytes and lymphocytes. Schumacher-Perdreau F, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Nov; 262(4):531–41

[Lymphocyte subpopulations in mesangial immunoglobulin A glomerulonephritis] Altünkova I, et al. **Vutr Boles** 1986; 25(6):35–8 (Eng. Abstr.) **(Bul)**

[Abnormal function of peripheral lymphocytes in producing interleukin 2 and immune interferon in patients with hepatitis B] Liu SL. **Chung Hua I Hsueh Tsa Chih** 1986 Jul;66(7):413–6 **(Chi)**

[Study on the rapid detection of interleukin-2 biological activity with mouse thymocytes] Yin TG, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Dec;17(4):273–6 (Eng. Abstr.) **(Chi)**

[Manifestations of immunity disorders in malignant lymphogranuloma] Dienstbier Z, et al. **Sb Lek** 1987 Feb–Mar;89(2–3):41–4 (Eng. Abstr.) **(Cze)**

[Lymphocyte suspensions greater than 2000/l per microliter sensitize HLA typing] Májský A. **Vnitr Lek** 1987 May; 33(5):468–71 (Eng. Abstr.) **(Cze)**

[Immunology of bone marrow grafts] Dreyfus F. **Ann Med Interne (Paris)** 1986;137(8):617–20 **(Fre)**

[Anti-Brucella immunity transferred by immune serum and that transferred by splenic lymphocytes cannot be added] Plommet M, et al. **Ann Rech Vet** 1986;17(2):169–75 (Eng. Abstr.) **(Fre)**

[Effect of the thymus on the development of genetic hypertension in the Lyons-strain rat (LH)] Bataillard A, et al. **Arch Mal Coeur** 1986 Jun;79(6):867–70 (Eng. Abstr.) **(Fre)**

[Immunohistologic and histochemical study of conjunctival lesions in sarcoidosis] Angi MR, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:111–5 **(Fre)**

[Factors of humoral and cellular immunity in onchocercosis (results of studies conducted in Senegal)] Ndiaye AB, et al. **Bull Soc Pathol Exot Filiales** 1987;80(2):230–41 (Eng. Abstr.) **(Fre)**

[In vitro tumoricidal activity of peritoneal macrophages and splenic lymphocytes of rats under diet with or without fish] Fady C, et al. **C R Soc Biol (Paris)** 1986;180(4):426–33 (Eng. Abstr.) **(Fre)**

[Are lymphocytic anomalies in the schizophrenic a reflection of an immune deficit? Bibliographic review] Aboudar M, et al. **Encephale** 1986 Sep–Oct;12(5):269–71 (16 ref.) (Eng. Abstr.) **(Fre)**

[Cytotoxic antibodies in multiple sclerosis] Rumbach L, et al. **Pathol Biol (Paris)** 1987 Mar;35(3):307–12 (Eng. Abstr.) **(Fre)**

[Hemolytic plaque cells (plaque forming cells) in patients with type I and type II diabetes mellitus] Goldoni V, et al. **Acta Med Iugosl** 1986;40(3):201–6 **(Ger)**

[Inhibitory serum factors in MLR and in PHA-stimulation in sera from normal, allogenic hyperimmunized and transplantation tolerant mice] Brock J, et al. **Allerg Immunol (Leipz)** 1986;32(4):287–94 (Eng. Abstr.) **(Ger)**

[Histamine receptor-bearing lymphocytes. VII. Antibody formation and graft-vs-host reaction from spleen cells after separation on histamine affinity columns] Eckert R, et al. **Allerg Immunol (Leipz)** 1986;32(4):259–66 (Eng. Abstr.) **(Ger)**

[Influence on the immune response of C-reactive protein (CRP)] Jahn S, et al. **Allerg Immunol (Leipz)** 1986; 32(3):185–91 (Eng. Abstr.) **(Ger)**

[Determination of antibody-dependent cytotoxicity of granulocytes, monocytes and lymphocytes using human erythrocytes as target cells] Jahr H, et al. **Allerg Immunol (Leipz)** 1986;32(4):277–86 (Eng. Abstr.) **(Ger)**

[Active enhancement of rat kidney grafts by immunization of the recipients with donor-specific nylon-adherent spleen lymphocytes] Kaden J, et al. **Allerg Immunol (Leipz)** 1986; 32(3):143–51 (Eng. Abstr.) **(Ger)**

[E rosette formation by donor lymphocytes and additional cellular tests on psoriatic scale extracts] Schwartze G, et al. **Dermatol Monatsschr** 1986;172(8):457–61 (Eng. Abstr.) **(Ger)**

[Lysis of leukemia cells with a monoclonal antibody–cocktail (e.g. VIP–pool) and human complement] Reiners B, et al. **Folia Haematol (Leipz)** 1987;114(1):84–96 (Eng. Abstr.) **(Ger)**

[Lymphocytes are sensitive to gravity] Bechler B, et al. **Naturwissenschaften** 1986 Jul;73(7):400–3 **(Ger)**

[Intrahepatic cholestasis: modulation by immunological factors?] Marbet UA, et al. **Schweiz Med Wochenschr** 1986 Jul 19;116(29):969–70 (Eng. Abstr.) **(Ger)**

[Determination of the sensitivity of lymphocytes to glucocorticoids—differentiation in high, normal and low responders] Krohm P, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(6):343–6 **(Ger)**

[Modification of the transplant rejection reaction by manipulation of the transplants—a new model] Wottge HU, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986; 19(6):346–9 **(Ger)**

[Principles of immune regulation] Ambrosius H. **Z Gesamte Inn Med** 1986 Sep 1;41(17):461–4 (Eng. Abstr.) **(Ger)**

[Immunologic factors in diabetic nephropathy] Orsoni G, et al. **Minerva Endocrinol** 1987 Apr–Jun;12(2):153–6 (Eng. Abstr.) **(Ita)**

[Pathophysiological studies on immunoglobulin production by lymphocyte culture in vitro] Kurata T. **Fukuoka Igaku Zasshi** 1986 Aug;77(8):408–18 (Eng. Abstr.) **(Jpn)**

[In vitro enhancement of cytotoxicity of human peripheral blood lymphocytes with recombinant interleukin 2 and an interferon mixture (alpha + beta + gamma) against human colon carcinoma cell line SW1116] Kimoto Y. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3419–26 (Eng. Abstr.) **(Jpn)**

[Blocking factors in human blood which inhibit the cytotoxicity of lymphocytes] Kimoto Y, et al. **Gan To Kagaku Ryoho** 1987 Feb;14(2):453–8 (Eng. Abstr.) **(Jpn)**

[Immunological studies on peripheral blood lymphocytes and lymphocytes infiltrated into the parotid gland with Sjögren's syndrome] Ikawa T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Feb;90(2):168–76 (Eng. Abstr.) **(Jpn)**

[Immunohistologic characterization of lymphoid cells infiltrating dysgerminoma of the ovary] Honma S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Dec; 38(12):2201–6 (Eng. Abstr.) **(Jpn)**

[Significance of early pregnancy factor (EPF) on reproductive immunology] Igarashi S. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Feb;39(2):189–94 (Eng. Abstr.) **(Jpn)**

[Production of IgA antibody against HBc antigen by peripheral blood lymphocytes in patients with HBV infection] Suga M. **Nippon Shokakibyo Gakkai Zasshi** 1987 Jan;84(1):127 **(Jpn)**

[Fetal calf serum-augmented cytotoxicity of peripheral blood mononuclear cells obtained from patients with cancer of the digestive organs] Suzuki M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep;83(9):2058–66 (Eng. Abstr.) **(Jpn)**

[Binding ratio of rat liver cells to peripheral lymphocytes in patients with liver diseases] Takabatake K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov;83(11):2351–8 (Eng. Abstr.) **(Jpn)**

[A study on the inhibition of lymphocytes response to mitogens by bile acids] Takase K. **Nippon Shokakibyo Gakkai Zasshi** 1987 May;84(5):1110–20 (Eng. Abstr.) **(Jpn)**

[Peripheral lymphocyte examination—evaluation and application of the tests in the diagnosis of liver disease] Kado Y, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:216–22 (18 ref.) **(Jpn)**

[Recovery of immune function after bone marrow transplantation] Takagi S, et al. **Rinsho Ketsueki** 1987 Mar; 28(3):323–30 (51 ref.) (Eng. Abstr.) **(Jpn)**

[Immune function of peripheral blood cells in multiple sclerosis: in vitro immunoglobulin secretion and their responses to myelin basic protein, cerebrosides and GM1] Kawai K, et al. **Rinsho Shinkeigaku** 1987 Mar;27(3):279–87 (Eng. Abstr.) **(Jpn)**

[Immunological study on demyelinating peripheral neuropathy. Comparison between experimental allergic neuritis and Guillain–Barré syndrome] Negishi T. **Rinsho Shinkeigaku** 1986 Sep;26(9):891–8 (Eng. Abstr.) **(Jpn)**

[Molecular identification of self and non-self; antigen receptor-centered hypothesis based on the degeneracy of specificities] Kumagai Y. **Tanpakushitsu Kakusan Koso** 1986 Jul;31(9 Suppl):813–30 **(Jpn)**

[Role of G0- and G1-splenocytes and antigen-binding lymphocytes in the production of antigen-dependent nonspecific immunoglobulins] Agadzhanian MG, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):589–92 (Eng. Abstr.) **(Rus)**

[Selective induction of 2 separate stages of differentiation in the lymphoblastoid RPMI-6410t cell line: switching of IgM synthesis to IgG or IgA after treatment with human and calf sera] Seregina TM, et al. **Dokl Akad Nauk SSSR** 1987;295(3):763–6 **(Rus)**

[Immunological and electron microscope characteristics of peripheral blood lymphocytes in myeloma disease] Abramenko IB, et al. **Eksp Onkol** 1987;9(1):46–9, 52 (Eng. Abstr.) **(Rus)**

[Isolation from the human peripheral blood of a fraction of mononuclear cells with high cytotoxicity against K-562 and HeLa target cells] Balashov KE, et al. **Eksp Onkol** 1987;9(3):48–51 (Eng. Abstr.) **(Rus)**

[Immunoperoxidase method of determining the surface membrane antigens of normal and leukemic cells using Soviet-produced monoclonal antibodies] Gluzman DF, et al. **Eksp Onkol** 1986;8(6):46–9 (Eng. Abstr.) **(Rus)**

[Monoclonal antibodies to RPMI-1788 lymphoblastoid line cells] Pinchuk VG, et al. **Eksp Onkol** 1986;8(6):41–6 (Eng. Abstr.) **(Rus)**

[Antibody-dependent cytotoxicity of lymphocytes in acute myeloblastic leukemia and chronic myelocytic leukemia] Tishchenko LM, et al. **Eksp Onkol** 1987;9(2):66–7 (Eng. Abstr.) **(Rus)**

[The study of intracellular immunoglobulins by the immunoperoxidase method in lymphoproliferative diseases] Soboleva TN, et al. **Gematol Transfuziol** 1986 Aug; 31(8):27–33 (Eng. Abstr.) **(Rus)**

[The cellular link in the immune system of burn patients] Shkrob LO, et al. **Khirurgiia (Mosk)** 1987 May;(5):93–7 (Eng. Abstr.) **(Rus)**

[Importance of determining indices of humoral and cellular immunity in patients with the edematous form of acute pancreatitis and cholecystopancreatitis] Zakhariia EA, et al. **Lab Delo** 1987;(5):379–81 (Eng. Abstr.) **(Rus)**

[Various indices of the nonspecific immune response of patients with echinococcosis of the lungs] Iskhakova KhI, et al. **Med Parazitol (Mosk)** 1987 Mar–Apr;(2):7–9 (Eng. Abstr.) **(Rus)**

[Study of the mechanism of luminol-dependent chemiluminescence of lymphocytes induced by immune complexes] Karsonova MI, et al. **Mol Gen Mikrobiol Virusol** 1985 May;(5):42–5 (Eng. Abstr.) **(Rus)**

[Effect of Agrobacterium tumefaciens (Smith and Town). Conn. on the functional properties of human blood lymphocytes] Slepukhina LV, et al. **Mol Gen Mikrobiol Virusol** 1985 Aug;(8):35–8 (Eng. Abstr.) **(Rus)**

[Immunocytologic study of the lymph nodes in lymphadenopathies in children] Al'-Zubaidi RA. **Pediatriia** 1987;(2):37–41 (Eng. Abstr.) **(Rus)**

[E-rosette formation and proliferative activity of the lymphocytes of premature and postmature newborn infants] Cheredeev AN, et al. **Pediatriia** 1987;(2):110 **(Rus)**

[A case of erythrophagocytosis by blast cells in children with leukemia] Peterson IS, et al. **Pediatriia** 1986 Jul;(7):71–2 **(Rus)**

[Immunologic phenotype of leukemia cells in children with myelocytic leukemia] Tupitsyn NP, et al. **Pediatriia** 1986 Aug;(8):25–7 (Eng. Abstr.) **(Rus)**

[Status of immunity in essential hypertension] Ananchenko VG, et al. **Sov Med** 1986;(11):3–7 (Eng. Abstr.) **(Rus)**

[Various features of cellular and humoral immunity in viral hepatitis in pregnant women] Musabaev EI, et al. **Sov Med** 1986;(11):86–8 **(Rus)**

[Functional status of lymphocytes in malignant tumors of the ovaries] Sokolova II, et al. **Sov Med** 1986;(9):28–31 (Eng. Abstr.) **(Rus)**

[Induction of the switch in the synthesis of immunoglobulin classes in the RPM 1–6410t lymphoblast cell line and its clones as affected by fetal calf serum factors] Seregina TM, et al. **Tsitologiia** 1986 Aug;28(8):862–9 (Eng. Abstr.) **(Rus)**

[Hybridomas synthesizing monoclonal antibodies to surface antigens of human lymphocytes] Seregina TM, et al. **Tsitologiia** 1986 Sep;28(9):976–80 (Eng. Abstr.) **(Rus)**

[Quantitative indices of the lymphocyte populations and of the T gamma lymphocyte subpopulation in the peripheral blood of patients with atopic dermatitis] Matushevskaia EV, et al. **Vestn Dermatol Venerol** 1986;(8):10–2 (Eng. Abstr.) **(Rus)**

[Skin test with autolymphocytes in syphilis patients] Tseraidi NF. **Vestn Dermatol Venerol** 1986;(11):28–31 (Eng. Abstr.) **(Rus)**

[Role of splenectomy in impairing lymphocyte elimination in patients with lymphogranulomatosis] Kuz'mina EG, et al. **Vopr Onkol** 1986;32(8):65–8 (Eng. Abstr.) **(Rus)**

[Reduced malignancy of hybrids of tumor cells fused with lymph node lymphocytes of syngeneic rats] Zalmanzon ES, et al. **Vopr Onkol** 1987;33(5):62–9 (Eng. Abstr.) **(Rus)**

[Features of changes in various indices of immune reactivity and fibrinolysis in chronic bronchitis patients] Khrenov AA, et al. **Vrach Delo** 1987 Jan;(1):83–5 (Eng. Abstr.) **(Rus)**

[Nonspecific and antigen-specific adhesiveness of circulating lymphocytes in dysentery patients undergoing combined therapy using thymalin and indomethacin] Mats AN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 May;(5):67–71 (Eng. Abstr.) **(Rus)**

[Dynamics of lymphocyte subpopulations, immunoglobulins and specific antibodies in acute brucellosis] Mukovozova LA. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Oct; (10):85–9 (Eng. Abstr.) **(Rus)**

[Effect of mite allergens on the electrophoretic mobility of

guinea pig lymphocytes] Sipitsyna NE, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jun;(6):57–60 (Eng. Abstr.) **(Rus)**

[Study of tonsillar lymphocytes using selective lectin agglutination] Dergenč R, et al. **Srp Arh Celok Lek** 1986 Aug;114(8):725–31 (Eng. Abstr.) **(Sce)**

[The effect of mitogenic substances on the expression of HLA antigens] Muñoz H, et al. **Bratisl Lek Listy** 1986 Oct; 86(4):353–62 (Eng. Abstr.) **(Slo)**

[Effect of hyperlipemia on mitogen-induced blastogenesis in lymphocytes isolated from the rat spleen] Somogyi A, et al. **Allergol Immunopathol (Madr)** 1987 Mar–Apr; 15(2):89–92 (Eng. Abstr.) **(Spa)**

[HTLV III infection and study of lymphocyte populations in 184 hemophiliacs] Butí M, et al. **Med Clin (Barc)** 1987 May 9;88(18):705–7 (Eng. Abstr.) **(Spa)**

METABOLISM

Poly(ADP-ribose) and replicative DNA synthesis studied in permeable mouse thymocytes. Soóki-Tóth A, et al. **Acta Biochim Biophys Hung** 1986;21(4):313–25

Sodium homeostasis in lymphocytes and blood pressure alterations before and during salt restriction in normotensives and in essential hypertensives. Jest P, et al. **Acta Med Scand [Suppl]** 1986;714:75–9

Effect of oral salt loading on blood pressure and lymphocyte sodium metabolism in borderline hypertension. Pedersen KE, et al. **Acta Med Scand [Suppl]** 1986;714:81–5

Lymphocyte analysis in the assessment of total-body burden of trace metals. Wills MR, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:424–6

Cobalamin inactivation decreases purine and methionine synthesis in cultured human lymphoblasts. Boss GR. **Adv Exp Med Biol** 1986;195 Pt B:639–41

Inhibition of de novo purine synthesis by methylthioadenosine. Gordon RB, et al. **Adv Exp Med Biol** 1986;195 Pt B:659–62

Inhibition of RNA synthesis in mouse macrophages and lymphocytes by benzene and its metabolites. Kalf GF, et al. **Adv Exp Med Biol** 1986;197:675–90

The synthesis of phosphoribosylpyrophosphate from glucose decreases during amino acid starvation of human lymphoblasts. Pilz RB, et al. **Adv Exp Med Biol** 1986;195 Pt B:611–4

Characterization of arabinosylguanine resistance in a lymphoblastoid cell line. Shewach DS, et al. **Adv Exp Med Biol** 1986;195 Pt B:605–9

Synthesis and turnover of purine nucleoside phosphorylase in human lymphocytes. Snyder FF, et al. **Adv Exp Med Biol** 1986;195 Pt B:255–8

Increase in incorporation into lymphocytes in vitro of esterified anti-inflammatory corticosteroids. Mizushima Y, et al. **Agents Actions** 1986 Oct;19(1–2):123–6

Distribution of lymphocytes with interleukin-2 receptors (TAC antigens) in reactive lymphoproliferative processes, Hodgkin's disease, and non-Hodgkin's lymphomas. An immunohistologic study of 300 cases. Sheibani K, et al. **Am J Pathol** 1987 Apr;127(1):27–37

Superoxide generation of leukemic cells in children. Okamura J, et al. **Am J Pediatr Hematol Oncol** 1987 Spring;9(1):11–4

Kinase A does not activate phosphatidylinositol phosphorylation in rat lymphocyte membranes. Coco A, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):C883–6

Selective increase in cytoplasmic calcium by anesthetic in lymphocytes from malignant hyperthermia-susceptible pigs. Klip A, et al. **Anesth Analg** 1987 May;66(5):381–5

Cholinergic muscarinic binding by human lymphocytes: changes with aging, antagonist treatment, and senile dementia of the Alzheimer type. Rabey JM, et al. **Ann Neurol** 1986 Nov;20(5):628–31

Adaptation to ethanol in cultured neural cells and human lymphocytes from alcoholics. Gordon AS, et al. **Ann NY Acad Sci** 1987;492:367–74

Melphalan-induced DNA cross-linking in human melanoma cells and phytohaemagglutinin-stimulated lymphocytes in relation to intracellular drug content and cellular levels of glutathione. Hansson J, et al. **Anticancer Res** 1987 Jan–Feb;7(1):97–104

Interferons from mouse lymphocytes produced at various temperatures (26 degrees C and 37 degrees C). Cembrzyńska-Nowak M. **Arch Immunol Ther Exp (Warsz)** 1986;34(5–6):525–32

Familial hypercholesterolaemia: effect of low density lipoproteins on esterification of cholesterol in lymphocytes from homozygous and heterozygous subjects. Hammond KD, et al. **Arch Int Physiol Biochim** 1987 Mar;95(1):75–80

Individual differences in DNA repair capacities in man. Oesch F, et al. **Arch Toxicol [Suppl]** 1987;10:172–9

In vitro synthesis of IgM rheumatoid factor in response to Staphylococcus aureus, by lymphocytes from healthy adults. Goldstein R, et al. **Arthritis Rheum** 1986 Dec; 29(12):1440–5

Abnormal immunoglobulin and rheumatoid factor synthesis by blood lymphocytes in patients with primary Sjögren's syndrome. Rodriguez MA, et al. **Arthritis Rheum** 1986 Dec; 29(12):1446–55

Accessibility of cell surface thiols in human lymphocytes is altered by ionophores or OKT-3 antibody. Balázs M, et al. **Biochem Biophys Res Commun** 1986 Nov 14; 140(3):999–1006

Tyrosine phosphorylation of interleukin 2 receptor-related proteins in phytohemagglutinin-activated human lymphocytes. Ogawa R, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):160–5

Functional incorporation and preferred orientation of phytohemagglutinin receptor glycoproteins in phospholipid vesicles. Dupuis G, et al. **Biochem Cell Biol** 1987 Feb; 65(2):120–9

Changes in cytoplasmic free calcium caused by halothane. Role of the plasma membrane and intracellular Ca2+ stores. Klip A, et al. **Biochem Cell Biol** 1986 Nov; 64(11):1181–9

The human growth hormone receptor of cultured human lymphocytes. Structural characteristics and glycosylation properties. Asakawa K, et al. **Biochem J** 1986 Sep 1; 238(2):379–86

Inhibition of lymphocyte nucleic acid metabolism and antibody production by trimetrexate. Branda RF, et al. **Biochem Pharmacol** 1987 May 15;36(10):1605–12

Transfer ribonucleic acid populations in concanavalin-A-stimulated bovine lymphocytes. Derwenskus KH, et al. **Biochim Biophys Acta** 1986 Nov 13;868(2–3):91–9

Synthesis of purines in human lymphoblast cells deficient in methylthioadenosine phosphorylase activity. Gordon RB, et al. **Biochim Biophys Acta** 1987 Jan 19;927(1):1–7

The effect of insulin, serum and dexamethasone on mRNA levels for the insulin receptor in the human lymphoblastoic cell line IM-9. Maassen JA, et al. **Biochim Biophys Acta** 1987 Aug 19;930(1):72–8

Metabolism of pyrimidine bases and nucleosides by pyrimidine-nucleoside phosphorylases in cultured human lymphoid cells. Pérignon JL, et al. **Biochim Biophys Acta** 1987 Apr 22;928(2):130–6

Identification of phosphorylethanolamine in 31P-NMR spectra of human peripheral blood lymphocytes. Petersen A, et al. **Biochim Biophys Acta** 1986 Oct 10;888(3):282–5

The effect of sulfated polysaccharides on the free intracellular calcium ion concentration of lymphocytes. Tellam RL, et al. **Biochim Biophys Acta** 1987 Aug 19;930(1):55–64

Phospholipid outside-inside translocation in lymphocyte plasma membranes is a protein-mediated phenomenon. Zachowski A, et al. **Biochim Biophys Acta** 1987 Feb 12; 897(1):197–200

Interaction of rat peritoneal macrophages with homologous, sialidase-treated lymphocytes in vitro. Jibril SE, et al. **Biol Chem Hoppe Seyler** 1987 Jul;368(7):819–29

Lymphocyte interleukin 2 production and responsiveness are altered in patients with primary myelodysplastic syndrome. Ayanlar-Batuman O, et al. **Blood** 1987 Aug;70(2):494–500

Quantification of oestradiol binding at the surface of human lymphocytes by flow cytofluorimetry. Tubiana N, et al. **Br J Cancer** 1986 Sep;54(3):501–4

The effects of serum, lithium, ethacrynic acid, and a low external concentration of potassium on specific [3H]-ouabain binding to human lymphocytes after incubation for 3 days. Rapeport WG, et al. **Br J Clin Pharmacol** 1986 Sep;22(3):275–9

Cholinergic muscarinic binding by rat lymphocytes: effects of antagonist treatment, strain and aging. Shenkman L, et al. **Brain Res** 1986 Aug 20;380(2):303–8

Effects of DDT on the calcium transport and thymidine uptake of bovine lymphocytes. McCabe M, et al. **Bull Environ Contam Toxicol** 1986 Oct;37(4):523–30

The synergistic effect of hyperthermia and ethanol on changing gene expression of mouse lymphocytes. Rodenhiser DI, et al. **Can J Genet Cytol** 1986 Dec; 28(6):1115–24

Transferrin receptor expression and the control of cell growth. Neckers LM, et al. **Cancer Invest** 1986;4(5):461–70

Degradation of 1-beta-D-arabinofuranosylcytosine 5'-triphosphate in human leukemic myeloblasts and lymphoblasts. Jamieson GP, et al. **Cancer Res** 1987 Jun 15;47(12):3130–5

Comparison of the stimulation of glycosaminoglycan synthesis in cultures of mononuclear cells from blood and of fibroblastic cells. Anastassiades T, et al. **Cell Differ** 1987 Jun;21(1):37–46

Suppression of DNA synthesis in normal, but not neoplastic, nuclei by cytoplasmic extracts from resting cells. Gutowski JK, et al. **Cell Immunol** 1987 Apr 15;106(1):174–9

Activated human lymphocytes secrete a soluble factor that aggregates leukocytes. Rouveix B, et al. **Cell Immunol** 1986 May;99(2):385–94

Calcium ion influx during mitogenic stimulation of lymphocytes. Komada H, et al. **Cell Struct Funct** 1987 Aug; 12(4):345–55

Relationships between lymphocyte cholesterol homeostasis and LDL-cholesterol. Hambitzer R, et al. **Clin Biochem** 1987 Apr;20(2):97–104

Spontaneous production of B cell growth factors by SLE lymphocytes. Pelton BK, et al. **Clin Exp Immunol** 1987 Jan;67(1):159–66

Uptake of free adenosine and adenosine from adenosine monophosphate by human peripheral blood lymphocytes: possible kinetic role for ecto-5'-nucleotidase in the regulation of intracellular adenosine. Shah T, et al. **Clin Exp Immunol** 1986 Oct;66(1):158–65

Dynamic exercise-induced increase in lymphocyte beta-2-adrenoceptors: abnormality in essential hypertension and its correction by antihypertensives. Brodde OE, et al. **Clin Pharmacol Ther** 1987 Apr; 41(4):371–9

Enhancement of specific [3H]ouabain binding and ouabain sensitive 86rubidium influx in intact human lymphocytes by a dialysable factor in human and fetal calf serum. Oh VM, et al. **Clin Sci** 1987 Jan;72(1):71–9

Effects of heparin on insulin binding and biological activity. Kriauciunas KM, et al. **Diabetes** 1987 Feb;36(2):163–8

Vimentin gene: expression in human lymphocytes and in Burkitt's lymphoma cells. Lilienbaum A, et al. **EMBO J** 1986 Nov;5(11):2809–14

Calcium regulates inositol 1,3,4,5-tetrakisphosphate production in lysed thymocytes and in intact cells stimulated with concanavalin A. Zilberman Y, et al. **EMBO J** 1987 Apr;6(4):957–62

Analysis of thyroglobulin antibody synthesis by cultured peripheral blood lymphocytes from patients with Hashimoto's thyroiditis using biotin-avidin solid phase enzyme immuno-assay. Hirose W, et al. **Endocrinol Jpn** 1986 Aug;33(4):489–96

Comparative binding of wheat germ agglutinin and its succinylated form on lymphocytes. Moullier P, et al. **Eur J Biochem** 1986 Nov 17;161(1):197–204

Differences in cleavage of untreated and adriamycin-treated chromatin from normal and leukemic human cells by site non-specific endoribonucleases [letter] Chen SG, et al. **Eur J Cancer Clin Oncol** 1986 Dec;22(12):1533–7

Impaired DNA-repair synthesis in lymphocytes of breast cancer patients. Kovacs E, et al. **Eur J Cancer Clin Oncol** 1986 Jul;22(7):863–9

Haemodynamic, metabolic, and lymphocyte beta 2-adrenoceptor changes following chronic beta-adrenoceptor antagonism. Whyte K, et al. **Eur J Clin Pharmacol** 1987;32(3):237–43

Serum deoxythymidine kinase correlates with peripheral lymphocyte thymidine uptake in chronic lymphocytic leukemia. Källander CF, et al. **Eur J Haematol** 1987 Apr; 38(4):331–7

IgE receptors on human lymphocytes. III. Expression of IgE receptors on mitogen-stimulated human mononuclear cells. Delespesse G, et al. **Eur J Immunol** 1986 Sep;16(9):1043–7

Modulation of c-fos and c-myc mRNA levels in normal human lymphocytes by calcium ionophore A23187 and phorbol ester. Grausz JD, et al. **Eur J Immunol** 1986 Oct; 16(10):1217–21

Inhibition of lymphocyte DNA synthesis by plasma from patients with Kawasaki disease. Hirao J, et al. **Eur J Pediatr** 1986 Dec;145(6):517–21

Adhesion of lymphoid cell lines to fibronectin-coated substratum: biochemical and physiological characterization and the identification of a 140-kDa fibronectin receptor. Liao NS, et al. **Exp Cell Res** 1987 Aug;171(2):306–20

Effect of cytochalasins on cytosolic-free calcium concentration and phosphoinositide metabolism in leukocytes. Treves S, et al. **Exp Cell Res** 1987 Feb; 168(2):285–98

Expression of intracellular biochemical defects of lymphocytes in aging: proposal of a general aging mechanism which is not cell-specific. Tollefsbol TO, et al. **Exp Gerontol** 1986;21(3):129–48 (127 ref.)

DNA content of lymphocytes in adjuvant arthritis of rats. Skřivánkova B, et al. **Exp Pathol** 1986;30(4):243–6

The behaviour of 6-keto PGF1 alpha and TXB2 concentrations in the culture supernatant of chronic lymphocytic leukaemia cells. Giedrojć J. **Folia Haematol (Leipz)** 1987;114(1):111–6

Proliferation and immunoglobulin synthesis of peripheral blood mononuclear cells from patients with chronic liver disease stimulated by Staphylococcus aureus Cowan 1 and interleukin 2. Kakumu S, et al. **Gastroenterol Jpn** 1987 Jun; 22(3):337–43

Somatomedin production and response to mitogen by lymphocytes in children with growth hormone deficiency. Rao JK, et al. **Growth** 1986 Winter;50(4):456–60

Growth hormone-induced regulation of rRNA gene activity in human cultured cells. de Capoa A, et al. **Horm Metab Res** 1986 Aug;18(8):574–5

Internalization and degradation of glucagon by human mononuclear cells. Neal GW, et al. **Horm Metab Res** 1986 Aug;18(8):540–5

Regulation of the glucocorticoid receptor by glucocorticoids in human mononuclear leukocytes. Brentani MM, et al. **Horm Res** 1986;24(1):9–17

The capacity of lymphokine production by peripheral blood lymphocytes from aged humans. Chen WF, et al. **Immunol Invest** 1986 Oct;15(6):575–83

Replacement of transferrin in serum-free cultures of mitogen-stimulated mouse lymphocytes by a lipophilic iron chelator. Brock JH, et al. **Immunol Lett** 1987 May; 15(1):23–5

Alpha 1-acid glycoprotein (alpha 1-AGP) on the membrane of human lymphocytes: possible involvement in cellular activation. Dirienzo W, et al. **Immunol Lett** 1987 Jun; 15(2):167–70

Effects of concanavalin A, phytohemagglutinin, pokeweed mitogen, and lipopolysaccharide on the replication and immunoglobulin synthesis by canine peripheral blood lymphocytes in vitro. Letwin BW, et al. **Immunol Lett** 1987 Jan;14(2):79–85

Activities of purine metabolising enzymes in lymphocytes of neonates and young children: correlates with immune function. Renouf JA, et al. **Immunol Lett** 1987 Jun; 15(2):161–6

Preferential utilisation of deoxycytidine by undifferentiated (peanut positive) tonsillar lymphocytes. Taljanidisz J, et

al. **Immunol Lett** 1987 Jun;15(2):109–15

The IgA subclass responses of human lymphocytes to B-cell activators. Walker L, et al. **Immunol Lett** 1986 Nov 17; 14(1):65–8

Enhancement of leukocyte membrane receptor expression after mechanical agitation. Naess A, et al. **Int Arch Allergy Appl Immunol** 1986;81(3):235–7

Specific uptake of alpha-fetoprotein by malignant human lymphoid cells. Laborda J, et al. **Int J Cancer** 1987 Sep 15;40(3):314–8

Glucocorticoid receptors in thromboangiitis obliterans. Krasznai A, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Jul;25(7):363–5

Evidence for serotonin (5HT) binding sites on murine lymphocytes. Bonnet M, et al. **Int J Immunopharmacol** 1987;9(5):551–8

Expression of muscarinic cholinergic receptors on lymphocytes during rheumatoid arthritis. Laskowska-Bożek H, et al. **Int J Tissue React** 1986; 8(6):475–83

The magnitude of the spontaneous production of histamine-releasing factor (HRF) by lymphocytes in vitro correlates with the state of bronchial hyperreactivity in patients with asthma. Alam R, et al. **J Allergy Clin Immunol** 1987 Jan;79(1):103–8

Status of the mononuclear blood cell magnesium assay. Elin RJ. **J Am Coll Nutr** 1987 Apr;6(2):105–7

Kinetics of erythromycin uptake and release by human lymphocytes and polymorphonuclear leucocytes. Dette GA, et al. **J Antimicrob Chemother** 1986 Jul;18(1):73–82

Transcription and post-transcriptional regulation of avian HSP70 gene expression. Banerji SS, et al. **J Biol Chem** 1986 Nov 25;261(33):15740–5

Provision of cholesterol to lymphocytes by high density and low density lipoproteins. Requirement for low density lipoprotein receptors. Cuthbert JA, et al. **J Biol Chem** 1987 Jun 5;262(16):7808–18

Myristyl and palmityl acylation of the insulin receptor. Hedo JA, et al. **J Biol Chem** 1987 Jan 25;262(3):954–7

3'-azido-3'-deoxythymidine. An unusual nucleoside analogue that permeates the membrane of human erythrocytes and lymphocytes by nonfacilitated diffusion. Zimmerman TP, et al. **J Biol Chem** 1987 Apr 25; 262(12):5748–54

Effect of propranolol, alprenolol, pindolol, and bopindolol on beta 2-adrenoceptor density in human lymphocytes. Brodde OE, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 6:S70–3

The mechanism of Ca2+i increase in blood cells of spontaneously hypertensive rats. Bruschi G, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 8:S139–44

Thrombin-induced thromboxane generation by neutrophils and lymphocytes: dependence on enzymic site. Bizios R, et al. **J Cell Physiol** 1987 Aug;132(2):359–62

Disparity between expression of transferrin receptor ligand binding and non-ligand binding domains on human lymphocytes. Boldt DH, et al. **J Cell Physiol** 1987 Aug; 132(2):331–6

Structural and immunological characterization of insulin-like growth factor II binding to IM-9 cells. Misra P, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1400–5

25-Hydroxyvitamin D3 metabolism by human T-lymphotropic virus-transformed lymphocytes. Reichel H, et al. **J Clin Endocrinol Metab** 1987 Sep;65(3):519–26

Primary cortisol resistance associated with a thermolabile glucocorticoid receptor in a patient with fatigue as the only symptom. Brönnegård M, et al. **J Clin Invest** 1986 Nov; 78(5):1270–8

Expression of c-myc proto-oncogene in normal human lymphocytes. Regulation by transcriptional and posttranscriptional mechanisms. Reed JC, et al. **J Clin Invest** 1987 Jul;80(1):101–6

Steroid-sensitive mechanism of soluble immune response suppressor production in steroid-responsive nephrotic syndrome. Schnaper HW, et al. **J Clin Invest** 1987 Jan; 79(1):257–64

Interaction between lymphocytes and platelets in the synthesis of prostacyclin. Wu KK, et al. **J Clin Invest** 1987 Jun;79(6):1601–6

Estrogen binding sites in peripheral blood mononuclear cells and thymocytes from 2 myasthenia gravis patients. Carbone A, et al. **J Clin Lab Immunol** 1986 Oct;21(2):87–91

The capacity of blood lymphoid cells to produce alpha- and gamma-interferon is decreased during alpha-interferon therapy. Einhorn S, et al. **J Clin Lab Immunol** 1987 May; 23(1):35–8

In vitro IgE production by peripheral blood lymphocytes and rectal mucosal biopsies and antigen-induced basophil degranulation in patients with inflammatory bowel disease. Smart C, et al. **J Clin Lab Immunol** 1986 Aug;20(4):183–5

Regulation of hormone-stimulated cyclic AMP accumulation in intact human mononuclear leukocytes by blood plasma. Motulsky HJ, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1986; 11(5):329–43

Effect of a non-viral fraction of acquired immunodeficiency syndrome plasma on the vulnerability of lymphocytes to cortisol. Klein A, et al. **J Endocrinol** 1987 Feb; 112(2):259–64

Independent regulation of tumor necrosis factor and lymphotoxin production by human peripheral blood lymphocytes. Cuturi MC, et al. **J Exp Med** 1987 Jun 1; 165(6):1581–94

Cytoplasmic [Ca2+] and intracellular pH in lymphocytes. Role of membrane potential and volume-activated Na+/H+ exchange. Grinstein S, et al. **J Gen Physiol** 1987 Feb;89(2):185–213

Genetic relationship between a lymphocyte membrane abnormality and blood pressure in spontaneously hypertensive stroke prone and Wistar-Kyoto rats. Furspan PB, et al. **J Hypertens** 1987 Jun;5(3):293–7

Lymphocyte beta 2-adrenoceptors mirror precisely beta 2-adrenoceptor, but poorly beta 1-adrenoceptor changes in the human heart. Michel MC, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S215–8

Human large granular lymphocytes express high affinity receptors for murine monoclonal antibodies of the IgG3 subclass. Anasetti C, et al. **J Immunol** 1987 May 1; 138(9):2979–81

Pyridine nucleotide cycling and poly(ADP-ribose) synthesis in resting human lymphocytes. Carson DA, et al. **J Immunol** 1987 Mar 15;138(6):1904–7

Characteristics of calmodulin binding to purified human lymphocyte plasma membranes. Lee TP, et al. **J Immunol** 1987 Jul 1;139(1):42–8

Down-regulation of interleukin 1 (IL 1) receptor expression by IL 1 and fate of internalized 125I-labeled IL 1 beta in a human large granular lymphocyte cell line. Matsushima K, et al. **J Immunol** 1986 Nov 15;137(10):3183–8

Removal of lymphocyte surface molecules with phosphatidylinositol-specific phospholipase C: effects on mitogen responses and evidence that ThB and certain Qa antigens are membrane-anchored via phosphatidylinositol. Stiernberg J, et al. **J Immunol** 1987 Jun 1;138(11):3877–84

Binding and mitogenic properties of a galactosyl-specific lectin from the tunicate Didemnum candidum for murine thymocytes and splenocytes. Vasta GR, et al. **J Immunol** 1986 Nov 15;137(10):3216–23

An immunofluorescent method for identifying individual IFN-gamma-producing lymphocytes. Laskay T, et al. **J Immunol Methods** 1986 Dec 4;95(1):1–7

Binding of toxic-shock-syndrome toxin-1 to human peripheral blood mononuclear cells. Poindexter NJ, et al. **J Infect Dis** 1987 Jul;156(1):122–9

Intracellular activity of HPRT Cape Town: purine uptake and growth of cultured cells in selective media. Steyn LM, et al. **J Inherited Metab Dis** 1985;8(4):198–203

Production of interferon by peripheral blood mononuclear cells from normal individuals and patients with chronic lymphocytic leukemia. Fernandez RC, et al. **J Interferon Res** 1986 Oct;6(5):573–80

Human monocytes and lymphocytes produce different mixtures of alpha-interferon subtypes. Goren T, et al. **J Interferon Res** 1986 Aug;6(4):323–9

1,25-Dihydroxyvitamin D3 receptors in lymphocytes from patients with rheumatoid arthritis. Manolagas SC, et al. **J Lab Clin Med** 1986 Dec;108(6):596–600

Nitroblue tetrazolium reduction in lymphocytes. Melinn M, et al. **J Leukocyte Biol** 1987 Apr;41(4):325–9

Dietary copper deficiency alters protein and lipid composition of murine lymphocyte plasma membranes. Korte JJ, et al. **J Nutr** 1987 Jun;117(6):1076–84

The redox state in lymphocytes from patients with rheumatoid arthritis. Chapman ML, et al. **J Rheumatol** 1986 Oct;13(5):850–2

Glucocorticoid receptors bound to the antagonist RU486 are not downregulated despite their capacity to interact in vitro with defined gene regions. Rajpert EJ, et al. **J Steroid Biochem** 1987 May;26(5):513–20

Prolactin binding sites in human erythrocytes and lymphocytes. Bellussi G, et al. **Life Sci** 1987 Aug 24; 41(8):951–9

Cyclic adenosine 3',5'-monophosphate response to dopamine in mouse lymphoid cells and cell lines. Kouassi E, et al. **Life Sci** 1987 Jun 22;40(25):2385–92

Specific high-affinity binding sites for a synthetic gliadin heptapeptide on human peripheral blood lymphocytes. Payan DG, et al. **Life Sci** 1987 Mar 23;40(12):1229–36

Temperature-dependent binding of hydrophilic beta-adrenergic receptor ligands to intact human lymphocytes. Thede-Reynolds KR, et al. **Life Sci** 1986 Oct 13;39(15):1325–34

A perfusion technique for 13C NMR studies of the metabolism of 13C-labeled substrates by mammalian cells. Lyon RC, et al. **Magn Reson Med** 1986 Oct;3(5):663–72

Values reported for the three inorganic elements in lymphocytes' [letter] Elin RJ, et al. **Magnesium** 1987; 6(3):165–8

The metabolic behaviour of the cellular populations in the pleural or peritoneal effusions from patients with malignant diseases. Mihăilescu E, et al. **Med Interne** 1986 Jul-Sep; 24(3):227–33

In vitro interferon production: induction in human leukocytes after exposure to cytomegalovirus antigens. Lun MT, et al. **Microbiologica** 1986 Oct;9(4):399–404

Increase in the levels of activity of polyadenylic acid-metabolizing enzymes following phytohaemagglutinin stimulation of human lymphocytes. Courtis NC, et al. **Mol Cell Biochem** 1987 May;75(1):33–42

The effects of aging on phosphofructokinase induction during lymphocyte mitogenesis in relation to DNA and protein synthesis. Tollefsbol TO, et al. **Mol Cell Biochem** 1987 Jun; 75(2):113–22

Detection of c-rel-related transcripts in mouse hematopoietic tissues, fractionated lymphocyte populations, and cell lines. Brownell E, et al. **Mol Cell Biol** 1987 Mar;7(3):1304–9

An Epstein-Barr virus transforming protein associates with vimentin in lymphocytes. Liebowitz D, et al. **Mol Cell Biol** 1987 Jul;7(7):2299–308

Beta-adrenergic receptors on lymphoblasts. A study of manic-depressive illness. Berrettini WH, et al. **Neuropsychobiology** 1987;17(1-2):15–8

Lack of effect of chronic imipramine administration on beta-adrenoceptor density on rat lymphocytes. Chalecka-Franaszek E, et al. **Pol J Pharmacol Pharm** 1986 Jul-Aug;38(4):385–90

Pathological regulation of arachidonic acid release in cystic fibrosis: the putative basic defect. Carlstedt-Duke J, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9202–6

Homologous down-regulation of the insulin receptor is associated with increased receptor biosynthesis in cultured human lymphocytes (IM-9 line). Rouiller DG, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):126–30

The p75 peptide is the receptor for interleukin 2 expressed on large granular lymphocytes and is responsible for the interleukin 2 activation of these cells. Tsudo M, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5394–8

DNA synthesis and interferon release by human peripheral lymphocytes exposed to high potassium medium. Viti A, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):133–7

Beta-adrenoceptors on lymphocytes of patients with major depressive disorder. Carstens ME, et al. **Psychiatry Res** 1987 Mar;20(3):239–48

Metabolism of 2-acetylaminofluorene in cultured human lymphocytes. McManus ME, et al. **Res Commun Chem Pathol Pharmacol** 1987 Mar; 55(3):409–18

Purine synthesis de novo in cultured lymphoblast cells derived from patients with gout. Gordon RB, et al. **Rheumatol Int** 1987;7(1):1–6

Effects of sodium and potassium adenosine-triphosphatase on circulating lymphocytes: an approach to human obesity. Bozzo C, et al. **Ric Clin Lab** 1986 Oct-Dec;16(4):555–61

Kinetic analysis of interleukin 2 (IL-2) production and expression of IL-2 receptors by uraemic and normal lymphocytes. Langhoff E, et al. **Scand J Immunol** 1987 Jan;25(1):29–36

Kinetics of Ca2+ uptake into lectin-induced secondary lymphocytes during reactivation with concanavalin A or interleukin 2. Wolff CH. **Scand J Immunol** 1987 Jul; 26(1):7–10

Circadian and seasonal variations of glucocorticoid receptors in normal human lymphocytes. Schlaghecke R, et al. **Steroids** 1986 Apr-May;47(4-5):287–94

Histamine type-2 receptor antagonist immune modulation. II. Cimetidine and ranitidine increase interleukin-2 production. Gifford RR, et al. **Surgery** 1987 Aug; 102(2):242–7

Control of glucose-6-phosphate dehydrogenase deficiency on the formation of mutagenic and carcinogenic metabolites derived from benzo(a)pyrene. Pirisi L, et al. **Toxicol Pathol** 1987;15(1):115–9

Effects of cyclosporine metabolites M17 and M18 on proliferation and interleukin 2 production in the mixed lymphocyte culture. Freed BM, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1223–6

Development of optimal conditions for lymphokine production by chicken lymphocytes. Weiler H, et al. **Vet Immunol Immunopathol** 1987 Mar;14(3):257–67

Lymphocyte hybridomas: monoclonal antibodies and more. LeBlanc PA. **Year Immunol** 1986;2:187–94 (35 ref.)

[The effect of triiodothyronine on the beta adrenergic receptor system in human lymphocytes] Nedvídková J, et al. **Cas Lek Cesk** 1986 Aug 15;125(33):1035–8 (Eng. Abstr.) **(Cze)**

[Interferon formation in hairy cell leukemia] Vaněček K, et al. **Cas Lek Cesk** 1987 Jan 23;126(4):110–2 (Eng. Abstr.) **(Cze)**

[Effect of long-lasting exertion of warm-blooded horses on membrane lipid synthesis in lymphocyte cultures] Hambitzer R, et al. **Zentralbl Veterinarmed [A]** 1986 Nov; 33(9):668–73 (Eng. Abstr.) **(Ger)**

[Biochemical aspects of lymphocyte metabolism. Immunomodulating role of cyclic nucleotides] Cedola MC, et al. **Boll Ist Sieroter Milan** 1986;65(5):325–31 (Eng. Abstr.) **(Ita)**

[Cell membrane fluidity of lymphocytes in asthmatic patients] Iizuka K, et al. **Arerugi** 1986 Jun;35(6):387–92 (Eng. Abstr.) **(Jpn)**

[A rapid mixed lymphocyte reaction based on lymphocyte protein synthesis] Kanda H. **Nippon Hinyokika Gakkai Zasshi** 1987 Jan;78(1):1–11 (Eng. Abstr.) **(Jpn)**

[Studies on the glucocorticoid receptor in human peripheral lymphocytes. II. Regulation by glucocorticoid] Oshima H. **Nippon Naibunpi Gakkai Zasshi** 1986 Nov 20; 62(11):1298–305 (Eng. Abstr.) **(Jpn)**

[Studies on the glucocorticoid receptor in human peripheral lymphocytes. III. Correlation between receptor number and clinical response to glucocorticoid] Oshima H. **Nippon Naibunpi Gakkai Zasshi** 1986 Nov 20; 62(11):1306–14 (Eng. Abstr.) **(Jpn)**

[Studies on the glucocorticoid receptor in human peripheral lymphocytes. I. Fundamental investigation on the method of measurement of the glucocorticoid receptor in whole cell and nucleus] Oshima H.

Nippon Naibunpi Gakkai Zasshi 1986 Nov 20; 62(11):1289–97 (Eng. Abstr.) **(Jpn)**

[Tumor growth inhibitory factor (S) produced by lymphocytes in cancer patients with long–term OK–432 therapy] Katano M. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep;83(9):2088 **(Jpn)**

[Association between uptake to lymphocytes from schizophrenic patients and therapeutic efficacy] Shimogawa S, et al. **Yakubutsu Seishin Kodo** 1986 Jun; 6(2):239–46 (Eng. Abstr.) **(Jpn)**

[Cyclic nucleotides and prostaglandins E in the supernatant of cell cultures of myeloblastic, myelocytic and lymphocytic leukemias] Kiersnowska–Rogowska B, et al. **Pol Tyg Lek** 1987 Apr 27;42(17):500–2 **(Pol)**

[Structural properties of leukemic and normal lymphoid cells] Svirnovskii AI, et al. **Biofizika** 1986 Jul–Aug;31(4):638–42 (Eng. Abstr.) **(Rus)**

[Role of the membranes in lymphocyte interaction with mycoplasmas] Rakovskaia IV, et al. **Biol Nauki** 1986; (11):25–30 (Eng. Abstr.) **(Rus)**

[Suppression of DNA synthesis in lymphocytes by UV–irradiated plasma] Volgareva EV, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):205–6 (Eng. Abstr.) **(Rus)**

[Disorders of repair processes in the lymphocytes of schizophrenia patients, cultured in vitro] Zharikov NM, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):667–9 (Eng. Abstr.) **(Rus)**

[Changes in the characteristics of glucocorticoid hormone binding in human peripheral blood lymphocytes during myocardial infarct] Shartava ASh, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1986;9(2):96–100 (Eng. Abstr.) **(Rus)**

[Intensity of the synthesis of RNA precursors in blood lymphocytes of cattle infected with leukemia virus] Kuznetsova NV, et al. **Eksp Onkol** 1987;9(2):30–3 (Eng. Abstr.) **(Rus)**

[Value of the studies of blast cells of the blood and bone marrow using complex cytochemical, immunologic and biochemical methods in the diagnosis of the variants and subvariants of acute leukemia] Tsveĭbakh AS, et al. **Gematol Transfuziol** 1986 Sep;31(9):3–7 (Eng. Abstr.) **(Rus)**

[Study of the effect of parotitis vaccine on DNA repair in human lymphocytes] Antonenko SV, et al. **Mol Gen Mikrobiol Virusol** 1985 Jun;(6):41–4 (Eng. Abstr.) **(Rus)**

[Diagnosis of bacterial infections in premature infants during the neonatal period by the technic of quantitative fluorescence microscopy] Karachunskiĭ AI, et al. **Pediatriia** 1987;(2):67–72 **(Rus)**

[Unscheduled DNA synthesis in human peripheral blood lymphocytes undergoing combined exposure to gamma irradiation and methylmethane sulfonate] Genter EI, et al. **Tsitologiia** 1986 Oct;28(10):1091–6 (Eng. Abstr.) **(Rus)**

[Effect of alpha–thrombin on DNA synthesis and excretion by lymphocytes] Barkovskiĭ EV. **Ukr Biokhim Zh** 1987 Mar–Apr;59(2):33–9 (Eng. Abstr.) **(Rus)**

[Effect of proteolytic enzymes on cyclic nucleotide levels and DNA synthesis in lymphocytes] Barkovskiĭ EV. **Ukr Biokhim Zh** 1986 Nov–Dec;58(6):23–7 (Eng. Abstr.) **(Rus)**

[Effect of SH–reagents on Ca2+ level in lymphocyte cytoplasm] Gukovskaia AS, et al. **Ukr Biokhim Zh** 1987 May–Jun;59(3):39–42 (Eng. Abstr.) **(Rus)**

[Biochemical and functional characteristics of thymus and spleen lymphocytes in C3HA mice during the growth of hepatoma 22 and after immunization with sheep erythrocytes] Khramtsova SN, et al. **Vopr Med Khim** 1986 Jul–Aug;32(4):117–22 (Eng. Abstr.) **(Rus)**

[Adenosine metabolism in lymphocytes and neurochemical stressor reactions in mice with metastatic Lewis carcinoma after surgical removal of the tumor] Shmal'ko IuP, et al. **Vopr Med Khim** 1986 Nov–Dec;32(6):25–9 (Eng. Abstr.) **(Rus)**

[Effect of lithium carbonate on the lymphocytes of epileptics] Khudgarian MV, et al. **Zh Nevropatol Psikhiatr** 1987; 87(6):863–6 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Detection of human immunosuppressive virus in salivary lymphocytes from dental patients with AIDS [letter] Pekovic D, et al. **Am J Med** 1987 Jan;82(1):188–9

In vitro viral expression as a criterion for development of control procedures for enzootic bovine leukosis. Weber AF, et al. **Am J Vet Res** 1987 Jun;48(6):899–903

Cell invasiveness of Proteus mirabilis and Proteus vulgaris strains. Różalski A, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(5–6):505–12

Susceptibility of chicken blood lymphoblasts and monocytes to infectious bursal disease virus (IBDV). Burkhardt E, et al. **Arch Virol** 1987;94(3–4):297–303

Simultaneous isolation of simian foamy virus and HTLV–III/LAV from chimpanzee lymphocytes following HTLV–III or LAV inoculation. Nara PL, et al. **Arch Virol** 1987;92(1–2):183–6

Cultivation of avian rotaviruses in chicken lymphocytes and lymphoblastoid cell lines. Schat KA, et al. **Arch Virol** 1987; 94(3–4):205–13

Increased susceptibility of peripheral mononuclear cells of leukemic patients to HTLV–I infection in vitro. Graziani G, et al. **Blood** 1987 Apr;69(4):1175–81

Frequent lymphocytes infection by hepatitis B virus in haemophiliacs. Lauré F, et al. **Br J Haematol** 1987 Feb; 65(2):181–5

Interactions between normal lymphoid cells and HTLV–I producer cells. Sugita K. **Bull Osaka Med Sch** 1985 Oct; 31(2):57–67

Inhibition by antibiotics of Rb Salmonella binding to human peripheral blood lymphocytes. Antonaci S, et al. **Immunopharmacology** 1986 Aug;12(1):23–8

Experimental inoculation of monkeys with autologous lymphoid cell lines immortalized by and producing human T–cell leukemia virus type–I. Nakamura H, et al. **Int J Cancer** 1986 Dec 15;38(6):867–75

DNA synthesis inhibitors suppress expression of Epstein–Barr virus in chemically activated human lymphoblastoid cells. Kawanishi M, et al. **Intervirology** 1986;25(4):223–31

Comparative studies on use of fresh and frozen peripheral blood lymphocyte specimens for isolation of human immunodeficiency virus and effects of cell lysis on isolation efficiency. Gallo D, et al. **J Clin Microbiol** 1987 Jul; 25(7):1291–4

Detection of human immunodeficiency virus by reverse transcriptase assay, antigen capture assay, and radioimmunoassay. Gupta P, et al. **J Clin Microbiol** 1987 Jun;25(6):1122–5

Demonstration of bovine viral diarrhoea virus in peripheral blood mononuclear cells of persistently infected, clinically normal cattle. Bielefeldt Ohmann H, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):1971–82

The effect of antibody on rubella virus infection in human lymphoid cells. Chantler JK, et al. **J Gen Virol** 1987 May; 68 (Pt 5):1277–88

Detection of Epstein–Barr virus strain variants in lymphoblastoid cell lines 'spontaneously' derived from patients with rheumatoid arthritis, infectious mononucleosis and normal controls. Sculley TB, et al. **J Gen Virol** 1987 Aug;68 (Pt 8):2069–78

Epstein–Barr virus–specific transcription in normal and malignant nasopharyngeal biopsies and in lymphocytes from healthy donors and infectious mononucleosis patients. Tugwood JD, et al. **J Gen Virol** 1987 Apr;68 (Pt 4):1081–91

Double–immunolabeling systems for phenotyping of immune cells harboring bovine viral diarrhea virus. Bielefeldt Ohmann H. **J Histochem Cytochem** 1987 Jun;35(6):627–33

Use of cytoplasmic dot–blot hybridization to detect human immunodeficiency virus RNA sequences in cultures of peripheral blood. Monroe JE, et al. **J Infect Dis** 1987 Feb; 155(2):320–2

Detection of varicella–zoster virus in lymphocytes by DNA hybridization. Vonsover A, et al. **J Med Virol** 1987 Jan; 21(1):57–66

Differences among human immunodeficiency virus strains in their capacities to induce cytolysis or persistent infection of a lymphoblastoid cell line immortalized by Epstein–Barr virus. Dahl K, et al. **J Virol** 1987 May;61(5):1602–8

Productive infection of cultured human lymphoid cells by adenovirus. Lavery D, et al. **J Virol** 1987 May; 61(5):1466–72

Metabolic activation of 9[2–hydroxy–1–(hydroxymethyl)ethoxy]methyl)guanine in human lymphoblastoid cell lines infected with Epstein–Barr virus. Lin JC, et al. **J Virol** 1986 Nov; 60(2):569–73

A major mechanism of human immunodeficiency virus–induced cell killing does not involve cell fusion. Somasundaran M, et al. **J Virol** 1987 Oct;61(10):3114–9

Isolation of measles virus in Vero cell cultures from the washed lymphocytic fraction of peripheral blood. Nakagawa M, et al. **Kitasato Arch Exp Med** 1985 Dec; 58(4):111–5

Isolation of HTLV III/LAV from drug addicts in Palermo. Romano N, et al. **Microbiologica** 1987 Jan;10(1):73–80

HBLV (or HHV–6) in human cell lines [letter] Ablashi DV, et al. **Nature** 1987 Sep 17–23;329(6136):207

Transfection of human lymphocytes with cloned Epstein–Barr virus (EBV) DNA. Bartsch D, et al. **Virology** 1987 Mar;157(1):58–66

Adherence of Lyme disease spirochetes to rat lymphocytes. Fumarola D, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):146–50

The role of lipids in the interaction of Acholeplasma laidlawii cells with lymphocytes. Maltsev AV, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Apr; 264(1–2):145–53

[Isolation of lymphocyte cultures from leukemic cattle and electron microscopic study of the leukemia virus] Genov I, et al. **Vet Med Nauki** 1986;23(7):3–12 (Eng. Abstr.) **(Bul)**

[Functional inhibition by cyclosporin A of the lymphocyte receptor for the AIDS virus (HIV)] Klatzmann D, et al. **C R Acad Sci [III]** 1986;303(9):343–8 (Eng. Abstr.) **(Fre)**

[Demonstration of the expression of bovine leukemogenic virus (BLV) in sheep lymphocytes by an immunofluorescence technic using monoclonal antibodies] Djilali S, et al. **Comp Immunol Microbiol Infect Dis** 1986; 9(4):317–23 (Eng. Abstr.) **(Fre)**

[Lymphocytic interstitial pneumopathy in AIDS–related complex. Presence of the LAV virus in the bronchoalveolar lavage fluid] Ziza JM, et al. **Presse Med** 1986 Jul 5–12;15(27):1267–9 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

Penetration of chicken peripheral blood lymphocytes by Eimeria acervulina sporozoites. Pittilo RM, et al. **Ann Trop Med Parasitol** 1986 Oct;80(5):569–71

Isolation of Theileria parva lawrencei–infected lymphoid cell lines from free–ranging African buffaloes (Syncerus caffer). Stagg DA, et al. **Res Vet Sci** 1987 Jul;43(1):124–6

Cryopreservation of Theileria–infected lymphoblastoid cells with functional assessment of viability. Wathanga JM, et al. **Trop Anim Health Prod** 1986 Nov;18(4):191–7

Invasion and intracellular development of Theileria annulata sporozoites in lymphoblastoid cell lines already transformed by T. annulata (Hissar), T. annulata (Ankara) and T. parva (Muguga). Jura WG. **Vet Parasitol** 1986 Dec; 22(3–4):203–14

In vitro susceptibility of different mammalian lymphocytes to sporozoites of Theileria annulata. Steuber S, et al. **Z Parasitenkd** 1986;72(6):831–4

PATHOLOGY

Automated cytochemistry in non–Hodgkin's lymphoma: a new method for determination of cells from lymph node biopsy. Bunyaratvej A, et al. **Acta Haematol (Basel)** 1986; 75(4):199–202

Alveolar lymphocyte proliferation induced by Propionibacterium acnes in sarcoidosis patients. Nakata Y, et al. **Acta Med Okayama** 1986 Oct;40(5):257–64

Serum immunoglobulins and lymphocyte subsets in chronic lymphocytic leukemia. Davey FR, et al. **Am J Clin Pathol** 1987 Jan;87(1):60–5

The H–RS–like cells in infectious mononucleosis are transformed interdigitating reticulum cells. Hsu SM, et al. **Am J Pathol** 1987 May;127(2):403–8

Systemic mononuclear–cell vasculitis in MRL/Mp–lpr/lpr mice. A histologic and immunocytochemical analysis. Moyer CF, et al. **Am J Pathol** 1987 May;127(2):229–42

An immunohistochemical study of thymic epithelial tumors. II. Lymphoid component. Sato Y, et al. **Am J Surg Pathol** 1986 Dec;10(12):862–70

Lymphocyte–associated apoptosis in AIDS, in bone–marrow transplantation, and other conditions [letter] Slavin RE. **Am J Surg Pathol** 1987 Mar;11(3):235–8

Mast cells, atypical lymphocytes, and neutrophils in bronchoalveolar lavage in extrinsic allergic alveolitis. Comparison with other interstitial lung diseases. Haslam PL, et al. **Am Rev Respir Dis** 1987 Jan;135(1):35–47

Lymphocytosis, azurophilic granulation, and polyarthritis [letter] Pedro–Botet ML, et al. **Ann Intern Med** 1987 Feb; 106(2):330

Flow cytometric measurement of rat lymphocyte subpopulations after burn injury and burn injury with infection. Burleson DG, et al. **Arch Surg** 1987 Feb; 122(2):216–20

Morphological abnormalities in the lymphocytes of patients with the Wiskott–Aldrich syndrome. Kenney D, et al. **Blood** 1986 Dec;68(6):1329–32

Malignant clonal expansion of large granular lymphocytes with a Leu–11+, Leu–7– surface phenotype: in vitro responsiveness of malignant cells to recombinant human interleukin 2. Koizumi S, et al. **Blood** 1986 Nov; 68(5):1065–73

Adult–onset cyclic neutropenia is associated with increased large granular lymphocytes. Loughran TP Jr, et al. **Blood** 1986 Nov;68(5):1082–7

Clinical relevance of peripheral blood lymphocyte morphology and lymph node histology in chronic lymphocytic leukemia. Dominis M, et al. **Blood Cells** 1987; 12(2):297–313

A review of the prognostic role of cytogenetic, phenotypic, morphologic, and immune function characteristics in chronic lymphocytic leukemia. Rai KR, et al. **Blood Cells** 1987;12(2):327–38 (37 ref.)

Lymphocyte doubling time in chronic lymphocytic leukemia: an update of its prognostic significance. Viñolas N, et al. **Blood Cells** 1987;12(2):457–70

Phenotypic characterisation of peripheral blood lymphoid cells in people exposed to fibrous zeolite. Ozesmi M, et al. **Br J Ind Med** 1986 Dec;43(12):830–3

Lymphocyte predominance Hodgkin's disease. A clinicopathologic reassessment. Trudel MA, et al. **Cancer** 1987 Jan 1;59(1):99–106

Malignant lymphoma of convoluted lymphocytes: diagnosis by fine–needle aspiration cytology and cytochemistry. Das DK, et al. **Diagn Cytopathol** 1986 Dec;2(4):307–11

Responses of peripheral blood cells and lymphocyte subpopulations to insulin–induced hypoglycaemia in human insulin–dependent (Type I) diabetes. Fisher BM, et al. **Eur J Clin Invest** 1987 Jun;17(3):208–13

Migration of leukaemic lymphocytes (chronic lymphocytic leukaemia) through a 3–D collagen gel: a possible prognostic factor. Shiu W, et al. **Eur J Haematol** 1987 Feb; 38(2):117–22

Measurement of intraepithelial lymphocytes [letter] Whitehead R. **Gut** 1986 Nov;27(11):1399

Biphenotypic leukemia in childhood: presentation of five cases. Reifenhäuser A, et al. **Hamatol Bluttransfus** 1987; 30:413–7

Cell–mediated immunity in Coxsackie B3 virus myocarditis in mice—in situ characterization by monoclonal antibody of mononuclear cell infiltrates. Deguchi H, et al. **Heart Vessels** 1985;Suppl 1:221–7

Lymphohistiocytosis: a multi-factorial syndrome of macrophagic activation clinico-pathological study of 38 cases. Goldberg J, et al. **Hematol Oncol** 1986 Oct-Dec; 4(4):275-89

Quantitation of lymphocytes in endomyocardial biopsies: use and limitations of antibodies to leukocyte common antigen. Schnitt SJ, et al. **Hum Pathol** 1987 Aug;18(8):796-800

Lymphocyte-induced angiogenesis: correlation with the metastatic incidence of two murine mammary adenocarcinomas. Miguez M, et al. **Invasion Metastasis** 1986;6(5):313-20

Immunohistochemical study of HLA antigens and lymphocyte infiltration in melanocytic tumors. Kageshita T, et al. **J Dermatol (Tokyo)** 1986 Jun;13(3):179-84

Dendritic cell-lymphoid cell aggregation and major histocompatibility antigen expression during rat cardiac allograft rejection. Forbes RD, et al. **J Exp Med** 1986 Oct 1;164(4):1239-58

Adult-onset cyclic neutropenia is a benign neoplasm associated with clonal proliferation of large granular lymphocytes. Loughran TP Jr, et al. **J Exp Med** 1986 Dec 1;164(6):2089-94

Cells infiltrating human periapical inflammatory lesions. Kontiainen S, et al. **J Oral Pathol** 1986 Nov;15(10):544-6

An immunocytochemical study of the inflammatory cell infiltrate and epithelial expression of HLA-DR in odontogenic cysts. Matthews JB, et al. **J Oral Pathol** 1987 Mar;16(3):112-7

Abnormal peripheral lymphocytes in tropical spastic paraparesis [letter] Morgan OS, et al. **Lancet** 1987 Aug 15; 2(8555):403-4

Detection of activated lymphocytes in endocrine pancreas of BB/W rats by injection of 123I-interleukin-2: an early sign of type 1 diabetes. Signore A, et al. **Lancet** 1987 Sep 5;2(8558):537-40

Prolymphocytoid variants of chronic lymphocytic leukaemia: an immunological and morphological survey. Scott CS, et al. **Leuk Res** 1987;11(2):135-40

Uniform detection of immunoglobulin-gene rearrangement in benign lymphoepithelial lesions. Fishleder A, et al. **N Engl J Med** 1987 Apr 30;316(18):1118-21

Lymphocytic adenohypophysitis causing pituitary mass. Meichner RH, et al. **Neurology** 1987 Jan;37(1):158-61

Lymphoid hypophysitis associated with sudden maternal death: report of a case review of the literature. Gal R, et al. **Obstet Gynecol Surv** 1986 Oct;41(10):619-21

Maternal cell contamination in cultured chorionic villi: comparison of chromosome Q-polymorphisms derived from villi, fetal skin, and maternal lymphocytes. Williams J 3d, et al. **Prenat Diagn** 1987 Jun;7(5):315-22

Focal lymphocytic infiltrates of salivary glands are not confined to Sjögren's syndrome. Lindahl G, et al. **Scand J Rheumatol [Suppl]** 1986;61:52-5

Complementation between glucocorticoid receptor and lymphocytolysis in somatic cell hybrids of two glucocorticoid-resistant human leukemic clonal cell lines. Yuh YS, et al. **Somatic Cell Mol Genet** 1987 Jan;13(1):33-45

Lymphocytic hypophysitis. Vanneste JA, et al. **Surg Neurol** 1987 Aug;28(2):145-9

Myocyte injury in acute cardiac transplant rejection and in lymphocytic myocarditis is similar and reversible. Ratliff NB, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2568-72

Identification of mononuclear cell populations infiltrating human renal allografts. Waltzer WC, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1629-32

Lymphoproliferative disorder of large granular lymphocytes: reversal of lymphocyte proliferation, anemia and neutropenia with chlorambucil. Pedrazzoli P, et al. **Tumori** 1987 Apr 30;73(2):117-9

Immunohistochemical study of epidermal Langerhans cells and dermal dendritic cells in benign and malignant skin lesions characterized by a dermal lymphoid infiltrate consisting either of B-cells or T-cells. Drijkoningen M, et al. **Virchows Arch [A]** 1987;411(4):337-43

[Gastric carcinoma with prominent reactive lymphoid hyperplasia; report of two cases with an immunohistological study] Murakuni H, et al. **Gan No Rinsho** 1987 Aug;33(9):1090-4 (Eng. Abstr.) **(Jpn)**

[Morphological studies on cells from adult T cell leukemia. II. Lobulated lymphocytes and HTLV-I infection] Kumagai T, et al. **Rinsho Byori** 1987 Apr;35(4):435-9 **(Jpn)**

[Follow-up of lymphocyte morphology and detection of human T-cell leukemia virus type-I (HTLV-I) proviral DNA in HTLV-I carriers] Momita S, et al. **Rinsho Ketsueki** 1986 Sep;27(9):1583-9 (Eng. Abstr.) **(Jpn)**

[Active lymphocyte infiltrate in idiopathic dilated cardiomyopathy] Mady C, et al. **Arq Bras Cardiol** 1986 Oct;47(4):243-6 (Eng. Abstr.) **(Por)**

[Acute diffuse lymphocytic meningoencephalitis: a clinico-pathological report of a case] Pittella JE, et al. **Arq Neuropsiquiatr** 1986 Sep;44(3):280-8 (Eng. Abstr.) **(Por)**

[Histopathology of tegumentary leishmaniasis caused by Leishmania braziliensis braziliensis. 3. Cellular reactions in tissues] de Magalhães AV, et al. **Rev Inst Med Trop Sao Paulo** 1986 Sep-Oct;28(5):300-11 (Eng. Abstr.) **(Por)**

[Effect of plasma on the proliferative activity of leukocytes in patients with leukemia] Lindstrem SL, et al. **Gematol Transfuziol** 1986 Aug;31(8):23-6 (Eng. Abstr.) **(Rus)**

[Sedimentation-electrophoretic heterogeneity of the peripheral blood lymphocytes of healthy donors and chronic lymphatic leukemia patients] Slivinskiĭ GG, et al. **Gematol Transfuziol** 1987 Jan;32(1):29-33 (Eng. Abstr.) **(Rus)**

[Morphofunctional characteristics of blasts in lymphoblastic leukemia and lymphoblastic lymphosarcoma] Frenkel' MA, et al. **Ter Arkh** 1987;59(6):31-4 (Eng. Abstr.) **(Rus)**

[Relation of the stage of disease and degree of cellular anaplasia to lymphoid-cellular stromal infiltration in bladder cancer patients] Strotskiĭ AV, et al. **Urol Nefrol (Mosk)** 1986 Jul-Aug;(4):35-8 (Eng. Abstr.) **(Rus)**

[Cell morphology in immunosuppressive treatment of lymphocytic myocarditis] Höyer S, et al. **Lakartidningen** 1987 Feb 4;84(6):367-70 **(Swe)**

PHYSIOLOGY

Adenosine receptors on human lymphocytes. Marone G, et al. **Adv Exp Med Biol** 1986;195 Pt B:7-14

Cytotoxic factors secreted by cells infected by human immunodeficiency virus type I. Ratner L, et al. **AIDS Res Hum Retroviruses** 1987 Summer;3(2):147-55

Induction of bovine plaque-forming cells in vitro. Kaattari SL, et al. **Am J Vet Res** 1987 Aug;48(8):1177-80

Lymphoid system as a regulator of morphostasis and hormonal modulation of these functions. Cuk M, et al. **Ann NY Acad Sci** 1987;496:104-7

The postulated lymphoid-adrenal axis. A molecular approach. Westly HJ, et al. **Ann NY Acad Sci** 1987; 496:98-103

Lymphocyte participation in wound healing. Morphologic assessment using monoclonal antibodies. Fishel RS, et al. **Ann Surg** 1987 Jul;206(1):25-9

The lymphocyte function-associated LFA-1, CD2, and LFA-3 molecules: cell adhesion receptors of the immune system. Springer TA, et al. **Annu Rev Immunol** 1987; 5:223-52 (145 ref.)

Sodium ion influx in proliferating lymphocytes: an early component of the mitogenic signal. Prasad KV, et al. **Arch Biochem Biophys** 1987 Feb 1;252(2):515-25

Normal sister chromatid exchange in lymphocytes from patients with multiple epidermal cancer? Frentz G, et al. **Arch Dermatol Res** 1987;279(3):180-3

Electrorotation of lymphocytes--the influence of membrane events and nucleus. Ziervogel H, et al. **Biosci Rep** 1986 Nov;6(11):973-82

Pattern of expression of HLA-DR and HLA-DQ antigens and mRNA in myeloid differentiation. Amatruda TT 3d, et al. **Blood** 1987 Apr;69(4):1225-36

Role of beta 2-adrenoceptors in the biological effect of autoimmune orchitis spleen cells. Borda E, et al. **Can J Physiol Pharmacol** 1986 Aug;64(8):1091-5

Further studies on migration and colonization of leukemic lymphoblasts in AKR and HSS inbred mice. Arany I, et al. **Cancer Biochem Biophys** 1987 May;9(2):149-54

Cell surface properties associated with malignancy of metastatic large cell lymphoma cells. Joshi SS, et al. **Cancer Res** 1987 Jul 1;47(13):3551-7

Mutation rate of normal and malignant human lymphocytes. Seshadri R, et al. **Cancer Res** 1987 Jan 15;47(2):407-9

Quantitative study of various factors influencing the migration of lymphocytes in vitro: glucocortico-steroid, PHA, cyclosporin A and heparin. Shiu W, et al. **Cell Biol Int Rep** 1987 Mar;11(3):171-80

Alterations in lymphocyte recirculation within ultraviolet light-irradiated mice: efferent blockade of lymphocyte egress from peripheral lymph nodes. Chung HT, et al. **Cell Immunol** 1986 Oct 15;102(2):335-45

Role of interferon in lymphocyte recruitment into the skin. Issekutz TB, et al. **Cell Immunol** 1986 May;99(2):322-33

Altered fatty acid membrane composition modifies lymphocyte localization in vivo. Novo C, et al. **Cell Immunol** 1987 May;106(2):387-96

The regulation by low-density lipoproteins of the activation of oxidative enzyme-primed lymphocytes is governed by transferrin. Scupham DW, et al. **Cell Immunol** 1987 Sep; 108(2):378-95

Epidermal keratinocyte Ia expression, Langerhans cell hyperplasia and lymphocytic infiltration in skin lesions of leprosy. Rea TH, et al. **Clin Exp Immunol** 1986 Aug; 65(2):253-9

The effect of adherent cell-derived factors on immunoglobulin and anti-DNA synthesis in systemic lupus erythematosus. Jandl RC, et al. **Clin Immunol Immunopathol** 1987 Mar;42(3):344-59

Interactions between the neocortex and lymphocytes. Bizière K, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:362-4

Second messenger function in lymphocytes and platelets: a comparison of peripheral and central mechanisms. Ebstein RP, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:350-2

Selective destruction of leucocytes by freezing as a potential means of modulating tissue immunogenicity: membrane integrity of lymphocytes and macrophages. Taylor MJ, et al. **Cryobiology** 1987 Apr;24(2):91-102

The regulation of lymphocyte traffic. Butcher EC. **Curr Top Microbiol Immunol** 1986;128:85-122 (105 ref.)

Lymphocyte traffic and the skin. Tigelaar RE. **Dermatol Clin** 1985 Oct;3(4):569-85 (94 ref.)

Quantitative analysis of lymphocyte migration from the thymus to periphery in the Mexican axolotl. Charlemagne J, et al. **Dev Comp Immunol** 1986 Fall;10(4):603-8

Lymphocyte subsets and activation in prediabetes. Hitchcock CL, et al. **Diabetes** 1986 Dec;35(12):1416-22

Parathyroid hormone-lymphocyte interactions modulate bone resorption. Perry HM 3d. **Endocrinology** 1986 Nov; 119(5):2333-9

17 Beta-estradiol inhibits the oxidative metabolism of U937 cells indirectly via lymphocytes. Sivam G, et al. **Endocrinology** 1987 Sep;121(3):853-7

Leukocyte, lymphocyte and platelet response to dynamic exercise. Duration or intensity effect? Gimenez M, et al. **Eur J Appl Physiol** 1986;55(5):465-70

A lymphoid cell surface glycoprotein involved in endothelial cell recognition and lymphocyte homing in man. Jalkanen ST, et al. **Eur J Immunol** 1986 Oct;16(10):1195-202

Kinetics of cellular oncogene expression in mouse lymphocytes. II. Regulation of c-fos and c-myc gene expression. Schneider-Schaulies J, et al. **Eur J Immunol** 1987 May;17(5):713-8

The endothelium of the high endothelial venule: a specialized endothelium with unique properties. Kraal G, et al. **Exp Cell Biol** 1987;55(1):1-10 (49 ref.)

Abstracts. Sixteenth annual meeting: International Society for Experimental Hematology. 23-27 August 1987, Tokyo, Japan. **Exp Hematol** 1987 Jun;15(5):429-629

Regulation of autoimmune disease physiological and therapeutic. Cohen IR. **Immunol Rev** 1986 Dec;94:5-21 (46 ref.)

Reciprocity in lymphocyte interactions. Julius MH. **Immunol Rev** 1987 Feb;95:177-94 (55 ref.)

The effects of interferon on the recirculation of lymphocytes in the rat. Kimber I, et al. **Immunology** 1987 Apr; 60(4):585-91

Cyclosporin A inhibits mitogen-activated but not phorbol ester-activated locomotion of human lymphocytes. Wilkinson PC, et al. **Immunology** 1987 Jul;61(3):311-6

Inhibition of malaria parasite invasion of human erythrocytes by a lymphocyte membrane polypeptide. Benzaquen-Geffin R, et al. **Infect Immun** 1987 Feb; 55(2):342-51

Bacterial antigens induce collagenase and prostaglandin E2 synthesis in human gingival fibroblasts through a primary effect on circulating mononuclear cells. Heath JK, et al. **Infect Immun** 1987 Sep;55(9):2148-54

Lymphocyte migration in the rheumatoid synovial membrane. Ziff M. **Int J Tissue React** 1987;9(4):267-71

Electron microscopic study of rheumatoid synovial vasculature: intimate relationship between tall endothelium and lymphoid aggregation. Ziff M, et al. **Int J Tissue React** 1987;9(4):273-6

Regulation of the beta-receptor-adenylate cyclase system in lymphocytes of allergic patients with asthma: possible role for protein kinase C in allergen-induced nonspecific refractoriness of adenylate cyclase. Meurs H, et al. **J Allergy Clin Immunol** 1987 Sep;80(3 Pt 1):326-39

Enhancement of chemiluminescence and phagocytic activities by nontoxic and toxic forms of lipid A. Masihi KN, et al. **J Biol Response Mod** 1986 Oct;5(5):462-9

Phosphomannosyl-derivatized beads detect a receptor involved in lymphocyte homing. Yednock TA, et al. **J Cell Biol** 1987 Mar;104(3):713-23

Receptors involved in lymphocyte homing: relationship between a carbohydrate-binding receptor and the MEL-14 antigen. Yednock TA, et al. **J Cell Biol** 1987 Mar; 104(3):725-31

Macrophages are required for influenza virus infection of human lymphocytes. Mock DJ, et al. **J Clin Invest** 1987 Feb;79(2):620-4

The effect of cyclosporine on canine lymphocyte activity. Payne JA, et al. **J Clin Lab Immunol** 1986 Aug;20(4):177-81

Prepubertal periodontitis. A case report with an analysis of lymphocyte populations. Celenligil H, et al. **J Clin Periodontol** 1987 Feb;14(2):85-8

A fish oil diet retards experimental amyloidosis, modulates lymphocyte function, and decreases macrophage arachidonate metabolism in mice. Cathcart ES, et al. **J Immunol** 1987 Sep 15;139(6):1850-4

Second messenger role of arachidonic acid and its metabolites in interferon-gamma production. Johnson HM, et al. **J Immunol** 1986 Nov 15;137(10):3053-6

Induction of interleukin 2 receptor (TAC) by tumor necrosis factor in YT cells. Lee JC, et al. **J Immunol** 1987 Sep 15; 139(6):1935-8

Defective lymphopoiesis in the bone marrow of motheaten (me/me) and viable motheaten (mev/mev) mutant mice. II. Description of a microenvironmental defect for the generation of terminal deoxynucleotidyltransferase-positive bone marrow cells in vitro. Medlock ES, et al. **J Immunol** 1987 Jun 1; 138(11):3590-7

Regulated expression of the Mac-1, LFA-1, p150,95 glycoprotein family during leukocyte differentiation. Miller LJ, et al. **J Immunol** 1986 Nov 1;137(9):2891-900

Assessment of leukotriene B4 synthesis in human lymphocytes by using high performance liquid chromatography and radioimmunoassay methods. Poubelle PE, et al. **J Immunol** 1987 Aug 15;139(4):1273-7

Simple methods for the assessment of migration areas in lymphocyte migration under agarose. Bahmer FA, et al. **J Immunol Methods** 1986 Dec 24;95(2):289-90

Lymphocyte activation by phytohaemagglutinin and

pokeweed mitogen. Identification of proliferating cells by monoclonal antibodies. Serke S, et al.
J Immunol Methods 1987 May 20;99(2):167–72
Epidermis and lymphocyte interactions during a tuberculin skin reaction. II. Epidermis contains specific lymphocyte chemotactic factors. Ternowitz T, et al.
J Invest Dermatol 1986 Nov;87(5):613–6
Phorbol ester circumvents the need for macrophages as well as for mitogenic lectins in the stimulation of lymphocytes with wheat germ agglutinin or the calcium ionophores A23187 or ionomycin. Grier CE 3d, et al.
J Leukocyte Biol 1986 Nov;40(5):511–23
Hypothesis: lymphocyte trafficking in inflammatory rheumatic disease. A role for receptor mediated homing. Schrieber L, et al. **J Rheumatol** 1987 Apr;14(2):194–6
Marrow ablative doses of gamma-irradiation and protracted changes in peripheral lymph node microvasculature of murine and human bone marrow transplant recipients. Samlowski WE, et al. **Lab Invest** 1987 Jan;56(1):85–95
Participation of lymphoid cells in the withdrawal syndrome of opiate dependent rats. Pellis NR, et al. **Life Sci** 1987 Apr 20;40(16):1589–93
Age-related changes of DNA winding and repair in human peripheral lymphocytes. Hartwig M, et al.
Mech Ageing Dev 1987 Mar;38(1):73–8
Functional rearrangement of lymphohemopoietic system in heterochronically parabiosed mice. Sidorenko AV, et al. **Mech Ageing Dev** 1986 Sep;36(1):41–56
Lymphocyte attachment to high endothelial venules during recirculation: a possible role for carbohydrates as recognition determinants. Rosen SD, et al.
Mol Cell Biochem 1986 Nov–Dec;72(1–2):153–64
Molecular and biochemical analyses of spontaneous and X-ray-induced mutants in human lymphoblastoid cells. Liber HL, et al. **Mutat Res** 1987 May;178(1):143–53
Incomplete rejoining of DNA double-strand breaks in unstimulated normal human lymphocytes. Mayer PJ, et al. **Mutat Res** 1986 Nov;166(3):275–85
Baseline and mutagen-induced sister-chromatid exchanges in cultures of human whole blood and purified fresh or frozen lymphocytes. Murli H, et al. **Mutat Res** 1987 Sep; 180(1):101–8
A unique T-cell receptor complex expressed on human fetal lymphocytes displaying natural-killer-like activity. Moingeon P, et al. **Nature** 1986 Oct 16–22;323(6089):638–40
Kinetics of some immunological and biochemical changes of immunocompetent cells during tumor growth in rats. Koníková E, et al. **Neoplasma** 1986;33(5):583–93
Age-related differences in lymphocyte adherence to myelinated tissue in multiple sclerosis. Dore-Duffy P, et al. **Neurology** 1987 Aug;37(8):1402–5
Early events in extramedullary hemopoiesis in the liver: lymphoid cell migration into the liver. Mori M, et al.
Nippon Ketsueki Gakkai Zasshi 1987 Feb;50(1):1–6
Interferon-gamma regulates an antigen specific for endothelial cells involved in lymphocyte traffic. Duijvestijn AM, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9114–8
Effect of phorbol myristate acetate on in vitro growth of lymphocytes from the chicken thymus and bursa of Fabricius. Ewert DL, et al. **Prog Clin Biol Res** 1987; 238:67–78
Lymphocyte adherence in multiple sclerosis: role of the cytoskeleton and prostaglandin E. Dore-Duffy P, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2–3):277–87
Diverse morphological responses of normal human synovial fibroblasts to mononuclear leukocyte products: relationship to prostaglandin production and plasminogen activator activities, and comparison with the effects of purified interleukin I. Clarris BJ, et al. **Rheumatol Int** 1987; 7(1):35–41
Differentiation-linked leukemogenesis in lymphocytes. Greaves MF. **Science** 1986 Nov 7;234(4777):697–704 (98 ref.)
Structural heterogeneity and functional domains of murine immunoglobulin G Fc receptors. Ravetch JV, et al.
Science 1986 Nov 7;234(4777):718–25
A novel technique for viable cell determinations. Singh NP, et al. **Stain Technol** 1986 Sep;61(5):315–8
Lymphocyte and granulocyte migration across the endothelial layer of bovine pulmonary artery intimal explants towards lymphocyte conditioned medium. Perkett EA, et al. **Tissue Cell** 1986;18(6):839–52
Destruction of lymphocytes by a non-viral fraction of HTLV III positive patients' plasma. Klein A, et al.
Tumour Biol 1986;7(2–3):147–50
Chickens unlocked lymphocyte mystery. Toone E.
Va Med 1987 Mar;114(3):152–3
Inhibition of bovine lymphocyte response to phytohemagglutinin by a specific 5-lipoxygenase inhibitor. Atluru D, et al. **Vet Immunol Immunopathol** 1987 Mar; 14(3):269–78
Lymphocyte localization in lymph nodes of pubescent, prepartum, and postpartum sheep. Harp JA, et al.
Vet Immunol Immunopathol 1987 Jul;15(4):297–310
Recent advances in lymphocyte activation. Wedner HJ.
Year Immunol 1985;:129–35
[Differentiation of human hemopoietic cells. II. Lymphocytes] Lemež P. **Cas Lek Cesk** 1987 Jan 23; 126(4):105–9 (Eng. Abstr.) **(Cze)**
[Influence of follicular dendritic cells on the survival of lymphocytes in vitro] Cormann N, et al.
C R Soc Biol (Paris) 1986;180(2):218–23 (Eng. Abstr.) **(Fre)**
[Lymphocyte migration induced by orciprenaline using the Boyden technic] Paegelow I, et al.
Allerg Immunol (Leipz) 1986;32(4):233–41 (Eng. Abstr.) **(Ger)**
[The effect of low-frequency sinusoidal pulse electromagnetic fields on human lymphocytes stimulated with mitogenic lectins. Preliminary results] Alesse E, et al. **Boll Soc Ital Biol Sper** 1986 Jun 30;62(6):757–62 (Eng. Abstr.) **(Ita)**
[Effects of environmental temperature on thymus and spleen weights and lymphocytes in mice] Ueda T, et al.
Jikken Dobutsu 1986 Oct;35(4):479–83 (Eng. Abstr.) **(Jpn)**
[A study of cell kinetics in tonsillar lymphocytes. I. Analysis by flow cytometry and 3H-thymidine incorporation] Matsuda F, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Aug;89(8):1018–29 (Eng. Abstr.) **(Jpn)**
[Kinetic studies on indium-111-oxine labelled lymphocytes from patients with chronic lymphocytic leukemia] Matsuda S, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 May; 49(3):653–60 (Eng. Abstr.) **(Jpn)**
[Role of 2-mercaptoethanol in the stimulation of lymphocyte growth] Ishii T. **Seikagaku** 1986 Jun;58(6):394–8 (28 ref.) **(Jpn)**
[Effect of a physical load on the adrenergic receptor function of peripheral blood lymphocytes and thrombocytes in healthy donors] Korichneva IL, et al.
Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR 1987;10(1):83–7 (Eng. Abstr.) **(Rus)**
[Method of evaluating the activity of lymphocytes by detecting their insulin receptors] Arkhipov GS, et al.
Lab Delo 1987;(4):279–80 (Eng. Abstr.) **(Rus)**
[Lymphocyte membrane study with fluorescent probes (a review of the literature)] Baglaev TN. **Lab Delo** 1986; (7):387–92 (85 ref.) **(Rus)**

PHYSIOPATHOLOGY

[The incidence of sister chromatid exchanges (SCE) and the kinetics of lymphocyte division in Down's syndrome] Konečná H, et al. **Bratisl Lek Listy** 1986 Sep;86(3):281–6 (Eng. Abstr.) **(Slo)**

RADIATION EFFECTS

Cytogenetic effects of cardioangiography on blood lymphocytes in children and in vitro effects of contrast medium and low dose radiation. Nikula E, et al.
Acta Oncol 1987 Jan–Feb;26(1):69–74
Cell cycle-dependent potentiation of X-ray-induced chromosomal aberrations by 3-aminobenzamide. Wiencke JK, et al. **Biochem Biophys Res Commun** 1987 Feb 27; 143(1):372–6
Effect of in vivo gamma-irradiation on the binding of wheat germ agglutinin on lymphocyte plasma membranes. Moullier P, et al. **Biochim Biophys Acta** 1986 Oct 1; 883(3):407–12
Effect of low-level, 60-Hz electromagnetic fields on human lymphoid cells: I. Mitotic rate and chromosome breakage in human peripheral lymphocytes. Cohen MM, et al.
Bioelectromagnetics 1986;7(4):415–23
Effect of extremely-low-frequency pulsed magnetic fields on the mitogenic response of peripheral blood mononuclear cells. Mooney NA, et al. **Bioelectromagnetics** 1986; 7(4):387–94
Immune lymphocyte survival after chemotherapy and radiation [letter] Huang AT, et al. **Blood** 1987 Apr; 69(4):1269
Differential hypersensitivity of xeroderma pigmentosum lymphoblastoid cell lines to ultraviolet light mutagenesis. Tatsumi K, et al. **Carcinogenesis** 1987 Jan;8(1):53–7
Nicotinamide deficiency in human lymphocytes prevents the [3H]thymidine-induced adaptive response for the repair of X-ray-induced chromosomal damage. Wiencke JK.
Exp Cell Res 1987 Aug;171(2):518–23
Measuring damage to human lymphocytes in vitro after low-level radiation exposure using prematurely condensed chromosomes. Maillie HD, et al. **Health Phys** 1986 Nov; 51(5):672–6
The effect of irradiated blood mononuclear cells on the hemoglobin biosynthesis in cultures of erythroid progenitors from adults and neonates. Issaragrisil S, et al. **Hemoglobin** 1987;11(2):129–34
Differential chromosomal radiosensitivity between male and female following X-irradiation at G2. Das BC, et al.
Indian J Exp Biol 1986 Oct;24(10):638–9
A device for small scale experimental cell irradiators using 90Sr applicators. Zanelli GD, et al.
Int J Rad Appl Instrum [A] 1986;37(2):183–4
Chromium-51 dosimetry of lymphocytes labeled incidentally during nuclear medicine procedures. Vezza M, et al.
Int J Rad Appl Instrum [B] 1987;14(1):75–7
Sensitivity to X-irradiation of peripheral blood lymphocytes from ageing donors. Harris G, et al. **Int J Radiat Biol** 1986 Oct;50(4):685–94
Changes of the blood lymphocyte population following 131I treatment for nodular goiter. Blomgren H, et al.
Int J Radiat Oncol Biol Phys 1987 Feb;13(2):209–15
Lymphocyte radiolabeling: a challenge to their survival [letter] Meignan M, et al. **J Nucl Med** 1987 Jul;28(7):1228–9
Toxicity of indium-111 on lymphocytes [letter] Signore A, et al. **J Nucl Med** 1987 Aug;28(8):1365
Selection of optimal therapy for neuroblastoma: a study of the immunomodulatory effects of surgery and irradiation in the murine C1300 neuroblastoma model. Topalian SL, et al. **J Surg Oncol** 1987 Feb;34(2):120–7
Effects of low-watt helium neon laser radiation on human lymphocyte cultures. Meyers AD, et al.
Lasers Surg Med 1987;6(6):540–2
Ageing in vivo does not influence micronucleus induction in human lymphocytes by X-irradiation. Fenech M, et al. **Mech Ageing Dev** 1987 Jul;39(2):113–9
The effect of low-level 60-Hz electromagnetic fields on human lymphoid cells. II. Sister-chromatid exchanges in peripheral lymphocytes and lymphoblastoid cell lines. Cohen MM, et al. **Mutat Res** 1986 Nov;172(2):177–84
The fate of X-ray-induced chromosome aberrations in blood lymphocyte culture. Das BC, et al. **Mutat Res** 1987 Jan; 176(1):93–104
Production of sister-chromatid exchange by irradiation during the G1 stage: the probable role of 5-bromodeoxyuridine. Luchnik NV, et al. **Mutat Res** 1987 Feb;190(2):149–52
Sister-chromatid exchanges induced by mitomycin C after exposure of human lymphocytes in G0 to a low dose of X-radiation. Moquet JE, et al. **Mutat Res** 1987 Jan; 176(1):143–6
Exposure of human lymphocytes to ionizing radiation reduces mutagenesis by subsequent ionizing radiation. Sanderson BJ, et al. **Mutat Res** 1986 Dec;164(6):347–51
Induction of chromosome aberrations by 90Sr beta-particles in cultured human lymphocytes. Vulpis N, et al.
Mutat Res 1986 Dec;163(3):277–83
Ultraviolet hypersensitivity of Cockayne syndrome lymphoblastoid lines—the effects of exogenous beta-nicotinamide adenine dinucleotide. Otsuka F, et al.
Photochem Photobiol 1986 Dec;44(6):757–60
Effects of 254 nm UV irradiation of human lymphocytes in vitro studied on chromosomes, cell cycle phase distribution and cell surface antigens. Stenstrand K, et al.
Photodermatol 1987 Feb;4(1):36–42
Manifestation of radiation injury of human lymphocytes using PHA mitogenic stimulation in different culture systems. Horký J. **Physiol Bohemoslov** 1986;35(6):497–504
Cell survival and radiation induced chromosome aberrations. II. Experimental findings in human lymphocytes analysed in first and second post-irradiation metaphases. Bauchinger M, et al. **Radiat Environ Biophys** 1986;25(4):253–60
Cell survival and radiation induced chromosome aberrations. I. Derivation of formulae for the determination of transmission and survival parameters of aberrations. Braselmann H, et al. **Radiat Environ Biophys** 1986; 25(4):243–51
[Chromosome aberrations and micronucleus analyses of peripheral lymphocyte in diagnostic X-ray irradiated patients] Wang ZQ, et al.
Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao 1986 Dec; 8(6):479–81 (Eng. Abstr.) **(Chi)**
[Induction of chromosome anomalies in rabbit lymphocytes by weak doses of X-rays and neutrons] Fabry L.
C R Soc Biol (Paris) 1986;180(2):212–7 (Eng. Abstr.) **(Fre)**
[Mutagenicity of blue light. I. Effect of the time of irradiation, irradiation mode and cell density on the rate of chromosome mutations in lymphocyte cultures] Schroeter C. **Padiatr Grenzgeb** 1986;25(4):293–301 (Eng. Abstr.) **(Ger)**
[Mutagenicity of blue light. II. Effect of the culture medium and bilirubin on the rate of chromosome mutations in lymphocyte cultures] Schroeter C. **Padiatr Grenzgeb** 1986; 25(4):303–10 (Eng. Abstr.) **(Ger)**
[Effects of radiotherapy on cellular immunity of patients with head and neck cancers] Misaki T, et al.
Nippon Gan Chiryo Gakkai Shi 1986 Dec 20;21(10):2371–6 (Eng. Abstr.) **(Jpn)**
[Cytogenetic study of the bone marrow and peripheral blood lymphocytes in monkeys in long-term gamma irradiation] Kosichenko LP, et al. **Biull Eksp Biol Med** 1987 Jul; 104(7):85–7 (Eng. Abstr.) **(Rus)**
[Relation between the yield of chromosome aberrations and the dose during irradiation of human lymphocytes in vitro and in vivo] Piatkin EK, et al. **Med Radiol (Mosk)** 1986 Sep;31(9):30–5 (Eng. Abstr.) **(Rus)**
[Functional status of the lymphocytes and adrenal cortex in preoperative radiotherapy of patients with laryngeal cancer exposed to different oxygen conditions] Sokolova II, et al. **Med Radiol (Mosk)** 1987 Jul;32(7):22–4 (Eng. Abstr.) **(Rus)**
[Degradation of chromatin in thymus lymphocytes during inhibition of repair of spontaneous DNA damage] Alferova TM, et al. **Radiobiologia** 1987 Jul–Aug;27(4):472–5 (Eng. Abstr.) **(Rus)**
[Cytogenetic effect of low-level 60Co gamma-irradiation of cultured human lymphocytes in the G1 phase of the mitotic cycle] Bogatykh BA, et al. **Radiobiologiia** 1987 Jul–Aug; 27(4):479–81 (Eng. Abstr.) **(Rus)**
[Repair of chromosome damage in human lymphocytes after fractionated irradiation with fast neutrons] Bol'shakova OI, et al. **Radiobiologiia** 1987 Jul–Aug;27(4):481–4 (Eng. Abstr.) **(Rus)**
[Dose-response curves for the action of 6 MeV mean-energy neutrons on a human lymphocyte culture at different stages of the mitotic cycle] Demina EA. **Radiobiologiia** 1987 May–Jun;27(3):357–61 (Eng. Abstr.) **(Rus)**
[Role of protein poly(ADP-ribosylation) in the

radiosensitivity of thymus lymphocytes] Denisenko MF, et al. **Radiobiologiia** 1987 Jan-Feb;27(1):75-8 (Eng. Abstr.) **(Rus)**

[Abscopal action of gamma radiation in the death of lymphoid cells] Kopylov VA, et al. **Radiobiologiia** 1987 Jan-Feb;27(1):20-3 (Eng. Abstr.) **(Rus)**

[Mechanism of thymocyte death in exposure to ultrahigh doses of gamma radiation] Zvonareva NB, et al. **Radiobiologiia** 1987 May-Jun;27(3):319-24 (Eng. Abstr.) **(Rus)**

[Assessment of irradiation uniformity using the results of a cytogenetic study of human peripheral blood lymphocytes] Piatkin EK, et al. **Ter Arkh** 1986;58(9):30-3 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Noninvasive detection of rejection of transplanted hearts with indium-111-labeled lymphocytes. Eisen HJ, et al. **Circulation** 1987 Apr;75(4):868-76

Kidney graft rejection studies with labeled platelets and lymphocytes. Martin-Comin J. **Int J Rad Appl Instrum [B]** 1986;13(2):173-81

SECRETION

Histamine release from mast cells of various species induced by histamine releasing factor from human lymphocytes. Brzezińska-Błaszczyk E, et al. **Agents Actions** 1987 Jun; 21(1-2):26-31

Release of arachidonic acid metabolites by human monocytes or lymphocytes: effect of treatment with interferon on stimulation by phorbol ester or calcium ionophore. Hoffman T, et al. **Clin Immunol Immunopathol** 1987 Jul; 44(1):82-92

Secretion of a suppressor cell-inducing factor by an interleukin 3-dependent cell line with natural cytotoxic activity. II. Range, potency, and kinetics of suppressive activity. Pope BL. **Immunobiology** 1987 Jan;174(1):107-18

[Effect of supernatants obtained from lymphocytes stimulated with concanavalin A on trophozoites of Entamoeba histolytica] Castellanos C, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:255-8 **(Spa)**

TRANSPLANTATION

Graft-vs-host reaction induced by para-aortic lymph nodes during estrous and diestrous stages. De Bonaparte YP, et al. **Am J Reprod Immunol Microbiol** 1986 Oct;12(2):45-7

Immunotherapy of primary immunological aborters: rationale for the use of pooled cryopreserved purified normal peripheral blood mononuclear cells. Denegri JF, et al. **Am J Reprod Immunol Microbiol** 1986 Nov;12(3):65-9

Is lymphocyte transfer a promising therapeutic approach towards AIDS? Vilmer E, et al. **Ann Inst Pasteur Immunol** 1987 Mar-Apr;138(2):269-73

Long-term immunological reconstitution by peripheral blood leucocytes in severe combined immune deficiency disease: implications for the role of mature lymphocytes in histocompatible bone marrow transplantation. Polmar SH, et al. **Clin Exp Immunol** 1986 Jun;64(3):518-25

Specific immunotherapy in insulin-dependent diabetes mellitus (preliminary report). Lohmann D, et al. **Exp Clin Endocrinol** 1986 Aug;87(3):333-6

Influence of the thymus extract on the immunological function of animals with experimental diabetes. Hadžija M, et al. **Horm Metab Res** 1987 Jan;19(1):6-10

Corneal neovascularization induced by stimulated lymphocytes in inbred mice. Epstein RJ, et al. **Invest Ophthalmol Vis Sci** 1987 Sep;28(9):1505-13

Prevention of lethal murine graft versus host disease by treatment of donor cells with L-leucyl-L-leucine methyl ester. Charley M, et al. **J Clin Invest** 1986 Nov; 78(5):1415-20

The effects of polyinosinic:polycytidylic acid (pI:C) on the graft-vs-host (GVH) reaction. II. Increased NK-mediated rejection on C57BL/6 lymphocytes by (C57BL/6 X A)F1 mice. Peres A, et al. **J Immunol** 1986 Dec 1;137(11):3420-7

Prevention of graft-versus-host disease by natural suppressor cells. Hertel-Wulff B, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):536-9

Effect of sequential grafting of antigenetically different allografts on the immune response of the host. Hopt UT, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):324-7

Useful antiglobulin crossmatch test for DST-sensitized patients. Takahashi H, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):794-9

Effect of posttransplantation administration of peripheral blood lymphocytes in skin-grafted mice treated with antilymphocyte serum or antilymphocyte serum plus bone marrow. De Fazio SR, et al. **Transplantation** 1987 Jul; 44(1):70-5

Allogeneic lymphocyte cytotoxicity. Evidence that target cells include most, if not all, donor lymphocytes. Ford WL, et al. **Transplantation** 1987 May;43(5):753-7

Clinical and immunological restoration in patients with AIDS after marrow transplantation, using lymphocyte transfusions from the marrow donor. Vilmer E, et al. **Transplantation** 1987 Jul;44(1):25-9

[Antigen-specific inhibition of donor cell activity in the graft vs. host reaction] Divanian Kh. **Eksp Med Morfol** 1986; 25(4):47-9 (Eng. Abstr.) **(Bul)**

[Inhibition of the regional graft vs. host reaction in F1 mice preliminarily treated intrahepatically with semiallogeneic lymphocytes] Divanian Kh. **Eksp Med Morfol** 1986; 25(4):43-7 (Eng. Abstr.) **(Bul)**

[Attempted elucidation of the mechanism of the clinical efficacy of lymphocytapheresis] Yoshida H, et al. **Rinsho Ketsueki** 1986 Jul;27(7):1247-50 **(Jpn)**

ULTRASTRUCTURE

Expansion of large granular lymphocytes in psoriatic erythroderma. A case report. Calvieri S, et al. **Acta Derm Venereol (Stockh)** 1986;66(6):497-501

Ultrastructural study of lymphocytic interaction with hepatocytes and endothelial cells in acute non-A, non-B hepatitis. Inoue O, et al. **Acta Pathol Jpn** 1987 Feb; 37(2):207-12

Expression of MHC class II antigen, interleukin-2 receptor, transferrin receptor and gp 40/80 glycoprotein during different phases of a normal PHA-driven lymphocyte activation in vitro. Konttinen YT, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1986 Oct; 94(5):181-6

Confirmation of Fanconi's anemia and detection of a chromosomal aberration (1Q12-32 triplication) via BrdU/Hoechst flow cytometry. Schindler D, et al. **Am J Pediatr Hematol Oncol** 1987 Summer;9(2):172-7

Feasibility of automating the micronucleus assay. Callisen HH, et al. **Anal Quant Cytol Histol** 1986 Sep;8(3):219-23

Decreased expression of high affinity interleukin 2 receptors after hyposensitization to house dust. Hsieh KH, et al. **Ann Allergy** 1987 Jul;59(1):57-62

The diagnostic value of ultrastructural studies of skin-punch biopsies and buffy coat for the early diagnosis of some neurodegenerative diseases. Wisniewski KE. **Ann NY Acad Sci** 1986;477:285-311

Measuring lymphocytes [letter] McNutt NS. **Arch Dermatol** 1987 May;123(5):565-6

Bloom's syndrome with dimorphism of sister chromatid exchanges in phytohemagglutinin-stimulated lymphocytes [letter] Oono T, et al. **Arch Dermatol** 1987 Aug; 123(8):988-90

Behaviour of lysosomes in the cells of transplantable and natural lymphatic leukaemia in mice in the light of cytoenzymatic and electron microscopic examinations. Madej JA, et al. **Arch Exp Veterinarmed** 1986 Jul; 40(4):486-95

Lymphocyte nuclear morphology in diffuse well-differentiated lymphocytic lymphoma. Comparative morphometry of normal lymphoid tissues, non-Hodgkin's lymphoma, and Hodgkin's disease. Dardick I, et al. **Arch Pathol Lab Med** 1987 Feb;111(2):130-8

Separation of plasma membrane domains of calf thymocytes by affinity chromatography on ouabain-Sepharose. Szamel M, et al. **Biochim Biophys Acta** 1987 May 29;899(2):247-57

The effect of tobacco smoking on the frequency of sister chromatid exchanges in human lymphocyte chromosomes. Ghosh R, et al. **Cancer Genet Cytogenet** 1987 Jul;27(1):15-9

Fragile sites limited to lymphocytes: molecular recombination and malignancy. Hecht F, et al. **Cancer Genet Cytogenet** 1987 May;26(1):95-104

Clonal chromosome abnormalities in chronic lymphocytic leukemia patients revealed by TPA stimulation of whole blood cultures. Ross FM, et al. **Cancer Genet Cytogenet** 1987 Mar;25(1):109-21

Lysosome rich cells contain the lytic activity of lymphokine-activated killer cell populations. Agah R, et al. **Cancer Immunol Immunother** 1987;24(3):247-52

Cytoskeletal polarity in mammalian lymphocytes in situ. Lee JK, et al. **Cell Tissue Res** 1987 Jan;247(1):195-202

Structural changes in nucleoli during inhibition of protein- and RNA-biosynthesis. Wachtler F, et al. **Cell Tissue Res** 1987 Mar;247(3):583-9

An improved method for preparing G-banded chromosomes from mouse peripheral blood. Davisson MT, et al. **Cytogenet Cell Genet** 1987;45(2):70-4

Ultrastructural morphometric analysis of nuclear contour irregularity in normal cord and adult blood: correlation with distinct lymphocyte subpopulations. Payne CM, et al. **Diagn Clin Immunol** 1987;5(1):41-53

Cyclosporin depolarizes human lymphocytes: earliest observed effect on cell metabolism. Damjanovich S, et al. **Eur J Immunol** 1987 Jun;17(6):763-8

Spatial redistribution of ribosomal chromatin in the fibrillar centres of human circulating lymphocytes after stimulation of transcription. Derenzini M, et al. **Exp Cell Res** 1987 May;170(1):31-41

On the position of nucleolus organizer regions (NORs) in interphase nuclei. Studies with a new, non-autoradiographic in situ hybridization method. Wachtler F, et al. **Exp Cell Res** 1986 Nov;167(1):227-40

Giant mitochondria in acute lymphocytic leukemia. Eguchi M, et al. **Exp Mol Pathol** 1987 Aug;47(1):69-75

Complementary replica of freeze-fractured human lymphocyte nuclei. Schinz R. **Experientia** 1987 Apr 15; 43(4):423-5

Decreased number of steroid receptors of circulating lymphocytes in Crohn's disease and ulcerative colitis. Krasznai A, et al. **Haematologia (Budap)** 1986;19(4):299-301

Alterations in the number of glucocorticoid receptors of circulating lymphocytes in sepsis. Krasznai A, et al. **Haematologia (Budap)** 1986;19(4):293-8

Cytoskeletal organization in acute leukemias. Schmitt-Gräff A, et al. **Hamatol Bluttransfus** 1987;30:302-7

Variation in the expression of aphidicolin-induced fragile sites in human lymphocyte cultures. Craig-Holmes AP, et al. **Hum Genet** 1987 Jun;76(2):134-7

Oxygen-induced cytogenetic instability in normal human lymphocytes. Joenje H, et al. **Hum Genet** 1986 Dec; 74(4):438-40

Age-related changes in beta-adrenoceptors of lymphocytes. Kohno A, et al. **Immunol Lett** 1986 Aug;13(1-2):79-82

Age-related changes of beta-adrenoceptors in spleen lymphocytes and cerebral cortex of NZB/BIN mice. Kohno A, et al. **Immunol Lett** 1986 Nov 17;14(1):75-8

Morphology and functional characteristics of isolated porcine intraepithelial lymphocytes. Wilson AD, et al. **Immunology** 1986 Sep;59(1):109-13

A method to generate microcells from human lymphoblasts for use in microcell mediated chromosome transfer. Devore-Carter DL, et al. **In Vitro Cell Dev Biol** 1986 Oct; 22(10):615-20

Blood cell nuclei: the structure and function of lymphoid and erythroid nuclei. Harris JR. **Int Rev Cytol** 1986; 102:53-168 (238 ref.)

An EBV genome carrying pre-B cell leukemia in a homosexual man with characteristic karyotype and impaired EBV-specific immunity. Ernberg I, et al. **J Clin Oncol** 1986 Oct;4(10):1481-8

Should we be counting immunogold marker particles on cell surfaces with the SEM? de Harven E, et al. **J Microsc** 1987 May;146 (Pt 2):183-9

Ultrastructural morphology of granular lymphocytes (GL) from patients with immunophenotypically homogeneous expansions of GL populations (GLE). Prasthofer EF, et al. **J Submicrosc Cytol** 1987 Apr;19(2):345-54

Cytoskeletal organization of peripheral blood normal and leukemic lymphocytes and lymphoblasts. Schmitt-Gräff A, et al. **J Submicrosc Cytol** 1987 Apr;19(2):329-35

Abelson murine leukemia virus-induced thymic lymphomas: transformation of a primitive lymphoid precursor. D'Andrea E, et al. **JNCI** 1987 Jul;79(1):189-95

Hepatocellular carcinoma cell line and peripheral blood lymphocytes from the same patient contain common chromosomal alterations. Simon D, et al. **Lab Invest** 1986 Dec;55(6):657-65

Subcellular structures of lymphocytes in long-standing remission after treatment discontinuation and in various periods of acute lymphoblastic leukaemia in children. Grabarczyk M, et al. **Mater Med Pol** 1986 Apr-Jun; 18(2):66-70

The number of silver-staining NORs (rDNA) in lymphocytes of newborns and its relationship to human development. Das BC, et al. **Mech Ageing Dev** 1986 Oct;36(2):117-23

Sister-chromatid exchanges in human lymphocytes exposed in vitro to therapeutic ultrasound. Ciaravino V, et al. **Mutat Res** 1986 Nov;172(2):185-8

Chromosome flexion: potential for assessing the state of spindle assembly. Correll AT, et al. **Mutat Res** 1987 Feb; 190(2):137-43

X-radiation-induced chromosome breakage in retinoblastoma lymphocytes. García Heras J, et al. **Mutat Res** 1987 Jun;178(2):225-33

Sister-chromatid exchange frequencies in fibroblasts and lymphocytes of patients with systemic lupus erythematosus. Palmer RG, et al. **Mutat Res** 1987 Mar;177(1):125-32

A study of sister-chromatid exchange in peripheral lymphocytes of hepatitis B patients with HBsAg positive and their children. Wang PL, et al. **Mutat Res** 1986 Dec; 175(4):249-54

c-myc gene expression and interleukin-2 receptor levels in cloned human CD2+,CD3+ and CD2+,CD3- lymphocytes. Gravekamp C, et al. **Nat Immun Cell Growth Regul** 1987;6(1):28-36

Chromosomal aberrations in the lymphocytes of alcoholics and former alcoholics. Matsushima Y. **Neuropsychobiology** 1987;17(1-2):24-9

Fine structure of germinal center forming cells in chick spleen. Fukuta K, et al. **Nippon Juigaku Zasshi** 1987 Feb; 49(1):31-6

Freeze-dried embedded specimens for biological microanalysis. Edelmann L. **Scan Electron Microsc** 1986; (Pt 4):1337-56

Unique scanning electron microscopic features of hairy cells in hairy-cell leukemia. A review and current status. Gamliel H, et al. **Scan Electron Microsc** 1986;(Pt 4):1515-21

Scanning electron microscopical observations on electrically fused human lymphocytes. Siegemund F, et al. **Schweiz Arch Neurol Psychiatr** 1987;138(3):5-11

A technique for simultaneous antikinetochore immunofluorescence staining and Q-banding in chromosomes from human lymphocytes. Cherry LM, et al. **Stain Technol** 1987 Jul;62(4):221-5

Quantitative evaluation of leukemic mitochondria with a computer-controlled image analyzer. Iwama Y, et al. **Virchows Arch [B]** 1986;51(5):375-84

[Cancer cell lysis caused by lymphocytes in colonic carcinoma] Li GR, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Sep;17(3):190-3 (Eng. Abstr.) **(Chi)**

[Chronic lymphatic leukemia with inclusion bodies, hypercalcemia and kidney infiltration] van Dobbenburgh OA. **Ned Tijdschr Geneeskd** 1986 Oct 11;130(41):1848-51 (Eng. Abstr.) **(Dut)**

[Mannosidosis: cytologic, cytochemical and ultrastructural study of blood and bone marrow cells] Lejeune F, et al. **Ann Pediatr (Paris)** 1986 Sep;33(7):557-61 (Eng. Abstr.)

(Fre)
[Value of karyotype in vascular acrosyndromes] Coget JM, et al. **Phlebologie** 1987 Jan–Mar;40(1):37–45 (Eng. Abstr.) (Fre)
[Chromosome-damaging effect of beta-asaron on human lymphocytes] Abel G. **Planta Med** 1987 Jun;53(3):251–3 (Eng. Abstr.) (Ger)
[Initial results from the study of chromosome examination in peripheral lymphocytes of workers engaged in benzene production] Werner N. **Sante Publique (Bucur)** 1986 Jan–Mar;29(1):55–61 (Ger)
[Receptor, marker and cell membrane: what value has additional morphological and molecular biology analysis of the cell membrane?] Bültmann B, et al. **Verh Dtsch Ges Pathol** 1986;70:391–2 (Eng. Abstr.) (Ger)
[Anticlastogenic effect of selenium on chromosome aberrations and bleomycin-induced sister chromatid exchange] Zajaczek S, et al. **Folia Med Cracov** 1987; 28(1–2):155–64 (Eng. Abstr.) (Pol)
[Participation of DNA repair processes in altering the frequency of sister chromatid exchanges in the peripheral blood lymphocytes in inflammatory diseases] Umnova NV, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):743–5 (Eng. Abstr.) (Rus)
[Ultrastructure of T8+ large granular blood lymphocytes isolated using flow cytometry] Komissarenko SV, et al. **Dokl Akad Nauk SSSR** 1986;289(4):1022–4 (Rus)
[Ultrastructural characteristics of the blood lymphocytes in some forms of sporadic T-cell lympholeukemia and leukemia associated with the HTLV virus] Butenko ZA, et al. **Eksp Onkol** 1986;8(5):54–8 (Eng. Abstr.) (Rus)
[Morphometric characteristics of argentaffin nucleolar structures in peripheral blood lymphoid cells from patients with non-Hodgkin's lymphomas and chronic lymphoid leukemias] Pogorelov VM, et al. **Eksp Onkol** 1987;9(3):43–8 (Eng. Abstr.) (Rus)
[Study of the cytogenetic activity of oxalates] Koval'chuk EV, et al. **Gig Sanit** 1986 Nov;(11):72 (Rus)
[Ultrastructure of the blood lymphoid cells and the dynamics of cellular immunity indices in chronic lympholeukemia patients during immunocorrection with T-activin] Chuvirov GN, et al. **Ter Arkh** 1986;58(9):67–70 (Eng. Abstr.) (Rus)
[Cytogenetic damages in the cells of allergy patients] Sarkisian TF. **Tsitol Genet** 1987 Mar–Apr;21(2):108–11 (Eng. Abstr.) (Rus)

B LYMPHOCYTES

see related
LYMPHOCYTE COOPERATION

B lymphocyte population and immunoglobulins in Indian kala-azar in response to chemotherapy. Neogy AB, et al. **Acta Trop (Basel)** 1986 Sep;43(3):237–44
Generation of human B-cell hybridomas secreting monoclonal anti-myelin-associated glycoprotein antibodies from a patient with neuropathy. Spatz L, et al. **Ann Neurol** 1987 Feb;21(2):207–11
Evidence for oligoclonal B cell expansion in the peripheral blood of patients with rheumatoid arthritis. Fox DA, et al. **Ann Rheum Dis** 1986 Dec;45(12):991–5
The role of chromosomal translocations in B- and T-cell neoplasia. Showe LC, et al. **Annu Rev Immunol** 1987; 5:253–77 (82 ref.)
Cytogenetic evidence for clonal evolution in B-cell chronic lymphocytic leukemia. Han T, et al. **Cancer Genet Cytogenet** 1986 Dec;23(4):321–8
Karyotypic evolution of chronic lymphocytic leukemia B cells. Lee CL, et al. **Cancer Genet Cytogenet** 1986 Dec; 23(4):329–31
Differentiation of B lymphocytes. **Curr Top Microbiol Immunol** 1987;135:1–150
Mechanisms in B-cell neoplasia. Workshop at the National Cancer Institute, National Institutes of Health. Bethesda, MD, USA, March 24–26, 1986. **Curr Top Microbiol Immunol** 1986;132:1–374
Expression of FMC7 antigen and tartrate-resistant acid phosphatase isoenzyme in cases of B-lymphoproliferative diseases. Drexler HG, et al. **Eur J Cancer Clin Oncol** 1987 Jan;23(1):61–8
Lymphocyte subsets in the young and aging marmoset (Callithrix jacchus). O'Neill PA, et al. **J Med Primatol** 1986; 15(6):409–17
Multiple chromosome abnormalities in a drug resistant TdT positive B-cell leukemia. Secker-Walker L, et al. **Leuk Res** 1987;11(2):155–61
DNA rearrangements in human B- and T-cell malignancies. Smith CI, et al. **Med Oncol Tumor Pharmacother** 1986; 3(3–4):153–7 (40 ref.)
Anti-idiotypes in B-cell tumor therapy. Miller RA, et al. **NCI Monogr** 1987;(3):131–4
Molecular genetical examinations of multiple myeloma and other B-cell malignancies. Kita K, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Dec;49(8):1729–39
Peripheral blood leucocytes subpopulation dynamics during Trypanosoma congolense infection in Boran and N'Dama cattle: an analysis using monoclonal antibodies and flow cytometry. Ellis JA, et al. **Parasite Immunol** 1987 May; 9(3):363–78
A common mechanism of chromosomal translocation in T- and B-cell neoplasia. Finger LR, et al. **Science** 1986 Nov 21;234(4779):982–5
[Molecular cloning of cDNAs encoding B-cell growth factors] Yaoita Y, et al. **Gan To Kagaku Ryoho** 1987 Jun; 14(6 Pt 2):2063–70 (Eng. Abstr.) (Jpn)
[Comparison of lymphocyte subpopulations in arterial and venous blood of the rat] Kunieda T, et al. **Jikken Dobutsu** 1987 Apr;36(2):109–16 (Eng. Abstr.) (Jpn)
[Micromethod of determining B-lymphocytes in human peripheral blood] Chechura AN, et al. **Lab Delo** 1987; (5):382–3 (Eng. Abstr.) (Rus)
[Use of the lymphocytotoxic test in the quantitative evaluation of human T- and B-lymphocytes] Zotikov EA, et al. **Lab Delo** 1986;(10):601–4 (Eng. Abstr.) (Rus)

ANALYSIS

Reactivity of monoclonal antibodies LAU-A1 and anti-Y 29/55 in T and B cell malignancies of children: correlation with immunological markers and clinical data. Hirt A, et al. **Acta Haematol (Basel)** 1986;76(1):9–15
Constitutive activation of oncogenes by chromosomal translocations in B-cell derived tumors. Klein G. **AIDS Res** 1986 Dec;2 Suppl 1:S167–76 (55 ref.)
Interleukin 1 alpha mRNA in virus-transformed T and B cells. Noma T, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):353–60
Value of monoclonal anti-CD22 (p135) antibodies for the detection of normal and neoplastic B lymphoid cells. Mason DY, et al. **Blood** 1987 Mar;69(3):836–40
Identification of a major 50-kDa molecular weight human B-cell growth factor with Tac antigen-inducing activity on B cells. Kawano M, et al. **Cell Immunol** 1987 Aug; 108(1):132–49
B cell receptors for interleukin 2: demonstration of IL2 internalization and of complementary effects of lipopolysaccharide and phorbol diester on receptor expression. Lowenthal JW, et al. **Eur J Immunol** 1986 Dec; 16(12):1591–5
Identification of a cell-surface glycoprotein mediating cell adhesion in EBV-immortalized normal B cells. Patarroyo M, et al. **Int J Cancer** 1986 Oct 15;38(4):539–47
Expression of T cell receptor genes in human B cells. Calman AF, et al. **J Exp Med** 1986 Dec 1;164(6):1940–57
Human T cell gamma genes are frequently rearranged in B-lineage acute lymphoblastic leukemias but not in chronic B cell proliferations. Chen Z, et al. **J Exp Med** 1987 Apr 1;165(4):1000–15
Elevated myc expression and c-myc amplification in spontaneously occurring B lymphoid cell lines. Citri Y, et al. **J Exp Med** 1987 Apr 1;165(4):1188–94
Fc epsilon receptor, a specific differentiation marker transiently expressed on mature B cells before isotype switching. Kikutani H, et al. **J Exp Med** 1986 Nov 1; 164(5):1455–69
Detection of receptors for murine B cell stimulatory factor 1 (BSF1): presence of functional receptors on CBA/N splenic B cells. Nakajima K, et al. **J Immunol** 1987 Aug 1;139(3):774–9
Relationship between human IgE-binding factors (IgE-BF) and lymphocyte receptors for IgE. Nakajima T, et al. **J Immunol** 1987 Aug 1;139(3):848–54
Distribution of substance P receptors on murine spleen and Peyer's patch T and B cells. Stanisz AM, et al. **J Immunol** 1987 Aug 1;139(3):749–54
Detection of RNA transcripts in normal lymphoid and myeloid colonies. Paige CJ, et al. **J Immunol Methods** 1986 Oct 23;93(1):37–43
Cell lineage in Hodgkin's disease [letter] O'Connor NT, et al. **Lancet** 1987 Jan 17;1(8525):158
Elevation of c-abl-mRNA in human leukemic B lymphoblasts. de Kretser T, et al. **Leuk Res** 1986; 10(12):1391–9
B lymphocyte-specific protein binding near an immunoglobulin kappa-chain gene J segment. Weaver D, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1516–20
Rapid and transient rise in diacylglycerol concentration in Daudi cells exposed to interferon. Yap WH, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7765–9
Further evidence for the B-cell nature of hairy cells: a study with monoclonal antibodies. Pagnucco G, et al. **Riv Emoter Immunoemstol** 1986;33(1):27–39
Leukaemia cell markers [letter] Harrison DJ, et al. **Scand J Haematol** 1986 Sep;37(3):265–6
[Changes in various immunologic indices in gout] Nikolenko IuI, et al. **Klin Med (Mosk)** 1987 Mar;65(3):118–22 (Eng. Abstr.) (Rus)

CLASSIFICATION

T- and B-lymphocytes in pemphigus vulgaris. A clinico-immunological follow-up study of fifty patients with pemphigus vulgaris. Mashkilleyson N. **Acta Derm Venereol (Stockh)** 1987;67(3):218–24
CH isotype switching in B cell differentiation. Cebra JJ, et al. **Biochem Soc Symp** 1986;51:159–72
Comparative analysis of T and B-cell subpopulations in normal thymus and thymus of myasthenia gravis. Wada H, et al. **Bull Chest Dis Res Inst Kyoto Univ** 1980 Mar; 13(1–2):19–24
LPS augments human B-cell differentiation by direct stimulation of PWM-responsive B cells. Anderson SJ, et al. **Clin Immunol Immunopathol** 1987 Sep;44(3):259–71
Fluctuations of T- and B-cell subsets in basic protein-induced experimental allergic encephalomyelitis (EAE) in long-tailed macaques. Rose LM, et al. **Clin Immunol Immunopathol** 1987 Jul;44(1):93–106
Subpopulations of circulating lymphocytes in adults with coeliac disease. Větvička V, et al. **Immunol Lett** 1986 Aug; 13(1–2):15–8
Functional heterogeneity within the human peripheral blood B cell pool engaged in IgE synthesis. Turner KJ, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):394–7
The activation-associated antigen 4F2 predicts patient survival in low-grade B-cell lymphomas. Holte H, et al. **Int J Cancer** 1987 May 15;39(5):590–4
New marker of B lymphocytes, MB2: comparison with other lymphocyte subset markers active in conventionally processed tissue sections. Hall PA, et al. **J Clin Pathol** 1987 Feb;40(2):151–6
Identification of a subset of normal B cells with a Burkitt's lymphoma (BL)-like phenotype. Gregory CD, et al. **J Immunol** 1987 Jul 1;139(1):313–8
A comparison of two fluorescence-activated cell sorters, the FACSIV (laser) and the FACSTm (mercury lamp), as research analyzers for the quantification of T and B cell subsets in human peripheral blood. Blom J, et al. **J Immunol Methods** 1986 Dec 4;95(1):39–46
Human lymphocytes making rheumatoid factor and antibody to ssDNA belong to Leu-1+ B-cell subset. Casali P, et al. **Science** 1987 Apr 3;236(4797):77–81
Rheumatoid factor secretion from human Leu-1+ B cells. Hardy RR, et al. **Science** 1987 Apr 3;236(4797):81–3
[The level of the T lymphocyte and B lymphocyte subpopulations in patients with systemic lupus erythematosus] Ljaljević M, et al. **Glas Srp Akad Nauka [Med]** 1985;(37):131–9 (Eng. Abstr.) (Scc)

CYTOLOGY

Maturation of B-lineage blast crisis cells in chronic myeloid leukemia. Ng CS, et al. **Am J Hematol** 1987 Jun;25(2):231–3
Establishment of a common acute lymphoblastic leukemia cell line (LC4-1) and effects of phorbol myristate acetate (PMA) on the surface antigen expression of the cell line. Yoshimura T, et al. **Am J Hematol** 1987 Sep;26(1):47–54
Molecular mechanisms of transmembrane signaling in B lymphocytes. Cambier JC, et al. **Annu Rev Immunol** 1987; 5:175–99 (126 ref.)
Non-Hodgkin's lymphoma containing both B and T cell clones. Hu E, et al. **Blood** 1987 Jul;70(1):287–92
Proliferative and differentiative responses of B cells from human marrow graft recipients to T cell-derived factors. Matsue K, et al. **Blood** 1987 Jan;69(1):308–15
Mediastinal lymphoma of clear cell type is a tumor corresponding to terminal steps of B cell differentiation. Möller P, et al. **Blood** 1987 Apr;69(4):1087–95
A single bone marrow-derived stromal cell type supports the in vitro growth of early lymphoid and myeloid cells. Hunt P, et al. **Cell** 1987 Mar 27;48(6):997–1007
Bone marrow stromal cell lines with lymphopoietic activity express high levels of a pre-B neoplasia-associated molecule. Whitlock CA, et al. **Cell** 1987 Mar 27; 48(6):1009–21
Differentiation of an Abelson virus-transformed immature B precursor cell line under the expression of tyrosine kinase activity of v-abl oncogene product. Maeda T, et al. **Cell Differ** 1987 Apr;20(4):263–9
Long-term-cultured mouse B-lymphocyte line. I. Establishment and characterization of mouse B-lymphocyte line. Bitoh S, et al. **Cell Immunol** 1987 Jun; 107(1):138–47
Studies of the in vitro activation and differentiation of human B lymphocytes. II. Optimization of activation by anti-immunoglobulin antibody bound to beads: analysis of the role of autocrine effects on B-cell proliferation and of T-cell help in B-cell differentiation. Boyd AW, et al. **Cell Immunol** 1986 Apr 15;99(1):228–40
In vivo localization and growth of the 70Z/3 pre-B-cell line. Pietrangeli CE, et al. **Cell Immunol** 1987 Jul;107(2):358–71
Regulation of B-lymphocyte production in the bone marrow: mediation of the effects of exogenous stimulants by adoptively transferred spleen cells. Pietrangeli CE, et al. **Cell Immunol** 1987 Jul;107(2):348–57
Repopulation of spleens of irradiated mice after injection of spleen cell subpopulations. Girard R, et al. **Cell Tissue Kinet** 1987 Jan;20(1):77–87
Molecular genetics of human B- and T-cell neoplasia. Croce CM, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:891–8
Cytochemical identification of lymphocytes and other mononuclear cells in ovine and bovine hemal nodes. Ceccarelli P, et al. **Comp Immunol Microbiol Infect Dis** 1986;9(4):297–302
EBV-activation of human B-lymphocytes. Aman P, et al. **Curr Top Microbiol Immunol** 1986;132:266–71
Structure and expression of c-myb protooncogene mRNA in murine B-cells. Bender TP, et al. **Curr Top Microbiol Immunol** 1986;132:153–8
Induction of fgr proto-oncogene mRNA in B lymphocytes as a consequence of Epstein-Barr virus infection. Cheah MS, et al. **Curr Top Microbiol Immunol** 1986;132:237–45
Long-term murine hemopoietic cultures as model systems for analysis of B lymphocyte differentiation. Dorshkind K, et al. **Curr Top Microbiol Immunol** 1987;135:23–41

Epstein–Barr virus gene expression during primary B-lymphocyte infection, in transformed and Burkitt lymphoma-derived cell lines. Ernberg I, et al. **Curr Top Microbiol Immunol** 1986;132:251–6

Stromal cell and factor-dependent B lymphopoiesis in culture. Kincade PW, et al. **Curr Top Microbiol Immunol** 1987;135:1–21 (88 ref.)

A growth-factor dependent B-cell hybridoma. Lansdorp PM, et al. **Curr Top Microbiol Immunol** 1986;132:105–13

Expression of c-myc and c-fos during phorbol ester induced differentiation of B-type chronic lymphocytic leukemia cells. Nilsson K, et al. **Curr Top Microbiol Immunol** 1986; 132:280–9

Peyer's patches and the early development of B lymphocytes. Reynolds JD. **Curr Top Microbiol Immunol** 1987;135:43–56

Differentiation of murine B-cell progenitors in agar culture: determination of the developmental potential of clonable pre-B cells. Sauter H, et al. **Curr Top Microbiol Immunol** 1987;135:65–74

An in vitro model for tumor progression in murine lymphoid cells. Schwartz RC, et al. **Curr Top Microbiol Immunol** 1986;132:75–80

Genes affecting the production or action of B cell–active lymphokines. Sidman CL. **Curr Top Microbiol Immunol** 1986;132:121–6

Regulation of c-myc mRNA and protein levels during activation of normal human B cells. Smeland EB, et al. **Curr Top Microbiol Immunol** 1986;132:290–6

Normal and neoplastic B cell development in the bursa of fabricius. Thompson CB, et al. **Curr Top Microbiol Immunol** 1986;132:209–14

Molecular genetics of human B-cell neoplasia. Tsujimoto Y, et al. **Curr Top Microbiol Immunol** 1986;132:183–92

Isolation of a cDNA copy of an RNA species expressed in murine pre-B cells. Sakaguchi N, et al. **EMBO J** 1986 Sep; 5(9):2139–47

B cell differentiation and interleukin 2 (IL2): corticosteroids interact with monocytes to enhance the effect of IL2. Emilie D, et al. **Eur J Immunol** 1987 Jun;17(6):791–5

Ligation of the CD23,p45 (BLAST-2,EBVCS) antigen triggers the cell-cycle progression of activated B lymphocytes. Gordon J, et al. **Eur J Immunol** 1986 Sep; 16(9):1075–80

Phenotypic identification of suppressor-effector, suppressor-amplifier and suppressor-inducer T cells of B cell differentiation in man. Kansas GS, et al. **Eur J Immunol** 1987 Apr;17(4):453–7

Germinal centers develop oligoclonally. Kroese FG, et al. **Eur J Immunol** 1987 Jul;17(7):1069–72

B lymphocyte differentiation in the rat: production and characterization of monoclonal antibodies to B lineage-associated antigens. Kroese FG, et al. **Eur J Immunol** 1987 Jul;17(7):921–8

Induction of human B cell proliferation and differentiation by the combination of phorbol ester and ionomycin. Roifman CM, et al. **Eur J Immunol** 1987 May;17(5):701–6

The response of selected human B cell lines to B cell growth and differentiation factors. Shields JG, et al. **Eur J Immunol** 1987 Apr;17(4):535–40

Follicular mantle zone cell subpopulations detected by monoclonal antibody SN3. Barcos M, et al. **Hematol Oncol** 1986 Oct-Dec;4(4):251–9

Simultaneous detection of B-cells and T-cells by a double immunohistochemical technique using immunogold–silver staining and the avidin–biotin–peroxidase complex method. Sako H, et al. **Histochemistry** 1986;86(1):1–4

Volume regulation of natural killer cells under hypotonic stress: comparison with T and B cell subpopulations. Rusthoven JJ, et al. **Immunol Lett** 1986 Oct;13(4):203–7

Timing, genetic requirements and functional consequences of somatic hypermutation during B-cell development. Allen D, et al. **Immunol Rev** 1987 Apr;96:5–22 (53 ref.)

Population dynamics of bone marrow B lymphocytes. Osmond DG. **Immunol Rev** 1986 Oct;93:103–24

B-lymphocyte colony formation in chronic lymphocytic leukemia. Dai YC, et al. **Int J Cell Cloning** 1987 Sep; 5(5):376–84

B lymphocyte reconstitution after human bone marrow transplantation. Leu-1 antigen defines a distinct population of B lymphocytes. Antin JH, et al. **J Clin Invest** 1987 Aug; 80(2):325–32

Regulated progression of B lymphocyte differentiation from cultured fetal liver. Denis KA, et al. **J Exp Med** 1987 Aug 1;166(2):391–403

Phenotype and proliferation of early B lymphocyte precursor cells in mouse bone marrow. Park YH, et al. **J Exp Med** 1987 Feb 1;165(2):444–58

Identification of the human 26-kD protein, interferon beta 2 (IFN-beta 2), as a B cell hybridoma/plasmacytoma growth factor induced by interleukin 1 and tumor necrosis factor. Van Damme J, et al. **J Exp Med** 1987 Mar 1; 165(3):914–9

Control of B cell proliferation: arrest of B cells in late G1 underlies immunosuppression induced by plasma cell tumors. Berman JE, et al. **J Immunol** 1987 May 1; 138(9):2805–12

Role of the interleukin 2 receptor in differentiation of a clone of Ly-1+ B cells. Bishop GA, et al. **J Immunol** 1987 May 15;138(10):3308–13

A stromal cell line from myeloid long-term bone marrow cultures can support myelopoiesis and B lymphopoiesis. Collins LS, et al. **J Immunol** 1987 Feb 15;138(4):1082–7

Development of a cell with dendritic morphology from a precursor of B lymphocyte lineage. Corradi MP, et al. **J Immunol** 1987 Apr 1;138(7):2075–81

A stathmokinetic study of B lymphocytopoiesis in rat bone marrow: proliferation of cells containing cytoplasmic mu-chains, terminal deoxynucleotidyl transferase and carrying HIS24 antigen. Deenen GJ, et al. **J Immunol** 1987 Aug 1;139(3):702–10

Functional maturation of murine B lymphocyte precursors. I. Selection of adherent cell-dependent precursors from bone marrow and fetal liver. Gisler RH, et al. **J Immunol** 1987 Apr 15;138(8):2427–32

Functional maturation of murine B lymphocyte precursors. II. Analysis of cells required from the bone marrow microenvironment. Gisler RH, et al. **J Immunol** 1987 Apr 15;138(8):2433–8

Corticosteroid-resistant bone marrow-derived B lymphocyte progenitor for long term in vitro cultures. Ku G, et al. **J Immunol** 1986 Nov 1;137(9):2802–7

Induction of T cell-dependent B cell differentiation by anti-CD3 monoclonal antibodies. Stohl W, et al. **J Immunol** 1987 Mar 15;138(6):1667–73

B cell development and regulation after T cell-depleted marrow transplantation. Wimperis JZ, et al. **J Immunol** 1987 Apr 15;138(8):2445–50

Adaptive differentiation of H-2- and Igh-restricted B lymphocyte in tetraparental bone marrow chimera. Yamamoto H, et al. **J Immunol** 1987 Jan 15;138(2):380–4

Synergistic activation of cells by Epstein–Barr virus and B-cell growth factor. Hutt-Fletcher LM. **J Virol** 1987 Mar; 61(3):774–81

Abelson virus potentiates long-term growth of mature B lymphocytes. Serunian LA, et al. **Mol Cell Biol** 1986 Jan; 6(1):183–94

Activated v-myc and v-ras oncogenes do not transform normal human lymphocytes. Stevenson M, et al. **Mol Cell Biol** 1986 Oct;6(10):3410–7

Hypersensitive character of Bloom syndrome B-lymphoblastoid cell lines usable for sensitive carcinogen detection. Shiraishi Y. **Mutat Res** 1986 Nov;175(3):179–87

Mature murine B lymphocytes immortalized by Kirsten sarcoma virus. Lichtman AH, et al. **Nature** 1986 Dec 4–10; 324(6096):489–91

Selective killing of T lymphocytes by phototoxic liposomes. Yemul S, et al. **Proc Natl Acad Sci USA** 1987 Jan; 84(1):246–50

Chicken B lymphocyte differentiation: ontogeny, bursal microenvironment and effect of IBD virus. Boyd RL, et al. **Prog Clin Biol Res** 1987;238:41–51

Differential abnormality in cell-cycle stage of peripheral B cells from patients with systemic lupus erythematosus. Hara M, et al. **Rheumatol Int** 1987;7(2):83–7

Neither interleukin 2 nor gamma interferon directly promote growth or differentiation of mouse B cells. Julius MH, et al. **Scand J Immunol** 1987 Feb;25(2):195–202

Human monoclonals from antigen-specific selection of B lymphocytes and transformation by EBV. Casali P, et al. **Science** 1986 Oct 24;234(4775):476–9

The structure of immunoglobulins and their genes, DNA rearrangement and B cell differentiation, molecular anomalies of some monoclonal immunoglobulins. Rosen SM, et al. **Semin Oncol** 1986 Sep;13(3):260–74 (86 ref.)

Regeneration of TdT+, pre-B, and B cells in bone marrow after allogeneic bone marrow transplantation. Asma GE, et al. **Transplantation** 1987 Jun;43(6):865–70

Suppression of B lymphocyte genesis in the bone marrow by systemic graft-versus-host reactions. Xenocostas A, et al. **Transplantation** 1987 Apr;43(4):549–55

Immunohistological analysis of the lymphoid infiltrate in cutaneous malignant melanomas. Ralfkiaer E, et al. **Virchows Arch [A]** 1987;410(4):355–61

[Suppressive effect of monocytes on anti- mu-induced proliferation of human B lymphocytes] Zhu LP, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Dec; 8(6):435–9 (Eng. Abstr.) **(Chi)**

[T-cell clones and monoclonal antibodies] Roellinger B. **DTW** 1987 Apr 8;94(4):222–3 (Eng. Abstr.) **(Ger)**

[Childhood chronic myelogenous leukemia with blastic crisis showing pre-B cell and myelocytic phenotypes] Nakadate H, et al. **Rinsho Ketsueki** 1987 Jan;28(1):76–80 (Eng. Abstr.) **(Jpn)**

[Embryogenesis of the human pharyngeal tonsil] Khlystova ZS, et al. **Arkh Anat Gistol Embriol** 1987 Jun;92(6):32–5 (Eng. Abstr.) **(Rus)**

[Cultivation of murine B-cell hybridomas in the spleen] Volgareva GM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jan;(1):94–8 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Alteration of ribonucleotide and deoxyribonucleotide metabolism by interferon in human B-lymphoblastoid cells. Barankiewicz J, et al. **Adv Exp Med Biol** 1986;195 Pt B:677–81

Mechanisms of deoxyguanosine toxicity for human T and B lymphocytes. Scharenberg JG, et al. **Adv Exp Med Biol** 1986;195 Pt B:191–9

Effect of alpha interferon on the altered T-B-cell immunoregulation in patients with thalassemia major. Nualart P, et al. **Am J Hematol** 1987 Feb;24(2):151–9

Correlation of clinical and immunologic states in multiple sclerosis. Mickey MR, et al. **Arch Neurol** 1987 Apr; 44(4):371–5

Lymphotoxic activity of methyl prednisolone in vitro—I. Comparative toxicity of methyl prednisolone in human cell lines of B and T origin. Millar BC, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):831–7

Low molecular weight B cell growth factor induces proliferation of human B cell precursor acute lymphoblastic leukemias. Wörmann B, et al. **Blood** 1987 Jul;70(1):132–8

Direct inhibition of murine B lymphocyte differentiation by 12-O-tetradecanoylphorbol-13-acetate. Schuman LD, et al. **Cancer Lett** 1987 Feb;34(2):157–63

Preexposure of resting B cells to interferon-gamma enhances their proliferative response to subsequent activation signals. Boyd AW, et al. **Cell Immunol** 1987 May;106(2):355–65

Immunopotentiation by SGP and Quil A. II. Identification of responding cell populations. Flebbe LM, et al. **Cell Immunol** 1986 Apr 15;99(1):128–39

Cyclosporine inhibition of CH series murine B-cell lymphomas. Gorelick MH, et al. **Cell Immunol** 1987 Jun; 107(1):219–26

Activation of murine B lymphocytes by suramin. Kirchner H, et al. **Cell Immunol** 1986 Apr 1;98(2):560–3

Jacalin, an IgA-binding lectin, inhibits differentiation of human B cells by both a direct effect and by activating T-suppressor cells. Saxon A, et al. **Cell Immunol** 1987 Jan; 104(1):134–41

Large, activated B cells are the primary B-cell target of 8-bromoguanosine and 8-mercaptoguanosine. Wicker LS, et al. **Cell Immunol** 1987 May;106(2):318–29

Prostaglandin modulation of the postnatal development of T and B lymphocytes in the spleens of newborn mice. Shibuya T, et al. **Dev Comp Immunol** 1986 Summer; 10(3):419–28

Tumor-promoting phorbol esters suppress receptor-stimulated inositol phospholipid degradation and Ca2+ mobilization in mouse lymphocytes. Bijsterbosch MK, et al. **Eur J Immunol** 1987 Jan;17(1):113–8

Structural requirements for inducing in vitro B lymphocyte activation by chemically synthesized derivatives related to the nonreducing D-glucosamine subunit of lipid A. Kumazawa Y, et al. **Eur J Immunol** 1986 Sep; 16(9):1099–103

Interleukin 2 is a proliferative signal for B cells from autoimmune mice. Lehmann KR, et al. **Eur J Immunol** 1986 Sep;16(9):1105–10

Different human B cell subsets respond to interleukin 2 and to a high molecular weight B cell growth factor (BCGF). Vazquez A, et al. **Eur J Immunol** 1986 Dec;16(12):1503–7

Transforming growth factor type beta (TGF beta) inhibits G1 to S transition, but not activation of human B lymphocytes. Smeland EB, et al. **Exp Cell Res** 1987 Jul; 171(1):213–22

Flow cytometry of TPA-induced changes in cells of chronic B-cell leukemias. Munker R, et al. **Folia Haematol (Leipz)** 1987;114(2):177–87

Pokeweed mitogen activated suppressor T-cells preferentially reduce immunoglobulin secretion by differentiated B-lymphocytes. Pryjma J, et al. **Immunol Lett** 1986 Oct 15;13(5):273–9

Intact proteoglycan is a polyclonal activator of murine B-lymphocytes. Siegel JN, et al. **Immunol Lett** 1987 Jun; 15(2):127–32

Cyclophosphamide-induced eosinophilia in the rat: concomitant changes in T-cell subsets, B cells and large granular lymphocytes within lymphoid tissues. Thomson AW, et al. **Immunology** 1987 Mar;60(3):383–8

Primary cellular target responsible for dimethylnitrosamine-induced immunosuppression in the mouse. Johnson KW, et al. **Immunopharmacology** 1987 Feb; 13(1):47–60

Chondroitin sulfates used as adjuvants for antibody formation and as mitogens for B cells. Rosen J, et al. **J Biol Response Mod** 1987 Jun;6(3):355–66

Cyclic AMP-mediated suppression of normal and neoplastic B cell proliferation is associated with regulation of myc and Ha-ras protooncogenes. Blomhoff HK, et al. **J Cell Physiol** 1987 Jun;131(3):426–33

Selective effects of cyclophosphamide therapy on activation, proliferation, and differentiation of human B cells. Zhu LP, et al. **J Clin Invest** 1987 Apr;79(4):1082–90

Comparison of the effect of cadmium on lymphocytes of young and adult mice. Fujimaki H. **J Environ Pathol Toxicol Oncol** 1987 Mar-Apr;7(4):39–45

Human recombinant interleukin 4 induces Fc epsilon receptors (CD23) on normal human B lymphocytes. Defrance T, et al. **J Exp Med** 1987 Jun 1;165(6):1459–67

Cytochalasin induces an increase in cytosolic free calcium in murine B lymphocytes. Baeker TR, et al. **J Immunol** 1987 Apr 15;138(8):2691–7

Role of the macrophage-derived hybridoma growth factor in the in vitro and in vivo proliferation of newly formed B cell hybridomas. Bazin R, et al. **J Immunol** 1987 Aug 1;139(3):780–7

Human interferon-gamma acts as a B cell growth factor in the anti-IgM antibody co-stimulatory assay but has no direct B cell differentiation activity. Defrance T, et al. **J Immunol** 1986 Dec 15;137(12):3861–7

Comparison of the calcium requirement for the induction and maintenance of B cell class II molecule expression and for B cell proliferation stimulated by mitogens and purified growth factors. Dennis GJ, et al. **J Immunol** 1987 Jun 15; 138(12):4307–12

Polyclonal B cell activation by a B cell differentiation factor, B151-TRF2. III. B151-TRF2 as a B cell differentiation factor closely associated with autoimmune disease. Dobashi K, et al. **J Immunol** 1987 Feb 1;138(3):780–7

Activity of a partially purified human BCGF on murine assays for B cell stimulatory factors. II. Synergy between two distinct BCGF II-like factors in promoting B cell differentiation. Ennist DL, et al. **J Immunol** 1987 Sep 1; 139(5):1525–31

Transforming growth factor beta is an important immunomodulatory protein for human B lymphocytes. Kehrl JH, et al. **J Immunol** 1986 Dec 15;137(12):3855–60

Recombinant interferon-alpha, -beta, and -gamma enhance the proliferative response of human B cells. Morikawa K, et al. **J Immunol** 1987 Aug 1;139(3):761–6

Effects of cyclosporine on responses of murine B cells to T cell-derived lymphokines. O'Garra A, et al. **J Immunol** 1986 Oct 1;137(7):2220–4

Immunologic effects of interferon-alpha in man: treatment with human recombinant interferon-alpha suppresses in vitro immunoglobulin production in patients with chronic type B hepatitis. Peters M, et al. **J Immunol** 1986 Nov 15; 137(10):3147–52

Reactivity of Leu-1+ tonsillar B cells to a high molecular weight B cell growth factor. Richard Y, et al. **J Immunol** 1987 Sep 1;139(5):1563–7

B cell triggering properties of a nontoxic derivative of amphotericin B. Sarthou P, et al. **J Immunol** 1986 Oct 1; 137(7):2156–61

Autocrine growth function of human interleukin 1 molecules on ROHA-9, an EBV-transformed human B cell line. Scala G, et al. **J Immunol** 1987 Apr 15;138(8):2527–34

Development and characterization of a human B cell line that responds to B cell growth factor but not interleukin 2. Tseng CT, et al. **J Immunol** 1987 Apr 15;138(8):2554–60

The antigenic and mitogenic response of murine T and B lymphocytes to soluble proteins of Listeria monocytogenes. Wentworth PA, et al. **J Immunol** 1987 Apr 15; 138(8):2671–8

Production of IgG-producing hybridomas by in vitro stimulation of murine spleen cells. Takahashi M, et al. **J Immunol Methods** 1987 Feb 11;96(2):247–53

The characterization of a human B cell line utilizable for the assay of B cell growth factors. Warrington RJ. **J Immunol Methods** 1987 Jun 26;100(1-2):117–22

High efficiency gene transfer and expression in normal murine B lymphocytes. Wu DD, et al. **J Immunol Methods** 1987 Aug 3;101(2):279–85

Modification of ribonucleotide and deoxyribonucleotide metabolism in interferon-treated human B-lymphoblastoid cells. Barankiewicz J, et al. **J Interferon Res** 1986 Dec; 6(6):717–27

Cellular immunity in experimental fungus infections in mice: the influence of infections and treatment with a Candida toxin on spleen lymphoid cells. Iwata K, et al. **Mykosen [Suppl]** 1978;1:72–81

Murine B-cell stimulatory factor 1 (interleukin 4) increases expression of the Fc receptor for IgE on mouse B cells. Hudak SA, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(13):4606–10

Evidence that cyclophosphamide is a strong inhibitor of human B cell proliferation. Górski A, et al. **Transplantation** 1987 Mar;43(3):441–2

[Changes in the functional activity and kinetics of macrophages and lymphocytes as affected by retinoic acid] Nozdrin VI, et al. **Biull Eksp Biol Med** 1987 Jun; 103(6):705–7 (Eng. Abstr.) **(Rus)**

[Assessment of the effect of prospidin and cyclophosphane on the indices of the T and B immune responses in vitro] Benenson EB, et al. **Farmakol Toksikol** 1987 Mar-Apr; 50(2):54–6 (Eng. Abstr.) **(Rus)**

[Mathematical modelling of the action of methotrexate on the kinetics of B-lymphocyte proliferation during the primary response] Loginov AV, et al. **Farmakol Toksikol** 1987 Mar-Apr;50(2):58–70 (Eng. Abstr.) **(Rus)**

[Effect of anticonvulsant agents, inducers of microsomal oxidation, on the B-link of immunity and on the natural cytotoxicity of lymphoid organ cells in rats] Saratikov AS, et al. **Farmakol Toksikol** 1987 Jan-Feb;50(1):52–7 (Eng. Abstr.) **(Rus)**

[Effect of levamisole on T- and B-lymphocyte counts in viral hepatitis B] Vozianova ZhI, et al. **Vrach Delo** 1986 Nov;(11):112–4 (Eng. Abstr.) **(Rus)**

[Effect of staphylococcal toxin on lymphocyte receptors and function] Novikov DK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Apr;(4):63–6 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Expression of dipeptidylaminopeptidase-IV in some human T and B cell lines. Srivastava MD, et al. **Acta Haematol (Basel)** 1986;76(1):25–8

An explanation for the heterogeneity in B lymphocyte ecto-5'-nucleotidase activity in patients with hypogammaglobulinemia. Thompson LF, et al. **Adv Exp Med Biol** 1986;195 Pt B:399–405

Possible role of cell surface insulin degrading enzyme in cultured human lymphocytes. Yaso S, et al. **Diabetologia** 1987 Jan;30(1):27–32

Induction of oligo-2',5'-adenylate synthetase in human lymphoid cells treated with 5-azacytosine and 5-iododeoxyuridine. Fujii N, et al. **J Gen Virol** 1986 Nov; 67 (Pt 11):2521–6

Ecto-5'-nucleotidase expression during human B cell development. An explanation for the heterogeneity in B lymphocyte ecto-5'-nucleotidase activity in patients with hypogammaglobulinemia. Thompson LF, et al. **J Immunol** 1986 Oct 15;137(8):2496–500

Detection of ecto-5'-nucleotidase on rat B and T lymphocyte subpopulations using a monoclonal antibody in rosetting reactions. Carvalho GS, et al. **J Immunol Methods** 1987 Aug 24;102(1):119–26

Acid hydrolases in B-chronic lymphocytic leukemia (B-CLL): a comparison with normal peripheral B lymphocytes and normal B-cell subset with the phenotype of B-leukaemic cells. Palestro G, et al. **Leuk Res** 1987; 11(5):429–36

Ia binding ligands and cAMP stimulate nuclear translocation of PKC in B lymphocytes. Cambier JC, et al. **Nature** 1987 Jun 18-24;327(6123):629–32

IMMUNOLOGY

Genetics of B and T cell recognition. Nowak JS. **Acta Anthropogenet** 1985;9(1-3):1–19 (65 ref.)

Autoreactive lymphocytes in thyroid disorders. Quantitation of anti-thyroglobulin antibody formation by a specific haemolytic plaque forming cell (PFC) assay. Petersen J, et al. **Acta Endocrinol (Copenh)** 1986 Sep;113(1):50–5

Characterization of thyroid infiltrating lymphocytes in Hashimoto's thyroiditis: detection of B and T cells specific for thyroid antigens. Del Prete GF, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:111–4

B cell activation in multiple sclerosis. Sandberg M, et al. **Acta Neurol Scand** 1986 Dec;74(6):417–24

Abnormal immune responses during hypozincaemia in acrodermatitis enteropathica. Anttila PH, et al. **Acta Paediatr Scand** 1986 Nov;75(6):988–92

Influenza virus depresses the PFC response of mice by affecting T-cell function. Ichikawa K, et al. **Acta Virol (Praha)** 1987 May;31(3):203–17

The activation, proliferation, and differentiation of human B lymphocytes. Ambrus JL Jr, et al. **Adv Exp Med Biol** 1987;213:163–75

Coupling of B cell surface Ig, Ia and BSF1 receptors to intracellular "second messengers".Cambier JC, et al. **Adv Exp Med Biol** 1987;213:195–205

Transmembrane signaling reactions generated in B cells in response to anti-IgM or lipopolysaccharide. DeFranco AL. **Adv Exp Med Biol** 1987;213:189–93

Delineation of human B cell differentiation: immunological and molecular characterization of human B cell differentiation factor (BSF-2). Kishimoto T, et al. **Adv Exp Med Biol** 1987;213:177–88

B lymphocyte activation. The roles of receptor cross-linkage and BSF-1. Paul WE, et al. **Adv Exp Med Biol** 1987; 213:207–14

Autocrine growth function of interleukin-1-like molecules secreted by neoplastic human B cells. Scala G, et al. **Adv Exp Med Biol** 1987;213:115–24

IgG1 induction factor: a single molecular entity with multiple biological functions. Sideras P, et al. **Adv Exp Med Biol** 1987;213:227–36

B cell growth factor interactions. Swain SL, et al. **Adv Exp Med Biol** 1987;213:215–25

Inhibition of human B cell proliferation by ion channel blockers. Vayuvegula B, et al. **Adv Exp Med Biol** 1987; 213:237–40

Antigen presentation by B cells and its significance in T-B interactions. Chesnut RW, et al. **Adv Immunol** 1986; 39:51–94 (103 ref.)

Immunoglobulin-specific suppressor T cells. Lynch RG. **Adv Immunol** 1987;40:135–51 (70 ref.)

Surface marker expression of human B-cell lymphomas. Ishii Y, et al. **AIDS Res** 1986 Dec;2 Suppl 1:S87–93

Action of persistent administration of a hapten with a reactive group (TNBS) and mono-or divalent conjugates of hapten to molecules without other reactive groups on anti-TNP-LPS response [published erratum appears in Allergol Immunopathol (Madr) 1987 Mar-Apr;15(2):117] Tuset ?4, et al. **Allergol Immunopathol (Madr)** 1987 Jan-Feb; 15(1):7–14

The marginal zone in the human reactive lymph node. van den Oord JJ, et al. **Am J Clin Pathol** 1986 Oct;86(4):475–9

In vitro immunoglobulin production, proliferation, and cell markers before and after antithymocyte globulin therapy in patients with aplastic anemia. Lum LG, et al. **Am J Hematol** 1987 Sep;26(1):1–15

Monoclonal antibodies marking T lymphocytes in paraffin-embedded tissue. Linder J, et al. **Am J Pathol** 1987 Apr;127(1):1–8

Tonsillar mapping of determinants found on normal lymphoreticular (T,B,K, immature and macrophage) and myeloblastic leukemia cells. McMillan EM, et al. **Am J Pathol** 1987 Mar;126(3):452–63

Characterization of feline T and B cells. Kuramochi T, et al. **Am J Vet Res** 1987 Feb;48(2):183–5

T-cell-dependent modulation of the polyclonal B-lymphocyte responses in normal spleen cell cultures stimulated by lipopolysaccharide. Björklund M, et al. **Ann Inst Pasteur Immunol** 1987 Mar-Apr;138(2):181–99

All in the superfamily: presentation of antigen receptors in the context of the major histocompatibility complex. Leserman L. **Ann Inst Pasteur Immunol** 1987 Jan-Feb; 138(1):53–63

Distribution of immunocompetent cells underlying psychoneuroimmunomodulation. Brain neuromediator control mechanisms. Devoino L, et al. **Ann NY Acad Sci** 1987;496:292–300

T and B cell connections in experimentally induced autoimmunity. Male DK, et al. **Ann NY Acad Sci** 1986; 475:94–105

Alteration of immune competency by number of mice housed per cage. Rabin BS, et al. **Ann NY Acad Sci** 1987; 496:492–500

Fluctuations in anti-nRNP levels in patients with mixed connective tissue disease are related to disease activity as part of a polyclonal B cell response. Houtman PM, et al. **Ann Rheum Dis** 1986 Oct;45(10):800–8

Deficient control of in vitro Epstein-Barr virus infection in patients with ankylosing spondylitis. Robinson S, et al. **Ann Rheum Dis** 1986 Dec;45(12):974–7

CD5 positive B cells in patients with rheumatoid arthritis: phorbol ester mediated enhancement of detection. Youinou P, et al. **Ann Rheum Dis** 1987 Jan;46(1):17–22

Human lymphocyte and lymphoma homing receptors. Jalkanen S, et al. **Annu Rev Med** 1987;38:467–76 (16 ref.)

Natural and concanavalin A-induced cytotoxic activity towards continuously growing B lymphocytes derived from patients with cutaneous T-cell lymphoma. Jensen JR, et al. **Arch Dermatol Res** 1986;279(1):12–5

Immune response against P815X2 mastocytoma growing in syngeneic DBA/2 mice. III. Morphometric assessment of the dynamic changes in post-capillary venules as regulatory elements of lymphocyte recirculation in tumor-draining lymph nodes. Tosi P, et al. **Arch Geschwulstforsch** 1987; 57(1):7–15

Identification of cells producing anti-treponemal lymphotoxin (ATL). Podwińska J. **Arch Immunol Ther Exp (Warsz)** 1987;35(1):63–70

Effect of serum lymphocytotoxic activity on T and B cells in rabbits infected with Treponema pallidum. Podwińska J, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(1):59–64

Anti-Purkinje cell antibody producing B-cell lines from a patient with paraneoplastic cerebellar degeneration. Tsukamoto T, et al. **Arch Neurol** 1987 Aug;44(8):833–7

Stimulation of B cell differentiation by adherent mononuclear cells in systemic lupus erythematosus. Jandl RC, et al. **Arthritis Rheum** 1987 Jul;30(7):761–8

2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) enhances antibody production and protein kinase activity in murine B cells. Kramer CM, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):25–33

Antibody to human lymphocyte actin regulates immunoglobulin secretion by an EBV-transformed human B-cell line. Rosenblatt HM, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):399–405

Inhibitors of protein kinase C block activation of B lymphocytes by bacterial lipopolysaccharide. Rush JS, et al. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1315–20

Influence of the antileukemic and anti-human immunodeficiency virus agent avarol on selected immune responses in vitro and in vivo. Müller WE, et al. **Biochem Pharmacol** 1987 May 1;36(9):1489–94

Why affinity progression of antibodies during immune responses is probably not accompanied by parallel changes in the immunoglobulin-like antigen-specific receptors on T cells. Eisen HN. **Bioessays** 1986 Jun;4(6):269–72

Strategies for the design and use of tumor-reactive human monoclonal antibodies. Gaffar SA, et al. **Bioessays** 1986 Mar;4(3):119–23

Membrane recycling and antigen presentation. Watts C, et al. **Bioessays** 1986 Jun;4(6):265–7

Monoclonal antibody Ki-B3 detects a formalin resistant antigen on normal and neoplastic B cells. Feller AC, et al. **Blood** 1987 Sep;70(3):629–36

Evidence for chemical differences in HLA-DR molecules on autologous acute lymphoblastic leukemia and B-lymphoblastoid cell lines [published erratum appears in Blood 1987 Apr;69(4):1272] Graf L, et al. **Blood** 1987 Jan; 69(1):7–11

In vitro tests that predict tumor-associated idiotype levels in the serum of patients with B cell lymphomas and leukemias. Miller RA, et al. **Blood** 1987 Apr;69(4):1249–54

Cytoplasmic immunoglobulins in chronic lymphocytic leukemia B cells. Pianezze G, et al. **Blood** 1987 Apr; 69(4):1011–4

Phenotypic similarities and differences between CALLA-positive acute lymphoblastic leukemia cells and normal marrow CALLA-positive B cell precursors. Ryan DH, et al. **Blood** 1987 Sep;70(3):814–21

Monoclonal anti-light chain idiotype as a tumor-specific probe for human neoplastic B lymphocytes. Wrightham M, et al. **Blood** 1987 Mar;69(3):919–23

Does the CLL B lymphocyte correspond to expansion of an immature B clone or to expansion of a distinct subpopulation of B cells? Dighiero G, et al. **Blood Cells** 1987;12(2):385–97 (71 ref.)

Reactivity of B leukemic lymphocytes of patients with chronic lymphocytic leukemia to PWM and PHA. Isaković K, et al. **Blood Cells** 1987;12(2):355–64

Long term antibody production in cultures of peripheral blood lymphocytes. Luzzati AL, et al. **Boll Ist Sieroter Milan** 1987;66(1):46–54

Long survival in B-CLL correlates with surface IgM kappa

phenotype. Hamblin TJ, et al. **Br J Haematol** 1987 May; 66(1):21–6

Richter's syndrome with two different B-cell clones. McDonnell JM, et al. **Cancer** 1986 Nov 1;58(9):2031–7

Selective killing of normal and neoplastic human B cells with anti-CD19- and anti-CD22-ricin A chain immunotoxins. May RD, et al. **Cancer Drug Deliv** 1986 Fall;3(4):261–72

Impaired T- and B-cell functions in patients with Hodgkin's disease. Reduced mitogenic responsibility and Il-2 production is not caused by defective CD4+-cells. Bergmann L, et al. **Cancer Immunol Immunother** 1987; 25(1):59–64

Two new monoclonal antibodies, Lym-1 and Lym-2, reactive with human B-lymphocytes and derived tumors, with immunodiagnostic and immunotherapeutic potential. Epstein AL, et al. **Cancer Res** 1987 Feb 1;47(3):830–40

Cellular distribution of a B-cell specific surface antigen (gp54) detected by a monoclonal antibody (anti-BL4). Hashimi L, et al. **Cancer Res** 1986 Oct;46(10):5431–7

Surface immunoglobulin of B-lymphocytic tumours as a therapeutic target. Stevenson GT, et al. **Cancer Surv** 1985; 4(1):213–44 (90 ref.)

Molecular structure of human lymphocyte receptor for immunoglobulin E. Kikutani H, et al. **Cell** 1986 Dec 5; 47(5):657–65

Diversity achieved by diverse mechanisms: gene conversion in developing B cells of the chicken. Maizels N. **Cell** 1987 Feb 13;48(3):359–60 (12 ref.)

Analysis of somatic mutation and class switching in naive and memory B cells generating adoptive primary and secondary responses. Siekevitz M, et al. **Cell** 1987 Mar 13; 48(5):757–70

The role of cytoplasmic free calcium concentration in B-cell tolerance. Aldo-Benson M, et al. **Cell Immunol** 1987 Sep; 108(2):335–42

An in vitro model for clonal anergy in continuously growing antigen-specific B-cell lines. Aldo-Benson MA. **Cell Immunol** 1986 Sep;101(2):391–402

Monoclonal anti-actin antibody recognizes a surface molecule on normal and transformed human B lymphocytes: expression varies with phase of cell cycle. Bach MA, et al. **Cell Immunol** 1986 Apr 1;98(2):364–74

Heterogeneity of B-cell growth factor receptor reactivity in healthy donors and in patients with chronic lymphatic leukemia: relationship to B-cell-derived lymphokines. Benjamin D, et al. **Cell Immunol** 1986 Dec;103(2):394–408

Long-term-cultured mouse B-lymphocyte line. II. Modulation of Ia-antigen expression on B-lymphocyte line. Bitoh S, et al. **Cell Immunol** 1987 Jun;107(1):148–57

Functional defect of heat-inactivated human lymphocytes in mixed-lymphocyte culture. Boyer CM, et al. **Cell Immunol** 1986 Sep;101(2):440–53

Abnormal expression of surface immunoglobulin isotypes on antigen-binding B lymphocytes from mice tolerant to trinitrophenyl determinants. Brasington RD, et al. **Cell Immunol** 1987 Jul;107(2):408–16

Influence of immunoglobulin isotypes and lymphoid cell phenotype on the transfer of immune complexes to follicular dendritic cells. Braun M, et al. **Cell Immunol** 1987 Jun;107(1):99–106

In vitro translation of B-cell stimulatory factor-1 in Xenopus laevis oocytes. Brown MA, et al. **Cell Immunol** 1986 Apr 1;98(2):538–43

Polyclonal activation of primed rat B cells. Burg DL, et al. **Cell Immunol** 1986 Apr 1;98(2):351–63

Human B lymphocytes capable of spontaneous Ig production in short-term cultures. II. Relationship with the spontaneous DNA-synthesizing B cells. de la Sen ML, et al. **Cell Immunol** 1987 Feb;104(2):281–9

B-lymphocyte regulation of the immune system. III. Preparation and characterization of rabbit antibodies that inhibit the biological activity of the lymphokine, B-cell-derived enhancing factor (BEF). Del Guercio P, et al. **Cell Immunol** 1986 Apr 1;98(2):333–40

In vitro effects of retinoids on murine thymus-dependent and thymus-independent mitogenesis. Dillehay DL, et al. **Cell Immunol** 1987 Jun;107(1):130–7

Supernatant from a cloned helper T cell stimulates resting B cells to express transferrin and IL-2 receptors. Diu A, et al. **Cell Immunol** 1987 Jul;107(2):471–8

Immunity to Plasmodium yoelii: kinetics of the generation of T and B lymphocytes that passively transfer protective immunity against virulent challenge. Fahey JR, et al. **Cell Immunol** 1986 Apr 1;98(2):486–95

Increased activation of antigen-primed or memory B cells by bacterial lipopolysaccharide. Fauntleroy MB, et al. **Cell Immunol** 1987 Jul;107(2):263–72

Antigen-induced and polyclonal B-cell responses in human peripheral blood lymphocyte cultures. Galanaud P, et al. **Cell Immunol** 1987 May;106(2):234–41

Role of HLA class I and class II antigens in activation and differentiation of B cells. Giudizi MG, et al. **Cell Immunol** 1987 Aug;108(1):97–108

Functional and biochemical characterization of B-cell differentiation factor (BCDF) produced by an HTLV-I-transformed human T-cell clone and demonstration of specific binding of the factor to a BCDF responsive cell line. Goldstein H, et al. **Cell Immunol** 1987 Sep;108(2):343–55

Sensitized (T6 x RFM)F1 donor B cells contribute to hypergammaglobulinemia and to poor primary responses in RFM mice with allogenic host versus graft disease. Hard RC Jr, et al. **Cell Immunol** 1986 Sep;101(2):593–603

Dendritic and B-cell function during antibody responses in normal and immunodeficient (xid) mouse spleen cultures. Inaba K, et al. **Cell Immunol** 1987 Apr 1;105(2):432–42

B cells as antigen-presenting cells: antigen-specific IL-2 production by cloned T cells without expression of IL-2 receptors. Kakiuchi T, et al. **Cell Immunol** 1987 Aug; 108(1):150–61

B cells as antigen-presenting cells: antibody production in vitro against a T-dependent antigen. Kakiuchi T, et al. **Cell Immunol** 1986 Jul;100(2):515–24

Cloning of mitogen- and antigen-reactive B lymphocytes on filter paper discs. II. Paratope frequencies within the mitogen-selected repertoire. Kelsoe G, et al. **Cell Immunol** 1986 Apr 1;98(2):506–16

Clonal analysis of antigen-specific interactions between T cells and genetically engineered B cells. Kitagami K, et al. **Cell Immunol** 1987 Sep;108(2):438–51

Regulation of the growth of Epstein-Barr virus-infected B cells: temporal profile of the in vitro development of three distinct cytotoxic cells. Konttinen YT, et al. **Cell Immunol** 1986 Nov;103(1):84–95

Regulatory action of immune B cells on delayed-type hypersensitivity in mice. Kuribayashi K, et al. **Cell Immunol** 1987 Sep;108(2):366–77

B-cell activation stimulated by monoclonal anti-Lyb2.1 antibody is mediated through a receptor distinct from the BSF-1 receptor. Laurindo I, et al. **Cell Immunol** 1987 Sep; 108(2):473–82

Epstein-Barr virus-transformed B cells process and present Mycobacterium tuberculosis particulate antigens to T-cell clones. Lombardi G, et al. **Cell Immunol** 1987 Jul; 107(2):281–92

Increased membrane immunoglobulin capping of B cells from C57Bl/6 lpr/lpr and C57Bl/6 nu/nu mice. Mosbach-Ozmen L, et al. **Cell Immunol** 1986 Apr 1; 98(2):517–24

The effects of cytokines and adherent cells on the interleukin 4-mediated induction of Ia antigens on resting B cells. Oliver K, et al. **Cell Immunol** 1987 May;106(2):428–36

Regulation of B-lymphocyte activation, proliferation, and immunoglobulin secretion. Paul WE, et al. **Cell Immunol** 1986 Apr 15;99(1):7–13

Presentation of Candida albicans and purified protein derivative soluble antigens by Epstein-Barr virus-transformed human lymphoblastoid B-cell lines. Reitnauer PJ, et al. **Cell Immunol** 1986 Apr 15; 99(1):196–208

Stimulation of murine B cells by the combination of calcium ionophore plus phorbol ester. Rothstein TL, et al. **Cell Immunol** 1986 Oct 15;102(2):364–73

Antigen-specific memory and virgin B cells differ in their requirements for conjugation to T cells. Sanders VM, et al. **Cell Immunol** 1987 Feb;104(2):419–25

The role of monoclonal antibodies and the recombinant DNA technology in studying autoantibody production. Scharff MD, et al. **Cell Immunol** 1986 Apr 15;99(1):29–37

Secretions of anti-myelin-associated glycoprotein antibodies by B cells from patients with neuropathy and nonmalignant monoclonal gammopathy. Spatz L, et al. **Cell Immunol** 1986 Dec;103(2):434–40

Differential recognition of tumor-derived and in vitro Epstein-Barr virus-transformed B-cell lines by fetal calf serum-specific T4-positive cytotoxic T-lymphocyte clones. Torsteinsdottir S, et al. **Cell Immunol** 1986 Apr 1; 98(2):453–66

A syngeneic MLR induced in vivo results in T-cell mediated immune suppression. van Vollenhoven RF, et al. **Cell Immunol** 1987 May;106(2):397–407

Clonal analysis of autoreactive B cells in a murine model of autoimmune hemolytic anemia. Walker KZ, et al. **Cell Immunol** 1987 Jun;107(1):227–37

Serum-mediated suppression of nonspecific B-cell activation. III. Selective inhibition of the polyclonal B-cell response by normal mouse serum. Walker SM, et al. **Cell Immunol** 1987 Jul;107(2):433–42

C-reactive protein reduces the promotion of human B-cell colony formation by autoreactive T4 cells and T-cell proliferation during the autologous mixed-lymphocyte reaction. Whisler RL, et al. **Cell Immunol** 1986 Oct 15; 102(2):287–98

Regulation of T15 idiotype dominance. III. Phosphocholine-specific B-cell activation in vivo requires major histocompatibility complex-restricted T-cell help. Wicker LS, et al. **Cell Immunol** 1986 Jul;100(2):570–6

Neurotropin immunostimulating action on immunocompetent cells. Zhang GS, et al. **Chin Med J [Engl]** 1986 Apr; 99(4):343–6

B lymphocyte activation by insoluble anti-mu antibodies in patients with systemic lupus erythematosus. Becker H, et al. **Clin Exp Immunol** 1986 Nov;66(2):365–72

Appearance of spontaneously Ig secreting B cells in human peripheral blood after surgery. Di Padova F, et al. **Clin Exp Immunol** 1986 Sep;65(3):582–8

B cells in patients with X-linked and 'common variable' hypogammaglobulinaemia. Golay JT, et al. **Clin Exp Immunol** 1986 Jul;65(1):100–4

Expression of the B cell repertoire and autoantibodies in human African trypanosomiasis. Kazyumba G, et al. **Clin Exp Immunol** 1986 Jul;65(1):10–8

Endothelial cell enhancement of PWM induced immunoglobulin synthesis by peripheral blood mononuclear cells. King MA, et al. **Clin Exp Immunol** 1986 Sep;65(3):589–97

Variability in B cell maturation and differentiation in X-linked agammaglobulinemia. Leickley FE, et al. **Clin Exp Immunol** 1986 Jul;65(1):90–9

Stimulating and differentiation factors for human B lymphocytes in systemic lupus erythematosus. Martinez-Cordero E, et al. **Clin Exp Immunol** 1986 Sep; 65(3):598–604

Thyroid stimulating immunoglobulin (TSI) synthesis by pokeweed mitogen (PWM) stimulated peripheral blood lymphocytes (PBL) from Graves' disease (GD) patients. Pautard B, et al. **Clin Exp Immunol** 1986 Nov;66(2):435–42

Lymphocyte expression of a 90 kD brush border antigen. Van Leer EH, et al. **Clin Exp Immunol** 1987 Mar; 67(3):572–80

Responses of 'mature' human B lymphocyte lines to inducers of maturation and activation. Zola H, et al. **Clin Exp Immunol** 1986 Nov;66(2):373–83

IgG subclass potential of surface IgM-negative and surface IgM-positive human peripheral blood B cells. Conley ME, et al. **Clin Immunol Immunopathol** 1987 May;43(2):211–22

A shared B-T cell phenotype in autoimmune mice bearing the lpr gene. Dauphinée MJ, et al. **Clin Immunol Immunopathol** 1987 Jul;44(1):71–81

Defective in vitro immunoglobulin production in response to pokeweed mitogen in patients with Hodgkin's disease pretreatment and in remission. Dickinson AM, et al. **Clin Immunol Immunopathol** 1986 Nov;41(2):281–9

Long-term cultures of chronic lymphocytic leukemia B cells generate B suppressor cells. Farkas R, et al. **Clin Immunol Immunopathol** 1987 Feb;42(2):171–82

The kinetic study on cell surface antigens of a hybridoma between human B cells and a mouse B-cell line. Hamano T, et al. **Clin Immunol Immunopathol** 1986 Nov; 41(2):236–46

Immunoglobulin synthesis in myelodysplastic syndromes: normal B-cell and immunoregulatory T-cell functions. Merchav S, et al. **Clin Immunol Immunopathol** 1987 Feb; 42(2):195–201

Functional effects of epidermal cell culture supernatants (ECCS) on human B-cell activation. Penso D, et al. **Clin Immunol Immunopathol** 1987 May;43(2):163–73

Effects of immunoglobulin G from patients with systemic lupus erythematosus on human B cell function. Ramirez F, et al. **Clin Immunol Immunopathol** 1987 Aug; 44(2):219–34

Reconstitution of T- and B-cell function after T-lymphocyte-depleted haploidentical bone marrow transplantation in severe combined immunodeficiency due to adenosine deaminase deficiency. Silber GM, et al. **Clin Immunol Immunopathol** 1987 Sep;44(3):317–20

Inhibition of spontaneous proliferation of human leukemic B cells from patients with chronic lymphocytic leukemia by anti-mu antibodies. Steinberg J, et al. **Clin Immunol Immunopathol** 1987 Sep;44(3):371–80

Modulation of the immune response by immunoglobulin for intravenous use. II. Inhibitory effects of sera from treated patients. Stohl W, et al. **Clin Immunol Immunopathol** 1986 Nov;41(2):273–80

Cellular immunity in patients with systemic juvenile rheumatoid arthritis. Tsokos GC, et al. **Clin Immunol Immunopathol** 1987 Jan;42(1):86–92

T and B peripheral blood lymphocytes in normal and lymphocytotic sheep. Djilali S, et al. **Comp Immunol Microbiol Infect Dis** 1987;10(2):141–7

Identification of a spontaneously shed fragment of B cell complement receptor type two (CR2) containing the C3d-binding site. Myones BL, et al. **Complement** 1987; 4(2):87–98

Role of B cell lymphokines in immunoregulation. del Guercio P, et al. **Concepts Immunopathol** 1986;3:109–57 (70 ref.)

Role of cytokines in T and B cell mediated immunity. Gately MK, et al. **Concepts Immunopathol** 1986;3:74–108 (136 ref.)

Role of the LFA-1 molecule in B cell differentiation. Bishop GA, et al. **Curr Top Microbiol Immunol** 1986;132:142–7

Epstein-Barr virus induced differentiation of early B-lineage cells. Kubagawa H, et al. **Curr Top Microbiol Immunol** 1986;132:246–50

Antigen presentation by B lymphocytes: a critical step in T-B collaboration. Lanzavecchia A. **Curr Top Microbiol Immunol** 1986;130:65–78

Interleukin-4 (B cell growth factor-II/eosinophil differentiation factor) is a mitogen and differentiation factor for preactivated murine B lymphocytes. O'Garra A, et al. **Curr Top Microbiol Immunol** 1986;132:133–41

Different maturation capabilities of chronic lymphocytic leukaemia lymphocytes in vitro. Rożynkowa D, et al. **Cytobios** 1986;48(192):31–7

Flow cytometric analysis of murine splenic B lymphocyte cytosolic free calcium response to anti-IgM and anti-IgD. Chused TM, et al. **Cytometry** 1987 Jul;8(4):396–404

The development of lymphocytes with T- or B-membrane determinants in the lizard embryo. el Deeb S, et al. **Dev Comp Immunol** 1986 Summer;10(3):353–64

Polyclonal activation of salmonid B lymphocytes. Kaattari SL, et al. **Dev Comp Immunol** 1987 Winter;11(1):155–65

Multiple low-dose streptozotocin-induced diabetes in the mouse: further evidence for involvement of an anti-B cell cytotoxic cellular auto-immune response. McEvoy RC, et al. **Diabetologia** 1987 Apr;30(4):232–8

Immunological monitoring of bone marrow transplantation.

Voltarelli JC, et al. **Diagn Immunol** 1986;4(4):171–93 (252 ref.)

The mouse immunoglobulin heavy-chain enhancer: effect on transcription in vitro and binding of proteins present in HeLa and lymphoid B cell extracts. Augereau P, et al. **EMBO J** 1986 Aug;5(8):1791–7

The conserved decanucleotide from the immunoglobulin heavy chain promoter induces a very high transcriptional activity in B-cells when introduced into an heterologous promoter. Dreyfus M, et al. **EMBO J** 1987 Jun; 6(6):1685–90

Organization of the murine Ig-related lambda 5 gene transcribed selectively in pre-B lymphocytes. Kudo A, et al. **EMBO J** 1987 Jan;6(1):103–7

Immunoglobulin heavy chain switch region recombination within a retroviral vector in murine pre-B cells. Ott DE, et al. **EMBO J** 1987 Mar;6(3):577–84

B cell growth modulating and differentiating activity of recombinant human 26-kd protein (BSF-2, HuIFN-beta 2, HPGF). Poupart P, et al. **EMBO J** 1987 May; 6(5):1219–24

VHDJH formation and DJH replacement during pre-B differentiation: non-random usage of gene segments. Reth MG, et al. **EMBO J** 1986 Sep;5(9):2131–8

Nuclear factors binding specific sequences within the immunoglobulin enhancer interact differentially with other enhancer elements. Schlokat U, et al. **EMBO J** 1986 Dec 1;5(12):3251–8

The activation antigen BLAST-2, when shed, is an autocrine BCGF for normal and transformed B cells. Swendeman S, et al. **EMBO J** 1987 Jun;6(6):1637–42

Inhibition of N-linked oligosaccharide trimming mannosidases blocks human B cell development. Tulp A, et al. **EMBO J** 1986 Aug;5(8):1783–90

Directed Ig class switch recombination in activated murine B cells. Winter E, et al. **EMBO J** 1987 Jun;6(6):1663–71

VH gene family utilization in colonies derived from B and pre-B cells detected by the RNA colony blot assay. Wu GE, et al. **EMBO J** 1986 Dec 20;5(13):3475–81

Secondary genomic rearrangement events in pre-B cells: VHDJH replacement by a LINE-1 sequence and directed class switching. Yancopoulos GD, et al. **EMBO J** 1986 Dec 1;5(12):3259–66

B cell response in Chlamydia trachomatis endometritis. Lehtinen M, et al. **Eur J Clin Microbiol** 1986 Oct;5(5):596–8

Relationship between immune system and gram-negative bacteria, binding of Salmonella pullorum-gallinarum to chicken lymphocytes. Monno RA, et al. **Eur J Epidemiol** 1986 Dec;2(4):294–9

Blood clonal B cell excess at diagnosis in multiple myeloma: relation to prognosis. Osterborg A, et al. **Eur J Haematol** 1987 Feb;38(2):173–8

Activation of memory and virgin B cell clones in hyperimmune animals. Berek C, et al. **Eur J Immunol** 1987 Aug;17(8):1121–9

Epstein-Barr virus mediates a switch in responsiveness to transforming growth factor, type beta, in cells of the B cell lineage. Blomhoff HK, et al. **Eur J Immunol** 1987 Feb; 17(2):299–301

Engineering of immunogenic peptides by co-linear synthesis of determinants recognized by B and T cells. Borras-Cuesta F, et al. **Eur J Immunol** 1987 Aug;17(8):1213–5

B cell dependence of the congeneic barrier towards idiotype-carrying cells. Bösing-Schneider R, et al. **Eur J Immunol** 1986 Nov;16(11):1401–5

B cell hyperactivity in systemic lupus erythematosus: selectively enhanced responsiveness to a high molecular weight B cell growth factor. Delfraissy JF, et al. **Eur J Immunol** 1986 Oct;16(10):1251–6

Anti-HLA-class II monoclonal antibodies inhibit polyclonal B cell differentiation in vitro at the accessory cell level. De Rie MA, et al. **Eur J Immunol** 1987 Jun;17(6):881–6

Isotypic pattern of the polyclonal B cell response during primary infection by Plasmodium chabaudi and in immune-protected mice. Falanga PB, et al. **Eur J Immunol** 1987 May;17(5):599–603

Possible T4-HLA class II interaction as an essential event in antigen-specific helper T lymphocyte-dependent B cell activation. Fischer A, et al. **Eur J Immunol** 1986 Sep; 16(9):1111–6

Expansion and functional activity of Ly-1+ B cells upon transfer of peritoneal cells into allotype-congenic, newborn mice. Förster I, et al. **Eur J Immunol** 1987 Apr;17(4):521–8

Comparison of the clonal diversity of the B cell repertoires in adult mice that differ in the expression of cell surface IgD. Fultz MJ, et al. **Eur J Immunol** 1987 Aug; 17(8):1137–43

In vivo generation and function of B cells in the presence of a monoclonal anti-IgM antibody: implications for B cell tolerance. Gause A, et al. **Eur J Immunol** 1987 Jul; 17(7):981–90

Immunoglobulin-bearing B cells reconstitute and maintain the murine Ly-1 B cell lineage. Hayakawa K, et al. **Eur J Immunol** 1986 Oct;16(10):1313–6

High efficiency antigen presentation by thyroglobulin-primed murine splenic B cells. Hutchings P, et al. **Eur J Immunol** 1987 Mar;17(3):393–8

Carrier-specific T cells sufficient for the expression of multiple isotypes in B cell cultures. Kotloff DB, et al. **Eur J Immunol** 1987 Jan;17(1):21–6

Differences in the recruitment of virgin B cells into antibody responses to thymus-dependent and thymus-independent type-2 antigens. Lane PJ, et al. **Eur J Immunol** 1986 Dec; 16(12):1569–75

A synthetic vaccine constructed by copolymerization of B and T cell determinants. Leclerc C, et al. **Eur J Immunol** 1987 Feb;17(2):269–73

Long-lived B cells: mitogen reactivity as a tool for studying their life-spans. Lévy M, et al. **Eur J Immunol** 1987 Feb; 17(2):295–8

Analysis of the human tonsil B cell repertoire by somatic hybridization: occurrence of both "monospecific" and "multispecific" (auto)antibody-secreting cells.Logtenberg T, et al. **Eur J Immunol** 1987 Jun;17(6):855–9

Antigen-specific activation of autoreactive B cells in normal human individuals. Logtenberg T, et al. **Eur J Immunol** 1986 Dec;16(12):1497–501

The molecular evolution of the immune response: idiotope-specific suppression indicates that B cells express germ-line-encoded V genes prior to antigenic stimulation. Manser T, et al. **Eur J Immunol** 1986 Nov;16(11):1439–44

Activation of B lymphocytes by Epstein-Barr virus/CR2 receptor interaction. Masucci MG, et al. **Eur J Immunol** 1987 Jun;17(6):815–20

Lymphoma models for B cell activation and tolerance. IV. Growth inhibition by anti-Ig of CH31 and CH33 B lymphoma cells. Pennell CA, et al. **Eur J Immunol** 1986 Dec;16(12):1577–81

Targeting cytotoxic T cells to antigen-specific B lymphocytes. Rammensee HG, et al. **Eur J Immunol** 1987 Mar;17(3):433–6

Antigen presentation by hapten-specific B lymphocytes. III. Analysis of the immunoglobulin-dependent pathway of antigen presentation to interleukin 1-dependent T lymphocytes. Rock KL, et al. **Eur J Immunol** 1986 Nov; 16(11):1407–12

Insulin-specific T cell help to TNP-specific B cells requires activation via the antigen T cell receptor. Rubin B, et al. **Eur J Immunol** 1986 Oct;16(10):1223–9

Analysis of T cell-replacing factor-like activity: potent induction of T helper activity for human B cells by residual concanavalin A and interleukin 2. Sauerwein RW, et al. **Eur J Immunol** 1987 Aug;17(8):1145–50

Bone marrow pro-T and pro-B lymphocyte clones express functional receptors for interleukin (IL) 3 and IL 4/BSF-1 and nonfunctional receptors for IL 2. Sideras P, et al. **Eur J Immunol** 1987 Feb;17(2):217–21

Epstein-Barr virus-induced IgE production in limiting dilution cultures of normal human B cells. Stein LD, et al. **Eur J Immunol** 1986 Sep;16(9):1167–70

Sialylation patterns of lymphocyte function-associated antigen 1 (LFA-1) differ between T and B lymphocytes. Takeda A. **Eur J Immunol** 1987 Feb;17(2):281–6

Function of the LFA-1 and T4 molecules in the direct activation of resting human B lymphocytes by T lymphocytes. Tedder TF, et al. **Eur J Immunol** 1986 Dec; 16(12):1539–43

Functional characterization of monoclonal auto-anti-idiotype antibodies isolated from the early B cell repertoire of BALB/c mice. Vakil M, et al. **Eur J Immunol** 1986 Sep;16(9):1151–8

In vivo suppression of perinatal multispecific B cells results in a distortion of the adult B cell repertoire. Vakil M, et al. **Eur J Immunol** 1986 Sep;16(9):1159–65

Limiting dilution assay for human B cells based on their activation by mutant EL4 thymoma cells: total and antimalaria responder B cell frequencies. Wen L, et al. **Eur J Immunol** 1987 Jun;17(6):887–92

Proliferation of Ly-1 B cells in autoimmune NZB and (NZB x NZW)F1 mice. Wofsy D, et al. **Eur J Immunol** 1987 Jun;17(6):809–14

T cell involvement in the decrease of antigen-responsive B cells in aged mice. Zharhary D. **Eur J Immunol** 1986 Sep; 16(9):1175–8

In vitro analysis of lymphocyte functions in common variable immunodeficiency: heterogeneity in B-cell defects. Matsuoka H, et al. **Eur J Pediatr** 1986 Sep;145(4):252–7

Induction of B-lymphocyte antigens on the chronic myeloid leukemic cell line K562 using sodium butyrate. Fraser JK, et al. **Exp Hematol** 1987 May;15(4):406–13

Monoclonal antibodies to HLA-DP, DQ, and DR determinants: functional effects on the activation and proliferation of normal and EBV-transformed B cells. Howard DR, et al. **Exp Hematol** 1986 Oct;14(9):887–95

A novel muramyl peptide derivative stimulates tumoricidal activity of macrophages and antibody production by B cells. Tenu JP, et al. **FEBS Lett** 1987 Aug 10;220(1):93–7

Immunological activities of muramyl peptides. Bahr GM, et al. **Fed Proc** 1986 Oct;45(11):2541–4

Regulation of class II gene expression in a murine pre-B cell line. Polla BS, et al. **Fed Proc** 1986 Dec;45(13):2995–9 (17 ref.)

Mast cells and basophils in murine lymph nodes stimulated by B-cell mitogen. Włodarski KH, et al. **Folia Biol (Praha)** 1987;33(2):137–40

Concurrent hepatitis B surface antigen and antibody and the clonal selection theory of antibody diversity. Dienstag JL. **Gastroenterology** 1987 Oct;93(4):899–902

Surface immunoglobulin intensivity and p67 (CD5) antigen expression define different forms of B-cell chronic lymphocytic leukaemia. Bassan R, et al. **Haematologica (Pavia)** 1987 May-Jun;72(3):221–5

A case of Richter's syndrome due to the spontaneous proliferation of two immunologically unrelated B cell malignancies. Rossi G, et al. **Haematologica (Pavia)** 1987 Jan-Feb;72(1):67–70

Karyotype, immunophenotype, and clinical outcome: correlations in childhood acute lymphoblastic leukemia. Gregoire MJ, et al. **Hematol Bluttransfus** 1987;30:504–8

A cytological analysis of FMC-7 positive leukaemias. Hart DN, et al. **Hematol Oncol** 1986 Jul-Sep;4(3):205–12

Modulation of the immunological response to hepatitis B virus by antibodies. Celis E, et al. **Hepatology** 1987 May-Jun;7(3):563–8

Differential antigen presentation by heat-treated peripheral blood mononuclear cells and Epstein-Barr virus-transformed lymphoblastoid cell lines (EBV-LCL): heated EBV-LCL present alloantigen and soluble antigen but are deficient in the stimulation of autologous EBV-LCL primed T cells. Mandell RB, et al. **Hum Immunol** 1987 Jul;19(3):163–77

LFA-1 and other accessory molecules functioning in adhesions of T and B lymphocytes. Martz E. **Hum Immunol** 1987 Jan;18(1):3–37 (236 ref.)

A novel HLA class II alloantigen detected by an alloantiserum TK2. Matsuki K, et al. **Hum Immunol** 1987 Mar;18(3):247–56

A cytotoxic monoclonal antibody (HU-39) that detects DRw8 + DRw12. Nakayama T, et al. **Hum Immunol** 1987 Jun;19(2):117–26

Concurrent presence of two clonal populations in small lymphocytic lymphoma of the lung. Ben-Ezra J, et al. **Hum Pathol** 1987 Apr;18(4):399–402

Direct evidence for a primary immune response of murine B-lymphocytes after in vitro immunization of dissociated splenocytes. de Boer M, et al. **Hybridoma** 1987 Jun; 6(3):253–8

A method for the analysis of a large number of specific and multispecific B cell hybridomas derived from primary immunized lymph nodes. Holmdahl R, et al. **Hybridoma** 1987 Apr;6(2):197–204

A monoclonal antibody, GR7A4, reacting with the T10 antigen. Ruiz-Cabello F, et al. **Hybridoma** 1987 Jun; 6(3):275–84

Transcriptional control of mu- and kappa-gene expression in resting and bacterial lipopolysaccharide-activated normal B cells. Chen-Bettecken U, et al. **Immunobiology** 1987 Mar;174(2):162–76

The influence of oxazolone on the recirculation capacity of B and T cells. Kraal G, et al. **Immunobiology** 1987 May; 174(3):326–38

T-independent form of azophenylarsonate fails to reveal "silent" idiotype-positive B cells in idiotype-suppressed mice. Conger JD, et al. **Immunol Invest** 1987 Mar; 16(1):13–9

B-cells purified using azide give different responses in vitro to B-cells purified without azide. Daenke S, et al. **Immunol Lett** 1987 Apr;14(4):331–3

The effects of cyclosporin A on the early responses of B and T cells to Epstein-Barr virus infection. Irving WL, et al. **Immunol Lett** 1986 Oct;13(4):173–8

The IgA subclass responses of human lymphocytes to B-cell activators. Walker L, et al. **Immunol Lett** 1986 Nov 17; 14(1):65–8

Use of the CH lymphomas as models of murine B cell differentiation. Bishop GA, et al. **Immunol Res** 1986; 5(4):263–70

Activation-specific interactions among B-lymphocyte plasma membrane proteins. Goodman MG, et al. **Immunol Res** 1986;5(1):71–8

Induction of antigen-specific antibody responses by nonspecific T cell-derived helper factors. Grusby MJ, et al. **Immunol Res** 1986;5(3):201–9 (33 ref.)

Surface antigens associated with human B cell activation. Jung LK. **Immunol Res** 1986;5(4):249–62 (87 ref.)

Models and mechanisms for signal transduction in B cells. Pennell CA, et al. **Immunol Res** 1986;5(1):61–70

B cell lineages. **Immunol Rev** 1986 Oct;93:1–169

Mutation drift and repertoire shift in the maturation of the immune response. Berek C, et al. **Immunol Rev** 1987 Apr; 96:23–41 (46 ref.)

B-Ly1 cells: immortal Ly-1+ B lymphocyte cell lines spontaneously arising in murine splenic cultures. Braun J, et al. **Immunol Rev** 1986 Oct;93:5–21

Phenotypic and functional characterization of human Leu1 (CD5) B cells. Gadol N, et al. **Immunol Rev** 1986 Oct; 93:23–34

Development and physiology of Ly-1 B and its human homolog, Leu-1 B. Hardy RR, et al. **Immunol Rev** 1986 Oct;93:53–79

The CH series of murine B cell lymphomas: neoplastic analogues of Ly-1+ normal B cells. Haughton G, et al. **Immunol Rev** 1986 Oct;93:35–51

The Ly-1 B cell lineage. Herzenberg LA, et al. **Immunol Rev** 1986 Oct;93:81–102

Antibody repertoires of normal BALB/c mice: B lymphocyte populations defined by state of activation. Holmberg D, et al. **Immunol Rev** 1986 Oct;93:147–69

Idiotype-directed interactions during ontogeny play a major role in the establishment of the adult B cell repertoire. Kearney JF, et al. **Immunol Rev** 1986 Dec;94:39–50

Somatic mutation in human B-cell tumors. Levy R, et al. **Immunol Rev** 1987 Apr;96:43–58 (25 ref.)

CC11: a monoclonal antibody specific for interleukin 3-sensitive mouse cells defines two major populations of B cell precursors in the bone marrow. Palacios R, et al.

Immunol Rev 1986 Oct;93:125–46
Measurements of mutation rates in B lymphocytes. Wabl M, et al. **Immunol Rev** 1987 Apr;96:91–107 (35 ref.)
Enhancement of the B-cell response to Staphylococcus aureus Cowan strain I by natural human gamma interferon. Aoki N, et al. **Immunology** 1987 Jan;60(1):51–5
Monoclonal B-cell response to diphtheria toxoid: evidence for cross-reactive epitopes. Autran B, et al. **Immunology** 1987 Apr;60(4):531–8
Occurrence of autoantibodies to intermediate filament proteins in human visceral leishmaniasis and their induction by experimental polyclonal B-cell activation. Böhme MW, et al. **Immunology** 1986 Dec;59(4):583–8
Immune response to foot-and-mouth disease virus in a murine experimental model: effective thymus-independent primary and secondary reaction. Borca MV, et al. **Immunology** 1986 Oct;59(2):261–7
Activation of B chronic lymphocytic leukaemia cells by Branhamella catarrhalis. Calvert JE, et al. **Immunology** 1987 Jan;60(1):45–50
EB virus induction is associated with B-cell maturation. Crawford DH, et al. **Immunology** 1986 Nov;59(3):405–9
T cells or their products are required for the differentiation of precursor B cells into antibody-secreting cells specific for a supposed T-independent self-antigen. Daenke S, et al. **Immunology** 1987 Jun;61(2):137–42
Effect of cytokines on specific in vitro immunization of human peripheral B lymphocytes against T-cell dependent antigens. Danielsson L, et al. **Immunology** 1987 May; 61(1):51–5
T-24.B-cell differentiation factor induces immunoglobulin secretion in human B cells without prior cell replication. Gallagher G, et al. **Immunology** 1987 Apr;60(4):523–9
Functional B-lymphocyte surface antigens. Golay JT. **Immunology** 1986 Sep;59(1):1–5 (53 ref.)
Triggering of B lymphocytes through CD23: epitope mapping and studies using antibody derivatives indicate an allosteric mechanism of signalling. Gordon J, et al. **Immunology** 1987 Apr;60(4):517–21
Monoclonal antibody NIM-R3 substitutes for B-cell growth factor. Greenwood MR, et al. **Immunology** 1986 Sep; 59(1):7–13
Cap formation in a B-lymphocyte cell line is inhibited by pertussis toxin and phorbol ester. Grewal IS, et al. **Immunology** 1987 Jun;61(2):131–5
Cyclosporin A has differential effects on the responses of murine B cells to TI antigens and B-cell mitogens. Higham AD, et al. **Immunology** 1986 Oct;59(2):203–7
Origin of the autoreactive anti-type II collagen response. I. Frequency of specific and multispecific B cells in primed murine lymph nodes. Holmdahl R, et al. **Immunology** 1987 Jul;61(3):369–74
The contribution of B-cell proliferation to spleen enlargement in Babesia microti-infected mice. Inchley CJ. **Immunology** 1987 Jan;60(1):57–61
Immunocompetence of normal human appendiceal lymphoid cells: in vitro studies. Kawanishi H. **Immunology** 1987 Jan; 60(1):19–28
Con A induction of IgG secretion from a B-lymphoid tumour cell line, A20. Kim KJ, et al. **Immunology** 1986 Sep; 59(1):15–21
Polyclonal B-cell activation by a synthetic analogue of bacterial lipoprotein is functionally different from activation by bacterial lipopolysaccharide. Kleine B, et al. **Immunology** 1987 May;61(1):29–34
Inhibitory mechanism of the proliferative response of B lymphocytes: suppression of the proliferation induced by anti-mu antibody and BSF1 by immune complexes. Miyama-Inaba M, et al. **Immunology** 1987 May;61(1):43–50
The primary mediastinal clear cell lymphoma of B-cell type has variable defects in MHC antigen expression. Möller P, et al. **Immunology** 1986 Nov;59(3):411–7
Inhibitory mechanism of the proliferative responses of resting B cells: feedback regulation by a lymphokine (suppressive B-cell factor) produced by Fc receptor-stimulated B cells. Ohno T, et al. **Immunology** 1987 May;61(1):35–41
Frequency of B-lymphocyte transformation by Epstein-Barr virus decreases with entry into the cell cycle. Roome AJ, et al. **Immunology** 1987 Feb;60(2):195–201
Purification and partial biochemical characterization of IgE-binding factors secreted by a human B lymphoblastoid cell line. Sarfati M, et al. **Immunology** 1987 Apr; 60(4):539–45
Presence of antigenic determinants common to Fc IgE receptors on human macrophages, T and B lymphocytes and IgE-binding factors. Sarfati M, et al. **Immunology** 1986 Dec;59(4):569–75
Tr, T mu and B lymphocytes in erythema nodosum leprosum reactions of leprosy. Rao TD, et al. **Indian J Lepr** 1986 Oct-Dec;58(4):601–8
Preliminary observations on immunologic phenotypes of non-Hodgkin's lymphoma in Indian subjects. Bhargava M, et al. **Indian J Med Res** 1987 Mar;85:289–91
Strong mitogenic effect for murine B lymphocytes of an immunosuppressor substance released by Streptococcus intermedius. Arala-Chaves MP, et al. **Infect Immun** 1986 Nov;54(2):543–8
Induction of human immunoglobulin synthesis (IgG, IgA) by the novel, T cell independent mitogen Cytophaga allerginae endotoxin. Alevy YG, et al. **Int Arch Allergy Appl Immunol** 1987;84(1):79–84
Immunological monitoring and early prediction of rejection in renal allograft recipients. Attallah AM, et al. **Int Arch Allergy Appl Immunol** 1987;84(1):10–7
Synthesis and regulation of the IgE receptor on B lymphocyte cell lines. Conrad DH, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):402–4
Feedback regulation of antibody formation by suppressive B cell factor: preferential suppression of high-affinity antibody production by memory B lymphocytes. Park YH, et al. **Int Arch Allergy Appl Immunol** 1986;81(2):156–64
In vitro IgE synthesis induced by human T cell clones in normal B cells and its suppression by heterogenous T cell populations. Romagnani S, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):411–3
Mitogenic responses of splenic B and T lymphocytes in neonatally capsaicin-treated mice. Sandberg G, et al. **Int Arch Allergy Appl Immunol** 1986;81(4):343–7
Seasonal variations in in vitro synthesis of rye pollen-specific IgE by human peripheral mononuclear cells. Functional heterogeneity within the IgE-B pool. Turner KJ, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):398–401
Defective cell-mediated response to EBV-transformed B cells in a healthy individual with regular EBV antibody titers. Bejarano MT, et al. **Int J Cancer** 1987 Aug 15; 40(2):149–56
Expression of B-cell-specific markers in different Burkitt lymphoma subgroups. Ehlin-Henriksson B, et al. **Int J Cancer** 1987 Feb 15;39(2):211–8
Progenitor and pre-B lymphocytes transformed by Epstein-Barr virus. Ernberg I, et al. **Int J Cancer** 1987 Feb 15;39(2):190–7
EBV-negative and -positive Burkitt cell lines variably express receptors for B-cell activation and differentiation. Favrot MC, et al. **Int J Cancer** 1986 Dec 15;38(6):901–6
HTLV-III infection of EBV-genome-positive B-lymphoid cells with or without detectable T4 antigens. Salahuddin SZ, et al. **Int J Cancer** 1987 Feb 15;39(2):198–202
Monoclonal antibody DLC-48: an effective reagent for use in the depletion of malignant lymphoma from human bone marrow. Winter JN, et al. **Int J Cancer** 1987 Jun 15; 39(6):670–7
Characterization of a human B-lymphocyte carcinoma cross-reacting antigen (BLCa) in B lymphocytes identified by two murine monoclonal antibodies. Yip TC, et al. **Int J Cancer** 1987 Apr 15;39(4):452–8
Characterization of a murine monoclonal-antibody-defined B-lymphocyte carcinoma cross-reacting antigen (BLCa) from nasopharyngeal carcinoma tissues. Yip TC, et al. **Int J Cancer** 1987 Apr 15;39(4):449–51
Enhancement of lymphocyte proliferation, interleukin-2 production and NK activity by immunoferon (AM-3), a fungal immunomodulator: variations in normal and immunosuppressed mice. Rojo JM, et al. **Int J Immunopharmacol** 1986;8(6):593–7
Nocardia water soluble mitogen (NWSM), a human B-lymphocyte mitogen. Silvennoinen-Kassinen S, et al. **Int J Immunopharmacol** 1986;8(8):943–9
Immunocytological study of phlyctenular eye disease. Abu el Asrar AM, et al. **Int Ophthalmol** 1987 Feb;10(1):33–9
Human bone marrow-derived IgA is produced by IgA-committed B cells in vitro. Alley CD. **J Clin Immunol** 1987 Mar;7(2):151–8
Membrane IgD-positive B cells of "low-IgD serum phenotype" individuals fail to secrete IgD and fail to shift to preferential lambda light-chain expression in vitro. Litwin SD, et al. **J Clin Immunol** 1987 Mar;7(2):114–20
Interleukin-2 effects on human B cells activated in vivo. Miyawaki T, et al. **J Clin Immunol** 1987 Jul;7(4):277–87
Humoral immune deficiency in multiple myeloma patients due to compromised B-cell function. Pilarski LM, et al. **J Clin Immunol** 1986 Nov;6(6):491–501
Phenotypical and functional analysis of B lymphocytes of two siblings with combined immunodeficiency and defective expression of major histocompatibility complex (MHC) class II antigens on mononuclear cells. Rijkers GT, et al. **J Clin Immunol** 1987 Mar;7(2):98–106
A case of human B cell leukemia that implicates an autocrine mechanism in the abnormal growth of Leu 1 B cells. Kawamura N, et al. **J Clin Invest** 1986 Nov;78(5):1331–8
Idiotypic markers of polyclonal B cell activation. Public idiotypes shared by monoclonal antibodies derived from patients with systemic lupus erythematosus or leprosy. Mackworth-Young C, et al. **J Clin Invest** 1987 Feb; 79(2):572–81
Experimental gingivitis in a Down's syndrome child and sibling. Reuland-Bosma W, et al. **J Clin Microbiol** 1987 May;25(5):949–51
Major histocompatibility complex class II antigen expression in B and T cell non-Hodgkin's lymphoma. Smith ME, et al. **J Clin Pathol** 1987 Jan;40(1):34–41
Direct T helper-B cell interactions induce an early B cell activation antigen. Crow MK, et al. **J Exp Med** 1986 Nov 1;164(5):1760–72
Development of Ly-1+ B cells in immunodeficient CBA/N mice. de la Hera A, et al. **J Exp Med** 1987 Sep 1; 166(3):804–9
Antibody-defective, genetically susceptible CBA/N mice have an altered Salmonella typhimurium-specific B cell repertoire. Duran LW, et al. **J Exp Med** 1987 Jan 1; 165(1):29–46
Clonal analysis of primary B cells responsive to the pathogenic bacterium Salmonella typhimurium. Duran LW, et al. **J Exp Med** 1987 Feb 1;165(2):340–58
Influence of the macromolecular form of a B cell epitope on the expression of antibody variable and constant region structure. Fish S, et al. **J Exp Med** 1987 Sep 1;166(3):711–24
Antigen-specific, MHC nonrestricted T helper cell-induced B cell activation. Friedman SM, et al. **J Exp Med** 1986 Nov 1;164(5):1773–8
Inhibition of an IgE response by secondary B cells of a different isotype. Haba S, et al. **J Exp Med** 1986 Dec 1; 164(6):2018–30
Systemic autoimmune disease arises from polyclonal B cell activation. Klinman DM, et al. **J Exp Med** 1987 Jun 1; 165(6):1755–60
Gut mucosal immunization with reovirus serotype 1/L stimulates virus-specific cytotoxic T cell precursors as well as IgA memory cells in Peyer's patches. London SD, et al. **J Exp Med** 1987 Mar 1;165(3):830–47
Multiple monoclonal B cell expansions and c-myc oncogene rearrangements in acquired immune deficiency syndrome-related lymphoproliferative disorders. Implications for lymphomagenesis. Pelicci PG, et al. **J Exp Med** 1986 Dec 1;164(6):2049–60
Active lambda and kappa antibody gene rearrangement in Abelson murine leukemia virus-transformed pre-B cell lines. Persiani DM, et al. **J Exp Med** 1987 Jun 1; 165(6):1655–74
Paucity of phosphorylcholine-specific clones in B cells expressing the VHT15 gene product. Primi D, et al. **J Exp Med** 1986 Dec 1;164(6):2107–12
The autoantigen-binding B cell repertoires of normal and of chronically graft-versus-host-diseased mice. Rolink AG, et al. **J Exp Med** 1987 Jun 1;165(6):1675–87
In vitro mutagenesis at a single residue introduces B and T cell epitopes into a class I HLA molecule. Salter RD, et al. **J Exp Med** 1987 Jul 1;166(1):283–8
Functional analysis of influenza-specific helper T cell clones in vivo. T cells specific for internal viral proteins provide cognate help for B cell responses to hemagglutinin. Scherle PA, et al. **J Exp Med** 1986 Oct 1;164(4):1114–28
Genotypic analysis of B cell colonies by in situ hybridization. Stoichiometric expression of three VH families in adult C57BL/6 and BALB/c mice. Schulze DH, et al. **J Exp Med** 1987 Jul 1;166(1):163–72
Selective use of the VHQ52 family in functional VH to DJH rearrangements in a B precursor cell line. Sugiyama H, et al. **J Exp Med** 1987 Aug 1;166(2):607–12
Expression of a monoclonal antibody-defined, B-lineage transformation antigen specifically identifies Abelson-diseased animals. Genetically determined resistance to Abelson murine leukemia virus acts before induction of gp160(6C3). Tidmarsh GF, et al. **J Exp Med** 1986 Oct 1;164(4):1356–61
Virus-specific IgM and IgG antibody production by B cells during herpes simplex virus type 2-induced immunosuppression as analysed by an immunospot assay. Nick S, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):1951–9
A new method to detect directly in culture cell surface membrane immunoglobulins. Cocchiara R, et al. **J Immunoassay** 1986;7(4):337–52
Different sensitivity of B cell lines derived from Burkitt lymphoma (BL) and normal cells (LCL) to cytotoxic T cell clones generated by autologous and allogeneic stimulation. Klein E, et al. **J Immunogenet** 1986 Apr-Jun; 13(2-3):269–74 (24 ref.)
Effects of antigens and lymphokines on early activation of single hapten-specific B lymphocytes. Alderson MR, et al. **J Immunol** 1987 Feb 15;138(4):1056–63
Mechanisms of T and B cell collaboration in the in vitro production of anti-DNA antibodies in the NZB/NZW F1 murine SLE model. Ando DG, et al. **J Immunol** 1987 May 15;138(10):3185–90
Analysis of two distinct B cell activation pathways mediated by a monoclonal T helper cell. I. MHC-restricted activation of B cells by an IL 2-dependent pathway. Asano Y, et al. **J Immunol** 1987 Feb 1;138(3):667–73
Cytotoxic effector function of B lymphoblasts. Bersani L, et al. **J Immunol** 1987 Jul 15;139(2):645–8
Different regulation of the L3T4-T cell subset by B cells in different mouse strains bearing the H-2k haplotype. Brinkmann V, et al. **J Immunol** 1986 Nov 1;137(9):2991–7
Recombinant IL 2 but not recombinant interferon-gamma stimulates both proliferation and IgM secretion in a Ly-1+ clone of neoplastic murine B cells (BCL1). Brooks KH, et al. **J Immunol** 1986 Nov 15;137(10):3205–10
Stimulation of B cell growth and differentiation by murine recombinant interleukin 1. Chiplunkar S, et al. **J Immunol** 1986 Dec 15;137(12):3748–52
Germ-line affinity and germ-line variable-region genes in the B cell response. Chua MM, et al. **J Immunol** 1987 Feb 15;138(4):1281–8
Activation of human B cell proliferation through surface Bp35 (CD20) polypeptides or immunoglobulin receptors. Clark EA, et al. **J Immunol** 1987 Feb 1;138(3):720–5
In vitro regulation of IgA subclass production. III. Selective transformation of IgA1 producing cells by Epstein-Barr virus. Conley ME, et al. **J Immunol** 1987 Mar 1; 138(5):1403–7
Interleukin 2 mediates an alteration in the T200 antigen expressed on activated B lymphocytes. Cook RG, et al. **J Immunol** 1987 Aug 15;139(4):991–7
A novel method to bursectomize avian embryos and obtain quail——chick bursal chimeras. II. Immune response of bursectomized chicks and chimeras and post-natal rejection

of the grafted quail bursas. Corbel C, et al. **J Immunol** 1987 May 1;138(9):2813–21

Defective B cell clonal regulation and autoantibody production in New Zealand black mice. Cowdery JS, et al. **J Immunol** 1987 Feb 1;138(3):760–4

Selective in vitro inhibition of an antibody response to purified acetylcholine receptor by using anti-idiotypic antibodies coupled to the A chain of ricin. DeShambo RM, et al. **J Immunol** 1986 Nov 15;137(10):3135–9

Cell-associated IgM, but not IgD or I-A/E, is important in the activation of suppressor T cells by antigen-primed B cells. Elkins KL, et al. **J Immunol** 1987 Aug 1; 139(3):695–701

Analysis of the interaction of antibodies with immunoglobulin idiotypes on neoplastic B lymphocytes: implications for immunotherapy. Elliott TJ, et al. **J Immunol** 1987 Feb 1; 138(3):981–8

Enhancement of a human antibody response in vitro mediated by interaction of interferon-alpha with T lymphocytes. Evans SS, et al. **J Immunol** 1987 Apr 15;138(8):2451–6

Polyclonal activation of the murine immune system by a goat antibody to mouse IgD. IX. Induction of a polyclonal IgE response. Finkelman FD, et al. **J Immunol** 1987 May 1; 138(9):2826–30

In vivo and in vitro expression of an interleukin 2 receptor by murine B and T lymphocytes. Finkelman FD, et al. **J Immunol** 1986 Oct 1;137(7):2252–9

Production of BSF-1 during an in vivo, T-dependent immune response. Finkelman FD, et al. **J Immunol** 1986 Nov 1;137(9):2878–85

Effect of age on the capacity of the bone marrow and the spleen cells to generate B lymphocytes. Francus T, et al. **J Immunol** 1986 Oct 15;137(8):2411–7

Biochemical characterization and biosynthesis of the Ki-1 antigen in Hodgkin-derived and virus-transformed human B and T lymphoid cell lines. Froese P, et al. **J Immunol** 1987 Sep 15;139(6):2081–7

Anti-idiotypic mechanisms involved in suppression of a mouse B cell lymphoma, BCL1. George AJ, et al. **J Immunol** 1987 Jan 15;138(2):628–34

Idiotype-specific T lymphocytes responsible for the selection of somatic variants of a B cell hybrid. Ghosh SK, et al. **J Immunol** 1987 Apr 1;138(7):2230–5

Genetic analysis of human B cell hybridomas expressing a cross-reactive idiotype. Goldfien RD, et al. **J Immunol** 1987 Feb 1;138(3):940–4

Regulation of B cell activation by prostaglandins: cell cycle-specific effects on activation by anti-immunoglobulin and 8-mercaptoguanosine. Goodman MG. **J Immunol** 1986 Dec 15;137(12):3753–7

B lymphocyte activation. Transmembrane signal transduction by membrane immunoglobulin in isolated cell membranes. Harris LK, et al. **J Immunol** 1987 Aug 1;139(3):963–70

Qc-1, a novel Q-region-controlled CTL determinant expressed on B lymphocytes. Homer RJ, et al. **J Immunol** 1987 Jun 15;138(12):4322–8

T cell independent Thy-1 allo-antibody response with the use of transgenic mice. Isobe K, et al. **J Immunol** 1986 Oct 1;137(7):2089–92

The B cell is the initiating antigen-presenting cell in peripheral lymph nodes. Janeway CA Jr, et al. **J Immunol** 1987 Feb 15;138(4):1051–5

Polypeptide fragments of horse cytochrome c activate a small subset of secondary B lymphocytes primed against the native protein. Jemmerson R. **J Immunol** 1987 Sep 15; 139(6):1939–45

TTGG-A-L-specific memory B cells induced in low responder strains. Johnson DR, et al. **J Immunol** 1986 Nov 1;137(9):2791–5

Different T cell requirements for specific memory induction in normal and xid B cells. Johnson DR, et al. **J Immunol** 1986 Nov 1;137(9):2796–801

Idiotype vaccination against murine B cell lymphoma. Inhibition of tumor immunity by free idiotype protein. Kaminski MS, et al. **J Immunol** 1987 Feb 15;138(4):1289–96

Induction of CD4 suppressor T cells with anti-Leu-8 antibody. Kanof ME, et al. **J Immunol** 1987 Jul 1; 139(1):49–54

Regulation of B cell maturation and differentiation. I. Suppression of pokeweed mitogen-induced B cell differentiation by tumor necrosis factor (TNF). Kashiwa H, et al. **J Immunol** 1987 Mar 1;138(5):1383–90

Polyclonal B cell activation by a B cell differentiation factor, B151-TRF2. II. Evidence for interaction of B151-TRF2 with glycoprotein on B cell membrane via recognition of terminal N-acetyl-D-glucosamine residue(s). Katoh Y, et al. **J Immunol** 1986 Nov 1;137(9):2871–7

Biosynthetic intermediates of HLA class II antigens from B lymphoblastoid cell lines. Kelner DN, et al. **J Immunol** 1986 Oct 15;137(8):2632–9

Role of the transferrin receptor in lymphocyte growth: a rat IgG monoclonal antibody against the murine transferrin receptor produces highly selective inhibition of T and B cell activation protocols. Kemp JD, et al. **J Immunol** 1987 Apr 15;138(8):2422–6

Cloned, Ia-restricted T cells that do not produce interleukin 4(IL 4)/B cell stimulatory factor 1(BSF-1) fail to help antigen-specific B cells. Killar L, et al. **J Immunol** 1987 Mar 15;138(6):1674–9

Monoclonal anti-Id antibodies react with varying proportions of human B lineage cells. Kiyotaki M, et al. **J Immunol** 1987 Jun 15;138(12):4150–8

Complexity of the supertypic HLA-DRw53 specificity: two distinct epitopes differentially expressed on one or all of the DR beta-chains depending on the HLA-DR allotype. Knowles RW, et al. **J Immunol** 1986 Oct 15;137(8):2618–26

Capacity of B cells to function as stimulators of a primary mixed leukocyte reaction. Krieger JI, et al. **J Immunol** 1986 Nov 15;137(10):3117–23

Augmentation of normal and malignant B cell proliferation by monoclonal antibody to the B cell-specific antigen BP50 (CDW40). Ledbetter JA, et al. **J Immunol** 1987 Feb 1; 138(3):788–94

Development and regulation of chlamydia-responsive murine B lymphocytes. Levitt D, et al. **J Immunol** 1987 May 15; 138(10):3468–74

Antigen presentation by hapten-specific B lymphocytes. IV. Comparative ability of B cells to present specific antigen and anti-immunoglobulin antibody. Lichtman AH, et al. **J Immunol** 1987 May 1;138(9):2822–5

A unique antigen on mature B cells defined by a monoclonal antibody. Link MP, et al. **J Immunol** 1986 Nov 1; 137(9):3013–8

The type-specific capsular carbohydrate of Hemophilus influenzae B is a potent mitogen for murine B lymphocytes. Lucas AH, et al. **J Immunol** 1986 Nov 15;137(10):3130–4

Multiple myeloma: an immunologic profile. IV. The EA rosette-forming cell is a Leu-1 positive immunoregulatory B cell. MacKenzie MR, et al. **J Immunol** 1987 Jul 1; 139(1):24–8

Distinct mechanisms regulate MHC class II gene expression in B cells and macrophages. Maffei A, et al. **J Immunol** 1987 Aug 1;139(3):942–8

The role of macrophages in anti-idiotypic antibody and T suppressor factor induction of timothy grass pollen antigen B-specific T suppressor cells. Malley A, et al. **J Immunol** 1987 Aug 15;139(4):1046–53

Infection with the human immunodeficiency virus (HIV) is associated with an in vivo increase in B lymphocyte activation and immaturity. Martínez-Maza O, et al. **J Immunol** 1987 Jun 1;138(11):3720–4

Dissociation between the expression of IL 2 receptor and IL 2 receptor mRNA in the antigen-specific T cell clone stimulated by the specific antigen with B cell APC. Matsui M, et al. **J Immunol** 1987 Jul 15;139(2):373–9

Role of T cell-replacing factor (TRF) in the murine B cell differentiation: induction of increased levels of expression of secreted type IgM mRNA. Matsumoto M, et al. **J Immunol** 1987 Mar 15;138(6):1826–33

The diversity of the secondary Salmonella typhimurium-specific B cell repertoire. Metcalf ES, et al. **J Immunol** 1987 May 15;138(10):3461–7

In vivo activation of quiescent B cells by anti-immunoglobulin. I. Induction of latent VH allotype production in adult rabbits by treatment with heterologous antibodies or antibody fragments. Metzger DW, et al. **J Immunol** 1987 May 1;138(9):2982–7

The effects of phorbol ester on alloantigen presentation. Minami M, et al. **J Immunol** 1987 Jan 15;138(2):393–400

Antibodies to the common leukocyte antigen (T200) inhibit an early phase in the activation of resting human B cells. Mittler RS, et al. **J Immunol** 1987 May 15;138(10):3159–66

Membrane IgM, IgD, and IgG act as signal transmission molecules in a series of B lymphomas. Mizuguchi J, et al. **J Immunol** 1986 Oct 1;137(7):2162–7

Interferon-gamma suppresses B cell stimulation factor (BSF-1) induction of class II MHC determinants on B cells. Mond JJ, et al. **J Immunol** 1986 Dec 1;137(11):3534–7

In vitro human antibody production to the Haemophilus influenzae type b capsular polysaccharide. Munoz JL, et al. **J Immunol** 1987 Sep 15;139(6):2026–31

Regulation of the anti-alpha (1,3) dextran response: two populations of dextran-reactive B cells that differ in their T cell requirements for induction to antibody synthesis. Murray PD, et al. **J Immunol** 1987 Apr 15;138(8):2439–44

Demonstration that human B cells respond differently to interleukin 2 and B cell differentiation factor based on their stages of maturation. Nakagawa T, et al. **J Immunol** 1986 Nov 15;137(10):3175–82

Demonstration of up-regulated IL 2 receptor expression on an in vitro cloned BCL1 subline. Nakanishi K, et al. **J Immunol** 1987 Mar 15;138(6):1817–25

Unusual immunoglobulin DNA sequences from the nonexpressed chromosome of mouse normal B lymphocytes: implications for allelic exclusion and the DNA rearrangement process. Nottenburg C, et al. **J Immunol** 1987 Sep 1;139(5):1718–26

An analysis of in vitro B cell immune responsiveness in human lymphatic filariasis. Nutman TB, et al. **J Immunol** 1987 Jun 1;138(11):3954–9

Role of Ly-6 in lymphocyte activation. I. Characterization of a monoclonal antibody to a nonpolymorphic Ly-6 specificity. Ortega G, et al. **J Immunol** 1986 Nov 15; 137(10):3240–6

Quantitation of cell surface molecules on a differentiating, Ly-1+ B cell lymphoma. Ovnic M, et al. **J Immunol** 1987 May 1;138(9):3075–82

Antibody conjugates mimic specific B cell presentation of antigen: relationship between T and B cell specificity. Ozaki S, et al. **J Immunol** 1987 Jun 15;138(12):4133–42

Kinetics and specificity of T and B cell responses in relapsing experimental allergic encephalomyelitis. Perry LL, et al. **J Immunol** 1987 Mar 1;138(5):1434–41

Antibody-induced antigenic modulation is antigen dependent: characterization of 22 proteins on a malignant human B cell line. Pesando JM, et al. **J Immunol** 1986 Dec 1;137(11):3689–95

Effect of interferon-alpha on immunoglobulin synthesis by human B cells. Peters M, et al. **J Immunol** 1986 Nov 15; 137(10):3153–7

CD19 monoclonal antibody HD37 inhibits anti-immunoglobulin-induced B cell activation and proliferation. Pezzutto A, et al. **J Immunol** 1987 May 1; 138(9):2793–9

Amplification of human B cell activation by a monoclonal antibody to the B cell-specific antigen CD22, Bp 130/140. Pezzutto A, et al. **J Immunol** 1987 Jan 1;138(1):98–103

Highly preferential VH-VL pairing in normal B cells results in antigen-independent selection of the available repertoire. Primi D, et al. **J Immunol** 1987 Mar 1;138(5):1607–12

Recognition of EBV plasma membrane protein expressed on murine cells after gene transfer. Reiss CS, et al. **J Immunol** 1987 Aug 1;139(3):711–4

Inhibition of B lymphocyte activation by interferon-gamma. Reynolds DS, et al. **J Immunol** 1987 Aug 1;139(3):767–73

Activation through CD3 molecule leads a number of human T cell clones to induce IgE synthesis in vitro by B cells from allergic and nonallergic individuals. Romagnani S, et al. **J Immunol** 1987 Mar 15;138(6):1744–9

T cell priming in vivo: a major role for B cells in presenting antigen to T cells in lymph nodes. Ron Y, et al. **J Immunol** 1987 May 1;138(9):2848–56

Unresponsiveness of MRL/MP-lpr/lpr mice to antigen given subcutaneously in adjuvant: partial restoration of response after local injection of B cells. Ron Y, et al. **J Immunol** 1987 Jul 15;139(2):400–5

Antibody-induced association between discrete regions of HLA class I and II antigens. Russo C, et al. **J Immunol** 1987 May 15;138(10):3152–8

IgM binding protein expressed by activated B cells. Sanders SK, et al. **J Immunol** 1987 Jul 1;139(1):188–93

Characterization of the physical interaction between antigen-specific B and T cells. Sanders VM, et al. **J Immunol** 1986 Oct 15;137(8):2395–404

Modified responses to recipient and donor B cells by genetically donor T cells from human haploidentical bone marrow chimeras. Schiff SE, et al. **J Immunol** 1987 Apr 1;138(7):2088–94

Isotype specificity of antigen-specific helper clone in vivo. Shapira-Nahor O, et al. **J Immunol** 1987 Jul 1;139(1):35–41

Idiotype-specific Ly-1 B cell-mediated helper activity: hybridomas that produce anti-idiotype antibody and nonimmunoglobulin lymphokine(s)1. Sherr DH, et al. **J Immunol** 1987 Apr 1;138(7):2057–62

Ly-1 B helper cells in autoimmune "viable motheaten" mice. Sherr DH, et al. **J Immunol** 1987 Sep 15;139(6):1811–7

Idiotype-specific helper cells (BH) express immunoglobulin markers and employ T cell function-associated molecules. Sherr DH, et al. **J Immunol** 1986 Dec 1;137(11):3406–13

IgE-enhancing activity directly and selectively affects activated B cells: evidence for a human IgE differentiation factor. Sherr EH, et al. **J Immunol** 1987 Jun 1; 138(11):3836–43

The human and murine influenza-specific B cell repertoires share a common idiotope. Sigal NH, et al. **J Immunol** 1987 Sep 15;139(6):1985–90

Inhibition of human B cell responsiveness by prostaglandin E2. Simkin NJ, et al. **J Immunol** 1987 Feb 15;138(4):1074–81

Functions of accessory cells in B cell responses to thymus-independent antigens. Sinha AA, et al. **J Immunol** 1987 Jun 15;138(12):4143–9

M241 (CD1) expression on B lymphocytes. Small TN, et al. **J Immunol** 1987 May 1;138(9):2864–8

Activation of human B cells: alternate options for initial triggering and effects of nonmitogenic concentrations of anti-IgM antibodies on resting and activated cells. Smeland EB, et al. **J Immunol** 1987 May 15;138(10):3179–84

B cell stimulatory factor-1 (interleukin 4) prepares resting murine B cells to secrete IgG1 upon subsequent stimulation with bacterial lipopolysaccharide. Snapper CM, et al. **J Immunol** 1987 Jul 1;139(1):10–7

An evaluation of antigen-driven expansion and differentiation of hapten-specific B lymphocytes purified from aged mice. Snow EC. **J Immunol** 1987 Sep 15;139(6):1758–62

B cell surface glycoprotein induced during growth response: molecular structure and expression pattern. Southern SO, et al. **J Immunol** 1987 Apr 15;138(8):2568–75

The regulatory role of sialic acids in the response of class II reactive T cell hybridomas to allogeneic B cells [published erratum appears in J Immunol 1986 Dec 15;137(12):4021] Taira S, et al. **J Immunol** 1986 Oct 15; 137(8):2448–54

Anti-HLA class I antibodies inhibit the T cell-independent proliferation of human B lymphocytes. Taylor DS, et al. **J Immunol** 1987 Sep 15;139(6):1792–6

Cooperativity between B lymphocyte membrane molecules: independent ligand occupancy and cross-linking of antigen receptors and Fc gamma receptors down-regulates B lymphocyte function. Uher F, et al. **J Immunol** 1986 Nov 15;137(10):3124–9

Effects of 5-fluorouracil on B lymphocyte lineage cells. Vetvicka V, et al. **J Immunol** 1986 Oct 15;137(8):2405–10

Modulation of the induction and circumvention of immunological tolerance to human gamma-globulin by interleukin 1. Weigle WO, et al. **J Immunol** 1987 Apr 1; 138(7):2069–74

Monoclonal antibodies to the human C3b/C4b receptor (CR1) enhance specific B cell differentiation. Weiss L, et al. **J Immunol** 1987 May 1;138(9):2988–93

Abnormalities of B lineage cells are demonstrable in long term lymphoid bone marrow cultures of New Zealand black mice. Yoshida S, et al. **J Immunol** 1987 Sep 1; 139(5):1454–8

A B cell–specific differentiation antigen, CD23, is a receptor for IgE (Fc epsilon R) on lymphocytes. Yukawa K, et al. **J Immunol** 1987 Apr 15;138(8):2576–80

Auranofin increases the affinity of phorbol dibutyrate receptors in chronic lymphocytic leukemia cells (B cells). Zalewski PD, et al. **J Immunol** 1987 May 1;138(9):3005–9

A sensitive method for testing the effect of immunoglobulin binding factor on Ig secretion by hybridoma B cells. Amigorena S, et al. **J Immunol Methods** 1987 Feb 26; 97(1):57–64

In vitro B-lymphocyte antigen priming against both non–immunogenic and immunogenic molecules requiring low amounts of antigen and applicable in hybridoma technology. Brams P, et al. **J Immunol Methods** 1987 Apr 2;98(1):11–22

Distinct culture requirements for activation and proliferation of human peripheral blood B lymphocytes by Staphylococcus aureus Cowan strain and growth factors. Choi YS, et al. **J Immunol Methods** 1987 Jul 16; 101(1):29–36

Human monoclonal antibodies against blood group antigens. Preparation of a series of stable EBV immortalized B clones producing high levels of antibody of different isotypes and specificities. Goossens D, et al. **J Immunol Methods** 1987 Aug 3;101(2):193–200

Methanol fixation permits flow cytometric analysis of immunofluorescent stained intracellular antigens. Levitt D, et al. **J Immunol Methods** 1987 Feb 11;96(2):233–7

Discrimination of human cytotoxic lymphocytes from regulatory and B-lymphocytes by orthogonal light scattering. Terstappen LW, et al. **J Immunol Methods** 1986 Dec 24;95(2):211–6

An optimal assay of human B cell proliferation in vitro. Wasik M, et al. **J Immunol Methods** 1987 May 4;99(1):1–5

The effects of adherent cells on measurement of the hyper–responsiveness of rheumatoid B lymphocytes to Epstein–Barr virus. Winrow VR, et al. **J Immunol Methods** 1987 Mar 12;97(2):221–7

Accumulation of immature B and null lymphocytes in the periphery after intraperitoneal administration of traditional Chinese medicine, xiao–chai–hu–tang (Japanese name: shosaiko–to). Kawakita T, et al. **J Immunopharmacol** 1986; 8(4):561–88

Stimulation of T lymphocyte–dependent differentiation of activated human B lymphocytes by Plasmodium falciparum supernatants. Ballet JJ, et al. **J Infect Dis** 1987 May; 155(5):1037–40

Effect of B cell suppression on primary infection and reinfection of mice with herpes simplex virus. Simmons A, et al. **J Infect Dis** 1987 Apr;155(4):649–54

Role of epidermal cell thymocyte–activating factor in the proliferation and differentiation of murine B cells. Pillai PS, et al. **J Leukocyte Biol** 1987 Sep;42(3):222–9

Estimation of the B lymphocyte precursor frequencies to herpes simplex type I glycoproteins by a limiting dilution assay. Turtinen LW, et al. **J Med Virol** 1986 Dec; 20(4):357–62

Autoantibodies to Alzheimer and normal brain structures from virus–transformed lymphocytes. Simpson J, et al. **J Neuroimmunol** 1986 Nov;13(1):1–8

Experimental allergic encephalomyelitis (EAE): role of B cell and T cell epitopes in the development of EAE in Lewis rats. Hashim GA, et al. **J Neurosci Res** 1987; 17(4):375–83

Dietary fatty acid modulation of murine B-cell responsiveness. Erickson KL, et al. **J Nutr** 1986 Sep; 116(9):1830–40

Trichinella spiralis: B-cell suppression does not exacerbate disease in mice. Almond NM, et al. **J Parasitol** 1987 Aug; 73(4):848–50

Effect fixation on T and B lymphocyte surface membrane antigen demonstration in paraffin processed tissue. Holgate CS, et al. **J Pathol** 1986 Aug;149(4):293–300

Use of the monoclonal antibody WR17, identifying the CD37 gp40–45 Kd antigen complex, in the diagnosis of B-lymphoid malignancy. Moore K, et al. **J Pathol** 1987 May;152(1):13–21

The demonstration of B-cell, T-cell and myeloid antigens in paraffin sections. West KP, et al. **J Pathol** 1986 Oct; 150(2):89–101

Cluster differentiation antigen expression, proliferative activity and clinical stage in centroblastic centrocytic lymphomas. Williamson JM, et al. **J Pathol** 1986 Sep; 150(1):51–9

Effect of growth hormone therapy on immune function [letter] Ammann AJ, et al. **J Pediatr** 1987 Apr;110(4):663–5

T-cell requirement for establishment of the IgG–dominant B-cell lesion in periodontitis. Okada H, et al. **J Periodont Res** 1987 May;22(3):187–9

Immune rosettes of T and B lymphocytes in infertile women with endometriosis. Badawy SZ, et al. **J Reprod Med** 1987 Mar;32(3):194–7

Anti–DNA antibodies react with DNA expressed on the surface of monocytes and B lymphocytes. Bennett RM, et al. **J Rheumatol** 1986 Aug;13(4):679–85

Increased expression of Epstein–Barr virus receptor on lymphoblastoid cell lines from subsets of patients with rheumatoid arthritis. Kahan A, et al. **J Rheumatol** 1986 Dec;13(6):1024–7

Long–term depressed immune function in patients splenectomized for trauma. Downey EC, et al. **J Trauma** 1987 Jun;27(6):661–3

Direct role of viral hemagglutinin in B–cell mitogenesis by influenza viruses. Poumbourios P, et al. **J Virol** 1987 Jan; 61(1):214–7

Immune suppression in healthy carriers of adult T–cell leukemia retrovirus (HTLV–I): impairment of T–cell control of Epstein–Barr virus–infected B–cells. Katsuki T, et al. **Jpn J Cancer Res** 1987 Jul;78(7):639–42

Serum monoclonal IgM undetectable by cellulose acetate membrane electrophoresis in four patients with B cell malignant lymphoma. Sugai S, et al. **Jpn J Clin Oncol** 1986 Dec;16(4):365–72

Electrically stimulated fusion of human UC 729–6 cell line potentially useful for generating antibody–secreting human–human hybridomas. Gathuru JK, et al. **Jpn J Vet Res** 1987 Apr;35(2):109–13

Light–chain isotype–associated B cell suppression in multiple myeloma [letter] [published erratum appears in Am J Ophthalmol 1987 Aug 15;104(2):195] Leonard RC. **Lancet** 1987 Apr 18;1(8538):916

Immunoglobulin synthesis and secretion by leukemic B cells from patients with chronic lymphocytic leukemia. Kunicka JE, et al. **Leuk Res** 1986;10(9):1101–7

B cell activating factor(s) (BCAF) containing supernatant can induce all classes of immunoglobulin and IgG switches in resting B cells. Abehsira–Amar O, et al. **Lymphokine Res** 1987 Summer;6(3):169–78

Measurement of human B cell responses to growth and differentiation factors: relevance for immunodeficiency disease. Callard RE, et al. **Lymphokine Res** 1986;5 Suppl 1:S151–6

The same cloned murine B lymphoma cell lines can be selectively induced to release either interleukin–1– or interleukin–2–like factor activity. Walker EB, et al. **Lymphokine Res** 1987 Spring;6(2):71–81

Age–associated changes in proliferative and differentiative response of human B cells and production of T cell–derived factors regulating B cell functions. Hara H, et al. **Mech Ageing Dev** 1987 May;38(3):245–58

Role of thymus–derived lymphocytes in acquired immunity to salmonellosis in mice. Chander R, et al. **Microbiol Immunol** 1986;30(12):1299–306

Mechanism of anti–DNA antibody formation. The functional modulation of helper T–subset plays the key role in both murine and human B–cell autosensitization. Nakamura K, et al. **Microbiol Immunol** 1986;30(7):703–15

The WI–L2–729–HF2 human hybridoma system. Arrangement of lambda genes in monoclonal hybrids. Heitzmann JG, et al. **Mol Biol Med** 1986 Aug;3(4):339–50

T–cell receptor and immunoglobulin genes are rearranged together in Abelson virus–transformed pre–B and pre–T cells. Cook WD, et al. **Mol Cell Biol** 1987 Jan;7(1):266–72

Accessibility of the promoter sequence in the J–chain gene is regulated by chromatin changes during B–cell differentiation. Minie ME, et al. **Mol Cell Biol** 1986 Nov; 6(11):4031–8

Regulation of immunoglobulin D synthesis in murine neonatal B lymphocytes. Yuan D. **Mol Cell Biol** 1986 Apr; 6(4):1015–22

Structure and functions of gp 140, the C3d/EBV receptor (CR2) of human B lymphocytes. Frade R. **Mol Immunol** 1986 Nov;23(11):1249–53

Cell cycle control of activated, synchronized murine B lymphocytes—roles of macrophages and complement C3. Melchers F, et al. **Mol Immunol** 1986 Nov;23(11):1173–6

Occult (non–surface expression) of T, B and monocyte markers in human large granular lymphocytes. Morgan AC Jr, et al. **Mol Immunol** 1987 Feb;24(2):117–25

Independent ligand occupancy and cross–linking of surface Ig and Fc gamma receptors downregulates B–lymphocyte function. Evaluation in various B–lymphocyte populations. Uher F, et al. **Mol Immunol** 1986 Nov;23(11):1177–81

Murine Gc globulin binds to a synthetic sequential polypeptide that is a murine B lymphocyte mitogen. Zeiger AR, et al. **Mol Immunol** 1986 Aug;23(8):863–8

Cell surface IgG subclasses. Perelmutter L. **Monogr Allergy** 1986;19:36–9

Natural killer cells do not lyse resting or mitogen–stimulated B cells. Froelich CJ, et al. **Nat Immun Cell Growth Regul** 1987;6(1):12–8

Rearrangement of a chicken immunoglobulin gene occurs in the lymphoid lineage of transgenic mice. Bucchini D, et al. **Nature** 1987 Mar 26–Apr 1;326(6111):409–11

Depletion of the predominant B–cell population in immunoglobulin mu heavy–chain transgenic mice. Herzenberg LA, et al. **Nature** 1987 Sep 3–9;329(6134):71–3

Complementary DNA for a novel human interleukin (BSF–2) that induces B lymphocytes to produce immunoglobulin. Hirano T, et al. **Nature** 1986 Nov 6–12;324(6092):73–6

Immunology. Unravelling the control of B cells [news] Klaus GG. **Nature** 1986 Nov 6–12;324(6092):16–7

A novel HLA class II molecule (DR alpha–DQ beta) created by mismatched isotype pairing. Lotteau V, et al. **Nature** 1987 Sep 24–30;329(6137):339–41

Formation of disulphide–linked mu 2 omega 2 tetramers in pre–B cells by the 18K omega–immunoglobulin light chain. Pillai S, et al. **Nature** 1987 Sep 10–16;329(6135):172–4

Lambda 5, a new light–chain–related locus selectively expressed in pre–B lymphocytes. Sakaguchi N, et al. **Nature** 1986 Dec 11–17;324(6097):579–82

Immunological reactivity in children with Wilms' tumor. Kowalczyk D, et al. **Neoplasma** 1986;33(4):509–18

Structural analysis of the mouse chromosomal gene encoding interleukin 4 which expresses B cell, T cell and mast cell stimulating activities. Otsuka T, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):333–44

Cellular mechanisms involved in recovery from acute malaria in Gambian children. Brown J, et al. **Parasite Immunol** 1986 Nov;8(6):551–64

Analysis of B cell and T cell proliferative responses induced by monomorphic and pleomorphic Trypanosoma brucei parasites in mice. Sendashonga CN, et al. **Parasite Immunol** 1986 Sep;8(5):443–53

Human B cell maturation and immune regulation. Sherris D, et al. **Pediatr Ann** 1987 Jun;16(6):472–4, 476

Epstein–Barr virus–transformed B–cell line (DV–1) derived from bone marrow of a patient with severe combined immunodeficiency and immunoblastic lymphoma. Rosenblatt HM, et al. **Pediatr Res** 1987 Apr;21(4):331–7

Single cell studies on the role of B–cell stimulatory factor 1 in B–cell activation. Alderson MR, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1389–93

Induced differentiation of a transformed clone of Ly–1+ B cells by clonal T cells and antigen. Bishop GA, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7410–4

Clonal analysis of the anti–DNA repertoire of murine B lymphocytes. Conger JD, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2931–5

Induction of B–cell differentiation antigens in interferon– or phorbol ester–treated Daudi cells is impaired by inhibitors of ADP–ribosyltransferase. Exley R, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6467–70

Suppression of in vivo polyclonal IgE responses by monoclonal antibody to the lymphokine B–cell stimulatory factor 1. Finkelman FD, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9675–8

Stable integration of mouse DNA into Ia–negative human B–lymphoma cells causes reexpression of the human Ia–positive phenotype. Guardiola J, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7415–8

Coordinated action of IgE and a B–cell–stimulatory factor on the CD23 receptor molecule up–regulates B–lymphocyte growth. Guy GR, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6239–43

Isolation of high–affinity memory B cells: phycoerythrin as a probe for antigen–binding cells. Hayakawa K, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1379–83

Human B–cell differentiation factor defined by an anti–peptide antibody and its possible role in autoantibody production. Hirano T, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):228–31

Molecular cloning of Ly–1, a membrane glycoprotein of mouse T lymphocytes and a subset of B cells: molecular homology to its human counterpart Leu–1/T1 (CD5). Huang HJ, et al. **Proc Natl Acad Sci USA** 1987 Jan; 84(1):204–8

High–frequency expression of a conserved kappa light–chain variable–region gene in chronic lymphocytic leukemia. Kipps TJ, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):2916–20

Insulin binding to human B lymphoblasts is a function of HLA haplotype. Kittur D, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1351–5

Retention of an idiotypic determinant in a human B–cell lymphoma undergoing immunoglobulin variable–region mutation. Kon S, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(14):5053–7

Adult B–cell repertoire is biased toward two heavy–chain variable–region genes that rearrange frequently in fetal pre–B cells. Lawler AM, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2454–8

Turning (Ir gene) low responders into high responders by antibody manipulation of the developing immune system. Martinz C, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(11):3812–6

Down–regulation of class I HLA antigens and of the Epstein–Barr virus–encoded latent membrane protein in Burkitt lymphoma lines. Masucci MG, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4567–71

Suppressive effect on polyclonal B–cell activation of a synthetic peptide homologous to a transmembrane component of oncogenic retroviruses. Mitani M, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):237–40

B–cell–stimulatory factor 1 reverses Fc receptor–mediated inhibition of B–lymphocyte activation. O'Garra A, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6254–8

Stimulatory and inhibitory influences of human immunodeficiency virus on normal B lymphocytes. Pahwa S, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9124–8

Isolation of a human major histocompatibility complex class I gene encoding a nonubiquitous molecule expressed on activated lymphocytes. Paul P, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2872–6

Two different biosynthetic pathways for the secretion of Qa region–associated class I antigens by mouse lymphocytes. Robinson PJ. **Proc Natl Acad Sci USA** 1987 Jan; 84(2):527–31

Detection of normal B–cell precursors that give rise to

colonies producing both kappa and lambda light immunoglobulin chains. Sauter H, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4989–93

Rapid enhancement of beta 2–interferon/B–cell differentiation factor BSF–2 gene expression in human fibroblasts by diacylglycerols and the calcium ionophore A23187. Sehgal PB, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3663–7

Interleukin 5, a T–cell–derived B–cell differentiation factor also induces cytotoxic T lymphocytes. Takatsu K, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4234–8

Purification and NH2–terminal amino acid sequence of a T–cell–derived lymphokine with growth factor activity for B–cell hybridomas. Van Snick J, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9679–83

Epstein–Barr virus–containing B–cell line produces an interleukin 1 that it uses as a growth factor. Wakasugi H, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):804–8

Epstein–Barr virus nuclear antigen 2 specifically induces expression of the B–cell activation antigen CD23. Wang F, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3452–6

Expression of T–cell–activating protein in peripheral lymphocyte subsets. Yeh ET, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7424–8

PFC formation in immature avian hosts grafted with thymic cells from juvenile chicken donors. Seto F. **Prog Clin Biol Res** 1987;238:171–85

Avian B cell diversity examined with monoclonal anti–VH antibodies. Wright JT, et al. **Prog Clin Biol Res** 1987; 238:81–5

Alloantisera with apparent HLA–A specificity reacting only against phytohemagglutinin–activated cells. Crepaldi T, et al. **Ric Clin Lab** 1986 Jul–Sep;16(3):449–56

Immunology of tuberculosis: new directions in research. Lombardi G, et al. **Ric Clin Lab** 1987 Jan–Mar;17(1):1–15 (54 ref.)

Coexpression of T– and B–markers in a lymphoproliferative disorder. San Miguel JF, et al. **Scand J Haematol** 1986 Jul;37(1):10–7

In vitro and in vivo stimulation of murine lymphocytes by human respiratory syncytial virus strains. Alsheikhly AR, et al. **Scand J Immunol** 1987 Aug;26(2):161–73

The role of I–A/E molecules in B–lymphocyte activation. II. Mechanism of inhibition of the responses to lipopolysaccharide by anti–I–A/E antibodies. Forsgren S, et al. **Scand J Immunol** 1987 Mar;25(3):225–34

B lymphocytes respond specifically to phytohaemagglutinin after liposome–dependent transfer of purified phytohaemagglutinin receptors. Letellier M, et al. **Scand J Immunol** 1987 May;25(5):517–26

Circulating cholera antitoxin memory cells in the blood one year after oral cholera vaccination in humans. Lycke N, et al. **Scand J Immunol** 1987 Aug;26(2):207–11

Polyclonal lymphocyte responses to murine Trypanosoma cruzi infection. I. Quantitation of both T– and B–cell responses. Minoprio PM, et al. **Scand J Immunol** 1986 Dec; 24(6):661–8

T–cell helper activity and B–cell function of synovial and blood lymphocytes from patients with rheumatoid arthritis or other forms of chronic arthritis. Nilsson E, et al. **Scand J Immunol** 1986 Dec;24(6):721–8

The role of gamma interferon in B–cell activation. Pischedda F, et al. **Scand J Immunol** 1987 Mar;25(3):315–8

Single lipopolysaccharide–reactive B cells in the non–immune mouse spleen cell population secrete natural multispecific autoantibodies. Ragimbeau J, et al. **Scand J Immunol** 1987 Jul;26(1):29–35

The in vitro B–cell response to pneumococcal polysaccharides in adults and neonates. Rijkers GT, et al. **Scand J Immunol** 1987 May;25(5):447–52

Autologous red blood cells potentiate antibody synthesis by unfractionated human mononuclear cell cultures. Rugeles MT, et al. **Scand J Immunol** 1987 Aug;26(2):119–27

An analysis of polyclonal B cell activation in Sjögren's syndrome. Characterization of B cell lines spontaneously established from the peripheral blood. Miyasaka N, et al. **Scand J Rheumatol [Suppl]** 1986;61:123–6

Human beta 2 interferon and B–cell differentiation factor BSF–2 are identical. Sehgal PB, et al. **Science** 1987 Feb 13;235(4790):731–2

Interferon–gamma and B cell stimulatory factor–1 reciprocally regulate Ig isotype production. Snapper CM, et al. **Science** 1987 May 22;236(4804):944–7

Cell surface markers in hematologic malignancies. Freedman AS, et al. **Semin Oncol** 1987 Jun;14(2):193–212 (196 ref.)

Mechanisms of physiologic B cell responses and B cell hyperactivity in systemic lupus erythematosus. Zubler RH, et al. **Springer Semin Immunopathol** 1986;9(2–3):195–218 (135 ref.)

Analysis of B cell dysfunction in patients with common variable immunodeficiency by using recombinant interleukin 2. Ariga T, et al. **Tohoku J Exp Med** 1987 May; 152(1):53–61

Two dimensional gel analysis of HLA–DR2 associated HLA–D clusters. Nakatsuji T, et al. **Tokai J Exp Clin Med** 1986 May;11(2):125–31

Evaluation of immunotoxicity in a subchronic feeding study of triphenyl phosphate. Hinton DM, et al. **Toxicol Ind Health** 1987 Mar;3(1):71–89

Monoclonal antibody to the Epstein–Barr virus receptor induces human B lymphocyte activation and differentiation. Nemerow GR, et al. **Trans Assoc Am Physicians** 1985; 98:290–300

Differentiation antigens associated with the function of alloreactive T lymphocytes. Kowal C, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):268–72

Positive B cell crossmatches in highly sensitized patients—influence of antibody specificity on renal transplant outcome. Lazda VA, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):782–4

Influence of donor–recipient lymphocyte crossmatch and ABO status on rejection risk in cardiac transplantation. McKenzie FN, et al. **Transplant Proc** 1987 Aug; 19(4):3439–41

Detrimental effect of a positive B lymphocyte crossmatch in renal transplantation. Russ GR, et al. **Transplant Proc** 1987 Apr;19(2):2837–9

Positive B lymphocyte crossmatch and glomerular rejection in renal transplant recipients. Russ GR, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):785–8

Suppression of B cell immunity to DNP by serotherapy with monoclonal anti–DNP antibodies. Effect of the treatment schedule on the magnitude of specific suppression and its duration. Beining PR, et al. **Transplantation** 1986 Nov; 42(5):524–8

Kinetics of natural killer cell cytotoxicity during the graft–versus–host reaction. Relationship between natural killer cell activity, T and B cell activity, and development of histopathological alterations. Ghayur T, et al. **Transplantation** 1987 Aug;44(2):254–60

Salmonid B lymphocytes demonstrate organ dependent functional heterogeneity. Irwin MJ, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):39–45

The function of autoreactive T cells in B–cell activation. Finnegan A, et al. **Year Immunol** 1985;:25–38 (29 ref.)

Tolerance: facts and views—1984. Parks DE. **Year Immunol** 1985;:86–92 (36 ref.)

Mycobacterium marinum infection in gnotobiotic nu/nu mice pretreated with cyclophosphamide and silica. Burchard GD, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Jul; 261(4):411–6

[Distribution of B lymphocytes and plasma cells in human tonsils] Gong YH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Apr; 8(2):106–10 (Eng. Abstr.) **(Chi)**

[Expression of T–lymphocyte antigens by serum B lymphocytes in rheumatoid polyarthritis] Youinou P, et al. **Rev Rhum Mal Osteoartic** 1986 Nov;53(11):643–7 (Eng. Abstr.) **(Fre)**

[Immunologic phenotyping of cutaneous lymphomas] Kaudewitz P, et al. **Hautarzt** 1986 Dec;37(12):647–55 (Eng. Abstr.) **(Ger)**

[T– and B–lymphocyte hyperreactivity in patients with progressive systemic sclerosis] Becker H, et al. **Immun Infekt** 1987 Apr;15(2):72–3 (Eng. Abstr.) **(Ger)**

[Production of human monoclonal antibodies by heterohybridization of human B lymphocytes of the spleen with mouse myeloma cells] Jahn S, et al. **Z Gesamte Inn Med** 1986 Sep 15;41(18):493–7 (Eng. Abstr.) **(Ger)**

[Determination of biologic aging within the scope of the Halberstadt Gerontologic Study. 5. Correlation of physiologic parameters with calendar and biologic age. 1. Relative cell number of peripheral B and T lymphocytes] Weidinger V, et al. **ZFA** 1987 Mar–Apr;42(2):93–9 (Eng. Abstr.) **(Ger)**

[Effect of histamine on immunoglobulin production of human B cells stimulated by Staphylococcus aureus Cowan I and interleukin 2] Ariga T, et al. **Arerugi** 1987 Feb;36(2):101–7 (Eng. Abstr.) **(Jpn)**

[Study of IgE–bearing B cells using the fluorescence activated cell sorter with two–color immunofluorescence staining in patients with bronchial asthma] Jujho K. **Arerugi** 1986 Dec;35(12):1181–7 (Eng. Abstr.) **(Jpn)**

[Characterization of B cell lines spontaneously established from the peripheral blood of Sjögren's syndrome] Yamaoka K, et al. **Arerugi** 1986 Jul;35(7):481–4 (Eng. Abstr.) **(Jpn)**

[Studies on accessory function of B cells] Nagayoshi T. **Fukuoka Igaku Zasshi** 1987 Feb;78(2):82–94 (Eng. Abstr.) **(Jpn)**

[Non–Hodgkin's lymphoma: correlation of cell surface marker phenotype with clinical features and prognosis] Okabe K, et al. **Gan To Kagaku Ryoho** 1986 Oct; 13(10):2960–4 (Eng. Abstr.) **(Jpn)**

[Studies on Epstein–Barr virus (EBV) infection and reactivity of peripheral B lymphocytes to EBV in patients with ataxia telangiectasia] Okano M. **Hokkaido Igaku Zasshi** 1986 Jul; 61(4):584–92 (Eng. Abstr.) **(Jpn)**

[Characteristics of antibody production in tonsillar B–cells stimulated by Epstein–Barr virus (EBV) infection] Furukawa M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Nov;89(11):1627–31 (Eng. Abstr.) **(Jpn)**

[Immunoglobulin–E synthesis in lymphocytes in children with idiopathic nephrotic syndrome] Tomizawa S. **Nippon Jinzo Gakkai Shi** 1987 Feb;29(2):157–66 (Eng. Abstr.) **(Jpn)**

[Immunoglobulin synthesis of lymphocytes in patients with idiopathic nephrotic syndrome] Tomizawa S. **Nippon Jinzo Gakkai Shi** 1986 Aug;28(8):1071–8 (Eng. Abstr.) **(Jpn)**

[Characterization of KOPB–26 established from the peripheral blood of a patient with non–Burkitt's type B–ALL] Nishino K, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Aug;49(5):1047–57 (Eng. Abstr.) **(Jpn)**

[The mechanisms of human B cell activation. VI. The role of HLA antigens and T cell differentiation antigens in the production of T cell–derived helper factors] Suzuki N, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Nov; 49(7):1396–403 (Eng. Abstr.) **(Jpn)**

[A case of a common variable immunodeficiency with defect of mature B cell and enhanced suppressor T cell function] Takagi H, et al. **Nippon Naika Gakkai Zasshi** 1987 Apr; 76(4):563–9 **(Jpn)**

[Age–related functional and proportional changes in human lymphocytes: clinical significance as indicators for immunosenescence] Negoro S, et al. **Nippon Ronen Igakkai Zasshi** 1987 Mar;24(2):93–9 (Eng. Abstr.) **(Jpn)**

[Evaluation of anti–B cell monoclonal antibodies reacting with paraffin–embedded tissue sections] Hagiwara S, et al. **Rinsho Byori** 1987 Feb;35(2):197–202 **(Jpn)**

[Molecular biology of immunologic recognition] Tonegawa S. **Tanpakushitsu Kakusan Koso** 1987 Mar;32(3):239–50 (0 ref.) **(Jpn)**

[T and B lymphocytes in children with rheumatic fever and juvenile rheumatoid arthritis] Puławska J. **Pediatr Pol** 1986 Apr;61(4):210–7 (Eng. Abstr.) **(Pol)**

[B–lymphocytes are required to mediate the effect of T–lymphocytes on hematopoietic stem cells] Man'ko VM, et al. **Dokl Akad Nauk SSSR** 1987;293(2):497–9 **(Rus)**

[Status of immunologic reactivity in experimental stomach ulcer] Kryshen' VP, et al. **Fiziol Zh** 1987 Jan–Feb; 33(1):88–90 (Eng. Abstr.) **(Rus)**

[Controlled regulation and the role of the humoral and cellular systems of immunity in the pathogenesis of silicosis] Petrova EV, et al. **Gig Tr Prof Zabol** 1987 Jan;(1):24–7 (Eng. Abstr.) **(Rus)**

[T– and B–lymphocyte numbers in bronchoalveolar washings from patients with sarcoidosis] Averbakh MM, et al. **Klin Med (Mosk)** 1986 Dec;64(12):44–7 (Eng. Abstr.) **(Rus)**

[Evaluation of human T– and B–lymphocyte suppression using laser nephelometry] Osipov SG, et al. **Lab Delo** 1987; (2):46–9 (Eng. Abstr.) **(Rus)**

[Splenocyte chemiluminescence induced by various mitogenic stimuli] Karsonova MI, et al. **Mol Gen Mikrobiol Virusol** 1985 Sep;(9):36–8 (Eng. Abstr.) **(Rus)**

[Quantitative and qualitative changes in the T– and B–lymphocytes of patients with osteoarthrosis deformans] Mazina NM, et al. **Revmatologiia (Moskva)** 1986 Oct–Dec; (4):55–8 (Eng. Abstr.) **(Rus)**

[Lymphocyte genome damage and changes in immunologic indices in acute myocardial infarct] Radzevich AE, et al. **Sov Med** 1987;(2):19–22 (Eng. Abstr.) **(Rus)**

[Immune response and the dynamics of the cytolysis syndrome in viral hepatitis A and B] Beksler KhM, et al. **Ter Arkh** 1986;58(10):27–8 (Eng. Abstr.) **(Rus)**

[Immunoregulatory lymphocyte subpopulations in patients with dilated and hypertrophic cardiomyopathies] Chumburidze VB, et al. **Ter Arkh** 1986;58(10):59–62 (Eng. Abstr.) **(Rus)**

[Status of cellular immunity in diabetic microangiopathy detected by skin biopsy] Ermakova NG, et al. **Ter Arkh** 1986;58(10):94–7 (Eng. Abstr.) **(Rus)**

[T– and B–lymphocyte and immunoglobulin levels in drug allergy] Polosukhina VA, et al. **Ter Arkh** 1986;58(7):125–7 **(Rus)**

[Levels of serum immunoglobulins and circulating T– and B–lymphocytes in the blood of patients with brain tumors] Mamytov MM, et al. **Vrach Delo** 1986 Aug;(8):101–3 (Eng. Abstr.) **(Rus)**

[Quantitative evaluation of a population of immunocompetent cells having a receptor for the anthrax protective antigen] Meretskov VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Feb;(2):54–7 (Eng. Abstr.) **(Rus)**

[Lymphocyte subpopulations in sensitization and specific immunotherapy in an experiment. Lymphocyte subpopulations in the specific immunotherapy of microbial allergy and subsequent heterologous pollen sensitization] Nugmanova DS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):53–7 (Eng. Abstr.) **(Rus)**

[Lymphocyte subpopulations in sensitization and specific immunotherapy in an experiment. Lymphocyte subpopulations in sensitization to staphylococci, Artemisia pollen and their combinations] Nugmanova ZhS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):48–53 (Eng. Abstr.) **(Rus)**

[Clinico–immunologic correlations in schizophrenia of various courses (on a B–lymphocyte model)] Potapova VA, et al. **Zh Nevropatol Psikhiatr** 1987;87(5):727–32 (Eng. Abstr.) **(Rus)**

[Features of the B–lymphocyte population of patients with malignant continuously progressive juvenile schizophrenia] Sekirina TP, et al. **Zh Nevropatol Psikhiatr** 1987;87(5):724–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Separate mechanisms for cellular uptake of purine nucleotides by B– and T–lymphoblasts. Edwards NL, et al. **Adv Exp Med Biol** 1986;195 Pt B:463–5

Ecto–5'–nucleotidase can use IMP to provide the total purine

requirements of mitogen-stimulated human T cells and human B lymphoblasts. Thompson LF.
Adv Exp Med Biol 1986;195 Pt B:467-73

Soluble interleukin-2 receptors in B-cell leukemia and the acquired immunodeficiency syndrome [letter] Medina-Ibarrondo C, et al. **Ann Intern Med** 1987 May; 106(5):774

Initiation of DNA synthesis in murine B cells is independent of early changes in the cytosolic free calcium. Wiener E, et al. **Arch Biochem Biophys** 1987 May 1;254(2):462-71

Inositol phospholipid and intracellular calcium metabolism in B lymphocytes stimulated with antigen. Partain K, et al. **Biochem Biophys Res Commun** 1986 Nov 14; 140(3):1079-85

Purine deoxynucleosides and adenosine dialdehyde decrease 5-amino-4-imidazolecarboxamide (Z-base)-dependent purine nucleotide synthesis in cultured T and B lymphoblasts. Boss GR. **Biochem J** 1987 Mar 1; 242(2):425-31

Production of colony-stimulating activity by normal and neoplastic human B lymphocytes. Pistoia V, et al. **Blood** 1987 May;69(5):1340-7

Control of phosphofructokinase by fructose 2,6-bisphosphate in B-lymphocytes and B-chronic lymphocytic leukemia cells. Colomer D, et al. **Cancer Res** 1987 Apr 1; 47(7):1859-62

Inducibility of kappa immunoglobulin enhancer-binding protein Nf-kappa B by a posttranslational mechanism. Sen R, et al. **Cell** 1986 Dec 26;47(6):921-8

Human cell lines secreting lymphokines. II. BCGF production by a T hybridoma and B cell lines. Gozes Y, et al. **Dev Biol Stand** 1987;66:447-55

Targeting of chemical mutagens to differentiating B-lymphocytes in vivo: detection by direct DNA labeling and sister chromatid exchange induction. Bloom SE, et al. **Environ Mutagen** 1987;9(1):3-18

Interaction of mitogenic bacterial lipoprotein and a synthetic analogue with mouse lymphocytes. Isolation and characterization of binding proteins. Biesert L, et al. **Eur J Biochem** 1987 Feb 2;162(3):651-7

Expression of CD 25 (Tac antigen) in lymphoid leukemias and non-Hodgkin lymphomas. Faure GC, et al. **Eur J Haematol** 1987 Jan;38(1):26-30

Human T cell clones can induce in vitro IgE synthesis in normal B cells regardless of alloantigen recognition or specificity for peculiar antigens. Del Prete G, et al. **Eur J Immunol** 1986 Dec;16(12):1509-14

Early events in human B cell activation: metabolic pathways vary according to the first signal used. Dugas B, et al. **Eur J Immunol** 1986 Dec;16(12):1609-14

Glucose regulates preproinsulin messenger RNA levels in a clonal cell line of simian virus 40-transformed B cells. Hammonds P, et al. **FEBS Lett** 1987 Mar 9;213(1):149-54

Anti-immunoglobulin and phorbol ester induce phosphorylation of proteins associated with the plasma membrane and cytoskeleton in murine B lymphocytes. Hornbeck P, et al. **J Biol Chem** 1986 Nov 5; 261(31):14817-24

Binding characteristics and affinity labeling of protein constituents of the human IM-9 lymphoblast receptor for substance P. Payan DG, et al. **J Biol Chem** 1986 Oct 25; 261(30):14321-9

Induction of metallothionein synthesis in Menkes' and normal lymphoblastoid cells is controlled by the level of intracellular copper. Sone T, et al. **J Biol Chem** 1987 Apr 25;262(12):5878-85

Leukocytes from four patients with complete or partial Leu-CAM deficiency contain the common beta-subunit precursor and beta-subunit messenger RNA. Dana N, et al. **J Clin Invest** 1987 Mar;79(3):1010-5

Mobilization of intracellular calcium from the sarcoplasmic reticulum of B-lymphocytes using cyclic guanosine 3'5'-monophosphate (cGMP). Dontsov VI. **J Hyg Epidemiol Microbiol Immunol** 1986;30(3):295-9

Characterization of the cell surface receptors for human B cell growth factor of 12,000 molecular weight. Mehta SR, et al. **J Immunol** 1986 Oct 1;137(7):2210-4

Antigen-induced changes in phospholipid metabolism in antigen-binding B lymphocytes. Myers CD, et al. **J Immunol** 1987 Mar 15;138(6):1705-11

Identification of gp350 as the viral glycoprotein mediating attachment of Epstein-Barr virus (EBV) to the EBV/C3d receptor of B cells: sequence homology of gp350 and C3 complement fragment C3d. Nemerow GR, et al. **J Virol** 1987 May;61(5):1416-20

The elaboration of a small molecular weight cytostatic factor by lymphoblastoid lines and activated lymphocytes. Antonia SJ, et al. **Lymphokine Res** 1986 Fall;5(4):301-12

Malignant B-cells have receptors for and respond to interleukin-2. Panayotides P, et al. **Med Oncol Tumor Pharmacother** 1986;3(3-4):255-63 (28 ref.)

Basal and adenosine receptor-stimulated levels of cAMP are reduced in lymphocytes from alcoholic patients. Diamond I, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1413-6

Expression of members of immunoglobulin gene family in somatic cell hybrids between human B and T cells. Kozbor D, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4969-73

T-cell-replacing factor (interleukin 5) induces expression of interleukin 2 receptors on murine splenic B cells. Loughnan MS, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(15):5399-403

Cell-type-specific transcription of an immunoglobulin kappa light chain gene in vitro. Mizushima-Sugano J, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8511-5

Cloned murine T200 (Ly-5) cDNA reveals multiple transcripts within B- and T-lymphocyte lineages. Raschke WC. **Proc Natl Acad Sci USA** 1987 Jan;84(1):161-5

Cyclic AMP-modulated potassium channels in murine B cells and their precursors. Choquet D, et al. **Science** 1987 Mar 6;235(4793):1211-4

In vitro production of anti-HLA-DR antibodies by human B-cell lines. Hancock RJ, et al. **Tissue Antigens** 1986 Oct; 28(4):228-32

[Detection of cytoplasmic mu chain by the double PAP method in cell lines and childhood non-T, non-B ALL cells] Sugita K, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 May;49(3):686-95 (Eng. Abstr.) **(Jpn)**

[Cyclic AMP level in T- and B lymphocytes in patients with rheumatoid arthritis and systemic lupus erythematosus] Bandzhiulene Sl'u, et al. **Ter Arkh** 1986;58(7):46-9 (Eng. Abstr.) **(Rus)**

[Chemiluminescence of peripheral blood T- and B-lymphocytes in patients recovering from burn injuries of the eyes] Travkin AG, et al. **Vestn Oftalmol** 1986 Nov-Dec;102(6):58-9 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Establishment of retrovirus-, Epstein-Barr virus-positive B-lymphoblastoid cell lines derived from individuals at risk for acquired immune deficiency syndrome (AIDS). Casareale D, et al. **AIDS Res** 1983-84;1(4):253-70

Impairment of T-cell control of Epstein-Barr virus infected B-cells in patients with adult T-cell leukemia. Katsuki T, et al. **AIDS Res** 1986 Dec;2 Suppl 1:S125-30

Immunoregulatory T cells in males vulnerable to Epstein-Barr virus with the X-linked lymphoproliferative syndrome. Lai PK, et al. **Am J Pediatr Hematol Oncol** 1987 Summer;9(2):179-82

Effective propagation of various type D retroviruses in human lymphoblastoid Raji cells. Fleischhacker M, et al. **Arch Geschwulstforsch** 1987;57(1):1-6

Bovine leukemia virus replicates in sheep B lymphocytes under a T cell released factor. Djilali S, et al. **Eur J Cancer Clin Oncol** 1987 Jan;23(1):81-5

Human B lymphocytes immortalization by Epstein-Barr virus in the presence of cyclosporin A. Pelloquin F, et al. **In Vitro Cell Dev Biol** 1986 Dec;22(12):689-94

Characterization of EBV-carrying B-cell populations in healthy seropositive individuals with regard to density, release of transforming virus and spontaneous outgrowth. Lewin N, et al. **Int J Cancer** 1987 Apr 15;39(4):472-6

Influence of the Epstein-Barr virus nuclear antigen EBNA 2 on the growth phenotype of virus-transformed B cells. Rickinson AB, et al. **J Virol** 1987 May;61(5):1310-7

Human B-lymphotropic virus in Germany [letter] Krueger GR, et al. **Lancet** 1987 Sep 19;2(8560):694

Establishment of bovine leukemia virus-producing and -nonproducing B-lymphoid cell lines and their proviral genomes. Itohara S, et al. **Leuk Res** 1987;11(5):407-14

Autocrine growth of human B lymphocytes: maintained response to autostimulatory factors is the special feature of immortalization by Epstein-Barr virus--a hypothesis. Gordon J, et al. **Med Oncol Tumor Pharmacother** 1986; 3(3-4):269-73 (19 ref.)

Specific human cytotoxic T cells recognize B-cell lines persistently infected with respiratory syncytial virus. Bangham CR, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(23):9183-7

Amplification and deregulation of MYC following Epstein-Barr virus infection of a human B-cell line. Lacy J, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5838-42

Growth of malignant rabbit fibroma virus in lymphoid cells. Strayer DS, et al. **Virology** 1987 May;158(1):147-57

PATHOLOGY

Interindividual phenotypic variations in CLL B lymphocyte maturation indication of different maturation blocks. Rozynkowa D, et al. **Acta Anthropogenet** 1985;9(1-3):48-62

Report of an unusual lymphoma arising from parafollicular B-lymphocytes (PBLs) or so-called "monocytoid" lymphocytes. Cousar JB, et al. **Am J Clin Pathol** 1987 Jan; 87(1):121-8

Parafollicular B lymphocytes [letter] Isaacson PG. **Am J Clin Pathol** 1987 Sep;88(3):393-4

Hand-mirror-cell variant of B-cell lymphoma with hypercalcemia. Smith RE. **Arch Intern Med** 1986 Nov; 146(11):2273-4

Acute lymphoblastic leukemia in infants: evidence for B cell origin of disease by use of monoclonal antibody phenotyping. Dinndorf PA, et al. **Blood** 1986 Oct; 68(4):975-8

Phorbol ester induction of plasmacytoid and hairy cell leukemia features in B-type lymphocytic leukemias: the relation to B-cell differentiation and maturation. Gazitt Y, et al. **Blood Cells** 1987;12(2):413-39

B-cell colony growth of malignant and normal B-cells. Kluin-Nelemans JC, et al. **Br J Cancer** 1987 Apr; 55(4):397-405

Polyclonal polymorphic B-cell lymphoproliferative disorder with prominent pulmonary involvement in children with acquired immune deficiency syndrome. Joshi VV, et al. **Cancer** 1987 Apr 15;59(8):1455-62

Induction of differentiation of African Burkitt's lymphoma cells by phorbol ester: possible relation with early B cells. Ho YS, et al. **Cancer Invest** 1987;5(2):101-7

Establishment of a human B-cell tumor in athymic mice. Leonard JE, et al. **Cancer Res** 1987 Jun 1;47(11):2899-902

The c-myc oncogene perturbs B lymphocyte development in E-mu-myc transgenic mice. Langdon WY, et al. **Cell** 1986 Oct 10;47(1):11-8

Large-cell lymphoma with diffuse sclerosis. A B-cell neoplasm of late-secretory, preplasma cells. Linden MD, et al. **Cleve Clin Q** 1986 Fall;53(3):319-22

Interleukin-2 can induce proliferation of leukemic B-cells in prolymphocytic leukemia. Panayotides P, et al. **Eur J Haematol** 1987 Mar;38(3):274-8

Thymus grafts induce B cell development in nude, X-linked immune deficient mice. Karagogeos D, et al. **Eur J Immunol** 1987 Jan;17(1):141-4

Patterns of gene expression during plasmacytoid differentiation of chronic lymphocytic leukaemia cells. Norton JD, et al. **FEBS Lett** 1987 May 4;215(1):127-31

Variant sublines of the human B-lymphoma cells Namalwa are at different stages of differentiation. Guy K, et al. **Immunology** 1987 Jul;61(3):383-6

Molecular monitoring of pre-B acute lymphocytic leukemia [editorial] Nowell PC. **J Clin Oncol** 1987 May;5(5):692-3

Development of B lymphocytes in mice heterozygous for the X-linked immunodeficiency (xid) mutation. xid inhibits development of all splenic and lymph node B cells at a stage subsequent to their initial formation in bone marrow. Forrester LM, et al. **J Exp Med** 1987 Apr 1;165(4):949-58

Growth regulation of the B lymphoma cell line WEHI-231 by anti-immunoglobulin, lipopolysaccharide, and other bacterial products. Jakway JP, et al. **J Immunol** 1986 Oct 1;137(7):2225-31

Defect in production of B cell differentiation factor-like activity by mononuclear cells from a boy with hypogammaglobulinemia. Matheson DS, et al. **J Immunol** 1987 Apr 15;138(8):2469-72

Characterization of B lymphocyte lineage progenitor cells from mice with severe combined immune deficiency disease (SCID) made possible by long term culture. Witte PL, et al. **J Immunol** 1987 Apr 15;138(8):2698-705

Characterization of immunologic and neuropathologic abnormalities in wasted mice. Woloschak GE, et al. **J Immunol** 1987 Apr 15;138(8):2493-9

B-cell maturation stages of Burkitt's lymphoma cell lines according to Epstein-Barr virus status and type of chromosome translocation. Cohen JH, et al. **JNCI** 1987 Feb;78(2):235-42

Role of marrow stromal cells in the establishment of a transformed lymphoblastic B-cell line from a normal human subject. Juneja HS, et al. **Leuk Res** 1986; 10(10):1209-19

Clonal assay of human B-cell colonies from patients with B-cell-related malignancies and systemic lupus erythematosus. Otsuka T, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Jul;49(4):950-9

Induction of proliferation and differentiation of leukaemic B cells from patients with chronic lymphocytic leukaemia by anti-mu and conditioned medium. Steinberg J, et al. **Scand J Immunol** 1987 Jun;25(6):599-611

Molecular analysis of immunoglobulin expression in variants of murine B lymphoma, 70Z/3. Weeks RS, et al. **Somatic Cell Mol Genet** 1987 May;13(3):205-19

[Acute mixed leukemia with two cell populations of B lymphoblasts and myeloblasts with Auer bodies: a case report] Horiuchi N, et al. **Rinsho Ketsueki** 1987 Feb; 28(2):261-6 (Eng. Abstr.) **(Jpn)**

[Acute lymphoblastic leukemia with a mature B-lymphocyte phenotype and preferential centrosomal acid phosphatase activity] Woessner S, et al. **Sangre (Barc)** 1986; 31(5):593-600 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Regulation of human B lymphocyte activation, proliferation, and differentiation. Jelinek DF, et al. **Adv Immunol** 1987; 40:1-59 (230 ref.)

Differential transmembrane signaling in B lymphocyte activation. Cambier JC, et al. **Ann NY Acad Sci** 1987; 494:52-64

The B lymphocyte and antibody system. Aberrations in the rheumatic diseases. Stiehm ER. **Arthritis Rheum** 1977 Mar; 20(2 Suppl):425-33

Complement-dependent triggering of B-cells, T-cells and macrophages. Dierich MP, et al. **Behring Inst Mitt** 1987 Jun;(81):128-32

Antigen receptor on B lymphocytes: structure and association with other membrane proteins. Haustein D, et al. **Behring Inst Mitt** 1987 Jun;(81):100-9

Biochemical aspects of constitutive and facultative expression of MHC class II molecules at the pre- and posttranslational level. Reske K, et al. **Behring Inst Mitt** 1987 Jun;(81):46-59

Cellular oncogenes and lymphocyte activation. Schneider-Schaulies J, et al. **Behring Inst Mitt** 1987 Jun; (81):110-9

Defect in B cell function in HTLV III/LAV positive hemophilia patients. Sjamsoedin-Visser EJ, et al. **Blood** 1987 May;69(5):1388-93

The role of the kappa enhancer and its binding factor NF-kappa B in the developmental regulation of kappa gene transcription. Atchison ML, et al. **Cell** 1987 Jan 16; 48(1):121-8

A model system for peptide hormone action in differentiation: interleukin 2 induces a B lymphoma to transcribe the J chain gene. Blackman MA, et al. **Cell** 1986 Nov 21; 47(4):609–17

Extrachromosomal DNA substrates in pre–B cells undergo inversion or deletion at immunoglobulin V–(D)–J joining signals. Hesse JE, et al. **Cell** 1987 Jun 19;49(6):775–83

Pathogenesis of Burkitt lymphoma: expression of an activated c–myc oncogene causes the tumorigenic conversion of EBV–infected human B lymphoblasts. Lombardi L, et al. **Cell** 1987 Apr 24;49(2):161–70

Epstein–Barr virus gp350/220 binding to the B lymphocyte C3d receptor mediates adsorption, capping, and endocytosis. Tanner J, et al. **Cell** 1987 Jul 17;50(2):203–13

Membrane depolarization is induced in tolerant B lymphocytes by stimulation with antigen. Aldo–Benson M. **Cell Immunol** 1986 Dec;103(2):417–25

DNA and immunoglobulin synthesis by rabbit peripheral blood lymphocytes in vitro: complete and incomplete stimulation. Endoh M, et al. **Cell Immunol** 1987 Jul; 107(2):455–64

Increased expression of the B lymphocyte receptor for transferrin is stimulated by in vivo crosslinking of cell surface IgD. Weber RJ, et al. **Cell Immunol** 1987 Feb; 104(2):400–8

The frequency and fine specificity of B cells responsive to (4–hydroxy–3–nitrophenyl)acetyl in aged mice. Zharhary D, et al. **Cell Immunol** 1986 Jul;100(2):452–61

Immunoglobulin gene rearrangements in pre–B cells. Burrows PD, et al. **Curr Top Microbiol Immunol** 1987; 135:125–38 (68 ref.)

Expression of the immunoglobulin heavy–chain variable gene repertoire. Malynn BA, et al.
Curr Top Microbiol Immunol 1987;135:75–94 (75 ref.)

Programmed development of the antibody repertoire. Perlmutter RM. **Curr Top Microbiol Immunol** 1987; 135:95–109 (78 ref.)

B–cell commitment and diversification in the bursa of Fabricius. Pink JR, et al. **Curr Top Microbiol Immunol** 1987; 135:57–64

Cloning of murine B–lymphocyte differentiation stage–specific genes. Sakaguchi N, et al.
Curr Top Microbiol Immunol 1987;135:139–48

Questioning the role of the embryonic bursa in the molecular differentiation of B lymphocytes. Weill JC, et al.
Curr Top Microbiol Immunol 1987;135:111–24

Epstein–Barr virus–transformed human precursor B cell lines: altered growth phenotype of lines with germ–line or rearranged but nonexpressed heavy chain genes. Gregory CD, et al. **Eur J Immunol** 1987 Aug;17(8):1199–207

Expression of the bcl–2 gene in mouse B lymphocytic cell lines is differentiation stage specific. Gurfinkel N, et al. **Eur J Immunol** 1987 Apr;17(4):567–70

Constitutive production of B cell differentiation factor–like activity by human T and B cell lines. Kanowith–Klein S, et al. **Eur J Immunol** 1987 May;17(5):593–8

Early arrest of B cell development in nude, X–linked immune–deficient mice. Karagogeos D, et al.
Eur J Immunol 1986 Sep;16(9):1125–30

Functional heterogeneity of nonresting B cells in human blood. Richard Y, et al. **Eur J Immunol** 1986 Oct; 16(10):1303–8

Analysis of promoter and enhancer cell type specificities and the regulation of immunoglobulin gene expression. Doyen N, et al. **Gene** 1986;50(1–3):321–31

Molecular genetics of human B cell neoplasia. Croce CM. **Horiz Biochem Biophys** 1986;8:545–70

Allelic exclusion frequency analysis and molecular characteristics of immunoglobulins secreted by the hybridomas expressing both allelic genes. Cherepakhin VV, et al. **Immunol Lett** 1987 May;15(1):33–9

Activation antigens and signal transduction in lymphocyte activation. **Immunol Rev** 1987 Feb;95:1–194

Transmembrane signals and intracellular "second messengers" in the regulation of quiescent B–lymphocyte activation. Cambier JC, et al. **Immunol Rev** 1987 Feb;95:37–57 (75 ref.)

B–lymphocyte signal transduction in response to anti–immunoglobulin and bacterial lipopolysaccharide. DeFranco AL, et al. **Immunol Rev** 1987 Feb;95:161–76 (60 ref.)

"Numatrin," a nuclear matrix protein associated with induction of proliferation in B lymphocytes. Feuerstein N, et al. **J Biol Chem** 1987 Aug 15;262(23):11389–97

Intracellular signalling of initiation of DNA synthesis: effect of cell–free extracts from anti–receptor–stimulated B lymphocytes on spleen cell nuclei. Ullah S, et al.
J Cell Biochem 1987 Jan;33(1):27–37

Inhibition by phorbol esters of antiimmunoglobulin–induced calcium signalling and B–cell activation. Rothstein TL, et al. **J Cell Physiol** 1986 Dec;129(3):347–55

T cell receptor alpha–, beta–, and gamma–genes in T cell and pre–B cell acute lymphoblastic leukemia. Felix CA, et al. **J Clin Invest** 1987 Aug;80(2):545–56

B cell insensitivity in a rat model of non–insulin–dependent diabetes. Evidence for a rapidly reversible effect of previous hyperglycemia. Grill V, et al. **J Clin Invest** 1987 Sep;80(3):664–9

Restoration of impaired B– and T–lymphocyte subsets and functions in vitro by isoprinosine in prodromal homosexuals and AIDS patients. Tsang PH, et al.
J Clin Lab Immunol 1986 Aug;20(4):159–65

Defective lymphopoiesis in bone marrow of motheaten (me/me) and viable motheaten (mev/mev) mutant mice. I. Analysis of development of prothymocytes, early B lineage cells, and terminal deoxynucleotidyl transferase–positive cells. Greiner DL, et al.
J Exp Med 1986 Oct 1;164(4):1129–44

Effect of tumor necrosis factor alpha on mitogen–activated human B cells. Kehrl JH, et al. **J Exp Med** 1987 Sep 1; 166(3):786–91

Endocytosis of MHC molecules by B cell–B lymphoma and B cell–T lymphoma hybrids. Aragnol D, et al.
J Immunol 1986 Nov 15;137(10):3347–53

Constitutive and induced expression of the individual HLA–DR beta and alpha chain loci in different cell types. Berdoz J, et al. **J Immunol** 1987 Aug 15;139(4):1336–41

Isotype switching in human B lymphocyte malignancies occurs by DNA deletion: evidence for nonspecific switch recombination. Borzillo GV, et al. **J Immunol** 1987 Aug 15;139(4):1326–35

Purification and biochemical characterization of a human autocrine growth factor produced by Epstein–Barr virus–transformed B cells. Buck J, et al. **J Immunol** 1987 May 1;138(9):2923–8

Transmembrane signaling through B cell MHC class II molecules: anti–Ia antibodies induce protein kinase C translocation to the nuclear fraction. Chen ZZ, et al.
J Immunol 1987 Apr 1;138(7):2345–52

B cell growth–promoting activity of recombinant human interleukin 4. Defrance T, et al. **J Immunol** 1987 Aug 15; 139(4):1135–41

Lymphoid bone marrow cultures can reconstitute heterogeneous B and T cell–dependent responses in severe combined immunodeficient mice. Dorshkind K, et al.
J Immunol 1986 Dec 1;137(11):3457–63

Requirement for BSF–1 in the induction of antigen–specific B cell proliferation by a thymus–dependent antigen and carrier–reactive T cell line. Dubois P, et al. **J Immunol** 1987 Sep 15;139(6):1927–34

Cross–linking membrane IgM induces production of inositol trisphosphate and inositol tetrakisphosphate in WEHI–231 B lymphoma cells. Fahey KA, et al. **J Immunol** 1987 Jun 1;138(11):3935–42

Identification of a prominent nuclear protein associated with proliferation of normal and malignant B cells. Feuerstein N, et al. **J Immunol** 1987 Sep 15;139(6):1818–22

Comparative activation requirements of human peripheral blood, spleen, and lymph node B cells. Jelinek DF, et al. **J Immunol** 1987 Aug 15;139(4):1005–13

BSF1 induces membrane protein phosphorylation but not phosphoinositide metabolism, Ca2+ mobilization, protein kinase C translocation, or membrane depolarization in resting murine B lymphocytes. Justement L, et al.
J Immunol 1986 Dec 1;137(11):3664–70

Characterization of a B cell–derived growth–enhancing factor produced by a human B cell line established from a patient with rheumatoid arthritis. Kang H, et al.
J Immunol 1987 Aug 15;139(4):1154–60

Synergistic effect of recombinant IL 2 and interferon–gamma on the proliferation of human monoclonal lymphocytes. Karray S, et al. **J Immunol** 1987 Jun 1;138(11):3824–8

The murine lymphocyte receptor for IgE. V. Biosynthesis, transport, and maturation of the B cell Fc epsilon receptor. Keegan AD, et al. **J Immunol** 1987 Aug 15;139(4):1199–205

Genetic influence on the levels of circulating CD5 B lymphocytes. Kipps TJ, et al. **J Immunol** 1987 Aug 15; 139(4):1060–4

Proteins associated with B lymphocyte hyperactivity in New Zealand black mice. Lal RB, et al. **J Immunol** 1987 Jun 1;138(11):3793–8

The murine lymphocyte receptor for IgE. IV. The mechanism of ligand–specific receptor upregulation on B cells. Lee WT, et al. **J Immunol** 1987 Aug 15;139(4):1191–8

Start of mu–chain production by the further two–step rearrangements of immunoglobulin heavy chain genes on one chromosome from a DJH/DJH configuration in an Abelson virus–transformed cell line: evidence of secondary DJH complex formation. Maeda T, et al. **J Immunol** 1987 Apr 1;138(7):2305–10

Mitogen–driven B cell proliferation and differentiation are not accompanied by hypermutation of immunoglobulin variable region genes. Manser T. **J Immunol** 1987 Jul 1; 139(1):234–8

Protein kinase C activation blocks anti–IgM–mediated signaling BAL17 B lymphoma cells. Mizuguchi J, et al.
J Immunol 1987 Aug 15;139(4):1054–9

BSF–1 action on resting B cells does not require elevation of inositol phospholipid metabolism or increased [Ca2+]i. Mizuguchi J, et al. **J Immunol** 1986 Oct 1;137(7):2215–9

Regulation of class II gene expression: analysis in B cell stimulatory factor 1–inducible murine pre–B cell lines. Polla BS, et al. **J Immunol** 1986 Nov 15;137(10):3332–7

The B lymphocyte calcium response to anti–Ig is diminished by membrane immunoglobulin cross–linkage to the Fc gamma receptor. Wilson HA, et al. **J Immunol** 1987 Mar 15;138(6):1712–8

Immunoglobulin gene rearrangements in normal mouse B cells. Early P, et al. **Mol Cell Biol** 1982 Jul;2(7):829–36

B–cell nuclear proteins binding in vitro to the human immunoglobulin kappa enhancer: localization by exonuclease protection. Gimble JM, et al. **Mol Cell Biol** 1987 May;7(5):1815–22

Molecular characterization of novel reciprocal translocation t(6;14) in an Epstein–Barr virus–transformed B cell precursor. Otsu M, et al. **Mol Cell Biol** 1987 Feb; 7(2):708–17

In vitro transcription of immunoglobulin genes in a B–cell extract: effects of enhancer and promoter sequences. Sen R, et al. **Mol Cell Biol** 1987 May;7(5):1989–94

Interaction of cell–type–specific nuclear proteins with immunoglobulin VH promoter region sequences. Landolfi NF, et al. **Nature** 1986 Oct 9–15;323(6088):548–51

A lymphoid–specific protein binding to the octamer motif of immunoglobulin genes. Staudt LM, et al. **Nature** 1986 Oct 16–22;323(6089):640–3

Effect of feline leukemia virus on the development of plaque forming cells in feline peripheral blood lymphocytes. Chuma T, et al. **Nippon Juigaku Zasshi** 1987 Aug; 49(4):737–9

Morphological and functional studies of myeloma cells with haemophagocytosis. Nakazawa M, et al.
Nippon Ketsueki Gakkai Zasshi 1986 Jul;49(4):938–49

Regulation of differential processing of mouse immunoglobulin mu heavy–chain mRNA. Tsurushita N, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4603–15

Allelic inclusion in a pre–B–cell line that generates immunoglobulin heavy chain genes in vitro. Beck–Engeser G, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):1060–4

A re–evaluation of the function of the bursa of Fabricius. Ratcliffe MJ, et al. **Prog Clin Biol Res** 1987;238:3–14

Activation of malignant B–lymphocytes: pathophysiologic and clinical importance. Robert KH, et al.
Scand J Haematol 1986 Nov;37(5):363–70

Vaccination–induced circulation of human B cells secreting type–specific antibodies against pneumococcal polysaccharides. Heilmann C, et al. **Scand J Immunol** 1987 Jan;25(1):61–7

Pertussis toxin inhibition of B cell and macrophage responses to bacterial lipopolysaccharide. Jakway JP, et al.
Science 1986 Nov 7;234(4777):743–6

Molecular cloning and expression of a human B–cell growth factor gene in Escherichia coli. Sharma S, et al.
Science 1987 Mar 20;235(4795):1489–92

[Role of B cells in CFU–mix growth] Chiang FT, et al.
Shih Yen Sheng Wu Hsueh Pao 1986 Jun;19(2):203–10 (Eng. Abstr.) **(Chi)**

[The effect of glucose concentrations on the functional maturation of monolayer–cultured B cells of neonatal rat pancreases] Wakabayashi S, et al.
Nippon Naibunpi Gakkai Zasshi 1986 Oct 20;62(10):1163–80 (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

The evaluation of effect of radiotherapy on T and B lymphocytes with standard methods and monoclonal antibodies: results at 30 months. Monti G, et al.
Boll Ist Sieroter Milan 1986;65(5):394–9

Chromosomal radiosensitivity during G2 phase and susceptibility to plasmacytoma induction in mice. Sanford KK, et al. **Curr Top Microbiol Immunol** 1986;132:202–8

Effect of whole–body irradiation on precursor frequency of autoantibody–secreting cells and plaque–forming cells specific for bromelain–modified erythrocytes. Errington SL, et al. **Int Arch Allergy Appl Immunol** 1987; 83(4):398–403

Effect of in vitro irradiation and cell cycle–inhibitory drugs on the spontaneous human IgE synthesis in vitro. Del Prete GF, et al. **J Allergy Clin Immunol** 1987 Jan;79(1):69–77

[Photomodification of human immunocompetent blood cells] Krylenkov VA, et al. **Biull Eksp Biol Med** 1987 May; 103(5):600–3 (Eng. Abstr.) **(Rus)**

[Cloning of murine B– and T–lymphocytes in vitro after the long–term action of tritium oxide] Kirillova EN.
Radiobiologiia 1986 Nov–Dec;26(6):783–7 (Eng. Abstr.) **(Rus)**

[Bone marrow T– and B–lymphocytes following exposure to decimeter waves (experimental study)] Evstropov VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Nov–Dec; (6):24–6 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Use of radiolabeled monoclonal anti–B1 antibody for B lymphocyte imaging in rhesus monkeys. Letvin NL, et al.
Int J Rad Appl Instrum [B] 1987;14(2):99–105

SECRETION

Independent regulation of B–cell inducing factor and IL–2 production by T lymphocytes, and direct and indirect promotion of immunoglobulin secretion by glucocorticosteroid. Jeong G, et al. **Cell Immunol** 1986 Nov;103(1):199–206

C1q inhibits the expression of B lymphoblastoid cell line interleukin 1 (IL 1). Habicht GS, et al. **J Immunol** 1987 Apr 15;138(8):2593–7

TRANSPLANTATION

Stress–induced modulation of the immune network. Bösing–Schneider R. **Ann NY Acad Sci** 1987;496:447–9

Hemolytic anemia resulting from autoantibodies produced by the donor's lymphocytes after renal transplantation. Ahmed KY, et al. **Transplantation** 1987 Jan;43(1):163–4

ULTRASTRUCTURE

Biochemical and ultrastructural findings in Epstein–Barr virus–transformed lymphoid cell lines from type 1 Gaucher disease. Maret A, et al. **Biol Cell** 1987;59(1):101–4

Monoclonal antibody to a nucleolar antigen of human B–lymphoblastoid cells. Todorov IT, et al. **Cell Biol Int Rep** 1987 Mar;11(3):181–7

Receptors for mouse erythrocytes on human immature B lymphocytes: still a valuable tool in immunohaematology. Youinou PY, et al. **Diagn Clin Immunol** 1987;5(2):112–4

Expression of the Fc gamma receptor on Ly–1+ B lymphocytes. Dexter CM, et al. **Eur J Immunol** 1987 Jun; 17(6):867–71

Three–way differentiation of sister chromatids in endoreduplicated (M3) chromosomes of Bloom syndrome B–lymphoid cell line. Bamezai R, et al. **Hum Genet** 1987 Mar;75(3):239–43

Epstein–Barr virus–related ultrastructural modifications of plasma membrane during B–cell transformation. Arancia G, et al. **Int J Cancer** 1986 Oct 15;38(4):549–52

The specific direct interaction of helper T cells and antigen–presenting B cells. II. Reorientation of the microtubule organizing center and reorganization of the membrane–associated cytoskeleton inside the bound helper T cells. Kupfer A, et al. **J Exp Med** 1987 Jun 1; 165(6):1565–80

Cross–linking of insulin receptors to MHC antigens in human B lymphocytes: evidence for selective molecular interactions. Samson M, et al. **J Immunol** 1986 Oct 1; 137(7):2293–8

15–HETE "modulates" expression of C3b receptor (CR1) antigen on peripheral blood B–lymphocytes. Cook J, et al. **Prostaglandins Leukotrienes Med** 1986 Aug; 23(2–3):201–6

[Immunohistochemical characterization of lymphocytes in the cornea] Scheiffarth OF, et al. **Fortschr Ophthalmol** 1986;83(6):714–5 (Eng. Abstr.) **(Ger)**

[Ultrastructural zipper–like structures and common ALL antigen positive, surface immunoglobulin negative phenotypes of surface markers in a case of hairy cell leukemia] Yoshioka A, et al. **Rinsho Ketsueki** 1986 Sep; 27(9):1674–9 (Eng. Abstr.) **(Jpn)**

T LYMPHOCYTES

see related

LYMPHOCYTE COOPERATION

Engraftment of T–cell–depleted rabbit bone marrow. Gratwohl A, et al. **Acta Haematol (Basel)** 1987;77(4):208–14

Immunohistochemical study on the distribution and significance of mononuclear cells in human breast carcinoma. Tanaka H, et al. **Acta Pathol Jpn** 1986 Oct; 36(10):1455–68

Demonstration of a thymus cell tumour in BLV–infected cattle. Ristau E, et al. **Acta Virol (Praha)** 1986 Nov; 30(6):457–62

Factors in addition to the direct cytopathic action of HTLV–3/LAV contribute to the loss of T4 cells characteristic of AIDS [letter] Yabrov A. **AIDS Res** 1986 Summer;2(3):155–6

Depletion of T lymphocytes from human bone marrow by the use of counterflow elutriation centrifugation. Takaue Y, et al. **Am J Hematol** 1986 Nov;23(3):247–62

Most nasal/nasopharyngeal lymphomas are peripheral T–cell neoplasms. Chan JK, et al. **Am J Surg Pathol** 1987 Jun; 11(6):418–29

The role of chromosomal translocations in B– and T–cell neoplasia. Showe LC, et al. **Annu Rev Immunol** 1987; 5:253–77 (82 ref.)

T lymphocyte subsets in parenteral and non–parenteral heroin abusers in Britain. Novick DM, et al. **Br J Addict** 1986 Oct;81(5):679–83

Recovery of immunoglobulin isotypes following T–cell depleted allogeneic bone marrow transplantation. Brenner MK, et al. **Br J Haematol** 1986 Sep;64(1):125–32

Standardization of T–cell depletion in HLA matched bone marrow transplantation. Gilmore MJ, et al. **Br J Haematol** 1986 Sep;64(1):69–75

Ex vivo T–cell depletion with the monoclonal antibody Campath–1 plus human complement effectively prevents acute graft–versus–host disease in allogeneic bone marrow transplantation. Heit W, et al. **Br J Haematol** 1986 Nov; 64(3):479–86

Lethal midline granuloma with a novel T–cell phenotype as found in peripheral T–cell lymphoma. Lippman SM, et al. **Cancer** 1987 Mar 1;59(5):936–9

Human immunodeficiency virus–associated T–cell lymphoblastic lymphoma in AIDS. Presant CA, et al. **Cancer** 1987 Oct 1;60(7):1459–61

Immunocompetent cells in human testis in health and disease. el–Demiry MI, et al. **Fertil Steril** 1987 Sep;48(3):470–9

Monoclonal antibodies reactive in routinely processed tissue sections of malignant lymphoma, with emphasis on T–cell lymphomas. Strickler JG, et al. **Hum Pathol** 1987 Aug; 18(8):808–14

16th annual UCLA symposium. Abstracts: The T cell receptor. **J Cell Biochem [Suppl]** 1987;11D:199–301

Peripheral T cell lymphoma. Liang R, et al. **J Clin Oncol** 1987 May;5(5):750–5

Timing of infiltration of T lymphocytes induced by gluten into the small intestine in coeliac disease. Freedman AR, et al. **J Clin Pathol** 1987 Jul;40(7):741–5

T cells, interferon, and rhinovirus infection [letter] Schattner A. **J Infect Dis** 1987 Apr;155(4):834

The crucial role of human dendritic antigen–presenting cell subsets in nickel–specific T–cell proliferation. Res P, et al. **J Invest Dermatol** 1987 May;88(5):550–4

Lymphocyte subsets in the young and aging marmoset (Callithrix jacchus). O'Neill PA, et al. **J Med Primatol** 1986; 15(6):409–17

Effect of T4 count and cofactors on the incidence of AIDS in homosexual men infected with human immunodeficiency virus. Goedert JJ, et al. **JAMA** 1987 Jan 16;257(3):331–4

Impact of T–cell depletion on outcome of allogeneic bone–marrow transplantation for standard–risk leukaemias. Maraninchi D, et al. **Lancet** 1987 Jul 25;2(8552):175–8

DNA rearrangements in human B– and T–cell malignancies. Smith CI, et al. **Med Oncol Tumor Pharmacother** 1986; 3(3–4):153–7 (40 ref.)

Efficacy of astatine–211–labeled monoclonal antibody in treatment of murine T–cell lymphoma. Harrison A, et al. **NCI Monogr** 1987;(3):157–8

Lymphocyte subpopulations, in bronchial lavage, in patients with lung cancer. Rossi P, et al. **Panminerva Med** 1986 Oct–Dec;28(4):343–6

Peripheral blood leucocytes subpopulation dynamics during Trypanosoma congolense infection in Boran and N'Dama cattle: an analysis using monoclonal antibodies and flow cytometry. Ellis JA, et al. **Parasite Immunol** 1987 May; 9(3):363–78

A common mechanism of chromosomal translocation in T– and B–cell neoplasia. Finger LR, et al. **Science** 1986 Nov 21;234(4779):982–5

Establishment and characterization of T–cell lines (Yana–I and Yana–II) derived from a patient with chronic adult T–cell leukemia (ATL). Yamaguchi A, et al. **Tohoku J Exp Med** 1987 Jun;152(2):139–49

Graft rejection in recipients of T–cell–depleted HLA–nonidentical marrow transplants for leukemia. Identification of host–derived antidonor allocytotoxic T lymphocytes. Kernan NA, et al. **Transplantation** 1987 Jun; 43(6):842–7

Bone marrow transplantation with T–cell–depleted grafts. II. Reconstitution of immunohemopoietic functions in lethally irradiated mice transplanted with unseparated or T–cell–depleted bone marrow grafts disparate at minor histocompatibility antigens. Leshem B, et al. **Transplantation** 1987 Jun;43(6):814–7

Relationship between structure and T–lymphocyte maturation in human thymomas. Enzyme histochemical and immunohistological studies. Palestro G, et al. **Virchows Arch [B]** 1987;52(5):389–402

[The postnatal behavior of immunoglobulin levels and T–lymphocyte count in piglets of the Mini–Lewe breed] Eichler C, et al. **Arch Exp Veterinarmed** 1986 Nov; 40(6):925–32 (Eng. Abstr.) **(Ger)**

[Comparison of lymphocyte subpopulations in arterial and venous blood of the rat] Kunieda T, et al. **Jikken Dobutsu** 1987 Apr;36(2):109–16 (Eng. Abstr.) **(Jpn)**

[T–lymphocytosis and lymphokines in bronchoalveolar lavage fluid of a gold salt–induced pneumonitis] Ikeda S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Nov; 24(11):1258–65 (Eng. Abstr.) **(Jpn)**

[Kinetics of T–lymphocytes and cortisol in the blood of the human fetus] Khairullin RM, et al. **Akush Ginekol (Mosk)** 1987 Jan;(1):60–1 **(Rus)**

[Use of the lymphocytotoxic test in the quantitative evaluation of human T– and B–lymphocytes] Zotikov EA, et al. **Lab Delo** 1986;(10):601–4 (Eng. Abstr.) **(Rus)**

ANALYSIS

Reactivity of monoclonal antibodies LAU–A1 and anti–Y 29/55 in T and B cell malignancies of children: correlation with immunological markers and clinical data. Hirt A, et al. **Acta Haematol (Basel)** 1986;76(1):9–15

Duodenal mucosal T cell subpopulation and bacterial cultures in acquired immune deficiency syndrome. Budhraja M, et al. **Am J Gastroenterol** 1987 May;82(5):427–31

Cytomegalovirus infection in homosexual men. Relationship to sexual practices, antibody to human immunodeficiency virus, and cell–mediated immunity. Collier AC, et al. **Am J Med** 1987 Mar 23;82(3 Spec No):593–601

Fractionation of detergent lysates of cells by ammonium sulphate–induced phase separation. Parish CR, et al. **Anal Biochem** 1986 Aug 1;156(2):495–502

Restriction fragment length polymorphism for the T cell receptor alpha and beta chain genes in rheumatoid arthritis [letter] Sakkas LI, et al. **Arthritis Rheum** 1987 Feb; 30(2):231–2

T–lymphocyte subsets in patients with squamous cell carcinoma of the head and neck. Furusaka T, et al. **Auris Nasus Larynx** 1986;13 Suppl 1:S143–8

Interleukin 1 alpha mRNA in virus–transformed T and B cells. Noma T, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):353–60

Determination of cell–free interleukin 2 receptor level in the serum of normal animals and of animals bearing IL–2 receptor positive tumours with high or low metastatic capacity. Schirrmacher V, et al. **Br J Cancer** 1987 Jun; 55(6):583–7

Expression of GD3 ganglioside in childhood T–cell lymphoblastic malignancies. Merritt WD, et al. **Cancer Res** 1987 Mar 15;47(6):1724–30

Isolation of antigen–binding membrane molecules from an antigen–specific T–cell hybrid. Cone RE, et al. **Cell Immunol** 1986 Apr 15;99(1):257–64

Identification of peanut agglutinin–binding glycoproteins on immature human thymocytes. De Maio A, et al. **Cell Immunol** 1986 May;99(2):345–53

Inhibitors of IL–2 production and IL–2 receptor expression in human leukemic T–cell line, Jurkat. Koizumi T, et al. **Cell Immunol** 1986 Dec;103(2):469–75

Separation and purification of lymphocyte chemotactic factor (LCF) and interleukin 2 produced by human peripheral blood mononuclear cells. Potter JW, et al. **Cell Immunol** 1987 Mar;105(1):9–22

A human T–T–cell hybridoma–derived lymphocyte chemoattractant factor. Theodore AC, et al. **Cell Immunol** 1986 Apr 1;98(2):411–21

The interleukin–2 receptor on malignant cells: a target for diagnosis and therapy. Waldmann TA. **Cell Immunol** 1986 Apr 15;99(1):53–60

Increased circulating Ia–positive T cells in patients with idiopathic thrombocytopenic purpura. Mizutani H, et al. **Clin Exp Immunol** 1987 Jan;67(1):191–7

Induction of interleukin 2 receptors on immature human thymocytes and co–expression of T3 and T6 antigens. Reem GH, et al. **Clin Exp Immunol** 1986 Nov;66(2):358–64

Structural characterization of gangliosides from murine T lymphocytes. Müthing J, et al. **Eur J Biochem** 1987 Mar 2;163(2):407–16

T cell receptor expression and receptor–mediated induction of clonal growth in the developing mouse thymus. High surface beta–chain density is a requirement for functional maturity. Crispe IN, et al. **Eur J Immunol** 1986 Oct; 16(10):1283–8

A human T cell–specific cDNA clone (YT16) encodes a protein with extensive homology to a family of protein–tyrosine kinases. Koga Y, et al. **Eur J Immunol** 1986 Dec;16(12):1643–6

VLA–3: a novel polypeptide association within the VLA molecular complex: cell distribution and biochemical characterization. Sánchez–Madrid F, et al. **Eur J Immunol** 1986 Nov;16(11):1343–9

Repertoire of the human T cell gamma genes: high frequency of nonfunctional transcripts in thymus and mature T cells. Yoshikai Y, et al. **Eur J Immunol** 1987 Jan;17(1):119–26

Human T hybridoma–derived immunoglobulin–binding factors. Stadler BM, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):405–7

Biochemical characterization of the human basophil–promoting activity. Stadler BM, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):338–40

Presence of in vivo–activated T–cells expressing HLA–DR molecules and IL–2 receptors in peripheral blood of patients with nasopharyngeal carcinoma. Lakhdar M, et al. **Int J Cancer** 1987 Jun 15;39(6):663–9

Detection of mRNAs coding for translationally regulated heat–shock proteins in non–heat–shocked thymic lymphocytes. Colbert RA, et al. **J Biol Chem** 1987 Jul 25; 262(21):9939–41

Identification of fibronectin receptors on T lymphocytes. Cardarelli PM, et al. **J Cell Biol** 1987 Jul;105(1):499–506

The T cell antigen receptor complex expressed on normal peripheral blood CD4–, CD8– T lymphocytes. A CD3–associated disulfide–linked gamma chain heterodimer. Lanier LL, et al. **J Exp Med** 1987 Apr 1; 165(4):1076–94

Tyrosine phosphorylation of an interleukin 2 receptor–like protein in cells transformed by human T cell leukemia virus type I. Ogawa R, et al. **J Exp Med** 1987 Apr 1; 165(4):959–69

Methylation of Marek's disease virus DNA in chicken T–lymphoblastoid cell lines. Kanamori A, et al. **J Gen Virol** 1987 May;68 (Pt 5):1485–90

Characterization of a novel murine T cell–activating factor. Garman RD, et al. **J Immunol** 1987 Feb 15;138(4):1121–9

Carbohydrate differentiation antigens of murine T cells: expression on intestinal lymphocytes and intestinal epithelium. Lefrancois L. **J Immunol** 1987 May 15; 138(10):3375–84

Identification of a novel T cell surface disulfide–bonded dimer distinct from the alpha/beta antigen receptor. Nagasawa R, et al. **J Immunol** 1987 Feb 1;138(3):815–24

Quantitation of histamine, tryptase, and chymase in dispersed human T and TC mast cells. Schwartz LB, et al. **J Immunol** 1987 Apr 15;138(8):2611–5

Expression of interleukin 1 receptors on human peripheral T cells. Shirakawa F, et al. **J Immunol** 1987 Jun 15; 138(12):4243–8

Distribution of substance P receptors on murine spleen and Peyer's patch T and B cells. Stanisz AM, et al. **J Immunol** 1987 Aug 1;139(3):749–54

A simple microassay for interleukin–2 activity. Ando I, et al. **J Immunol Methods** 1987 Jan 26;96(1):133–7

Intraglomerular T cells and monocytes in nephritis: study with monoclonal antibodies. Nolasco FE, et al. **Kidney Int** 1987 May;31(5):1160–6

Clonal analysis of T cells in lymphomatoid papulosis [letter] **N Engl J Med** 1987 Feb 5;316(6):347–8

Analysis of CD3–associated molecules in CD4– 8– human T cell clones lacking the typical alpha/beta T cell receptor. Bottino C, et al. **Ric Clin Lab** 1987 Apr–Jun;17(2):125–9

[Expression of interleukin 2 receptor and class II histocompatibility antigens on lymphocytes of the

cerebrospinal fluid in patients with multiple sclerosis and other neurological diseases] Tournier-Lasserve E, et al. **Pathol Biol (Paris)** 1987 Mar;35(3):303–6 (Eng. Abstr.) **(Fre)**

[Changes in various immunologic indices in gout] Nikolenko Iul, et al. **Klin Med (Mosk)** 1987 Mar;65(3):118–22 (Eng. Abstr.) **(Rus)**

[Molecular basis of immunoregulatory disorders in man. Possible pathogenetic significance of the cyclic nucleotide system] Stenina MA, et al. **Lab Delo** 1986;(10):607–12 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

T- and B-lymphocytes in pemphigus vulgaris. A clinico-immunological follow-up study of fifty patients with pemphigus vulgaris. Mashkilleyson N. **Acta Derm Venereol (Stockh)** 1987;67(3):218–24

Anti-HTLV-III and anti-HTLV-I antibodies and T cell subsets in hemophiliacs living in HTLV-I endemic and nonendemic areas of Japan. Hattori T, et al. **Acta Haematol (Basel)** 1987;77(1):25–9

Abnormalities of T cell subsets in a patient with cyclic neutropenia. Ucci G, et al. **Acta Haematol (Basel)** 1987; 77(3):177–9

Identification of lymphocyte subsets in peripheral blood and thyroid gland in Graves' disease by alpha-naphthyl-acetate-esterase reaction. Balázs C, et al. **Acta Med Hung** 1986;43(4):381–7

Phenotypic in situ characterization of lymphocytes in mild alcoholic liver disease. Bergroth V, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1986 Sep; 94(5):337–41

T-cell subsets and treatment response in AIDS [letter] Bihari B, et al. **AIDS Res** 1986 Fall;2(4):263–6

Abnormalities of lymphocyte subsets and anti-LAV/HTLV-III status in Greek hemophiliacs. Choremi H, et al. **AIDS Res** 1986 Fall;2(4):271–7

T-lymphocyte subsets and their cytotoxic capacity in patients with type I and type II diabetes mellitus. Horváth M, et al. **Allergol Immunopathol (Madr)** 1986 Sep-Oct; 14(5):399–405

Imbalance among T-cell subsets in patients with coronary arterial aneurysms in Kawasaki disease. Terai M, et al. **Am J Cardiol** 1987 Sep 1;60(7):555–9

Enumerating T-cell subsets on blood smears. An evaluation of an indirect immunoalkaline phosphatase method. Wong GK, et al. **Am J Clin Pathol** 1986 Dec;86(6):756–9

Alterations in helper-specific circulating T lymphocytes and in the autologous mixed lymphocyte reaction in chronic hepatitis B. Mazzetti M, et al. **Am J Gastroenterol** 1987 Feb;82(2):130–4

Peripheral blood T-cell subpopulations in the very low birth weight (less than 1,500-g) infant. Ballow M, et al. **Am J Hematol** 1987 Jan;24(1):85–92

T-cell subsets and myeloma cell mass [letter] San Miguel JF, et al. **Am J Hematol** 1987 Jun;25(2):235–6

Extensive T8-positive lymphocytic visceral infiltration in a homosexual man. Guillon JM, et al. **Am J Med** 1987 Mar 23;82(3 Spec No):655–61

Congenital rubella. Monoclonal antibody-defined T cell abnormalities in young adults. Rabinowe SL, et al. **Am J Med** 1986 Nov;81(5):779–82

Clonal composition of T cells in lymphomatoid papulosis. Kadin ME, et al. **Am J Pathol** 1987 Jan;126(1):13–7

T-cell phenotyping in the diagnosis and management of AIDS and AIDS-related disease. Gottlieb MS, et al. **Ann Inst Pasteur Immunol** 1987 Mar-Apr;138(2):235–43

Natural history of human immunodeficiency virus infections in hemophiliacs: effects of T-cell subsets, platelet counts, and age. Eyster ME, et al. **Ann Intern Med** 1987 Jul; 107(1):1–6

T-lymphocyte subpopulation levels and immunoglobulin changes in the cerebrospinal fluid of patients with neurologic disorders. Pirttilä T, et al. **Ann NY Acad Sci** 1987;496:691–6

Changes in populations of T-cell subsets due to stress. Teshima H, et al. **Ann NY Acad Sci** 1987;496:459–66

An investigation of the action of disease modifying antirheumatic drugs on the rheumatoid synovial membrane: reduction in T lymphocyte subpopulations and HLA-DP and DQ antigen expression after gold or penicillamine therapy. Walters MT, et al. **Ann Rheum Dis** 1987 Jan; 46(1):7–16

T-lymphocyte subsets in renal allograft recipients treated with cyclosporine and azathioprine. Sumpio BE, et al. **Ann Surg** 1987 Jan;205(1):49–53

The effect of cardiopulmonary bypass on T cells and their subpopulations. Ide H, et al. **Ann Thorac Surg** 1987 Sep; 44(3):277–82

The I-J puzzle. Murphy DB. **Annu Rev Immunol** 1987; 5:405–27 (115 ref.)

T-cell receptor gene rearrangement in regressing atypical histiocytosis. Headington JT, et al. **Arch Dermatol** 1987 Sep;123(9):1183–7

T-cell subsets and natural killer cell function with squamous cell carcinoma of the head and neck. Strome M, et al. **Arch Otolaryngol Head Neck Surg** 1987 Oct;113(10):1090–3

Deficiency of the suppressor inducer subset of T lymphocytes in rheumatoid arthritis. Emery P, et al. **Arthritis Rheum** 1987 Aug;30(8):849–56

Subset specificity of antilymhocyte antibodies in systemic lupus erythematosus. II. Preferential reactivity with T4 + cells is associated with relative depletion of autologous T4 + cells. Winfield JB, et al. **Arthritis Rheum** 1987 Feb; 30(2):162–8

Immune mechanisms in atopic dermatitis: studies and hypothesis. Beran D, et al. **Australas J Dermatol** 1986 Dec; 27(3):112–7

Effects of herpes virus carrier status on peripheral T lymphocyte subsets. Gratama JW, et al. **Blood** 1987 Aug; 70(2):516–23

Monoclonal antibody defined T cell subsets in primary and secondary Sjögren's syndrome. Fossaluzza V, et al. **Boll Ist Sieroter Milan** 1986;65(5):440–2

The effects of cyclosporin A on T lymphocyte and dendritic cell sub-populations in psoriasis. Baker BS, et al. **Br J Dermatol** 1987 Apr;116(4):503–10

Lymphocyte phenotypes in cervical intraepithelial neoplasia and human papillomavirus infection. Tay SK, et al. **Br J Obstet Gynaecol** 1987 Jan;94(1):16–21

T lymphocytes of the normal human cornea. Scheiffarth OF, et al. **Br J Ophthalmol** 1987 May;71(5):384–6

Differentiation and maturation of functional T lymphocyte subsets in the thymus. I. Effect of irradiation of the thymus. Kina T. **Bull Chest Dis Res Inst Kyoto Univ** 1986 Mar; 19(1-2):31–42

Comparative analysis of T and B-cell subpopulations in normal thymus and thymus of myasthenia gravis. Wada H, et al. **Bull Chest Dis Res Inst Kyoto Univ** 1980 Mar; 13(1-2):19–24

T-cell prolymphocytic leukemia with an unusual phenotype CD4+ CD8+. Kluin-Nelemans HC, et al. **Cancer** 1987 Aug 15;60(4):794–803

Immunologic profile in patients with Hodgkin's disease in complete remission. Liberati AM, et al. **Cancer** 1987 Jun 1;59(11):1906–13

The Lyt phenotype of the T cells responsible for in vivo tumor rejection in syngeneic mice. Ozawa H, et al. **Cancer Immunol Immunother** 1986;23(1):73–7

Characterization of the T3+T4+T8+ thymocyte intermediate in vitro. Blue ML, et al. **Cell Immunol** 1987 Feb;104(2):223–31

Peripheral T-cell subsets in asymptomatic hepatitis B-virus carriers. Chu CM, et al. **Cell Immunol** 1986 Apr 1; 98(2):533–7

5'-nucleotidase activity of murine T-cell subpopulations separated according to their Lyt2 and L3T4 phenotypes. Dornand J, et al. **Cell Immunol** 1986 Nov;103(1):133–9

Glucocorticoid receptors in subpopulations of human lymphocytes defined by monoclonal antibodies. Martins VR, et al. **Cell Immunol** 1987 Apr 1;105(2):443–6

Cloned protein antigen-specific, Ia-restricted T cells with both helper and cytolytic activities: mechanisms of activation and killing. Ozaki S, et al. **Cell Immunol** 1987 Apr 1;105(2):301–16

T-lymphocyte subpopulations in patients with respiratory allergy [letter] Vila Justribo M, et al. **Chest** 1987 Feb; 91(2):287

T lymphocyte subpopulations in chronic renal failure. Hou JS, et al. **Chin Med J [Engl]** 1986 Apr;99(4):321–2

T-lymphocytes sut.population before and after surgical removal of hepatocellular carcinoma. Lee CS, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1986 Feb;19(1):27–33

FLow cytometry quantitation of peripheral blood T-cell subsets as a monitor of renal allograft rejection. Binkley WF, et al. **Cleve Clin Q** 1986 Fall;53(3):249–56

Thyrotropin-binding inhibitory immunoglobulin in patients with Graves' disease. Measurement and relationship to numeric abnormality of T cells. Gupta MK, et al. **Cleve Clin Q** 1986 Fall;53(3):291–7

Prognostic value of T lymphocyte subset ratios for renal transplant survival in patients on different immunosuppressive regimens. Henny FC, et al. **Clin Exp Immunol** 1986 Aug;65(2):373–80

Subfractionation of human T lymphocyte subpopulations by partitioning: surface heterogeneity of the OKT8/Leu2+ T cell subset. Michalski JP, et al. **Clin Exp Immunol** 1987 Mar;67(3):565–71

In situ characterization of T lymphocyte subpopulations in leprosy in the mangabey monkey. Modlin RL, et al. **Clin Exp Immunol** 1986 Aug;65(2):260–4

Experimental autoimmune thyroiditis: attempt to correlate disease development with lymphocyte subset changes. Smith E, et al. **Clin Exp Immunol** 1987 Feb;67(2):319–25

T cell subclasses in fetal human ileum. Spencer J, et al. **Clin Exp Immunol** 1986 Sep;65(3):553–8

Fluctuations of T- and B-cell subsets in basic protein-induced experimental allergic encephalomyelitis (EAE) in long-tailed macaques. Rose LM, et al. **Clin Immunol Immunopathol** 1987 Jul;44(1):93–106

Human T cell subset ratio quantitation by 51Cr release: assessment of a new technique. Kovithavongs T, et al. **Clin Invest Med** 1987 Mar;10(2):78–85

Serial studies of T-lymphocyte subpopulations in HIV seropositive haemophiliacs. Mahir WS, et al. **Clin Lab Haematol** 1987;9(2):109–14

Peripheral lymphocyte subsets in human chronic pyelonephritis. Favaro S, et al. **Clin Nephrol** 1986 Aug; 26(2):101–5

T lymphocyte subsets and antilymphocyte antibodies in lupus nephritis. Patel R, et al. **Clin Nephrol** 1986 Aug;26(2):83–6

T-lymphocyte subpopulations in peripheral blood of patients with multiple sclerosis, patients with other neurological diseases and healthy controls. de Graaf J, et al. **Clin Neurol Neurosurg** 1986;88(3):181–7

Sequential immunophenotypic study of lymphoid infiltrate in allergic and irritant reactions. Avnstorp C, et al. **Contact Dermatitis** 1987 May;16(5):239–45

Lymphocyte surface phenotypes in pernicious anemia. Carmel R, et al. **Dig Dis Sci** 1987 Aug;32(8):846–50

Lymphocyte subsets in primary sclerosing cholangitis. Lindor KD, et al. **Dig Dis Sci** 1987 Jul;32(7):720–5

T lymphocyte subpopulations in chronic lymphocytic leukemia of B cell type in relation to immunoglobulin isotype(s) on the leukemic clone and to clinical features. Kimby E, et al. **Eur J Haematol** 1987 Mar;38(3):261–7

Control of cell proliferation within the human thymus. A very limited thymocyte subpopulation generates a suppressive activity. Gelin C, et al. **Eur J Immunol** 1986 Oct;16(10):1209–16

Two natural killer cell populations which belong to T cell lineage in nude mice. Habu S, et al. **Eur J Immunol** 1986 Nov;16(11):1453–6

Stimulation and inhibition of human granulopoiesis in vitro by normal and malignant T4- or T8-lymphocyte subpopulations. Bonnefoix T, et al. **Exp Hematol** 1987 Jul; 15(6):645–51

Distinct roles for L3T4 in T cell activation. Greenstein JL, et al. **Fed Proc** 1987 Feb;46(2):313–6

Detection of T8 (suppressor/cytotoxic) lymphocytes in human ovarian follicular fluid. Hill JA, et al. **Fertil Steril** 1987 Jan;47(1):114–7

Phenotypic analysis of lamina propria lymphocytes. Predominance of helper-inducer and cytolytic T-cell phenotypes and deficiency of suppressor-inducer phenotypes in Crohn's disease and control patients. James SP, et al. **Gastroenterology** 1986 Dec;91(6):1483–9

Lymphocyte phenotypes at tumor margins in patients with head and neck cancer. Guo M, et al. **Head Neck Surg** 1987 May-Jun;9(5):265–71

Immune functions of former poison gas workers. II. Lymphocyte subsets and interleukin 2 production. Yamakido M, et al. **Hiroshima J Med Sci** 1986 Jun; 35(2):127–34

Immunocytology of plasmacytoid T cells: marker analysis indicates a unique phenotype of this enigmatic cell. Horny HP, et al. **Hum Pathol** 1987 Jan;18(1):28–32

An acute granular lymphoid leukemia with unusual cytochemistry and immunologic phenotype. Simpkins H, et al. **Hum Pathol** 1987 Jan;18(1):93–5

Stimulation and expansion of a human T-cell subpopulation by a monoclonal antibody to T-cell receptor molecule. Wang CY, et al. **Hybridoma** 1986 Fall;5(3):179–90

Human T cell subsets. Beverley PC. **Immunol Lett** 1987 Apr; 14(4):263–7 (32 ref.)

Some murine thymic lymphocytes can form gap junctions. Carolan EJ, et al. **Immunol Lett** 1986 Oct 15;13(5):255–60

T cell subsets in rheumatic fever in New Caledonia. Garraud O, et al. **Immunol Lett** 1986 Aug;13(1-2):75–7

Behaviourally conditioned modification of T cell subset ratios in rats. Husband AJ, et al. **Immunol Lett** 1987 Jan;14(2):91–4

Subpopulations of T lymphocytes. Mason DW. **Immunol Lett** 1987 Apr;14(4):269–70

Subpopulations of circulating lymphocytes in adults with coeliac disease. Větvička V, et al. **Immunol Lett** 1986 Aug; 13(1-2):15–8

Distribution of T-lymphocyte subsets in porcine lymphoid tissues. Jonjić N, et al. **Immunology** 1987 Mar;60(3):395–401

Study of T-lymphocyte subpopulations in Hodgkin's disease before and after chemotherapy. Nadkarni LS, et al. **Indian J Cancer** 1986 Mar;23(1):69–74

Evidence for an activated subpopulation of T8-bearing cells in male homosexuals with lymphadenopathy. Hillman J, et al. **Int Arch Allergy Appl Immunol** 1987;84(1):18–24

T-lymphocyte subsets modifications in multiple sclerosis: correlation with clinical disease activity. Prencipe M, et al. **Ital J Neurol Sci** 1986 Dec;7(6):583–7

Intrathyroidal T cell clones from patients with autoimmune thyroid disease. MacKenzie WA, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):818–24

New marker of B lymphocytes, MB2: comparison with other lymphocyte subset markers active in conventionally processed tissue sections. Hall PA, et al. **J Clin Pathol** 1987 Feb;40(2):151–6

Comparison of the nuclear contour index (NCI) and T cell subsets of erythematosus, plaque and tumor lesions in patients with mycosis fungoides (MF). Hantanyapong Y, et al. **J Dermatol (Tokyo)** 1987 Feb;14(1):43–7

T-cell subsets and NCI (nuclear contour index) of their skin infiltrates in mycosis fungoides (MF)--a comparison of pre-and post-treatments using ACNU [1-(4-amino-2 methyl-5-pyrimidinyl)-methyl-3-(2-chloroethyl-3-nitrosourea)] and interferon alpha and the effectiveness of interferon alpha on Sézary cells in vitro. Zhang KG, et al. **J Dermatol (Tokyo)** 1987 Apr;14(2):150–7

T cell subsets and thyroid-stimulating antibodies in patients with Graves' disease in clinical remission. Bagnasco M, et al. **J Endocrinol Invest** 1986 Jun;9(3):217–21

T suppressor cell growth factor and anti-CD3 antibodies stimulate reciprocal subsets of T lymphocytes. Fox EJ, et al. **J Exp Med** 1987 Aug 1;166(2):404–18

The MRC OX-44 antigen marks a functionally relevant subset among rat thymocytes. Paterson DJ, et al. **J Exp Med** 1987 Jan 1;165(1):1–13

Phenotype, specificity, and function of T cell subsets and

T cell interactions involved in skin allograft rejection. Rosenberg AS, et al. **J Exp Med** 1987 May 1; 165(5):1296–315

Role of T lymphocyte subsets in protection and recovery from Hantaan virus infection in mice. Asada H, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):1961–9

'Rejection or infection' predictive value of T-cell subject ratio, before and after heart transplantation. O'Toole CM, et al. **J Heart Transplant** 1985 Sep–Oct;4(5):518–24

Peripheral T-cell phenotypes in chronic active hepatitis B. Correlation with serum hepatitis B virus (HBV) markers and clinical features. Carneiro de Moura M, et al. **J Hepatol** 1986;3 Suppl 2:S301–4

Influence of HBV replication and delta agent superinfection on T cell subsets and killer (Leu 7+) in chronic hepatitis B virus infection. Ercilla MG, et al. **J Hepatol** 1986; 3(3):378–83

Influence of sexual preference and chronic hepatitis B virus infection on T lymphocyte subsets, natural killer activity, and suppressor cell activity. Novick DM, et al. **J Hepatol** 1986;3(3):363–70

Distinction of virgin and memory T lymphocytes. Stable acquisition of the Pgp-1 glycoprotein concomitant with antigenic stimulation. Budd RC, et al. **J Immunol** 1987 May 15;138(10):3120–9

A spleen-derived maturational factor allows immature thymocytes, prepared as cells bearing low amounts of surface sialic acid, to become cytotoxic T cells. Campbell PA, et al. **J Immunol** 1987 Sep 1;139(5):1385–92

Expression and functional significance of the J11d marker on mouse thymocytes. Crispe IN, et al. **J Immunol** 1987 Apr 1;138(7):2013–8

Subpopulations of mouse Lyt-2+ T cells defined by the expression of an Ly-6-linked antigen, B4B2. Fichtner AT, et al. **J Immunol** 1987 Apr 1;138(7):2024–33

The influence of T lymphocyte subsets and humoral factors on colony formation by human bone marrow and blood megakaryocyte progenitor cells in vitro. Geissler D, et al. **J Immunol** 1986 Oct 15;137(8):2508–13

Frequency analysis of class I MHC-reactive Lyt-2+ and class II MHC-reactive L3T4+ IL 2-secreting T lymphocytes. Heeg K, et al. **J Immunol** 1987 Jun 15; 138(12):4121–7

Clonal and frequency analyses of tumor-infiltrating T lymphocytes from human solid tumors. Miescher S, et al. **J Immunol** 1987 Jun 1;138(11):4004–11

Two phenotypically distinct populations of T cells have suppressor capabilities simultaneously in the maintenance phase of immunologic enhancement. Padberg WM, et al. **J Immunol** 1987 Sep 15;139(6):1751–7

Two-color flow cytometry and functional analysis of lymphocytes cultured from human renal allografts: identification of a Leu-2+3+ subpopulation. Preffer FI, et al. **J Immunol** 1986 Nov 1;137(9):2823–30

A comparison of two fluorescence-activated cell sorters, the FACSIV (laser) and the FACSTm (mercury lamp), as research analyzers for the quantification of T and B cell subsets in human peripheral blood. Blom J, et al. **J Immunol Methods** 1986 Dec 4;95(1):39–46

A new ELISA-based assay for quantitation of human T-lymphocyte subpopulations. Endl J, et al. **J Immunol Methods** 1987 Aug 24;102(1):77–83

T-cell subsets: effects of cryopreservation, paraformaldehyde fixation, incubation regime and choice of fluorescein-conjugated anti-mouse IgG on the percentage positive cells stained with monoclonal antibodies. Jones HP, et al. **J Immunol Methods** 1986 Sep 27;92(2):195–200

Analysis of T cell subsets in normal adults. Comparison of whole blood lysis technique to Ficoll-Hypaque separation by flow cytometry. Renzi P, et al. **J Immunol Methods** 1987 Apr 2;98(1):53–6

Low-dose X-irradiation and 4-hydroperoxycyclophosphamide distinguishes three Lyt-1+ lymph node T-cell subtypes that respond to specific antigen in vitro. Clark C, et al. **J Leukocyte Biol** 1987 Apr;41(4):330–40

Rapid determination of CSF lymphocyte subsets by labeled microspheres. Guseo A. **J Neuroimmunol** 1986 Dec; 13(2):117–22

T cell subsets and Ia-positive cells in the sciatic nerve during the course of experimental allergic neuritis. Ota K, et al. **J Neuroimmunol** 1987 Jan;13(3):283–92

Class II antigen expression and T lymphocyte subsets in chronic inflammatory demyelinating polyneuropathy. Pollard JD, et al. **J Neuroimmunol** 1986 Dec;13(2):123–34

Autologous mixed lymphocyte reaction (AMLR) in man. XVI. The AMLR and monoclonal antibody-defined T cell subsets and HNK 1+ natural killer cells in normal human pregnancy. Gupta S, et al. **J Reprod Immunol** 1986 Apr; 9(1):1–9

Peripheral blood T lymphocyte subpopulations determined by monoclonal antibodies in active rheumatoid arthritis. Luyten F, et al. **J Rheumatol** 1986 Oct;13(5):864–9

Antigenic phenotype of NIH 3T3 cell line. Ivanyi D. **JNCI** 1987 Jul;79(1):149–53

T-lymphocyte subsets in primary lung cancer. Tsuyuguchi I, et al. **Jpn J Clin Oncol** 1987 Mar;17(1):13–7

A reliable method for immunocytochemical characterization of CSF cells. Hohlfeld R, et al. **Klin Wochenschr** 1987 Jul 15;65(14):664–6

Double immunoenzyme staining method for analysis of tissue and blood lymphocyte subsets with monoclonal antibodies. Chen K, et al. **Lab Invest** 1987 Jan;56(1):114–9

Subpopulations of T cells in lung biopsies from patients with pigeon breeder's disease. Barrios R, et al. **Lung** 1987; 165(3):181–7

Role of L3T4 antigen in the activation of various functions of Lyt-1+2- T cells against vaccinia virus. Aoyama A, et al. **Microbiol Immunol** 1986;30(8):799–810

T-lymphocyte subsets, functional deficits, and morphology in sciatic nerves during experimental allergic neuritis. Strigård K, et al. **Muscle Nerve** 1987 May;10(4):329–37

Activated T-lymphocyte subsets in Graves' disease [letter] **N Engl J Med** 1987 Jul 23;317(4):247–9

Interleukin-2- and mitogen-activated NK-like killer cells from highly purified human peripheral blood T cell (CD3+ N901-) cultures. Atzpodien J, et al. **Nat Immun Cell Growth Regul** 1987;6(3):129–40

Studies of circulating immune complexes and lymphocyte subpopulations in childhood IgM mesangial nephropathy. Lin CY, et al. **Nephron** 1986;44(3):198–203

CSF mononuclear cell subsets in active MS: lack of disease-specific alteration. Kuroda Y, et al. **Neurology** 1987 Mar;37(3):497–9

Three possible laboratory indexes of disease activity in multiple sclerosis. Thompson AJ, et al. **Neurology** 1987 Mar;37(3):515–9

Correlation with clinical types and lymphocyte subsets in chronic renal allograft rejection. Tanabe K, et al. **Nippon Jinzo Gakkai Shi** 1986 Sep;28(9):1285–91

Analysis of macrophages, activated cells and T cell subsets in inflammatory myopathies using monoclonal antibodies. Giorno R, et al. **Pathol Immunopathol Res** 1986;5(6):491–9 (40 ref.)

Isolation and initial characterization of multiple species of T-lymphocyte subset cDNA clones. Kwon BS, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2896–900

Molecular cloning of Lyt-3, a membrane glycoprotein marking a subset of mouse T lymphocytes: molecular homology to immunoglobulin and T-cell receptor variable and joining regions. Nakauchi H, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4210–4

Determination of T lymphocyte subpopulations in patients with lung cancer. A comparison between lung lavage and peripheral blood by monoclonal antibodies and flow cytometry. Fracchia A, et al. **Respiration** 1987;51(3):161–9

T lymphocyte subpopulations defined by monoclonal antibodies in essential mixed cryoglobulinemia and in secondary cryoglobulinemias. Galli M, et al. **Ric Clin Lab** 1986 Apr–Jun;16(2):275–9

Study of serial lymphocyte subsets in multiple sclerosis: their possible role in the evaluation of disease progression. Cazzullo CL, et al. **Riv Neurol** 1987 Jan–Feb;57(1):24–6

The effect of hepatectomy on T-lymphocytes and their subpopulations in rats. Lee CS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 May;86(5):474–9

Analysis of the thymic microenvironment by monoclonal antibodies with special reference to thymic nurse cells. Hirokawa K, et al. **Thymus** 1986;8(6):349–60

Tumor histology and the immunoregulatory T lymphocyte subsets in lung cancer patients. Kumano N, et al. **Tohoku J Exp Med** 1986 Dec;150(4):483–4

Expansion of a large granular lymphocyte subset that lacks natural killer activity in long-term kidney transplant recipients. Legendre C, et al. **Transplant Proc** 1987 Aug; 19(4):3394–5

Differentiation of acute rejection from acute cyclosporine nephrotoxicity in renal transplants peripheral T cell subset counts. Shen SY, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1776–9

Functional analysis of T cell subsets and clones in human renal allograft rejection. Stegagno M, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):394–7

Large granular lymphocyte subsets in long-term renal allograft recipients. Yip GH, et al. **Transplant Proc** 1987 Aug;19(4):3396–8

T cell subset patterns in cyclosporine-treated renal transplant recipients with primary cytomegalovirus disease. Dafoe DC, et al. **Transplantation** 1987 Mar;43(3):452–4

T lymphocyte subpopulations in bone-marrow-transplanted patients in relation to graft-versus-host disease and cytomegalovirus-induced infection. Persson U, et al. **Transplantation** 1987 May;43(5):663–8

The effect of T subset depletion on the incidence of lethal graft-versus-host disease in a murine major-histocompatibility-complex-mismatched transplantation system. Pietryga DW, et al. **Transplantation** 1987 Mar;43(3):442–5

Blocking antibodies and T cell subsets in long-term survivors of renal allografts. Shohat B, et al. **Transplantation** 1987 Jul;44(1):34–7

Lymphocyte subsets in urologic cancer patients. Shaw M, et al. **Urol Res** 1987;15(3):181–5

A study of bovine T-cell subsets in the blood and mammary gland secretions during the dry period. Wilson RA, et al. **Vet Immunol Immunopathol** 1986 Sep;13(1–2):151–64

[T gamma cells and T mu cells in patients with gynecologic cancers] Shao LS, et al. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Jul;21(4):242–4, 254 (Eng. Abstr.) **(Chi)**

[Spontaneous suppressor T cell function and its relation to T cell subsets in hepatitis B] Liu F. **Chung Hua I Hsueh Tsa Chih** 1986 Sep;66(9):514–8, 574 (Eng. Abstr.) **(Chi)**

[Immunology of cholesteatoma] Visser CE, et al. **Ann Otolaryngol Chir Cervicofac** 1987;104(2):111–5 (Eng. Abstr.) **(Fre)**

[Changes in the ratio of T-lymphocyte subpopulations in various cytological samples of Plummer's thyroid adenoma] Napolitano G, et al. **C R Soc Biol (Paris)** 1987;181(2):145–9 (Eng. Abstr.) **(Fre)**

[Effect of cyclosporin on the number of circulating lymphocytes and T lymphocyte subpopulations in AIDS (letter)] Leport C, et al. **Presse Med** 1986 Nov 29; 15(42):2118–9 **(Fre)**

[Lymphocyte typing in blood and alveolar lavage fluid of asthmatic patients (letter)] Rey F, et al. **Presse Med** 1987 Feb 28;16(7):358 **(Fre)**

[T-cell classification of the peripheral venous blood of patients with breast cancer] Lellé RJ, et al. **Dtsch Med Wochenschr** 1987 Jun 26;112(26):1027–31 (Eng. Abstr.) **(Ger)**

[Determination of peripheral T-lymphocytes and the essential phases of the ovarian cycle] Cipolla C, et al. **Boll Ist Sieroter Milan** 1987;66(1):86–8 **(Ita)**

[Immunopathology of HTLV III infection in drug addicts] Corridori S, et al. **Boll Ist Sieroter Milan** 1986;65(5):354–6 (Eng. Abstr.) **(Ita)**

[Characterization of the immune status of 27 young drug addicts] Cantore M, et al. **G Clin Med** 1986 Feb;67(1):13–4, 19 (Eng. Abstr.) **(Ita)**

[Distribution of T-lymphocyte subpopulations in non-Hodgkin's lymphomas] La Rosa L, et al. **Minerva Med** 1987 Apr 15;78(7):469–72 (Eng. Abstr.) **(Ita)**

[A possible role of T cell subsets causing anemia in systemic lupus erythematosus (SLE)] Koyanagawa Y. **Hokkaido Igaku Zasshi** 1987 May;62(3):370–80 (Eng. Abstr.) **(Jpn)**

[Influence of stellate ganglion block on immune system] Matsuoka H. **Masui** 1987 Mar;36(3):389–401 (Eng. Abstr.) **(Jpn)**

[Changes in Leu 7+ lymphocyte subset in the peripheral blood of cancer patients during radiotherapy—analysis with flow-cytometry] Inomata T, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Dec 20;21(10):2446–53 (Eng. Abstr.) **(Jpn)**

[Evaluation of lymphocyte subsets in patients with herpetic keratitis] Kita M, et al. **Nippon Ganka Gakkai Zasshi** 1987 Feb;91(2):240–5 (Eng. Abstr.) **(Jpn)**

[Analysis of lymphocyte subsets infiltrated into mouse tumor tissue exposed to local irradiation—histological study using monoclonal antibodies] Hirota S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Nov 25; 46(11):1331–49 (Eng. Abstr.) **(Jpn)**

[T-cell subpopulation in the nasal mucosa of allergic rhinitis defined by monoclonal antibodies] Yamaguchi K. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Aug;89(8):1030–6 (Eng. Abstr.) **(Jpn)**

[Local distribution of T lymphocyte subsets in non-specific inflammatory bowel disease] Yamaoka H. **Nippon Shokakibyo Gakkai Zasshi** 1986 Aug;83(8):1461–72 (Eng. Abstr.) **(Jpn)**

[T cell subset—recent progress and clinical implication] Morimoto C. **Ryumachi** 1986 Jun;26(3):179–88 (73 ref.) **(Jpn)**

[Characterization of T-lymphocyte subpopulations determined by monoclonal antibodies in chronic Chagas' cardiopathy] Gattas CR, et al. **Arq Bras Cardiol** 1986 Oct; 47(4):237–42 (Eng. Abstr.) **(Por)**

[The ratio of the T lymphocyte subpopulation in patients on chronic hemodialysis] Ljaljević J, et al. **Glas Srp Akad Nauka [Med]** 1985;(37):109–16 (Eng. Abstr.) **(Scc)**

[The level of the T lymphocyte and B lymphocyte subpopulations in patients with systemic lupus erythematosus] Ljaljević M, et al. **Glas Srp Akad Nauka [Med]** 1985;(37):131–9 (Eng. Abstr.) **(Scc)**

[T lymphocyte populations in benign thymus hyperplasia] Miličević J, et al. **Srp Arh Celok Lek** 1986 Nov–Dec; 114(11–12):1027–32 (Eng. Abstr.) **(Scc)**

[T lymphocyte subpopulations, markers of the HTLV III virus and immunoglobulin levels in asymptomatic homosexuals of the Barcelona area] Juncà Piera J, et al. **Med Clin (Barc)** 1987 Apr 18;88(15):574–6 (Eng. Abstr.) **(Spa)**

[T-4, T-8 and NK lymphocyte subpopulations in patients with ankylosing spondylitis] Sánchez Bursón JM, et al. **Rev Clin Esp** 1987 Feb;180(2):74–6 (Eng. Abstr.) **(Spa)**

[Lymphocyte populations in patients with hepatitis caused by B virus: relation to other etiologies] Carreño García V, et al. **Rev Esp Enferm Apar Dig** 1986 Dec;70(6):493–6 (Eng. Abstr.) **(Spa)**

[Enzymes of purine metabolism in thymic subpopulations defined by lectins] Jiménez Herráez MC, et al. **Sangre (Barc)** 1986;31(5):545–9 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Mononuclear cell subpopulations in cerebrospinal fluid [letter] Polman CH, et al. **Acta Neurol Scand** 1986 Sep; 74(3):251–2

Mandibular relapse in acute leukemia. Report of a case. Bernstein ML, et al. **Am J Pediatr Hematol Oncol** 1986 Fall;8(3):240–4

Depletion of human lymphocytes from peripheral blood and

bone marrow by affinity ligands conjugated to agarose-polyacrolein microsphere beads. Weiss L, et al. **Appl Biochem Biotechnol** 1986 Oct;13(2):87–96

Murine T cell proliferation can be specifically augmented by macrophages fed with specific antigen: alpha-2-macroglobulin conjugate. Osada T, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):26–31

Human thymocyte differentiation: an ultrastructural study using monoclonal antibodies and immunogold staining method. Osculati F, et al. **Biomed Pharmacother** 1986; 40(7):253–60

Early T cell differentiated chronic myeloid leukemia blast crisis with rearrangement of the breakpoint cluster region but not of the T cell receptor beta chain genes. Gramatzki M, et al. **Blood** 1987 Apr;69(4):1082–6

Successful graft–versus–host disease prevention without graft failure in 32 HLA–identical allogeneic bone marrow transplantations with marrow depleted of T cells by monoclonal antibodies and complement. Hervé P, et al. **Blood** 1987 Feb;69(2):388–93

Non–Hodgkin's lymphoma containing both B and T cell clones. Hu E, et al. **Blood** 1987 Jul;70(1):287–92

S–100 beta positive human T lymphocytes: their characteristics and behavior under normal and pathologic conditions. Takahashi K, et al. **Blood** 1987 Jul;70(1):214–20

Different repopulation kinetics of erythroid (BFU–E), myeloid (CFU–GM) and T lymphocyte (TL–CFU) progenitor cells after autologous and allogeneic bone marrow transplantation. Vellenga E, et al. **Br J Haematol** 1987 Feb;65(2):137–42

Growth signal transduction: rapid activation of covalently bound ornithine decarboxylase during phosphatidylinositol breakdown. Mustelin T, et al. **Cell** 1987 Apr 24;49(2):171–6

Magnetic sorting of leukocytes. Owen CS. **Cell Biophys** 1986 Aug;8(4):287–95

Endogenous production of prothymocyte differentiating activity by phytohemagglutinin–stimulated T–cell–depleted human marrow. Ahmad M, et al. **Cell Immunol** 1986 Dec; 103(2):299–310

Human thymocyte maturation in vitro: a flow cytometric analysis. Blue ML, et al. **Cell Immunol** 1986 Apr 15; 99(1):14–23

Ontogeny of T cells: development of pre–T cells from fetal liver and yolk sac in the thymus microenvironment. Eren R, et al. **Cell Immunol** 1987 Aug;108(1):76–84

Enhancement of human T–lymphocyte growth by human transferrin in the presence of fetal bovine serum. Gaston JS, et al. **Cell Immunol** 1987 May;106(2):366–75

Progenitor cells in the thymus: most thymus–homing progenitor cells in the adult mouse thymus bear Pgp–1 glycoprotein but not interleukin–2 receptor on their cell surface. Hyman R, et al. **Cell Immunol** 1986 Sep; 101(2):320–7

Repopulation of spleens of irradiated mice after injection of spleen cell subpopulations. Girard R, et al. **Cell Tissue Kinet** 1987 Jan;20(1):77–87

Dissociation between onset of natural killer E–rosette forming cells and of T3–positive cells following HLA–mismatched T cell depleted bone marrow transplantation. De Villartay JP, et al. **Clin Exp Immunol** 1987 Feb;67(2):406–14

Relationship between IL–2 and human T cell colony formation. Mossalayi MD, et al. **Clin Exp Immunol** 1986 Dec;66(3):532–8

Molecular genetics of human B– and T–cell neoplasia. Croce CM, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:891–8

The human interleukin–2 receptor: role in normal T–cell growth and association with HTLV–I–induced T–cell leukemia. Greene WC, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:731–7

Cytochemical identification of lymphocytes and other mononuclear cells in ovine and bovine hemal nodes. Ceccarelli P, et al. **Comp Immunol Microbiol Infect Dis** 1986;9(4):297–302

Simultaneous increased expression of E–rosette receptor (CD2, T11) and T cell growth factor receptor on human T lymphocytes during activation. Redelman D. **Cytometry** 1987 Mar;8(2):170–83

Discrimination of viable and non–viable cells using propidium iodide in two color immunofluorescence. Sasaki DT, et al. **Cytometry** 1987 Jul;8(4):413–20

Immunological studies in homosexual men with and without antibodies to human T–cell lymphotropic virus type III. Pedersen C, et al. **Dan Med Bull** 1986 Oct;33(5):270–2

T–cell differentiation and maturation. Reichlin M. **Dermatol Clin** 1985 Oct;3(4):563–8

Autocrine growth and progression of murine X–ray–induced T cell lymphomas. Haas M, et al. **EMBO J** 1986 Aug; 5(8):1775–82

Recombinant interleukin 4/BSF–1 promotes growth and differentiation of intrathymic T cell precursors from fetal mice in vitro. Palacios R, et al. **EMBO J** 1987 Jan;6(1):91–5

Enhanced frequency of mitogen–responsive T cell precursors in old mice injected with thymosin alpha 1. Frasca D, et al. **Eur J Immunol** 1987 May;17(5):727–30

Nickel–specific T lymphocyte clones derived from allergic nickel–contact dermatitis lesions in man: heterogeneity based on requirement of dendritic antigen–presenting cell subsets. Kapsenberg ML, et al. **Eur J Immunol** 1987 Jun; 17(6):861–5

Phenotype of stromal cell–associated thymocytes in situ is compatible with selection of the T cell repertoire at an "immature" stage of thymic T cell differentiationKyewski BA, et al. **Eur J Immunol** 1987 Jul;17(7):961–7

Butyrate–synchronized cloned T cells retain their dependence on interleukin–2 for growth induction. A model system for growth regulation. Moebius U, et al. **Exp Cell Res** 1987 Apr;169(2):379–84

Influence of age on cellular differentiation: a T cell model. Makinodan T, et al. **Exp Gerontol** 1986;21(4–5):241–53

Cells of T–lymphocyte origin produce an erythropoietin–like growth factor. Fagg B, et al. **Exp Hematol** 1986 Dec; 14(11):1006–10

Clonal T–cell colony formation in agar culture: an attractive assay to test the T–cell depletion from bone marrow. Farcet JP, et al. **Exp Hematol** 1986 Dec;14(11):1011–4

Quantity and nature of residual bone marrow T cells after treatment of the marrow with Campath–1. Irlé C, et al. **Exp Hematol** 1987 Feb;15(2):163–70

Abnormal T–lymphocyte colonies (CFU–TL) following bone marrow transplantation. Mitsuyasu RT, et al. **Exp Hematol** 1986 Dec;14(11):1049–55

GTP dependence of the transduction of mitogenic signals through the T3 complex in T lymphocytes indicates the involvement of a G–protein. Mustelin T. **FEBS Lett** 1987 Mar 9;213(1):199–203

T lymphocyte content in blood components. D'Addosio AM, et al. **Haematologica (Pavia)** 1986 Sep–Oct;71(5):379–81

Simultaneous detection of B–cells and T–cells by a double immunohistochemical technique using immunogold–silver staining and the avidin–biotin–peroxidase complex method. Sako H, et al. **Histochemistry** 1986;86(1):1–4

An immunohistochemical analysis of human aortic fatty streaks. Munro JM, et al. **Hum Pathol** 1987 Apr; 18(4):375–80

Accessory cell dependent T lymphocyte proliferation: potent activity of dendritic cells. Goodell EM, et al. **Immunobiology** 1987 Jan;174(1):30–42

Relative cloning efficiencies and long–term propagation capacity for T cell clones of highly purified natural interleukin 2 compared to recombinant interleukin 2 in man. Pawelec G, et al. **Immunobiology** 1987 Jan;174(1):67–75

Human T cell clones as diagnostic tools and potential therapeutic reagents. Weyand C, et al. **Immunol Invest** 1986 Nov;15(7):591–624 (93 ref.)

Volume regulation of natural killer cells under hypotonic stress: comparison with T and B cell subpopulations. Rusthoven JJ, et al. **Immunol Lett** 1986 Oct;13(4):203–7

Differences in Ly 2– L3T4– thymocytes from foetal and adult murine thymus. Scollay R. **Immunol Lett** 1987 Jun; 15(2):171–7

Effect of growth factors on the proliferation of thymocytes in different functional and anatomical compartments. Sandberg G, et al. **Int Arch Allergy Appl Immunol** 1987; 82(3–4):490–2

The effect of nutritional support on T–lymphocyte subpopulations in protein calorie malnutrition. Abbott WC, et al. **J Am Coll Nutr** 1986;5(6):577–84

Deoxyadenosine triphosphate as a mediator of deoxyguanosine toxicity in cultured T lymphoblasts. Mann GJ, et al. **J Clin Invest** 1986 Nov;78(5):1261–9

T lymphocyte cloning from rejected human kidney allografts. Growth frequency and functional/phenotypic analysis. Moreau JF, et al. **J Clin Invest** 1986 Oct;78(4):874–9

Effects of human interleukin 1 and human tumor necrosis factor on human T lymphocyte colony formation. Zucali JR, et al. **J Clin Invest** 1987 Sep;80(3):772–7

Immunocompetent cells in the normal dental pulp. Jontell M, et al. **J Dent Res** 1987 Jun;66(6):1149–53

Cell growth cycle block of T cell hybridomas upon activation with antigen. Ashwell JD, et al. **J Exp Med** 1987 Jan 1; 165(1):173–94

Developmentally regulated expression of T cell receptor beta chain variable domains in immature thymocytes. Budd RC, et al. **J Exp Med** 1987 Aug 1;166(2):577–82

Seeding of thymic microenvironments defined by distinct thymocyte–stromal cell interactions is developmentally controlled. Kyewski BA. **J Exp Med** 1987 Aug 1; 166(2):520–38

Changes in the expression of potassium channels during mouse T cell development. McKinnon D, et al. **J Exp Med** 1986 Dec 1;164(6):1846–61

Molecular, cellular, and functional properties of bone marrow T lymphocyte progenitor clones. Palacios R, et al. **J Exp Med** 1987 Jul 1;166(1):12–32

Identification and isolation of a T4+T8+ cell with high T3 expression in human thymus: a possible late intermediate in thymocyte differentiation. Blue ML, et al. **J Immunol** 1987 Aug 15;139(4):1065–9

Expression and role of the T cell receptor in early thymocyte differentiation in vitro. Born W, et al. **J Immunol** 1987 Feb 15;138(4):999–1008

Superinduction of T lymphocyte–endothelial cell (EC) binding by treatment of EC with interleukin 1 and protein synthesis inhibitors. Cavender D, et al. **J Immunol** 1987 Apr 1;138(7):2149–54

Stimulation of endothelial cell binding of lymphocytes by tumor necrosis factor. Cavender D, et al. **J Immunol** 1987 Sep 15;139(6):1855–60

Interleukin 2–activated human killer cells are derived from phenotypically heterogeneous precursors. Damle NK, et al. **J Immunol** 1986 Nov 1;137(9):2814–22

Regulation of murine T cell proliferation by B cell stimulatory factor–1. Grabstein KH, et al. **J Immunol** 1987 Aug 15;139(4):1148–53

T lymphocyte adhesion to endothelial cells: mechanisms demonstrated by anti–LFA–1 monoclonal antibodies. Haskard D, et al. **J Immunol** 1986 Nov 1;137(9):2901–6

Cell kinetics in the fetal mouse thymus: precursor cell input, proliferation, and emigration. Jotereau F, et al. **J Immunol** 1987 Feb 15;138(4):1026–30

Limiting dilution analysis of the stem cells for T cell lineage. Katsura Y, et al. **J Immunol** 1986 Oct 15;137(8):2434–9

Activation of T cell antigen receptor alpha– and beta–chain genes in the thymus: implications for the lineages of developing cortical thymocytes. Kinnon C, et al. **J Immunol** 1986 Dec 15;137(12):4010–5

Evidence for negative regulation of T cell growth by low affinity interleukin 2 receptors. Kumar A, et al. **J Immunol** 1987 Mar 1;138(5):1485–93

T cell surface markers expression by immature human thymocytes in in vitro culture: role of Ia+ accessory cells. Larocca LM, et al. **J Immunol** 1987 Apr 15;138(8):2410–6

In vivo thymocyte maturation. BUdR labeling of cycling thymocytes and phenotypic analysis of their progeny support the single lineage model. Penit C. **J Immunol** 1986 Oct 1;137(7):2115–21

Human T cell gamma chain joining regions and T cell development. Quertermous T, et al. **J Immunol** 1987 Apr 15;138(8):2687–90

Recombinant interleukin 4 promotes the growth of human T cells. Spits H, et al. **J Immunol** 1987 Aug 15; 139(4):1142–7

T cell receptor–CD3 complex during early T cell differentiation. Analysis of immature T cell acute lymphoblastic leukemias (T–ALL) at DNA, RNA, and cell membrane level. van Dongen JJ, et al. **J Immunol** 1987 Feb 15;138(4):1260–9

Simultaneous immunoenzyme double labelling using two different enzymes linked directly to monoclonal antibodies or with biotin–avidin. Boorsma DM, et al. **J Microsc** 1986 Aug;143 (Pt 2):197–203

Magnetic resonance imaging of gadolinium–labeled monoclonal antibody polymers directed at human T lymphocytes implanted in canine brain. Kornguth SE, et al. **J Neurosurg** 1987 Jun;66(6):898–906

Response of T–cell–deficient mice to ozone exposure. Dziedzic D, et al. **J Toxicol Environ Health** 1987; 21(1–2):57–71

Clonal T cell population in angioimmunoblastic lymphadenopathy and related lesions. Suzuki H, et al. **Jpn J Cancer Res** 1987 Jul;78(7):712–20

Effects of T cell growth factor/interleukin II on prothymocytes. Hadden JW, et al. **Lymphokine Res** 1986; 5 Suppl 1:S49–54

Quantitative cytotoxic assay using a Coulter counter. Nagai Y, et al. **Methods Enzymol** 1986;132:481–90

Problems and pitfalls in assessing human T–lymphocyte mutant frequencies. Featherstone T, et al. **Mutat Res** 1987 Aug;179(2):215–30

T–lymphocyte colony formation by lymphocytes from patients with aplastic anaemia. Ennis KT, et al. **Nat Immun Cell Growth Regul** 1987;6(1):45–55

Spontaneous growth of colonies with mature T lineage phenotype from T–cell–depleted bone marrow precursors in a patient with a lymphoproliferative disorder of the large granular lymphocytes. Pistoia V, et al. **Nat Immun Cell Growth Regul** 1987;6(1):37–44

A new T–cell receptor gene located within the alpha locus and expressed early in T–cell differentiation. Chien YH, et al. **Nature** 1987 Jun 25–Jul 1;327(6124):677–82 (60 ref.)

A c–myc antisense oligodeoxynucleotide inhibits entry into S phase but not progress from G0 to G1. Heikkila R, et al. **Nature** 1987 Jul 30–Aug 5;328(6129):445–9

CD4+ murine T cells develop from CD8+ precursors in vivo. Smith L. **Nature** 1987 Apr 23–29;326(6115):798–800

Relevance of monoclonal antibody phenotyping and of genetic studies in the classification of T–cell leukemia/lymphoma. Pandolfi F, et al. **Onkologie** 1987 Jun; 10(3):134–6

Life span of lymphocytes in thymectomized rats. Granata AL, et al. **Pathologica** 1986 Sep–Oct;78(1057):573–7

T–cell receptor genes in autoimmune mice: T–cell subsets have unexpected T–cell receptor gene programs. Hashimoto Y, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(16):5883–7

Selective killing of T lymphocytes by phototoxic liposomes. Yemul S, et al. **Proc Natl Acad Sci USA** 1987 Jan; 84(1):246–50

Generation and functional characterization of Eimeria tenella immune chicken T–cell clones. Bhogal BS, et al. **Prog Clin Biol Res** 1987;238:127–44

Both the precursors and the effectors of human lymphokine–activated killer (LAK) cells may belong to T lymphocytes. Mingari MC, et al. **Ric Clin Lab** 1986 Jul–Sep;16(3):437–41

Differentiation changes in cord blood T lymphocytes induced by synthetic C–terminal peptides of thymosin alpha 1. Ho AD, et al. **Thymus** 1987;9(2):77–84

Development of Thy 1 positive rat thymocytes: analysis of fetal and neonatal thymocytes by flow microfluorometry. Itoh T, et al. **Thymus** 1987;9(1):13–23

Implantation of thymic epithelial grafts into the anterior chamber of the murine eye: an experimental model for analyzing T–cell ontogeny. Wiedmeier SE, et al.

Thymus 1987;9(1):25–44

Two-stage separation of immature and mature T lymphocytes from myeloerythroid clonogenic bone marrow cells by apheresis and elutriation centrifugation. Zucali JR, et al. **Transfusion** 1987 Mar–Apr;27(2):148–54

Cytogenetic evidence of partial chimerism after T cell–depleted allogeneic bone marrow transplantation in leukemic HLA–matched patients. Berthéas MF, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2738–40

Inhibition of T cell colony formation by histamine: blockage of histamine inhibition by cimetidine. Elfenbein GJ, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):290–5

T cell depletion of HLA and haploidentical marrow reduces graft–versus–host disease but it may impair a graft–versus–leukemia effect. Henslee PJ, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2701–6

Human renal allograft–derived T cell lines. McKenna R, et al. **Transplant Proc** 1987 Aug;19(4):3391–3

Immunohistological analysis of the lymphoid infiltrate in cutaneous malignant melanomas. Ralfkiaer E, et al. **Virchows Arch [A]** 1987;410(4):355–61

Spatial distribution of Langerhans' cells and T–lymphocyte subpopulations in human tympanic membrane and aural cholesteatoma. van Dijk CM, et al. **Virchows Arch [B]** 1986; 52(2):143–52

Density distribution of hematopoietic progenitor cells and T lymphocytes from peripheral blood: heterogeneity of the human population. Dooley DC, et al. **Vox Sang** 1987; 52(1–2):45–52

The prothymocyte and commitment to T–cell differentiation. Silverstone AE. **Year Immunol** 1985;:80–5 (48 ref.)

[Human T lymphocyte clones: a new approach for studying relations between the major histocompatibility complex and pathology] Levy JP, et al. **Pathol Biol (Paris)** 1986 Jun; 34(6):809–11 (Eng. Abstr.) **(Fre)**

[T–cell clones and monoclonal antibodies] Roellinger B. **DTW** 1987 Apr 8;94(4):222–3 (Eng. Abstr.) **(Ger)**

[Heterogenicity of T–cell cutaneous lymphomas: pleomorphic lymphoma of intermediate phenotype between the thymic and post–thymic stages. Study of 2 cases] Bernengo MG, et al. **G Ital Dermatol Venereol** 1987 Apr;122(4):157–66 (Eng. Abstr.) **(Ita)**

[Embryogenesis of the human pharyngeal tonsil] Khlystova ZS, et al. **Arkh Anat Gistol Embriol** 1987 Jun;92(6):32–5 (Eng. Abstr.) **(Rus)**

[The role of the thymus medulla of newborn rats in lymphocytopoiesis] Voloshin NA, et al. **Arkh Anat Gistol Embriol** 1987 Apr;92(4):70–3 (Eng. Abstr.) **(Rus)**

[Migration of T–lymphocyte precursors into the thymus and the factors affecting this process] Iarilin AA, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):447–9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Ethanol induced nucleotide catabolism in mouse T lymphoblastoid cells in vitro. Barankiewicz J, et al. **Adv Exp Med Biol** 1986;195 Pt B:227–30

Enhancement of T cell proliferation and differentiation by 8–mercaptoguanosine. Goodman MG, et al. **Adv Exp Med Biol** 1986;195 Pt B:443–9

Mechanisms of deoxyguanosine toxicity for human T and B lymphocytes. Scharenberg JG, et al. **Adv Exp Med Biol** 1986;195 Pt B:191–9

New insight into dexamethasone activity in lymphoblast transformation of mouse thymocytes. Bertin B, et al. **Agents Actions** 1986 Dec;19(5–6):346–8

Immunosuppressive actions of prostaglandins and the possible increase in chronic inflammation after cyclo–oxygenase inhibitors. Lewis GP, et al. **Agents Actions** 1986 Oct; 19(1–2):59–65

Functional properties of lectin–induced thermostable SE rosette (TSER)–forming cells derived from human peripheral blood. Jahn S, et al. **Allerg Immunol (Leipz)** 1987; 33(1):21–6

Effect of recombinant interleukin–2 on peripheral blood mononuclear cells following antigen–specific bronchial provocation. Jira M, et al. **Allergol Immunopathol (Madr)** 1987 Mar–Apr;15(2):69–72

Inhibition of T cell–dependent antibody production by D–penicillamine. Different requirements for Cu2+ in suppression of polyclonal and antigen–specific B cell responses [published erratum appears in Allergy 1987 Apr;42(3):240] Petersen J. **Allergy** 1987 Jan;42(1):37–45

The effect of IFN–gamma and alpha on Con–A stimulated T–cell proliferation: role of monocytes. Haq AU. **Am J Med Sci** 1986 Dec;292(6):350–5

T–lymphocyte analysis in cardiac allograft recipients treated with cyclosporine. Kawaguchi A, et al. **Ann Thorac Surg** 1986 Nov;42(5):517–22

Trichothecene mycotoxins in aerosolized conidia of Stachybotrys atra. Sorenson WG, et al. **Appl Environ Microbiol** 1987 Jun;53(6):1370–5

Correlation of clinical and immunologic states in multiple sclerosis. Mickey MR, et al. **Arch Neurol** 1987 Apr; 44(4):371–5

Inhibition of early events in the human T–lymphocyte response to mitogens and alloantigens by hydrogen peroxide. Freed BM, et al. **Arch Surg** 1987 Jan; 122(1):99–104

Effects of diethyl maleate on non–protein sulfhydryl content and cellular functions of mouse thymocytes in vitro. Hennighausen G. **Arch Toxicol [Suppl]** 1986;9:297–301

The protein kinase C inhibitor H–7, inhibits antigen and IL–2–induced proliferation of murine T cell lines. Clark RB, et al. **Biochem Biophys Res Commun** 1987 Jun 15; 145(2):666–72

Receptor–mediated photo–cytotoxicity: synthesis of a photoactivatable psoralen derivative conjugated to insulin. Gasparro FP, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):502–9

Phorbol ester causes short term and transient accumulation of pteridines in T cells and in cell lines. Seidl J, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):494–501

Lymphotoxic activity of methyl prednisolone in vitro—I. Comparative toxicity of methyl prednisolone in human cell lines of B and T origin. Millar BC, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):831–7

Theophylline–sensitive T–lymphocyte subpopulation in schizophrenic patients. Bessler H, et al. **Biol Psychiatry** 1987 Aug;22(8):1025–8

Diphenylhydantoin (DPH) blocks HIV–receptor on T–lymphocyte surface. Zimmer JP, et al. **Blut** 1986 Dec; 53(6):447–50

The effect of adjuvant cyclophosphamide or tamoxifen on the numbers of lymphocytes bearing T cell or NK cell markers. Sheard CR, et al. **Br J Cancer** 1986 Oct; 54(4):705–9

Biochemical consequences of 2'–deoxycoformycin treatment in a patient with T–cell lymphoma. Some unusual findings. de Korte D, et al. **Cancer** 1987 Aug 15;60(4):750–5

Cytotoxicity of floxuridine and 5–fluorouracil in human T–lymphoblast leukemia cells: enhancement by leucovorin. Mini E, et al. **Cancer Treat Rep** 1987 Apr;71(4):381–9

Leukotriene B4 causes proliferation of interleukin 2–dependent T cells in the presence of suboptimal levels of interleukin 2. Atluru D, et al. **Cell Immunol** 1986 May; 99(2):444–52

Histamine inhibits interferon–gamma production via suppression of interleukin 2 synthesis. Dohlsten M, et al. **Cell Immunol** 1986 Sep;101(2):493–501

Treatment of resting T lymphocytes with interferon–alpha/beta augments their proliferative response to activation signals delivered through their surface Ly–6 antigen. Dumont FJ. **Cell Immunol** 1986 Sep;101(2):625–32

Phorbol myristate acetate–induced proliferation of an IL–2–dependent T–cell line: action of PMA is independent of IL–2 and cannot be mimicked by diacylglycerols. Kamber M. **Cell Immunol** 1986 Oct 1;102(1):177–86

A novel mechanism of immunosuppression mediated by ethanol. Kaplan DR. **Cell Immunol** 1986 Oct 1;102(1):1–9

Evaluation of ricin A–chain immunotoxins directed against human T cells. Press OW, et al. **Cell Immunol** 1986 Oct 1;102(1):10–20

Reduced prostaglandin E2 (PGE2) receptors on atopic T lymphocytes. Rocklin RE, et al. **Cell Immunol** 1986 Apr 15;99(1):294–9

Induction of T–cell proliferation and enhancement of NK activity by supernatants from Con A–stimulated human peripheral blood mononuclear cells: a new lymphokine. Rosioniec EF Jr, et al. **Cell Immunol** 1986 Apr 15; 99(1):170–81

Interleukin 1 and protein kinase C activator are dissimilar in their effects on Il–2 receptor expression and Il–2 secretion by T lymphocytes. Truneh A, et al. **Cell Immunol** 1986 Dec;103(2):365–74

Augmentation of interleukin–2 release by cytochalasins. Valentine MA, et al. **Cell Immunol** 1986 Sep;101(2):651–8

The influence of dexamethasone treatment on the lymphoid and stromal composition of the mouse thymus: a flowcytometric and immunohistological analysis. van Vliet E, et al. **Cell Immunol** 1986 Dec;103(2):229–40

Prostaglandin E2 inhibits human T–cell proliferation after crosslinking of the CD3–Ti complex by directly affecting T cells at an early step of the activation process. Vercammen C, et al. **Cell Immunol** 1987 Jan;104(1):24–36

Dipyridamol inhibits activation of human T lymphocytes in vitro. Bruserud O. **Clin Immunol Immunopathol** 1987 Jan; 42(1):102–9

Differences in sensitivity to melphalan between con A–activated and nonactivated human T–cell subsets. Komlos L, et al. **Clin Immunol Immunopathol** 1987 Oct; 45(1):105–13

Immune modulation by danazol in autoimmune thrombocytopenia. Mylvaganam R, et al. **Clin Immunol Immunopathol** 1987 Mar;42(3):281–7

Single–dose response kinetics of cyclosporine. Bozkurt F, et al. **Clin Nephrol** 1987 Jul;28(1):10–4

Prostaglandin modulation of the postnatal development of T and B lymphocytes in the spleens of newborn mice. Shibuya T, et al. **Dev Comp Immunol** 1986 Summer; 10(3):419–28

The in vitro effect of a thymic polypeptidic extract on the function of T–cells and macrophages. Boeru V, et al. **Endocrinologie** 1987 Apr–Jun;25(2):83–9

T–cell activation in pulmonary lymph nodes of mice exposed to ozone. Dziedzic D, et al. **Environ Res** 1986 Dec; 41(2):610–22

"In vivo" activated splenic T cells are refractory to interleukin 2 growth "in vitro"Bandeira A, et al. **Eur J Immunol** 1987 Jul;17(7):901–8

HgCl2 induces nonspecific immunosuppression in Lewis rats. Pelletier L, et al. **Eur J Immunol** 1987 Jan;17(1):49–54

Comparison of the effects of 1,25–dihydroxyvitamin D3 on T lymphocyte subpopulations. Rigby WF, et al. **Eur J Immunol** 1987 Apr;17(4):563–6

Interleukin 4 (IgG1 induction factor): a multifunctional lymphokine acting also on T cells. Severinson E, et al. **Eur J Immunol** 1987 Jan;17(1):67–72

Comparisons of 12–tetradecanoylphorbol–13–acetate (TPA) and PHA as mitogens in the T–lymphocyte colony assay. Winkelstein A, et al. **Exp Hematol** 1986 Dec;14(11):1023–8

Cell membrane changes induced by lonidamine in human erythrocytes and T lymphocytes, and Ehrlich ascites tumor cells. De Martino C, et al. **Exp Mol Pathol** 1987 Feb; 46(1):15–30

In vitro effects of adenosine induced supernatants on human T lymphocyte functions. Pardi R, et al. **Haematologica (Pavia)** 1987 May–Jun;72(3):215–20

Enzymatic and morphological response of the thymus to drugs in normal and zinc–deficient pregnant rats and their fetuses. Gossrau R, et al. **Histochemistry** 1987;86(3):321–9

What is a T–cell clone? Effect of rIFN on T–cell clone function and T–cell receptor gene rearrangement. Chen LK, et al. **Hum Immunol** 1986 Nov;17(3):214–23

Effect of an inhibitor of DNA methylation on T cells. II. 5–Azacytidine induces self–reactivity in antigen–specific T4+ cells. Richardson B. **Hum Immunol** 1986 Dec; 17(4):456–70

Heavy–metal mitogenesis: thymocyte activation by Zn++ requires 2–mercaptoethanol and lipopolysaccharide as cofactors. Reardon CL, et al. **Immunobiology** 1987 Mar; 174(2):233–43

Effect of alpha–fetoprotein on arachidonic acid metabolism in a human T–cell line. Aussel C, et al. **Immunol Lett** 1987 Jan;14(2):133–7

Functional analysis of T–cell subsets in chronic experimental alcoholism. Bagasra O, et al. **Immunology** 1987 May; 61(1):63–9

Effect of cyclosporin A on the T–effector and T–suppressor cell response in contact sensitivity. Braida M, et al. **Immunology** 1986 Dec;59(4):503–7

Cyclophosphamide–induced eosinophilia in the rat: concomitant changes in T–cell subsets, B cells and large granular lymphocytes within lymphoid tissues. Thomson AW, et al. **Immunology** 1987 Mar;60(3):383–8

Potentiation of release of interleukin–2 by bleomycin. Abdul Hamied TA, et al. **Immunopharmacology** 1986 Oct; 12(2):127–34

The effect of alpha–difluoromethylornithine, an inhibitor of polyamine biosynthesis, on mitogen–induced interleukin 2 production. Bowlin TL, et al. **Immunopharmacology** 1987 Apr;13(2):143–7

Primary cellular target responsible for dimethylnitrosamine–induced immunosuppression in the mouse. Johnson KW, et al. **Immunopharmacology** 1987 Feb; 13(1):47–60

Modulation of T cells by cyclic AMP in murine influenza virus infection. I. In vitro inhibition of cytotoxic T lymphocytes by exogenous cyclic AMP analogues and by agents which increase intracellular cyclic AMP concentrations. Zhang YH, et al. **Immunopharmacology** 1987 Feb;13(1):37–45

Immunological effects of ciclosporin in primary biliary cirrhosis: suppression of activated T cells and autoantibody levels. Karlsson–Parra A, et al. **Int Arch Allergy Appl Immunol** 1987;83(3):256–64

Effect of schistosome–derived inhibitory factor on the cell cycle of T lymphocytes. Mazingue C, et al. **Int Arch Allergy Appl Immunol** 1987;83(1):12–8

Some aspects of "deep lung" cellular immunity in chronic bronchitis before and after therapy with tiopronin. Fraschini F, et al. **Int J Clin Pharmacol Res** 1987; 7(2):129–33

Effects of captopril on circulating T lymphocyte subsets. Smart YC, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Jul;25(7):389–91

The immunosuppressive effect of acute doses of emetine on murine thymic cells. Antoni F, et al. **Int J Immunopharmacol** 1987;9(3):333–40

Isoprinosine restores in vitro T lymphocyte functions of cyclophosphamide immunosuppressed mice. Barasoain I, et al. **Int J Immunopharmacol** 1987;9(4):489–96

Immunoreconstitution of T–cell impairments in asymptomatic male homosexuals by thymic humoral factor (THF). Handzel ZT, et al. **Int J Immunopharmacol** 1987; 9(2):165–73

The immunosuppressive potency in vitro of physiological and synthetic steroids on lymphocyte cultures. Langhoff E, et al. **Int J Immunopharmacol** 1987;9(4):469–73

Mechanism of action of the new immunomodulator LS2616 on T cell responses. Larsson EL, et al. **Int J Immunopharmacol** 1987;9(4):425–31

In vitro effects of sodium diethyldithiocarbamate (Imuthiol) on human T lymphocytes. Mossalayi MD, et al. **Int J Immunopharmacol** 1986;8(8):841–4

Effects of a new heterocyclic glucocorticoid, deflazacort (DFC), on the functions of lymphocytes from patients with rheumatoid arthritis (RA). Scudeletti M, et al. **Int J Immunopharmacol** 1987;9(2):133–9

The effect of low doses of prednisolone on T–cell subsets in rheumatoid arthritis. Verbruggen G, et al. **Int J Immunopharmacol** 1987;9(1):61–7

T cell reactivity to penicillin: phenotypic analysis of in vitro activated cell subsets. Koponen M, et al. **J Allergy Clin Immunol** 1986 Oct;78(4 Pt 1):645–52

Cyclosporine: prototype of a T-cell selective immunosuppressant. White JV. **J Am Vet Med Assoc** 1986 Sep 1;189(5):566–70

Transmembrane signaling during interleukin 1–dependent T cell activation. Interactions of signal 1– and signal 2–type mediators with the phosphoinositide–dependent signal transduction mechanism. Abraham RT, et al. **J Biol Chem** 1987 Feb 25;262(6):2719–28

Inhibition of T–lymphocyte activation by amiloride. Baliga BS, et al. **J Cell Biochem** 1987 Mar;33(3):151–60

Regulation of lymphokine production and human T lymphocyte activation by 1,25–dihydroxyvitamin D3. Specific inhibition at the level of messenger RNA. Rigby WF, et al. **J Clin Invest** 1987 Jun;79(6):1659–64

Sensitization of T lymphocytes to thyroid antigen in autoimmune thyroid disease as demonstrated by the monocyte procoagulant activity test. Iitaka M, et al. **J Endocrinol Invest** 1986 Dec;9(6):471–8

Comparison of the effect of cadmium on lymphocytes of young and adult mice. Fujimaki H. **J Environ Pathol Toxicol Oncol** 1987 Mar–Apr;7(4):39–45

B cell stimulatory factor 1 (interleukin 4) is a potent costimulant for normal resting T lymphocytes. Hu–Li J, et al. **J Exp Med** 1987 Jan 1;165(1):157–72

Direct activation of human resting T cells by IL 2: the role of an IL 2 receptor distinct from the Tac protein. Bich–Thuy LT, et al. **J Immunol** 1987 Sep 1;139(5):1550–6

Alpha melanocyte stimulating hormone inhibits immunostimulatory and inflammatory actions of interleukin 1. Cannon JG, et al. **J Immunol** 1986 Oct 1;137(7):2232–6

Stimulation of mouse lymphocytes by a mitogen derived from Mycoplasma arthritidis. VI. Detection of a non–MHC gene(s) in the E alpha–bearing RIIIS mouse strain that is associated with a specific lack of T cell responses to the M. arthritidis soluble mitogen. Cole BC, et al. **J Immunol** 1987 Aug 1;139(3):927–35

Interleukin 2 induction of interferon–gamma mRNA synthesis. Farrar WL, et al. **J Immunol** 1986 Dec 15; 137(12):3836–40

Interleukin 1 modulates messenger RNA levels of lymphokines and of other molecules associated with T cell activation in the T cell lymphoma LBRM33–1A5. Hagiwara H, et al. **J Immunol** 1987 Apr 15;138(8):2514–9

Interleukin 1–mediated activation of interleukin 4 (IL 4)–producing T lymphocytes. Proliferation by IL 4–dependent and IL 4–independent mechanisms. Ho SN, et al. **J Immunol** 1987 Sep 1;139(5):1532–40

Human T lymphocyte activation by tumor promoters: role of protein kinase C. Isakov N, et al. **J Immunol** 1987 May 15;138(10):3100–7

PMA alone induces proliferation of some murine T cell clones but not others. Kim DK, et al. **J Immunol** 1986 Nov 1;137(9):2755–60

Requirements for the simultaneous presence of phorbol esters and calcium ionophores in the expression of human T lymphocyte proliferation–related genes. Kumagai N, et al. **J Immunol** 1987 Sep 1;139(5):1393–9

Induction of proliferation in vitro of resting human natural killer cells: IL 2 induces into cell cycle most peripheral blood NK cells, but only a minor subset of low density T cells. London L, et al. **J Immunol** 1986 Dec 15; 137(12):3845–54

Studies on the mechanism of T cell inhibition by the Pseudomonas aeruginosa phenazine pigment pyocyanine. Nutman J, et al. **J Immunol** 1987 May 15;138(10):3481–7

Corticosteroid therapy suppresses spontaneous interleukin 2 release and spontaneous proliferation of lung T lymphocytes of patients with active pulmonary sarcoidosis. Pinkston P, et al. **J Immunol** 1987 Aug 1;139(3):755–60

Generation of lymphokine–activated killer cell activity from human thymocytes. Ramsdell FJ, et al. **J Immunol** 1987 Sep 1;139(5):1446–53

Novel immunosuppressive agent, FK506. In vitro effects on the cloned T cell activation. Sawada S, et al. **J Immunol** 1987 Sep 15;139(6):1797–803

The antigenic and mitogenic response of murine T and B lymphocytes to soluble proteins of Listeria monocytogenes. Wentworth PA, et al. **J Immunol** 1987 Apr 15; 138(8):2671–8

Granulocyte–macrophage colony stimulating factor produced by cloned L3T4a+, class II–restricted T cells induces HT–2 cells to proliferate. Woods A, et al. **J Immunol** 1987 Jun 15;138(12):4293–7

Partial characterization of a mitomycin–C resistant T cell. Anderson RE, et al. **J Leukocyte Biol** 1987 Jan;41(1):33–9

Solubilized dental plaque is mitogenic for nylon wool–purified human cord blood T lymphocytes. Baker JJ, et al. **J Periodont Res** 1987 Mar;22(2):94–102

Killer–helper effect of L cells in the generation of anti–MM cytotoxic T lymphocytes: replacement by beta–interferon and mechanisms of action. Ishikawa S, et al. **Jpn J Cancer Res** 1986 Sep;77(9):931–40

Restoration of impaired T cell functions in tumor–bearing mice by the administration of interleukin 1. Yamashita U, et al. **Jpn J Cancer Res** 1987 Mar;78(3):270–8

Interleukin–2 versus phorbol–ester–induced cellular events in normal T–lymphocytes. Friedrich B, et al. **Med Oncol Tumor Pharmacother** 1986;3(3–4):237–46

Cellular immunity in experimental fungus infections in mice: the influence of infections and treatment with a Candida toxin on spleen lymphoid cells. Iwata K, et al. **Mykosen [Suppl]** 1978;1:72–81

Long–term inhibition of human T–lymphotropic virus type III/lymphadenopathy–associated virus (human immunodeficiency virus) DNA synthesis and RNA expression in T cells protected by 2',3'–dideoxynucleosides in vitro. Mitsuya H, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):2033–7

A soluble 61–kDa protein is associated with inhibition of lectin–induced proliferation and IL–2 synthesis. Davila DR, et al. **Proc Soc Exp Biol Med** 1987 Oct;186(1):1–12

Reactive oxygen species selectively deplete normal T lymphocytes via a hydroxyl radical dependent mechanism. Allan IM, et al. **Scand J Immunol** 1987 Jul;26(1):47–53

1,25–Dihydroxyvitamin D3 (calcitriol) suppresses IL–2 induced murine thymocyte proliferation. Haq AU. **Thymus** 1986;8(5):295–306

Mechanisms of 1,2,3,4,6,7,8–heptachlorodibenzo–p–dioxin (HpCDD)–induced humoral immune suppression: evidence of primary defect in T–cell regulation [published erratum appears in Toxicol Appl Pharmacol 1987 Jan;89(1):148] Kerkvliet NI, et al. **Toxicol Appl Pharmacol** 1987 Jan; 87(1):18–31

Effects of O,S,S–trimethyl phosphorodithioate on immune function. Rodgers KE, et al. **Toxicology** 1987 Feb; 43(2):201–16

The effects of nickel on immune function in the rat. Smialowicz RJ, et al. **Toxicology** 1987 Jun;44(3):271–81

Effect of immunosuppressives on gamma–interferon production, lymphocyte proliferation, and cytotoxic function of activated T lymphocytes. Bishop GA, et al. **Transplant Proc** 1987 Apr;19(2):2866–8

Cyclosporine metabolites suppress T cell proliferation induced by concanavalin A. Dindzans VJ, et al. **Transplant Proc** 1987 Aug;19(4):3490–3

Effect of cyclosporine A on early stages of T cell activation. Isakov N, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1186–8

Differential effects of cyclosporine and azathioprine on host cell populations in renal allograft recipients. Pullis CK, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1596–9

T lymphocytes from hemophiliacs proliferate after exposure to factor VIII product. Matheson DS, et al. **Vox Sang** 1986; 51(2):92–5

Abnormal cellular and humoral immunity in childhood acute lymphoblastic leukemia in long–term remission. Katz J, et al. **West J Med** 1987 Feb;146(2):179–87

Developments concerning the biochemical and molecular basis of IL–2 mediated T cell growth. Farrar WL, et al. **Year Immunol** 1986;2:90–6 (40 ref.)

[Effect of transferrin on the formation of active T–rosettes in healthy persons and in patients with autoimmune diseases] Maneva A, et al. **Eksp Med Morfol** 1987; 26(1):17–23 (Eng. Abstr.) **(Bul)**

[Effect of rifampin, isoniazid and streptomycin on E receptors of T cells] Du BY, et al. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Dec;9(6):348–9, 382 (Eng. Abstr.) **(Chi)**

[Changes in lymphocyte subpopulations in relation to anesthesia procedure] Käbisch S, et al. **Anasth Intensivther Notfallmed** 1986 Dec;21(6):327–32 (Eng. Abstr.) **(Ger)**

[T lymphocyte activation and its inhibition by cyclosporin A] Ryffel B. **Schweiz Rundsch Med Prax** 1987 May 26; 76(22):615–6 **(Ger)**

[Modification of in vitro immune mechanisms by various glucocorticosteroid preparations—studies of lymphocytes in healthy probands and autoimmune patients] Jahn S, et al. **Z Gesamte Inn Med** 1987 Mar 15;42(6):160–3 (Eng. Abstr.) **(Ger)**

[In vitro sensitivity of T lymphocytes to theophylline in healthy adults and patients following cadaver kidney allotransplantation] Kaden J, et al. **Z Urol Nephrol** 1986 Nov;79(11):671–7 (Eng. Abstr.) **(Ger)**

[The cellular immune system. Possible adverse effects of drugs] Bruserud O. **Tidsskr Nor Laegeforen** 1986 Aug 30; 106(24):1939–40, 1951 (Eng. Abstr.) **(Nor)**

[Cyclosporin A. Inhibitory effect on T lymphocytes] Jørgensen PF, et al. **Tidsskr Nor Laegeforen** 1986 Aug 30; 106(24):1941–2 (Eng. Abstr.) **(Nor)**

[Changes in the functional activity and kinetics of macrophages and lymphocytes as affected by retinoic acid] Nozdrin VI, et al. **Biull Eksp Biol Med** 1987 Jun; 103(6):705–7 (Eng. Abstr.) **(Rus)**

[Assessment of the effect of prospidin and cyclophosphane on the indices of the T and B immune responses in vitro] Benenson EB, et al. **Farmakol Toksikol** 1987 Mar–Apr; 50(2):54–6 (Eng. Abstr.) **(Rus)**

[Effect of T–cell mitogens and T–lymphocyte deficiency on splenic colony formation] Semina OV, et al. **Tsitologiia** 1986 Oct;28(10):1107–12 (Eng. Abstr.) **(Rus)**

[Effect of levamisole on T– and B–lymphocyte counts in viral hepatitis B] Vozianova ZhI, et al. **Vrach Delo** 1986 Nov;(11):112–4 (Eng. Abstr.) **(Rus)**

[Effect of staphylococcal toxin on lymphocyte receptors and function] Novikov DK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Apr;(4):63–6 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Cytochemistry of N–acetyl–beta–glucosaminidase in normal and leukemic T cells. Invernizzi R, et al. **Acta Haematol (Basel)** 1987;77(1):6–10

Expression of dipeptidylaminopeptidase–IV in some human T and B cell lines. Srivastava MD, et al. **Acta Haematol (Basel)** 1986;76(1):25–8

Cell surface adenosine deaminase (ADA) and its complexing protein (ADCP) in human T–lymphoid cells. Dinjens WN, et al. **Adv Exp Med Biol** 1986;195 Pt B:407–14

Inhibitor of 2', 5'–oligoadenylate synthetase induced in human T lymphoblastoid cell line treated with deoxyadenosine, deoxycoformycin and interferon. Heike T, et al. **Adv Exp Med Biol** 1986;195 Pt B:683–7

Inhibition of adenylate cyclase by IL 2 in human T lymphocytes is mediated by protein kinase C. Beckner SK, et al. **Biochem Biophys Res Commun** 1987 May 29; 145(1):176–82

Identification of the human T–lymphocyte protein–tyrosine kinase by peptide–specific antibodies. Trevillyan JM, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):392–8

Expression of UDP–N–acetylgalactosamine: beta–galactose beta 1,4–N–acetylgalactosaminyltransferase in functionally defined T–cell clones. Conzelmann A, et al. **Biochem J** 1987 Mar 15;242(3):817–24

Human T lymphocytes express a protein–tyrosine kinase homologous to p56LSTRA. Trevillyan JM, et al. **Biochim Biophys Acta** 1986 Oct 10;888(3):286–95

Dipeptidyl peptidase IV in human T lymphocytes. An approach to the role of a membrane peptidase in the immune system. Schön E, et al. **Biomed Biochim Acta** 1986; 45(11–12):1523–8

O6–methylguanine–DNA methyltransferase activity and sensitivity to N–methyl–N'–nitro–nitrosoguanidine during human T–lymphocyte differentiation. Cohen A, et al. **Carcinogenesis** 1986 Nov;7(11):1877–9

Protein kinase C–activating phorbol esters augment expression of T cell receptor genes. Noonan DJ, et al. **Eur J Immunol** 1987 Jun;17(6):803–7

A specific serine proteinase is inducible in Lyt–2+,L3T4– and Lyt–2–,L3T4+ T cells in vitro but is mainly associated with Lyt–2+,L3T4– effector cells in vivo. Simon MM, et al. **Eur J Immunol** 1986 Dec;16(12):1559–68

Altered protein kinase activities of lymphoid cells transformed by Abelson and Moloney leukemia viruses. Brunati AM, et al. **FEBS Lett** 1986 Sep 29;206(1):59–63

Partial purification and characterization of membrane–bound and cytosolic phosphatidylinositol–specific phospholipases C from murine thymocytes. Wang P, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):1015–22

Sites of in vivo phosphorylation of the T cell tyrosine protein kinase in LSTRA cells and their alteration by tumor–promoting phorbol esters. Casnellie JE. **J Biol Chem** 1987 Jul 15;262(20):9859–64

Identification of a glucocorticoid–induced nuclease in thymocytes. A potential "lysis gene" product.Compton MM, et al. **J Biol Chem** 1987 Jun 15;262(17):8288–92

Soluble antigen induces T lymphocytes to secrete an endoglycosidase that degrades the heparan sulfate moiety of subendothelial extracellular matrix. Fridman R, et al. **J Cell Physiol** 1987 Jan;130(1):85–92

Iron–transferrin–induced increase in protein kinase C activity in CCRF–CEM cells. Phillips JL, et al. **J Cell Physiol** 1987 Aug;132(2):349–53

Detection of ecto–5'–nucleotidase on rat B and T lymphocyte subpopulations using a monoclonal antibody in rosetting reactions. Carvalho GS, et al. **J Immunol Methods** 1987 Aug 24;102(1):119–26

Interferon–gamma enhances biosynthesis of pterins in peripheral blood mononuclear cells by induction of GTP–cyclohydrolase I activity. Schoedon G, et al. **J Interferon Res** 1986 Dec;6(6):697–703

Age–related RNA polymerase I activity in isolated nuclei of PHA stimulated human lymphocytes. Doggett DL, et al. **Mech Ageing Dev** 1986 Sep;36(1):25–39

Exposure of nuclear medicine patients to ionizing radiation is associated with rises in HPRT– mutant frequency in peripheral T–lymphocytes. Seifert AM, et al. **Mutat Res** 1987 May;191(1):57–63

Activity of marker enzyme of T–lymphocytes in arthritis urica patients [letter] Mikuliková D, et al. **Scand J Rheumatol** 1986;15(3):350–1

IMMUNOLOGY

Genetics of B and T cell recognition. Nowak JS. **Acta Anthropogenet** 1985;9(1–3):1–19 (65 ref.)

Comparison of the postoperative changes in the humoral and cellular immune activity in septic and non–septic colorectal cancer patients. Nagy A, et al. **Acta Chir Hung** 1986; 27(4):195–202

Immunity in Graves' disease at diagnosis: correlation between activated T cells and humoral immune factors. Di Mario U, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):493–9

Existence and immunological significance of circulating Ia+ T cells in autoimmune thyroid diseases. Zeki K, et al. **Acta Endocrinol (Copenh)** 1987 Jun;115(2):282–8

Characterization of thyroid infiltrating lymphocytes in Hashimoto's thyroiditis: detection of B and T cells specific for thyroid antigens. Del Prete GF, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:111–4

Comparison of the cellular infiltrate of Hashimoto's thyroiditis in vivo and after in vitro cell growth. Londei M, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:86–8

T cell gamma chain gene rearrangement without T cell receptor beta chain gene rearrangement in two cases of non–Hodgkin's lymphoma. Matsuoka M, et al. **Acta Haematol (Basel)** 1987;77(3):172–6

Presence of antibodies against adult T cell leukemia antigen

in the patients with chronic respiratory diseases. Kimura I, et al. **Acta Med Okayama** 1986 Dec;40(6):281–4

Suppressive effect of monocytes in vitro in patients with carcinoma of the uterine cervix. Bjercke S, et al. **Acta Obstet Gynecol Scand** 1986;65(6):619–24

Abnormal immune responses during hypozincaemia in acrodermatitis enteropathica. Anttila PH, et al. **Acta Paediatr Scand** 1986 Nov;75(6):988–92

Experimental mesangioproliferative glomerulonephritis in rats induced by intravenous administration of anti-thymocyte serum. Ishizaki M, et al. **Acta Pathol Jpn** 1986 Aug;36(8):1191–203

Quantification of CD8-positive lymphocytes in lymph node follicles from HIV-infected male homosexuals and controls. Brask S, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1987 Jul; 95(4):155–7

Bacteria are polyclonal T-dependent stimulants of immunoglobulin formation. Räsänen L, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1986 Aug; 94(4):131–6

Identification of T-lymphocytes in clinical practice. Seidlová V, et al. **Acta Univ Palacki Olomuc Fac Med** 1985; 111:259–66

Ontogeny of T cells in the pig fetus. Nielsen J. **Acta Vet Scand** 1986;27(3):343–50

Persistence of coxsackie A13 virus in Balb/c mice with T-cell deficit [letter] Bocharov EF, et al. **Acta Virol (Praha)** 1986 Nov;30(6):522

Influenza virus depresses the PFC response of mice by affecting T-cell function. Ichikawa K, et al. **Acta Virol (Praha)** 1987 May;31(3):203–17

Early events in lymphocyte activation triggered via CD3/Ti or CD2. Beverley PC, et al. **Adv Exp Med Biol** 1987; 213:51–8

Dietary fat and neoplasia--the role of net energy in enhancement of carcinogenesis: effects of fat and calories on the immune system. Boissonneault GA, et al. **Adv Exp Med Biol** 1986;206:85–98

Ion channels in T lymphocytes. Cahalan MD, et al. **Adv Exp Med Biol** 1987;213:85–101

Transmembrane signals in the activation of T lymphocytes. Hadden JW. **Adv Exp Med Biol** 1987;213:69–83

The diagnosis and definition of the acquired immunodeficiency syndrome. Hoxie JA. **Adv Exp Med Biol** 1986;202:49–62 (91 ref.)

Cell growth associated regulation of c-myc and c-fos in normal human T cells. Kelly K, et al. **Adv Exp Med Biol** 1987;213:241–7

The T cell receptor: its repertoire and role in thymocyte development. Marrack P, et al. **Adv Exp Med Biol** 1987; 213:1–12

The early mitogenic pathway in mouse thymocytes: an analysis of the dual signal hypothesis. Metcalfe JC, et al. **Adv Exp Med Biol** 1987;213:29–44

Human T lymphocyte activation. Milanese C, et al. **Adv Exp Med Biol** 1987;213:59–68

Regulation of proto-oncogene expression during T lymphocyte activation and proliferation. Reed JC, et al. **Adv Exp Med Biol** 1987;213:249–62

Autocrine growth function of interleukin-1-like molecules secreted by neoplastic human B cells. Scala G, et al. **Adv Exp Med Biol** 1987;213:115–24

Dissection of the molecular events occurring during T cell cycle progression. Smith KA. **Adv Exp Med Biol** 1987; 213:125–8

The interleukin-2 receptor on normal and malignant lymphocytes. Waldmann TA. **Adv Exp Med Biol** 1987; 213:129–37

The role of the antigen receptor/T3 complex in T-cell activation. Weiss A, et al. **Adv Exp Med Biol** 1987;213:45–9

Antigen presentation by B cells and its significance in T-B interactions. Chesnut RW, et al. **Adv Immunol** 1986; 39:51–94 (103 ref.)

T-cells in inflammation and experimental models of immune inflammation. 8th European Workshop on Inflammation. Basel, Switzerland, June 18–20, 1986. Papers. **Agents Actions** 1986 Dec;19(5–6):251–377

Decreased tissue immunoregulatory index in rheumatoid synovitis, determined by in-situ T-cell phenotyping with monoclonal antibodies. Dreher R. **Agents Actions** 1986 Dec;19(5–6):274–6

Antigen-presenting cells and T cell activation. Erb P, et al. **Agents Actions** 1986 Dec;19(5–6):266–8

Autoimmune disorders--analysis by study of T cells, implications and speculations. Feldmann M, et al. **Agents Actions** 1986 Dec;19(5–6):252–5

Role of T lymphocytes in murine collagen induced arthritis. Holmdahl R, et al. **Agents Actions** 1986 Dec; 19(5–6):295–305

T lymphocyte autoimmunity in peripheral nervous system autoimmune disease. Linington C, et al. **Agents Actions** 1986 Dec;19(5–6):256–65

Immunoregulatory function of T8 and T4 cells from synovial fluid of patients with chronic arthritis. Nilsson E, et al. **Agents Actions** 1986 Dec;19(5–6):271–3

Stimulation of prostaglandin formation by an antigen- and Ia-restricted T-cell–macrophage interaction. Schnyder J, et al. **Agents Actions** 1986 Dec;19(5–6):277–9

Transmission of HIV by antigen presenting cells during T-cell activation: prevention by 3'-azido-3'-deoxythymidine. Lyerly HK, et al. **AIDS Res Hum Retroviruses** 1987 Spring;3(1):87–94

The immunological events leading to the "in vitro" response to PPD. Scordamaglia A, et al. **Allergol Immunopathol (Madr)** 1987 Mar–Apr;15(2):83–7

T6 monoclonal antibody reacts with blasts from cases of common antigen acute lymphocytic leukemia. Hutchinson RE, et al. **Am J Clin Pathol** 1987 Jul;88(1):83–6

Double immunoenzymatic detection of surface phenotype of proliferating lymphocytes in situ with monoclonal antibodies against DNA polymerase alpha and lymphocyte membrane antigens. Namikawa R, et al. **Am J Clin Pathol** 1987 Jun;87(6):725–31

Identification and possible significance of HNK-1+ human lymphocytes, macrophages, and non-neoplastic T-cells in cutaneous lymphoma. McMillan E, et al. **Am J Dermatopathol** 1987 Feb;9(1):2–9

Antithymocyte globulin therapy for pure white cell aplasia. Firkin FC, et al. **Am J Hematol** 1987 May;25(1):101–5

Serum from patients with non-Hodgkin's lymphoma (NHL) inhibits T-cell colony formation. Hutchison RE, et al. **Am J Hematol** 1987 Jun;25(2):143–53

In vitro immunoglobulin production, proliferation, and cell markers before and after antithymocyte globulin therapy in patients with aplastic anemia. Lum LG, et al. **Am J Hematol** 1987 Sep;26(1):1–15

Refractory aplastic anemia: concomitant therapy with antithymocyte globulin and high-dose corticosteroids. Pulver KP, et al. **Am J Hematol** 1987 May;25(1):95–100

Disseminated cryptococcal infection in a patient with hypogammaglobulinemia and normal T cell functions. Gupta S, et al. **Am J Med** 1987 Jan;82(1):129–31

Interleukin-2 and killer T cells. Sticklin LA. **Am J Nurs** 1987 Apr;87(4):468–9

Coxsackievirus B-3 myocarditis. T-cell autoimmunity to heart antigens is resistant to cyclosporin-A treatment. Estrin M, et al. **Am J Pathol** 1986 Nov;125(2):244–51

Monoclonal antibodies marking T lymphocytes in paraffin-embedded tissue. Linder J, et al. **Am J Pathol** 1987 Apr;127(1):1–8

Tonsillar mapping of determinants found on normal lymphoreticular (T,B,K, immature and macrophage) and myeloblastic leukemia cells. McMillan EM, et al. **Am J Pathol** 1987 Mar;126(3):452–63

Thymic dysfunction in histiocytosis-X. Consolini R, et al. **Am J Pediatr Hematol Oncol** 1987 Summer;9(2):146–8

Replication of lower lymphocyte blastogenesis in depression [letter] Darko DF, et al. **Am J Psychiatry** 1986 Nov; 143(11):1492–3

Cellular immune aspects of the human fetal-maternal relationship. Shohat B, et al. **Am J Reprod Immunol Microbiol** 1986 Aug;11(4):125–9

"Plasmacytoid T cells" in Castleman's disease. Immunohistologic phenotype. Harris NL, et al. **Am J Surg Pathol** 1987 Feb;11(2):109–13

Characterization of feline T and B cells. Kuramochi T, et al. **Am J Vet Res** 1987 Feb;48(2):183–5

Tuberculous pleural effusions. Evidence for selective presence of PPD-specific T-lymphocytes at site of inflammation in the early phase of the infection. Rossi GA, et al. **Am Rev Respir Dis** 1987 Sep;136(3):575–9

Increase of T cells bearing Fc epsilon R-associated antigen in patients with atopic asthma. Matsumoto T, et al. **Ann Allergy** 1987 Apr;58(4):261–4

The use of monoclonal antibodies in the diagnosis of peripheral T-cell lymphomas. Giraldo AA, et al. **Ann Clin Lab Sci** 1987 Mar–Apr;17(2):67–73

T-cell–dependent modulation of the polyclonal B-lymphocyte responses in normal spleen cell cultures stimulated by lipopolysaccharide. Björklund M, et al. **Ann Inst Pasteur Immunol** 1987 Mar–Apr;138(2):181–99

The peptidic self model: a reassessment of the role of the major histocompatibility complex molecules in the restriction of the T-cell response. Claverie JM, et al. **Ann Inst Pasteur Immunol** 1986 Nov–Dec;137D(3):425–42 (95 ref.)

L3T4 interacts with class II molecules on target cells. Gay D, et al. **Ann Inst Pasteur Immunol** 1987 Jan–Feb; 138(1):127–31

The role of L3T4 (CD4) in T-cell activation. Greenstein JL, et al. **Ann Inst Pasteur Immunol** 1987 Jan–Feb; 138(1):134–8

The role of T4 in immune function and dysfunction. Lederman S, et al. **Ann Inst Pasteur Immunol** 1987 Jan–Feb; 138(1):158–65

All in the superfamily: presentation of antigen receptors in the context of the major histocompatibility complex. Leserman L. **Ann Inst Pasteur Immunol** 1987 Jan–Feb; 138(1):53–63

Structure and potential function of the murine L3T4 molecule. Littman D. **Ann Inst Pasteur Immunol** 1987 Jan–Feb;138(1):147–50

The role of CD4/L3T4 in T-lymphocyte function. McCluskey J, et al. **Ann Inst Pasteur Immunol** 1987 Jan–Feb;138(1):150–7

Anti-L3T4 monoclonal antibody inhibits T-cell activation by anti-T-cell receptor antibody through a pathway not involving "associative recognition". Moldwin RL, et al. **Ann Inst Pasteur Immunol** 1987 Jan–Feb;138(1):131–4

The L3T4 molecule is part of the helper T-cell antigen/Ia recognition complex. Saizawa K, et al. **Ann Inst Pasteur Immunol** 1987 Jan–Feb;138(1):138–43

Treatment of cutaneous sclerosis and aplastic anemia with antithymocyte globulin. Balaban EP, et al. **Ann Intern Med** 1987 Jan;106(1):56–8

Immune response potential and its genetic regulation in autoimmune diseases. Alterations in systemic lupus erythematosus and thyroid autoimmune diseases. Bentwich Z, et al. **Ann NY Acad Sci** 1986;475:227–30

The thymus. Key organ between endocrinologic and immunologic systems. Deschaux P, et al. **Ann NY Acad Sci** 1987;496:49–55

Distribution of immunocompetent cells underlying psychoneuroimmunomodulation. Brain neuromediator control mechanisms. Devoino L, et al. **Ann NY Acad Sci** 1987;496:292–300

Neuroendocrine modulation of the thymus-dependent immune system. Agonists and mechanisms. Hadden JW. **Ann NY Acad Sci** 1987;496:39–48 (33 ref.)

Modulation of lymphocyte function by endorphins. Heijnen CJ, et al. **Ann NY Acad Sci** 1987;496:161–5

Hormonal regulation of the age-associated decline in immune function. Kelley KW, et al. **Ann NY Acad Sci** 1987;496:91–7

Is dopamine related to immunologic changes in schizophrenic patients? Kerepčić I, et al. **Ann NY Acad Sci** 1987;496:737–9

Vaccination against experimental autoimmune diseases using T lymphocytes treated with hydrostatic pressure. Lider O, et al. **Ann NY Acad Sci** 1986;475:267–73

T and B cell connections in experimentally induced autoimmunity. Male DK, et al. **Ann NY Acad Sci** 1986; 475:94–105

Enkephalins and T-cell enhancement in normal volunteers and cancer patients. Plotnikoff NP, et al. **Ann NY Acad Sci** 1987;496:608–19

Alteration of immune competency by number of mice housed per cage. Rabin BS, et al. **Ann NY Acad Sci** 1987; 496:492–500

Molecular genetics and T cells in autoimmunity. Stastny P, et al. **Ann NY Acad Sci** 1986;475:12–23

Decreased production of interleukin-2 in schizophrenia. Villemain F, et al. **Ann NY Acad Sci** 1987;496:669–75

T-cell activation. MacDonald HR, et al. **Annu Rev Cell Biol** 1986;2:231–53 (147 ref.)

The structure of T-cell epitopes. Livingstone AM, et al. **Annu Rev Immunol** 1987;5:477–501 (90 ref.)

Genes of the T-cell antigen receptor in normal and malignant T cells. Toyonaga B, et al. **Annu Rev Immunol** 1987; 5:585–620 (136 ref.)

Biophysical aspects of antigen recognition by T cells. Watts TH, et al. **Annu Rev Immunol** 1987;5:461–75 (48 ref.)

Human lymphocyte and lymphoma homing receptors. Jalkanen S, et al. **Annu Rev Med** 1987;38:467–76 (16 ref.)

Regulation of IgA expression by isotype-specific T cells and soluble binding factors. Word CJ, et al. **Annu Rev Microbiol** 1986;40:503–24 (145 ref.)

Natural and concanavalin A-induced cytotoxic activity towards continuously growing B lymphocytes derived from patients with cutaneous T-cell lymphoma. Jensen JR, et al. **Arch Dermatol Res** 1986;279(1):12–5

Stimulation of T cells by autologous mononuclear leukocytes and epidermal cells in psoriasis. Schopf RE, et al. **Arch Dermatol Res** 1986;279(2):89–94

Immune response against P815X2 mastocytoma growing in syngeneic DBA/2 mice. III. Morphometric assessment of the dynamic changes in post-capillary venules as regulatory elements of lymphocyte recirculation in tumor-draining lymph nodes. Tosi P, et al. **Arch Geschwulstforsch** 1987; 57(1):7–15

TG and TnonG lymphocyte involvement in the proliferative response to PHA. II. The role of TG and TnonG lymphocytes in the regulation of the PHA-induced proliferative response of non-T cells. Markowicz S, et al. **Arch Immunol Ther Exp (Warsz)** 1987;35(1):23–7

TG and TnonG lymphocyte involvement in the proliferative response to PHA. I. Reactivity and regulatory functions of TG and TnonG subsets in the proliferative response of T lymphocytes. Markowicz S, et al. **Arch Immunol Ther Exp (Warsz)** 1987;35(1):11–21

Aging influence on the E-rosette forming cells, spontaneous cell mediated cytotoxicity, and antibody dependent cellular cytotoxicity in humans. Olinescu A, et al. **Arch Immunol Ther Exp (Warsz)** 1987;35(1):1–10

Production of lymphokines by murine cortisone resistant thymocytes stimulated by concanavalin A. III. Effect of cytotoxic pretreatment with anti-Lyt antibodies on interleukin-2 and interferon producing cells. Pajtasz E, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(4):403–7

Identification of cells producing anti-treponemal lymphotoxin (ATL). Podwińska J. **Arch Immunol Ther Exp (Warsz)** 1987;35(1):63–70

Effect of serum lymphocytotoxic activity on T and B cells in rabbits infected with Treponema pallidum. Podwińska J, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(1):59–64

S-antigen. Adoptive transfer of experimental autoimmune uveitis following immunization with a small synthetic peptide. Merryman CF, et al. **Arch Ophthalmol** 1987 Jun; 105(6):841–3

The effects of ultraviolet irradiation of the skin on herpes simplex virus infection: alteration in immune function mediated by epidermal cells and in the course of infection. Otani T, et al. **Arch Virol** 1987;96(1–2):1–15

HLA-D region epitopes associated with juvenile arthritis. Recognition by alloreactive T cell clones and alloantisera. Myers LK, et al. **Arthritis Rheum** 1987 Jul;30(7):744–51

Activation pathways for human T-lymphocytes defined by

monoclonal antibodies against T-cell surface structures. Fleischer B. **Arzneimittelforschung** 1987 May;37(5):585–6
Treatment of acute renal allograft rejection with a monoclonal antibody to a T cell antigen (HuLy-m2). d'Apice AJ, et al. **Aust NZ J Med** 1987 Apr;17(2):210–5
Effect of ano-receptive homosexual practice on T lymphocytes and delayed hypersensitivity in transsexuals. Ratnam KV, et al. **Aust NZ J Med** 1986 Dec;16(6):757–60
Immunological reconstitution in a patient with severe combined immune deficiency using non-sibling bone marrow depleted of T cells with HuLy-m1. Roberton DM, et al. **Aust NZ J Med** 1986 Jun;16(3):385–8
Stress-induced alteration of T-lymphocyte subsets and humoral immunity in mice. Esterling B, et al. **Behav Neurosci** 1987 Feb;101(1):115–9
Two pathways of T cell activation. Meuer SC, et al. **Behring Inst Mitt** 1987 Jun;(81):15–30 (59 ref.)
Phospholipid-metabolism of a stimulated murine T cell clone. Behl B, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1303–12
A strong homology exists between the active T-cell binding gp120 octapeptide of human immunodeficiency virus and the subtilisin cleavage peptide of bovine ribonuclease A. Pincus MR, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):248–51
Site recognition by protein-primed T cells shows a non-specific peptide size requirement beyond the essential residues of the site. Demonstration by defining an immunodominant T site in myoglobin. Bixler GS Jr, et al. **Biochem J** 1986 Nov 15;240(1):139–46
Influence of the antileukemic and anti-human immunodeficiency virus agent avarol on selected immune responses in vitro and in vivo. Müller WE, et al. **Biochem Pharmacol** 1987 May 1;36(9):1489–94
T-cell responses at the host: tumour interface. Robins RA. **Biochim Biophys Acta** 1986 Dec 17;865(3):289–305 (150 ref.)
Pathways of human T lymphocyte development and activation. Alcover A, et al. **Bioessays** 1986 Jun;4(6):259–64
Control of the early activation genes of T lymphocytes. Crabtree GR, et al. **Bioessays** 1986 Nov;5(5):220–2
Why affinity progression of antibodies during immune responses is probably not accompanied by parallel changes in the immunoglobulin-like antigen-specific receptors on T cells. Eisen HN. **Bioessays** 1986 Jun;4(6):269–72
The cellular and molecular basis of the Lyt-1+2- T cell-mediated tumor-eradicating mechanism in vivo. Fujiwara H, et al. **Bioessays** 1986 Jan;4(1):19–23
T-cell differentiation antigens: proteins, genes and function. Parnes JR. **Bioessays** 1986 Jun;4(6):255–9
Membrane recycling and antigen presentation. Watts C, et al. **Bioessays** 1986 Jun;4(6):265–7
Pitfalls in measuring fluorescence polarization in mitogen-stimulated T-lymphocytes. Goppelt-Strübe M, et al. **Biol Chem Hoppe Seyler** 1987 Apr;368(4):409–12
Phenotypic heterogeneity within the circulating human neonatal T4-positive T cell subset. Bertotto A, et al. **Biol Neonate** 1986;50(6):318–22
Correlation between computed conformational properties of cytochrome c peptides and their antigenicity in a T-lymphocyte proliferation assay. Vasquez M, et al. **Biopolymers** 1987 Mar;26(3):373–86
Analysis of CD1 molecules on thymus cells and leukemic T lymphoblasts identifies discrete phenotypes and reveals that CD1 intermolecular complexes are observed only on normal cells. Amiot M, et al. **Blood** 1987 Sep;70(3):676–85
Recipient immune-competent T lymphocytes can survive intensive conditioning for bone marrow transplantation. Buttarini A, et al. **Blood** 1986 Oct;68(4):954–6
Immunoglobulin and T cell receptor gene configuration in acute lymphoblastic leukemia of infancy. Felix CA, et al. **Blood** 1987 Aug;70(2):536–41
Divergent molecular phenotypes of KG1 and KG1a myeloid cell lines. Furley AJ, et al. **Blood** 1986 Nov;68(5):1101–7
Amantadine potentiates T lymphocyte killing by an anti-pan-T cell (CD5) ricin A-chain immunotoxin. Siena S, et al. **Blood** 1987 Jan;69(1):345–8
Antilymphocytic antibodies and marrow transplantation. VIII. Recipient conditioning with Clq-affine monoclonal anti-pan T antibodies prevents GVHD in homozygous fully mismatched mice. Thierfelder S, et al. **Blood** 1986 Oct;68(4):818–24
Marrow purging in autologous bone marrow transplantation for T-lineage acute lymphoblastic leukemia: efficacy of ex vivo treatment with immunotoxins and 4-hydroperoxycyclophosphamide against fresh leukemic marrow progenitor cells. Uckun FM, et al. **Blood** 1987 Jan; 69(1):361–6
Modulation of chronic lymphocytic leukemia (CLL) lymphocyte phenotypes by in vitro incubation with alpha 1 thymosin. Benković B, et al. **Blood Cells** 1987; 12(2):441–55
Do epidermotropic T cells exist in normal human skin? A re-evaluation of the SALT hypothesis [editorial] Breathnach SM. **Br J Dermatol** 1986 Oct;115(4):389–92
A case of multicentric reticulohistiocytosis: uncommon clinical signs and a report of T-cell marker characteristics. Green CA, et al. **Br J Dermatol** 1986 Nov;115(5):623–8
Graft rejection after T-cell depleted marrow transplantation: role of fractionated irradiation [letter] Guyotat D, et al. **Br J Haematol** 1987 Apr;65(4):499
Analysis of leucocyte differentiation antigens in blood and bone marrow from patients with Waldenström's macroglobulinaemia. Kucharska-Pulczynska M, et al. **Br J Haematol** 1987 Apr;65(4):395–9
T-cell origin of Lennert's lymphoma. O'Connor NT, et al. **Br J Haematol** 1986 Nov;64(3):521–8
Humoral response to wheat protein in patients with coeliac disease and enteropathy associated T cell lymphoma. O'Farrelly C, et al. **Br Med J [Clin Res]** 1986 Oct 11; 293(6552):908–10
The syngeneic mixed leukocyte reaction: an autoreactive self-renewing cellular network for mature T lymphocytes. Dos-Reis GA. **Braz J Med Biol Res** 1986;19(1):1–9 (40 ref.)
Immunologic and clinicopathologic features of common acute lymphoblastic leukemia antigen-positive childhood T-cell leukemia. A Pediatric Oncology Group Study. Dowell BL, et al. **Cancer** 1987 Jun 15;59(12):2020–6
A T chronic lymphocytic leukemia with large granular lymphocytes. Phenotype and functions of leukemic cells under in vitro treatment by differentiation inducers. Merle-Beral H, et al. **Cancer** 1987 Apr 1;59(7):1296–303
Effect of exogenous interleukins on in vitro responses of T lymphocytes from patients with Hodgkin disease. Mukhopadhyaya R, et al. **Cancer Detect Prev** 1987; 10(5-6):445–51
Impaired T- and B-cell functions in patients with Hodgkin's disease. Reduced mitogenic responsibility and Il-2 production is not caused by defective CD4+-cells. Bergmann L, et al. **Cancer Immunol Immunother** 1987; 25(1):59–64
The role of host lymphocytes and host macrophages in antitumor reactions after injection of sensitized lymphocytes and tumor target cells into naive mice. Dullens HF, et al. **Cancer Immunol Immunother** 1986; 23(2):113–8
Studies on the recovery from tolerance to tumor antigens. I. Bone marrow cells from tolerant hosts are not rendered tolerant, but provide potential to reconstitute tumor-specific effector T cell clones. Fujiwara H, et al. **Cancer Immunol Immunother** 1987;24(2):113–20
In vivo resistance of secondary antitumor immune response to cyclophosphamide: effects on T cell subsets. Peppoloni S, et al. **Cancer Immunol Immunother** 1987;24(1):49–56
Studies on the recovery from tolerance to tumor antigens. II. Accelerated recovery of tumor-specific effector T cells in tolerant mice by applying T-T cell interaction mechanism. Sato S, et al. **Cancer Immunol Immunother** 1987;24(2):121–6
Plant lectin, ATF1011, on the tumor cell surface augments tumor-specific immunity through activation of T cells specific for the lectin. Yoshimoto R, et al. **Cancer Immunol Immunother** 1987;25(1):25–30
The role of tumor-specific Lyt-1+2- T cells in eradicating tumor cells in vivo. II. Lyt-1+2- T cells have potential to reject antigenically irrelevant (bystander) tumor cells on activation with the specific target tumor cells. Yoshioka T, et al. **Cancer Immunol Immunother** 1987;24(1):8–12
Unique T-cell immune abnormalities in the development of acquired immune deficiency syndrome (AIDS). Shearer GM, et al. **Cancer Invest** 1986;4(6):599–608
Activation of lymphocyte anti-tumour responses in man: effector heterogeneity and the search for immunomodulators. Vose BM. **Cancer Metastasis Rev** 1987; 5(4):299–312 (58 ref.)
Association of colorectal tumor epithelium expressing HLA-D/DR with CD8-positive T-cells and mononuclear phagocytes. Allen CA, et al. **Cancer Res** 1987 Jun 1; 47(11):2919–23
Melphalan-induced enhancement of antitumor immune reactivity in thymocytes of adult BALB/c mice bearing a large MOPC-315 tumor. Bartik MM, et al. **Cancer Res** 1987 Sep 15;47(18):4848–55
Progressive growth of immunogenic tumors: relationship between susceptibility of ascites P815 tumor cells to T-cell-mediated lysis and immune destruction in vivo. Fahey JR, et al. **Cancer Res** 1987 Sep 15;47(18):4759–65
In vitro analysis of donor bone marrow following monoclonal antibody treatment for the prevention of acute graft versus host disease. Kohler PC, et al. **Cancer Res** 1986 Oct; 46(10):5413–8
Intrasplenic administration of interleukin-2 to potentiate specific chemoimmunotherapy in tumor-bearing mice. Nomi S, et al. **Cancer Res** 1986 Nov;46(11):5606–10
Induction of "innocent bystander" cytotoxicity in nonimmune mice by adoptive transfer of L3T4+ Lyt-1+2- mammary tumor immune T-cells. Paul RD, et al. **Cancer Res** 1987 Feb 15;47(4):1105–10
In vitro differentiation of T-cells capable of mediating the regression of established syngeneic tumors in mice. Shu S, et al. **Cancer Res** 1987 Mar 1;47(5):1354–60
Dissection of tumour-specific antigenicity. Wortzel RD, et al. **Cancer Surv** 1985;4(1):115–34
The T cell repertoire may be biased in favor of MHC recognition. Blackman M, et al. **Cell** 1986 Nov 7; 47(3):349–57
Isolation and characterization of antigen-Ia complexes involved in T cell recognition. Buus S, et al. **Cell** 1986 Dec 26;47(6):1071–7
T cell tolerance by clonal elimination in the thymus. Kappler JW, et al. **Cell** 1987 Apr 24;49(2):273–80
Evidence for aberrant activation of the interleukin-2 autocrine loop by HTLV-1-encoded p40x and T3/Ti complex triggering. Maruyama M, et al. **Cell** 1987 Jan 30; 48(2):343–50
T cell receptor beta gene sequences in the circular DNA of thymocyte nuclei: direct evidence for intramolecular DNA deletion in V-D-J joining. Okazaki K, et al. **Cell** 1987 May 22;49(4):477–85
Tolerance, and more. Raulet DH. **Cell** 1987 Apr 24; 49(2):153–4
Direct evidence for the existence of nominal antigen binding sites on T cell surface Ti alpha-beta heterodimers of MHC-restricted T cell clones. Siliciano RF, et al. **Cell** 1986 Oct 24;47(2):161–71
Differential effect of cyclosporin-A on the mixed-lymphocyte culture-induced proliferative and cytotoxic responses of T lymphocytes with different cell densities. Bejarano MT, et al. **Cell Immunol** 1986 Dec; 103(2):409–16
Interleukin 2 production and responsiveness in individuals with acquired immunodeficiency syndrome and the generalized lymphadenopathy syndrome. Borzy MS. **Cell Immunol** 1987 Jan;104(1):142–53
Influence of immunoglobulin isotypes and lymphoid cell phenotype on the transfer of immune complexes to follicular dendritic cells. Braun M, et al. **Cell Immunol** 1987 Jun;107(1):99–106
Analysis of T-T lymphocytes and T-accessory cell interactions using cloned T cells: MHC I restricted cloned T cells activate MHC II restricted T helper cells. Brückner T, et al. **Cell Immunol** 1986 Apr 15;99(1):182–95
Functional interactions of human and murine lymphoid cells. I. Analysis of primary and secondary responses. Brunswick M, et al. **Cell Immunol** 1986 Dec;103(2):441–54
Demonstration of T-cell dysfunction during acute toxoplasma infection. Chan J, et al. **Cell Immunol** 1986 Apr 1;98(2):422–33
Re-presentation of the hapten dinitrophenol (DNP) to a DNP-specific T-cell line. Chang JC, et al. **Cell Immunol** 1987 Apr 15;106(1):1–11
Analysis of T-cell subset proliferation at afebrile and febrile temperatures: differential response of Lyt-1+23- lymphocytes to hyperthermia following mitogen and antigen stimulation and its functional consequence on development of cytotoxic lymphocytes. Ciavarra RP, et al. **Cell Immunol** 1987 Jul;107(2):293–306
The regulation of gamma-interferon production by interleukins 1 and 2. Croll AD, et al. **Cell Immunol** 1986 Oct 1;102(1):33–42
In vitro effects of retinoids on murine thymus-dependent and thymus-independent mitogenesis. Dillehay DL, et al. **Cell Immunol** 1987 Jun;107(1):130–7
The acute inflammatory process in murine lymphocytic choriomeningitis is dependent on Lyt-2+ immune T cells. Dixon JE, et al. **Cell Immunol** 1987 Jun;107(1):8–14
Divergent effects of cyclosporine A on interferon- and mitogen-induced Ly-6A antigen suggest autocrine regulation of Ly-6A expression in activated T cells. Dumont FJ. **Cell Immunol** 1987 Apr 1;105(2):355–65
Immunity to Plasmodium yoelii: kinetics of the generation of T and B lymphocytes that passively transfer protective immunity against virulent challenge. Fahey JR, et al. **Cell Immunol** 1986 Apr 1;98(2):486–95
Formation of IgM-binding factors by murine thymocytes. Fukutomi Y, et al. **Cell Immunol** 1987 Mar;105(1):187–98
Interleukin 2 responsiveness of immature T-cell colony-forming cells (T-CFC) from patients with acute T-cell lymphoblastic leukemias. Georgoulias V, et al. **Cell Immunol** 1987 Apr 1;105(2):317–31
Functional and biochemical characterization of B-cell differentiation factor (BCDF) produced by an HTLV-I-transformed human T-cell clone and demonstration of specific binding of the factor to a BCDF responsive cell line. Goldstein H, et al. **Cell Immunol** 1987 Sep;108(2):343–55
Autologous mixed-lymphocyte reaction in man. XVII. In vitro effect of ion channel-blocking agents on the autologous mixed-lymphocyte response. Gupta S. **Cell Immunol** 1987 Feb;104(2):290–5
A significant role of the macrophage accumulation induced by MCF in the protection of mice against Listeria monocytogenes in vivo. Handa T, et al. **Cell Immunol** 1987 May;106(2):330–42
Bacillary growth, interleukin 2 production defect, and specific antibody secretion governed by different genetical factors in mice infected subcutaneously with Mycobacterium lepraemurium. Hoffenbach A, et al. **Cell Immunol** 1986 Oct 15;102(2):273–86
Murine T cells reactive against autologous erythrocytes: evidence for in vitro and in vivo priming with mouse and rat red blood cells. Hooper DC, et al. **Cell Immunol** 1987 Apr 15;106(1):53–61
Murine neonatal spleen contains natural T and non-T suppressor cells capable of inhibiting adult alloreactive and newborn autoreactive T-cell proliferation. Hooper DC, et al. **Cell Immunol** 1986 May;99(2):461–75
Study of DTH and resistance in Mycobacterium lepraemurium infection using a T-cell line isolated from mice infected with Mycobacterium bovis (BCG). Hussein S, et al. **Cell Immunol** 1987 Apr 1;105(2):423–31
Functional studies of T4+ lymphocyte subsets distinguished by the monoclonal antibody 5/9: suppressor-effector T4+ lymphocytes derive from the 5/9+ subset. Irigoyen O, et al. **Cell Immunol** 1987 Jun;107(1):172–9

Lysis of fresh solid tumor targets in the presence of Con A is mediated primarily by Leu 7+ peripheral blood T lymphocytes: blocking by the anti-CD3 monoclonal antibody and comparison with recombinant interleukin 2-induced lysis by natural killer cells. Itoh K, et al. **Cell Immunol** 1987 Sep;108(2):283–96

Predominance of helper-inducer T cells in mesenteric lymph nodes and intestinal lamina propria of normal nonhuman primates. James SP, et al. **Cell Immunol** 1987 Jul; 107(2):372–83

Transfer of autoimmune encephalomyelitis with T lymphocytes in strain 13 guinea pigs. Jarjour WN, et al. **Cell Immunol** 1986 Dec;103(2):462–8

The use of nonspecific T acceptor cells to overcome the aberrant function of antigen-specific third-order T suppressor cells. Jayaraman S, et al. **Cell Immunol** 1987 Jul;107(2):326–39

Idiotype-specific T suppressor factor alternatively interacts with a nonspecific T-acceptor-like cell to mediate immune suppression. Jayaraman S, et al. **Cell Immunol** 1986 Sep; 101(2):363–72

B cells as antigen-presenting cells: antigen-specific IL-2 production by cloned T cells without expression of IL-2 receptors. Kakiuchi T, et al. **Cell Immunol** 1987 Aug; 108(1):150–61

B cells as antigen-presenting cells: antibody production in vitro against a T-dependent antigen. Kakiuchi T, et al. **Cell Immunol** 1986 Jul;100(2):515–24

Clonal analysis of antigen-specific interactions between T cells and genetically engineered B cells. Kitagami K, et al. **Cell Immunol** 1987 Sep;108(2):438–51

Accessory cell function in a Con A response: role of Ia and interleukin 1. Kohno K, et al. **Cell Immunol** 1987 May; 106(2):250–9

Specific suppression of the in vitro parent anti-hybrid reaction. II. Parameters influencing suppressor cell induction in the F1 hybrid. Kosmatopoulos K, et al. **Cell Immunol** 1987 Feb;104(2):320–33

Regulatory action of immune B cells on delayed-type hypersensitivity in mice. Kuribayashi K, et al. **Cell Immunol** 1987 Sep;108(2):366–77

Interleukin 2 induces proliferation of normal "resting" human T cells in the absence of other known external stimulation. Lakhanpal S, et al. **Cell Immunol** 1987 Apr 15;106(1):62–75

Regulation of the expression on mouse T lymphocytes of the epitope identified by monoclonal antibody 3A35. le Corre R, et al. **Cell Immunol** 1987 Apr 15;106(1):122–31

Simple sugars inhibit proliferation of human T lymphocytes in autologous and allogeneic mixed lymphocyte reactions. Licastro F, et al. **Cell Immunol** 1987 Jun;107(1):15–23

Intraocular Ia expression in vivo induced in the absence of immune T cells. Lightman S, et al. **Cell Immunol** 1987 May; 106(2):242–9

Epstein-Barr virus-transformed B cells process and present Mycobacterium tuberculosis particulate antigens to T-cell clones. Lombardi G, et al. **Cell Immunol** 1987 Jul; 107(2):281–92

Antigen-specific T cells can mediate demyelination in organotypic central nervous system cultures. Lyman WD, et al. **Cell Immunol** 1986 Oct 1;102(1):217–26

T-cell depletion of allogeneic bone marrow prevents acceleration of graft-versus-host disease induced by exogenous interleukin 2. Malkovský M, et al. **Cell Immunol** 1986 Dec;103(2):476–80

Macrophage activation factor from EL-4, a murine T-cell line: antigenic characterization by hamster monoclonal antibodies to murine interferon-gamma. Meltzer MS, et al. **Cell Immunol** 1987 Jul;107(2):340–7

The role of lymphokine-activated cell-associated antigen. III. Inhibition of T-cell activation by monoclonal killer-blocking antibody. Nishimura T, et al. **Cell Immunol** 1987 Jun;107(1):32–9

The role of lymphokine-activated cell-associated antigen. II. Distribution and correlation with cell cycle. Nishimura T, et al. **Cell Immunol** 1987 Jun;107(1):24–31

Osmotic enhancement of mitogenic stimulation in PNA-negative murine thymocytes. Novogrodsky A, et al. **Cell Immunol** 1987 Apr 1;105(2):262–9

Antibodies against I-A and I-E determinants inhibit the activation and function of encephalitogenic T-lymphocyte lines. Offner H, et al. **Cell Immunol** 1986 Jul;100(2):364–73

402AX teratocarcinoma MHC class I antigen expression is regulated in vivo by Lyt 1, Lyt 2, and L3T4 expressing splenic T cells. Ostrand-Rosenberg S, et al. **Cell Immunol** 1986 Apr 1;98(2):257–65

An active T-cell-independent mechanism enhances MHC class I transcription and expression on a mouse T-cell lymphoma in vivo. Petersson MG, et al. **Cell Immunol** 1987 Sep;108(2):460–72

Differences of T-cell activation by the anti-CD3 antibodies Leu4 and BMA030. Pichler WJ, et al. **Cell Immunol** 1987 Aug;108(1):175–87

A Thy-1.1-specific monoclonal alloantibody activates both mouse and rat T cells. Pont S, et al. **Cell Immunol** 1987 Jun;107(1):64–73

Anti-idiotypic T lymphocyte responsiveness in murine Schistosomiasis mansoni. Powell MR, et al. **Cell Immunol** 1987 Feb;104(2):377–85

In vivo immunomodulation by monoclonal anti-L3T4. 1. Effects on humoral and cell-mediated immune response. Ranges GE, et al. **Cell Immunol** 1987 Apr 15;106(1):163–73

Lymphocyte activation by oxidative modification: avidin-modified T cells activate biotin-modified autologous T cells but not vice versa. Roffman E, et al. **Cell Immunol** 1986 Nov;103(1):140–6

T cells from patients with chronic liver diseases: abnormalities in PHA-induced expression of HLA class II antigens and in autologous mixed-lymphocyte reactions. Scudeletti M, et al. **Cell Immunol** 1986 Oct 1;102(1):227–33

Suppression of GvHR by in vitro allogeneically stimulated lymphocytes: the role of lymphoblasts in the regulation of a primary T-cell response. Siegl E, et al. **Cell Immunol** 1987 Feb;104(2):218–22

Interference with Fc signals increases an antibody response by T-cell-deprived cultures to a T-dependent antigen. Sinclair NR, et al. **Cell Immunol** 1987 Jul;107(2):465–70

Differential requirement for accessory cells in polyclonal T-cell activation. Sopori ML, et al. **Cell Immunol** 1987 Mar;105(1):174–86

Inhibitory effect of an antibody against alpha 1-acid glycoprotein (alpha 1-AGP) on autologous mixed lymphocyte reaction and anti-T3 T-lymphocyte activation. Stefanini GF, et al. **Cell Immunol** 1986 Nov;103(1):65–72

Characterization of three different rat T-cell clones with specificity to Listeria monocytogenes: phenotype, specific proliferation, lymphokine production, and protective capacity in vivo. Stolpmann RM, et al. **Cell Immunol** 1986 Sep;101(2):548–57

Radiation leukemia virus-transformed immunocompetent T cells. II. Antigen-induced macrophage migration inhibition factor and leukocyte migration inhibition factor production. Szigeti R, et al. **Cell Immunol** 1986 Oct 1;102(1):89–98

The 2H4 molecule but not the T3-receptor complex is involved in suppressor inducer signals in the AMLR system. Takeuchi T, et al. **Cell Immunol** 1987 Jun; 107(1):107–14

Proliferation of human peripheral blood lymphocytes induced by recombinant human interleukin 2: contribution of large granular lymphocytes and T lymphocytes. Talmadge JE, et al. **Cell Immunol** 1986 Oct 15; 102(2):261–72

Studies on primed precursors of effector T cells involved in delayed-type hypersensitivity to sheep red blood cells in mice. Tamura S, et al. **Cell Immunol** 1987 Aug; 108(1):120–31

Biochemical studies on a cell surface determinant involved in T-cell proiiferation. Thieme T, et al. **Cell Immunol** 1987 Aug;108(1):28–41

Suppression of IgG memory responses by T cells activated with the type 2 antigen polyvinylpyrrolidone (PVP). Van Buskirk AM, et al. **Cell Immunol** 1987 Jun;107(1):121–9

A syngeneic MLR induced in vivo results in T-cell mediated immune suppression. van Vollenhoven RF, et al. **Cell Immunol** 1987 May;106(2):397–407

Deterioration of cellular immunity during aging. The relationship between age-dependent impairment of delayed-type hypersensitivity reactivity, interleukin-2 production capacity, and frequency of Thy-1+,Lyt-2- cells in C57BL/Ka and CBA/Rij mice. Vissinga CS, et al. **Cell Immunol** 1987 Sep;108(2):323–34

Angiotensin II is chemotactic for a T-cell subset which can express migration inhibition factor activity in murine schistosomiasis mansoni. Weinstock JV, et al. **Cell Immunol** 1987 Jun;107(1):180–7

Modulation of granulomatous inflammation in murine schistosomiasis mansoni by enteric exposure to schistosome ova: in vitro characterization of a regulatory mechanism within the granuloma. Weinstock JV, et al. **Cell Immunol** 1987 Sep;108(2):452–9

Function of T cells from elderly humans: reductions of membrane events and proliferative responses mediated via T3 determinants and diminished elaboration of soluble T-cell factors for B-cell growth. Whisler RL, et al. **Cell Immunol** 1986 May;99(2):422–33

C-reactive protein reduces the promotion of human B-cell colony formation by autoreactive T4 cells and T-cell proliferation during the autologous mixed-lymphocyte reaction. Whisler RL, et al. **Cell Immunol** 1986 Oct 15; 102(2):287–98

Characterization of a T-cell determinant defined by a monoclonal antibody (TH5.2) which is involved in the interleukin-2-producing and proliferative capabilities of T cells. Yoshihara PH, et al. **Cell Immunol** 1987 Aug; 108(1):10–27

Distribution and functional analysis of a 120- to 130-kDa T-cell surface antigen. Yssel H, et al. **Cell Immunol** 1987 Mar;105(1):161–73

Expression of class II antigens by subsets of activated T cells. Zier KS. **Cell Immunol** 1986 Jul;100(2):525–31

Further study on the maturational impairment of thymic lymphocytes in streptozotocin-induced diabetic rats—from the view of peripheral lymphoid organs. Kinoshita Y, et al. **Cell Mol Biol** 1987;33(3):387–95

Remarkable changes in mitogen responsiveness and rosette-forming capacity of thymocytes with aging due to possible disorders of thymic hormone secretion from thymus epithelial cells of spontaneous thymoma Buffalo/Mna rats. Toyokawa T, et al. **Cell Mol Biol** 1987; 33(3):363–74

Cytochalasin B enhances T cell mitogenesis by promoting expression of an interleukin 2 receptor. Komada H, et al. **Cell Struct Funct** 1987 Jun;12(3):281–5

Synthesis of deacetyl-thymosin beta 10 and examination of its immunological effect on T-cell subpopulations of a uremic patient with tuberculosis. Abiko T, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov;34(11):4708–17

Lymphocyte subpopulations, activation phenotypes, and spontaneous proliferation in tuberculous pleural effusions. Bergroth V, et al. **Chest** 1987 Mar;91(3):338–41

ARDS following equine ATG therapy [letter] Murdock DK, et al. **Chest** 1987 Sep;92(3):578

Neurotropin immunostimulating action on immunocompetent cells. Zhang GS, et al. **Chin Med J [Engl]** 1986 Apr; 99(4):343–6

Studies on the pathogenesis of murine experimental autoimmune active hepatitis: sensitized T cell involvement in its induction. Araki K, et al. **Clin Exp Immunol** 1987 Feb;67(2):326–34

Busulfan and chloramphenicol induced T cell lymphoma: cell surface characteristics and functional properties. Bhoopalam N, et al. **Clin Exp Immunol** 1986 Jun; 64(3):646–55

Induction of Fc receptors for IgA on murine T cell hybridoma by human monoclonal IgA and by high molecular weight IgA in IgA nephropathy. Chevailler A, et al. **Clin Exp Immunol** 1987 Jan;67(1):114–23

Selective sensitization of peripheral blood T lymphocytes to hepatitis B core antigen in patients with chronic active hepatitis type B. Ferrari C, et al. **Clin Exp Immunol** 1986 Dec;66(3):497–506

Studies on the accessory requirement for T lymphocyte activation by concanavalin A. Gallagher RB, et al. **Clin Exp Immunol** 1986 Oct;66(1):118–25

Lymphocyte transformation induced by autologous cells: XVIII. Impaired autologous mixed lymphocyte reaction in subjects with AIDS-related complex. Garbrecht FC, et al. **Clin Exp Immunol** 1987 Feb;67(2):245–51

The effect of iron (Fe3+) on the cloning efficiency of human memory T4+ lymphocytes. Good MF, et al. **Clin Exp Immunol** 1986 Nov;66(2):340–7

Chronic exercise stress in mice depresses splenic T lymphocyte mitogenesis in vitro. Hoffman-Goetz L, et al. **Clin Exp Immunol** 1986 Dec;66(3):551–7

Analysis of isolated and combined effects of calcium ionophore and phorbol ester on T lymphocyte activation. Nóbrega AF, et al. **Clin Exp Immunol** 1986 Sep; 65(3):559–69

Characterization of synovial T lymphocytes in rheumatoid arthritis. I. Production of IL-2 dependent T cell clones from synovial fluid and peripheral blood. Ofosu-Appiah WA, et al. **Clin Exp Immunol** 1986 Jun;64(3):555–62

Mitogenic response of human thymocytes: identification of functional Ca2+-dependent and independent signals. Roifman CM, et al. **Clin Exp Immunol** 1986 Oct; 66(1):139–49

Impairment of T cell activation in burn patients: a possible mechanism of thermal injury-induced immunosuppression. Teodorczyk-Injeyan JA, et al. **Clin Exp Immunol** 1986 Sep; 65(3):570–81

Parameters of T cell mediated immunity to commensal micro-organisms in patients with chronic purulent rhinosinusitis: a comparison between delayed type hypersensitivity skin test, lymphocyte transformation test and macrophage migration inhibition factor assay. van de Plassche-Boers EM, et al. **Clin Exp Immunol** 1986 Dec; 66(3):516–24

Lymphocyte expression of a 90 kD brush border antigen. Van Leer EH, et al. **Clin Exp Immunol** 1987 Mar; 67(3):572–80

Impaired proliferative response to concanavalin A in patients with rheumatoid arthritis: a consequence of drug-induced T-lymphocyte damage. Vogt P, et al. **Clin Exp Rheumatol** 1986 Oct-Dec;4(4):307–12

Clinical and immunological findings in four infants with Omenn's syndrome: a form of severe combined immunodeficiency with phenotypically normal T cells, elevated IgE, and eosinophilia. Businco L, et al. **Clin Immunol Immunopathol** 1987 Aug;44(2):123–33

Requirement for mitogen, T cell-accessory cell contact, and interleukin 1 in the induction of resting T-cell proliferation. Chatila TA, et al. **Clin Immunol Immunopathol** 1987 Aug; 44(2):235–47

A shared B-T cell phenotype in autoimmune mice bearing the lpr gene. Dauphinée MJ, et al. **Clin Immunol Immunopathol** 1987 Jul;44(1):71–81

Coordinate and independent effects of heroin, cocaine, and alcohol abuse on T-cell E-rosette formation and antigenic marker expression. Donahoe RM, et al. **Clin Immunol Immunopathol** 1986 Nov;41(2):254–64

Abnormal lymphocyte function in scleroderma: a study on identical twins. Dustoor MM, et al. **Clin Immunol Immunopathol** 1987 Jul;44(1):20–30

T-cell activation defect in common variable immunodeficiency: restoration by phorbol myristate acetate (PMA) or allogeneic macrophages. Fiedler W, et al. **Clin Immunol Immunopathol** 1987 Aug;44(2):206–18

Secondary immune amplification following live poliovirus immunization in humans. Hafler DA, et al. **Clin Immunol Immunopathol** 1987 Sep;44(3):321–8

Class II antigens in Hashimoto thyroiditis. II. Expression of HLA-DR on infiltrating mononuclear cells in peripolesis. Möst J, et al. **Clin Immunol Immunopathol** 1986 Nov; 41(2):175–83

Increased percentage of activated Ia+ T lymphocytes in peripheral blood of neonates following exchange blood transfusion. Romano M, et al.

Clin Immunol Immunopathol 1987 Jun;43(3):301–7
Primary syngeneic sensitization on monolayers of thyroid epithelial cells. X. Inhibition of T-cell proliferative response by thyroglobulin-specific monoclonal antibodies. Salamero J, et al. **Clin Immunol Immunopathol** 1987 Apr; 43(1):34–47
Allogeneic fibroblasts and endothelial cells support mitogen but not antigen responses of tetanus-responsive T-cell lines. Shanahan WR Jr, et al. **Clin Immunol Immunopathol** 1987 May;43(2):204–10
Reconstitution of T- and B-cell function after T-lymphocyte-depleted haploidentical bone marrow transplantation in severe combined immunodeficiency due to adenosine deaminase deficiency. Silber GM, et al.
Clin Immunol Immunopathol 1987 Sep;44(3):317–20
Epstein-Barr virus (EBV) antigen-specific leukocyte migration inhibition (LMI) in infectious mononucleosis (IM). I. Kinetics and response to a membrane protein on EBV-transformed cells. Szigeti R, et al.
Clin Immunol Immunopathol 1986 Dec;41(3):342–50
Cellular immunity in patients with systemic juvenile rheumatoid arthritis. Tsokos GC, et al.
Clin Immunol Immunopathol 1987 Jan;42(1):86–92
Requirements for activation of human peripheral blood T cells by mouse monoclonal antibodies to CD3. Umetsu DT, et al. **Clin Immunol Immunopathol** 1987 Apr;43(1):48–64
Autologous mixed lymphocyte reaction in man. XX. The cellular and molecular basis of deficient T-T AMLR in aging humans. Vayuvegula B, et al.
Clin Immunol Immunopathol 1987 Sep;44(3):364–70
Suppressed colony formation of peripheral blood lymphocytes in a patient with somatostatinoma. Vehmeyer K, et al. **Clin Immunol Immunopathol** 1986 Nov;41(2):290–4
T-lymphocyte polyclonal proliferation: effects of stress and stress response style on medical students taking national board examinations. Workman EA, et al.
Clin Immunol Immunopathol 1987 Jun;43(3):308–13
In vitro and in vivo evidence that autoimmune reactivity to collagen develops spontaneously in Schistosoma mansoni-infected mice. Wyler DJ, et al.
Clin Immunol Immunopathol 1987 Aug;44(2):140–8
Transduction of signals in the activation of T lymphocytes: relation to leukemia. Hadden JW. **Clin Physiol Biochem** 1987;5(3–4):210–21
The role of the thymic microenvironment in promotion of early stages of human T cell maturation. Haynes BF.
Clin Res 1986 Sep;34(3):422–31
T and B peripheral blood lymphocytes in normal and lymphocytotic sheep. Djilali S, et al.
Comp Immunol Microbiol Infect Dis 1987;10(2):141–7
Influence of immunomodulators on T lymphocyte differentiation in ARC patients and resistance to LAV/HTLV III infection. Pompidou A, et al.
Comp Immunol Microbiol Infect Dis 1986;9(2–3):263–7
Hierarchies of epitope preference and the problem of Ir gene control. Sercarz EE. **Concepts Immunopathol** 1986;3:61–73
Immunotherapy of autoimmune disease with T cell subset specific antibodies. Sriram S, et al.
Concepts Immunopathol 1987;4:275–86 (35 ref.)
T lymphocyte autoimmunity in experimental autoimmune encephalomyelitis. Wekerle H, et al.
Concepts Immunopathol 1985;2:102–27 (79 ref.)
Immunosuppression following cardiac transplantation. Copeland JG, et al. **Contemp Anesth Pract** 1987;10:233–40
T-lymphocyte subsets in renal allograft recipients undergoing different immunosuppression protocols. Sumpio BE, et al.
Curr Surg 1986 Nov-Dec;43(6):502–5
Molecular features of class II MHC-restricted T-cell recognition of protein and peptide antigens: the importance of amphipathic structures. Berzofsky JA, et al.
Curr Top Microbiol Immunol 1986;130:13–24 (47 ref.)
Role of the LFA-1 molecule in B cell differentiation. Bishop GA, et al. **Curr Top Microbiol Immunol** 1986;132:142–7
Lymphokine regulation of murine IgE production. Coffman RL. **Curr Top Microbiol Immunol** 1986;132:127–32
Immune response to synthetic herpes simplex virus peptides: the feasibility of a synthetic vaccine. Heber-Katz E, et al.
Curr Top Microbiol Immunol 1986;130:51–64
Antigen presentation by B lymphocytes: a critical step in T-B collaboration. Lanzavecchia A.
Curr Top Microbiol Immunol 1986;130:65–78
Clearance of virus by T lymphocytes mediating delayed type hypersensitivity. Marker O, et al.
Curr Top Microbiol Immunol 1987;134:145–84
The value of synthetic peptides as vaccines for eliciting T-cell immunity. Schwartz RH.
Curr Top Microbiol Immunol 1986;130:79–85
Different maturation capabilities of chronic lymphocytic leukaemia lymphocytes in vitro. Rożynkowa D, et al.
Cytobios 1986;48(192):31–7
Lymphocytes and Langerhans cells in allergic patch tests. Kanerva L, et al. **Derm Beruf Umwelt** 1987 Jan-Feb; 35(1):17–9
The development of lymphocytes with T- or B-membrane determinants in the lizard embryo. el Deeb S, et al.
Dev Comp Immunol 1986 Summer;10(3):353–64
Treatment with anti-T-lymphocyte antibodies prevents induction of insulitis in mice given multiple doses of streptozocin. Herold KC, et al. **Diabetes** 1987 Jul; 36(7):796–801
Major histocompatibility complex restriction of T-lymphocyte responses to islet cell antigens in IDDM rats. Prud'homme GJ, et al. **Diabetes** 1987 Feb;36(2):237–9
Autoimmune diabetes in NOD mouse is L3T4 T-lymphocyte dependent. Wang Y, et al. **Diabetes** 1987 Apr;36(4):535–8
HLA and diabetes from a T-cell perspective. Segall M, et al. **Diabetes Metab Rev** 1987 Jul;3(3):803–18 (67 ref.)
Immunology in diabetic pregnancy: activated T cells in diabetic mothers and neonates. Di Mario U, et al.
Diabetologia 1987 Feb;30(2):66–71
Serial evaluation of lymphocyte function in bone marrow-grafted patients. D'Andrea AD, et al.
Diagn Immunol 1986;4(6):281–7
T cells in patients undergoing chronic hemodialysis: mitogenic response, suppressor activity, and interleukin-2 production and receptor generation. Raskova J, et al.
Diagn Immunol 1986;4(4):209–16
Immunological monitoring of bone marrow transplantation. Voltarelli JC, et al. **Diagn Immunol** 1986;4(4):171–93 (252 ref.)
Expression of T cell receptors by thymocytes: in situ staining and biochemical analysis. Cristanti A, et al. **EMBO J** 1986 Nov;5(11):2837–43
Perforin is present only in normal activated Lyt2+ T lymphocytes and not in L3T4+ cells, but the serine protease granzyme A is made by both subsets. Garcia-Sanz JA, et al. **EMBO J** 1987 Apr;6(4):933–8
Structural analysis of high- versus low-affinity interleukin-2 receptors by means of selective expression of distinct receptor classes. Gullberg M. **EMBO J** 1986 Sep; 5(9):2171–8
Primary structure of the T3 gamma subunit of the T3/T cell antigen receptor complex deduced from cDNA sequences: evolution of the T3 gamma and delta subunits. Krissansen GW, et al. **EMBO J** 1986 Aug;5(8):1799–808
Mapping of T cell epitopes using recombinant antigens and synthetic peptides. Lamb JR, et al. **EMBO J** 1987 May; 6(5):1245–9
Inducibility of interleukin-2 RNA expression in individual mature and immature T lymphocytes. McGuire KL, et al.
EMBO J 1987 Apr;6(4):939–46
Rearrangement of immunoglobulin heavy chain genes in human T leukaemic cells shows preferential utilization of the D segment (DQ52) nearest to the J region. Mizutani S, et al. **EMBO J** 1986 Dec 20;5(13):3467–73
Role of G-proteins in T cell activation: non-hydrolysable GTP analogues induce early ornithine decarboxylase activity in human T lymphocytes. Mustelin T, et al.
EMBO J 1986 Dec 1;5(12):3287–90
Restricted expression of EBV latent genes and T-lymphocyte-detected membrane antigen in Burkitt's lymphoma cells. Rowe DT, et al. **EMBO J** 1986 Oct; 5(10):2599–607
Nuclear factors binding specific sequences within the immunoglobulin enhancer interact differentially with other enhancer elements. Schlokat U, et al. **EMBO J** 1986 Dec 1;5(12):3251–8
T cell suppressor factor from human glioblastoma cells is a 12.5-kd protein closely related to transforming growth factor-beta. Wrann M, et al. **EMBO J** 1987 Jun;6(6):1633–6
Polymorphonuclear leukocyte, T-lymphocyte, and natural killer cell activities in elderly nursing home residents. Tsukayama D, et al. **Eur J Clin Microbiol** 1986 Aug; 5(4):468–71
Role of activated T lymphocytes in mycosis fungoides. Wehrmann W, et al. **Eur J Clin Microbiol** 1987 Apr; 6(2):210–1
Relationship between immune system and gram-negative bacteria, binding of Salmonella pullorum-gallinarum to chicken lymphocytes. Monno RA, et al.
Eur J Epidemiol 1986 Dec;2(4):294–9
An attempt to produce "pre-T" cell hybridomas and to identify their antigens. Aihara Y, et al. **Eur J Immunol** 1986 Nov;16(11):1391–9
Multiple T cell antigenic determinants identified within a limited region of the horse cytochrome c molecule. Baumhüter S, et al. **Eur J Immunol** 1987 May;17(5):651–6
T cell receptor beta chain gene rearrangements and V beta gene usage in horse cytochrome c-specific T cell hybridomas. Baumhüter S, et al. **Eur J Immunol** 1987 May; 17(5):657–61
Normal T splenocytes are able to induce immunoglobulin allotypic suppression in F1 hybrid mice. Benaroch P, et al. **Eur J Immunol** 1987 Feb;17(2):167–71
Interferon-gamma restores T lymphocyte proliferation of nonresponders to IgG1 anti-CD3 via the induction of Fc gamma 1 receptors on monocytes. Benichou G, et al.
Eur J Immunol 1987 Aug;17(8):1175–81
Idiotope-specific T cell clones that recognize syngeneic immunoglobulin fragments in the context of class II molecules. Bogen B, et al. **Eur J Immunol** 1986 Nov; 16(11):1373–8
Synthetic peptides and beta-chain gene rearrangements reveal a diversified T cell repertoire for a lambda light chain third hypervariable region. Bogen B, et al.
Eur J Immunol 1986 Nov;16(11):1379–84
Engineering of immunogenic peptides by co-linear synthesis of determinants recognized by B and T cells. Borras-Cuesta F, et al. **Eur J Immunol** 1987 Aug;17(8):1213–5
Purification and N-terminal amino acid sequence of the human T lymphocyte CD2 (T11) surface antigen. Brown MH, et al. **Eur J Immunol** 1987 Jan;17(1):15–20
T cell help in human antigen-specific antibody responses can be replaced by interleukin 2. Callard RE, et al.
Eur J Immunol 1986 Sep;16(9):1037–42
A novel 90-kDa polypeptide (Tp90) possibly involved in an antigen-independent pathway of T cell activation. Carrel S, et al. **Eur J Immunol** 1987 Jun;17(6):835–41
Involvement of the CD4 molecule in a post-activation event on T cell proliferation. Carrera AC, et al.
Eur J Immunol 1987 Feb;17(2):179–86
Functional activity in vivo of effector T cell populations. III. Protection against Moloney murine sarcoma virus (M-MSV)-induced tumors in T cell deficient mice by the adoptive transfer of a M-MSV-specific cytolytic T lymphocyte clone. Cerundolo V, et al. **Eur J Immunol** 1987 Feb;17(2):173–8
2.4G2, a monoclonal antibody to macrophage Fc gamma receptors, reacts with murine T cell Fc gamma receptors and IgG-binding factors. Daëron M, et al.
Eur J Immunol 1986 Dec;16(12):1545–50
Analysis of T cell responses to poly-L(GluLys) at the clonal level. I. Presence of responsive clones in nonresponder mice. De Kruyff RH, et al. **Eur J Immunol** 1987 Aug; 17(8):1115–20
Interleukin 2 pathway is autonomously activated in human T11+3-4-6-8- thymocytes. De la Hera A, et al.
Eur J Immunol 1987 May;17(5):683–7
T lymphocyte control of autoreactivity: analysis with human T cell clones and limiting dilution culture. Deusch K, et al. **Eur J Immunol** 1986 Nov;16(11):1433–8
Role of the major histocompatibility complex in targeting effector T cells into a site of virus infection [published erratum appears in Eur J Immunol 1986 Dec;16(12):1646] Doherty PC, et al. **Eur J Immunol** 1986 Oct;16(10):1237–42
Selective up-regulation by interferon-gamma of surface molecules of the Ly-6 complex in resting T cells: the Ly-6A/E and TAP antigens are preferentially enhanced. Dumont FJ, et al. **Eur J Immunol** 1987 Aug;17(8):1183–91
Effective activation of resting mouse T lymphocytes by cross-linking submitogenic concentrations of the T cell antigen receptor with either Lyt-2 or L3T4. Eichmann K, et al. **Eur J Immunol** 1987 May;17(5):643–50
Inhibition of interleukin 3 function by a fragment of the third component of complement. Fassbender B, et al.
Eur J Immunol 1987 May;17(5):695–700
Stable expression of Lyt-2 homodimers on L3T4+ T cell clones. Gallagher PF, et al. **Eur J Immunol** 1986 Nov; 16(11):1413–7
Identification of a uveitogenic cyanogen bromide peptide of bovine retinal S-antigen and preparation of a uveitogenic, peptide-specific T cell line. Gregerson DS, et al.
Eur J Immunol 1987 Mar;17(3):405–11
A monoclonal antibody reacting with a membrane determinant expressed on activated chicken T lymphocytes. Hála K, et al. **Eur J Immunol** 1986 Nov;16(11):1331–6
Detection of rearranged T cell receptor beta-chain gene and induction of cytolytic function in interleukin 2-responsive day 14-15 murine fetal thymocytes. Hardt C, et al.
Eur J Immunol 1986 Sep;16(9):1087–92
Functional and biochemical characteristics of a murine interleukin 2 receptor-inducing factor. Hardt C, et al.
Eur J Immunol 1987 Feb;17(2):209–16
Identification of interleukin 2-producing T helper cells within murine Lyt-2+ T lymphocytes: frequency, specificity and clonal segregation from Lyt-2+ precursors of cytotoxic T lymphocytes. Heeg K, et al.
Eur J Immunol 1987 Feb;17(2):229–36
L3T4+ T cells able to mediate parasite-specific delayed-type hypersensitivity play a role in the pathology of experimental Chagas' disease. Hontebeyrie-Joskowicz M, et al. **Eur J Immunol** 1987 Jul;17(7):1027–33
T11TS, the cell surface molecule binding to the "erythrocyte receptor" of T lymphocytes: cellular distribution, purification to homogeneity and biochemical properties. Hünig T, et al. **Eur J Immunol** 1986 Dec;16(12):1615–21
High efficiency antigen presentation by thyroglobulin-primed murine splenic B cells. Hutchings P, et al. **Eur J Immunol** 1987 Mar;17(3):393–8
Thymic immune response gene function in radiation chimeras reconstituted with purified hemopoietic stem cells. Kast WM, et al. **Eur J Immunol** 1987 Apr;17(4):471–5
Enumeration of T cells reactive with Mycobacterium tuberculosis organisms and specific for the recombinant mycobacterial 64-kDa protein. Kaufmann SH, et al.
Eur J Immunol 1987 Mar;17(3):351–7
Specific lysis of Listeria monocytogenes-infected macrophages by class II-restricted L3T4+ T cells. Kaufmann SH, et al. **Eur J Immunol** 1987 Feb;17(2):237–46
Soluble factors secreted by naturally occurring suppressor cells that interfere with in vivo graft-vs.-host disease and with T cell responsiveness in vitro. Knaan-Shanzer S, et al. **Eur J Immunol** 1987 Jun;17(6):827–34
Differences in the recruitment of virgin B cells into antibody responses to thymus-dependent and thymus-independent type-2 antigens. Lane PJ, et al. **Eur J Immunol** 1986 Dec; 16(12):1569–75
A new epitope of the T200 molecule family defined by the 3A35 monoclonal antibody and expressed by macrophages and activated T lymphocytes. Le Corre R, et al.
Eur J Immunol 1987 Mar;17(3):327–33
A synthetic vaccine constructed by copolymerization of B and T cell determinants. Leclerc C, et al.
Eur J Immunol 1987 Feb;17(2):269–73
T cells expressing delayed-type hypersensitivity can be derived from a humorally immune lymphocyte population.

LeClercq SA, et al. **Eur J Immunol** 1987 Jul;17(7):949–54

T90/44 (9.3 antigen). A cell surface molecule with a function in human T cell activation. Lesslauer W, et al. **Eur J Immunol** 1986 Oct;16(10):1289–96

Defective interleukin 2 receptor expression is associated with the T cell disfunction subsequent to bone marrow transplantation. López-Botet M, et al. **Eur J Immunol** 1987 Aug;17(8):1167–74

Expression of Pgp-1 (or Ly24) by subpopulations of mouse thymocytes and activated peripheral T lymphocytes. Lynch F, et al. **Eur J Immunol** 1987 Jan;17(1):137–40

Modulation of surface T11 molecules induced by monoclonal antibodies: analysis of the functional relationship between antigen-dependent and antigen-independent pathways of human T cell activation. Moretta A, et al. **Eur J Immunol** 1986 Nov;16(11):1427–32

T cell nature of some lymphokine-activated killer (LAK) cells. Frequency analysis of LAK precursors within human T cell populations and clonal analysis of LAK effector cells. Moretta L, et al. **Eur J Immunol** 1986 Dec; 16(12):1623–5

Blocking of interleukin 2 (IL 2) binding to the IL 2 receptor is not required for the in vivo action of anti-IL 2 receptor monoclonal antibody (mAb). I. The production, characterization and in vivo properties of a new mouse anti-rat IL 2 receptor mAb that reacts with an epitope different to the one that binds to IL 2 and the mAb ART-18. Mouzaki A, et al. **Eur J Immunol** 1987 Mar; 17(3):335–41

A T cell clone which responds to interleukin 2 but not to interleukin 4. Müller W, et al. **Eur J Immunol** 1987 Apr; 17(4):579–80

The effect of skin allograft survival of a monoclonal antibody specific for a polymorphic CD3-like cell surface molecule in rhesus monkeys. Nooij FJ, et al. **Eur J Immunol** 1987 Aug;17(8):1089–93

Anti-CD2 (sheep red blood cell receptor) monoclonal antibodies and T cell activation. I. Pairs of anti-T11.1 and T11.2 (CD2 subgroups) are strongly mitogenic for T cells in presence of 12-O-tetradecanoylphorbol 13-acetate. Olive D, et al. **Eur J Immunol** 1986 Sep;16(9):1063–8

Signal transducing mechanisms involved in human T cell activation via surface T44 molecules. Comparison with signals transduced via the T cell receptor complex. Pantaleo G, et al. **Eur J Immunol** 1986 Dec;16(12):1639–42

Transmembrane signalling via the T11-dependent pathway of human T cell activation. Evidence for the involvement of 1,2-diacylglycerol and inositol phosphates. Pantaleo G, et al. **Eur J Immunol** 1987 Jan;17(1):55–60

Plasmodium falciparum-specific human T cell clones: recognition of different parasite antigens. Pink JR, et al. **Eur J Immunol** 1987 Feb;17(2):193–6

CD3+ WT31- peripheral T lymphocytes lack T44 (CD28), a surface molecule involved in activation of T cells bearing the alpha/beta heterodimer. Poggi A, et al. **Eur J Immunol** 1987 Jul;17(7):1065–8

Accessory molecules and T cell activation. II. Antibody binding to L3T4a inhibits Ia-independent mouse T cell proliferation. Pont S, et al. **Eur J Immunol** 1987 Mar; 17(3):429–32

Induction of interferon-gamma production and Ia expression by interleukin 1 in bone marrow culture cells. Puri J, et al. **Eur J Immunol** 1987 Feb;17(2):223–8

Alternative pathway of complement activation by stimulated T lymphocytes. II. Elevation of cytotoxic potential against complement receptor-carrying cell lines. Ramos OF, et al. **Eur J Immunol** 1987 Jul;17(7):975–9

T cell activation by anti-idiotypic antibody: mechanism of interaction with antigen-reactive T cells. Rees AD, et al. **Eur J Immunol** 1987 Feb;17(2):197–201

Accessory molecules and T cell activation. I. Antigen receptor avidity differentially influences T cell sensitivity to inhibition by monoclonal antibodies to LFA-1 and L3T4. Regnier-Vigouroux A, et al. **Eur J Immunol** 1986 Nov;16(11):1385–90

Synthesis and cell surface display of class II determinants by long-term propagated rat T line cells. Reske K, et al. **Eur J Immunol** 1987 Jul;17(7):909–14

Antigen presentation by hapten-specific B lymphocytes. III. Analysis of the immunoglobulin-dependent pathway of antigen presentation to interleukin 1-dependent T lymphocytes. Rock KL, et al. **Eur J Immunol** 1986 Nov; 16(11):1407–12

Recognition of alloantigens and induction of experimental allergic encephalomyelitis by a murine encephalitogenic T cell clone. Sakai K, et al. **Eur J Immunol** 1987 Jul; 17(7):955–60

The role of L3T4+ cells in the pathogenesis of lupus in lpr-bearing mice. I. Defects in the production of interleukins 2 and 3. Santoro TJ, et al. **Eur J Immunol** 1987 Aug;17(8):1131–6

Alternative pathway of complement activation by stimulated T lymphocytes. I. Binding of C3 fragments. Sármay G, et al. **Eur J Immunol** 1987 Jul;17(7):969–74

Analysis of T cell-replacing factor-like activity: potent induction of T helper activity for human B cells by residual concanavalin A and interleukin 2. Sauerwein RW, et al. **Eur J Immunol** 1987 Aug;17(8):1145–50

The murine homologue of the T lymphocyte CD2 antigen: molecular cloning, chromosome assignment and cell surface expression. Sewell WA, et al. **Eur J Immunol** 1987 Jul;17(7):1015–20

Cyclosporin A does not affect the in vitro induction of antigen-specific delayed-type hypersensitivity-mediating T cells. Shidani B, et al. **Eur J Immunol** 1987 Feb; 17(2):291–4

Bone marrow pro-T and pro-B lymphocyte clones express functional receptors for interleukin (IL) 3 and IL 4/BSF-1 and nonfunctional receptors for IL 2. Sideras P, et al. **Eur J Immunol** 1987 Feb;17(2):217–21

Plasmodium falciparum-specific human T cell clones: evidence for helper and cytotoxic activities. Sinigaglia F, et al. **Eur J Immunol** 1987 Feb;17(2):187–92

Sialylation patterns of lymphocyte function-associated antigen 1 (LFA-1) differ between T and B lymphocytes. Takeda A. **Eur J Immunol** 1987 Feb;17(2):281–6

Induction of suppression following autologous mixed lymphocyte reaction; role of a novel 2H4 antigen. Takeuchi T, et al. **Eur J Immunol** 1987 Jan;17(1):97–103

A single amino acid substitution in influenza hemagglutinin abrogates recognition by monoclonal antibody and a spectrum of subtype-specific L3T4+ T cell clones. Thomas DB, et al. **Eur J Immunol** 1987 Jan;17(1):133–6

Shared idiotopes between anti-class II monoclonal antibodies and major histocompatibility complex recognition site of T cells. Tsuji M, et al. **Eur J Immunol** 1987 May; 17(5):675–81

Immune serum from mice contact-sensitized with picryl chloride contains an antigen-specific T cell factor that transfers immediate cutaneous reactivity. Van Loveren H, et al. **Eur J Immunol** 1986 Oct;16(10):1203–8

Activation of T cells by cross-linking an anti-CD3 antibody with a second anti-T cell antibody: mechanism and subset-specific activation. Walker C, et al. **Eur J Immunol** 1987 Jun;17(6):873–80

Cell surface and cell cycle analysis of metal-induced murine T cell proliferation. Warner GL, et al. **Eur J Immunol** 1986 Nov;16(11):1337–42

Sequence analysis of a cDNA clone of a gene encoding a component of a putative phosphorylcholine-specific T suppressor factor and functional property of its gene product. Yamasaki N, et al. **Eur J Immunol** 1987 Feb; 17(2):247–53

T cell clones which share T cell receptor epitopes differ in phenotype, function and specificity. Yssel H, et al. **Eur J Immunol** 1986 Oct;16(10):1187–93

T cell involvement in the decrease of antigen-responsive B cells in aged mice. Zharhary D. **Eur J Immunol** 1986 Sep; 16(9):1175–8

Activated T cells in normal pregnant women and neonates. Gargiulo P, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Nov;23(3–4):127–35

The selective activation of T8+ cells by neuraminidase and galactose oxidase is mediated by activated T4+ cells. Akeson AL, et al. **Exp Cell Res** 1987 May;170(1):129–46

Induction of the pyridine nucleotide synthesis pathway in mitogen-stimulated human T-lymphocytes. Berger SJ, et al. **Exp Cell Res** 1987 Mar;169(1):149–57

Treatment of aplastic anemia with antithymocyte globulin, high-dose corticosteroids, and androgens. Doney K, et al. **Exp Hematol** 1987 Mar;15(3):239–42

Evidence for two distinct mechanisms in acute fatal graft-versus-host reaction across minor histocompatibility barriers. OKunewick JP, et al. **Exp Hematol** 1987 May; 15(4):365–72

Plasmodium falciparum: sporozoite boosting of immunity due to a T-cell epitope on a sporozoite vaccine. Hoffman SL, et al. **Exp Parasitol** 1987 Aug;64(1):64–70

Virus-immune T cells and the major histocompatibility complex: evolution of some basic concepts over the past two years. Doherty PC. **Experientia** 1986 Sep 15; 42(9):972–7 (108 ref.)

Biological role of major transplantation antigens in T cell self-recognition. Zinkernagel RM. **Experientia** 1986 Sep 15;42(9):970–2 (26 ref.)

Production of the constant domain of murine T-cell receptor beta-chain in Escherichia coli. Kuwana Y, et al. **FEBS Lett** 1987 Jul 27;219(2):360–4

Use of a receptor competition assay to explore the interaction of the T cell antigen-specific receptor with its ligands. Ashwell JD, et al. **Fed Proc** 1987 Jan;46(1):183–9 (34 ref.)

Immunological activities of muramyl peptides. Bahr GM, et al. **Fed Proc** 1986 Oct;45(11):2541–4

Human T cell clones reactive with hepatitis B virus (HBV) surface antigen from a HBV vaccine recipient. Nonomura A, et al. **Gastroenterol Jpn** 1987 Apr;22(2):158–65

Histogenesis of malignant histiocytosis of the intestine [letter] Salter DM, et al. **Gastroenterology** 1987 Jun;92(6):2050–1

Organ weights, T-cell proliferation, and graft vs host capabilities of hypothyroidic chickens. Scott T, et al. **Gen Comp Endocrinol** 1987 Aug;67(2):270–6

A T cell model for age-related loss of homeostasis: identification of the cell type responsible for age-related delay in recovery of the PHA-induced mitogenic response from radiation injury. Peterson WJ, et al. **Gerontology** 1986; 32(5):261–71

T-cell depletion with the monoclonal antibody Campath 1 to prevent graft-versus-host disease in ten high-risk adult patients. Bandini G, et al. **Haematologica (Pavia)** 1986 Jul-Aug;71(4):307–11

Immunophenotypic characterization and classification of T-acute lymphoblastic leukemia. Report of 30 cases. Ferrara F, et al. **Haematologica (Pavia)** 1987 May-Jun; 72(3):227–31

Use of locally injected anti-T monoclonal antibodies in the treatment of acute corneal graft rejection. Ippoliti G, et al. **Haematologica (Pavia)** 1987 Jan-Feb;72(1):55–9

Karyotype, immunophenotype, and clinical outcome: correlations in childhood acute lymphoblastic leukemia. Gregoire MJ, et al. **Hamatol Bluttransfus** 1987;30:504–8

Expression of CD-15 antigen on leukemic cells--a new prognostic factor for ability to achieve complete remission and for survival in ANLL. Hołowiecki J, et al. **Hamatol Bluttransfus** 1987;30:361–4

Anti-thymocyte globulin therapy of hematologic disorders. Magno J, et al. **Hawaii Med J** 1987 Mar;46(3):85–91

An immunocytochemical study of T-cell lymphomas using monoclonal and polyclonal antibodies effective in routinely fixed wax embedded tissues. Norton AJ, et al. **Histopathology** 1986 Dec;10(12):1243–60

How lymphocytes kill tumor and other cellular targets. DiNome MA, et al. **Hosp Pract [Off]** 1987 May 30; 22(5A):59–66

The gene coding for the human T-lymphocyte CD2 antigen is located on chromosome 1p. Brown MH, et al. **Hum Genet** 1987 Jun;76(2):191–5

Growth of large chromosomally abnormal T cell clones in ataxia telangiectasia patients is associated with translocation at 14q11. A model for other T cell neoplasia. Hollis RJ, et al. **Hum Genet** 1987 Aug;76(4):389–95

A unique epitope on the CD2 molecule defined by the monoclonal antibody 9-1: epitope-specific modulation of the E-rosette receptor and effects on T-cell functions. Bernard A, et al. **Hum Immunol** 1986 Dec;17(4):388–405

A family of T-cell receptor molecules expressed on T-cell clones with different specificities for allomajor histocompatibility antigens. Borst J, et al. **Hum Immunol** 1986 Dec;17(4):426–42

Presentation of soluble antigen to human T cells by products of multiple HLA-linked loci: analysis of antigen presentation by a panel of cloned, autologous, HLA-mutant Epstein-Barr virus-transformed lymphoblastoid cell lines. Chen BP, et al. **Hum Immunol** 1987 Jan;18(1):75–91

Activated human T cells can present denatured antigen. Gerrard TL, et al. **Hum Immunol** 1986 Dec;17(4):416–25

Resistance to suppression and acquisition of memory by human T cells. Goeken NE, et al. **Hum Immunol** 1986 Nov; 17(3):250–8

Comparison of HLA-Dw1 and -Dw2 positive adherent cells in antigen presentation to heterozygous T-cell lines: a low rubella antigen-specific response associated with HLA-Dw2 [published erratum appears in Hum Immunol 1987 Mar;18(3):257] Ilonen J, et al. **Hum Immunol** 1986 Oct;17(2):94–101

T-cell recognition of influenza viral antigens. Lamb JR, et al. **Hum Immunol** 1987 Jun;19(2):79–89 (58 ref.)

Dw subtypes of serologically defined DR-DQ specificities restrict recognition of cytomegalovirus. Linner KM, et al. **Hum Immunol** 1986 Oct;17(2):79–86

Differential antigen presentation by heat-treated peripheral blood mononuclear cells and Epstein-Barr virus-transformed lymphoblastoid cell lines (EBV-LCL): heated EBV-LCL present alloantigen and soluble antigen but are deficient in the stimulation of autologous EBV-LCL primed T cells. Mandell RB, et al. **Hum Immunol** 1987 Jul;19(3):163–77

LFA-1 and other accessory molecules functioning in adhesions of T and B lymphocytes. Martz E. **Hum Immunol** 1987 Jan;18(1):3–37 (236 ref.)

Increased density of class I major histocompatibility complex antigens and decreased density of T-cell differentiation antigens in the early stages of T-cell activation. Matsui Y. **Hum Immunol** 1987 Feb;18(2):123–33

Importance of HLA-DQ and -DP restriction elements in T-cell responses to soluble antigens: mutational analysis. Mellins E, et al. **Hum Immunol** 1987 Mar;18(3):211–23

Major histocompatibility complex (MHC) restricted antigen recognition: high frequency of human T-cell clones recognizing novel MHC class II determinants. Nisbet-Brown E, et al. **Hum Immunol** 1987 May; 19(1):41–52

The T-cell receptor-T3 complex and T-lymphocyte activation. Oettgen HC, et al. **Hum Immunol** 1987 Mar; 18(3):187–204 (142 ref.)

Human medullary thymocyte p80 antigen and In(Lu)-related p80 antigen reside on the same protein. Telen MJ, et al. **Hum Immunol** 1986 Nov;17(3):311–24

Alloreactive T-cell recognition of two DQ beta allelic specificities associated with DQw1. Zeevi A, et al. **Hum Immunol** 1987 Mar;18(3):225–34

Production of monoclonal antibodies specific to theophylline-treated lymphocytes. Marcovina S, et al. **Hybridoma** 1987 Aug;6(4):403–11

A monoclonal antibody, GR7A4, reacting with the T10 antigen. Ruiz-Cabello F, et al. **Hybridoma** 1987 Jun; 6(3):275–84

Potential uses of interleukin 2 in cancer therapy. Cheever MA, et al. **Immunobiology** 1986 Sep;172(3–5):365–82

The influence of oxazolone on the recirculation capacity of B and T cells. Kraal G, et al. **Immunobiology** 1987 May; 174(3):326–38

A simple index relating clinical activity in Crohn's disease with T cell activation: hematocrit, frequency of liquid stools and urinary neopterin as parameters. Reibnegger G, et al. **Immunobiology** 1986 Oct;173(1):1–11

Regulation of IL 2 expression in mitogen-activated murine T lymphocytes. Swoboda R, et al. **Immunobiology** 1987 May;174(3):300–12

Mouse candidiasis. II. Host responses are T-cell dependent and regulated by genes in the major histocompatibility complex. Ashman RB. **Immunogenetics** 1987;25(3):200–3

Functional requirements of (Phe, G)-A--L-specific T-cell clones of (H-2b X H-2k)F1 origin. Axelrod O, et al. **Immunogenetics** 1986;24(6):386–90

Differential effect of hybrid resistance on the localization of virus-immune effector T cells to spleen and brain. Doherty PC, et al. **Immunogenetics** 1986;24(6):409–15

Influence of the H-2u haplotype on immune function in F1 hybrid mice. II. F1 antiparent mixed lymphocyte reactivity. Fritz RB, et al. **Immunogenetics** 1987;25(3):161–6

HLA-DQw3 dissected by cloned alloreactive T cells. Pawelec G, et al. **Immunogenetics** 1987;25(5):356–8

Qa alloantigen expression on functional T lymphocytes from spleen and thymus. Rabinowitz R, et al. **Immunogenetics** 1986;24(6):391–401

Human allospecific TLCs generated against HLA antigens associated with DR1 through DRw8. II. Population analyses and blocking studies with monoclonal antibodies. Rosen-Bronson S, et al. **Immunogenetics** 1986;24(5):286–97

Gene transfection of the HuLy-m2 (Leu-9) antigen into mouse L cells. Sandrin MS, et al. **Immunogenetics** 1987; 25(5):279–83

Further definition of the Ly-5 system. Shen FW, et al. **Immunogenetics** 1986;24(3):146–9

Functional relationships between HLA-DR2-short/FJO, DB9, and AZH as defined by DR- and DQ-restricted influenza-specific cloned T cells. Zeliszewski D, et al. **Immunogenetics** 1987;26(1–2):107–10

An antiviral T-cell clone defines a functional supertypic specificity shared by different HLA-DR molecules from DR2-short, DRw11, and DRw13 haplotypes. Zeliszewski D, et al. **Immunogenetics** 1987;25(2):84–90

Immunological competence of patients in remission from acute leukaemia: apparently normal T cell function but defective pokeweed mitogen-driven immunoglobulin synthesis. Ashman LK, et al. **Immunol Cell Biol** 1987 Apr; 65 (Pt 2):201–10

The cytotoxic response to murine cytomegalovirus: requirements for the generation of MCMV-specific target cells. Sinickas VG, et al. **Immunol Cell Biol** 1987 Apr;65 (Pt 2):173–82

Human T lymphocyte colonies require IL2 and are inhibited by anti-Tac. Woods GM, et al. **Immunol Cell Biol** 1987 Feb;65 (Pt 1):97–101

Release of Thy-1 from human and murine T-cell lines by a specific phospholipase. Tung E, et al. **Immunol Invest** 1986 Dec;15(8):777–90

T-cell independent transfer of organized granuloma formation. Epstein WL, et al. **Immunol Lett** 1986 Nov 17; 14(1):59–63

Detection of CD1 positive cells in the peripheral blood of patients suffering from cancer-associated malnutrition. Garraud O, et al. **Immunol Lett** 1987 May;15(1):73–6

The effects of cyclosporin A on the early responses of B and T cells to Epstein-Barr virus infection. Irving WL, et al. **Immunol Lett** 1986 Oct;13(4):173–8

Human T cell subsets differ in their ability to migrate in vitro and to produce T cell migration inhibitory factor. Kowalczyk D, et al. **Immunol Lett** 1986 Aug;13(1–2):33–8

IFN-gamma is not an essential mediator of murine antibody responses in vitro. Latta SL, et al. **Immunol Lett** 1987 Apr; 14(4):355–8

Clonal analysis of T cell responses to herpes simplex virus: a HSV-specific, non cytolytic T cell clone displays specific helper activity for T cell response in vitro. Leung KN, et al. **Immunol Lett** 1986 Aug;13(1–2):55–61

Generation of phenotypically different T cell populations by cell-free or cell-bound preparations of varicella zoster virus. Ndumbe PM, et al. **Immunol Lett** 1986 Oct; 13(4):191–5

Impairment of immune function after cessation of long-term chronic stress. Odio M, et al. **Immunol Lett** 1986 Aug; 13(1–2):25–31

In vitro sensitization using thymocyte conditioned medium prepared from fetal calf, horse and rabbit sera. White LL, et al. **Immunol Lett** 1987 Jan;14(2):87–9

T cell-mediated mechanisms in autoimmune thyroiditis. Canonica GW, et al. **Immunol Res** 1986;5(4):305–13 (39 ref.)

Dynamics of allospecific T lymphocyte infiltration in vascularized human allografts. Fung JJ, et al. **Immunol Res** 1986;5(2):149–63

Regulation of T cell activation by leukotriene B4. Goodwin JS. **Immunol Res** 1986;5(3):233–48 (69 ref.)

Antigen-major histocompatibility complex-T cell receptors: inquiries into the immunological ménage à trois. Klein J. **Immunol Res** 1986;5(3):173–90 (71 ref.)

Analysis of the function of L3T4+ T cells by in vivo treatment with monoclonal antibody to L3T4. Wofsy D, et al. **Immunol Res** 1986;5(2):97–105

Co-expression of CD4 and CD8 molecules and de novo expression of MHC class II antigens on activated rat T cells. Bevan DJ, et al. **Immunology** 1986 Dec;59(4):621–5

Immune response to foot-and-mouth disease virus in a murine experimental model: effective thymus-independent primary and secondary reaction. Borca MV, et al. **Immunology** 1986 Oct;59(2):261–7

Human T lymphocytes expressing a defined T-cell antigen receptor family specifically kill the hybridoma that makes the anti-receptor monoclonal antibody. Boylston AW, et al. **Immunology** 1986 Nov;59(3):383–7

The response of T cells to soluble protein antigens and fixed antigen-presenting cells. Bujdoso R, et al. **Immunology** 1986 Sep;59(1):51–5

Delineation of two defects responsible for T-cell hyporesponsiveness to concanavalin A in MRL congenic mice. Cameron R, et al. **Immunology** 1986 Oct;59(2):187–93

Increased interleukin-2 receptor expression after mitogen stimulation on CD4- and CD8-positive lymphocytes and decreased interleukin-2 production in HTLV-III antibody-positive symptomatic individuals. Creemers PC, et al. **Immunology** 1986 Dec;59(4):627–9

Dual regulation of anti-bacterial resistance and inflammatory neutrophil and macrophage accumulation by L3T4+ and Lyt 2+ Listeria-immune T cells. Czuprynski CJ, et al. **Immunology** 1987 Feb;60(2):287–93

T cells or their products are required for the differentiation of precursor B cells into antibody-secreting cells specific for a supposed T-independent self-antigen. Daenke S, et al. **Immunology** 1987 Jun;61(2):137–42

Effect of cytokines on specific in vitro immunization of human peripheral B lymphocytes against T-cell dependent antigens. Danielsson L, et al. **Immunology** 1987 May; 61(1):51–5

Functional characterization of Con A-responsive Lyt2-positive mouse small intestinal intraepithelial lymphocytes. Dillon SB, et al. **Immunology** 1986 Nov; 59(3):389–96

Functional differences and complementation between dendritic cells and macrophages in T-cell activation. Guidos C, et al. **Immunology** 1987 Jul;61(3):269–76

A role of L3T4+ antigen in the Con A response of regenerating splenic L3T4+ T cells after Cy treatment. Ikezawa Z, et al. **Immunology** 1987 Mar;60(3):375–82

Immunocompetence of normal human appendiceal lymphoid cells: in vitro studies. Kawanishi H. **Immunology** 1987 Jan; 60(1):19–28

Acquisition of cell-mediated immunity to Leishmania. I. Primary T-cell activation detected by IL-2 receptor expression. Kaye PM. **Immunology** 1987 Jul;61(3):345–9

A novel approach to the identification of T-cell epitopes in Mycobacterium tuberculosis using human T-lymphocyte clones. Lamb JR, et al. **Immunology** 1987 Jan;60(1):1–5

A monoclonal antibody recognizing the p150/95 leucocyte differentiation antigen. MacDonald SM, et al. **Immunology** 1986 Nov;59(3):427–31

Modulation in vivo of Lyt 2 antigen expression on T cells by anti-Lyt 2 antibody: effects on Con A-induced unresponsiveness. MacDonald TT, et al. **Immunology** 1986 Oct;59(2):181–6

Human T lymphocytes stimulated by phytohaemagglutinin undergo a single round of cell division without a requirement for interleukin-2 or accessory cells. Mire-Sluis AR, et al. **Immunology** 1987 Jan;60(1):7–12

Functional heterogeneity of CD4+ T lymphocytes: two subpopulations with counteracting immunoregulatory functions identified with the monoclonal antibodies WR16 and WR19. Moore K, et al. **Immunology** 1987 Jun; 61(2):159–65

The roles of interleukins in the synergistic effect of B-cell mitogens with concanavalin A on hydrocortisone-resistant thymic cell proliferation. Nitta T, et al. **Immunology** 1986 Oct;59(2):209–16

Polymorphism for RhT3, a CD3-like cell surface antigen, expressed on rhesus monkey T lymphocytes. Nooij FJ, et al. **Immunology** 1986 Dec;59(4):611–20

Regulation of human tonsillar T-cell proliferation by the active metabolite of vitamin D3. Nunn JD, et al. **Immunology** 1986 Dec;59(4):479–84

The effects of Con A-induced lymphokines from the T-lymphocyte subpopulations on human monocyte leishmanicidal capacity and H2O2 production. Passwell JH, et al. **Immunology** 1986 Oct;59(2):245–50

T-cell hybridomas specific for self and foreign thyroglobulins. Rayner DC, et al. **Immunology** 1987 Feb; 60(2):231–7

T-cell activation by anti-idiotypic antibody: evidence for the internal image. Rees AD, et al. **Immunology** 1987 Mar; 60(3):389–93

Presence of antigenic determinants common to Fc IgE receptors on human macrophages, T and B lymphocytes and IgE-binding factors. Sarfati M, et al. **Immunology** 1986 Dec;59(4):569–75

Biochemical characterization of the T-cell alloantigen RT-6.2. Thiele HG, et al. **Immunology** 1986 Oct; 59(2):195–201

An IgM-producing immunocytoma induces large numbers of splenic T lymphocytes with Fc mu receptors. Uher F, et al. **Immunology** 1987 Jul;61(3):327–32

Heterogeneity in the activation requirements of T cells stimulated by phytohaemagglutinin. Warren HS, et al. **Immunology** 1987 Jun;61(2):167–72

Antigen-specific T-cell hyporesponsiveness in MRL congenic mice can be explained by two independent cellular defects. Waterfield JD, et al. **Immunology** 1987 Jun; 61(2):173–8

OKT3-activated locomotion of human blood lymphocytes: a phenomenon requiring contact of T cells with Fc receptor-bearing cells. Wilkinson PC, et al. **Immunology** 1987 Mar;60(3):445–51

T lymphocytes respond to solid-phase antigen: a novel approach to the molecular analysis of cellular immunity. Young DB, et al. **Immunology** 1986 Oct;59(2):167–71

Immunoregulatory effects of fraction 5 thymus peptides. I. Thymosin alpha 1 enhances while thymosin beta 4 suppresses the human autologous and allogeneic mixed lymphocyte reaction. Baxevanis CN, et al. **Immunopharmacology** 1987 Apr;13(2):133–41

T cell mitogenicity of a novel beta-D-galactoside-specific lectin from the beetle, Allomyrina dichotoma (allo A). Kimura S, et al. **Immunopharmacology** 1987 Jun;13(3):181–8

Immunomodulation by RS-2131, a new non-steroidal antiinflammatory drug. Kobayashi K, et al. **Immunopharmacology** 1986 Dec;12(3):213–20

Suppressive effect of thymosin fraction 5 on proliferation of cultured human T lymphocytes. Wolf RE, et al. **Immunopharmacology** 1986 Dec;12(3):233–40

Total and 'active' E-rosette forming T lymphocytes in case of lymphoma: a preliminary communication. Kumar R, et al. **Indian J Cancer** 1986 Sep;23(3):185–91

A possible role for E-receptor in immunosuppression in leprosy. Muthukkaruppan VR. **Indian J Lepr** 1986 Jul-Sep; 58(3):389–94

Tr, T mu and B lymphocytes in erythema nodosum leprosum reactions of leprosy. Rao TD, et al. **Indian J Lepr** 1986 Oct-Dec;58(4):601–8

Cell-mediated immune responses in drug-suppressed simian Plasmodium knowlesi infection. Biswas S, et al. **Indian J Malariol** 1986 Dec;23(2):123–6

Preliminary observations on immunologic phenotypes of non-Hodgkin's lymphoma in Indian subjects. Bhargava M, et al. **Indian J Med Res** 1987 Mar;85:289–91

Cell mediated immunity in tuberculoid leprosy--a study of 'T' lymphocyte population by 'E' rosetty technique. Behra RN, et al. **Indian J Public Health** 1986 Apr-Jun;30(2):85–90

In vivo and in vitro characterization of murine T-cell clones reactive to Mycobacterium tuberculosis. Boom WH, et al. **Infect Immun** 1987 Sep;55(9):2223–9

Development and characterization of Histoplasma capsulatum-reactive murine T-cell lines and clones. Deepe GS Jr, et al. **Infect Immun** 1986 Dec;54(3):714–22

Dissociation between delayed-type hypersensitivity and resistance to pathogenic mycobacteria demonstrated by T-cell clones. Hussein S, et al. **Infect Immun** 1987 Mar; 55(3):564–7

Function and antigen recognition pattern of L3T4+ T-cell clones from Mycobacterium tuberculosis-immune mice. Kaufmann SH, et al. **Infect Immun** 1986 Nov;54(2):291–6

Anti-L3T4 antibody treatment suppresses hepatic granuloma formation and abrogates antigen-induced interleukin-2 production in Schistosoma mansoni infection. Mathew RC, et al. **Infect Immun** 1986 Dec;54(3):820–6

Impaired resistance to Mycobacterium tuberculosis infection after selective in vivo depletion of L3T4+ and Lyt-2+ T cells. Müller I, et al. **Infect Immun** 1987 Sep; 55(9):2037–41

Eosinophil chemotactic lymphokine produced by egg-associated granulomas in murine schistosomiasis japonicum. Owhashi M, et al. **Infect Immun** 1986 Dec; 54(3):723–7

Inhibition of immediate and Arthus responses to schistosome egg antigens by T cells from Schistosoma japonicum-infected mice. Stavitsky AB, et al. **Infect Immun** 1986 Nov;54(2):590–2

Treponemal infection specifically enhances node T-cell regulation of macrophage activity. Tabor DR, et al. **Infect Immun** 1986 Oct;54(1):21–7

A factor potentiating antibody formation spontaneously produced by splenic T cells of MRL/MP-lpr/lpr mice. Ashiba T, et al. **Int Arch Allergy Appl Immunol** 1987; 83(3):315–20

Immunological monitoring and early prediction of rejection in renal allograft recipients. Attallah AM, et al. **Int Arch Allergy Appl Immunol** 1987;84(1):10–7

T cell activation surface markers and autologous mixed lymphocyte reaction do not differ in true and pseudo food allergy. Dirienzo W, et al. **Int Arch Allergy Appl Immunol** 1987;83(2):193–7

Distribution of a guinea pig lymphocyte cell surface antigen of defined function, as detected by the mouse monoclonal antibody MSgp 1. Healey DG, et al. **Int Arch Allergy Appl Immunol** 1987;82(2):113–9

Alterations in the proliferative response of T cells from aged and chimeric mice. Iwashima M, et al. **Int Arch Allergy Appl Immunol** 1987;83(2):129–37

Effect of serotonin on T lymphocyte proliferation in vitro in healthy individuals. Khan IA, et al. **Int Arch Allergy Appl Immunol** 1986;81(4):378–80

Accessory molecules in T lymphocyte activation. Miller JF. **Int Arch Allergy Appl Immunol** 1987;82(3–4):302–6 (18 ref.)

Infectious mononucleosis: increase of high-affinity E-receptor-bearing lymphocytes. Naess A, et al. **Int Arch Allergy Appl Immunol** 1987;83(2):178–81

Recovery mechanisms from experimental allergic encephalomyelitis in rats: analyses by using encephalitogenic T cell line. Namikawa T, et al. **Int Arch Allergy Appl Immunol** 1987;83(4):366–70

Modulating effect of beta-endorphin, somatostatin, substance P and vasoactive intestinal peptide on the proliferative response of peripheral blood T lymphocytes of nickel-allergic patients to nickel sulfate. Nordlind K, et

al. **Int Arch Allergy Appl Immunol** 1986;81(4):368–70

Differential effect of experimental diabetes on the early and late phase of contact sensitivity reaction in mice. Ptak W, et al. **Int Arch Allergy Appl Immunol** 1986;81(2):136–40

In vitro IgE synthesis induced by human T cell clones in normal B cells and its suppression by heterogenous T cell populations. Romagnani S, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):411–3

Purification, identification and elimination of a natural human serum antibody with cytotoxic effect on guinea pig thymocytes. Sandberg G, et al. **Int Arch Allergy Appl Immunol** 1987;83(1):57–63

Mitogenic responses of splenic B and T lymphocytes in neonatally capsaicin-treated mice. Sandberg G, et al. **Int Arch Allergy Appl Immunol** 1986;81(4):343–7

T cell reactivity of conjugates of N-formyl-methionyl-leucyl-phenylalanine and rye-grass pollen allergens. Wheeler AW, et al. **Int Arch Allergy Appl Immunol** 1987;84(1):69–73

A comparison of fresh and cultured T lymphocytes from patients with ataxia telangiectasia using T-cell subset markers and chromosome translocations. Butterworth SV, et al. **Int J Cancer** 1987 Jun 15;39(6):678–84

In vitro susceptibility of different human T-cell subpopulations and resistance of large granular lymphocytes to HTLV-I infection. Macchi B, et al. **Int J Cancer** 1987 Jul 15;40(1):1–6

Role of MHC class-I antigens and the CD3 complex in the lysis of autologous human tumours by T-cell clones. Roberts TE, et al. **Int J Cancer** 1987 Apr 15;39(4):436–41

HTLV-III infection of EBV-genome-positive B-lymphoid cells with or without detectable T4 antigens. Salahuddin SZ, et al. **Int J Cancer** 1987 Feb 15;39(2):198–202

Autologous mixed lymphocyte-tumor reaction and autologous mixed lymphocyte reaction. I. Proliferation of two distinct T-cell subsets. Uchida A, et al. **Int J Cancer** 1987 Aug 15;40(2):165–70

Predictors of clinical AIDS in young homosexual men in a high-risk area. Detels R, et al. **Int J Epidemiol** 1987 Jun; 16(2):271–6

Characterization of PHA and anti-T3 induced transduction mechanisms in a human T-cell leukaemia line. Ng J, et al. **Int J Immunopharmacol** 1987;9(1):17–22

Enhancement of lymphocyte proliferation, interleukin-2 production and NK activity by inmunoferon (AM-3), a fungal immunomodulator: variations in normal and immunosuppressed mice. Rojo JM, et al. **Int J Immunopharmacol** 1986;8(6):593–7

Selective effects of human cord serum on distinct events of the lectin-induced activation and proliferation of thymic T-cells. Simić MM, et al. **Int J Immunopharmacol** 1986; 8(7):763–71

Modulatory effects of glucocorticoids on immunoregulatory functions of epidermal cells. Stošić-Grujičić S, et al. **Int J Immunopharmacol** 1987;9(5):577–85

Thymosin fraction 5: effects on T cell functions in mice immunosuppressed by severe dietary protein deficiency. Watson RR, et al. **Int J Immunopharmacol** 1986;8(6):545–52

Immunopharmacological actions of an extract isolated from inflamed skin of rabbits inoculated with vaccinia virus (neurotropin); enhancing effect on delayed type hypersensitivity response through the induction of Lyt-1+2- T cells. Yoshii H, et al. **Int J Immunopharmacol** 1987;9(4):443–51

Effect of interleukin-1 (IL-1) and IL-2 on lymphocytes from patients with leprosy. Rada EM, et al. **Int J Lepr Other Mycobact Dis** 1987 Jun;55(2):351–3

Enhanced cell-mediated immune responses in erythema nodosum leprosum reactions of leprosy. Rao TD, et al. **Int J Lepr Other Mycobact Dis** 1987 Mar;55(1):36–41

Immunocytological study of phlyctenular eye disease. Abu el Asrar AM, et al. **Int Ophthalmol** 1987 Feb;10(1):33–9

Induction of Junin virus persistence in adult athymic mice. Weissenbacher MC, et al. **Intervirology** 1986;25(4):210–5

T cell subsets involved in the rejection of metastases arising from intraocular melanomas in mice. Niederkorn JY. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1397–403

The effect of major surgery on T-lymphocyte function in patients with gastrointestinal cancer. Duignan JP, et al. **Ir J Med Sci** 1987 Apr;156(4):112–6

Studies of the cellular infiltrate of chronic idiopathic urticaria: prominence of T-lymphocytes, monocytes, and mast cells. Elias J, et al. **J Allergy Clin Immunol** 1986 Nov; 78(5 Pt 1):914–8

Chronic urticaria, activated T cells, and mast cell releasability. Rosenstreich DL. **J Allergy Clin Immunol** 1986 Dec;78(6):1099–102

A study of in vivo cell mediated immune status in patients of chronic myeloid leukaemia. Kapoor A, et al. **J Assoc Physicians India** 1986 Oct;34(10):709–11

E-rosette forming lymphocytes in carcinoma of uterine cervix patients before and after treatment. Singh RP, et al. **J Assoc Physicians India** 1987 Mar;35(3):211–2

The human T3 gamma chain is phosphorylated at serine 126 in response to T lymphocyte activation. Davies AA, et al. **J Biol Chem** 1987 Aug 15;262(23):10918–21

Signals for activation and proliferation of murine T lymphocyte clones. Koyasu S, et al. **J Biol Chem** 1987 Apr 5;262(10):4689–95

T-cell surface molecules involved in the induction and expression of lymphokine-activated killing of autologous and allogeneic tumor targets. Nashed AL, et al. **J Clin Immunol** 1987 Jul;7(4):288–93

Prostaglandin E1 inhibits effector T cell induction and tissue damage in experimental murine interstitial nephritis. Kelly CJ, et al. **J Clin Invest** 1987 Mar;79(3):782–9

Immune responses during human Schistosomiasis mansoni. Evidence for antiidiotypic T lymphocyte responsiveness. Lima MS, et al. **J Clin Invest** 1986 Oct;78(4):983–8

Selective blockade of the antigen-receptor-mediated pathway of T cell activation in patients with impaired primary immune responses. Meuer SC, et al. **J Clin Invest** 1987 Sep;80(3):743–9

Infection of human T lymphotropic virus-I-specific immune T cell clones by human T lymphotropic virus-I. Mitsuya H, et al. **J Clin Invest** 1986 Nov;78(5):1302–10

Coxsackievirus B 1-induced polymyositis. Lack of disease expression in nu/nu mice. Ytterberg SR, et al. **J Clin Invest** 1987 Aug;80(2):499–506

Lymphocyte activation in vivo in the intestinal mucosa of patients with Crohn's disease. Konttinen YT, et al. **J Clin Lab Immunol** 1987 Feb;22(2):59–63

The effects of macrophages on interleukin 2 production in thymocytes of New Zealand black mice. Minoda M, et al. **J Clin Lab Immunol** 1987 Jan;22(1):29–34

The relationship between the defect in the syngeneic mixed lymphocyte reaction and thymic abnormality in New Zealand mice. Minoda M, et al. **J Clin Lab Immunol** 1987 Jun;23(2):101–8

Surface marker studies on activated peripheral blood lymphocytes in idiopathic dilated cardiomyopathy. Takamoto T, et al. **J Clin Lab Immunol** 1987 Apr; 22(4):157–61

Interleukin 2 and gamma interferon production, interleukin 2 receptor expression, and DNA synthesis induced by tularemia antigen in vitro after natural infection or vaccination. Karttunen R, et al. **J Clin Microbiol** 1987 Jun; 25(6):1074–8

Experimental gingivitis in a Down's syndrome child and sibling. Reuland-Bosma W, et al. **J Clin Microbiol** 1987 May;25(5):949–51

Immunospecific T-lymphocyte stimulation by membrane proteins from Francisella tularensis. Sandström G, et al. **J Clin Microbiol** 1987 Apr;25(4):641–4

Failure of immunosuppressive mechanisms in human Schistosoma mansoni infection with hepatosplenomegaly. Tweardy DJ, et al. **J Clin Microbiol** 1987 May;25(5):768–73

Evidence for monoclonal T lymphocyte proliferation in angioimmunoblastic lymphadenopathy. O'Connor NT, et al. **J Clin Pathol** 1986 Nov;39(11):1229–32

Major histocompatibility complex class II antigen expression in B and T cell non-Hodgkin's lymphoma. Smith ME, et al. **J Clin Pathol** 1987 Jan;40(1):34–41

The autologous mixed lymphocyte reaction (AMLR) as a possible indicator of immunoregulation in chronic inflammatory periodontal disease. Seymour GJ, et al. **J Clin Periodontol** 1986 Aug;13(7):639–45 (89 ref.)

In vitro modulation of T6 expression on gingival Langerhans cells by interleukin-1 inhibitors and ETAF. Walsh LJ, et al. **J Dent Res** 1987 Mar;66(3):766–9

Supplement of exogenous IL2 abrogates induction of tolerance in drug-induced T cell proliferation. Ikezawa Z, et al. **J Dermatol (Tokyo)** 1986 Jun;13(3):185–9

Markers and subpopulations of T lymphocytes in schistosomiasis. Khalil HM, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):325–39

Clonal analysis of the Mls system. A reappraisal of polymorphism and allelism among Mlsa, Mlsc, and Mlsd. Abe R, et al. **J Exp Med** 1987 Apr 1;165(4):1113–29

Epitopes associated with the MHC restriction site of T cells. II. Somatic generation of Iat epitopes on T cells in radiation bone marrow chimeras. Asano Y, et al. **J Exp Med** 1987 Jan 1;165(1):87–96

Protective immunogenicity and T lymphocyte specificity of a trivalent hybrid peptide containing NH2-terminal sequences of types 5, 6, and 24 M proteins synthesized in tandem. Beachey EH, et al. **J Exp Med** 1987 Sep 1; 166(3):647–56

T-independent and T-dependent steps in the murine B cell response to antiimmunoglobulin. Birkeland ML, et al. **J Exp Med** 1987 Aug 1;166(2):506–19

T cell clones specific for an amphipathic alpha-helical region of sperm whale myoglobin show differing fine specificities for synthetic peptides. A multiview/single structure interpretation of immunodominance. Cease KB, et al. **J Exp Med** 1986 Nov 1;164(5):1779–84

Phenotypic analysis of the inflammatory exudate in murine lymphocytic choriomeningitis. Ceredig R, et al. **J Exp Med** 1987 Jun 1;165(6):1539–51

Characterization of cells from invaded lymph nodes in patients with solid tumors. Lymphokine requirement for tumor-specific lymphoproliferative response. Cozzolino F, et al. **J Exp Med** 1987 Aug 1;166(2):303–18

Purified lymphocyte function-associated antigen 3 binds to CD2 and mediates T lymphocyte adhesion. Dustin ML, et al. **J Exp Med** 1987 Mar 1;165(3):677–92

Characterization of CD3+, CD4-, CD8- clones expressing the putative T cell receptor gamma gene product. Analysis of the activation pathways leading to interleukin 2 production and triggering of the lytic machinery. Ferrini S, et al. **J Exp Med** 1987 Jul 1;166(1):277–82

Identification and cloning of a prethymic precursor T lymphocyte from a population of common acute lymphoblastic leukemia antigen (CALLA)-positive fetal bone marrow cells. Hokland P, et al. **J Exp Med** 1987 Jun 1;165(6):1749–54

Antigen presentation by chemically modified splenocytes induces antigen-specific T cell unresponsiveness in vitro and in vivo. Jenkins MK, et al. **J Exp Med** 1987 Feb 1; 165(2):302–19

Contrasuppression in autoimmunity. Abnormal contrasuppression facilitates expression of nephritogenic effector T cells and interstitial nephritis in kdkd mice. Kelly CJ, et al. **J Exp Med** 1987 Jan 1;165(1):107–23

Release of the rat T cell alloantigen RT-6.2 from cell membranes by phosphatidylinositol-specific phospholipase C. Koch F, et al. **J Exp Med** 1986 Oct 1;164(4):1338–43

Interleukin 1 enhances T-dependent immune responses by amplifying the function of dendritic cells. Koide SL, et al. **J Exp Med** 1987 Feb 1;165(2):515–30

Variable capacity of L3T4+ T cells to cause lethal graft-versus-host disease across minor histocompatibility barriers in mice. Korngold R, et al. **J Exp Med** 1987 Jun 1;165(6):1552–64

Prevention of diabetes in BioBreeding/Worcester rats with monoclonal antibodies that recognize T lymphocytes or natural killer cells. Like AA, et al. **J Exp Med** 1986 Oct 1;164(4):1145–59

Transient rearrangements of the T cell antigen receptor alpha locus in early thymocytes. Lindsten T, et al. **J Exp Med** 1987 Sep 1;166(3):761–75

Cutaneous leishmaniasis. The defect in T cell influx in BALB/c mice. McElrath MJ, et al. **J Exp Med** 1987 Feb 1;165(2):546–59

Antibody-induced modulation of the CD3/T cell receptor complex causes T cell refractoriness by inhibiting the early metabolic steps involved in T cell activation. Pantaleo G, et al. **J Exp Med** 1987 Aug 1;166(2):619–24

Rosetting of activated human T lymphocytes with autologous erythrocytes. Definition of the receptor and ligand molecules as CD2 and lymphocyte function-associated antigen 3 (LFA-3). Plunkett ML, et al. **J Exp Med** 1987 Mar 1;165(3):664–76

In vitro mutagenesis at a single residue introduces B and T cell epitopes into a class I HLA molecule. Salter RD, et al. **J Exp Med** 1987 Jul 1;166(1):283–8

Generation of diversity in T cell receptor repertoire specific for pigeon cytochrome c. Sorger SB, et al. **J Exp Med** 1987 Feb 1;165(2):279–301

A synthetic peptide induces long-term protection from lethal infection with herpes simplex virus 2. Watari E, et al. **J Exp Med** 1987 Feb 1;165(2):459–70

Downregulation of T cell responses by antibodies to the T cell receptor. Webb S, et al. **J Exp Med** 1987 Feb 1; 165(2):584–9

Similarities in sequences and cellular expression between rat CD2 and CD4 antigens. Williams AF, et al. **J Exp Med** 1987 Feb 1;165(2):368–80

Production of a T cell hybridoma that expresses the T cell receptor gamma/delta heterodimer. Yokoyama WM, et al. **J Exp Med** 1987 Jun 1;165(6):1725–30

Murine T cell clones directed to rabies virus: isolation and some of their properties. Cho S, et al. **J Gen Virol** 1987 Apr;68 (Pt 4):1115–23

Brugia pahangi in nude mice: protective immunity to infective larvae is Thy 1.2+ cell dependent and cyclosporin A resistant. Vickery AC, et al. **J Helminthol** 1987 Mar; 61(1):19–27

Clonal analysis of intrahepatic T lymphocytes in chronic active hepatitis. Isolation of a T-cell line specific for hepatitis B core antigen from a patient with serological evidence of exposure to HBV. Ferrari C, et al. **J Hepatol** 1986;3(3):384–92

The role of T-system immunity in reparatory regeneration of the bone tissue in animals. Askalonov AA, et al. **J Hyg Epidemiol Microbiol Immunol** 1987;31(2):219–24

Reduction of blood pressure and restoration of T-cell immune function in spontaneously hypertensive rats by food restriction and/or by treadmill exercise. Fernandes G, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S469–74

A new method to detect directly in culture cell surface membrane immunoglobulins. Cocchiara R, et al. **J Immunoassay** 1986;7(4):337–52

Functional roles of human class II antigens in T cell proliferative response. Comparison of the DR and DQ molecules using mouse monoclonal antibodies. Chen RF, et al. **J Immunogenet** 1986 Oct-Dec;13(5–6):401–13

Equine T lymphocytes express MHC class II antigens. Crepaldi T, et al. **J Immunogenet** 1986 Aug;13(4):349–60

Simultaneous responses to TD, TI-1 and TI-2 antigens originate from both specific and multipotent precursors. Fevrier M, et al. **J Immunogenet** 1986 Aug;13(4):361–72

Experimental strategies and interpretations in the analysis of changes in MHC gene expression during tumour progression. Opposing influences of T cell and natural killer mediated resistance? Ljunggren HG, et al. **J Immunogenet** 1986 Apr-Jun;13(2–3):141–51

Transcriptional control of MHC class II antigen expression on mouse T cell lines. Singh SK, et al. **J Immunogenet** 1986 Apr-Jun;13(2–3):187–94

T cell recognition of Mls. T cell clones demonstrate polymorphism between Mlsa, Mlsc, and Mlsd. Abe R, et al. **J Immunol** 1987 Jan 15;138(2):373–9

IL 1 expression in a clone of human T cells. Acres RB, et al. **J Immunol** 1987 Apr 1;138(7):2132–6

Human monoclonal anti-T cell antibody from a patient with

juvenile rheumatoid arthritis. Alpert SD, et al. **J Immunol** 1987 Jan 1;138(1):104–8

Cross-linking of T3 (CD3) with T4 (CD4) enhances the proliferation of resting T lymphocytes. Anderson P, et al. **J Immunol** 1987 Aug 1;139(3):678–82

A short synthetic peptide fragment of human interleukin 1 with immunostimulatory but not inflammatory activity. Antoni G, et al. **J Immunol** 1986 Nov 15;137(10):3201–4

Proliferation of T lymphocytes in response to interleukin 2 varies with their state of activation. Ashwell JD, et al. **J Immunol** 1986 Oct 15;137(8):2572–8

The immunostimulatory effect of T cells and T cell lymphokines on murine fetally derived placental cells. Athanassakis I, et al. **J Immunol** 1987 Jan 1;138(1):37–44

A T cell–independent mechanism of macrophage activation by interferon–gamma. Bancroft GJ, et al. **J Immunol** 1987 Aug 15;139(4):1104–7

Intracellular growth of Listeria monocytogenes as a prerequisite for in vivo induction of T cell–mediated immunity. Berche P, et al. **J Immunol** 1987 Apr 1; 138(7):2266–71

Three different erythrocyte surface molecules are required for spontaneous T cell rosette formation. Bernard A, et al. **J Immunol** 1987 Jul 1;139(1):18–23

Idiotype vaccines against human T cell acute lymphoblastic leukemia. I. Generation and characterization of biologically active monoclonal anti–idiotopes. Bhattacharya–Chatterjee M, et al. **J Immunol** 1987 Aug 15;139(4):1354–60

Chicken T lymphocyte clones with specificity for Eimeria tenella. I. Generation and functional characterization. Bhogal BS, et al. **J Immunol** 1986 Nov 15;137(10):3318–25

T cell tolerization in vitro: modulation of helper and suppressor cell activities. Bleux C, et al. **J Immunol** 1987 Jul 15;139(2):338–45

Characterization and activity of contrasuppressor T cells induced by type III pneumococcal polysaccharide. Braley–Mullen H. **J Immunol** 1986 Nov 1;137(9):2761–7

Growth inhibition of human T cells by antibodies recognizing the T cell antigen receptor complex. Breitmeyer JB, et al. **J Immunol** 1987 Feb 1;138(3):726–31

Characterization and expression of the human alpha beta T cell receptor by using a framework monoclonal antibody. Brenner MB, et al. **J Immunol** 1987 Mar 1;138(5):1502–9

A cascade of T–T interactions, mediated by the linked recognition of antigen, in the induction of T cells able to help delayed–type hypersensitivity responses. Bretscher PA. **J Immunol** 1986 Dec 15;137(12):3726–33

Different regulation of the L3T4–T cell subset by B cells in different mouse strains bearing the H–2k haplotype. Brinkmann V, et al. **J Immunol** 1986 Nov 1;137(9):2991–7

In vivo expression and regulation of murine IL 2 receptors after antigen sensitization. Butler LD, et al. **J Immunol** 1987 Jan 15;138(2):470–7

The cytoplasmic expression of CD3 antigens in normal and malignant cells of the T lymphoid lineage. Campana D, et al. **J Immunol** 1987 Jan 15;138(2):648–55

The use of hydrophobic, alpha–helix–defined peptides in delineating the T cell determinant for pigeon cytochrome c. Carbone FR, et al. **J Immunol** 1987 Mar 15; 138(6):1838–44

Effect of antioxidants on primary alloantigen–induced T cell activation and proliferation. Chaudhri G, et al. **J Immunol** 1986 Oct 15;137(8):2646–52

Cellular interactions and the role of interleukin 2 in the expression and induction of immunity against a syngeneic murine sarcoma. Chou T, et al. **J Immunol** 1987 Sep 15; 139(6):2103–9

Nonresponsiveness to Mlsd in F1 hybrid mice carrying Mlsa and Mlsc genes. Click RE, et al. **J Immunol** 1987 Jul 15; 139(2):321–5

Physiology of IgD. VIII. Age–related decline in the capacity to generate T cells with receptors for IgD and partial reversal of the defect with IL 2. Coico RF, et al. **J Immunol** 1987 May 1;138(9):2776–81

Physiology of IgD. VII. Induction of receptors for IgD on cloned T cells by IgD and interleukin 2. Coico RF, et al. **J Immunol** 1987 Jan 1;138(1):4–6

Quantitation of T cell antigen–binding molecules (TABM) in the sera of nonimmunized, immunized, and desensitized mice. Cone RE, et al. **J Immunol** 1987 Jan 1;138(1):234–9

Lymphokine activation of T4+ T lymphocytes and monocytes. Cruikshank WW, et al. **J Immunol** 1987 Jun 1;138(11):3817–23

Receptor–like role of HLA–class I antigens: regulation of T cell activation. Dasgupta JD, et al. **J Immunol** 1987 Aug 1;139(3):672–7

Human T cell clones use a CD3–associated surface antigen recognition structure to exhibit both NK–like and allogeneic cytotoxic reactivity. David V, et al. **J Immunol** 1987 May 1;138(9):2831–6

Regulation of human T lymphocyte mitogenesis by antibodies to CD3. Davis L, et al. **J Immunol** 1986 Dec 15; 137(12):3758–67

Human thymic epithelial cells function as accessory cells for autologous mature thymocyte activation. Denning SM, et al. **J Immunol** 1987 Feb 1;138(3):680–6

Lymphoid bone marrow cultures can reconstitute heterogeneous B and T cell–dependent responses in severe combined immunodeficient mice. Dorshkind K, et al. **J Immunol** 1986 Dec 1;137(11):3457–63

Requirement for BSF–1 in the induction of antigen–specific B cell proliferation by a thymus–dependent antigen and carrier–reactive T cell line. Dubois P, et al. **J Immunol** 1987 Sep 15;139(6):1927–34

Stimulation of murine T cells via the Ly–6C antigen: lack of proliferative response in aberrant T cells from lpr/lpr and gld/gld mice despite high Ly–6C antigen expression. Dumont FJ. **J Immunol** 1987 Jun 15;138(12):4106–13

Mitogenic effect of PMA + IL 2 on subpopulations of corticoresistant thymocytes. Dupuy d'Angeac A, et al. **J Immunol** 1986 Dec 1;137(11):3501–8

An hypothesis on the binding of an amphipathic, alpha helical sequence in Ii to the desetope of class II antigens. Elliott WL, et al. **J Immunol** 1987 May 1;138(9):2949–52

Retention of T cell reactivity to mitogens and alloantigens by Peyer's patch cells of aged mice. Ernst DN, et al. **J Immunol** 1987 Jan 1;138(1):26–31

The immune response and the eye. II. The nature of T suppressor cell induction in anterior chamber–associated immune deviation (ACAID). Ferguson TA, et al. **J Immunol** 1987 Jul 15;139(2):352–7

Functional T cell deficits after bone marrow transplantation across minor histocompatibility barriers: effects of graft–vs–host disease on precursor frequency of reactive cells. Ferrara JL, et al. **J Immunol** 1987 Jun 1; 138(11):3598–603

Intrahepatic, nucleocapsid antigen–specific T cells in chronic active hepatitis B. Ferrari C, et al. **J Immunol** 1987 Sep 15;139(6):2050–8

Production of BSF–1 during an in vivo, T–dependent immune response. Finkelman FD, et al. **J Immunol** 1986 Nov 1;137(9):2878–85

In vivo and in vitro expression of an interleukin 2 receptor by murine B and T lymphocytes. Finkelman FD, et al. **J Immunol** 1986 Oct 1;137(7):2252–9

Serologic heterogeneity in I–J determinants associated with functionally distinct T cell regulatory factors. Flood PM, et al. **J Immunol** 1986 Oct 1;137(7):2237–44

Quantitative analysis of the T cell response to antigen and planar membranes containing purified Ia molecules. Fox BS, et al. **J Immunol** 1987 May 15;138(10):3367–74

Functionally distinct agretopic and epitopic sites. Analysis of the dominant T cell determinant of moth and pigeon cytochromes c with the use of synthetic peptide antigens. Fox BS, et al. **J Immunol** 1987 Sep 1;139(5):1578–88

Biochemical characterization and biosynthesis of the Ki–1 antigen in Hodgkin–derived and virus–transformed human B and T lymphoid cell lines. Froese P, et al. **J Immunol** 1987 Sep 15;139(6):2081–7

Spontaneous production of a suppressor factor by a human macrophage–like cell line U937. II. Suppression of antigen– and mitogen–induced blastogenesis, IL 2 production and IL 2 receptor expression in T lymphocytes. Fujiwara H, et al. **J Immunol** 1987 Jan 1;138(1):197–203

Accessory cell–T cell interactions involved in anti–CD3–induced T4 and T8 cell proliferation: analysis with monoclonal antibodies. Geppert TD, et al. **J Immunol** 1986 Nov 15;137(10):3065–73

Dissection of defective antigen presentation by interferon–gamma–treated fibroblasts. Geppert TD, et al. **J Immunol** 1987 Jan 15;138(2):385–92

Accessory cell independent proliferation of human T4 cells stimulated by immobilized monoclonal antibodies to CD3. Geppert TD, et al. **J Immunol** 1987 Mar 15;138(6):1660–6

Early effects of HIV on CD4 lymphocytes in vivo. Giorgi JV, et al. **J Immunol** 1987 Jun 1;138(11):3725–30

Relationship among function, phenotype, and specificity in primary allospecific T cell populations: identification of phenotypically identical but functionally distinct primary T cell subsets that differ in their recognition of MHC class I and class II allodeterminants. Golding H, et al. **J Immunol** 1987 Jan 1;138(1):10–7

Human T clones reactive to the sexual stages of Plasmodium falciparum malaria. High frequency of gamete–reactive T cells in peripheral blood from nonexposed donors. Good MF, et al. **J Immunol** 1987 Jan 1;138(1):306–11

Heterogeneity of signal requirements in T cell activation within a panel of human proliferative T cell clones. Goronzy J, et al. **J Immunol** 1987 May 15;138(10):3087–93

L3T4+ T lymphocytes play a major role in the pathogenesis of murine cerebral malaria. Grau GE, et al. **J Immunol** 1986 Oct 1;137(7):2348–54

Alteration of a non–polymorphic residue in a class II E beta gene eliminates an antibody–defined epitope without affecting T cell recognition. Griffith IJ, et al. **J Immunol** 1987 Jun 15;138(12):4480–3

Role of CD2 and IL 1 beta in T cell responsiveness to IL 2. Gromo G, et al. **J Immunol** 1987 Apr 1;138(7):2155–60

Interferon–gamma regulates the T cell response to precursor nevi and biologically early melanoma. Guerry D 4th, et al. **J Immunol** 1987 Jul 1;139(1):305–12

Administration of F(ab')2 fragments of monoclonal antibody to L3T4 inhibits humoral immunity in mice without depleting L3T4+ cells. Gutstein NL, et al. **J Immunol** 1986 Dec 1;137(11):3414–9

Myelin basic protein and proteolipid protein reactivity of brain– and cerebrospinal fluid–derived T cell clones in multiple sclerosis and postinfectious encephalomyelitis. Hafler DA, et al. **J Immunol** 1987 Jul 1;139(1):68–72

Abrogation of hybrid resistance to bone marrow engraftment by graft–vs–host–induced immune deficiency. Hakim FT, et al. **J Immunol** 1986 Nov 15;137(10):3109–16

Identification of IL 2R+ T cells and macrophages within rejecting rat cardiac allografts, and comparison of the effects of treatment with anti–IL 2R monoclonal antibody or cyclosporin. Hancock WW, et al. **J Immunol** 1987 Jan 1;138(1):164–70

Differential antigen–presenting cell requirements of hapten–specific T cell lines restricted to class II determinants. Hanke JH, et al. **J Immunol** 1987 Apr 15; 138(8):2384–91

Autoimmune effector cells. IX. Inhibition of adoptive transfer of autoimmune encephalomyelitis with a monoclonal antibody specific for interleukin 2 receptors. Hayosh NS, et al. **J Immunol** 1987 Jun 1;138(11):3771–5

Thy–1–negative and Ly–1–negative variants of T cells produce interleukin 2 in response to mitogens. Hollander N. **J Immunol** 1987 Jul 15;139(2):437–42

The interleukin 2 secretion defect in vitro in systemic lupus erythematosus is reversible in rested cultured T cells. Huang YP, et al. **J Immunol** 1986 Dec 1;137(11):3515–20

Immunity to D–penicillamine: genetic, cellular, and chemical requirements for induction of popliteal lymph node enlargement in the mouse. Hurtenbach U, et al. **J Immunol** 1987 Jul 15;139(2):411–6

Antigen recognition by a human T cell clone leads to increases in inositol trisphosphate. Imboden J, et al. **J Immunol** 1987 Mar 1;138(5):1322–4

Deficiency of the tryptase–positive, chymase–negative mast cell type in gastrointestinal mucosa of patients with defective T lymphocyte function. Irani AM, et al. **J Immunol** 1987 Jun 15;138(12):4381–6

T cell independent Thy–1 allo–antibody response with the use of transgenic mice. Isobe K, et al. **J Immunol** 1986 Oct 1;137(7):2089–92

Carrier–specific suppression of antibody responses by antigen–specific glycosylation–inhibiting factors. Jardieu P, et al. **J Immunol** 1987 Mar 1;138(5):1494–501

Different T cell requirements for specific memory induction in normal and xid B cells. Johnson DR, et al. **J Immunol** 1986 Nov 1;137(9):2796–801

Differential effects of antibodies to Lyt–2 and L3T4 on cytolysis by cloned, Ia–restricted T cells expressing both proteins. Jones B, et al. **J Immunol** 1987 Jul 15;139(2):380–4

Antigen–presenting T cells. II. Clonal responses of alloreactive and virus–specific self–restricted human cytotoxic T cell responses stimulated by T lymphoblasts. Kabelitz D, et al. **J Immunol** 1987 Jan 1;138(1):45–50

Mycobacterium leprae antigen–induced suppression of T cell proliferation in vitro. Kaplan G, et al. **J Immunol** 1987 May 1;138(9):3028–34

Interleukin 2 responses of lpr and normal L3T4–/Lyt–2– T cells induced by TPA plus A23187. Katagiri K, et al. **J Immunol** 1987 Jan 1;138(1):149–56

Induction, maintenance, and reinduction of tumoricidal activity in bone marrow–derived mononuclear phagocytes by Corynebacterium parvum. Evidence for the involvement of a T cell– and interferon–gamma–independent pathway of macrophage activation. Keller R, et al. **J Immunol** 1987 Apr 1; 138(7):2366–71

Role of the transferrin receptor in lymphocyte growth: a rat IgG monoclonal antibody against the murine transferrin receptor produces highly selective inhibition of T and B cell activation protocols. Kemp JD, et al. **J Immunol** 1987 Apr 15;138(8):2422–6

Cloned, Ia–restricted T cells that do not produce interleukin 4(IL 4)/B cell stimulatory factor 1(BSF–1) fail to help antigen–specific B cells. Killar L, et al. **J Immunol** 1987 Mar 15;138(6):1674–9

Two roles for Ia in antigen–specific T lymphocyte activation. Kim KH, et al. **J Immunol** 1986 Dec 1;137(11):3393–400

Mechanisms of T cell hyperreactivity in obese strain (OS) chickens with spontaneous autoimmune thyroiditis: lack in nonspecific suppression is due to a primary adherent cell defect. Krömer G, et al. **J Immunol** 1987 Apr 1; 138(7):2104–9

In vivo immunosuppression by pan–T cell antibodies relates to their isotype and to their C1q uptake. Kummer U, et al. **J Immunol** 1987 Jun 15;138(12):4069–74

Proliferating cell nuclear antigen (PCNA)/cyclin in activated human T lymphocytes. Kurki P, et al. **J Immunol** 1987 Jun 15;138(12):4114–20

The effects of an anti–I–Ab antibody on murine host resistance to Listeria monocytogenes. Kurlander RJ, et al. **J Immunol** 1987 Apr 15;138(8):2679–86

Expression of Leu–19 (NKH–1) antigen on IL 2–dependent cytotoxic and non–cytotoxic T cell lines. Lanier LL, et al. **J Immunol** 1987 Apr 1;138(7):2019–23

Correlation of cell surface antigen expression on human thymocytes by multi–color flow cytometric analysis: implications for differentiation. Lanier LL, et al. **J Immunol** 1986 Oct 15;137(8):2501–7

Antibody binding to CD5 (Tp67) and Tp44 T cell surface molecules: effects on cyclic nucleotides, cytoplasmic free calcium, and cAMP–mediated suppression. Ledbetter JA, et al. **J Immunol** 1986 Nov 15;137(10):3299–305

Functional analysis of T lymphocyte subsets in antiviral host defense. Leist TP, et al. **J Immunol** 1987 Apr 1; 138(7):2278–81

Passive transfer of experimental allergic encephalomyelitis by myelin basic protein–specific L3T4+ T cell clones possessing several functions. Lemire JM, et al. **J Immunol** 1986 Nov 15;137(10):3169–74

Activation of murine T lymphocytes with monoclonal antibodies: detection on Lyt–2+ cells of an antigen not

associated with the T cell receptor complex but involved in T cell activation. Leo O, et al. **J Immunol** 1987 Aug 15;139(4):1214–22

Macrophage handling of a tolerogen and the role of IL 1 in tolerance induction in a helper T cell clone in vitro. Levich JD, et al. **J Immunol** 1987 Jun 1;138(11):3675–9

Antigen presentation by hapten–specific B lymphocytes. IV. Comparative ability of B cells to present specific antigen and anti–immunoglobulin antibody. Lichtman AH, et al. **J Immunol** 1987 May 1;138(9):2822–5

Induction of experimental allergic neuritis in the BN rat: P2 protein–specific T cells overcome resistance to actively induced disease. Linington C, et al. **J Immunol** 1986 Dec 15;137(12):3826–31

Suppression of anti–mouse immunoglobulin antibodies in subhuman primates receiving murine monoclonal antibodies against T cell antigens. Lowder JN, et al. **J Immunol** 1987 Jan 15;138(2):401–6

Functional status of interleukin 2 receptors expressed by immature (Lyt–2–/L3T4–) thymocytes. Lowenthal JW, et al. **J Immunol** 1986 Oct 15;137(8):2579–84

Expression of interleukin 1 receptors is restricted to the L3T4+ subset of mature T lymphocytes. Lowenthal JW, et al. **J Immunol** 1987 Jan 1;138(1):1–3

Interaction between myelin basic protein–sensitized T lymphocytes and murine cerebral vascular endothelial cells. McCarron RM, et al. **J Immunol** 1986 Dec 1; 137(11):3428–35

Correction of defective IL 3 responses of T lymphocytes from autoimmune mice. MacNeil D, et al. **J Immunol** 1986 Dec 1;137(11):3464–8

Expression of T cell receptor–alpha and –beta subunits in human thymocytes. An immunocytologic study. Maggiano N, et al. **J Immunol** 1987 Sep 1;139(5):1438–45

Monoclonal antibodies, L–35 and L–36, define novel T cell activation antigens. Maino VC, et al. **J Immunol** 1986 Nov 15;137(10):3093–9

Human T cell rosetting is mediated by LFA–3 on autologous erythrocytes. Makgoba MW, et al. **J Immunol** 1987 Jun 1;138(11):3587–9

The composition of the T cell receptor repertoire in nude mice. Maleckar JR, et al. **J Immunol** 1987 Jun 1; 138(11):3873–6

Interleukin 1 and myelin basic protein synergistically augment adoptive transfer activity of lymphocytes mediating experimental autoimmune encephalomyelitis in Lewis rats. Mannie MD, et al. **J Immunol** 1987 Jun 15; 138(12):4229–35

FcR epsilon+ lymphocytes and regulation of the IgE antibody system. V. Preliminary physicochemical characterization of the T cell–selective IgE–induced regulant EIRT. Marcelletti JF, et al. **J Immunol** 1986 Oct 15;137(8):2599–610

Amplification of HTLV–III/LAV infection by antigen–induced activation of T cells and direct suppression by virus of lymphocyte blastogenic responses. Margolick JB, et al. **J Immunol** 1987 Mar 15;138(6):1719–23

Differential presentation of HLA–DR, DQ, and DP restriction elements by interferon–gamma–treated dermal fibroblasts. Maurer DH, et al. **J Immunol** 1987 Aug 1; 139(3):715–23

Autoimmune syndrome after induction of neonatal tolerance to alloantigens: effects of in vivo treatment with anti–T cell subset monoclonal antibodies. Merino J, et al. **J Immunol** 1987 Sep 1;139(5):1426–31

Differential expression of lymphokine–activated killer cells and natural killer cells in adoptive transfer experiments utilizing fractionated bone marrow. Merluzzi VJ, et al. **J Immunol** 1986 Oct 15;137(8):2425–7

Immune response to hepatitis B virus core antigen (HBcAg): localization of T cell recognition sites within HBcAg/HBeAg. Milich DR, et al. **J Immunol** 1987 Aug 15;139(4):1223–31

Class II–restricted T cell responses in Theiler's murine encephalomyelitis virus (TMEV)–induced demyelinating disease. I. Cross–specificity among TMEV substrains and related picornaviruses, but not myelin proteins. Miller SD, et al. **J Immunol** 1987 Jun 1;138(11):3776–84

The effects of phorbol ester on alloantigen presentation. Minami M, et al. **J Immunol** 1987 Jan 15;138(2):393–400

IgG anti–lymphocyte antibodies in systemic lupus erythematosus react with surface molecules shared by peripheral T cells and a primitive T cell line. Minota S, et al. **J Immunol** 1987 Mar 15;138(6):1750–6

Differential helper and effector responses of Lyt–2+ T cells to H–2Kb mutant (Kbm) determinants and the appearance of thymic influence on anti–Kbm CTL responsiveness. Mizuochi T, et al. **J Immunol** 1986 Nov 1;137(9):2740–7

T cell defect in lepromatous leprosy is reversible in vitro in the absence of exogenous growth factors. Mohagheghpour N, et al. **J Immunol** 1987 Jan 15; 138(2):570–4

Characterization of a factor produced by human T cell clones exhibiting eosinophil–activating and burst–promoting activities. Moreau JF, et al. **J Immunol** 1987 Jun 1; 138(11):3844–9

The role of the 2H4 molecule in the generation of suppressor function in Con A–activated T cells. Morimoto C, et al. **J Immunol** 1986 Nov 15;137(10):3247–53

Arsonate–specific murine T cell clones. III. Correlation between clonotype expression and fine specificity for analogs of L–tyrosine–p–azobenzenearsonate. Morita CT, et al. **J Immunol** 1986 Oct 1;137(7):2139–44

Species–specificity of T cell stimulating activities of IL 2 and BSF–1 (IL 4): comparison of normal and recombinant, mouse and human IL 2 and BSF–1 (IL 4). Mosmann TR, et al. **J Immunol** 1987 Mar 15;138(6):1813–6

Identification of cellular mechanisms operational in vivo during the regression of established pulmonary metastases by the systemic administration of high–dose recombinant interleukin 2. Mulé JJ, et al. **J Immunol** 1987 Jul 1; 139(1):285–94

Development of host–dependent high–grade tumor–specific immunity through a novel mechanism triggered by the Lyt–2+ tumor–specific T cell clone (K7L) that induces temporal growth of L1210 leukemia–K7L–variant. Nagase F, et al. **J Immunol** 1987 Apr 1;138(7):2359–65

Inhibition of IL 2–driven proliferation of murine T lymphocyte clones by supraoptimal levels of immobilized anti–T cell receptor monoclonal antibody. Nau GJ, et al. **J Immunol** 1987 Jul 1;139(1):114–22

Immunotherapy of murine sarcomas with auto–anti–idiotypic monoclonal antibodies which bind to tumor–specific T cells. Nelson KA, et al. **J Immunol** 1987 Sep 15; 139(6):2110–7

Isolation and functional characterization of murine T cell lines and clones specific for the protozoan parasite Trypanosoma cruzi. Nickell SP, et al. **J Immunol** 1987 Feb 1;138(3):914–21

Antigen–specific and –nonspecific mitogenic signals in the activation of human T cell clones. Nisbet–Brown ER, et al. **J Immunol** 1987 Jun 1;138(11):3713–9

Establishment of a human T cell hybridoma cell line producing suppressor factor specific for anti–thyroglobulin antibody production. Noma T, et al. **J Immunol** 1987 May 1;138(9):2929–34

Human T cell clones recognize two abundant Mycobacterium tuberculosis protein antigens expressed in Escherichia coli. Oftung F, et al. **J Immunol** 1987 Feb 1; 138(3):927–31

Aging and immunity to tuberculosis: increased susceptibility of old mice reflects a decreased capacity to generate mediator T lymphocytes. Orme IM. **J Immunol** 1987 Jun 15;138(12):4414–8

The kinetics of emergence and loss of mediator T lymphocytes acquired in response to infection with Mycobacterium tuberculosis. Orme IM. **J Immunol** 1987 Jan 1;138(1):293–8

Role of Ly–6 in lymphocyte activation. I. Characterization of a monoclonal antibody to a nonpolymorphic Ly–6 specificity. Ortega G, et al. **J Immunol** 1986 Nov 15; 137(10):3240–6

Participation of L3T4 in T cell activation in the absence of class II major histocompatibility complex antigens. Inhibition by anti–L3T4 antibodies is a function both of epitope density and mode of presentation of anti–receptor antibody. Owens T, et al. **J Immunol** 1987 Apr 15; 138(8):2402–9

Antibody conjugates mimic specific B cell presentation of antigen: relationship between T and B cell specificity. Ozaki S, et al. **J Immunol** 1987 Jun 15;138(12):4133–42

W3/25+ T cells mediate the induction of immunologic unresponsiveness in enhanced rat recipients of cardiac allografts. Padberg WM, et al. **J Immunol** 1987 Jun 1; 138(11):3669–74

Protection against experimental toxoplasmosis by adoptive immunotherapy. Pavia CS. **J Immunol** 1986 Nov 1; 137(9):2985–90

Importance of L3T4+ and Lyt–2+ cells in the immunologic control of infection with Mycobacterium bovis strain bacillus Calmette–Guérin in mice. Assessment by elimination of T cell subsets in vivo. Pedrazzini T, et al. **J Immunol** 1987 Sep 15;139(6):2032–7

Autoreactive T cells in mercury–induced autoimmune disease: in vitro demonstration. Pelletier L, et al. **J Immunol** 1986 Oct 15;137(8):2548–54

Kinetics and specificity of T and B cell responses in relapsing experimental allergic encephalomyelitis. Perry LL, et al. **J Immunol** 1987 Mar 1;138(5):1434–41

Epidermal lesions of the GVHR: evaluation of the role of different MHC and non MHC loci and of the Ly–2+ and L3T4+ T lymphocytes. Piguet PF, et al. **J Immunol** 1987 Jul 15;139(2):406–10

Use of the monoclonal antibody 12F1 to characterize the differentiation antigen VLA–2. Pischel KD, et al. **J Immunol** 1987 Jan 1;138(1):226–33

Cell surface sialic acid influences tumor cell recognition in the mixed lymphocyte reaction. Powell LD, et al. **J Immunol** 1987 Jul 1;139(1):262–70

Monoclonal antibodies against murine IFN–gamma abrogate in vivo tumor immunity against RSV–induced murine sarcomas. Prat M, et al. **J Immunol** 1987 Jun 15; 138(12):4530–3

Age–related defect in signal transduction during lectin activation of murine T lymphocytes. Proust JJ, et al. **J Immunol** 1987 Sep 1;139(5):1472–8

Antigen–presenting T cells. I. Class I alloantigen (bm1)–bearing T lymphoblasts efficiently stimulate a primary clonal response of Lyt–2+ cytotoxic lymphocyte precursors of B6 origin. Reimann J, et al. **J Immunol** 1987 Feb 15;138(4):1042–50

Soluble interleukin 2 receptors are released by long term–cultured insulin–specific T cells transiently after contact with antigen. Reske–Kunz AB, et al. **J Immunol** 1987 Jan 1;138(1):192–6

Polypeptide specificities of measles virus–reactive T cell lines and clones derived from a patient with multiple sclerosis. Richert JR, et al. **J Immunol** 1986 Oct 1;137(7):2190–4

Activation through CD3 molecule leads a number of human T cell clones to induce IgE synthesis in vitro by B cells from allergic and nonallergic individuals. Romagnani S, et al. **J Immunol** 1987 Mar 15;138(6):1744–9

T cell priming in vivo: a major role for B cells in presenting antigen to T cells in lymph nodes. Ron Y, et al. **J Immunol** 1987 May 1;138(9):2848–56

Unresponsiveness of MRL/MP–lpr/lpr mice to antigen given subcutaneously in adjuvant: partial restoration of response after local injection of B cells. Ron Y, et al. **J Immunol** 1987 Jul 15;139(2):400–5

Structure–function analysis of the Abm12 beta mutation using site–directed mutagenesis and DNA–mediated gene transfer. Ronchese F, et al. **J Immunol** 1987 Jul 15; 139(2):629–38

Sera from HTLV–III/LAV antibody–positive individuals mediate antibody–dependent cellular cytotoxicity against HTLV–III/LAV–infected T cells. Rook AH, et al. **J Immunol** 1987 Feb 15;138(4):1064–7

2'Deoxycoformycin and deoxyadenosine affect IL 2 production and IL 2 receptor expression of human T cells. Ruers TJ, et al. **J Immunol** 1987 Jan 1;138(1):116–22

Monoclonal antibodies reactive with swine lymphocytes. II. Detection of an antigen on resting T cells down–regulated after activation. Saalmüller A, et al. **J Immunol** 1987 Mar 15;138(6):1852–7

An analysis of T cell responsiveness in Indian kala–azar. Sacks DL, et al. **J Immunol** 1987 Feb 1;138(3):908–13

Cellular and humoral immunity to Leishmania major in genetically susceptible mice after in vivo depletion of L3T4+ T cells. Sadick MD, et al. **J Immunol** 1987 Aug 15;139(4):1303–9

Cloned auto–Ia–reactive T cells elicit lichen planus–like lesion in the skin of syngeneic mice. Saito K, et al. **J Immunol** 1986 Oct 15;137(8):2485–95

Deficiencies in suppressor T cell activity seen in patients with active systemic lupus erythematosus are due to the dilution of normally functioning suppressor T cells by nonsuppressor T cells. Sakane T, et al. **J Immunol** 1986 Dec 15;137(12):3809–13

Characterization of an anti–peptide antibody that recognizes the murine analogue of the human T cell antigen receptor–T3 delta–chain. Samelson LE, et al. **J Immunol** 1986 Nov 15;137(10):3254–8

Experimental allergic encephalomyelitis mediated by murine encephalitogenic T cell lines specific for myelin proteolipid apoprotein. Satoh J, et al. **J Immunol** 1987 Jan 1; 138(1):179–84

Immunoregulatory activity of recombinant human tumor necrosis factor (TNF)–alpha: induction of TNF receptors on human T cells and TNF–alpha–mediated enhancement of T cell responses. Scheurich P, et al. **J Immunol** 1987 Mar 15;138(6):1786–90

Modified responses to recipient and donor B cells by genetically donor T cells from human haploidentical bone marrow chimeras. Schiff SE, et al. **J Immunol** 1987 Apr 1;138(7):2088–94

Therapy of rat autoimmune disease by a monoclonal antibody specific for T lymphoblasts. Schluesener H, et al. **J Immunol** 1986 Dec 15;137(12):3814–20

Class–specific regulation of anti–DNA antibody synthesis and the age–associated changes in (NZB x NZW)F1 hybrid mice. Sekigawa I, et al. **J Immunol** 1987 May 1; 138(9):2890–5

A model for the selective loss of major histocompatibility complex self–restricted T cell immune responses during the development of acquired immune deficiency syndrome (AIDS). Shearer GM, et al. **J Immunol** 1986 Oct 15; 137(8):2514–21

Idiotype–specific helper cells (BH) express immunoglobulin markers and employ T cell function–associated molecules. Sherr DH, et al. **J Immunol** 1986 Dec 1;137(11):3406–13

IgE–enhancing activity directly and selectively affects activated B cells: evidence for a human IgE differentiation factor. Sherr EH, et al. **J Immunol** 1987 Jun 1; 138(11):3836–43

Phenotype and localization of thymocytes expressing the homing receptor–associated antigen MEL–14: arguments for the view that most mature thymocytes are located in the medulla. Shortman K, et al. **J Immunol** 1987 Jan 15; 138(2):342–51

Alloantigenic sites on class I major histocompatibility complex antigens: 61–69 region in the first domain of the H–2Kb molecule induces specific antibody and T cell responses. Singh B, et al. **J Immunol** 1986 Oct 1; 137(7):2311–8

Altered splenic T cell function of BALB/cByJ mice infected with mouse hepatitis virus or Sendai virus. Smith AL, et al. **J Immunol** 1987 May 15;138(10):3426–30

Anti–T cell monoclonal antibodies in vivo. I. Inhibition of delayed hypersensitivity but not cutaneous basophil hypersensitivity reactions. Sobel RA, et al. **J Immunol** 1987 Apr 15;138(8):2500–6

Anti–T cell monoclonal antibodies in vivo. II. Modulation of acute and chronic experimental allergic encephalomyelitis (EAE) in guinea pigs. Sobel RA, et al. **J Immunol** 1987 Apr 15;138(8):2507–13

Receptor diversity of insulin–specific T cell lines from

C57BL (H-2b) mice. Spinella DG, et al. **J Immunol** 1987 Jun 1;138(11):3991-5

Strong conformational propensities enhance T cell antigenicity. Spouge JL, et al. **J Immunol** 1987 Jan 1; 138(1):204-12

Arsonate-specific murine T cell clones. IV. Properties of I-E- and I-A-restricted clones. Spragg JH, et al. **J Immunol** 1987 Feb 15;138(4):1169-77

Isolation of an antigen-specific T suppressor factor that suppresses the in vivo response of DBA/2 mice to ferredoxin. Steele JK, et al. **J Immunol** 1987 Jul 15; 139(2):469-75

Immunization of DBA/2 mice with a T cell hybridoma-derived TsF increases immune resistance to the syngeneic tumors P815 and L1210. Steele JK, et al. **J Immunol** 1986 Nov 1;137(9):3025-30

Characterization of an anti-idiotypic T cell hybridoma involved in the regulation of the immune response to the P815 mastocytoma. Steele JK, et al. **J Immunol** 1986 Dec 1;137(11):3550-6

Induction of T cell-dependent B cell differentiation by anti-CD3 monoclonal antibodies. Stohl W, et al. **J Immunol** 1987 Mar 15;138(6):1667-73

A peripheral and central T cell antigen recognized by a monoclonal thymocytotoxic autoantibody from New Zealand black mice. Surh CD, et al. **J Immunol** 1987 Mar 1;138(5):1421-8

The regulatory role of sialic acids in the response of class II reactive T cell hybridomas to allogeneic B cells [published erratum appears in J Immunol 1986 Dec 15;137(12):4021] Taira S, et al. **J Immunol** 1986 Oct 15; 137(8):2448-54

IL 1 induction by murine T cell clones: detection of an IL 1-inducing lymphokine. Takacs L, et al. **J Immunol** 1987 Apr 1;138(7):2124-31

Cortical thymocyte differentiation in thymomas: an immunohistologic analysis of the pathologic microenvironment. Takacs L, et al. **J Immunol** 1987 Feb 1;138(3):687-98

Murine T lymphoma cells express a novel membrane-associated antigen with unique features. Takei F. **J Immunol** 1987 Jul 15;139(2):649-54

The T4 molecule differentially regulating the activation of subpopulations of T4+ cells. Takeuchi T, et al. **J Immunol** 1987 Aug 1;139(3):665-71

T cell hybridomas reactive with the acetylcholine receptor and its subunits. Tami JA, et al. **J Immunol** 1987 Feb 1; 138(3):732-8

T lymphocyte recognition of insolubilized peptide antigen. Thomas DW, et al. **J Immunol** 1986 Dec 1;137(11):3401-5

A human autoreactive T cell line specific for minor histocompatibility antigen(s) isolated from a bone marrow-grafted patient. Tilkin AF, et al. **J Immunol** 1986 Dec 15;137(12):3772-6

Autoreactive T cell clones of MHC class II specificities are produced during responses against foreign antigens in man. Tilkin AF, et al. **J Immunol** 1987 Feb 1;138(3):674-9

Human T cells targeted with anti-T3 cross-linked to antitumor antibody prevent tumor growth in nude mice. Titus JA, et al. **J Immunol** 1987 Jun 1;138(11):4018-22

Synthetic Plasmodium falciparum circumsporozoite peptides elicit heterogenous L3T4+ T cell proliferative responses in H-2b mice. Togna AR, et al. **J Immunol** 1986 Nov 1; 137(9):2956-60

Comparison of antigen specificity, class II major histocompatibility complex restriction, and in vivo behavior of myelin basic protein-specific T cell lines and clones derived from (BALB/c x SJL/J) mice. Trotter J, et al. **J Immunol** 1987 Sep 15;139(6):1834-9

Activation of an encephalitogenic T lymphocyte line with a cellfree supernatant containing basic protein and I region gene products. Vandenbark AA, et al. **J Immunol** 1987 Jan 15;138(2):452-9

Tissue distribution and biochemical and functional properties of Tp55 (CD27), a novel T cell differentiation antigen. van Lier RA, et al. **J Immunol** 1987 Sep 1;139(5):1589-96

Role of cytotoxic T lymphocytes in the prevention of lupus-like disease occurring in a murine model of graft-vs-host disease. Via CS, et al. **J Immunol** 1987 Sep 15;139(6):1840-9

Thymocyte binding to human thymic epithelial cells is inhibited by monoclonal antibodies to CD-2 and LFA-3 antigens. Vollger LW, et al. **J Immunol** 1987 Jan 15; 138(2):358-63

Depletion of T-4+ lymphocytes with monoclonal antibody reactivates toxoplasmosis in the central nervous system: a model of superinfection in AIDS. Vollmer TL, et al. **J Immunol** 1987 Jun 1;138(11):3737-41

T lymphocyte-dependent evolution of bacterial cell wall-induced hepatic granulomas. Wahl SM, et al. **J Immunol** 1986 Oct 1;137(7):2199-209

Identification of a rabbit class I-like thymocyte-specific antigen. Wang CR, et al. **J Immunol** 1987 May 15; 138(10):3352-9

Stimulation of T lymphocyte proliferation by monoclonal antibodies against GD3 ganglioside. Welte K, et al. **J Immunol** 1987 Sep 15;139(6):1763-71

Induction of macrophage Ia expression by lipopolysaccharide and Listeria monocytogenes in congenitally athymic nude mice. Wentworth PA, et al. **J Immunol** 1987 May 15; 138(10):3167-73

Autoreactivity accelerates the development of autoimmunity and lymphoproliferation in MRL/Mp-lpr/lpr mice. Weston KM, et al. **J Immunol** 1987 Aug 1;139(3):734-42

Modulation of CD4 by antigenic activation. Weyand CM, et al. **J Immunol** 1987 Mar 1;138(5):1351-4

Tolerance induction in mice by conjugates of monoclonal immunoglobulins and monomethoxypolyethylene glycol. Transfer of tolerance by T cells and by T cell extracts. Wilkinson I, et al. **J Immunol** 1987 Jul 15;139(2):326-31

The correlation of lectin-stimulated proliferation and cytotoxicity in murine thymocytes with expression of the MEL-14-defined homing receptor. Wilson A, et al. **J Immunol** 1987 Jan 15;138(2):352-7

Bi-specific monoclonal antibodies: selective binding and complement fixation to cells that express two different surface antigens. Wong JT, et al. **J Immunol** 1987 Aug 15;139(4):1369-74

Macrophage activation for antileishmanial defense by an apparently novel mechanism. Wyler DJ, et al. **J Immunol** 1987 Feb 15;138(4):1246-9

T3-T cell receptor (Ti) complex-independent activation of T cells by wheat germ agglutinin. Yachie A, et al. **J Immunol** 1987 May 1;138(9):2843-7

Stimulation of T cells via the TAP molecule, a member in a family of activating proteins encoded in the Ly-6 locus. Yeh ET, et al. **J Immunol** 1987 Jan 1;138(1):91-7

T cell specificity for class II (I-A) and the encephalitogenic N-terminal epitope of the autoantigen myelin basic protein. Zamvil SS, et al. **J Immunol** 1987 Aug 15;139(4):1075-9

Proliferative and cytotoxic T cells to AIDS virus glycoproteins in chimpanzees immunized with a recombinant vaccinia virus expressing AIDS virus envelope glycoproteins. Zarling JM, et al. **J Immunol** 1987 Aug 15;139(4):988-90

The mitogenic activity of staphylococcal enterotoxin B (SEB): a monovalent T cell mitogen that stimulates cytolytic T lymphocytes but cannot mediate their lytic interaction. Zehavi-Willner T, et al. **J Immunol** 1986 Oct 15;137(8):2682-7

Anti-CD3 activation of T cells with immunoglobulin coupled red cells. Aaron S. **J Immunol Methods** 1987 Aug 24; 102(1):1-5

The use of an HTLV-I-infected human T-cell line (ATH8) in an interleukin-2 bioassay. Antonen J, et al. **J Immunol Methods** 1987 May 20;99(2):271-5

Determination of the T3-3A1 antigen in PHA-induced human T-cells by standardized cell-ELISA. Baumgarten H, et al. **J Immunol Methods** 1987 Feb 11;96(2):201-9

An ELISA for anti-thymocyte autoantibody in NZB mice. Comparison with the cytotoxic assay. Bocchieri MH. **J Immunol Methods** 1987 Aug 3;101(2):245-9

Analysis of human lymphocyte transformation responses to graded doses of T cell mitogens by curve fitting. Cason J, et al. **J Immunol Methods** 1987 Aug 24;102(1):109-17

Improvement of the in vitro T cell proliferation assay by a modified method that separates the antigen recognition and IL-2-dependent steps. Chain B, et al. **J Immunol Methods** 1987 May 20;99(2):221-8

Presence of mitomycin resistant T cells in peripheral blood of normal individuals. Fernandez LA, et al. **J Immunol Methods** 1987 Apr 16;98(2):271-7

Detection of triple antibody-binding lymphocytes in standard single laser flow cytometry using colloidal gold, fluorescein and phycoerythrin as labels. Festin R, et al. **J Immunol Methods** 1987 Jul 16;101(1):23-8

Quantitative measurement of T-lymphocyte activation by an enzyme-linked immunosorbent assay (ELISA) detecting interleukin-2 receptor expression. Igietseme JU, et al. **J Immunol Methods** 1987 Feb 26;97(1):123-31

A specific assay measuring binding of 125I-Gp 120 from HIV to T4+/CD4+ cells. Lundin K, et al. **J Immunol Methods** 1987 Feb 26;97(1):93-100

Isolation of anti-idiotypic antibodies to T cells using an anti-framework determinant antibody. Maecker HT, et al. **J Immunol Methods** 1987 Apr 16;98(2):219-26

A human T cell line established from a patient with Sézary syndrome. Application for assay of human interleukin 2 (IL-2). Namiuchi S, et al. **J Immunol Methods** 1986 Nov 20;94(1-2):215-24

Optimization of antigen presentation to T cell hybridomas by purified Ia molecules in planar membranes. Ia molecule polymorphism determines the antigenic fine specificity of the response to cytochrome c peptides. Quill H, et al. **J Immunol Methods** 1987 Apr 2;98(1):29-41

Effect of benzodiazepine derivatives: I. Augmentation of T cell-dependent antibody response by diazepam in mouse spleen cells. Okimura T, et al. **J Immunopharmacol** 1986; 8(3):327-46

Antigenic mimicry between measles virus and human T lymphocytes [letter] Bahmanyar S, et al. **J Infect Dis** 1987 Sep;156(3):526-7

Stimulation of T lymphocyte-dependent differentiation of activated human B lymphocytes by Plasmodium falciparum supernatants. Ballet JJ, et al. **J Infect Dis** 1987 May; 155(5):1037-40

Immunoregulatory lymphocyte populations in disseminated histoplasmosis of infancy. Clapp DW, et al. **J Infect Dis** 1987 Oct;156(4):687-8

Measles virus and mumps virus induce gamma interferon differently in human lymphocyte cultures. Nakayama T, et al. **J Infect Dis** 1987 May;155(5):1051-4

Granulomatous slack skin: clonal rearrangement of the T-cell receptor beta gene is evidence for the lymphoproliferative nature of a cutaneous elastolytic disorder. LeBoit PE, et al. **J Invest Dermatol** 1987 Aug;89(2):183-6

Interleukin-2-induced chemotaxis of human T-lymphocytes. Robbins RA, et al. **J Lab Clin Med** 1986 Oct;108(4):340-5

The immunoregulatory nature of iron. II. Lymphocyte surface marker expression. Bryan CF, et al. **J Leukocyte Biol** 1986 Nov;40(5):589-600

Effect of mitogens on the cell cycle progression and the quantification of T-lymphocyte surface markers in acquired immune deficiency syndrome. Hornicek FJ, et al. **J Leukocyte Biol** 1987 Aug;42(2):122-7

Regulation of large granular lymphocytes and human T cell growth and function by recombinant interleukin 2. II. Acquisition of potent cytotoxic capabilities. Yamada S, et al. **J Leukocyte Biol** 1987 Sep;42(3):263-72

Cellular immunity and T-lymphocyte subsets in young children with acute measles. Dagan R, et al. **J Med Virol** 1987 Jun;22(2):175-82

Identification and quantitation of the expression of T cell surface markers during the development of chronic relapsing experimental allergic encephalomyelitis (CREAE) in the guinea pig. Antoniou AV, et al. **J Neuroimmunol** 1987 Apr;14(3):293-303

Suppression of the immune response by benzodiazepine receptor inverse agonists. Arora PK, et al. **J Neuroimmunol** 1987 May;15(1):1-9

Reduced susceptibility of T cell-deficient rats to induction of experimental allergic neuritis. Brosnan JV, et al. **J Neuroimmunol** 1987 Apr;14(3):267-82

Influence of T cell specificity on the antibody response to the acetylcholine receptor. Krolick KA, et al. **J Neuroimmunol** 1986 Nov;13(1):75-87

Analysis of T cell receptor-gene rearrangement in T cells from the cerebrospinal fluid of patients with multiple sclerosis. Rotteveel FT, et al. **J Neuroimmunol** 1987 Jul-Aug;15(3):243-9

T cell line-mediated EAE: prevention and therapy by a monoclonal antibody specific for T lymphoblasts. Schluesener HJ. **J Neuroimmunol** 1987 Apr;14(3):339-43

CD4+ T cell activation in multiple sclerosis. Verselis SJ, et al. **J Neuroimmunol** 1987 Feb;14(1):75-85

T lymphocyte-derived demyelinating activity in multiple sclerosis patients in relapse. Selmaj K, et al. **J Neurol Neurosurg Psychiatry** 1987 May;50(5):532-7

Cyclosporine enhances virally induced T-cell-mediated demyelination. The effect of cyclosporine on a demyelinating virus infection. Fazakerley JK, et al. **J Neurol Sci** 1987 Mar;78(1):35-50

Activated T-cells and macrophages in the cerebrospinal fluid and the spinal meningeal exudate in chronic relapsing experimental allergic encephalomyelitis. Suckling AJ, et al. **J Neurol Sci** 1987 May;78(3):241-52

The immunopathology of acute experimental allergic encephalomyelitis. IV. An ultrastructural immunocytochemical study of class II major histocompatibility complex molecule (Ia) expression. Sobel RA, et al. **J Neuropathol Exp Neurol** 1987 May; 46(3):239-49

Experimental allergic encephalomyelitis (EAE): role of B cell and T cell epitopes in the development of EAE in Lewis rats. Hashim GA, et al. **J Neurosci Res** 1987; 17(4):375-83

Response of rat encephalitogenic T lymphocyte lines to synthetic peptides of myelin basic protein. Offner H, et al. **J Neurosci Res** 1987;17(4):344-8

Chronic neurologic dysfunction and demyelination induced in Lewis rats by repeated injections of encephalitogenic T-lymphocyte lines. Vandenbark AA, et al. **J Neurosci Res** 1986;16(4):643-56

Effect fixation on T and B lymphocyte surface membrane antigen demonstration in paraffin processed tissue. Holgate CS, et al. **J Pathol** 1986 Aug;149(4):293-300

The demonstration of B-cell, T-cell and myeloid antigens in paraffin sections. West KP, et al. **J Pathol** 1986 Oct; 150(2):89-101

Effect of growth hormone therapy on immune function [letter] Ammann AJ, et al. **J Pediatr** 1987 Apr;110(4):663-5

T-cell requirement for establishment of the IgG-dominant B-cell lesion in periodontitis. Okada H, et al. **J Periodont Res** 1987 May;22(3):187-9

Immune rosettes of T and B lymphocytes in infertile women with endometriosis. Badawy SZ, et al. **J Reprod Med** 1987 Mar;32(3):194-7

Circulating HLA-DR bearing T cells: correlation with genetic rather than clinical variables. Clegg DO, et al. **J Rheumatol** 1986 Oct;13(5):870-4

2 dimensional flow cytometric analysis of activation antigens expressed on the synovial fluid T cells in rheumatoid arthritis. Goto M, et al. **J Rheumatol** 1987 Apr;14(2):230-3

Increased expression of Epstein-Barr virus receptor on lymphoblastoid cell lines from subsets of patients with rheumatoid arthritis. Kahan A, et al. **J Rheumatol** 1986 Dec;13(6):1024-7

Suppressor T cell activity in lymphoid interstitial pneumonia. Majeski JA, et al. **J Surg Oncol** 1987 Jan;34(1):61-3

Interactions between macrophages and T-lymphocytes: tumor sneaking through intrinsic to helper T cell dynamics. de Boer RJ, et al. **J Theor Biol** 1986 Jun 7;120(3):331-51

Long-term depressed immune function in patients splenectomized for trauma. Downey EC, et al. **J Trauma** 1987 Jun;27(6):661-3

Prostaglandin E2 (PGE2)-dependent suppression of

interleukin alpha (IL-2) production in patients with major trauma. Faist E, et al. **J Trauma** 1987 Aug;27(8):837-48

Cross reactivity of a monoclonal pan T-cell antibody (anti-Leu 4) with prostate epithelium. Grignon DJ, et al. **J Urol** 1987 Feb;137(2):330-2

Requirement of a thymus dependent immune response for BCG-mediated antitumor activity. Ratliff TL, et al. **J Urol** 1987 Jan;137(1):155-8

Direct identification of class II histocompatibility DR proteins in preparations of human T-cell lymphotropic virus type III. Henderson LE, et al. **J Virol** 1987 Feb; 61(2):629-32

Mechanism of recovery from acute virus infection: treatment of lymphocytic choriomeningitis virus-infected mice with monoclonal antibodies reveals that Lyt-2+ T lymphocytes mediate clearance of virus and regulate the antiviral antibody response. Moskophidis D, et al. **J Virol** 1987 Jun; 61(6):1867-74

CD8-positive T lymphocytes specific for murine cytomegalovirus immediate-early antigens mediate protective immunity. Reddehase MJ, et al. **J Virol** 1987 Oct;61(10):3102-8

Modification of acute murine cytomegalovirus adrenal gland infection by adoptive spleen cell transfer. Shanley JD. **J Virol** 1987 Jan;61(1):23-8

Native and recombinant herpes simplex virus type 1 envelope proteins induce human immune T-lymphocyte responses. Torseth JW, et al. **J Virol** 1987 May;61(5):1532-9

Lymphocytes and antibody in retrovirus-induced feline pure red cell aplasia. Abkowitz JL, et al. **JNCI** 1987 Jan; 78(1):135-9

Effect of 1 alpha,25-dihydroxyvitamin D3 on proliferation of activated T-cells and established human lymphotropic virus type I-positive T-cell lines. Nakao Y, et al. **JNCI** 1987 Jun;78(6):1079-86

Immune suppression in healthy carriers of adult T-cell leukemia retrovirus (HTLV-I): impairment of T-cell control of Epstein-Barr virus-infected B-cells. Katsuki T, et al. **Jpn J Cancer Res** 1987 Jul;78(7):639-42

Requirements of adherent cells for activating Lyt-1+2- T cells as well as for functioning as antitumor effectors activated by factor(s) from Lyt-1+2- T cells. Sakamoto K, et al. **Jpn J Cancer Res** 1986 Nov;77(11):1142-52

T cell receptor beta chain gene rearrangements in leukemias with immature T cell phenotype. Suzuki H, et al. **Jpn J Cancer Res** 1986 Nov;77(11):1069-73

The role of L3T4-positive T lymphocytes in the generation of anti-tumor immunity in the mouse. Yamamoto H, et al. **Jpn J Cancer Res** 1987 Feb;78(2):176-84

The role of anti-asialo GM1 antibody-sensitive cells in the implementation of tumor-specific T cell-mediated immunity in vivo. Yoshioka T, et al. **Jpn J Cancer Res** 1986 Aug;77(8):825-32

Lymphokine (MIF) production by glomerular T-lymphocytes in experimental glomerulonephritis. Boyce NW, et al. **Kidney Int** 1986 Nov;30(5):673-7

Experimental strategies for the study of cellular immunity in renal disease. Neilson EG, et al. **Kidney Int** 1986 Aug; 30(2):264-79 (285 ref.)

Interferon (IFN)-gamma production by T cell subsets after vaccination with live mumps vaccine. Nakayama T, et al. **Kitasato Arch Exp Med** 1986 Jun;59(1-2):21-6

Treatment of aplastic anemia with cyclosporin A, methylprednisolone, and antithymocyte globulin. Frickhofen N, et al. **Klin Wochenschr** 1986 Nov 17; 64(22):1165-70

Cell-mediated autoimmunity at the onset of insulin-dependent diabetes mellitus (IDDM). Ziegler AG, et al. **Klin Wochenschr** 1987 Jul 15;65(12):546-50

Single cell studies on the immunological marker profile of plasmacytoid T-zone cells. Beiske K, et al. **Lab Invest** 1987 Apr;56(4):381-93

Demyelination induced by T cell lines and clones specific for myelin basic protein in mice. Tabira T, et al. **Lab Invest** 1987 May;56(5):518-25

Antibodies to T cell antigen receptor beta chain families detect monoclonal T cell proliferation [published erratum appears in Lancet 1986 Dec 6;2(8519):1342] Clark DM, et al. **Lancet** 1986 Oct 11;2(8511):835-7

An HLA-linked gene controls susceptibility to lepromatous leprosy through T cell regulation. Kikuchi I, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:139-42

The identification of T cell epitopes in Mycobacterium tuberculosis using human T lymphocyte clones. Lamb JR, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:131-7

Attempts to assess the contribution of T lymphocytes from the L3T4+ and LYT2+ subsets in the immunological control of cutaneous leishmaniasis. Louis JA, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:255-61

T-lymphocyte clones from leprosy skin lesions. Modlin RL, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:143-7

Characteristics of human T-cell clones from BCG and killed M. leprae vaccinated subjects and tuberculosis patients. Recognition of recombinant mycobacterial antigens. Mustafa AS, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:123-30

Reversal of T cell unresponsiveness in lepromatous leprosy. Nath I. **Lepr Rev** 1986 Dec;57 Suppl 2:207-12

Murine T-cell reactivity to cloned Mycobacterium leprae antigens. Salgame PR, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:301-4

Rearrangement of immunoglobulin heavy chain genes and T3 expression in the absence of rearrangement of T-cell receptor beta-chain gene in a patient with T-cell malignant lymphoma. Ogawa H, et al. **Leuk Res** 1986;10(12):1369-75

Standard conditioning regimen and T-depleted donor bone marrow for transplantation in chronic myeloid leukemia. Papa G, et al. **Leuk Res** 1986;10(12):1469-75

Constitutive production of a non-interferon macrophage activating factor by HTLV-transformed T cells. Lee JC. **Lymphokine Res** 1986;5 Suppl 1:S127-32

Analysis of IL-2 producing subsets of human lymphocytes. Maino VC, et al. **Lymphokine Res** 1986;5 Suppl 1:S61-6

Activation of murine thymocytes in vivo. Part II: Study of blastogenesis, the synthesis of macromolecules and the cytotoxic response after stimulation with phytohemagglutinin. Chaudhuri TK, et al. **Lymphology** 1986 Sep;19(3):117-24

Mechanisms of age-related decline in antigen-specific T cell proliferative response: IL-2 receptor expression and recombinant IL-2 induced proliferative response of purified Tac-positive T cells. Negoro S, et al. **Mech Ageing Dev** 1986 Nov 14;36(3):223-41

Monoclonal antibodies for kidney allograft rejection. **Med Lett Drugs Ther** 1986 Oct 10;28(724):97-8

Human thymic and peripheral blood non-MHC-restricted cytotoxic lymphocytes. Lanier LL, et al. **Med Oncol Tumor Pharmacother** 1986;3(3-4):247-54 (39 ref.)

Peripheral blood and tumor-infiltrating mononuclear cell analysis in esophagus and head and neck cancer. Lozac'h P, et al. **Med Oncol Tumor Pharmacother** 1987;4(1):7-10

Muramyl dipeptide induced augmentation of the proliferative response of thymocytes to phytohemagglutinin. Aida Y, et al. **Microbiol Immunol** 1987;31(2):169-78

Role of thymus-derived lymphocytes in acquired immunity to salmonellosis in mice. Chander R, et al. **Microbiol Immunol** 1986;30(12):1299-306

Mechanism of anti-DNA antibody formation. The functional modulation of helper T-subset plays the key role in both murine and human B-cell autosensitization. Nakamura K, et al. **Microbiol Immunol** 1986;30(7):703-15

Heterogeneity in immunologic functions of rat alveolar macrophages--their accessory cell function and IL-1 production. Oghiso Y. **Microbiol Immunol** 1987; 31(3):247-60

Modulation of IgE synthesis by IgE-binding factors released by T cells of asthmatic patients with elevated serum IgE. Yanagihara Y, et al. **Microbiol Immunol** 1987;31(3):261-74

Modification of the T, K and NK cell population in experimental infection of mice with Aspergillus niger. Romano Carratelli C, et al. **Microbiologica** 1986 Oct; 9(4):461-9

T-cell receptor and immunoglobulin genes are rearranged together in Abelson virus-transformed pre-B and pre-T cells. Cook WD, et al. **Mol Cell Biol** 1987 Jan;7(1):266-72

Rearrangement and expression of T-cell antigen receptor genes in human T-lymphocyte tumor lines and normal human T-cell clones: evidence for allelic exclusion of Ti beta gene expression and preferential use of a J beta 2 gene segment. Leiden JM, et al. **Mol Cell Biol** 1986 Sep; 6(9):3207-14

Regulation of human T-lymphocyte gene expression by interleukin 2: immediate-response genes include the proto-oncogene c-myb. Pauza CD. **Mol Cell Biol** 1987 Jan;7(1):342-8

Molecular analysis of antigen recognition by insulin-specific T-cell hybridomas from B6 wild-type and bm12 mutant mice. Sherman DH, et al. **Mol Cell Biol** 1987 May; 7(5):1865-72

Promoter region of interleukin-2 gene undergoes chromatin structure changes and confers inducibility on chloramphenicol acetyltransferase gene during activation of T cells. Siebenlist U, et al. **Mol Cell Biol** 1986 Sep; 6(9):3042-9

Functionally relevant membrane proteins of human and guinea-pig T lymphocytes. Burger R, et al. **Mol Immunol** 1986 Nov;23(11):1149-56 (57 ref.)

Serologic identification of the murine T3 homologue by cross-reactive xenogeneic anti-human T3 antisera. Kubo RT, et al. **Mol Immunol** 1987 Feb;24(2):201-4

Definition of discrete signals involved in human T-cell activation. Meuer S, et al. **Mol Immunol** 1986 Nov; 23(11):1157-63

Occult (non-surface expression) of T, B and monocyte markers in human large granular lymphocytes. Morgan AC Jr, et al. **Mol Immunol** 1987 Feb;24(2):117-25

Marker and function analysis of natural killer and alloreactive T cells during early stages of dimethylbenzanthracene carcinogenesis. The immunity system during the precancer period. Ehrlich R, et al. **Nat Immun Cell Growth Regul** 1986;5(6):305-16

Identification of the T-cell and Ia contact residues of a T-cell antigenic epitope. Allen PM, et al. **Nature** 1987 Jun 25-Jul 1;327(6124):713-5

Characterization of murine thymocytes with CD3-associated T-cell receptor structures. Bluestone JA, et al. **Nature** 1987 Mar 5-11;326(6108):82-4

A T-cell receptor gamma/CD3 complex found on cloned functional lymphocytes. Borst J, et al. **Nature** 1987 Feb 19-25;325(6106):683-8

Rearrangement of a chicken immunoglobulin gene occurs in the lymphoid lineage of transgenic mice. Bucchini D, et al. **Nature** 1987 Mar 26-Apr 1;326(6111):409-11

A novel family of human major histocompatibility complex-related genes not mapping to chromosome 6. Calabi F, et al. **Nature** 1986 Oct 9-15;323(6088):540-3

Association of phosphorylation of the T3 antigen with immune activation of T lymphocytes. Cantrell D, et al. **Nature** 1987 Feb 5-11;325(6104):540-2

Differentiation potential of subsets of CD4-8- thymocytes. Crispe IN, et al. **Nature** 1987 Sep 24-30;329(6137):336-9

Transfection of the CD8 gene enhances T-cell recognition. Dembić Z, et al. **Nature** 1987 Apr 2-8;326(6112):510-1

A novel population of T-cell receptor alpha beta-bearing thymocytes which predominantly expresses a single V beta gene family. Fowlkes BJ, et al. **Nature** 1987 Sep 17-23; 329(6136):251-4

Functional interaction between human T-cell protein CD4 and the major histocompatibility complex HLA-DR antigen. Gay D, et al. **Nature** 1987 Aug 13-19; 328(6131):626-9

Direct activation of resting T lymphocytes by human T-lymphotropic virus type I. Gazzolo L, et al. **Nature** 1987 Apr 16-22;326(6114):714-7

Interaction of peptide antigens and class II major histocompatibility complex antigens. Guillet JG, et al. **Nature** 1986 Nov 20-26;324(6094):260-2

Thy-1-mediated T-cell activation requires co-expression of CD3/Ti complex. Gunter KC, et al. **Nature** 1987 Apr 2-8; 326(6112):505-7

HLA-DQ is epistatic to HLA-DR in controlling the immune response to schistosomal antigen in humans. Hirayama K, et al. **Nature** 1987 Jun 4-10;327(6121):426-30

Alternative pathway activation of T cells by binding of CD2 to its cell-surface ligand. Hünig T, et al. **Nature** 1987 Mar 19-25;326(6110):298-301

Importance of IL-2 receptors in intra-thymic generation of cells expressing T-cell receptors. Jenkinson EJ, et al. **Nature** 1987 Sep 10-16;329(6135):160-2

Presence of Ti (WT31) negative T lymphocytes in normal blood and thymus. Lanier LL, et al. **Nature** 1986 Nov 20-26;324(6094):268-70

Unusual intron in the immunoglobulin domain of the newly isolated murine CD4 (L3T4) gene. Littman DR, et al. **Nature** 1987 Jan 29-Feb 4;325(6103):453-5

Characterization of an expressed CD3-associated Ti gamma-chain reveals C gamma domain polymorphism. Littman DR, et al. **Nature** 1987 Mar 5-11;326(6108):85-8

Nomenclature of immunological markers [letter] Milstein C. **Nature** 1987 Mar 26-Apr 1;326(6111):337

An inducible transcription factor activates expression of human immunodeficiency virus in T cells. Nabel G, et al. **Nature** 1987 Apr 16-22;326(6114):711-3

T gamma protein is expressed on murine fetal thymocytes as a disulphide-linked heterodimer. Nakanishi N, et al. **Nature** 1987 Feb 19-25;325(6106):720-3

Failure to find holes in the T-cell repertoire. Ogasawara K, et al. **Nature** 1987 Jan 29-Feb 4;325(6103):450-2

Differential expression of two distinct T-cell receptors during thymocyte development. Pardoll DM, et al. **Nature** 1987 Mar 5-11;326(6108):79-81

T-cell receptors. Who needs more? [news] Reinherz EL. **Nature** 1987 Feb 19-25;325(6106):660-3

Antigen presentation: fugue in T-lymphocyte recognition [news] Schwartz RH. **Nature** 1987 Apr 23-29; 326(6115):738-9

The T lymphocyte glycoprotein CD2 binds the cell surface ligand LFA-3. Selvaraj P, et al. **Nature** 1987 Mar 26-Apr 1;326(6111):400-3

Structural characteristics of an antigen required for its interaction with Ia and recognition by T cells. Sette A, et al. **Nature** 1987 Jul 30-Aug 5;328(6129):395-9

Transient expression of IL-2 receptor precedes the differentiation of immature thymocytes. Shimonkevitz RP, et al. **Nature** 1987 Sep 10-16;329(6135):157-9

Expression and function of CD4 in a murine T-cell hybridoma. Sleckman BP, et al. **Nature** 1987 Jul 23-29; 328(6128):351-3

Interleukin-2 receptor proteins [news] Trowbridge I. **Nature** 1987 Jun 11-17;327(6122):461-2

Predominant use of a V alpha gene segment in mouse T-cell receptors for cytochrome c. Winoto A, et al. **Nature** 1986 Dec 18-31;324(6098):679-82

T-cell epitope of the autoantigen myelin basic protein that induces encephalomyelitis. Zamvil SS, et al. **Nature** 1986 Nov 20-26;324(6094):258-60

T-cell responses to human AIDS virus in macaques immunized with recombinant vaccinia viruses. Zarling JM, et al. **Nature** 1986 Sep 25-Oct 1;323(6086):344-6

Immunological reactivity in children with Wilms' tumor. Kowalczyk D, et al. **Neoplasma** 1986;33(4):509-18

Mercury-induced autoimmune glomerulonephritis: requirement for T-cells. Pelletier L, et al. **Nephrol Dial Transplant** 1987;1(4):211-8

Serial analysis of peripheral blood T-cell phenotypes and myelin basic protein reactivity in experimental allergic encephalomyelitis. Fallis RJ, et al. **Neurology** 1987 Apr; 37(4):719-23

T-lymphocyte function in Alzheimer's disease. Torack RM. **Neurosci Lett** 1986 Nov 21;71(3):365-9

The effects of bovine T lymphocytes bearing immunoglobulin G receptors on the plaque forming cell response. Inokuma H, et al. **Nippon Juigaku Zasshi** 1986 Oct;48(5):1049-52

Preparation of monoclonal antibodies reacting with bovine cortical thymocytes. Koyama H, et al. **Nippon Juigaku Zasshi** 1987 Jun;49(3):433-7

Heterogeneous expression of Leu3/T4 antigen on cord T cells. Negoro T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Mar;39(3):488–9
Structural analysis of the mouse chromosomal gene encoding interleukin 4 which expresses B cell, T cell and mast cell stimulating activities. Otsuka T, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):333–44
T-cell mitogenesis and natural killer cell activity in colonic tumor–bearing and nontumor–bearing rats fed diets high in lipid with and without cholesterol. Kraus LJ, et al. **Nutr Cancer** 1987;9(2–3):159–70
Immunohistochemical study of mononuclear cell infiltrates in squamous cell carcinoma of oral cavity and paranasal sinus. Ogawa Y, et al. **Oncology** 1987;44(4):219–23
Animal experiments on the role of T lymphocytes in the course of antineoplastic chemotherapy. I. Chemotherapy and tumor–specific immunity. Bier H, et al. **ORL J Otorhinolaryngol Relat Spec** 1987;49(1):48–55
Elevated levels of a lymphocyte subset accurately predict the diabetic state in the BB rat. Francfort JW, et al. **Pancreas** 1987;2(2):141–5
Bovine helper T-cell clones specific for lymphocytes infected with Theileria parva (Muguga). Baldwin CL, et al. **Parasite Immunol** 1987 Jul;9(4):499–513
Evaluation of T-cell subsets in the lesion infiltrates of human cutaneous and mucocutaneous leishmaniasis. Barral A, et al. **Parasite Immunol** 1987 Jul;9(4):487–97
Specific suppression of delayed hypersensitivity expression to Trypanosoma cruzi in mice. Blotta MH, et al. **Parasite Immunol** 1986 Nov;8(6):651–61
Cellular mechanisms involved in recovery from acute malaria in Gambian children. Brown J, et al. **Parasite Immunol** 1986 Nov;8(6):551–64
Opisthorchis viverrini: pathogenesis of infection in immunodeprived hamsters. Flavell DJ, et al. **Parasite Immunol** 1986 Sep;8(5):455–66
Thymocyte–dependent immunity to toxoplasmosis in the normal and immunocompromised guinea–pig host. Pavia CS. **Parasite Immunol** 1987 Mar;9(2):205–18
Analysis of B cell and T cell proliferative responses induced by monomorphic and pleomorphic Trypanosoma brucei parasites in mice. Sendashonga CN, et al. **Parasite Immunol** 1986 Sep;8(5):443–53
Active suppression of interleukin 2 secretion in mice infected with Trypanosoma brucei AnTat 1.1.E. Sileghem M, et al. **Parasite Immunol** 1986 Nov;8(6):641–9
Evaluation of spleen lymphocyte responsiveness to a T-cell mitogen during early infection with larval Taenia taeniaeformis. Letonja T, et al. **Parasitol Res** 1987; 73(3):265–70
Effect of anti–thymocyte serum on the eosinophil and lysophospholipase responses in mice infected with Trichinella spiralis. Adewusi K, et al. **Parasitology** 1987 Feb;94 (Pt 1):115–22
Myelin basic protein–specific T cell clones and experimental allergic encephalomyelitis. Lemire JM, et al. **Pathol Immunopathol Res** 1986;5(3–5):248–52
T–lymphocytes: an update. Hayward AR. **Pediatr Ann** 1987 May;16(5):391–4
cDNA cloning and sequence of MAL, a hydrophobic protein associated with human T-cell differentiation. Alonso MA, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1997–2001
Lymphocyte major histocompatibility complex–encoded class II structures may act as sperm receptors. Ashida ER, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3395–9
Differential regulation of colony–stimulating factors and interleukin 2 production by cyclosporin A. Bickel M, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3274–7
Induced differentiation of a transformed clone of Ly–1+ B cells by clonal T cells and antigen. Bishop GA, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7410–4
Presence of preactivated T cells in hemodialyzed patients: their possible role in altered immunity. Chatenoud L, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7457–61
Peptide and nucleotide sequences of rat CD4 (W3/25) antigen: evidence for derivation from a structure with four immunoglobulin–related domains. Clark SJ, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1649–53
Functional characterization of an antigen involved in an early step of T-cell activation. Cosulich ME, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4205–9
Synergism in the activation of human CD8 T cells by cross–linking the T-cell receptor complex with the CD8 differentiation antigen. Emmrich F, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8298–302
Graft–vs.–host disease elicits expression of class I and class II histocompatibility antigens and the presence of scattered T lymphocytes in rat central nervous system. Hickey WF, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):2082–6
Molecular cloning of Ly–1, a membrane glycoprotein of mouse T lymphocytes and a subset of B cells: molecular homology to its human counterpart Leu–1/T1 (CD5). Huang HJ, et al. **Proc Natl Acad Sci USA** 1987 Jan; 84(1):204–8
DNA segment containing C beta 1, a gene for the constant region of the beta chain of the T-cell antigen receptor, was inserted into chromosome 6 in cells from one patient with human T-cell leukemia. Ino T, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4264–7
Identification of a second T–cell antigen receptor in human and mouse by an anti–peptide gamma–chain–specific monoclonal antibody. Ioannides CG, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4244–8
In vitro modulation of antigen–primed T cells by a glycosylation–inhibiting factor that regulates the formation of antigen–specific suppressive factors. Iwata M, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2444–8
Induction of murine interleukin 1: stimuli and responsive primary cells. Koide S, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3802–6
T3 glycoprotein is functional although structurally distinct on human T–cell receptor gamma T lymphocytes. Krangel MS, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3817–21
Identification of a peptide binding protein that plays a role in antigen presentation. Lakey EK, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1659–63
Crosslinking of surface antigens causes mobilization of intracellular ionized calcium in T lymphocytes. Ledbetter JA, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1384–8
Identification of a monoclonal antibody specific for a murine T3 polypeptide. Leo O, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1374–8
Human T–cell lymphotropic virus IIIB glycoprotein (gp120) bound to CD4 determinants on normal lymphocytes and expressed by infected cells serves as target for immune attack. Lyerly HK, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4601–5
Induction of synthesis of the cytolytic C9 (ninth component of complement)–related protein in human peripheral mononuclear cells by monoclonal antibody OKT3 or interleukin 2: correlation with cytotoxicity and lymphocyte phenotype. Martin DE, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2946–50
Isolation of CD1 genes: a family of major histocompatibility complex–related differentiation antigens. Martin LH, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9154–8
Selection and characterization of T–cell variants lacking molecules involved in T–cell activation (T3 T–cell receptor, T44, and T11): analysis of the functional relationship among different pathways of activation. Moretta A, et al. **Proc Natl Acad Sci USA** 1987 Mar; 84(6):1654–8
AKR murine thymic leukemias are from a distinct thymic cell lineage and do not express the beta chain of the T–cell antigen receptor. Owen FL, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7434–7
Isolation of a human major histocompatibility complex class I gene encoding a nonubiquitous molecule expressed on activated lymphocytes. Paul P, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2872–6
Interleukin 2 binding molecule distinct from the Tac protein: analysis of its role in formation of high–affinity receptors. Robb RJ, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(7):2002–6
Two different biosynthetic pathways for the secretion of Qa region–associated class I antigens by mouse lymphocytes. Robinson PJ. **Proc Natl Acad Sci USA** 1987 Jan; 84(2):527–31
Molecular cloning and expression of T11 cDNAs reveal a receptor–like structure on human T lymphocytes. Sayre PH, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2941–5
Molecular cloning of the CD2 antigen, the T–cell erythrocyte receptor, by a rapid immunoselection procedure. Seed B, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3365–9
Molecular cloning of the human T–lymphocyte surface CD2 (T11) antigen. Sewell WA, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8718–22
Isolation of a T–cell clone that reacts with both antigen and anti–idiotype: evidence for anti–idiotype as internal image for antigen at the T–cell level. Singhai R, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3836–40
Thy–1+ dendritic epidermal cells belong to the T–cell lineage. Stingl G, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2430–4
Interleukin 5, a T–cell–derived B–cell differentiation factor also induces cytotoxic T lymphocytes. Takatsu K, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4234–8
Demonstration of a non–Tac peptide that binds interleukin 2: a potential participant in a multichain interleukin 2 receptor complex. Tsudo M, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9694–8
Expression of T–cell–activating protein in peripheral lymphocyte subsets. Yeh ET, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7424–8
Interleukin 4 is a growth factor for activated thymocytes: possible role in T–cell ontogeny. Zlotnik A, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3856–60
Biology of the T cell. Blue ML, et al. **Prog Clin Biol Res** 1986;224:11–20 (34 ref.)
Interleukins and T–cell ontogeny in Xenopus laevis. Cohen N, et al. **Prog Clin Biol Res** 1987;233:53–68 (35 ref.)
Compromised T–cell regulatory functions during anuran metamorphosis: the role of corticosteroids. Marx M, et al. **Prog Clin Biol Res** 1987;233:129–40
Immune mechanisms in Rous sarcoma regression. Powell PC, et al. **Prog Clin Biol Res** 1987;238:207–18
Mechanism of T cell immunosuppression by infectious bursal disease virus of chickens. Sharma JM, et al. **Prog Clin Biol Res** 1987;238:283–94
T cells and their products in host responsiveness to organ allografts. Tilney NL, et al. **Prog Clin Biol Res** 1986; 224:21–39 (71 ref.)
Characterization of two monoclonal antibodies against chicken T lymphocyte surface antigens. Vainio O, et al. **Prog Clin Biol Res** 1987;238:99–108
Virus specific syngeneic killing of reticuloendotheliosis virus transformed cell line target cells by spleen cells. Weinstock D, et al. **Prog Clin Biol Res** 1987;238:253–63
T lymphocyte polyclonal proliferation and stress response style. Workman EA, et al. **Psychol Rep** 1987 Jun;60(3 Pt 2):1121–2
Blast transformation in Mexican malnourished children. Gorodezky C, et al. **Rev Latinoam Microbiol** 1986 Jul–Sep; 28(3):217–20
Immunological aspects in recent syphilis. Dobrescu A, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jul–Sep;90(3):507–13
HLA and the role of T cells in the predisposition to disease. Stastny P. **Rheum Dis Clin North Am** 1987 Apr;13(1):1–6 (17 ref.)
The role of Ia positive T cells in patients with rheumatoid arthritis. Kato K, et al. **Rheumatol Int** 1986;6(1):1–5
T cell subsets in the blast cell population in phytohemagglutinin–stimulated peripheral blood in vitro and in rheumatoid arthritis synovial fluid in vivo. Nordström D, et al. **Rheumatol Int** 1987;7(2):67–70
Establishment of monoclonal antibodies which possess the same characteristics as the naturally occurring thymocytotoxic autoantibodies (NTA). Tani K, et al. **Rheumatol Int** 1986;6(1):19–24
Alloantisera with apparent HLA–A specificity reacting only against phytohemagglutinin–activated cells. Crepaldi T, et al. **Ric Clin Lab** 1986 Jul–Sep;16(3):449–56
Immunology of tuberculosis: new directions in research. Lombardi G, et al. **Ric Clin Lab** 1987 Jan–Mar;17(1):1–15 (54 ref.)
Identification of factors interacting with a subset of T8+ cells. Pini C, et al. **Riv Neurol** 1987 Jan–Feb;57(1):20–3
Characterization of peripheral blood T lymphocyte subsets in pulmonary sarcoidosis. Powell S, et al. **Sarcoidosis** 1987 Mar;4(1):28–32
Lymphocyte subpopulations in megaloblastic anaemia due to vitamin B–12 deficiency. Gogos CA, et al. **Scand J Haematol** 1986 Oct;37(4):316–8
Haemolysis after T–cell depleted bone marrow transplantation involving minor AB0 incompatibility. Hazlehurst GR, et al. **Scand J Haematol** 1986 Jul;37(1):1–3
Coexpression of T– and B–markers in a lymphoproliferative disorder. San Miguel JF, et al. **Scand J Haematol** 1986 Jul;37(1):10–7
Expression of monocytic and T–lymphocytic phenotype in a variant form of acute promyelocytic leukaemia (M3). Sato T, et al. **Scand J Haematol** 1986 Aug;37(2):151–3
In vitro and in vivo stimulation of murine lymphocytes by human respiratory syncytial virus strains. Alsheikhly AR, et al. **Scand J Immunol** 1987 Aug;26(2):161–73
Activation of resting, pure CD4+, and CD8+ cells via CD3. Requirements for second signals. Halvorsen R, et al. **Scand J Immunol** 1987 Aug;26(2):197–205
The role of the Fc receptor in T–cell activation. Hammerling U, et al. **Scand J Immunol** 1986 Dec;24(6):621–4
The role of calcium in stimulation of activated T lymphocytes with interleukin 2. Larsen CS, et al. **Scand J Immunol** 1986 Dec;24(6):689–97
Selective expansion of a CD3+CD4–CD8– subpopulation in clinical groups associated with human immunodeficiency virus infection. Marcos MR, et al. **Scand J Immunol** 1987 Apr;25(4):321–33
Polyclonal lymphocyte responses to murine Trypanosoma cruzi infection. I. Quantitation of both T– and B–cell responses. Minoprio PM, et al. **Scand J Immunol** 1986 Dec; 24(6):661–8
Purification of an IgM antibody response–enhancing factor to the alpha 1–6 epitope of native dextran from serum and supernatants from T–cell hybridomas. Pasanen VJ, et al. **Scand J Immunol** 1987 May;25(5):431–40
Selective modulation of the CD4 molecular complex by Pseudomonas aeruginosa alkaline protease and elastase. Pedersen BK, et al. **Scand J Immunol** 1987 Jul;26(1):91–4
Implantation of cultured thymic fragments in congenitally athymic (nude) rats. Influx of lymphocytes and dendritic cells. Schuurman HJ, et al. **Scand J Immunol** 1987 Aug; 26(2):129–39
Amplification of T–cell response to PPD by epidermal cell suspensions containing HLA–DR–expressing keratinocytes. Tjernlund U, et al. **Scand J Immunol** 1987 Jul;26(1):1–6
Evidence of an activated T–cell system with augmented turnover of interleukin 2 in rheumatoid arthritis. Stimulation of human T lymphocytes by dendritic cells as a model for rheumatoid T–cell activation. Waalen K, et al. **Scand J Immunol** 1987 Apr;25(4):367–73
Phenotypes of T lymphocytes from peripheral blood and synovial fluid of patients with rheumatoid arthritis and juvenile rheumatoid arthritis. Evidence in favour of normal helper and suppressor functions of T lymphocytes from patients with juvenile rheumatoid arthritis. Thoen J, et al. **Scand J Rheumatol** 1987;16(4):247–56
T–cell tumor elimination as a result of T–cell receptor–mediated activation. Ashwell JD, et al. **Science** 1987 Jul 3;237(4810):61–4
T–lymphocyte priming and protection against Friend leukemia by vaccinia–retrovirus env gene recombinant. Earl PL, et al. **Science** 1986 Nov 7;234(4777):728–31
Immunological self, nonself discrimination. Guillet JG, et al. **Science** 1987 Feb 20;235(4791):865–70
Identification of a T3–associated gamma delta T cell receptor

on Thy-1+ dendritic epidermal Cell lines. Koning F, et al. **Science** 1987 May 15;236(4803):834–7

The T cell receptor family is growing [news] Marx JL. **Science** 1987 Jun 5;236(4806):1187–8

Histocompatibility restriction explained [news] Marx JL. **Science** 1987 Feb 20;235(4791):843–4

The nucleocapsid of hepatitis B virus is both a T-cell–independent and a T-cell–dependent antigen. Milich DR, et al. **Science** 1986 Dec 12;234(4782):1398–401

Epitopes of the CD4 antigen and HIV infection. Sattentau QJ, et al. **Science** 1986 Nov 28;234(4780):1120–3

Measuring the human T cell receptor gamma-chain locus. Strauss WM, et al. **Science** 1987 Sep 4;237(4819):1217–9

Isolation and sequence of L3T4 complementary DNA clones: expression in T cells and brain. Tourvieille B, et al. **Science** 1986 Oct 31;234(4776):610–4

CD8+ lymphocytes can control HIV infection in vitro by suppressing virus replication. Walker CM, et al. **Science** 1986 Dec 19;234(4783):1563–6

Cell surface markers in hematologic malignancies. Freedman AS, et al. **Semin Oncol** 1987 Jun;14(2):193–212 (196 ref.)

Lipoxygenase pathway inhibition impairs the allograft response. Jordan ML, et al. **Surgery** 1987 Aug; 102(2):248–55

Significance of T-lymphocytes in wound healing. Peterson JM, et al. **Surgery** 1987 Aug;102(2):300–5

HLA-DR-positive T lymphocytes in peripheral blood and synovial fluid in patients with rheumatoid arthritis. Chang DM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Jan; 86(1):39–42

T-lymphocyte subsets in nude mice with Giardia muris infection. Carlson JR, et al. **Thymus** 1987;9(3):189–96

Differential expression of HLA-DR allospecificities on antigen specific T cell clones. Igarashi M, et al. **Tissue Antigens** 1987 Mar;29(3):160–7

Low parasite specific T cell response in clinically immune individuals with low grade Plasmodium falciparum parasitaemia [letter] Theander TG, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):1000–1

T4+ cells can initiate human graft-versus-host disease. Atkinson K, et al. **Transplant Proc** 1987 Apr;19(2):2879–81

Studies on the two-signal model for T cell activation in vivo. Babcock SK, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):303–6

Immunologic monitoring of Orthoclone OKT3-treated patients: the problem of antimonoclonal immune response. Bach JF, et al. **Transplant Proc** 1987 Apr;19(2 Suppl 1):17–20 (11 ref.)

Successful cadaveric and living related donor renal transplantation in patients with historical positive and pretransplant negative crossmatch. Baquero A, et al. **Transplant Proc** 1987 Apr;19(2):2946–8

Resistance to engraftment in irradiated dogs receiving T cell–depleted bone marrow transplants. Bradstock KF, et al. **Transplant Proc** 1987 Apr;19(2):2902–6

Both class I and class II responsive T cell subsets can separately initiate lethal graft-versus-host disease in H-2-incompatible murine radiation chimeras. Carmody L, et al. **Transplant Proc** 1987 Apr;19(2):2876–8

Clinical development of Orthoclone OKT3. Cosimi AB. **Transplant Proc** 1987 Apr;19(2 Suppl 1):7–16 (21 ref.)

Unusual functional and biochemical properties of DR molecules from the HLA-DR1, B14 haplotype. Davis JE, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):851–7

Sequential infiltration of class I and class II specific alloreactive T cells in human cardiac allografts. Duquesnoy RJ, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2560–3

T cell depletion of human bone marrow for allogeneic marrow transplantation. Farrelly H, et al. **Transplant Proc** 1987 Apr;19(2):2855–7

Overview of the development of Orthoclone OKT3: monoclonal antibody for therapeutic use in transplantation. Goldstein G. **Transplant Proc** 1987 Apr;19(2 Suppl 1):1–6 (31 ref.)

Cellular infiltrates in allografts. Hall BM. **Transplant Proc** 1987 Feb;19(1 Pt 1):50–6

Correlation between two-color flow cytometry quantitation of activated T cells and acute allograft rejection. Hayes JM, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1605–8

Cyclosporine-induced syngeneic graft-versus-host disease: assessment of T cell differentiation. Hess AD, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2683–6

Detection of anti-non-MHC-directed T cell reactivity following in vivo priming after HLA-identical marrow transplantation and following in vitro priming in limiting dilution cultures. Irlé C, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 3):2674–7

A reevaluation of the role of prostaglandin E2 as an immunoregulator. Jordan ML, et al. **Transplant Proc** 1987 Aug;19(4):3388–90

Differentiation antigens associated with the function of alloreactive T lymphocytes. Kowal C, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):268–72

Epitopic analysis of the human interleukin 2 receptors by the use of monoclonal antibodies: epitope-function relationship. Le Mauff B, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 1):281–4

Anti-T3 induced cytotoxicity: the role of target cell Fc-receptors in the lysis of autologous monocytes and the Fc-independent lysis of T3-positive target cells. Leeuwenberg JF, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):428–31

Influence of donor-recipient lymphocyte crossmatch and ABO status on rejection risk in cardiac transplantation. McKenzie FN, et al. **Transplant Proc** 1987 Aug; 19(4):3439–41

Analysis of T lymphocytes infiltrating human hepatic allografts. Markus BH, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2470–3

An autoreactive T cell clone derived after allostimulation in vitro: evidence for recognition of a polymorphic self major histocompatibility complex class II gene product. Martin A, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):875–7

Murine cardiac allograft survival following treatment of recipients with monoclonal anti-L3T4 or Ly-2 antibodies. Mottram PL, et al. **Transplant Proc** 1987 Apr; 19(2):2898–901

A U.S. clinical study of Orthoclone OKT3 in renal transplantation. Norman DJ, et al. **Transplant Proc** 1987 Apr;19(2 Suppl 1):21–7

Effector cells of graft-versus-host disease, host resistance, and the graft-versus-leukemia effect: summary of a workshop on bone marrow transplantation. Ringdén O, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2758–61

Distinct types of donor and recipient T cell clones functionally related to host-v-graft reactivity and autologous remission after bone marrow transplantation for severe aplastic anemia. Schneider EM, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2620–5

A class II antigen-specific T cell clone can suppress graft-versus-host reactivity in murine allogeneic bone marrow chimeras. Shih CC, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2664–7

Detection of T cell sensitization in renal transplant patients with mixed lymphocyte culture-cell-mediated lympholysis. Suranyi MG, et al. **Transplant Proc** 1987 Apr;19(2):2873–5

Internalization (but no recycling) of T cell receptor, T3 antigen, and other T cell antigens. Tax WJ, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):273–6

The role of the thymus in regulating tolerance to self and nonself. Tutschka PJ. **Transplant Proc** 1987 Feb;19(1 Pt 1):486–9

Polyclonal activation of rat T lymphocytes by RT6 alloantisera. Wonigeit K, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 1):296–9

Preclinical evaluation of immunosuppression selective for T cells recognizing class I histocompatibility antigens. Wright JK Jr, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1106–9

Characterization and cloning of alloreactive T lymphocytes from pancreas allografts transplanted into diabetics. Binimelis J, et al. **Transplantation** 1987 Sep;44(3):453–7

Evidence for the involvement of host-derived OKT8-positive T cells in the rejection of T-depleted, HLA-identical bone marrow grafts. Bunjes D, et al. **Transplantation** 1987 Apr;43(4):501–5

Donor-specific T cell lines grown from fine-needle aspirates of human renal allografts during acute rejection. Caillat S, et al. **Transplantation** 1987 Aug;44(2):325–9

Immunoglobulin class and specificity of antibodies causing positive T cell crossmatches. Relationship to renal transplant outcome. Chapman JR, et al. **Transplantation** 1986 Dec;42(6):608–13

A randomized clinical trial comparing OKT3 and steroids for treatment of hepatic allograft rejection. Cosimi AB, et al. **Transplantation** 1987 Jan;43(1):91–5

Engraftment following T-cell–depleted marrow transplantation. I. The role of major and minor histocompatibility barriers. Ferrara J, et al. **Transplantation** 1987 Apr;43(4):461–7

Kinetics of natural killer cell cytotoxicity during the graft-versus-host reaction. Relationship between natural killer cell activity, T and B cell activity, and development of histopathological alterations. Ghayur T, et al. **Transplantation** 1987 Aug;44(2):254–60

Expression of HLA-DR antigens on peripheral blood T lymphocytes and renal graft tubular epithelial cells in association with rejection. Henny FC, et al. **Transplantation** 1986 Nov;42(5):479–83

Blocking of delivery of the antigen-mediated signal to the nucleus of T cells by cyclosporine. Hodgkin PD, et al. **Transplantation** 1987 May;43(5):685–92

Prostaglandin E2 mediates subset-specific effects on the functional responses of allosensitized T lymphocyte clones. Jordan ML, et al. **Transplantation** 1987 Jan;43(1):117–23

Immunoregulatory mechanisms in cyclosporine-treated renal allograft recipients. Kerman RH, et al. **Transplantation** 1987 Feb;43(2):205–10

T cell subsets and graft-versus-host disease. Korngold R, et al. **Transplantation** 1987 Sep;44(3):335–9

Inhibition of hybrid resistance by 5-fluorouracil. Destruction of a Thy-1+ Lyt-1+2- spleen cell implicated in the expression of hybrid resistance. Kosmatopoulos K, et al. **Transplantation** 1987 Aug;44(2):202–8

Different specificities of cloned T cells assessed by in vitro proliferation assays and by the ability to mediate skin graft rejection in vivo. Lynch DH, et al. **Transplantation** 1987 Mar;43(3):408–11

Analysis of allotolerance in thymectomized Xenopus restored with semiallogeneic thymus grafts. Maéno M, et al. **Transplantation** 1987 Aug;44(2):308–14

Allospecific rat-mouse T hybridoma clones generated from kidney graft-infiltrating cells. Manca F, et al. **Transplantation** 1987 Sep;44(3):440–2

Immunohistologic labeling as an indicator of liver allograft rejection. Perkins JD, et al. **Transplantation** 1987 Jan; 43(1):105–8

Generation of CD4-positive suppressor T cells from mixed lymphocyte cultures in the presence of interleukin 2 receptor antibody TU69. An in vitro model for transplantation tolerance induction. Schneider EM, et al. **Transplantation** 1987 Aug;44(2):295–302

Analysis of the alloreactive T cell repertoire in man. I. Differences in precursor frequency for cytotoxic T cell responses against allogeneic MHC molecules in unrelated individuals. Sharrock CE, et al. **Transplantation** 1987 May; 43(5):699–703

Induction of antiidiotypic antibodies by blood transfusions. Characterization of T cell alloantigen-specific receptors by sera from transfused mice. Singal DP, et al. **Transplantation** 1986 Dec;42(6):632–5

Inhibition of human monocyte antigen presentation, but not HLA-DR expression, by cyclosporine. Snyder DS, et al. **Transplantation** 1987 Sep;44(3):407–11

Induction of transplantation tolerance in rats by spleen allografts. II. Evidence that W3/25+ T suppressor/inducer and OX8+ T suppressor/effector cells are required to mediate specific unresponsiveness. Stepkowski SM, et al. **Transplantation** 1987 Sep;44(3):443–8

Promotion of incompatible allograft acceptance in rhesus monkeys given posttransplant antithymocyte globulin and donor bone marrow. I. In vivo parameters and immunohistologic evidence suggesting microchimerism. Thomas J, et al. **Transplantation** 1987 Mar;43(3):332–8

Depletion of T lymphocytes from human bone marrow. Use of magnetic monosized polymer microspheres coated with T-lymphocyte-specific monoclonal antibodies. Vartdal F, et al. **Transplantation** 1987 Mar;43(3):366–71

T cell function in chickens bursectomized at 60 hours of incubation. Veromaa T, et al. **Transplantation** 1987 Apr; 43(4):533–7

The role of T4+ and Ly-2+ cells in skin graft rejection in the mouse. Wheelahan J, et al. **Transplantation** 1987 Aug; 44(2):273–80

T-cell dependent and T-cell independent immune response in normal and in with Litomosoides carinii infected cotton rats. Müller-Kehrmann H, et al. **Trop Med Parasitol** 1986 Dec;37(4):364–8

Immune response during coccidiosis in SC and FP chickens. I. In vitro assessment of T cell proliferation response to stage-specific parasite antigens. Lillehoj HS. **Vet Immunol Immunopathol** 1986 Dec;13(4):321–30

Detection of impaired T cell–mediated immune responses to herpesvirus (BHV-1) in cattle. Miller-Edge M, et al. **Vet Immunol Immunopathol** 1986 Sep;13(1–2):1–18

The response of the supramammary lymph node of the sheep to secondary infection with orf virus. McKeever DJ, et al. **Vet Microbiol** 1987 May;14(1):3–13

A human T-cell line resistant to cytopathic effects of the human immunodeficiency virus (HIV). Casareale D, et al. **Virology** 1987 Jan;156(1):40–9

The nature and role of antigen processing in T-cell activation. Berzofsky JA. **Year Immunol** 1985;:18–24 (27 ref.)

The role of functional cell surface antigens in T cell activation. Bierer BE, et al. **Year Immunol** 1986;2:39–59 (108 ref.)

Immunoregulatory T lymphocytes in man. Cell surface molecules involved in their function. Damle NK, et al. **Year Immunol** 1985;:39–50 (55 ref.)

The role of T cell immunity in infection with the herpes group viruses. Finberg R, et al. **Year Immunol** 1986; 2:267–78 (29 ref.)

The function of autoreactive T cells in B-cell activation. Finnegan A, et al. **Year Immunol** 1985;:25–38 (29 ref.)

Tolerance: facts and views—1984. Parks DE. **Year Immunol** 1985;:86–92 (36 ref.)

Interleukin-2, 1984: year of the receptor. Ruscetti FW. **Year Immunol** 1985;:100–6 (30 ref.)

Low molecular mass inhibitors from calf thymus selective for T-lymphocyte proliferation. Matthiessen HP, et al. **Z Naturforsch [C]** 1986 Nov-Dec;41(11–12):1131–6

[Cell subpopulations of pyelonephritis patients studied using monoclonal antibodies] Altunkova I, et al. **Vutr Boles** 1987; 26(3):22–7 (Eng. Abstr.) **(Bul)**

[Effects of electro-acupuncture (EA) on T lymphocytes from the peripheral blood of normal man] Huang KH, et al. **Chen Tzu Yen Chiu** 1986;11(4):290–3 (Eng. Abstr.) **(Chi)**

[Immunoglobulin and T cell immunoactivities as related to the allergic reaction following skin test with lung fluke antigen] Chen SZ. **Chung Hua I Hsueh Tsa Chih** 1987 Jan; 67(1):37–9 **(Chi)**

[Activity of T lymphocytes in gastric and colonic cancers and in early gravid decidua] Si LS. **Chung Hua I Hsueh Tsa Chih** 1986 Jul;66(7):385–7, 446 (Eng. Abstr.) **(Chi)**

[The regulation of anti-acetylcholine receptor antibody production by T cells responding in autologous mixed lymphocyte reaction in patients with myasthenia gravis] Chiu HC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Apr; 86(4):422–6 (Eng. Abstr.) **(Chi)**

[Autologous mixed lymphocyte reaction in myasthenia gravis] Chiu HC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Mar;86(3):271–5 (Eng. Abstr.) **(Chi)**

[Intercellular relations in the immunology of leprosy] Hoffenbach A. **Acta Leprol (Geneve)** 1986 Jul–Sep; (102):323–9 **(Fre)**

[Immunopathologic study of the persistent lymphadenopathies related to LAV-HTLV III infection] Audouin J, et al. **Ann Pathol** 1986;6(4-5):271-4 (Eng. Abstr.) **(Fre)**

[Implication of HLA class I molecule from monocyte in T-cell activation by CD2 or CD3 monoclonal antibodies] Huet S, et al. **C R Acad Sci [III]** 1987;304(18):469-72 (Eng. Abstr.) **(Fre)**

[Indications for cellular immunological tests] Pichler WJ, et al. **Rev Med Suisse Romande** 1987 Apr;107(4):339-43 **(Fre)**

[Expression of T-lymphocyte antigens by serum B lymphocytes in rheumatoid polyarthritis] Youinou P, et al. **Rev Rhum Mal Osteoartic** 1986 Nov;53(11):643-7 (Eng. Abstr.) **(Fre)**

[Fc-IgG and Fc-IgM receptor-carrying lymphocytes in human blood. Optimization of determining T(M) lymphocytes] Ittenson A, et al. **Allerg Immunol (Leipz)** 1987;33(1):53-62 (Eng. Abstr.) **(Ger)**

[The interleukin 2 receptor. A review of the literature] Siegl E, et al. **Allerg Immunol (Leipz)** 1987;33(1):3-14 (Eng. Abstr.) **(Ger)**

[Tumor cell immunogenicity and T-cell-mediated antitumor immune reactions. Modulation and application to immunotherapy] Schirrmacher V. **Arzneimittelforschung** 1987 Feb;37(2A):259-62 (36 ref.) (Eng. Abstr.) **(Ger)**

[Modification of wound healing by T lymphocytes] Kohl A, et al. **Dermatol Monatsschr** 1986;172(12):714-7 (Eng. Abstr.) **(Ger)**

[Immunologic phenotyping of cutaneous lymphomas] Kaudewitz P, et al. **Hautarzt** 1986 Dec;37(12):647-55 (Eng. Abstr.) **(Ger)**

[T- and B-lymphocyte hyperreactivity in patients with progressive systemic sclerosis] Becker H, et al. **Immun Infekt** 1987 Apr;15(2):72-3 (Eng. Abstr.) **(Ger)**

[Short communication about the influence of quinolone derivatives on the immune system] Hahn H. **Infection** 1986; 14 Suppl 3:S219 **(Ger)**

[Delayed development of chimerism following T-cell depleted bone marrow transplantation] Walther JU, et al. **Klin Padiatr** 1987 May-Jun;199(3):165-8 (Eng. Abstr.) **(Ger)**

[Effect of intestinal resection on the behavior of mononuclear subpopulations in Crohn disease] Decker R, et al. **Langenbecks Arch Chir** 1986;368(3):173-83 (Eng. Abstr.) **(Ger)**

[Significance of phagocytes and the T lymphocyte system in the defense against Candida albicans infections (review)] Török I, et al. **Mykosen** 1986 Oct;29(10):486-90 (Eng. Abstr.) **(Ger)**

[Immune reactivity in patients with pigeon breeder's lung. II: Local defense reactions] Kramer H, et al. **Prax Klin Pneumol** 1986 Sep;40(9):375-7 (Eng. Abstr.) **(Ger)**

[Compartmentalized T-cell activation in active sarcoidosis] Müller-Quernheim J. **Prax Klin Pneumol** 1987 Apr; 41(4):118-28 (Eng. Abstr.) **(Ger)**

[The role of T-lymphocytes in organ-specific autoimmune diseases] Fierz W. **Schweiz Med Wochenschr** 1987 Mar 14; 117(11):391-8 (Eng. Abstr.) **(Ger)**

[Studies of bronchoalveolar lavage fluid in exogenous allergic alveolitis] Müller S. **Z Erkr Atmungsorgane** 1987; 168(2):114-25 (Eng. Abstr.) **(Ger)**

[Neopterin determination and lymphocyte marker analysis using monoclonal antibodies--possibilities of determining the immunologic system for indicating diagnostic and therapeutic measures] Volk HD, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(6):351-4 **(Ger)**

[Pan T, T4 and T8-positive lymphocytes in the peripheral blood of patients with systemic lupus erythematosus] Grunow R, et al. **Z Gesamte Inn Med** 1987 Mar 1; 42(5):130-4 (Eng. Abstr.) **(Ger)**

[Serologic studies in patients with early transplant failure] Groth J, et al. **Z Urol Nephrol** 1986 Jul;79(7):405-9 (Eng. Abstr.) **(Ger)**

[Determination of biologic aging within the scope of the Halberstadt Gerontologic Study. 5. Correlation of physiologic parameters with calendar and biologic age. 1. Relative cell number of peripheral B and T lymphocytes] Weidinger V, et al. **ZFA** 1987 Mar-Apr;42(2):93-9 (Eng. Abstr.) **(Ger)**

[T lymphocyte subpopulations in various glomerulopathies] Süle T, et al. **Orv Hetil** 1987 Aug 9;128(32):1671-2, 1675-6 (Eng. Abstr.) **(Hun)**

[New findings on the immunology of bronco-82] Brugo MA, et al. **Boll Ist Sieroter Milan** 1986;65(6):538-43 (Eng. Abstr.) **(Ita)**

[Preliminary results of a study of the lymphocyte subpopulations in hemodialysis patients with non-A, non-B hepatitis (letter)] Spera E, et al. **Minerva Med** 1986 Dec 15;77(47-48):2263-4 **(Ita)**

[Study of c-myc expression in the activation of human T cells] Suzuki H, et al. **Arerugi** 1986 Nov;35(11):1113-8 (Eng. Abstr.) **(Jpn)**

[Immunological studies of aging and the family in gastric cancer, with special reference to cell-medical immunity] Shigemoto M, et al. **Gan No Rinsho** 1987 Apr;33(5 Suppl):522-6 (Eng. Abstr.) **(Jpn)**

[Non-Hodgkin's lymphoma: correlation of cell surface marker phenotype with clinical features and prognosis] Okabe K, et al. **Gan To Kagaku Ryoho** 1986 Oct; 13(10):2960-4 (Eng. Abstr.) **(Jpn)**

[Influence of a bovine calf thymic humoral factor on the non-specific cellular immune response of bladder carcinoma patients] Horii A. **Hinyokika Kiyo** 1987 Mar; 33(3):364-74 (Eng. Abstr.) **(Jpn)**

[A study of proliferative responses to host Ia antigens in fully allogeneic bone marrow chimeras in mice--sequential analysis of the reactivity and characterization of the cells involved in the response] Iwabuchi K. **Hokkaido Igaku Zasshi** 1986 Nov;61(6):869-82 (Eng. Abstr.) **(Jpn)**

[A study on a functional difference in the mouse, rat and human I subregion products involved in the T cell proliferative responses to PPD] Kojima H. **Hokkaido Igaku Zasshi** 1987 Jan;62(1):20-32 (Eng. Abstr.) **(Jpn)**

[Enhancement of T cell-mediated immune responses in KMT-17-bearing rats by treatment with bleomycin] Xu ZY. **Hokkaido Igaku Zasshi** 1987 Mar;62(2):279-88 (Eng. Abstr.) **(Jpn)**

[Immunological background of patients with dilated cardiomyopathy and myocarditis: clinical and experimental studies] Kishimoto C, et al. **J Cardiogr** 1986;16 Suppl 9:19-25 (Eng. Abstr.) **(Jpn)**

[Bio-defense-expression in the protection against microbial infections] Nomoto K. **Kekkaku** 1987 Jan;62(1):1-10 (60 ref.) (Eng. Abstr.) **(Jpn)**

[Clinical immunology of tuberculosis] Tsuyuguchi I. **Kekkaku** 1987 May;62(5):253-64 (58 ref.) (Eng. Abstr.) **(Jpn)**

[I-A restricted sulbenicillin specific T cell proliferative response in mice] Kawaguchi H, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Jun;96(7):699-703 **(Jpn)**

[Immunoglobulin synthesis of lymphocytes in patients with idiopathic nephrotic syndrome] Tomizawa S. **Nippon Jinzo Gakkai Shi** 1986 Aug;28(8):1071-8 (Eng. Abstr.) **(Jpn)**

[Establishment and characterization of monoclonal antibodies (TA75 and TA16) reactive with activated human T cells] Matsuo Y, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Aug; 49(5):1037-46 (Eng. Abstr.) **(Jpn)**

[The mechanisms of human B cell activation. VI. The role of HLA antigens and T cell differentiation antigens in the production of T cell-derived helper factors] Suzuki N, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Nov; 49(7):1396-403 (Eng. Abstr.) **(Jpn)**

[The defense mechanism and its weakening: the defense mechanism by cellular immunity] Hashimoto T. **Nippon Rinsho** 1986 Sep;44(9):1965-71 (19 ref.) **(Jpn)**

[The defense mechanism and its weakening: generation of the immune system] Nariuchi H. **Nippon Rinsho** 1986 Sep; 44(9):1960-4 **(Jpn)**

[Immunity in AIDS] Ohno R. **Nippon Rinsho** 1986 Oct; 44(10):2177-81 **(Jpn)**

[Abnormal lymphocytes in HTLV infections and its clinical significance] Shimoyama M, et al. **Nippon Rinsho** 1986 Oct; 44(10):2244-7 **(Jpn)**

[Age-related functional and proportional changes in human lymphocytes: clinical significance as indicators for immunosenescence] Negoro S, et al. **Nippon Ronen Igakkai Zasshi** 1987 Mar;24(2):93-9 (Eng. Abstr.) **(Jpn)**

[Cytotoxicity of T-lymphocytes from a patient with choriocarcinoma to autologous tumor cultured cells--stimulation with the husband's lymphocytes] Maeda M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Feb; 39(2):256-62 (Eng. Abstr.) **(Jpn)**

[Signals for T cell growth] Koyasu S. **Seikagaku** 1986 Dec; 58(12):1474-7 (13 ref.) **(Jpn)**

[The T cell receptor for antigen--a review] Kubo RT, et al. **Tanpakushitsu Kakusan Koso** 1986 Jul;31(9 Suppl):769-81 (174 ref.) **(Jpn)**

[Origin of the diversity of the immune system] Kurosawa Y. **Tanpakushitsu Kakusan Koso** 1986 Jul;31(9 Suppl):756-68 **(Jpn)**

[Molecular biology of immunologic recognition] Tonegawa S. **Tanpakushitsu Kakusan Koso** 1987 Mar;32(3):239-50 (0 ref.) **(Jpn)**

[Role of interleukin 2 in the pathogenesis and clinical course of multiple sclerosis] Cendrowski W. **Neurol Neurochir Pol** 1986 Mar-Apr;20(2):143-6 (25 ref.) **(Pol)**

[T and B lymphocytes in children with rheumatic fever and juvenile rheumatoid arthritis] Pulawska J. **Pediatr Pol** 1986 Apr;61(4):210-7 (Eng. Abstr.) **(Pol)**

[2 cases of pseudoxanthoma elasticum with hypofunction of T lymphocytes and granulocytes] Grochowska K. **Przegl Dermatol** 1986 Nov-Dec;73(6):486-90 (Eng. Abstr.) **(Pol)**

[Immunologic disorders in patients with condylomata acuminata] Majewski S, et al. **Przegl Dermatol** 1986 Sep-Oct;73(5):367-72 (Eng. Abstr.) **(Pol)**

[Gangrenous pyoderma in monoclonal IgA gammopathy and functional disorders of T lymphocytes] Samochocki Z, et al. **Przegl Dermatol** 1986 Sep-Oct;73(5):409-12 (Eng. Abstr.) **(Pol)**

[Relation between the body immune status and the thermal resistance of the receptors for sheep erythrocytes on the membrane of human T lymphocytes] Olinescu A, et al. **Rev Ig [Bacteriol]** 1986 Jul-Sep;31(3):241-51 (Eng. Abstr.) **(Rum)**

[Clinico-experimental study of the peripheral lymphocyte populations and subpopulations in human cases of giardiasis] Voiculescu C, et al. **Rev Ig [Bacteriol]** 1986 Jul-Sep;31(3):235-40 (Eng. Abstr.) **(Rum)**

[Changes in immunologic and biochemical indicators in patients with chronic salpingo-oophoritis after electrotherapy] Burlev VA, et al. **Akush Ginekol (Mosk)** 1987 May;(5):63-5 (Eng. Abstr.) **(Rus)**

[Indices of the pituitary-adrenal system and cellular immunity responses in normal pregnancy and pregnancy complicated by late toxemia] Volkova NN, et al. **Akush Ginekol (Mosk)** 1987 Feb;(2):32-4 (Eng. Abstr.) **(Rus)**

[Stimulation of expression of IgM and IgG receptors on human thymus lymphocytes after treatment with lactoferrin in vitro] Gnezditskaia EV, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):447-9 (Eng. Abstr.) **(Rus)**

[Receptors for the secretory component on human thymic lymphocytes. Stimulation of their expression as affected by adenosine, theophylline and a thymic lymphocyte supernatant] Gnezditskaia EV, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):67-9 (Eng. Abstr.) **(Rus)**

[Regulation of the natural killer activity of lymphocytes from healthy donors and patients with chronic lympholeukemia through the interaction of T- and non-T cells] Khonina NA, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):321-3 (Eng. Abstr.) **(Rus)**

[Monoclonal antibodies to antigens found on the neutrophils, activated T-lymphocytes and blast cells in human acute leukemia] Miterev GIu, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):710-2 (Eng. Abstr.) **(Rus)**

[Peripheral blood T-lymphocytes of patients with chronic B-cell lympholeukemia express Ia-like antigens] Zlobina EN, et al. **Biull Eksp Biol Med** 1987 Feb;103(2):196-8 (Eng. Abstr.) **(Rus)**

[B-lymphocytes are required to mediate the effect of T-lymphocytes on hematopoietic stem cells] Man'ko VM, et al. **Dokl Akad Nauk SSSR** 1987;293(2):497-9 **(Rus)**

[Cytochemical characteristics of blast cells forming autologous rosettes in acute lymphoblastic leukemia in children] Nadgornaia VA, et al. **Eksp Onkol** 1987;9(2):24-8 (Eng. Abstr.) **(Rus)**

[Release of factors regulating antibody formation by mouse splenocytes and thymocytes] Boiko MG, et al. **Fiziol Zh** 1986 Sep-Oct;32(5):575-9 (Eng. Abstr.) **(Rus)**

[Status of immunologic reactivity in experimental stomach ulcer] Kryshen' VP, et al. **Fiziol Zh** 1987 Jan-Feb; 33(1):88-90 (Eng. Abstr.) **(Rus)**

[Controlled regulation and the role of the humoral and cellular systems of immunity in the pathogenesis of silicosis] Petrova EV, et al. **Gig Tr Prof Zabol** 1987 Jan;(1):24-7 (Eng. Abstr.) **(Rus)**

[Relation between the clinical course of acute myocardial infarction and specific sensitization of lymphocytes and lymphotoxin production] Uuskiula MM, et al. **Kardiologiia** 1987 Feb;27(2):57-60 (Eng. Abstr.) **(Rus)**

[T- and B-lymphocyte numbers in bronchoalveolar washings from patients with sarcoidosis] Averbakh MM, et al. **Klin Med (Mosk)** 1986 Dec;64(12):44-7 (Eng. Abstr.) **(Rus)**

[Immunohormonal indicators in the prognosis of lung cancer] Vagner VP, et al. **Klin Med (Mosk)** 1986 Dec;64(12):55-8 (Eng. Abstr.) **(Rus)**

[Evaluation of human T- and B-lymphocyte suppression using laser nephelometry] Osipov SG, et al. **Lab Delo** 1987; (2):46-9 (Eng. Abstr.) **(Rus)**

[Use of the macrophage migration inhibition test in a "skin window" in clinico-immunologic studies] Tsoi IG. **Lab Delo** 1987;(7):539-42 (Eng. Abstr.) **(Rus)**

[Isolation and characteristics of membrane fraction of rabbit T lymphocytes specifically binding the staphylococcal enterotoxin type A] Noskov AN, et al. **Mol Gen Mikrobiol Virusol** 1985 Jan;(1):25-9 (Eng. Abstr.) **(Rus)**

[Various immunologic indices of children and adolescents with type I diabetes mellitus] Uriarté A, et al. **Probl Endokrinol (Mosk)** 1987 Mar-Apr;33(2):22-5 (Eng. Abstr.) **(Rus)**

[Quantitative and qualitative changes in the T- and B-lymphocytes of patients with osteoarthrosis deformans] Mazina NM, et al. **Revmatologiia (Moskva)** 1986 Oct-Dec; (4):55-8 (Eng. Abstr.) **(Rus)**

[Leukocyte migration inhibition response in patients with osteoarthrosis deformans] Mazina NM, et al. **Revmatologiia (Moskva)** 1986 Oct-Dec;(4):52-5 (Eng. Abstr.) **(Rus)**

[Lymphocyte genome damage and changes in immunologic indices in acute myocardial infarct] Radzevich AE, et al. **Sov Med** 1987;(2):19-22 (Eng. Abstr.) **(Rus)**

[Immune response and the dynamics of the cytolysis syndrome in viral hepatitis A and B] Beksler KhM, et al. **Ter Arkh** 1986;58(10):27-8 (Eng. Abstr.) **(Rus)**

[Status of cellular immunity in diabetic microangiopathy detected by skin biopsy] Ermakova NG, et al. **Ter Arkh** 1986;58(10):94-7 (Eng. Abstr.) **(Rus)**

[Cellular immunity in reactive arthritis] Konttinen YT, et al. **Ter Arkh** 1986;58(7):22-4 **(Rus)**

[Immunocorrective therapy of patients with chronic active liver diseases of a viral nature] Mansurov KhKh, et al.

Ter Arkh 1987;59(2):114–7 (Eng. Abstr.) **(Rus)**

[T- and B-lymphocyte and immunoglobulin levels in drug allergy] Polosukhina VA, et al. **Ter Arkh** 1986;58(7):125–7 **(Rus)**

[T-lymphocyte subpopulations in chronic pancreatitis] Skuia NA, et al. **Ter Arkh** 1987;59(5):84–7 (Eng. Abstr.) **(Rus)**

[The T-cell component of immunity in different forms of hepatitis B and their clinical significance] Sorinson SN, et al. **Tr Inst Pastera** 1985;63:90–5 **(Rus)**

[Study of T lymphocyte subpopulations in patients with lupus erythematosus using monoclonal antibodies during immunocorrective therapy] Berenbein BA, et al. **Vestn Dermatol Venerol** 1987;(3):10–3 (Eng. Abstr.) **(Rus)**

[Use of monoclonal antibodies for studying immunocompetent cells in dermatology] Rubins AIa, et al. **Vestn Dermatol Venerol** 1987;(4):12–6 (Eng. Abstr.) **(Rus)**

[Correlation of immunological disorders with histological changes in Kaposi's disease] Shaposhnikov OK, et al. **Vestn Dermatol Venerol** 1986;(10):4–8 (Eng. Abstr.) **(Rus)**

[Disorders of T-cell immunity in patients with focal scleroderma] Suchkova TN. **Vestn Dermatol Venerol** 1986;(11):12–6 (Eng. Abstr.) **(Rus)**

[Immunoregulation in the treatment of patients with acute pancreatitis] Laptev VV, et al. **Vestn Khir** 1987 Mar;138(3):40–3 (Eng. Abstr.) **(Rus)**

[Indices of cellular and humoral immunity in local suppurative complications of cold injury] Sokolovich GE, et al. **Voen Med Zh** 1987 Apr;(4):42–3 **(Rus)**

[Active specific immunotherapy in patients with lung cancer following tumor removal] Mosienko MD, et al. **Vopr Onkol** 1987;33(3):31–6 (Eng. Abstr.) **(Rus)**

[Effect of dietary factor deficiency on the membranotoxic and cytostatic activity of splenocytes] Sharmanov TSh, et al. **Vopr Pitan** 1987 Mar–Apr;(2):48–50 (Eng. Abstr.) **(Rus)**

[Role of the T-component of the immune system in the development of atherosclerosis] Gandzha IM, et al. **Vrach Delo** 1987 Jan;(1):42–6 (Eng. Abstr.) **(Rus)**

[Dynamics of cellular immunity in chronic pancreatitis patients] Gubergrits NB. **Vrach Delo** 1987 Jun;(6):37–9 (Eng. Abstr.) **(Rus)**

[Levels of serum immunoglobulins and circulating T- and B-lymphocytes in the blood of patients with brain tumors] Mamytov MM, et al. **Vrach Delo** 1986 Aug;(8):101–3 (Eng. Abstr.) **(Rus)**

[Quantitative evaluation of a population of immunocompetent cells having a receptor for the anthrax protective antigen] Meretskov VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Feb;(2):54–7 (Eng. Abstr.) **(Rus)**

[Lymphocyte subpopulations in sensitization and specific immunotherapy in an experiment. Lymphocyte subpopulations in the specific immunotherapy of microbial allergy and subsequent heterologous pollen sensitization] Nugmanova DS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):53–7 (Eng. Abstr.) **(Rus)**

[Lymphocyte subpopulations in sensitization and specific immunotherapy in an experiment. Lymphocyte subpopulations in sensitization to staphylococci, Artemisia pollen and their combinations] Nugmanova ZhS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):48–53 (Eng. Abstr.) **(Rus)**

[Cellular immunity factors of tick-borne typhus patients in northern Asia] Tomilka GS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):66–9 (Eng. Abstr.) **(Rus)**

[Immunohematologic changes in pituitary adenomas] Filev LV, et al. **Zh Vopr Neirokhir** 1986 Sep–Oct;(5):19–22 (Eng. Abstr.) **(Rus)**

[Immunological abnormalities in intravenous drug addicts in relation to contact with the HTLV III/LAV virus] Besalduch Vidal J, et al. **Med Clin (Barc)** 1987 May 9; 88(18):715–8 (Eng. Abstr.) **(Spa)**

[In vivo inhibition of T lymphocyte DTH in encephalitis produced by Junin virus (letter)] Armendariz M de A, et al. **Medicina (B Aires)** 1985;45(5):596 **(Spa)**

[Chronic hepatitis. Its characterization by autoantibodies, B virus markers and functional study of lymphocyte subpopulations] Colombato LA, et al. **Medicina (B Aires)** 1986;46(3):291–302 (Eng. Abstr.) **(Spa)**

[Preparation and characteristics of an equine anti-human thymocyte gamma globulin produced in Mexico] Ruiz-Argüelles A, et al. **Rev Invest Clin** 1986 Jul–Sep; 38(3):273–8 (Eng. Abstr.) **(Spa)**

METABOLISM

Separate mechanisms for cellular uptake of purine nucleotides by B- and T-lymphoblasts. Edwards NL, et al. **Adv Exp Med Biol** 1986;195 Pt B:463–5

Ecto-5'-nucleotidase can use IMP to provide the total purine requirements of mitogen-stimulated human T cells and human B lymphoblasts. Thompson LF. **Adv Exp Med Biol** 1986;195 Pt B:467–73

14th immunology forum. Antigen processing and presentation. **Ann Inst Pasteur Immunol** 1986 Sep–Oct; 137D(2):295–349

Dopamine receptors on isolated membranes of rat thymocytes. Ovadia H, et al. **Ann NY Acad Sci** 1987; 496:211–6

Developmental expression and cellular localization of the beta-adrenergic receptor in the murine thymus. Rossi A. **Ann NY Acad Sci** 1987;496:307–9

A proline-rich polypeptide (PRP) with immunoregulatory properties isolated from ovine colostrum. Murine thymocytes have on their surface a receptor specific for PRP. Janusz M, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(4):427–36

The tumor promoter tetradecanoyl-phorbol-acetate (TPA) elicits the redistribution of zinc in subcellular fractions of rabbit thymocytes measured by X-ray fluorescence. Csermely P, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):863–8

Rapid modulation of tumor necrosis factor membrane receptors by activators of protein kinase C. Scheurich P, et al. **Biochem Biophys Res Commun** 1986 Dec 15; 141(2):855–60

Production of inositol pentakisphosphate in a human T lymphocyte cell line. Stewart SJ, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):895–902

Induction of the tyrosine phosphorylation of a 66 kd soluble protein by DMSO in human peripheral blood T lymphocytes. Wedner HJ, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):743–9

Purine deoxynucleosides and adenosine dialdehyde decrease 5-amino-4-imidazolecarboxamide (Z-base)-dependent purine nucleotide synthesis in cultured T and B lymphoblasts. Boss GR. **Biochem J** 1987 Mar 1; 242(2):425–31

Characterization of interleukin 2-stimulated phosphorylation of 67 and 63 kDa proteins in human T-cells. Ishii T, et al. **Biochem J** 1987 Feb 15;242(1):211–9

Extracellular ATP increases cytosolic free calcium in thymocytes and initiates the blastogenesis of the phorbol 12-myristate 13-acetate-treated medullary population. el-Moatassim C, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):437–44

Inhibition of lymphoid cell growth by adenine ribonucleotide accumulation. The role of phosphoribosylpyrophosphate-depletion induced pyrimidine starvation. van der Kraan PM, et al. **Biochim Biophys Acta** 1987 Feb 18;927(2):213–21

Glutathione status of rat thymocytes and splenocytes during the early events of their ConA proliferative responses. Lacombe P, et al. **Biochimie** 1987 Jan;69(1):37–44

Lymphokine production by mitogen and antigen activated mouse intraepithelial lymphocytes. Dillon SB, et al. **Cell Immunol** 1986 Dec;103(2):326–38

Independent regulation of B-cell inducing factor and IL-2 production by T lymphocytes, and direct and indirect promotion of immunoglobulin secretion by glucocorticosteroid. Jeong G, et al. **Cell Immunol** 1986 Nov;103(1):199–206

Mechanism of action of an antigen nonspecific inhibitory factor produced by human T cells stimulated by MPPS and PPD. Lombardi G, et al. **Cell Immunol** 1986 Apr 1; 98(2):434–43

Stimulation of the phosphorylation of a 66,000-Da soluble tyrosine phosphoprotein by agents that activate or augment activation of human peripheral blood T lymphocytes. Wedner HJ, et al. **Cell Immunol** 1987 Feb;104(2):201–9

Effect of the anti-thyroid drug methimazole on interleukin-1 and interleukin-2 levels in vitro. Weetman AP. **Clin Endocrinol (Oxf)** 1986 Aug;25(2):133–42

The induction of the human T-cell growth factor receptor precedes the production of RNA and occurs in the presence of inhibitors of RNA synthesis. Redelman D, et al. **Cytometry** 1986 Sep;7(5):453–62

Human cell lines secreting lymphokines. I. Establishment of T-T hybridomas. Epstein N, et al. **Dev Biol Stand** 1987; 66:439–46

Human cell lines secreting lymphokines. II. BCGF production by a T hybridoma and B cell lines. Gozes Y, et al. **Dev Biol Stand** 1987;66:447–55

Complementary DNA for human T-cell cyclophilin. Haendler B, et al. **EMBO J** 1987 Apr;6(4):947–50

Phenotypic characterization of individual interferon-gamma-producing cells after OKT3 antibody activation. Andersson U, et al. **Eur J Immunol** 1986 Nov; 16(11):1457–60

Activation of lymphokine genes during stimulation of cloned T cells. Herold KC, et al. **Eur J Immunol** 1986 Dec; 16(12):1533–8

Intracellular pathway of interleukin 2 following receptor-mediated endocytosis. Lowenthal JW, et al. **Eur J Immunol** 1986 Nov;16(11):1461–3

Identity between human interferon-gamma and "macrophage-activating factor" produced by human T lymphocytes. Talmadge KW, et al. **Eur J Immunol** 1986 Dec;16(12):1471–7

Pteridines are produced during interleukin 2-induced T-cell proliferation and modulate transmission of this signal. Ziegler I, et al. **Exp Cell Res** 1986 Dec;167(2):531–8

Human T-lymphocyte-derived megakaryocyte colony-stimulating activity. Bagnara GP, et al. **Exp Hematol** 1987 Jul;15(6):679–84

Mitogen treatment of permeabilized human T lymphocytes stimulates rapid tyrosine and serine phosphorylation of a 42 kDa protein. Mire AR, et al. **FEBS Lett** 1986 Sep 29; 206(1):53–8

Interleukin-2 binding to activated human T lymphocytes triggers generation of cyclic AMP but not of inositol phosphates. Wickremasinghe RG, et al. **FEBS Lett** 1987 Aug 10;220(1):52–6

Interaction of human T lymphocytes with E. coli lipopolysaccharide (LPS). Altavilla D, et al. **G Batteriol Virol Immunol** 1985 Jul–Dec;78(7–12):134–43

Metabolic alterations associated with proliferation of mitogen-activated lymphocytes and of lymphoblastoid cell lines: evaluation of glucose and glutamine metabolism. Brand K, et al. **Immunobiology** 1986 Oct;173(1):23–34

T cell derived IgE binding factors inhibit IgE-specific rosettes on basophilic leukaemic cells and lymphocytes. Firer MA, et al. **Immunol Lett** 1986 Aug;13(1–2):1–5

Inositol lipid metabolism in human T lymphocytes activated via the T3 complex. Cockcroft S, et al. **Immunology** 1987 Feb;60(2):209–12

Production of lymphotoxin and tumour necrosis factor by a T-cell hybridoma. Kobayashi Y, et al. **Immunology** 1987 Feb;60(2):213–7

Lymphokine production by T cells generated during infection with Trichinella spiralis. Grencis RK, et al. **Int Arch Allergy Appl Immunol** 1987;83(1):92–5

Regulation of synthesis of N-linked glycoproteins and their lipid intermediates in human T lymphoblastoid cells. Katamura K, et al. **Int J Biochem** 1986;18(11):999–1003

Estimation of the number and turnover rate of Na+/H+ exchangers in lymphocytes. Effect of phorbol ester and osmotic shrinking. Dixon SJ, et al. **J Biol Chem** 1987 Mar 15;262(8):3626–32

Receptor-mediated endocytosis of interleukin 2 in a human tumor T cell line. Degradation of interleukin 2 and evidence for the absence of recycling of interleukin receptors. Duprez V, et al. **J Biol Chem** 1986 Nov 25; 261(33):15450–4

T3-p28 is a protein associated with the delta and epsilon chains of the T cell receptor-T3 antigen complex during biosynthesis. Pettey CL, et al. **J Biol Chem** 1987 Apr 5; 262(10):4854–9

Cellular metabolism of 2',3'-dideoxycytidine, a compound active against human immunodeficiency virus in vitro. Starnes MC, et al. **J Biol Chem** 1987 Jan 25;262(3):988–91

Control of hsp70 RNA levels in human lymphocytes. Kaczmarek L, et al. **J Cell Biol** 1987 Feb;104(2):183–7

Phorbol diesters and transferrin modulate lymphoblastoid cell transferrin receptor expression by two different mechanisms. Alcantara O, et al. **J Cell Physiol** 1986 Dec; 129(3):329–35

Diminished calcium influx in lectin-stimulated T cells from old mice. Miller RA, et al. **J Cell Physiol** 1987 Aug; 132(2):337–42

Granulocyte-macrophage colony-stimulating factor. Sensitive and receptor-mediated regulation by 1,25-dihydroxyvitamin D3 in normal human peripheral blood lymphocytes. Tobler A, et al. **J Clin Invest** 1987 Jun;79(6):1700–5

Estrogen binding sites in peripheral blood mononuclear cells and thymocytes from 2 myasthenia gravis patients. Carbone A, et al. **J Clin Lab Immunol** 1986 Oct;21(2):87–91

The isolation and sequence of a novel gene from a human functional T cell line. Jongstra J, et al. **J Exp Med** 1987 Mar 1;165(3):601–14

A recombinant murine granulocyte/macrophage (GM) colony-stimulating factor derived from an inducer T cell line (IH5.5). Functional restriction to GM progenitor cells. Kajigaya S, et al. **J Exp Med** 1986 Oct 1;164(4):1102–13

Endocytosis and recycling of the T3-T cell receptor complex. The role of T3 phosphorylation. Krangel MS. **J Exp Med** 1987 Apr 1;165(4):1141–59

Binding and internalization of interleukin 1 by T cells. Direct evidence for high- and low-affinity classes of interleukin 1 receptor. Lowenthal JW, et al. **J Exp Med** 1986 Oct 1;164(4):1060–74

Early genetic events in T cell development analyzed by in situ hybridization. Pardoll DM, et al. **J Exp Med** 1987 Jun 1;165(6):1624–38

Interleukin 2 high-affinity receptor expression requires two distinct binding proteins. Teshigawara K, et al. **J Exp Med** 1987 Jan 1;165(1):223–38

Prostaglandin synthesis in human T cells: its partial inhibition by lectins and anti-CD3 antibodies as a possible step in T cell activation. Aussel C, et al. **J Immunol** 1987 May 15;138(10):3094–9

A quantitative analysis of antigen-triggered lymphokine production by activated T cells. Gill RG, et al. **J Immunol** 1987 Feb 15;138(4):1130–6

Cell matrix adhesion-related proteins VLA-1 and VLA-2: regulation of expression on T cells. Hemler ME, et al. **J Immunol** 1987 May 1;138(9):2941–8

Binding of the human retrovirus HTLV-III/LAV/ARV/HIV to the CD4 (T4) molecule: conformation dependence, epitope mapping, antibody inhibition, and potential for idiotypic mimicry. McDougal JS, et al. **J Immunol** 1986 Nov 1;137(9):2937–44

Reaction of T lymphocytes with anti-T3 induces translocation of C-kinase activity to the membrane and specific substrate phosphorylation. Nel AE, et al. **J Immunol** 1987 May 15;138(10):3519–24

Site specific glycosylation patterns of H-2K: effects of allelic polymorphism and mitogenic stimulation. Powell LD, et al. **J Immunol** 1987 Aug 15;139(4):1206–13

DNA methylation alters chromatin structure and regulates

Thy-1 expression in EL-4 T cells. Sneller MC, et al. **J Immunol** 1987 May 15;138(10):3505-12

Expression of asialo GM1 on a subset of adult murine thymocytes: histological localization and demonstration that the asialo GM1-positive subset contains both the functionally mature and the proliferating thymocyte subpopulations. Suttles J, et al. **J Immunol** 1987 Jan 15; 138(2):364-72

Production of interleukin 1 by adult T cell leukemia (ATL) cell lines. Yamashita U, et al. **J Immunol** 1987 May 15; 138(10):3284-9

One-signal requirement for interferon-gamma production by human large granular lymphocytes. Young HA, et al. **J Immunol** 1987 Aug 1;139(3):724-7

Angiotensin II suppression of human mononuclear cell reactivity is associated with enhanced OKT8+ lymphocyte thymidine incorporation. Simon MR, et al. **J Immunopharmacol** 1986;8(3):289-97

1,25-dihydroxyvitamin D3 stimulates interleukin-2 production by a T cell lymphoma line (MLA-144) cultured in vitamin D-deficient rat serum. Haverty T, et al. **J Leukocyte Biol** 1987 Feb;41(2):177-82

Decreased membrane "fluidity" of T lymphocytes from untreated patients with Hodgkin's disease. Aleksijevic A, et al. **Leuk Res** 1986;10(12):1477-84

Age-associated changes in proliferative and differentiative response of human B cells and production of T cell-derived factors regulating B cell functions. Hara H, et al. **Mech Ageing Dev** 1987 May;38(3):245-58

Fluorometric and flow cytometric analysis of the cyclosporine-calmodulin interaction in T lymphocytes. Colombani PM, et al. **Methods Enzymol** 1987;139:677-90

Incomplete nucleoside transport deficiency with increased hypoxanthine transport capability in mutant T-lymphoblastoid cells. Aronow B, et al. **Mol Cell Biol** 1986 Apr;6(4):1296-303

Expression of a novel high-affinity purine nucleobase transport function in mutant mammalian T lymphoblasts. Aronow B, et al. **Mol Cell Biol** 1986 Aug;6(8):2957-62

Diltiazem inhibits transferrin receptor expression and causes G1 arrest in normal and neoplastic T cells. Neckers LM, et al. **Mol Cell Biol** 1986 Dec;6(12):4244-50

Interleukin-2 and GTP binding in lymphocytes [letter] Bourne HR. **Nature** 1987 Apr 30-May 6;326(6116):833-4

Stimulation of specific GTP binding and hydrolysis activities in lymphocyte membrane by interleukin-2 [published erratum appears in Nature 1987 Jun 14-17;327(6122):467] Evans SW, et al. **Nature** 1987 Jan 8-14;325(7000):166-8

Biologically active analogs of thymopentin with enhanced enzymatic stability. Heavner GA, et al. **Peptides** 1986 Nov-Dec;7(6):1015-9

Basal and adenosine receptor-stimulated levels of cAMP are reduced in lymphocytes from alcoholic patients. Diamond I, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1413-6

Expression of members of immunoglobulin gene family in somatic cell hybrids between human B and T cells. Kozbor D, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4969-73

Octapeptides deduced from the neuropeptide receptor-like pattern of antigen T4 in brain potently inhibit human immunodeficiency virus receptor binding and T-cell infectivity. Pert CB, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9254-8

Cloned murine T200 (Ly-5) cDNA reveals multiple transcripts within B- and T-lymphocyte lineages. Raschke WC. **Proc Natl Acad Sci USA** 1987 Jan;84(1):161-5

Down-regulation of glucocorticoid and beta-adrenergic receptors on lectin-stimulated splenocytes. Westly HJ, et al. **Proc Soc Exp Biol Med** 1987 Jun;185(2):211-8

Ca2+-dependent K+ transport in lymphocytes. Sánchez A, et al. **Rev Esp Fisiol** 1986 Dec;42(4):459-64

Mitogen induced LIF-production in T-lymphocyte subpopulations. Aguilar-Santelises M, et al. **Rev Latinoam Microbiol** 1987 Jan-Mar;29(1):21-5

ELISA assay for the detection of a dextran-binding product secreted by a T-cell hybrid Th 1. Pasanen VJ, et al. **Scand J Immunol** 1987 Apr;25(4):349-57

Intracellular accumulation of T-cell receptor complex molecules in a human T-cell line. Tse DB, et al. **Science** 1986 Nov 7;234(4777):748-51

The role of interleukin-2 in proliferative responses in vitro of T cells from patients after bone marrow transplantation. Evidence that minor defects can lead to in vitro unresponsiveness. Roosnek EE, et al. **Transplantation** 1987 Jun;43(6):855-60

Diminished production of interleukin 2 and gamma-interferon by cloned "T" cells from patients with the acquired immunodeficiency syndrome (AIDS). Maggi E, et al. **Tumori** 1987 Jun 30;73(3):273-8

Cytoplasmic localization of the HTLV-III 3' orf protein in cultured T cells. Franchini G, et al. **Virology** 1986 Dec; 155(2):593-9

[Characterization of a factor produced by human alloreactive T lymphocyte clones, active on the eosinophils and precursors of erythroid strains] Moreau JF, et al. **C R Acad Sci [III]** 1987;304(1):5-10 (Eng. Abstr.) **(Fre)**

[Synergism of effect between phytohemagglutinin, interleukin 2 and methotrexate on the protidosynthetic activity of human lymphocytes (letter)] Ciaiolo C. **Minerva Med** 1987 Jul 15;78(13):941-2 **(Ita)**

[Detection of cytoplasmic mu chain by the double PAP method in cell lines and childhood non-T, non-B ALL cells] Sugita K, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 May;49(3):686-95 (Eng. Abstr.) **(Jpn)**

[Changes in Ca2+ level in cytoplasm of rat thymocytes after treatment with mitogens] GukovskaiaAS, et al. **Biofizika** 1987 Jan-Feb;32(1):163-4 (Eng. Abstr.) **(Rus)**

[Inhibitory effect of active oxygen scavengers on the endocytosis of concanavalin A by lymphocytes] Timoshenko AV, et al. **Biofizika** 1987 May-Jun;32(3):434-7 (Eng. Abstr.) **(Rus)**

[Immunoglobulins and insulin-binding capacity of T lymphocytes in diabetes mellitus types I and II] Antsiferov MB, et al. **Sov Med** 1986;(7):25-8 (Eng. Abstr.) **(Rus)**

[Cyclic AMP level in T- and B lymphocytes in patients with rheumatoid arthritis and systemic lupus erythematosus] Bandzhiulene SIu, et al. **Ter Arkh** 1986;58(7):46-9 (Eng. Abstr.) **(Rus)**

[Metabolism of extracellular adenine nucleotides and adenosine uptake by rat thymocytes; the effect of concanavalin A] Dmitrenko NP, et al. **Ukr Biokhim Zh** 1987 Mar-Apr;59(2):61-5 (Eng. Abstr.) **(Rus)**

[Chemiluminescence of peripheral blood T- and B-lymphocytes in patients recovering from burn injuries of the eyes] Travkin AG, et al. **Vestn Oftalmol** 1986 Nov-Dec;102(6):58-9 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Ultrastructural and immunological studies of virus particles observed in a T-cell line derived from a mouse spontaneous lymphoma. Ohtsuki Y, et al. **Acta Pathol Jpn** 1987 Feb; 37(2):201-6

HTLV-I infection of cerebrospinal fluid T cells from patients with chronic neurologic disease. DeFreitas E, et al. **AIDS Res Hum Retroviruses** 1987 Spring;3(1):19-32

Expression of the HTLV-1 genome and its association with a unique T-cell malignancy. Yoshida M. **Biochim Biophys Acta** 1987 Jul 8;907(2):145-61 (111 ref.)

Loss of interleukin-2 requirement for the generation of T colonies defines an early event of human T-lymphotropic virus type I infection. Duc Dodon M, et al. **Blood** 1987 Jan;69(1):12-7

Quantitative assay of human T-cell leukemia/lymphoma virus transformation. Graziano SL, et al. **Cancer Res** 1987 May 1;47(9):2468-73

pH-independent HIV entry into CD4-positive T cells via virus envelope fusion to the plasma membrane. Stein BS, et al. **Cell** 1987 Jun 5;49(5):659-68

Effect of cytomegalovirus infection on T-lymphocytes after lymphocyte-depleted bone marrow transplantation. Gratama JW, et al. **Exp Hematol** 1987 Aug;15(7):803-8

Stable expression of a selectable myeloproliferative sarcoma virus in murine T lymphocyte and monocyte cell lines. Seliger B, et al. **Immunobiology** 1987 May;174(3):313-25

A highly leukemogenic radiation leukemia virus isolate is a thymotropic, immunosuppressive retrovirus with a unique RNA structure. Ben David Y, et al. **Int J Cancer** 1987 Apr 15;39(4):492-7

Establishment and characterization of a T-lymphoblastoid cell line MDCC-MTB1 derived from chick lymphocytes infected in vitro with Marek's disease virus serotype 1. Ikuta K, et al. **Int J Cancer** 1987 Apr 15;39(4):514-20

High production of the acquired immunodeficiency syndrome virus (lymphadenopathy-associated virus) by human T lymphocytes stimulated by streptococcal mitogenic toxins. Alouf JE, et al. **J Clin Microbiol** 1986 Oct;24(4):639-41

Ultrastructure and immunoelectron microscopy of human T-cell leukaemia virus type I-producing lymphoid and non-lymphoid human tumour cells. Timar J, et al. **J Gen Virol** 1987 Apr;68 (Pt 4):1011-20

Detection of human T cell leukemia virus type I and human immunodeficiency virus in cultured lymphocytes of a Zairian man with AIDS. Getchell JP, et al. **J Infect Dis** 1987 Apr;155(4):612-6

Effects of nonleukemogenic and wild-type Moloney murine leukemia virus on lymphoid cells in vivo: identification of a preleukemic shift in thymocyte subpopulations. Davis BR, et al. **J Virol** 1986 Nov;60(2):423-30

Effects of mutations within the 3' orf open reading frame region of human T-cell lymphotropic virus type III (HTLV-III/LAV) on replication and cytopathogenicity. Terwilliger E, et al. **J Virol** 1986 Nov;60(2):754-60

Theory of an immune system retrovirus. Cooper LN. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9159-63

Cross-reactivity to human T-lymphotropic virus type III/lymphadenopathy-associated virus and molecular cloning of simian T-cell lymphotropic virus type III from African green monkeys. Hirsch V, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9754-8

Alterations in T4 (CD4) protein and mRNA synthesis in cells infected with HIV. Hoxie JA, et al. **Science** 1986 Nov 28; 234(4780):1123-7

Control protein for AIDS virus identified [news] Marx JL. **Science** 1987 Apr 24;236(4800):393

Human immunodeficiency virus infection of monocytic and T-lymphocytic cells: receptor modulation and differentiation induced by phorbol ester. Clapham PR, et al. **Virology** 1987 May;158(1):44-51

Infection of the HTLV-II-bearing T-cell line C3 with HTLV-III/LAV is highly permissive and lytic. Montefiori DC, et al. **Virology** 1986 Dec;155(2):726-31

Effect of 3'-azido-2',3'-dideoxythymidine (AZT) and neutralizing antibody on human immunodeficiency virus (HIV)-induced cytopathic effects: implication of giant cell formation for the spread of virus in vivo. Nakashima H, et al. **Virology** 1987 Jul;159(1):169-73

Cell killing by ultraviolet-inactivated human immunodeficiency virus. Rasheed S, et al. **Virology** 1986 Oct 30;154(2):395-400

Growth of malignant rabbit fibroma virus in lymphoid cells. Strayer DS, et al. **Virology** 1987 May;158(1):147-57

[Rat lymphoid cell lines producing human T cell leukemia virus-I] Tateno M. **Hokkaido Igaku Zasshi** 1987 Jan; 62(1):74-81 (Eng. Abstr.) **(Jpn)**

[Structure of the AIDS virus and mechanism of its lymphocytopathic effect] Ono K. **Nippon Rinsho** 1986 Oct; 44(10):2144-53 **(Jpn)**

[Detection of HTLV-III-specific sequences in T-lymphocyte lines by molecular hybridization] Tentsov IuIu, et al. **Vopr Virusol** 1987 Mar-Apr;32(2):219-21 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Effect of T-lymphocyte suppression on the parasite burden in Leishmania major-infected, genetically susceptible BALB/c mice. Solbach W, et al. **Infect Immun** 1986 Dec; 54(3):909-12

PATHOLOGY

In vitro propagation of tissue-infiltrating lymphoid cells from lesional skin by culture in IL 2-containing medium. Aiba S, et al. **Acta Derm Venereol (Stockh)** 1986;66(5):391-7

Immunocompetent cells of fixed drug eruption. Visa K, et al. **Acta Derm Venereol (Stockh)** 1987;67(1):30-5

Immunoblastic lymphadenopathy-like T-cell lymphoma with multiple cutaneous and visceral involvements. Nakamine H, et al. **Acta Pathol Jpn** 1986 Nov; 36(11):1757-68

Immunophenotypic characterization of the cutaneous exanthem of SIV-infected rhesus monkeys. Apposition of degenerative Langerhans cells and cytotoxic lymphocytes during the development of acquired immunodeficiency syndrome. Ringler DJ, et al. **Am J Pathol** 1987 Feb; 126(2):199-207

Clonal T-cell populations in pityriasis lichenoides et varioliformis acuta (Mucha-Habermann disease). Weiss LM, et al. **Am J Pathol** 1987 Mar;126(3):417-21

A continuous T-cell line from a patient with Sézary syndrome. Kaltoft K, et al. **Arch Dermatol Res** 1987; 279(5):293-8

Comparison of bronchoalveolar lavage helper/suppressor T-cell ratios in sarcoidosis versus other interstitial lung diseases. Robinson BW, et al. **Aust NZ J Med** 1987 Feb; 17(1):9-15

Lack of association between abnormalities of the chromosome 9 short arm and either "lymphomatous" features or T cell phenotype in childhood acute lymphocytic leukemia. Carroll AJ, et al. **Blood** 1987 Mar; 69(3):735-8

Terminal deoxynucleotidyl transferase expression can precede T cell receptor beta chain and gamma chain rearrangement in T cell acute lymphoblastic leukemia. Greenberg JM, et al. **Blood** 1987 Jan;69(1):356-60

T cell differentiation stages identified by molecular and immunologic analysis of the T cell receptor complex in childhood lymphoblastic leukemia. Mirro J Jr, et al. **Blood** 1987 Mar;69(3):908-12

Abnormal proliferation of T-colony-forming cells from peripheral blood of patients with T-cell acute lymphoblastic leukaemias and lymphomas in complete remission: potential prognostic value. Allouche M, et al. **Br J Haematol** 1987 Apr;65(4):411-8

Heterogeneity of large granular lymphocyte proliferations: morphological, immunological and molecular analysis in seven patients. Lauria F, et al. **Br J Haematol** 1987 Jun; 66(2):187-91

Nonneoplastic circulating Sézary-like cells in cutaneous T-cell lymphoma. Ultrastructural, immunologic, and T-cell receptor gene-rearrangement studies. Bendelac A, et al. **Cancer** 1987 Sep 1;60(5):980-6

Nonlymphoblastic T-cell lymphoma in children. Bitter MA, et al. **Cancer** 1987 Jun 15;59(12):2099-103

Immunoblastic lymphadenopathy, angioimmunoblastic lymphadenopathy, and IBL-like T-cell lymphoma. A spectrum of T-cell neoplasia. Watanabe S, et al. **Cancer** 1986 Nov 15;58(10):2224-32

T-cell recruitment from the thymus to the spleen in tumor bearing mice: phenotypical alteration and recruitment of thymocytes raised in a tumor bearing state. Tanaka K, et al. **Cancer Res** 1987 Apr 15;47(8):2136-41

The poor accessory cell function of macrophages in the rat may reflect their inability to form clusters with T cells. Kradin RL, et al. **Clin Immunol Immunopathol** 1987 Sep; 44(3):348-63

Canine cyclic hematopoiesis: alterations in T lymphocyte subpopulations in peripheral blood, lymph nodes, and thymus of gray collie dogs. Trail PA, et al. **Clin Immunol Immunopathol** 1986 Nov;41(2):216-26

T-cell morphology in nodular follicular center cell lymphomas. Bonar MJ, et al. **Diagn Clin Immunol** 1987; 5(1):14-9

T-lymphocyte populations in normal and coeliac small intestinal mucosa defined by monoclonal antibodies. Jenkins D, et al. **Gut** 1986 Nov;27(11):1330-7

Morphologic, cytochemical and immunological profile in

T-cell acute lymphoblastic leukemia of childhood. Cantù-Rajnoldi A, et al. **Haematologica (Pavia)** 1986 Nov-Dec;71(6):467-72

Phenotypic heterogeneity displayed by T-non Hodgkin's lymphoma (T-NHL) cells dispersed from diagnostic lymph node biopsies. Jones DB, et al. **Hematol Oncol** 1986 Jul-Sep;4(3):219-26

Peripheral T-cell lymphoma presenting as predominant liver disease: a report of three cases. Gaulard P, et al. **Hepatology** 1986 Sep-Oct;6(5):864-8

Intralesional T lymphocyte phenotypes and HLA-DR expression in Melkersson-Rosenthal syndrome. Rönnblom L, et al. **Int J Oral Maxillofac Surg** 1986 Oct;15(5):614-9

Tissues of the Laron dwarf are sensitive to insulin-like growth factor I but not to growth hormone. Geffner ME, et al. **J Clin Endocrinol Metab** 1987 May;64(5):1042-6

Selective reduction of the OKT 4 positive 4B4 positive subset during HTLV III infection in humans. De Paoli P, et al. **J Clin Lab Immunol** 1987 Mar;22(3):117-9

Motility and infiltration capacity of lymphoid tumour cells: disturbance of motile behaviour in TCLL-lymphocytes. Sundqvist KG, et al. **J Clin Lab Immunol** 1987 Jun; 23(2):71-5

Cytologic transformation in cutaneous T cell lymphoma: a clinicopathologic entity associated with poor prognosis. Dmitrovsky E, et al. **J Clin Oncol** 1987 Feb;5(2):208-15

Effector T cell differentiation in experimental interstitial nephritis. I. The development and modulation of effector lymphocyte maturation by I-J+ regulatory T cells. Mann R, et al. **J Immunol** 1987 Jun 15;138(12):4200-8

A long-term clinicopathologic survey of patients with Jessner's lymphocytic infiltration of the skin. Konttinen YT, et al. **J Invest Dermatol** 1987 Aug;89(2):205-8

Analysis of tissue lymphocytes by double fluorescent staining—gastric cancer tissue and regional lymph nodes. Takeda I, et al. **Jpn J Surg** 1987 May;17(3):156-61

Peripheral blood adherent cells from AIDS patients inhibit normal T-colony growth through decreased expression of interleukin 2-receptors and production of interleukin 2. Lunardi-Iskandar Y, et al. **Leuk Res** 1987;11(8):753-60

A case of CD4+/CD8- adult T-cell leukemia with good response to interferon-beta terminating as a CD4+/CD8+ adult T-cell lymphoma. Tamura K, et al. **Leuk Res** 1987; 11(7):665-8

Malignant melanoma metastatic to sphenoid bone with an unknown primary origin: report of a case with an immunohistochemical analysis of the infiltrating lymphocytes. Yamasaki T, et al. **Neurosurgery** 1987 Jul; 21(1):73-7

Quantitation of intraglomerular Ia positive cells and T cells in the experimental glomerulonephritis. Kawaguchi H, et al. **Nippon Jinzo Gakkai Shi** 1987 Mar;29(3):323-33

Graft failure and leukemia relapse following T lymphocyte-depleted bone marrow transplants: effect of intensification of immunosuppressive conditioning. Champlin RE, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2616-9

Abnormal T-lymphocytes in lymphomatoid papulosis. A cytomorphological study with a reconstruction of a major part of the cell differentiation cycle. van der Putte SC, et al. **Virchows Arch [B]** 1987;52(5):413-27

[Immunohistologic characterization of stasis dermatitis transformed skin of the lower leg] Bahmer F. **Z Hautkr** 1987 Jul 15;62(14):1056-63 (Eng. Abstr.) **(Ger)**

[Morphological studies on cells from adult T cell leukemia. I. Cell morphology and clinical subtypes] Kumagai T, et al. **Rinsho Byori** 1987 Mar;35(3):281-6 **(Jpn)**

[Heterogeneity of T gamma-lymphoproliferative disorder—case report and review of the literature] Hara J, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2325-32 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Abnormal expansion of azurophilic granular lymphocytes with peculiar surface phenotype in a case of malignant lymphoma] Ninomiya H, et al. **Rinsho Ketsueki** 1986 Nov; 27(11):2168-72 (Eng. Abstr.) **(Jpn)**

[Induced differentiation of subpopulations of leukemic blood cells in patients with chronic B-cell lympholeukemia] Zlobina EN, et al. **Biull Eksp Biol Med** 1987 Mar; 103(3):340-2 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Expression of c-myc in stimulated T lymphocytes of the helper/inducer phenotype producing lymphokine(s) supporting multilineage colony formation. Löhr H, et al. **Acta Haematol (Basel)** 1986;76(4):192-5

Suppressor cell activity and T-cell subsets in multiple sclerosis. Buttinelli C, et al. **Acta Neurol (Napoli)** 1987 Jun; 9(3):161-8

Changes in lymphocyte level with positive alpha-naphthyl acetate esterase (ANAE) reaction in peripheral blood of rabbits after destruction of mammillary hypothalamic region. Luža J, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;111:83-8

Adenosine receptors on human T lymphocytes and human thymocytes. Dinjens WN, et al. **Adv Exp Med Biol** 1986; 195 Pt B:1-6

16th forum in immunology. The role of the CD4 (L3T4) molecule in T-cell activation. **Ann Inst Pasteur Immunol** 1987 Jan-Feb;138(1):125-69

In vivo labeling of blood T cells: rapid traffic into cerebrospinal fluid in multiple sclerosis. Hafler DA, et al. **Ann Neurol** 1987 Jul;22(1):89-93

Early events in T-cell maturation. Adkins B, et al. **Annu Rev Immunol** 1987;5:325-65 (186 ref.)

Cellular, biochemical, and molecular basis of T-cell senescence. Makinodan T, et al. **Arch Pathol Lab Med** 1987 Oct;111(10):910-4

The interleukin 2 receptor and its physiology. Implications for combatting autoimmune diseases and transplant rejections. Diamantstein T. **Behring Inst Mitt** 1987 Jun; (81):73-87

Complement-dependent triggering of B-cells, T-cells and macrophages. Dierich MP, et al. **Behring Inst Mitt** 1987 Jun;(81):128-32

The "erythrocyte receptor" of T-lymphocytes and T11 target structure (T11TS): complementary cell interaction molecules involved in T-cell activation. Hünig T, et al. **Behring Inst Mitt** 1987 Jun;(81):31-40

Structure and function of the human interleukin 2 receptor gene. Krönke M, et al. **Behring Inst Mitt** 1987 Jun; (81):60-72

Biochemical aspects of constitutive and facultative expression of MHC class II molecules at the pre- and posttranslational level. Reske K, et al. **Behring Inst Mitt** 1987 Jun;(81):46-59

The human T cell receptor for antigen: structure, ontogeny and gene expression. Royer HD, et al. **Behring Inst Mitt** 1987 Jun;(81):1-14 (76 ref.)

Cellular oncogenes and lymphocyte activation. Schneider-Schaulies J, et al. **Behring Inst Mitt** 1987 Jun; (81):110-9

Gene transfer experiments to study T-cell recognition of MHC and antigen. Steinmetz M, et al. **Behring Inst Mitt** 1987 Jun;(81):41-5

T lymphocytes lack rearrangement of the bcr gene in Philadelphia chromosome-positive chronic myelocytic leukemia. Bartram CR, et al. **Blood** 1987 Jun;69(6):1682-5

The regulatory role of interleukin 2-responsive T lymphocytes on human marrow granulopoiesis. Estrov Z, et al. **Blood** 1987 Apr;69(4):1161-6

The syndrome of T8 hyperlymphocytosis: variation in phenotype and cytotoxic activities of granular cells and evaluation of their role in associated neutropenia. Grillot-Courvalin C, et al. **Blood** 1987 Apr;69(4):1204-10

T lymphocyte-derived differentiation-inducing factor inhibits proliferation of leukemic and normal hemopoietic cells. Gullberg U, et al. **Blood** 1986 Dec;68(6):1333-8

Lymphokine(s) from isolated T lymphocyte subpopulations support multilineage hematopoietic colony and megakaryocytic colony formation. Kanz L, et al. **Blood** 1986 Nov;68(5):991-5

T cell rearranging gene gamma: diversity and mRNA expression in fresh cells from T cell acute lymphoblastic leukemia. Le Paslier D, et al. **Blood** 1987 Sep;70(3):637-46

Proliferative and differentiative responses of B cells from human marrow graft recipients to T cell-derived factors. Matsue K, et al. **Blood** 1987 Jan;69(1):308-15

Augmentation of in vitro human marrow erythropoiesis under physiological oxygen tensions is mediated by monocytes and T lymphocytes. Pennathur-Das R, et al. **Blood** 1987 Mar;69(3):899-907

Human gamma interferon enhances release from phytohemagglutinin-stimulated T4+ lymphocytes of activities that stimulate colony formation by granulocyte-macrophage, erythroid, and multipotential progenitor cells. Piacibello W, et al. **Blood** 1986 Dec; 68(6):1339-47

Development of T3/T cell receptor gene expression in human pre-T neoplasms. Pittaluga S, et al. **Blood** 1987 Apr; 69(4):1062-7

7q32-q36 translocations in childhood T cell leukemia: cytogenetic evidence for involvement of the T cell receptor beta-chain gene. Raimondi SC, et al. **Blood** 1987 Jan; 69(1):131-4

Rearrangement for the T-cell receptor gene and co-expression of immature T-cell markers and natural killer cell phenotype, in a patient with acute lymphoblastic leukaemia. Pizzolo G, et al. **Br J Haematol** 1987 Jan; 65(1):17-22

1,25-Dihydroxyvitamin D3-regulated expression of genes involved in human T-lymphocyte proliferation and differentiation. Matsui T, et al. **Cancer Res** 1986 Nov; 46(11):5827-31

Role of the thymus and T-cells in slow growth of B16 melanoma in old mice. Tsuda T, et al. **Cancer Res** 1987 Jun 15;47(12):3097-100

Analysis of DNA surrounding the breakpoints of chromosomal translocations involving the beta T cell receptor gene in human lymphoblastic neoplasms. Reynolds TC, et al. **Cell** 1987 Jul 3;50(1):107-17

The role of the L3T4 molecule in mitogen and antigen-activated signal transduction. Rosoff PM, et al. **Cell** 1987 Jun 19;49(6):845-53

Antigen activation of murine T cells induces tyrosine phosphorylation of a polypeptide associated with the T cell antigen receptor. Samelson LE, et al. **Cell** 1986 Sep 26;46(7):1083-90

Regulation of T-cell functions by L-lactate. Dröge W, et al. **Cell Immunol** 1987 Sep;108(2):405-16

Age-related change in the potential of bone marrow cells to repopulate the thymus and splenic T cells in mice. Hirokawa K, et al. **Cell Immunol** 1986 Jul;100(2):443-51

A chemotactic factor for rat thymocytes may regulate T-lymphocyte migration toward the thymic microenvironment. Imaizumi A, et al. **Cell Immunol** 1987 Aug;108(1):53-63

Splenocytes and bone marrow cells from T-cell deficient Nu/Nu mice secrete interleukin 3 activity after stimulation in vitro. Palacios R, et al. **Cell Immunol** 1986 Jul; 100(2):532-40

Development of T-cell function in relation to T-cell set diversification in nu/nu mice. Ranges GE, et al. **Cell Immunol** 1986 Apr 1;98(2):496-505

Regulation of T-cell activation and T-cell growth factor (TCGF) production by hydrogen peroxide. Roth S, et al. **Cell Immunol** 1987 Sep;108(2):417-24

ConA-mediated agglutination in rat T-lymphocytes is enhanced by the membrane-perturbing agent CTAB. Isomaa B, et al. **Cell Mol Biol** 1986;32(5):627-30

Long term growth of factor-producing lymphoid and myeloid cells in serum-free medium. Tanno Y, et al. **Cell Struct Funct** 1986 Sep;11(3):209-17

HLA-DR-linked genes are involved in the control of T lymphocyte blood levels. Caruso C, et al. **Clin Immunol Immunopathol** 1987 Aug;44(2):160-6

Does normal lymphocyte DNA synthesis in response to PHA exclude cell-mediated immunodepression? Dirienzo W, et al. **Clin Immunol Immunopathol** 1986 Nov;41(2):227-35

Molecular signaling mechanisms in T-lymphocyte activation pathways: a review and future prospects. Nel AE, et al. **Clin Immunol Immunopathol** 1987 Aug;44(2):167-86 (173 ref.)

A review of the structure and function of the T-cell receptor-T3 complex. Oettgen HC, et al. **CRC Crit Rev Immunol** 1987;7(2):131-67 (285 ref.)

Differential transient and long-term expression of DNA sequences introduced into T-lymphocyte lines. Novak TJ, et al. **DNA** 1986 Dec;5(6):439-51

Bovine leukemia virus replicates in sheep B lymphocytes under a T cell released factor. Djilali S, et al. **Eur J Cancer Clin Oncol** 1987 Jan;23(1):81-5

Human T cell clones can induce in vitro IgE synthesis in normal B cells regardless of alloantigen recognition or specificity for peculiar antigens. Del Prete G, et al. **Eur J Immunol** 1986 Dec;16(12):1509-14

Cross-linking of the T cell receptor complex with the subset-specific differentiation antigen stimulates interleukin 2 receptor expression in human CD4 and CD8 T cells. Emmrich F, et al. **Eur J Immunol** 1987 Apr;17(4):529-34

Constitutive production of B cell differentiation factor-like activity by human T and B cell lines. Kanowith-Klein S, et al. **Eur J Immunol** 1987 May;17(5):593-8

Sequences and repertoire of the human T cell receptor alpha and beta chain variable region genes in thymocytes. Kimura N, et al. **Eur J Immunol** 1987 Mar;17(3):375-83

Function of the LFA-1 and T4 molecules in the direct activation of resting human B lymphocytes by T lymphocytes. Tedder TF, et al. **Eur J Immunol** 1986 Dec; 16(12):1539-43

Granzyme A secretion by normal activated Lyt-2+ and L3T4+ T cells in response to antigenic stimulation. Velotti F, et al. **Eur J Immunol** 1987 Aug;17(8):1095-9

The role of erythropoietin, megakaryocyte colony-stimulating factor, and T-cell-derived factors on human megakaryocyte colony formation: evidence for T-cell-mediated and T-cell-independent stem cell proliferation. Geissler D, et al. **Exp Hematol** 1987 Sep; 15(8):845-53

Reciprocal regulation of human basophil and eosinophil differentiation by separate T-cell-derived factors. Tanno Y, et al. **Exp Hematol** 1987 Jan;15(1):24-33

In vitro inhibition of hematopoiesis by HNK1, DR-positive T cells and monocytes after allogeneic bone marrow transplantation. Vinci G, et al. **Exp Hematol** 1987 Jan; 15(1):54-64

Modulation of the immunological response to hepatitis B virus by antibodies. Celis E, et al. **Hepatology** 1987 May-Jun;7(3):563-8

Interleukin-2 receptors: biology and therapeutic potentials. Waldmann TA, et al. **Hosp Pract [Off]** 1987 Jan 15; 22(1):77-84, 93-4

Mammalian T-lymphocyte antigen receptor genes: genetic and nongenetic potential to generate variability. Epplen JT, et al. **Hum Genet** 1987 Apr;75(4):300-10

Human interleukin 2: molecular biology, physiology and clinical possibilities. Mertelsmann R, et al. **Immunobiology** 1986 Sep;172(3-5):400-19 (101 ref.)

Specific adherence of thymocytes to a thymic medullary epithelial cell line. Potworowski EF, et al. **Immunol Lett** 1986 Aug;13(1-2):89-94

Activation antigens and signal transduction in lymphocyte activation. **Immunol Rev** 1987 Feb;95:1-194

Functional and molecular aspects of human T lymphocyte activation via T3-Ti and T11 pathways. Alcover A, et al. **Immunol Rev** 1987 Feb;95:5-36 (64 ref.)

Transmembrane ion fluxes during activation of human T lymphocytes: role of Ca2+, Na+/H+ exchange and phospholipid turnover. Gelfand EW, et al. **Immunol Rev** 1987 Feb;95:59-87 (80 ref.)

T-lymphocyte activation: the role of protein kinase C and the bifurcating inositol phospholipid signal transduction pathway. Isakov N, et al. **Immunol Rev** 1987 Feb;95:89-111 (70 ref.)

T-cell unresponsiveness in vivo and in vitro: fine specificity of induction and molecular characterization of the unresponsive state. Jenkins MK, et al. **Immunol Rev** 1987

Feb;95:113–35 (50 ref.)
Signal transduction in human T lymphocytes. Linch DC, et al. **Immunol Rev** 1987 Feb;95:137–59 (55 ref.)
Synergy between interleukin-2 and a second factor in the long-term growth of human T cells. Mills BJ, et al. **Immunology** 1986 Sep;59(1):57–61
Accessory cell requirements in mitogen-induced rabbit T lymphocyte proliferation in an improved tissue culture system. Stiekema FE, et al. **In Vitro Cell Dev Biol** 1987 Apr;23(4):253–6
Granulocyte-macrophage colony-stimulating factor enhances the production of eosinophil chemotactic lymphokine by egg-associated granulomas of Schistosoma japonicum-infected mice. Owhashi M, et al. **Infect Immun** 1987 Sep;55(9):2042–6
T cell factors involved in the regulation of the IgE synthesis. Ishizaka K, et al. **Int Arch Allergy Appl Immunol** 1987; 82(3–4):383–8 (14 ref.)
Monkey interleukin 2: optimal conditions for production and partial characterization. Tatsumi M, et al. **Int Arch Allergy Appl Immunol** 1986;81(2):118–25
Biocompatibility of charcoal hemoperfusion. Effects of long-term treatment on lymphocyte characteristics and function. Stefoni S, et al. **Int J Artif Organs** 1986 Sep; 9(5):301–4
Modification of the contractile activity of isolated atria by T4 lymphocytes from patients with Chagas' disease: effect of soluble factors. de Bracco MM, et al. **Int J Immunopharmacol** 1986;8(6):645–9
Expansion of activated T-lymphocytes in patients treated with recombinant interleukin 2. Kolitz JE, et al. **J Biol Response Mod** 1987 Aug;6(4):412–29
Involvement of leukocyte function-associated antigen-1 (LFA-1) in the invasion of hepatocyte cultures by lymphoma and T-cell hybridoma cells. Roos E, et al. **J Cell Biol** 1987 Jul;105(1):553–9
Analysis of prostaglandin E2 effect on T lymphocyte activation. Abrogation of prostaglandin E2 inhibitory effect by the tumor promotor 12.0 tetradecanoyl phorbol-13 acetate. Chouaib S, et al. **J Clin Invest** 1987 Aug; 80(2):333–40
T cell receptor alpha-, beta-, and gamma-genes in T cell and pre-B cell acute lymphoblastic leukemia. Felix CA, et al. **J Clin Invest** 1987 Aug;80(2):545–56
Monocyte-T lymphocyte interaction for regulation of insulin receptors of the activated T lymphocyte. Helderman JH, et al. **J Clin Invest** 1987 Feb;79(2):566–71
Restoration of impaired B- and T-lymphocyte subsets and functions in vitro by isoprinosine in prodromal homosexuals and AIDS patients. Tsang PH, et al. **J Clin Lab Immunol** 1986 Aug;20(4):159–65
Expression of a murine polyclonal T cell receptor marker correlates with the use of specific members of the V beta 8 gene segment subfamily. Behlke MA, et al. **J Exp Med** 1987 Jan 1;165(1):257–62
Depletion of RT6.1+ T lymphocytes induces diabetes in resistant biobreeding/Worcester (BB/W) rats. Greiner DL, et al. **J Exp Med** 1987 Aug 1;166(2):461–75
Defective lymphopoiesis in bone marrow of motheaten (me/me) and viable motheaten (mev/mev) mutant mice. I. Analysis of development of prothymocytes, early B lineage cells, and terminal deoxynucleotidyl transferase-positive cells. Greiner DL, et al. **J Exp Med** 1986 Oct 1;164(4):1129–44
Functional T lymphocytes are required for a murine retrovirus-induced immunodeficiency disease (MAIDS). Mosier DE, et al. **J Exp Med** 1987 Jun 1;165(6):1737–42
Development of fetal thymocytes in organ cultures. Effect of interleukin 2. Skinner M, et al. **J Exp Med** 1987 Jun 1;165(6):1481–93
Interleukin-HP1, a T cell-derived hybridoma growth factor that supports the in vitro growth of murine plasmacytomas. Van Snick J, et al. **J Exp Med** 1987 Mar 1;165(3):641–9
Two types of potassium channels in murine T lymphocytes. Decoursey TE, et al. **J Gen Physiol** 1987 Mar;89(3):379–404
Mitogen induction of ion channels in murine T lymphocytes. Decoursey TE, et al. **J Gen Physiol** 1987 Mar;89(3):405–20
Theoretical prerequisites for an experimental corroboration of the existence of a specialized cellular system in control of multicellular organism tissue proliferation. Dontsov VI. **J Hyg Epidemiol Microbiol Immunol** 1987;31(2):209–17
Endocytosis of MHC molecules by B cell-B lymphoma and B cell-T lymphoma hybrids. Aragnol D, et al. **J Immunol** 1986 Nov 15;137(10):3347–53
rIL 2-induced proliferation of human circulating NK cells and T lymphocytes: synergistic effects of IL 1 and IL 2. Ben Aribia MH, et al. **J Immunol** 1987 Jul 15;139(2):443–51
Constitutive and induced expression of the individual HLA-DR beta and alpha chain loci in different cell types. Berdoz J, et al. **J Immunol** 1987 Aug 15;139(4):1336–41
Chemotactic activity of porcine insulin for human T lymphocytes in vitro. Berman JS, et al. **J Immunol** 1987 Apr 1;138(7):2100–3
Expression of MEL-14 antigen is not an absolute requirement for dissemination to lymph nodes after adoptive transfer of murine T lymphocyte clones. Bookman MA, et al. **J Immunol** 1986 Oct 1;137(7):2107–14
Selectively increased production of interferon-gamma by subsets of Lyt-2+ and L3T4+ T cells identified by expression of Pgp-1. Budd RC, et al. **J Immunol** 1987 Jun 1;138(11):3583–6
Receptor-specific modulation of myelopoiesis by recombinant DNA-derived interleukin 2. Burdach S, et al. **J Immunol** 1987 Jul 15;139(2):452–8
Proliferation in vitro and interleukin production by 14 day fetal and adult Lyt-2-/L3T4- mouse thymocytes. Ceredig R. **J Immunol** 1986 Oct 1;137(7):2260–7
Effects of anti-proliferative cyclic AMP on interleukin 2-stimulated gene expression. Farrar WL, et al. **J Immunol** 1987 Sep 15;139(6):2075–80
A novel pathway of human T cell activation via a 103 kD T cell activation antigen. Fleischer B. **J Immunol** 1987 Mar 1;138(5):1346–50
Role of membrane potential in the response of human T lymphocytes to phytohemagglutinin. Gelfand EW, et al. **J Immunol** 1987 Jan 15;138(2):527–31
Monocyte procoagulant inducing factor: a lymphokine involved in the T cell-instructed monocyte procoagulant response to antigen. Gregory SA, et al. **J Immunol** 1986 Nov 15;137(10):3231–9
Molecular events involved in regulating human interferon-gamma gene expression during T cell activation. Hardy KJ, et al. **J Immunol** 1987 Apr 1;138(7):2353–8
Distinct signals are required for proliferation and lymphokine gene expression in murine T cell clones. Heckford SE, et al. **J Immunol** 1986 Dec 1;137(11):3652–63
T cell growth without serum. Herzberg VL, et al. **J Immunol** 1987 Aug 15;139(4):998–1004
Role of interleukin 1 in early T cell development: Lyt-2-L3T4- thymocytes bind and respond in vitro to recombinant IL 1. Howe RC, et al. **J Immunol** 1986 Nov 15;137(10):3195–200
Membrane-associated interleukin 1 is required for the activation of T cells in the anti-CD3 antibody-induced T cell response. Hurme M. **J Immunol** 1987 Aug 15; 139(4):1168–72
Loss of proliferative capacity and T cell immune development potential by bone marrow from mice undergoing a graft-vs-host reaction. Iwasaki T, et al. **J Immunol** 1986 Nov 15;137(10):3100–8
CD5 antibodies increase intracellular ionized calcium concentration in T cells. June CH, et al. **J Immunol** 1987 May 1;138(9):2782–92
Homing of antigen-specific T cells in the Lewis rat. I. Accumulation of antigen-reactive cells in the perithymic lymph nodes. Klinkert WE. **J Immunol** 1987 Aug 15; 139(4):1030–6
Genomic DNA encoding rabbit T cell receptor beta-chains: isotypes and allotypes of C beta. Komatsu M, et al. **J Immunol** 1987 Mar 1;138(5):1621–6
Induction of c-fos and c-myc expression in T lymphocytes after treatment with recombinant interleukin 1-alpha. Kovacs EJ, et al. **J Immunol** 1986 Dec 1;137(11):3649–51
Androgen receptors in human thymocytes. Kovacs WJ, et al. **J Immunol** 1987 Jul 15;139(2):490–3
Induction by lipopolysaccharide of intracellular and extracellular interleukin 1 production: analysis with synthetic models. Lasfargues A, et al. **J Immunol** 1987 Jul 15;139(2):429–36
Interleukin 1-driven secretion of interleukin 2 is highly temperature-dependent. Lederman HM, et al. **J Immunol** 1987 Jun 1;138(11):3808–11
Regulation of interleukin 2 synthesis by cAMP in human T cells. Mary D, et al. **J Immunol** 1987 Aug 15; 139(4):1179–84
Dissociation between the expression of IL 2 receptor and IL 2 receptor mRNA in the antigen-specific T cell clone stimulated by the specific antigen with B cell APC. Matsui M, et al. **J Immunol** 1987 Jul 15;139(2):373–9
Abnormal expression of T cell receptor genes in Lyt-2-L3T4- lymphocytes of lpr mice: comparison with normal immature thymocytes. Miescher GC, et al. **J Immunol** 1987 Mar 15;138(6):1959–67
The interleukin 1 receptor. Dynamics of interleukin 1 binding and internalization in T cells and fibroblasts. Mizel SB, et al. **J Immunol** 1987 May 1;138(9):2906–12
Compartmentalized activation of the interleukin 2 gene by lung T lymphocytes in active pulmonary sarcoidosis. Müller-Quernheim J, et al. **J Immunol** 1986 Dec 1; 137(11):3475–83
Glucocorticoid receptors and corticosensitivity of human thymocytes at discrete stages of intrathymic differentiation. Ranelletti FO, et al. **J Immunol** 1987 Jan 15;138(2):440–5
A rabbit class I major histocompatibility complex gene with a T cell-specific expression pattern. Rebiere MC, et al. **J Immunol** 1987 Sep 15;139(6):2066–74
Lymphokine synthesis is induced in human thymocytes by activation of the CD 2 (T11) pathway. Reem GH, et al. **J Immunol** 1987 Jul 1;139(1):130–4
Population kinetics of precursors of IL 2-producing peripheral T lymphocytes: evidence for short life expectancy, continuous renewal, and post-thymic expansion. Rocha BB. **J Immunol** 1987 Jul 15;139(2):365–72
Identification of interferon-gamma as the lymphokine that mediates leukotriene B4-induced immunoregulation. Rola-Pleszczynski M, et al. **J Immunol** 1987 Jul 15; 139(2):513–7
Cell surface T3 expression requires the presence of both alpha- and beta-chains of the T cell receptor. Saito T, et al. **J Immunol** 1987 Jul 15;139(2):625–8
Changes in gene expression induced by a phorbol diester: expression of IL 2 receptor, T3, and T cell antigen receptor. Shackelford DA, et al. **J Immunol** 1987 Jan 15;138(2):613–9
Structural and functional characteristics of the CD3 (T3) molecular complex on human thymocytes. Tsoukas CD, et al. **J Immunol** 1987 Jun 1;138(11):3885–90
Limited diversity and selection of rearranged gamma genes in polyclonal T cells. Uppenkamp M, et al. **J Immunol** 1987 Mar 1;138(5):1618–20
Establishment and characterization of an undifferentiated human T leukemia cell line which requires granulocyte-macrophage colony stimulatory factor for growth. Valtieri M, et al. **J Immunol** 1987 Jun 1; 138(11):4042–50
Ligand-receptor interactions required for commitment to the activation of the interleukin 2 gene. Weiss A, et al. **J Immunol** 1987 Apr 1;138(7):2169–76
Human dermal microvascular endothelial cells behave like umbilical vein endothelial cells in T-cell adhesion studies. Haskard DO, et al. **J Invest Dermatol** 1987 Mar;88(3):340–4
Langerhans cell- and T-lymphocyte functions in patients with atopic dermatitis with disseminated cutaneous herpes simplex virus infection. Räsänen L, et al. **J Invest Dermatol** 1987 Jul;89(1):15–8
Two phenotypically distinct T cells are involved in ultraviolet-irradiated urocanic acid-induced suppression of the efferent delayed-type hypersensitivity response to herpes simplex virus, type 1 in vivo. Ross JA, et al. **J Invest Dermatol** 1987 Sep;89(3):230–3
Regulation of human large granular lymphocyte and T cell growth and function by recombinant interleukin 2: induction of interleukin 2 receptor and promotion of growth of cells with enhanced cytotoxicity. Yamada S, et al. **J Leukocyte Biol** 1987 Jun;41(6):505–17
Phenotypic and functional analysis of T cells extracted from chronically inflamed human periodontal tissues. Cole KL, et al. **J Periodontol** 1987 Aug;58(8):569–73
T lymphocyte line-mediated experimental allergic encephalomyelitis--a pharmacologic model for testing of immunosuppressive agents for the treatment of autoimmune central nervous system disease. Westarp ME, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):614–20
Evidence mounts that other infections may trigger AIDS virus replication [news] Raymond CA. **JAMA** 1987 Jun 5;257(21):2875
Mechanism of decline of natural killer cell activity in Corynebacterium parvum-treated mice: inhibition by erythroblasts and Thy 1.2+ lymphocytes. Savary CA, et al. **JNCI** 1987 Sep;79(3):533–41
Immortalization of human T lymphocytes by HTLV-I: phenotypic characteristics of target cells and kinetics of virus integration and expression. Del Mistro A, et al. **Leuk Res** 1986;10(9):1109–20
Isoenzyme studies in human leukemia-lymphoma cell lines--V. Induction of differentiation by T-cell derived differentiation-inducing activity. Drexler HG, et al. **Leuk Res** 1987;11(1):85–96
Concomitant rearrangements of T-cell beta- and gamma-chain genes in childhood T-lineage leukemia/lymphoma. Ha-Kawa K, et al. **Leuk Res** 1987; 11(8):739–45
T-cell involvement in benign phase chronic myelogenous leukemia. Nogueira-Costa R, et al. **Leuk Res** 1986; 10(12):1433–9
Induction of human interferon-gamma mRNA analyzed by cytoplasmic dot hybridization: effect of Con A, TPA, and A23187. Nagashima H, et al. **Microbiol Immunol** 1986; 30(10):1003–10
Reconstitution of high affinity IL-2 receptor expression in a human T-cell line using a retroviral cDNA expression vector. Wano Y, et al. **Mol Biol Med** 1987 Apr;4(2):95–109
Stimulation of T cells through the CD3/T-cell receptor complex: role of cytoplasmic calcium, protein kinase C translocation, and phosphorylation of pp60c-src in the activation pathway. Ledbetter JA, et al. **Mol Cell Biol** 1987 Feb;7(2):650–6
A new member of the immunoglobulin superfamily--CTLA-4. Brunet JF, et al. **Nature** 1987 Jul 16–22;328(6127):267–70
Transcripts of functionally rearranged gamma genes in primary T cells of adult immunocompetent mice. Jones B, et al. **Nature** 1986 Oct 16–22;323(6089):635–8
Isolation of complementary DNA clones encoding the human lymphocyte glycoprotein T1/Leu-1. Jones NH, et al. **Nature** 1986 Sep 25–Oct 1;323(6086):346–9
Ion channels activated by inositol 1,4,5-trisphosphate in plasma membrane of human T-lymphocytes. Kuno M, et al. **Nature** 1987 Mar 19–25;326(6110):301–4
Specific antigen-Ia activation of transfected human T cells expressing murine Ti alpha beta-human T3 receptor complexes. Saito T, et al. **Nature** 1987 Jan 8–14; 325(7000):125–30
The effect of silyl substituted methotrexate in the treatment of experimental allergic encephalomyelitis in rats mediated by T-line cells. Przuntek H, et al. **Neuropharmacology** 1987 Feb–Mar;26(2–3):255–60
In vitro promotion of human megakaryocytopoiesis by intact T cells--human CFU-M growth promotion by T cells. Hamaguchi H, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Sep;49(6):1300–6
Effects of thymocytes on hemopoietic progenitor cells: studies employing anti Thy 1 and anti Lyt antibodies. Ohkubo T, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Sep; 49(6):1291–6
Regulation of immunoglobulin synthesis by lymphocytes in multiple myeloma and benign monoclonal gammopathy.

Takeshita A. **Nippon Ketsueki Gakkai Zasshi** 1986 Sep; 49(6):1195–205

Animal experiments on the role of T lymphocytes in the course of antineoplastic chemotherapy. II. Chemotherapy and T lymphocyte depression. Bier H.
ORL J Otorhinolaryngol Relat Spec 1987;49(2):57–66

The role of class I histocompatibility antigens in the regulation of T-cell activation. Dasgupta JD, et al.
Proc Natl Acad Sci USA 1987 Feb;84(4):1094–8

A single base mutation in an I–A alpha–chain gene alters T–cell recognition. Griffith IJ, et al.
Proc Natl Acad Sci USA 1987 Feb;84(4):1090–3

T–cell receptor alpha–chain gene is split in a human T–cell leukemia cell line with a t(11;14)(p15;q11). Le Beau MM, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9744–8

The role of the T–cell receptor in thymocyte maturation: effects in vivo of anti–receptor antibody. McDuffie M, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8728–32

Expression of the T–cell receptor gamma–chain gene products on the surface of peripheral T cells and T–cell blasts generated by allogeneic mixed lymphocyte reaction. Maeda K, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(18):6536–40

T cell mediated and humoral immunity in a mouse Chlamydia psittaci systemic infection. Buzoni–Gatel D, et al.
Res Vet Sci 1987 Jul;43(1):59–63

Functional T–cell assays: artefactual results following lymphocyte separation by differential centrifugation [letter]. Mason AB, et al. **Scand J Haematol** 1986 Nov; 37(5):454–5

A hypothesis for the selection of available repertoires: T–cell network early in the intrathymic differentiation. de la Hera A, et al. **Scand J Immunol** 1986 Dec;24(6):637–42 (59 ref.)

A study of cyclic nucleotides as second messengers after interleukin 2 stimulation of human T lymphocytes. Knudsen TE, et al. **Scand J Immunol** 1987 May; 25(5):527–31

Synchronized rearrangement of T–cell gamma and beta chain genes in fetal thymocyte development. Born W, et al.
Science 1986 Oct 24;234(4775):479–82

In vivo activation of CD4+ cells in AIDS. Fuchs D, et al. **Science** 1987 Jan 16;235(4786):356

Neuroleukin: a lymphokine product of lectin–stimulated T cells. Gurney ME, et al. **Science** 1986 Oct 31; 234(4776):574–81

Structurally divergent human T cell receptor gamma proteins encoded by distinct C gamma genes. Krangel MS, et al. **Science** 1987 Jul 3;237(4810):64–7

Concanavalin A–induced electrokinetic changes and redistribution of receptors in mouse thymocytes. Joshi NN, et al. **Thymus** 1987;9(2):65–75

The role of T cells in hemopoietic engraftment. O'Flaherty E, et al. **Transplant Proc** 1987 Apr;19(2):2858–9

Functional assessment of T cell depletion from bone marrow prior to therapeutic transplantation using limiting dilution culture methods. Rozans MK, et al. **Transplantation** 1986 Oct;42(4):380–7

The role of TDTH and Tc populations in organ graft rejection. I. Functional analysis of graft–infiltrating T cells. Stepkowski SM, et al. **Transplantation** 1986 Oct; 42(4):406–12

Patterns of bovine T cell–mediated immune responses to bovine herpesvirus 1. Miller–Edge M, et al.
Vet Immunol Immunopathol 1986 Dec;13(4):301–19

Structural alterations in the long terminal repeat of an acquired mouse mammary tumor virus provirus in a T–cell leukemia of DBA/2 mice. Lee WT, et al. **Virology** 1987 Jul;159(1):39–48

Biological activities of human granulocyte–macrophage colony–stimulating factor. Gasson JC, et al.
Year Immunol 1985;:118–21

The T–cell receptor for antigen. Haskins K.
Year Immunol 1985;:74–9

I–J: genetics and biochemistry. Hayes CE. **Year Immunol** 1985;:143–52 (36 ref.)

Immunological regulation of hematopoietic stem cell differentiation by interleukin–3. Ihle JN. **Year Immunol** 1985;:107–17 (39 ref.)

The T–cell receptor/T3 complex. Terhorst C, et al.
Year Immunol 1985;:62–73 (40 ref.)

[Dysmyelopoiesis and T lymphoma. 2 cases] Sainty D, et al. **Ann Med Interne (Paris)** 1987;138(2):101–4 (Eng. Abstr.) **(Fre)**

[Antitumor effect of biological factors and their response] Yamazaki M. **Nippon Rinsho** 1987 May;45(5):1144–55 **(Jpn)**

[Effect of activated T lymphocytes on the regulation of hematopoiesis] Harada M, et al. **Rinsho Ketsueki** 1986 Jul; 27(7):1212–20 (Eng. Abstr.) **(Jpn)**

[Possible role of the T–cells in regulating in situ hematopoiesis] Sanin AV, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):751–4 (Eng. Abstr.) **(Rus)**

[Role of the thymus gland in the regulation of the processes of proliferation and differentiation of various types of precursor cells of myelopoiesis in stress] Shakhov VP, et al. **Patol Fiziol Eksp Ter** 1986 Sep–Oct;(5):24–7 **(Rus)**

RADIATION EFFECTS

The evaluation of effect of radiotherapy on T and B lymphocytes with standard methods and monoclonal antibodies: results at 30 months. Monti G, et al.
Boll Ist Sieroter Milan 1986;65(5):394–9

Effects of radiation on host–tumor interactions using the multicellular tumor spheroid model. Wilson KM, et al.
Cancer Immunol Immunother 1986;23(1):20–4

Flow cytometry analysis of DNA degradation in thymocytes of gamma–irradiated or hydrocortisone treated rats. Pechatnikov VA, et al. **Gen Physiol Biophys** 1986 Jun; 5(3):273–84

A study of T lymphocyte population in cancer of the cervix. Effects of pelvic irradiation. Saxena VK, et al.
Indian J Cancer 1985 Sep;22(3):173–7

Abrogation of bone marrow allograft resistance in mice by increased total body irradiation correlates with eradication of host clonable T cells and alloreactive cytotoxic precursors. Schwartz E, et al. **J Immunol** 1987 Jan 15; 138(2):460–5

Unilateral T cell maturation arrest in the thymus of CBA/H mice as a long–term effect after neutron irradiation. Huiskamp R, et al. **Radiat Res** 1987 Apr;110(1):95–107

[Photomodification of human immunocompetent blood cells] Krylenkov VA, et al. **Biull Eksp Biol Med** 1987 May; 103(5):600–3 (Eng. Abstr.) **(Rus)**

[Cloning of murine B– and T–lymphocytes in vitro after the long–term action of tritium oxide] Kirillova EN.
Radiobiologiia 1986 Nov–Dec;26(6):783–7 (Eng. Abstr.) **(Rus)**

[Immunostimulating effect of microwaves after exposure of the thymus projection zone in the rabbit] Bogoliubov VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Jan–Feb; (1):12–4 **(Rus)**

[Bone marrow T– and B–lymphocytes following exposure to decimeter waves (experimental study)] Evstropov VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Nov–Dec; (6):24–6 (Eng. Abstr.) **(Rus)**

SECRETION

Identification of a major 50–kDa molecular weight human B–cell growth factor with Tac antigen–inducing activity on B cells. Kawano M, et al. **Cell Immunol** 1987 Aug; 108(1):132–49

The association of the rabies glycoprotein with liposome (immunosome) induces an in vitro specific release of interleukin 2. Oth D, et al. **Cell Immunol** 1987 Aug; 108(1):220–6

Purified human transferrin and "transferrin" released from sorted T8+ lymphocytes suppress release of granulocyte–macrophage colony–stimulating factors from sorted T4+ lymphocytes stimulated by phytohemagglutinin. Lu L, et al. **Exp Hematol** 1986 Nov; 14(10):955–62

A serine proteinase inhibitor produced by an HTLV I virus–transformed human T lymphocyte line. Ganea D, et al. **J Immunol** 1987 Feb 15;138(4):1208–14

JM, a Thy–ALL cell line produces both inhibitory and stimulatory lymphokines for bone marrow progenitor cells. Michalevicz R, et al. **Leuk Res** 1987;11(7):649–54

TRANSPLANTATION

Influence of MHC on thymus repopulation following intrathymic transfer of mouse T–cell precursors. Chervenak R, et al. **Cell Immunol** 1987 Apr 1;105(2):290–300

Contrasting feature in the repopulation of host–type T cells in the spleens of F1——P and P——F1 radiation bone marrow chimeras. Hirokawa K, et al. **Cell Immunol** 1986 Nov;103(1):174–82

Mutual tolerization of histoincompatible lymphocytes. Rammensee HG, et al. **Eur J Immunol** 1987 Jun;17(6):893–5

Regulation of autoimmunity and donor cell engraftment by recipient Lyt–2+ cells during the graft–versus–host reaction. Harper SE, et al. **J Exp Med** 1987 Sep 1; 166(3):657–67

The stable and permanent expansion of functional T lymphocytes in athymic nude rats after a single injection of mature T cells. Bell EB, et al. **J Immunol** 1987 Sep 1; 139(5):1379–84

Transfer of experimental autoimmune thyroiditis with T cell clones. Romball CG, et al. **J Immunol** 1987 Feb 15; 138(4):1092–8

Lichenoid tissue reaction (LTR) induced by local transfer of Ia–reactive T–cell clones. II. LTR by epidermal invasion of cytotoxic lymphokine–producing autoreactive T cells. Shiohara T, et al. **J Invest Dermatol** 1987 Jul;89(1):8–14

Adoptive immunotherapy against a local or widespread tumor of a highly malignant and poorly immunogenic mouse leukemia L1210. Naguma E, et al.
Nippon Ketsueki Gakkai Zasshi 1986 Sep;49(6):1212–21

ULTRASTRUCTURE

Immunoultrastructural studies of human NK cells: I. Ultracytochemistry and comparison with T cell subsets. Kang YH, et al. **Anat Rec** 1987 Mar;217(3):274–89

Erythroderma associated with mixed lymphocyte–endothelial cell interaction and Staphylococcus aureus infection. Heng MC, et al.
Br J Dermatol 1986 Dec;115(6):693–705

The morphological spectrum of T–prolymphocytic leukaemia. Matutes E, et al. **Br J Haematol** 1986 Sep; 64(1):111–24

Expression of muscarinic cholinergic receptors during T cell maturation in the thymus. Maśliński W, et al.
Eur J Immunol 1987 Jul;17(7):1059–63

Expression of Fc epsilon receptors on activated human T lymphocytes. Prinz JC, et al. **Eur J Immunol** 1987 Jun; 17(6):757–61

Internalization of human T lymphocyte receptors. Telerman A, et al. **Eur J Immunol** 1987 Jul;17(7):991–7

Morphometric ultrastructural evaluation of human peripheral blood T lymphocyte subpopulations isolated on the basis of their affinity for sheep red blood cells. Slubowski T, et al. **Folia Haematol (Leipz)** 1987;114(2):212–9

Immunoglobulin and T cell receptor gene rearrangements in acute leukemias. Raghavachar A, et al.
Hamatol Bluttransfus 1987;30:251–5

Functional domains of the T lymphocyte plasma membrane: characterization of the polypeptide composition. Szamel M, et al. **Immunobiology** 1987 Jan;174(1):76–92

Cyclosporine inhibits the expression of receptors for interleukin 2 and transferrin on mitogen–activated human T lymphocytes. Prince HE, et al. **Immunol Invest** 1986 Aug; 15(5):463–72

Aging and lymphocyte cytoskeleton: age–related decline in the state of actin polymerization in T lymphocytes from Fischer F344 rats. Cheung HT, et al. **J Immunol** 1987 Jan 1;138(1):32–6

Modulation of interferon–alpha and interferon–gamma receptor expression during T–lymphocyte activation and proliferation. Faltynek CR, et al. **J Interferon Res** 1986 Dec;6(6):639–53

Ultrastructural morphology of granular lymphocytes (GL) from patients with immunophenotypically homogeneous expansions of GL populations (GLE). Prasthofer EF, et al. **J Submicrosc Cytol** 1987 Apr;19(2):345–54

Major histocompatibility complex class I molecules internalized via coated pits in T lymphocytes. Machy P, et al. **Nature** 1987 Aug 20–26;328(6132):724–6

Evidence for a physical association of CD4 and the CD3:alpha:beta T–cell receptor. Saizawa K, et al.
Nature 1987 Jul 16–22;328(6127):260–3

T–cell lymphoma with large multilobated nuclei. Pinel–Briquel N, et al. **Ultrastruct Pathol** 1986;10(5):437–44

Organization and expression of murine T cell receptor genes. Hashimoto Y. **Year Immunol** 1986;2:237–44 (28 ref.)

The T cell receptor/T3 complex. Terhorst C, et al.
Year Immunol 1986;2:245–53 (21 ref.)

[Ultrastructural changes in the uterine epithelium and in the immunocompetent cells of the lymph nodes draining the uterus during pregnancy in swine] Georgieva R, et al.
Vet Med Nauki 1986;23(10):54–64 (Eng. Abstr.) **(Bul)**

[Rearrangement of the receptor genes of T cells for an antigen] Chen Z, et al. **Nouv Rev Fr Hematol** 1987; 29(1):43–8 (Eng. Abstr.) **(Fre)**

[Immunohistochemical characterization of lymphocytes in the cornea] Scheiffarth OF, et al. **Fortschr Ophthalmol** 1986;83(6):714–5 (Eng. Abstr.) **(Ger)**

[Cytogenetic studies of X–chromosome replication patterns in cell hybrids between murine embryonal carcinoma cells and female rat thymocytes] Okuyama K.
Hokkaido Igaku Zasshi 1986 Sep;61(5):662–71 (Eng. Abstr.) **(Jpn)**

T LYMPHOCYTES, CYTOTOXIC

see related

CYTOTOXICITY, IMMUNOLOGIC

Subpopulations of T lymphocytes in Kenyan patients with visceral leishmaniasis. Koech DK.
Am J Trop Med Hyg 1987 May;36(3):497–500

Common variable hypogammaglobulinemia complicated by an unusual T–suppressor/cytotoxic cell lymphoma. Durham JC, et al. **Cancer** 1987 Jan 15;59(2):271–6

Efforts to produce human cytotoxic T–cell hybridomas by electrofusion and PEG fusion. Gravekamp C, et al.
Hybridoma 1987 Apr;6(2):121–33

Fine analysis of cytolytic and natural killer T lymphocytes in the CSF in multiple sclerosis and other neurologic diseases. Weber WE, et al. **Neurology** 1987 Mar; 37(3):419–25

[Detection of hybrid DQ molecules by the use of T cell clone and 2D–gel analyses] Hawkin S. **Hokkaido Igaku Zasshi** 1986 Nov;61(6):892–901 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Differential expression of asialo GM1 on alloreactive cytotoxic T lymphocytes and lymphokine–activated killer cells. Ting CC, et al. **Cell Immunol** 1987 Jan;104(1):115–25

Generation of cytotoxic T lymphocyte responses to allo–H–2 antigens in allogeneic bone marrow chimeras histocompatible at the H–2 subregions. Ogasawara M, et al. **Immunobiology** 1986 Aug;172(1–2):128–42

Structure of a cytotoxic T–lymphocyte–specific gene shows a strong homology to fibrinogen beta and gamma chains. Koyama T, et al. **Proc Natl Acad Sci USA** 1987 Mar; 84(6):1609–13

A phosphorylated, disulfide–linked membrane protein in murine cytotoxic T lymphocytes. Lieberman J, et al.
Proc Natl Acad Sci USA 1986 Oct;83(20):7870–4

CLASSIFICATION

Phenotypic identification of memory cytolytic T lymphocytes in a subset of Lyt–2+ cells. Budd RC, et al. **J Immunol** 1987 Feb 15;138(4):1009–13

Natural killer cells: definition of a cell type rather than a function [published errata appear in J Immunol 1987 Feb

1;138(3):996 and 1987 Apr 15;138(8):2745] Lanier LL, et al. **J Immunol** 1986 Nov 1;137(9):2735–9
Lysis of tumor cells by CD3+4–8–16+ T cell receptor alpha beta– clones, regulated via CD3 and CD16 activation sites, recombinant interleukin 2, and interferon beta 1. van de Griend RJ, et al. **J Immunol** 1987 Mar 1;138(5):1627–33

CYTOLOGY

Frequency of murine cytotoxic T cell precursors reactive to plasma cell tumour–associated antigens as compared to major histocompatibility antigens. Burton RC. **Aust J Exp Biol Med Sci** 1986 Aug;64 (Pt 4):323–34
Maturation of cytolytic T lymphocytes. Moscovitch M, et al. **Cell Immunol** 1986 Oct 1;102(1):52–67
Phenotypic distribution of T cells of patients who have subsequently developed AIDS. Nicholson JK, et al. **Clin Immunol Immunopathol** 1987 Apr;43(1):82–7
Large increase of cytotoxic/suppressor T–lymphoblasts and eosinophils around manifestation of diabetes in BB rats. Kürner T, et al. **Diabetes Res** 1986 Sep;3(7):349–53
A spleen–derived maturational factor allows immature thymocytes, prepared as cells bearing low amounts of surface sialic acid, to become cytotoxic T cells. Campbell PA, et al. **J Immunol** 1987 Sep 1;139(5):1385–92
Role of c–myc and other genes in interleukin 2 regulated CT6 T lymphocytes and their malignant variants. Cleveland JL, et al. **J Immunol** 1987 May 15; 138(10):3495–504
Analysis of lymphocyte–target conjugates by flow cytometry. I. Discrimination between killer and non–killer lymphocytes bound to targets and sorting of conjugates containing one or multiple lymphocytes. Lebow LT, et al. **Nat Immun Cell Growth Regul** 1986;5(5):221–37
Characterization of murine cytolytic–helper hybrid T cell clones. Havran WL, et al. **Nature** 1987 Jan 1–7; 325(6099):65–7
Determination of junction avidity of cytolytic T cell and target cell. Sung KL, et al. **Science** 1986 Dec 12; 234(4782):1405–8

DRUG EFFECTS

Inhibition of T cell cytotoxicity by cyclosporine (CSA), adenosine (Ado) and an inhibitor of adenosine deaminase (ADA). Lum CT, et al. **Adv Exp Med Biol** 1986;195 Pt B:235–8
Augmentation of spontaneous cytotoxicity of human lymphocytes by RU 41.740 is due to monocyte–derived factors distinct from interleukin 2, interferon alpha and gamma. Viland H, et al. **Anticancer Res** 1987 Jan–Feb; 7(1):23–8
Augmentation of spontaneous cytotoxicity of human lymphocytes by RU 41.740, a glucoprotein extract of Klebsiella pneumoniae. Viland H, et al. **Anticancer Res** 1987 Jan–Feb;7(1):17–22
Natural killer cells and cytotoxic T lymphocytes activities can be differentiated by their different sensitivities to pituitary hormones in vitro (LH, FSH, ACTH, GH). Deschaux P, et al. **Boll Soc Ital Biol Sper** 1986 Jun 30; 62(6):763–70
Different characteristics of allogeneic and trinitrophenyl–modified H–2–restricted cell–mediated lympholysis: analysis of differences in interleukin–2 dependency using an ontogenical approach. Gondo H, et al. **Cell Immunol** 1986 Jul;100(2):422–33
Suppression of cytotoxic T–lymphocyte activation by pyruvate and L–alanine. Mihm S, et al. **Cell Immunol** 1986 May;99(2):313–21
Phorbol–induced recruitment of lymphocytes for spontaneous cytolysis of natural killer–insensitive tumor targets. Nabi ZF, et al. **Cell Immunol** 1986 Jul; 100(2):485–500
Glutathione augments the activation of cytotoxic T lymphocytes in vivo. Dröge W, et al. **Immunobiology** 1986 Aug;172(1–2):151–6
Exogenous IL2 partially reverts CML non–reactivity acquired during prophylactic immunosuppression with cyclosporin A of human allograft recipients. Inschick E, et al. **Immunobiology** 1986 Aug;172(1–2):21–32
Secretion of a suppressor cell–inducing factor by an interleukin 3–dependent cell line with natural cytotoxic activity. II. Range, potency, and kinetics of suppressive activity. Pope BL. **Immunobiology** 1987 Jan;174(1):107–18
Modification of suppressor/cytotoxic and helper subsets in lentil lectin–pretreated mice. Kinsky RG, et al. **Immunol Lett** 1986 Aug;13(1–2):51–3
Different inducing activities for cytotoxic T cells by heterogeneous thymocyte–activating factors from SV40–transformed human embryo fibroblasts. Okai Y, et al. **Immunol Lett** 1986 Nov 17;14(1):1–7
Suppressive effects of B–lactam–antibiotics on in vitro generation of cytotoxic T–cells. Huegin AW, et al. **Int J Immunopharmacol** 1986;8(7):723–9
Inhibition of the induction of alloreactivity with mitoxantrone. Wang BS, et al. **Int J Immunopharmacol** 1986;8(8):967–73
Lung transplantation: effect of cyclosporine A on the frequency of cytolytic lymphocytes recovered from blood and the bronchoalveolar space. Kirby JA, et al. **J Heart Transplant** 1986 Jan–Feb;5(1):33–8
Lymphokine–activated killer (LAK) cells. I. Differential recovery of LAK, natural killer cells, and cytotoxic T lymphocytes after a sublethal dose of cyclophosphamide. Ballas ZK. **J Immunol** 1986 Oct 1;137(7):2380–4
Inhibition of cytolytic T lymphocyte maturation with ornithine, arginine, and putrescine. Susskind BM, et al. **J Immunol** 1987 Aug 1;139(3):905–12
Effects of serum immunosuppressive factors on antitumor cytotoxicity of interleukin 2–induced lymphocytes. Sugiyama Y, et al. **J Surg Oncol** 1987 Aug;35(4):223–9
Interferon and butyrate treatment leads to a decreased sensitivity of NK target cells to lysis by homologous but not by heterologous effector cells. Laskay T, et al. **Nat Immun Cell Growth Regul** 1986;5(4):211–20
Regulation of cytolytic T–lymphocyte generation by B–cell stimulatory factor. Widmer MB, et al. **Nature** 1987 Apr 23–29;326(6115):795–8
Immunological studies on herpetic keratitis: effect of IL–2 on HSV–specific CTL. Hirakawa Y, et al. **Ophthalmologica** 1987;194(1):50–5
The modulation of generation/function of human cytotoxic lymphocytes by autacoids: unusually compartmentalized cAMP? Khan MM, et al. **Proc West Pharmacol Soc** 1986; 29:31–4
Cytotoxic T lymphocytes: blocked differentiation at the 'poised' stage. Gromo G, et al. **Scand J Immunol** 1987 Apr; 25(4):383–91
[Immunopharmacological studies on herpetic keratitis. The effect of corticosteroids on cytotoxic T lymphocytes induced in mouse splenocytes] Suehiro T. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1714–22 (Eng. Abstr.) **(Jpn)**
[Effect of the synthetic preparation B 58 on the activity of natural killer and cytostatic cells of the mouse spleen] Malaltsev VV, et al. **Biull Eksp Biol Med** 1987 Jun; 103(6):697–9 (Eng. Abstr.) **(Rus)**
[Effect of anticonvulsant agents, inducers of microsomal oxidation, on the B–link of immunity and on the natural cytotoxicity of lymphoid organ cells in rats] Saratikov AS, et al. **Farmakol Toksikol** 1987 Jan–Feb;50(1):52–7 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

The role of protein kinase C in the cytotoxic T–cell lytic response. Russell JH, et al. **Ann Inst Pasteur Immunol** 1987 Mar–Apr;138(2):320–4
Evidence for the involvement of a T–cell–associated serine protease (TSP–1) in cell killing. Simon MM, et al. **Ann Inst Pasteur Immunol** 1987 Mar–Apr;138(2):309–14
Up and down regulation of serine esterase release from mouse cytotoxic T lymphocytes by tumor–promoting phorbol ester. Nishimura T, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1262–9
Molecular cloning of human cathepsin G: structural similarity to mast cell and cytotoxic T lymphocyte proteinases. Salvesen G, et al. **Biochemistry** 1987 Apr 21;26(8):2289–93
A family of serine esterases in lytic granules of cytolytic T lymphocytes. Masson D, et al. **Cell** 1987 Jun 5;49(5):679–85
Isolation and characterization of a serine esterase from cytolytic T cell granules. Young JD, et al. **Cell** 1986 Oct 24;47(2):183–94
Purification and characterization of a T cell specific serine proteinase (TSP–1) from cloned cytolytic T lymphocytes. Simon MM, et al. **EMBO J** 1986 Dec 1;5(12):3267–74
Azacytidine–induced reactivation of adenosine deaminase in a murine cytotoxic T cell line. Castellazzi M, et al. **Eur J Immunol** 1986 Sep;16(9):1081–6
The T cell–specific serine proteinase TSP–1 is associated with cytoplasmic granules of cytolytic T lymphocytes. Fruth U, et al. **Eur J Immunol** 1987 May;17(5):613–21
Identification of granzyme A isolated from cytotoxic T–lymphocyte–granules as one of the proteases encoded by CTL–specific genes. Masson D, et al. **FEBS Lett** 1986 Nov 10;208(1):84–8
Stimulus–dependent triggering or inhibition of cytotoxicity in human cytotoxic T lymphocytes by activators of protein kinase C. Schrezenmeier H, et al. **Immunology** 1986 Nov; 59(3):359–63
Cloned cytolytic T–effector cell and their malignant variants produce an extracellular matrix degrading trypsin–like serine proteinase. Simon MM, et al. **Immunology** 1987 Feb; 60(2):219–30
CTLA–1 and CTLA–3 serine esterase transcripts are detected mostly in cytotoxic T cells, but not only and not always. Brunet JF, et al. **J Immunol** 1987 Jun 15; 138(12):4102–5
Antigen receptor–triggered secretion of a trypsin–type esterase from cytotoxic T lymphocytes. Takayama H, et al. **J Immunol** 1987 Jan 15;138(2):566–9

IMMUNOLOGY

The human cellular immune response to insulin: a study in unexposed control subjects and type I diabetic patients on acute and chronic treatment. Richens ER, et al. **Acta Diabetol Lat** 1986 Oct–Dec;23(4):309–22
MHC–specific cytotoxic T lymphocyte killing of dissociated sympathetic neuronal cultures. Manning PT, et al. **Am J Pathol** 1987 Sep;128(3):395–409
Physiological changes induced in cardiac myocytes by cytotoxic T lymphocytes. Hassin D, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):C10–6
Trophoblast does not cause the cytotoxic T lymphocyte generation due to the lack of ability to stimulate interleukin–2 production. Blank M, et al. **Am J Reprod Immunol Microbiol** 1987 Jun;14(2):49–53
In vitro inhibitory effect of human syncytiotrophoblast plasma membranes on the cytolytic activities of CTL and NK cells. Degenne D, et al. **Am J Reprod Immunol Microbiol** 1986 Dec;12(4):106–10
In vitro induction of cytotoxic lymphocytes from infectious bovine rhinotracheitis virus hyperimmune cattle. Campos M, et al. **Am J Vet Res** 1986 Nov;47(11):2411–4
Characterization and in vivo distribution of influenza–virus–specific T–lymphocytes in the murine respiratory tract. McDermott MR, et al. **Am Rev Respir Dis** 1987 Jan;135(1):245–9
A study of BoLA class II antigens with BoT4+ T lymphocyte clones. Teale AJ, et al. **Anim Genet** 1987; 18(1):17–28
Cytotoxic lymphocytes. Sinkovics JG. **Ann Clin Lab Sci** 1986 Nov–Dec;16(6):488–96
Phosphorylation of T–cell antigen receptor–associated proteins: correlation with activation for killing and/or for gamma–interferon production by a cytolytic T–cell clone. Boyer C, et al. **Ann Inst Pasteur Immunol** 1987 Jan–Feb; 138(1):65–82
Recognition of hybrid HLA molecules expressed on murine P815 cells using human alloreactive cytotoxic T lymphocytes. Healy F, et al. **Ann Inst Pasteur Immunol** 1987 Jan–Feb;138(1):45–52
P815 mastocytoma cells, classical targets for cytotoxic T lymphocytes, exert natural cytotoxicity. Luciani MF, et al. **Ann Inst Pasteur Immunol** 1987 Jan–Feb;138(1):37–43
Molecular analysis of the cytolytic T–lymphocyte response elicited by retrovirus–induced tumours in mice. Plata F, et al. **Ann Inst Pasteur Immunol** 1986 Nov–Dec; 137D(3):409–12
The abnormal cytotoxic T cell response to Epstein–Barr virus in rheumatoid arthritis is correlated with disease activity and occurs in other arthropathies. Gaston JS, et al. **Ann Rheum Dis** 1986 Nov;45(11):932–6
T cytotoxic and helper cells are markedly increased, and T suppressor and inducer cells are markedly decreased, in rheumatoid synovial fluids. Goto M, et al. **Arthritis Rheum** 1987 Jul;30(7):737–43
The immunomodulatory and antitumor activities of trichosanthin–an abortifacient protein isolated from tian–hua–fen (Trichosanthes kirilowii). Leung KN, et al. **Asian Pac J Allergy Immunol** 1986 Dec;4(2):111–20
Temporary inhibition of Moloney–murine sarcoma virus (M–MSV) induced–tumours by adoptive transfer of ricin–treated T–lymphocytes. Cerundolo V, et al. **Br J Cancer** 1987 Apr;55(4):413–9
Phenotypic evolution of CTL B–lines in vitro. Février M, et al. **Br J Exp Pathol** 1987 Apr;68(2):145–56
Depletion of suppressor–cytotoxic T–lymphocytes by administration of a murine monoclonal antibody. Berd D, et al. **Cancer Res** 1987 May 15;47(10):2727–32
Effect of polyamine depletion in vivo by DL–alpha–difluoromethylornithine on functionally distinct populations of tumoricidal effector cells in normal and tumor–bearing mice. Bowlin TL, et al. **Cancer Res** 1986 Nov;46(11):5494–8
Mechanisms of in vivo generation of cytotoxic effector cells against tumor in tumor–bearing mice. Fuyama S, et al. **Cancer Res** 1986 Nov;46(11):5548–52
In vivo generation of tumor–specific cytotoxic T–cells in the regional lymph node: effect of subcutaneous inoculation of mls–disparate spleen cells around implanted tumors in mice. Higasa M, et al. **Cancer Res** 1986 Oct;46(10):4991–4
Enrichment of antitumor effector cells that are effective in vivo from spleen cells of tumor–bearing mice through the use of Dolichos biflorus lectin. Okada T, et al. **Cancer Res** 1986 Nov;46(11):5611–7
Involvement of cytotoxic T–lymphocytes in the antitumor activity of spergualin against L1210 cells. Umezawa H, et al. **Cancer Res** 1987 Jun 15;47(12):3062–5
Cytotoxic T–lymphocyte recognition of simian virus 40 antigens. Tevethia SS, et al. **Cancer Surv** 1985;4(1):101–14
Reconstitution of MHC class I specificity by transfer of the T cell receptor and Lyt–2 genes. Gabert J, et al. **Cell** 1987 Aug 14;50(4):545–54
Retrovirus antigens recognized by cytolytic T lymphocytes activate tumor rejection in vivo. Plata F, et al. **Cell** 1987 Jan 30;48(2):231–40
Significant frequency of cytotoxic T lymphocyte precursor cells specific for TNP–modified allogeneic cells in normal lymphocytes. Aizawa S. **Cell Immunol** 1986 Nov; 103(1):27–40
Increased ornithine decarboxylase activity and polyamine biosynthesis are required for optimal cytolytic T lymphocyte induction. Bowlin TL, et al. **Cell Immunol** 1987 Mar;105(1):110–7
Individual differences in the cytotoxic T–lymphocyte response in man to public HLA determinants. Breur–Vriesendorp BS, et al. **Cell Immunol** 1986 Dec; 103(2):252–71
Characterization of the cellular basis for the inhibition of cytolytic effector cells by murine placenta. Clark DA, et al. **Cell Immunol** 1986 Oct 1;102(1):43–51
In vitro primary allo–CTL generation by enucleated antigen–presenting cells. Cognot C, et al. **Cell Immunol** 1986 Sep;101(2):328–38
Mouse embryonic cells become susceptible to CTL lysis after midgestation. Croy BA, et al. **Cell Immunol** 1987 Feb;

104(2):355–65
Anti-asialo GM1 eliminates both inflammatory process and cytotoxic T-cell function in the lymphocytic choriomeningitis adoptive transfer model. Doherty PC, et al. **Cell Immunol** 1987 Jun;107(1):1–7
Natural cytotoxic T cells (NCTC) that differ from natural killer (NK) and natural cytotoxic (NC) cells are present in Peyer's patches of mice. Gautam SC, et al. **Cell Immunol** 1986 Sep;101(2):463–75
Role of natural killer (NK) cells in the production of the murine T lymphocyte allorecognition repertoire. Gorczynski RM, et al. **Cell Immunol** 1987 Apr 15; 106(1):88–99
Immunochemically purified DR antigens in liposomes stimulate xenogeneic cytolytic T cells in secondary in vitro cultures. Gorga JC, et al. **Cell Immunol** 1986 Nov; 103(1):160–73
The mechanism of antigen presentation by dendritic cells and splenic adherent cells in the induction of an allogeneic cytotoxic T-lymphocyte response to H-2Kk liposomes. Greenstein JL, et al. **Cell Immunol** 1986 Jul;100(2):389–99
Recognition of Rous sarcoma virus-induced tumor antigens by cytotoxic T lymphocytes (CTL): studies on specificity of killing by CTL employing H-2 congenic and recombinant mouse tumor cells. Haraguchi S, et al. **Cell Immunol** 1987 Apr 1;105(2):340–54
Lack of reconstitution of nude mice alloreactivity by purified interleukin 2 and induction of non-H-2-specific effector cells by crude supernatants. Harel-Bellan A, et al. **Cell Immunol** 1987 Apr 1;105(2):251–61
Selective induction of OX19+ (CD5+) or OX19- (CD5-) alloreactive cytolytic lymphocytes in the rat. Hedlund G, et al. **Cell Immunol** 1987 Apr 1;105(2):366–73
Spontaneous human T-cell cytotoxicity against murine hybridomas expressing the OKT3 monoclonal antibody: comparison with natural killer cell activity. Itoh K, et al. **Cell Immunol** 1987 Sep;108(2):313–22
Selective activation of helper and cytolytic T-cell functions of L3T4+ clones with either antireceptor antibody or phorbol ester and ionophore. Ju ST, et al. **Cell Immunol** 1987 May;106(2):260–72
Relationship between surface H-2 concentration, size of different target cells, and lysis by cytotoxic T cells. King NJ, et al. **Cell Immunol** 1986 Apr 1;98(2):525–32
Regulation of the growth of Epstein-Barr virus-infected B cells: temporal profile of the in vitro development of three distinct cytotoxic cells. Konttinen YT, et al. **Cell Immunol** 1986 Nov;103(1):84–95
A novel cytotoxic T-cell clone that exhibits differential modes of recognition in the proliferative and cytolytic phase. Kubota K. **Cell Immunol** 1986 Dec;103(2):287–98
Physical and functional association of the T cell receptor and the T3 molecular complex on cytotoxic T cell clones that are differentially inhibitable by anti-T3 antibodies. Leontsini E, et al. **Cell Immunol** 1986 Oct 1;102(1):21–32
Suppression of cytolytic T-cell activity by staphylococcal enterotoxin B-induced suppressor cells: role of interleukin 2. Lin YS, et al. **Cell Immunol** 1986 Nov;103(1):147–59
Viral-restricted cytolytic T lymphocyte recognition of hybrid human-murine class I histocompatibility antigens. Maziarz RT, et al. **Cell Immunol** 1986 Apr 15;99(1):279–86
Expansion of tumor-specific cytolytic T lymphocytes using in vitro restimulation with tumor-specific transplantation antigen. Naito K, et al. **Cell Immunol** 1987 Sep; 108(2):483–94
Allogeneic responses of human fetal (22- to 25-week) peripheral blood lymphocytes: preferential recruitment of cytotoxic effector cells with both CTL activity and NK-like function. Nowill A, et al. **Cell Immunol** 1986 Oct 15;102(2):355–63
Cloned protein antigen-specific, Ia-restricted T cells with both helper and cytolytic activities: mechanisms of activation and killing. Ozaki S, et al. **Cell Immunol** 1987 Apr 1;105(2):301–16
Clonal analysis of human tumor infiltrating lymphocytes reactive with autologous tumor cells: different target cell specificities of NK-like and cytotoxic T-cell clones. Rabinowich H, et al. **Cell Immunol** 1987 Feb;104(2):210–7
Specificity repertoire of splenic Lyt-2+/F23+ cytotoxic lymphocyte precursors from B6 mice. Reimann J, et al. **Cell Immunol** 1987 Apr 15;106(1):100–13
Expression of antigen interaction structures on resting and activated cytotoxic lymphocytes. Russell JH, et al. **Cell Immunol** 1986 Dec;103(2):375–80
Class II antigen-specific murine cytolytic T lymphocytes (CTL). I. Analysis of bulk populations and establishment of Lyt-2+L3T4- and Lyt-2-L3T4+ bulk CTL lines. Shinohara N. **Cell Immunol** 1987 Jul;107(2):395–407
Regulatory mechanisms in cytotoxic T lymphocyte development. II. Dissociation of in vitro cytotoxic T-lymphocyte and suppressor T-cell activities with L-ornithine. Susskind BM, et al. **Cell Immunol** 1986 Sep; 101(2):512–23
Regulatory mechanisms in cytotoxic T lymphocyte development. III. Induction, specificity, and genetic restriction of an in vitro suppressor T cell. Susskind BM. **Cell Immunol** 1986 Sep;101(2):524–33
Activation of autoreactive cytolytic T lymphocyte clone against human melanoma by anti-T3 monoclonal antibody and autologous accessory cells. Tatake RJ, et al. **Cell Immunol** 1987 Aug;108(1):42–52
Antigen-specific suppression of the in vitro cytotoxic response by a soluble factor produced by Corynebacterium parvum-induced allospecific suppressor cells. Terpenning M, et al. **Cell Immunol** 1987 Feb;104(2):271–80
Regulation of the cytotoxic activity of alloreactive cytotoxic T lymphocytes by helper cells and lymphokines. Ting CC, et al. **Cell Immunol** 1986 Sep;101(2):299–311
Differential recognition of tumor-derived and in vitro Epstein-Barr virus-transformed B-cell lines by fetal calf serum-specific T4-positive cytotoxic T-lymphocyte clones. Torsteinsdottir S, et al. **Cell Immunol** 1986 Apr 1; 98(2):453–66
Analysis of protective and cytotoxic immune responses in vivo against metabolically inactivated and untreated cells of a mutagenized tumor line (requirements for tumor immunogenicity). Wehrmaker A, et al. **Cell Immunol** 1986 Sep;101(2):290–8
Cloned human cytotoxic T lymphocytes develop anomalous killer cell function. Burns GF, et al. **Clin Exp Immunol** 1986 Dec;66(3):558–65
In vivo activated cytotoxic T cells in the thyroid infiltrate of patien's with Hashimoto's thyroiditis. Del Prete GF, et al. **Clin Exp Immunol** 1986 Jul;65(1):140–7
Human muscle-derived, tissue specific, myocytotoxic T cell lines in dermatomyositis. Rosenschein U, et al. **Clin Exp Immunol** 1987 Feb;67(2):309–18
Takayasu's arteritis: a pathogenetic role for cytotoxic T lymphocytes? Scott DG, et al. **Clin Rheumatol** 1986 Dec; 5(4):517–22
Cell-mediated versus humoral immunity in autoimmune diseases and their pharmacologic control with particular reference to type I diabetes mellitus. Boitard C, et al. **Concepts Immunopathol** 1986;3:193–224 (198 ref.)
Role of cytokines in T and B cell mediated immunity. Gately MK, et al. **Concepts Immunopathol** 1986;3:74–108 (136 ref.)
Regulation and role of large granular lymphocytes in arenavirus infections. Welsh RM. **Curr Top Microbiol Immunol** 1987;134:185–209
T cell receptor genes in an alloreactive CTL clone: implications for rearrangement and germline diversity of variable gene segments. Chou HS, et al. **EMBO J** 1986 Sep;5(9):2149–55
Cytotoxic T lymphocyte recognition of a xenogeneic major histocompatibility complex antigen expressed in transgenic mice. Bluestone JA, et al. **Eur J Immunol** 1987 Jul; 17(7):1035–41
Functional activity in vivo of effector T cell populations. III. Protection against Moloney murine sarcoma virus (M-MSV)-induced tumors in T cell deficient mice by the adoptive transfer of a M-MSV-specific cytolytic T lymphocyte clone. Cerundolo V, et al. **Eur J Immunol** 1987 Feb;17(2):173–8
Temporal regulation of influenza hemagglutinin expression in vaccinia virus recombinants and effects on the immune response. Coupar BE, et al. **Eur J Immunol** 1986 Dec; 16(12):1479–87
Identification of interleukin 2-producing T helper cells within murine Lyt-2+ T lymphocytes: frequency, specificity and clonal segregation from Lyt-2+ precursors of cytotoxic T lymphocytes. Heeg K, et al. **Eur J Immunol** 1987 Feb;17(2):229–36
Cytolytic T cell clones derived from liver tissue of patients with chronic hepatitis B. Hoffmann RM, et al. **Eur J Immunol** 1986 Dec;16(12):1635–8
A programmed functional and phenotypic development of bone marrow-derived cytotoxic cell precursors in vitro. Hurwitz JL. **Eur J Immunol** 1987 Jun;17(6):751–6
Interaction of periodate-oxidized target cells and cytolytic T lymphocytes: a model system of "polyclonal MHC recognition". Keren Z, et al. **Eur J Immunol** 1986 Sep; 16(9):1049–56
Lysis of nonnucleated red blood cells by cytotoxic T lymphocytes. Lanzavecchia A, et al. **Eur J Immunol** 1987 Jul;17(7):1073–4
The use of hybrid hybridomas to target human cytotoxic T lymphocytes. Lanzavecchia A, et al. **Eur J Immunol** 1987 Jan;17(1):105–11
Mouse fibroblasts that express a cloned gene for the human transferrin receptor induce a specific cytolytic T cell response. Maryanski JL, et al. **Eur J Immunol** 1987 Mar; 17(3):441–3
The immune response of the mouse to lymphocytic choriomeningitis virus. V. High numbers of cytolytic T lymphocytes are generated in the spleen during acute infection. Moskophidis D, et al. **Eur J Immunol** 1987 Jul; 17(7):937–42
Characterization of virus-specific cytotoxic T cell clones from allogeneic bone marrow chimeras. Pircher H, et al. **Eur J Immunol** 1987 Feb;17(2):159–66
Targeting cytotoxic T cells to antigen-specific B lymphocytes. Rammensee HG, et al. **Eur J Immunol** 1987 Mar;17(3):433–6
Use of V beta.8 genes in splenic Lyt-2+ cytotoxic lymphocyte precursors reactive to bm1 or bm14 alloantigen in individual C57BL/6 mice. Reimann J, et al. **Eur J Immunol** 1986 Dec;16(12):1597–602
Plasmodium falciparum-specific human T cell clones: evidence for helper and cytotoxic activities. Sinigaglia F, et al. **Eur J Immunol** 1987 Feb;17(2):187–92
Hybrid antibody-mediated lysis of virus-infected cells. Staerz UD, et al. **Eur J Immunol** 1987 Apr;17(4):571–4
Evidence for a regulatory role of the T8 (CD8) antigen in antigen-specific and anti-T3-(CD3)-induced lytic activity of allospecific cytotoxic T lymphocyte clones. Van Seventer GA, et al. **Eur J Immunol** 1986 Nov; 16(11):1363–71
Cytotoxic T lymphocyte clone recognizing self idiotype: its regulatory role in antibody production. Yamamoto H, et al. **Eur J Immunol** 1987 May;17(5):719–22
Recognition and lysis of target cells by cytotoxic T lymphocytes. Kranz DM, et al. **Fed Proc** 1987 Feb; 46(2):309–12
Antigenic, functional, and molecular genetic studies of human natural killer cells and cytotoxic T lymphocytes not restricted by the major histocompatibility complex. Lanier LL, et al. **Fed Proc** 1986 Nov;45(12):2823–8 (44 ref.)
Human mumps virus-specific cytotoxic T lymphocytes: quantitative analysis of HLA restriction. Enssle KH, et al. **Hum Immunol** 1987 Feb;18(2):135–49
Mapping functional epitopes of the human LFA-1 glycoprotein: monoclonal antibody inhibition of NK and CTL effectors. Mentzer SJ, et al. **Hum Immunol** 1986 Nov; 17(3):288–96
Autocytotoxic and autosuppressor T-cell lines generated from autologous lymphocyte cultures. Rosenkrantz K, et al. **Hum Immunol** 1987 Jul;19(3):189–203
Fine specificity of human HLA-B7-specific cytotoxic T-lymphocyte clones. I. Identification of HLA-B7 subtypes and histotopes of the HLA-B7 cross-reacting group. van Seventer GA, et al. **Hum Immunol** 1986 Aug; 16(4):375–89
The detection of human minor alloantigens following restriction determinant implantation. Zier KS, et al. **Hum Immunol** 1987 May;19(1):17–27
A human cytotoxic lymphocyte subdividing the DQ1 antigen. Fraser JD, et al. **Immunogenetics** 1987;25(5):347–50
Molecular characterization of a subtype of DQw1 recognized by hapten-specific T cells. Hanke JH, et al. **Immunogenetics** 1986;24(4):209–16
New HLA-A2 variants defined by monoclonal antibodies and cytotoxic T lymphocytes. Kennedy LJ, et al. **Immunogenetics** 1987;26(3):155–60
DNA sequences of the genes that encode the CTL-defined HLA-A2 variants M7 and DK1. Mattson DH, et al. **Immunogenetics** 1987;26(3):190–2
Immunogenic (tum-) variants obtained by mutagenesis of mouse mastocytoma P815. VIII. Detection of stable transfectants expressing a tum- antigen with a cytolytic T cell stimulation assay. Wölfel T, et al. **Immunogenetics** 1987;26(3):178–87
Clonal activation of cytotoxic lymphocyte precursors by monoclonal anti-CD3 antibody: analysis of feeder cell requirements. Brucker C, et al. **Immunol Lett** 1987 Jan; 14(2):121–5
Alloinduced suppression and cytotoxicity: two functions of a single cell. Leroux-Roels G, et al. **Immunol Lett** 1987 May;15(1):59–65
Natural cytotoxic (NC) activity: a multi-lineage system regulated by IL-2. Lattime EC, et al. **Immunol Res** 1986; 5(1):5–15
Heterogeneous cytotoxic cells that kill NC-sensitive WEHI-164 tumor cells are activated in allogeneic mixed lymphocyte reactions. Macphail S, et al. **Immunol Res** 1986; 5(1):40–9
Distinguishable pathways of viral antigen presentation to T lymphocytes. Morrison LA, et al. **Immunol Res** 1986; 5(4):294–304 (43 ref.)
Relationship of mouse natural killer cells to mouse natural cytotoxic cells: effector cells and possible mechanism of action. Ortaldo JR, et al. **Immunol Res** 1986;5(1):25–32
Human natural cytotoxic cells: distinctive membrane markers and patterns of reactivity. Stankova J, et al. **Immunol Res** 1986;5(1):33–9
Recognition of influenza virus proteins by cytotoxic T lymphocytes. Townsend AR. **Immunol Res** 1987; 6(1-2):80–100 (89 ref.)
Passively acquired antibodies to respiratory syncytial virus impair the secondary cytotoxic T-cell response in the neonatal mouse. Bangham CR. **Immunology** 1986 Sep; 59(1):37–41
T-cell immunity to murine Moloney sarcoma virus-induced tumours: L3T4+ T cells are necessary for resistance to primary sarcoma growth, but Lyt-2+ T cells are required for resistance to secondary tumour cell challenge. Bateman WJ, et al. **Immunology** 1987 Jul;61(3):317–20
Differential expression of RT1 class II genes in fibroblast cell lines: recognition by allogeneic and xenogeneic T lymphocytes. Eccles SJ, et al. **Immunology** 1986 Sep; 59(1):29–35
Frequency analysis of augmented CTL production associated with Corynebacterium parvum-induced tumour regression. Johnson TR, et al. **Immunology** 1987 Mar;60(3):361–6
Human cytotoxic T lymphocytes. II. Frequency analysis of cyclosporin A-sensitive alloreactive cytotoxic T-lymphocyte precursors. Kabelitz D, et al. **Immunology** 1987 May;61(1):57–62
An intrathyroidal T-cell clone specifically cytotoxic for human thyroid cells. Mackenzie WA, et al. **Immunology** 1987 May;61(1):101–3
The induction of cytotoxic T-cell responses with H-2 antigens shed from viable lymphocytes. Meeusen E. **Immunology** 1987 Jul;61(3):321–6
Bovine alloreactive cytotoxic cells generated in vitro detect BoLA w6 subgroups. Spooner RL, et al. **Immunology** 1987 May;61(1):85–91

Influenza virus-specific cytotoxic T-cell recognition: stimulation of nucleoprotein-specific clones with intact antigen. Wraith DC, et al. **Immunology** 1986 Oct; 59(2):173–80

Mycobacterium leprae-specific Lyt-2+ T lymphocytes with cytolytic activity. Chiplunkar S, et al. **Infect Immun** 1986 Dec;54(3):793–7

A murine anti-sheep T8 monoclonal antibody, ST-8, that defines the cytotoxic T lymphocyte population. Ezaki T, et al. **Int Arch Allergy Appl Immunol** 1987;82(2):168–77

Canine unilateral lung transplantation: effect of ciclosporin A on the frequency of donor-lytic lymphocytes. Kirby JA, et al. **Int Arch Allergy Appl Immunol** 1987;84(1):62–8

Lysis of tumor cells by the retargeting of murine cytolytic T lymphocytes with bispecific antibodies. Barr IG, et al. **Int J Cancer** 1987 Sep 15;40(3):423–9

Melanoma cell lysis by human CTL clones: differential involvement of T3, T8 and HLA antigens. Fossati G, et al. **Int J Cancer** 1987 Jun 15;39(6):689–94

Production of stable cytolytic T-cell clones directed against autologous human melanoma. Hérin M, et al. **Int J Cancer** 1987 Mar 15;39(3):390–6

Establishment of a murine leukemia L1210-specific T-cell clone displaying novel in vivo anti-tumor activity. Nagase F, et al. **Int J Cancer** 1986 Dec 15;38(6):907–14

Epstein-Barr virus-specific T-cell recognition of B-cell transformants expressing different EBNA 2 antigens. Wallace LE, et al. **Int J Cancer** 1987 Mar 15;39(3):373–9

A miniaturized cell-mediated cytotoxicity assay with human effector mononuclear cells. D'Atri S, et al. **Int J Tissue React** 1986;8(5):383–90

A serine protease triggers the initial step of transmembrane signalling in cytotoxic T cells. Utsunomiya N, et al. **J Biol Chem** 1986 Dec 15;261(35):16514–7

Inhibitory effects of alloimmune T cells on the generation of cytolytic responses of lymphokine-activated killer cells. Sugarbaker PH, et al. **J Biol Response Mod** 1987 Aug; 6(4):430–45

Abnormal cytolytic activity of lymphocyte function-associated antigen-1-deficient human cytolytic T lymphocyte clones. Mentzer SJ, et al. **J Clin Invest** 1986 Nov;78(5):1387–91

Phenotypic expression of natural killer cell associated membrane antigens and cytolytic function of peripheral blood cells from different aged humans. Bender BS, et al. **J Clin Lab Immunol** 1986 Sep;21(1):31–6

Depression of the generation of cell-mediated cytotoxicity in regional lymph nodes of patients with gastric carcinoma. Koba F, et al. **J Clin Lab Immunol** 1987 Apr;22(4):181–4

Alloreactive cytolytic T cell clones with dual recognition of HLA-B27 and HLA-DR2 antigens. Selective involvement of CD8 in their class I—directed cytotoxicity. Aparicio P, et al. **J Exp Med** 1987 Feb 1;165(2):428–43

Use of synthetic peptides of influenza nucleoprotein to define epitopes recognized by class I-restricted cytotoxic T lymphocytes. Bastin J, et al. **J Exp Med** 1987 Jun 1; 165(6):1508–23

On the role of the transmembrane anchor sequence of influenza hemagglutinin in target cell recognition by class I MHC-restricted, hemagglutinin-specific cytolytic T lymphocytes. Braciale TJ, et al. **J Exp Med** 1987 Sep 1; 166(3):678–92

Specific cytotoxic T cells are found in the nonrejected kidneys of blood-transfused rats. Dallman MJ, et al. **J Exp Med** 1987 Feb 1;165(2):566–71

Identification of viral molecules recognized by influenza-specific human cytotoxic T lymphocytes. Gotch F, et al. **J Exp Med** 1987 Feb 1;165(2):408–16

Mouse H-2k-restricted cytotoxic T cells recognize antigenic determinants in both the HA1 and HA2 subunits of the influenza A/PR/8/34 hemagglutinin. Gould KG, et al. **J Exp Med** 1987 Sep 1;166(3):693–701

Regulation of autoimmunity and donor cell engraftment by recipient Lyt-2+ cells during the graft-versus-host reaction. Harper SE, et al. **J Exp Med** 1987 Sep 1; 166(3):657–67

Direct activation of CD8+ cytotoxic T lymphocytes by dendritic cells. Inaba K, et al. **J Exp Med** 1987 Jul 1; 166(1):182–94

T cell receptor variable gene usage in a specific cytotoxic T cell response. Primary structure of the antigen-MHC receptor of four hapten-specific cytotoxic T cell clones. Iwamoto A, et al. **J Exp Med** 1987 Mar 1;165(3):591–600

Induction of c-ets and c-fos gene expression upon antigenic stimulation of a T cell hybridoma with inducible cytolytic capacity. Kaufmann Y, et al. **J Exp Med** 1987 Sep 1; 166(3):810–5

Introduction of H-2Dd determinants into the H-2Ld antigen by site-directed mutagenesis. Koeller D, et al. **J Exp Med** 1987 Sep 1;166(3):744–60

A nonstructural polypeptide encoded by immediate-early transcription unit 1 of murine cytomegalovirus is recognized by cytolytic T lymphocytes. Koszinowski UH, et al. **J Exp Med** 1987 Jul 1;166(1):289–94

Gut mucosal immunization with reovirus serotype 1/L stimulates virus-specific cytotoxic T cell precursors as well as IgA memory cells in Peyer's patches. London SD, et al. **J Exp Med** 1987 Mar 1;165(3):830–47

Accumulation of natural killer and cytotoxic T large granular lymphocytes in the liver during virus infection. McIntyre KW, et al. **J Exp Med** 1986 Nov 1;164(5):1667–81

HLA B37 determines an influenza A virus nucleoprotein epitope recognized by cytotoxic T lymphocytes. McMichael AJ, et al. **J Exp Med** 1986 Nov 1; 164(5):1397–406

Different structural constraints for recognition of mouse H-2Kd and -Kk antigens by alloimmune cytolytic T lymphocytes. Schpller J, et al. **J Exp Med** 1986 Dec 1; 164(6):1823–34

Antigen receptor-regulated exocytosis in cytotoxic T lymphocytes. Takayama H, et al. **J Exp Med** 1987 Sep 1;166(3):725–43

Calcium and inositolphosphates in the activation of T cell-mediated cytotoxicity. Treves S, et al. **J Exp Med** 1987 Jul 1;166(1):33–42

Cytolytic T lymphocyte recognition of the murine cytomegalovirus nonstructural immediate-early protein pp89 expressed by recombinant vaccinia virus. Volkmer H, et al. **J Exp Med** 1987 Sep 1;166(3):668–77

The pore-forming protein (perforin) of cytolytic T lymphocytes is immunologically related to the components of membrane attack complex of complement through cysteine-rich domains. Young JD, et al. **J Exp Med** 1986 Dec 1;164(6):2077–82

T cell-mediated hepatitis in mice infected with lymphocytic choriomeningitis virus. Liver cell destruction by H-2 class I-restricted virus-specific cytotoxic T cells as a physiological correlate of the 51Cr-release assay? Zinkernagel RM, et al. **J Exp Med** 1986 Oct 1; 164(4):1075–92

The primary in vivo murine cytotoxic T cell response to the flavivirus, West Nile. Kesson AM, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):2001–6

Infection of cultured murine brain cells by Semliki Forest virus: effects of interferon-alpha beta on viral replication, viral antigen display, major histocompatibility complex antigen display and lysis by cytotoxic T lymphocytes. Morris A, et al. **J Gen Virol** 1987 Jan;68 (Pt 1):99–106

Different roles for L3T4+ and Lyt 2+ T cell subsets in the control of an acute herpes simplex virus infection of the skin and nervous system. Nash AA, et al. **J Gen Virol** 1987 Mar;68 (Pt 3):825–33

Cytotoxic T cell specificity for respiratory syncytial virus proteins: fusion protein is an important target antigen. Pemberton RM, et al. **J Gen Virol** 1987 Aug;68 (Pt 8):2177–82

Cytotoxic T-cell responses to the nucleocapsid proteins of HBV in chronic hepatitis. Evidence that antibody modulation may cause protracted infection. Pignatelli M, et al. **J Hepatol** 1987 Feb;4(1):15–21

Different sensitivity of B cell lines derived from Burkitt lymphoma (BL) and normal cells (LCL) to cytotoxic T cell clones generated by autologous and allogeneic stimulation. Klein E, et al. **J Immunogenet** 1986 Apr-Jun; 13(2-3):269–74 (24 ref.)

Kinetic analysis of cloned cytotoxic T lymphocyte reactivity against normal and leukaemic target cells. LeFever AV, et al. **J Immunogenet** 1986 Apr-Jun;13(2-3):275–85

A novel MHC class I molecule as a tumour-specific antigen. Correlation between the antibody-defined and the CTL-defined target structure. Philipps C, et al. **J Immunogenet** 1986 Apr-Jun;13(2-3):93–9

Molecular definition of retrovirus-induced antigens recognized by tumour-specific H-2-restricted cytolytic T lymphocytes. Plata F, et al. **J Immunogenet** 1986 Apr-Jun; 13(2-3):263–8

Dysfunction of irradiated thymus for the development of helper T cells. Amagai T, et al. **J Immunol** 1987 Jul 15; 139(2):358–64

Fine specificity of HLA-B27 cellular allorecognition. HLA-B27f is a functional variant distinguishable by cytolytic T cell clones. Aparicio P, et al. **J Immunol** 1987 Aug 1;139(3):837–41

Human and murine cytotoxic T cells specific to respiratory syncytial virus recognize the viral nucleoprotein (N), but not the major glycoprotein (G), expressed by vaccinia virus recombinants. Bangham CR, et al. **J Immunol** 1986 Dec 15;137(12):3973–7

Beta-chain gene rearrangements and V beta gene usage in DPw2-specific T cells. Beall SS, et al. **J Immunol** 1987 Aug 15;139(4):1320–5

Aberrant T cells in beige mutant mice. Biron CA, et al. **J Immunol** 1987 Apr 1;138(7):2050–6

The role of the T cell receptor, CD8, and LFA-1 in different stages of the cytolytic reaction mediated by alloreactive T lymphocyte clones. Blanchard D, et al. **J Immunol** 1987 Apr 15;138(8):2417–21

Complexity of T cell receptor recognition sites for defined alloantigens. Borst J, et al. **J Immunol** 1987 Sep 15; 139(6):1952–9

Cell surface molecules involved in NK recognition by cloned cytotoxic T lymphocytes. Brooks CG, et al. **J Immunol** 1987 Mar 1;138(5):1331–7

Cultured Lyt-2- L3T4- T lymphocytes from normal thymus or lpr mice express a broad spectrum of cytolytic activity. Budd RC, et al. **J Immunol** 1986 Dec 15;137(12):3734–41

Antigen-specific Lyt-2+ cytolytic T lymphocytes from mice infected with the intracellular bacterium Listeria monocytogenes. De Libero G, et al. **J Immunol** 1986 Oct 15;137(8):2688–94

Killing of mouse blastocyst stage embryos by cytotoxic T lymphocytes directed to major histocompatibility complex antigens. Ewoldsen MA, et al. **J Immunol** 1987 May 1; 138(9):2764–70

The immune response to Moloney murine leukemia virus-induced tumors: induction of cytolytic T lymphocytes specific for both viral and tumor-associated antigens. Flyer DC, et al. **J Immunol** 1986 Dec 15; 137(12):3968–72

Derivation of cytotoxic T cell lines that express T cell receptor but exhibit reversible loss of stable antigen binding. Gnarra JR, et al. **J Immunol** 1986 Nov 15;137(10):3057–64

Cytotoxic T cell activation by class I protein on cell-size artificial membranes: antigen density and Lyt-2/3 function. Goldstein SA, et al. **J Immunol** 1987 Apr 1;138(7):2034–43

Cell-sized, supported artificial membranes (pseudocytes): response of precursor cytotoxic T lymphocytes to class I MHC proteins. Goldstein SA, et al. **J Immunol** 1986 Dec 1;137(11):3383–92

Target cell recognition structures in LDCC and ODCC. Gorman KC, et al. **J Immunol** 1987 Feb 15;138(4):1014–9

Cytotoxic lymphokines produced by cloned human cytotoxic T lymphocytes. II. A novel CTL-produced cytotoxin that is antigenically distinct from tumor necrosis factor and alpha-lymphotoxin. Green LM, et al. **J Immunol** 1986 Dec 1;137(11):3488–93

Induction of anti-AKR/gross virus cytolytic T lymphocytes in AKR.H-2b:Fv-1b congenic mice: age-dependent conversion to a nonresponder phenotype. Green WR. **J Immunol** 1987 Mar 1;138(5):1602–6

Molecular mechanisms involved in T cell activation. I. Evidence for independent signal-transducing pathways in lymphokine production vs proliferation in cloned cytotoxic T lymphocytes. Harris DT, et al. **J Immunol** 1987 Jan 15; 138(2):600–5

Molecular localization to a unique DR beta-chain of the restriction element of an anti-influenza T cell clone. Haziot A, et al. **J Immunol** 1987 Mar 15;138(6):1834–7

Anti-T cell receptor antibodies fail to inhibit specific lysis by CTL clones but activate lytic activity for irrelevant targets. Henkel TJ, et al. **J Immunol** 1987 Feb 15; 138(4):1221–8

The degree of CTL-induced DNA solubilization is not determined by the human vs mouse origin of the target cell. Howell DM, et al. **J Immunol** 1987 Jun 1; 138(11):3695–8

Suppression of Ia-unrestricted primary anti-Qa-1 cytotoxic T lymphocyte responses by class II major histocompatibility complex-restricted cellular interactions. Huston DP, et al. **J Immunol** 1987 May 1;138(9):2753–9

Cytotoxic T lymphocyte response to minor H-42a alloantigen in H-42b mice: clonal inactivation of the precursor cytotoxic T lymphocytes by veto-like spleen cells that express the H-42a antigen. Ishikawa H, et al. **J Immunol** 1986 Oct 1;137(7):2080–8

Differential susceptibility of cytotoxic and helper T cell precursors to neonatal tolerization to histocompatibility antigens. Ishizaka ST, et al. **J Immunol** 1986 Oct 1; 137(7):2093–9

Enhanced lytic susceptibility of Ha-ras transformants after oncogene induction is specific to activated NK cells. Johnson PW, et al. **J Immunol** 1987 Jun 1; 138(11):3996–4003

Differential lack of class I H-2d antigen expression by sublines of the BALB/c S49 T cell lymphoma. Joseph LJ, et al. **J Immunol** 1986 Dec 15;137(12):4016–20

Antigen-presenting T cells. II. Clonal responses of alloreactive and virus-specific self-restricted human cytotoxic T cell responses stimulated by T lymphoblasts. Kabelitz D, et al. **J Immunol** 1987 Jan 1;138(1):45–50

Analysis of the murine lymphokine-activated killer (LAK) cell phenomenon: dissection of effectors and progenitors into NK- and T-like cells. Kalland T, et al. **J Immunol** 1987 Jun 1;138(11):3640–5

Class I MHC antigens in the generation and expression of promiscuous cytotoxic cell function. Kane KP, et al. **J Immunol** 1986 Nov 15;137(10):3080–6

Antigen-driven T cell clones can proliferate in vivo, eradicate disseminated leukemia, and provide specific immunologic memory. Klarnet JP, et al. **J Immunol** 1987 Jun 1;138(11):4012–7

Spontaneous in vitro evolution of lytic specificity of cytotoxic T lymphocyte clones isolated from murine intestinal epithelium. Klein JR, et al. **J Immunol** 1987 Jan 1;138(1):58–62

Human allospecific cytolytic T lymphocyte lysis of a murine cell transfected with HLA-A2. Koller TD, et al. **J Immunol** 1987 Apr 1;138(7):2044–9

Anti-receptor anti-MHC cytotoxic T lymphocytes: their role in the resistance to graft vs host reaction. Kosmatopoulos K, et al. **J Immunol** 1987 Feb 15;138(4):1038–41

Recognition of the beta-2 microglobulin-B molecule by a CTL clone. Kurtz ME, et al. **J Immunol** 1987 Jan 1; 138(1):87–90

Requirements for triggering of lysis by cytolytic T lymphocyte clones. Lancki DW, et al. **J Immunol** 1987 Jun 1;138(11):3646–53

Expression of Leu-19 (NKH-1) antigen on IL 2-dependent cytotoxic and non-cytotoxic T cell lines. Lanier LL, et al. **J Immunol** 1987 Apr 1;138(7):2019–23

Identification of monoclonal antibodies specific for the T cell receptor complex by Fc receptor-mediated CTL lysis. Leo O, et al. **J Immunol** 1986 Dec 15;137(12):3874–80

Recognition of MHC class I allodeterminants regulates the generation of MHC class II-specific CTL. McCarthy SA, et al. **J Immunol** 1986 Nov 15;137(10):3087–92

Analysis of hybrid H-2D and L antigens with reciprocally mismatched aminoterminal domains: functional T cell recognition requires preservation of fine structural determinants. McCluskey J, et al. **J Immunol** 1986 Dec 15;137(12):3881–90

Features of target cell lysis by class I and class II MHC–restricted cytolytic T lymphocytes. Maimone MM, et al. **J Immunol** 1986 Dec 1;137(11):3639–43

Cytotoxic T lymphocytes from mice with soluble class I Q10 molecules in their serum are not tolerant to membrane-bound Q10. Mann DW, et al. **J Immunol** 1987 Jan 1;138(1):240–5

The mechanisms of antiviral immunity induced by a vaccinia virus recombinant expressing herpes simplex virus type 1 glycoprotein D: clearance of local infection. Martin S, et al. **J Immunol** 1987 May 15;138(10):3431–7

Antibodies to the L3T4 and Lyt-2 molecules interfere with antigen receptor–driven activation of cloned murine T cells. Moldwin RL, et al. **J Immunol** 1987 Aug 1; 139(3):657–64

Cell-mediated amplification and down regulation of cytotoxic immune response against autologous human cancer. Mukherji B, et al. **J Immunol** 1987 Mar 15; 138(6):1987–91

Proteolytically modified human beta 2-microglobulin augments the specific cytotoxic activity in murine mixed lymphocyte culture. Nissen MH, et al. **J Immunol** 1987 Aug 15;139(4):1022–9

Cyclosporine-induced tolerance in experimental organ transplantation. Evidence of diminished donor-specific cytotoxicity relative to donor-specific proliferative response. Norin AJ, et al. **J Immunol** 1987 Jul 15; 139(2):332–7

Specific lysis of human tumor cells by T cells coated with anti-T3 cross-linked to anti-tumor antibody. Perez P, et al. **J Immunol** 1986 Oct 1;137(7):2069–72

Acquisition of non-MHC restricted cytotoxic function by IL 2 activated thymocytes with an "immature" antigenic phenotype. Phillips JH, et al. **J Immunol** 1987 Aug 1; 139(3):683–7

The use of tunicamycin to study the role of cell surface oligosaccharides in lymphocyte recognition. Pimlott NJ, et al. **J Immunol** 1986 Oct 15;137(8):2455–9

In vitro T cell–mediated killing of Pseudomonas aeruginosa. V. Generation of bactericidal T cells in nonresponder mice. Powderly WG, et al. **J Immunol** 1987 Apr 1;138(7):2272–7

Tumor-specific idiotype vaccines. II. Analysis of the tumor–related network response induced by the tumor and by internal image antigens (Ab2 beta). Raychaudhuri S, et al. **J Immunol** 1987 Jul 1;139(1):271–8

Antigen-presenting T cells. I. Class I alloantigen (bm1)–bearing T lymphoblasts efficiently stimulate a primary clonal response of Lyt-2+ cytotoxic lymphocyte precursors of B6 origin. Reimann J, et al. **J Immunol** 1987 Feb 15;138(4):1042–50

Recognition of EBV plasma membrane protein expressed on murine cells after gene transfer. Reiss CS, et al. **J Immunol** 1987 Aug 1;139(3):711–4

Xyloside inhibits synthesis of the class II–associated chondroitin sulfate proteoglycan and antigen presentation events. Rosamond S, et al. **J Immunol** 1987 Sep 15; 139(6):1946–51

Characterization of an Lyt-2+ alloreactive cytotoxic T cell clone specific for H-2Db that cross-reacts with I-Ek. Schilham MW, et al. **J Immunol** 1986 Nov 1;137(9):2748–54

Characterization of dual–reactive H-2Kb–restricted anti–vesicular stomatitus virus and alloreactive cytotoxic T cells. Sheil JM, et al. **J Immunol** 1987 Jun 1; 138(11):3654–60

Anti–tumor activity of class II MHC antigen–restricted cloned autoreactive T cells. II. Novel immunotherapy of B16 melanomas by local and systemic adoptive transfer. Shiohara T, et al. **J Immunol** 1987 Mar 15;138(6):1979–86

Anti–tumor activity of class II MHC antigen–restricted cloned autoreactive T cells. I. Destruction of B16 melanoma cells mediated by bystander cytolysis in vitro. Shiohara T, et al. **J Immunol** 1987 Mar 15;138(6):1971–8

Cellular immune response to human sarcomas: cytotoxic T cell clones reactive with autologous sarcomas. I. Development, phenotype, and specificity. Slovin SF, et al. **J Immunol** 1986 Nov 1;137(9):3042–8

Requirement for three distinct lymphokines for the induction of cytotoxic T lymphocytes from thymocytes. Takai Y, et al. **J Immunol** 1986 Dec 1;137(11):3494–500

Lethal graft–vs–host disease across major histocompatibility barriers: requirement for leucyl-leucine methyl ester sensitive cytotoxic T cells. Thiele DL, et al. **J Immunol** 1987 Jan 1;138(1):51–7

Expression and function of asialo GM1 in alloreactive cytotoxic T lymphocytes. Ting CC, et al. **J Immunol** 1986 Oct 1;137(7):2100–6

Role of cytotoxic T lymphocytes in the prevention of lupus-like disease occurring in a murine model of graft–vs–host disease. Via CS, et al. **J Immunol** 1987 Sep 15;139(6):1840–9

Immunodominance in the T cell response to multiple non–H-2 histocompatibility antigens. III. Single histocompatibility antigens dominate the male antigen. Wettstein PJ. **J Immunol** 1986 Oct 1;137(7):2073–9

BioBreeding/Worcester (BB/Wor) rats are deficient in the generation of functional cytotoxic T cells. Woda BA, et al. **J Immunol** 1987 Sep 1;139(5):1514–7

Characterization of cytotoxic cells in mice rendered neonatally tolerant of MHC alloantigens: evidence for repertoire modification. Wood PJ, et al. **J Immunol** 1987 Jun 1;138(11):3661–8

The mitogenic activity of staphylococcal enterotoxin B (SEB): a monovalent T cell mitogen that stimulates cytolytic T lymphocytes but cannot mediate their lytic interaction. Zehavi-Willner T, et al. **J Immunol** 1986 Oct 15;137(8):2682–7

Discrimination of human cytotoxic lymphocytes from regulatory and B-lymphocytes by orthogonal light scattering. Terstappen LW, et al. **J Immunol Methods** 1986 Dec 24;95(2):211–6

Mononuclear phagocytes as targets for cytolytic T lymphocytes. Young JW, et al. **J Immunol Methods** 1987 Jun 26;100(1–2):99–105

Effects of human immunodeficiency virus on the cellular immune response to Epstein–Barr virus in homosexual men: characterization of the cytotoxic response and lymphokine production. Blumberg RS, et al. **J Infect Dis** 1987 May; 155(5):877–90

Cross–reactive tumor antigens in the skin of mice exposed to subcarcinogenic doses of ultraviolet radiation. Hong SR, et al. **J Invest Dermatol** 1987 Feb;88(2):154–60

Tumor–specific T–lymphocyte cytotoxicity enhanced by low dose of C. parvum. Lau BH, et al. **J Leukocyte Biol** 1987 May;41(5):407–11

Establishment of interleukin 2 dependent cytotoxic T lymphocyte cell line specific for autologous brain tumor and its intracranial administration for therapy of the tumor. Kitahara T, et al. **J Neurooncol** 1987;4(4):329–36

Kinetics of cytotoxic T lymphocytes in stage IV–S neuroblastoma. Etoh T, et al. **J Pediatr Surg** 1987 Apr; 22(4):356–9

Antigen presenting cells in human decidual tissue. II: Accessory cells for the development of anti–trinitrophenyl cytotoxic T lymphocytes. Oksenberg JR, et al. **J Reprod Immunol** 1987 Apr;10(4):309–18

Production of tumor–specific suppressor T cell hybridomas. Bear HD. **J Surg Res** 1987 Apr;42(4):369–76

Anti–influenza virus cytotoxic T lymphocytes recognize the three viral polymerases and a nonstructural protein: responsiveness to individual viral antigens is major histocompatibility complex controlled. Bennink JR, et al. **J Virol** 1987 Apr;61(4):1098–102

Possible mechanisms by which the H-2Kbm3 mutation may decrease cytotoxic T–lymphocyte recognition of vesicular stomatitis virus nucleoprotein antigen. Bowman MR, et al. **J Virol** 1987 Jun;61(6):1992–8

Host immune response to cytomegalovirus: products of transfected viral immediate-early genes are recognized by cloned cytolytic T lymphocytes. Koszinowski UH, et al. **J Virol** 1987 Jun;61(6):2054–8

Mechanisms of antiviral immunity induced by a vaccinia virus recombinant expressing herpes simplex virus type 1 glycoprotein D: cytotoxic T cells. Martin S, et al. **J Virol** 1987 Mar;61(3):726–34

N protein is the predominant antigen recognized by vesicular stomatitis virus–specific cytotoxic T cells. Puddington L, et al. **J Virol** 1986 Nov;60(2):708–17

Late-phase expression of a murine cytomegalovirus immediate–early antigen recognized by cytolytic T lymphocytes. Reddehase MJ, et al. **J Virol** 1986 Dec; 60(3):1125–9

Cells expressing herpes simplex virus glycoprotein gC but not gB, gD, or gE are recognized by murine virus–specific cytotoxic T lymphocytes. Rosenthal KL, et al. **J Virol** 1987 Aug;61(8):2438–47

Augmentation of antitumor immune response by trinitrophenyl (TNP)–reactive helper T–cells: enhanced induction of tumor–specific Lyt–1+2– T–cell–mediated delayed–type hypersensitivity from spleen cells of tumor–bearing mice by TNP helpers. Suda T, et al. **JNCI** 1986 Dec;77(6):1267–72

Possible role of helper and cytolytic T cells in mycobacterial infections. Kaufmann SH, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:101–11

Generation in vitro of alloreactive lymphocytes is suppressed by the addition of spleen cells from mice infected with lymphocytic choriomeningitis virus. Varho–Göbel M, et al. **Med Microbiol Immunol (Berl)** 1986;175(6):317–24

Human thymic and peripheral blood non–MHC–restricted cytotoxic lymphocytes. Lanier LL, et al. **Med Oncol Tumor Pharmacother** 1986;3(3–4):247–54 (39 ref.)

Cytolytic activity mediated by T lymphocytes. Engers HD, et al. **Methods Enzymol** 1986;132:437–45

Cytolytic T–cell clones and hybridomas. von Boehmer H, et al. **Methods Enzymol** 1986;132:467–77

Stimulation of cytotoxic T–lymphocyte responses by rabies virus glycoprotein and identification of an immunodominant domain. Macfarlan RI, et al. **Mol Immunol** 1986 Jul;23(7):733–41

Generation of targets for alloreactive CTL using purified H–2Kk in liposomes and polyethylene glycol. Reed ML, et al. **Mol Immunol** 1986 Dec;23(12):1339–47

Targeting of cytotoxic cells with cross–linked antibody heteroaggregates. Segal DM, et al. **Mol Immunol** 1986 Nov; 23(11):1211–4

AIDS: an autoimmune pathologic model for the destruction of a subset of helper T lymphocytes. Shearer GM. **Mt Sinai J Med (NY)** 1986 Dec;53(8):609–15

Effect of ribonucleases on cell–mediated lympholysis reaction and on GM–CFC colonies in bone marrow culture. Souček J, et al. **Nat Immun Cell Growth Regul** 1986;5(5):250–8

Two forms of the T–cell receptor gamma protein found on peripheral blood cytotoxic T lymphocytes. Brenner MB, et al. **Nature** 1987 Feb 19–25;325(6106):689–94

Induction of cytotoxic T–cell responses in vivo in the absence of CD4 helper cells. Buller RM, et al. **Nature** 1987 Jul 2–8;328(6125):77–9

Cytolytic T–cell melodrama [news] Golstein P. **Nature** 1987 May 7–13;327(6117):12

Cytotoxic T lymphocytes recognize a fragment of influenza virus matrix protein in association with HLA-A2. Gotch F, et al. **Nature** 1987 Apr 30-May 6;326(6116):881–2

Signal requirements in the step–wise functional maturation of cytotoxic T lymphocytes. Gromo G, et al. **Nature** 1987 Jun 4–10;327(6121):424–6

Dominance of one T–cell receptor in the H-2Kb/TNP response. Hochgeschwender U, et al. **Nature** 1987 Mar 19–25;326(6110):307–9

H–2–restricted cytolytic T cells specific for HLA can recognize a synthetic HLA peptide. Maryanski JL, et al. **Nature** 1986 Dec 11–17;324(6097):578–9

Inhibition of alloreactive cytotoxic T lymphocytes by peptides from the alpha 2 domain of HLA-A2. Parham P, et al. **Nature** 1987 Feb 12–18;325(6105):625–8

AIDS virus–specific cytotoxic T lymphocytes in lung disorders. Plata F, et al. **Nature** 1987 Jul 23–29; 328(6128):348–51

Pleiotropic loss of activation pathways in a T–cell receptor alpha–chain deletion variant of a cytolytic T–cell clone. Schmitt–Verhulst AM, et al. **Nature** 1987 Feb 12–18; 325(6105):628–31

Two antigen–independent adhesion pathways used by human cytotoxic T–cell clones. Shaw S, et al. **Nature** 1986 Sep 18–24;323(6085):262–4

Cytotoxic T lymphocytes recognize influenza haemagglutinin that lacks a signal sequence. Townsend AR, et al. **Nature** 1986 Dec 11–17;324(6097):575–7

Cytotoxic T lymphocytes and glucocorticoids activate an endogenous suicide process in target cells. Ucker DS. **Nature** 1987 May 7–13;327(6117):62–4

HIV–specific cytotoxic T lymphocytes in seropositive individuals. Walker BD, et al. **Nature** 1987 Jul 23–29; 328(6128):345–8

Depression of virus–specific cytotoxic T–cell responses during murine malaria. Nickell SP, et al. **Parasite Immunol** 1987 Mar;9(2):161–74

The interaction of human T–lymphocytes and Entamoeba histolytica: killing of virulent amoebae by lectin–dependent lymphocytes. Salata RA, et al. **Parasite Immunol** 1987 Mar; 9(2):249–61

Lymphocyte–mediated cytotoxicity. Herberman RB. **Pediatr Ann** 1987 Jun;16(6):485, 488–93

Suppressor–cytotoxic T–lymphocyte panniculitis [published erratum appears in Pediatr Dermatol 1986 Dec;3(6):511] Solomon AR, et al. **Pediatr Dermatol** 1986 Sep;3(4):295–9

Specific human cytotoxic T cells recognize B–cell lines persistently infected with respiratory syncytial virus. Bangham CR, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(23):9183–7

Antigen–receptor interaction requirement for conjugate formation and lethal–hit triggering by cytotoxic T lymphocytes can be bypassed by protein kinase C activators and Ca2+ ionophores. Berrebi G, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1364–8

"E3/19K" protein of adenovirus type 2 inhibits lysis of cytolytic T lymphocytes by blocking cell–surface expression of histocompatibility class I antigens. Burgert HG, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1356–60

Site-directed mutagenesis of an HLA–A3 gene identifies amino acid 152 as crucial for major–histocompatibility–complex–restricted and alloreactive cytotoxic–T–lymphocyte recognition. Cowan EP, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5014–8

HLA antigens expressed on murine cells are preferentially recognized by murine cytotoxic T cells in the context of the H–2 major histocompatibility complex. Holterman MJ, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9699–703

Induction of cytotoxicity in resting human T lymphocytes bound to tumor cells by antibody heteroconjugates. Jung G, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4611–5

Resistance of cytotoxic T lymphocytes to lysis by a clone of cytotoxic T lymphocytes. Kranz DM, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3375–9

Down–regulation of class I HLA antigens and of the Epstein–Barr virus–encoded latent membrane protein in Burkitt lymphoma lines. Masucci MG, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4567–71

T–cell antigen receptors with identical variable regions but different diversity and joining region gene segments have distinct specificities but cross–reactive idiotypes. Rupp F, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):219–22

Interleukin 5, a T–cell–derived B–cell differentiation factor also induces cytotoxic T lymphocytes. Takatsu K, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4234–8

Generation of specific cytotoxic T cells with a fragment of the Epstein–Barr virus–encoded p63/latent membrane protein. Thorley–Lawson DA, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5384–8

The tolerance that develops in recipients of cultured allografts is an active process that affects both the

activation and effector function of cytotoxic T cells. Talmage DW, et al. **Prog Clin Biol Res** 1986;224:187–94

The cytotoxic T-cell response to Ia antigens: lack of correlation between the level of specific cytotoxicity obtained in primary mixed lymphocyte reaction and the frequency of specific cytotoxic T lymphocyte. Beretta A, et al. **Scand J Immunol** 1986 Dec;24(6):643–51

Suppression of cytolytic T-lymphocyte responses through inactivation of non-T accessory cells. Degiovanni G. **Scand J Immunol** 1987 May;25(5):453–60

Cytotoxic human HLA class II restricted purified protein derivative-reactive T-lymphocyte clones. IV. Analysis of HLA restriction pattern and mycobacterial antigen specificity. Hansen PW, et al. **Scand J Immunol** 1987 Mar; 25(3):295–303

Polyclonal lymphocyte responses to murine Trypanosoma cruzi infection. II. Cytotoxic T lymphocytes. Minoprio PM, et al. **Scand J Immunol** 1986 Dec;24(6):669–79

Role of antigen-presenting cells in the cytotoxic T-cell response to minor histocompatibility antigens (MIHA). I. In vitro function of cells pulsed with MIHA in vivo. Pilarski LM, et al. **Scand J Immunol** 1987 Jul;26(1):11–9

Different Tc response profiles are associated with survival in the murine lymphocytic choriomeningitis virus infection. Thomsen AR, et al. **Scand J Immunol** 1987 Jun;25(6):637–44

Are lytic granules and perforin 1 involved in lysis induced by in vivo-primed peritoneal exudate cytolytic T lymphocytes? Berke G, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 1):412–6

Lytic effector cell function following kidney transplantation. Müller C, et al. **Transplant Proc** 1987 Apr;19(2):2932–8

Effect of Langerhans' cells on cytotoxic T lymphocyte responses to major and minor alloantigens expressed on heterotopic corneal allografts. Peeler JS, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):316–9

The evaluation and relevance of autolymphocytotoxic antibody in the highly presensitized patient. Ettenger R, et al. **Transplantation** 1987 Feb;43(2):302–4

Hybrid Ia antigens in man. Detection with cytotoxic T cell clones. Gonwa TA. **Transplantation** 1986 Oct;42(4):423–9

Selective reduction of donor-specific cytotoxic T lymphocyte precursors in patients with a well-functioning kidney allograft. Herzog WR, et al. **Transplantation** 1987 Mar;43(3):384–9

In vitro cytotoxic T cell responses to cell-free minor histocompatibility antigens. Requirement for antigen-presenting cells. Pilarski LM. **Transplantation** 1987 Feb;43(2):286–90

Reconstitution of cytotoxic T lymphocyte activity following allogeneic bone marrow transplantation in man. Tilkin AF, et al. **Transplantation** 1987 Aug;44(2):303–8

Rejection of skin grafts and generation of cytotoxic T cells by mice depleted of L3T4+ cells. Woodcock J, et al. **Transplantation** 1986 Dec;42(6):636–42

Growth inhibition of murine colonic adenocarcinoma by tumor immune but not by IL-2-activated or alloactivated lymphocytes. Rodolfo M, et al. **Tumori** 1987 Feb 28; 73(1):1–9

Specific recognition of influenza virus polymerase protein (PB1) by a murine cytotoxic T-cell clone. Bastin JM, et al. **Virology** 1987 Sep;160(1):278–80

Natural cytotoxic activity in murine and human systems. A review. Lattime EC. **Year Immunol** 1986;2:261–6 (28 ref.)

[Suppressor T cell function and T cell autologous hepatotoxicity in chronic active hepatitis B] Xie XC. **Chung Hua I Hsueh Tsa Chih** 1986 Sep;66(9):519–20, 574 (Eng. Abstr.) **(Chi)**

[Lymphocyte cytotoxicity against autologous tumor cells and the effect of interferon-beta on their activities. (2) Evaluation of large granular lymphocytes (LGL)] Ezaki K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1246–51 (Eng. Abstr.) **(Jpn)**

[Lymphocyte cytotoxicity against autologous tumor cells and the effect of interferon-beta on their activities. (1) Evaluation by modification of target tumor cells] Ezaki K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1240–5 (Eng. Abstr.) **(Jpn)**

[Tumor-infiltrating lymphocytes from human metastatic melanoma] Itoh K. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2119–26 (Eng. Abstr.) **(Jpn)**

[Human cytotoxic T cell clones that recognize HLA-DQw3 antigens] Fukasawa Y. **Hokkaido Igaku Zasshi** 1986 Sep; 61(5):682–9 (Eng. Abstr.) **(Jpn)**

[A study on the veto cells from H-2 recombinant mice and allogeneic bone marrow chimeric mice] Ogasawara M. **Hokkaido Igaku Zasshi** 1986 Nov;61(6):883–91 (Eng. Abstr.) **(Jpn)**

[An analysis of the immunologic role of murine tail epidermal and Langerhans cells in the induction of CTL in vitro] Iijima M. **Nippon Hifuka Gakkai Zasshi** 1986 Oct; 96(11):1143–50 **(Jpn)**

[Activity of T, NK and K lymphocytes in two immunodeficiency syndromes] Olinescu A, et al. **Rev Med Interna [Med Interna]** 1987 Mar-Apr;39(2):185–92 **(Rum)**

[Cytotoxicity of the lymphocytes of melanoma patients against autologous tumor cells and its in vitro enhancement] Bykovskaia SN, et al. **Biull Eksp Biol Med** 1987 Jan; 103(1):86–9 (Eng. Abstr.) **(Rus)**

[Stimulating effect of polyion on the production of cytolytic T lymphocytes in a cell culture in vitro] Derevianchenko IG, et al. **Biull Eksp Biol Med** 1986 Sep;102(9):327–9 (Eng. Abstr.) **(Rus)**

[In vivo induction of cytotoxic T lymphocytes in H-2Kbm mutant mice and cross-reactivity of narrowly specific killer clones] Kan ES, et al. **Genetika** 1987 Jan;23(1):45–54 (Eng. Abstr.) **(Rus)**

METABOLISM

Interleukin 2 rapidly stimulates synthesis and breakdown of polyphosphoinositides in interleukin 2-dependent, murine T-cell lines. Bonvini E, et al. **J Biol Chem** 1987 Mar 25; 262(9):4160–4

Human interferon alpha and gamma production by lymphocytes during the generation of influenza virus-specific cytotoxic T lymphocytes. Yamada YK, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2325–34

Cellular localization of perforin 1 in murine cloned cytotoxic T lymphocytes. Groscurth P, et al. **J Immunol** 1987 May 1;138(9):2749–52

Lichenoid tissue reaction (LTR) induced by local transfer of Ia-reactive T-cell clones. II. LTR by epidermal invasion of cytotoxic lymphokine-producing autoreactive T cells. Shiohara T, et al. **J Invest Dermatol** 1987 Jul;89(1):8–14

Beta adrenoceptor modulation of the generation of murine cytotoxic T lymphocytes in vitro. Hatfield SM, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):460–6

Expression and functional characterization of artificial mutants of interleukin-2 receptor. Kondo S, et al. **Nature** 1987 May 7-13;327(6117):64–7

Kinetic analysis of Qa-1-specific cloned cytotoxic T lymphocytes: lytic parameters and evaluation of cellular inhibition. LeFever AV, et al. **Scand J Immunol** 1987 Jun; 25(6):541–53

PATHOLOGY

New aggressive variant of suppressor/cytotoxic T-CLL. Hui PK, et al. **Am J Clin Pathol** 1987 Jan;87(1):55–9

Leukemic cells arise from cloned cytotoxic lymphocytes during cell culture. Simon MM, et al. **Eur J Immunol** 1986 Oct;16(10):1269–76

Clonal analysis of T lymphocytes infiltrating the thyroid gland in Hashimoto's thyroiditis. Bagnasco M, et al. **Int Arch Allergy Appl Immunol** 1987;82(2):141–6

[New immunotherapy methods of cancer. III. Generation of cytotoxic lymphocytes against tumor cells in autologous mixed lymphocyte tumor cell cultures with T cell growth factor] Makidono R, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Sep 25; 46(9):1130–7 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

An appraisal of some current thoughts on cytolytic T-lymphocyte killing mechanisms. Berke G. **Ann Inst Pasteur Immunol** 1987 Mar-Apr;138(2):304–8

A molecular biology approach to the mechanism of T-cell-mediated cytotoxicity. Brunet JF, et al. **Ann Inst Pasteur Immunol** 1987 Mar-Apr;138(2):331–6

Resistance of cytolytic T lymphocytes to the lytic components they release. Eisen HN, et al. **Ann Inst Pasteur Immunol** 1987 Mar-Apr;138(2):328–31

Primary sequence homology between the effector molecules that mediate complement and T-lymphocyte cytotoxicity. Lowrey DM, et al. **Ann Inst Pasteur Immunol** 1987 Mar-Apr;138(2):296–300

Granule exocytosis by cytotoxic T lymphocytes generated in vivo. Munger WE, et al. **Ann Inst Pasteur Immunol** 1987 Mar-Apr;138(2):301–4

The role of lymphotoxin in T-cell-mediated cytotoxicity. Ruddle NH, et al. **Ann Inst Pasteur Immunol** 1987 Mar-Apr;138(2):314–20

The role of cytoplasmic granule components in cytolytic lymphocyte-mediated cytolysis. Tschopp J, et al. **Ann Inst Pasteur Immunol** 1987 Mar-Apr;138(2):290–5

The role of K+ in the regulation of the increase in intracellular Ca2+ mediated by the T lymphocyte antigen receptor. Gray LS, et al. **Cell** 1987 Jul 3;50(1):119–27

The role of IL-2 and T4+ cells in the generation of human influenza virus-specific CTL activity. Braakman E, et al. **Cell Immunol** 1986 Jul;100(2):462–73

Transfusions enriched for W3/25+ helper/inducer T lymphocytes prevent spontaneous diabetes in the BB/W rat. Mordes JP, et al. **Diabetologia** 1987 Jan;30(1):22–6

Cloned human CD3- lymphocytes with natural killer-like activity do not express nor rearrange T cell receptor gamma genes. Triebel F, et al. **Eur J Immunol** 1987 Aug; 17(8):1209–12

Stimulation and inhibition of human granulopoiesis in vitro by normal and malignant T4- or T8-lymphocyte subpopulations. Bonnefoix T, et al. **Exp Hematol** 1987 Jul; 15(6):645–51

A human homolog of the mouse CD8 molecule, Lyt-3: genomic sequence and expression. Johnson P. **Immunogenetics** 1987;26(3):174–7

Fine specificity and T-cell receptor beta-chain gene rearrangements of five H-2Db-specific cytotoxic T-cell clones. Schilham MW, et al. **Immunogenetics** 1987; 25(3):171–8

Dissociation of membrane binding and lytic activities of the lymphocyte pore-forming protein (perforin). Young JD, et al. **J Exp Med** 1987 May 1;165(5):1371–82

Lack of IL 2-dependent proliferation despite significant expression of high-affinity IL 2 receptor on murine cytolytic T lymphocyte clones late after antigenic stimulation. Churilla AM, et al. **J Immunol** 1987 Mar 1; 138(5):1338–45

Demonstration of a calcium influx in cytolytic T lymphocytes in response to target cell binding. Gray LS, et al. **J Immunol** 1987 Jan 1;138(1):63–9

Membrane glycoprotein p150,95 of human cytotoxic T cell clone is involved in conjugate formation with target cells. Keizer GD, et al. **J Immunol** 1987 May 15;138(10):3130–6

Molecular mechanisms involved in T cell activation. II. The phosphatidylinositol signal-transducing mechanism mediates antigen-induced lymphokine production but not interleukin 2-induced proliferation in cloned cytotoxic T lymphocytes. Kozumbo WJ, et al. **J Immunol** 1987 Jan 15;138(2):606–12

CTL adhesion and antigen recognition are discrete steps in the human CTL-target cell interaction. Mentzer SJ, et al. **J Immunol** 1987 Mar 1;138(5):1325–30

The lymphocyte function-associated antigen (LFA)-1 and CD2/LFA-3 pathways of antigen-independent human T cell adhesion. Shaw S, et al. **J Immunol** 1987 Aug 15; 139(4):1037–45

The most efficient cytotoxic T lymphocytes are the least susceptible to lysis. Skinner M, et al. **J Immunol** 1987 Aug 15;139(4):985–7

T cell antigen receptor triggered exocytosis in cytotoxic T lymphocytes is inhibited by soluble, but not immobilized monoclonal antibodies to Lyt-2 antigen. Takayama H, et al. **J Immunol** 1987 Aug 15;139(4):1014–21

Characterisation of the effector cells in antibody-dependent and spontaneous cell-mediated cytotoxicity in swine against target cells infected with transmissible gastroenteritis virus. Cepica A, et al. **Res Vet Sci** 1986 Jul; 41(1):70–5

Loss of antigen recognition and impaired cytolytic function in most hybrids between cytotoxic T cells and BW5147. Woodland D, et al. **Scand J Immunol** 1987 Feb;25(2):159–68

Analysis of the alloreactive T cell repertoire in man. I. Differences in precursor frequency for cytotoxic T cell responses against allogeneic MHC molecules in unrelated individuals. Sharrock CE, et al. **Transplantation** 1987 May; 43(5):699–703

[Monoclonal antibodies inhibiting the function of a murine cytotoxic T lymphoma] Simonet-Martin MT, et al. **C R Soc Biol (Paris)** 1986;180(2):229–33 (Eng. Abstr.) **(Fre)**

TRANSPLANTATION

[Cancer therapy with interleukin 2 and activated killer cell--a review] Jondal M, et al. **Lakartidningen** 1987 Apr 29; 84(18):1553–7 **(Swe)**

ULTRASTRUCTURE

17th forum in immunology: Molecular mechanisms of T-cell-mediated cytotoxicity. **Ann Inst Pasteur Immunol** 1987 Mar-Apr;138(2):289–342

Direct ultrastructural evidence of target-directed polarization by cytotoxic lymphocytes in lesions of human graft-vs-host disease. Sale GE, et al. **Arch Pathol Lab Med** 1987 Apr;111(4):333–6

Interleukin 2 receptor traffic in a murine cytolytic T cell line. Nabholz M, et al. **Eur J Immunol** 1987 Jun; 17(6):783–90

Morphologic analysis of the interactions between lymphocytic choriomeningitis virus-specific cloned cytotoxic T cells and virus infected targets. Patterson S, et al. **Lab Invest** 1987 Jul;57(1):29–36

T LYMPHOCYTES, HELPER see **HELPER CELLS**

T LYMPHOCYTES, INDUCER see **HELPER CELLS**

T LYMPHOCYTES, REGULATORY

see related
LYMPHOCYTE COOPERATION

Lymphocyte subset abnormalities in patients with spasmodic torticollis. Moore AP, et al. **Acta Neurol Scand** 1986 Nov; 74(5):371–8

[Several indices of immunocorrection in neurodermatitis patients] Kaliuzhnaia LD, et al. **Vrach Delo** 1987 Jan; (1):74–6 (Eng. Abstr.) **(Rus)**

[Immunoregulatory subpopulations of T-lymphocytes of systemic lupus erythematosus patients before and after hemosorption] Lysenko GI, et al. **Vrach Delo** 1987 Feb; (2):94–8 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Lymphocyte subsets in habitual abortion. Virag I, et al. **Am J Reprod Immunol Microbiol** 1986 Sep;12(1):7–9

Immunoregulatory T lymphocytes in man. Soluble antigen-specific suppressor-inducer T lymphocytes are derived from the CD4+CD45R-p80+ subpopulation. Damle NK, et al. **J Immunol** 1987 Sep 1;139(5):1501–8

In vivo T cell depletion regulates resistance and morbidity in murine schistosomiasis. Phillips SM, et al. **J Immunol** 1987 Aug 1;139(3):919–26

[Regulatory subpopulations of T lymphocytes in patients with pulmonary tuberculosis] Averbakh MM, et al. **Probl Tuberk** 1986;(7):50–4 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Adenosine induced production of a soluble factor affecting lymphocyte activation. Zocchi MR, et al. **Immunol Lett** 1986 Oct 15;13(5):245–53

Effect of cyclophosphamide on T-lymphocyte marker expression in T-cell areas of some lymphoid organs of the rat. el-Sady E, et al. **J Immunopharmacol** 1986;8(4):439–53

[The theophylline test in the evaluation of the effect of anesthesia on immunity] Gadalov VP, et al. **Anesteziol Reanimatol** 1987 Jan-Feb;(1):25–7 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunoregulatory T-cell defects in B-cell chronic lymphocytic leukemia: cause or consequence of the disease? The contributory role of decreased availability of interleukin 2 (IL-2). Foa R, et al. **Blood Cells** 1987; 12(2):399–412

Immunoglobulin synthesis in myelodysplastic syndromes: normal B-cell and immunoregulatory T-cell functions. Merchav S, et al. **Clin Immunol Immunopathol** 1987 Feb; 42(2):195–201

Control of immune responsiveness by regulatory T lymphocytes. Flood PM, et al. **Concepts Immunopathol** 1986;3:17–37 (66 ref.)

Relevance of autocytotoxic and autoregulatory lymphocytes in the maintenance of self tolerance. Rosenkrantz K, et al. **Concepts Immunopathol** 1987;4:24–41 (85 ref.)

Influence of a minor recurrent idiotype on the regulation of immune response: route dependence. Zöller M, et al. **Immunobiology** 1986 Aug;172(1–2):54–71

The rabbit immune system: cells regulating the proliferative response of purified T cells to concanavalin A and phytohaemagglutinin. Ponsard DC, et al. **Immunol Lett** 1986 Aug;13(1–2):63–9

Selective alterations in immunoregulatory lymphocyte subsets in early HIV (human T-lymphotropic virus type III/lymphadenopathy-associated virus) infection. Giorgi JV, et al. **J Clin Immunol** 1987 Mar;7(2):140–50

Protracted severe immune dysregulation induced by cardiopulmonary bypass: a predisposing etiologic factor in blood transfusion-related AIDS? Pollock R, et al. **J Clin Lab Immunol** 1987 Jan;22(1):1–5

Activation of immunoregulatory lymphocytes obtained from patients with malignant gliomas. Elliott LH, et al. **J Neurosurg** 1987 Aug;67(2):231–6

Age-related changes of the function of T cell subsets: predominant defect of the proliferative response in CD8 positive T cell subset in aged persons. Negoro S, et al. **Mech Ageing Dev** 1987 Aug;39(3):263–79

[Effect of regulator cells induced by the influenza virus in adoptive transfer] Volgarev AP, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):83–6 (Eng. Abstr.) **(Rus)**

[Immunoregulatory T-lymphocytes of patients with periodontal diseases in gastric and duodenal peptic ulcer] Safarov T, et al. **Stomatologiia (Mosk)** 1987 Jan-Feb; 66(1):22–4 (Eng. Abstr.) **(Rus)**

[Immunoregulatory lymphocyte subpopulations in patients with dilated and hypertrophic cardiomyopathies] Chumburidze VB, et al. **Ter Arkh** 1986;58(10):59–62 (Eng. Abstr.) **(Rus)**

[Monoclonal antibodies in the evaluation of subpopulations of immunoregulatory T-cells in patients with atopic dermatitis] Potekaev NS, et al. **Vestn Dermatol Venerol** 1986;(9):6–9 (Eng. Abstr.) **(Rus)**

[Regulatory role of T gamma and T mu-cells in the development of delayed-type hypersensitivity according to the results of skin tests and the clinical manifestations of furunculosis] Savitskaia LN. **Vestn Dermatol Venerol** 1987;(1):17–22 (Eng. Abstr.) **(Rus)**

METABOLISM

The behaviour of OKT3-, OKT4- and OKT8-positive cells during phases of elevated spontaneous chemiluminescence activity (CL-A) in multiple sclerosis patients. A serial study. Hammann KP, et al. **J Neurol** 1987 Jan;234(1):25–30

T LYMPHOCYTES, SUPPRESSOR see **SUPPRESSOR CELLS**

LYMPHOCYTES, NULL

Peripheral blood leucocytes subpopulation dynamics during Trypanosoma congolense infection in Boran and N'Dama cattle: an analysis using monoclonal antibodies and flow cytometry. Ellis JA, et al. **Parasite Immunol** 1987 May; 9(3):363–78

CYTOLOGY

Mediastinal lymphoma of clear cell type is a tumor corresponding to terminal steps of B cell differentiation. Möller P, et al. **Blood** 1987 Apr;69(4):1087–95

DRUG EFFECTS

Natural suppressor (NS) activity from murine neonatal spleen is responsive to IFN-gamma. Maier T, et al. **J Immunol** 1987 Jun 15;138(12):4075–84

IMMUNOLOGY

The expanded null cell compartment in ageing: increase in the number of natural killer cells and changes in T-cell and NK-cell subsets in human blood. Ligthart GJ, et al. **Immunology** 1986 Nov;59(3):353–7

Accumulation of immature B and null lymphocytes in the periphery after intraperitoneal administration of traditional Chinese medicine, xiao-chai-hu-tang (Japanese name: shosaiko-to). Kawakita T, et al. **J Immunopharmacol** 1986; 8(4):561–88

[Regulation of the natural killer activity of lymphocytes from healthy donors and patients with chronic lympholeukemia through the interaction of T- and non-T cells] Khonina NA, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):321–3 (Eng. Abstr.) **(Rus)**

LYMPHOCYTIC CHORIOMENINGITIS

CEREBROSPINAL FLUID

Cerebrospinal fluid immunoglobulins and virus-specific antibodies in disorders affecting the facial nerve. Weber T, et al. **J Neurol** 1987 Jun;234(5):308–14

IMMUNOLOGY

Effect of attenuated viral vaccines on suckling mice infected with LCMV. Csatáry LK, et al. **Acta Microbiol Hung** 1986; 33(4):325–31

The acute inflammatory process in murine lymphocytic choriomeningitis is dependent on Lyt-2+ immune T cells. Dixon JE, et al. **Cell Immunol** 1987 Jun;107(1):8–14

Anti-asialo GM1 eliminates both inflammatory process and cytotoxic T-cell function in the lymphocytic choriomeningitis adoptive transfer model. Doherty PC, et al. **Cell Immunol** 1987 Jun;107(1):1–7

Nature of the inflammatory process in the central nervous system of mice infected with lymphocytic choriomeningitis virus. Allan JE, et al. **Curr Top Microbiol Immunol** 1987; 134:131–43

Regulation and role of large granular lymphocytes in arenavirus infections. Welsh RM. **Curr Top Microbiol Immunol** 1987;134:185–209

The immune response of the mouse to lymphocytic choriomeningitis virus. V. High numbers of cytolytic T lymphocytes are generated in the spleen during acute infection. Moskophidis D, et al. **Eur J Immunol** 1987 Jul; 17(7):937–42

Differential effect of hybrid resistance on the localization of virus-immune effector T cells to spleen and brain. Doherty PC, et al. **Immunogenetics** 1986;24(6):409–15

Phenotypic analysis of the inflammatory exudate in murine lymphocytic choriomeningitis. Ceredig R, et al. **J Exp Med** 1987 Jun 1;165(6):1539–51

Antiviral antibody-producing cells in parenchymatous organs during persistent virus infection. Moskophidis D, et al. **J Exp Med** 1987 Mar 1;165(3):705–19

T cell-mediated hepatitis in mice infected with lymphocytic choriomeningitis virus. Liver cell destruction by H-2 class I-restricted virus-specific cytotoxic T cells as a physiological correlate of the 51Cr-release assay? Zinkernagel RM, et al. **J Exp Med** 1986 Oct 1; 164(4):1075–92

Mechanism of recovery from acute virus infection. IV. Questionable role of mononuclear phagocytes in the clearance of lymphocytic choriomeningitis virus from spleens of mice. Lehmann-Grube F, et al. **J Immunol** 1987 Apr 1;138(7):2282–9

Immunohistochemical analysis of the involvement of F4/80 and Ia-positive macrophages in mouse liver infected with lymphocytic choriomeningitis virus. Dixon JE, et al. **J Leukocyte Biol** 1986 Nov;40(5):617–28

Mechanism of recovery from acute virus infection: treatment of lymphocytic choriomeningitis virus-infected mice with monoclonal antibodies reveals that Lyt-2+ T lymphocytes mediate clearance of virus and regulate the antiviral antibody response. Moskophidis D, et al. **J Virol** 1987 Jun; 61(6):1867–74

Different Tc response profiles are associated with survival in the murine lymphocytic choriomeningitis virus infection. Thomsen AR, et al. **Scand J Immunol** 1987 Jun;25(6):637–44

Meningeal macrophages reflect lymphocytic choriomeningitis virus pathogenic phenotypes. Woods SJ, et al. **Scand J Immunol** 1987 Aug;26(2):97–103

METABOLISM

Persistent virus infection associated with chemical manifestations of diabetes. II. Role of viral strain, environmental insult, and host genetics. Tishon A, et al. **Am J Pathol** 1987 Jan;126(1):61–72

MICROBIOLOGY

State of viral genome and proteins during persistent lymphocytic choriomeningitis virus infection. Francis SJ, et al. **Curr Top Microbiol Immunol** 1987;133:67–88 (86 ref.)

PHYSIOPATHOLOGY

Lack of correlation between serum titres of interferon alpha, beta, natural killer cell activity and clinical susceptibility in mice infected with two isolates of lymphocytic choriomeningitis virus. Leist TP, et al. **J Gen Virol** 1987 Aug;68 (Pt 8):2213–8

Perturbation of differentiated functions in vivo during persistent viral infection. III. Decreased growth hormone mRNA. Valsamakis A, et al. **Virology** 1987 Feb; 156(2):214–20

THERAPY

Immunotherapy for virus infection. Oldstone MB. **Curr Top Microbiol Immunol** 1987;134:211–29

VETERINARY

Susceptibility of inbred Syrian golden hamsters (Mesocricetus auratus) to lethal disease by lymphocytic choriomeningitis virus. Genovesi EV, et al. **Proc Soc Exp Biol Med** 1987 Jul;185(3):250–61

LYMPHOCYTIC CHORIOMENINGITIS VIRUS

GENETICS

Persistent virus infection associated with chemical manifestations of diabetes. II. Role of viral strain, environmental insult, and host genetics. Tishon A, et al. **Am J Pathol** 1987 Jan;126(1):61–72

Dissecting the molecular anatomy of the nervous system: analysis of RNA and protein expression in whole body sections of laboratory animals. Blount P, et al. **Brain Res** 1986 Sep 24;382(2):257–65

Mapping arenavirus genes causing virulence. Riviere Y. **Curr Top Microbiol Immunol** 1987;133:59–65 (64 ref.)

Molecular anatomy of viral disease. The George Cotzias memorial lecture 1986. Oldstone MB. **Neurology** 1987 Mar; 37(3):453–60 (54 ref.)

Molecular characterization of the genomic S RNA segment from lymphocytic choriomeningitis virus. Southern PJ, et al. **Virology** 1987 Mar;157(1):145–55

GROWTH & DEVELOPMENT

Virus-lymphocyte interaction: T cells of the helper subset are infected with lymphocytic choriomeningitis virus during persistent infection in vivo. Ahmed R, et al. **J Virol** 1987 May;61(5):1571–6

IMMUNOLOGY

The immune response of the mouse to lymphocytic choriomeningitis virus. V. High numbers of cytolytic T lymphocytes are generated in the spleen during acute infection. Moskophidis D, et al. **Eur J Immunol** 1987 Jul; 17(7):937–42

Differential effect of hybrid resistance on the localization of virus-immune effector T cells to spleen and brain. Doherty PC, et al. **Immunogenetics** 1986;24(6):409–15

Monoclonal antibodies against viral determinants are not restricted to the K/D end of the major histocompatibility complex. Pestalozzi B, et al. **J Exp Med** 1987 Jul 1; 166(1):295–9

Site-specific antibodies define a cleavage site conserved among arenavirus GP-C glycoproteins. Buchmeier MJ, et al. **J Virol** 1987 Apr;61(4):982–5

Morphologic analysis of the interactions between lymphocytic choriomeningitis virus-specific cloned cytotoxic T cells and virus infected targets. Patterson S, et al. **Lab Invest** 1987 Jul;57(1):29–36

Generation in vitro of alloreactive lymphocytes is suppressed by the addition of spleen cells from mice infected with lymphocytic choriomeningitis virus. Varho-Göbel M, et al. **Med Microbiol Immunol (Berl)** 1986;175(6):317–24

Depression of virus-specific cytotoxic T-cell responses during murine malaria. Nickell SP, et al. **Parasite Immunol** 1987 Mar;9(2):161–74

ISOLATION & PURIFICATION

State of viral genome and proteins during persistent lymphocytic choriomeningitis virus infection. Francis SJ, et al. **Curr Top Microbiol Immunol** 1987;133:67–88 (86 ref.)

PATHOGENICITY

Lack of correlation between serum titres of interferon alpha, beta, natural killer cell activity and clinical susceptibility in mice infected with two isolates of lymphocytic choriomeningitis virus. Leist TP, et al. **J Gen Virol** 1987 Aug;68 (Pt 8):2213–8

PHYSIOLOGY

Lymphocytic choriomeningitis virus can persistently infect thyroid epithelial cells and perturb thyroid hormone production. Klavinskis LS, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):1867–73

LYMPHOCYTOPENIA see **LYMPHOPENIA**

LYMPHOCYTOSIS

CEREBROSPINAL FLUID

[Migraine manifestations and lymphocyte pleocytosis of the cerebrospinal fluid] Liblau R, et al.

Ann Med Interne (Paris) 1987;138(4):291–5 (Eng. Abstr.) **(Fre)**
[Syndrome of calcifications of basal ganglia, leukodystrophy and chronic lymphomonocytic pleocytosis of the cerebrospinal fluid: report of a case] Diament AJ, et al. **Arq Neuropiquiatr** 1986 Jun;44(2):185–90 (Eng. Abstr.) **(Por)**

CHEMICALLY INDUCED

Marked atypical lymphocytosis, hepatitis, and skin rash in sulfasalazine drug allergy. Poland GA, et al. **Am J Med** 1986 Oct;81(4):707–8

COMPLICATIONS

Prognostic significance of bronchoalveolar lymphocytosis in farmer's lung. Cormier Y, et al. **Am Rev Respir Dis** 1987 Mar;135(3):692–5
Lymphocytosis, azurophilic granulation, and polyarthritis [letter] Pedro-Botet ML, et al. **Ann Intern Med** 1987 Feb; 106(2):330
RAEB in a patient with chronic granulated T-lymphocytosis [letter] Bassan R, et al. **Br J Haematol** 1987 Apr;65(4):503–4
[Joint manifestations in chronic T-cell lymphocytosis and neutropenia] Masson C, et al. **Rev Rhum Mal Osteoartic** 1986 Jun;53(6):379–83 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Transient atypical lymphocytosis in patients with emergency medical conditions. Teggatz JR, et al. **Arch Pathol Lab Med** 1987 Aug;111(8):712–4
Lymphocyte surface marker studies in the diagnosis of unexplained lymphocytosis. Quantz MC, et al. **Can Med Assoc J** 1987 Apr 15;136(8):835–8
[Chronic T gamma-cell lymphocytosis with neutropenia] Lukina EA, et al. **Gematol Transfuziol** 1987 Jun;32(6):60–3 **(Rus)**

ETIOLOGY

Delayed type hypersensitivity induced by LPF from Bordetella pertussis [published erratum appears in Allergol Immunopathol (Madr) 1986 Nov-Dec;14(6):568] Guadalupe Cortés JM, et al. **Allergol Immunopathol (Madr)** 1986 Jul-Aug;14(4):311–7
Absolute lymphocytosis associated with nonsurgical trauma. Thommasen HV, et al. **Am J Clin Pathol** 1986 Oct; 86(4):480–3
[Characterization of chronic lymphocytic proliferation in a female patient having rheumatoid polyarthritis with neutropenia] Combe B, et al. **Rev Rhum Mal Osteoartic** 1987 May;54(5):381–7 (Eng. Abstr.) **(Fre)**
[Disorders of cellular and humoral immunologic responses in patients with dilated cardiomyopathy. I] Dabrowski M, et al. **Kardiol Pol** 1986;29(5–6):395–401 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Lymphocyte markers and clinical expression of lymphoproliferative disorders with moderate lymphocytosis. Economidou J, et al. **Br J Cancer** 1986 Oct; 54(4):651–6
K-cell lymphocytosis/neutropenia syndrome: the neutropenia is not caused by autoimmunity. van der Veen JP, et al. **Br J Haematol** 1986 Dec;64(4):777–87
Heterogeneity of chronic T-cell lymphocytosis: immunological and clinical aspects. González M, et al. **Haematologia (Budap)** 1987;20(1):31–9
Immunological functions and T-cell receptor gene rearrangement of proliferating lymphocytes in a case of T gamma lymphocytosis with neutropenia. Okabe M, et al. **Tohoku J Exp Med** 1987 Jan;151(1):105–15

METABOLISM

Production of hemopoietic growth factors and gamma-interferon by large granular lymphocytes from patients with T gamma lymphocytosis. Standen GR, et al. **Int J Cell Cloning** 1987 Jul;5(4):302–14

PATHOLOGY

Heterogeneity of large granular lymphocyte proliferations: delineation of two major subtypes. Chan WC, et al. **Blood** 1986 Nov;68(5):1142–53
Heterogeneity of large granular lymphocyte proliferations: morphological, immunological and molecular analysis in seven patients. Lauria F, et al. **Br J Haematol** 1987 Jun; 66(2):187–91
Lymphohistiocytosis: a multi-factorial syndrome of macrophagic activation clinico-pathological study of 38 cases. Goldberg J, et al. **Hematol Oncol** 1986 Oct-Dec; 4(4):275–89

PHYSIOPATHOLOGY

The syndrome of T8 hyperlymphocytosis: variation in phenotype and cytotoxic activities of granular cells and evaluation of their role in associated neutropenia. Grillot-Courvalin C, et al. **Blood** 1987 Apr;69(4):1204–10

VETERINARY

T and B peripheral blood lymphocytes in normal and lymphocytotic sheep. Djilali S, et al. **Comp Immunol Microbiol Infect Dis** 1987;10(2):141–7

LYMPHOCYTOTOXIC ANTIBODIES see **ANTILYMPHOCYTE SERUM**

LYMPHOGRANULOMA INGUINALE see **LYMPHOGRANULOMA VENEREUM**

LYMPHOGRANULOMA, MALIGNANT see **HODGKIN'S DISEASE**

LYMPHOGRANULOMA VENEREUM

COMPLICATIONS

Chlamydia trachomatis and reactive arthritis: the missing link. Keat A, et al. **Lancet** 1987 Jan 10;1(8524):72–4
[Anal lymphogranuloma venereum with erythema nodosa. Apropos of a case] Marchand C, et al. **Ann Dermatol Venereol** 1987;114(1):65–9 **(Fre)**

DIAGNOSIS

False-positive ELISA for Chlamydia trachomatis recognised by atypical morphology on fluorescent staining [letter] Rothburn MM, et al. **Lancet** 1986 Oct 25;2(8513):982–3
Kaposi sarcoma in the acquired immune deficiency syndrome (AIDS), presenting as lymphogranuloma venereum (LGV) in a promiscuous trinidadian male. Aghadiuno PU, et al. **Trop Geogr Med** 1987 Jan;39(1):88–91
[A case of inguinal lymphogranuloma venereum] Powałowska J, et al. **Przegl Dermatol** 1986 Mar-Apr; 73(2):137–40 (Eng. Abstr.) **(Pol)**
[2 cases of lymphogranuloma venereum (the 4th venereal disease)] Gusein-Zade KM, et al. **Vestn Dermatol Venerol** 1987;(3):75–7 (Eng. Abstr.) **(Rus)**
[Inguinal lymphogranulomatosis (lymphogranuloma venereum)] Kapkaev RA, et al. **Vestn Dermatol Venerol** 1986;(11):61–2 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Treatment of Chlamydia trachomatis infections: comparison of 1- and 2-g doses of erythromycin daily for seven days. Linnemann CC Jr, et al. **Sex Transm Dis** 1987 Apr-Jun; 14(2):102–6

IMMUNOLOGY

Antigenic specificity of human antibody to chlamydia in trachoma and lymphogranuloma venereum. Ward ME, et al. **J Gen Microbiol** 1986 Jun;132 (Pt 6):1599–610

MICROBIOLOGY

Experimental proctitis due to rectal infection with Chlamydia trachomatis in nonhuman primates. Quinn TC, et al. **J Infect Dis** 1986 Nov;154(5):833–41

OCCURRENCE

[Epidemiologic considerations apropos of 6 cases of lymphogranuloma venereum recorded in Sicily in a 1-year period] Panizza E, et al. **G Ital Dermatol Venereol** 1987 Jan-Feb;122(1-2):11–4 (Eng. Abstr.) **(Ita)**

LYMPHOGRAPHY

The role of lymphography in the staging and treatment of ovarian dysgerminoma. Report on 27 cases. Santoni R, et al. **Acta Oncol** 1987 Jan-Feb;26(1):23–5
Abdominal CT and lymphography in the initial staging of non-Hodgkin's lymphoma. Benson WJ, et al. **Aust NZ J Med** 1987 Apr;17(2):253–4
Systemic lymphangiomatosis: a combined diagnostic approach of lymphangiography and computed tomography. Griffin GK, et al. **J Comput Tomogr** 1986 Oct;10(4):335–9
An analysis of lymphographic signs for differentiating cancerous, lymphomatous, and normal lymph nodes. Tatsuzaki H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Apr 25; 47(4):575–84
Lymphangiography and CT in the follow-up of patients with lymphoma. Pera A, et al. **Radiology** 1987 Sep;164(3):631–3
Lymphography in pelvic oncology: some recent developments. Barigozzi P, et al. **Rays** 1986 Sep-Dec; 11(3):93–7
The value of thermography and lymphography in the diagnosis and follow-up of Kaposi's disease. Lauriola C, et al. **Rays** 1985 May-Aug;10(2):85–90
Lymphography and abdominal computed tomography in staging Hodgkin's disease. Strijk SP, et al. **ROFO** 1987 Mar;146(3):312–8
Lymphography and its prognostic value in childhood leukemia. Lanning P, et al. **Rontgenblatter** 1987 Apr; 40(4):118–20
Conditions simulating lymphoma in children--a lymphographic study. Lanning P, et al. **Rontgenblatter** 1987 Aug;40(8):255–9
[Lymphangiographic appearance of stage III and IV chronic venous insufficiency] Nitzche H, et al. **Phlebologie** 1986 Oct-Dec;39(4):941–6 **(Fre)**
[The place of lymphography and computed tomography in the determination of lymph node status in primary cancer of the cervix] Räber G, et al. **Radiol Diagn (Berl)** 1986; 27(4):449–59 (Eng. Abstr.) **(Ger)**
[Pulmonary microlithiasis following iodine lipiodol lymphography?] Tiedjen KU, et al. **Radiologe** 1986 Oct; 26(10):460–3 (Eng. Abstr.) **(Ger)**
[Ultrasonic diagnosis, computed tomography and lymphography of retroperitoneal lymphomas--re-evaluation of lymphography] Wolff P, et al. **Strahlenther Onkol** 1987 Feb;163(2):109–13 (Eng. Abstr.) **(Ger)**
[Lymphography in malignant testicular tumors] Fischer U, et al. **Z Lymphol** 1987 Jul;11(1):8–13 (Eng. Abstr.) **(Ger)**
[Lymphography in Hodgkin's lymphoma. Diagnostic value based on the current status of experience and knowledge] Gregl A, et al. **Z Lymphol** 1987 Jul;11(1):1–7 (Eng. Abstr.) **(Ger)**
[Value of lymphography in the preoperative diagnosis of gynecologic cancers] Hering KG. **Z Lymphol** 1986 Dec; 10(2):61–2 (Eng. Abstr.) **(Ger)**
[Direct roentgenocontrast lymphography in the examination of lymphovenous anastomoses] Sheremet PF, et al. **Khirurgiia (Mosk)** 1986 Dec;(12):62–8 (Eng. Abstr.) **(Rus)**
[Clinical lymphographic diagnosis of posttraumatic edema in the substitution of bone defects] Chepelenko GV. **Vestn Khir** 1987 Apr;138(4):36–8 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Pitfall in MR imaging of lymphadenopathy after lymphangiography. Buckwalter KA, et al. **Radiology** 1986 Dec;161(3):831–2
[High resolution CT of the lung after lymphangiography] Sasai K, et al. **Rinsho Hoshasen** 1987 Jan;32(1):45–9 **(Jpn)**

HISTORY

[The history of the German Society of Lymphology from its foundation to the present] Gregl A. **Z Lymphol** 1987 Jul;11(1):28–32 **(Ger)**

METHODS

[Indirect lymphangiography and transcutaneous measurement of oxygen pressure in white atrophy] Partsch H, et al. **Phlebologie** 1986 Jul-Sep;39(3):581–7 (Eng. Abstr.) **(Fre)**
[Up-date in lymphographic technics] Nahum M. **Minerva Chir** 1987 Feb 15;42(3):203–8 (Eng. Abstr.) **(Ita)**
[Use of the technic of indirect lymphography of the neck in the clinical practice of maxillofacial surgery] Timofeev AA, et al. **Klin Khir** 1986;(12):37–8 (Eng. Abstr.) **(Rus)**

LYMPHOID CELLS see **LYMPHOCYTES**

LYMPHOID TISSUE

see related
ADENOIDS
SPLEEN
THYMUS GLAND
TONSIL

Long-term followup of rheumatoid arthritis patients treated with total lymphoid irradiation. Tanay A, et al. **Arthritis Rheum** 1987 Jan;30(1):1–10
[Lymphoid choristoma of the penis (letter)] Hernández EI. **Medicina (B Aires)** 1986;46(3):364–5 **(Spa)**

ANALYSIS

Immunocytochemical localization of vitamin D-dependent calcium-binding protein in the growing chick lymphoid organs. Schreiner DS, et al. **Dev Comp Immunol** 1986 Summer;10(3):365–76
Immunocytochemical study of human lymphoid tissues with monoclonal antibodies against S-100 protein subunits. Tanaka Y. **Virchows Arch [A]** 1986;410(2):125–32
Immunoreactivity for S-100 protein in dendritic and in lymphocyte-like cells in human lymphoid tissues. Uccini S, et al. **Virchows Arch [B]** 1986;52(2):129–41

ANATOMY & HISTOLOGY

Minor salivary gland duct-associated lymphoid tissue (DALT) in monkeys changes with age. Nair PN, et al. **J Dent Res** 1987 Feb;66(2):407–11
Structure and probable functional role of the nasopharyngeal lymphoepithelial tissue of the mouse. Nakano T, et al. **Okajimas Folia Anat Jpn** 1987 Mar;63(6):371–85
Bronchus associated lymphoid tissue in the lungs of cattle: relationship to age. Anderson ML, et al. **Res Vet Sci** 1986 Sep;41(2):211–20
Lymphoid organs in sturgeons (Acipenseridae). Fänge R. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):153–61
[Age and the extent and topography of solitary lymphoid nodules in the wall of the human small and large intestine] Khatamov EA. **Arkh Anat Gistol Embriol** 1986 Dec; 91(12):66–9 (Eng. Abstr.) **(Rus)**

[Morphologic changes in the thymus and lymphoid nodules of the appendix of the white rat subjected to increasing physical loads] Vikhruk TI, et al. **Arkh Anat Gistol Embriol** 1986 Nov;91(11):45–50 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Dome epithelial M cells dissociated from rabbit gut–associated lymphoid tissues. Roy MJ, et al. **Am J Vet Res** 1986 Dec;47(12):2577–83

Development of dome epithelium in gut–associated lymphoid tissues: association of IgA with M cells. Roy MJ, et al. **Cell Tissue Res** 1987 Jun;248(3):645–51

A novel antigen is common to the dome epithelium of gut– and bronchus–associated lymphoid tissues. Roy MJ, et al. **Cell Tissue Res** 1987 Jun;248(3):635–44

Selective visualization of human dendritic reticulum cells in reactive lymphoid follicles by the immunohistochemical demonstration of the subunit A of factor XIII (F–XIIIa). Nemes Z, et al. **Virchows Arch [B]** 1987;52(5):453–66

[Influence of follicular dendritic cells on the survival of lymphocytes in vitro] Cormann N, et al. **C R Soc Biol (Paris)** 1986;180(2):218–23 (Eng. Abstr.) **(Fre)**

[Effect of stimulation of the posterior hypothalamic nuclei on the cell proliferation of immunocompetent organs and the beta radioactivity of the blood after DMBA exposure] Shevchenko IN. **Fiziol Zh** 1987 Mar–Apr;33(2):76–9 (Eng. Abstr.) **(Rus)**

[A method of determining the glucocorticoid–resistant fraction of the lymphocytes in the peripheral blood and lymphoid organs] Pytskiĭ VI, et al. **Patol Fiziol Eksp Ter** 1986 Sep–Oct;(5):82–5 **(Rus)**

DRUG EFFECTS

Effects of dexamethasone on the lymphoid organs of Rana perezi. Garrido E, et al. **Dev Comp Immunol** 1987 Spring; 11(2):375–84

Definition of streptozocin toxicity for primary lymphoidal tissues. Wellhausen SR. **Diabetes** 1986 Dec;35(12):1404–11

Morphologic effects of mitoxantrone and a related anthracenedione on lymphoid tissues. Levine S, et al. **Int J Immunopharmacol** 1986;8(8):999–1007

Effect of cyclophosphamide on T–lymphocyte marker expression in T–cell areas of some lymphoid organs of the rat. el–Sady E, et al. **J Immunopharmacol** 1986;8(4):439–53

Effects of interferon on the lymphocyte subset in the blood and lymphoid organs in mice. Kawasaki H, et al. **J Interferon Res** 1986 Oct;6(5):507–17

[Effect of anticonvulsant agents, inducers of microsomal oxidation, on the B–link of immunity and on the natural cytotoxicity of lymphoid organ cells in rats] Saratikov AS, et al. **Farmakol Toksikol** 1987 Jan–Feb;50(1):52–7 (Eng. Abstr.) **(Rus)**

[Effect of experimental choriogonin and azathioprine on hematopoietic and lymphoid tissue] Nikitina VV. **Gematol Transfuziol** 1987 Jan;32(1):46–9 (Eng. Abstr.) **(Rus)**

[Ultrastructure of the lymphocytes in lymphoid organs following cryopreservation with PEO–400 protection] Govorukha TP, et al. **Tsitol Genet** 1987 Jan–Feb;21(1):6–9 (Eng. Abstr.) **(Rus)**

[Effect of corticosteroid hormones on the lymphoid system of vertebrates] Gil'dieva BS. **Zh Evol Biokhim Fiziol** 1986 Nov–Dec;22(6):537–42 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

The development of gut associated lymphoid tissue in the terminal ileum of fetal human intestine. Spencer J, et al. **Clin Exp Immunol** 1986 Jun;64(3):536–43

Ontogeny of gut–associated lymphoid tissue (GALT) in the dogfish Scyliorhinus canicula L. Hart S, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):107–16

ENZYMOLOGY

Effect of 5–azacytidine and congeners on DNA methylation and expression of deoxycytidine kinase in the human lymphoid cell lines CCRF/CEM/0 and CCRF/CEM/dCk–1. Antonsson BE, et al. **Cancer Res** 1987 Jul 15;47(14):3672–8

An immunohistochemical study of endopeptidase–24.11 and aminopeptidase N in lymphoid tissues. Bowes MA, et al. **Immunology** 1987 Feb;60(2):247–53

Histochemistry of dipeptidyl aminopeptidase (DAP) II and IV in reactive lymphoid tissues and malignant lymphoma. Khalaf MR, et al. **J Clin Pathol** 1987 May;40(5):480–5

Induction of mixed–function oxidase activity in mouse lymphoid tissues by polycyclic aromatic hydrocarbons. Griffin GD, et al. **J Toxicol Environ Health** 1986; 19(2):185–94

Succinic dehydrogenase activity in germinal center macrophages in peripheral lymphoid organs of the rat. Milićević NM, et al. **Virchows Arch [B]** 1986;52(4):369–73

[Histoenzymatic and ultrastructural studies of plasma membranes of lymphoid cells in mice with transplantable leukemia L1210] Madej JA, et al. **Arch Exp Veterinarmed** 1986 Nov;40(6):939–47 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Ultrastructure and changes during metamorphosis of the lympho–hemopoietic tissue of the larval anadromous sea lamprey Petromyzon marinus. Ardavín CF, et al. **Dev Comp Immunol** 1987 Winter;11(1):79–93

Seasonal changes in the humoral immune response and the lymphoid tissues of the marine teleost, Sebastiscus marmoratus. Nakanishi T. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):213–21

IMMUNOLOGY

Neuropeptides and gastrointestinal immunity. O'Dorisio MS. **Am J Med** 1986 Dec 22;81(6B):74–82 (67 ref.)

Gut–associated lymphoid tissue as source of an IgA immune response in respiratory tissues after oral immunization and intrabronchial challenge. Weisz–Carrington P, et al. **Cell Immunol** 1987 Apr 15;106(1):132–8

Recent advances in the detection and characterization of specific antibody–forming cells in tissue sections. Van Rooijen N, et al. **Histochem J** 1986 Sep;18(9):465–71 (45 ref.)

Distribution of T–lymphocyte subsets in porcine lymphoid tissues. Jonjić N, et al. **Immunology** 1987 Mar;60(3):395–401

Blast cell activity in mice infected with Hymenolepis nana, H. diminuta and Trichinella spiralis: in vivo uptake of 125IUdR in lymphoid tissues and gut. Gabriele F, et al. **J Helminthol** 1986 Dec;60(4):313–21

Lymphoid tissue– and inflammation–specific endothelial cell differentiation defined by monoclonal antibodies. Duijvestijn AM, et al. **J Immunol** 1987 Feb 1;138(3):713–9

Pathogenicity of HIV in lymphatic organs of patients with AIDS. Pekovic DD, et al. **J Pathol** 1987 May;152(1):31–5

Immunization of chickens via the bursa of Fabricius isolated from the rest of the gut–associated lymphoid tissue using four surgical techniques. Hippeläinen M, et al. **Poult Sci** 1987 Mar;66(3):514–20

Ah receptor mediated suppression of the antibody response in mice is primarily dependent on the Ah phenotype of lymphoid tissue. Silkworth JB, et al. **Toxicol Appl Pharmacol** 1986 Dec;86(3):380–90

METABOLISM

Neuropeptides and the immune system. Substance P receptors in bronchus–associated lymphoid tissue of rat. Wiedermann CJ, et al. **Ann NY Acad Sci** 1987;496:205–10

Regulation of ferritin synthesis in malignant and non–malignant lymphoid cells. Cairo G, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):652–7

The effect of ionizing radiation on lipid metabolism in lymphoid cells. Kolomiytseva IK, et al. **Int J Radiat Biol** 1987 Jan;51(1):53–8

[Uptake of intratracheally administered india ink particles by bronchus–associated lymphatic tissues in the calf and piglet] Heilmann P, et al. **Arch Exp Veterinarmed** 1987 Mar; 41(2):242–8 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Infection of feline lymphoid cells with feline leukemia virus in culture. Kodama T, et al. **Leuk Res** 1987;11(6):549–56

PATHOLOGY

Jejunal malignant lymphoma in a patient with adult–onset hypo–gamma–globulinemia and nodular lymphoid hyperplasia of the small bowel. Aguilar FP, et al. **Am J Gastroenterol** 1987 May;82(5):472–5

Thymic and lymphoid changes and serum immunoglobulin abnormalities in mice receiving cyclosporine. Hattori A, et al. **Am J Pathol** 1987 Jul;128(1):111–20

Lymphoid polyps of the ileum associated with Gardner's syndrome. Thomford NR, et al. **Arch Surg** 1968 Feb; 96(2):289–91

Modification of caecal lymphoid tissue and relationship to granuloma formation in sporadic ileocaecal tuberculosis. Gaffney EF, et al. **Histopathology** 1987 Jul;11(7):691–704

Malignant lymphoma of mucosa–associated lymphoid tissue. Isaacson PG, et al. **Histopathology** 1987 May;11(5):445–62

The proliferative response of mouse lymphoid tissues during infections with Babesia microti or Babesia rodhaini. Inchley CJ, et al. **Int J Parasitol** 1987 Apr;17(4):945–50

Heterogeneity of cultured leukemic lymphoid progenitor cells from B cell precursor acute lymphoblastic leukemia (ALL) patients. Uckun FM, et al. **J Clin Invest** 1987 Sep; 80(3):639–46

Dexamethasone–prepared Escherichia coli–induced disseminated intravascular coagulation. Animal model. Lopez–Garrido J, et al. **Lab Invest** 1987 May;56(5):534–43

Extranodal lymphoid lesions. **Semin Diagn Pathol** 1985 Aug; 2(3):147–223

[Benign lymphadenosis of the oral mucosa: clinicopathological analysis of 70 cases] Sun KH. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 May;21(3):137–9, 190 (Eng. Abstr.) **(Chi)**

[Clinical study of non–Hodgkin lymphoma with involvement of Waldeyer's ring] Ogawa T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1987 May;90(5):723–9 (Eng. Abstr.) **(Jpn)**

[Deficiency of surface membrane proteins of neutrophils (Mol: 110K and 98K) and mononuclear cells (95K) with defective adherence—analysis of neutrophilia and pathological findings in lymphatic tissues] Nunoi H, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1350–60 (Eng. Abstr.) **(Jpn)**

[Changes in the proliferative activity of cells from lymphoid organs of tumor–bearing mice after immunization with antitumoral vaccines] Zatula DG, et al. **Eksp Onkol** 1987; 9(2):33–6 (Eng. Abstr.) **(Rus)**

[Nodular lymphoid hyperplasia of the small intestine with immunodeficiency] Rebrov VG, et al. **Ter Arkh** 1987; 59(2):79–84 (Eng. Abstr.) **(Rus)**

[Histostructural changes in the lymphoid organs in liver lesions of various etiology] Pavlovich SI, et al. **Vrach Delo** 1987 May;(5):24–7 (Eng. Abstr.) **(Rus)**

[The nodal and extranodal lymphoid follicular mantle: physiological considerations and relation to lymphoid neoplasms] Obeso Fernández G, et al. **Med Clin (Barc)** 1987 May 23;88(20):807–9 **(Spa)**

PHYSIOLOGY

Lymphoid system as a regulator of morphostasis and hormonal modulation of these functions. Cuk M, et al. **Ann NY Acad Sci** 1987;496:104–7

Enhanced recovery of gut–associated lymphoid tissue by infusion of buffy coat cells and gut leukocytes in the murine syngeneic bone marrow transplantation model. Leventon GS, et al. **Blood** 1986 Nov;68(5):1003–7

[Current data on the morphophysiology and physiopathology of the palatine amygdala] Olariu B, et al. **Rev Chir [Otorinolaringol]** 1987 Apr–Jun;32(2):81–8 (Eng. Abstr.) **(Rum)**

RADIATION EFFECTS

Treatment of autoimmune disease with total lymphoid irradiation. Cellular and humoral mechanisms. Strober S, et al. **Ann NY Acad Sci** 1986;475:285–95 (24 ref.)

Fractionated total lymphoid irradiation: a promising new treatment for rheumatoid arthritis? Yes, no, maybe. Zvaifler NJ. **Arthritis Rheum** 1987 Jan;30(1):109–14

Total lymphoid irradiation of intractable rheumatoid arthritis. Herbst M, et al. **Br J Radiol** 1986 Dec;59(708):1203–7

Immunosuppressive therapy in high–risk patients. Cortesini R, et al. **Contrib Nephrol** 1986;51:68–72

Suppressor cells induced by total lymphoid irradiation affect proliferation and lymphokine production of murine T helper cell clones. Mate TP, et al. **Int J Radiat Oncol Biol Phys** 1987 Jan;13(1):61–8

The effect of cyclosporine, total lymphoid irradiation, and cobra venom factor on hyperacute rejection. Knechtle SJ, et al. **J Heart Transplant** 1985 Sep–Oct;4(5):541–5

Renal transplant patients treated with total lymphoid irradiation show specific unresponsiveness to donor antigens the mixed leukocyte reaction (MLR). Chow D, et al. **J Immunol** 1987 Jun 1;138(11):3746–50

Comparative toxicity of total lymphoid irradiation and immunosuppressive drug treated patients with intractable rheumatoid arthritis. Sherrer Y, et al. **J Rheumatol** 1987 Feb;14(1):46–51

Total lymphoid irradiation: basic and clinical studies in transplantation immunity. Strober S. **Prog Clin Biol Res** 1986;224:251–62 (40 ref.)

Application of irradiation as an immunosuppressive agent. du Toit DF, et al. **S Afr Med J** 1987 Apr 4;71(7):445–7

Immunological and clinical observations in diabetic kidney graft recipients pretreated with total–lymphoid irradiation. Waer M, et al. **Transplantation** 1987 Mar;43(3):371–9

[Total lymphoid irradiation] Solovera JJ, et al. **Med Clin (Barc)** 1987 May 30;89(1):17–8 **(Spa)**

TRANSPLANTATION

Fetal intestinal transplants in syngeneic rats: a developmental model of intestinal immunity. Kantak AG, et al. **J Immunol** 1987 May 15;138(10):3191–6

ULTRASTRUCTURE

Lymphoglandular complexes of the normal colon: histochemistry and immunohistochemistry. O'Leary AD, et al. **Ir J Med Sci** 1987 May;156(5):142–8

[Initial stages of the myocardial differentiation of the lymph hearts of frog tadpoles. A study by the methods of electron microscopy and electron microscopic autoradiography] Krylova (Markozashvili) MI, et al. **Tsitologiia** 1987 Mar; 29(3):273–81 (Eng. Abstr.) **(Rus)**

LYMPHOKINES

The hybridoma technology: II. Applications of hybrid cell products: monoclonal antibodies and lymphokines. Epstein N, et al. **Adv Biotechnol Processes** 1986;6:219–51 (171 ref.)

Molecular heterogeneity of murine IgG–BF. Neauport–Sautes C, et al. **Mol Immunol** 1986 Nov; 23(11):1183–91

Fire without smoke [news] **Nature** 1986 Nov 20–26; 324(6094):196

Interferon–beta 2 living up to its name [letter] Revel M, et al. **Nature** 1987 Feb 12–18;325(6105):581–2

ADMINISTRATION & DOSAGE

Effect of immunotherapy with allogeneic lymphokine–activated killer cells and recombinant interleukin 2 on established pulmonary and hepatic metastases in mice. Shiloni E, et al. **Cancer Res** 1986 Nov;

46(11):5633–40
Intravenous, intralesional and endolymphatic administration of lymphokines in human cancer. Pulley MS, et al. **Lymphokine Res** 1986;5 Suppl 1:S157–63

ANALYSIS

Studies on the vascular permeability factor of bovine and human platelets. Imura J. **Acta Pathol Jpn** 1986 Sep; 36(9):1347–57
Studies on IgE-binding factors derived from atopic patients. Yanagihara Y, et al. **Arerugi** 1986 Jun;35(6):415–21
Inhibitor of interleukin-2 in rheumatoid synovial fluid. Miossec P, et al. **Arthritis Rheum** 1987 Feb;30(2):121–9
Activated human lymphocytes secrete a soluble factor that aggregates leukocytes. Rouveix B, et al. **Cell Immunol** 1986 May;99(2):385–94
A human T-T-cell hybridoma-derived lymphocyte chemoattractant factor. Theodore AC, et al. **Cell Immunol** 1986 Apr 1;98(2):411–21
Function of T cells from elderly humans: reductions of membrane events and proliferative responses mediated via T3 determinants and diminished elaboration of soluble T-cell factors for B-cell growth. Whisler RL, et al. **Cell Immunol** 1986 May;99(2):422–33
Decreased interleukin 2 inhibitor in sera of patients with autoimmune disorders. Djeu JY, et al. **Clin Exp Immunol** 1986 Aug;65(2):279–85
Bone marrow pro-T and pro-B lymphocyte clones express functional receptors for interleukin (IL) 3 and IL 4/BSF-1 and nonfunctional receptors for IL 2. Sideras P, et al. **Eur J Immunol** 1987 Feb;17(2):217–21
Identity between human interferon-gamma and "macrophage-activating factor" produced by human T lymphocytes. Talmadge KW, et al. **Eur J Immunol** 1986 Dec;16(12):1471–7
Expression of differentiation antigens by hybrids of human lymphoblastoid cells. Howell DN, et al. **Hum Immunol** 1986 Dec;17(4):443–55
NDA3: a differentiation antigen associated with the receptor for B cell growth factor. Suciu-Foca N, et al. **Immunol Res** 1986;5(3):165–72
Variant sublines of the human B-lymphoma cells Namalwa are at different stages of differentiation. Guy K, et al. **Immunology** 1987 Jul;61(3):383–6
Characterization of a factor in leprosy serum that inhibits the growth of mitogen-stimulated normal human lymphocytes. Kerr MA, et al. **Immunology** 1987 Jun; 61(2):117–23
Affinity chromatography and SDS-PAGE studies of radiolabeled IgE-binding and IgG-binding factors generated from human lymphoblastoid cell lines. Jensen JR, et al. **Int Arch Allergy Appl Immunol** 1986;81(2):104–11
Effects of DSIP, 5-HTP and serotonin on the lymphokine system: a preliminary study. Yehuda S, et al. **Int J Neurosci** 1987 Apr;33(3–4):185–97
Differential bioassay of interleukin 2 and interleukin 4. Ho SN, et al. **J Immunol Methods** 1987 Apr 2;98(1):99–104
Cluster differentiation antigen expression, proliferative activity and clinical stage in centroblastic centrocytic lymphomas. Williamson JM, et al. **J Pathol** 1986 Sep; 150(1):51–9
Lymphokines and bile secretion in the rat. Rustgi VK, et al. **Liver** 1987 Jun;7(3):149–54
Antimicrobial and antitumor assays for the measurement of non-IFN-gamma human MAF. Lowrie DB. **Lymphokine Res** 1986;5 Suppl 1:S121–5
Luminescent bioassays based on macrophage cell lines. De Baetselier P, et al. **Methods Enzymol** 1986;133:507–30
Establishment of an assay system for the detection of translated materials of T-cell-replacing factor mRNA in Xenopus oocytes. Tominaga A, et al. **Microbiol Immunol** 1986;30(8):789–98
Complementary DNA for a novel human interleukin (BSF-2) that induces B lymphocytes to produce immunoglobulin. Hirano T, et al. **Nature** 1986 Nov 6–12;324(6092):73–6
Identification of factors interacting with a subset of T8+ cells. Pini C, et al. **Riv Neurol** 1987 Jan–Feb;57(1):20–3
[Determination of lymphokine-induced cytolytic activity of macrophages by measuring the 3H-thymidine residue in prelabeled tumor cells] Seledtsov VI, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):503–5 (Eng. Abstr.) **(Rus)**
[Release of factors regulating antibody formation by mouse splenocytes and thymocytes] Bolko MG, et al. **Fiziol Zh** 1986 Sep–Oct;32(5):575–9 (Eng. Abstr.) **(Rus)**
[Leukocyte migration inhibiting factor in preparations of alpha and gamma interferons] Vakhromeeva NS, et al. **Vopr Virusol** 1986 Sep–Oct;31(5):617–9 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Modulation of the response to B-cell growth factor (BCGF) of hairy cells from a patient under IFN-alpha therapy [letter] Génot E, et al. **Blut** 1987 Jul;55(1):65–7
Inhibition of delayed hypersensitivity reactions by a new agent, cis-1-methyl-4-isohexylcyclohexane carboxylic acid (IG-10)—II. The mechanism regarding the action on lymphokines. Nakatomi I, et al. **Int J Immunopharmacol** 1987;9(2):243–53
Interferon-gamma suppresses B cell stimulation factor (BSF-1) induction of class II MHC determinants on B cells. Mond JJ, et al. **J Immunol** 1986 Dec 1;137(11):3534–7
Reactivation of herpes simplex virus is associated with production of a low molecular weight factor that inhibits lymphokine activity in vitro. Sheridan JF, et al. **J Immunol** 1987 Feb 15;138(4):1234–9

BIOSYNTHESIS

Effect of elevated temperature on human immunoglobulin synthesis, lymphokine production and lymphocyte proliferation in vitro. Närvänen O, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1986 Dec; 94(6):239–44
Modulation of immune response and tumor development in tumor-bearing mice treated by the thymic factor thymostimulin. Klein AS, et al. **Cancer Res** 1987 Jul 1; 47(13):3351–6
Lymphokine production by mitogen and antigen activated mouse intraepithelial lymphocytes. Dillon SB, et al. **Cell Immunol** 1986 Dec;103(2):326–38
Independent regulation of B-cell inducing factor and IL-2 production by T lymphocytes, and direct and indirect promotion of immunoglobulin secretion by glucocorticosteroid. Jeong G, et al. **Cell Immunol** 1986 Nov;103(1):199–206
Functional analysis of antigen-nonspecific T-cell suppression. I. Effect of mitogen-induced T suppressor cells on helper-T-cell clones. Sheehan KC, et al. **Cell Immunol** 1987 Sep;108(2):269–82
Characterization of three different rat T-cell clones with specificity to Listeria monocytogenes: phenotype, specific proliferation, lymphokine production, and protective capacity in vivo. Stolpmann RM, et al. **Cell Immunol** 1986 Sep;101(2):548–57
The regulation of tissue eosinophilia. V. Induction of lymphocyte-derived eosinophil chemotactic inhibitory factor production by a macrophage product from complete Freund's adjuvant-treated guinea pigs. Tashiro K, et al. **Cell Immunol** 1987 Jan;104(1):1–11
Stimulating and differentiation factors for human B lymphocytes in systemic lupus erythematosus. Martinez-Cordero E, et al. **Clin Exp Immunol** 1986 Sep; 65(3):598–604
Spontaneous production of B cell growth factors by SLE lymphocytes. Pelton BK, et al. **Clin Exp Immunol** 1987 Jan;67(1):159–66
Increased production of an interleukin 1 (IL-1) inhibitor with fibroblast stimulating activity by mononuclear cells from patients with scleroderma. Sandborg CI, et al. **Clin Exp Immunol** 1986 Nov;66(2):312–9
Interleukin 1 inhibitor masks high interleukin 1 production in acquired immunodeficiency syndrome (AIDS). Berman MA, et al. **Clin Immunol Immunopathol** 1987 Jan; 42(1):133–40
Human cell lines secreting lymphokines. I. Establishment of T-T hybridomas. Epstein N, et al. **Dev Biol Stand** 1987; 66:439–46
Human cell lines secreting lymphokines. II. BCGF production by a T hybridoma and B cell lines. Gozes Y, et al. **Dev Biol Stand** 1987;66:447–55
A chemokinetic factor in the carp Cyprinus carpio. Howell CJ. **Dev Comp Immunol** 1987 Winter;11(1):139–46
Constitutive production of B cell differentiation factor-like activity by human T and B cell lines. Kanowith-Klein S, et al. **Eur J Immunol** 1987 May;17(5):593–8
Supplemental zinc (Zn2+) restores antibody formation in cultures of aged spleen cells. II. Effects on mediator production. Winchurch RA, et al. **Eur J Immunol** 1987 Jan;17(1):127–32
The capacity of lymphokine production by peripheral blood lymphocytes from aged humans. Chen WF, et al. **Immunol Invest** 1986 Oct;15(6):575–83
Histamine releasing activity (HRA) produced by leukocytes co-cultured with tumor cells. Langford MP, et al. **Immunol Invest** 1987 Apr;16(2):129–38
Human T cell subsets differ in their ability to migrate in vitro and to produce T cell migration inhibitory factor. Kowalczyk D, et al. **Immunol Lett** 1986 Aug;13(1–2):33–8
Resistance to Mycobacterium lepraemurium is correlated with the capacity to generate macrophage activating factor(s) in response to mycobacterial antigens in vitro. Brett SJ, et al. **Immunology** 1986 Nov;59(3):339–45
The human bladder carcinoma line T-24 secretes a human B-cell differentiation factor. Christie JF, et al. **Immunology** 1987 Mar;60(3):467–9
In vitro production of IgE-binding factors by human mononuclear cells. Delespesse G, et al. **Immunology** 1987 Jan;60(1):103–10
Granulocyte-macrophage colony-stimulating factor enhances the production of eosinophil chemotactic lymphokine by egg-associated granulomas of Schistosoma japonicum-infected mice. Owhashi M, et al. **Infect Immun** 1987 Sep;55(9):2042–6
Eosinophil chemotactic lymphokine produced by egg-associated granulomas in murine schistosomiasis japonicum. Owhashi M, et al. **Infect Immun** 1986 Dec; 54(3):723–7
Effects of cyclophosphamide treatment and gamma irradiation of SJL mice on the IgE antibody response and the nature of IgE-binding factors. Akasaki M, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):417–8
Antigen-induced formation of a lymphokine with a possible role as a mediator of the late component of dual allergic reaction. Ezeamuzie IC, et al. **Int Arch Allergy Appl Immunol** 1987;82(2):221–4
Lymphokine production by T cells generated during infection with Trichinella spiralis. Grencis RK, et al. **Int Arch Allergy Appl Immunol** 1987;83(1):92–5
Acetylspiramycin and the immune system—II. Effects on lymphocyte proliferation, lymphokine production, delayed-type hypersensitivity and antibody production. Li SY, et al. **Int J Immunopharmacol** 1986;8(6):657–64
Beta-lactam antibiotics and human lymphocyte function: the in vitro effect on blastogenesis, lymphokine production and suppressor cell functions. Rouveix B, et al. **Int J Immunopharmacol** 1987;9(5):567–75
Induction of granuloma-dependent angiotensin-converting enzyme and eosinophil chemotactic factor in the skin of athymic nude mice. Kanazawa K, et al. **J Cell Biochem** 1987 May;34(1):61–9
A case of human B cell leukemia that implicates an autocrine mechanism in the abnormal growth of Leu 1 B cells. Kawamura N, et al. **J Clin Invest** 1986 Nov;78(5):1331–8
Parasite-specific anergy in human filariasis. Insights after analysis of parasite antigen-driven lymphokine production. Nutman TB, et al. **J Clin Invest** 1987 May;79(5):1516–23
Steroid-sensitive mechanism of soluble immune response suppressor production in steroid-responsive nephrotic syndrome. Schnaper HW, et al. **J Clin Invest** 1987 Jan; 79(1):257–64
The effect of corticosteroids and other antineoplastic agents on the generation of leukocyte migration inhibition factor. Li J, et al. **J Clin Lab Immunol** 1987 Jan;22(1):13–7
Pertussigen in vivo enhances antigen-specific production in vitro of lymphokine that stimulates macrophage procoagulant activity and plasminogen activator. de Moerloose PA, et al. **J Immunol** 1986 Dec 1; 137(11):3528–33
Production of BSF-1 during an in vivo, T-dependent immune response. Finkelman FD, et al. **J Immunol** 1986 Nov 1;137(9):2878–85
A quantitative analysis of antigen-triggered lymphokine production by activated T cells. Gill RG, et al. **J Immunol** 1987 Feb 15;138(4):1130–6
Interleukin 1 modulates messenger RNA levels of lymphokines and of other molecules associated with T cell activation in the T cell lymphoma LBRM33-1A5. Hagiwara H, et al. **J Immunol** 1987 Apr 15;138(8):2514–9
Molecular mechanisms involved in T cell activation. I. Evidence for independent signal-transducing pathways in lymphokine production vs proliferation in cloned cytotoxic T lymphocytes. Harris DT, et al. **J Immunol** 1987 Jan 15; 138(2):600–5
Molecular mechanisms involved in T cell activation. II. The phosphatidylinositol signal-transducing mechanism mediates antigen-induced lymphokine production but not interleukin 2-induced proliferation in cloned cytotoxic T lymphocytes. Kozumbo WJ, et al. **J Immunol** 1987 Jan 15;138(2):606–12
The induction of lymphokine synthesis and cell growth in IL 3-dependent cell lines using antigen-antibody complexes. Le Gros GS, et al. **J Immunol** 1987 Jul 15; 139(2):422–8
Interleukin 2 inhibits antigen-stimulated lymphokine synthesis in helper T cells by inhibiting calcium-dependent signalling. Otten G, et al. **J Immunol** 1987 Aug 15; 139(4):1348–53
Lymphokine synthesis is induced in human thymocytes by activation of the CD 2 (T11) pathway. Reem GH, et al. **J Immunol** 1987 Jul 1;139(1):130–4
A role for histamine type II (H-2) receptor binding in production of the lymphokine, soluble immune response suppressor (SIRS). Schnaper HW, et al. **J Immunol** 1987 Aug 15;139(4):1185–90
The effect of hydrocortisone on the production of gamma-interferon and other lymphokines by human peripheral blood mononuclear cells. Cesario TC, et al. **J Interferon Res** 1986 Aug;6(4):337–47
Lichenoid tissue reaction (LTR) induced by local transfer of Ia-reactive T-cell clones. II. LTR by epidermal invasion of cytotoxic lymphokine-producing autoreactive T cells. Shiohara T, et al. **J Invest Dermatol** 1987 Jul;89(1):8–14
Specific lymphokine responses in cervical nodes of patients with laryngeal cancer. Cortesina G, et al. **Laryngoscope** 1987 Jul;97(7 Pt 1):843–7
The effect of in vivo hyperthermia on selected lymphokines in man. Downing JF, et al. **Lymphokine Res** 1987 Spring; 6(2):103–9
Constitutive production of a non-interferon macrophage activating factor by HTLV-transformed T cells. Lee JC. **Lymphokine Res** 1986;5 Suppl 1:S127–32
Induction of lymphokine synthesis in peripheral blood mononuclear cells with phorbol ester and calcium ionophore allows precise measurement of individual variations in capacity to produce IL 2. Monner DA, et al. **Lymphokine Res** 1986;5 Suppl 1:S67–73
Age-associated changes in proliferative and differentiative response of human B cells and production of T cell-derived factors regulating B cell functions. Hara H, et al. **Mech Ageing Dev** 1987 May;38(3):245–58
Establishment of a human T-cell hybridoma that produces human macrophage activating factor for superoxide production and translation of messenger RNA of the factor in Xenopus laevis oocyte. Miyamoto D, et al. **Mol Immunol** 1987 Mar;24(3):239–45

Presence of preactivated T cells in hemodialyzed patients: their possible role in altered immunity. Chatenoud L, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7457–61

Evaluation of the in vitro production of interferon gamma and other lymphokines in uremic patients. Yousefi S, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):179–85

Mitogen induced LIF-production in T-lymphocyte subpopulations. Aguilar-Santelises M, et al. **Rev Latinoam Microbiol** 1987 Jan-Mar;29(1):21–5

Development of optimal conditions for lymphokine production by chicken lymphocytes. Weiler H, et al. **Vet Immunol Immunopathol** 1987 Mar;14(3):257–67

[Production of LIF and gamma interferon in patients with ragweed-induced allergic rhinosinusitis] Sartoris A, et al. **Acta Otorhinolaryngol Ital** 1986 Nov-Dec;6(6):613–8 (Eng. Abstr.) **(Ita)**

BLOOD

IgE synthesis in vitro: attempt to isolate stimulating factors. De la Parra B, et al. **Allergy** 1986 Aug;41(6):393–7

Leukocyte-derived inhibitory activity in patients with myelodysplastic syndrome. Cukrová V, et al. **Blut** 1987 Sep;55(3):165–71

Complement-dependent hematopoietic inhibitors in the sera of patients with aplastic anemia and paroxysmal nocturnal hemoglobinuria. Takahashi M. **Int J Cell Cloning** 1987 May; 5(3):242–54

A chemotactic inhibitory factor in the minimal change nephrotic syndrome. Lin CY, et al. **Int J Pediatr Nephrol** 1986 Oct-Dec;7(4):191–6

Further studies on the mechanism of CFU-S determination—I. Pluripoietin(s) responsible for CFU-S determination toward granulopoiesis after fractionated doses of Ara-C. Lauret E, et al. **Leuk Res** 1987;11(3):291–5

[Detection of the cholestatic factor in the serum of patients with acute intrahepatic cholestasis by ELISA] Kioka K. **Nippon Shokakibyo Gakkai Zasshi** 1987 Mar;84(3):773 **(Jpn)**

DEFICIENCY

Defect in production of B cell differentiation factor-like activity by mononuclear cells from a boy with hypogammaglobulinemia. Matheson DS, et al. **J Immunol** 1987 Apr 15;138(8):2469–72

GENETICS

B cell stimulatory factor-1/interleukin-4 mRNA is expressed by normal and transformed mast cells. Brown MA, et al. **Cell** 1987 Aug 28;50(5):809–18

In vitro translation of B-cell stimulatory factor-1 in Xenopus laevis oocytes. Brown MA, et al. **Cell Immunol** 1986 Apr 1;98(2):538–43

Alpha-type B cell growth factor and complement component C3: their possible structural relationship. Lernhardt W, et al. **Curr Top Microbiol Immunol** 1986;132:98–104

B cell growth modulating and differentiating activity of recombinant human 26-kd protein (BSF-2, HuIFN-beta 2, HPGF). Poupart P, et al. **EMBO J** 1987 May; 6(5):1219–24

Activation of lymphokine genes during stimulation of cloned T cells. Herold KC, et al. **Eur J Immunol** 1986 Dec; 16(12):1533–8

Distinct signals are required for proliferation and lymphokine gene expression in murine T cell clones. Heckford SE, et al. **J Immunol** 1986 Dec 1;137(11):3652–63

Cloning of cDNA for human T-cell replacing factor (interleukin-5) and comparison with the murine homologue. Azuma C, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):9149–58

Structural analysis of the mouse chromosomal gene encoding interleukin 4 which expresses B cell, T cell and mast cell stimulating activities. Otsuka T, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):333–44

Potentiating and suppressive IgE-binding factors are expressed by a single cloned gene. Martens CL, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):809–13

Epstein-Barr virus nuclear antigen 2 specifically induces expression of the B-cell activation antigen CD23. Wang F, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3452–6

Functional interaction and partial homology between human immunodeficiency virus and neuroleukin. Lee MR, et al. **Science** 1987 Aug 28;237(4818):1047–51

Human beta 2 interferon and B-cell differentiation factor BSF-2 are identical. Sehgal PB, et al. **Science** 1987 Feb 13;235(4790):731–2

Molecular cloning and expression of a human B-cell growth factor gene in Escherichia coli. Sharma S, et al. **Science** 1987 Mar 20;235(4795):1489–92

[Molecular cloning of cDNAs encoding B-cell growth factors] Yaoita Y, et al. **Gan To Kagaku Ryoho** 1987 Jun; 14(6 Pt 2):2063–70 (Eng. Abstr.) **(Jpn)**

[Interleukin 4—special reference to the cloning of genes] Naito T, et al. **Nippon Rinsho** 1986 Aug;44(8):1892–901 (20 ref.) **(Jpn)**

IMMUNOLOGY

Delineation of human B cell differentiation: immunological and molecular characterization of human B cell differentiation factor (BSF-2). Kishimoto T, et al. **Adv Exp Med Biol** 1987;213:177–88

B lymphocyte activation. The roles of receptor cross-linkage and BSF-1. Paul WE, et al. **Adv Exp Med Biol** 1987; 213:207–14

IgG1 induction factor: a single molecular entity with multiple biological functions. Sideras P, et al. **Adv Exp Med Biol** 1987;213:227–36

B cell growth factor interactions. Swain SL, et al. **Adv Exp Med Biol** 1987;213:215–25

IL-2 receptor gene activation by ATL-derived factor (ADF). Yodoi J, et al. **Adv Exp Med Biol** 1987;213:139–48

The neuropsychiatric effects of treatment with interleukin-2 and lymphokine-activated killer cells. Denicoff KD, et al. **Ann Intern Med** 1987 Sep;107(3):293–300

CD5 positive B cells in patients with rheumatoid arthritis: phorbol ester mediated enhancement of detection. Youinou P, et al. **Ann Rheum Dis** 1987 Jan;46(1):17–22

Generation of lymphokine-activated killer cells in strain 2 guinea pigs and their use in the therapy of L2C, an acute B-cell leukemia. Gregg EO, et al. **Cancer Res** 1987 Feb 1;47(3):723–9

Defects in tumor cell immunogenicity: lymphokine signals in in vitro cytolytic responses to tumor alloantigens. Ashley MP, et al. **Cell Immunol** 1987 Apr 15;106(1):151–62

B-lymphocyte regulation of the immune system. III. Preparation and characterization of rabbit antibodies that inhibit the biological activity of the lymphokine, B-cell-derived enhancing factor (BEF). Del Guercio P, et al. **Cell Immunol** 1986 Apr 1;98(2):333–40

Supernatant from a cloned helper T cell stimulates resting B cells to express transferrin and IL-2 receptors. Diu A, et al. **Cell Immunol** 1987 Jul;107(2):471–8

Soluble factors in tolerance and contact sensitivity to DNFB in mice. VII. Characterization of a monoclonal, efferent-acting suppressor factor with specificity for DNP/H-2Kd. Fairchild RL, et al. **Cell Immunol** 1987 Mar; 105(1):147–60

Macrophage activation factor from EL-4, a murine T-cell line: antigenic characterization by hamster monoclonal antibodies to murine interferon-gamma. Meltzer MS, et al. **Cell Immunol** 1987 Jul;107(2):340–7

Immunotherapy of intraperitoneal cancer with interleukin 2 and lymphokine-activated killer cells reduces tumor load and prolongs survival in murine models. Ottow RT, et al. **Cell Immunol** 1987 Feb;104(2):366–76

Dissociation of protective immunity against tuberculosis and tuberculin hypersensitivity at a level of lymphokines. Hashimoto T, et al. **Dev Biol Stand** 1986;58 (Pt B):553–9

The activation antigen BLAST-2, when shed, is an autocrine BCGF for normal and transformed B cells. Swendeman S, et al. **EMBO J** 1987 Jun;6(6):1637–42

Expression of a B-lymphoid differentiation antigen (CD 19) on acute non-lymphoblastic leukaemia cells. Campos L, et al. **Eur J Haematol** 1987 Mar;38(3):220–4

2.4G2, a monoclonal antibody to macrophage Fc gamma receptors, reacts with murine T cell Fc gamma receptors and IgG-binding factors. Daëron M, et al. **Eur J Immunol** 1986 Dec;16(12):1545–50

A spleen cell derived factor imparts resistance to NK cell mediated lysis in a mouse lymphoma cell line. Saxena RK. **Immunol Lett** 1987 Jun;15(2):105–8

T-24.B-cell differentiation factor induces immunoglobulin secretion in human B cells without prior cell replication. Gallagher G, et al. **Immunology** 1987 Apr;60(4):523–9

Monoclonal antibody NIM-R3 substitutes for B-cell growth factor. Greenwood MR, et al. **Immunology** 1986 Sep; 59(1):7–13

The mechanism of action of the factor in leprosy serum that inhibits the growth of mitogen-stimulated normal human lymphocytes. Hussein YM, et al. **Immunology** 1987 Jun; 61(2):125–9

Inhibitory mechanism of the proliferative response of B lymphocytes: suppression of the proliferation induced by anti-mu antibody and BSF1 by immune complexes. Miyama-Inaba M, et al. **Immunology** 1987 May;61(1):43–50

The effects of Con A-induced lymphokines from the T-lymphocyte subpopulations on human monocyte leishmanicidal capacity and H2O2 production. Passwell JH, et al. **Immunology** 1986 Oct;59(2):245–50

Presence of antigenic determinants common to Fc IgE receptors on human macrophages, T and B lymphocytes and IgE-binding factors. Sarfati M, et al. **Immunology** 1986 Dec;59(4):569–75

Induction of a macrophage-suppressive lymphokine by soluble cryptococcal antigens and its association with models of immunologic tolerance. Blackstock R, et al. **Infect Immun** 1987 Jan;55(1):233–9

Role of myeloperoxidase in the killing of Naegleria fowleri by lymphokine-altered human neutrophils. Ferrante A, et al. **Infect Immun** 1987 May;55(5):1047–50

T cell factors involved in the regulation of the IgE synthesis. Ishizaka K, et al. **Int Arch Allergy Appl Immunol** 1987; 82(3–4):383–8 (14 ref.)

T-cell surface molecules involved in the induction and expression of lymphokine-activated killing of autologous and allogeneic tumor targets. Nashed AL, et al. **J Clin Immunol** 1987 Jul;7(4):288–93

Treatment of acute myeloid leukemia cells in vitro with a monoclonal antibody recognizing a myeloid differentiation antigen allows normal progenitor cells to be expressed. Bernstein ID, et al. **J Clin Invest** 1987 Apr;79(4):1153–9

Lymphokine-activated killer (LAK) cells. II. Delineation of distinct murine LAK-precursor subpopulations. Ballas ZK, et al. **J Immunol** 1987 Mar 1;138(5):1647–52

Soluble factors in tolerance and contact sensitivity to DNFB in mice. VI. Cellular and lymphokine requirements for stimulating suppressor factor production in vitro. Fairchild RL, et al. **J Immunol** 1986 Oct 1;137(7):2125–31

Serologic heterogeneity in I-J determinants associated with functionally distinct T cell regulatory factors. Flood PM, et al. **J Immunol** 1986 Oct 1;137(7):2237–44

Cytotoxic lymphokines produced by cloned human cytotoxic T lymphocytes. II. A novel CTL-produced cytotoxin that is antigenically distinct from tumor necrosis factor and alpha-lymphotoxin. Green LM, et al. **J Immunol** 1986 Dec 1;137(11):3488–93

Monoclonal antibody specific for T cell-derived human IgE binding factors. Kisaki T, et al. **J Immunol** 1987 May 15; 138(10):3345–51

Augmentation of normal and malignant B cell proliferation by monoclonal antibody to the B cell-specific antigen BP50 (CDW40). Ledbetter JA, et al. **J Immunol** 1987 Feb 1; 138(3):788–94

Characterization of a factor produced by human T cell clones exhibiting eosinophil-activating and burst-promoting activities. Moreau JF, et al. **J Immunol** 1987 Jun 1; 138(11):3844–9

Species-specificity of T cell stimulating activities of IL 2 and BSF-1 (IL 4): comparison of normal and recombinant, mouse and human IL 2 and BSF-1 (IL 4). Mosmann TR, et al. **J Immunol** 1987 Mar 15;138(6):1813–6

Demonstration that human B cells respond differently to interleukin 2 and B cell differentiation factor based on their stages of maturation. Nakagawa T, et al. **J Immunol** 1986 Nov 15;137(10):3175–82

Idiotype-specific Ly-1 B cell-mediated helper activity: hybridomas that produce anti-idiotype antibody and nonimmunoglobulin lymphokine(s)1. Sherr DH, et al. **J Immunol** 1987 Apr 1;138(7):2057–62

IgE-enhancing activity directly and selectively affects activated B cells: evidence for a human IgE differentiation factor. Sherr EH, et al. **J Immunol** 1987 Jun 1; 138(11):3836–43

Anti-tumor activity of class II MHC antigen-restricted cloned autoreactive T cells. I. Destruction of B16 melanoma cells mediated by bystander cytolysis in vitro. Shiohara T, et al. **J Immunol** 1987 Mar 15;138(6):1971–8

IL 1 induction by murine T cell clones: detection of an IL 1-inducing lymphokine. Takacs L, et al. **J Immunol** 1987 Apr 1;138(7):2124–31

Requirement for three distinct lymphokines for the induction of cytotoxic T lymphocytes from thymocytes. Takai Y, et al. **J Immunol** 1986 Dec 1;137(11):3494–500

Adoptive immunotherapy of human meningeal gliomatosis and carcinomatosis with LAK cells and recombinant interleukin-2. Shimizu K, et al. **J Neurosurg** 1987 Apr; 66(4):519–21

Modulation of IgE synthesis by IgE-binding factors released by T cells of asthmatic patients with elevated serum IgE. Yanagihara Y, et al. **Microbiol Immunol** 1987;31(3):261–74

Treatment of cancer with lymphokine-activated killer cells and interleukin-2 [letter] **N Engl J Med** 1987 Oct 8; 317(15):961–3

Low susceptibility of choriocarcinoma cell lines to lymphokine-activated killer (LAK) cells. Koyama M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Nov; 38(11):2091–2

Interleukin 4 mediates autocrine growth of helper T cells after antigenic stimulation. Fernandez-Botran R, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9689–93

Suppression of in vivo polyclonal IgE responses by monoclonal antibody to the lymphokine B-cell stimulatory factor 1. Finkelman FD, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9675–8

Production of a monoclonal antibody useful in the molecular characterization of murine T-cell-replacing factor/B-cell growth factor II. Harada N, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4581–5

In vitro modulation of antigen-primed T cells by a glycosylation-inhibiting factor that regulates the formation of antigen-specific suppressive factors. Iwata M, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2444–8

B-cell stimulatory factor 1 and not interleukin 2 is the autocrine growth factor for some helper T lymphocytes. Lichtman AH, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(3):824–7

Interleukin 5, a T-cell-derived B-cell differentiation factor also induces cytotoxic T lymphocytes. Takatsu K, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4234–8

Laparotomy enhances intraperitoneal tumor growth and abrogates the antitumor effects of interleukin-2 and lymphokine-activated killer cells. Eggermont AM, et al. **Surgery** 1987 Jul;102(1):71–8

Expression of HLA antigens on renal tubular cells in culture. I. Evidence that mixed lymphocyte culture supernatants and gamma interferon increase both class I and class II HLA antigens. Bishop GA, et al. **Transplantation** 1986 Dec; 42(6):671–9

[Lymphokines, interleukins, cytokines: function and action] Kaufmann SH. **Immun Infekt** 1987 Jul;15(4):127–34 (33 ref.) (Eng. Abstr.) **(Ger)**

[Intrahepatic cholestasis: modulation by immunological factors?] Marbet UA, et al. **Schweiz Med Wochenschr** 1986 Jul 19;116(29):969–70 (Eng. Abstr.) **(Ger)**

[Experimental approach to immunotherapy in head and neck

malignant tumors—antitumor efficacy by lymphokine activated human peripheral blood lymphocytes] Takeda T. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Jun;89(6):744–53 (Eng. Abstr.) **(Jpn)**

[Characteristics of the activation of oxygen-dependent metabolism of neutrophils by lymphokines in newborn infants with acute respiratory diseases (ARD) and pneumonia] Pikuza OI, et al. **Pediatriia** 1986 Jul;(7):27–9 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

New strategy for immunomodulation by ex vivo removal of an interleukin-2 inhibitor. Matsuoka J, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):71–5

Two potent central convulsant peptides, a bee venom toxin, the MCD peptide, and a snake venom toxin, dendrotoxin I, known to block K+ channels, have interacting receptor sites. Bidard JN, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):383–9

Characterization of a low molecular weight suppressor of lymphocyte proliferation from guinea pig L2C leukemia cells. Collins DP, et al. **Cell Immunol** 1987 Apr 1; 105(2):397–410

Identification of a major 50-kDa molecular weight human B-cell growth factor with Tac antigen-inducing activity on B cells. Kawano M, et al. **Cell Immunol** 1987 Aug; 108(1):132–49

Induction of T-cell proliferation and enhancement of NK activity by supernatants from Con A-stimulated human peripheral blood mononuclear cells: a new lymphokine. Rosloniec EF Jr, et al. **Cell Immunol** 1986 Apr 15; 99(1):170–81

The regulation of tissue eosinophilia. IV. Purification and properties of eosinophil-directed chemotactic inhibitory factors from complete Freund's adjuvant-treated guinea pigs. Tashiro K, et al. **Cell Immunol** 1986 Apr 1; 98(2):245–56

Purification and partial biochemical characterization of IgE-binding factors secreted by a human B lymphoblastoid cell line. Sarfati M, et al. **Immunology** 1987 Apr; 60(4):539–45

Human T hybridoma-derived immunoglobulin-binding factors. Stadler BM, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):405–7

Comparative chromatography of lectins and bioactivity recovery of the immunologic hormone leukoregulin on derivatized silica and on cross-linked agarose molecular sizing high-performance liquid chromatographic matrices. Evans CH, et al. **J Chromatogr** 1987 Mar 25;390(2):391–400

Characterization of regulatory (interferon-alpha/beta) and accessory (LAF/IL 1) monokine activities from liver granuloma macrophages of Schistosoma mansoni-infected mice. Elliott DE, et al. **J Immunol** 1987 Apr 15; 138(8):2653–62

Characterization of a novel murine T cell-activating factor. Garman RD, et al. **J Immunol** 1987 Feb 15;138(4):1121–9

Purification and NH2-terminal sequence of a plasmacytoma growth factor derived from the murine macrophage cell line P388D1. Nordan RP, et al. **J Immunol** 1987 Aug 1; 139(3):813–7

High-efficiency purification and chemical characterization of B cell stimulatory factor-1/interleukin 4. Ohara J, et al. **J Immunol** 1987 Aug 15;139(4):1127–34

Characterization and purification of mouse macrophage procoagulant-inducing factor. Ryan J, et al. **J Immunol** 1986 Nov 1;137(9):2864–70

B cell surface glycoprotein induced during growth response: molecular structure and expression pattern. Southern SO, et al. **J Immunol** 1987 Apr 15;138(8):2568–75

Identity of differentiation inducing factor and tumour necrosis factor. Takeda K, et al. **Nature** 1986 Sep 25–Oct 1;323(6086):338–40

Human B-cell differentiation factor defined by an anti-peptide antibody and its possible role in autoantibody production. Hirano T, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):228–31

Purification and NH2-terminal amino acid sequence of a T-cell-derived lymphokine with growth factor activity for B-cell hybridomas. Van Snick J, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9679–83

Purification of an IgM antibody response-enhancing factor to the alpha 1–6 epitope of native dextran from serum and supernatants from T-cell hybridomas. Pasanen VJ, et al. **Scand J Immunol** 1987 May;25(5):431–40

[Isolation and testing of factors affecting macrophage and leukocyte migration] Gankovskaia LV, et al. **Lab Delo** 1986;(10):612–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Human alpha 1-acid glycoprotein-exposed macrophages release interleukin 1 inhibitory activity. Bories PN, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):710–5

Detection of the cholestatic factor in the liver tissue of patients with acute intrahepatic cholestasis. Mizoguchi Y, et al. **Gastroenterol Jpn** 1987 Jun;22(3):331–6

The magnitude of the spontaneous production of histamine-releasing factor (HRF) by lymphocytes in vitro correlates with the state of bronchial hyperreactivity in patients with asthma. Alam R, et al. **J Allergy Clin Immunol** 1987 Jan;79(1):103–8

Polyclonal B cell activation by a B cell differentiation factor, B151-TRF2. II. Evidence for interaction of B151-TRF2 with glycoprotein on B cell membrane via recognition of terminal N-acetyl-D-glucosamine residue(s). Katoh Y, et al. **J Immunol** 1986 Nov 1;137(9):2871–7

Characterization of the cell surface receptors for human B cell growth factor of 12,000 molecular weight. Mehta SR, et al. **J Immunol** 1986 Oct 1;137(7):2210–4

Detection of receptors for murine B cell stimulatory factor 1 (BSF1): presence of functional receptors on CBA/N splenic B cells. Nakajima K, et al. **J Immunol** 1987 Aug 1;139(3):774–9

Relationship between human IgE-binding factors (IgE-BF) and lymphocyte receptors for IgE. Nakajima T, et al. **J Immunol** 1987 Aug 1;139(3):848–54

IgM binding protein expressed by activated B cells. Sanders SK, et al. **J Immunol** 1987 Jul 1;139(1):188–93

The elaboration of a small molecular weight cytostatic factor by lymphoblastoid lines and activated lymphocytes. Antonia SJ, et al. **Lymphokine Res** 1986 Fall;5(4):301–12

Cloning of complementary DNA encoding T-cell replacing factor and identity with B-cell growth factor II. Kinashi T, et al. **Nature** 1986 Nov 6–12;324(6092):70–3

Receptors for B-cell stimulatory factor-1 expressed on cells of haematopoietic lineage. Ohara J, et al. **Nature** 1987 Feb 5–11;325(6104):537–40

Uromodulin (Tamm-Horsfall glycoprotein): a renal ligand for lymphokines. Hession C, et al. **Science** 1987 Sep 18; 237(4821):1479–84

[T-lymphocytosis and lymphokines in bronchoalveolar lavage fluid of a gold salt-induced pneumonitis] Ikeda S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Nov; 24(11):1258–65 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

The thyroid microenvironment in autoimmune thyroid disease: effects of TSH and lymphokines on thyroid lymphocytes and thyroid cells. McLachlan SM, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:125–32

Histamine release from mast cells of various species induced by histamine releasing factor from human lymphocytes. Brzezińska-Blaszczyk E, et al. **Agents Actions** 1987 Jun; 21(1–2):26–31

In vitro inhibition of macrophage spreading by antigens and lymphokines: correlation with the footpad test and kinetics of inhibition. Mažuran R, et al. **Ann Inst Pasteur Immunol** 1987 Mar–Apr;138(2):201–11

In vitro studies on the interaction of human monocytes and the monocyte locomotion inhibitory factor produced by E. histolytica. Kretschmer R, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:243–6

Hematologic effects of immunotherapy with lymphokine-activated killer cells and recombinant interleukin-2 in cancer patients. Ettinghausen SE, et al. **Blood** 1987 Jun;69(6):1654–60

T lymphocyte-derived differentiation-inducing factor inhibits proliferation of leukemic and normal hemopoietic cells. Gullberg U, et al. **Blood** 1986 Dec;68(6):1333–8

Effects of B cell stimulatory factor-1/interleukin 4 on hematopoietic progenitor cells. Peschel C, et al. **Blood** 1987 Jul;70(1):254–63

Low molecular weight B cell growth factor induces proliferation of human B cell precursor acute lymphoblastic leukemias. Wörmann B, et al. **Blood** 1987 Jul;70(1):132–8

Eosinophil production in human bone-marrow cultures induced by 80–85 kDa serum component(s) of patients with eosinophilia. Kern P, et al. **Br J Haematol** 1987 Jun; 66(2):165–72

The requirements for successful immunotherapy of intraperitoneal cancer using interleukin-2 and lymphokine-activated killer cells. Ottow RT, et al. **Cancer** 1987 Oct 1;60(7):1465–73

Effect of recombinant monokines, lymphokines, and other agents on clonal proliferation of human lung cancer cell lines. Munker M, et al. **Cancer Res** 1987 Aug 1; 47(15):4081–5

Antitumor efficacy of lymphokine-activated killer cells and recombinant interleukin 2 in vivo: successful immunotherapy of established pulmonary metastases from weakly immunogenic and nonimmunogenic murine tumors of three district histological types. Papa MZ, et al. **Cancer Res** 1986 Oct;46(10):4973–8

Separation and functional studies of the human lymphokine-activated killer cell. Roberts K, et al. **Cancer Res** 1987 Aug 15;47(16):4366–71

Modulation of B16 melanoma antigen expression by lymphokines and dimethyl sulfoxide. Trimpe KL, et al. **Cancer Res** 1986 Oct;46(10):4953–9

Induction of lymphokine-activated killer cells by intrapleural instillations of recombinant interleukin-2 in patients with malignant pleurisy due to lung cancer. Yasumoto K, et al. **Cancer Res** 1987 Apr 15;47(8):2184–7

Induction of lymphokine-activated killer cells in strain 2 guinea pigs with human interleukin-2. Zwilling BS, et al. **Cancer Res** 1986 Nov;46(11):5667–70

Heterogeneity of B-cell growth factor receptor reactivity in healthy donors and in patients with chronic lymphatic leukemia: relationship to B-cell-derived lymphokines. Benjamin D, et al. **Cell Immunol** 1986 Dec;103(2):394–408

Cytotoxic studies in human newborns: lessened allogeneic cell-induced (augmented) cytotoxicity but strong lymphokine-activated cytotoxicity of cord mononuclear cells. Chin TW, et al. **Cell Immunol** 1986 Dec;103(2):241–51

Inhibition of postbinding target cell lysis and of lymphokine-induced enhancement of human natural killer cell activity by in vitro exposure to ultraviolet B radiation. Elmets CA, et al. **Cell Immunol** 1987 Jan;104(1):47–58

Induction, maintenance, and reinduction of tumoricidal activity in bone-marrow-derived mononuclear phagocytes by macrophage-activating lymphokines. Keller R, et al. **Cell Immunol** 1986 Sep;101(2):659–66

Similarities and distinctions between murine natural killer cells and lymphokine-activated killer cells. Merluzzi VJ, et al. **Cell Immunol** 1986 Jul;100(2):563–9

Phenotypic characterization of murine lymphokine-activated killer cells. Owen-Schaub LB, et al. **Cell Immunol** 1986 Dec;103(2):272–86

Regulation of the cytotoxic activity of alloreactive cytotoxic T lymphocytes by helper cells and lymphokines. Ting CC, et al. **Cell Immunol** 1986 Sep;101(2):299–311

Differential expression of asialo GM1 on alloreactive cytotoxic T lymphocytes and lymphokine-activated killer cells. Ting CC, et al. **Cell Immunol** 1987 Jan;104(1):115–25

Cytotoxic cell function in bronchogenic carcinoma. Kratikanont P, et al. **Chest** 1987 Jul;92(1):90–4

The effects of eosinophil activating factor on IgG-dependent sulphidopeptide leukotriene generation by human eosinophils. Fitzharris P, et al. **Clin Exp Immunol** 1986 Dec; 66(3):673–80

Neuropsychiatrically active lymphokines and AIDS. Bridge TP. **Clin Neuropharmacol** 1986;9 Suppl 4:473–5

Lymphokine regulation of murine IgE production. Coffman RL. **Curr Top Microbiol Immunol** 1986;132:127–32

Interleukin-4 (B cell growth factor-II/eosinophil differentiation factor) is a mitogen and differentiation factor for preactivated murine B lymphocytes. O'Garra A, et al. **Curr Top Microbiol Immunol** 1986;132:133–41

Expression of class I MHC proteins on RIN-m5F cells is increased by interferon-gamma and lymphokine-conditioned medium. Campbell IL, et al. **Diabetes** 1986 Nov;35(11):1225–8

Lymphokines. Progress and promise. Horohov DW, et al. **Drugs** 1987 Apr;33(4):289–95 (50 ref.)

Recombinant interleukin 4/BSF-1 promotes growth and differentiation of intrathymic T cell precursors from fetal mice in vitro. Palacios R, et al. **EMBO J** 1987 Jan;6(1):91–5

B cell hyperactivity in systemic lupus erythematosus: selectively enhanced responsiveness to a high molecular weight B cell growth factor. Delfraissy JF, et al. **Eur J Immunol** 1986 Oct;16(10):1251–6

Evidence for an association between CD23 and the receptor for a low molecular weight B cell growth factor. Gordon J, et al. **Eur J Immunol** 1986 Dec;16(12):1627–30

T cell nature of some lymphokine-activated killer (LAK) cells. Frequency analysis of LAK precursors within human T cell populations and clonal analysis of LAK effector cells. Moretta L, et al. **Eur J Immunol** 1986 Dec; 16(12):1623–5

A T cell clone which responds to interleukin 2 but not to interleukin 4. Müller W, et al. **Eur J Immunol** 1987 Apr; 17(4):579–80

Interleukin 4 (IgG1 induction factor): a multifunctional lymphokine acting also on T cells. Severinson E, et al. **Eur J Immunol** 1987 Jan;17(1):67–72

The response of selected human B cell lines to B cell growth and differentiation factors. Shields JG, et al. **Eur J Immunol** 1987 Apr;17(4):535–40

A comparison of eosinophil-activating factor (EAF) with other monokines and lymphokines. Thorne KJ, et al. **Eur J Immunol** 1986 Sep;16(9):1143–9

Different human B cell subsets respond to interleukin 2 and to a high molecular weight B cell growth factor (BCGF). Vazquez A, et al. **Eur J Immunol** 1986 Dec;16(12):1503–7

Altered morphology, growth, and biosynthetic activity of a type 2 pneumocyte-related cell strain induced by lymphokine-enriched supernatants of mitogen-stimulated spleen cells. Kumar RK, et al. **Exp Lung Res** 1986; 11(2):129–44

Recombinant human B cell stimulatory factor 2 (BSF-2/IFN-beta 2) regulates beta-fibrinogen and albumin mRNA levels in Fao-9 cells. Andus T, et al. **FEBS Lett** 1987 Aug 31;221(1):18–22

Effects of soluble products of activated lymphocytes and macrophages (lymphokines and monokines) on human sperm motion parameters. Hill JA, et al. **Fertil Steril** 1987 Mar;47(3):460–5

Effect of lymphokines on natural killer cytotoxicity in patients with high risk of developing the acquired immune deficiency syndrome. de la Barrera S, et al. **Immunol Lett** 1986 Nov 3;13(6):307–11

T cell derived IgE binding factors inhibit IgE-specific rosettes on basophilic leukaemic cells and lymphocytes. Firer MA, et al. **Immunol Lett** 1986 Aug;13(1–2):1–5

Xid mouse lymphocytes respond to TI-2 antigens when co-stimulated by TI-1 antigens or lymphokines. Couderc J, et al. **Immunology** 1987 May;61(1):71–6

Inhibitory mechanism of the proliferative responses of resting B cells: feedback regulation by a lymphokine (suppressive B-cell factor) produced by Fc receptor-stimulated B cells. Ohno T, et al. **Immunology** 1987 May;61(1):35–41

Activation of murine macrophages and a bovine monocyte cell line by bovine lymphokines to kill the intracellular pathogens Eimeria bovis and Toxoplasma gondii. Hughes HP, et al. **Infect Immun** 1987 Mar;55(3):784–91

Growth inhibition of Trypanosoma cruzi in cultured murine

myocardial cells mediated by a specifically induced lymphokine. Reyes L, et al. **Infect Immun** 1987 Jun; 55(6):1513–6

Generation of cell–derived factors in vitro which modulate IgE synthesis. Pfeiffer P, et al.
Int Arch Allergy Appl Immunol 1987;82(3–4):408–10

Glycoproteic nature of surface molecules of effector cells with lymphokine–activated killer (LAK) activity. Evidence that T11, T8 or T3 molecules are not involved in tumor–cell lysis by LAK effector T cells. Bagnasco M, et al. **Int J Cancer** 1987 Jun 15;39(6):703–7

Surface markers of human lymphokine–activated killer cells and their precursors. Analysis at the population and clonal level. Ferrini S, et al. **Int J Cancer** 1987 Jan 15;39(1):18–24

Reversible inhibition of lymphokine–activated killer cell activity by lipoxygenase–pathway inhibitors. Sibbitt WL Jr, et al. **Int J Cancer** 1986 Oct 15;38(4):517–21

Divergent effects of human lymphokine derived oligopeptides on PMNLs function of young and aged healthy subjects. Hauck M, et al.
Int J Immunopharmacol 1987;9(1):3–8

Monocyte produced burst–promoting activity after stimulation with lymphokine. Froom P, et al.
Isr J Med Sci 1987 Mar;23(3):196–8

Lymphokine regulation of HLA–DR gene expression in human thyroid cell monolayers. Piccinini LA, et al.
J Clin Endocrinol Metab 1987 Mar;64(3):543–8

In vitro modulation of T6 expression on gingival Langerhans cells by interleukin–1 inhibitors and ETAF. Walsh LJ, et al. **J Dent Res** 1987 Mar;66(3):766–9

Human recombinant interleukin 4 induces Fc epsilon receptors (CD23) on normal human B lymphocytes. Defrance T, et al. **J Exp Med** 1987 Jun 1;165(6):1459–67

Interleukin 4 as an essential factor for in vitro clonal growth of murine connective tissue–type mast cells. Hamaguchi Y, et al. **J Exp Med** 1987 Jan 1;165(1):268–73

B cell stimulatory factor 1 (interleukin 4) is a potent costimulant for normal resting T lymphocytes. Hu–Li J, et al. **J Exp Med** 1987 Jan 1;165(1):157–72

Interleukin 4 (B cell stimulatory factor 1) can mediate the induction of lymphokine–activated killer cell activity directed against fresh tumor cells. Mulé JJ, et al.
J Exp Med 1987 Sep 1;166(3):792–7

Lymphokine–activated killer cells. Analysis of progenitors and effectors. Ortaldo JR, et al. **J Exp Med** 1986 Oct 1; 164(4):1193–205

A novel 120–kD surface antigen expressed by a subset of human lymphocytes. Evidence that lymphokine–activated killer cells express this molecule and use it in their effector function. Zocchi MR, et al. **J Exp Med** 1987 Aug 1; 166(2):319–26

Effects of antigens and lymphokines on early activation of single hapten–specific B lymphocytes. Alderson MR, et al. **J Immunol** 1987 Feb 15;138(4):1056–63

The immunostimulatory effect of T cells and T cell lymphokines on murine fetally derived placental cells. Athanassakis I, et al. **J Immunol** 1987 Jan 1;138(1):37–44

Effects of leukocyte inhibitory factor (LIF) on neutrophil mediated antibody–dependent cellular cytotoxicity. Borish L, et al. **J Immunol** 1987 Mar 1;138(5):1480–4

Effects of leukocyte inhibitory factor (LIF) on neutrophil phagocytosis and bactericidal activity. Borish L, et al.
J Immunol 1987 Mar 1;138(5):1475–9

Lymphokine activation of T4+ T lymphocytes and monocytes. Cruikshank WW, et al. **J Immunol** 1987 Jun 1;138(11):3817–23

Human interferon–gamma acts as a B cell growth factor in the anti–IgM antibody co–stimulatory assay but has no direct B cell differentiation activity. Defrance T, et al.
J Immunol 1986 Dec 15;137(12):3861–7

Inhibitory activity of interleukin B on the suppressor T cell hybrid T2D4. del Guercio P, et al. **J Immunol** 1987 May 15;138(10):3295–9

Polyclonal B cell activation by a B cell differentiation factor, B151–TRF2. III. B151–TRF2 as a B cell differentiation factor closely associated with autoimmune disease. Dobashi K, et al. **J Immunol** 1987 Feb 1;138(3):780–7

Activity of a partially purified human BCGF on murine assays for B cell stimulatory factors. II. Synergy between two distinct BCGF II–like factors in promoting B cell differentiation. Ennist DL, et al. **J Immunol** 1987 Sep 1; 139(5):1525–31

Regulation of murine T cell proliferation by B cell stimulatory factor–1. Grabstein KH, et al. **J Immunol** 1987 Aug 15;139(4):1148–53

Augmentation of the antibody response by antigen–specific glycosylation–enhancing factor. Iwata M, et al.
J Immunol 1987 Apr 15;138(8):2561–7

BSF1 induces membrane protein phosphorylation but not phosphoinositide metabolism, Ca2+ mobilization, protein kinase C translocation, or membrane depolarization in resting murine B lymphocytes. Justement L, et al.
J Immunol 1986 Dec 1;137(11):3664–70

Autocrine growth of T cells independent of interleukin 2: identification of interleukin 4 (IL 4, BSF–1) as an autocrine growth factor for a cloned antigen–specific helper T cell. Kupper T, et al. **J Immunol** 1987 Jun 15;138(12):4280–7

Growth of an interleukin 2/interleukin 4–dependent T cell line induced by granulocyte–macrophage colony–stimulating factor (GM–CSF). Kupper T, et al.
J Immunol 1987 Jun 15;138(12):4288–92

Retrovirus infection alters growth factor responses of T lymphocytes. Lichtman AH, et al. **J Immunol** 1987 May 15;138(10):3276–83

Role of T cell–replacing factor (TRF) in the murine B cell differentiation: induction of increased levels of expression of secreted type IgM mRNA. Matsumoto M, et al.
J Immunol 1987 Mar 15;138(6):1826–33

BSF–1 action on resting B cells does not require elevation of inositol phospholipid metabolism or increased [Ca2+]i. Mizuguchi J, et al. **J Immunol** 1986 Oct 1;137(7):2215–9

Demonstration of up–regulated IL 2 receptor expression on an in vitro cloned BCL1 subline. Nakanishi K, et al.
J Immunol 1987 Mar 15;138(6):1817–25

Effects of cyclosporine on responses of murine B cells to T cell–derived lymphokines. O'Garra A, et al.
J Immunol 1986 Oct 1;137(7):2220–4

Induction of platelet cytotoxic functions by lymphokines: role of interferon–gamma. Pancre V, et al. **J Immunol** 1987 Jun 15;138(12):4490–5

Regulation of class II gene expression: analysis in B cell stimulatory factor 1–inducible murine pre–B cell lines. Polla BS, et al. **J Immunol** 1986 Nov 15;137(10):3332–7

Reactivity of Leu–1+ tonsillar B cells to a high molecular weight B cell growth factor. Richard Y, et al.
J Immunol 1987 Sep 1;139(5):1563–7

B cell stimulatory factor–1 (interleukin 4) prepares resting murine B cells to secrete IgG1 upon subsequent stimulation with bacterial lipopolysaccharide. Snapper CM, et al.
J Immunol 1987 Jul 1;139(1):10–7

Recombinant interleukin 4 promotes the growth of human T cells. Spits H, et al. **J Immunol** 1987 Aug 15; 139(4):1142–7

Induction of nitrite/nitrate synthesis in murine macrophages by BCG infection, lymphokines, or interferon–gamma. Stuehr DJ, et al. **J Immunol** 1987 Jul 15;139(2):518–25

Development and characterization of a human B cell line that responds to B cell growth factor but not interleukin 2. Tseng CT, et al. **J Immunol** 1987 Apr 15;138(8):2554–60

Evidence for effects of interleukin 4 (B cell stimulatory factor 1) on macrophages: enhancement of antigen presenting ability of bone marrow–derived macrophages. Zlotnik A, et al. **J Immunol** 1987 Jun 15;138(12):4275–9

A sensitive method for testing the effect of immunoglobulin binding factor on Ig secretion by hybridoma B cells. Amigorena S, et al. **J Immunol Methods** 1987 Feb 26; 97(1):57–64

Optimal methods for generating expanded lymphokine activated killer cells capable of reducing established murine tumors in vivo. Lafreniere R, et al.
J Immunol Methods 1986 Nov 20;94(1–2):37–49

Development of an automated closed system for generation of human lymphokine–activated killer (LAK) cells for use in adoptive immunotherapy. Muul LM, et al.
J Immunol Methods 1987 Aug 3;101(2):171–81

The characterization of a human B cell line utilizable for the assay of B cell growth factors. Warrington RJ.
J Immunol Methods 1987 Jun 26;100(1–2):117–22

An improved method for the generation of human lymphokine activated killer cells. Yannelli JR, et al.
J Immunol Methods 1987 Jun 26;100(1–2):137–45

Inhibitory effects of shale oils (Ichthyols) on the secretion of chemotactic leukotrienes from human leukocytes and on leukocyte migration. Czarnetzki BM.
J Invest Dermatol 1986 Dec;87(6):694–7

Macrophage migration inhibition induced by MDP, LPS, PMA, and MIF/MAF: reversal by macrophage migration enhancement factor (MEF), L–fucose, L–fucosyl BSA, D–mannose, and D–mannosyl BSA. Gordon MR, et al.
J Leukocyte Biol 1987 Sep;42(3):197–203

Lymphokines and platelets promote human monocyte adherence to fibrinogen and fibronectin in vitro. Horsburgh CR Jr, et al. **J Leukocyte Biol** 1987 Jan;41(1):14–24

Leukoregulin inhibits the growth of human glioblastoma in vitro. Merchant RE, et al. **J Neuroimmunol** 1986 Nov; 13(1):31–45

Lymphokine activated killer (LAK) cell mediated killing of human glioma: effect of pretreating glioma with various membrane modifying agents. Jacobs SK, et al.
J Neurooncol 1987;5(1):3–10

Class I major histocompatibility complex antigen expression on early murine trophoblast and its induction by lymphokines in vitro. Drake BL, et al.
J Reprod Immunol 1987 Apr;10(4):319–28

Synergistic activation of cells by Epstein–Barr virus and B–cell growth factor. Hutt–Fletcher LM. **J Virol** 1987 Mar; 61(3):774–81

Antitumor effects of recombinant human tumor necrosis factor against human tumor xenografts transplanted into nude mice. Nosoh Y, et al. **Jpn J Surg** 1987 Jan;17(1):51–4

Corticosterone–releasing activity of immune mediators. Torres–Alemán I, et al. **Life Sci** 1987 Mar 9;40(10):929–34

B cell activating factor(s) (BCAF) containing supernatant can induce all classes of immunoglobulin and IgG switches in resting B cells. Abehsira–Amar O, et al.
Lymphokine Res 1987 Summer;6(3):169–78

Measurement of human B cell responses to growth and differentiation factors: relevance for immunodeficiency disease. Callard RE, et al. **Lymphokine Res** 1986;5 Suppl 1:S151–6

Regulation of cytolytic T–lymphocyte generation by B–cell stimulatory factor. Widmer MB, et al. **Nature** 1987 Apr 23–29;326(6115):795–8

Activation by synergism between endotoxin and lymphokines of the mouse macrophage cell line J774 against infection by Trypanosoma cruzi. Alcina A, et al.
Parasite Immunol 1987 Mar;9(2):175–86

Effects of neutrophil migration inhibitory factors on neonatal neutrophils. Kowanko IC, et al. **Pediatr Res** 1987 Apr; 21(4):377–80

Single cell studies on the role of B–cell stimulatory factor 1 in B–cell activation. Alderson MR, et al.
Proc Natl Acad Sci USA 1987 Mar;84(5):1389–93

Coordinated action of IgE and a B–cell–stimulatory factor on the CD23 receptor molecule up–regulates B–lymphocyte growth. Guy GR, et al.
Proc Natl Acad Sci USA 1987 Sep;84(17):6239–43

Lymphokine–activated killer cells targeted by monoclonal antibodies to the disialogangliosides GD2 and GD3 specifically lyse human tumor cells of neuroectodermal origin. Honsik CJ, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7893–7

Murine B–cell stimulatory factor 1 (interleukin 4) increases expression of the Fc receptor for IgE on mouse B cells. Hudak SA, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(13):4606–10

T–cell–replacing factor (interleukin 5) induces expression of interleukin 2 receptors on murine splenic B cells. Loughnan MS, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(15):5399–403

B–cell–stimulatory factor 1 reverses Fc receptor–mediated inhibition of B–lymphocyte activation. O'Garra A, et al.
Proc Natl Acad Sci USA 1987 Sep;84(17):6254–8

Interleukin 4 is a growth factor for activated thymocytes: possible role in T–cell ontogeny. Zlotnik A, et al.
Proc Natl Acad Sci USA 1987 Jun;84(11):3856–60

A B cell growth factor–dependent cell line derived from a human lymphocytic nodular lymphoma. Genot E, et al.
Scand J Immunol 1987 Jul;26(1):37–46

Interferon–gamma and B cell stimulatory factor–1 reciprocally regulate Ig isotype production. Snapper CM, et al. **Science** 1987 May 22;236(4804):944–7

[Adoptive immunotherapy: a new therapeutic approach to cancer based on interleukin 2] Scalier JP, et al.
Rev Med Brux 1987 Mar;8(3):133–9 (Eng. Abstr.) **(Fre)**

[Effect of supernatants obtained from lymphocytes stimulated with concanavalin A on trophozoites of Entamoeba histolytica] Castellanos C, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:255–8 **(Spa)**

[Ultrastructural changes associated with the inhibition of human monocyte chemotaxis caused by products of E. histolytica cultured in axenic medium] Gimenéz–Scherer A, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:251–4 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

B–cell stimulatory factor–1/interleukin 4. Paul WE, et al.
Annu Rev Immunol 1987;5:429–59 (95 ref.)

Lymphokine(s) from isolated T lymphocyte subpopulations support multilineage hematopoietic colony and megakaryocytic colony formation. Kanz L, et al. **Blood** 1986 Nov;68(5):991–5

Proliferative and differentiative responses of B cells from human marrow graft recipients to T cell–derived factors. Matsue K, et al. **Blood** 1987 Jan;69(1):308–15

Mechanism of action of a human interleukin 1 inhibitor. Brown KM, et al. **Cell Immunol** 1987 Mar;105(1):45–53

Functional and biochemical characterization of B–cell differentiation factor (BCDF) produced by an HTLV–I–transformed human T–cell clone and demonstration of specific binding of the factor to a BCDF responsive cell line. Goldstein H, et al. **Cell Immunol** 1987 Sep;108(2):343–55

A significant role of the macrophage accumulation induced by MCF in the protection of mice against Listeria monocytogenes in vivo. Handa T, et al. **Cell Immunol** 1987 May;106(2):330–42

The effects of cytokines and adherent cells on the interleukin 4–mediated induction of Ia antigens on resting B cells. Oliver K, et al. **Cell Immunol** 1987 May;106(2):428–36

Role of B cell lymphokines in immunoregulation. del Guercio P, et al. **Concepts Immunopathol** 1986;3:109–57 (70 ref.)

Role of cytokines in T and B cell mediated immunity. Gately MK, et al. **Concepts Immunopathol** 1986;3:74–108 (136 ref.)

Genes affecting the production or action of B cell–active lymphokines. Sidman CL. **Curr Top Microbiol Immunol** 1986;132:121–6

Interleukin–HP1–related hybridoma and plasmacytoma growth factors induced by lipopolysaccharide in vivo. Coulie PG, et al. **Eur J Immunol** 1987 Aug;17(8):1217–20

Analysis of T cell–replacing factor–like activity: potent induction of T helper activity for human B cells by residual concanavalin A and interleukin 2. Sauerwein RW, et al.
Eur J Immunol 1987 Aug;17(8):1145–50

Reciprocal regulation of human basophil and eosinophil differentiation by separate T–cell–derived factors. Tanno Y, et al. **Exp Hematol** 1987 Jan;15(1):24–33

IFN–gamma is not an essential mediator of murine antibody responses in vitro. Latta SL, et al. **Immunol Lett** 1987 Apr; 14(4):355–8

Interleukin–HP1, a T cell–derived hybridoma growth factor that supports the in vitro growth of murine plasmacytomas. Van Snick J, et al. **J Exp Med** 1987 Mar 1;165(3):641–9

A spleen–derived maturational factor allows immature thymocytes, prepared as cells bearing low amounts of surface sialic acid, to become cytotoxic T cells. Campbell

PA, et al. **J Immunol** 1987 Sep 1;139(5):1385–92

Suppressor T cell growth and differentiation: production of suppressor T cell differentiation factor by the murine thymoma BW5147. Chu WS, et al. **J Immunol** 1987 Jan 1;138(1):78–86

B cell stimulatory factor–1 (interleukin 4) activates macrophages for increased tumoricidal activity and expression of Ia antigens. Crawford RM, et al. **J Immunol** 1987 Jul 1;139(1):135–41

B cell growth–promoting activity of recombinant human interleukin 4. Defrance T, et al. **J Immunol** 1987 Aug 15; 139(4):1135–41

Requirement for BSF–1 in the induction of antigen–specific B cell proliferation by a thymus–dependent antigen and carrier–reactive T cell line. Dubois P, et al. **J Immunol** 1987 Sep 15;139(6):1927–34

Monocyte procoagulant inducing factor: a lymphokine involved in the T cell–instructed monocyte procoagulant response to antigen. Gregory SA, et al. **J Immunol** 1986 Nov 15;137(10):3231–9

Carrier–specific suppression of antibody responses by antigen–specific glycosylation–inhibiting factors. Jardieu P, et al. **J Immunol** 1987 Mar 1;138(5):1494–501

Comparative activation requirements of human peripheral blood, spleen, and lymph node B cells. Jelinek DF, et al. **J Immunol** 1987 Aug 15;139(4):1005–13

Characterization of a B cell–derived growth–enhancing factor produced by a human B cell line established from a patient with rheumatoid arthritis. Kang H, et al. **J Immunol** 1987 Aug 15;139(4):1154–60

Polyclonal B cell activation by a B cell differentiation factor, B151–TRF2. II. Evidence for interaction of B151–TRF2 with glycoprotein on B cell membrane via recognition of terminal N–acetyl–D–glucosamine residue(s). Katoh Y, et al. **J Immunol** 1986 Nov 1;137(9):2871–7

Cloned, Ia–restricted T cells that do not produce interleukin 4(IL 4)/B cell stimulatory factor 1(BSF–1) fail to help antigen–specific B cells. Killar L, et al. **J Immunol** 1987 Mar 15;138(6):1674–9

Role of T cell–replacing factor (TRF) in the murine B cell differentiation: induction of increased levels of expression of secreted type IgM mRNA. Matsumoto M, et al. **J Immunol** 1987 Mar 15;138(6):1826–33

Analysis of cytostatic/cytotoxic lymphokines: relationship of natural killer cytotoxic factor to recombinant lymphotoxin, recombinant tumor necrosis factor, and leukoregulin. Ortaldo JR, et al. **J Immunol** 1986 Nov 1;137(9):2857–63

Identification of interferon–gamma as the lymphokine that mediates leukotriene B4–induced immunoregulation. Rola–Pleszczynski M, et al. **J Immunol** 1987 Jul 15; 139(2):513–7

Distinct culture requirements for activation and proliferation of human peripheral blood B lymphocytes by Staphylococcus aureus Cowan strain and growth factors. Choi YS, et al. **J Immunol Methods** 1987 Jul 16; 101(1):29–36

Lymphokines. Dinarello CA, et al. **N Engl J Med** 1987 Oct 8;317(15):940–5 (46 ref.)

Immunology. Unravelling the control of B cells [news] Klaus GG. **Nature** 1986 Nov 6–12;324(6092):16–7

Neuroleukin: a lymphokine product of lectin–stimulated T cells. Gurney ME, et al. **Science** 1986 Oct 31; 234(4776):574–81

Molecular cloning and expression of neuroleukin, a neurotrophic factor for spinal and sensory neurons. Gurney ME, et al. **Science** 1986 Oct 31;234(4776):566–74

Evidence that secondary mixed leukocyte culture supernatant mediates changes in cellular recruitment, blood flow, and vascular permeability. Hanto DW, et al. **Transplantation** 1986 Dec;42(6):621–7

The role of regulatory factors in human antibody secretion. Peters M, et al. **Year Immunol** 1986;2:134–44 (19 ref.)

[Influences of inflammatory macrophages on the proliferation of mouse tumor cells in vitro] Sun DM, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Jul;8(4):247–9 (Eng. Abstr.) **(Chi)**

[Modulation of IgE antibody synthesis by immunoglobulin–binding factors] Knöller I, et al. **Immun Infekt** 1986 Nov;14(6):210–20 (Eng. Abstr.) **(Ger)**

[Delayed–type hypersensitivity and lymphokine] Tokunaga T. **Arerugi** 1987 Jan;36(1):1–6 (19 ref.) **(Jpn)**

[Metabolic bone diseases: various factors influencing bone resorption and osteogenesis—with special reference to the mechanism of action—bone resorption and immunologic–cell–derived factors] Orimo H. **Nippon Rinsho** 1986 Nov;44(11):2378–84 (49 ref.) **(Jpn)**

[Studies on the effects of cholestatic factor on immunoglobulin–A excretion in bile] Miyajima K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep;83(9):1993–7 (Eng. Abstr.) **(Jpn)**

SECRETION

Human gamma interferon enhances release from phytohemagglutinin–stimulated T4+ lymphocytes of activities that stimulate colony formation by granulocyte–macrophage, erythroid, and multipotential progenitor cells. Piacibello W, et al. **Blood** 1986 Dec; 68(6):1339–47

Large granular lymphocytes from patients with expanded LGL populations acquire cytotoxic functions and release lymphokines upon in vitro activation. Pistoia V, et al. **Blood** 1986 Nov;68(5):1095–100

A highly conserved vascular permeability factor secreted by a variety of human and rodent tumor cell lines. Senger DR, et al. **Cancer Res** 1986 Nov;46(11):5629–32

Interleukin 1 inhibitory activity secreted by a human myelomonocytic cell line (M20). Barak V, et al. **Eur J Immunol** 1986 Nov;16(11):1449–52

Suppressor cells induced by total lymphoid irradiation affect proliferation and lymphokine production of murine T helper cell clones. Mate TP, et al. **Int J Radiat Oncol Biol Phys** 1987 Jan;13(1):61–8

Interleukin 1–mediated activation of interleukin 4 (IL 4)–producing T lymphocytes. Proliferation by IL 4–dependent and IL 4–independent mechanisms. Ho SN, et al. **J Immunol** 1987 Sep 1;139(5):1532–40

JM, a Thy–ALL cell line produces both inhibitory and stimulatory lymphokines for bone marrow progenitor cells. Michalevicz R, et al. **Leuk Res** 1987;11(7):649–54

Release of lymphokines following Epstein–Barr virus infection in vitro of blood lymphocytes from patients with autoimmune diseases. Lotz M, et al. **Trans Assoc Am Physicians** 1986;99:114–24

STANDARDS

Characteristics of cloned and natural lymphokines: a comment on criteria which may be useful in establishing international standards. White TJ. **Immunobiology** 1986 Sep;172(3–5):448–9

Proceedings of the second meeting of the IUIS Lymphokine Standardization Subcommittee. March 5 and 8, 1986, Erlangen, West Germany. **Lymphokine Res** 1986;5 Suppl 1:S1–192

Work of the Lymphokine Standardization Subcommittee of the International Union of Immunological Societies. Dumonde DC. **Lymphokine Res** 1986;5 Suppl 1:S1–5

THERAPEUTIC USE

Cancer therapy by biological response modifiers. Herberman RB. **Arzneimittelforschung** 1987 Feb;37(2A):246–50 (23 ref.)

Effects of recombinant interferon–gamma and chemotherapy with isoniazid and rifampicin on infections of mouse peritoneal macrophages with Listeria monocytogenes and Mycobacterium microti in vitro. Khor M, et al. **Br J Exp Pathol** 1986 Oct;67(5):707–17

Clinical application of lymphokines and cytokines. **Immunobiology** 1986 Sep;172(3–5):157–458

On lymphokines, cytokines, and breakthroughs [editorial] Moertel CG. **JAMA** 1986 Dec 12;256(22):3141

Protocol design for lymphokine testing in clinical studies of human cancer. Lotze MT, et al. **Lymphokine Res** 1986;5 Suppl 1:S177–81

Immunological monitoring of clinical trials using biological response modifiers. Maluish AE. **Lymphokine Res** 1986;5 Suppl 1:S183–7

Phase I clinical trial of MAF containing preparation of RPMI–1788 B–cell human lymphoblastoid lymphokine in advanced cancer patients. Reynolds RD, et al. **Lymphokine Res** 1986;5 Suppl 1:S165–70

The lymphomas: biologic implications of therapy and therapeutic implications of the new biology. DeVita VT Jr, et al. **Monogr Pathol** 1987;(29):249–67 (94 ref.)

[Tumorigenesis, tumor biology and therapeutic measures. New findings] Gillmann H. **Arzneimittelforschung** 1987 Feb;37(2A):236–8 **(Ger)**

TOXICITY

Studies on lymphokine–mediated demyelination in organotypic rat cerebellum in culture. Selmaj K, et al. **Acta Neurol Scand** 1986 Sep;74(3):186–9

Re: Leukoregulin, a direct–acting anticancer immunological hormone that is distinct from lymphotoxin and interferon [letter] Doyle MV, et al. **Cancer Res** 1987 Feb 1;47(3):914–7

URINE

Prostaglandin E2 and collagenase production by fibroblasts and synovial cells is regulated by urine–derived human interleukin 1 and inhibitor(s). Balavoine JF, et al. **J Clin Invest** 1986 Oct;78(4):1120–4

LYMPHOMA

Joint meeting of the British and European Associations for Cancer Research and the Royal Society of Medicine (Section of Oncology). November 3–5, 1986, London. Abstracts. **Br J Cancer** 1987 Mar;55(3):331–49

Symposium on T–cell lymphoma and related disorders. **Dermatol Clin** 1985 Oct;3(4):561–768

Primary lymphoma of the uterine cervix. Mann R, et al. **Gynecol Oncol** 1987 Jan;26(1):127–34

16th annual UCLA symposium. Abstracts: Recent advances in leukemia and lymphoma. **J Cell Biochem [Suppl]** 1987; 11A:174–238

Peripheral T cell lymphoma. Liang R, et al. **J Clin Oncol** 1987 May;5(5):750–5

Malignant lymphomas: observations in North Bengal. Ghosh RN, et al. **J Indian Med Assoc** 1986 Sep;84(9):263–5

A lymphoma–like neoplasm arising from hematopoietic tissue in the white shrimp, Penaeus vannamei Boone (Crustacea: Decapoda). Lightner DV, et al. **J Invertebr Pathol** 1987 Mar;49(2):188–93

Primary lymphoma of the nasal cavity. A case report. Santopietro R, et al. **Rev Laryngol Otol Rhinol (Bord)** 1987; 108(3):245–7

[Radiologic diagnosis and radiation therapy of malignant lymphoma] **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:1–260 **(Ger)**

[Report of the 10th annual meeting of the German Society for Lymphology. 19–21 September 1986, Göttingen. Abstracts] **Z Lymphol** 1987 Jul;11(1):33–40 **(Ger)**

[Primary lymphoid disorders of the lung] Shachor Y, et al. **Harefuah** 1986 Jun 1;110(11):573–5 (24 ref.) **(Heb)**

[LYMPHEV—an information system—a data base for malignant lymphomas] Găleşanu MR, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Oct–Dec; 90(4):735–40 **(Rum)**

ANALYSIS

Extraction of cellular DNA from human cells and tissues fixed in ethanol. Smith LJ, et al. **Anal Biochem** 1987 Jan; 160(1):135–8

Characterization of hematologic malignancies by flow cytometry. Barlogie B, et al. **Anal Quant Cytol Histol** 1987 May;9(2):147–55 (21 ref.)

S–100 protein–positive sinusoidal large cell lymphoma. Chan JK, et al. **Hum Pathol** 1987 Jul;18(7):756–9

Characterization of glucocorticoid receptors in S49 mouse lymphoma cells by affinity labeling with [3H]dexamethasone 21–mesylate. Distelhorst CW, et al. **J Steroid Biochem** 1987 Jan;26(1):59–65

Localization of interleukin–1 in normal or reactive lymphoid tissues and skin: abundance of IL–1 in interdigitating reticulum cells. Hsu SM, et al. **Lymphokine Res** 1987 Winter;6(1):13–8

[DNA probes. An important aid in the diagnosis of lymphoma] Alfsen GC, et al. **Tidsskr Nor Laegeforen** 1987 Jun 30;107(19–21):1669–71 (Eng. Abstr.) **(Nor)**

[Gangliosides of murine B–lymphoma MORC–406] Diatlovitskaia EV, et al. **Biokhimiia** 1986 Aug; 51(8):1308–14 (Eng. Abstr.) **(Rus)**

BLOOD

Determination of cell–free interleukin 2 receptor level in the serum of normal animals and of animals bearing IL–2 receptor positive tumours with high or low metastatic capacity. Schirrmacher V, et al. **Br J Cancer** 1987 Jun; 55(6):583–7

Nonneoplastic circulating Sézary–like cells in cutaneous T–cell lymphoma. Ultrastructural, immunologic, and T–cell receptor gene–rearrangement studies. Bendelac A, et al. **Cancer** 1987 Sep 1;60(5):980–6

SP1—really a tumor marker for lymphoid malignancy? [letter] Marty F, et al. **Clin Chem** 1986 Nov;32(11):2123–4

Hematological findings in adult T–cell lymphoma by cytofluorographic analysis. Correlation with histopathology, ultrastructure and immunohistochemistry in 4 cases. Cintorino M, et al. **Haematologica (Pavia)** 1986 May–Jun;71(3):189–94

Lymphoproliferative disease in primary B–cell immunodeficiency. Lymphoplasmocytoid lymphoma or Sjögren's pseudo–lymphoma? Montecucco C, et al. **Haematologica (Pavia)** 1986 May–Jun;71(3):237–40

Follicular mantle zone cell subpopulations detected by monoclonal antibody SN3. Barcos M, et al. **Hematol Oncol** 1986 Oct–Dec;4(4):251–9

[Serum ferritin levels in patients with hemolymphopathies and solid neoplasms in an advanced phase: a comparison with healthy subjects and liver cirrhosis patients] Antoniazzi V. **Minerva Med** 1986 Dec 15; 77(47–48):2235–41 (Eng. Abstr.) **(Ita)**

[Levels of serum ferritin in malignant hemopathies] Camps C, et al. **Med Clin (Barc)** 1986 Nov 1;87(14):578–81 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Beta 2–microglobulin, lysozyme and lactoferrin in cerebrospinal fluid in patients with lymphoma or leukaemia: relationship to CNS involvement and the effect of prophylactic intrathecal treatment with methotrexate. Oberg G, et al. **Br J Haematol** 1987 Jul;66(3):315–22

Cerebrospinal fluid beta–2–microglobulin level as marker of central nervous system involvement in lymphoma. Pagano L, et al. **Haematologia (Budap)** 1986;19(2):121–5

[Detection of paraproteins in the cerebrospinal fluid of patients with paraproteinemia and the role of these proteins in the development of clinical symptoms] Werling K, et al. **Orv Hetil** 1987 Aug 30;128(35):1829–30, 1833–4 (Eng. Abstr.) **(Hun)**

CHEMICALLY INDUCED

Psoriasis, razoxane and a cutaneous B–cell lymphoma. Mallett RB, et al. **Br J Dermatol** 1987 Feb;116(2):243–4

Long–term inhalation studies of diesel exhaust on F344 SPF rats. Incidence of lung cancer and lymphoma. Iwai K, et al. **Dev Toxicol Environ Sci** 1986;13:349–60

Effects of radiation and other influences on chemical lymphomagenesis. Seidel HJ. **Int J Radiat Biol** 1987 Jun; 51(6):1041–8

Existence of N–nitroso–N–propylurea target cells in the thymus of F344 rats in thymic lymphomagenesis. Ogiu T, et al. **JNCI** 1987 Jul;79(1):179–83

Lymphoma in patients taking etretinate [letter] Woll PJ, et al. **Lancet** 1987 Sep 5;2(8558):563–4

CLASSIFICATION

Malignant lymphoma of bone. Ostrowski ML, et al. **Cancer** 1986 Dec 15;58(12):2646–55

The histopathologic classification of cutaneous lymphomas. Garvin AJ. **Dermatol Clin** 1985 Oct;3(4):587–91

Kinetic studies of lymphocytes labeled with indium–111–oxine in patients with malignant lymphoma. Matsuda S, et al. **Fukushima J Med Sci** 1986 Jun; 32(1):39–46

Lymphocytic lymphoma of intermediate differentiation—mantle zone lymphoma: a distinct subtype of B–cell lymphoma. Jaffe ES, et al. **Hum Pathol** 1987 Sep; 18(9):877–80

Neoplastic angioendotheliomatosis. A variant of malignant lymphoma immunohistochemical and ultrastructural observations of three cases. Elner VM, et al. **Ophthalmology** 1986 Sep;93(9):1237–45

[Primary gastric lymphoma: clinicopathological study of 27 cases using the Lymphoma Study Group (LSG) classification, Working Formulation for Clinical Usage (WFCU) and Lukes–Collins classifications] Nishiwaki K. **Nippon Geka Hokan** 1987 Jan 1;56(1):17–33 (Eng. Abstr.) **(Jpn)**

[Alopecia mucinosa and skin lymphoma] Raznatovskiĭ IM, et al. **Vestn Dermatol Venerol** 1987;(5):35–41 (69 ref.) **(Rus)**

COMPLICATIONS

Ileocolic intussusception in large cell lymphoma of the terminal ileum. Report of a case. Greco A, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Nov–Dec;27(6):687–90

AIDS–related benign lymphadenopathy and malignant lymphoma: clinical aspects and virologic interactions. Abrams DI, et al. **AIDS Res** 1986 Dec;2 Suppl 1:S131–40

Isolated IgG4 subclass deficiency and malignant lymphoma in a child with acquired immunodeficiency syndrome [letter] Honda NS, et al. **Am J Dis Child** 1987 Apr; 141(4):398–9

Nontraumatic fat embolization. A rare cause of new pulmonary infiltrates in an immunocompromised patient. Rosen JM, et al. **Am Rev Respir Dis** 1986 Oct;134(4):805–8

Coexistence of hydroa vacciniforme and malignant lymphoma. Oono T, et al. **Arch Dermatol** 1986 Nov; 122(11):1306–9

The sarcoidosis–lymphoma syndrome. Brincker H. **Br J Cancer** 1986 Sep;54(3):467–73

Obstructive sleep apnoea and tonsillar lymphoma. King M, et al. **Br Med J [Clin Res]** 1987 Jun 20;294(6587):1605–6

Anorectal and perianal complications of hematologic malignant neoplasms. Musa MB, et al. **Can J Surg** 1975 Nov;18(6):579–83

Malignant lymphomas in a population at risk for acquired immune deficiency syndrome. Ahmed T, et al. **Cancer** 1987 Aug 15;60(4):719–23

Addison's disease secondary to lymphomatous infiltration of the adrenal glands. Recovery of adrenocortical function after chemotherapy. Carey RW, et al. **Cancer** 1987 Mar 15;59(6):1087–90

Common variable hypogammaglobulinemia complicated by an unusual T–suppressor/cytotoxic cell lymphoma. Durham JC, et al. **Cancer** 1987 Jan 15;59(2):271–6

Sarcoid–like hilar and mediastinal lymphadenopathy in a patient with metastatic testicular cancer. Heffner JE, et al. **Cancer** 1987 Oct 1;60(7):1545–7

The simultaneous presentation of peripheral T–cell lymphoma and hairy cell leukemia. Lawlor E, et al. **Cancer** 1987 Oct 1;60(7):1537–44

Lethal midline granuloma with a novel T–cell phenotype as found in peripheral T–cell lymphoma. Lippman SM, et al. **Cancer** 1987 Mar 1;59(5):936–9

Treatment of infections during hematologic malignancies with aztreonam, a new antibiotic. Rizzo SC, et al. **Chemioterapia** 1986 Dec;5(6):400–3

Erythema nodosum and Lennert's lymphoma [letter] Juncà J, et al. **Clin Lab Haematol** 1986;8(3):266–7

Diagnosis of malignant pericardial effusion during dynamic hepatic scintigraphy. Gates GF. **Clin Nucl Med** 1987 Mar; 12(3):173–5

Noncirrhotic portal hypertension due to lymphoma. Reversal following splenectomy. Lindor K, et al. **Dig Dis Sci** 1987 Sep;32(9):1056–8

Association of AIDS and B–cell lymphomas in two drug addicted men [letter] Barbieri D, et al. **Haematologica (Pavia)** 1987 Mar–Apr;72(2):185–6

Philadelphia (Ph), 14q+ and 1q+ chromosomes in immunoblastic phase (Richter's syndrome) in a patient with T chronic lymphocytic leukaemia. Palka G, et al. **Haematologica (Pavia)** 1986 May–Jun;71(3):221–4

Spinal cord compression as the first presentation of lymphoma—a review of 15 cases. Grant JW, et al. **Histopathology** 1986 Nov;10(11):1191–202

The coexistence of Langerhans' cell granulomatosis and malignant lymphoma may take different forms: report of seven cases with a review of the literature. Neumann MP, et al. **Hum Pathol** 1986 Oct;17(10):1060–5

Prospective study on humoral immune response induced by fungal infection in patients with hematologic malignancies. Kostiala I, et al. **Infection** 1986 Nov–Dec;14(6):255–60

Vagoglossopharyngeal neuralgia with syncope in the course of carcinomatous meningitis. Sozzi G, et al. **Ital J Neurol Sci** 1987 Jun;8(3):271–5

Intussusception due to lymphoma. Ein SH, et al. **J Pediatr Surg** 1986 Sep;21(9):786–8

Sjögren's syndrome: severe upper airways obstruction due to primary malignant tracheal lymphoma developing during successful treatment of lymphocytic interstitial pneumonitis. Kamholz S, et al. **J Rheumatol** 1987 Jun; 14(3):588–94

B–cell lymphomas in two HIV seropositive heroin addicts [letter] Barbieri D, et al. **Lancet** 1986 Nov 1;2(8514):1039

Haematological aspects of lymphomas. Hassan K. **Malays J Pathol** 1980 Aug;3:9–14

Myasthenia gravis associated with T helper cell lymphoma. Bowen JD, et al. **Neurology** 1987 Aug;37(8):1405–8

An unusual presentation of lymphoma in a homosexual man. Dubner S, et al. **NY State J Med** 1987 May;87(5):302–3

Sarcoidosis and lymphoma: is there an association? [letter] McInerney PD. **Postgrad Med J** 1986 Aug;62(730):809

Primary lymphoma of the small bowel with obstructive jaundice and pancreatitis. A case report. Halline A, et al. **S Afr Med J** 1987 Jul 4;72(1):61–2

[Carcinomatous neuromyopathy: reports of 3 autopsy and 1 biopsy cases] Xu BN. **Chung–hua Ping Li Hsueh Tsa Chih** 1987 Mar;16(1):28–30 (Eng. Abstr.) **(Chi)**

[Sepsis in hematologic diseases] Bláha M, et al. **Vnitr Lek** 1986 Nov;32(11):1044–50 (Eng. Abstr.) **(Cze)**

[Digestive immunoblastic lymphoma in Gougerot–Sjögren syndrome (letter)] Gosset D, et al. **Gastroenterol Clin Biol** 1987 Apr;11(4):348–9 **(Fre)**

[Thoracoscopic talc poudrage in pleurisies of blood diseases] Viallat JR, et al. **Nouv Rev Fr Hematol** 1986;28(6):381–5 (Eng. Abstr.) **(Fre)**

[Renal insufficiency indicative of lymphoma (letter)] Gentric A, et al. **Presse Med** 1987 Apr 4;16(12):591 **(Fre)**

[Pleurisy in blood diseases: value of thoracoscopic poudrage] Viallat JR, et al. **Rev Pneumol Clin** 1986;42(6):274–8 (Eng. Abstr.) **(Fre)**

[Apropos of a case of gastric pseudolymphoma] Emonet P, et al. **Schweiz Med Wochenschr** 1986 Nov 1;116(44):1542–5 (Eng. Abstr.) **(Fre)**

[Clostridium difficile colitis in patients with blood diseases] Gentile G, et al. **Ann Ist Super Sanita** 1986;22(3):979–83 (Eng. Abstr.) **(Ita)**

[Infectious disease complicated by hematological disorders—a survey of the past seven years at the First Department of Internal Medicine, Ehime University Hospital] Imoto A, et al. **Kansenshogaku Zasshi** 1987 Feb; 61(2):153–60 (Eng. Abstr.) **(Jpn)**

[Sick sinus syndrome in malignant lymphoma involving the heart] Ishibashi S, et al. **Nippon Naika Gakkai Zasshi** 1987 Jan;76(1):100–5 **(Jpn)**

[Adams–Stokes syndrome following cardiac tamponade in B–cell lymphoma involving the heart: a case report] Yoshikawa H, et al. **Nippon Naika Gakkai Zasshi** 1986 Oct; 75(10):1429–37 **(Jpn)**

[Spontaneous rupture of the spleen in 2 cases of malignant lymphoma] Iwabuchi K, et al. **Rinsho Ketsueki** 1987 May; 28(5):752–5 (Eng. Abstr.) **(Jpn)**

[Clinical studies on hematological malignancies accompanied by hypercalcemia] Takahasi T, et al. **Rinsho Ketsueki** 1986 Nov;27(11):2070–7 (Eng. Abstr.) **(Jpn)**

[Effect of cefmetazole on infections accompanying granulocytopenia in hematological disorders: a cooperative study] Urabe A, et al. **Rinsho Ketsueki** 1987 Apr; 28(4):524–8 (Eng. Abstr.) **(Jpn)**

[Complications of gastric lymphoma] Minta P, et al. **Wiad Lek** 1986 Sep 1;39(17):1191–2 (Eng. Abstr.) **(Pol)**

[Association of cancer of the thyroid gland with other malignant tumors] Valdina EA. **Vopr Onkol** 1986; 32(12):49–53 (Eng. Abstr.) **(Rus)**

[Lennert lymphoma and erythema nodosum (letter)] Juncá Piera J, et al. **Med Clin (Barc)** 1987 Jan 17;88(2):82 **(Spa)**

[Amenorrhea–galactorrhea and primary brain lymphoma] Moral A, et al. **Med Clin (Barc)** 1987 Feb 14;88(6):243–6 (Eng. Abstr.) **(Spa)**

[A case of extreme ventilation–perfusion irregularity induced by primary mediastinal lymphoma] Martelli NA, et al. **Medicina (B Aires)** 1986;46(1):91–3 (Eng. Abstr.) **(Spa)**

[Sudden death during anesthesia in a patient with a tumor of the mediastinum] Ruz Ortiz A, et al. **Rev Esp Anestesiol Reanim** 1986 Nov–Dec;33(6):443–5 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Value of lymphocyte marker studies in diagnostic cytopathology. Robey SS, et al. **Acta Cytol** 1987 Jul–Aug; 31(4):453–9

Diagnostic value of immunological leukemia phenotyping. Drexler HG, et al. **Acta Haematol (Basel)** 1986;76(1):1–8

Diagnostic and prognostic value of monoclonal antibodies in immunophenotyping of T cell lymphomas. Odermatt BF, et al. **Acta Haematol (Basel)** 1987;77(2):72–7

Neoplastic angioendotheliosis is, in fact, intravascular malignant lymphoma [letter] Ojeda VJ, et al. **Acta Neuropathol (Berl)** 1986;72(2):203

Ileocolonic schistosomiasis presenting as lymphoma. Zimbalist E, et al. **Am J Gastroenterol** 1987 May; 82(5):476–8

Peripheral T cell lymphoma presenting as hypereosinophilia with vasculitis. Clinical, pathologic, and immunologic features. O'Shea JJ, et al. **Am J Med** 1987 Mar;82(3):539–45

B cell malignancies presenting with unusual bone involvement and mimicking multiple myeloma. Study of nine cases. Rossi JF, et al. **Am J Med** 1987 Jul;83(1):10–6

Infectious mononucleosis. The spectrum of morphologic changes simulating lymphoma in lymph nodes and tonsils. Childs CC, et al. **Am J Surg Pathol** 1987 Feb;11(2):122–32

The use of monoclonal antibodies in the diagnosis of peripheral T–cell lymphomas. Giraldo AA, et al. **Ann Clin Lab Sci** 1987 Mar–Apr;17(2):67–73

Lymphomas: membrane markers and cell flow cytometric diagnosis. Glassman AB, et al. **Ann Clin Lab Sci** 1987 Jan–Feb;17(1):1–7

A practical approach to immunophenotyping of lymphomas. Comparison of immunohistologic and immunocytologic techniques. Sun T, et al. **Ann Clin Lab Sci** 1987 Jan–Feb; 17(1):14–26

An ultrastructural morphometric and immunohistochemical analysis of cutaneous lymphomas and benign lymphocytic infiltrates of skin. Useful criteria for diagnosis. Payne CM, et al. **Arch Dermatol** 1986 Oct;122(10):1139–54

Angiotropic (intravascular) large cell lymphoma of the skin previously classified as malignant angioendotheliomatosis. Willemze R, et al. **Br J Dermatol** 1987 Mar;116(3):393–9

Immunohistochemistry in lymphoma diagnosis [editorial] Hall PA. **Br Med J [Clin Res]** 1986 Dec 13; 293(6561):1520–1

Humoral response to wheat protein in patients with coeliac disease and enteropathy associated T cell lymphoma. O'Farrelly C, et al. **Br Med J [Clin Res]** 1986 Oct 11; 293(6552):908–10

Detection of spread of malignant lymphoma to the liver by low field strength magnetic resonance imaging. Richards MA, et al. **Br Med J [Clin Res]** 1986 Nov 1; 293(6555):1126–8

Diagnostic value of upper intestinal fiber endoscopy in primary small intestinal lymphoma. A prospective study by the Tunisian–French Intestinal Lymphoma Group. Halphen M, et al. **Cancer** 1986 Nov 1;58(9):2140–5

Developments in the diagnosis and treatment of primary CNS lymphoma. A prospective series. Neuwelt EA, et al. **Cancer** 1986 Oct 15;58(8):1609–20

Two new monoclonal antibodies, Lym–1 and Lym–2, reactive with human B–lymphocytes and derived tumors, with immunodiagnostic and immunotherapeutic potential. Epstein AL, et al. **Cancer Res** 1987 Feb 1;47(3):830–40

Practical approach to the immunodiagnosis of lymphomas emphasizing differential diagnosis. Warnke RA, et al. **Cancer Surv** 1985;4(2):349–58

Bronchoalveolar lavage in the diagnosis of pulmonary lymphomas [editorial] Myers JL, et al. **Chest** 1987 May; 91(5):642–3

Diagnosis of CNS lymphoma using immunofluorescent phenotyping of CSF mononuclear cells. Efremidis AP, et al. **Clin Neurol Neurosurg** 1986;88(2):101–7

Increased sensitivity of magnetic resonance imaging compared to radionuclide bone scintigraphy in the detection of lymphoma of the spine. Weaver GR, et al. **Clin Nucl Med** 1987 Apr;12(4):333–4

The contribution of molecular biology in the diagnosis of human lymphomas. Vezzoni P, et al. **Diagn Immunol** 1986; 4(5):247–52

Ultrasound and ultrasonically guided biopsy in hepatic lymphoma. Cavanna L, et al. **Eur J Cancer Clin Oncol** 1987 Mar;23(3):323–6

Splenectomy in patients with malignant lymphoma presenting with massive splenomegaly. King DJ, et al. **Eur J Haematol** 1987 Feb;38(2):162–5

Ultrasonographic findings in thymic lymphoma in children. Lemaitre L, et al. **Eur J Radiol** 1987 May;7(2):125–9

Pseudolymphoma of the retroperitoneum. Suesada Y, et al. **Eur J Radiol** 1987 May;7(2):144–6

Primary lymphoma of the thyroid: clinical features, prognostic factors, and results of treatment. Tupchong L, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1813–21

Magnetic resonance imaging of the mediastinum. Poon PY, et al. **J Can Assoc Radiol** 1986 Sep;37(3):173–81

Splenic B cell lymphoma with circulating villous lymphocytes: differential diagnosis of B cell leukaemias with large spleens. Melo JV, et al. **J Clin Pathol** 1987 Jun; 40(6):642–51

Hypersensitivity to carbamazepine presenting as pseudolymphoma. Yates P, et al. **J Clin Pathol** 1986 Nov; 39(11):1224–8

Primary cerebral lymphoma mimicking tuberculosis: case report [letter] Barker PR, et al. **J Neurol Neurosurg Psychiatry** 1987 Mar;50(3):358–60

Intracranial malignant lymphoma [letter] McKinstry CS, et al. **J Neurosurg** 1987 Sep;67(3):476–7

The immunocytochemical diagnosis of malignant lymphoma in routinely processed tissues [letter] Norton AJ, et al. **J Pathol** 1987 Mar;151(3):240–2

The diagnosis of malignant lymphoma using monoclonal antibodies reactive in routinely fixed wax embedded tissue. Norton AJ, et al. **J Pathol** 1987 Mar;151(3):183–4 (16 ref.)

Hilar gland tuberculosis in Nepalese adults masquerading as malignant lymphoma. McCallum J, et al. **J R Army Med Corps** 1987 Jun;133(2):98–9

Case for diagnosis. Lymphoplasmacytic lymphoma. Jonas DO. **Milit Med** 1987 Apr;152(4):213–5

Immunohistochemical approach as a diagnostic aid in a gastric pseudolymphoma patient. Barbaro G, et al. **Panminerva Med** 1987 Apr-Jun;29(2):161-3

Protein losing enteropathy as a sole manifestation of non-Hodgkin's lymphoma. Konar A, et al. **Postgrad Med J** 1986 May;62(727):399-400

Colorectal lymphoma simulating inflammatory colitis and diagnosed by immunohistochemistry. Sagar S, et al. **Postgrad Med J** 1986 Jan;62(723):51-3

Malignant lymphoma of the salivary gland: case reports and review of the literature. Ampil FL, et al. **Radiat Med** 1987 Jan-Feb;5(1):20-6 (30 ref.)

Orbital lymphoma. Role of CT and MRI. Flanders AE, et al. **Radiol Clin North Am** 1987 May;25(3):601-13

Lymphomatous superficial lymph nodes: US detection. Bruneton JN, et al. **Radiology** 1987 Oct;165(1):233-5

Differences in the enzymatic profile in human lymphoid tumors. Ubeira FM, et al. **Rev Esp Oncol** 1984;31(4):559-73

Relationships of toxoplasmosis with malignant neoplasias. Popa G, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jul-Sep;90(3):425-7

Non-renal urological lymphomas. Bruneton JN, et al. **ROFO** 1987 Jan;146(1):42-6

Diagnostic problems of leptomeningeal lymphoma. A report of 3 cases. Gardiner J, et al. **S Afr Med J** 1987 Apr 4; 71(7):457-9

Cell marker analysis of extranodal lymphoid infiltrates: to what extent does the determination of mono- or polyclonality resolve the diagnostic dilemma of malignant lymphoma v pseudolymphoma in an extranodal site? Knowles DM 2d, et al. **Semin Diagn Pathol** 1985 Aug; 2(3):163-8

Intra- and retroperitoneal varices simulating lymphomatous nodes--differentiation by duplex ultrasound. Chou YH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Dec;85(12):1139-43

Primary lymphoma of prostate presenting as bladder outflow obstruction. Fell P, et al. **Urology** 1987 May;29(5):555-6

[Primary malignant lymphoma of the central nervous system--report of 5 cases] Cui F, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Sep;8(5):364-6 (Eng. Abstr.) (Chi)

[The differential diagnosis between undifferentiated carcinoma and malignant lymphoma of the gastrointestinal tract by the double PAP method] Liu SL. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Mar;15(1):34-6 (Eng. Abstr.) (Chi)

[Extramedullary hematopoiesis imitating a tumor of the posterior mediastinum] Měrička O, et al. **Cas Lek Cesk** 1987 Apr 24;126(17):536-9 (Eng. Abstr.) (Cze)

[Malignant disorders of the lymphatic system (letter)] Kluin-Nelemans JC, et al. **Ned Tijdschr Geneeskd** 1986 Dec 6;130(49):2232 (Dut)

[Primary malignant lymphoma of the thyroid. A case report and a review of the literature] Ben Romdhane K, et al. **Arch Anat Cytol Pathol** 1987;35(2):83-6 (Eng. Abstr.) (Fre)

[Hepatic lymphoma simulating glycogenosis (letter)] Largilliere C, et al. **Presse Med** 1986 Dec 13;15(44):2211 (Fre)

[Lymphoid tumor of the cavum in a patient with positive LAV serology (letter)] Pulik M, et al. **Presse Med** 1986 Dec 6;15(43):2166 (Fre)

[Magnetic resonance tomographic diagnosis of mediastinal lymphoma] König H. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:157-66 (12 ref.) (Ger)

[Magnetic resonance tomographic diagnosis of abdominal manifestations of malignant lymphoma] Küper K, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:167-73 (10 ref.) (Ger)

[Magnetic resonance tomography of the neck region] Lenz M, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:141-56 (72 ref.) (Ger)

[Sonographic diagnosis of nodal and extranodal manifestations of malignant lymphoma] Pirschel J, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:63-80 (73 ref.) (Ger)

[Clinical picture of malignant lymphoma] Waller HD, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:22-32 (32 ref.) (Ger)

[Diagnosis of lymphomas on the MR tomogram (published erratum appears in ROFO 1987 Feb;146(2):239)] Dewes W, et al. **ROFO** 1986 Nov;145(5):560-4 (Eng. Abstr.) (Ger)

[Primary malignant lymphoma of the stomach. Barium meal, sonography and computed tomography] Lorenz R, et al. **ROFO** 1987 Aug;147(2):156-60 (Eng. Abstr.) (Ger)

[Ultrasonic diagnosis, computed tomography and lymphography of retroperitoneal lymphomas--re-evaluation of lymphography] Wolff P, et al. **Strahlenther Onkol** 1987 Feb;163(2):109-13 (Eng. Abstr.) (Ger)

[Phenotypic and genotypic marker in malignant lymphomas: cellular origin of Hodgkin's disease and malignant histiocytosis as well as implications for classifying T-cell and B-cell lymphomas] Stein H, et al. **Verh Dtsch Ges Pathol** 1986;70:127-51 (Eng. Abstr.) (Ger)

[Rare neoplastic and common pathologies of the thyroid] Giustozzi GM, et al. **Minerva Med** 1986 Dec 22; 77(49-50):2319-21 (Eng. Abstr.) (Ita)

[Malignant lymphoma of the ileum] Kuwabara S, et al. **Gan No Rinsho** 1986 Dec;32(15):2015-20 (Eng. Abstr.) (Jpn)

[Needle aspiration cytology of malignant lymphoma of the thyroid] Matsuda M, et al. **Gan No Rinsho** 1987 Jan; 33(1):21-6 (Eng. Abstr.) (Jpn)

[Pulmonary malignant lymphoma--a case report] Oh S, et al. **Gan No Rinsho** 1986 Nov;32(14):1860-6 (Eng. Abstr.) (Jpn)

[Serological and immunomolecular markers for the diagnosis of hematopoietic tumors] Ueda R, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2176-84 (Eng. Abstr.) (Jpn)

[A case of primary hepatic malignant lymphoma diagnosed by needle biopsy under peritoneoscopic examination] Yuasa K, et al. **Nippon Naika Gakkai Zasshi** 1986 Nov; 75(11):1616-21 (Jpn)

[A case with multiple lymphomatous polyposis] Yoshioka T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jun; 83(6):1209-13 (Jpn)

[Clinical role of the periodic measurement of urinary polyamine in hematological malignancies] Nagoshi H, et al. **Rinsho Byori** 1986 Oct;34(10):1168-72 (Jpn)

[In vitro differentiation of hematologic malignant cells with phorbol myristate acetate] Hirose M, et al. **Rinsho Ketsueki** 1987 Mar;28(3):350-7 (Eng. Abstr.) (Jpn)

[Immunoblastic lymphadenopathy (IBL)-like T cell lymphoma associated with hypoplastic anemia, thrombocytopenia and abnormality of coagulation] Okada T, et al. **Rinsho Ketsueki** 1987 May;28(5):756-61 (Eng. Abstr.) (Jpn)

[Evaluation of acid esterase activity in neoplastic cells of the peripheral blood and bone marrow in various neoplastic diseases of the hematopoietic system] Mariańska B, et al. **Acta Haematol Pol** 1986 Jan-Jun;17(1-2):34-8 (Eng. Abstr.) (Pol)

[Malignant lymphoma of the eye: diagnostic difficulties] Sporny S. **Klin Oczna** 1986 Dec;88(12):435-7 (Eng. Abstr.) (Pol)

[Problem of isolated malignant lymphoma of the larynx] Szmeja Z, et al. **Otolaryngol Pol** 1986;40(4):247-54 (Eng. Abstr.) (Pol)

[Ultrasonographic studies of lymph nodes and parenchymal organs of the abdominal cavity in malignant lymphomas] Wojnar J, et al. **Pol Arch Med Wewn** 1986 Apr;75(4):281-7 (Eng. Abstr.) (Pol)

[Diagnostic difficulties in an unusual case of centrocytic lymphoma] Duda G, et al. **Wiad Lek** 1986 Nov 15; 39(22):1562-4 (Eng. Abstr.) (Pol)

[Diagnosis of lymphoma of the small intestine] Nikosavić S, et al. **Vojnosanit Pregl** 1986 Nov-Dec;43(6):444-6 (Eng. Abstr.) (Scr)

[Generalized adenopathies as a presentation of systemic lupus erythematosus: a cause of diagnostic errors] Chocarro A, et al. **Rev Clin Esp** 1986 Oct;179(5):276-7 (Spa)

[Esophageal lymphoma. Presentation of a case (letter)] Pila Pérez R, et al. **Rev Clin Esp** 1987 Mar;180(4):221-2 (Spa)

DRUG THERAPY

Large interindividual variations in the pharmacokinetics of oral 6-mercaptopurine in maintenance therapy of children with acute leukaemia and non-Hodgkin lymphoma. Lafolie P, et al. **Acta Paediatr Scand** 1986 Sep;75(5):797-803

Alpha interferon in the treatment of hematologic malignancies. Roth MS, et al. **Am J Med** 1986 Nov; 81(5):871-82 (134 ref.)

Clinical and in vitro antiproliferative properties of recombinant DNA-derived human interferon-alpha 2. Freedman MH, et al. **Am J Pediatr Hematol Oncol** 1986 Fall;8(3):178-82

Preclinical assessment of purging with VP-16-213: key role for long-term marrow cultures. Kushner BH, et al. **Blood** 1987 Jan;69(1):65-71

Effective multiagent chemotherapy in children with advanced B-cell lymphoma: who remains the high risk patient? Philip T, et al. **Br J Haematol** 1987 Feb; 65(2):159-64

The effect of naproxen on fever in children with malignancies. Azeemuddin SK, et al. **Cancer** 1987 Jun 1; 59(11):1966-8

Biochemical consequences of 2'-deoxycoformycin treatment in a patient with T-cell lymphoma. Some unusual findings. de Korte D, et al. **Cancer** 1987 Aug 15;60(4):750-5

A preliminary study on the evaluation of asparaginase. Polyethylene glycol conjugate against canine malignant lymphoma. MacEwen EG, et al. **Cancer** 1987 Jun 15; 59(12):2011-5

Pregnancy outcome in cancer patients. Experience in a large cooperative group. Mulvihill JJ, et al. **Cancer** 1987 Sep 1;60(5):1143-50

Comparative effects of 7 beta-hydroxycholesterol towards murine lymphomas, lymphoblasts and lymphocytes: selective cytotoxicity and blastogenesis inhibition. Hietter H, et al. **Cancer Biochem Biophys** 1986 Dec;9(1):75-83

Treatment of advanced refractory lymphoma with teniposide and lomustine. Grossberg H, et al. **Cancer Treat Rep** 1987 Feb;71(2):215-6

Phase II evaluation of bolus gallium nitrate in lymphoproliferative disorders: a Southeastern Cancer Study Group trial. Keller J, et al. **Cancer Treat Rep** 1986 Oct;70(10):1221-3

Activity of bisantrene in refractory lymphoma. McLaughlin P, et al. **Cancer Treat Rep** 1987 Jun;71(6):631-3

Salvage chemotherapy of advanced lymphoma with investigational drugs: mitoguazone, gallium nitrate, and etoposide. Warrell RP Jr, et al. **Cancer Treat Rep** 1987 Jan;71(1):47-51

Laboratory detection of primary and acquired drug resistance in human lymphatic neoplasms. Weisenthal LM, et al. **Cancer Treat Rep** 1986 Nov;70(11):1283-95

Protective effect of partially purified human urinary colony-stimulating factor on granulocytopenia after antitumor chemotherapy. Motoyoshi K, et al. **Exp Hematol** 1986 Dec;14(11):1069-75

Path model of multidimensional compliance with cancer therapy. Richardson JL, et al. **Health Psychol** 1987; 6(3):183-207

Role of 2'-mercaptopropionylglycine (MPG) against toxicity of cyclophosphamide in normal and tumour-bearing mice. Bhanumathy P, et al. **Indian J Exp Biol** 1986 Dec; 24(12):767-70

Treatment of cutaneous T-cell lymphoma with the arotinoid Ro 13-6298. Tousignant J, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 2):167-71

Results of MIME salvage regimen for recurrent or refractory lymphoma. Cabanillas F, et al. **J Clin Oncol** 1987 Mar; 5(3):407-12

Diffuse large-cell lymphoma: more CHOP-Bleo is not better [editorial] Coltman CA Jr. **J Clin Oncol** 1986 Oct; 4(10):1439-40

AIDS-related malignant lymphoma: results of prospective treatment trials. Gill PS, et al. **J Clin Oncol** 1987 Sep; 5(9):1322-8

Cerebellar toxicity with high-dose cytosine arabinoside. Herzig RH, et al. **J Clin Oncol** 1987 Jun;5(6):927-32

A ten-year update of CHOP-BLEO in the treatment of diffuse large-cell lymphoma [letter] Hryniuk WM. **J Clin Oncol** 1987 Apr;5(4):682

A 10-year update of CHOP-Bleo in the treatment of diffuse large-cell lymphoma. Lee R, et al. **J Clin Oncol** 1986 Oct; 4(10):1455-61

Compliance with oral drug therapy in patients with hematologic malignancy. Levine AM, et al. **J Clin Oncol** 1987 Sep;5(9):1469-76

Clinical pharmacodynamics of continuous infusion teniposide: systemic exposure as a determinant of response in a phase I trial. Rodman JH, et al. **J Clin Oncol** 1987 Jul;5(7):1007-14

The lymphomas: biologic implications of therapy and therapeutic implications of the new biology. DeVita VT Jr, et al. **Monogr Pathol** 1987;(29):249-67 (94 ref.)

Treatment of cutaneous T-cell lymphoma by extracorporeal photochemotherapy. Preliminary results. Edelson R, et al. **N Engl J Med** 1987 Feb 5;316(6):297-303

Chemotherapeutic effects of 13 nitrosoureas on the LSA lymphoma ascites tumor of the C57BL mouse. Feola JM, et al. **Oncology** 1986;43(6):378-84

Advances in cancer chemotherapy: lymphomas and breast cancer. December 5, 1896, San Francisco. **Semin Hematol** 1987 Apr;24(2 Suppl 1):1-69

[Methods of evaluating residual disease in bone marrow in malignant hemopathies. Prospectives] Hervé P, et al. **Nouv Rev Fr Hematol** 1987;29(2):103-6 (26 ref.) (Fre)

[Contribution of anthracyclines in treatment of lymphoproliferative disorders] Coiffier B. **Pathol Biol (Paris)** 1987 Jan;35(1):75-8 (Eng. Abstr.) (Fre)

[Comparison of CHOP and COP-BLAM chemotherapy in highly malignant non-Hodgkin's lymphoma] Gerhartz HH, et al. **Dtsch Med Wochenschr** 1986 Oct 3;111(40):1511-5 (Eng. Abstr.) (Ger)

[Clinical relevance of glucocorticoid receptors in the treatment of lymphoid neoplasias] Gehring U, et al. **Klin Wochenschr** 1987 Mar 16;65(6):247-52 (Eng. Abstr.) (Ger)

[Single-agent trial with epirubicin in hematological malignancies] Kobayashi T, et al. **Gan No Rinsho** 1987 Feb; 33(2):184-7 (Eng. Abstr.) (Jpn)

[Clinical trial of bestrabucil (KM 2210) in hematopoietic malignancies] Naito K, et al. **Gan No Rinsho** 1986 Sep; 32(11):1443-50 (Eng. Abstr.) (Jpn)

[Phase II study of etoposide (VP-16) in the form of intravenous injection for malignant lymphomas and acute leukemias: Hanshin Cooperative Study Group for Hematological Disorders] Tagawa S, et al. **Gan No Rinsho** 1987 Jan;33(1):1-7 (Eng. Abstr.) (Jpn)

[Spectral EEG analysis in children treated with high-dose methotrexate] Fujii Y, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 1):659-67 (Eng. Abstr.) (Jpn)

[Anticancer drug sensitivity test and its clinical evaluation in 15 cases of acute leukemia and lymphoma] Hongo T, et al. **Gan To Kagaku Ryoho** 1987 Feb;14(2):416-20 (Eng. Abstr.) (Jpn)

[Cancer chemotherapy combined with a calcium antagonist in patients with hematologic malignancies and solid tumors resistant to standard chemotherapy] Sampi K. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):951-5 (Eng. Abstr.) (Jpn)

[Therapeutic effect of human lymphoblastoid interferon (MOR-22) on malignant skin tumors--a phase II study] Mishima Y. **Nippon Gan Chiryo Gakkai Shi** 1986 Jun 20; 21(5):1059-67 (Eng. Abstr.) (Jpn)

[MCOP therapy of malignant lymphoma] Sannomiya Y, et al. **Rinsho Ketsueki** 1987 Apr;28(4):519–23 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Multiple effects of phorbol esters on hormone-sensitive adenylate cyclase activity in S49 lymphoma cells. Bell JD, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):E783–9

The amino terminal region of the p56 lck from LSTRA exerts negative modulation on the tyrosine kinase activity. Fischer S, et al. **Biochem Biophys Res Commun** 1987 Mar 30; 143(3):819–26

Human T lymphocytes express a protein-tyrosine kinase homologous to p56LSTRA. Trevillyan JM, et al. **Biochim Biophys Acta** 1986 Oct 10;888(3):286–95

Superoxide dismutase, glutathione peroxidase and catalase in the red cells of patients with malignant lymphoma. Bewick M, et al. **Br J Haematol** 1987 Mar;65(3):347–50

Occurrence of particular isoenzymes in fresh and cultured leukemia-lymphoma cells. III. Esterase isoenzyme in monocytes. Drexler HG, et al. **Cancer** 1987 Jan 1; 59(1):77–82

Purine degradative enzymes in circulating malignant cells of patients with chronic B cell neoplasia. Ho AD, et al. **Hematol Oncol** 1987 Jan-Mar;5(1):9–17

Superoxide dismutase level in human erythrocytes and its clinical application to the patients with cancers and thyroidal dysfunctions. Saito T. **Hokkaido Igaku Zasshi** 1987 Mar;62(2):257–68

Cloned cytolytic T-effector cells and their malignant variants produce an extracellular matrix degrading trypsin-like serine proteinase. Simon MM, et al. **Immunology** 1987 Feb; 60(2):219–30

Phosphorylation of regulatory subunit of type I cyclic AMP-dependent protein kinase: biphasic effects of cyclic AMP in intact S49 mouse lymphoma cells. Russell JL, et al. **J Cell Physiol** 1987 Feb;130(2):207–13

Histochemistry of dipeptidyl aminopeptidase (DAP) II and IV in reactive lymphoid tissues and malignant lymphoma. Khalaf MR, et al. **J Clin Pathol** 1987 May;40(5):480–5

Isoenzyme studies in human leukemia–lymphoma cell lines—V. Induction of differentiation by T-cell derived differentiation–inducing activity. Drexler HG, et al. **Leuk Res** 1987;11(1):85–96

Enumeration of terminal deoxynucleotidyl transferase positive cells in leukemia/lymphoma by flow cytometry. Hirata M, et al. **Leuk Res** 1987;11(6):509–18

Characterization of thymidine kinase in L5178Y mouse lymphoma cells. Palmer KA, et al. **Toxicol Ind Health** 1985 Nov;1(3):1–12

[Lactate dehydrogenase isoenzymes in chronic lympholeukemia and lymphoma] Predtechenskaia VS, et al. **Lab Delo** 1987;(4):269–71 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Transformation of lymphocytoma cutis into a malignant lymphoma in association with the sign of Leser-Trélat. Halevy S, et al. **Acta Derm Venereol (Stockh)** 1987; 67(2):172–5

Effect of high 131I doses to the thyroid gland on tumorigenicity of 90Sr and 90Y in mice. Gimeno EJ, et al. **Acta Radiol [Oncol]** 1986 Jul–Dec;25(4–6):261–7

Epstein–Barr virus infection and oncogenesis in primary immunodeficiency. Okano M, et al. **AIDS Res** 1986 Dec; 2 Suppl 1:S115–9

Lymphotropic viruses, Epstein–Barr virus (EBV) and human T-cell lymphotropic virus–I (HTLV–I)/adult T-cell leukemia virus (ATLV), and HTLV–III/human immune deficiency virus (HIV) as etiological agents of malignant lymphoma and immune deficiency. Purtilo DT. **AIDS Res** 1986 Dec;2 Suppl 1:S1–6 (39 ref.)

Primary central nervous system lymphoma in acquired immune deficiency syndrome: a clinical and pathological study. So YT, et al. **Ann Neurol** 1986 Nov;20(5):566–72

Cancer in ataxia–telangiectasia patients: analysis of factors leading to radiation—induced and spontaneous tumors. Becker Y. **Anticancer Res** 1986 Sep-Oct;6(5):1021–32 (93 ref.)

Oncogenesis by Moloney murine leukemia virus. Tsichlis PN. **Anticancer Res** 1987 Mar–Apr;7(2):171–80

Virology, genetics and immunology of murine lymphomagenesis. Zijlstra M, et al. **Biochim Biophys Acta** 1986 Oct 28;865(2):197–231 (448 ref.)

ABC of AIDS. Tumours. Smith N, et al. **Br Med J [Clin Res]** 1987 May 16;294(6582):1274–7

Human immunodeficiency virus–associated T-cell lymphoblastic lymphoma in AIDS. Presant CA, et al. **Cancer** 1987 Oct 1;60(7):1459–61

Non–Hodgkin's lymphoma following successful treatment of Hodgkin's disease. Amin R, et al. **Clin Radiol** 1986 Sep; 37(5):483–6

Non–Hodgkin's lymphoma following radiotherapy for Hodgkin's disease. Karp SJ, et al. **Clin Radiol** 1986 Sep; 37(5):479–81

Pathogenesis of cutaneous T-cell lymphoma. Toback AC, et al. **Dermatol Clin** 1985 Oct;3(4):605–14 (63 ref.)

Lymphomatoid papulosis, cutaneous T-cell lymphoma, and Hodgkin's disease: diseases of activated helper T cells? Fine RM. **Int J Dermatol** 1986 Dec;25(10):636–7

Carcinogenic and co–carcinogenic effects of radiation in rat mammary carcinogenesis and mouse T-cell lymphomagenesis: a review. Yokoro K, et al. **Int J Radiat Biol** 1987 Jun;51(6):1069–80 (47 ref.)

Gangliosides shed by tumor cells enhance tumor formation in mice. Ladisch S, et al. **J Clin Invest** 1987 Jun; 79(6):1879–82

Low-grade lymphomas in young homosexual men without LAV/HTLV III infection [letter] Andrieu JM, et al. **J Clin Oncol** 1986 Nov;4(11):1716

Posttransplant lymphoma. Sonographic characteristics of renal allograft involvement. Russ PD, et al. **J Ultrasound Med** 1987 Aug;6(8):453–6

B-lymphoma induction by reticuloendotheliosis virus: characterization of a mutated chicken syncytial virus provirus involved in c-myc activation. Swift RA, et al. **J Virol** 1987 Jul;61(7):2084–90

Abelson murine leukemia virus–induced thymic lymphomas: transformation of a primitive lymphoid precursor. D'Andrea E, et al. **JNCI** 1987 Jul;79(1):189–95

Malignant lymphomas, AIDS, and the pathogenic role of Epstein–Barr virus. Ciobanu N, et al. **Mt Sinai J Med (NY)** 1986 Dec;53(8):627–38

Assessment of the risks of malignancy and lymphomas developing in patients using Sandimmune. Cockburn I. **Transplant Proc** 1987 Feb;19(1 Pt 2):1804–7

Epstein–Barr–virus–related malignant B cell lymphoplasmacytic lymphoma following allogeneic bone marrow transplantation for aplastic anemia. Forman SJ, et al. **Transplantation** 1987 Aug;44(2):244–9

[Lymphomas and AIDS] Raphael M, et al. **Ann Pathol** 1986; 6(4–5):278–81 (Eng. Abstr.) **(Fre)**

[Primary lymphoma on a pouch following collapse therapy] Bah T, et al. **Rev Pneumol Clin** 1987;43(2):95–7 (Eng. Abstr.) **(Fre)**

[Primary immunodeficiency syndromes and malignant neoplasms] Kobayashi N, et al. **Gan No Rinsho** 1987 Apr; 33(5 Suppl):495–500 (Eng. Abstr.) **(Jpn)**

[A case of congenital lipoatrophic diabetes with conjunctival pseudolymphoma and Sjögren's syndrome] Gotoh M, et al. **Nippon Naika Gakkai Zasshi** 1986 Nov;75(11):1622–8 **(Jpn)**

[Kaposi's sarcoma and malignant lymphoma in AIDS] Okamoto S. **Nippon Rinsho** 1986 Oct;44(10):2193–7 **(Jpn)**

[Association of peripheral T-cell lymphoma in a patient with Sjögren's syndrome] Ohsaka A, et al. **Rinsho Ketsueki** 1986 Nov;27(11):2173–7 (Eng. Abstr.) **(Jpn)**

[Primary B cell lymphoma of the skull following head trauma; a case report] Tagawa M, et al. **Rinsho Ketsueki** 1987 Apr;28(4):589–93 (Eng. Abstr.) **(Jpn)**

[Modelling of malignant lymphoma in rabbits using primate oncogenic viruses. Preliminary report] Iakovleva LA, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):336–8 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Gene rearrangements in lymphoma. Applications to dermatopathology. LeBoit PE, et al. **Am J Dermatopathol** 1987 Jun;9(3):212–8 (32 ref.)

Malignant lymphoma–related disorder with anomalous surface phenotype [letter] Imamura N, et al. **Am J Hematol** 1987 Jan;24(1):115–6

Significance of gene rearrangement [letter] Wolfson WL. **Am J Surg Pathol** 1987 Jun;11(6):491–2

The role of chromosomal translocations in B- and T-cell neoplasia. Showe LC, et al. **Annu Rev Immunol** 1987; 5:253–77 (82 ref.)

Single–base mutations associated with mouse lymphomas. Guerrero I, et al. **Basic Life Sci** 1986;39:313–22

Regulation of expression of c-fos and c-myc in rat lymphoma Nb-2 cells. Andrews GK, et al. **Biochim Biophys Acta** 1987 Aug 25;909(3):231–6

Hypermethylation of the 5' region of the calcitonin gene is a property of human lymphoid and acute myeloid malignancies. Baylin SB, et al. **Blood** 1987 Aug;70(2):412–7

The gene located at chromosome 18 band q21 is rearranged in uncultured diffuse lymphomas as well as follicular lymphomas. Lee MS, et al. **Blood** 1987 Jul;70(1):90–5

Development of T3/T cell receptor gene expression in human pre–T neoplasms. Pittaluga S, et al. **Blood** 1987 Apr; 69(4):1062–7

Chromosome aberrations and clinical features of adult T cell leukemia–lymphoma not associated with human T cell leukemia virus type I. Shimoyama M, et al. **Blood** 1987 Apr;69(4):984–9

Immunoglobulin and T cell receptor gene rearrangements in human lymphoma and leukemia. Williams ME, et al. **Blood** 1987 Jan;69(1):79–86

Mitozantrone–induced toxicity and DNA strand breaks in leukaemic cells. Ho AD, et al. **Br J Haematol** 1987 Jan; 65(1):51–5

T-cell origin of Lennert's lymphoma. O'Connor NT, et al. **Br J Haematol** 1986 Nov;64(3):521–8

Malignant lymphoma in the X–linked lymphoproliferative syndrome. Harrington DS, et al. **Cancer** 1987 Apr 15; 59(8):1419–29

Monosomy 21, partial duplication of chromosome 11, and structural abnormality of chromosome 1q21 in a case of lymphoma developing in a transplant recipient: characteristic abnormalities of secondary lymphoma? Cabanillas F, et al. **Cancer Genet Cytogenet** 1987 Jan; 24(1):7–10

ins(6;11) in a case of peripheral T-cell lymphoma. Donti E, et al. **Cancer Genet Cytogenet** 1987 Aug;27(2):367–9

Karyotypic evolution in a B-cell lymphoma. Fitzgerald PH, et al. **Cancer Genet Cytogenet** 1987 Feb;24(2):271–9

Clonal chromosomal abnormalities in cutaneous T-cell lymphoma. Shapiro PE, et al. **Cancer Genet Cytogenet** 1987 Oct;28(2):267–76

Loss of a Hu-ets-1 allele in human leukemia cell lines ML-1, -2, and -3 with a chromosome change at 11q24. Ohyashiki K, et al. **Cancer Res** 1987 Jul 15;47(14):3842–6

Clonal evolution of t(14;18) follicular lymphomas demonstrated by immunoglobulin genes and the 18q21 major breakpoint region. Raffeld M, et al. **Cancer Res** 1987 May 15;47(10):2537–42

The mechanism of chromosome 14 inversion in a human T cell lymphoma. Baer R, et al. **Cell** 1987 Jul 3;50(1):97–105

The c-myc oncogene perturbs B lymphocyte development in E-mu-myc transgenic mice. Langdon WY, et al. **Cell** 1986 Oct 10;47(1):11–8

Molecular genetics of human B- and T-cell neoplasia. Croce CM, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:891–8

Molecular genetics of antigen receptors and associated chromosomal abnormalities in human leukemias. Rabbitts TH, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:923–30

Mechanisms in B-cell neoplasia. Workshop at the National Cancer Institute, National Institutes of Health. Bethesda, MD, USA, March 24–26, 1986. **Curr Top Microbiol Immunol** 1986;132:1–374

c-myc–induced lymphomagenesis in transgenic mice and the role of the Pvt-1 locus in lymphoid neoplasia. Adams JM, et al. **Curr Top Microbiol Immunol** 1986;132:1–8

Structural modification of c-abl in lymphoma and leukemia. Ben-Neriah Y, et al. **Curr Top Microbiol Immunol** 1986; 132:81–9

Structure and expression of c-myb protooncogene mRNA in murine B-cells. Bender TP, et al. **Curr Top Microbiol Immunol** 1986;132:153–8

Transformation and insertional mutagenesis in vitro of primary hematopoietic stem cell cultures. Cleveland JL, et al. **Curr Top Microbiol Immunol** 1986;132:44–54

Genomic activity and translocation in lymphocytes. Kirsch IR, et al. **Curr Top Microbiol Immunol** 1986;132:159–61

Complex regulation of c-myc gene expression in a murine B cell lymphoma. Levine RA, et al. **Curr Top Microbiol Immunol** 1986;132:305–12

Lymphohematopoietic and other malignant neoplasms occurring spontaneously in transgenic mice carrying and expressing MTV/myc fusion genes. Pattengale P, et al. **Curr Top Microbiol Immunol** 1986;132:9–16

c-myc activation in spontaneous rat immunocytomas containing a 6;7 chromosomal translocation. Pear WS, et al. **Curr Top Microbiol Immunol** 1986;132:169–74

Molecular genetics of human B-cell neoplasia. Tsujimoto Y, et al. **Curr Top Microbiol Immunol** 1986;132:183–92

Induction of hematopoietic tumors using a viral construct containing c-myc cDNA from normal mouse spleen. Wolff L, et al. **Curr Top Microbiol Immunol** 1986;132:33–9

Constitutional translocations and predisposition to T- and B-cell malignancies. Pathak S. **Cytogenet Cell Genet** 1986; 43(3–4):223–5

Development of an intact hepatocyte activation system for routine use with the mouse lymphoma assay. Brock KH, et al. **Environ Mutagen** 1987;9(3):331–41

Modification of tRNA and its applicability for the assessment of prognosis, state of differentiation, and clonality in human leukemias and lymphomas. Emmerich B, et al. **Hamatol Bluttransfus** 1987;30:241–50

Molecular genetics of human B cell neoplasia. Croce CM. **Horiz Biochem Biophys** 1986;8:545–70

Site–dependent phenotypic heterogeneity in peripheral T–cell lymphoma. Duque RE, et al. **Hum Pathol** 1986 Sep; 17(9):967–70

A mutant lymphoma cell line with a defective Thy–1 glycoprotein gene. Evans GA, et al. **Immunogenetics** 1987; 25(1):28–34

Somatic mutation in human B–cell tumors. Levy R, et al. **Immunol Rev** 1987 Apr;96:43–58 (25 ref.)

Somatic rearrangement of the c–myc oncogene in primary human diffuse large–cell lymphoma. Chenevix–Trench G, et al. **Int J Cancer** 1986 Oct 15;38(4):513–6

c–yes and bcl–2 genes located on 18q21.3 in a follicular lymphoma cell line carrying a t(14;18) chromosomal translocation. Ohno H, et al. **Int J Cancer** 1987 Jun 15; 39(6):785–8

Conversion of the lymphoma line "BJAB" by Epstein–Barr virus into phenotypically altered sublines is accompanied by increased c–myc mRNA levels. Wennborg A, et al. **Int J Cancer** 1987 Aug 15;40(2):202–6

Flow cytometric DNA analysis of malignant lymphomas with primary bone manifestation. Vassallo J, et al. **J Cancer Res Clin Oncol** 1987;113(3):249–52

Differential expression of metastasis–associated cell surface glycoproteins and mRNA in a murine large cell lymphoma. Nicolson GL, et al. **J Cell Biochem** 1986;31(4):305–12

Antigen receptor genes as molecular markers of lymphoid neoplasms. Korsmeyer SJ. **J Clin Invest** 1987 May; 79(5):1291–5 (62 ref.)

Retroviral activation of interleukin 2 gene in a gibbon ape T cell lymphoma line. Durand DB, et al. **J Exp Med** 1986 Nov 1;164(5):1723–34

Genetically determined resistance to 3-methylcholanthrene-induced lymphoma is expressed at the level of bone marrow-derived cells. Ishizaka ST, et al. **J Exp Med** 1987 Aug 1;166(2):565–70

Isotype switching in human B lymphocyte malignancies occurs by DNA deletion: evidence for nonspecific switch recombination. Borzillo GV, et al. **J Immunol** 1987 Aug 15;139(4):1326–35

Genotypic analysis of cutaneous T-cell lymphomas. Ralfkiaer E, et al. **J Invest Dermatol** 1987 Jun;88(6):762–5

Chromosomal aberrations in an ionizing radiation-sensitive mouse lymphoma mutant cells exposed to gamma-rays and 4-nitroquinoline-1-oxide. Takahashi E, et al. **J Radiat Res (Tokyo)** 1986 Dec;27(4):362–70

An aberrant avian leukosis virus provirus inserted downstream from the chicken c-myc coding sequence in a bursal lymphoma results from intrachromosomal recombination between two proviruses and deletion of cellular DNA. Nottenburg C, et al. **J Virol** 1987 Jun; 61(6):1828–33

HTLV-I-related agent and non-Hodgkin lymphomas in married couple [letter] Saal JG, et al. **Lancet** 1987 Mar 21;1(8534):686–7

Concomitant rearrangements of T-cell beta- and gamma-chain genes in childhood T-lineage leukemia/lymphoma. Ha-Kawa K, et al. **Leuk Res** 1987; 11(8):739–45

Rearrangement of immunoglobulin heavy chain genes and T3 expression in the absence of rearrangement of T-cell receptor beta-chain gene in a patient with T-cell malignant lymphoma. Ogawa H, et al. **Leuk Res** 1986;10(12):1369–75

AKXD recombinant inbred strains: models for studying the molecular genetic basis of murine lymphomas. Mucenski ML, et al. **Mol Cell Biol** 1986 Dec;6(12):4236–43

Features of the chicken c-myc gene that influence the structure of c-myc RNA in normal cells and bursal lymphomas. Nottenburg C, et al. **Mol Cell Biol** 1986 Aug; 6(8):2800–6

Rearrangement of rat immunoglobulin E heavy-chain and c-myc genes in the B-cell immunocytoma IR162. Tian SS, et al. **Mol Cell Biol** 1987 Jul;7(7):2614–9

Cytogenetics of leukemia and lymphoma. Chaganti RS. **Monogr Pathol** 1987;(29):184–203 (87 ref.)

Oncogene activation in hematopoietic malignancies. Sherr CJ, et al. **Monogr Pathol** 1987;(29):225–48 (191 ref.)

Chromosome and oncogene rearrangements in leukemia and lymphoma. Yunis JJ. **Monogr Pathol** 1986;(27):91–6

Multiple recurrent genomic defects in follicular lymphoma. A possible model for cancer. Yunis JJ, et al. **N Engl J Med** 1987 Jan 8;316(2):79–84

Spontaneous lymphoma in an AKR mouse with dominance of 42 chromosomes. Selypes A, et al. **Neoplasma** 1986; 33(5):571–4

Comparative chromosome examination of AKR mouse lymphoma after its i.p. transplantation with thymus- or spleen-derived lymphoma cells into hybrid mice. Selypes A, et al. **Neoplasma** 1986;33(6):707–11

Gene patterns of immunoglobulin heavy chain in various cell lines and lymphoid malignancies. Miwa H, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Sep;49(6):1188–94

The c-myc expression in childhood leukemia and lymphoma. Sunami S, et al. **Nippon Ketsueki Gakkai Zasshi** 1987 Feb; 50(1):109–13

Retention of an idiotypic determinant in a human B-cell lymphoma undergoing immunoglobulin variable-region mutation. Kon S, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(14):5053–7

Localization of a lymphocyte-specific protein tyrosine kinase gene (lck) at a site of frequent chromosomal abnormalities in human lymphomas. Marth JD, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7400–4

Identification of the protein encoded by the human diffuse B-cell lymphoma (dbl) oncogene. Srivastava SK, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):8868–72

Differential expression of c-myb mRNA in murine B lymphomas by a block to transcription elongation. Bender TP, et al. **Science** 1987 Sep 18;237(4821):1473–6

Chromosome translocations in B and T cell neoplasias. Showe LC, et al. **Semin Hematol** 1986 Oct;23(4):237–44 (52 ref.)

[A minority of thymic lymphomas induced in the rat by a murine radioleukosis virus presents insertion in the vicinity of c-myc and a majority, a new nonviral polyadenylated RNA] Janowski M, et al. **C R Soc Biol (Paris)** 1987; 181(1):55–61 (Eng. Abstr.) **(Fre)**

[Oncogenes and neoplasms in children: hemo-lymphoproliferative diseases. II] Tonini GP, et al. **Minerva Pediatr** 1986 Oct 15;38(19):813–8 (Eng. Abstr.) **(Ita)**

[Interaction of cancer family history and environmental factors in the risk of cancer—with special reference to childhood malignancies] Hirayama T. **Gan No Rinsho** 1987 Apr;33(5 Suppl):560–6 (Eng. Abstr.) **(Jpn)**

[Abnormalities in chromosome 12 of T cell malignancies] Edamura S, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1850–5 (Eng. Abstr.) **(Jpn)**

[Chromosome translocation in hemopoietic tumor and oncogene activation] Sakurai M. **Tanpakushitsu Kakusan Koso** 1986 Oct;31(12):1109–15 (14 ref.) **(Jpn)**

IMMUNOLOGY

Primary malignant lymphoma of the brain: an immunohistochemical study of eight cases using a panel of monoclonal and heterologous antibodies. Kumanishi T, et al. **Acta Neuropathol (Berl)** 1986;71(3-4):190–6

Expression of IgD on B cell malignancy. An immunopathological study of 50 cases. Mori S, et al. **Acta Pathol Jpn** 1986 Oct;36(10):1429–40

Surface marker expression of human B-cell lymphomas. Ishii Y, et al. **AIDS Res** 1986 Dec;2 Suppl 1:S87–93

Identification and possible significance of HNK-1+ human lymphocytes, macrophages, and non-neoplastic T-cells in cutaneous lymphoma. McMillan E, et al. **Am J Dermatopathol** 1987 Feb;9(1):2–9

HTLV-I-associated lymphoma involving the entire alimentary tract and presenting with an acquired immune deficiency. Cappell MS, et al. **Am J Med** 1987 Mar 23;82(3 Spec No):649–54

Detailed phenotypic analysis of B-cell lymphoma using a panel of antibodies reactive in routinely fixed wax-embedded tissue. Norton AJ, et al. **Am J Pathol** 1987 Aug;128(2):225–40

Expression of a Hodgkin and Reed-Sternberg cell associated antigen (Ki-1) in cutaneous lymphoid infiltrates. Ralfkiaer E, et al. **Arch Dermatol Res** 1987;279(5):285–92

The influence of immunoglobulin genes in lymphoid oncogenesis. Adams JM. **Bioessays** 1986 Jun;4(6):267–9

Analysis with antiidiotype antibody of a patient with chronic lymphocytic leukemia and a large cell lymphoma (Richter's syndrome). Bertoli LF, et al. **Blood** 1987 Jul;70(1):45–50

In vitro tests that predict tumor-associated idiotype levels in the serum of patients with B cell lymphomas and leukemias. Miller RA, et al. **Blood** 1987 Apr;69(4):1249–54

A monoclonal antibody to the heavy chain of human IgM with a particular reaction pattern in human B-cell malignancies. Henke M, et al. **Blut** 1987 Sep;55(3):173–9

The diffusion of a tumour-specific monoclonal antibody in lymphoma infiltrated spleen. Cobb LM, et al. **Br J Cancer** 1987 Jan;55(1):53–5

Humoral response to wheat protein in patients with celiac disease and enteropathy associated T cell lymphoma [letter] Loft DE, et al. **Br Med J [Clin Res]** 1986 Nov 29; 293(6559):1439

Richter's syndrome with two different B-cell clones. McDonnell JM, et al. **Cancer** 1986 Nov 1;58(9):2031–7

Primary small intestinal lymphoma in adults. A comparative study of IPSID versus non-IPSID in the Middle East. Salem P, et al. **Cancer** 1987 May 1;59(9):1670–6

Inhibition and augmentation of lymphoma metastasis by adoptively transferred peritoneal macrophages in hamster. Mashiba H, et al. **Cancer Lett** 1986 Oct;33(1):11–8

Correlations between immunological phenotype and karyotype in malignant lymphoma. Levine EG, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6481–8

Differential expression of surface markers on thymic lymphomas induced by two carcinogenic agents in different mouse strains. Diamond LE, et al. **Cell Immunol** 1987 Jun; 107(1):115–20

Induction of tumor cell resistance to macrophage-mediated lysis by preexposure to non-activated macrophages. Fishman M, et al. **Cell Immunol** 1986 Apr 15;99(1):241–56

In vivo natural antitumor resistance against murine EL-4 lymphoma cells in lethally irradiated syngeneic C57Bl/6 mice. Iorio AM, et al. **Cell Immunol** 1987 Aug;108(1):85–96

Influence of interferon on the functional expression of natural killer target structures of murine lymphoma cells. Marini S, et al. **Cell Immunol** 1986 Oct 1;102(1):113–25

An active T-cell-independent mechanism enhances MHC class I transcription and expression on a mouse T-cell lymphoma in vivo. Petersson MG, et al. **Cell Immunol** 1987 Sep;108(2):460–72

The congenic mutant B6.C-H-2bm-1 (H-2bm-1) serological response to the T-cell receptor on EL4. Saunders PH, et al. **Cell Immunol** 1986 Sep;101(2):586–92

Immunotyping malignant lymphomas. A boon to diagnosis. Grogan TM, et al. **Cleve Clin Q** 1986 Fall;53(3):315–7

Busulfan and chloramphenicol induced T cell lymphoma: cell surface characteristics and functional properties. Bhoopalam N, et al. **Clin Exp Immunol** 1986 Jun; 64(3):646–55

Release in vivo of IL-1 like activity by human skin. Dowd PM, et al. **Clin Exp Immunol** 1987 Mar;67(3):606–10

Monoclonal antibody patterns in cutaneous lymphoid infiltrates. Their possible relevance to the diagnosis and categorization of cutaneous lymphomas. McMillan EM. **Dermatol Clin** 1985 Oct;3(4):593–603 (139 ref.)

T-cell morphology in nodular follicular center cell lymphomas. Bonar MJ, et al. **Diagn Clin Immunol** 1987; 5(1):14–9

Specific suppression elicited by EL4 lymphoma cells in syngeneic mice. Specificity includes self-antigens on EL4. Grooten J, et al. **Eur J Immunol** 1987 May;17(5):605–11

Lymphoma models for B cell activation and tolerance. IV. Growth inhibition by anti-Ig of CH31 and CH33 B lymphoma cells. Pennell CA, et al. **Eur J Immunol** 1986 Dec;16(12):1577–81

H.I.V. antibody testing in lymphoma patients [letter] Prentice MB, et al. **Hematol Oncol** 1987 Jan-Mar;5(1):71–2

Leu M-1 antigen: comparative expression in Hodgkin's disease and T cell lymphoma. Strauchen JA, et al. **Hematol Oncol** 1987 Apr-Jun;5(2):107–14

An immunocytochemical study of T-cell lymphomas using monoclonal and polyclonal antibodies effective in routinely fixed wax embedded tissues. Norton AJ, et al. **Histopathology** 1986 Dec;10(12):1243–60

Use of the CH lymphomas as models of murine B cell differentiation. Bishop GA, et al. **Immunol Res** 1986; 5(4):263–70

The CH series of murine B cell lymphomas: neoplastic analogues of Ly-1+ normal B cells. Haughton G, et al. **Immunol Rev** 1986 Oct;93:35–51

The primary mediastinal clear cell lymphoma of B-cell type has variable defects in MHC antigen expression. Möller P, et al. **Immunology** 1986 Nov;59(3):411–7

Cross-reactive variable-region associated epitopes of human IgG1 lambda paraprotein detected by a monoclonal antibody panel. Walker LC, et al. **Immunology** 1987 Jul; 61(3):247–54

Peanut agglutin binding to non-neoplastic & neoplastic lesions of the lymph node. Bhatia A. **Indian J Med Res** 1987 Mar;85:292–6

Presence of circulating antibodies against cellular protein p53 in a notable proportion of children with B-cell lymphoma. Caron de Fromentel C, et al. **Int J Cancer** 1987 Feb 15; 39(2):185–9

Defective expression of MHC class I antigens is frequent in B-cell lymphomas of high-grade malignancy. Möller P, et al. **Int J Cancer** 1987 Jul 15;40(1):32–9

Stable transfection of a human lymphoma line by sub-genomic fragments of Epstein-Barr virus DNA to measure humoral and cellular immunity to the corresponding proteins. Welinder C, et al. **Int J Cancer** 1987 Sep 15;40(3):389–95

Monoclonal antibody DLC-48: an effective reagent for use in the depletion of malignant lymphoma from human bone marrow. Winter JN, et al. **Int J Cancer** 1987 Jun 15; 39(6):670–7

Enhancement of delayed cutaneous hypersensitivity by oral administration of RU 41740 (Biostim) in lymphoma patients—a randomized double blind multicentric trial. Lang JM, et al. **Int J Immunopharmacol** 1986;8(7):687–90

Cutaneous pheomorphic T cell lymphoma. Immunologic, virologic, and T-cell receptor gene rearrangement studies in one European case with initial pseudolymphoma presentation. Bendelac A, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):657–64

Clinical implications of immunologic phenotyping in cutaneous T cell lymphoma. Vonderheid EC, et al. **J Am Acad Dermatol** 1987 Jul;17(1):40–52

Occurrence of human T cell lymphotropic virus (type I) antibodies in cutaneous T cell lymphoma. Wantzin GL, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):598–602

Lymphomatoid papulosis expresses immunophenotypes associated with T cell lymphoma but not inflammation. Wood GS, et al. **J Am Acad Dermatol** 1986 Sep; 15(3):444–58

Monoclonal gammopathy in Hashimoto's thyroiditis and malignant lymphoma of the thyroid. Matsubayashi S, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1136–9

Rearrangement of the beta chain of the T cell antigen receptor and immunoglobulin genes in lymphoproliferative disorders. Griesser H, et al. **J Clin Invest** 1986 Nov; 78(5):1179–84

Kappa-chain gene rearrangement in an apparent T-lineage lymphoma. Ha-Kawa K, et al. **J Clin Invest** 1986 Dec; 78(6):1439–42

Idiotype variant cell populations in patients with B cell lymphoma. Carroll WL, et al. **J Exp Med** 1986 Nov 1; 164(5):1566–80

Immune regulation of the L5178Y murine tumor-dormant state. I. In vivo and in vitro effects of prostaglandin E2 and indomethacin on tumor cell growth. Liu CM, et al. **J Exp Med** 1986 Oct 1;164(4):1259–73

Expression of the 6C3 antigen on murine hematopoietic neoplasms. Association with expression of abl, ras, fes, src, erbB, and Cas NS-1 oncogenes but not with myc. Morse HC 3d, et al. **J Exp Med** 1987 Mar 1;165(3):920–5

Structural variations in the H-2 genes of AKR lymphomas. Hui K, et al. **J Immunogenet** 1986 Apr-Jun;13(2-3):117–21

Experimental strategies and interpretations in the analysis of changes in MHC gene expression during tumour progression. Opposing influences of T cell and natural killer mediated resistance? Ljunggren HG, et al. **J Immunogenet** 1986 Apr-Jun;13(2-3):141–51

The H-2 complex regulates both the susceptibility to mouse viral lymphomagenesis and the phenotype of the virus-induced lymphomas. Zijlstra M, et al. **J Immunogenet** 1986 Apr-Jun;13(2-3):69–76 (41 ref.)

Differential lack of class I H-2d antigen expression by sublines of the BALB/c S49 T cell lymphoma. Joseph LJ, et al. **J Immunol** 1986 Dec 15;137(12):4016–20

Membrane IgM, IgD, and IgG act as signal transmission molecules in a series of B lymphomas. Mizuguchi J, et al. **J Immunol** 1986 Oct 1;137(7):2162–7

Quantitation of cell surface molecules on a differentiating, Ly-1+ B cell lymphoma. Ovnic M, et al. **J Immunol** 1987 May 1;138(9):3075–82

Expression of hemopoietic histocompatibility antigens on H-2-loss variants of F1 hybrid lymphoma cells: evidence consistent with trans gene regulation. Rembecki RM, et al. **J Immunol** 1987 Apr 15;138(8):2734–8

Murine T lymphoma cells express a novel membrane-associated antigen with unique features. Takei F. **J Immunol** 1987 Jul 15;139(2):649–54

Differential expression of class II alloantigens by keratinocytes in disease. Volc-Platzer B, et al. **J Invest Dermatol** 1987 Jul;89(1):64–8

Tumor immunoglobulin with antibody activity against blood coagulation factors. Antonucci M, et al. **J Med Clin Exp Theor** 1986;17(3–4):149–65

Cluster differentiation antigen expression, proliferative activity and clinical stage in centroblastic centrocytic lymphomas. Williamson JM, et al. **J Pathol** 1986 Sep; 150(1):51–9

Serum monoclonal IgM undetectable by cellulose acetate membrane electrophoresis in four patients with B cell malignant lymphoma. Sugai S, et al. **Jpn J Clin Oncol** 1986 Dec;16(4):365–72

A natural killer cell assay for the mink using a mouse lymphoma as the target cell line. Pace NC, et al. **Lab Anim Sci** 1987 Apr;37(2):220–3

Absence of cell surface LFA-1 as a mechanism of escape from immunosurveillance. Clayberger C, et al. **Lancet** 1987 Sep 5;2(8558):533–6

Lymphocyte populations and TAC-antigen in diffuse B-cell lymphomas. Grant BW, et al. **Leuk Res** 1986;10(11):1271–8

The same cloned murine B lymphoma cell lines can be selectively induced to release either interleukin-1- or interleukin-2-like factor activity. Walker EB, et al. **Lymphokine Res** 1987 Spring;6(2):71–81

The immune system and lymphoid neoplasia. Kersey JH, et al. **Monogr Pathol** 1987;(29):8–17 (33 ref.)

B-cell malignant lymphomas: an immunologic perspective. Warnke RA, et al. **Monogr Pathol** 1987;(29):88–103 (74 ref.)

Increased number of functionally defective large granular lymphocytes in lymphoma patients. Muhonen T, et al. **Nat Immun Cell Growth Regul** 1987;6(2):57–64

The immune system and lymphoma. (A commentary on the role of the immune system in experimental lymphomagenesis). Habeshaw JA. **Ric Clin Lab** 1987 Apr-Jun;17(2):87–109 (134 ref.)

Glucocorticoid receptor-like antigen in lymphoma cell membranes: correlation to cell lysis. Gametchu B. **Science** 1987 Apr 24;236(4800):456–61

Cell surface markers in hematologic malignancies. Freedman AS, et al. **Semin Oncol** 1987 Jun;14(2):193–212 (196 ref.)

Autoanti-K5(Ku) in a patient with lymphoma [letter] Krikler SH, et al. **Vox Sang** 1987;52(1-2):157

[Application of the avidin-biotin-peroxidase complex (ABC) method with a monoclonal antibody to the HLA-DR antigen in immunoelectron microscopy] Chen BF, et al. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Jun;15(2):87–9 (Eng. Abstr.) **(Chi)**

[Demonstration in situ of immunological phenotypes in diffuse large cell lymphoma of skin monoclonal antibodies] Gu SQ, et al. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Mar;15(1):41–2 (Eng. Abstr.) **(Chi)**

[Effect of diseases on interleukin 2 production] Wu YY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1987 Apr;9(2):133–4 (Eng. Abstr.) **(Chi)**

[Seroreactions to cytomegaloviruses and herpes simplex viruses in children with leukemia and malignant lymphoma] Polák J, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1984;27(4):369–75 (Eng. Abstr.) **(Cze)**

[Immunologic phenotyping of cutaneous lymphomas] Kaudewitz P, et al. **Hautarzt** 1986 Dec;37(12):647–55 (Eng. Abstr.) **(Ger)**

[Relation between Sjögren syndrome and malignant lymphoma] Karácsonyi M, et al. **Orv Hetil** 1987 Jan 25; 128(4):189–93 (Eng. Abstr.) **(Hun)**

[Serological study of the antibody to the adult T-cell leukemia-virus-associated antigen in various hematological diseases] Toki H, et al. **Gan No Rinsho** 1986 Dec; 32(15):1970–3 (Eng. Abstr.) **(Jpn)**

[The pathophysiology of malignant lymphoma from the hematological point of view. 3. Changes in peripheral blood lymphocyte count and the recovery of cell-mediated immune function after therapy of T-, B-malignant lymphomas and Hodgkin's disease] Kinoshita K, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Aug;49(5):1068–80 (Eng. Abstr.) **(Jpn)**

[Identification of the cell lineage of lymphoid malignant cells with monoclonal antibodies] Okawa H, et al. **Rinsho Ketsueki** 1987 Jan;28(1):1–8 (Eng. Abstr.) **(Jpn)**

METABOLISM

Biological activities of human growth hormone and its derivatives estimated by measuring DNA synthesis in Nb2 node rat lymphoma cells. Emoto N, et al. **Acta Endocrinol (Copenh)** 1987 Feb;114(2):283–91

Regulation of ferritin synthesis in malignant and non-malignant lymphoid cells. Cairo G, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):652–7

Induction, by adriamycin and mitomycin C, of modifications in lipid composition, size distribution, membrane fluidity and permeability of cultured RDM4 lymphoma cells. Oth D, et al. **Biochim Biophys Acta** 1987 Jun 30;900(2):198–208

Cell cycle-specific effects of sodium arsenite and hyperthermic exposure on incorporation of radioactive leucine and phosphate by stress proteins from mouse lymphoma cell nuclei. Pipkin JL, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):334–44

An inhibitor of ornithine decarboxylase in lactogen-deprived Nb2 node rat lymphoma cells. Richards JF, et al. **Biochim Biophys Acta** 1986 Oct 1;883(3):542–51

Further characterization of a fodrin-containing transmembrane complex from mouse T-lymphoma cells. Suchard SJ, et al. **Biochim Biophys Acta** 1987 Jan 9; 896(1):35–46

9-beta-D-arabinofuranosyl-2-fluoroadenine 5'-monophosphate pharmacokinetics in plasma and tumor cells of patients with relapsed leukemia and lymphoma. Danhauser L, et al. **Cancer Chemother Pharmacol** 1986; 18(2):145–52

Synergistic inhibition of polyamine synthesis and growth by difluoromethylornithine plus methylthioadenosine in methylthioadenosine phosphorylase-deficient murine lymphoma cells. Yamanaka H, et al. **Cancer Res** 1987 Apr 1;47(7):1771–4

Thermochemical characterization of T-lymphoma cells under non-growing conditions. Schön A, et al. **Cytobios** 1986;48(194–195):195–205

Anchoring of membrane proteins via phosphatidylinositol is deficient in two classes of Thy-1 negative mutant lymphoma cells. Conzelmann A, et al. **EMBO J** 1986 Dec 1;5(12):3291–6

Augmented transport and metabolism of sex steroids in lymphoid neoplasia in the rat. Cefalu WT, et al. **Endocrinology** 1987 Mar;120(3):1000–9

Glucocorticoid-induced cell death and poly[adenosine diphosphate(ADP)-ribosyl]ation: increased toxicity of dexamethasone on mouse S49.1 lymphoma cells with the poly(ADP-ribosyl)ation inhibitor benzamide. Wielckens K, et al. **Endocrinology** 1986 Nov;119(5):2383–92

Deoxyribonucleoside triphosphate metabolism and the mammalian cell cycle. Effects of hydroxyurea on mutant and wild-type mouse S49 T-lymphoma cells. Eriksson S, et al. **Exp Cell Res** 1987 Jan;168(1):79–88

Characterization of lactogen receptors in lactogenic hormone-dependent and independent NB2 lymphoma cell lines. Ashkenazi A, et al. **FEBS Lett** 1987 Jan 1;210(1):51–5

Prolactin stimulation of ornithine decarboxylase and mitogenesis in Nb2 node lymphoma cells: the role of protein kinase C and calcium mobilization. Buckley AR, et al. **Immunopharmacology** 1986 Aug;12(1):37–51

DNA methylating activity in murine lymphoma cells xenogenized by triazene derivatives. Puccetti P, et al. **Int J Cancer** 1987 Jun 15;39(6):769–73

Dipyridamole-insensitive nucleoside transport in mutant murine T lymphoma cells. Aronow B, et al. **J Biol Chem** 1986 Nov 5;261(31):14467–73

The glycophospholipid anchor of Thy-1. Biosynthetic labeling experiments with wild-type and class E Thy-1 negative lymphomas. Fatemi SH, et al. **J Biol Chem** 1987 Apr 5;262(10):4728–32

Somatostatin induces translocation of the beta-adrenergic receptor kinase and desensitizes somatostatin receptors in S49 lymphoma cells. Mayor F Jr, et al. **J Biol Chem** 1987 May 15;262(14):6468–71

Relationship of the terminal sequences to the length of poly-N-acetyllactosamine chains in asparagine-linked oligosaccharides from the mouse lymphoma cell line BW5147. Immobilized tomato lectin interacts with high affinity with glycopeptides containing long poly-N-acetyllactosamine chains. Merkle RK, et al. **J Biol Chem** 1987 Jun 15;262(17):8179–89

Deoxyribonucleotide metabolism and cyclic AMP resistance in hydroxyurea-resistant S49 T-lymphoma cells. Albert DA, et al. **J Cell Physiol** 1987 Feb;130(2):262–9

Phorbol ester-induced augmentation and inhibition of epinephrine-stimulated adenylate cyclase in S49 lymphoma cells. Johnson JA, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1986; 11(3):199–215

Phorbol esters and dioctanoylglycerol block anti-IgM-stimulated phosphoinositide hydrolysis in the murine B cell lymphoma WEHI-231. Gold MR, et al. **J Immunol** 1987 Feb 1;138(3):868–76

Incomplete nucleoside transport deficiency with increased hypoxanthine transport capability in mutant T-lymphoblastoid cells. Aronow B, et al. **Mol Cell Biol** 1986 Apr;6(4):1296–303

Residual nitrobenzylthioinosine-resistant nucleoside transport in a transport mutant (AE1) of S49 murine T-lymphoma cells. Plagemann PG, et al. **Mol Cell Biol** 1987 Jan;7(1):160–6

[Inappropriate calcitriol secretion syndrome] Meyrier A, et al. **Presse Med** 1987 May 9;16(17):815–8 (32 ref.) (Eng. Abstr.) **(Fre)**

[Pharmacokinetic study of mitoxantrone] Ogawa M, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):3028–33 (Eng. Abstr.) **(Jpn)**

[Various aspects of porphyrin metabolism in malignant blood diseases] Atanasov KK, et al. **Gematol Transfuziol** 1986 Aug;31(8):16–8 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Ultrastructural and immunological studies of virus particles observed in a T-cell line derived from a mouse spontaneous lymphoma. Ohtsuki Y, et al. **Acta Pathol Jpn** 1987 Feb; 37(2):201–6

Demonstration of Epstein-Barr virus in immunoblastic sarcoma of B-cells arising in a child with primary immunodeficiency disease. Gartner JG, et al. **Am J Surg Pathol** 1987 Sep;11(9):726–31

Modification of cell surface glycoproteins, macrophage cytostasis, and blood-borne metastatic properties of the murine RAW117 large cell lymphoma by virus superinfection. Yoshida M, et al. **Cancer Res** 1987 May 15;47(10):2558–62

Retroviruses of human T cells: their role in the aetiology of adult T-cell leukaemia/lymphoma and the acquired immune deficiency syndrome. Reitz MS, et al. **Cancer Surv** 1985;4(2):313–29

Determinants of Abelson murine leukemia virus pathogenesis. Green PL, et al. **Curr Top Microbiol Immunol** 1986; 132:62–74

Normal and neoplastic B cell development in the bursa of fabricius. Thompson CB, et al. **Curr Top Microbiol Immunol** 1986;132:209–14

Antibodies to HTLV-I in Nigerian blood-donors, their relatives and patients with leukaemias, lymphomas and other diseases. Fleming AF, et al. **Int J Cancer** 1986 Dec 15;38(6):809–13

Characterization of somatically acquired ecotropic and mink cell focus-forming viruses in lymphomas of AKXD recombinant inbred mice. Mucenski ML, et al. **J Virol** 1987 Sep;61(9):2929–33

Complete, circular papovavirus genomes in the cells of hamsters exposed to a horizontally transmitted lymphomagenic agent. Leinbach SS, et al. **JNCI** 1987 Aug; 79(2):273–9

Antibodies to human immuno-deficiency virus and human T-cell leukemia virus type I in Japanese patients with hematologic malignancies. Tobinai K, et al. **Jpn J Cancer Res** 1986 Dec;77(12):1207–10

Deregulation of the c-myc oncogene in virus-induced thymic lymphomas of AKR/J mice. Reicin A, et al. **Mol Cell Biol** 1986 Nov;6(11):4088–92

Region coding for subgroup specificity of envelope of avian retroviruses does not determine lymphomagenicity. Wright SE, et al. **Virus Res** 1986 Nov;6(2):173–80

[Enzootic bovine leukosis and feline leukosis. 2 current animal models for the study of virus-induced lymphomas and immunodepression syndrome in man] Parodi AL. **Bull Acad Natl Med (Paris)** 1986 Oct;170(7):959–65 (Eng. Abstr.) **(Fre)**

[Bacteriological study on autopsy cases with hematological malignancies, particularly the increased isolation of fungus and gram-positive cocci] Moriuchi Y, et al. **Rinsho Ketsueki** 1986 Nov;27(11):2085–93 (Eng. Abstr.) **(Jpn)**

MORTALITY

Primary gastric lymphoma. Hockey MS, et al. **Br J Surg** 1987 Jun;74(6):483–7

OCCURRENCE

Neoplastic complications of HTLV-III infection. Lymphomas and solid tumors. Kaplan MH, et al. **Am J Med** 1987 Mar;82(3):389–96

A possible epidemiological association between multiple sclerosis and lymphoma/leukaemia [letter] Bernard SM, et al. **Br J Haematol** 1987 Jan;65(1):122–3

Incidence of lymphoma in the US classified by the working formulation. Newell GR, et al. **Cancer** 1987 Feb 15; 59(4):857–61

Small non-cleaved follicular center cell lymphoma in Turkey. Burkitt's and non-Burkitt's types. A retrospective clinicopathologic analysis of 53 cases in the pediatric age group. Tüziüner N, et al. **Cancer** 1987 Mar 1;59(5):925–32

Tumors of the small intestine. Report of 131 cases and review of 1,024 cases in the literature. Dong HJ, et al. **Chin Med J [Engl]** 1986 Feb;99(2):91–6

Variation in the incidence of lymphoma in East Scotland. Ratcliffe MA, et al. **Health Bull (Edinb)** 1986 Sep; 44(5):294–301

Gastrointestinal lymphoma in Chinese: a retrospective analysis. Liang R, et al. **Hematol Oncol** 1987 Apr-Jun; 5(2):115–26

Leukemia, lymphoma, and multiple myeloma in Alaskan natives. Alberts SR, et al. **JNCI** 1987 May;78(5):831–7

A cohort study on second malignancies in gastrectomized patients with gastric cancer. I. Second malignancies other than cancer of the gastric remnant. Hirono M, et al. **Jpn J Surg** 1986 Sep,16(5):336–43

Soft-tissue sarcomas, malignant lymphomas, and 2,3,7,8-TCDD exposure in Seveso [letter] Merlo F, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1455

Recent advances in the epidemiology of leukemia and lymphoma. Miller RW. **Monogr Pathol** 1987;(29):81–7 (25 ref.)

Incidence of hematopoietic malignancies in a well-defined population in France. Carli PM, et al. **Oncology** 1986; 43(6):354–7

Review of leukemia, lymphoma, and myeloma before and after the TMI accident. Berkheiser SW. **Pa Med** 1986 Oct; 89(10):50–2

[Malignant tumors of the stomach: apropos of 583 anatomo-clinical cases] Chadli A, et al. **Arch Inst Pasteur Tunis** 1986 Dec;63(4):457–76 (Eng. Abstr.) **(Fre)**

[Epidemiological studies on malignant lymphoma in Nagasaki City, especially in relation to atomic bomb exposure] Maeda H, et al. **Gan No Rinsho** 1987 Jun;33(7):807–14 (Eng. Abstr.) **(Jpn)**

[Biological characteristics and prognosis of childhood malignant lymphoma] Sasaki K, et al.

Gan To Kagaku Ryoho 1987 Jan;14(1):27–37 (Eng. Abstr.) (Jpn)

PATHOLOGY

Primary malignant lymphoma of the heart. Antemortem cytologic diagnosis. Pozniak AL, et al. **Acta Cytol (Baltimore)** 1986 Nov–Dec;30(6):662–4

Comparative microcytometric analysis of European peripheral T-cell malignant lymphomas (EPTL) and adult T-cell leukemia/lymphomas (ATLL) in Japan. Hasui K, et al. **Acta Pathol Jpn** 1987 Feb;37(2):179–92

Malignant lymphoma, large cell immunoblastic clear cell showing unusual histologic picture. Kajiwara M, et al. **Acta Pathol Jpn** 1987 Apr;37(4):665–75

Immunoblastic lymphadenopathy-like T-cell lymphoma with multiple cutaneous and visceral involvements. Nakamine H, et al. **Acta Pathol Jpn** 1986 Nov; 36(11):1757–68

Lymphomatoid granulomatosis-like lesions in malignant lymphoma. Nonomura A, et al. **Acta Pathol Jpn** 1986 Nov; 36(11):1617–26

Lymphoid follicles appearing in gastric mucosa, especially in reactive lymphoid hyperplasia and malignant lymphoma. Takaki K. **Acta Pathol Jpn** 1986 Nov;36(11):1627–41

Serum-free cultivation of lymphoid cells. Bjare U. **Adv Biochem Eng Biotechnol** 1987;34:95–109 (151 ref.)

B-cell malignant lymphoma with cerebriform nuclei showing mantle-zone cell phenotype [letter] Carbone A, et al. **Am J Clin Pathol** 1986 Oct;86(4):552–4

Report of an unusual lymphoma arising from parafollicular B-lymphocytes (PBLs) or so-called "monocytoid" lymphocytes. Cossar JB, et al. **Am J Clin Pathol** 1987 Jan; 87(1):121–8

Bone marrow manifestations of peripheral T-cell lymphoma. A study of 30 cases. Hanson CA, et al. **Am J Clin Pathol** 1986 Oct;86(4):449–60

Follicular dendritic reticulum cells and lymphomas of follicular origin [letter] Manconi R, et al. **Am J Clin Pathol** 1987 Aug;88(2):249–50

Primary renal lymphoma presenting as acute renal failure. Truong LD, et al. **Am J Kidney Dis** 1987 Jun;9(6):502–6

Cutaneous necrotizing granulomatous vasculitis with evolution to T cell lymphoma. Foley JF, et al. **Am J Med** 1987 Apr;82(4):839–44

Clinical, morphologic, immunophenotypic, and molecular genetic analysis of bilateral ocular adnexal lymphoid neoplasms in 17 patients. McNally L, et al. **Am J Ophthalmol** 1987 Apr 15;103(4):555–68

Expression of interleukin-1 in Reed-Sternberg cells and neoplastic cells from true histiocytic malignancies. Hsu SM, et al. **Am J Pathol** 1986 Nov;125(2):221–5

A new look at lymphoma immunohistology [editorial] Mason DY. **Am J Pathol** 1987 Jul;128(1):1–4

Most nasal/nasopharyngeal lymphomas are peripheral T-cell neoplasms. Chan JK, et al. **Am J Surg Pathol** 1987 Jun; 11(6):418–29

Large-cell lymphoma. Diagnostic difficulties and case study. Gonzalez-Crussi F, et al. **Am J Surg Pathol** 1987 Jan; 11(1):59–65

Mantle zone lymphoma. Immuno- and enzymehistochemical studies on the cell of origin. van den Oord JJ, et al. **Am J Surg Pathol** 1986 Nov;10(11):780–8

The lower limb as a presenting site of malignant lymphoma. Stringer MD, et al. **Ann R Coll Surg Engl** 1987 Jan; 69(1):8–11

Gastrointestinal lymphoma and sarcoma. A case for aggressive search and destroy. Adkins RB Jr, et al. **Ann Surg** 1987 Jun;205(6):625–33

Effect of lectins on tumorigenicity of AKR lymphoma cells of varying malignancy. Leibovici J, et al. **Anticancer Res** 1986 Nov–Dec;6(6):1411–5

Primary cerebral lymphoma. A histologic and immunohistochemical study of six cases. Grant JW, et al. **Arch Pathol Lab Med** 1986 Oct;110(10):897–901

Cultured Nb rat lymphoma cells in endocrine and cancer research. Gout PW, et al. **Biochem Cell Biol** 1986 Jul; 64(7):659–66

Childhood Ki-1 lymphoma presenting with skin lesions and peripheral lymphadenopathy. Kadin ME, et al. **Blood** 1986 Nov;68(5):1042–9

Mediastinal lymphoma of clear cell type is a tumor corresponding to terminal steps of B cell differentiation. Möller P, et al. **Blood** 1987 Apr;69(4):1087–95

Evaluation of circulating malignant cells provides prognostic information in cutaneous T cell lymphoma. Schechter GP, et al. **Blood** 1987 Mar;69(3):841–9

Characterisation of a new murine B cell lymphoma. Cobb LM, et al. **Br J Cancer** 1986 Nov;54(5):807–18

Immunohistochemical determination of growth fractions in human permanent cell lines and lymphoid tumours: a critical comparison of the monoclonal antibodies OKT9 and Ki-67. Pileri S, et al. **Br J Haematol** 1987 Mar; 65(3):271–6

Primary lymphoma of the spermatic cord. Hautzer NW, et al. **Br J Urol** 1986 Oct;58(5):565–6

Signet-ring cell lymphoma in the orbit: a case report and review. Dolman PJ, et al. **Can J Ophthalmol** 1986 Oct; 21(6):242–5

Mantle zone lymphoma with central nervous system involvement. Bedotto J, et al. **Cancer** 1986 Nov 1; 58(9):2125–9

Malignant lymphoma of bone in children. Howat AJ, et al. **Cancer** 1987 Jan 15;59(2):335–9

Malignant lymphoma arising within thyroid tissue in a mature cystic teratoma. Seifer DB, et al. **Cancer** 1986 Dec 1; 58(11):2459–61

Pseudolymphoma of the stomach. A clinicopathologic study of 15 cases. Tokunaga O, et al. **Cancer** 1987 Apr 1; 59(7):1320–7

Malignant lymphoma of the skin in children. Zaatari GS, et al. **Cancer** 1987 Mar 1;59(5):1040–5

Invasive and metastatic potential induced by ras-transfection into mouse BW5147 T-lymphoma cells. Collard JG, et al. **Cancer Res** 1987 Feb 1;47(3):754–9

Transient requirement for prolactin as a growth initiator following treatment of autonomous Nb2 node rat lymphoma cell cultures with butyrate. Gout PW. **Cancer Res** 1987 Apr 1;47(7):1751–5

Combined chemoseparation and immunoseparation of clonogenic T lymphoma cells from human bone marrow using 2'-deoxycoformycin, deoxyadenosine, 3A1 monoclonal antibody, and complement. Haleem A, et al. **Cancer Res** 1987 Sep 1;47(17):4608–12

Elimination of B-lymphoma cells from human bone marrow: model experiments using monodisperse magnetic particles coated with primary monoclonal antibodies. Kvalheim G, et al. **Cancer Res** 1987 Feb 1;47(3):846–51

Development of prelymphoma cells committed to thymic lymphomas during radiation-induced thymic lymphomagenesis in B10 mice. Muto M, et al. **Cancer Res** 1987 Jul 1;47(13):3469–72

Dissociation of 5-fluorouracil-induced DNA fragmentation from either its incorporation into DNA or its cytotoxicity in murine T-lymphoma (S-49) cells. Parker WB, et al. **Cancer Res** 1987 Feb 15;47(4):979–82

In vitro transformation of human B-cell follicular lymphoma cells by Epstein-Barr virus. Smith LJ, et al. **Cancer Res** 1987 Apr 15;47(8):2062–6

Selective enhancement by menadiol of in vitro drug activity in human lymphatic neoplasms. Su YZ, et al. **Cancer Treat Rep** 1987 Jun;71(6):619–25

Secondary hematologic changes in small cell lung cancer and malignant lymphoma. Song SZ, et al. **Chin Med J [Engl]** 1987 Feb;100(2):97–102

Primary lymphoma of the liver. Rubin JS, et al. **Conn Med** 1987 Mar;51(3):145–6

An in vitro model for tumor progression in murine lymphoid cells. Schwartz RC, et al. **Curr Top Microbiol Immunol** 1986;132:75–80

Cutaneous pseudolymphomas. Brodell RT, et al. **Dermatol Clin** 1985 Oct;3(4):719–34 (75 ref.)

Cutaneous B-cell lymphoma. Burg G, et al. **Dermatol Clin** 1985 Oct;3(4):689–704 (50 ref.)

Malignant lymphoma of convoluted lymphocytes: diagnosis by fine-needle aspiration cytology and cytochemistry. Das DK, et al. **Diagn Cytopathol** 1986 Dec;2(4):307–11

Signet-ring lymphoma: report of a case. Manivel-Rodriguez JC, et al. **Diagn Cytopathol** 1986 Dec;2(4):338–40

Percutaneous fine-needle aspiration biopsy in malignant lymphoma: a case report of an unusual cytologic presentation. Selvaggi SM, et al. **Diagn Cytopathol** 1986 Dec;2(4):295–300

Malignant lymphoma of the rectum. Devine RM, et al. **Dis Colon Rectum** 1986 Dec;29(12):821–4

Autocrine growth and progression of murine X-ray-induced T cell lymphomas. Haas M, et al. **EMBO J** 1986 Aug; 5(8):1775–82

Evaluation of the effect of agar on the results obtained in the L5178Y mouse lymphoma assay. Meyer M, et al. **Environ Mutagen** 1986;8(5):727–40

Testicular pseudolymphoma. Algaba F, et al. **Eur Urol** 1986; 12(5):362–3

Differential growth properties of metastatic large-cell lymphoma cells in target organ-conditioned medium. Nicolson GL. **Exp Cell Res** 1987 Feb;168(2):572–7

Involvement of the central nervous system in malignant lymphomas of mice. Kupper H, et al. **Exp Pathol** 1987; 31(3):185–9

Flow cytometry of TPA-induced changes in cells of chronic B-cell leukemias. Munker R, et al. **Folia Haematol (Leipz)** 1987;114(2):177–87

An investigation of Ki-1 positive large cell lymphoma with antibodies reactive with tissue macrophages. Jones DB, et al. **Hematol Oncol** 1986 Oct–Dec;4(4):315–22

Peripheral T-cell lymphoma presenting as predominant liver disease: a report of three cases. Gaulard P, et al. **Hepatology** 1986 Sep–Oct;6(5):864–8

Malignant lymphoma arising in an intestinal polyp. Falconieri G, et al. **Histopathology** 1987 Feb;11(2):215–6

Malignant lymphoma of mucosa-associated lymphoid tissue. Isaacson PG, et al. **Histopathology** 1987 May;11(5):445–62

T-cell lymphoma: a morphological, histochemical and immunological study of nine Chinese cases. Liang GZ, et al. **Histopathology** 1986 Oct;10(10):1035–46

UCHL1 (anti-T-cell) staining pattern in small intestinal lymphoma of coeliac disease [letter] Nash JR, et al. **Histopathology** 1986 Nov;10(11):1213–5

Malignant lymphoma with eosinophilia of the gastrointestinal tract. Shepherd NA, et al. **Histopathology** 1987 Feb; 11(2):115–30

Malignant lymphomas involving the central nervous system—a morphological and immunohistochemical study of 32 cases. Simon J, et al. **Histopathology** 1987 Apr; 11(4):335–49

Angiotropic large cell lymphoma of the prostate gland: an immunohistochemical study. Ben-Ezra J, et al. **Hum Pathol** 1986 Sep;17(9):964–7

Application of anti-leukocyte common antigen and anti-cytokeratin antibodies to the biopsy diagnosis of gastric large cell lymphoma. Dean PJ, et al. **Hum Pathol** 1987 Sep;18(9):918–23

Monoclonal antibodies reactive in routinely processed tissue sections of malignant lymphoma, with emphasis on T-cell lymphomas. Strickler JG, et al. **Hum Pathol** 1987 Aug; 18(8):808–14

Inhibition of murine lymphoma growth by adoptive transfer of lymphocytes sensitized to a xenogenized tumor variant. Bianchi R, et al. **Int J Cancer** 1987 Jul 15;40(1):7–11

Establishment and characterization of three new malignant lymphoid cell lines. Th'ng KH, et al. **Int J Cancer** 1987 Jan 15;39(1):89–93

Cutaneous T-cell lymphoma and related disorders. Heterogeneity in clinical, histopathologic, phenotypic, and fine structural expressions. Jimbow K, et al. **Int J Dermatol** 1986 Oct;25(8):485–97 (50 ref.)

Development of a monolayer invasion assay for the discrimination and isolation of metastatic lymphoma cells. Verschueren H, et al. **Invasion Metastasis** 1987;7(1):1–15

Primary cutaneous lymphoplasmacytic lymphoma. Martí RM, et al. **J Am Acad Dermatol** 1987 May;16(5 Pt 2):1106–10

Neurological involvement in lymphomas. Singh BN, et al. **J Assoc Physicians India** 1986 May;34(5):325–7

Lymphoma Thy-1 glycoprotein is linked to the cytoskeleton via a 4.1-like protein. Bourguignon LY, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2529–40

Clonality of angioimmunoblastic lymphadenopathy and implications for its evolution to malignant lymphoma. Lipford EH, et al. **J Clin Invest** 1987 Feb;79(2):637–42

Inferior pulmonary ligament lymphadenopathy: demonstration by computed tomography. Cross G, et al. **J Comput Tomogr** 1987 Jul;11(3):303–6

Extramedullary (skin) presentation of acute monocytic leukemia resembling cutaneous lymphoma: morphological and immunological features. Blaustein JC, et al. **J Cutan Pathol** 1987 Aug;14(4):232–7

Primary neuroendocrine carcinoma and small-cell malignant lymphoma of the skin. A discriminant immunohistochemical comparison. Wick MR, et al. **J Cutan Pathol** 1986 Oct;13(5):347–58

Prognostic significance of initial skin lesions in epidermotropic cutaneous lymphoma. Yamamura T, et al. **J Dermatol (Tokyo)** 1986 Apr;13(2):120–5

Growth regulation of the B lymphoma cell line WEHI-231 by anti-immunoglobulin, lipopolysaccharide, and other bacterial products. Jakway JP, et al. **J Immunol** 1986 Oct 1;137(7):2225–31

Primary lymphoma of the central nervous system: a diagnostic problem. Chayasirisobhon S, et al. **J Natl Med Assoc** 1987 Feb;79(2):198–200

Malignant lymphoma arising in the submandibular and sublingual salivary glands: report of cases. Schwartz-Arad D, et al. **J Oral Maxillofac Surg** 1987 Sep;45(9):795–9

Malignant lymphoma of the palate: report of two cases. Al-Soudani KA, et al. **J Oral Maxillofac Surg** 1986 Oct; 44(10):811–4

Malignant lymphoma of the oral cavity: clinicopathologic analysis of 20 cases. Fukuda Y, et al. **J Oral Pathol** 1987 Jan;16(1):8–12

Primary B-cell gastric lymphoma--a reassessment of its histogenesis. Myhre MJ, et al. **J Pathol** 1987 May; 152(1):1–11

T-cell lymphomas in adults: a clinicopathological study of eighteen cases. Ramsay AD, et al. **J Pathol** 1987 Jun; 152(2):63–76

Antitumor activity of alkylesters of 5-fluoro-2'-deoxyuridine 5'-monophosphate (FdUMP) against murine lymphoma L5178Y resistant to 5-fluoro-2'-deoxyuridine. Kanzawa F, et al. **J Pharmacobiodyn** 1986 Aug;9(8):688–93

Bilateral ovarian involvement as the only manifestation of malignant lymphoma. Piura B, et al. **J Surg Oncol** 1986 Oct;33(2):126–8

Primary lymphoma of the central nervous system: a clinicopathologic analysis of 26 cases. Vakili ST, et al. **J Surg Oncol** 1986 Oct;33(2):95–102

Clonal T cell population in angioimmunoblastic lymphadenopathy and related lesions. Suzuki H, et al. **Jpn J Cancer Res** 1987 Jul;78(7):712–20

Single cell studies on the immunological marker profile of plasmacytoid T-zone cells. Beiske K, et al. **Lab Invest** 1987 Apr;56(4):381–93

Anti-T-cell-receptor staining of lymphomas [letter] Mul NA. **Lancet** 1986 Dec 6;2(8519):1342

Interaction of soybean agglutinin with human leukemia-lymphoma lines at various stages of differentiation. Ben-Bassat H, et al. **Leuk Res** 1987; 11(7):589–95

Radiation leukemia virus and X-irradiation induce in C57BL/6 mice two distinct T-cell neoplasms: a growth factor-dependent lymphoma and a growth factor-independent lymphoma. Haas M, et al. **Leuk Res** 1987;11(3):223–39

Human growth hormone-stimulated mitogenesis of Nb2 node lymphoma cells is not mediated by an immediate acceleration of phosphoinositide metabolism. Gertler A, et al. **Mol Cell Endocrinol** 1986 Dec;48(2–3):221–8

Malignant lymphoma. Summation. Berard CW, et al. **Monogr Pathol** 1987;(29):268–90 (176 ref.)
T-cell neoplasms and Hodgkin's disease. Cossman J. **Monogr Pathol** 1987;(29):104–23 (102 ref.)
Malignant lymphoma. Introduction. Dorfman RF. **Monogr Pathol** 1987;(29):1–7
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 40–1987. A seven-year-old boy with acute lymphocytic leukemia in remission, with abnormalities of the ears, paranasal sinuses, and lungs. **N Engl J Med** 1987 Oct 1;317(14):879–90
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 42–1986. A 28-year-old man with a renal transplant and recent disorientation. **N Engl J Med** 1986 Oct 23;315(17):1079–86
Clonal analysis of T cells in lymphomatoid papulosis [letter] **N Engl J Med** 1987 Feb 5;316(6):347–8
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 15–1987. A 65-year-old woman with hypothyroidism and a rapidly enlarging goiter. **N Engl J Med** 1987 Apr 9;316(15):931–8
Electrophoretic mobility patterns of immunologically phenotyped cells in different hemopoietic malignancies. Babušíková O, et al. **Neoplasma** 1986;33(6):713–22
Computer-assisted stereotaxic biopsy for the diagnosis of primary central nervous system lymphoma. O'Neill BP, et al. **Neurology** 1987 Jul;37(7):1160–4
Inhibition of recovery by actinomycin D from bleomycin-induced potentially lethal damage in a B-lymphoma cell line. Nishikori M, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 May 20;21(4):736–43
Suppressor T cell lymphoma with histological and clinical features of immunoblastic lymphadenopathy (IBL): IBL-like suppressor T cell lymphoma. Takeuchi Y, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Jul;49(4):907–14
Malignant lymphomas and related disorders—a pathological study. Wakasa H. **Nippon Ketsueki Gakkai Zasshi** 1986 Dec;49(8):1475–90
Malignant lymphomas with primary bone manifestation. Vassallo J, et al. **Pathol Res Pract** 1987 Jun;182(3):381–9
Lymphoma immunotyping by paraffin immunoperoxidase and cell suspension methods—a comparative study. Sinclair RA, et al. **Pathology** 1986 Jul;18(3):321–7
Possible involvement of the phospholipases in the mitogenic actions of prolactin (PRL) on Nb2 node lymphoma cells. Ofenstein JP, et al. **Proc Soc Exp Biol Med** 1987 Jun; 185(2):147–52
Sarcoidosis and lymphoma: an unusual association. Sharma OP, et al. **Sarcoidosis** 1987 Mar;4(1):58–63
Extranodal lymphoid lesions. **Semin Diagn Pathol** 1985 Aug; 2(3):147–223
Malignant lymphomas of the skin: their differentiation from lymphoid and nonlymphoid cutaneous infiltrates that simulate lymphoma. Burke JS. **Semin Diagn Pathol** 1985 Aug;2(3):169–82 (47 ref.)
Histologic criteria for distinguishing between benign and malignant extranodal lymphoid infiltrates. Burke JS. **Semin Diagn Pathol** 1985 Aug;2(3):152–62 (32 ref.)
Pulmonary lymphoid neoplasms. Colby TV, et al. **Semin Diagn Pathol** 1985 Aug;2(3):183–96 (43 ref.)
Gastrointestinal lymphoid neoplasms. Kahn LB, et al. **Semin Diagn Pathol** 1985 Aug;2(3):197–209 (73 ref.)
Exfoliative and aspiration cytology of malignant lymphomas. Kern WH. **Semin Diagn Pathol** 1986 Aug;3(3):211–8
The extranodal lymphoid infiltrate: a diagnostic dilemma. Knowles DM 2d. **Semin Diagn Pathol** 1985 Aug; 2(3):147–51
Primary large cell lymphomas of the mediastinum: an analysis of 20 cases. Waldron JA Jr, et al. **Semin Diagn Pathol** 1985 Nov;2(4):281–95
Lymphoma of the thyroid and related disorders. Oertel JE, et al. **Semin Oncol** 1987 Sep;14(3):333–42 (67 ref.)
Establishment of five human malignant non-T lymphoid cell lines and mixed lymphocyte-tumor reaction. Minegishi M, et al. **Tohoku J Exp Med** 1987 Mar;151(3):283–92
Primary malignant lymphoma of the salivary glands. Hjorth L, et al. **Tumori** 1986 Oct 31;72(5):491–7
Signet-ring cell lymphoma. Iossifides I, et al. **Ultrastruct Pathol** 1980 Oct–Dec;1(4):511–7
[Primary malignant lymphoma of the central nervous system—a case report and review of literature] Sui YF. **Chung Hua Chung Liu Tsa Chih** 1987 Jan;9(1):65–6 (Eng. Abstr.) (Chi)
[A case report of polyclonal IBL-like T-cell lymphoma. Histopathology, immunohistochemistry and immunoelectron microscopic observation] Su ZL, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Jun;17(2):139–43 (Eng. Abstr.) (Chi)
[Lymphomas and pseudolymphomas of the digestive tract. Retrospective study, with immunologic markers, of 52 malignant lymphomas and 5 pseudolymphomas] Canioni D, et al. **Arch Anat Cytol Pathol** 1986;34(3):133–45 (Eng. Abstr.) (Fre)
[Lymphomas of the adnexa oculi] Dhermy P. **Bull Mem Soc Fr Ophtalmol** 1986;97:77–89 (Fre)
[Primary lymphoma of the penis] Litton M, et al. **J Urol (Paris)** 1987;93(2):99–101 (Eng. Abstr.) (Fre)
[Morphology of malignant lymphoma] Gärtner HV. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:1–21 (74 ref.) (Ger)
[Lymphomas and lymphoid tumors of the conjunctiva] Heidenkummer HP, et al. **Fortschr Ophthalmol** 1986; 83(6):632–6 (Eng. Abstr.) (Ger)
[A pseudolymphomatous reaction in tattooing] Lubach D, et al. **Hautarzt** 1986 Oct;37(10):573–5 (Eng. Abstr.) (Ger)
[Pseudolymphoma following cosmetic tattooing] Mayerhausen W, et al. **Hautarzt** 1986 Nov;37(11):622–4 (Ger)
[Contact allergic reactions in the respiratory mucosa. A differential diagnosis with malignant lymphoma] Enzmann H, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Aug; 65(8):434–7 (Eng. Abstr.) (Ger)
[Clinicopathologic conference. On malignant intestinal lymphoma and celiac disease: a 44-year-old patient with therapy-resistant disease] Balzer K, et al. **Med Klin** 1986 Aug 22;81(17):563–6 (Ger)
[Malignant lymphoma of the eyelids] Witschel H. **Ophthalmologica** 1986;193(3):161–8 (Eng. Abstr.) (Ger)
[Malignant lymphoma of the stomach: progress in early diagnosis] Weismüller J, et al. **Schweiz Rundsch Med Prax** 1986 Dec 9;75(50):1531–2 (Eng. Abstr.) (Ger)
[Preliminary and early stages of malignant lymphomas] Wilms K. **Verh Dtsch Ges Inn Med** 1986;92:89–98 (Ger)
[Simultaneous occurrence of malignant lymphoma and carcinoma in the stomach] Tóth K, et al. **Zentralbl Allg Pathol** 1986;132(4):325–8 (Eng. Abstr.) (Ger)
[Lymphoma presenting as subacute thyroiditis: malignant pseudo-thyroiditis] Golik A, et al. **Harefuah** 1987 Mar 1; 112(5):226–7 (Eng. Abstr.) (Heb)
[Interdigitating reticulum cell hyperplasia simulating histiocytosis X of the lymph nodes] Szekeres G, et al. **Morphol Igazsagugyi Orv Sz** 1987 Jul;27(3):187–92 (Eng. Abstr.) (Hun)
[Lymphoma of the thyroid (description of 2 cases)] Pandolfi U, et al. **Chir Ital** 1986 Dec;38(6):601–9 (Eng. Abstr.) (Ita)
[Heterogenicity of T-cell cutaneous lymphomas: pleomorphic lymphoma of intermediate phenotype between the thymic and post-thymic stages. Study of 2 cases] Bernengo MG, et al. **G Ital Dermatol Venereol** 1987 Apr;122(4):157–66 (Eng. Abstr.) (Ita)
[An autopsy case of primary hepatic malignant lymphoma and a review of 10 reported cases] Fukumura Y, et al. **Gan No Rinsho** 1987 Jan;33(1):76–81 (Eng. Abstr.) (Jpn)
[A case of primary intracranial malignant lymphoma associated with gastric carcinoma] Nakagawa K, et al. **Gan No Rinsho** 1987 Jul;33(8):937–42 (Eng. Abstr.) (Jpn)
[A suppressive effect of PSK, a protein-bound polysaccharide preparation, on tumor growth: a new effect of PSK on cell motility] Katano M, et al. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2321–6 (Eng. Abstr.) (Jpn)
[Malignant lymphoma differentiated to plasma cell of the testis: report of a case] Kiyota H, et al. **Hinyokika Kiyo** 1987 Jan;33(1):107–11 (Eng. Abstr.) (Jpn)
[Malignant lymphoma of the testis] Yano M, et al. **Hinyokika Kiyo** 1987 Jan;33(1):113–6 (Eng. Abstr.) (Jpn)
[Ultrasonically guided liver biopsy in patients with malignant lymphoma—tissue biopsy by 21 guage modified Menghini needle] Yoshimatsu S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Aug 25; 46(8):1030–4 (Eng. Abstr.) (Jpn)
[Case report of malignant lymphoma of the uterine cervix] Shimamoto T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jun;39(6):1013–6 (Jpn)
[Stomatocytosis with hemolysis presumably induced by vincristine administration in a patient with non-Hodgkin's lymphoma] Ohsaka A, et al. **Rinsho Ketsueki** 1986 Jun; 27(6):891–7 (Eng. Abstr.) (Jpn)
[A case of a 90-year-old woman with B-cell lymphoma presenting with pleural effusion and hemorrhagic pericardial effusion] Sakai Y, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2366–70 (Eng. Abstr.) (Jpn)
[A case of extranodal malignant T cell lymphoma of the cheek] Sano M, et al. **Rinsho Ketsueki** 1986 Jun; 27(6):936–40 (Eng. Abstr.) (Jpn)
[A case of primary malignant lymphoma of the prostate] Shimada Y, et al. **Rinsho Ketsueki** 1987 Feb;28(2):267–72 (Eng. Abstr.) (Jpn)
[Pathomorphology of malignant skin lymphomas] Zabanova EV, et al. **Arkh Patol** 1987;49(4):25–31 (Eng. Abstr.) (Rus)
[Comparative evaluation of the proliferative activity of bone marrow cells in various lymphoproliferative diseases and acute leukemia] Biriukova IV, et al. **Gematol Transfuziol** 1987 Jun;32(6):21–4 (Eng. Abstr.) (Rus)
[Lennert's lymphoma (problems of diagnosis and nosologic affiliation)] Khokhlova MP, et al. **Gematol Transfuziol** 1986 Aug;31(8):18–23 (Eng. Abstr.) (Rus)
[Pseudolymphoma of the nipple] Separović V, et al. **Lijec Vjesn** 1987 Jan;109(1):23–5 (Eng. Abstr.) (Scr)
[Mucosa-associated lymphoid tissue lymphomas. Apropos of 3 cases] Molero X, et al. **Med Clin (Barc)** 1986 Nov 8; 87(15):635–7 (Eng. Abstr.) (Spa)
[The nodal and extranodal lymphoid follicular mantle: physiological considerations and relation to lymphoid neoplasms] Obeso Fernández G, et al. **Med Clin (Barc)** 1987 May 23;88(20):807–9 (Spa)
[Peripheral T lymphoma. Clinicopathologic study of 11 cases] Montalbán C, et al. **Sangre (Barc)** 1986;31(4):435–47 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Distribution and modulation of surface charges of cells from human leukemia-lymphoma lines at various stages of differentiation. Marikovsky Y, et al. **Cancer** 1986 Nov 15; 58(10):2218–23
Cell surface properties associated with malignancy of metastatic large cell lymphoma cells. Joshi SS, et al. **Cancer Res** 1987 Jul 1;47(13):3551–7
Cyclosporine inhibition of CH series murine B-cell lymphomas. Gorelick MH, et al. **Cell Immunol** 1987 Jun; 107(1):219–26
Lymphocyte proliferative enhancing or inhibiting factors released by four human myeloid cell lines. Perocco P, et al. **Haematologica (Pavia)** 1987 May–Jun;72(3):209–13
Tumorigenicity of T lymphoma/T lymphoma hybrids and T lymphoma/normal cell hybrids. Hays EF, et al. **Int J Cancer** 1986 Oct 15;38(4):597–601
Involvement of leukocyte function-associated antigen-1 (LFA-1) in the invasion of hepatocyte cultures by lymphoma and T-cell hybridoma cells. Roos E, et al. **J Cell Biol** 1987 Jul;105(1):553–9
Down regulation of beta adrenergic receptors in S49 lymphoma cells induced by atypical agonists. Reynolds EE, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):654–60
Growth factor, viruses, and oncogenes in human lymphoid neoplasia. Sharma S, et al. **Lymphokine Res** 1987 Summer; 6(3):245–65 (71 ref.)
Diaphragmatic flutter in a patient with lymphoma. Barrio JL, et al. **Mt Sinai J Med (NY)** 1987 Feb;54(2):188–90
Acute fungal stomatitis in compromised host. Causative agents, serological findings, topical treatment. Kostiala I. **Proc Finn Dent Soc** 1986;82 Suppl 7–8:1–96
[Monoclonal antibodies inhibiting the function of a murine cytotoxic T lymphoma] Simonet-Martin MT, et al. **C R Soc Biol (Paris)** 1986;180(2):229–33 (Eng. Abstr.) (Fre)
[Holter ECG changes during induced hypertension chemotherapy] Okuma K, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1947–9 (Jpn)

PREVENTION & CONTROL

Prevention and treatment of Epstein-Barr virus (EBV)-associated lymphoproliferative diseases in immune deficient patients. Purtilo DT. **AIDS Res** 1986 Dec;2 Suppl 1:S177–81
Anti-idiotypic mechanisms involved in suppression of a mouse B cell lymphoma, BCL1. George AJ, et al. **J Immunol** 1987 Jan 15;138(2):628–34
Idiotype vaccination against murine B cell lymphoma. Inhibition of tumor immunity by free idiotype protein. Kaminski MS, et al. **J Immunol** 1987 Feb 15;138(4):1289–96

RADIOGRAPHY

Cerebellopontine angle lymphoma. Yang PJ, et al. **AJNR** 1987 Mar–Apr;8(2):368–9
Lymphomas of the head and neck: CT findings at initial presentation. Lee YY, et al. **AJR** 1987 Sep;149(3):575–81
Neuroradiologic findings in AIDS: a review of 200 cases. Levy RM, et al. **AJR** 1986 Nov;147(5):977–83
Radiological case of the month. Non-Hodgkin's lymphoma of the nasopharynx. Myer CM 3d, et al. **Am J Dis Child** 1987 Mar;141(3):319–21
Primary renal lymphoma. Does it exist? Kandel LB, et al. **Cancer** 1987 Aug 1;60(3):386–91
Circumferential para-aortic masses: computed tomographic observations. Chisholm RA, et al. **Clin Radiol** 1986 Nov; 37(6):531–5
Foraminal expansion by malignant retroorbital lymphoma: CT findings. Arnold AC, et al. **J Comput Assist Tomogr** 1987 Jul–Aug;11(4):730–2
Malignant lymphoma in Hashimoto thyroiditis: CT appearance. Ginaldi S. **J Comput Assist Tomogr** 1986 Nov–Dec;10(6):1071–2
Computed tomography in hematologic malignancies of paranasal sinuses. Yang PJ, et al. **J Comput Assist Tomogr** 1986 Nov–Dec;10(6):1003–5
Intracranial malignant lymphoma. Report of 30 cases and review of the literature. Jiddane M, et al. **J Neurosurg** 1986 Nov;65(5):592–9
An analysis of lymphographic signs for differentiating cancerous, lymphomatous, and normal lymph nodes. Tatsuzaki H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Apr 25; 47(4):575–84
ICON: a computer-based approach to differential diagnosis in radiology. Swett HA, et al. **Radiology** 1987 May; 163(2):555–8
Primary gastric lymphomas. Cavallo G, et al. **Rays** 1986 Jan–Apr;11(1):19–25
AIDS-related Kaposi sarcoma and lymphomas. Nyberg DA, et al. **Semin Roentgenol** 1987 Jan;22(1):54–65 (65 ref.)
[Computed tomography in the diagnosis of primary malignant lymphoma of the brain (report of 3 cases)] Zhao B. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Dec;20(6):364–6 (Eng. Abstr.) (Chi)

[Computed tomographic diagnosis of malignant lymphoma of the thorax] Bautz W. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:95–110 (69 ref.) **(Ger)**

[Computed tomographic diagnosis of malignant lymphoma of the abdomen] Kurtz B, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:111–28 (56 ref.) **(Ger)**

[Dynamic computed tomography in the diagnosis of lymphoma of the liver and spleen] Kurtz B, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:129–40 (26 ref.) **(Ger)**

[Computed tomography of the neck region] Lenz M. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:81–94 (75 ref.) **(Ger)**

[Special radiology of osseous manifestations of malignant lymphoma] Ozdoba C, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:57–62 (18 ref.) **(Ger)**

[Neuroradiologic diagnosis of malignant lymphoma] Petersen D, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:174–84 (37 ref.) **(Ger)**

[Conventional x-ray diagnosis of malignant lymphoma including angiography and lymphography] Walter E. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:34–56 (132 ref.) **(Ger)**

[Computerized tomography in the diagnosis of lesions of the retroperitoneal lymph nodes] Kolesnikova EK. **Radiol Diagn (Berl)** 1987;28(1):83–91 (Eng. Abstr.) **(Ger)**

[Hilar lymphoma as the 1st radiological manifestation of hypernephroma metastases. A case report] Theobaldy S, et al. **ROFO** 1987 Jul;147(1):103–4 **(Ger)**

[Unilateral hilar lymph node enlargement in sarcoidosis] Prugberger E. **Orv Hetil** 1987 Feb 15;128(7):353–6 (Eng. Abstr.) **(Hun)**

[Roentgenological and pathological analysis of six cases of primary small lymphoid tumors of the lungs] Kawabata Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Dec; 24(12):1325–33 (Eng. Abstr.) **(Jpn)**

[CT of primary malignant lymphoma of the paranasal sinuses] Maehara Y, et al. **Rinsho Hoshasen** 1986 Jun;31(6):737–40 (Eng. Abstr.) **(Jpn)**

[Primary malignant lymphoma of the brain] Tada S. **Rinsho Hoshasen** 1986 Sep;31(9):1037–8 **(Jpn)**

[X-ray diagnosis of malignant tumors of the lacrimal gland] Panfilova GV, et al. **Oftalmol Zh** 1986;(5):293–6 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Gallium-67 detection of occult gastric lymphoma in AIDS. Gianfelice D, et al. **AJR** 1987 Aug;149(2):305–6

Metabolizable 111In chelate conjugated anti-idiotype monoclonal antibody for radioimmunodetection of lymphoma in mice. Haseman MK, et al. **Eur J Nucl Med** 1986;12(9):455–60

Site-specifically modified 111In labelled antibodies give low liver backgrounds and improved radioimmunoscintigraphy. Alvarez VL, et al. **Int J Rad Appl Instrum [B]** 1986; 13(4):347–52

Indium-111 T101 monoclonal antibody is superior to iodine-131 T101 in imaging of cutaneous T-cell lymphoma. Carrasquillo JA, et al. **J Nucl Med** 1987 Mar;28(3):281–7

Thymic localization of gallium-67 in pediatric patients with lymphoid and nonlymphoid tumors. Hibi S, et al. **J Nucl Med** 1987 Mar;28(3):293–7

Immunolymphoscintigraphy in patients with lymphoma after subcutaneous injection of indium-111-labeled T101 monoclonal antibody. Keenan AM, et al. **J Nucl Med** 1987 Jan;28(1):42–6

Ligand-free, protein-bound technetium-99m iron-dextran enhancement of technetium pyrophosphate uptake in tumours. Pojer PM, et al. **Nucl Med Commun** 1985 Jun; 6(6):359–63

Lymphoma: evaluation with Ga-67 SPECT. Tumeh SS, et al. **Radiology** 1987 Jul;164(1):111–4

Considerations for tomographic imaging of monoclonal antibodies. Spies SM, et al. **Semin Nucl Med** 1987 Jul; 17(3):267–72

[False-positive findings of 67-gallium scintigraphy in staging/restaging of malignant lymphoma] Bihl H, et al. **ROFO** 1987 Feb;146(2):172–7 (Eng. Abstr.) **(Ger)**

[Intracardiac malignant lymphoma demonstrated by 201 thallium and 67 gallium scintigraphy] Hamada S, et al. **Kaku Igaku** 1987 Jan;24(1):65–70 (Eng. Abstr.) **(Jpn)**

[Dual tracer scintigraphy using 99mTc-rhenium-colloid and 67Ga-citrate (1): A basic investigation and clinical evaluation] Maruo N, et al. **Kaku Igaku** 1986 Aug; 23(8):1009–18 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Dual-field rotational (DFR) technique for total-skin electron-beam therapy (TSEBT). Kumar PP, et al. **Am J Clin Oncol** 1987 Aug;10(4):344–54

Spinal cord dose reduction using an anterior 13 MeV electron field situated between a split anterior 60Co supraclavicular field. Mills MD, et al. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1571–5

The impact of palliative irradiation on the management of patients with acquired immune deficiency syndrome. Nobler MP, et al. **J Clin Oncol** 1987 Jan;5(1):107–12

Primary malignant lymphoma of the central nervous system. Results of treatment of 11 cases and review of the literature. Murray K, et al. **J Neurosurg** 1986 Nov;65(5):600–7

Efficacy of astatine-211-labeled monoclonal antibody in treatment of murine T-cell lymphoma. Harrison A, et al. **NCI Monogr** 1987;(3):157–8

Interstitial radiobrachytherapy of malignant cerebral neoplasms: rationale, methodology, prospects. Apuzzo ML, et al. **Neurol Res** 1987 Jun;9(2):91–100

Primary gastrointestinal lymphoma. Ampil FL. **Oncology** 1987;44(4):214–8

Ultrasonographic measurement of tumor regression in radiation therapy. Shirato H, et al. **Radiat Med** 1986 Jul-Sep;4(3):81–5

Irradiation of bilateral orbital lymphoma: a non-coplanar technique with case reports. Harisiadis L, et al. **Radiother Oncol** 1987 Feb;8(2):123–8

Clinical prognostic factors in non-Hodgkin's lymphomas. Joensuu H. **Strahlenther Onkol** 1986 Sep;162(9):535–9

[Short course radiotherapy in malignant lymphoma] Zhang YW, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Sep; 8(5):358–60 (Eng. Abstr.) **(Chi)**

[Gastric adenocarcinoma after subdiaphragmatic radiotherapy of cecal lymphoma (letter)] Audhuy B, et al. **Presse Med** 1987 Feb 21;16(6):313 **(Fre)**

[Electron partial- amd total-skin irradiation (Tübinger method)] Christ G. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:240–9 **(Ger)**

[Radiotherapy of intracranial and spinal manifestations of malignant lymphoma] Petersen D, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:250–5 (19 ref.) **(Ger)**

[Radiotherapy of extranodal manifestations of malignant lymphoma] Schmidt B, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:228–39 (48 ref.) **(Ger)**

[Radiotherapy of cancer of hematogenic organs] Morita K, et al. **Gan No Rinsho** 1987 Mar;Spec No:453–65 **(Jpn)**

SECONDARY

Metastatic disease first presenting as eyelid tumors: a report of two cases and review of the literature. Morgan LW, et al. **Ann Ophthalmol** 1987 Jan;19(1):13–8

Ultrastructural analysis of experimentally induced invasion in the rat lung by tumor cells metastasizing lymphatically. Paku S, et al. **Anticancer Res** 1986 Sep-Oct;6(5):957–66

Prevention of metastatic spread by postoperative immunotherapy with virally modified autologous tumor cells. II. Establishment of specific systemic anti-tumor immunity. Schirrmacher V, et al. **Clin Exp Metastasis** 1987 Apr-Jun;5(2):147–56

Immunoresistant metastatic tumor variants can re-express their tumor antigen after treatment with DNA methylation-inhibiting agents. Altevogt P, et al. **Int J Cancer** 1986 Nov 15;38(5):707–11

Murine macrophage heparanase: inhibition and comparison with metastatic tumor cells. Savion N, et al. **J Cell Physiol** 1987 Jan;130(1):77–84

[Orbital localizations disclosing hematologic disease: discussion apropos of 4 cases] Boissonnot M, et al. **Bull Soc Ophtalmol Fr** 1985 Oct;85(10):1085–8 (Eng. Abstr.) **(Fre)**

[A case of B cell malignant lymphoma with in the liver and brain metastasis in Hashimoto's disease] Kuki K, et al. **Gan No Rinsho** 1987 Mar;33(3):287–92 (Eng. Abstr.) **(Jpn)**

SURGERY

Gastric cancer in the elderly. Edelman DS, et al. **Am Surg** 1987 Mar;53(3):170–3

Is an aggressive surgical approach to the patient with gastric lymphoma warranted? Rosen CB, et al. **Ann Surg** 1987 Jun; 205(6):634–40

Primary lymphoma of the liver treated with hepatic lobectomy and chemotherapy. Redondo C, et al. **Cancer** 1987 Aug 15;60(4):736–40

[Primary lymphomas of the gastro-intestinal tract] Corradini G, et al. **Chir Ital** 1987 Feb;39(1):3–16 (Eng. Abstr.) **(Ita)**

[A case of primary intestinal lymphoma] Mandolfino T, et al. **Chir Ital** 1986 Jun;38(3):282–7 (Eng. Abstr.) **(Ita)**

[A very rare case of primary lymphoma of the liver treated by extended right hepatectomy] Spagliardi E, et al. **Minerva Chir** 1986 Sep 30;41(17–18):1525–30 (Eng. Abstr.) **(Ita)**

[Non-epithelial neoplasms of the stomach. Case reports] Spisni R, et al. **Minerva Chir** 1986 Oct 15;41(19):1635–40 (Eng. Abstr.) **(Ita)**

[A case of malignant lymphoma of the heart with sick sinus syndrome and superior vena cava syndrome] Yano M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Feb;35(2):213–7 (Eng. Abstr.) **(Jpn)**

THERAPY

Data on the clinical aspects and therapy of primary gastrointestinal lymphomas. Patakfalvi A, et al. **Acta Med Hung** 1986;43(4):397–405

Treatment of orbital pseudotumors and lymphoma. Barthold HJ 2d, et al. **Am J Clin Oncol** 1986 Dec;9(6):527–32

Marrow transplantation for malignant disease. Thomas ED. **Am J Med Sci** 1987 Aug;294(2):75–9 (30 ref.)

Management of intra-abdominal lymphomas. Vo NM, et al. **Am Surg** 1987 Mar;53(3):167–9

Interferon and T-cell lymphoma [letter] Alcalay J, et al. **Ann Intern Med** 1987 Sep;107(3):428

Brief chemotherapy and involved field radiation therapy for limited-stage, histologically aggressive lymphoma. Connors JM, et al. **Ann Intern Med** 1987 Jul;107(1):25–30

A model for cancer treatment in advanced compared to early cancer. Leibovici J, et al. **Anticancer Res** 1986 Sep-Oct; 6(5):1225–30

New therapies for cutaneous T-cell lymphoma. Heald PW, et al. **Arch Dermatol** 1987 Feb;123(2):189–91

A comparative study of T-cell depleted and non-depleted marrow transplantation for hematological malignancy. Atkinson K, et al. **Aust NZ J Med** 1987 Feb;17(1):16–23

Treatment of a low immunogenic experimental tumour with alloactivated or tumour-immune lymphocytes. Parmiani G, et al. **Biochim Biophys Acta** 1987 Jul 8;907(2):163–74

Studies on B lymphoid tumors treated with monoclonal anti-idiotype antibodies: correlation with clinical responses. Lowder JN, et al. **Blood** 1987 Jan;69(1):199–210

Cytotoxicity of interleukin 2-activated lymphocytes for leukemia and lymphoma cells. Oshimi K, et al. **Blood** 1986 Oct;68(4):938–48

Monoclonal antibody 1F5 (anti-CD20) serotherapy of human B cell lymphomas. Press OW, et al. **Blood** 1987 Feb; 69(2):584–91

Peripheral blood stem cell autografts in the treatment of lymphoid malignancies: initial experience in three patients. Bell AJ, et al. **Br J Haematol** 1987 May;66(1):63–8

Primary lymphoma of the breast. Dixon JM, et al. **Br J Surg** 1987 Mar;74(3):214–6

Survival of surgical patients with carcinoma, lymphoma and carcinoid tumours of the small bowel. Taggart DP, et al. **Br J Surg** 1986 Oct;73(10):826–8

Modern management of non-Hodgkin's lymphoma. Mead GM, et al. **Br Med J [Clin Res]** 1986 Sep 6;293(6547):577–80 (50 ref.)

Stage I-II follicular lymphoma. Treatment results for 76 patients. McLaughlin P, et al. **Cancer** 1986 Oct 15; 58(8):1596–602

Prolongation of survival of mice bearing the Eb and ESb lymphoma by treatment with interferon inducers alone or in combination with Corynebacterium parvum. Storch E, et al. **Cancer Immunol Immunother** 1986;23(3):179–84

Experimental radioimmunotherapy of murine lymphoma with 131I-labeled anti-T-cell antibodies. Badger CC, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6223–8

Augmentation of the antimetastatic effect of anticoagulant drugs by immunostimulation in mice. Gorelik E. **Cancer Res** 1987 Feb 1;47(3):809–15

Recent advances in the treatment and research in lymphoma and Hodgkin's disease. **Cancer Surv** 1985;4(2):295–489

Monoclonal antibody therapy of lymphoid malignancy. Lowder JN, et al. **Cancer Surv** 1985;4(2):359–75

Surface immunoglobulin of B-lymphocytic tumours as a therapeutic target. Stevenson GT, et al. **Cancer Surv** 1985; 4(1):213–44 (90 ref.)

Treatment of cutaneous T-cell lymphoma. Vonderheid EC, et al. **Dermatol Clin** 1985 Oct;3(4):673–87 (153 ref.)

Bone marrow transplantation for malignant lymphoma. Appelbaum FR, et al. **Eur J Cancer Clin Oncol** 1987 Mar; 23(3):263–6 (17 ref.)

High dose therapy and autologous marrow transplantation as salvage treatment for patients with diffuse large cell lymphoma. Armitage JO, et al. **Eur J Cancer Clin Oncol** 1986 Jul;22(7):871–7

In vivo growth inhibition of Ia+ lymphomas in SJL mice treated with I-As-reactive monoclonal antibody. Alisauskas RM, et al. **Immunopharmacology** 1986 Aug; 12(1):1–9

Primary bone lymphoma. Sharma U, et al. **Indian J Cancer** 1986 Sep;23(3):157–62

Drug-concentration dependent sensitivity to lysis by antibody and complement, of adriamycin- or mitomycin-treated murine lymphoma cells. Leroux JY, et al. **Int J Immunopharmacol** 1987;9(2):191–7

Cutaneous malignant lymphoma. Esche BA, et al. **Int J Radiat Oncol Biol Phys** 1986 Dec;12(12):2111–5

Thyroid lymphomas stages IE and IIE: comparative results for radiotherapy only, combination chemotherapy only, and multimodality treatment. Vigliotti A, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1807–12

Continuous infusion of T101 monoclonal antibody in chronic lymphocytic leukemia and cutaneous T-cell lymphoma. Dillman RO, et al. **J Biol Response Mod** 1986 Oct; 5(5):394–410

Effect of forphenicinol, a low molecular weight immunomodifier, on the growth of and the immune responses to murine lymphoma EL4. Okura A, et al. **J Biol Response Mod** 1987 Feb;6(1):35–43

Treatment of malignant lymphoma in 100 patients with chemotherapy, total body irradiation, and marrow transplantation. Appelbaum FR, et al. **J Clin Oncol** 1987 Sep;5(9):1340–7

Synergistic antitumor effect of interferon and anti-idiotype monoclonal antibody in murine lymphoma. Basham TY, et al. **J Immunol** 1986 Nov 1;137(9):3019–24

Treatment of a murine B cell lymphoma with monoclonal antibodies and IL 2. Berinstein N, et al. **J Immunol** 1987 Aug 1;139(3):971–6

Anti-idiotypes in B-cell tumor therapy. Miller RA, et al. **NCI Monogr** 1987;(3):131–4
Aseptic necrosis of the femoral head following treatment of malignant lymphomas. Kuhn E, et al. **Radiobiol Radiother (Berl)** 1986;27(5):571–6
The management of primary lymphoma of bone. Mendenhall NP, et al. **Radiother Oncol** 1987 Jun;9(2):137–45
Hematologic malignancies: present status and future prospects. **Semin Oncol** 1986 Dec;13(4 Suppl 5):1–59
Alpha interferon treatment of low-grade B-cell non-Hodgkin's lymphomas, cutaneous T-cell lymphomas, and chronic lymphocytic leukemia. Foon KA, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 2):35–42 (43 ref.)
Bone marrow transplantation for acute leukemia and lymphoma with high-dose cytosine arabinoside and total body irradiation. Herzig RH, et al. **Semin Oncol** 1987 Jun; 14(2 Suppl 1):139–40
Primary malignant lymphoma of the appendix. Stewart RJ, et al. **Ulster Med J** 1986 Oct;55(2):187–9
[Hematologic cancers in 1987. Chemotherapy and immunotherapy] Fillet G, et al. **Rev Med Liege** 1987 May 15;42(10):496–502 **(Fre)**
[Intensive treatment and autologous bone marrow transplantation in cases of acute leukemia and lymphoma] Chapuis B, et al. **Schweiz Med Wochenschr** 1986 Aug 23; 116(34):1158–9 (Eng. Abstr.) **(Fre)**
[10 years' therapy of malignant lymphomas] Schaadt M, et al. **Onkologie** 1986 Oct;9 Suppl 2:34–9 **(Ger)**
[Hematology-oncology afternoon of the Austrian Society for Hematology and Oncology. Vienna, 12 June 1986. Abstracts] **Wien Klin Wochenschr** 1986 Sep 12; 98(17):585–93 **(Ger)**
[Splenectomy in lymphoma: surgical considerations] Spisni R, et al. **Minerva Chir** 1986 Oct 15;41(19):1585–8 (Eng. Abstr.) **(Ita)**
[Progress in the study, treatment and cure of hematologic malignancies in children in North America] Hammond D. **Gan To Kagaku Ryoho** 1987 Jan;14(1):11–6 (Eng. Abstr.) **(Jpn)**
[Evaluation of rIFN-gamma in the treatment of lymphoma and melanoma of the skin by systemic and intralesional administration] Jimbow K, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):152–8 (Eng. Abstr.) **(Jpn)**
[A new antitumor drug with immunomodulating activity, ubenimex (bestatin)] Tsukagoshi S. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2385–91 (Eng. Abstr.) **(Jpn)**
[Percutaneous silastic catheter insertion in thrombocytopenic children with malignant diseases] Nakadate H, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1345–9 (Eng. Abstr.) **(Jpn)**
[Cancer therapy with monoclonal antibody] Irie RF, et al. **Tanpakushitsu Kakusan Koso** 1986 Nov;31(14):1501–10 (31 ref.) **(Jpn)**
[Monoclonal antibodies against hematopoietic stem cells] Robak T. **Postepy Hig Med Dosw** 1986 Mar-Apr; 40(2):113–58 (178 ref.) (Eng. Abstr.) **(Pol)**
[Indications for splenectomy in leukemia, lymphoma and bone marrow aplasia—tactics, technic, complications] Popovici A, et al. **Rev Chir [Chir]** 1986 Jul-Aug; 35(4):241–52 (Eng. Abstr.) **(Rum)**
[Modulating effect of immunotherapy with modified tumor cells in transplantable lymphoma] Bratus' GG, et al. **Eksp Onkol** 1987;9(2):36–40 (Eng. Abstr.) **(Rus)**
[Migratory activity of leukocytes and status of proteolysis in patients with malignant lymphomas during radiation and detoxification therapy] Klimov IA, et al. **Lab Delo** 1987; (2):42–4 (Eng. Abstr.) **(Rus)**
[Organization of therapeutic-diagnostic services to patients with lymphoma of the skin in Leningrad and the Leningrad area] Iastrebov VV, et al. **Vestn Dermatol Venerol** 1987; (2):28–31 (Eng. Abstr.) **(Rus)**
[Total lymphoid irradiation] Solovera JJ, et al. **Med Clin (Barc)** 1987 May 30;89(1):17–8 **(Spa)**

ULTRASTRUCTURE

Primary gastric lymphoma with intranuclear inclusions. An immunohistochemical and ultrastructural study. Saito K, et al. **Acta Pathol Jpn** 1986 Nov;36(11):1769–79
Electron microscopy of leukemias and lymphomas. Dickersin GR. **Clin Lab Med** 1987 Mar;7(1):199–247
DNA ploidy patterns and cytokinetics of non-Hodgkin's lymphoma. Juneja SK, et al. **J Clin Pathol** 1986 Sep; 39(9):987–92
T-cell lymphoma with large multilobated nuclei. Pinel-Briquel N, et al. **Ultrastruct Pathol** 1986;10(5):437–44
[Round cell undifferentiated neoplasms. Ultrastructural and immunohistochemical study] Lavallée M, et al. **Union Med Can** 1986 Aug;115(8):543–50 (Eng. Abstr.) **(Fre)**
[Cytophotometric and electron microscopic studies of chronic human skin lymphomas. II. Research on lymph node involvement] Bushmarina MS, et al. **Tsitologiia** 1987 Apr;29(4):421–5 (Eng. Abstr.) **(Rus)**
[Electron microscopy study of skin lymphoma] Prikolab IP, et al. **Vestn Dermatol Venerol** 1987;(6):9–13 (Eng. Abstr.) **(Rus)**

VETERINARY

The cytology, histology and prevalence of cell types in canine lymphoma classified according to the National Cancer Institute Working Formulation. Carter RF, et al. **Can J Vet Res** 1986 Apr;50(2):154–64
Expression of the T200 family of glycoproteins in canine malignant lymphoma. Sarmiento UM, et al. **Can J Vet Res** 1987 Jan;51(1):89–94
A canine lymphocyte surface antigen detectable by a monoclonal antibody (DT200). Sarmiento UM, et al. **Can J Vet Res** 1987 Jan;51(1):110–6
Canine lymphoma-associated antigens defined by murine monoclonal antibodies. Steplewski Z, et al. **Cancer Immunol Immunother** 1987;24(3):197–201
Chemotherapy of lymphoma in cats [letter] Henness AM. **J Am Vet Med Assoc** 1987 Apr 1;190(7):836–7
Chemotherapy of lymphoma in 75 cats. Jeglum KA, et al. **J Am Vet Med Assoc** 1987 Jan 15;190(2):174–8
Generalized lymphadenopathy resembling lymphoma in cats: six cases (1972–1976). Mooney SC, et al. **J Am Vet Med Assoc** 1987 Apr 1;190(7):897–900
Alimentary lymphomas in the horse. Platt H. **J Comp Pathol** 1987 Jan;97(1):1–10
Intermediate filaments in normal tissues and lymphomas of northern pike, Esox lucius L., from the Aland Islands of Finland. Thompson JS, et al. **J Comp Pathol** 1987 May; 97(3):257–66
Spontaneous malignant lymphoma in an African green monkey naturally infected with simian T-lymphotropic virus (STLV). Sakakibara I, et al. **J Med Primatol** 1986; 15(5):311–8
Isolation of a lentivirus from a macaque with lymphoma: comparison with HTLV-III/LAV and other lentiviruses. Benveniste RE, et al. **J Virol** 1986 Nov;60(2):483–90
Further evidence for papovavirus as the probable etiology of transmissible lymphoma of Syrian hamsters. Barthold SW, et al. **Lab Anim Sci** 1987 Jun;37(3):283–8
Multiple chromosomal rearrangements in a spontaneously arising t(6;7) rat immunocytoma juxtapose c-myc and immunoglobulin heavy chain sequences. Pear WS, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7376–80
Lymphocyte 5'-nucleotidase activities in normal dogs and in dogs with malignant lymphoma. Sarmiento UM, et al. **Vet Immunol Immunopathol** 1986 Dec;13(4):281–8
Immunological classification of a pike lymphoma. Thompson JS, et al. **Vet Immunol Immunopathol** 1986 Jun; 12(1–4):421–30
Similarities of two separate cases of feline neoplasia [letter] Harvey JW, et al. **Vet Pathol** 1987 Mar;24(2):200
[The course of infection with bovine leukosis virus (BLV) in calves after the administration of cell extract from lymph node tumors of BLV-infected cattle] Ristau E, et al. **Arch Exp Veterinarmed** 1987 May;41(3):323–31 (Eng. Abstr.) **(Ger)**

LYMPHOMA, BURKITT'S see **BURKITT'S LYMPHOMA**

LYMPHOMA, GIANT FOLLICULAR

COMPLICATIONS

A case of Leser-Trélat sign [letter] Holdiness MR. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):147–8

DIAGNOSIS

Follicular lymphoma mimicking progressive transformation of germinal centers. Osborne BM, et al. **Am J Clin Pathol** 1987 Sep;88(3):264–9

DRUG THERAPY

Long-term results of treatment of patients with follicular lymphomas. Kalter S, et al. **Hematol Oncol** 1987 Apr-Jun; 5(2):127–38
Durable remissions in stage III follicular lymphoma: interpret with caution [editorial] Horning SJ. **J Clin Oncol** 1987 Jun; 5(6):838–9
[Bestrabucil-induced complete remission in a case of follicular lymphoma, medium-sized cell type, stage IV (leukemic)] Hirano M, et al. **Gan No Rinsho** 1986 Sep; 32(11):1491–4 (Eng. Abstr.) **(Jpn)**
[Phase II study of chlorambucil in patients with hematological malignancies] Inoue K, et al. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2672–5 (Eng. Abstr.) **(Jpn)**
[Phase II study of prednimustine in follicular lymphoma and chronic lymphocytic leukemia] Ito Y, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):173–8 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

The gene located at chromosome 18 band q21 is rearranged in uncultured diffuse lymphomas as well as follicular lymphomas. Lee MS, et al. **Blood** 1987 Jul;70(1):90–5
Molecular analysis of mbcl-2: structure and expression of the murine gene homologous to the human gene involved in follicular lymphoma. Negrini M, et al. **Cell** 1987 May 22;49(4):455–63
Mechanism of the t(14;18) chromosomal translocation: structural analysis of both derivative 14 and 18 reciprocal partners. Bakhshi A, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2396–400
DNA rearrangements in human follicular lymphoma can involve the 5' or the 3' region of the bcl-2 gene. Tsujimoto Y, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1329–31
Detection of minimal residual cells carrying the t(14;18) by DNA sequence amplification. Lee MS, et al. **Science** 1987 Jul 10;237(4811):175–8

IMMUNOLOGY

[IgG producing follicular lymphoma with IgG lambda type M-proteinemia; a case report] Igarashi T, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1909–15 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Diffuse large cell lymphomas of follicular center cell origin presenting in the skin. A clinicopathologic and immunologic study of 16 patients. Willemze R, et al. **Am J Pathol** 1987 Feb;126(2):325–33
Follicular lymphoma with abundant PAS-positive extracellular material. Immunohistochemical and ultrastructural observations. Chittal SM, et al. **Am J Surg Pathol** 1987 Aug;11(8):618–24
Clinical and pathologic features of follicular large cell (nodular histiocytic) lymphoma. Horning SJ, et al. **Cancer** 1987 Apr 15;59(8):1470–4
Small noncleaved follicular center cell lymphoma: Burkitt's and non-Burkitt's variants in the US. II. Pathologic and immunologic features. Pavlova Z, et al. **Cancer** 1987 Jun 1;59(11):1892–902
The extracellular matrix in "sclerosing" follicular center cell lymphomas: an immunohistochemical and ultrastructural study. McCurley TL, et al. **Hum Pathol** 1986 Sep; 17(9):930–8
Primary cutaneous large cell lymphomas of follicular center cell origin. A clinical follow-up study of nineteen patients. Willemze R, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):518–26
Follicular lymphoma: prognostic factors for response and survival. Gallagher CJ, et al. **J Clin Oncol** 1986 Oct; 4(10):1470–80
A B cell growth factor-dependent cell line derived from a human lymphocytic nodular lymphoma. Genot E, et al. **Scand J Immunol** 1987 Jul;26(1):37–46
[Initial manifestation of a non-Hodgkin lymphoma on the external ear—a case report on the differential diagnosis of pseudolymphoma of the skin] Nischwitz AS, et al. **Z Arztl Fortbild (Jena)** 1986;80(15):635–7 **(Ger)**

SECONDARY

Malignant lymphoma: cardiac involvement at initial presentation. Gill PS, et al. **J Clin Oncol** 1987 Feb; 5(2):216–24

THERAPY

Initial experience in treating human lymphoma with a chimeric univalent derivative of monoclonal anti-idiotype antibody. Hamblin TJ, et al. **Blood** 1987 Mar;69(3):790–7
[A case of a long-term course of Brill-Symmers disease without active antineoplastic therapy] Berliner GB. **Ter Arkh** 1987;59(6):136–8 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

[Malignant lymphomas with multilobulated cell nuclei] Metz KA, et al. **Pathologe** 1987 Jul;8(4):213–6 **(Ger)**

LYMPHOMA, HISTIOCYTIC

[Primary malignant lymphoma of the breast. Apropos of 2 cases] Cerrai FG, et al. **Minerva Chir** 1987 Mar 15; 42(5):445–9 (Eng. Abstr.) **(Ita)**

ANALYSIS

Oncostatin M: a growth regulator produced by differentiated histiocytic lymphoma cells. Zarling JM, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9739–43

COMPLICATIONS

Paroxysmal nocturnal hemoglobinuria preceding malignant lymphoma. Christou T, et al. **Arch Intern Med** 1987 Feb; 147(2):377–8
Coexistence of hairy-cell leukemia and histiocytic lymphoma. Rothman H, et al. **J Am Osteopath Assoc** 1987 Feb;87(2):134–8
Case report: Brown-Séquard's syndrome associated with histiocytic lymphoma. Drake TR, et al. **J Emerg Med** 1987; 5(1):1–4

DIAGNOSIS

Lymphoid tumors of the orbit. A clinico-pathological study of eleven cases. Buyck A, et al. **Bull Soc Belge Ophtalmol** 1985;214:139–47
Clinical aspects of ocular reticulum cell sarcoma. Leys A, et al. **Bull Soc Belge Ophtalmol** 1985;214:17–28
Ultrastructural findings in the bone marrow of a patient with true histiocytic lymphoma. Lewinski UH, et al. **Haematologica (Pavia)** 1986 Jul-Aug;71(4):299–302
[Diagnostic difficulties of Parker-Jackson sarcoma. Apropos of 2 cases] Jardé O, et al. **J Radiol** 1987 Apr;68(4):305–7 (Eng. Abstr.) **(Fre)**
[Difficulties in establishing the final diagnosis of mediastinal tumor in a 9-year-old boy] Krasowska I, et al. **Pediatr Pol** 1986 Sep;61(9):593–7 **(Pol)**

DRUG THERAPY

Characterization of a new tumor in NMRI-mice suitable for chemotherapeutic experiments. Fichtner I, et al. **Arch Geschwulstforsch** 1987;57(2):105-14

Primary non-Hodgkin's lymphoma of the liver. Czerniak A, et al. **Eur J Surg Oncol** 1987 Jun;13(3):251-5

Treatment of non-Hodgkin's lymphoma in the elderly [letter] Zagonel V, et al. **J Clin Oncol** 1986 Dec;4(12):1866-7

Antitumoral activity of the oxazaphosphorine derivative, mafosfamide-cyclohexylamine salt (ASTA 7557) on a murine ovarian reticular cell sarcoma and its subline resistant to cyclophosphamide. Colombo T, et al. **Tumori** 1986 Dec 31;72(6):637-42

ETIOLOGY

Unusual urological presentations of acquired immune deficiency syndrome: large cell lymphoma. Mohler JL, et al. **J Urol** 1987 Sep;138(3):627-9

[Small bowel lymphoma as a complication of non-tropical sprue (celiac disease). A case report] Raaijmakers PA, et al. **ROFO** 1987 Jan;146(1):103-4 **(Ger)**

FAMILIAL & GENETIC

Detection of a transforming gene in spontaneous reticulum cell sarcoma of SJL/J mice: genetically linked and host-dependent neoplasia. Pulciani S, et al. **Cancer Res** 1987 Jan 15;47(2):523-6

IMMUNOLOGY

A comparative marker study of large cell lymphoma, Hodgkin's disease, and true histiocytic lymphoma in paraffin-embedded tissue. Meis JM, et al. **Am J Clin Pathol** 1986 Nov;86(5):591-9

Antibody-dependent cytotoxicity on chicken red blood cell targets mediated by the U937 cell line. Villiers MB, et al. **Immunology** 1987 Jul;61(3):277-82

Quantitative analysis of immunosuppression in cyclosporine-treated heart transplant patients with lymphoma. Brumbaugh J, et al. **J Heart Transplant** 1985 May;4(3):307-11

Specific lymphocyte-target cell conjugate formation between tumor-specific helper T-cell hybridomas and IA-bearing RCS tumors and IE-bearing allogeneic cells. I. Role of Ia and both L3T4 and LFA-1 antigens in recognition/binding. Ohnishi K, et al. **J Immunol** 1986 Dec 1;137(11):3681-8

Lymphoid cell populations in splenectomized and nonsplenectomized SJL/J mice bearing Hodgkin's disease-like reticulum cell sarcoma. Brooks SP, et al. **J Pediatr Surg** 1986 Dec;21(12):1114-8

METABOLISM

Increased level of ribonucleotide reductase in deoxyadenosine resistant adenosine deaminase deficient human histiocytic lymphoma cells. Dahbo Y, et al. **Adv Exp Med Biol** 1986;195 Pt B:231-4

Immunosuppressive acidic protein in true histiocytic lymphoma. Yamamura T, et al. **Cancer** 1987 Jul 1; 60(1):38-41

Prostaglandin and thromboxane synthesis by M5076 ovarian reticulosarcoma during growth: effects of a thromboxane synthetase inhibitor. Chiabrando C, et al. **Cancer Res** 1987 Feb 15;47(4):988-91

Proteoglycans in normal and neoplastic monocytes. Kolset SO. **Exp Cell Res** 1987 Feb;168(2):318-24

Altered metabolism and cell surface expression of glycosphingolipids caused by vitamin E in cultured murine (K3T3) reticulum sarcoma cells. Yogeeswaran G, et al. **Lipids** 1986 Oct;21(10):643-7

MICROBIOLOGY

Deletion mutations in the small t antigen gene alter the tissue specificity of tumors induced by simian virus 40. Matthews BJ, et al. **J Virol** 1987 Apr;61(4):1282-5

MORTALITY

Predictive model for prognosis in advanced diffuse histiocytic lymphoma. Danieu L, et al. **Cancer Res** 1986 Oct; 46(10):5372-9

PATHOLOGY

Composite lymphoma (Hodgkin's and non-Hodgkin's) of the spleen in a previously untreated patient. Mittal BB, et al. **Acta Haematol (Basel)** 1986;76(1):29-32

Malignant lymphoma presenting as a renal mass: four cases. Osborne BM, et al. **Am J Surg Pathol** 1987 May; 11(5):375-82

Malignant lymphoma of the breast. A study of 53 patients. Brustein S, et al. **Ann Surg** 1987 Feb;205(2):144-50

Clinical and pathologic features of follicular large cell (nodular histiocytic) lymphoma. Horning SJ, et al. **Cancer** 1987 Apr 15;59(8):1470-4

A morphologic study of childhood lymphoma of the diffuse "histiocytic" type. The Pediatric Oncology Group experience. Nathwani BN, et al. **Cancer** 1987 Mar 15; 59(6):1138-42

Fatty replacement of lymph nodes mimicking lymphoma relapse. Smith T. **Cancer** 1986 Dec 15;58(12):2686-8

A reappraisal of Richter's syndrome. Development of two phenotypically distinctive cell lines in a case of chronic lymphocytic leukemia. Suster S, et al. **Cancer** 1987 Apr 15;59(8):1412-8

Malignant lymphoma of the uterine cervix--a report of two cases with review of literature. Gharpure KJ, et al. **Indian J Cancer** 1985 Dec;22(4):296-302

Characterization of a murine tumor of spontaneous origin with selective hepatic metastasis. Jones CB, et al. **Invasion Metastasis** 1987;7(3):144-57

Regulation of Ia+ reticulum cell sarcoma (RCS) growth in syngeneic SJL/J mice. I. Inhibition of tumor growth by passive administration of L3T4 monoclonal antibody before or after tumor inoculation. Ohnishi K, et al. **J Immunol** 1987 Jun 15;138(12):4524-9

Histologic conversion of an unfavorable primary brain lymphoma to a favorable type. Zevallos M, et al. **J Neurooncol** 1986;4(2):183-6

Structure-activity relationships of aromatic retinoids on the differentiation of the human histiocytic lymphoma cell line U-937. Chomienne C, et al. **Leuk Res** 1986;10(11):1301-5

Orbital histiocytic lymphoma arising from the ethmoid sinus. Cheij G, et al. **Ophthalmic Surg** 1987 Feb;18(2):95-6

Biological characteristics of interferon-r-induced resistant histiocytic lymphoma cell line U937. Ho CK, et al. **Proc Natl Sci Counc Repub China [B]** 1987 Apr;11(2):100-6

[Primary malignant lymphoma of the brain of true histiocytic origin] Steiner H, et al. **Routgenblatter** 1986 Dec; 39(12):347-9 (Eng. Abstr.) **(Ger)**

[Primary reticulosarcoma of the mandible. Clinical and histopathological observations] Centini S, et al. **Minerva Stomatol** 1987 Jan-Feb;36(1-2):71-7 (Eng. Abstr.) **(Ita)**

[A case of Gottron reticulosarcomatosis of the skin] Zoirov PT, et al. **Vestn Dermatol Venerol** 1986;(8):35-7 (Eng. Abstr.) **(Rus)**

RADIOTHERAPY

[Chemoradiation pathomorphosis of Ewing's tumor and reticulosarcoma] Polonskaia NIu. **Med Radiol (Mosk)** 1987 Apr;32(4):11-3 (Eng. Abstr.) **(Rus)**

SECONDARY

Limbic lymphoma. Arasaki K, et al. **Neuroradiology** 1987; 29(4):389-92

SURGERY

Right hepatic lobectomy for primary lymphoma: a case report and literature review. Miyamoto Y, et al. **Jpn J Surg** 1986 Jul;16(4):292-7

THERAPY

[Sarcoma and hematosarcoma of the colon] Popovici A, et al. **Rev Chir [Chir]** 1986 Nov-Dec;35(6):425-34 (Eng. Abstr.) **(Rum)**

ULTRASTRUCTURE

Filiform large-cell lymphomas. An ultrastructural and immunohistochemical study. Bernier V, et al. **Am J Surg Pathol** 1987 May;11(5):387-96

LYMPHOMA, LYMPHOCYTIC

Primary non-Hodgkin's lymphoma of larynx (a case report). Ghosh KC, et al. **J Postgrad Med** 1986 Apr;32(2):103-4

CLASSIFICATION

Lymphocytic lymphoma of intermediate differentiation--mantle zone lymphoma: a distinct subtype of B-cell lymphoma. Jaffe ES, et al. **Hum Pathol** 1987 Sep; 18(9):877-80

[Mature-cell lymphocytic tumors] Vorob'ev AI, et al. **Ter Arkh** 1986;58(9):4-8 **(Rus)**

COMPLICATIONS

Sarcoidal reaction to lymphoma presenting as granulomatous rosacea. Sherertz EF, et al. **Arch Dermatol** 1986 Nov; 122(11):1303-5

T cell lymphoma in a patient with longstanding rheumatoid arthritis and Sjögren's syndrome [letter] Isenberg DA, et al. **Arthritis Rheum** 1987 Jan;30(1):115-7

Squamous cell carcinoma of head and neck in patients with well-differentiated lymphocytic lymphoma. Perez-Reyes N, et al. **Cancer** 1987 Feb 1;59(3):540-4

Glomerulonephritis, B monoclonal small lymphocytic lymphoma and mixed cryoglobulinemia. Jacquot C, et al. **Clin Nephrol** 1987 May;27(5):263-8

Chronic secondary caeco-colic intussusception in a boy associated with primary malignant lymphoma of caecum (a case report). Yadav K, et al. **J Postgrad Med** 1986 Apr; 32(2):94-6

Syndrome of temporal arteritis with perivascular infiltration by malignant cells in a patient with follicular small cleaved cell lymphoma. Webster E, et al. **J Rheumatol** 1986 Dec; 13(6):1163-6

Two new cases of cutaneous alternariosis with a review of the literature. Viviani MA, et al. **Mycopathologia** 1986 Oct; 96(1):3-12

Demyelinating neuropathy due to primary IgM kappa B cell lymphoma of peripheral nerve. Ince PG, et al. **Neurology** 1987 Jul;37(7):1231-5

[Dysmyelopoiesis and T lymphoma. 2 cases] Sainty D, et al. **Ann Med Interne (Paris)** 1987;138(2):101-4 (Eng. Abstr.) **(Fre)**

[Kidney failure disclosing lymphoma (letter)] Gentric A, et al. **Presse Med** 1987 May 9;16(17):825 **(Fre)**

[Immunodeficiency in lymphoproliferative processes and possibilities of correcting it] Kirzon SS, et al. **Gematol Transfuziol** 1987 Jan;32(1):18-24 (Eng. Abstr.) **(Rus)**

[Lymphoma associated with autoimmune pancytopenia (letter)] Barquinero J, et al. **Rev Clin Esp** 1986 Sep; 179(4):218-9 **(Spa)**

[An unusual skin manifestation in lymphocytic malignant lymphoma] Zylberstein D, et al. **Lakartidningen** 1987 Apr 1;84(14):1167-8 **(Swe)**

DIAGNOSIS

Non-Hodgkin's lymphoma in childhood presenting as thyroid enlargement. Fiorillo A, et al. **Clin Pediatr (Phila)** 1987 Mar;26(3):152-4

Differences in the enzymatic profile in human lymphoid tumors. Ubeira FM, et al. **Rev Esp Oncol** 1984;31(4):559-73

[Monoclonal antibodies applied to cutaneous lymphocytic infiltrates] Dreno B. **Ann Dermatol Venereol** 1987; 114(2):285-7 **(Fre)**

[Unusual echographic finding of renal lymphoma. Description of 2 cases] Bagnolesi P, et al. **Radiol Med (Torino)** 1987 Jun;73(6):597-9 **(Ita)**

DRUG THERAPY

[Treatment of T-cell skin lymphoma with retinoids] Claudy AL. **Ther Umsch** 1986 Sep;43(9):707-11 (23 ref.) (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

High adenosine deaminase activity level in pleural effusion [letter] Perez Vidal R, et al. **Chest** 1986 Oct;90(4):625

ETIOLOGY

Chronic lymphocytic leukaemia: case control epidemiological study in Yorkshire. Cartwright RA, et al. **Br J Cancer** 1987 Jul;56(1):79-82

IMMUNOLOGY

A comparative marker study of large cell lymphoma, Hodgkin's disease, and true histiocytic lymphoma in paraffin-embedded tissue. Meis JM, et al. **Am J Clin Pathol** 1986 Nov;86(5):591-9

Intermediate lymphocytic lymphoma: immunophenotypic and cytogenetic findings. Weisenburger DD, et al. **Blood** 1987 Jun;69(6):1617-21

Concurrent presence of two clonal populations in small lymphocytic lymphoma of the lung. Ben-Ezra J, et al. **Hum Pathol** 1987 Apr;18(4):399-402

Use of immunohistochemistry for identification of primary lymphoma of the bladder. Siegelbaum MH, et al. **J Urol** 1986 Nov;136(5):1074-6

Immunoelectron microscopic localization of immunoglobulin in B-cell lymphomas. Mimura R, et al. **Virchows Arch [B]** 1986;52(3):207-20

PATHOLOGY

Mantle-zone lymphoma: additional arguments for its origin [letter] Manconi R, et al. **Am J Surg Pathol** 1987 Apr; 11(4):333-4

Mantle-zone lymphoma: another opinion [letter] Weisenburger DD. **Am J Surg Pathol** 1986 Oct; 10(10):733-5

Malignant lymphoma of the breast. A study of 53 patients. Brustein S, et al. **Ann Surg** 1987 Feb;205(2):144-50

Lymphocytic plasmocytoid lymphoma with a three-banded gammopathy: reactivity of one of these paraproteins with cytomegalovirus. Köhler M, et al. **Blut** 1987 Jan; 54(1):25-32

Immunohistological study of two malignant lymphomas found as testicular tumors. Takeuchi T, et al. **Eur Urol** 1987;13(1-2):134-7

Immunophenotypes in "well-differentiated" lymphoproliferative disorders, with emphasis on small lymphocytic lymphoma. Spier CM, et al. **Hum Pathol** 1986 Nov;17(11):1126-36

Intermediate lymphocytic lymphoma: an immunohistologic study with comparison to other lymphocytic lymphomas. Weisenburger DD, et al. **Hum Pathol** 1987 Aug; 18(8):781-90

Extranodal lymphoma in the head and neck region. Kaur H, et al. **J Indian Med Assoc** 1986 Oct;84(10):314-6

Histologic conversion of an unfavorable primary brain lymphoma to a favorable type. Zevallos M, et al. **J Neurooncol** 1986;4(2):183-6

NonHodgkin's lymphoma of the female urethra. Touhami H, et al. **J Urol** 1987 May;137(5):991-2

Primary intramedullary spinal cord lymphoma: report of a case. Itami J, et al. **Jpn J Clin Oncol** 1986 Dec;16(4):407-12

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 47-1986. A 64-year-old man with unsteady gait and unilateral exophthalmos. **N Engl J Med** 1986 Nov 27;315(22):1401-9

Multifocal static creamy choroidal infiltrates. An early sign

of lymphoid neoplasia. Jakobiec FA, et al. **Ophthalmology** 1987 Apr;94(4):397–406

[The clinical and immunopathological observation on three cases of peripheral T lymphoma (PTL)] Su ZL. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Sep;15(3):163–6 (Eng. Abstr.) **(Chi)**

[Lymphomatoid papulosis] Belaïch S. **Ann Dermatol Venereol** 1986;113(6–7):591–2 **(Fre)**

[Multisegmental malignant lymphoma of the digestive tract (apropos of a case report and review of the literature)] Filali A, et al. **Tunis Med** 1986 Oct;64(10):843–6 (Eng. Abstr.) **(Fre)**

[Intestinal localizations of non-Hodgkin's lymphoma (clinical and histopathologic considerations)] Vigoni A, et al. **Chir Ital** 1986 Aug;38(4):392–8 (Eng. Abstr.) **(Ita)**

[Solitary malignant lymphoma of the stomach] Dotsenko SA, et al. **Klin Khir** 1987;(5):42 **(Rus)**

RADIOTHERAPY

Radioimmunodetection and radioimmunotherapy of cutaneous T cell lymphomas using an 131I-labeled monoclonal antibody: an Illinois Cancer Council Study. Rosen ST, et al. **J Clin Oncol** 1987 Apr;5(4):562–73

SURGERY

[Anesthesia management in tumors of the anterior mediastinum. Apropos of a case] Aguado Gil E, et al. **Rev Esp Anestesiol Reanim** 1986 Jul–Aug;33(4):268–70 (Eng. Abstr.) **(Spa)**

THERAPY

Acute cryoglobulinemic renal failure after intravenous infusion of gamma globulin. Barton JC, et al. **Am J Med** 1987 Mar 23;82(3 Spec No):624–9

Recombinant interferon alfa-2a, an active agent in advanced cutaneous T-cell lymphomas. Bunn PA Jr, et al. **Int J Cancer [Suppl]** 1987;1:9–13

Malignant lymphoma. Ross SW, et al. **J Arkansas Med Soc** 1987 Jan;83(8):331–2

Primary lymphocytic lymphoma of the dorsal spine apparently cured by radiochemotherapy. Shehata WM, et al. **Spine** 1986 Dec;11(10):1035–6

ULTRASTRUCTURE

Lymphocyte nuclear morphology in diffuse well-differentiated lymphocytic lymphoma. Comparative morphometry of normal lymphoid tissues, non-Hodgkin's lymphoma, and Hodgkin's disease. Dardick I, et al. **Arch Pathol Lab Med** 1987 Feb;111(2):130–8

LYMPHOMA, MEDITERRANEAN see **IMMUNOPROLIFERATIVE SMALL INTESTINAL DISEASE**

LYMPHOMA, MIXED

COMPLICATIONS

Localized conjunctival amyloidosis associated with extranodal lymphoma. Marsh WM, et al. **Ophthalmology** 1987 Jan;94(1):61–4

DIAGNOSIS

Extradural lymphoma presenting as an acute surgical emergency. Rabin DN, et al. **Neurosurgery** 1987 May; 20(5):788–90

PATHOLOGY

Malignant lymphoma of the breast. A study of 53 patients. Brustein S, et al. **Ann Surg** 1987 Feb;205(2):144–50

LYMPHOMA, NON-HODGKIN'S

Non-Hodgkin's lymphoma of the larynx in children. Cohen SR, et al. **Ann Otol Rhinol Laryngol** 1987 Jul–Aug; 96(4):357–61

Primary non-Hodgkin's lymphoma of duodenum. Mondal A, et al. **J Indian Med Assoc** 1986 Aug;84(8):249–50

[Benign cutaneous lymphocytoma] Friedel J, et al. **Ann Dermatol Venereol** 1986;113(12):1301–9 **(Fre)**

[Primary-multiple malignant tumors and their metastasis] Poluéktov IuA, et al. **Klin Khir** 1987;(5):45–6 **(Rus)**

[Primary localization of a malignant lymphoma in the salivary gland—case report] Belić A, et al. **Med Pregl** 1986; 39(7–8):335–7 (Eng. Abstr.) **(Scr)**

ANALYSIS

DNA-protein flow cytometric analysis in non-Hodgkin lymphoma. Del Bino G, et al. **Basic Appl Histochem** 1987; 31(2):183–90

DNA content and prognosis of non-Hodgkin's lymphoma. Morgan DR, et al. **Br J Cancer** 1986 Oct;54(4):643–9

Gangliosides in acute myeloid leukaemia (AML) and non-Hodgkin's lymphoma (NHL). Anh-Tuan N, et al. **Eur J Cancer Clin Oncol** 1986 Aug;22(8):1003–7

Aberrant ribonucleotide pattern in lymphoid cells from patients with chronic lymphocytic leukaemia or non-Hodgkin lymphoma. de Korte D, et al. **Int J Cancer** 1987 Aug 15;40(2):192–7

Soluble interleukin-2 receptor levels in patients with undifferentiated and lymphoblastic lymphomas: correlation with survival. Wagner DK, et al. **J Clin Oncol** 1987 Aug; 5(8):1262–74

[Analysis of nuclear DNA content and nuclear size in non-Hodgkin's lymphoma] Shimazaki C, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 May;49(3):676–85 (Eng. Abstr.) **(Jpn)**

BLOOD

Serum from patients with non-Hodgkin's lymphoma (NHL) inhibits T-cell colony formation. Hutchison RE, et al. **Am J Hematol** 1987 Jun;25(2):143–53

High serum interleukin-2 receptor levels are related to advanced disease and a poor outcome in childhood non-Hodgkin's lymphoma. Pui CH, et al. **Blood** 1987 Sep; 70(3):624–8

Abnormal proliferation of T-colony-forming cells from peripheral blood of patients with T-cell acute lymphoblastic leukaemias and lymphomas in complete remission: potential prognostic value. Allouche M, et al. **Br J Haematol** 1987 Apr;65(4):411–8

Ketoconazole pharmacokinetics during chronic dosing in adults with haematological malignancy. Stockley RJ, et al. **Eur J Clin Microbiol** 1986 Oct;5(5):513–7

Immunoglobulin profile in lymphomas [letter] Kaur H, et al. **J Assoc Physicians India** 1986 Jun;34(6):457

[Changes in the factor VIII molecular complex in Hodgkin's disease and non-Hodgkin's lymphoma] Lisichkov T, et al. **Vutr Boles** 1987;26(3):69–71 (Eng. Abstr.) **(Bul)**

[Determination of methotrexate concentration in serum: comparison between capillary and venous blood] Bömelburg T, et al. **Klin Padiatr** 1987 May–Jun; 199(3):230–2 (Eng. Abstr.) **(Ger)**

[Clinical importance of the determination of serum ferritin in lymphoma] Fanci R, et al. **G Clin Med** 1987 Mar; 68(3):149–52 (Eng. Abstr.) **(Ita)**

[Serum ferritin as a possible tumor marker in malignant tumors of children] Balitskaia OV, et al. **Pediatriia** 1987; (2):64–7 (Eng. Abstr.) **(Rus)**

[Morphofunctional characteristics of blasts in lymphoblastic leukemia and lymphoblastic lymphosarcoma] Frenkel' MA, et al. **Ter Arkh** 1987;59(6):31–4 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Lactic acid concentration and acid–base balance in cerebrospinal fluid: observations of diagnostic importance in non-Hodgkin lymphoma. Bjerrum OW, et al. **Neoplasma** 1987;34(1):27–31

CHEMICALLY INDUCED

Herbicides and cancer [letter] Weininger RB, et al. **JAMA** 1987 May 1;257(17):2292

Soft tissue sarcoma and non-Hodgkin's lymphoma in relation to phenoxyherbicide and chlorinated phenol exposure in western Washington. Woods JS, et al. **JNCI** 1987 May; 78(5):899–910

[Solvents and non-Hodgkin's lymphoma—an investigation of a case of occupational disease] Ahman M, et al. **Lakartidningen** 1987 Jan 7;84(1–2):45–6 **(Swe)**

CLASSIFICATION

Computerized classification of nuclear profiles in non-Hodgkin's lymphomas. Marchevsky AM, et al. **Am J Clin Pathol** 1987 May;87(5):561–8

What should be the morphologic criteria for the subdivision of follicular lymphomas? Nathwani BN, et al. **Blood** 1986 Oct;68(4):837–45

A morphologic study of childhood lymphoma of the lymphoblastic type. The pediatric Oncology Group experience. Griffith RC, et al. **Cancer** 1987 Mar 15; 59(6):1126–31

A morphologic study of childhood lymphoma of the undifferentiated type. The Pediatric Oncology Group experience. Kelly DR, et al. **Cancer** 1987 Mar 15; 59(6):1132–7

A morphologic, immunologic, and cytometric approach to the classification of non-Hodgkin's lymphoma in effusions. Katz RL, et al. **Diagn Cytopathol** 1987 Jun;3(2):91–101

Subclassification of follicular lymphomas by computerized microscopy. Kaufman AG, et al. **Hum Pathol** 1987 Mar; 18(3):226–31

Malignant lymphoma—a clinician's view. Mead GM. **J Pathol** 1987 Mar;151(3):179–82 (15 ref.)

Lymphomania. Non-Hodgkin's lymphoma as possibly viewed through the eyes of Lewis Carroll. Glatstein E. **J R Soc Med** 1987 Feb;80(2):70–3

Classification of non-Hodgkin's lymphomas. Sumithran E. **Malays J Pathol** 1980 Aug;3:1–4

The classification of non-Hodgkin's lymphomas. Wright DH. **Malays J Pathol** 1985 Aug;7:17–31 (42 ref.)

Classifying non-Hodgkin's lymphomas. Nathwani BN. **Monogr Pathol** 1987;(29):18–80 (205 ref.)

Small cell carcinoma of the thyroid. A reclassification of cases originally diagnosed as small cell carcinomas of the thyroid. Schmid KW, et al. **Pathol Res Pract** 1986 Oct; 181(5):540–3

Relationship of classification to biologic behavior of non-Hodgkin's lymphomas. Jaffe ES. **Semin Oncol** 1986 Dec;13(4 Suppl 5):3–9 (48 ref.)

[Reproducibility of a non-Hodgkin's lymphoma classification] Apaja-Sarkkinen M, et al. **Vopr Onkol** 1987; 33(1):51–7 (Eng. Abstr.) **(Rus)**

[The Lukes–Collins classification and the Kiel classification of non-Hodgkin's lymphomas] Blanco G, et al. **Vopr Onkol** 1987;33(1):46–50 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Transformation of lymphocytoma cutis into a malignant lymphoma in association with the sign of Leser–Trélat. Halevy S, et al. **Acta Derm Venereol (Stockh)** 1987; 67(2):172–5

Acquired immunodeficiency syndrome and concomitant non-Hodgkin's lymphoma in a patient with new chromosomal abnormality. Abramson J, et al. **Acta Haematol (Basel)** 1987;77(4):234–7

Primary malignant lymphoma of the uterine cervix associated with cold-reacting autoantibody-mediated hemolytic anemia. Bär BM, et al. **Acta Haematol (Basel)** 1986; 75(4):232–5

Serum and urine monoclonal immunoglobulins in malignant non-Hodgkin's lymphoma. Pascali E, et al. **Acta Haematol (Basel)** 1986;75(4):193–8

Ketoconazole versus nystatin as prophylaxis against fungal infection for lymphoma patients receiving chemotherapy. Turhan A, et al. **Am J Clin Oncol** 1987 Aug;10(4):355–9

Jejunal malignant lymphoma in a patient with adult-onset hypo-gamma-globulinemia and nodular lymphoid hyperplasia of the small bowel. Aguilar FP, et al. **Am J Gastroenterol** 1987 May;82(5):472–5

Association of non-Hodgkin's lymphoma with rheumatoid arthritis [letter] Pearce N, et al. **Am J Med** 1986 Oct; 81(4):747–8

The effects on gas exchange of a large mediastinal tumour. Fletcher R, et al. **Anaesthesia** 1986 Nov;41(11):1135–8

Cell surface markers for diagnosis of central nervous system involvement in lymphoproliferative diseases. Ernerudh J, et al. **Ann Neurol** 1986 Nov;20(5):610–5

Cord compression as the presenting symptom of extradural malignant lymphoma. Margulies JY, et al. **Arch Orthop Trauma Surg** 1987;106(5):291–6

Non-Hodgkin's lymphoma of the head and neck in patients with AIDS. Leess FR, et al. **Arch Otolaryngol Head Neck Surg** 1987 Oct;113(10):1104–6

Coexistence of pseudolymphoma and early carcinoma in the stomach. Adachi Y, et al. **Arch Pathol Lab Med** 1986 Nov; 110(11):1080–2

Malignant lymphomas and the acquired immunodeficiency syndrome. Evaluation of 30 cases using a working formulation. Di Carlo EF, et al. **Arch Pathol Lab Med** 1986 Nov;110(11):1012–6

Biclonal gammopathy (IgG kappa and IgG lambda) in a patient with non-Hodgkin's lymphoma [letter] Garraud O, et al. **Arch Pathol Lab Med** 1987 Jan;111(1):7

The intraventricular reservoir in the treatment of neurological disease secondary to hematological malignancy: an eight year experience. Young GA, et al. **Aust NZ J Med** 1986 Jun;16(3):373–7

Occurrence of immunoblastic B-cell lymphoma in hairy cell leukemia. Arnalich F, et al. **Cancer** 1987 Mar 15; 59(6):1161–4

Ectopic production of 1,25-dihydroxyvitamin D by B-cell lymphoma as a cause of hypercalcemia. Mudde AH, et al. **Cancer** 1987 May 1;59(9):1543–6

Acute gangrene of the scrotum and penis in four hematologic patients. The usefulness of hyperbaric oxygen therapy in one case. Radaelli F, et al. **Cancer** 1987 Oct 1;60(7):1462–4

Mortality-associated factors in infected lymphoma patients. Shaikh BS, et al. **Cancer** 1987 May 1;59(9):1635–9

Clitoromegaly and abdominal tumour as leading signs of a mediastinal non-Hodgkin lymphoma. Ludwig R, et al. **Eur J Pediatr** 1987 Jan;146(1):70–1

Bronchial obstruction caused by a solitary endobronchial non-Hodgkin lymphoma. Spapen H, et al. **Eur J Respir Dis** 1987 Aug;71(2):130–1

Generalized sarcoid-type reaction associated with non-Hodgkin's lymphoma. Liberati AM, et al. **Haematologica (Pavia)** 1986 May–Jun;71(3):225–8

Passive and active anti-hepatitis B immunization of children with hematological malignancies. Bogusławska-Jaworska J, et al. **Hematol Bluttransfus** 1987;30:530–4

Intensive therapy for life-threatening medical complications of haematological malignancy. Lloyd-Thomas AR, et al. **Intensive Care Med** 1986;12(4):317–24

Aleukaemic leukostasis in a case of large cell non-Hodgkin's lymphoma: report of a case with a distinctive central nervous system involvement. Jain S, et al. **J Neurol Neurosurg Psychiatry** 1986 Sep;49(9):1079–83

Non-Hodgkin's lymphoma in AIDS: report of 11 cases and literature review. Mernick MH, et al. **Mt Sinai J Med (NY)** 1986 Dec;53(8):664–7

The serological response to Candida albicans in leukemic patients prophylactically treated with ketoconazole. Schønheyder H, et al. **Mykosen** 1987 Jan;30(1):5–9

Unilateral optic neuropathy in non-Hodgkin's lymphoma. Lanska DJ, et al. **Neurology** 1987 Sep;37(9):1563–4

T-cell lymphoblastic lymphoma of the uterus complicated by Chlamydia trachomatis pneumonia. Cunningham D, et al. **Postgrad Med J** 1986 Jan;62(723):55–7

Involvement of the central nervous system by non-Hodgkin's lymphoma in adults. A review of 36 cases. Mead GM, et al. **Q J Med** 1986 Jul;60(231):699–714

[Primary malignant lymphoma of the liver and cirrhosis: an unusual association] Devars du Mayne JF, et al. **Ann Med Interne (Paris)** 1987;138(1):34–7 (Eng. Abstr.) **(Fre)**

[Non-Hodgkin's malignant lymphoma of the rectus superior oculi muscle causing a deficit of the elevation] George JL, et al. **Bull Soc Ophtalmol Fr** 1986 May;86(5):721–2, 724 (Eng. Abstr.) **(Fre)**

[Painful ophthalmoplegia disclosing lymphoma of the small intestine] Sirbat D, et al. **Bull Soc Ophtalmol Fr** 1986 Mar; 86(3):297–300 (Eng. Abstr.) **(Fre)**

[Post-anesthesia respiratory distress caused by mediastinal lymphoblastic lymphoma. A new case (letter)] Delalande JP, et al. **Presse Med** 1987 Mar 7;16(8):400 **(Fre)**

[Clinical problems of viral hepatitis B in hematological neoplasms] Berles R, et al. **Folia Haematol (Leipz)** 1986; 113(3):343–50 (Eng. Abstr.) **(Ger)**

[Recurrent subileus: an early symptom of a non-Hodgkin lymphoma of the small intestine] Lankisch PG, et al. **Internist (Berlin)** 1986 Nov;27(11):729–31 **(Ger)**

[Six cases of non-Hodgkin's lymphoma with pyothorax or chronic pleuritis] Iuchi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jul; 24(7):798–803 (Eng. Abstr.) **(Jpn)**

[A case with non-Hodgkin lymphoma manifesting chylothorax and chylous ascites] Rakugi H, et al. **Nippon Naika Gakkai Zasshi** 1986 Aug;75(8):1109–14 **(Jpn)**

[Results of the treatment of infectious complications in patients with non-Hodgkin's malignant lymphomas] Kordecki H, et al. **Nowotwory** 1986 Apr–Jun;36(2):130–7 (Eng. Abstr.) **(Pol)**

[Features of the clinical picture, immunocorrection of hepatitis B, and immune status of children with hemoblastoses] Zinov'eva LI, et al. **Pediatriia** 1987; (2):46–52 (Eng. Abstr.) **(Rus)**

[Cerebral primary lymphoma in a patient with acquired immunodeficiency syndrome] García Monzón C, et al. **Med Clin (Barc)** 1987 Jun 27;89(5):200–2 (Eng. Abstr.) **(Spa)**

[Erythema nodosum and non-Hodgkin's lymphoma (letter)] Mesa Latorre JM, et al. **Med Clin (Barc)** 1987 May 30; 89(1):40 **(Spa)**

[Lymphomas in hemophiliac patients. Apropos of 2 cases (letter)] Quiles FJ, et al. **Med Clin (Barc)** 1987 Feb 7; 88(5):215 **(Spa)**

[Lactic acidosis in non-Hodgkin's lymphoma] Navigante AH, et al. **Medicina (B Aires)** 1985;45(6):667–9 (Eng. Abstr.) **(Spa)**

[Sjögren's syndrome and lymphoma. An association to bear in mind (letter)] Collazos González J, et al. **Rev Clin Esp** 1987 Jun;181(2):118 **(Spa)**

[Ileocecal invagination due to non-Hodgkin's lymphoma (letter)] Ares Vidal J, et al. **Rev Esp Enferm Apar Dig** 1987 Feb;71(2):176–7 **(Spa)**

[Pure red-cell aplasia: onset of a low-grade lymphoma (letter)] Laguna Cuesta F, et al. **Sangre (Barc)** 1986; 31(6):774–5 **(Spa)**

DIAGNOSIS

Pleural effusions in non-Hodgkin's lymphoma. A cytomorphologic, cytochemical and immunologic study. Das DK, et al. **Acta Cytol (Baltimore)** 1987 Mar–Apr; 31(2):119–24

Reactivity of monoclonal antibodies LAU-A1 and anti-Y 29/55 in T and B cell malignancies of children: correlation with immunological markers and clinical data. Hirt A, et al. **Acta Haematol (Basel)** 1986;76(1):9–15

Large-cell lymphoma presenting as acute cholecystitis. Tishler M, et al. **Acta Haematol (Basel)** 1987;77(1):51–2

Non-Hodgkin's lymphoma presenting initially as a sleep-apnea syndrome. Carr CM. **Ala Med** 1987 Jul; 57(1):28–9

Immunophenotypic criteria for the diagnosis of non-Hodgkin's lymphoma. Picker LJ, et al. **Am J Pathol** 1987 Jul;128(1):181–201 (4 ref.)

Potentially curable masses in the pancreas. Hart MJ, et al. **Am J Surg** 1987 Jul;154(1):134–6

Anterior uveitis as a first sign of primary orbital lymphosarcoma. Spierer A, et al. **Ann Ophthalmol** 1983 Jul;15(7):644–7

Cardiac presentation of non-Hodgkin's lymphoma. Cairns P, et al. **Arch Pathol Lab Med** 1987 Jan;111(1):80–3

Non-Hodgkin's lymphoma of the synovium simulating rheumatoid arthritis. Dorfman HD, et al. **Arthritis Rheum** 1987 Feb;30(2):155–61

Lymphomas of the mandible presenting as acute alveolar swellings. Maciatyre DR. **Br Dent J** 1986 Oct 11; 161(7):253–4

Ultrasonographic patterns of focal hepatic and splenic lesions in Hodgkin's and non-Hodgkin's lymphoma. Wernecke K, et al. **Br J Radiol** 1987 Jul;60(715):655–60

Lymphoid tumors of the orbit. A clinico-pathological study of eleven cases. Buyck A, et al. **Bull Soc Belge Ophtalmol** 1985;214:139–47

T-cell lymphoma revealed by a peripheral neuropathy. A report of two cases with an immunohistologic study on lymph node and nerve biopsies. Gherardi R, et al. **Cancer** 1986 Dec 15;58(12):2710–6

Agreement rates and American-Japanese pathologists' comparability of a modified Working Formulation for non-Hodgkin's lymphomas. An analysis of the cases collected for the Fifth International Workshop on Chromosomes in Leukemia-Lymphoma. Nanba K, et al. **Cancer** 1987 Apr 15;59(8):1463–9

Detection of pulmonary lymphoma by bronchoalveolar lavage. Davis WB, et al. **Chest** 1987 May;91(5):787–90

Diagnosis of a primary non-Hodgkin lymphoma of the central nervous system [letter] Moffie D. **Clin Neurol Neurosurg** 1986;88(3):227

Differentiation between chronic lymphocytic leukaemia (B-CLL) and non-Hodgkin lymphomas in the leukaemic phase by the mouse red blood cell rosette assay. Pecze K, et al. **Folia Haematol (Leipz)** 1986;113(4):446–50

Non Hodgkin lymphoma localized in the liver: report of a case without involvement of the other tested districts. Colli A, et al. **Haematologica (Pavia)** 1986 May–Jun;71(3):229–31

A case of Richter's syndrome due to the spontaneous proliferation of two immunologically unrelated B cell malignancies. Rossi G, et al. **Haematologica (Pavia)** 1987 Jan–Feb;72(1):67–70

Flow cytometric detection of B-clonal excess in fine needle aspirates for enhanced diagnostic accuracy in non-Hodgkin's lymphoma in adults. Johnson A, et al. **Histopathology** 1987 Jun;11(6):581–90

Renal lymphoma: an unusual example. Deuskar V, et al. **J Can Assoc Radiol** 1987 Jun;38(2):133–5

The detection of bone marrow involvement by lymphoma using magnetic resonance imaging. Shields AF, et al. **J Clin Oncol** 1987 Feb;5(2):225–30

Lymphomatous meningitis appearing as Garin-Bujadoux-Bannwarth meningopolyneuritis [letter] Mayfrank L, et al. **J Neurol Neurosurg Psychiatry** 1987 Jan;50(1):106–7

Use of the monoclonal antibody WR17, identifying the CD37 gp40-45 Kd antigen complex, in the diagnosis of B-lymphoid malignancy. Moore K, et al. **J Pathol** 1987 May;152(1):13–21

Use of the working formulation for non-Hodgkin's lymphoma in epidemiologic studies: agreement between reported diagnoses and a panel of experienced pathologists. Dick F, et al. **JNCI** 1987 Jun;78(6):1137–44

Nonconcurrence in abstracted diagnoses of non-Hodgkin's lymphoma. Dick FR, et al. **JNCI** 1987 Apr;78(4):675–8

Prognostic relevance of tumour-cell growth fraction in malignant non-Hodgkin's lymphomas [letter] Gerdes J, et al. **Lancet** 1987 Aug 22;2(8556):448–9

Non-Hodgkin's lymphoma of the head and neck: the University of Iowa experience. Conley SF, et al. **Laryngoscope** 1987 Mar;97(3 Pt 1):291–300

Primary non-Hodgkin lymphoma of the central nervous system. Krol-van Straaten MJ, et al. **Neth J Med** 1986; 29(8):247–9

B cell lymphoma presenting as carcinoma of the lung. Hart DN, et al. **NZ Med J** 1986 Nov 12;99(813):840–2

NonHodgkin's lymphomas of the upper aerodigestive tract and salivary glands. Cobleigh MA, et al. **Otolaryngol Clin North Am** 1986 Nov;19(4):685–710 (150 ref.)

Unsuspected non-Hodgkin's lymphoma of the tonsils and adenoids in children. Ridgway D, et al. **Pediatrics** 1987 Mar;79(3):399–402

Endoscopic ultrasonography in detection and staging of gastric non-Hodgkin lymphoma. Comparison with gastroscopy, barium meal, and computerized tomography scan. Tio TL, et al. **Scand J Gastroenterol [Suppl]** 1986; 123:52–8

Case report 409: Non-Hodgkin lymphoma (diffuse histiocytic or malignant lymphoma, diffuse, large cell B-cell immunophenotype). Samuels TS, et al. **Skeletal Radiol** 1987;16(1):78–81

Burkitt-like lymphoid malignancy presenting as a breast tumor. De Pasquale A, et al. **Tumori** 1987 Apr 30; 73(2):167–73

[Breast metastases as the initial symptom of extramammary carcinomas] Seidelin CM, et al. **Ugeskr Laeger** 1987 May 18;149(21):1397–8 (Eng. Abstr.) **(Dan)**

[Difficulties in the diagnosis and therapy of patients with tumors of the lymphatic system] de Gast GC, et al. **Ned Tijdschr Geneeskd** 1986 Sep 20;130(38):1681–4 **(Dut)**

[Non-Hodgkin lymphomas of the larynx. Apropos of a case] Remacle M, et al. **Acta Otorhinolaryngol Belg** 1987; 41(1):49–65 (Eng. Abstr.) **(Fre)**

[Chorioretinal localization of malignant lymphomatosis. Apropos of 2 cases] Castier P, et al. **Bull Soc Ophtalmol Fr** 1986 Feb;86(2):225–7 (Eng. Abstr.) **(Fre)**

[Value of ultrasonics in diagnosing the onset of lymphomatous liver lesions] Bruneton JN, et al. **Nouv Rev Fr Hematol** 1986;28(6):365–9 (Eng. Abstr.) **(Fre)**

[Non-Hodgkin's malignant lymphoma with primary localization in the breast. Apropos of 2 cases: review of the literature] Kenil MC, et al. **Rev Fr Gynecol Obstet** 1987 Feb;82(2):119–25 (25 ref.) (Eng. Abstr.) **(Fre)**

[Bone lymphomas] Daragon A, et al. **Rev Rhum Mal Osteoartic** 1987 May;54(5):375–80 (Eng. Abstr.) **(Fre)**

[Diagnosis of gastrointestinal non-Hodgkin's lymphomas] Peters U, et al. **Dtsch Med Wochenschr** 1987 Mar 27; 112(13):510–3 (24 ref.) **(Ger)**

[Autoimmune hemolytic anemia as an initial manifestation of non-Hodgkin's lymphoma] Lengfelder E, et al. **Internist (Berlin)** 1987 Mar;28(3):190–2 **(Ger)**

[Local recurrence of mediastinal non-Hodgkin lymphomas in childhood] Ludwig R, et al. **Klin Padiatr** 1987 Jan–Feb; 199(1):15–8 (Eng. Abstr.) **(Ger)**

[Clinical aspects and therapy of malignant lymphomas in AIDS—symptomatology of AIDS encephalopathy] Huhn D. **Verh Dtsch Ges Inn Med** 1986;92:330–6 **(Ger)**

[Clinical aspects and prognosis of highly malignant non-Hodgkin's lymphomas] Rohrberg R, et al. **Z Gesamte Inn Med** 1986 Oct 1;41(19):528–33 (Eng. Abstr.) **(Ger)**

[Ultrastructural studies of metastases of anaplastic tumors and non-Hodgkin's lymphoma as a contribution to differential diagnosis] Krahnert U, et al. **Zentralbl Allg Pathol** 1986; 131(6):523–7 (Eng. Abstr.) **(Ger)**

[Non-Hodgkin lymphoma (NHL) as a primary finding in the central nervous system] Willenberg E, et al. **Zentralbl Neurochir** 1986;47(2):125–30 (Eng. Abstr.) **(Ger)**

[Echographically guided, percutaneous, fine-needle puncture in the diagnosis of renal masses suspected of malignancy] Civardi G, et al. **Recenti Prog Med** 1986 Sep;77(9):420–2 (Eng. Abstr.) **(Ita)**

[A case of non-Hodgkin's lymphoma manifesting an eyelid tumor as a major symptom] Koike S, et al. **Gan No Rinsho** 1987 Mar;33(3):283–6 (Eng. Abstr.) **(Jpn)**

[A case of primary non-Hodgkin lymphoma of the left adrenal gland] Gondoh M, et al. **Rinsho Hoshasen** 1987 Jan;32(1):155–8 (Eng. Abstr.) **(Jpn)**

[Lymphosarcoma of the frontal sinus] Chmielarski A, et al. **Otolaryngol Pol** 1986;40(4):289–92 (Eng. Abstr.) **(Pol)**

[Value of ultrasonic examination of the abdominal cavity in treatment monitoring in malignant lymphoma] Wojnar J, et al. **Pol Arch Med Wewn** 1986 Dec;76(5–6):265–9 (Eng. Abstr.) **(Pol)**

[Lymphosarcoma of the stomach] Kleba T. **Wiad Lek** 1986 Jul 1;39(13):905–9 (Eng. Abstr.) **(Pol)**

[Problems of positive and differential diagnosis of gastric cancer in the stage of gastric mucosal manifestations] Jocu I, et al. **Rev Med Interna [Med Interna]** 1987 Mar–Apr; 39(2):163–9 **(Rum)**

[Clinical aspects of Lennert's lymphoma] Korchmaru IF, et al. **Gematol Transfuziol** 1987 Jun;32(6):6–9 (Eng. Abstr.) **(Rus)**

[Clinico-immunocytological criteria for the differential diagnosis of acute lymphoblastic leukemia and lymphosarcoma in children] Makhonova LA, et al. **Gematol Transfuziol** 1987 Feb;32(2):14–20 (Eng. Abstr.) **(Rus)**

[Criteria of the differential diagnosis of lymphosarcoma of the spleen with lesions of the bone marrow] Zedginidze ISh, et al. **Gematol Transfuziol** 1986 Sep;31(9):26–9 (Eng. Abstr.) **(Rus)**

[Clinical forms of lymphosarcoma in children] Ermakov ES. **Pediatriia** 1986 Aug;(8):32–4 (Eng. Abstr.) **(Rus)**

[Non-Hodgkin's lymphoma with renal insufficiency] Evdokimov VG, et al. **Sov Med** 1986;(7):117–9 **(Rus)**

[Substantiation of the tactics of dynamic observation of patients with lymphosarcoma] Poddubnaia IV. **Ter Arkh** 1987;59(6):41–3 (Eng. Abstr.) **(Rus)**

[Diagnosis of reactive lymphadenopathies and the stage of lymphosarcoma leukemization using the simplest methods of immunologic phenotyping] Samollova RS, et al. **Ter Arkh** 1986;58(9):72–7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Pulmonary complications of cytosine-arabinoside therapy: radiographic findings. Tham RT, et al. **AJR** 1987 Jul; 149(1):23–7

Failure of combination chemotherapy of advanced follicular (low-grade) non-Hodgkin's lymphoma. Haioun C, et al. **Am J Clin Oncol** 1987 Jun;10(3):196–8

Weekly mitoxantrone therapy of Hodgkin's disease, non-Hodgkin's lymphoma, and chronic lymphocytic leukemia. A Southeastern Cancer Study Group Trial. Keller JW, et al. **Am J Clin Oncol** 1987 Jun;10(3):194–5

Relapse with nodular lymphoma following combination chemotherapy for diffuse non-Hodgkin's lymphoma. Siegel RD, et al. **Am J Clin Oncol** 1986 Oct;9(5):420–3

Methotrexate cerebrospinal fluid pharmacokinetics in a patient with lymphoma treated with methotrexate, bleomycin, doxorubicin, cyclophosphamide, vincristine, and dexamethasone. Stephens RL, et al. **Am J Med** 1986 Oct;81(4):718–20

Danazol and non-Hodgkin's malignant lymphomas [letter] Danel L, et al. **Ann Intern Med** 1987 Feb;106(2):329–30

Haemorrhage and perforation of gastrointestinal neoplasms during chemotherapy. Randall J, et al. **Ann R Coll Surg Engl** 1986 Sep;68(5):286–9

The effect of isotretinoin in six patients with cutaneous T-cell lymphoma. Neely SM, et al. **Arch Intern Med** 1987 Mar; 147(3):529–31

DNA flow cytometric study of 5-fluorouracil used to treat end stage non-Hodgkin's lymphoma. Hedley DW. **Br J Cancer** 1987 Jan;55(1):107–8

Second malignancies in children treated for non-Hodgkin's lymphoma and T-cell leukaemia with the UKCCSG regimens. Ingram L, et al. **Br J Cancer** 1987 Apr; 55(4):463–6

Short-term high-dose treatment in bad-risk ALL and lymphoblastic NHL [letter] Willemze R, et al.

Br J Haematol 1987 Apr;65(4):501–2

Current approaches to the treatment of advanced-stage non-Hodgkin's lymphoma. Rusthoven JJ. **Can Med Assoc J** 1987 Jan 1;136(1):29–36 (38 ref.)

The effect of intensive intermittent maintenance therapy in advanced low-grade non-Hodgkin's lymphoma. Ezdinli EZ, et al. **Cancer** 1987 Jul 15;60(2):156–60

Cyclophosphamide, vincristine, adriamycin, and prednisone (CHOP) with and without intermediate dose methotrexate for the treatment of non-Hodgkin's lymphomas of diffuse histology. Gomez GA, et al. **Cancer** 1987 Jul 1;60(1):18–24

A randomized trial of two types of adjuvant chemotherapy in radiotherapy-treated patients with clinical stages I and II high-grade non-Hodgkin's lymphoma. Wagstaff J, et al. **Cancer Chemother Pharmacol** 1987;20(1):53–8

Phase II trial of 9-beta-D-arabinofuranosyl-2-fluoroadenine 5'-monophosphate in non-Hodgkin's lymphoma: prospective comparison of response with deoxycytidine kinase activity. Leiby JM, et al. **Cancer Res** 1987 May 15; 47(10):2719–22

Chemotherapy-induced hypothermia in non-Hodgkin's lymphoma [letter] Manoharan A, et al. **Cancer Treat Rep** 1986 Nov;70(11):1347

Cytarabine, cisplatin, and etoposide chemotherapy for refractory non-Hodgkin's lymphoma. O'Donnell MR, et al. **Cancer Treat Rep** 1987 Feb;71(2):187–9

Salvage chemotherapy for non-Hodgkin's lymphoma with a combination of mitoxantrone, etoposide, cisplatin, and prednisolone. Ohnoshi T, et al. **Cancer Treat Rep** 1987 Jun; 71(6):639–41

Phase II trial of m-AMSA therapy in refractory Hodgkin's disease and non-Hodgkin's lymphoma: Cancer and Leukemia Group B Study 7972. Rybak ME, et al. **Cancer Treat Rep** 1986 Oct;70(10):1233–4

Treatment of refractory non-Hodgkin's lymphomas of unfavorable histology with teniposide, cytarabine, and cisplatin. Tseng A Jr, et al. **Cancer Treat Rep** 1987 Jun; 71(6):659–60

Etoposide and mitoguazone in refractory or recurrent non-Hodgkin's lymphomas of the unfavorable histologic subtypes. Winter JN, et al. **Cancer Treat Rep** 1986 Oct; 70(10):1243–4

Preliminary results of consolidation therapy with high-dose cytosine arabinoside for patients with bad-risk or relapsed acute leukemia or lymphoblastic non-Hodgkin's lymphoma. Peters WG, et al. **Eur J Cancer Clin Oncol** 1987 Apr;23(4):401–5

Interferons for malignant blood diseases? Hokland M, et al. **Eur J Haematol** 1987 Mar;38(3):209–12

Terminal stage lymphoproliferative disorders treated with low dose cytosine arabinoside. Stentoft J, et al. **Eur J Haematol** 1987 Mar;38(3):284–7

Initial chemotherapy with an age-adjusted CHOP-schedule in non-Hodgkin lymphomas with unfavorable prognosis. A study of the I.G.C.I. Heinz R, et al. **Haematologica (Pavia)** 1986 Nov-Dec;71(6):473–9

Management of non-Hodgkin's lymphomas in the elderly [letter] Tirelli U, et al. **Haematologica (Pavia)** 1987 Mar-Apr;72(2):187–8

4'-Deoxydoxorubicin (esorubicin) in non-Hodgkin's lymphomas and plasma cell tumors: first evidence of activity. Zagonel V, et al. **Haematologica (Pavia)** 1987 Jan-Feb;72(1):97–9

Progress in treatment of children with non-Hodgkin lymphoma: a report of the Polish Leukemia and Lymphoma Study Group. Bogusławska-Jaworska J, et al. **Hamatol Bluttransfus** 1987;30:437–43

Avascular necrosis following combination chemotherapy. Gopal R, et al. **Indian J Cancer** 1985 Sep;22(3):221–7

Oral idarubicin in non-Hodgkin's lymphomas. Lopez M, et al. **Invest New Drugs** 1986;4(3):263–7

Treatment of lymphoblastic lymphoma in adults. Coleman CN, et al. **J Clin Oncol** 1986 Nov;4(11):1628–37

Minimizing toxicity of MACOP-B [letter] Connors JM, et al. **J Clin Oncol** 1987 Aug;5(8):1302–3

Prospectively randomized clinical trial of three intensive chemotherapy regimens for the treatment of advanced unfavorable histology non-Hodgkin's lymphoma. O'Connell MJ, et al. **J Clin Oncol** 1987 Sep;5(9):1329–39

Sequential hydroxyurea-cytarabine chemotherapy for refractory non-Hodgkin's lymphoma. Schilsky RL, et al. **J Clin Oncol** 1987 Mar;5(3):419–25

Short-term intensive therapy for childhood non-Hodgkin lymphoma [editorial] **Lancet** 1987 Jun 20;1(8547):1410–2

Short-term intensive therapy for childhood non-Hodgkin lymphoma [letter] Pinkerton R. **Lancet** 1987 Aug 15; 2(8555):395

Treatment strategies in relation to drug action. Muggia FM, et al. **NCI Monogr** 1987;(4):129–33

The use of protein as a carrier of methotrexate for experimental cancer chemotherapy. II. Chemotherapy of Gardner lymphosarcoma with pea seed lectin-methotrexate derivative. Bureš L, et al. **Neoplasma** 1986;33(4):409–16

Side effects of intermediate- and high-dose cytosine arabinoside in the treatment of refractory or relapse acute leukaemia and non-Hodgkin's lymphoma. Peters WG, et al. **Neth J Med** 1987 Feb;30(1-2):64–74

Ifosfamide combinations in salvage treatment of non-Hodgkin lymphoma [letter] Norberg B. **Scand J Haematol** 1986 Sep;37(3):268

Advances in cancer chemotherapy: lymphomas and breast cancer. December 5, 1896, San Francisco. **Semin Hematol** 1987 Apr;24(2 Suppl 1):1–69

The m-BACOD combination chemotherapy regimen in the treatment of diffuse large cell lymphoma. Canellos GP, et al. **Semin Hematol** 1987 Apr;24(2 Suppl 1):2–7

Advances in chemotherapy for large cell lymphoma. Coleman M, et al. **Semin Hematol** 1987 Apr;24(2 Suppl 1):8–20

Southwest oncology group clinical trials for intermediate- and high-grade non-Hodgkin's lymphomas. Fisher RI, et al. **Semin Hematol** 1987 Apr;24(2 Suppl 1):21–5

Updated clinical experience with MACOP-B. Klimo P, et al. **Semin Hematol** 1987 Apr;24(2 Suppl 1):26–34

Combination chemotherapy for the treatment of diffuse aggressive lymphomas: F-MACHOP update. Guglielmi C, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):104–9

Intermediate and high-dose cytosine arabinoside-containing regimens for induction and consolidation therapy for patients with acute lymphoblastic leukemia and lymphoblastic non-Hodgkin's lymphoma: the Leyden experience and review of the literature. Peters WG, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):86–91

High-dose methylprednisolone, vincristine, MTX, and ara-C (SOMA) as initial bulk reducing therapy in non-Hodgkin's lymphoma of unfavorable histology: preliminary results of an ongoing phase II study. van Imhoff GW, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):98–103

Epirubicin in combination chemotherapy in the treatment of advanced stage non-Hodgkin's lymphomas. Abate G, et al. **Tumori** 1987 Feb 28;73(1):43–7

Intensive chemotherapy regimen in high-grade non Hodgkin's lymphomas. Zinzani PL, et al. **Tumori** 1987 Apr 30;73(2):121–6

[Neuromeningeal localizations in acute leukemia and non-Hodgkin's lymphoma. Protocol combining BCNU-cytosine arabinoside [letter]] Donadio D, et al. **Ann Med Interne (Paris)** 1987;138(2):143 **(Fre)**

[Thrombosis of the superior longitudinal sinus in the treatment of lymphoma in children. 4 case reports] Legrand I, et al. **J Radiol** 1986 Aug-Sep;67(8-9):595–600 (Eng. Abstr.) **(Fre)**

[Low-grade non-Hodgkin's lymphoma in the adult: new therapeutic approaches] Gisselbrecht C, et al. **Nouv Rev Fr Hematol** 1987;29(1):77–81 (Eng. Abstr.) **(Fre)**

[Therapeutic trials of aclarubicin in previously treated acute leukemias and hematosarcomas] Machover D, et al. **Pathol Biol (Paris)** 1987 Jan;35(1):79–86 (Eng. Abstr.) **(Fre)**

[Pregnancy after in vitro fertilization with sperm frozen before chemotherapy (letter)] Nachury LP, et al. **Presse Med** 1987 Jul 4;16(26):1285–6 **(Fre)**

[Treatment of non-Hodgkin's lymphoma] Andrien F, et al. **Rev Med Liege** 1987 May 15;42(10):516–22 **(Fre)**

[Therapy of malignant systemic diseases: hemoblastoses and malignant lymphomas] Schmidt CG. **Arzneimittelforschung** 1987 Feb;37(2A):279–87 (15 ref.) (Eng. Abstr.) **(Ger)**

[Risk-adapted treatment of immunocytomas] Klapp R, et al. **Dtsch Med Wochenschr** 1987 Jul 10;112(28-29):1116–20 (Eng. Abstr.) **(Ger)**

[Bilateral lymphoblastic lymphoma of the breast] Streng H, et al. **Dtsch Med Wochenschr** 1986 Oct 24;111(43):1647–50 (Eng. Abstr.) **(Ger)**

[Chemotherapy of non-Hodgkin's lymphoma (NHL)] Pfreundschuh M, et al. **Internist (Berlin)** 1986 Aug; 27(8):506–24 (91 ref.) **(Ger)**

[Successful chemotherapy in a primary cerebral centroblastic non-Hodgkin's lymphoma in childhood] Baumgarten E, et al. **Onkologie** 1986 Dec;9(6):290–4 (Eng. Abstr.) **(Ger)**

[Multicenter study of the treatment of highly malignant non-Hodgkin's lymphomas with polychemotherapy (CHOPV) and irradiation] Köppler H, et al. **Onkologie** 1987 Feb;10(1):34–40 (Eng. Abstr.) **(Ger)**

[Pharmacokinetics of 57Co-bleomycetin A5 in mice with LYO-1 lymphosarcoma during treatment with rubomycin] Petriev VM, et al. **Radiobiol Radiother (Berl)** 1986; 27(3):353–7 (Eng. Abstr.) **(Ger)**

[Effect of cytostatic therapy in hemoblastoses on phagocytosis of neutrophilic granulocytes] Gottschalk U, et al. **Z Arztl Fortbild (Jena)** 1986;80(23):981–3 **(Ger)**

[Therapeutic results in 22 cases of childhood non-Hodgkin's lymphoma treated by ACOP combination chemotherapy] Imashuku S, et al. **Gan To Kagaku Ryoho** 1987 Apr; 14(4):1086–93 (Eng. Abstr.) **(Jpn)**

[Mitoxantrone-containing combination chemotherapy in patients with non-Hodgkin's lymphoma] Kimura I, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):3034–9 (Eng. Abstr.) **(Jpn)**

[Clinical effects of TA-077 in non-Hodgkin's lymphomas] Kobayashi T, et al. **Gan To Kagaku Ryoho** 1986 Oct; 13(11):3194–7 (Eng. Abstr.) **(Jpn)**

[Clinical study of non-Hodgkin's lymphoma--results of the Kanazawa University-Kurume University Cooperative Study on Malignant Lymphomas] Nakamura S, et al. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3440–6 (Eng. Abstr.) **(Jpn)**

[Trials on expanding the clinical application of cisplatin] Ogawa M. **Gan To Kagaku Ryoho** 1987 Apr;14(4):1004–10 (Eng. Abstr.) **(Jpn)**

[A phase I study of carboplatin] Ogawa M, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1292–6 (Eng. Abstr.) **(Jpn)**

[Salvage chemotherapy of non-Hodgkin's lymphoma with a four-drug combination of mitoxantrone, etoposide, cisplatin and prednisolone (MEPP)] Ohnoshi T, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 1):626–9 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy of diffuse large-cell non-Hodgkin's lymphoma--superiority of the adriamycin combination] Tada A, et al. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2692–6 (Eng. Abstr.) **(Jpn)**

[Clinical and pharmacokinetic studies of high dose N4-behenoyl-1-beta-D-arabinofuranosylcytosine] Yoshida T, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1820–4 (Eng. Abstr.) **(Jpn)**

[Treatment of non-Hodgkin's lymphoma with CHOP therapy: analysis of lymphocyte subsets and interleukin 2 activity during CHOP therapy] Suzuki Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Jul 20;21(6):1225–31 (Eng. Abstr.) **(Jpn)**

[Combined CHOP and radiotherapy in non-Hodgkin's lymphoma of unfavorable histology] Tominaga S, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Oct 20;21(9):2249–56 (Eng. Abstr.) **(Jpn)**

[Chemotherapy for advanced diffuse non-Hodgkin's lymphoma with non-cross-resistant alternating AVCP/EMLP regimens] Yamazaki H, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Nov;49(7):1404–11 (Eng. Abstr.) **(Jpn)**

[High-dose cytosine arabinoside therapy in children with non-Hodgkin's lymphoma--effective intensification and CNS prophylaxis] Yumura K, et al. **Rinsho Ketsueki** 1987 Mar;28(3):371–6 (Eng. Abstr.) **(Jpn)**

[Mediated action of phytogenic antineoplastic agents on rats with Pliss lymphosarcoma] Rakhimov KD, et al. **Eksp Onkol** 1986;8(4):68–70 (Eng. Abstr.) **(Rus)**

[Effectiveness of platidiam in the chemotherapy of lymphogranulomatosis and lymphosarcoma] Korol'chuk LV, et al. **Ter Arkh** 1987;59(6):37–40 **(Rus)**

[Therapy against relapse in generalized lymphoblastic and immunoblastic lymphosarcomas in complete remission] Mustiatsé LZ, et al. **Ter Arkh** 1986;58(6):110–2 (Eng. Abstr.) **(Rus)**

[Non-Hodgkin's lymphomas located in the abdomen in children] Kolygin BA, et al. **Vopr Onkol** 1987;33(6):67–70 (Eng. Abstr.) **(Rus)**

[Non-Hodgkins lymphoma in childhood, preliminary results of the LSA2 L2 protocol modified by high-dose methotrexate] Prats Viñas J, et al. **An Esp Pediatr** 1987 Jan;26(1):15–21 (Eng. Abstr.) **(Spa)**

[Post-chemotherapy hypothermia in non-Hodgkin's lymphoma (letter)] Guedea F, et al. **Med Clin (Barc)** 1987 Feb 14;88(6):257 **(Spa)**

[Salvage treatment of non-Hodgkin's lymphomas] Zori Comba A, et al. **Sangre (Barc)** 1987;32(2):211–24 (79 ref.) **(Spa)**

ENZYMOLOGY

Extensive deposition of eosinophil peroxidase in Hodgkin's and non-Hodgkin's lymphomas. Samoszuk MK, et al. **Am J Pathol** 1986 Dec;125(3):426–9

Lymphocyte urosynthase in non-Hodgkin's lymphoma. An indicator of disease extensiveness. Inbal A, et al. **Cancer** 1987 Jan 1;59(1):89–93

Alterations in microsomal drug metabolism and heme oxygenase activity in isolated hepatic parenchymal and sinusoidal cells in Murphy-Sturm lymphosarcoma-bearing rats. Schacter BA, et al. **Clin Invest Med** 1986;9(3):150–5

ETIOLOGY

Cancer in a group at risk of acquired immunodeficiency syndrome (AIDS) through 1984. Biggar RJ, et al. **Am J Epidemiol** 1987 Oct;126(4):578–86

Non-Hodgkin's lymphoma, HTLV-III/LAV, and HTLV-III/LAV antibody in the wife of a man with transfusion-acquired AIDS. Duncan ED, et al. **Am J Med** 1986 Nov;81(5):898–900

Post-transplantation T cell lymphoblastic lymphoma. Lippman SM, et al. **Am J Med** 1987 Apr;82(4):814–6

Primary intracranial immunoblastic lymphoma in infancy. Berry DH, et al. **Am J Pediatr Hematol Oncol** 1985 Summer;7(2):141–7

Initial manifestation of acquired immunodeficiency syndrome in the head and neck region. Helsper J, et al. **Am J Surg** 1986 Oct;152(4):403–6

Non-Hodgkin lymphoma in Jamaica and its relation to adult T-cell leukemia-lymphoma [published erratum appears in Ann Intern Med 1987 Jun;106(6):917] Gibbs WN, et al. **Ann Intern Med** 1987 Mar;106(3):361–8

The inter-regional epidemiological study of childhood cancer (IRESCC): a case control study of aetiological factors in leukaemia and lymphoma [published erratum appears in Arch Dis Child 1987 Jun;62(6):644] McKinney PA, et al. **Arch Dis Child** 1987 Mar;62(3):279–87

Primary non-Hodgkin's lymphoma of the heart in two patients with the acquired immunodeficiency syndrome. Guarner J, et al. **Arch Pathol Lab Med** 1987 Mar; 111(3):254–6

Chromosome abnormalities in AIDS-associated lymphadenopathy. Alonso ML, et al. **Blood** 1987 Mar; 69(3):855–8

Primary anorectal lymphoma. A new manifestation of the

acquired immune deficiency syndrome (AIDS). Ioachim HL, et al. **Cancer** 1987 Oct 1;60(7):1449–53

Philadelphia (Ph), 14q+ and 1q+ chromosomes in immunoblastic phase (Richter's syndrome) in a patient with T chronic lymphocytic leukaemia. Palka G, et al. **Haematologica (Pavia)** 1986 May–Jun;71(3):221–4

Non-Hodgkin's lymphoma and farming: an expanded case–control study. Pearce NE, et al. **Int J Cancer** 1987 Feb 15;39(2):155–61

Aids. Case for diagnosis. Macher AM, et al. **Milit Med** 1986 Nov;151(11):M73–80

Acquired disorders affecting the immune system and non-Hodgkin's lymphoma. Tielsch JM, et al. **Prev Med** 1987 Jan;16(1):96–106

Non-Hodgkin's lymphomas and other malignancies in the acquired immune deficiency syndrome. Levine AM. **Semin Oncol** 1987 Jun;14(2 Suppl 3):34–9 (41 ref.)

[T-cell non-Hodgkin's lymphoma following Sweet's syndrome] Szabó P, et al. **Orv Hetil** 1987 May 10; 128(19):993–6 (Eng. Abstr.) **(Hun)**

[Hypothesis of occupational etiology of Hodgkin's and non-Hodgkin's lymphoma: a case–control study] Binaschi S, et al. **G Ital Med Lav** 1985 Sep–Nov;7(5–6):181–6 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

T cell gamma chain gene rearrangement without T cell receptor beta chain gene rearrangement in two cases of non-Hodgkin's lymphoma. Matsuoka M, et al. **Acta Haematol (Basel)** 1987;77(3):172–6

DNA damage in clinical radiation therapy studied by microelectrophoresis in single tumour cells. A preliminary report. Ostling O, et al. **Acta Oncol** 1987 Jan–Feb; 26(1):45–8

Relationship between cytogenetic findings and histopathology in non-Hodgkin lymphoma. Kristoffersson U, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1987 Jan;95(1):1–5

Immunoglobulin gene rearrangements in adult non-Hodgkin's lymphoma. Aisenberg AC, et al. **Am J Med** 1987 Apr;82(4):738–44

Karyotype abnormalities in non-Hodgkin lymphomas. Gaunt KL, et al. **Ann Genet (Paris)** 1986;29(2):82–7

T cell gamma gene rearrangements in hematologic neoplasms. Asou N, et al. **Blood** 1987 Mar;69(3):968–70

Cytogenetic and histologic correlations in malignant lymphoma. Koduru PR, et al. **Blood** 1987 Jan;69(1):97–102

Intermediate- to high-grade histology of lymphomas carrying t(14;18) is associated with additional nonrandom chromosome changes. Richardson ME, et al. **Blood** 1987 Aug;70(2):444–7

Clinical and laboratory observations in a lymphoma-prone family. Clark JW, et al. **Cancer** 1987 Aug 15;60(4):864–9

Missing Y chromosomes in lymph nodes from patients with non-Hodgkin's lymphoma. Bateman BJ, et al. **Cancer Genet Cytogenet** 1987 Apr;25(2):219–25

The molecular genetics of human non-Hodgkin's lymphoma. Chenevix-Trench G. **Cancer Genet Cytogenet** 1987 Aug; 27(2):191–213 (151 ref.)

A variant Burkitt-type translocation (2p-;8q+) in a patient with diffuse large cell lymphoma. Kato A, et al. **Cancer Genet Cytogenet** 1987 Feb;24(2):225–9

Prognostic implication of cytogenetic findings in 106 patients with non-Hodgkin lymphoma. Kristoffersson U, et al. **Cancer Genet Cytogenet** 1987 Mar;25(1):55–64

Chromosomal abnormalities in indolent lymphoma. Speaks SL, et al. **Cancer Genet Cytogenet** 1987 Aug;27(2):335–44

DNA rearrangements in non-Hodgkin's lymphomas. Cleary ML, et al. **Cancer Surv** 1985;4(2):331–48

Patterns of chromosome breakage in nonHodgkin lymphoma: significance to gene alteration in tumorigenesis. Chaganti RS, et al. **Cytogenet Cell Genet** 1987;45(2):93–8

Changes in chromosome patterns of murine lymphosarcoma LS/BL cells during long-term continuous irradiation in vivo. Jurášková V, et al. **Folia Biol (Praha)** 1987;33(1):61–74

Chromosome studies in human hematologic diseases: non-Hodgkin's lymphomas. Slavutsky I, et al. **Haematologica (Pavia)** 1987 Jan–Feb;72(1):29–37

Diagnostic molecular biology of non-Hodgkin's lymphomas. Sklar JL, et al. **Monogr Pathol** 1987;(29):204–24 (99 ref.)

Consistent chromosome abnormalities in LS/BL murine lymphosarcoma cells. Jurášková V. **Neoplasma** 1987; 34(2):151–8

Relationship between the c-myb locus and the 6q-chromosomal aberration in leukemias and lymphomas. Barletta C, et al. **Science** 1987 Feb 27;235(4792):1064–7

Glucocorticoid-dependent maturation of viral proteins in mouse lymphoma cells: isolation of defective and hormone-independent cell variants. Rabindran SK, et al. **Somatic Cell Mol Genet** 1987 Mar;13(2):131–43

Altered structure and expression of c-myc in feline T-cell tumours. Forrest D, et al. **Virology** 1987 May; 158(1):194–205

IMMUNOLOGY

Immunogold cell staining using monoclonal antibodies: application to lymphoid cells on coated slides. Küster U, et al. **Acta Histochem (Jena)** 1987;81(2):191–8

A double-blind comparative immunotypic study between two institutions phenotyping non-Hodgkin's lymphomas. Grogan TM, et al. **Am J Clin Pathol** 1987 Apr;87(4):478–84

Angioimmunoblastic lymphadenopathy, immunoblastic lymphoma, and false-positive seroconversion for human immunodeficiency virus [letter] Nunley D, et al. **Ann Intern Med** 1987 Jul;107(1):114

Phenotypic modulation of chronic lymphocytic, prolymphocytic, and lymphoplasmacytic leukemia cells by TPA: induction of TRAP isoenzyme 5 and HD6 (CD22) antigen and enhancement of IgM messenger RNA. Thiel E, et al. **Blood Cells** 1987;12(2):365–83

Natural killer like cells in non-Hodgkin lymphomas [letter] De Paoli P, et al. **Br J Haematol** 1986 Dec;64(4):850–1

Extranodal lymphoma in a haemophiliac negative for antibody to HIV. Madhok R, et al. **Br Med J [Clin Res]** 1987 Mar 14;294(6573):679–80

Immunologic and immunohistologic analysis of 27 cases with thyroid lymphomas. Aozasa K, et al. **Cancer** 1987 Sep 1; 60(5):969–73

Antigenically defined subgroups of lymphoblastic lymphoma. Relationship to clinical presentation and biologic behavior. Sheibani K, et al. **Cancer** 1987 Jul 15;60(2):183–90

Immune reactivity in SL2 lymphoma-bearing mice compared with SL2-immunized mice. De Weger RA, et al. **Cancer Immunol Immunother** 1987;24(1):25–36

Isolation and dissociation of immune complexes from pleural effusions of lymphoma patients. Patel GV, et al. **Cancer Immunol Immunother** 1986;23(1):51–5

Higher ADCC of murine peritoneal cells after immunization with allogenic tumor cells as compared with stimulation by adriamycin, BCG, and thioglycolate. Haisma HJ, et al. **Cell Immunol** 1986 Sep;101(2):454–62

Expression of Tac antigen in B cell lymphomas. Laurent G, et al. **Clin Exp Immunol** 1986 Aug;65(2):354–62

Characterization of metastasis-associated antigens on RAW117 lymphosarcoma cell lines. Joshi SS, et al. **Clin Exp Metastasis** 1987 Jan–Mar;5(1):89–104

Analysis of Epstein-Barr virus-specific and non-specific immune functions in a patient during the development of a non-Hodgkin's lymphoma. Masucci G, et al. **Eur J Cancer Clin Oncol** 1987 Apr;23(4):379–86

Total and 'active' E-rosette forming T lymphocytes in case of lymphoma: a preliminary communication. Kumar R, et al. **Indian J Cancer** 1986 Sep;23(3):185–91

Preliminary observations on immunologic phenotypes of non-Hodgkin's lymphoma in Indian subjects. Bhargava M, et al. **Indian J Med Res** 1987 Mar;85:289–91

The activation-associated antigen 4F2 predicts patient survival in low-grade B-cell lymphomas. Holte H, et al. **Int J Cancer** 1987 May 15;39(5):590–4

Cell surface expression of beta 2-microglobulin (beta 2m) correlates with stages of differentiation in B cell tumours. Jones RA, et al. **J Clin Pathol** 1987 May;40(5):486–9

Major histocompatibility complex class II antigen expression in B and T cell non-Hodgkin's lymphoma. Smith ME, et al. **J Clin Pathol** 1987 Jan;40(1):34–41

Three distinct H-2Ks molecules differing at the carboxy terminus are expressed on a tumor from SJL/J mice. Rogers MJ, et al. **J Immunol** 1986 Nov 1;137(9):3006–12

Expression of leukocyte common antigen in lymphoblastic lymphoma and small noncleaved undifferentiated non-Burkitt's lymphoma: an immunohistochemical study. Van Eyken P, et al. **J Pathol** 1987 Apr;151(4):257–61

Mouse monoclonal antibodies direct phagocytosis of tumor cells by human monocytes. Calafat J, et al. **Leuk Res** 1986; 10(11):1347–51

Immunological aspects of non-Hodgkin's lymphomas. Bosco J. **Malays J Pathol** 1980 Aug;3:5–8

IgG subclasses in lymphomas. Smeland EB, et al. **Monogr Allergy** 1986;19:164–8

Immunohistological subtypes of non-Hodgkin's lymphoma in Hong Kong Chinese. Ho FC, et al. **Pathology** 1986 Oct; 18(4):426–30

Immunophenotypic analysis of non-Hodgkin's lymphomas in Chinese. A study of 75 cases in Hong Kong. Ng CS, et al. **Pathology** 1986 Oct;18(4):419–25

Epstein-Barr virus-transformed B-cell line (DV-1) derived from bone marrow of a patient with severe combined immunodeficiency and immunoblastic lymphoma. Rosenblatt HM, et al. **Pediatr Res** 1987 Apr;21(4):331–7

Lymphoma in Sjögren's syndrome: urinary monoclonal free light chains as a diagnostic aid and a means of tumour monitoring. Walters MT, et al. **Scand J Rheumatol [Suppl]** 1986;61:114–7

Immunoelectron microscopic localization of immunoglobulin in B-cell lymphomas. Mimura R, et al. **Virchows Arch [B]** 1986;52(3):207–20

[Distribution of T-lymphocyte subpopulations in non-Hodgkin's lymphomas] La Rosa L, et al. **Minerva Med** 1987 Apr 15;78(7):469–72 (Eng. Abstr.) **(Ita)**

[Lymphocyte cytotoxicity against autologous tumor cells and the effect of interferon-beta on their activities. (1) Evaluation by modification of target tumor cells] Ezaki K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1240–5 (Eng. Abstr.) **(Jpn)**

[Lymphocyte cytotoxicity against autologous tumor cells and the effect of interferon-beta on their activities. (2) Evaluation of large granular lymphocytes (LGL)] Ezaki K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1246–51 (Eng. Abstr.) **(Jpn)**

[Non-Hodgkin's lymphoma: correlation of cell surface marker phenotype with clinical features and prognosis] Okabe K, et al. **Gan To Kagaku Ryoho** 1986 Oct; 13(10):2960–4 (Eng. Abstr.) **(Jpn)**

[Monoclonal antibody studies in non-Hodgkin's lymphomas] Chubachi A, et al. **Rinsho Byori** 1986 Dec;34(12):1382–9 **(Jpn)**

[Morphologic and cytochemical characteristics of lymphosarcoma in children with various immunologic subtypes of the disease] Peterson IS, et al. **Eksp Onkol** 1986; 8(4):45–9 (Eng. Abstr.) **(Rus)**

[Immunomorphological subvariants of lymphosarcoma in children] Peterson IS, et al. **Gematol Transfuziol** 1987 Feb; 32(2):31–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Development of stroma in malignant lymphomas of the brain compared with epidural lymphomas. An immunohistochemical study. Kochi N, et al. **Acta Neuropathol (Berl)** 1986;71(1–2):125–9

Methotrexate kinetics in myeloid bone marrow cells and peripheral neutrophils. Schrøder H. **Cancer Chemother Pharmacol** 1987;19(1):42–6

Expression of CD 25 (Tac antigen) in lymphoid leukemias and non-Hodgkin lymphomas. Faure GC, et al. **Eur J Haematol** 1987 Jan;38(1):26–30

Organ distribution of fibrinogen-bound methotrexate in mice with Gardner lymphosarcoma. Slavíková V, et al. **Neoplasma** 1987;34(3):269–76

MICROBIOLOGY

Non-Hodgkin's lymphoma after treatment of Hodgkin's disease: association with Epstein-Barr virus. List AF, et al. **Ann Intern Med** 1986 Nov;105(5):668–73

Gastric lymphoma associated with human T-cell leukemia virus type I. Kubonishi I, et al. **Arch Intern Med** 1987 Mar; 147(3):603–5

Infection of feline lymphoid cells with feline leukemia virus in culture. Kodama T, et al. **Leuk Res** 1987;11(6):549–56

Antibodies to the second Epstein-Barr virus nuclear antigen in non-Hodgkin lymphomas. Gergely L, et al. **Med Microbiol Immunol (Berl)** 1987;176(3):175–9

MORTALITY

Non-Hodgkin's lymphomas: characteristics of long-term survivors following conservative treatment. Straus DJ, et al. **Am J Med** 1987 Feb;82(2):247–56

Non-Hodgkin's lymphoma of the thyroid. Makepeace AR, et al. **Clin Radiol** 1987 May;38(3):277–81

Primary gastric lymphoma: a review of 45 cases. Ravaioli A, et al. **Eur J Cancer Clin Oncol** 1986 Dec;22(12):1461–5

A counting process approach to the analysis of the course of non-Hodgkin's lymphoma. Mau J, et al. **Stat Med** 1986 Sep–Oct;5(5):491–5

[Long-term results in 172 highly malignant non-Hodgkin's lymphomas with special reference to older patients] Kuse R, et al. **Dtsch Med Wochenschr** 1987 Feb 27;112(9):335–40 (Eng. Abstr.) **(Ger)**

[Prognostic factors in lymphosarcoma] Abdyldaev RA, et al. **Ter Arkh** 1987;59(6):43–6 (Eng. Abstr.) **(Rus)**

[Prognostic factors in non-Hodgkin's lymphomas] Mayáns J, et al. **Rev Clin Esp** 1987 May;180(8):420–5 (Eng. Abstr.) **(Spa)**

NURSING

Nursing care of the patient with non-Hodgkin's lymphoma: prevention of pneumonia associated with combination chemotherapy. Foote M. **Cancer Nurs** 1985 Oct;8(5):263–71

OCCURRENCE

Tumours in Iceland. Hodgkin's disease and non-Hodgkin's malignant lymphomas. A histological classification and epidemiological considerations. Agnarsson BA, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1987 Jan; 95(1):23–8

Variation in lymphoma incidence within Yorkshire Health Region. Barnes N, et al. **Br J Cancer** 1987 Jan;55(1):81–4

Non-Hodgkin's lymphomas in childhood. A clinicopathologic and epidemiologic study in Finland. Franssila KO, et al. **Cancer** 1987 May 15;59(10):1837–46

Malignant lymphoma in Nebraska and Guangzhou, China: a comparative study. Harrington DS, et al. **Hum Pathol** 1987 Sep;18(9):924–8

A review of non-Hodgkin's lymphoma of the oral cavity 1950–1980. Haidar Z. **J Oral Med** 1986 Jul–Sep; 41(3):197–200

Primary gastrointestinal lymphoma incidence, clinical presentation, and surgical approach. Bäck H, et al. **J Surg Oncol** 1986 Dec;33(4):234–8

Lymphoma in coal-mine employees [letter] Corbett S, et al. **Med J Aust** 1986 Mar 3;144(5):276–7

[Malignant lymphoma, ORL localization, and the presence of anti-HTLV-I antibodies in Martinique] Gessain A, et al. **Rev Laryngol Otol Rhinol (Bord)** 1986;107(2):91–4 (Eng. Abstr.) **(Fre)**

[Non-Hodgkin's lymphomas. A brief introduction to their problems] Gross R. **Internist (Berlin)** 1986 Aug;27(8):471–2 **(Ger)**

[Biological characteristics and prognosis of childhood malignant lymphoma] Sasaki K, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):27–37 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Automated cytochemistry in non-Hodgkin's lymphoma: a new method for determination of cells from lymph node biopsy. Bunyaratvej A, et al. **Acta Haematol (Basel)** 1986; 75(4):199–202

Downgrading of non-Hodgkin's lymphoma following chemotherapy. O'Brien CJ, et al. **Acta Haematol (Basel)** 1987;77(1):57–9

Perirenal lymphoma. Report of a case. Lindgren PG, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jul–Aug;27(4):433–5

Primary lymphomas of the liver. Report of six cases and review of the literature. DeMent SH, et al. **Am J Clin Pathol** 1987 Sep;88(3):255–63

Parafollicular B lymphocytes [letter] Isaacson PG. **Am J Clin Pathol** 1987 Sep;88(3):393–4

Distribution of lymphocytes with interleukin-2 receptors (TAC antigens) in reactive lymphoproliferative processes, Hodgkin's disease, and non-Hodgkin's lymphomas. An immunohistologic study of 300 cases. Sheibani K, et al. **Am J Pathol** 1987 Apr;127(1):27–37

Mantle-zone lymphoma: additional arguments for its origin [letter] Manconi R, et al. **Am J Surg Pathol** 1987 Apr; 11(4):333–4

Malignant lymphoma presenting as a renal mass: four cases. Osborne BM, et al. **Am J Surg Pathol** 1987 May; 11(5):375–82

DNA-grading of malignant lymphomas. II. Correlation with clinical parameters. Böcking A, et al. **Anticancer Res** 1986 Sep–Oct;6(5):1217–23

DNA-grading of malignant lymphomas. I. Prognostic significance, reproducibility and comparison with other classifications. Böcking A, et al. **Anticancer Res** 1986 Sep–Oct;6(5):1205–16

Transplantable human non-Hodgkin lymphoma line in artificially immunesuppressed mice. Kopper L, et al. **Anticancer Res** 1987 Mar–Apr;7(2):193–8

Special types of malignant lymphomas limited to intrathoracic sites. Leahu S, et al. **Arch Anat Cytol Pathol** 1987;35(2):95–9

Hand-mirror-cell variant of B-cell lymphoma with hypercalcemia. Smith RE. **Arch Intern Med** 1986 Nov; 146(11):2273–4

Primary cardiac non-Hodgkin's lymphoma [letter] Wargotz ES, et al. **Arch Pathol Lab Med** 1987 Oct;111(10):894–5

Abdominal CT and lymphography in the initial staging of non-Hodgkin's lymphoma. Benson WJ, et al. **Aust NZ J Med** 1987 Apr;17(2):253–4

Non-Hodgkin's lymphoma containing both B and T cell clones. Hu E, et al. **Blood** 1987 Jul;70(1):287–92

Acute lymphoblastic leukemia and non-Hodgkin's lymphoma of T lineage: colony-forming cells retain growth factor (interleukin 2) dependence. Touw I, et al. **Blood** 1986 Nov; 68(5):1088–94

The presence of clonogenic cells in high-grade malignant lymphoma: a prognostic factor. Tweeddale ME, et al. **Blood** 1987 May;69(5):1307–14

Phorbol ester induction of plasmacytoid and hairy cell leukemia features in B-type lymphocytic leukemias: the relation to B-cell differentiation and maturation. Gazitt Y, et al. **Blood Cells** 1987;12(2):413–39

Mitotic activity in non-Hodgkin's lymphoma. Relation to the Kiel classification and to prognosis. Akerman M, et al. **Br J Cancer** 1987 Feb;55(2):219–23

A comparison of three methods for the determination of the growth fraction in non-Hodgkin's lymphoma. Schrape S, et al. **Br J Cancer** 1987 Mar;55(3):283–6

Nonlymphoblastic T-cell lymphoma in children. Bitter MA, et al. **Cancer** 1987 Jun 15;59(12):2099–103

S-100 protein, fibronectin, and laminin immunostaining in lymphomas of follicular center cell origin. Carbone A, et al. **Cancer** 1986 Nov 15;58(10):2169–76

Hodgkin's disease after treatment of non-Hodgkin's lymphoma. Carrato A, et al. **Cancer** 1987 Aug 15; 60(4):887–96

Stage I and II Waldeyer's ring and oral-sinonasal non-Hodgkin's lymphoma. Shibuya H, et al. **Cancer** 1987 Mar 1;59(5):940–4

Early stage head and neck non-Hodgkin's lymphoma. The effect of tumor burden on prognosis. Shirato H, et al. **Cancer** 1986 Nov 15;58(10):2312–9

Localized non-Hodgkin's lymphoma of the breast. Smith MR, et al. **Cancer** 1987 Jan 15;59(2):351–4

Ultrasonically guided staging splenic tissue core biopsy in patients with non-Hodgkin's lymphoma. Suzuki T, et al. **Cancer** 1987 Aug 15;60(4):879–82

Immunoblastic lymphadenopathy, angioimmunoblastic lymphadenopathy, and IBL-like T-cell lymphoma. A spectrum of T-cell neoplasia. Watanabe S, et al. **Cancer** 1986 Nov 15;58(10):2224–32

Non-Hodgkin's lymphoma. Tubiana M, et al. **Cancer Surv** 1985;4(2):377–98 (85 ref.)

Large-cell lymphoma with diffuse sclerosis. A B-cell neoplasm of late-secretory, preplasma cells. Linden MD, et al. **Cleve Clin Q** 1986 Fall;53(3):319–22

Non-Hodgkin's lymphoma of the head and neck: prognostic factors. Nash JR, et al. **Clin Otolaryngol** 1987 Jun; 12(3):203–10

Lymphoblastic lymphoma in adolescents and adults. Clinical, pathological and prognostic evaluation. Mazza P, et al. **Eur J Cancer Clin Oncol** 1986 Dec;22(12):1503–10

Primary IgG-lambda immunocytoma of the urinary bladder. De Bruyne R, et al. **Eur J Surg Oncol** 1987 Aug;13(4):361–4

Primary localized non-Hodgkin's lymphoma of the thyroid: a retrospective clinicopathological review. Tennvall J, et al. **Eur J Surg Oncol** 1987 Aug;13(4):297–302

Primary renal lymphoma. Betta PG, et al. **Eur Urol** 1986; 12(5):352–4

Transforming growth factor type beta (TGF beta) inhibits G1 to S transition, but not activation of human B lymphocytes. Smeland EB, et al. **Exp Cell Res** 1987 Jul; 171(1):213–22

Primary lymphoma of the central nervous system. A clinical and immunohistological study of 8 patients. Bertoncelli C, et al. **Haematologica (Pavia)** 1987 Mar–Apr;72(2):137–42

Expression of the T1 (CD5, p67) surface antigen in B-CLL and B-NHL and its correlation with other B-cell differentiation markers. Delia D, et al. **Hematol Oncol** 1986 Jul–Sep;4(3):237–48

Phenotypic heterogeneity displayed by T-non Hodgkin's lymphoma (T-NHL) cells dispersed from diagnostic lymph node biopsies. Jones DB, et al. **Hematol Oncol** 1986 Jul–Sep;4(3):219–26

An immunohistochemical study of non-Hodgkin's lymphomas: correlation of morphological appearances and immunophenotype in 148 cases. Nash JR. **Histopathology** 1986 Aug;10(8):793–813

Genotypic analysis of large cell lymphomas which express the Ki-1 antigen. O'Connor NT, et al. **Histopathology** 1987 Jul;11(7):733–40

Mitosis counts: reproducibility and significance in grading of malignancy. Donhuijsen K. **Hum Pathol** 1986 Nov; 17(11):1122–5

Mitotic counts in follicular lymphomas. Ellison DJ, et al. **Hum Pathol** 1987 May;18(5):502–5

Lymphocytic lymphoma of intermediate differentiation--mantle zone lymphoma: a distinct subtype of B-cell lymphoma. Jaffe ES, et al. **Hum Pathol** 1987 Sep; 18(9):877–80

Morphologic marker for the diagnosis of lymphoblastic lymphoma. Verma RN, et al. **Indian J Cancer** 1985 Dec; 22(4):253–60

Is cranial radiation necessary for CNS prophylaxis in pediatric NHL? Mandell LR, et al. **Int J Radiat Oncol Biol Phys** 1987 Mar;13(3):359–63

Cranial irradiation is not necessary for central-nervous-system prophylaxis in pediatric non-Hodgkin's lymphoma [editorial] Murphy SB, et al. **Int J Radiat Oncol Biol Phys** 1987 Mar;13(3):467–8

Discordant lymphoma: a case report. Coyne J, et al. **Ir J Med Sci** 1987 Mar;156(3):104–5

Ultrasonic backscatter from bovine tissues: variation with pathology. Fei DY, et al. **J Acoust Soc Am** 1987 Jan; 81(1):166–72

The significance of bone marrow involvement in non-Hodgkin's lymphoma: the Eastern Cooperative Oncology Group experience. Bennett JM, et al. **J Clin Oncol** 1986 Oct;4(10):1462–9

Effect of the degree of nodularity on the survival of patients with nodular lymphomas. Ezdinli EZ, et al. **J Clin Oncol** 1987 Mar;5(3):413–8

Patterns of disease in localized extranodal lymphomas. Gospodarowicz MK, et al. **J Clin Oncol** 1987 Jun; 5(6):875–80

Pathology of the heart and conduction system in lymphoma and leukaemia. Allen DC, et al. **J Clin Pathol** 1987 Jul; 40(7):746–50

Mast cells in non-Hodgkin's lymphomas: a quantitative study [letter] Crocker J, et al. **J Clin Pathol** 1987 Apr;40(4):470

Lymphoid stromal reaction in gastrointestinal lymphomas: immunohistochemical study of 14 cases. Jarry A, et al. **J Clin Pathol** 1987 Jul;40(7):760–5

Immunogold-silver technique applied to showing malignant B cell infiltration of gastrointestinal tract in patients with chronic lymphocytic leukaemia and non-Hodgkin's lymphoma. Smith G, et al. **J Clin Pathol** 1987 Jul; 40(7):756–9

Lymph node cellular morphology: comparative study of imprints and cytocentrifuge smears. Stevens MW, et al. **J Clin Pathol** 1987 Jul;40(7):751–5

Four primary malignant tumors, including malignant melanoma and malignant lymphoma, in the same adult patient. Igisu K, et al. **J Dermatol (Tokyo)** 1987 Apr; 14(2):170–4

Painless swelling of the anterior maxillary gingiva [clinical conference] Gould AR, et al. **J Oral Maxillofac Surg** 1987 Sep;45(9):785–8

Triple primary malignant neoplasms in the head and neck. Clarke DR, et al. **J R Soc Med** 1986 Nov;79(11):676–7

Lymphoproliferative disorders [editorial] Pontes JE, et al. **J Urol** 1987 May;137(5):958

Malignant lymphoma associated with reactive lymphoreticular hyperplasia of the stomach--a case report. Kobayashi Y, et al. **Jpn J Surg** 1987 May;17(3):204–8 (11 ref.)

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 22-1987. A 58-year-old woman with progressive pericardial disease. **N Engl J Med** 1987 May 28;316(22):1394–404

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 31-1987. A 50-year-old woman with a central-nervous-system disorder and renal failure two months after a renal transplant. **N Engl J Med** 1987 Jul 30;317(5):295–306

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 2-1987. A 30-year-old man with ataxia-telangiectasia and dysphagia. **N Engl J Med** 1987 Jan 8;316(2):91–100

Metastatic malignancy presenting as anterior pituitary failure. Markusse HM, et al. **Neth J Med** 1987 Apr;30(3–4):135–43

Two patients with autoimmune disease developing into non-Hodgkin's lymphoma. Kamiyama R, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Jul;49(4):915–21

Secondary involvement of the central nervous system in malignant non-Hodgkin's lymphoma. A study of 30 cases in a series of 498 patients. Hoerni-Simon G, et al. **Oncology** 1987;44(2):98–101

Differential growth characteristics of low and high metastatic variant RAW117 murine lymphosarcoma cells. Joshi SS, et al. **Oncology** 1987;44(3):180–5

Primary malignant non-Hodgkin's lymphoma of the central nervous system. Bonnin JM, et al. **Pathol Annu** 1987;22 Pt 1:353–75 (72 ref.)

Mitoses in non-Hodgkin's lymphomas. Frequency and prognostic relevance. Donhuijsen K. **Pathol Res Pract** 1987 Jun;182(3):352–7

Primary non-Hodgkin's lymphomas of the central nervous system. Merkel KH, et al. **Pathol Res Pract** 1986 Aug; 181(4):430–3

Primary extranodal non-Hodgkin's lymphoma. Manoharan A, et al. **Pathology** 1986 Oct;18(4):413–7

Intraocular large cell lymphoma presenting as massive thickening of the uveal tract. Duker JS, et al. **Retina** 1987 Spring;7(1):41–5

Proliferative activity and number of clonal chromosome aberrations in non-Hodgkin's lymphomas. Brandt L, et al. **Scand J Haematol** 1986 Aug;37(2):106–10

Massive bilateral non-Hodgkin's lymphomas of the adrenals. Feldberg MA, et al. **Urol Radiol** 1986;8(2):85–8

Evidence for neoplastic cell differentiation in mediastinal T lymphoblastic lymphoma. Ruco LP, et al. **Virchows Arch [A]** 1987;410(5):443–7

In vitro culture studies of granulocyte/macrophage and erythroid progenitor cells in lymphoproliferative disorders. Geissler K, et al. **Virchows Arch [B]** 1987;52(6):553–61

[Pathology of primary non-Hodgkin's lymphoma of bone] Liu ZJ, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Sep; 8(5):352–4 (Eng. Abstr.) **(Chi)**

[Influences of inflammatory macrophages on the proliferation of mouse tumor cells in vitro] Sun DM, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Jul;8(4):247–9 (Eng. Abstr.) **(Chi)**

[Transformation of the histopathologic types in lymphoma] Ji XL, et al. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Sep; 15(3):193–5 (Eng. Abstr.) **(Chi)**

[Immunocytochemical study on ferritin in non-Hodgkin's lymphomas] Yang DY. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Sep;15(3):167–70 (Eng. Abstr.) **(Chi)**

[Morphological observations on 10 cases of clear cell lymphoma] Zhuang HG. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Sep;15(3):200–1 (Eng. Abstr.) **(Chi)**

[Transformation of malignant non-Hodgkin's lymphomas from low- to high-grade malignancy] Herait P, et al. **Ann Med Interne (Paris)** 1986;137(4):342–5 (Eng. Abstr.) **(Fre)**

[Immunoperoxidase study of 18 malignant lymphoblastic lymphomas (LMLbl) in children] Caillaud JM, et al. **Ann Pathol** 1986;6(3):183–91 (Eng. Abstr.) **(Fre)**

[Malignant non-Hodgkin's abdominal lymphoma in western Algeria. Apropos of 18 cases] Medjahed F, et al. **Arch Anat Cytol Pathol** 1986;34(3):159–63 (Eng. Abstr.) **(Fre)**

[Cardiac involvement in 2 cases of malignant non-Hodgkin's lymphoma. Course of cardiac involvement under chemotherapy] Grollier G, et al. **Arch Mal Coeur** 1987 May;80(5):651–6 (Eng. Abstr.) **(Fre)**

[Malignant non-Hodgkin lymphoma: a prospective study of the value of esophagogastroduodenal fibroscopy in the initial staging (letter)] Girodet J, et al. **Gastroenterol Clin Biol** 1986 Nov;10(11):769 **(Fre)**

[Mammary localization of malignant non-Hodgkin's lymphomas. Apropos of 4 cases] Tiberghien P, et al. **Rev Fr Gynecol Obstet** 1987 Mar;82(3):185–92 (Eng. Abstr.) **(Fre)**

[The relations between Hodgkin's and non-Hodgkin's lymphoma] Lennert K. **Arzneimittelforschung** 1987 Feb; 37(2A):255–9 (Eng. Abstr.) **(Ger)**

[Current problems of the histopathology and classification of non-Hodgkin's lymphomas] Fischer R. **Internist (Berlin)** 1986 Aug;27(8):473–84 (66 ref.) **(Ger)**

[Kidney involvement in malignant lymphomas. A clinicoradiologic study of 31 patients] Zankovich R, et al. **Med Klin** 1987 Apr 24;82(9):301–5 (Eng. Abstr.) **(Ger)**

[Case report of the problem of diagnosis and therapy of mediastinal tumors with anterior venous obstruction] Kob D, et al. **Z Erkr Atmungsorgane** 1986;167(3):273–8 (Eng. Abstr.) **(Ger)**

[Malignant lymphoma of the eye] Bechcińska B, et al. **Zentralbl Allg Pathol** 1986;132(4):307–11 (Eng. Abstr.) **(Ger)**

[Intestinal localizations of non-Hodgkin's lymphoma (clinical and histopathologic considerations)] Vigoni A, et al. **Chir Ital** 1986 Aug;38(4):392–8 (Eng. Abstr.) **(Ita)**

[Primary lymphoma of the thyroid: description of a case and review of the literature] Vignoli R, et al. **G Clin Med** 1986

Aug;67(4):235–7 (Eng. Abstr.) (Ita)
[Coexistence of Kaposi's sarcoma and immunoblastic lymphoma. Description of a case] Basaglia P, et al. **Minerva Med** 1987 Feb 15;78(3):187–91 (Eng. Abstr.) (Ita)
[Primary extra-lymph node localization of non-Hodgkin's lymphoma. Considerations on a clinical case] Petrella V, et al. **Minerva Med** 1987 Feb 28;78(4):219–21 (Eng. Abstr.) (Ita)
[Lennert lymphoma arising in a cystadenolymphoma] Franco V, et al. **Pathologica** 1986 Mar–Apr;78(1054):263–8 (Eng. Abstr.) (Ita)
[Non-Hodgkin's lymphoma: a retrospective clinicopathological study using the new "working histopathological formulation for clinical usage"]Bettini R, et al. **Recenti Prog Med** 1987 Jan;78(1):9–13 (Eng. Abstr.) (Ita)
[Clinical study of non-Hodgkin lymphoma with involvement of Waldeyer's ring] Ogawa T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1987 May;90(5):723–9 (Eng. Abstr.) (Jpn)
[Primary ovarian non-Hodgkin lymphoma—case report and brief review] Hattori Y, et al. **Rinsho Ketsueki** 1986 Dec; 27(12):2356–60 (21 ref.) (Eng. Abstr.) (Jpn)
[Non-Hodgkin's lymphoma with gastrointestinal involvement in the stomach and appendix: case report] Mori S, et al. **Rinsho Ketsueki** 1986 Jul;27(7):1064–8 (Eng. Abstr.) (Jpn)
[Abnormal expansion of azurophilic granular lymphocytes with peculiar surface phenotype in a case of malignant lymphoma] Ninomiya H, et al. **Rinsho Ketsueki** 1986 Nov; 27(11):2168–72 (Eng. Abstr.) (Jpn)
[Central nervous system involvement in non-Hodgkin's lymphoma] Nishikori M, et al. **Rinsho Ketsueki** 1986 Nov; 27(11):2051–8 (Eng. Abstr.) (Jpn)
[Enzyme- and immuno-histochemical study of childhood non-Hodgkin's lymphomas] Shinozawa T. **Rinsho Ketsueki** 1986 Nov;27(11):2078–84 (Eng. Abstr.) (Jpn)
[The pathogenesis of acquired von Willebrand's disease in a patient with asymptomatic monoclonal gammopathy; malignant lymphoma developing 30 months after onset of bruising] Takai Y, et al. **Rinsho Ketsueki** 1987 Jan; 28(1):53–64 (Eng. Abstr.) (Jpn)
[Endoscopy of the upper gastrointestinal tract. A lead in the primary examination of patients with non-Hodgkin's lymphoma] Schjølseth SA, et al. **Tidsskr Nor Laegeforen** 1987 Apr 10;107(10–11):931–2 (Eng. Abstr.) (Nor)
[Morphometric characteristics of argentaffin nucleolar structures in peripheral blood lymphoid cells from patients with non-Hodgkin's lymphomas and chronic lymphoid leukemias] Pogorelov VM, et al. **Eksp Onkol** 1987;9(3):43–8 (Eng. Abstr.) (Rus)
[Lymphosarcoma of the appendix] Poddubnaia IV, et al. **Sov Med** 1987;(2):109–12 (Rus)
[Small non-cleaved follicular cell lymphoma] Aine R, et al. **Vopr Onkol** 1987;33(8):33–40 (Eng. Abstr.) (Rus)
[Immunoblastic lymphosarcoma of the stomach (2 cases)] Sutiagin AG, et al. **Vopr Onkol** 1987;33(2):107–9 (Rus)
[B-pseudolymphoma: lymphocytoma] Torres Cortijo A, et al. **Med Cutan Ibero Lat Am** 1986;14(6):371–86 (Eng. Abstr.) (Spa)
[Coexistence of chronic myeloid leukemia and T lymphoma in a female patient] Feliu Batlle J, et al. **Rev Clin Esp** 1987 Feb;180(3):155–7 (Eng. Abstr.) (Spa)
[Natural history of non-Hodgkin's lymphoma with a "favorable" histology in an advanced stage]Pereira A, et al. **Sangre (Barc)** 1987;32(2):202–10 (Eng. Abstr.) (Spa)
[Late recurrences in non-Hodgkin's lymphomas with unfavorable histology] Pereira A, et al. **Sangre (Barc)** 1986; 31(5):582–6 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Primary cerebral malignant lymphoma with endocrine defect. Case report and review of the literature. Peters FT, et al. **Neth J Med** 1986;29(12):406–10

RADIOGRAPHY

The spleen in non-Hodgkin lymphoma. Diagnostic value of computed tomography. Strijk SP, et al. **Acta Radiol** 1987 Mar–Apr;28(2):139–44
Non-Hodgkin's lymphoma of the head and neck: CT evaluation of nodal and extranodal sites. Harnsberger HR, et al. **AJR** 1987 Oct;149(4):785–91
Lymphomas of the head and neck: CT findings at initial presentation. Lee YY, et al. **AJR** 1987 Sep;149(3):575–81
Spontaneous temporary remission in primary CNS lymphoma. Rubin M, et al. **Can J Neurol Sci** 1987 May; 14(2):175–7
Value of gallium scans and lymphangiography in non-Hodgkin's lymphoma of the Waldeyer's ring. Shigematsu N, et al. **Cancer** 1986 Dec 15;58(12):2622–4
Organ envelopment in lymphoma visualised by computed tomography. Seltzer SE, et al. **Clin Radiol** 1986 Nov; 37(6):525–9
Histiocytic sarcoma of the brain in childhood. de Slegte RG, et al. **Eur J Radiol** 1987 May;7(2):121–4
Radiographic findings in 32 cases of primary CNS lymphoma. Bragg DG. **Invest Radiol** 1986 Oct;21(10):826–7
The mediastinum in Hodgkin's and non-Hodgkin's lymphomas. Blank N, et al. **J Thorac Imaging** 1987 Jan; 2(1):66–71
Non-Hodgkin's lymphoma. Holderman RD, et al. **Oral Surg Oral Med Oral Pathol** 1987 Mar;63(3):386–9
Computed tomography of lymphomatous involvement of mesenteric nodes. Cole SM. **Radiography** 1986 Nov–Dec; 52(606):299–301
Lymphangiography and CT in the follow-up of patients with lymphoma. Pera A, et al. **Radiology** 1987 Sep;164(3):631–3
Intracranial non-Hodgkin lymphoma occurring after treatment of Hodgkin disease. Yang PJ, et al. **Radiology** 1986 Nov;161(2):541–3
Conditions simulating lymphoma in children—a lymphographic study. Lanning P, et al. **Rontgenblatter** 1987 Aug;40(8):255–9
[Value of abdominal CT scan in the staging of malignant lymphoma] Huang YR. **Chung Hua Chung Liu Tsa Chih** 1986 Sep;8(5):389–91 (Eng. Abstr.) (Chi)
[Pulmonary microlithiasis following iodine lipiodol lymphography?] Tiedjen KU, et al. **Radiologe** 1986 Oct; 26(10):460–3 (Eng. Abstr.) (Ger)
[Skeletal involvement in malignant lymphoma] Pirschel J, et al. **ROFO** 1987 Jun;146(6):635–9 (Eng. Abstr.) (Ger)
[Multiple lymphomatous polyposis of the intestinal tract] Ranner G, et al. **Rontgenblatter** 1987 Apr;40(4):121–4 (Eng. Abstr.) (Ger)
[Cerebral manifestations in non-Hodgkin lymphoma and in lymphogranulomatosis on the CT image] Hörmann M, et al. **Strahlenther Onkol** 1987 Jun;163(6):364–9 (Eng. Abstr.) (Ger)
[Comparative radiologic study of bone localizations of malignant lymphomas] Sciascia R, et al. **Radiol Med (Torino)** 1987 Jul–Aug;74(1–2):97–102 (Eng. Abstr.) (Ita)
[Case of the month. Malignant lymphoma originating in the lung] Tada S. **Rinsho Hoshasen** 1987 Apr;32(4):521–2 (Jpn)

RADIONUCLIDE IMAGING

Brachial plexus infiltration by non-Hodgkin's lymphoma. Liang R, et al. **Br J Radiol** 1985 Nov;58(695):1125–7
Value of gallium scans and lymphangiography in non-Hodgkin's lymphoma of the Waldeyer's ring. Shigematsu N, et al. **Cancer** 1986 Dec 15;58(12):2622–4
Non-Hodgkin's lymphoma. Moreno AJ, et al. **Clin Nucl Med** 1986 Nov;11(11):801–2
Comparison of fluorine-18-2-fluorodeoxyglucose and gallium-67 citrate imaging for detection of lymphoma. Paul R. **J Nucl Med** 1987 Mar;28(3):288–92

RADIOTHERAPY

Whole abdominal irradiation in non-Hodgkin's lymphomas. II. Therapeutic criteria. Calvo FA, et al. **Am J Clin Oncol** 1986 Oct;9(5):429–35
Whole abdominal irradiation in non-Hodgkin's lymphomas. I. Tolerance and outcome. Yaeger TE 4th, et al. **Am J Clin Oncol** 1986 Oct;9(5):424–8
Ultrasound imaging for radiotherapy computer treatment planning and the serial measurement of tumour response. Perkins AC, et al. **Br J Radiol** 1985 Oct;58(694):1013–6
The curative role of radiation therapy in the management of patients with localized non-Hodgkin's lymphoma. Sutcliffe SB. **Bull NY Acad Med** 1987 Mar;63(2):168–80
Ocular morbidity after radiotherapy of orbital and conjunctival lymphoma. Bessell EM, et al. **Eye** 1987;1 (Pt 1):90–6
Radiotherapy treatment planning for the non-Hodgkin's lymphomas. Meyer JL. **Front Radiat Ther Oncol** 1987; 21:288–301
Chemotherapy in patients who fail radiotherapy for diffuse aggressive non-Hodgkin's lymphoma. Armitage JO, et al. **Int J Radiat Oncol Biol Phys** 1987 Sep;13(9):1351–4
Long-term results of low dose total body irradiation for advanced non-Hodgkin lymphoma. Lybeert ML, et al. **Int J Radiat Oncol Biol Phys** 1987 Aug;13(8):1167–72
Response of a non-Hodgkin lymphoma to 60Co therapy monitored by 31P MRS in situ. Ng TC, et al. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1545–51
Extranodal non-Hodgkin's lymphoma of the head and neck. Wulfrank D, et al. **Radiother Oncol** 1987 Mar;8(3):199–207
Radiation therapy for primary non-Hodgkin's lymphoma of the head and neck in stage I–II. Teshima T, et al. **Strahlenther Onkol** 1986 Aug;162(8):478–83
The role of radiation therapy in the management of primary non-Hodgkin lymphomas of the central nervous system: clinical study of 10 cases. Di Marco A, et al. **Tumori** 1986 Dec 31;72(6):565–73
[Half-body irradiation and drug-resistant non-Hodgkin's lymphomas. Apropos of 9 cases] Touboul E, et al. **Bull Cancer (Paris)** 1987;74(2):159–65 (Eng. Abstr.) (Fre)
[Radiotherapeutic indications in non-Hodgkin's lymphoma (nodal form)] Steidle B. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:220–7 (33 ref.) (Ger)
[Radiotherapy of non-Hodgkin's lymphoma] Wannenmacher M, et al. **Internist (Berlin)** 1986 Aug;27(8):498–505 (30 ref.) (Ger)
[Effect of cranial irradiation on the blood–cerebrospinal fluid and blood–brain barrier] Ludwig R. **Klin Padiatr** 1987 May–Jun;199(3):233–8 (Eng. Abstr.) (Ger)
[Low-grade non-Hodgkin's lymphomas—report of the Japanese Lymphoma Radiation Therapy Group (JLRTG)] Hayabuchi N, et al. **Gan No Rinsho** 1987 Jan;33(1):13–20 (Eng. Abstr.) (Jpn)
[Results of radiation therapy of extranodal non-Hodgkin's lymphoma of the head and neck—a study of the Japan Lymphoma Radiation Therapy Study Group] Horiuchi J, et al. **Gan No Rinsho** 1987 Jun;33(7):762–8 (Eng. Abstr.) (Jpn)
[Results of radiotherapy in extranodal non-Hodgkin's lymphomas of the head and neck] Kiyono K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 May 25; 46(5):693–9 (Eng. Abstr.) (Jpn)
[Clonogenic capacity, radiosensitivity and recovery from potentially lethal damage in individual subpopulations of the murine NKLy ascitic tumor] Magda IN, et al. **Radiobiologia** 1987 May–Jun;27(3):303–7 (Eng. Abstr.) (Rus)

SECONDARY

Cardiac lymphoma: an unusual case of myocardial perforation—clinical, echocardiographic, haemodynamic and pathological features. Molajo AO, et al. **Eur Heart J** 1987 May;8(5):549–52
Malignant lymphoma: cardiac involvement at initial presentation. Gill PS, et al. **J Clin Oncol** 1987 Feb; 5(2):216–24
[Cardiac involvement in 2 cases of malignant non-Hodgkin's lymphoma. Course of cardiac involvement under chemotherapy] Grollier G, et al. **Arch Mal Coeur** 1987 May;80(5):651–6 (Eng. Abstr.) (Fre)

SURGERY

Spontaneous respiration during thoracotomy in a patient with a mediastinal mass. Sibert KS, et al. **Anesth Analg** 1987 Sep;66(9):904–7
Primary spinal epidural lymphomas. Report of ten cases. Cappellani G, et al. **J Neurosurg Sci** 1986 Jul–Sep; 30(3):147–51
[Therapy of gastrointestinal non-Hodgkin's lymphomas] Peters U, et al. **Dtsch Med Wochenschr** 1987 Mar 27; 112(13):513–5 (14 ref.) (Ger)
[Non-Hodgkin's lymphoma of the stomach: surgical therapy and prognosis] Feil W, et al. **Wien Klin Wochenschr** 1987 Jun 12;99(12):426–30 (Eng. Abstr.) (Ger)

THERAPY

Influence of exogenous interleukin-2 on the proliferation of lymphocytes from normal donors and from patients after autologous bone marrow transplantation. Borradori L, et al. **Acta Haematol (Basel)** 1987;77(3):129–34
Hematologic engraftment and immune reconstitution posttransplantation with anti-B1 purged autologous bone marrow. Anderson KC, et al. **Blood** 1987 Feb;69(2):597–604
High dose busulfan/etoposide as a preparatory regimen for second bone marrow transplants in hematologic malignancies. Blume KG, et al. **Blut** 1987 Jul;55(1):49–53
Allogeneic bone marrow transplantation for high risk non-Hodgkin's lymphoma during first complete remission. Nademanee AP, et al. **Blut** 1987 Jul;55(1):11–8
Chlorambucil and interferon for low grade non-Hodgkin's lymphoma. Rohatiner AZ, et al. **Br J Cancer** 1987 Feb; 55(2):225–6
Non-Hodgkin's lymphoma presenting with spinal epidural involvement. Epelbaum R, et al. **Cancer** 1986 Nov 1; 58(9):2120–4
Interferon therapy of non-Hodgkin's lymphoma. Foon KA, et al. **Cancer** 1987 Feb 1;59(3 Suppl):601–4
Acute promyelocytic leukemia with an intracerebral mass and meningeal involvement after treatment of non-Hodgkin's lymphoma. Kanakura Y, et al. **Cancer** 1987 Jan 1;59(1):94–8
Serum ferritin in patients undergoing bone marrow transplantation. Or R, et al. **Cancer** 1987 Sep 1; 60(5):1127–31
Radiotherapy versus radiotherapy plus chemotherapy in stages I and II non-Hodgkin's lymphoma of the upper digestive and respiratory tract. Ossenkoppele GJ, et al. **Cancer** 1987 Oct 1;60(7):1505–9
Intensive cytoreductive therapy followed by autologous bone marrow transplantation for patients with hematologic malignancies or solid tumors. Verdonck LF, et al. **Cancer** 1987 Aug 1;60(3):289–95
A phase II study of human rDNA alpha-2 interferon in patients with low grade non-Hodgkin's lymphoma. Wagstaff J, et al. **Cancer Chemother Pharmacol** 1986; 18(1):54–8
Henry S. Kaplan 1918–1984: a physician, a scientist, a friend. Fuks Z, et al. **Cancer Surv** 1985;4(2):294–311
Update on haematologic malignancy. Jacobs P. **Cent Afr J Med** 1986 Apr;32(4):100–6
Primary lymphoma of the breast. Liu FF, et al. **Clin Radiol** 1986 Nov;37(6):567–70
Should lymphomas of gastrointestinal tract be treated differently from other disease presentations? Bonadonna G, et al. **Eur J Cancer Clin Oncol** 1986 Nov;22(11):1295–9
EORTC trial non-Hodgkin lymphomas. Somers R, et al. **Eur J Cancer Clin Oncol** 1987 Mar;23(3):283–93
Treatment of adult non-Hodgkin's lymphomas. Gobbi PG, et al. **Haematologica (Pavia)** 1986 Jul–Aug;71(4):321–43

(203 ref.)
Interferon alfa-2b and chlorambucil in the treatment of non-Hodgkin's lymphoma. Chisesi T, et al. **Invest New Drugs** 1987;5 Suppl:S35-40
Combination trial of subcutaneous interferon alfa-2b and oral cyclophosphamide in favorable histology, non-Hodgkin's lymphoma. Ozer H, et al. **Invest New Drugs** 1987;5 Suppl:S27-33
Recombinant alpha interferons 1986: a review. Lindquist DL, et al. **Iowa Med** 1987 Jan;77(1):32, 34, 36
Stage III follicular lymphoma: durable remissions with a combined chemotherapy-radiotherapy regimen. McLaughlin P, et al. **J Clin Oncol** 1987 Jun;5(6):867-74
Treatment-related toxicity in elderly patients with malignant lymphoma [letter] Tirelli U. **J Clin Oncol** 1987 Apr; 5(4):679-80
Antiviral and antitumor effects of a human interferon analog, IFN-alpha Con 1, assessed in hamsters. Altrock BW, et al. **J Interferon Res** 1986 Aug;6(4):405-15
Non-Hodgkin's lymphomas. Management strategy and future research. Salem PA. **J Med Liban** 1986;36(3):107-15
High-dose therapy and autologous bone marrow transplantation after failure of conventional chemotherapy in adults with intermediate-grade or high-grade non-Hodgkin's lymphoma. Philip T, et al. **N Engl J Med** 1987 Jun 11;316(24):1493-8
Autologous bone marrow transplantation in non-Hodgkin's lymphoma [editorial] Rosenberg SA. **N Engl J Med** 1987 Jun 11;316(24):1541-2
Prolonged disease-free survival after autologous bone marrow transplantation in patients with non-Hodgkin's lymphoma with a poor prognosis. Takvorian T, et al. **N Engl J Med** 1987 Jun 11;316(24):1499-505
Advances in cancer: monoclonal antibody therapy of hematologic malignancies. Foon KA. **NJ Med** 1987 Apr; 84(4):269-74
High-dose therapy followed by autologous bone marrow transplantation (ABMT) in previously untreated non-Hodgkin's lymphoma. Tura S, et al. **Scand J Haematol** 1986 Oct;37(4):347-52
Practical approaches to the management of aggressive lymphomas in the community practice. Winokur SH. **Semin Hematol** 1987 Apr;24(2 Suppl 1):41-4
Alpha interferon treatment of low-grade B-cell non-Hodgkin's lymphomas, cutaneous T-cell lymphomas, and chronic lymphocytic leukemia. Foon KA, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 2):35-42 (43 ref.)
Neoplasms in the acquired immune deficiency syndrome: the multidisciplinary approach to treatment. Groopman JE. **Semin Oncol** 1987 Jun;14(2 Suppl 3):1-6
Alfa-2b interferon in the treatment of Hodgkin's disease and non-Hodgkin's lymphoma. Leavitt RD, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 2):18-23
Diffuse aggressive lymphomas: a curable subset of non-Hodgkin's lymphomas [published erratum appears in Semin Oncol 1987 Mar;14(1):lii] Skarin AT. **Semin Oncol** 1986 Dec;13(4 Suppl 5):10-25 (70 ref.)
Alpha-interferon in the treatment of nodular lymphomas. Urba WJ, et al. **Semin Oncol** 1986 Dec;13(4 Suppl 5):40-7 (37 ref.)
Central nervous system involvement in non-Hodgkin's lymphoma. Chung MY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Apr;86(4):378-84
[Clinical features and treatment results in 88 children with malignant lymphoma] Chen SB. **Chung Hua Chung Liu Tsa Chih** 1986 Sep;8(5):361-3 (Eng. Abstr.) **(Chi)**
[Allogenic bone marrow transplantation in acute leukemia and non-Hodgkin's malignant lymphoma] Jacobsen N, et al. **Ugeskr Laeger** 1987 Mar 2;149(10):643-8 (Eng. Abstr.) **(Dan)**
[Non-Hodgkin's malignant lymphomas of the nasopharynx. Apropos of 24 cases treated at the Institut Gustave-Roussy] Rahal M, et al. **Ann Otolaryngol Chir Cervicofac** 1987; 104(1):9-13 (Eng. Abstr.) **(Fre)**
[Acute leukemia in the child: quality of the "cure". Apropos of 41 cases] Rubie H, et al. **Arch Fr Pediatr** 1986 Jun-Jul; 43(6):395-400 (Eng. Abstr.) **(Fre)**
[Expansion of erythropoiesis and granulopoiesis after bone marrow grafts] Rio B, et al. **Nouv Rev Fr Hematol** 1986; 28(6):349-54 (Eng. Abstr.) **(Fre)**
[Strategies in the treatment of non-Hodgkin's lymphomas] Brittinger G, et al. **Internist (Berlin)** 1986 Aug;27(8):485-97 (65 ref.) **(Ger)**
[Total body irradiation in the conditioning of autologous bone marrow transplants in acute leukemias and lymphomas] Corvò R, et al. **Radiol Med (Torino)** 1986 Dec; 72(12):955-8 (Eng. Abstr.) **(Ita)**
[Non-Hodgkin's lymphoma. Extranodal localizations in the head and neck. Clinical and therapeutic evaluations] Maurizi Enrici R, et al. **Radiol Med (Torino)** 1987 Jul-Aug; 74(1-2):103-8 (Eng. Abstr.) **(Ita)**
[Primary lymphoma of the brain. Description of 5 clinical cases] Pogliani EM, et al. **Recenti Prog Med** 1987 Mar; 78(3):104-7 (Eng. Abstr.) **(Ita)**
[A preliminary study of chemo-interferon therapy in malignant lymphoma] Takeyama H, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):140-5 (Eng. Abstr.) **(Jpn)**
[Autologous bone marrow transplantation using the AAABC regimen in patients with malignant lymphoma] Takagi S, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2274-80 (Eng. Abstr.) **(Jpn)**
[Severe jaundice and hemophagocytic histiocytosis after autologous bone marrow transplantation in a patient with malignant lymphoma] Takagi S, et al. **Rinsho Ketsueki** 1987 Mar;28(3):446-50 (Eng. Abstr.) **(Jpn)**
[Treatment of non-Hodgkin's lymphoma in the aged—comparison with younger patients] Yoshida T, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2234-42 (Eng. Abstr.) **(Jpn)**
[Analysis of the course and treatment of primary non-Hodgkin's lymphoma of the gastrointestinal tract] Jarczok K, et al. **Pol Tyg Lek** 1987 Apr 13;42(15):435-8 (Eng. Abstr.) **(Pol)**
[Sarcoma and hematosarcoma of the colon] Popovici A, et al. **Rev Chir [Chir]** 1986 Nov-Dec;35(6):425-34 (Eng. Abstr.) **(Rum)**
[Effect of autonomic neural inhibition on the tumor process] Lian NV, et al. **Anesteziol Reanimatol** 1987 Mar-Apr; (2):28-9 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Primary extranodal soft tissue lymphoma of the extremities. Travis WD, et al. **Am J Surg Pathol** 1987 May;11(5):359-66
Lymphocyte nuclear morphology in diffuse well-differentiated lymphocytic lymphoma. Comparative morphometry of normal lymphoid tissues, non-Hodgkin's lymphoma, and Hodgkin's disease. Dardick I, et al. **Arch Pathol Lab Med** 1987 Feb;111(2):130-8
Follicular center cell lymphoma. Morphologic data relating to observer reproducibility. Dardick I, et al. **Cancer** 1986 Dec 1;58(11):2477-84
T-zone lymphoma with predominance of 'plasmacytoid T-cells' associated with myelomonocytic leukaemia—a distinct clinicopathological entity. Beiske K, et al. **J Pathol** 1986 Dec;150(4):247-55
Nucleolar organizer regions in lymphomas. Crocker J, et al. **J Pathol** 1987 Feb;151(2):111-8
An ultrastructural morphometric and immunophenotypic evaluation of Burkitt's and Burkitt's-like lymphomas. Payne CM, et al. **Lab Invest** 1987 Aug;57(2):200-18
[Malignant lymphomas with multilobulated cell nuclei] Metz KA, et al. **Pathologe** 1987 Jul;8(4):213-6 **(Ger)**
[Ultrastructure and surface architectonics of the lymph node cells in patients with malignant non-Hodgkin's lymphoma] Kozinets GI, et al. **Gematol Transfuziol** 1986 Aug; 31(8):11-3 (Eng. Abstr.) **(Rus)**

URINE

Cytologic detection of malignant lymphoma cells in urine and hydrocele fluid. Kotani H, et al. **Acta Cytol (Baltimore)** 1987 May-Jun;31(3):362-4
Urinary 6-keto-PGF1 alpha level in patients with childhood leukemia/lymphoma; a possible indicator of vascular damage. Morioka Y, et al. **Prostaglandins Leukotrienes Med** 1987 Jul;28(2):221-6

VETERINARY

Lymphosarcoma in pike-perch (Stizostedion lucioperca L.): a case report. Békési L, et al. **Acta Vet Hung** 1986; 34(1-2):101-2
Hepatopathy and lymphosarcoma in a mynah bird with excessive iron storage. Hill JE, et al. **Avian Dis** 1986 Jul-Sep;30(3):634-6
Metabolic activity of the Sticker's lymphosarcoma. Rosa CD, et al. **Int J Biochem** 1987;19(4):329-36
Primary spinal cord lymphosarcoma in a dog. Dallman MJ, et al. **J Am Vet Med Assoc** 1986 Nov 15;189(10):1348-9
Thymic lymphosarcoma in three heifers. Hatfield CE, et al. **J Am Vet Med Assoc** 1986 Dec 15;189(12):1598-9
Evaluation of some prognostic factors for advanced multicentric lymphosarcoma in the dog: 147 cases (1978-1981). MacEwen EG, et al. **J Am Vet Med Assoc** 1987 Mar 1;190(5):564-8
Intracranial lymphosarcoma in a Holstein bull. Sweeney RW, et al. **J Am Vet Med Assoc** 1986 Sep 1;189(5):555-6
Spontaneous lymphoid neoplasia in the koala (Phascolarctos cinereus). Canfield PJ, et al. **J Comp Pathol** 1987 Mar; 97(2):171-8
Three types of swine immunoglobulin-producing tumours: lymphoplasmacytic lymphosarcoma, immunoblastic lymphosarcoma and plasmacytoma. Kadota K, et al. **J Comp Pathol** 1986 Sep;96(5):541-50
No involvement of bovine leukemia virus in sporadic bovine lymphosarcoma. Ogawa Y, et al. **Microbiol Immunol** 1986; 30(7):697-701
Retroviral transduction of T-cell antigen receptor beta-chain and myc genes. Fulton R, et al. **Nature** 1987 Mar 12-18; 326(6109):190-4
Pathological studies on a case of bovine skin leukosis. Okada HM, et al. **Nippon Juigaku Zasshi** 1987 Jun;49(3):411-8
Primary lymphosarcoma of the brain in a dog. Umemura T, et al. **Nippon Juigaku Zasshi** 1987 Feb;49(1):169-71
Splenic lymphosarcoma in a stallion association with an acute abdominal crisis. Browning AP. **Vet Rec** 1986 Aug 23; 119(8):178-9
Immunoblastic lymphoma and cholangiocarcinoma in a cat. Chooi KF, et al. **Vet Rec** 1987 Jun 13;120(24):578-9

LYMPHOMA, UNDIFFERENTIATED

PATHOLOGY

Gastrointestinal Richter's syndrome [letter] Jasani B, et al. **Hum Pathol** 1986 Nov;17(11):1184

PHYSIOPATHOLOGY

[Pharyngeal tumor of malignant lymphoma type, spontaneously regressive, in infectious mononucleosis (letter)] Perronne C, et al. **Presse Med** 1986 Sep 27; 15(32):1644-5 **(Fre)**

LYMPHOMATOID GRANULOMATOSIS

COMPLICATIONS

Lymphomatoid granulomatosis associated with a carotid sinus fistula: response to cytotoxic therapy [letter] Rosenthal AK, et al. **Am J Med** 1987 Aug;83(2):381-2
Choroidal involvement in systemic necrotizing vasculitis. Kinyoun JL, et al. **Arch Ophthalmol** 1987 Jul;105(7):939-42
Pulmonary angiitis with atypical lymphoreticular infiltrates in Wiskott-Aldrich syndrome: possible relationship of lymphomatoid granulomatosis and EBV infection. Ilowite NT, et al. **Clin Immunol Immunopathol** 1986 Dec; 41(3):479-84
Asbestos related interstitial pneumonitis associated with glomerulonephritis and lymphomatoid granulomatosis. Cooke CT, et al. **Pathology** 1986 Jul;18(3):352-6
[Extravascular and perivascular granulomas and necrotizing vasculitis associated with hepatitis B antigen in the blood] Stamenkovic I, et al. **Ann Med Interne (Paris)** 1986; 137(8):663-5 (Eng. Abstr.) **(Fre)**
[Lymphomatoid granulomatosis with early skin involvement. Clinico-pathological study of a case] Guarch R, et al. **Sangre (Barc)** 1987;32(2):225-30 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Lymphomatoid granulomatosis. Presentation of 3 cases] Agustí C, et al. **Med Clin (Barc)** 1986 Nov 1;87(14):594-6 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Acyclovir in mycosis fungoides and lymphomatoid papulosis] Burg G, et al. **Hautarzt** 1986 Oct;37(10):533-6 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Lymphomatoid granulomatosis and the acquired immunodeficiency syndrome [letter] Montilla P, et al. **Ann Intern Med** 1987 Jan;106(1):166-7
Lymphomatoid papulosis, cutaneous T-cell lymphoma, and Hodgkin's disease: diseases of activated helper T cells? Fine RM. **Int J Dermatol** 1986 Dec;25(10):636-7

FAMILIAL & GENETIC

Chromosomal abnormalities in lymphogranulomatosis X (LgrX)/angioimmunoblastic lymphadenopathy (AILD). Gödde-Salz E, et al. **Leuk Res** 1987;11(2):181-90

IMMUNOLOGY

Natural killer cells and lymphomatoid granulomatosis [letter] Rongioletti F, et al. **Br J Dermatol** 1986 Oct;115(4):514-5

PATHOLOGY

Lymphomatoid granulomatosis-like lesions in malignant lymphoma. Nonomura A, et al. **Acta Pathol Jpn** 1986 Nov; 36(11):1617-26
Necrobiosis-lipoidica-like skin manifestation in lymphomatoid granulomatosis (Liebow). Akagi M, et al. **Dermatologica** 1987;174(2):84-92
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 40-1987. A seven-year-old boy with acute lymphocytic leukemia in remission, with abnormalities of the ears, paranasal sinuses, and lungs. **N Engl J Med** 1987 Oct 1;317(14):879-90
Lymphomatoid granulomatosis: a clinicopathologic study of 42 patients. Koss MN, et al. **Pathology** 1986 Jul;18(3):283-8
[Lymphocytic angiitis and granulomatosis of the lung] Tukiainen H, et al. **Duodecim** 1987;103(1):47-51 **(Fin)**
[Lymphomatoid granulomatosis] Schjølseth SA, et al. **Tidsskr Nor Laegeforen** 1986 Sep 10;106(25):2056-7, 2082 (Eng. Abstr.) **(Nor)**

SECONDARY

Bladder outlet obstruction by so-called lymphomatoid granulomatosis (angiocentric lymphoma). Feinberg SM, et al. **J Urol** 1987 May;137(5):989-90

SURGERY

[A case report of lymphomatoid granulomatosis] Okitsu H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Feb; 35(2):246-50 (Eng. Abstr.) **(Jpn)**

LYMPHOMATOSIS VIRUS, AVIAN see **AVIAN LEUKOSIS VIRUSES**

LYMPHOPENIA

see related
LYMPHOCYTE DEPLETION

CHEMICALLY INDUCED

Recombinant human alpha lymphotoxin (tumor necrosis factor-beta) induces peripheral neutrophilia and lymphopenia in the rat. Ulich TR, et al. **Am J Pathol** 1987 Jul;128(1):5-12

COMPLICATIONS

Squamous carcinoma of the anus in young homosexual men with T helper cell depletion. Howard LC, et al. **Genitourin Med** 1986 Dec;62(6):393-5

DIAGNOSIS

[Importance of the method of concentrating leukocytes in the early detection of acute leukemia in cytopenic states] Solovel DIa, et al. **Ter Arkh** 1986;58(9):34-6 **(Rus)**

DRUG THERAPY

[Immunocorrective therapy of patients with chronic active liver diseases of a viral nature] Mansurov KhKh, et al. **Ter Arkh** 1987;59(2):114-7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Postoperative lymphocytopenia and leucocytosis after epidural and general anaesthesia. Jakobsen BW, et al. **Acta Anaesthesiol Scand** 1986 Nov;30(8):668-71

The effect of cardiopulmonary bypass on T cells and their subpopulations. Ide H, et al. **Ann Thorac Surg** 1987 Sep; 44(3):277-82

The spectrum of HIV associated disease in a cohort of haemophiliacs [letter] Rugman FP, et al. **Br J Haematol** 1987 Jul;66(3):433-4

Influenza virus infection induces functional alterations in peripheral blood lymphocytes. Lewis DE, et al. **J Immunol** 1986 Dec 15;137(12):3777-81

Selective loss of suppressor T cells in rheumatoid arthritis patients: analysis of peripheral blood lymphocytes by 2-dimensional flow cytometry. Goto M, et al. **J Rheumatol** 1986 Oct;13(5):853-7

FAMILIAL & GENETIC

Defective humoral and cellular immune functions associated with veno-occlusive disease of the liver. Etzioni A, et al. **J Pediatr** 1987 Apr;110(4):549-54

Hypersensitivity of cells from a new chromosomal-breakage syndrome to DNA-damaging agents. Nove J, et al. **Mutat Res** 1986 Dec;163(3):255-62

IMMUNOLOGY

Significance of T-lymphocytes in wound healing. Peterson JM, et al. **Surgery** 1987 Aug;102(2):300-5

[Effect of T-cell mitogens and T-lymphocyte deficiency on splenic colony formation] Semina OV, et al. **Tsitologiia** 1986 Oct;28(10):1107-12 (Eng. Abstr.) **(Rus)**

[Humoral and cellular immunity changes in active rheumatic disease in the adult] Rivero S, et al. **Rev Med Chil** 1987 Jan;115(1):10-5 (Eng. Abstr.) **(Spa)**

LYMPHOPROLIFERATIVE DISORDERS

BLOOD

Lymphoproliferative disease in primary B-cell immunodeficiency. Lymphoplasmocytoid lymphoma or Sjögren's pseudo-lymphoma? Montecucco C, et al. **Haematologica (Pavia)** 1986 May-Jun;71(3):237-40

CHEMICALLY INDUCED

Posttransplantation cyclosporine-induced lymphoproliferative disorders: clinical and radiologic manifestations. Harris KM, et al. **Radiology** 1987 Mar; 162(3):697-700

COMPLICATIONS

Prevention and treatment of Epstein-Barr virus (EBV)-associated lymphoproliferative diseases in immune deficient patients. Purtilo DT. **AIDS Res** 1986 Dec;2 Suppl 1:S177-81

Epstein-Barr virus (EBV) and X-linked lymphoproliferative syndrome (XLP). Tatsumi E, et al. **AIDS Res** 1986 Dec; 2 Suppl 1:S109-13

Polyclonal polymorphic B-cell lymphoproliferative disorder with prominent pulmonary involvement in children with acquired immune deficiency syndrome. Joshi VV, et al. **Cancer** 1987 Apr 15;59(8):1455-62

Exacerbation of pulmonary lymphangioleiomyomatosis by exogenous estrogens. Shen A, et al. **Chest** 1987 May; 91(5):782-5

Biclonal gammopathy in a patient with lymphoproliferative disease and lung cancer. Mousavi MM. **Del Med J** 1987 Jun;59(6):389-91

Effects of thymopentin on the anaemia of chronic lymphoproliferative disorders [letter] Paladini G, et al. **Haematologica (Pavia)** 1986 Nov-Dec;71(6):519-20

Pulmonary lymphangiomyomatosis complicating pregnancy. A case report. Hughes E, et al. **J Reprod Med** 1987 Jul; 32(7):553-7

Lymphangiomyomatosis associated with chylous ascites and high serum CA-125 levels: a case report. Kanbe A, et al. **Jpn J Med** 1987 May;26(2):237-42

Lymphoproliferative disorder of the central nervous system in AIDS. Song SK, et al. **Mt Sinai J Med (NY)** 1986 Dec; 53(8):686-9

Concomitant infection with HTLV-I and HTLV-III in a patient with T8 lymphoproliferative disease. Harper ME, et al. **N Engl J Med** 1986 Oct 23;315(17):1073-8

Infection with HTLV-I and HTLV-III in T8 lymphoproliferative disease [letter] Mullin GE, et al. **N Engl J Med** 1987 May 21;316(21):1343

[Secondary immunodeficiencies] de Gast GC, et al. **Ned Tijdschr Geneeskd** 1986 Sep 13;130(37):1635-8 **(Dut)**

[Legionellosis in hematology] Elias E, et al. **Acta Clin Belg** 1986;41(3):173-80 (Eng. Abstr.) **(Fre)**

[Pulmonary lymphangiomyomatosis and renal angiomyolipoma. Apropos of 2 cases] Vincent A, et al. **Schweiz Med Wochenschr** 1987 Jun 20;117(25):958-63 (Eng. Abstr.) **(Fre)**

[Association of severe lymphoproliferative manifestations and HTLV-III (HIV) infection in 3 drug addicts] Cartón JA, et al. **Rev Clin Esp** 1987 Feb;180(2):90-2 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

A fatal lymphoproliferative disorder with a suppressor T-cell phenotype. Neoplastic, reactive, or both? Barr RD, et al. **Am J Pediatr Hematol Oncol** 1985 Summer;7(2):148-55

Diagnostic and prognostic value of immunohistological bone marrow examination: results in 212 patients with lymphoproliferative disorders. Thaler J, et al. **Blut** 1987 Apr;54(4):213-22

Ultrasonic evaluation of the scrotum in lymphoproliferative disease. Phillips G, et al. **J Ultrasound Med** 1987 Apr; 6(4):169-75

Increased porphobilinogen deaminase activity in patients with malignant lymphoproliferative diseases. A helpful diagnostic test. Lahav M, et al. **JAMA** 1987 Jan 2; 257(1):39-42

Pulmonary lymphangioleiomyomatosis complicated by pregnancy. Yockey CC, et al. **Kans Med** 1986 Oct; 87(10):277-8, 293

Non-tropical idiopathic splenomegaly and chronic T cell lymphocytosis. Rowbotham BJ, et al. **Pathology** 1986 Apr; 18(2):187-9

[Malignant disorders of the lymphatic system] Bast EJ, et al. **Ned Tijdschr Geneeskd** 1986 Sep 20;130(38):1695-9 **(Dut)**

[Diagnostic importance of the mouse erythrocyte receptor in lymphoproliferative syndromes] Laguna R, et al. **Rev Clin Esp** 1987 Jun;181(1):4-6 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Lymphangiomyomatosis: a report of three cases treated with tamoxifen. Clemm C, et al. **Klin Wochenschr** 1987 Apr 15; 65(8):391-3

Lymphangioleiomyomatosis: treatment with hormonal manipulation. Brock ET, et al. **NY State J Med** 1986 Oct; 86(10):533-6

Effects of oral dimethyl sulfoxide and dimethyl sulfone on murine autoimmune lymphoproliferative disease. Morton JI, et al. **Proc Soc Exp Biol Med** 1986 Nov;183(2):227-30

The efficacy and toxicity of VAD in the treatment of myeloma and related disorders. Sheehan T, et al. **Scand J Haematol** 1986 Nov;37(5):425-8

Lymphoproliferative disorder of large granular lymphocytes: reversal of lymphocyte proliferation, anemia and neutropenia with chlorambucil. Pedrazzoli P, et al. **Tumori** 1987 Apr 30;73(2):117-9

[The pros and cons of chemotherapy for hematologic malignancies] Ruutu T. **Duodecim** 1986;102(16):1138-42 **(Fin)**

ENZYMOLOGY

Uracil-DNA glycosylase activity in chronic lymphoproliferative disorders. Koistinen P, et al. **Leuk Res** 1986;10(11):1307-11

[Significance of terminal deoxynucleotidyl transferase in lymphoproliferative diseases] Telek B, et al. **Orv Hetil** 1986 Dec 28;127(52):3183-6 (Eng. Abstr.) **(Hun)**

ETIOLOGY

Unusual lymphoproliferation associated with chronic active Epstein-Barr virus infection. Okano M, et al. **AIDS Res** 1986 Dec;2 Suppl 1:S121-3

Malignant granular lymphoproliferation after Epstein-Barr virus infection: partial immunologic reconstitution with interleukin-2. Aronson FR, et al. **Am J Hematol** 1987 Aug; 25(4):427-39

Fatal case of Epstein-Barr virus-induced lymphoproliferative disorder associated with a human immunodeficiency virus infection. Beissner RS, et al. **Arch Pathol Lab Med** 1987 Mar;111(3):250-3

Retroviruses and lymphoproliferative disease. Solomon AR. **Dermatol Clin** 1985 Oct;3(4):615-27 (132 ref.)

B-cell lymphoproliferative disorders in children after bone marrow transplantation: radiologic manifestations. Day DL, et al. **Radiology** 1987 Mar;162(3):807-10

Lymphoproliferative disorders in Japanese patients with Sjögren's syndrome. Sugai S, et al. **Scand J Rheumatol [Suppl]** 1986;61:118-22

FAMILIAL & GENETIC

The arrangement of immunoglobulin and T cell receptor genes in human lymphoproliferative disorders. Waldmann TA. **Adv Immunol** 1987;40:247-321 (350 ref.)

Immunoregulatory T cells in males vulnerable to Epstein-Barr virus with the X-linked lymphoproliferative syndrome. Lai PK, et al. **Am J Pediatr Hematol Oncol** 1987 Summer;9(2):179-82

Epstein-Barr virus infections in males with the X-linked lymphoproliferative syndrome. Grierson H, et al. **Ann Intern Med** 1987 Apr;106(4):538-45

Molecular genetic rearrangements distinguish pre- and post-bone marrow transplantation lymphoproliferative processes. Miller WJ, et al. **Blood** 1987 Sep;70(3):882-5

Malignant lymphoma in the X-linked lymphoproliferative syndrome. Harrington DS, et al. **Cancer** 1987 Apr 15; 59(8):1419-29

Familial malignant blood disease in the country of Jämtland, Sweden. Eriksson M, et al. **Eur J Haematol** 1987 Mar; 38(3):241-5

The incongruous Ly-5 phenotype of lpr/lpr and gld/gld T cells. Tung JS, et al. **Immunogenetics** 1987;25(2):126-9

Practical value of genotypic analysis for diagnosing lymphoproliferative disorders. O'Connor NT, et al. **J Clin Pathol** 1987 Feb;40(2):147-50

Mapping the X-linked lymphoproliferative syndrome. Skare JC, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):2015-8

Genotypic analyses of cyclosporine-associated lymphoproliferations. Nalesnik MA, et al. **Transplantation** 1987 Apr;43(4):592-3

[X-linked lymphoproliferative disorder (Duncan's syndrome). 2 possible clinical cases] Aricò M, et al. **Minerva Pediatr** 1987 May 15;39(9):377-83 (Eng. Abstr.) **(Ita)**

[Heterogeneity of T gamma-lymphoproliferative disorder--case report and review of the literature] Hara J, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2325-32 (13 ref.) (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Cerebrospinal fluid immunoglobulins and beta 2-microglobulin in lymphoproliferative and other neoplastic diseases of the central nervous system. Ernerudh J, et al. **Arch Neurol** 1987 Sep;44(9):915-20

Diagnostic use of immunoglobulin and T-cell receptor gene rearrangements in lymphoproliferative disease. Story CJ, et al. **Aust NZ J Med** 1987 Feb;17(1):1-8

Lymphocyte markers and clinical expression of lymphoproliferative disorders with moderate lymphocytosis. Economidou J, et al. **Br J Cancer** 1986 Oct; 54(4):651-6

Effect of xid on autoimmune C3H-gld/gld mice. Seldin MF, et al. **Cell Immunol** 1987 Jun;107(1):249-55

Expression of FMC7 antigen and tartrate-resistant acid phosphatase isoenzyme in cases of B-lymphoproliferative diseases. Drexler HG, et al. **Eur J Cancer Clin Oncol** 1987 Jan;23(1):61-8

Familial erythrophagocytic lymphohistiocytosis: surface marker analysis using monoclonal antibodies. Ishii E, et al. **Eur J Haematol** 1987 Jan;38(1):63-6

Immunohistology of pityriasis lichenoides et varioliformis acuta and pityriasis lichenoides chronica. Evidence for their interrelationship with lymphomatoid papulosis. Wood GS, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):559-70

Rearrangement of the beta chain of the T cell antigen receptor and immunoglobulin genes in lymphoproliferative disorders. Griesser H, et al. **J Clin Invest** 1986 Nov; 78(5):1179-84

Selective elimination of non-lpr lymphoid cells in mice undergoing lpr-mediated graft-vs-host disease. Perkins DL, et al. **J Immunol** 1987 Sep 1;139(5):1406-13

Unresponsiveness of MRL/MP-lpr/lpr mice to antigen given subcutaneously in adjuvant: partial restoration of response after local injection of B cells. Ron Y, et al. **J Immunol** 1987 Jul 15;139(2):400-5

Autoreactivity accelerates the development of autoimmunity and lymphoproliferation in MRL/Mp-lpr/lpr mice. Weston KM, et al. **J Immunol** 1987 Aug 1;139(3):734-42

Antibody reactivity to a synthetic peptide (P62) of the Epstein-Barr nuclear antigen in sera of patients with X-linked lymphoproliferative syndrome. Thiele G, et al. **J Immunol Methods** 1987 Jun 26;100(1-2):249-59

Granulomatous slack skin: clonal rearrangement of the T-cell receptor beta gene is evidence for the lymphoproliferative nature of a cutaneous elastolytic disorder. LeBoit PE, et al. **J Invest Dermatol** 1987 Aug;89(2):183-6

Abnormal tyrosine phosphorylation on T-cell receptor in lymphoproliferative disorders. Samelson LE, et al. **Nature** 1986 Dec 18-31;324(6098):674-6

Immunological functions and T-cell receptor gene rearrangement of proliferating lymphocytes in a case of T gamma lymphocytosis with neutropenia. Okabe M, et al. **Tohoku J Exp Med** 1987 Jan;151(1):105-15

[Pathophysiological studies on immunoglobulin production by lymphocyte culture in vitro] Kurata T. **Fukuoka Igaku Zasshi** 1986 Aug;77(8):408–18 (Eng. Abstr.) **(Jpn)**

[The study of intracellular immunoglobulins by the immunoperoxidase method in lymphoproliferative diseases] Soboleva TN, et al. **Gematol Transfuziol** 1986 Aug; 31(8):27–33 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Isolation of a new virus, HBLV, in patients with lymphoproliferative disorders. Salahuddin SZ, et al. **Science** 1986 Oct 31;234(4776):596–601

OCCURRENCE

Incidence of hematopoietic malignancies in a well-defined population in France. Carli PM, et al. **Oncology** 1986; 43(6):354–7

PATHOLOGY

Distribution of lymphocytes with interleukin-2 receptors (TAC antigens) in reactive lymphoproliferative processes, Hodgkin's disease, and non-Hodgkin's lymphomas. An immunohistologic study of 300 cases. Sheibani K, et al. **Am J Pathol** 1987 Apr;127(1):27–37

IL-2 receptor expression in human lymphoid lesions. Immunohistochemical study of 166 cases. Strauchen JA, et al. **Am J Pathol** 1987 Mar;126(3):506–12

Lymphangioleiomyomatosis. A case report with an immunohistochemical study. Schiavina M, et al. **Appl Pathol** 1986;4(3):170–4

Immunoblastic lymphadenopathy, angioimmunoblastic lymphadenopathy, and IBL-like T-cell lymphoma. A spectrum of T-cell neoplasia. Watanabe S, et al. **Cancer** 1986 Nov 15;58(10):2224–32

Thymic lesions in fatal infectious mononucleosis. Mroczek EC, et al. **Clin Immunol Immunopathol** 1987 May; 43(2):243–55

Immunophenotypes in "well-differentiated" lymphoproliferative disorders, with emphasis on small lymphocytic lymphoma. Spier CM, et al. **Hum Pathol** 1986 Nov;17(11):1126–36

A long-term clinicopathologic survey of patients with Jessner's lymphocytic infiltration of the skin. Konttinen YT, et al. **J Invest Dermatol** 1987 Aug;89(2):205–8

Benign lymphoid hyperplasia of the palate. Bradley G, et al. **J Oral Pathol** 1987 Jan;16(1):18–26

Ultrastructural morphology of granular lymphocytes (GL) from patients with immunophenotypically homogeneous expansions of GL populations (GLE). Prasthofer EF, et al. **J Submicrosc Cytol** 1987 Apr;19(2):345–54

Lymphoproliferative disorders [editorial] Pontes JE, et al. **J Urol** 1987 May;137(5):958

CD16+ NK lymphoproliferative disorders: cellular and molecular characterization. Landay A, et al. **Nat Immun Cell Growth Regul** 1987;6(3):141–9

Orbital lymphoid tumors located predominantly within extraocular muscles. Hornblass A, et al. **Ophthalmology** 1987 Jun;94(6):688–97

[A case of diffuse pulmonary hamartoangiomyomatosis] Aoki S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Aug; 24(8):900–5 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Spontaneous growth of colonies with mature T lineage phenotype from T-cell-depleted bone marrow precursors in a patient with a lymphoproliferative disorder of the large granular lymphocytes. Pistoia V, et al. **Nat Immun Cell Growth Regul** 1987;6(1):37–44

Large granular lymphocyte/natural killer cell proliferative disease: clinical and laboratory heterogeneity. Bassan R, et al. **Scand J Haematol** 1986 Aug;37(2):91–6

RADIOGRAPHY

Diagnostic approach to pulmonary lymphangioleiomyomatosis. Case report. Bertolani M, et al. **Eur J Radiol** 1987 Feb;7(1):60–2

THERAPY

A randomized prospective comparison of chemotherapy to total body irradiation as initial treatment for the indolent lymphoproliferative diseases. Jacobs P, et al. **Blood** 1987 Jun;69(6):1642–6

[Autologous bone marrow transplantation in malignant lymphohematopoietic diseases] Körbling M, et al. **Ter Arkh** 1986;58(9):23–9 **(Rus)**

VETERINARY

Characterisation of lymphoproliferative disease virus of turkeys. Structural polypeptides of the C-type particles. Patel JR, et al. **Arch Virol** 1987;95(3–4):159–76

Chronic inflammatory and lymphoproliferative lesions of the equine small intestine. Platt H. **J Comp Pathol** 1986 Nov; 96(6):671–84

Utilization of cytoplasmic lysozyme immunoreactivity as a histiocytic marker in canine histiocytic disorders. Moore PF. **Vet Pathol** 1986 Nov;23(6):757–62

LYMPHOSARCOMA see LYMPHOMA, NON-HODGKIN'S

LYMPHOTOXINS

A novel method of protein analysis for prediction of biological function: application to tumor toxins. Veljković V, et al. **Cancer Biochem Biophys** 1987 May;9(2):139–48

Re: Leukoregulin, a direct-acting anticancer immunological hormone that is distinct from lymphotoxin and interferon [letter] Doyle MV, et al. **Cancer Res** 1987 Feb 1;47(3):914–7

BIOSYNTHESIS

Identification of cells producing anti-treponemal lymphotoxin (ATL). Podwińska J. **Arch Immunol Ther Exp (Warsz)** 1987;35(1):63–70

Production of lymphotoxin and tumour necrosis factor by a T-cell hybridoma. Kobayashi Y, et al. **Immunology** 1987 Feb;60(2):213–7

Independent regulation of tumor necrosis factor and lymphotoxin production by human peripheral blood lymphocytes. Cuturi MC, et al. **J Exp Med** 1987 Jun 1; 165(6):1581–94

Production of lymphotoxin, a bone-resorbing cytokine, by cultured human myeloma cells. Garrett IR, et al. **N Engl J Med** 1987 Aug 27;317(9):526–32

[Relation between the clinical course of acute myocardial infarction and specific sensitization of lymphocytes and lymphotoxin production] Uuskiula MM, et al. **Kardiologiia** 1987 Feb;27(2):57–60 (Eng. Abstr.) **(Rus)**

BLOOD

Lymphocytotoxins in vasculitis. Correlation with clinical manifestations and laboratory variables. Pruzanski W, et al. **J Rheumatol** 1986 Dec;13(6):1066–71

Normal human serum also contains the lymphotoxin found in minimal change nephropathy. Thomson NM, et al. **Kidney Int** 1987 May;31(5):1186–93

GENETICS

Cloning and expression of human lymphotoxin mRNA derived from a human T cell hybridoma. Kobayashi Y, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):727–33

Mouse lymphotoxin and tumor necrosis factor: structural analysis of the cloned genes, physical linkage, and chromosomal position. Gardner SM, et al. **J Immunol** 1987 Jul 15;139(2):476–83

Cloning and expression of murine lymphotoxin cDNA. Li CB, et al. **J Immunol** 1987 Jun 15;138(12):4496–501

Tumour necrosis factor and lymphotoxin genes map close to H-2D in the mouse major histocompatibility complex. Müller U, et al. **Nature** 1987 Jan 15–21;325(6101):265–7

The genes for tumor necrosis factor (TNF-alpha) and lymphotoxin (TNF-beta) are tandemly arranged on chromosome 17 of the mouse. Nedospasov SA, et al. **Nucleic Acids Res** 1986 Oct 10;14(19):7713–25

PHARMACODYNAMICS

Recombinant human alpha lymphotoxin (tumor necrosis factor-beta) induces peripheral neutrophilia and lymphopenia in the rat. Ulich TR, et al. **Am J Pathol** 1987 Jul;128(1):5–12

Diversity of the effect of recombinant tumor necrosis factors alpha and beta on human myelogenous leukemia cell lines. Beran M, et al. **Blood** 1987 Mar;69(3):721–6

Interferon gamma and lymphotoxin or tumor necrosis factor act synergistically to induce macrophage killing of tumor cells and schistosomula of Schistosoma mansoni. Esparza I, et al. **J Exp Med** 1987 Aug 1;166(2):589–94

Tumor necrosis factor and lymphotoxin induce differentiation of human myeloid cell lines in synergy with immune interferon. Trinchieri G, et al. **J Exp Med** 1986 Oct 1; 164(4):1206–25

The differential inhibition of hemopoietic growth factor activity by cytotoxins and interferon-gamma. Barber KE, et al. **J Immunol** 1987 Aug 15;139(4):1108–12

Resistance to the cytolytic action of lymphotoxin and tumor necrosis factor coincides with the presence of gap junctions uniting target cells. Fletcher WH, et al. **J Immunol** 1987 Aug 1;139(3):956–62

Lymphotoxin: induction of terminal differentiation of the human myeloid leukemia cell lines HL-60 and THP-1. Hemmi H, et al. **J Immunol** 1987 Feb 1;138(3):664–6

Immune interferon enhances functional properties of human granulocytes: role of Fc receptors and effect of lymphotoxin, tumor necrosis factor, and granulocyte-macrophage colony-stimulating factor. Perussia B, et al. **J Immunol** 1987 Feb 1;138(3):765–74

Activation of cultured human endothelial cells by recombinant lymphotoxin: comparison with tumor necrosis factor and interleukin 1 species. Pober JS, et al. **J Immunol** 1987 May 15;138(10):3319–24

Synergistic interactions between interleukin 1, tumor necrosis factor, and lymphotoxin in bone resorption. Stashenko P, et al. **J Immunol** 1987 Mar 1;138(5):1464–8

Human alpha lymphotoxin (LT): studies examining the mechanism(s) of LT-induced inflammation and tumor destruction in vivo. Jeffes EW 3d, et al. **Lymphokine Res** 1987 Spring;6(2):141–9

Target cell DNA fragmentation is mediated by lymphotoxin and tumor necrosis factor. Schmid DS, et al. **Lymphokine Res** 1987 Summer;6(3):195–202

HLA class II induction in human islet cells by interferon-gamma plus tumour necrosis factor or lymphotoxin. Pujol-Borrell R, et al. **Nature** 1987 Mar 19–25;326(6110):304–6

Potentiation of cytotoxic effect of lymphotoxin by anti-cancer drugs and elevated temperatures. Pichyangkul S, et al. **Proc Soc Exp Biol Med** 1986 Nov;183(2):231–6

PHYSIOLOGY

The role of lymphotoxin in T-cell-mediated cytotoxicity. Ruddle NH, et al. **Ann Inst Pasteur Immunol** 1987 Mar-Apr;138(2):314–20

Cytotoxins (tumour necrosis factor, lymphotoxin and others): molecular and functional characteristics and interactions with interferons. Wallach D. **Interferon** 1986;7:89–124 (128 ref.)

Analysis of cytostatic/cytotoxic lymphokines: relationship of natural killer cytotoxic factor to recombinant lymphotoxin, recombinant tumor necrosis factor, and leukoregulin. Ortaldo JR, et al. **J Immunol** 1986 Nov 1;137(9):2857–63

Studies on the mechanism of natural killer cell-mediated cytotoxicity. VII. functional comparison of human natural killer cytotoxic factors with recombinant lymphotoxin and tumor necrosis factor. Wright SC, et al. **J Immunol** 1987 Mar 15;138(6):1791–8

SECRETION

Lymphotoxin activity of regional lymph nodes of cancer patients and its relation to stages of cancer and the regulatory role of macrophages. Matsunaga K, et al. **Invasion Metastasis** 1987;7(1):41–52

Human T cell hybridomas producing cytotoxic lymphokines: induction of lymphotoxin release and killer cell activity by anti-CD3 monoclonal antibody or lectins and phorbol ester. Ware CF, et al. **Lymphokine Res** 1986 Fall; 5(4):313–24

THERAPEUTIC USE

Lymphokines and monokines in anti-cancer therapy. Fiers W, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:587–95

TOXICITY

Early transmembrane events in tumor necrosis factor and lymphotoxin-induced cytotoxicity. Kobayashi Y, et al. **Immunol Lett** 1987 May;15(1):53–7

LYNESTRENOL

ADVERSE EFFECTS

Oral contraceptive induced paraballism. Driesen JJ, et al. **Clin Neurol Neurosurg** 1987;89(1):49–51

Bilateral ballism induced by oral contraceptives. A case report [letter] Driesen JJ, et al. **J Neurol** 1986 Nov; 233(6):379

THERAPEUTIC USE

The effect of oral contraceptives on hormone profiles of oligomenorrheic adolescent cycles. Siegberg R, et al. **Contraception** 1987 Jan;35(1):29–40

[Treatment of mastopathies with cyclic mastodynia. Clinical results and hormonal profiles] Kubista E, et al. **Rev Fr Gynecol Obstet** 1987 Apr;82(4):221–7 (Eng. Abstr.) **(Fre)**

LYNGBYA TOXINS

Tumor promoting activity of teleocidin in skin and forestomach of mice initiated transplacentally with 7,12-dimethylbenz(a)anthracene. Suganuma M, et al. **J Cancer Res Clin Oncol** 1987;113(2):123–5

Synthetic analogues (indolactams) of (–)-indolactam-V are new congeners of the teleocidin class of tumor promoters. Hirota M, et al. **Jpn J Cancer Res** 1987 Jun;78(6):577–82

ANALYSIS

The structures of additional teleocidin class tumor promoters. Sakai S, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov; 34(11):4883–6

PHARMACODYNAMICS

Effects of teleocidin on the morphology and c-myc expression of hepatoma cells which are not inhibited by protein kinase antagonists. Kaneko Y, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):549–55

Analysis of tumor-promoter-induced inflammation in rats: participation of histamine and prostaglandin E2. Ohuchi K, et al. **Biochim Biophys Acta** 1987 Aug 13;925(2):156–63

Colony formation enhancement of rat tracheal and nasal epithelial cells by polyacetate, indole alkaloid, and phorbol ester tumor promoters. Mass MJ, et al. **Carcinogenesis** 1987 Jan;8(1):179–81

The biological activity of hydrogen peroxide. III. Induction of Epstein-Barr virus via indirect action, as compared with TPA and teleocidin. Oya Y, et al. **Int J Cancer** 1987 Jul 15;40(1):69–73

Effects of tumor promoters (mezerein, teleocidin and palytoxin) on growth hormone secretion from rat anterior

pituitary cells cultured in monolayer. Ohmura E, et al. **Life Sci** 1987 Aug 10;41(6):691–6

Oncogene-induced transformation of a rat embryo fibroblast cell line is enhanced by tumor promoters. Hsiao WL, et al. **Mol Cell Biol** 1986 Jun;6(6):1943–50

High- and low-affinity receptors regulate platelet responses to phorbol diesters and teleocidin. Cech P, et al. **Thromb Res** 1987 Mar 15;45(6):827–37

TOXICITY

Structure-activity studies of the indole alkaloid tumor promoter teleocidins. Irie K, et al. **Carcinogenesis** 1987 Apr; 8(4):547–52

LYOMIS see **PERCIFORMES**

LYOPHILIZATION see **FREEZE DRYING**

LYPRESSIN

A randomized trial of Citanest with Octapressin for relief of pain associated with laser vaporization of the cervix. Lee ET, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):967–9

ADVERSE EFFECTS

[Remestyp Spofa and ischemic liver damage] Olejník J, et al. **Rozhl Chir** 1987 Jun;66(6):413–6 (Eng. Abstr.) **(Slo)**

ANALOGS & DERIVATIVES

Hemostasis in cold-knife conization. Effects and side effects of Glypressin, a long-acting analogue of lysine-vasopressin. Irestedt L, et al. **Acta Obstet Gynecol Scand** 1986; 65(7):717–9

Effects of glypressin on human nasal mucosa. Bende M, et al. **Acta Otolaryngol (Stockh)** 1986 Nov–Dec; 102(5–6):488–93

Effects of triglycyl-lysine-vasopressin on cardiovascular responses to orthostatic stress. Baer R, et al. **Clin Physiol** 1987 Aug;7(4):329–35

Ischaemic colitis in a patient treated with glypressin for bleeding oesophageal varices. Schmitt W, et al. **Hepatogastroenterology** 1987 Jun;34(3):134–6

Cell specificity of vasopressin binding in renal collecting duct: computer-enhanced imaging of a fluorescent hormone analog. Kirk KL, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):6000–4

[Effect of glycylpressin on pressure in esophageal varices in patients with liver cirrhosis and previous hemorrhaging varices] Staritz M, et al. **Dtsch Med Wochenschr** 1987 Aug 21;112(34):1292–5 (Eng. Abstr.) **(Ger)**

[Effect of an analog of vasopressin on the fixation of temporary connections in the intact rat and after destruction of the locus coeruleus] Kruglikov RI, et al. **Zh Vyssh Nerv Deiat** 1987 Jan–Feb;37(1):95–9 (Eng. Abstr.) **(Rus)**

BLOOD

Vasopressin responses to asphyxia and hemorrhage in newborn pigs. Leffler CW, et al. **Am J Physiol** 1987 Jan; 252(1 Pt 2):R122–6

Separate mechanisms for central osmotically-induced drinking and vasopressin release in minipigs. Thornton SN, et al. **Physiol Behav** 1987;39(4):541–5

PHARMACODYNAMICS

Secretion of adrenocorticotropin, beta-endorphin and calcitonin by cultured medullary thyroid carcinoma cells. Effects of synthetic corticotropin-releasing factor and lysine vasopressin. Oosterom R, et al. **Acta Endocrinol (Copenh)** 1986 Sep;113(1):65–72

Cross talk between stimulatory and inhibitory guanosine 5'-triphosphate binding proteins: role in activation and desensitization of the adenylate cyclase response to vasopressin. Skorecki KL, et al. **Biochemistry** 1987 Jan 27; 26(2):639–45

Lysine-vasopressin does not affect basal and LH-RH-stimulated LH and FSH release during the menstrual cycle of normal women. Chiodera P, et al. **Gynecol Obstet Invest** 1987;24(1):56–61

Opposite effects of intraventricular and intracisternal administration of vasopressin on blood pressure in rats. Günther O, et al. **Peptides** 1986 May–Jun;7(3):539–40

Human pain thresholds after the application of lypressin, a vasopressin analogue. Kemppainen P, et al. **Pharmacol Toxicol** 1987 Jul;61(1):16–9

[Influence of antianginal drugs on Lypressin induced T-wave enhancement in the electrocardiogram of the rat] Leitold M, et al. **Arzneimittelforschung** 1986 Oct;36(10):1454–7 (Eng. Abstr.) **(Ger)**

[Action of vasopressin on the electrical and contractile reactions of vascular smooth muscles in animals of various ages] Frol'kis IV. **Biull Eksp Biol Med** 1987 Feb; 103(2):133–5 (Eng. Abstr.) **(Rus)**

[Effect of neurohypophyseal peptides on the formation of a conditioned feeding reflex in the rat] Gasanov GG, et al. **Zh Vyssh Nerv Deiat** 1986 Sep–Oct;36(5):905–12 (Eng. Abstr.) **(Rus)**

SECRETION

Adrenergic mediation of vasopressin secretion in newborn pigs. Leffler CW, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):R489–93

THERAPEUTIC USE

Hemostasis in cold-knife conization. Effects and side effects of Glypressin, a long-acting analogue of lysine-vasopressin. Irestedt L, et al. **Acta Obstet Gynecol Scand** 1986; 65(7):717–9

Effects of neurohypophyseal peptide hormones on alcohol dependence and withdrawal. Szabó G, et al. **Alcohol Alcohol** 1987;22(1):71–4

LYSERGIC ACID see under **ERGOLINES**

LYSERGIC ACID DIETHYLAMIDE

Relief of obsessive-compulsive symptoms by LSD and psilocin [letter] Leonard HL, et al. **Am J Psychiatry** 1987 Sep;144(9):1239–40

A brief family intervention with an adolescent referred for drug taking. Seligman P. **J Adolesc** 1986 Sep;9(3):231–42

ANALOGS & DERIVATIVES

Schistosoma mansoni: effects of bromolysergic acid diethylamide, verapamil, and Ca2+-free solution on the motor activity of the isolated male worm induced by electrical stimulation and oxamniquine. Soares de Moura R, et al. **Exp Parasitol** 1987 Apr;63(2):173–9

N1-methyl-2-125I-lysergic acid diethylamide, a preferred ligand for in vitro and in vivo characterization of serotonin receptors. Hoffman BJ, et al. **J Neurochem** 1987 Jan; 48(1):115–24

ANALYSIS

The development and evaluation of a 125I radioimmunoassay for the measurement of LSD in body fluids. Stead AH, et al. **Forensic Sci Int** 1986 Aug–Sep;32(1):49–60

HISTORY

"More than medical significance": LSD and American psychiatry 1953 to 1966. Neill JR. **J Psychoactive Drugs** 1987 Jan–Mar;19(1):39–45

METABOLISM

Chronic imipramine treatment reduces (+)2-[125I]iodolysergic acid, diethylamide but not 125I-neuropeptide Y binding in layer IV of rat cerebral cortex. Cummins JT, et al. **Neurosci Lett** 1987 Mar 31; 75(2):152–6

[125I]LSD labels 5-HT1C recognition sites in pig choroid plexus membranes. Comparison with [3H]mesulergine and [3H]5-HT binding. Hoyer D, et al. **Neurosci Lett** 1986 Sep 12;69(3):269–74

PHARMACODYNAMICS

A proposed animal model for hallucinogens based on LSD's effects on patterns of exploration in rats. Adams LM, et al. **Behav Neurosci** 1985 Oct;99(5):881–900

A simple organ bath for electrical stimulation and superfusion of rat brain slices. Hoffman AJ, et al. **J Pharmacol Methods** 1986 Nov;16(3):185–99

Effects on in vitro brain protein synthesis of a translational inhibitor isolated from rabbit brain following intravenous administration of LSD. Fleming SW, et al. **Neurochem Res** 1987 Apr;12(4):323–9

Changes in body temperature after administration of antipyretics, LSD, delta 9-THC and related agents: II. Clark WG. **Neurosci Biobehav Rev** 1987 Spring;11(1):35–96 (632 ref.)

The effects of intracranial administration of hallucinogens on operant behavior in the rat. I. Lysergic acid diethylamide. Mokler DJ, et al. **Pharmacol Biochem Behav** 1986 Oct;25(4):717–25

Neuropharmacological reassessment of the discriminative stimulus properties of d-lysergic acid diethylamide (LSD). Cunningham KA, et al. **Psychopharmacology (Berlin)** 1987; 91(1):67–73

LYSERGIDE see **LYSERGIC ACID DIETHYLAMIDE**

LYSINE

The molecular dynamics of actin measured by a spin probe attached to lysine. Waring AJ, et al. **Arch Biochem Biophys** 1987 Jan;252(1):197–205

Substitution of an arginyl residue for the active site lysyl residue (Lys258) of aspartate aminotransferase. Kuramitsu S, et al. **Biochem Biophys Res Commun** 1987 Jul 31; 146(2):416–21

Quenching of the fluorescence of actin modified at lysine-61. Burtnick LD. **Biochem Int** 1987 Mar;14(3):547–51

Comparison of enzymatic and pharmacological activities of lysine-49 and aspartate-49 phospholipases A2 from Agkistrodon piscivorus piscivorus snake venom. Dhillon DS, et al. **Biochem Pharmacol** 1987 May 15;36(10):1723–30

Selective alteration of substrate specificity by replacement of aspartic acid-189 with lysine in the binding pocket of trypsin. Graf L, et al. **Biochemistry** 1987 May 5; 26(9):2616–23

Covalent coupling of the variable loop of the elongator methionine tRNA to a specific lysine residue in Escherichia coli methionyl-tRNA synthetase. Leon O, et al. **Biochemistry** 1987 Apr 7;26(7):1933–40

Topography of the high-affinity lysine binding site of plasminogen as defined with a specific antibody probe. Miles LA, et al. **Biochemistry** 1986 Nov 4;25(22):6926–33

Location of lysine-beta 162 in mitochondrial F1-adenosinetriphosphatase. Wu JC, et al. **Biochemistry** 1986 Dec 2;25(24):7991–5

A strong carboxylate-arginine interaction is important in substrate orientation and recognition in lactate dehydrogenase. Hart KW, et al. **Biochim Biophys Acta** 1987 Aug 21;914(3):294–8

The recovery of the polymerizability of Lys-61-labelled actin by the addition of phalloidin. Fluorescence polarization and resonance-energy-transfer measurements. Miki M. **Eur J Biochem** 1987 Apr 1;164(1):229–35

Methylation in vivo of elongation factor EF-Tu at lysine-56 decreases the rate of tRNA-dependent GTP hydrolysis. Van Noort JM, et al. **Eur J Biochem** 1986 Nov 3; 160(3):557–61

Acetone/periodate-lysine-paraformaldehyde (PLP) fixation and improved morphology of cryostat sections for immunohistochemistry. Hall PA, et al. **Histopathology** 1987 Jan;11(1):93–101

Reactivity of consecutive basic amino acid residues in peptides. Bayle-Lacoste M, et al. **Int J Pept Protein Res** 1987 Mar;29(3):392–405

Roles of lysine1 and lysine7 residues of bovine pancreatic ribonuclease in the enzymatic activity. Irie M, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):1057–63

The conformation of the lysyl side chain of substrates at the active center of trypsin. Mizusaki K, et al. **J Biochem (Tokyo)** 1986 Jul;100(1):21–5

Enzymes that process somatostatin precursors. A novel endoprotease that cleaves before the arginine-lysine doublet is involved in somatostatin-28 convertase activity of rat brain cortex. Gluschankof P, et al. **J Biol Chem** 1987 Jul 15;262(20):9615–20

Function of Lys-166 of Rhodospirillum rubrum ribulosebisphosphate carboxylase/oxygenase as examined by site-directed mutagenesis. Hartman FC, et al. **J Biol Chem** 1987 Mar 15;262(8):3496–501

Replacement of the invariant lysine 77 by arginine in yeast iso-1-cytochrome c results in enhanced and normal activities in vitro and in vivo. Holzschu D, et al. **J Biol Chem** 1987 May 25;262(15):7125–31

Characterization of recombinant human single chain urokinase-type plasminogen activator mutants produced by site-specific mutagenesis of lysine 158. Nelles L, et al. **J Biol Chem** 1987 Apr 25;262(12):5682–9

Identification of a lysyl residue in antithrombin which is essential for heparin binding. Peterson CB, et al. **J Biol Chem** 1987 Jun 15;262(17):8061–5

Oxidation of human low density lipoprotein results in derivatization of lysine residues of apolipoprotein B by lipid peroxide decomposition products. Steinbrecher UP. **J Biol Chem** 1987 Mar 15;262(8):3603–8

[1-Desamino, 7-lysine, 8-arginine]vasotocin: attachment of reporter groups and affinity ligands through the lysine side chain. Buku A, et al. **J Med Chem** 1987 Aug;30(8):1526–9

Inhibition of aspartic proteinases by peptides containing lysine and ornithine side-chain analogues of statine. Salituro FG, et al. **J Med Chem** 1987 Feb;30(2):286–95

Extensive mutagenesis of the nuclear location signal of simian virus 40 large-T antigen. Colledge WH, et al. **Mol Cell Biol** 1986 Nov;6(11):4136–9

Neither arginine nor histidine can carry out the function of lysine-295 in the ATP-binding site of p60src. Kamps MP, et al. **Mol Cell Biol** 1986 Mar;6(3):751–7

The formation of reactive intermediate(s) of glucose 6-phosphate and lysine capable of rapidly reacting with DNA. Lee AT, et al. **Mutat Res** 1987 Aug;179(2):151–8

Replacement of lysine residue 1030 in the putative ATP-binding region of the insulin receptor abolishes insulin- and antibody-stimulated glucose uptake and receptor kinase activity. Ebina Y, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):704–8

Reaction of argininosuccinase with bromomesaconic acid: role of an essential lysine in the active site. Lusty CJ, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3176–80

Lysine-156 and serine-119 are required for LexA repressor cleavage: a possible mechanism. Slilaty SN, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):3987–91

[New findings concerning lysine as an essential amino acid] Khaduev SKh, et al. **Vopr Pitan** 1987 Mar–Apr;(2):8–11 (15 ref.) **(Rus)**

ADMINISTRATION & DOSAGE

Weight gain, feed conversion efficiency and plasma free lysine as response criteria in evaluating supplements of lysine plus threonine and lysine plus tryptophan to deficient diets for rats. Frydrych Z, et al. **Arch Tierernahr** 1986 Aug; 36(8):669–77

[Evaluation of the effect of enriching rice protein with lysine and egg protein] Nam OI, et al. **Vopr Pitan** 1987 Mar–Apr; (2):60–3 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Inactivation of metalloenzymes by lysinoalanine, phenylethylaminoalanine, alkali-treated food proteins, and

sulfur amino acids. Friedman M, et al. **Adv Exp Med Biol** 1986;199:531–60

Selective labeling of sulfhydryls and disulfides on blot transfers using avidin–biotin technology: studies on purified proteins and erythrocyte membranes. Bayer EA, et al. **Anal Biochem** 1987 Mar;161(2):262–71

Determination of biocytin. Ebrahim H, et al. **Anal Biochem** 1987 May 1;162(2):319–24

Measurement of epsilon–N–trimethyllysine in human blood plasma and urine. Lehman LJ, et al. **Anal Biochem** 1987 Apr;162(1):137–42

L–lysinethiol: a subnanomolar inhibitor of aminopeptidase B. Ocain TD, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1038–42

The formation and stability of the hypusine containing protein in Chinese hamster ovary cells. Torrelio BM, et al. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1335–41

Inhibition of urea cycle enzymes by lysine and saccharopine. Ameen M, et al. **Biochem Int** 1987 Mar;14(3):395–400

Effect of pre–treatment with lysine acetyl salicylate on suxamethonium–induced myalgia. Naguib M, et al. **Br J Anaesth** 1987 May;59(5):606–10

Dansyl lysine, a new probe for assaying heat–induced cell killing and thermotolerance in vitro and in vivo. Fisher G, et al. **Cancer Res** 1986 Oct;46(10):5064–7

A new solid–phase assay for biotin and biocytin and its application to the study of patients with biotinidase deficiency. Chan PW, et al. **Clin Chim Acta** 1986 Sep 15; 159(2):185–96

Postoperative intravenous administration of lysine acetylsalicylate: effect on pain relief and platelet function. Hanaue H, et al. **Clin Ther** 1987;9(2):159–66

The effect of lysine acetylsalicylate on somatostatin inhibition of insulin secretion induced by arginine. Altomonte L, et al. **Exp Clin Endocrinol** 1986 Nov;88(1):119–22

Increased fructose–lysine of nail protein and blood glucose control in diabetic patients. Oimomi M, et al. **Horm Metab Res** 1986 Dec;18(12):827–9

Comparison of effects of lysine aspirin, soluble aspirin and conventional aspirin on buccal potential difference in healthy volunteer subjects. Shah K, et al. **Hum Toxicol** 1986 Sep;5(5):329–31

Utilization of selenalysine by thialysine resistant CHO cells. Cini C, et al. **Ital J Biochem** 1987 May–Jun;36(3):181–7

Regulation of biosynthesis of hypusine in Chinese hamster ovary cells. Evidence for eIF–4D precursor polypeptides. Park MH. **J Biol Chem** 1987 Sep 15;262(26):12730–4

Eukaryotic initiation factor 4D. Purification from human red blood cells and the sequence of amino acids around its single hypusine residue. Park MH, et al. **J Biol Chem** 1986 Nov 5;261(31):14515–9

Biosynthetic labeling of hypusine in mammalian cells. Carbon–hydrogen bond fissions revealed by dual labeling. Park MH, et al. **J Biol Chem** 1986 Oct 25;261(30):14108–11

Amino acid sequence of a novel calmodulin from Paramecium tetraurelia that contains dimethyllysine in the first domain. Schaefer WH, et al. **J Biol Chem** 1987 Jan 25;262(3):1025–9

Improved high–performance liquid chromatographic method for the determination of 6–N,N,N–trimethyllysine in plasma and urine: biomedical application of chromatographic figures of merit and amine mobile phase modifiers. Minkler PE, et al. **J Chromatogr** 1986 Aug 2;380(2):285–99

Reaffirmation of the validity of enzymatic cleavage of lithocholic acid from N–epsilon–lithocholyl–L–lysine and N–alpha–CBZ–N–epsilon–lithocholyl–L–lysine. Nair PP, et al. **J Lipid Res** 1986 Aug;27(8):905–9

Effects of selenalysine on thialysine resistant CHO cells. Di Girolamo M, et al. **Microbiologica** 1986 Oct;9(4):487–92

Intracellular transport of thialysine and selenalysine in CHO cells. Busiello V, et al. **Physiol Chem Phys Med NMR** 1987; 19(1):23–7

The diagnostic value of intradermal tests with penicilloyl–dextran and aspiryl–polylysine. Cîrstea M, et al. **Physiologie** 1986 Oct–Dec;23(4):237–43

[Comparative study of the analgesic value of injectable lysine acetylsalicylate and noramidopyrine after orthopedic surgery] Chauvet J, et al. **Ann Chir** 1986 May;40(4):277–80 (Eng. Abstr.) **(Fre)**

[Spinal cord toxicity of lysine acetylsalicylate and ketamine hydrochloride administered intrathecally in the rat] Amiot JF, et al. **Ann Fr Anesth Reanim** 1986;5(4):462 **(Fre)**

[Chronic refractory pain in cancer patients. Value of the spinal injection of lysine acetylsalicylate. 60 cases] Pellerin M, et al. **Presse Med** 1987 Sep 19;16(30):1465–8 (Eng. Abstr.) **(Fre)**

[Comparative clinical study of tiaprofenic acid and lysine acetylsalicylate in aged osteoarthrosis patients] Viara M, et al. **Minerva Med** 1987 Jun 30;78(12):865–70 (Eng. Abstr.) **(Ita)**

[Antiaggregation action and pharmacokinetics of lysine acetylsalicylate] Khadzhal Ial, et al. **Farmakol Toksikol** 1986 Jul–Aug;49(4):58–62 (Eng. Abstr.) **(Rus)**

ANALYSIS

Quantification of azo–coupled lysine in azo proteins by amino acid analysis. Pielak GJ, et al. **Anal Biochem** 1986 Aug 1;156(2):403–5

Effects of cone opening, initial moisture content and multiple extrusion on the protein quality of extruded soybean using the Brady Crop Cooker. Lam–Sánchez A, et al. **Arch Latinoam Nutr** 1985 Sep;35(3):447–57

Lysine–containing DNA–binding regions on the surface of the histone octamer in the nucleosome core particle. Lambert SF, et al. **Eur J Biochem** 1986 Oct 1; 160(1):191–201

Lysine: arginine ratio of protein and its effect on cholesterol metabolism. Rajamohan T, et al. **Indian J Biochem Biophys** 1986 Oct;23(5):294–6

Fibrinogen lysine residue A alpha 157 plays a crucial role in the fibrin–induced acceleration of plasminogen activation, catalyzed by tissue–type plasminogen activator. Voskuilen M, et al. **J Biol Chem** 1987 May 5;262(13):5944–6

[Localization of lysine residues in the site of initiating substrate binding of E. coli RNA–polymerase] Grachev MA, et al. **Bioorg Khim** 1987 Apr;13(4):552–5 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

13C–NMR, 1H–NMR and gas–chromatography mass–spectrometry studies of the biosynthesis of 13C–enriched L–lysine by Brevibacterium flavum. Inbar L, et al. **Eur J Biochem** 1987 Feb 2;162(3):621–33

Purification and properties of saccharopine dehydrogenase (glutamate forming) in the Saccharomyces cerevisiae lysine biosynthetic pathway. Storts DR, et al. **J Bacteriol** 1987 Jan;169(1):416–8

[Mathematical modeling and simulation of the process of single–stage continuous cultivation in the production of L–lysine] Rŭtkov A, et al. **Acta Microbiol Bulg** 1986; 18:10–6 (Eng. Abstr.) **(Bul)**

BLOOD

A new type of hyperlysinaemia due to a transport defect of lysine into mitochondria. Oyanagi K, et al. **J Inherited Metab Dis** 1986;9(3):313–6

DEFICIENCY

Chemical pathology of diamino acid deficiency: considerations in relation to lysinuric protein intolerance. Sidransky H, et al. **J Exp Pathol** 1985 Spring;2(1):47–57

Improvement of body weight and nitrogen balance of chicks fed histidine–free or lysine–free diets with supplementation of graded levels of sulfur–containing amino acids. Kino K, et al. **Poult Sci** 1986 Sep;65(9):1736–40

DIAGNOSTIC USE

Intracellular staining of neurons with nickel–lysine. Fredman SM. **J Neurosci Methods** 1987 Jul;20(3):181–94

Fluorescent dextran–amines used as axonal tracers in the nervous system of the chicken embryo. Glover JC, et al. **J Neurosci Methods** 1986 Nov;18(3):243–54

An improved method for correlative light and electron microscopic examination of cobaltic–lysine–labelled neurons. Oka Y, et al. **Neurosci Lett** 1987 Jan 14; 73(2):187–91

GENETICS

Deletion of lysine 13 alters the structure and function of parathyroid hormone. Zull JE, et al. **Mol Cell Endocrinol** 1987 Jun;51(3):267–71

Genetic and biochemical control of grain protein synthesis in normal and high lysine cereals. Mertz ET. **World Rev Nutr Diet** 1986;48:222–62 (36 ref.)

METABOLISM

Expression of amino acid and peptide transport systems in rat small intestine. Cheeseman CI. **Am J Physiol** 1986 Nov; 251(5 Pt 1):G636–41

Lysine uptake by rat renal brush–border membrane vesicles. McNamara PD, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):F734–42

Calcium effects on calmodulin lysine reactivities. Giedroc DP, et al. **Arch Biochem Biophys** 1987 Jan;252(1):136–44

Electrophysiology of L–lysine entry across the brush–border membrane of Necturus intestine. Acevedo M, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):295–304

Characteristics of lysine transport by isolated rat renal cortical tubule fragments. Bowring MA, et al. **Biochim Biophys Acta** 1987 Jul 10;901(1):23–9

Characteristics of lysine uptake by isolated renal cortical tubule fragments from mature and immature dogs. Foreman JW, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):127–33

Assessment of binding of L–cystine and L–lysine by rat renal brush–border membranes. Hsu BY, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):332–6

Changes of lysine reactivities of actin in complex with DNAase I. Jancso A, et al. **Biochim Biophys Acta** 1986 Oct 17;873(3):331–4

Effects of protein concentration on responses to dietary lysine by chicks. Morris TR, et al. **Br Poult Sci** 1987 Jun; 28(2):185–95

Measurement of glycated protein by a rapid and specific method for absolute quantification of lysine–bound glucose. Drexel H, et al. **Clin Chem** 1987 Sep;33(9):1656–9

Nucleotide sequence of barley chymotrypsin inhibitor–2 (CI–2) and its expression in normal and high–lysine barley. Williamson MS, et al. **Eur J Biochem** 1987 May 15; 165(1):99–106

Sequence identity between a lysine–containing peptide from Leuconostoc mesenteroides glucose–6–phosphate dehydrogenase and an active site peptide from human erythrocyte glucose–6–phosphate dehydrogenase. Bhadbhade MM, et al. **FEBS Lett** 1987 Jan 26;211(2):243–6

Direct evidence for the participation of pyruvate in N–hydroxylation of lysine. Szczepan EW, et al. **FEBS Lett** 1987 Jan 26;211(2):239–42

Chemical modification of lysine residues in affinity purified mushroom tyrosinase. Khan IA, et al. **Indian J Biochem Biophys** 1987 Feb;24(1):12–7

Methionine and lysine uptake by cattle small intestine in vitro. Guerino F, et al. **J Anim Sci** 1987 Aug;65(2):619–29

Identification of methionine and lysine transport systems in cattle small intestine. Guerino F, et al. **J Anim Sci** 1987 Aug;65(2):630–40

Influence of picolinic acid on the uptake of 65zinc–amino acid complexes by the everted rat gut. Hill DA, et al. **J Anim Sci** 1987 Jul;65(1):173–8

Influence of dietary lysine concentration on the oxidation of an indicator amino acid by growing boars. Lin FD, et al. **J Anim Sci** 1986 Oct;63(4):1179–83

Calmodulin is labeled at lysine 148 by a chemically reactive phenothiazine. Faust FM, et al. **J Biol Chem** 1987 Feb 15; 262(5):1938–41

The bifunctional aminoadipic semialdehyde synthase in lysine degradation. Separation of reductase and dehydrogenase domains by limited proteolysis and column chromatography. Markovitz PJ, et al. **J Biol Chem** 1987 Jul 5;262(19):9353–8

Plasma amino acids and milk protein production by cows fed rumen–protected methionine and lysine. Rogers JA, et al. **J Dairy Sci** 1987 Apr;70(4):789–98

Induction in rats of lysine imbalance by dietary homoarginine. Tews JK, et al. **J Nutr** 1986 Oct; 116(10):1910–21

Effect of hydrazine sulphate on whole–body protein breakdown measured by 14C–lysine metabolism in lung cancer patients. Tayek JA, et al. **Lancet** 1987 Aug 1; 2(8553):241–4

Cystine and lysine transport in cultured human renal epithelial cells. States B, et al. **Metabolism** 1987 Apr; 36(4):356–62

Proabsorptive properties of forskolin: disposition of glycine, leucine and lysine in rat jejunum. Reymann A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Sep; 334(1):110–5

L–[3H]lysine binding to rat retinal membrane: II. Effect of kainic acid, D,L–alpha–aminoadipic acid, iodoacetic acid, and modification by dark–exposure. Piccoli F, et al. **Neurochem Res** 1986 Dec;11(12):1719–26

L–[3H]lysine binding to rat retinal membrane: I. Quantitative determination and characterization of the binding sites. Piccoli F, et al. **Neurochem Res** 1986 Dec;11(12):1707–17

Waste nitrogen excretion via amino acid acylation: benzoate and phenylacetate in lysinuric protein intolerance. Simell O, et al. **Pediatr Res** 1986 Nov;20(11):1117–21

Asymmetrical transfer of alpha–aminoisobutyric acid (AIB), leucine and lysine across the in vitro perfused human placenta. Schneider H, et al. **Placenta** 1987 Mar–Apr; 8(2):141–51

Comparison of the sensitivities of growth and digestibility studies using intact, cecectomized, and cannulated roosters. Crissey SD, et al. **Poult Sci** 1987 May;66(5):866–74

Autoradiographic study of 3H–lysine uptake by superior cervical and stellate ganglia in prehypertensive spontaneously hypertensive rats. Kondo M. **Virchows Arch [B]** 1986;52(4):299–304

[Activity of and requirement for selected amino acids in growing female pigs. I. Lysine] Liebert F, et al. **Arch Tierernahr** 1986 Dec;36(12):1077–86 (Eng. Abstr.) **(Ger)**

[15N transamination in the administration of various tracer substances. I. Whole body studies in rats] Schadereit R, et al. **Arch Tierernahr** 1986 Sep;36(9):783–92 (Eng. Abstr.) **(Ger)**

[Functionally important lysine residues in inorganic pyrophosphatase from E. coli. II. Isolation and characteristics of modified tryptic peptide and analysis of the functional role of lysine residues controlling enzyme activity] Komissarov AA, et al. **Bioorg Khim** 1987 May; 13(5):599–605 (Eng. Abstr.) **(Rus)**

[Functionally important lysine residues in inorganic pyrophosphatase from E. coli. I. Interaction of inorganic pyrophosphatase with pyridoxal–5'–phosphate] Komissarov AA, et al. **Bioorg Khim** 1987 May;13(5):592–8 (Eng. Abstr.) **(Rus)**

[Dynamics of 3H–lysine incorporation into the retinal ganglion cells of the ground squirrel (Citellus pygmaeus Pallas) in active state and during hibernation] Fel'dman BV, et al. **Ontogenez** 1987 May–Jun;18(3):323–6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Inhibition of urea cycle enzymes by lysine and saccharopine. Ameen M, et al. **Biochem Int** 1987 Mar;14(3):395–400

Inhibitory effect of intravenous lysine infusion on urea cycle metabolism. Kato T, et al. **Eur J Pediatr** 1987 Jan; 146(1):56–8

L–ornithine and L–lysine need their alpha–carboxyl groups for effective inhibition of bovine liver arginase. Subrahmanyam TS, et al. **Indian J Biochem Biophys** 1986 Dec;23(6):359–61

Recovery of age–related decline of thymic endocrine activity

and PHA response by lysin-arginine combination. Fabris N, et al. **Int J Immunopharmacol** 1986;8(7):677-85

Re.: Surface antigen preservation by PLP and formalin fixation and the effects of tissue processing [letter] Pollard K, et al. **J Immunol Methods** 1987 Jan 26;96(1):145

Failure of excess dietary lysine to antagonize arginine in young pigs. Edmonds MS, et al. **J Nutr** 1987 Aug; 117(8):1396-401

Variations of intestinal calcium absorption in adult frogs (Rana esculenta). Effect of lysine. el Maraghi-Ater H, et al. **Reprod Nutr Dev** 1987;27(2A):407-12

Influence of copper-lysine complex on the formation of desmosine cross-links in elastin. Hartmanová M, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1984;27(4):437-42

[Protein concentrate of the manioc leaf. Extraction, chemical analyses and supplementation with amino acids] Salgado JM, et al. **Arch Latinoam Nutr** 1986 Sep;36(3):483-94 (Eng. Abstr.) **(Por)**

[Effect of lysine on cephalosporin biosynthesis and morphogenesis in Acremonium chrysogenum] Bartoshevich IuE, et al. **Antibiot Med Biotekhnol** 1987 Jan; 32(1):6-11 (Eng. Abstr.) **(Rus)**

[The effect of dietary lysine excess and deficiency on metabolism in Japanese quail] Gažo M, et al. **Vet Med (Praha)** 1987 Apr;32(4):237-45 (Eng. Abstr.) **(Slo)**

THERAPEUTIC USE

The depletion of tryptophan and serotonin in the brain of developing hyperphenylalaninemic rats is abolished by the additional administration of lysine. Huether G. **Neurochem Res** 1986 Dec;11(12):1663-8

[Suppression of chloroquine resistance in Plasmodium berghei by using a microsomal monooxygenase inhibitor] Rabinovich SA, et al. **Med Parazitol (Mosk)** 1986 Jul-Aug; (4):7-10 (Eng. Abstr.) **(Rus)**

TOXICITY

Ultracytochemistry of pancreatic damage induced by excess lysine. Kishino Y, et al. **Virchows Arch [B]** 1986; 52(2):153-67

URINE

[A case of lysinuric protein intolerance with intermittent stupor looking like psychomotor seizure in adulthood] Kitajima I, et al. **Rinsho Shinkeigaku** 1986 Jun; 26(6):592-600 (Eng. Abstr.) **(Jpn)**

LYSINE HYDROXYLASE see under **HYDROXYLASES**

LYSINE VASOPRESSIN see **LYPRESSIN**

LYSINOALANINE see under **LYSINE**

LYSOGENY

Prophage type of recombinants produced by cell fusion between various combinations of lysogenic or non-lysogenic substrains from two Staphylococcus aureus L-forms. Hirachi Y, et al. **Biken J** 1986 Jun;29(2):45-9

New pore protein produced in cells lysogenic for Escherichia coli phage HK253hrk. Verhoef C, et al. **Eur J Biochem** 1987 Apr 1;164(1):141-5

Isolation & selection of lysogenic phages for characterization of untypable strains of Salmonella typhimurium isolated in India. Adlakha S, et al. **Indian J Med Res** 1986 Jul; 84:7-13

Identification of polypeptides encoded by an Escherichia coli locus (hflA) that governs the lysis-lysogeny decision of bacteriophage lambda. Banuett F, et al. **J Bacteriol** 1987 Sep;169(9):4076-85

Detection of homology to the beta bacteriophage integration site in a wide variety of Corynebacterium spp. Cianciotto N, et al. **J Bacteriol** 1986 Oct;168(1):103-8

Secondary attachment site for bacteriophage lambda in the guaB gene of Escherichia coli. Thomas MS, et al. **J Bacteriol** 1986 Nov;168(2):1048-50

Mutations in an integration host factor-binding site: effect on lambda site-specific recombination and regulatory implications. Thompson JF, et al. **J Bacteriol** 1986 Dec; 168(3):1343-51

Nucleotide sequences and properties of the sites involved in lysogenic insertion of the bacteriophage HP1c1 genome into the Haemophilus influenzae chromosome. Waldman AS, et al. **J Bacteriol** 1987 Jan;169(1):238-46

Lysogenic conversion of Salmonella typhimurium bacteriophages A3 and A4 consists of O-acetylation of rhamnose of the repeating unit of the O-antigenic polysaccharide chain. Wollin R, et al. **J Bacteriol** 1987 Mar; 169(3):1003-9

RecE-dependent lysogenic induction in the absence of repressor in Bacillus subtilis non-complementing diploids. Guillén N, et al. **J Gen Microbiol** 1986 Jun;132 (Pt 6):1703-7

Phage-induced change of toxigenesis in Vibrio cholerae. Siddiqui KA, et al. **J Med Microbiol** 1987 Jun;23(4):331-4

Phage-typing patterns and lysogenicity of methicillin-resistant strains of Staphylococcus aureus from Sydney, Australia, 1965-85. Vickery AM, et al. **J Med Microbiol** 1986 Nov;22(3):209-16

Mutational analysis of integrase arm-type binding sites of bacteriophage lambda. Integration and excision involve distinct interactions of integrase with arm-type sites. Bauer CE, et al. **J Mol Biol** 1986 Dec 5;192(3):513-27

[Freeze-replica study on the attachment of leptospires to cells in vivo] Peng HR, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Dec;17(4):261-4 (Eng. Abstr.) **(Chi)**

[Phasmids. Properties and the use in genetic engineering. II. Packing in vitro. Lysogeny of Escherichia coli K-12] Fonshtein MIu, et al. **Genetika** 1986 Aug;22(8):2042-7 (Eng. Abstr.) **(Rus)**

[Lysogenic conversion caused by phage phi 80. III. The mapping of the conversion gene and additional characterization of the phenomenon] Kozyrev DP, et al. **Genetika** 1987 May;23(5):793-801 (Eng. Abstr.) **(Rus)**

[Physical mapping of the immunity region of phage phi 80] Vasinova NA, et al. **Genetika** 1987 Mar;23(3):389-96 (Eng. Abstr.) **(Rus)**

[The use of the mutant phage lambda cI857 ApRTcRN- for isolation of cells lacking the prophage lambda] Slavchenko IIu, et al. **Mol Gen Mikrobiol Virusol** 1985 Nov;(11):42-4 **(Rus)**

[Lysogeny and conversion characteristics of microbes in the genus Bordetella] Gol'tsmaĭer TA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 May;(5):9-13 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

[Mutagenic effect of o-methylhydroxylamine on the prophage and extracellular phage lambda] Kalinin VL, et al. **Mol Gen Mikrobiol Virusol** 1985 May;(5):23-8 (Eng. Abstr.) **(Rus)**

LYSOLECITHIN ACYLTRANSFERASE see under **ACYLTRANSFERASES**

LYSOLECITHINS see **LYSOPHOSPHATIDYLCHOLINES**

LYSOPHOSPHATIDYLCHOLINES

Conformational flexibility of the hormonal peptide bombesin and its interaction with lipids. Cavatorta P, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):99-105

Tryptophan interactions of gramicidin A' channels in lipids: a time-resolved fluorescence study. Masotti L, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):265-72

Evidence for a folded structure of Met-enkephalin in membrane mimetic systems: 1H-nmr studies in sodiumdodecylsulfate, lyso-phosphatidylcholine, and mixed lyso-phosphatidylcholine/sulfatide micelles. Zetta L, et al. **Biopolymers** 1986 Dec;25(12):2315-23

Spontaneous vesiculation of uncharged phospholipid dispersions consisting of lecithin and lysolecithin. Hauser H. **Chem Phys Lipids** 1987 May;43(4):283-99

Interaction of atriopeptin III with lipids and detergents. Epand RM, et al. **Int J Pept Protein Res** 1987 Feb; 29(2):238-43

ANALYSIS

Bilayer asymmetry in lysophosphatidylcholine/cholesterol (1:1) vesicles. A phosphorus-31 NMR study. Kumar VV, et al. **Biochem Biophys Res Commun** 1986 Aug 29; 139(1):25-30

A Raman spectroscopic study on the interaction of an ion-channel protein with a phospholipid in a model membrane system (gramicidin A/L-alpha-lysophosphatidylcholine). Aslanian D, et al. **Eur J Biochem** 1986 Oct 15;160(2):395-400

BLOOD

Incorporation of arachidonic acid into 1-acyl-2-lyso-sn-glycero-3-phosphocholine of the human neutrophil. Chilton FH, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):48-56

Lecithin: cholesterol acyltransferase and lysolecithin in coronary atherosclerosis. Wells IC, et al. **Exp Mol Pathol** 1986 Dec;45(3):303-10

CHEMICAL SYNTHESIS

Studies of the antitumor activity of (2-alkoxyalkyl)- and (2-alkoxyalkenyl)phosphocholines. Bonjouklian R, et al. **J Med Chem** 1986 Dec;29(12):2472-7

ISOLATION & PURIFICATION

A search for endogenous Na+,K+-ATPase inhibitor in acutely volume-expanded hog plasma led to lysophosphatidylcholine gamma-stearoyl. Tamura M, et al. **J Hypertens** 1987 Apr;5(2):219-25

METABOLISM

Gallbladder prostaglandins and lysophospholipids as mediators of mucin secretion during cholelithiasis. LaMorte WW, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):G701-9

The acylation of lysophosphoradylglycerocholines in guinea-pig heart mitochondria. Arthur G, et al. **Biochem J** 1987 Feb 15;242(1):171-5

Metabolism of lysophospholipids in intact rat islets. The insulin secretagogue p-hydroxymercuribenzoic acid impairs lysophosphatidylcholine catabolism and permits its accumulation. Metz SA. **Biochem J** 1987 Feb 1; 241(3):863-9

Equilibrium binding of myristoyllysophosphatidylcholine to bovine myelin basic protein: an example of ligand-mediated acceptor association. Gow A, et al. **Biochemistry** 1987 Feb 24;26(4):982-7

Binding of lysophosphatidylcholine to the rat liver fatty acid binding protein. Burrier RE, et al. **Biochim Biophys Acta** 1986 Nov 14;879(2):229-39

Cytotoxicity and metabolism of alkyl phospholipid analogues in neoplastic cells. Hoffman DR, et al. **Cancer Res** 1986 Nov;46(11):5803-9

Morphology of lysolecithin-induced damage on esophageal mucosa. An experimental light and scanning electron microscopical study. Salo JA, et al. **J Surg Res** 1987 Mar; 42(3):290-7

[Binding of bile salts and lysolecithin by various antacids in biological media] Guthauser UJ, et al. **Schweiz Med Wochenschr** 1987 Feb 28;117(9):322-7 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Loss of infectivity of red clover mottle virus by lysolecithin. Kluge S, et al. **Acta Virol (Praha)** 1987 Mar;31(2):185-8

Effect of lysophosphatidylcholine on K+ transport in rat heavy gastric membranes enriched with (H+-K+)-ATPase. Im WB, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):840-8

Lysophosphatidylcholines containing polyunsaturated fatty acids were found as Na+, K+-ATPase inhibitors in acutely volume-expanded hog. Tamura M, et al. **Biochemistry** 1987 May 19;26(10):2797-806

Different reactivity to lysophosphatidylcholine, DIDS and trypsin of two brain sialyltransferases specific for O-glycans: a consequence of their topography in the endoplasmic membranes. Baubichon-Cortay H, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):243-53

Electrophysiological effects of acetyl glyceryl ether phosphorylcholine on cardiac tissues: comparison with lysophosphatidylcholine and long chain acyl carnitine. Nakaya H, et al. **Br J Pharmacol** 1986 Dec;89(4):749-57

Gastric mucosal damage induced by combination of ethanol and lysophosphatidylcholine. Neiderhiser DH, et al. **Dig Dis Sci** 1987 Jun;32(6):628-40

Effect of lysophosphatidylcholine on salt permeability through the erythrocyte membrane under haemolytic conditions. Eskelinen S. **Gen Physiol Biophys** 1986 Dec; 5(6):637-47

Effect of phosphatidylcholine, lysophosphatidylcholine, arachidonic acid and docosahexaenoic acid on the motility of human sperm. Hong CY, et al. **Int J Androl** 1986 Apr; 9(2):118-22

Influence of lysophospholipids and PAF on the oxidative burst of PMNL. Englberger W, et al. **Int J Immunopharmacol** 1987;9(3):275-82

Sensitivity of leukemia cell lines to cytotoxic alkyl-lysophospholipids in relation to O-alkyl cleavage enzyme activities. Unger C, et al. **JNCI** 1987 Feb; 78(2):219-22

Lysophosphatidylcholine and taurodeoxycholate increase stomach permeability to different-sized molecules. Karlqvist PA, et al. **Scand J Gastroenterol** 1986 Nov; 21(9):1039-45

Lysophosphatidylcholine potentiates the increase in mucosal permeability after small-intestinal ischaemia. Otamiri T, et al. **Scand J Gastroenterol** 1986 Nov;21(9):1131-6

Lysolecithin affects the viscosity, permeability, and peptic susceptibility of gastric mucin. Slomiany BL, et al. **Scand J Gastroenterol** 1986 Nov;21(9):1073-9

Stimulation and desensitization of human and rabbit platelets by 1-O-hexadecyl-2-O-methyl-rac-glycero-3-phosphocholine and analogues. Ostermann G, et al. **Thromb Res** 1986 Sep 15;43(6):675-80

Effect of cobra venom phospholipase A2 on platelet aggregation in comparison with those produced by arachidonic acid and lysophosphatidylcholine. Teng CM, et al. **Thromb Res** 1986 Dec 15;44(6):875-86

Microsomal phospholipase A2 is activated by surfactant toxins in 3T3 mouse fibroblasts. Kawaguchi H, et al. **Toxicol Lett** 1987 Feb;35(2-3):261-8

[Synergistic effect of lysolecithin analogs on the virostatic action of nucleoside antimetabolites in vitro] Nuhn P, et al. **Pharmazie** 1987 Apr;42(4):277-8 **(Ger)**

[Antiviral action of lysolecithin analogs against human pathogenic viruses] Sandow D, et al. **Pharmazie** 1986 Jun; 41(6):404-6 (Eng. Abstr.) **(Ger)**

TOXICITY

Experimental gastritis: are the detergents on or in the mucosa? [letter] Schweitzer EJ, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):G870-2

Elimination of leukemic cells by the combined use of ether lipids in vitro. Okamoto S, et al. **Cancer Res** 1987 May 15;47(10):2599-603

Induction of delayed afterdepolarizations and triggered activity in canine Purkinje fibers by lysophosphoglycerides. Pogwizd SM, et al. **Circ Res** 1986 Oct;59(4):416-26

LYSOPHOSPHOLIPASE see under **PHOSPHOLIPASES**

LYSOSOMES

ANALYSIS

Purification and characterization of lysosomes from Chinese hamster ovary cells. Madden EA, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):27–38

beta-Endorphin is contained within presumptive receptosomes and lysosomes of the myenteric plexus of the rat. Wolter HJ. **Brain Res** 1986 Aug 27;381(1):121–4

The endosomal concentration of a mannose 6-phosphate receptor is unchanged in the absence of ligand synthesis. Pfeffer SR. **J Cell Biol** 1987 Jul;105(1):229–34

Unmasking and redistribution of lysosomal sulfated glycoconjugates in phagocytic polymorphonuclear leukocytes. Parmley RT, et al. **J Histochem Cytochem** 1986 Dec;34(12):1701–7

[Abnormal concentration of aluminium in the lysosomes of a primary parathyroid adenoma] Galle P, et al. **Ann Pathol** 1987;7(1):65–8 (Eng. Abstr.) **(Fre)**

[Histochemical examination of granules in the vitreous cells of old guinea pigs] Saga T, et al. **Nippon Ganka Gakkai Zasshi** 1987 Apr;91(4):456–8 (Eng. Abstr.) **(Jpn)**

[A rapid spectrophotometric method of determining heat-resistant lysosomes in animal tissues] Siatkin SP, et al. **Biull Eksp Biol Med** 1986 Sep;102(9):379–81 (Eng. Abstr.) **(Rus)**

[Lysosomal-cationic test in the diagnosis of acute appendicitis] Grachev AM, et al. **Vestn Khir** 1987 Mar; 138(3):45–7 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of glycyrrhizin on stability of lysosomes in the rat arterial wall. Shiki Y, et al. **Am J Chin Med** 1986; 14(3–4):138–44

Effect of glycyrrhizin on lysosomes labilization by phospholipase A2. Shiki Y, et al. **Am J Chin Med** 1986; 14(3–4):131–7

The basis of antimalarial action: non-weak base effects of chloroquine on acid vesicle pH. Krogstad DJ, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):213–20

Gastroprotection and lysosomal membrane stabilization by sulglicotide. Porta R, et al. **Arzneimittelforschung** 1986 Jul; 36(7):1079–82

The effect of lysosomotropic detergents on the permeability properties of the lysosome membrane. Forster S, et al. **Biochim Biophys Acta** 1987 Jun 22;924(3):452–7

Role of lysosomotrophic reagents in glucocorticoid hormone action. Kalimi M. **Biochim Biophys Acta** 1986 Oct 1; 883(3):593–7

Ethanol impairs biliary lysosomal enzyme release in rats. Sewell RB, et al. **Clin Exp Pharmacol Physiol** 1986 Oct; 13(10):745–50

Gentamicin-induced alterations of intralysosomal pH and lysosomal enzyme activities. Oshima M, et al. **Dev Toxicol Environ Sci** 1986;14:91–100

Aluminium induced damage of the lysosomes in the liver, spleen and kidneys of rats. Stein G, et al. **J Appl Toxicol** 1987 Aug;7(4):253–8

Biochemical mechanisms of aminoglycoside cell toxicity. I. The uptake of gentamicin by cultured skin fibroblasts and the alteration of lysosomal enzyme activities. Oshima M, et al. **J Biochem (Tokyo)** 1986 Dec;100(6):1575–82

Growth inhibition of 3T3 fibroblasts by lysosomotropic amines: correlation with effects on intravesicular pH but not vacuolation. Cain CC, et al. **J Cell Physiol** 1986 Oct; 129(1):65–70

Lysosomotropic agents. 7. Broad-spectrum antifungal activity of lysosomotropic detergents. Firestone RA, et al. **J Med Chem** 1987 Aug;30(8):1519–21

Studies on cellular mechanism of the antishock action of anisodamine in rats—effect of anisodamine on the stability of liver lysosomes and comparison of its membrane-stabilizing action with that of dexamethasone. Zhu Y, et al. **J Tongji Med Univ** 1986;6(4):221–7

Autofluorescence and ageing: changes in ribosome accuracy and lysosome [corrected] function [published erratum appears in Mech Ageing Dev 1986 Nov 28;37(1):101] Buchanan JH, et al. **Mech Ageing Dev** 1986 Nov 14; 36(3):259–67

The effect of chloroquine on the equilibrium density in a Percoll gradient of liver lysosomal populations. Colombo MI, et al. **Microsc Electron Biol Celular** 1985 Dec; 9(2):205–11

Relationships among cytotoxicity, lysosomal breakdown, chromosome aberrations, and DNA double-strand breaks. Bradley MO, et al. **Mutat Res** 1987 Sep;189(1):69–79

A microspectrofluorometric study of porphyrin-photosensitized single living cells—I. Membrane alterations. Reyftmann JP, et al. **Photochem Photobiol** 1986 Oct;44(4):461–9

Impairment of lysosome-pinocytic vesicle fusion in rat kidney proximal tubules after treatment with gentamicin at low doses. Giurgea-Marion L, et al. **Toxicol Appl Pharmacol** 1986 Nov;86(2):271–85

Effect of lysosomotropic compounds on early events in foot-and-mouth disease virus replication. Baxt B. **Virus Res** 1987 May;7(3):257–71

[Action of nonachlazine on the creatine phosphokinase and acid phosphatase activity and on the lysosomal membrane stability of the ischemic myocardium in rats after preliminary reserpinization] Sysoliatina NA. **Farmakol Toksikol** 1986 Jul-Aug;49(4):77–81 (Eng. Abstr.) **(Rus)**

[Effect of the lysosomotropic preparation suramin on the ultrastructural and functional characteristics of rat liver cells in acute toxic hepatitis] Vakulin GM, et al. **Tsitologiia** 1986 Aug;28(8):854–61 (Eng. Abstr.) **(Rus)**

[Effect of vitamins A and E on the structural-functional state of retinal lysosomes] Leus NF, et al. **Ukr Biokhim Zh** 1987 Jan-Feb;59(1):75–9 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Human tartrate-inhibitable lysosomal acid phosphatase. Purification, characterization, biosynthesis and intracellular transport. Gieselmann V, et al. **Acta Biochim Pol** 1986; 33(2):119–26

Problems with ultrastructural demonstration of aryl sulphatase activity in rat liver parenchymal cells. Schellens JP, et al. **Acta Histochem (Jena)** 1987;81(1):41–9

Role of lysosomes in coronary artery lesions of hypertensive rats. Suzuki K, et al. **Acta Pathol Jpn** 1986 Oct; 36(10):1529–36

Intrafamilial variability in lysosomal storage diseases. Zlotogora J. **Am J Med Genet** 1987 Jul;27(3):633–8

Kinetics of lysosomal protease activity in human otitis media with effusion. Hamaguchi Y, et al. **Am J Otolaryngol** 1987 Jul-Aug;8(4):194–8

Activation of the intramyofibral autophagic-lysosomal system in muscular dystrophy. Kominami E, et al. **Am J Pathol** 1987 Jun;127(3):461–6

Sarcoplasmic reticulum dysfunction: phospholipid alterations induced by lysosomal phospholipase C. Franson R, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):H1017–23

The role of aspartic and cysteine proteinases in albumin degradation by rat kidney cortical lysosomes. Baricos WH, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):687–91

Possible processing of mitochondria-bindable hexokinase to the nonbindable form by a lysosomal protease in rat liver. Yokoyama-Sato K, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):56–62

Interaction of lysosomal enzymes and their natural inhibitors in bronchoalveolar lavage fluid and serum in atopic bronchial asthma. Plusa T, et al. **Arch Immunol Ther Exp (Warsz)** 1987;35(1):49–55

Petroleum hydrocarbon toxicity in vitro: effect of n-alkanes, benzene and toluene on pulmonary alveolar macrophages and lysosomal enzymes of the lung. Suleiman SA. **Arch Toxicol** 1987 Apr;59(6):402–7

Genetic variation of human mononuclear leukocyte lysosomal acid lipase activity. Relationship to atherosclerosis. Coates PM, et al. **Atherosclerosis** 1986 Oct; 62(1):11–20

Alterations in heart and serum lysosomal activities in streptozotocin-induced diabetes. Kutryk MJ, et al. **Basic Res Cardiol** 1987 May-Jun;82(3):271–8

Sulfated oligosaccharides in human lysosomal enzymes. Braulke T, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):178–85

Autodegradation of lysosomal cysteine proteinases. Kominami E, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):749–56

In vitro biosynthesis of the lysosomal cathepsin H. Nishimura Y, et al. **Biochem Biophys Res Commun** 1987 Jul 15; 146(1):159–64

Variation in ten lysosomal hydrolase enzyme activities in inbred mouse strains. Johnson WG, et al. **Biochem Genet** 1986 Dec;24(11-12):891–909

Characterization of lysosomes and lysosomal enzymes from Chediak-Higashi-syndrome cultured fibroblasts. Miller AL, et al. **Biochem J** 1986 Sep 1;238(2):589–95

Castanospermine: an apparent tight-binding inhibitor of hepatic lysosomal alpha-glucosidase. Ellmers BR, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2381–5

Human lysosomal sphingomyelinase: substrate efficacy of apolipoprotein/sphingomyelin complexes. Ahmad TY, et al. **Biochemistry** 1986 Jul 29;25(15):4415–20

Purification of lysosomal phospholipase A and demonstration of proteins that inhibit phospholipase A in a lysosomal fraction from rat kidney cortex. Hostetler KY, et al. **Biochemistry** 1986 Oct 21;25(21):6456–61

Genetic relationship between lysosomal and lamellar body-specific alpha-glucosidases in human lung. de Vries AC, et al. **Biochim Biophys Acta** 1986 Sep 12;878(2):288–91

Effect of chloroquine on the activity of some lysosomal enzymes involved in ganglioside degradation. Fredman P, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):1–8

Lysosomal and cytosolic sialidases in rabbit alveolar macrophages: demonstration of increased lysosomal activity after in vivo activation with bacillus Calmette-Guerin. Pilatte Y, et al. **Biochim Biophys Acta** 1987 Jan 20;923(1):150–5

The effect of analogues of chymostatin on lysosomal and non-lysosomal components of protein degradation in isolated hepatocytes. Place GA, et al. **Biochim Biophys Acta** 1987 Aug 13;925(2):185–93

Synthesis and hydrolysis of cholesteryl esters by isolated rat-liver lysosomes and cell-free extracts of human lung fibroblasts. Slotte JP, et al. **Biochim Biophys Acta** 1986 Nov 14;879(2):221–8

Lysosomal arylsulfatases A and B from horse blood leukocytes: purification and physico-chemical properties. Wojczyk B. **Biol Cell** 1986;57(2):147–52

Properties of human liver lysosomal sialidase. Michalski JC, et al. **Biol Chem Hoppe Seyler** 1986 Aug;367(8):715–22

Intracellular protein catabolism VI. Proceedings of the 6th Symposium on Intracellular Protein Catabolism. April 21–25, 1986. Wernigerode, DDR. **Biomed Biochim Acta** 1986;45(11-12):1363–663

Are there species differences amongst the lysosomal cysteine proteinases? Kirschke H, et al. **Biomed Biochim Acta** 1986; 45(11-12):1441–6

Species variations amongst lysosomal cysteine proteinases. Mason RW. **Biomed Biochim Acta** 1986;45(11-12):1433–40

Demonstration of cathepsins H and L in rat tissues. Rinne A, et al. **Biomed Biochim Acta** 1986;45(11-12):1465–76

The azocasein-urea-pepstatin assay discriminates between lysosomal proteinases. Wiederanders B, et al. **Biomed Biochim Acta** 1986;45(11-12):1477–83

Species variations amongst proteinases in liver lysosomes. Béchet D, et al. **Biosci Rep** 1986 Nov;6(11):991–7

Effects of four bisphosphonates on bone resorption, lysosomal enzyme release, protein synthesis and mitotic activities in mouse calvarial bones in vitro. Lerner UH, et al. **Bone** 1987;8(3):179–89

Lysosomal enzyme activity and fibroblast stimulation of lavage from guinea pigs exposed to silica dust. Sjöstrand M, et al. **Br J Exp Pathol** 1987 Jun;68(3):309–18

Grey platelet syndrome: studies on platelet alpha-granules, lysosomes and defective response to thrombin. Srivastava PC, et al. **Br J Haematol** 1987 Apr;65(4):441–6

Enhanced lipid peroxidation and lysosomal enzyme activity in the lungs of rats with prolonged pulmonary deposition of crocidolite asbestos. Jajte J, et al. **Br J Ind Med** 1987 Mar;44(3):180–6

Prostaglandin E2 causes a transient inhibition of mineral mobilization, matrix degradation, and lysosomal enzyme release from mouse calvarial bones in vitro. Lerner UH, et al. **Calcif Tissue Int** 1987 Jun;40(6):323–31

Synthesis of phosphorylated trimannosides corresponding to end groups of the high-mannose chains of lysosomal enzymes. Srivastava OP, et al. **Carbohydr Res** 1987 Apr 1;161(2):195–210

Multiple transfer of lysosomal enzymes from normal lymphocytes to I-cell disease fibroblasts. Olsen I, et al. **Cell Biol Int Rep** 1987 Feb;11(2):131–40

Induction of macrophage lysosomal hydrolase synthesis and secretion by beta-1,3-glucan. Lew DB, et al. **Cell Immunol** 1986 Jul;100(2):340–50

Change in activities of lysosomal glycosidases in skin fibroblasts from controls and patients with cystic fibrosis. Hermelin B, et al. **Cell Mol Biol** 1987;33(1):83–9

Lysosomal enzyme activities in fresh and frozen chorionic villi and in cultured trophoblasts. Ben-Yoseph Y, et al. **Clin Chim Acta** 1986 Dec 30;161(3):307–13

Stability of enzymes of lysosomal origin in human cerebrospinal fluid. Goi G, et al. **Clin Chim Acta** 1987 Mar 16;163(2):215–24

A late developmental change in lysosomal enzyme sulfation specific to newly synthesized proteins in Dictyostelium discoideum. Livi GP, et al. **Dev Biol** 1987 Jun; 121(2):293–300

Insulin secretion and lysosomal enzyme activities in isolated mouse islets. Effects of glucose, diazoxide and isobutylmethylxanthine. Skoglund G, et al. **Diabetes Res** 1986 Oct;3(8):411–5

Resistance of the insulin crystal to lysosomal proteases: implications for pancreatic B-cell crinophagy. Halban PA, et al. **Diabetologia** 1987 May;30(5):348–53

Digestion of thyroglobulin with purified thyroid lysosomes: preferential release of iodoamino acids. Tokuyama T, et al. **Endocrinology** 1987 Aug;121(2):714–21

Catabolism of glycoprotein glycans. Characterization of a lysosomal endo-N-acetyl-beta-D-glucosaminidase specific for glycans with a terminal chitobiose residue. Baussant T, et al. **Eur J Biochem** 1986 Sep 1;159(2):381–5

Signal sequence and DNA-mediated expression of human lysosomal alpha-galactosidase A. Tsuji S, et al. **Eur J Biochem** 1987 Jun 1;165(2):275–80

Purification and partial characterization of lysosomal neuraminidase from human placenta. Verheijen FW, et al. **Eur J Biochem** 1987 Jan 2;162(1):63–7

On the effects of weak bases and monensin on sorting and processing of lysosomal enzymes in human cells. Braulke T, et al. **Eur J Cell Biol** 1987 Jun;43(3):316–21

Involvement of cis and trans Golgi apparatus elements in the intracellular sorting and targeting of acid hydrolases to lysosomes. Minnifield N, et al. **Eur J Cell Biol** 1986 Oct;42(1):92–100

Immunocytochemical localization of lysosomal acid phosphatase in normal and "I-cell" fibroblasts.Parenti G, et al. **Eur J Cell Biol** 1987 Feb;43(1):121–7

Secretion heterogeneity of lysosomal enzymes in Tetrahymena pyriformis. Banno Y, et al. **Exp Cell Res** 1987 Jun;170(2):259–68

Fractionation, biochemical characterization and lysosomal phospholipases of human liver. Löffler BM, et al. **FEBS Lett** 1987 May 25;216(1):51–6

Protein phosphorylation of lysosomal arylsulfatase B in normal and leukemic leukocytes. Uehara Y, et al. **FEBS Lett** 1986 Nov 24;208(2):352–6

Lysosomal enzymes in peripheral blood lymphocytes of patients with gastric cancer. Moszczyński P, et al. **Folia Haematol (Leipz)** 1986;113(4):460–5

Acidic vesicles in cultured rat hepatocytes. Identification and

characterization of their relationship to lysosomes and other storage vesicles. Lake JR, et al. **Gastroenterology** 1987 May; 92(5 Pt 1):1251–61

Photographic microdensitometry for evaluation of acid phosphatase activity at the electron microscope level. Cabrini RL, et al. **Histochem J** 1986 Sep;18(9):481–6

An improved procedure for the X-ray microanalysis of acid phosphatase activity in lysosomes. van Dort JB, et al. **Histochemistry** 1987;87(1):71–7

Cycloheximide-induced inhibition of cathepsin B activity in rat skeletal muscle. Pote MS, et al. **Indian J Biochem Biophys** 1986 Apr;23(2):119–20

Lysosomal enzymes in Mastomys natalensis during different stages of infection with Brugia malayi. Joshi A, et al. **Indian J Med Res** 1987 Jan;85:19–24

Effect of crevicular fluid and lysosomal enzymes on the adherence of streptococci and bacteroides to hydroxyapatite. Cimasoni G, et al. **Infect Immun** 1987 Jun; 55(6):1484–9

Lysosomal enzyme cytochemistry of human RPE, Bruch's membrane and drusen. Feeney-Burns L, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1138–47

Purification and characterization of a carboxylesterase from rabbit liver lysosomes. Tanaka M, et al. **J Biochem (Tokyo)** 1987 Mar;101(3):619–24

Phosphorylation of human lysosomal arylsulfatase B by cAMP-dependent protein kinase. Different sites of phosphorylation between normal and cancer tissues. Gasa S, et al. **J Biol Chem** 1987 Jan 25;262(3):1230–8

The interaction of phosphorylated oligosaccharides and lysosomal enzymes with bovine liver cation-dependent mannose 6-phosphate receptor. Hoflack B, et al. **J Biol Chem** 1987 Jan 5;262(1):123–9

Mannose-receptor ligands stimulate secretion of lysosomal enzymes from rabbit alveolar macrophages. Ohsumi Y, et al. **J Biol Chem** 1987 Jun 15;262(17):7955–62

Substrate specificities of rat kidney lysosomal and cytosolic alpha-D-mannosidases and effects of swainsonine suggest a role of the cytosolic enzyme in glycoprotein catabolism. Tulsiani DR, et al. **J Biol Chem** 1987 May 15; 262(14):6506–14

A single mutation prevents the normal intracellular transport of multiple lysosomal proteins from the rough endoplasmic reticulum. Woychik NA, et al. **J Biol Chem** 1987 Jul 25; 262(21):10008–14

Is movement of mannose 6-phosphate-specific receptor triggered by binding of lysosomal enzymes? Braulke T, et al. **J Cell Biol** 1987 Jun;104(6):1735–42

Mannose 6-phosphate receptor-mediated endocytosis of acid hydrolases: internalization of beta-glucuronidase is accompanied by a limited dephosphorylation. Gabel CA, et al. **J Cell Biol** 1986 Nov;103(5):1817–27

Lysosomal enzyme precursors in coated vesicles derived from the exocytic and endocytic pathways. Lemansky P, et al. **J Cell Biol** 1987 Jun;104(6):1743–8

The role of lysosomal enzymes in killing of mammalian cells by the lysosomotropic detergent N-dodecylimidazole. Wilson PD, et al. **J Cell Biol** 1987 May;104(5):1223–9

Kinetics and temperature dependence of exposure of endocytosed material to proteolytic enzymes and low pH: evidence for a maturation model for the formation of lysosomes. Roederer M, et al. **J Cell Physiol** 1987 May; 131(2):200–9

Lysosomal enzyme abnormalities in preleukaemic Sweet's disease: case report. Judge M, et al. **J Clin Pathol** 1987 Jan;40(1):67–9

Rapid simultaneous assessment of neutrophil superoxide generation and lysosomal enzyme release. Mandell BF, et al. **J Immunol Methods** 1987 Jun 26;100(1–2):211–4

An individual with high plasma lysosomal enzymes. Alexander DR, et al. **J Inherited Metab Dis** 1986;9(3):283

Lysosomal protein degradation in experimental hyperphenylalaninaemia. Schröter J, et al. **J Inherited Metab Dis** 1986;9(3):273–82

Lysosomal hydrolases in blood-derived macrophages of patients with I-cell disease. Yatziv S, et al. **J Lab Clin Med** 1986 Oct;108(4):365–8

Hydrolysis of Pro-Ala dipeptides by lysosomal hydrolases. Models for the study of lysosomotropic amino acid prodrugs of penicillins. Renard C, et al. **J Med Chem** 1986 Jul;29(7):1291–3

Different behaviors among lysosomal enzymes in the cerebellum of jaundiced Gunn rats with cerebellar hypoplasia. Sato H, et al. **J Neurochem** 1987 Jun; 48(6):1823–5

Diethylaminoethoxyhexestrol inhibition of purified rat liver lysosomal phospholipase A1: role of drug binding to substrate. Kubo M, et al. **J Pharmacol Exp Ther** 1987 Jan; 240(1):88–92

Effects of pindolol, befunolol and melanin treated with adrenergic beta-blocking agents on lysosomal enzymes in bovine ciliary body and iris in vitro. Hayasaka S, et al. **Jpn J Ophthalmol** 1986;30(2):185–91

Lysosomal enzymes in tear fluids from patients with ocular diseases. Kitaoka M, et al. **Jpn J Ophthalmol** 1986; 30(2):154–7

Inhibitory effect of human urinary trypsin inhibitor (urinastatin) on lysosomal thiol proteinases. Shikimi T, et al. **Jpn J Pharmacol** 1986 Dec;42(4):571–4

Regulation of lysosomal proteolysis in burn injury. pdessey R. **Metabolism** 1987 Jul;36(7):670–6

Defining the intracellular localization pathways followed by lysosomal enzymes in Dictyostelium discoideum. Cardelli JA, et al. **Methods Cell Biol** 1987;28:139–55

Developmental aspects of the lysosomal apparatus of mouse liver. Bertini F, et al. **Microsc Electron Biol Celular** 1986 Dec;10(2):125–32

Modifications of lysosomal enzymes in Dictyostelium discoideum. Freeze HH. **Mol Cell Biochem** 1986 Nov-Dec; 72(1–2):47–65

Preliminary characterization of a Chinese hamster ovary cell glycosylation mutant isolated by screening for low intracellular lysosomal enzyme activity. Hall CW, et al. **Mol Cell Biochem** 1986 Nov-Dec;72(1–2):35–45

Monocyte-related functions expressed in cell lines established from human pancreatic adenocarcinoma. I. Comparative analysis of endocytotic activity, lysosomal enzyme secretion, and superoxide anion production. Kern HF, et al. **Pancreas** 1987;2(2):212–21

The lung lysosomal hydrolases and phospholipase A in acute experimental pancreatitis with reference to heparin treatment. Wereszczyńska U, et al. **Pathol Res Pract** 1986 Oct;181(5):576–85

Effects of botulinum toxin induced muscle paralysis on endocytosis and lysosomal enzyme activities in mouse skeletal muscle. Tågerud S, et al. **Pflugers Arch** 1986 Sep; 407(3):275–8

The lysosomal distribution of cathepsin B in the rat kidney cortex. Andersen KJ, et al. **Renal Physiol** 1986;9(6):375–83

Abnormal expression of lysosomal cysteine proteinases in muscle wasting diseases. Katunuma N, et al. **Rev Physiol Biochem Pharmacol** 1987;108:1–20 (73 ref.)

Lysosomal enzyme pattern in lung lymph and blood during E. coli sepsis in sheep. Andreasson S, et al. **Scand J Clin Lab Invest** 1987 Jun;47(4):355–62

The role of superoxide anion and lysosomal enzymes in anti-listerial activity of elicited peritoneal macrophages. Hashimoto S, et al. **Scand J Immunol** 1986 Oct;24(4):429–36

Neutrophil lysosomal enzyme release and complement activation during cardiopulmonary bypass. Antonsen S, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(1):47–52

Thallium induced changes in behavioral patterns: correlation with altered lipid peroxidation and lysosomal enzyme activity in brain regions of male rats. Brown DR, et al. **Toxicol Ind Health** 1985 Sep;1(1):81–98

Lysosomal enzyme replacement in neural tissue by allogeneic bone marrow transplantation following total lymphoid irradiation in canine fucosidosis. Taylor RM, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2730–4

Correction of lysosomal enzyme deficiency in various organs of beta-glucuronidase-deficient mice by allogeneic bone marrow transplantation. Hoogerbrugge PM, et al. **Transplantation** 1987 May;43(5):609–14

Lysosomal localization of secretory prostatic acid phosphatase in human hyperplastic prostate epithelium. Zondervan PE, et al. **Urol Res** 1986;14(6):331–5

Cultured bovine monocytes exhibit decreased release of superoxide anion and increased levels of lysosomal enzymes but do not secrete detectable lysozyme activity. Zurbrick BG, et al. **Vet Immunol Immunopathol** 1986 Sep; 13(1–2):85–95

[Serum lysosomal hydrolases in various forms of scleroderma] Bonafé JL, et al. **Ann Dermatol Venereol** 1986; 113(11):1059–63 (Eng. Abstr.) **(Fre)**

[Phosphorylation of lysosomal hydrolases in human cancer and its significance] Makita A, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2002–9 (Eng. Abstr.) **(Jpn)**

[The effect of pharmacological pretreatment on the long-term globally ischemic heart; lysosome, cyclic nucleotide and myocardial injury] Yokoyama M. **Nippon Geka Gakkai Zasshi** 1987 Jan;88(1):109–18 (Eng. Abstr.) **(Jpn)**

[Lysosomal enzyme activity in peripheral blood lymphocytes in patients with sarcoidosis of the respiratory system] Ruszel KB. **Pneumonol Pol** 1987 Mar;55(3):109–14 (Eng. Abstr.) **(Pol)**

[Lysosomal enzymes in lymphocytes in experimental lymphatic leukemia in mice] Madej JA. **Pol Arch Weter** 1986;25(4):19–29 (Eng. Abstr.) **(Pol)**

[Lysosomal enzymes of peripheral blood lymphocytes in patients with stomach cancer] Moszczyński P, et al. **Pol Tyg Lek** 1986 Nov 17;41(46):1451–4 (Eng. Abstr.) **(Pol)**

[Selected lysosomal enzyme activity in the scales of psoriatic eruptions] Bienias L, et al. **Przegl Dermatol** 1986 May-Jun; 73(3):191–3 (Eng. Abstr.) **(Pol)**

[Isolation and various properties of soluble and membrane-bound acid RNAse from rat brain lysosomes] Nechaeva GA. **Biokhimiia** 1986 Oct;51(10):1688–95 (Eng. Abstr.) **(Rus)**

[Extracellular breakdown of collagen as affected by lysosomal enzymes during the involution of liver cirrhosis] Ryvniak VV. **Biull Eksp Biol Med** 1986 Dec;102(12):760–3 (Eng. Abstr.) **(Rus)**

[Mechanisms of autoregulation of the degree of solubility of lysosomal enzymes] Frolov VA, et al. **Patol Fiziol Eksp Ter** 1986 Jul-Aug;(4):39–41 (Eng. Abstr.) **(Rus)**

[Effect of the segregation of neutral red, acridine orange and ammonium chloride by L cells (subline LSM) on lysosomal hydrolase activity] Bulychev AG, et al. **Tsitologiia** 1986 Jul;28(7):703–12 (Eng. Abstr.) **(Rus)**

[Disorders of lipid peroxidation and of lysosomal hydrolase activity and their correction in psoriasis patients] Ivanova IP, et al. **Vestn Dermatol Venerol** 1987;(4):26–31 (Eng. Abstr.) **(Rus)**

[Effectiveness of essentiale and vitohepatum as stabilizers of liver lysosomal membranes] Fomichenko KV, et al. **Vopr Med Khim** 1986 Sep-Oct;32(5):21–4 (Eng. Abstr.) **(Rus)**

[Inhibitory effect of sodium thiomalate on the extracellular release of lysosomal enzymes in rats with adjuvant arthritis] Carević O. **Reumatizam** 1986;33(1–2):1–6 (Eng. Abstr.) **(Ser)**

METABOLISM

Flow cytofluorometry of lysosomal acridine orange uptake by living cultured cells. Effect of trypsinization and starvation. Olsson M, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1987 Jul; 95(4):159–65

Failure of lysosomal release of vitamin B12: a new complementation group causing methylmalonic aciduria (cblF). Watkins D, et al. **Am J Hum Genet** 1986 Sep; 39(3):404–8

Elevated urinary dolichol excretion in the Hermansky-Pudlak syndrome. Indicator of lysosomal dysfunction. Witkop CJ Jr, et al. **Am J Med** 1987 Mar; 82(3):463–70

Efficient routing of glucocerebrosidase to lysosomes requires complex oligosaccharide chain formation. Aerts JM, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):452–8

N-acetylneuraminic acid accumulation in a buoyant lysosomal fraction of cultured fibroblasts from patients with infantile generalized N-acetylneuraminic acid storage disease. Hildreth J 4th, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):838–44

The activation of protein degradation in muscle by Ca2+ or muscle injury does not involve a lysosomal mechanism. Furuno K, et al. **Biochem J** 1986 Aug 1;237(3):859–64

Cystine transport in purified rat liver lysosomes. Jonas AJ. **Biochem J** 1986 Jun 15;236(3):671–7

Disulphide reduction in lysosomes. The role of cysteine. Lloyd JB. **Biochem J** 1986 Jul 1;237(1):271–2

Regulation of lysosomal fusion during deprivation-induced autophagy in perfused rat liver. Surmacz CA, et al. **Biochem J** 1987 Mar 1;242(2):453–8

Effects of various basic compounds on the degradation of formaldehyde-treated 125I-labeled bovine serum albumin in mouse liver lysosomes. Matsumoto Y, et al. **Biochem Med Metab Biol** 1987 Apr;37(2):220–7

Enhancement by a synthetic isoprenoid of the toxicity of conjugates of epidermal growth factor with Pseudomonas exotoxin. Akiyama S, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):861–8

Lysosomal membrane glycoproteins: properties of LAMP-1 and LAMP-2. Chen JW, et al. **Biochem Soc Symp** 1986; 51:97–112

The lysosomal H+ pump: 8-azido-ATP inhibition and the role of chloride in H+ transport. Cuppoletti J, et al. **Biochim Biophys Acta** 1987 May 29;899(2):276–84

Intracellular protein catabolism: evidence for sequestration of proteins into an intermediate-filament fraction before lysosomal degradation. Mayer RJ, et al. **Biomed Biochim Acta** 1986;45(11–12):1591–602

Studies with a monoclonal antibody against activated platelets: evidence that a secreted 53,000-molecular weight lysosome-like granule protein is exposed on the surface of activated platelets in the circulation. Nieuwenhuis HK, et al. **Blood** 1987 Sep;70(3):838–45

Cycling of the integral membrane glycoprotein, LEP100, between plasma membrane and lysosomes: kinetic and morphological analysis. Lippincott-Schwartz J, et al. **Cell** 1987 Jun 5;49(5):669–77

Thyroglobulin, the major and obligatory exportable protein of thyroid follicle cells, carries the lysosomal recognition marker mannose-6-phosphate. Herzog V, et al. **EMBO J** 1987 Mar;6(3):555–60

Internalization and lysosomal association of [125I]angiotensin II in norepinephrine-containing cells of the rat adrenal medulla. Bianchi C, et al. **Endocrinology** 1986 Oct; 119(4):1873–5

Glucocerebrosidase deficiency and lysosomal storage of glucocerebroside induced in cultured macrophages. Das PK, et al. **Exp Cell Res** 1987 Feb;168(2):463–74

Intracellular fate of ferritin in HeLa cells following microinjection. Hultcrantz R, et al. **Exp Cell Res** 1987 Jul; 171(1):203–12

Programmed cell death. Cytochemical evidence for accumulation of calcium in mitochondria and its translocation into lysosomes: X-ray microanalysis in metamorphosing insect muscles. Beaulaton J. **Histochem J** 1986 Oct;18(10):527–36

Simultaneous ultrastructural demonstration of heavy metals (silver, mercury) and acid phosphatase. Thorlacius-Ussing O, et al. **Histochem J** 1986 Nov-Dec;18(11–12):639–46

Lectin binding sites in Paramecium tetraurelia cells. II. Labeling analysis predominantly of non-secretory components. Lüthe N, et al. **Histochemistry** 1986; 85(5):377–88

Studies on the lysosomal binding of 141Ce, 239Np, 239Pu and 241Am in rat and Syrian hamster liver using carrier-free electrophoresis. Seidel A, et al. **Int J Rad Appl Instrum [B]** 1986;13(5):515–8

Effects of ischemia on lysosomes. Wattiaux R, et al.

Int Rev Exp Pathol 1984;26:85–106 (45 ref.)

Biosynthesis, glycosylation, movement through the Golgi system, and transport to lysosomes by an N-linked carbohydrate-independent mechanism of three lysosomal integral membrane proteins. Barriocanal JG, et al. **J Biol Chem** 1986 Dec 15;261(35):16755–63

Characteristics of a lysosomal membrane transport system for tyrosine and other neutral amino acids in rat thyroid cells. Bernar J, et al. **J Biol Chem** 1986 Dec 25; 261(36):17107–12

Effect of subunit size and conformation on the rate of lysosomal degradation of extracellular proteins in cultured mouse peritoneal macrophages. Buktenica S, et al. **J Biol Chem** 1987 Aug 25;262(24):11611–5

1,25-Dihydroxyvitamin D3-mediated intestinal calcium transport. Biochemical identification of lysosomes containing calcium and calcium-binding protein (calbindin-D28K). Nemere I, et al. **J Biol Chem** 1986 Dec 5;261(34):16106–14

Characterization of carrier-mediated transport systems for small neutral amino acids in human fibroblast lysosomes. Pisoni RL, et al. **J Biol Chem** 1987 May 5;262(13):6010–7

Lysosomal cystine transport. Effect of intralysosomal pH and membrane potential. Smith ML, et al. **J Biol Chem** 1987 Jan 25;262(3):1244–53

A thermosensitive lesion in a Chinese hamster cell mutant causing differential effects on the acidification of endosomes and lysosomes. Timchak LM, et al. **J Biol Chem** 1986 Oct 25;261(30):14154–9

Mannose-6-phosphate receptors for lysosomal enzymes cycle between the Golgi complex and endosomes. Brown WJ, et al. **J Cell Biol** 1986 Oct;103(4):1235–47

Lysosomal delivery of the major myelin glycoprotein in the absence of myelin assembly: posttranslational regulation of the level of expression by Schwann cells. Brunden KR, et al. **J Cell Biol** 1987 Mar;104(3):661–9

Limited and selective transfer of plasma membrane glycoproteins to membrane of secondary lysosomes. Haylett T, et al. **J Cell Biol** 1986 Oct;103(4):1249–56

Cytochrome P-450 and NADPH-cytochrome P-450 reductase are degraded in the autolysosomes in rat liver [published erratum appears in J Cell Biol 1987 Jul;105(1):609] Masaki R, et al. **J Cell Biol** 1987 May; 104(5):1207–15

Differential and sequential delivery of fluorescent lysosomal probes into phagosomes in mouse peritoneal macrophages. Wang YL, et al. **J Cell Biol** 1987 Jun;104(6):1749–54

Effects of temperature, pH elevators, and energy production inhibitors on horseradish peroxidase transport through endocytic vesicles. Sullivan PC, et al. **J Cell Physiol** 1987 Apr;131(1):58–63

Breakdown of lysosomal glycogen in cultured fibroblasts from glycogenosis type II patients after uptake of acid alpha-glucosidase. van der Ploeg AT, et al. **J Neurol Sci** 1987 Jul;79(3):327–36

Biodegradable microspheres. VI: Lysosomal release of covalently bound antiparasitic drugs from starch microparticles. Laakso T, et al. **J Pharm Sci** 1987 Feb; 76(2):134–40

Lysosomes of the renal cortex: heterogeneity and role in protein handling. Andersen KJ, et al. **Kidney Int** 1987 Apr; 31(4):886–97

Lysosomal characteristics of human renin-containing granules [letter] Fransen JA. **Lab Invest** 1987 Jan;56(1):124

The hepatic lysosomes in acute experimental pancreatitis in dogs. Długosz J. **Mater Med Pol** 1986 Jul-Sep;18(3):144–7

Activator proteins for lysosomal glycolipid hydrolysis. Conzelmann E, et al. **Methods Biochem Anal** 1987;32:1–23 (106 ref.)

Activator proteins for lysosomal glycolipid hydrolysis. Conzelmann E, et al. **Methods Enzymol** 1987;138:792–815

Intralysosomal hydrolysis of thyroglobulin: specific and cAMP-mediated activation by TSH. Fouchier F, et al. **Mol Cell Endocrinol** 1987 Jan;49(1):25–31

Lysosomal cystine transport in cystinosis variants and their parents. Gahl WA, et al. **Pediatr Res** 1987 Feb;21(2):193–6

[Effect of ethanol and acetaldehyde on the release and activity of proteases and protein degradation in the rat liver (in vitro and in vivo studies)] Skrzydlewska E. **Folia Med Cracov** 1987;28(1–2):205–14 (Eng. Abstr.) **(Pol)**

[Lysosomal cation test in gastroduodenal diseases] Pigarevskiĭ VE, et al. **Lab Delo** 1986;(7):397–401 (Eng. Abstr.) **(Rus)**

[Activity of autophagocytosis in the lysosomes of rat liver cells during stressful metabolic processes] Malygin AE, et al. **Patol Fiziol Eksp Ter** 1986 Jul-Aug;(4):35–8 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Lysosomal changes during thyroxine-induced left ventricular hypertrophy in rabbits. Parmacek MS, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):C737–47

PHYSIOLOGY

Investigation into the role of dopamine and lysosomes in the impairment of prolactin transformation and release imposed by long periods of non-suckling in the rat. Mena F, et al. **Acta Endocrinol (Copenh)** 1987 Mar;114(3):371–8

Lysosome rich cells contain the lytic activity of lymphokine-activated killer cell populations. Agah R, et al. **Cancer Immunol Immunother** 1987;24(3):247–52

Degradation of short- and long-lived proteins in perfused liver and in isolated autophagic vacuoles--lysosomes. Henell F, et al. **Exp Mol Pathol** 1987 Feb;46(1):1–14

Fusion of storage lysosomes in experimental lipidosis and glycogenosis. Lüllmann-Rauch R, et al. **Exp Mol Pathol** 1987 Feb;46(1):136–43

Lysosomal and non-lysosomal pathways of intracellular insulin degradation in isolated rat hepatocytes. Draznin B, et al. **Horm Res** 1981;15(4):252–62

Discrepancy in assessment of phagosome-lysosome fusion with two lysosomal markers in murine macrophages infected with Candida albicans. Mor N, et al. **Infect Immun** 1987 Jul;55(7):1663–7

Inhibition of lysosomal fusion by Trypanosoma cruzi in peritoneal macrophages. Osuna A, et al. **Int J Parasitol** 1986 Dec;16(6):629–32

Polyanionic agents as inhibitors of phagosome-lysosome fusion in cultured macrophages: evolution of an alternative interpretation. Goren MB, et al. **J Leukocyte Biol** 1987 Feb;41(2):111–21

Polyanionic agents do not inhibit phagosome-lysosome fusion in cultured macrophages. Goren MB, et al. **J Leukocyte Biol** 1987 Feb;41(2):122–9

Intracellular digestion of reovirus particles requires a low pH and is an essential step in the viral infectious cycle. Sturzenbecker LJ, et al. **J Virol** 1987 Aug;61(8):2351–61

[Effect of multiple exposure to stress on the lysosomal system of neutrophilic leukocytes] Lunina NV, et al. **Fiziol Zh SSSR** 1986 Jul;72(7):952–8 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Lysosomal proteinase activity in the small intestine and liver of irradiated animals following thermal exposure] Nesterenko VS. **Radiobiologiia** 1987 Mar-Apr;27(2):270–2 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

In vivo exocytosis of lysosomes by the endothelium of the venous sinuses of bone marrow and liver: visualization at normal and low body temperature. De Bruyn PP, et al. **Am J Anat** 1986 Sep;177(1):35–41

Morphometric and cytochemical analysis of lysosomes in rat Peyer's patch follicle epithelium: their reduction in volume fraction and acid phosphatase content in M cells compared to adjacent enterocytes. Owen RL, et al. **Anat Rec** 1986 Dec;216(4):521–7

Behaviour of lysosomes in the cells of transplantable and natural lymphatic leukaemia in mice in the light of cytoenzymatic and electron microscopic examinations. Madej JA, et al. **Arch Exp Veterinarmed** 1986 Jul; 40(4):486–95

Trypanosoma cruzi: phagolysosomal fusion after invasion into non professional phagocytic cells. de Meirelles M de N, et al. **Cell Struct Funct** 1987 Aug;12(4):387–93

Ultracytochemical evidence for the presence of GERL in pinealocytes of the Mongolian gerbil (Meriones unguiculatus). Krstić R. **Cell Tissue Res** 1986;246(3):583–8

Lysosomes and pancreatic islet function: intracellular insulin degradation and lysosomal transformations. Borg LA, et al. **Diabetes Res** 1986 Jul;3(6):277–85

The phagocytic function of Sertoli cells: a morphological, biochemical, and endocrinological study of lysosomes and acid phosphatase localization in the rat testis. Chemes H. **Endocrinology** 1986 Oct;119(4):1673–81

Phagosomal acidification in Paramecium: effects on lysosomal fusion. Fok AK, et al. **Eur J Cell Biol** 1987 Jun; 43(3):412–20

Lysosomal membrane fragility and catabolism of cytosolic proteins: evidence for a direct relationship. Moore MN, et al. **Experientia** 1987 Mar 15;43(3):320–3

Multivesicular bodies isolated from rat hepatocytes. Cytochemical evidence for transformation into secondary lysosomes by fusion with primary lysosomes. Jost-Vu E, et al. **Histochemistry** 1986;85(6):457–66

Immunocytochemical localization of sphingolipid activator protein-1, the sulfatide/GM1 ganglioside activator, to lysosomes in human liver and colon. Tamaru T, et al. **Histochemistry** 1986;86(2):195–200

Lysosomal membrane stabilization by enfenamic acid. Rao AB, et al. **Indian J Exp Biol** 1986 Dec;24(12):771–2

Ultracytochemical studies of lysosomal function in the macrophages of human leprosy—I. Bharadwaj VP, et al. **Int J Lepr Other Mycobact Dis** 1987 Jun;55(2):328–32

Ultrastructural study of GERL in beige mouse alveolar macrophages. Essner E, et al. **J Cell Biol** 1977 Nov;75(2 Pt 1):381–7

Rapid analytical and preparative isolation of functional endosomes by free flow electrophoresis. Marsh M, et al. **J Cell Biol** 1987 Apr;104(4):875–86

Tubular lysosomes accompany stimulated pinocytosis in macrophages. Swanson J, et al. **J Cell Biol** 1987 May; 104(5):1217–22

Distribution of basal lysosomes in exocrine acinar cells. Oliver C, et al. **J Histochem Cytochem** 1987 May; 35(5):565–70

Assay of phagosome-lysosome fusion. Kielian M. **Methods Enzymol** 1986;132:257–67

Tubular lysosome morphology and distribution within macrophages depend on the integrity of cytoplasmic microtubules. Swanson J, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1921–5

Integrated image and X-ray microanalysis of hepatic lysosomes in a patient with idiopathic hemosiderosis before and after treatment by phlebotomy. Cleton MI, et al. **Scan Electron Microsc** 1986;(Pt 3):999–1006

The distribution of four lysosomal integral membrane proteins (LIMPs) in rat basophilic leukemia cells. Suárez-Quian CA. **Tissue Cell** 1987;19(4):495–504

Ultrastructural diagnosis of amelanotic malignant melanoma: aberrant melanosomes, myelin figures or lysosomes? Erlandson RA. **Ultrastruct Pathol** 1987;11(2–3):191–208

Characterization of the proteolytic compartment in rat hepatocyte nodules. Ahlberg J, et al. **Virchows Arch [B]** 1987;53(2):79–88

[Lysosomes in the development of disorders of myocardial contractile function in infectious-allergic myocarditis] Odinokova VA, et al. **Sov Med** 1987;(2):11–3 (Eng. Abstr.) **(Rus)**

LYSOSTAPHIN

GENETICS

Cloning, sequence, and expression of the lysostaphin gene from Staphylococcus simulans. Recsei PA, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1127–31

METABOLISM

Lysostaphin lysis procedure for detection of Staphylococcus aureus by the firefly bioluminescent ATP method. Tuncan EU, et al. **Appl Environ Microbiol** 1987 Jan;53(1):88–91

PHARMACODYNAMICS

Effect of the composition of reversion medium on change of Staphylococcus aureus lysostaphin protoplasts to coccal forms and L-forms. Kato Y, et al. **Biken J** 1986 Jun; 29(2):39–44

Lysostaphin-based assay of human granulocyte functions: a reevaluation. Urbanitz D, et al. **Klin Wochenschr** 1986 Oct 15;64(20):1029–35

LYSOZYME see **MURAMIDASE**

LYSYL OXIDASE see under **AMINO ACID OXIDOREDUCTASES**

LYSYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

LYT 1 ANTIGEN see **ANTIGENS, LY**

M PERIOD see **MITOSIS**

MACACA

The primate as a model for hazard assessment of teratogens in humans. Korte R, et al. **Arch Toxicol [Suppl]** 1987; 11:115–21

Nondependent monkeys self-administer hydromorphone. Ternes JW, et al. **Behav Neurosci** 1985 Jun;99(3):583–8

Preferences of female rhesus monkeys (Macaca mulatta) for infantile coloration. Higley JD, et al. **Dev Psychobiol** 1987 Jan;20(1):7–18

Selective interference in rhesus monkey (Macaca mulatta) intragroup agonistic episodes by age-sex class. Bernstein IS, et al. **J Comp Psychol** 1986 Dec;100(4):380–4

Categorization of natural stimuli by monkeys (Macaca mulatta): effects of stimulus set size and modification of exemplars. Schrier AM, et al. **J Exp Psychol [Anim Behav]** 1987 Apr;13(2):136–43

Dependence on tetrahydrocannabinol in rhesus monkeys. Beardsley PM, et al. **J Pharmacol Exp Ther** 1986 Nov; 239(2):311–9

Induction of simian acquired immune deficiency syndrome (SAIDS) with a molecular clone of a type D SAIDS retrovirus. Heidecker G, et al. **J Virol** 1987 Oct; 61(10):3066–71

Periapical abscesses of cut canine teeth in cynomolgus macaques. Curtis JW Jr, et al. **Lab Anim** 1986 Oct; 20(4):277–80

Naturally occurring melioidosis in a colonized rhesus monkey (Macaca mulatta). Fritz PE, et al. **Lab Anim** 1986 Oct; 20(4):281–5

Conditioning and breeding facilities for the cynomolgus monkey (Macaca fascicularis) in the Philippines: a progress report on the SICONBREC project. Hobbs KR, et al. **Lab Anim** 1987 Apr;21(2):131–7

Calcite urolith in a cynomolgus monkey. Renlund RC, et al. **Lab Anim Sci** 1986 Oct;36(5):536–7

Pelvic endometriosis associated with infarctions of the colon in a rhesus monkey. Schaerdel AD. **Lab Anim Sci** 1986 Oct;36(5):533–6

Alcoholic-like drinking in simian social groups. Crowley TJ, et al. **Psychopharmacology (Berlin)** 1987;92(2):196–205

The neurovirulence of flaviviruses in crab-eating monkeys (Macaca fascicularis). Angsubhakorn S, et al. **Southeast Asian J Trop Med Public Health** 1986 Dec; 17(4):604–12

Evidence of hepatitis A infection in immature rhesus monkeys. Lankas GR, et al. **Vet Pathol** 1987 Jul;24(4):340–4

Port-wine nevus-like arteriovenous malformation in a rhesus monkey (Macaca mulatta). Latendresse JR, et al.

Vet Pathol 1987 Mar;24(2):197–9
[In vitro cultivation of Plasmodium cynomolgi bastianelli in hepatocytes of the Macaca rhesus] Millet P, et al.
Ann Parasitol Hum Comp 1987;62(1):5–7 (Eng. Abstr.) (Fre)
[Review: Acquired immunodeficiency syndrome of man (AIDS) and of primates (SAIDS)] Trautwein G. DTW 1987 Feb 9;94(2):77–9 (61 ref.) (Eng. Abstr.) (Ger)
[Incidence of trauma in a breeding and rearing colony of cynomolgus monkeys (Macaca fascicularis)] Tanaka Y, et al. Jikken Dobutsu 1986 Jul;35(3):315–9 (Eng. Abstr.) (Jpn)
[Experimental Mycoplasma infection of the urogenital tract in monkeys] Marantidi AN, et al.
Zh Mikrobiol Epidemiol Immunobiol 1987 Jan;(1):87–90 (Eng. Abstr.) (Rus)

ANATOMY & HISTOLOGY

Ultrastructure of the submandibular gland in 2 species of macaques. Nagato T, et al. Acta Anat (Basel) 1986; 126(4):255–62
Quantitative morphology of the primate peripheral retina (Macaca irus). Krebs W, et al. Am J Anat 1987 Jun; 179(2):198–208
Ontogenetic plasticity in nonhuman primates: I. Secular trends in the Cayo Santiago macaques. DeRousseau CJ, et al. Am J Phys Anthropol 1987 Jul;73(3):279–87
Light and electron microscopic immunohistochemical studies of serotonin nerve fibers in the substantia nigra of the rat, cat and monkey. Mori S, et al. Anat Embryol (Berl) 1987; 176(1):13–8
Fiber-type composition of selected hindlimb muscles of a primate (cynomolgus monkey). Acosta L Jr, et al.
Anat Rec 1987 Jun;218(2):136–41
Venous distribution of superficial cervical region in rhesus (Macaca mulatta) monkey. Al-Lami F, et al. Anat Rec 1986 Sep;216(1):82–4
The monkey's paw. Goldsmith LA. Arch Dermatol 1986 Nov; 122(11):1333–4
A specialized innervation of the tensor tympani muscle in Macaca fascicularis. Gannon PJ, et al. Brain Res 1987 Feb 24;404(1–2):257–62
The innervation of the myometrium of the cynomolgus monkey (Macaca fascicularis). A quantitative electron-microscopic study. Barbe MP, et al.
Cell Tissue Res 1986;246(3):575–81
Central distribution of the cervical vagus nerve in Old and New World primates. Hamilton RB, et al.
J Auton Nerv Syst 1987 May;19(2):153–69
Architecture and frontal cortical connections of the premotor cortex (area 6) in the rhesus monkey. Barbas H, et al.
J Comp Neurol 1987 Feb 8;256(2):211–28
A quantitative study of the distribution of neurons projecting to the precentral motor cortex in the monkey (M. fascicularis). Ghosh S, et al. J Comp Neurol 1987 May 15; 259(3):424–44
Amygdalofugal and amygdalopetal connections with modality-specific visual cortical areas in macaques (Macaca fuscata, M. mulatta, and M. fascicularis). Iwai E, et al.
J Comp Neurol 1987 Jul 15;261(3):362–87
Histochemical and architectonic differentiation of zones of pretectal and collicular inputs to the pulvinar and dorsal lateral geniculate nuclei in the macaque. Lysakowski A, et al. J Comp Neurol 1986 Aug 22;250(4):431–48
Development of the rhesus monkey retina: II. A three-dimensional analysis of the sequences of synaptic combinations in the inner plexiform layer. Nishimura Y, et al. J Comp Neurol 1987 Aug 8;262(2):290–313
Distribution of axons according to diameter in the monkey's optic tract. Reese BE, et al. J Comp Neurol 1987 Jun 15; 260(3):453–60
The afferent input to the magnocellular division of the mediodorsal thalamic nucleus in the monkey, Macaca fascicularis. Russchen FT, et al. J Comp Neurol 1987 Feb 8;256(2):175–210
Cingulate cortex of the rhesus monkey: I. Cytoarchitecture and thalamic afferents. Vogt BA, et al. J Comp Neurol 1987 Aug 8;262(2):256–70
Cingulate cortex of the rhesus monkey: II. Cortical afferents. Vogt BA, et al. J Comp Neurol 1987 Aug 8;262(2):271–89
A study of neurotrophism in a primate model. Mackinnon SE, et al. J Hand Surg [Am] 1986 Nov;11(6):888–94
Morphometric studies of the heart in normal rhesus monkeys (Macaca mulatta). Swindle MM, et al. J Med Primatol 1986;15(6):433–40
Long-range focal collateralization of axons arising from corticocortical cells in monkey sensory-motor cortex. DeFelipe J, et al. J Neurosci 1986 Dec;6(12):3749–66
Representation of the main branches of the facial nerve within the facial nucleus of the Japanese monkey (Macaca fuscata). Satoda T, et al. Neurosci Lett 1987 Aug 5; 78(3):283–7
Do the cardiac glands exist? 1. The macaque. Imai M, et al. Okajimas Folia Anat Jpn 1987 May;64(1):59–69
[Specifications of the facial nerve in the Macaca (Macaca sinicus)] Laude M, et al.
Bull Group Int Rech Sci Stomatol Odontol 1986 Oct–Dec; 294(3–4):171–9 (Eng. Abstr.) (Fre)
[Distribution of the dorsal root ganglion cell bodies innervating the abdominal and pelvic viscera in the monkey] Taniguchi Y. Fukuoka Igaku Zasshi 1986 Sep; 77(9):500–25 (Eng. Abstr.) (Jpn)
[Motoneuron localization of the spinal accessory nerve in the monkey] Matsuda M, et al. Igaku Kenkyu 1986 Dec; 56(3):129–34 (Eng. Abstr.) (Jpn)

BLOOD

A microagglutination test for blood typing rhesus monkeys, Macaca mulatta. Kochan KL, et al. Anim Genet 1986; 17(4):353–8
A species comparison of low density lipoprotein heterogeneity in nonhuman primates fed atherogenic diets. Marzetta CA, et al. J Lipid Res 1986 Jul;27(7):753–62
Blood variables in adult stumptail macaques (Macaca arctoides) living in a captive group; annual variability. de Neef KJ, et al. J Med Primatol 1987;16(4):237–47
Glycosylated haemoglobin (Hb A1) in normal rhesus monkeys (Macaca mulatta). Srinivas M, et al.
J Med Primatol 1986;15(5):361–5
An avidin–biotin micro-enzymeimmunoassay for monkey chorionic gonadotrophin. Chakrabarti R, et al.
J Reprod Fertil 1987 May;80(1):151–8
Normal hematologic values in the cynomolgus monkeys aged from 1 to 18 years. Sugimoto Y, et al. Jikken Dobutsu 1986 Oct;35(4):443–7
Changes in hematologic values in 11 months after birth in the cynomolgus monkeys. Sugimoto Y, et al.
Jikken Dobutsu 1986 Oct;35(4):449–54
[Age-related changes in hematological and serum biochemical values in cynomolgus monkeys (Macaca fascicularis) bred and reared using the indoor individually-caged system] Yoshida T, et al.
Jikken Dobutsu 1986 Jul;35(3):329–38 (Eng. Abstr.) (Jpn)
[The effects of ketamine anesthesia on hematological and serum biochemical values in female cynomolgus monkeys (Macaca fascicularis)] Yoshida T, et al. Jikken Dobutsu 1986 Oct;35(4):455–61 (Eng. Abstr.) (Jpn)

EMBRYOLOGY

Differentiation of the embryonic disc, amnion, and yolk sac in the rhesus monkey. Enders AC, et al. Am J Anat 1986 Oct;177(2):161–85
Quantitative aspects of the cell cycle in the cranial neural tube of the rhesus monkey (Macaca mulatta) during early stages of gestation. Wilson DB, et al.
J Craniofac Genet Dev Biol 1986;6(4):363–8
Fetal lung development in male and female nonhuman primates. Perelman RH, et al. Pediatr Res 1986 Oct; 20(10):987–91

GENETICS

Genetics of a wild population of rhesus monkeys (Macaca mulatta): II. The Dunga Gali population in species-wide perspective. Melnick DJ, et al. Am J Phys Anthropol 1986 Oct;71(2):129–40
Mate choice by lineage in three captive groups of rhesus macaques (Macaca mulatta). Smith DG, et al.
Am J Phys Anthropol 1987 Jun;73(2):185–91
A comparison of the karyotypes of six species of the genus Macaca and a species of the genus Cercocebus. Brown CJ, et al. Folia Primatol (Basel) 1986;46(3):164–72
Nucleotide sequence of the BamHI repetitive sequence, including the HindIII fundamental unit, as a possible mobile element from the Japanese monkey Macaca fuscata. Prassolov VS, et al. J Mol Evol 1986;23(3):200–4
Nucleotide sequence of the beta-globin genes in gorilla and macaque: the origin of nucleotide polymorphisms in human. Savatier P, et al. J Mol Evol 1987;24(4):309–18
Nucleotide sequence of the delta-beta-globin intergenic segment in the macaque: structure and evolutionary rates in higher primates. Savatier P, et al. J Mol Evol 1987; 24(4):297–308

GROWTH & DEVELOPMENT

The role of gonadal steroids in feedback regulation of gonadotropin secretion at different stages of primate development. Winter JS, et al.
Acta Endocrinol (Copenh) 1987 Feb;114(2):257–68
Longitudinal study of craniofacial growth in Macaca fascicularis. Nanda R, et al. Am J Phys Anthropol 1987 Jun;73(2):215–25
Lifetime reproductive success in female Japanese macaques. Fedigan LM, et al. Folia Primatol (Basel) 1986; 47(2–3):143–57

IMMUNOLOGY

The effect of skin allograft survival of a monoclonal antibody specific for a polymorphic CD3-like cell surface molecule in rhesus monkeys. Nooij FJ, et al. Eur J Immunol 1987 Aug;17(8):1089–93
Evolution of HLA class I epitopes defined by murine monoclonal antibodies: distribution in macaques. Gaur LK, et al. Hum Immunol 1986 Dec;17(4):406–15
Rhesus monkey responses to multiple injections of human monoclonal antibodies. Ehrlich PH, et al. Hybridoma 1987 Apr;6(2):151–60
The inheritance of a Macaca fascicularis red cell antigen detected by CAMPATH-1 antibody. de Giorgi L, et al. Immunol Lett 1987 Jun;15(2):101–3
Monkey interleukin 2: optimal conditions for production and partial characterization. Tatsumi M, et al.
Int Arch Allergy Appl Immunol 1986;81(2):118–25
Characterization of primate bronchoalveolar mast cells. I. IgE-dependent release of histamine, leukotrienes, and prostaglandins. Wells E, et al. J Immunol 1986 Dec 15; 137(12):3933–40
Characterization of primate bronchoalveolar mast cells. II. Inhibition of histamine, LTC4, and PGD2 release from primate bronchoalveolar mast cells and a comparison with rat peritoneal mast cells. Wells E, et al. J Immunol 1986 Dec 15;137(12):3941–5
Use of monoclonal antibodies to human lymphocytes to identify lymphocyte subsets in lymph nodes of the rhesus monkey and the dog. Sandusky GE, et al.
J Med Primatol 1986;15(6):441–51
T-cell responses to human AIDS virus in macaques immunized with recombinant vaccinia viruses. Zarling JM, et al. Nature 1986 Sep 25–Oct 1;323(6086):344–6

METABOLISM

Comparison of the subcutaneous and intranasal administration of an LH-RH antagonist ([N-Ac-D-p-Cl-Phe1,2,D-Trp3,D-Arg6,D-Ala10]-LH-RH) in the rhesus monkey. Asch RH, et al.
Adv Contracept 1985 Jun;1(2):109–17
Estrogen and progesterone receptors in the organs of prenatal cynomolgus monkey and laboratory mouse.
Hochner-Celnikier D, et al. Biol Reprod 1986 Oct; 35(3):633–40
Distribution of choline acetyltransferase-, serotonin-, dopamine-beta-hydroxylase-, tyrosine hydroxylase-immunoreactive fibers in monkey primary auditory cortex. Campbell MJ, et al. J Comp Neurol 1987 Jul 8;261(2):209–20
Distribution of neurotensin-like immunoreactivity in the diencephalon of the Japanese monkey (Macaca fuscata). Makino S, et al. J Comp Neurol 1987 Jun 22;260(4):552–63
Effects of synthetic glycosides on steroid balance in Macaca fascicularis. Malinow MR, et al. J Lipid Res 1987 Jan; 28(1):1–9

MICROBIOLOGY

Transmission of simian acquired immunodeficiency syndrome with a type D retrovirus: immunological aspects. Wilson BJ, et al. Clin Immunol Immunopathol 1986 Dec; 41(3):453–60
A comparison of rotavirus strains of bovine, simian and porcine origin. Castrucci G, et al. Eur J Epidemiol 1985 Dec;1(4):274–80
Macaque monkey type D retrovirus replicates in vitro in a distinct subpopulation of B lymphocytes. Yetz JM, et al. J Gen Virol 1987 Feb;68 (Pt 2):573–6
Aerobic mouth flora of the rhesus monkey. Rayan GM, et al. J Hand Surg [Am] 1987 Mar;12(2):299–301
Epidemiology and etiology of diarrhea in colony-born Macaca nemestrina. Russell RG, et al. Lab Anim Sci 1987 Jun;37(3):309–16
Sequence of simian immunodeficiency virus from macaque and its relationship to other human and simian retroviruses. Chakrabarti L, et al. Nature 1987 Aug 6–12;328(6130):543–7
[Adaptation of hepatitis A virus strain (JaM-55) originally pathogenic for monkeys to a cell culture] Andzhaparidze AG, et al. Mol Gen Mikrobiol Virusol 1987 May;(5):40–4 (Eng. Abstr.) (Rus)

PARASITOLOGY

Ultrastructural and microprobe analysis of simian lung mite pigments. Kim JC, et al. Am J Vet Res 1987 Mar; 48(3):511–4
Levels of FDP-aldolase enzyme activity in Plasmodium knowlesi parasitized monkey erythrocytes. Saxena N, et al. Indian J Exp Biol 1986 Aug;24(8):502–4
Antigenic variation of cloned Plasmodium fragile in its natural host Macaca sinica. Sequential appearance of successive variant antigenic types. Handunnetti SM, et al.
J Exp Med 1987 May 1;165(5):1269–83
Comparison of treatments for Psorergates mites in stumptailed macaques (Macaca arctoides). Bowman TA, et al. Lab Anim Sci 1987 Feb;37(1):100–2
Are Asian monkeys the original mammalian hosts of Trypanosoma conorhini? Deane LM, et al.
Mem Inst Oswaldo Cruz 1986 Jan–Mar;81(1):127–9
Histopathology of hepatocystosis in cynomolgus monkeys (Macaca fascicularis) imported from Southeast Asia. Nakazawa M, et al. Nippon Juigaku Zasshi 1987 Apr; 49(2):295–301
Pneumocystis infection in macaque monkeys: Macaca fuscata fuscata and Macaca fascicularis. Matsumoto Y, et al.
Parasitol Res 1987;73(4):324–7

PHYSIOLOGY

Suppression of spermatogenesis in a nonhuman primate (Macaca fascicularis) by concomitant gonadotropin-releasing hormone antagonist and testosterone treatment. Weinbauer GF, et al.
Acta Endocrinol (Copenh) 1987 Jan;114(1):138–46
Infusion of gonadotropin-releasing hormone agonist during pregnancy: maternal and fetal responses in primates. Sopelak VM, et al. Am J Obstet Gynecol 1987 Mar; 156(3):755–60
Loading patterns and jaw movements during mastication in

Macaca fascicularis: a bone-strain, electromyographic, and cineradiographic analysis. Hylander WL, et al. **Am J Phys Anthropol** 1987 Mar;72(3):287–314

Linear-lumped-parameter modeling of pulmonary impedance in monkeys. Wegner CD, et al. **Ann Biomed Eng** 1986;14(5):401–15

Ultrastructural aspects of cynomolgus atherosclerotic carotid artery lesions on cholestyramine 'regression' treatment. Weber G, et al. **Appl Pathol** 1986;4(4):225–32

George Lyman Duff memorial lecture. Personality, gender, and coronary artery atherosclerosis of monkeys. Clarkson TB. **Arteriosclerosis** 1987 Jan–Feb;7(1):1–8

Effects of age and/or puberty on coronary artery atherosclerosis in cynomolgus monkeys. Weingand KW, et al. **Atherosclerosis** 1986 Nov;62(2):137–44

Cardiovascular results from a rhesus monkey flown aboard the Cosmos 1514 spaceflight. Sandler H, et al. **Aviat Space Environ Med** 1987 Jun;58(6):529–36

Homologues of the human C and A apolipoproteins in the Macaca fascicularis (cynomolgus) monkey. Herbert PN, et al. **Biochemistry** 1987 Mar 10;26(5):1457–63

Duration of the cycle of the seminiferous epithelium and its stages in the rhesus monkey (Macaca mulatta). de Rooij DG, et al. **Biol Reprod** 1986 Oct;35(3):587–91

Relationships between ovarian morphology, vaginal cytology, serum progesterone, and urinary immunoreactive pregnanediol during the menstrual cycle of the cynomolgus monkey. Mehta RR, et al. **Biol Reprod** 1986 Nov; 35(4):981–6

Threshold for behavioral response to testosterone in old castrated male rhesus macaques. Phoenix CH, et al. **Biol Reprod** 1986 Nov;35(4):918–26

Age, social rank and lactational status influence ovulatory patterns in seasonally breeding rhesus monkeys. Pope NS, et al. **Biol Reprod** 1986 Sep;35(2):353–9

Seasonal modulation of luteinizing-hormone secretion in female rhesus monkeys. Wilson ME, et al. **Biol Reprod** 1987 May;36(4):975–84

Preliminary studies on the use of magnetic resonance imaging with Gd-DTPA to monitor ovarian function in subhuman primates. Zeleznik AJ, et al. **Biol Reprod** 1987 May; 36(4):971–4

Causes of changes in brain noradrenaline systems and later effects on responses to social stressors in rhesus monkeys: the cascade hypothesis. Kraemer GW. **Ciba Found Symp** 1986;123:216–33

Behavior and physiology in young bonnet monkeys. Reite M, et al. **Dev Psychobiol** 1986 Nov;19(6):567–79

Effects of different gonadotropin pulse frequencies on corpus luteum function during the menstrual cycle of rhesus monkeys. Hutchison JS, et al. **Endocrinology** 1986 Nov; 119(5):1964–71

The rhesus monkey: a primate model for hemopoietic stem cell studies. Monroy RL, et al. **Exp Hematol** 1986 Nov; 14(10):904–11

The rate of biliary cholesterol secretion in high- and low-responding rhesus monkeys. Bhattacharyya AK, et al. **Experientia** 1986 Dec 1;42(11–12):1227–8

The similarity principle underlying social bonding among female rhesus monkeys. de Waal FB, et al. **Folia Primatol (Basel)** 1986;46(4):215–34

Hair pulling and eating in captive rhesus monkey troops. Reinhardt V, et al. **Folia Primatol (Basel)** 1986; 47(2–3):158–64

Does intermale mounting function as a dominance demonstration in rhesus monkeys? Reinhardt V, et al. **Folia Primatol (Basel)** 1986;47(1):55–60

Testosterone, testis size, seasonality, and behavior in group-living stumptail macaques (Macaca arctoides). Nieuwenhuijsen K, et al. **Horm Behav** 1987 Jun; 21(2):153–69

Seasonality of adult male Japanese macaques (Macaca fuscata): androgens and behavior in a confined troop. Rostal DC, et al. **Horm Behav** 1986 Dec;20(4):452–62

Castration, sex steroids, and heterosexual behavior in adult male laboratory-housed stumptailed macaques (Macaca arctoides). Schenck PE, et al. **Horm Behav** 1986 Sep; 20(3):336–53

Influence of follicle stimulating hormone on phosphomonoesterases and adenosine triphosphatases in the ovary of immature bonnet monkeys (Macaca radiata, Geoffroy). Khan KJ, et al. **Indian J Exp Biol** 1986 Aug; 24(8):484–6

Multiple dosing of prostaglandin F2 alpha or epinephrine on cynomolgus monkey eyes. I. Aqueous humor dynamics. Camras CB, et al. **Invest Ophthalmol Vis Sci** 1987 Mar; 28(3):463–9

Sound localization of frequency-modulated sinusoids by Old World monkeys. May B, et al. **J Acoust Soc Am** 1986 Sep; 80(3):776–82

Auditory duration discrimination in Old World monkeys (Macaca, Cercopithecus) and humans. Sinnott JM, et al. **J Acoust Soc Am** 1987 Aug;82(2):465–70

Afferent and efferent projections of the inferior area 6 in the macaque monkey. Matelli M, et al. **J Comp Neurol** 1986 Sep 15;251(3):281–98

Increased hyaluronate and collagen biosynthesis and fibroblast estrogen receptors in macaque sex skin. Bentley JP, et al. **J Invest Dermatol** 1986 Nov;87(5):668–73

Changes in circulating levels of immunoreactive follicle stimulating hormone, luteinizing hormone, and testosterone during sexual development in the rhesus monkey, Macaca mulatta. Arslan M, et al. **J Med Primatol** 1986;15(5):351–9

Social dominance and serum testosterone concentration in dyads of male Macaca fascicularis. Clarke MR, et al. **J Med Primatol** 1986;15(6):419–32

Renin angiotensin aldosterone axis, including aldosterone binding globulin and blood pressure in three species of nonhuman primates. Mavoungou D, et al. **J Med Primatol** 1987;16(4):211–27

An avidin–biotin micro-enzymeimmunoassay for monkey chorionic gonadotrophin. Chakrabarti R, et al. **J Reprod Fertil** 1987 May;80(1):151–8

Comparison of vascular responses of isolated, perfused simian and canine coronary arteries to adrenergic agonists. Nakane T, et al. **Jpn Heart J** 1986 May;27(3):321–8

Adaptation of pregnant rhesus monkeys to short-term chair restraint. Golub MS, et al. **Lab Anim Sci** 1986 Oct; 36(5):507–11

Face touching in primates: a closer look. Suarez SD, et al. **Neuropsychologia** 1986;24(4):597–600

Physiological changes during copulation in male and female stumptail macaques (Macaca arctoides). Slob AK, et al. **Physiol Behav** 1986;38(6):891–5

Evidence on precise time-coded symbols and memory of patterns in monkey cortical neuronal spike trains. Strehler BL, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9812–6

Opiatergic inhibition of pulsatile luteinizing hormone release during the menstrual cycle of rhesus macaques. Orstead KM, et al. **Proc Soc Exp Biol Med** 1987 Mar;184(3):312–9

The mechanism of penile erection in the monkey. Lue TF. **Semin Urol** 1986 Nov;4(4):217–24

[Effect of stressor factors on the behavior of monkeys. III. The behavior of rhesus macaques during immobilization stress] Butovskaia ML, et al. **Biol Nauki** 1986;(7):55–60 (Eng. Abstr.) **(Rus)**

[Orthostatic reaction of heart rhythm in wakeful Macaca mulatta monkeys] Gol'dovskaia MD, et al. **Kosm Biol Aviakosm Med** 1986 Jul–Aug;20(4):86–8 **(Rus)**

SURGERY

Respiration rate, heart rate, and body temperature values in cynomolgus monkeys (Macaca fascicularis) during barbiturate anesthesia. Zola-Morgan S, et al. **J Med Primatol** 1986;15(6):399–408

MACACA FASCICULARIS see under **MACACA**

MACACA MULATTA see under **MACACA**

MACACA NEMESTRINA see under **MACACA**

MACACA RADIATA see under **MACACA**

MACAQUE see **MACACA**

MACE see **CHLOROACETOPHENONE**

MACHADO–JOSEPH DISEASE see **SPINOCEREBELLAR DEGENERATIONS**

MACHIAVELLIANISM see under **PERSONALITY**

MACROGLOBULINEMIA

Macroglobulinemia—a review. Waldenström JG. **Haematologica (Pavia)** 1986 Nov–Dec;71(6):437–40 (15 ref.)

Multiple linear ulcers on the dorsum of the tongue in a patient with Waldenstrom's macroglobulinemia. Zulian M, et al. **J Am Dent Assoc** 1987 Jan;114(1):79–80

BLOOD

Identification and quantification of a monoclonal IgM euglobulin: pitfalls and methodologic instruction. Jensen BA, et al. **J Clin Lab Immunol** 1986 Nov;21(3):147–50

[M monoclonal macroglobulinemia induced in BALB/C mice. Effect on blood cholesterol and its significance] Clerc G, et al. **Ann Biol Clin (Paris)** 1986;44(4):384–8 (Eng. Abstr.) **(Fre)**

[Mechanism of the interference of the clotting mechanism by IgM type kappa from a patient with macroglobulinemia] Murakami S, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 May;49(3):703–10 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Polyneuropathy in Waldenström's macroglobulinaemia. Passive transfer from man to mouse. Hoppe U, et al. **Acta Neurol Scand** 1987 Feb;75(2):112–6

Primary macroglobulinemia with myelofibrosis: report of a case. Ji SQ, et al. **Chin Med J [Engl]** 1987 Jan;100(1):83–6

Chylous pleural effusion as the initial manifestation of Waldenström's macroglobulinemia. Monteagudo M, et al. **Eur J Respir Dis** 1987 May;70(5):326–7

Mid-peripheral retinal hemorrhages [letter] Alexander AH. **J Am Optom Assoc** 1986 Oct;57(10):729

Peripheral neuropathy in macroglobulinemia: incidence and antigen-specificity of M proteins. Nobile-Orazio E, et al. **Neurology** 1987 Sep;37(9):1506–14

The efficacy of intensive plasma exchange in acquired von Willebrand's disease. Silberstein LE, et al. **Transfusion** 1987 May–Jun;27(3):234–7

[Monoclonal macroglobulinemia with osteolytic lesions—a case report] Chang JG, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Jul;85(7):727–33 (Eng. Abstr.) **(Chi)**

[Neuropathies and monoclonal dysglobulinemias] Thenint JP, et al. **Ann Med Interne (Paris)** 1986;137(8):639–44 (Eng. Abstr.) **(Fre)**

[Macular manifestations of monoclonal dysgammaglobulinemias. Apropos of 3 cases] Bernard A, et al. **J Fr Ophtalmol** 1986;9(12):805–10 (Eng. Abstr.) **(Fre)**

[2 cases of Waldenstrom's disease associated with a glioblastoma] Chamouard JM, et al. **Rev Neurol (Paris)** 1987;143(1):59–62 (Eng. Abstr.) **(Fre)**

[Waldenstrom's macroglobulinemia in a man with progressive hemiatrophy] Jarczok K, et al. **Pol Tyg Lek** 1987 Apr 27; 42(17):519–20 (Eng. Abstr.) **(Pol)**

[Demyelinating polyneuropathy associated with Waldenstromś macroglobulinemia with anti-myelin antibodies (letter)] Casquero P, et al. **Med Clin (Barc)** 1986 Sep 13;87(7):303 **(Spa)**

[Chylothorax as the initial manifestation of Waldenström's macroglobulinemia] Martí JM, et al. **Med Clin (Barc)** 1987 Apr 18;88(15):591–3 (Eng. Abstr.) **(Spa)**

[Intrahepatic cholestasis associated with light-chain deposition disease] Rodrigo Sáez L, et al. **Rev Esp Enferm Apar Dig** 1987 Jan;71(1):55–6 **(Spa)**

DIAGNOSIS

[Waldenstrom's macroglobulinemia] Lukaszyk A. **Wiad Lek** 1987 Jan 1;40(1):21–4 (Eng. Abstr.) **(Pol)**

[Waldenstrom's macroglobulinemia presenting as gastrointestinal hemorrhage. Diagnostic difficulties] Tubek S, et al. **Wiad Lek** 1987 Feb 15;40(4):265–8 (Eng. Abstr.) **(Pol)**

ETIOLOGY

[Gougerot-Sjögren syndrome and Waldenström's disease with pulmonary involvement and hypercalcemia] Brissaud P, et al. **Rev Med Interne** 1986 Nov;7(5):509–11 **(Fre)**

FAMILIAL & GENETIC

Waldenström's macroglobulinemia in monozygotic twins. Fine JM, et al. **Acta Med Scand** 1986;220(4):369–73

IMMUNOLOGY

Interaction of C1q subcomponent with immunoglobulin M. Kimak E, et al. **Acta Biochim Pol** 1986;33(3):179–85

Antibodies reacting against cytoskeletal proteins in Waldenstrom's disease. Fernández Alonso GI, et al. **Allergol Immunopathol (Madr)** 1986 Nov–Dec;14(6):467–72

Secretory piece and IgA deficiency in a patient with Waldenstrom's macroglobulinemia. Nussinson E, et al. **Am J Gastroenterol** 1986 Oct;81(10):995–8

Anti-platelet and anti-DNA IgM in Waldenström macroglobulinemia and ITP. Varticovski L, et al. **Am J Hematol** 1987 Apr;24(4):351–5

Analysis of leucocyte differentiation antigens in blood and bone marrow from patients with Waldenström's macroglobulinaemia. Kucharska-Pulczynska M, et al. **Br J Haematol** 1987 Apr;65(4):395–9

Detection of anti-histone activity in sera of patients with monoclonal gammopathies. Shoenfeld Y, et al. **Clin Immunol Immunopathol** 1987 Feb;42(2):250–8

Antibody activity of monoclonal immunoglobulins in myeloma, macroglobulinemia and benign gammapathy. Waldenström JG. **Med Oncol Tumor Pharmacother** 1986; 3(3–4):135–40 (0 ref.)

Monoclonal immunoglobulins with antibody activity in myeloma, macroglobulinemia and related plasma cell dyscrasias. Merlini G, et al. **Semin Oncol** 1986 Sep; 13(3):350–65 (202 ref.)

PATHOLOGY

IgM myeloma—its distinction from Waldenström's macroglobulinemia. Takahashi K, et al. **Acta Pathol Jpn** 1986 Oct;36(10):1553–63

Waldenström macroglobulinemia and nephrotic syndrome with minimal change lesion. Hory B, et al. **Nephron** 1987; 45(1):68–70

[Primary macroglobulinemia associated with bone destruction] Kanoh T, et al. **Nippon Naika Gakkai Zasshi** 1986 Jul;75(7):936–40 **(Jpn)**

[Macroglobulinemia with specific skin lesions] Noda Y, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2298–303 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Cutaneous Waldenström's macroglobulinemia. A report of a case successfully treated with radiotherapy. Orengo IF, et al. **Cancer** 1987 Sep 15;60(6):1341–5

THERAPY

HDL-cholesterol sparing and APO-B removal in recycled cascade plasmafiltration. Busnach G, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):168–70

Efficacy of a combined treatment with plasma exchange and cytostatics in macroglobulinemia. Busnach G, et al. **Int J Artif Organs** 1986 Jul;9(4):267–70

Waldenstrom macroglobulinaemia treated with sequential

hemibody irradiation. Jacobs P, et al. **J Clin Apheresis** 1987; 3(3):181–4

[Alleviation of ocular complications of the hyperviscosity syndrome in Waldenström's macroglobulinemia using plasma exchange] Malecaze F, et al. **J Fr Ophtalmol** 1986; 9(5):367–71 (Eng. Abstr.) **(Fre)**

MACROGLOBULINS

ANALYSIS

A comparison of circulating immune complexes, pregnancy associated beta 1–macroglobulin and galactosyltransferase as tumour markers for ovarian cancer. Dodd J, et al. **Aust NZ J Obstet Gynaecol** 1986 Aug;26(3):203–5

IMMUNOLOGY

[Study on the contaminating antigen in purified mumps virus antigen from the allantoic fluid of hen's eggs for enzyme–linked immunosorbent assay (ELISA)] Kawashima H. **Kansenshogaku Zasshi** 1986 Mar;60(3):257–66 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Venom resistance in the hedgehog, Erinaceus europaeus: purification and identification of macroglobulin inhibitors as plasma antihemorrhagic factors. de Wit CA, et al. **Toxicon** 1987;25(3):315–23

METABOLISM

Different binding kinetics of Serratia 56K protease with plasma alpha 2–macroglobulin and chicken egg white ovomacroglobulin. Molla A, et al. **J Biochem (Tokyo)** 1987 Jan;101(1):199–205

MACROGLOSSIA

The diagnosis and treatment of macroglossia in children. Myer CM 3d, et al. **Ear Nose Throat J** 1986 Oct; 65(10):444–8 (14 ref.)

CLASSIFICATION

Macroglossia: a review of the condition and a new classification. Vogel JE, et al. **Plast Reconstr Surg** 1986 Dec;78(6):715–23

FAMILIAL & GENETIC

Autosomal dominant macroglossia in two unrelated families. Reynoso MC, et al. **Hum Genet** 1986 Oct;74(2):200–2

[Wiedemann–Beckwith syndrome. Study of an oligosymptomatic form] Lemke J, et al. **Monatsschr Kinderheilkd** 1986 Aug;134(8):554–7 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Hemimacroglossia associated with plexiform neurofibromatosis (a case report). Basma NJ, et al. **J Laryngol Otol** 1987 Jul;101(7):743–5

[Macroglossia in plasmacytoma. A case report] Hamper K, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Dec;65(12):696–8 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[CT of tongue and mouth floor amyloidosis. A case contribution to the differential diagnosis of macroglossia] Welker H, et al. **ROFO** 1986 Oct;145(4):470–2 **(Ger)**

SURGERY

Self–correction of anterior openbite after glossectomy in a young rhesus monkey. Bernard CL, et al. **Angle Orthod** 1987 Apr;57(2):137–43

Partial glossectomy for macroglossia in an elderly acromegalic. A case report. Winstock D, et al. **Int J Oral Maxillofac Surg** 1986 Oct;15(5):629–31

MACROGOLS see **POLYETHYLENE GLYCOLS**

MACROMOLECULAR SYSTEMS

see related
POLYMERS

Physiological studies of macromolecular transport across capillary walls. Studies on continuous capillaries in rat skeletal muscle. Haraldsson B. **Acta Physiol Scand [Suppl]** 1986;553:1–40

Integral–mass balance method for determination of solvent drag reflection coefficient. Wolf MB, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):H194–204

Leakage of macromolecules from the tracheobronchial microcirculation. Persson CG. **Am Rev Respir Dis** 1987 Jun;135(6 Pt 2):S71–5

Universal calibration of gel permeation chromatography and determination of molecular shape in solution. Potschka M. **Anal Biochem** 1987 Apr;162(1):47–64

Metal shadowing and decoration in electron microscopy of biological macromolecules. Baumeister W, et al. **Ann NY Acad Sci** 1986;483:57–76

A new method for three–dimensional reconstruction of single macromolecules using low–dose electron micrographs. Frank J, et al. **Ann NY Acad Sci** 1986;483:77–87

Computer simulations of macromolecular dynamics: models for vibrational spectroscopy and X–ray refinement. Levy RM. **Ann NY Acad Sci** 1986;482:24–43

Calculation of atomic charges in large molecules. Shankar S, et al. **Ann NY Acad Sci** 1986;482:82–4

Fluorescence photobleaching and correlation spectroscopy for translational diffusion in biological systems. Elson EL. **Biochem Soc Trans** 1986 Oct;14(5):839–41

Organothallium(III) reagents for modification of biomacromolecules: irreversible labelling of phosphoglycerate kinase from rabbit muscle. Bunni MA, et al. **Biochim Biophys Acta** 1987 Mar 19;923(3):421–30

Binding of n–mers to one–dimensional lattices with longer than close–contact interactions. Chen Y. **Biophys Chem** 1987 Jul;27(1):59–65

Cooperative polymerization reactions. Analytical approximations, numerical examples, and experimental strategy. Goldstein RF, et al. **Biophys J** 1986 Oct; 50(4):583–99

Biopolymers and biotechnology. A symposium in honor of Professor Ephraim Katzir's 70th birthday. May 18–22, 1986, Ramat Aviv, Israel. Proceedings. **Biopolymers** 1987; 26 Suppl:S1–253

Radius of the elastic rod model of a polyelectrolyte. Manning GS. **Biopolymers** 1987 Jan;26(1):1–3

On the CD helix band for long helical polymers. Rabenold DA, et al. **Biopolymers** 1987 Jan;26(1):109–19

Noise as a source of information about dynamical properties of biological macromolecules. Steinberg IZ. **Biopolymers** 1987;26 Suppl:S161–76

In vitro and in vivo characterization of synthetic polymer/biopolymer composites. Gilbert DL, et al. **J Biomed Mater Res** 1987 May;21(5):643–55

Separation of biopolymers and supramolecular structures. **J Chromatogr** 1987 Jul 17;418:1–392

Reconstitution of molecule images analysed by correspondence analysis: a tool for structural interpretation [published erratum appears in J Microsc 1987 May;146(Pt 2):222] Bretaudiere JP, et al. **J Microsc** 1986 Oct;144 (Pt 1):1–14

The world of biomolecules—a new dimension for biomedical engineering [editorial] Hutten H. **Med Prog Technol** 1986; 11(4):167

Nesting: hierarchies of allosteric interactions. Robert CH, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1891–5

Chemical electric field effects in biological macromolecules. Neumann E. **Prog Biophys Mol Biol** 1986;47(3):197–231 (66 ref.)

[Labile behavior of gels and possible biological implications] Douzou P, et al. **C R Acad Sci [III]** 1987;304(3):71–5 (Eng. Abstr.) **(Fre)**

[Hemosorb, a polymer–charcoal adsorbent for hemoperfusion] Buczyło E. **Polim Med** 1986;16(1–2):45–53 (Eng. Abstr.) **(Pol)**

[A theory of heteropolymers with frozen random primary structure: properties of the globular state, coil–globule transitions and possible biophysical applications] Grosberg AIu, et al. **Biofizika** 1986 Nov–Dec;31(6):1045–57 (Eng. Abstr.) **(Rus)**

ANALYSIS

Characterization of biopolymers by pyrolysis gas chromatography and multidimensional analysis. Application to synthetic melanins. Charman WN, et al. **J Chromatogr** 1987 Feb 13;388(2):389–96

ISOLATION & PURIFICATION

Counter–current chromatography. Applications to the separation of biopolymers, organelles and cells using either aqueous–organic or aqueous–aqueous phase systems. Sutherland IA, et al. **J Chromatogr** 1987 Jan 2;384:197–207

METABOLISM

Circular dichroism studies on chromatin models. Interactions between DNA and sequential polypeptides containing arginine. Panou–Pomonis E, et al. **Eur J Biochem** 1986 Nov 17;161(1):185–90

A theoretical model to study the effect of convection and leaky junctions on macromolecule transport in artery walls. Tzeghai G, et al. **J Theor Biol** 1986 Jul 21;121(2):141–62

MACROPHAGE ACTIVATION

Induction of cell–mediated immunity as a strategy for vaccination against Schistosoma mansoni. James SL, et al. **Acta Trop (Basel)** 1987 Jun;44 Suppl 12:50–4 (14 ref.)

Liposome targeting to macrophages: opportunities for treatment of infectious diseases. Kirsh R, et al. **Adv Exp Med Biol** 1986;202:171–84 (44 ref.)

Altered maturation and function of peritoneal macrophages: possible role in pathogenesis of endometriosis. Halme J, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):783–9

Immunological consequences of intestinal helminth infections: antigen presentation and immunosuppression by peritoneal cells. Price P, et al. **Aust J Exp Biol Med Sci** 1986 Oct;64 (Pt 5):399–413

Tumor necrosis factor as an interleukin 1–dependent differentiation inducing factor (D–factor) for mouse myeloid leukemic cells. Tamatani T, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):390–7

Lysosomal and cytosolic sialidases in rabbit alveolar macrophages: demonstration of increased lysosomal activity after in vivo activation with bacillus Calmette–Guerin. Pilatte Y, et al. **Biochim Biophys Acta** 1987 Jan 20;923(1):150–5

Identification of two macrophage populations by flow cytometry monitoring of oxidative burst and phagocytic functions. Lepoivre M, et al. **Biol Cell** 1986;57(2):143–6

Inhibition of growth of Listeria monocytogenes in vitro, by immunologically activated mouse resident macrophages. Krishnan VL, et al. **Br J Exp Pathol** 1986 Dec;67(6):809–19

In vitro and in vivo release of cytostatic factors from Lactobacillus casei–elicited peritoneal macrophages after stimulation with tumor cells and immunostimulants. Hashimoto S, et al. **Cancer Immunol Immunother** 1987; 24(1):1–7

Activation of mouse peritoneal macrophages by synthetic glyceroglycolipid liposomes. Naito M, et al. **Cancer Immunol Immunother** 1987;24(2):158–64

Tumoricidal effector mechanisms of murine Bacillus Calmette–Guérin–activated macrophages: mediation of cytolysis, mitochondrial respiration inhibition, and release of intracellular iron by distinct mechanisms. Klostergaard J, et al. **Cancer Res** 1987 Apr 15;47(8):2014–9

Treatment of experimental lung metastasis with local thoracic irradiation followed by systemic macrophage activation with liposomes containing muramyl tripeptide. Saiki I, et al. **Cancer Res** 1986 Oct;46(10):4966–70

Antibody bipolar bridging: isotype–dependent signals given to guinea pig alveolar macrophages by anti–MHC alloantibodies. Benichou G, et al. **Cell Immunol** 1987 May; 106(2):304–17

Macrophage membrane proteins: possible role in the regulation of priming for enhanced respiratory burst activity. Bryant SM, et al. **Cell Immunol** 1986 Nov; 103(1):216–23

Macrophage activation by interferon alpha + beta is associated with a loss of proliferative capacity: role of interferon alpha + beta in the regulation of macrophage proliferation and function. Chen BD, et al. **Cell Immunol** 1987 May;106(2):343–54

Calcium fluxes and calmodulin inhibitors in macrophage activation [letter] Hartung HP. **Cell Immunol** 1986 Jul; 100(2):586–7

Macrophage activation in rat models of inflammation and arthritis: determination of markers of stages of activation. Johnson WJ, et al. **Cell Immunol** 1986 Nov;103(1):54–64

Triggering of interferon gamma–primed macrophages by various known complement activators for nonspecific tumor cytotoxicity. Leu RW, et al. **Cell Immunol** 1987 Apr 15;106(1):114–21

Macrophage activation factor from EL–4, a murine T–cell line: antigenic characterization by hamster monoclonal antibodies to murine interferon–gamma. Meltzer MS, et al. **Cell Immunol** 1987 Jul;107(2):340–7

Altered cell–averaged microviscosity of murine peritoneal macrophages undergoing activation in vivo or in vitro. Somers SD, et al. **Cell Immunol** 1987 Feb;104(2):232–44

Macrophage activation. Potential for cancer therapy. Deodhar SD, et al. **Cleve Clin Q** 1986 Fall;53(3):223–34 (88 ref.)

Immunoglobulin E–dependent stimulation of human alveolar macrophages: significance in type 1 hypersensitivity. Fuller RW, et al. **Clin Exp Immunol** 1986 Aug;65(2):416–26

Stimulation of alveolar macrophages by mineral dusts in vitro: luminol–dependent chemiluminescence study. Vilím V, et al. **Environ Res** 1987 Feb;42(1):246–56

Glycoprotein profiles of macrophages at different stages of activation as revealed by lectin binding after electrophoretic separation. Irimura T, et al. **Eur J Immunol** 1987 Jan;17(1):73–8

Effect of lipopolysaccharide on intracellular killing of Leishmania enriettii and correlation with macrophage oxidative metabolism. Mauël J, et al. **Eur J Immunol** 1987 Feb;17(2):203–8

Enhancement of peritoneal macrophage activity by bovine gamma globulin in mice. Di Nardo P, et al. **Experientia** 1986 Dec 1;42(11–12):1259–62

Mononuclear phagocyte activation: activation–associated antigens. Todd RF 3d, et al. **Fed Proc** 1986 Nov; 45(12):2829–36 (55 ref.)

Lymphohistiocytosis: a multi–factorial syndrome of macrophagic activation clinico–pathological study of 38 cases. Goldberg J, et al. **Hematol Oncol** 1986 Oct–Dec; 4(4):275–89

Involvement of complement in B–cell, T–cell and monocyte/macrophage activation. Dierich MP, et al. **Immunol Lett** 1987 Feb;14(3):235–42 (49 ref.)

Activated macrophages as effector cells of protective immunity to schistosomiasis. James SL. **Immunol Res** 1986; 5(2):139–48

Molecular transductional mechanisms by which IFN gamma and other signals regulate macrophage development. Adams DO, et al. **Immunol Rev** 1987 Jun;97:5–27 (60 ref.)

Resistance to Mycobacterium lepraemurium is correlated with the capacity to generate macrophage activating factor(s) in response to mycobacterial antigens in vitro. Brett SJ, et al. **Immunology** 1986 Nov;59(3):339–45

Activation of macrophages to inhibit proliferation of Mycobacterium tuberculosis: comparison of the effects of recombinant gamma–interferon on human monocytes and murine peritoneal macrophages. Rook GA, et al.

Immunology 1986 Nov;59(3):333–8

Modulation of macrophage activity by microorganisms. Sen V, et al. **Indian J Exp Biol** 1986 Oct;24(10):650–4

An early response to lipopolysaccharide is the elicitation of macrophages specialized for antigen degradation with negative regulatory effects on the induction of specific immune responses. Cluff CW, et al. **Infect Immun** 1987 Jun; 55(6):1346–54

Macrophage activation as an immune correlate to protective immunity against schistosomiasis in mice immunized with an irradiated, cryopreserved live vaccine. Lewis FA, et al. **Infect Immun** 1987 Jun;55(6):1339–45

Direct activation of human monocyte-derived macrophages by a bacterial glycoprotein extract inhibits the intracellular multiplication of virulent Legionella pneumophila serogroup 1. Rajagopalan P, et al. **Infect Immun** 1987 Sep; 55(9):2234–9

In vitro effect of levan-activated macrophages on Lewis lung carcinoma cells. Leibovici J, et al. **Int J Immunopharmacol** 1986;8(5):471–8

Peroxide and pteridine: a hypothesis on the regulation of macrophage antimicrobial activity by interferon gamma. Nathan CF. **Interferon** 1986;7:125–43 (56 ref.)

Enhanced alveolar cell luminol-dependent chemiluminescence in asthma. Cluzel M, et al. **J Allergy Clin Immunol** 1987 Aug;80(2):195–201

Establishment of murine macrophage hybridoma clones capable of acquiring tumoricidal activity upon activation with recombinant interferon-gamma and lipopolysaccharide. Kiyotaki C, et al. **J Cancer Res Clin Oncol** 1987;113(4):383–6

Effects of activation on lipoprotein lipase secretion by macrophages. Evidence for autoregulation. Behr SR, et al. **J Exp Med** 1986 Oct 1;164(4):1362–7

Activation of mouse peritoneal macrophages by monoclonal antibodies to Mac-1 (complement receptor type 3). Ding A, et al. **J Exp Med** 1987 Mar 1;165(3):733–49

Interferon gamma and lymphotoxin or tumor necrosis factor act synergistically to induce macrophage killing of tumor cells and schistosomula of Schistosoma mansoni. Esparza I, et al. **J Exp Med** 1987 Aug 1;166(2):589–94

Macrophage deactivation. Altered kinetic properties of superoxide-producing enzyme after exposure to tumor cell-conditioned medium. Tsunawaki S, et al. **J Exp Med** 1986 Oct 1;164(4):1319–31

A T cell-independent mechanism of macrophage activation by interferon-gamma. Bancroft GJ, et al. **J Immunol** 1987 Aug 15;139(4):1104–7

Role of protein kinase C and intracellular calcium mobilization in the induction of macrophage tumoricidal activity by interferon-gamma. Celada A, et al. **J Immunol** 1986 Oct 1;137(7):2373–9

B cell stimulatory factor-1 (interleukin 4) activates macrophages for increased tumoricidal activity and expression of Ia antigens. Crawford RM, et al. **J Immunol** 1987 Jul 1;139(1):135–41

Analysis of deficiencies in IFN-gamma-mediated priming for tumor cytotoxicity in peritoneal macrophages from A/J mice. Hamilton TA, et al. **J Immunol** 1986 Nov 15; 137(10):3367–71

L-arginine is required for expression of the activated macrophage effector mechanism causing selective metabolic inhibition in target cells. Hibbs JB Jr, et al. **J Immunol** 1987 Jan 15;138(2):550–65

The effect of LPS on expression of the early "competence" genes JE and KC in murine peritoneal macrophages. Introna M, et al. **J Immunol** 1987 Jun 1;138(11):3891–6

Induction, maintenance, and reinduction of tumoricidal activity in bone marrow-derived mononuclear phagocytes by Corynebacterium parvum. Evidence for the involvement of a T cell- and interferon-gamma-independent pathway of macrophage activation. Keller R, et al. **J Immunol** 1987 Apr 1; 138(7):2366–71

Effects of bacterial lipopolysaccharide on the hydrolysis of phosphatidylinositol-4,5-bisphosphate in murine peritoneal macrophages. Prpic V, et al. **J Immunol** 1987 Jul 15; 139(2):526–33

Divergent changes in antimicrobial activity after immunologic activation of mouse peritoneal macrophages. van Dissel JT, et al. **J Immunol** 1987 Sep 1;139(5):1665–72

Selective inhibition of 28S ribosomal RNA in macrophages activated by interferon-gamma or -beta. Varesio L, et al. **J Immunol** 1987 Apr 1;138(7):2332–7

Macrophage activation for antileishmanial defense by an apparently novel mechanism. Wyler DJ, et al. **J Immunol** 1987 Feb 15;138(4):1246–9

Macrophage involvement in the antitumor activity of a synthetic acyltripeptide (FK-565) against experimental lung carcinoma metastases. Schultz RM, et al. **J Immunopharmacol** 1986;8(4):515–28

Activation of mouse macrophages for migration inhibition and for tumor cytotoxicity is mediated by interferon-gamma priming and triggering by various agents. Herriott MJ, et al. **J Interferon Res** 1987 Apr; 7(2):165–71

Variations in macrophage antigen phenotype: a correlation between Ia antigen reduction and immune dysfunction during tumor growth. Garner RE, et al. **J Leukocyte Biol** 1986 Nov;40(5):561–74

Protein phenotypes of mouse macrophages activated in vivo for tumor cell killing. MacKay RJ, et al. **J Leukocyte Biol** 1987 Sep;42(3):213–21

Suppressive effect of interferon-beta on development of tumoricidal activity in mouse macrophages. Pace JL, et al. **J Leukocyte Biol** 1987 Mar;41(3):257–63

Differential protein synthesis by murine peritoneal macrophages elicited by various stimuli. Tannenbaum CS, et al. **J Leukocyte Biol** 1987 Jun;41(6):527–38

Expression of an activation antigen, Mo3e, associated with the cellular response to migration inhibitory factor by HL-60 promyelocytes undergoing monocyte-macrophage differentiation. Todd RF 3d, et al. **J Leukocyte Biol** 1987 Jun;41(6):492–9

The modulation of class II histocompatibility antigens and 'activated' macrophage determinant in the spinal cord during the development of chronic relapsing experimental allergic encephalomyelitis (CREAE) in the guinea pig--relevance to the induction of remission? Antoniou AV, et al. **J Neuroimmunol** 1987 May;15(1):57–71

Augmentation of lymphoproliferative activity of tumor-bearing BALB/c mice to soluble tumor antigens by surgical manipulation: the possible role of macrophages. Laing CA, et al. **J Surg Oncol** 1987 May;35(1):1–6

In vivo activation of nude mouse macrophages by human melanoma cells. Benomar A, et al. **JNCI** 1987 Jul; 79(1):131–6

Activated macrophages and cancer [letter] **Lancet** 1987 Jun 20;1(8547):1439–40

Assay of a cytocidal protein excreted by activated macrophages. Drysdale BE, et al. **Methods Enzymol** 1986; 132:549–55

Activated macrophage-mediated cytotoxicity: use of the in vitro cytotoxicity assay for study of bioenergetic and biochemical changes that develop in tumor target cells. Hibbs JB Jr, et al. **Methods Enzymol** 1986;132:508–20

Activation of macrophages with oxidative enzymes. Lefkowitz DL, et al. **Methods Enzymol** 1986;132:537–48

Down-regulation of insulin receptors in Propionibacterium acnes-activated macrophages in the mouse. Bautista AP, et al. **Mol Cell Endocrinol** 1987 Mar;50(1-2):59–68

Cytochemical localization of NADH and NADPH oxidases during interaction of Trypanosoma cruzi with activated macrophages. de Carvalho TU, et al. **Parasitol Res** 1987; 73(3):213–7

Effect of the activation of macrophages on the course of regeneration of rat liver following partial hepatectomy. Simek J, et al. **Physiol Bohemoslov** 1986;35(5):473–80

Monocyte migration explains the changes in macrophage arachidonate metabolism during the immune response. Tripp CS, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(24):9655–9

Tumor necrosis factor (cachectin) as an essential mediator in murine cerebral malaria. Grau GE, et al. **Science** 1987 Sep 4;237(4819):1210–2

Macrophage cytotoxicity: role for L-arginine deiminase and imino nitrogen oxidation to nitrite. Hibbs JB Jr, et al. **Science** 1987 Jan 23;235(4787):473–6

Role of neutral serine proteases in tumor cell lysis by natural killer cells (large granular lymphocytes) and activated macrophages. Goldfarb RH. **Semin Thromb Hemost** 1986 Oct;12(4):308–9

Lymphokine-activated killer (LAK) cells can be focused at sites of tumor growth by products of macrophage activation. Migliori RJ, et al. **Surgery** 1987 Aug; 102(2):155–62

In vivo macrophage-directed lymphocyte traffic requires macrophage activation. Migliori RJ, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):338–41

Effect of multiporous microspheres derived from chitin and partially deacetylated chitin on the activation of mouse peritoneal macrophages. Nishimura K, et al. **Vaccine** 1987 Jun;5(2):136–40

[Activation of macrophage function by OK-432 and its subcellular fractions] Yamamoto Y, et al. **Gan To Kagaku Ryoho** 1987 Apr;14(4):1169–71 **(Jpn)**

[Macrophage activation in the immune response] Aznaurian AV, et al. **Arkh Anat Gistol Embriol** 1986 Dec;91(12):71–8 (Eng. Abstr.) **(Rus)**

[Induction of chemiluminescence of peritoneal exudate macrophages after exposure to an electric field] Annaberdyeva EM, et al. **Biuli Eksp Biol Med** 1987 Apr; 103(4):452–3 (Eng. Abstr.) **(Rus)**

[Determination of lymphokine-induced cytolytic activity of macrophages by measuring the 3H-thymidine residue in prelabeled tumor cells] Seledtsov VI, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):503–5 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Suramin increases the nonspecific antibacterial resistance through macrophage activation. Toshkov A, et al. **Acta Microbiol Bulg** 1986;19:13–7

Effects of endotoxins from Bacteroides intermedius and Escherichia coli on cytotoxic and lysosomal activity in peritoneal macrophages from endotoxin responder and low responder mouse strains. Johne B, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1987 Jun; 95(3):85–95

Preliminary studies on the inflammatory stimulus induced proteins in mouse resident peritoneal macrophages. Lokesh BR, et al. **Agents Actions** 1987 Jun;21(1-2):145–8

Modulation of lymphocyte activating factor activity (interleukin 1 like activity) and acute phase proteins in pertussis-induced air pouch inflammation by muramyl dipeptide. Sedgwick AD, et al. **Agents Actions** 1987 Jun; 21(1-2):113–20

Evidence for macrophage involvement in the enhancement of tumor growth delay with X-ray/Fluosol-DAR/O2 combination therapy. Holden SA, et al. **Anticancer Res** 1987 May-Jun;7(3 Pt B):385–90

The effect of alcohol on the activity of macrophage: assessment of macrophage activity by determination of intracellular reactive oxygen. Yamamoto H, et al. **Arukoru Kenkyuto Yakubutsu Ison** 1986 Sep;21(3):183–92

In vivo activation of functional properties in mouse peritoneal macrophages by Nocardia rubra cell wall skeleton. Mine Y, et al. **Arzneimittelforschung** 1986 Nov;36(11):1651–5

Activation of rat alveolar macrophages and protection against i.v. injected tumor cells by intratracheal administration of trehalose dimycolate. Nolibe D, et al. **Cancer Immunol Immunother** 1986;23(3):200–6

Differential expression of murine macrophage-mediated tumor cytotoxicity induced by interferons. Koestler TP, et al. **Cancer Res** 1987 Jun 1;47(11):2804–8

Activation of mouse peritoneal macrophages by lysophospholipids and ether derivatives of neutral lipids and phospholipids. Yamamoto N, et al. **Cancer Res** 1987 Apr 15;47(8):2008–13

Macrophage tumoricidal activity induced by human C-reactive protein. Zahedi K, et al. **Cancer Res** 1986 Oct; 46(10):5077–83

Rat macrophage treatment with lipopolysaccharide leads to a reduction in respiratory burst product secretion and a decrease in NADPH oxidase affinity. Johnson WJ, et al. **Cell Immunol** 1987 Aug;108(1):109–19

Regulation of respiratory burst in murine peritoneal macrophages: differential sensitivity to phorbol diesters by macrophages in different states of functional activation. Johnston PA, et al. **Cell Immunol** 1986 Jul;100(2):400–10

Stimulation of macrophage tumoricidal activity by the growth and differentiation factor CSF-1. Ralph P, et al. **Cell Immunol** 1987 Apr 1;105(2):270–9

Macrophage-mediated tumoricidal activity generated by human C-reactive protein (CRP) encapsulated in liposomes is complement-dependent. Gautam S, et al. **Cleve Clin Q** 1986 Fall;53(3):235–9

The effect of gold salts on casein-induced macrophage activation and serum amyloid protein SAA levels. Herman Hernandes CE, et al. **Clin Exp Rheumatol** 1986 Oct-Dec; 4(4):347–50

Alteration of lipid metabolism associated with the activation of mouse alveolar macrophages induced by 1 alpha, 25-dihydroxyvitamin D3. Miyaura C, et al. **Endocrinology** 1987 May;120(5):1813–20

Effect of stereospecificity of chemically synthesized lipid A-subunit analogues GLA-27 and GLA-40 on the expression of immunopharmacological activities. Kumazawa Y, et al. **Eur J Immunol** 1987 May;17(5):663–7

Activation of cytotoxic activity in cultures of bone marrow-derived macrophages by indomethacin. Voth R, et al. **Eur J Immunol** 1987 Jan;17(1):145–8

Nedocromil sodium inhibits IgE-dependent activation of rat macrophages and platelets as measured by schistosome killing, chemiluminescence and enzyme release. Joseph M, et al. **Eur J Respir Dis [Suppl]** 1986;147:220–2

Human monocytes tumoricidal activity: the role of interferon-gamma and bacterial lipopolysaccharide in its stimulation, preservation and decay. Fischer DG, et al. **Immunobiology** 1986 Aug;172(1-2):110–9

Modulation of pulmonary macrophage superoxide release and tumoricidal activity following activation by biological response modifiers. Drath DB. **Immunopharmacology** 1986 Oct;12(2):117–26

The effect of calmodulin antagonists on the activation of RAW-264 macrophage-like cells for tumor cell killing. Gorecka-Tisera AM, et al. **Immunopharmacology** 1986 Aug;12(1):59–67

In vitro activation of murine macrophages and their increased capacity to lyse target cells after cis-platin treatment. Sodhi A, et al. **Indian J Exp Biol** 1986 Sep;24(9):565–72

Activation of murine macrophages and a bovine monocyte cell line by bovine lymphokines to kill the intracellular pathogens Eimeria bovis and Toxoplasma gondii. Hughes HP, et al. **Infect Immun** 1987 Mar;55(3):784–91

Mycobacterium leprae-burdened macrophages are refractory to activation by gamma interferon. Sibley LD, et al. **Infect Immun** 1987 Feb;55(2):446–50

Stimulatory effects of muramyl dipeptide and its butyl ester derivative on the proliferation and activation of macrophages in vitro. Schindler TE, et al. **Int J Immunopharmacol** 1986;8(5):487–98

Purified podophyllotoxin (CPH-86) inhibits lymphocyte proliferation but augments macrophage proliferation. Zheng QY, et al. **Int J Immunopharmacol** 1987;9(5):539–49

Priming of neutrophils and macrophages for enhanced release of superoxide anion by the calcium ionophore ionomycin. Implications for regulation of the respiratory burst. Finkel TH, et al. **J Biol Chem** 1987 Sep 15;262(26):12589–96

Macrophage activation with multi-porous beads prepared from partially deacetylated chitin. Nishimura K, et al. **J Biomed Mater Res** 1986 Nov-Dec;20(9):1359–72

In vivo and in vitro activation of alveolar macrophages by recombinant interferon-gamma. Black CM, et al. **J Immunol** 1987 Jan 15;138(2):491–5

Pertussigen in vivo enhances antigen-specific production in

vitro of lymphokine that stimulates macrophage procoagulant activity and plasminogen activator. de Moerloose PA, et al. **J Immunol** 1986 Dec 1; 137(11):3528–33

Modulation of the biological activity of bacterial endotoxin by incorporation into liposomes. Dijkstra J, et al. **J Immunol** 1987 Apr 15;138(8):2663–70

Trace levels of bacterial lipopolysaccharide prevent interferon–gamma or tumor necrosis factor–alpha from enhancing mouse peritoneal macrophage respiratory burst capacity. Ding AH, et al. **J Immunol** 1987 Sep 15; 139(6):1971–7

Lipopolysaccharide–mediated macrophage activation: the role of calcium in the generation of tumoricidal activity. Drysdale BE, et al. **J Immunol** 1987 Feb 1;138(3):951–6

Systemic activation of tumoricidal properties in mouse macrophages and inhibition of melanoma metastases by the oral administration of MTP–PE, a lipophilic muramyl dipeptide. Fidler IJ, et al. **J Immunol** 1987 Jun 15; 138(12):4509–14

Mycobacterial growth inhibition by interferon–gamma–activated bone marrow macrophages and differential susceptibility among strains of Mycobacterium tuberculosis. Flesch I, et al. **J Immunol** 1987 Jun 15;138(12):4408–13

Suppression of macrophage cytostatic activation by serum retinoids: a possible role for transglutaminase. Mehta K, et al. **J Immunol** 1987 Jun 1;138(11):3902–6

In vitro and in vivo activation of human mononuclear phagocytes by interferon–gamma. Studies with normal and AIDS monocytes. Murray HW, et al. **J Immunol** 1987 Apr 15;138(8):2457–62

Interferon–alpha, –beta, and –gamma augment the levels of rRNA precursors in peritoneal macrophages but not in macrophage cell lines and fibroblasts. Radzioch D, et al. **J Immunol** 1987 Aug 1;139(3):805–12

Effect of serotonin (5–HT) and other monoamines on murine macrophages: modulation of interferon–gamma induced phagocytosis. Sternberg EM, et al. **J Immunol** 1987 Jun 15;138(12):4360–5

Inability of recombinant interferon–gamma to activate the antibacterial activity of mouse peritoneal macrophages against Listeria monocytogenes and Salmonella typhimurium. van Dissel JT, et al. **J Immunol** 1987 Sep 1;139(5):1673–8

Differential mRNA responses in human macrophages activated by interferon–gamma and muramyl dipeptide. Vermeulen MW, et al. **J Immunol** 1987 Jul 1;139(1):7–9

Evidence for effects of interleukin 4 (B cell stimulatory factor 1) on macrophages: enhancement of antigen presenting ability of bone marrow–derived macrophages. Zlotnik A, et al. **J Immunol** 1987 Jun 15;138(12):4275–9

Uptake of 3H–deoxyglucose as a microassay of human neutrophil and monocyte activation. Seow WK, et al. **J Immunol Methods** 1987 Apr 2;98(1):113–8

Regulatory effects on macrophages of human recombinant interferons–alpha. Saiki I, et al. **J Interferon Res** 1986 Oct; 6(5):603–11

Effects of diethylstilbestrol on Propionibacterium acnes immunosnodulation: inhibition of macrophage activation and antitumor activity. Ackermann MF, et al. **J Leukocyte Biol** 1986 Nov;40(5):549–59

Biodegradable microspheres. V: Stimulation of macrophages with microparticles made of various polysaccharides. Artursson P, et al. **J Pharm Sci** 1987 Feb;76(2):127–33

Augmentation by priming with interferon–gamma of the binding of a muramyl dipeptide derivative to macrophages resulting in synergistic macrophage activation. Nagao S, et al. **Jpn J Cancer Res** 1987 Jan;78(1):80–6

Suppression or enhancement by superoxide dismutase of tumor cell killing by macrophages of normal donors and breast cancer patients. Cameron DJ. **Jpn J Exp Med** 1986 Aug;56(4):135–40

Effects of a blended Chinese medicine, xiao–chai–hu–tang, on Lewis lung carcinoma growth and inhibition of lung metastasis, with special reference to macrophage activation. Ito H, et al. **Jpn J Pharmacol** 1986 Jul;41(3):307–14

Liposome encapsulation of muramyl peptides for activation of macrophage cytotoxic properties. Nayar R, et al. **Methods Enzymol** 1986;132:594–603

Activation by synergism between endotoxin and lymphokines of the mouse macrophage cell line J774 against infection by Trypanosoma cruzi. Alcina A, et al. **Parasite Immunol** 1987 Mar;9(2):175–86

Activation of peritoneal macrophages by sitoindoside–IV, an anti–ulcerogenic acylsteryglycoside from Musa paradisiaca. Chattopadhyay S, et al. **Planta Med** 1987 Feb; 53(1):16–8

Macrophage stimulation with some structurally related polysaccharides. Artursson P, et al. **Scand J Immunol** 1987 Mar;25(3):245–54

Systemic macrophage activation by liposomes containing MTP–PE in mice immunosuppressed with cyclosporine. LeGrue SJ, et al. **Transplantation** 1987 Apr;43(4):584–6

[A study on the anti–infection effect of Chinese traditional ointment for external application. Effect on the activation of peritoneal macrophages of mice and their phagocytosis] Li XL. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Aug;6(8):486, 454 (Eng. Abstr.) **(Chi)**

[QSAR of substituted cinnamic acids between their CNDO/2 parameters and immuno–stimulative activities] Guo ZW, et al. **Hua Hsi I Ke Ta Hsueh Hsueh Pao** 1987 Jun; 18(2):140–3 (Eng. Abstr.) **(Chi)**

[Changes in the functional activity and kinetics of macrophages and lymphocytes as affected by retinoic acid] Nozdrin VI, et al. **Biull Eksp Biol Med** 1987 Jun; 103(6):705–7 (Eng. Abstr.) **(Rus)**

[Study of alveolar macrophages stimulated with zymosan in vivo using fluorescent probes] Shishkina LN, et al. **Biull Eksp Biol Med** 1986 Sep;102(9):319–21 (Eng. Abstr.) **(Rus)**

MACROPHAGE–GRANULOCYTE COLONY–STIMULATING FACTOR see **INTERLEUKIN 3**

MACROPHAGE MIGRATION INHIBITORY FACTORS

ANALYSIS

A comparison of the macrophage migration inhibition (MMI) assay and the semi–automated leucocyte adherence inhibition (SALAI) assay. Isbister WH, et al. **Aust J Exp Biol Med Sci** 1986 Dec;64 (Pt 6):501–3

Macrophage spreading inhibition test as an alternate method for in vitro assessment of cell–mediated immunity against Entamoeba histolytica. Haq A, et al. **Trop Med Parasitol** 1986 Sep;37(3):248–50

ANTAGONISTS & INHIBITORS

Suppression of migration inhibition factor (MIF) production by mitomycins in vitro. van der Nat JM, et al. **Immunobiology** 1986 Aug;172(1–2):120–7

L–fucose, D–mannose, L–galactose, and their BSA conjugates stimulate macrophage migration. Takata I, et al. **J Leukocyte Biol** 1987 Mar;41(3):248–56

BIOSYNTHESIS

Lymphokine (MIF) production by glomerular T–lymphocytes in experimental glomerulonephritis. Boyce NW, et al. **Kidney Int** 1986 Nov;30(5):673–7

[Regulation of the production of a factor inhibiting macrophage migration in uncomplicated pregnancy by trophoblastic beta 1–glycoprotein] Petrov RV, et al. **Akush Ginekol (Mosk)** 1986 Oct;(10):63–5 **(Rus)**

IMMUNOLOGY

Angiotensin II is chemotactic for a T–cell subset which can express migration inhibition factor activity in murine schistosomiasis mansoni. Weinstock JV, et al. **Cell Immunol** 1987 Jun;107(1):180–7

The relationship of renal transplant survival to cellular and humoral responsiveness. MacSween JM, et al. **Transplant Proc** 1987 Aug;19(4):3419–21

ISOLATION & PURIFICATION

[Isolation and testing of factors affecting macrophage and leukocyte migration] Gankovskaia LV, et al. **Lab Delo** 1986;(10):612–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Detection of macrophage migration inhibitory factor by monoclonal antibody in Sézary syndrome. Neumann C, et al. **J Invest Dermatol** 1987 Jun;88(6):670–4

PHARMACODYNAMICS

Macrophage migration inhibition induced by MDP, LPS, PMA, and MIF/MAF: reversal by macrophage migration enhancement factor (MEF), L–fucose, L–fucosyl BSA, D–mannose, and D–mannosyl BSA. Gordon MR, et al. **J Leukocyte Biol** 1987 Sep;42(3):197–203

Expression of an activation antigen, Mo3e, associated with the cellular response to migration inhibitory factor by HL–60 promyelocytes undergoing monocyte–macrophage differentiation. Todd RF 3d, et al. **J Leukocyte Biol** 1987 Jun;41(6):492–9

MACROPHAGES

see related

RETICULOENDOTHELIAL SYSTEM

Expression of the macrophage specific colony–stimulating factor (CSF–1) during human monocytic differentiation. Horiguchi J, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):924–30

Comparative chemiluminescence response of Kupffer cells, blood monocytes & peritoneal macrophages of guinea pigs. Virk KJ, et al. **Indian J Med Res** 1987 Apr;85:422–5

Reversal of human myeloid leukemia cells into normal granulocytes and macrophages: activity and intracellular distribution of catalase. Kos Z, et al. **Oncology** 1987; 44(4):245–7

[Cytotoxins from phagocytes] Yamazaki M. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2083–8 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Mast cells and lysozyme positive macrophages in bronchoalveolar lavage from patients with sarcoidosis. Valuable prognostic and activity marking parameters of disease? Bjermer L, et al. **Acta Med Scand** 1986; 220(2):161–6

Histochemical characterization of the lipid content in the macrophages of the cortico–medullary zone of the rat thymus. Milićević NM, et al. **Anat Histol Embryol** 1986 Dec;15(4):355–60

Effect of cellular fatty acid composition on the phospholipase A2 activity of bone marrow–derived macrophages, and their ability to induce lucigenin–dependent chemiluminescence. Flesch I, et al. **Biochim Biophys Acta** 1986 Oct 31;889(1):6–14

Changes in the cell surface protein composition of human alveolar macrophages induced by smoking. Skubitz KM, et al. **Cancer Res** 1987 Jun 15;47(12):3072–82

Macrophage membrane proteins: possible role in the regulation of priming for enhanced respiratory burst activity. Bryant SM, et al. **Cell Immunol** 1986 Nov; 103(1):216–23

Glycoprotein profiles of macrophages at different stages of activation as revealed by lectin binding after electrophoretic separation. Irimura T, et al. **Eur J Immunol** 1987 Jan;17(1):73–8

Isolation and characterization of macrophage–derived C1q and its similarities to serum C1q. Rabs U, et al. **Eur J Immunol** 1986 Sep;16(9):1183–6

Flow cytometric quantification of cholesteryl ester–containing "foam" cells. II. Analysis of aortas from cholesterol–fed swine. Cupp JE, et al. **Exp Mol Pathol** 1987 Feb;46(1):52–63

Flow cytometric quantification of cholesteryl ester–containing "foam" cells. I. Analysis of aortas from normolipidemic swine. Cupp JE, et al. **Exp Mol Pathol** 1987 Feb;46(1):40–51

The ligand binding specificity and tissue localization of a rat alveolar macrophage lectin. Haltiwanger RS, et al. **J Biol Chem** 1986 Nov 25;261(33):15696–702

Macrophage free cholesterol content regulates apolipoprotein E synthesis. Mazzone T, et al. **J Biol Chem** 1987 Aug 25; 262(24):11657–62

Rabbit alveolar macrophages contain a Ca2+–sensitive, 41,000–dalton protein which reversibly blocks the "barbed" ends of actin filaments but does not sever them. Southwick FS, et al. **J Biol Chem** 1986 Oct 25;261(30):14191–5

Novel macrophage receptor for glucose–modified proteins is distinct from previously described scavenger receptors. Vlassara H, et al. **J Exp Med** 1986 Oct 1;164(4):1301–9

Role of the macrophage–derived hybridoma growth factor in the in vitro and in vivo proliferation of newly formed B cell hybridomas. Bazin R, et al. **J Immunol** 1987 Aug 1;139(3):780–7

Characterization of regulatory (interferon–alpha/beta) and accessory (LAF/IL 1) monokine activities from liver granuloma macrophages of Schistosoma mansoni–infected mice. Elliott DE, et al. **J Immunol** 1987 Apr 15; 138(8):2653–62

Purification and NH2–terminal sequence of a plasmacytoma growth factor derived from the murine macrophage cell line P388D1. Nordan RP, et al. **J Immunol** 1987 Aug 1; 139(3):813–7

Bombesin in human and guinea pig alveolar macrophages. Wiedermann CJ, et al. **J Immunol** 1986 Dec 15; 137(12):3928–32

Protein phenotypes of mouse macrophages activated in vivo for tumor cell killing. MacKay RJ, et al. **J Leukocyte Biol** 1987 Sep;42(3):213–21

Granulocyte–macrophage progenitor cells in term and preterm neonates. Christensen RD, et al. **J Pediatr** 1986 Dec;109(6):1047–51

Measurements of cyclic adenosine monophosphate and cyclic guanosine monophosphate levels in polymorphonuclear leukocytes, macrophages, and lymphocytes. Mittal CK. **Methods Enzymol** 1986;132:428–34

CLASSIFICATION

Human alveolar macrophage subpopulations isolated on discontinuous albumin gradients: functional data in normals and sarcoid patients. Sandron D, et al. **Eur J Respir Dis** 1986 Oct;69(4):226–34

Forssman glycolipid, an antigenic marker for a major subpopulation of macrophages from murine spleen and peripheral lymph nodes. Bethke U, et al. **J Immunol** 1987 Jun 15;138(12):4329–35

Prostaglandin synthesis and release by subpopulations of rat alveolar macrophages. Chandler DB, et al. **J Immunol** 1987 Aug 1;139(3):893–8

[Cellular components of bronchoalveolar lavage fluids (BALF) of patients with pulmonary tuberculosis: cell subsets studies by monoclonal antibodies] Sawano T. **Bull Chest Dis Res Inst Kyoto Univ** 1986 Mar;19(1–2):80–92 (Eng. Abstr.) **(Jpn)**

CYTOLOGY

Mononuclear cell subpopulations in cerebrospinal fluid [letter] Polman CH, et al. **Acta Neurol Scand** 1986 Sep; 74(3):251–2

Characterization of macrophages elicited by intraperitoneal injection of hyaluronate. Ponzin D, et al. **Agents Actions** 1986 Aug;18(5–6):544–9

Agglomeration to nodules modulates human arterial smooth muscle cells to distinct postinjury phenotype via foam cell transition. Björkerud S. **Am J Pathol** 1987 Jun;

127(3):485–98
Human spleen contains phenotypic subsets of macrophages and dendritic cells that occupy discrete microanatomic locations. Buckley PJ, et al. **Am J Pathol** 1987 Sep; 128(3):505–20
Proliferation of pulmonary alveolar macrophages during postnatal development of rabbit lungs. Evans MJ, et al. **Am Rev Respir Dis** 1987 Aug;136(2):384–7
Maintenance of the normal rat alveolar macrophage cell population. The roles of monocyte influx and alveolar macrophage proliferation in situ. Shellito J, et al. **Am Rev Respir Dis** 1987 Jan;135(1):78–82
Role of vitamin E in the protection of the resident macrophage membrane against oxidative damage. Coquette A, et al. **Arch Int Physiol Biochim** 1986 Dec;94(5):S29–34
Macrophages, macrophage foam cells, and eccentric intimal thickening in the coronary arteries of young children. Stary HC. **Atherosclerosis** 1987 Apr;64(2–3):91–108
Induction, collection, and partial characterization of induced respiratory macrophages of the turkey. Ficken MD, et al. **Avian Dis** 1986 Oct–Dec;30(4):766–71
A photometric analysis of free alveolar macrophages (FAMs) in smoking and nonsmoking firefighters. Mehm WJ, et al. **Aviat Space Environ Med** 1986 Oct;57(10 Pt 1):980–5
Identification of two macrophage populations by flow cytometry monitoring of oxidative burst and phagocytic functions. Lepoivre M, et al. **Biol Cell** 1986;57(2):143–6
Ki–M8 monoclonal antibody reactive with an intracytoplasmic antigen of monocyte/macrophage lineage. Radzun HJ, et al. **Blood** 1987 May;69(5):1320–7
CFU–GM content of bone marrow graft correlates with time to hematologic reconstitution following autologous bone marrow transplantation with 4-hydroperoxycyclophosphamide-purged bone marrow. Rowley SD, et al. **Blood** 1987 Jul;70(1):271–5
The origin of osteoclasts: an immunohistochemical study on macrophages and osteoclasts in embryonic rat bone. Sminia T, et al. **Calcif Tissue Int** 1986 Oct;39(4):263–6
Phenotypic attributes of the malignant cell population in Hodgkin's disease indicate a monocyte/macrophage origin. Olsson L, et al. **Cancer Surv** 1985;4(2):421–38
Production of cytotoxin to a tumor cell in co-cultures of macrophage cell line with bovine leukemia virus producing cell line. Inooka S. **Cell Biol Int Rep** 1986 Aug;10(8):659–65
Functional heterogeneity of murine macrophage precursor cells from spleen and bone marrow. Baccarini M, et al. **Cell Immunol** 1986 Sep;101(2):339–50
Quantitative immunocytochemical characterization of mononuclear phagocytes. I. Monoblasts, promonocytes, monocytes, and peritoneal and alveolar macrophages. Nibbering PH, et al. **Cell Immunol** 1987 Apr 1; 105(2):374–85
Origins of macrophage diversity: functional and phenotypic analysis of cloned populations of mouse splenic macrophages. Walker WS. **Cell Immunol** 1987 Jul; 107(2):417–32
Establishment and characterization of murine macrophage hybrids. Zuckerman SH, et al. **Cell Immunol** 1986 Nov; 103(1):207–15
Kinetics of the clonal proliferation of granulocytes and macrophages in cultures of mouse bone marrow cells as supported by two distinct types of colony-stimulating factors. Wu CT, et al. **Cell Struct Funct** 1987 Aug; 12(4):327–37
Splenic marginal-zone macrophages and marginal metallophils in rats and mice. Matsuno K, et al. **Cell Tissue Res** 1986;246(2):263–9
Locally dividing macrophages in normal and inflamed mammary glands. Jutila MA, et al. **Clin Exp Immunol** 1986 Dec;66(3):615–24
Induction of clonal monocyte/macrophage tumors in vivo by a mouse c-myc retrovirus: evidence for secondary transforming events. Baumbach WR, et al. **Curr Top Microbiol Immunol** 1986;132:23–32
mRNA species regulated during the differentiation of HL–60 cells to macrophages and neutrophils. Davis RC, et al. **Dev Biol** 1987 Jan;119(1):164–74
Lineage-specific expression of c-fos and c-fms in human hematopoietic cells: discrepancies with the in vitro differentiation of leukemia cells. Kreipe H, et al. **Differentiation** 1986;33(1):56–60
Murine macrophage cell lines can be ordered in a linear differentiation sequence. Leenen PJ, et al. **Differentiation** 1986;32(2):157–64
The haemopoietic growth factors interleukin 3 and colony stimulating factor-1 stimulate proliferation but do not induce inositol lipid breakdown in murine bone-marrow-derived macrophages. Whetton AD, et al. **EMBO J** 1986 Dec 1;5(12):3281–6
The relationship between fusion and proliferation in mouse alveolar macrophages. Abe E, et al. **Endocrinology** 1987 Jul;121(1):271–7
Cell kinetic analysis of a murine macrophage cell line. van Furth R, et al. **Eur J Cell Biol** 1987 Aug;44(1):93–6
Establishment and characterization of murine bone marrow-derived spontaneously immortalized cell lines and clones expressing properties of normal macrophages. Loewenstein J, et al. **Exp Hematol** 1987 Jul;15(6):685–94
Monocyte-conditioned medium and interleukin 1 induce granulocyte-macrophage colony-stimulating factor production in the adherent cell layer of murine bone marrow cultures. Løvhaug D, et al. **Exp Hematol** 1986 Dec;14(11):1037–42
Peripheral blood granulocyte-macrophage progenitors in patients with the myelodysplastic syndromes. Tennant GB, et al. **Exp Hematol** 1986 Dec;14(11):1063–8
Purification of murine bone-marrow-derived granulocyte-macrophage colony-forming cells. Williams DE, et al. **Exp Hematol** 1987 Mar;15(3):243–50
Changes in the expression of cell surface sialoglycoproteins during transition of human monocytes into macrophages. Heino J, et al. **FEBS Lett** 1986 Oct 6;206(2):218–22
In vitro culture of frog peritoneal macrophages. Plytycz B, et al. **Folia Biol (Krakow)** 1986;34(2):217–20
The effect of folate binding protein on the colony-forming activity of GM–CFC cells in vitro. Přistoupilová K, et al. **Folia Haematol (Leipz)** 1986;113(6):759–65
Lectin binding and surface glycoprotein pattern of human macrophage populations. Kreipe H, et al. **Histochemistry** 1986;86(2):201–6
Macrophages in the central nervous system of the rat. Sminia T, et al. **Immunobiology** 1987 Jan;174(1):43–50
From growth factor dependence to growth factor responsiveness: the genesis of an alveolar macrophage cell line. Helmke RJ, et al. **In Vitro Cell Dev Biol** 1987 Aug; 23(8):567–74
Influence of 1,25-(OH)2 vitamin D3 and gamma interferon on the phenotype of human peripheral blood monocyte-derived macrophages. Poulter LW, et al. **Infect Immun** 1987 Sep;55(9):2017–20
Immunohistochemical identification of macrophages, lymphoid cells and HLA antigens in the human testis. Pöllänen P, et al. **Int J Androl** 1987 Feb;10(1):37–42
Transformation of macrophages into foam cells in vitro induced by cholesteryl oleate liquid crystals. Enomoto M, et al. **J Biochem (Tokyo)** 1987 Apr;101(4):933–8
Macrophage cell lines transformed by the malignant histiocytosis sarcoma virus: increase of CSF receptors suggests a model for transformation. Klingler K, et al. **J Cell Physiol** 1987 Jul;132(1):22–32
Recombinant murine granulocyte-macrophage (GM) colony-stimulating factor supports formation of GM and multipotential blast cell colonies in culture: comparison with the effects of interleukin-3. Koike K, et al. **J Cell Physiol** 1987 Jun;131(3):458–64
Isolation and characterization of a cloned growth factor dependent macrophage cell line, BAC1.2F5. Morgan C, et al. **J Cell Physiol** 1987 Mar;130(3):420–7
Astrocyte-derived interleukin 3 as a growth factor for microglia cells and peritoneal macrophages. Frei K, et al. **J Immunol** 1986 Dec 1;137(11):3521–7
Treatment of murine peritoneal macrophages with bacterial lipopolysaccharide alters expression of c-fos and c-myc oncogenes. Introna M, et al. **J Immunol** 1986 Oct 15; 137(8):2711–5
Differentiation of rat bone marrow cells into macrophages under the influence of mouse L929 cell supernatant. Boltz-Nitulescu G, et al. **J Leukocyte Biol** 1987 Jan; 41(1):83–91
FACS analysis of tumor-associated macrophage replication: differences between metastatic and nonmetastatic murine mammary tumors. Mahoney KH, et al. **J Leukocyte Biol** 1987 Mar;41(3):205–11
Intravascular macrophages in the sheep lung. Wheeldon EB, et al. **J Leukocyte Biol** 1986 Nov;40(5):657–61
Human peripheral blood mononuclear cells (PBM) cultured in serum-free medium. III. Morphological study of an in vitro microcytotoxicity model. Halpern J, et al. **J Med Clin Exp Theor** 1986;17(3–4):201–18
Acute and subchronic ozone inhalation in the rabbit: response of alveolar macrophages. Driscoll KE, et al. **J Toxicol Environ Health** 1987;21(1–2):27–43
Influence of polyunsaturated fatty acid supplementation and membrane fluidity on ozone and nitrogen dioxide sensitivity of rat alveolar macrophages. Rietjens IM, et al. **J Toxicol Environ Health** 1987;21(1–2):45–56
Friend virus-infected long-term bone marrow cultures produce colony stimulating factor dependent and independent granulocyte-macrophage progenitor cells for over four years in vitro. Greenberger JS, et al. **Leuk Res** 1987;11(1):51–61
Glycosaminoglycan metabolism of HL–60 cells during differentiation induction by tetradecanoylphorbol-13-acetate. Luikart SD, et al. **Leuk Res** 1986;10(9):1083–90
Retinoic acid promotes phorbol ester-initiated macrophage differentiation in HL–60 leukemia cells without disappearance of protein kinase C. Zylber-Katz E, et al. **Leuk Res** 1986;10(12):1425–32
Regulation of proliferation of bone marrow-derived macrophages. Hume DA, et al. **Lymphokine Res** 1987 Spring;6(2):127–39 (46 ref.)
Postnatal colonization of porcine lung capillaries by intravascular macrophages: an ultrastructural, morphometric analysis. Winkler GC, et al. **Microvasc Res** 1987 Mar;33(2):224–32
Mitosis of the Hofbauer cell: possible implications for a fetal macrophage. Castellucci M, et al. **Placenta** 1987 Jan–Feb; 8(1):65–76
The Wellcome Foundation lecture, 1986. The molecular control of normal and leukaemic granulocytes and macrophages. Metcalf D. **Proc R Soc Lond [Biol]** 1987 May 22;230(1261):389–423 (131 ref.)
Quantitation of hepatic sinusoidal macrophages during the acute systemic inflammatory reaction in two animal species. Scoazec JY, et al. **Proc Soc Exp Biol Med** 1987 Apr; 184(4):389–95
The origin of phagocytic cells in the joint and bone. van Furth R. **Scand J Rheumatol [Suppl]** 1981;40:13–20
Brain macrophages in cerebellar cell cultures. Ditrich H. **Tissue Cell** 1986;18(5):645–58
Replacement of donor cells after liver transplantation [letter] Starzl TE. **Transplantation** 1987 Aug;44(2):332–3
Structure and function of the melano-macrophage centres of the goldfish Carassius auratus. Herráez MP, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):117–26
Effect of Pasteurella multocida and Haemophilus pleuropneumoniae toxins on swine alveolar macrophages. Pijoan C. **Vet Immunol Immunopathol** 1986 Sep; 13(1–2):141–9
[The kinetics of type II pneumocytes and alveolar macrophages in experimental silicosis] Si TR. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Jun;9(3):129–32, 188 (Eng. Abstr.) **(Chi)**
[Effect of platelet lysates on the proliferation of human bone marrow cells] Mavrina L, et al. **Biomed Biochim Acta** 1986; 45(8):1007–14 (Eng. Abstr.) **(Ger)**
[Cell cycle of alveolar macrophages in various pulmonary diseases] Yoshikawa K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jul;24(7):774–8 **(Jpn)**
[Identification of an abnormal clone of a granulocyte-macrophage progenitor (CFU–GM) in a carrier of chronic granulomatous disease] Funabiki T, et al. **Rinsho Ketsueki** 1986 Jul;27(7):1052–6 (Eng. Abstr.) **(Jpn)**
[Clonogenic precursors of granulocytes and macrophages in the bone marrow of children] Chukanin SN, et al. **Gematol Transfuziol** 1987 Feb;32(2):39–43 (Eng. Abstr.) **(Rus)**
[Effect of different feeders on the proliferation of granulocyte-macrophage precursors of the bone marrow of children] Vladimirskaia EB, et al. **Vestn Akad Med Nauk SSSR** 1987;(4):76–9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of mannozym on the chemiluminescence of phagocytes. Sipka S, et al. **Acta Microbiol Hung** 1986; 33(3):263–70
Effects of endotoxins from Bacteroides intermedius and Escherichia coli on cytotoxic and lysosomal activity in peritoneal macrophages from endotoxin responder and low responder mouse strains. Johne B, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1987 Jun; 95(3):85–95
Effect of heparin on the reactivity of SH-groups in the macrophage membrane. Kelemenics K, et al. **Acta Physiol Hung** 1986;68(2):199–210
Supernatants from ethanol-containing macrophage cultures have cytotoxic activity. Wickramasinghe SN. **Alcohol Alcohol** 1986;21(3):263–8
Alveolar macrophages from expectorates as indicators of pulmonary irritation in primary aluminum reduction plant workers. Nilsen AM, et al. **Am J Ind Med** 1987; 12(1):101–12
Dietary cholesterol-induced changes in macrophage characteristics. Relationship to atherosclerosis. Rogers KA, et al. **Am J Pathol** 1986 Nov;125(2):284–91
Regulation of murine macrophage phagocytosis of sheep erythrocytes by T-2 toxin. Corrier DE, et al. **Am J Vet Res** 1987 Aug;48(8):1304–7
The pulmonary disposition of theophylline and its influence on human alveolar macrophage bactericidal function. O'Neill SJ, et al. **Am Rev Respir Dis** 1986 Dec; 134(6):1225–8
Inhalation of endotoxin stimulates alveolar macrophage production of platelet-activating factor. Rylander R, et al. **Am Rev Respir Dis** 1987 Jan;135(1):83–6
Enhancement of bronchoalveolar cell recovery and stimulation of alveolar macrophage chemiluminescence and resistance to influenza virus after treatment with RU 41821 aerosol. Rudent A, et al. **Antimicrob Agents Chemother** 1987 Jun;31(6):920–4
Trichothecene mycotoxins in aerosolized conidia of Stachybotrys atra. Sorenson WG, et al. **Appl Environ Microbiol** 1987 Jun;53(6):1370–5
Decreased phagocytosis and superoxide anion production in alveolar macrophages of rats exposed to nitrogen dioxide. Suzuki T, et al. **Arch Environ Contam Toxicol** 1986 Nov; 15(6):733–9
Macrophage-mediated modulation of hepatocyte protein synthesis. Effect of dexamethasone. Keller GA, et al. **Arch Surg** 1986 Oct;121(10):1199–205
Silver affects viability and structure of cultured mouse peritoneal macrophages and peroxidative capacity of whole mouse liver. Rungby J, et al. **Arch Toxicol** 1987 Apr; 59(6):408–12
Petroleum hydrocarbon toxicity in vitro: effect of n-alkanes, benzene and toluene on pulmonary alveolar macrophages and lysosomal enzymes of the lung. Suleiman SA. **Arch Toxicol** 1987 Apr;59(6):402–7
Toxicity of richterite in hemolysis test and macrophage cultures. Collan Y, et al. **Arch Toxicol [Suppl]** 1986;9:292–5
Accumulation of cholesteryl esters and triglycerides in cultured macrophages incubated with plasma very low

density lipoproteins from rats fed on casein or soybean protein diets containing moderate levels of cholesterol. Eklund A, et al. **Atherosclerosis** 1986 Nov;62(2):129–36

Functional antagonism between type I and type II interferons on human macrophages. Garotta G, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):948–54

Effect of nifedipine on 67k calcimedin in cultured macrophages and smooth muscle cells. Morse SS, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):726–32

Inhibition by reactive aldehydes of superoxide anion radical production from stimulated polymorphonuclear leukocytes and pulmonary alveolar macrophages. Effects on cellular sulfhydryl groups and NADPH oxidase activity. Witz G, et al. **Biochem Pharmacol** 1987 Mar 1;36(5):721–6

Dipyridamole stimulates urokinase production and suppresses procoagulant activity of rabbit alveolar macrophages: a possible mechanism of antithrombotic action. Hasday JD, et al. **Blood** 1987 Feb;69(2):660–7

Synergism between recombinant growth factors, GM–CSF and G–CSF, acting on the blast cells of acute myeloblastic leukemia [published erratum appears in Blood 1987 Jul;70(1):339] Kelleher C, et al. **Blood** 1987 May; 69(5):1498–503

Multilineage synergistic activity produced by a murine adherent marrow cell line. Quesenberry P, et al. **Blood** 1987 Mar;69(3):827–35

Endotoxin–induced TxB2 release by polymorphonuclears and macrophages. Fiore S, et al. **Boll Soc Ital Biol Sper** 1986 Jun 30;62(6):737–41

The influence of topical anaesthetic agent at bronchoalveolar lavage upon cellular yield and identification and upon macrophage function. Davidson AC, et al. **Br J Dis Chest** 1986 Oct;80(4):385–90

Lysozyme activity in ultrastructurally defined fractions of alveolar macrophages after inhalation exposure to nickel. Johansson A, et al. **Br J Ind Med** 1987 Jan;44(1):47–52

Synergistic induction of cytotoxicity in macrophages by murine interferon–gamma and biological response modifiers derived from microorganisms. Nagao S, et al. **Cancer Immunol Immunother** 1986;23(1):41–5

Role of reactive oxygen metabolites in crocidolite asbestos toxicity to mouse macrophages. Goodglick LA, et al. **Cancer Res** 1986 Nov;46(11):5558–66

Generation of superoxide (O2–.) from alveolar macrophages exposed to asbestiform and nonfibrous particles. Hansen K, et al. **Cancer Res** 1987 Mar 15;47(6):1681–6

Isolation of 12–O–tetradecanoylphorbol–13–acetate–resistant mutants of a macrophage–like cell line: evidence for induction by 12–O–tetradecanoylphorbol–13–acetate of a non–colony–stimulating growth factor. Yashruti AA, et al. **Cancer Res** 1987 Jun 1;47(11):2777–81

Alpha–fetoprotein stimulates leukotriene synthesis in P388D1 macrophages. Aussel C, et al. **Cell Immunol** 1986 Sep; 101(2):415–24

Differential effects of 1,25–dihydroxyvitamin D3 on human lymphocytes and monocyte/macrophages: inhibition of interleukin–2 and augmentation of interleukin–1 production. Bhalla AK, et al. **Cell Immunol** 1986 Apr 1; 98(2):311–22

Functions of mononuclear phagocytes in mice exposed to diethylstilbestrol: a model of aberrant macrophage development. Dean JH, et al. **Cell Immunol** 1986 Oct 15; 102(2):315–22

Rat macrophage treatment with lipopolysaccharide leads to a reduction in respiratory burst product secretion and a decrease in NADPH oxidase affinity. Johnson WJ, et al. **Cell Immunol** 1987 Aug;108(1):109–19

Regulation of respiratory burst in murine peritoneal macrophages: differential sensitivity to phorbol diesters by macrophages in different states of functional activation. Johnston PA, et al. **Cell Immunol** 1986 Jul;100(2):400–10

Reversal of murine alveolar macrophage–mediated suppression of plaque–forming cell response by sodium periodate. Mbawuike IN, et al. **Cell Immunol** 1986 Apr 15;99(1):300–7

Effects of fluorouracil, doxorubicin and FAM combination on human peritoneal macrophages. Athlin L, et al. **Chemotherapy** 1987;33(4):287–90

Stimulation of IgE sensitized human alveolar macrophages by anti–IgE is unaffected by sodium cromoglycate. Fuller RW, et al. **Clin Allergy** 1986 Nov;16(6):523–6

The effect of N–(2–carboxyphenyl)–4–chloroantranilic acid disodium salt (CCA) on concanavalin A–induced superoxide anion release in human mononuclear phagocytes. Matsubara T, et al. **Clin Exp Rheumatol** 1986 Jul–Sep;4(3):243–7

The effect of cytosine arabinoside on CFU–GM from patients with myelodysplastic syndrome. Bailey–Wood R, et al. **Clin Lab Haematol** 1987;9(1):23–6

The in vitro effect of a thymic polypeptidic extract on the function of T–cells and macrophages. Boeru V, et al. **Endocrinologie** 1987 Apr–Jun;25(2):83–9

Rabbit alveolar macrophages after long–term inhalation of soluble cobalt. Johansson A, et al. **Environ Res** 1986 Dec; 41(2):488–96

Effect of 0.64 ppm ozone on alveolar macrophage lysozyme levels in rats with chronic pulmonary bacterial infection. Sherwood RL, et al. **Environ Res** 1986 Dec;41(2):378–87

Toxicity of penicillic acid for rat alveolar macrophages in vitro. Sorenson WG, et al. **Environ Res** 1986 Dec; 41(2):505–13

The effect of recombinant interferon–gamma on human monocyte–derived macrophages. Jungi TW, et al. **Eur J Immunol** 1987 May;17(5):735–8

Activation of cytotoxic activity in cultures of bone marrow–derived macrophages by indomethacin. Voth R, et al. **Eur J Immunol** 1987 Jan;17(1):145–8

Effect of mouse peritoneal macrophages of orally administered very high dilutions of silica. Davenas E, et al. **Eur J Pharmacol** 1987 Mar 31;135(3):313–9

Synergistic action of recombinant–derived murine interleukin–1 on the augmentation of colony stimulating activity on murine granulocyte–macrophage hematopoietic stem cells in vitro. Gallicchio VS, et al. **Exp Cell Biol** 1987; 55(2):83–92

Colony formation of granulocyte (CFU–g) and macrophage (CFU–m) precursors in serum– and albumin–free culture: effect of transferrin on clonal growth. Iizuka Y, et al. **Exp Cell Biol** 1986;54(5–6):275–80

Regulation of oxygen radical release from murine peritoneal macrophages by pharmacologic doses of PGE2. McLeish KR, et al. **Free Radic Biol Med** 1987;3(1):15–20

Functional assessment of rabbit alveolar macrophages following intermittent inhalation exposures to sulfuric acid mist. Schlesinger RB. **Fundam Appl Toxicol** 1987 Apr; 8(3):328–34

The effect of glucocorticosteroids on bone marrow mononuclear phagocytes in culture. van der Meer JW, et al. **Immunobiology** 1986 Aug;172(1–2):143–50

Silica decreases phagocytosis and bactericidal activity of both macrophages and neutrophils in vitro. Zimmerman BT, et al. **Immunology** 1986 Dec;59(4):521–5

Modulation of pulmonary macrophage superoxide release and tumoricidal activity following activation by biological response modifiers. Drath DB. **Immunopharmacology** 1986 Oct;12(2):117–26

Alteration of macrophage anti–tumor activity and transferrin receptor expression by exposure to dimethylnitrosamine in vivo. Myers MJ, et al. **Immunopharmacology** 1987 Jun; 13(3):195–205

Alteration of macrophage differentiation into accessory and effector cells from exposure to dimethylnitrosamine (DMN) in vivo. Myers MJ, et al. **Immunopharmacology** 1986 Oct; 12(2):105–15

Inhibition profiles of picumast and ketotifen on the in vitro release of prostanoids, slow–reacting substance of anaphylaxis, histamine and enzyme from human leukocytes and rat alveolar macrophages. Wilhelms OH. **Int Arch Allergy Appl Immunol** 1987;82(3–4):547–9

Effect of lentinan on pinocytosis in mouse peritoneal macrophages and the murine macrophage cell line C4M phi in vitro. Abel G, et al. **Int J Immunopharmacol** 1986; 8(8):919–24

The effect of gliotoxin upon macrophage function. Eichner RD, et al. **Int J Immunopharmacol** 1986;8(7):789–97

Effects of cimetidine on in vitro transformation of peripheral monocytes to macrophages in healthy volunteers and cancer patients. Giulivi A, et al. **Int J Immunopharmacol** 1986;8(5):517–23

Peripheral benzodiazepines enhance the respiratory burst of macrophage–like P388D1 cells stimulated by arachidonic acid. Zavala F, et al. **Int J Immunopharmacol** 1987; 9(3):269–74

Effect of hrTNF alpha on TxB2 release by macrophages. Cifone MG, et al. **Int J Tissue React** 1987;9(1):51–3

Leukotriene D4 and indomethacin enhance additively the macrophage cytostatic activity in vitro towards MOPC–315 tumour cells. Ophir R, et al. **Int J Tissue React** 1987;9(3):189–94

Oxidant injury of cells. Schraufstatter IU, et al. **Int J Tissue React** 1987;9(4):317–24

Macrophage–specific effect on lipid metabolism by an antibiotic, ascofuranone. Magae J, et al. **J Antibiot (Tokyo)** 1987 Feb;40(2):202–8

Enhanced bactericidal action of mouse macrophages by subinhibitory concentrations of monobactams. Iida–Tanaka K, et al. **J Antimicrob Chemother** 1986 Aug;18(2):239–50

The effect of injection of powdered biomaterials on mouse peritoneal cell populations. Pizzoferrato A, et al. **J Biomed Mater Res** 1987 Apr;21(4):419–28

In vitro testing of dental materials by means of macrophage cultures: II. Effects of particulate dental amalgams and their constituent phases on cultured macrophages. Syrjänen S, et al. **J Biomed Mater Res** 1986 Oct;20(8):1125–38

In vitro testing of dental materials by means of macrophage cultures. I: Methodological aspects. Syrjänen S, et al. **J Biomed Mater Res** 1986 Oct;20(8):1111–23

Growth–promoting effects of esterolytically inactive thrombin on macrophages. Bar–Shavit R, et al. **J Cell Biochem** 1986;32(4):261–72

Homologous and heterologous desensitization of proto–oncogene cfos expression in murine peritoneal macrophages. Introna M, et al. **J Cell Physiol** 1987 Apr; 131(1):36–42

The effect of clindamycin on macrophage and monocyte Fc receptors. Oliver AM, et al. **J Clin Lab Immunol** 1986 Aug; 20(4):167–70

Gamma interferon enhances macrophage transcription of the tumor necrosis factor/cachectin, interleukin 1, and urokinase genes, which are controlled by short–lived repressors. Collart MA, et al. **J Exp Med** 1986 Dec 1; 164(6):2113–8

A recombinant murine granulocyte/macrophage (GM) colony–stimulating factor derived from an inducer T cell line (IH5.5). Functional restriction to GM progenitor cells. Kajigaya S, et al. **J Exp Med** 1986 Oct 1;164(4):1102–13

Modulation of FcR function by complement: subcomponent C1q enhances the phagocytosis of IgG–opsonized targets by human monocytes and culture–derived macrophages. Bobak DA, et al. **J Immunol** 1987 Feb 15;138(4):1150–6

Interferons inhibit LTC4 production in murine macrophages. Boraschi D, et al. **J Immunol** 1987 Jun 15;138(12):4341–6

Maleylated–BSA suppresses IFN–gamma–mediated Ia expression in murine peritoneal macrophages. Hamilton TA, et al. **J Immunol** 1987 Jun 15;138(12):4063–8

Lactoferrin effects of phagocytic cell function. II. The presence of iron is required for the lactoferrin molecule to stimulate intracellular killing by macrophages but not to enhance the uptake of particles and microorganisms. Lima MF, et al. **J Immunol** 1987 Sep 1;139(5):1647–51

In vitro and in vivo activation of human mononuclear phagocytes by interferon–gamma. Studies with normal and AIDS monocytes. Murray HW, et al. **J Immunol** 1987 Apr 15;138(8):2457–62

Interferon–alpha, –beta, and –gamma augment the levels of rRNA precursors in peritoneal macrophages but not in macrophage cell lines and fibroblasts. Radzioch D, et al. **J Immunol** 1987 Aug 1;139(3):805–12

Effect of serotonin (5–HT) and other monoamines on murine macrophagrs: modulation of interferon–gamma induced phagocytosis. Sternberg EM, et al. **J Immunol** 1987 Jun 15;138(12):4360–5

Inability of recombinant interferon–gamma to activate the antibacterial activity of mouse peritoneal macrophages against Listeria monocytogenes and Salmonella typhimurium. van Dissel JT, et al. **J Immunol** 1987 Sep 1;139(5):1673–8

Evidence for effects of interleukin 4 (B cell stimulatory factor 1) on macrophages: enhancement of antigen presenting ability of bone marrow–derived macrophages. Zlotnik A, et al. **J Immunol** 1987 Jun 15;138(12):4275–9

Effects of antifungal agents and gamma interferon on macrophage cytotoxicity for fungi and tumor cells. Perfect JR, et al. **J Infect Dis** 1987 Aug;156(2):316–23

Regulatory effects on macrophages of human recombinant interferons–alpha. Saiki I, et al. **J Interferon Res** 1986 Oct; 6(5):603–11

Effects of diethylstilbestrol on Propionibacterium acnes immunomodulation: inhibition of macrophage activation and antitumor activity. Ackermann MF, et al. **J Leukocyte Biol** 1986 Nov;40(5):549–59

Dynorphin and related opioid peptides enhance tumoricidal activity mediated by murine peritoneal macrophages. Foster JS, et al. **J Leukocyte Biol** 1987 Aug;42(2):171–4

Effect of canrenone on the disturbances of cation handling induced by ouabain in macrophages and vascular smooth muscle cells. Hannaert P, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):867–72

Toxicity of ozone and nitrogen dioxide to alveolar macrophages: comparative study revealing differences in their mechanism of toxic action. Rietjens IM, et al. **J Toxicol Environ Health** 1986;19(4):555–68

Gamma interferon priming of mouse and human macrophages for induction of tumor necrosis factor production by bacterial lipopolysaccharide. Gifford GE, et al. **JNCI** 1987 Jan;78(1):121–4

Effects on the monocyte–macrophage system and antitumor activity against L1210 leukemia of cis–bis–cyclopentenecarboxylato–trans–R,R–1,2–diaminocyclohexane –platinum (II) encapsulated in multilamellar vesicles. Perez–Soler R, et al. **JNCI** 1986 Nov;77(5):1137–43

Changes in proto–oncogene expression associated with reversal of macrophage–like differentiation of HL 60 cells. Studzinski GP, et al. **JNCI** 1987 Jul;79(1):67–76

Restoration of lipopolysaccharide–mediated cytotoxic macrophage induction in C3H/HeJ mice by interferon–gamma or a calcium ionophore. Akagawa KS, et al. **Jpn J Cancer Res** 1987 Mar;78(3):279–87

Recombinant human granulocyte colony–stimulating factor induces granulocytosis in vivo. Fujisawa M, et al. **Jpn J Cancer Res** 1986 Sep;77(9):866–9

The effects of tumor necrosis factor on the production of interleukin–1 by macrophages. Hoffman MK. **Lymphokine Res** 1986 Fall;5(4):255–60

Catecholamine–induced suppression of interleukin–1 production. Koff WC, et al. **Lymphokine Res** 1986 Fall; 5(4):239–47

Assay of effect of (2'–5')–oligoadenylate on macrophages. Liu XY, et al. **Methods Enzymol** 1986;119:676–81

Comparative study of some biological activities of porins extracted from various microorganisms. Tufano MA, et al. **Microbiologica** 1986 Oct;9(4):431–42

Effect of some endodontic sealers on cell migration in experimental granulomas. Feiglin B. **Oral Surg Oral Med Oral Pathol** 1987 Mar;63(3):371–4

Lactoferrin inhibits prostaglandin E2 secretion by breast milk macrophages. Bartal I, et al. **Pediatr Res** 1987 Jan; 21(1):54–7

Effects of chronic ethanol ingestion on arachidonic acid metabolism in rat tissues and in vitro effect of ethanol on cAMP in platelets. Hwang DH, et al. **Prostaglandins Leukotrienes Med** 1987 Mar;26(3):299–305

The effect of leukotrienes on porcine alveolar macrophage function. Paterson NA, et al. **Prostaglandins Leukotrienes Med** 1986 Dec;25(2–3):147–61

Vascular and cellular responses to guanidino propyl piperazine CK0569A, a new anti-plaque agent. Hurttia H, et al. **Scand J Dent Res** 1987 Apr;95(2):104–11

Endogenous inhibitors of human granulocyte/macrophage colony forming cells in vitro are inactivated by free radical scavengers. Helgestad J, et al. **Scand J Haematol** 1986 Nov; 37(5):395–403

Distinction between responsiveness of macrophages to cyclic-AMP elevation by prostaglandin E2 and prostacyclin. Bonta IL, et al.
Scand J Rheumatol [Suppl] 1981;40:58–61

Cytotoxicity of airborne particles from roadside urban gardens. Liu WK, et al. **Sci Total Environ** 1987 Jan; 59:267–76

Biologic activities of nonenzymatic thrombin: elucidation of a macrophage interactive domain. Bar-Shavit R, et al.
Semin Thromb Hemost 1986 Jul;12(3):244–9

Lymphocyte collaboration is not required for the induction of murine macrophage procoagulant by endotoxin. Shands JW Jr. **Thromb Res** 1987 Apr 15;46(2):271–9

The effect of formaldehyde exposure upon the mononuclear phagocyte system of mice. Adams DO, et al.
Toxicol Appl Pharmacol 1987 Apr;88(2):165–74

Potential role of activated macrophages in acetaminophen hepatotoxicity. II. Mechanism of macrophage accumulation and activation. Laskin DL, et al.
Toxicol Appl Pharmacol 1986 Nov;86(2):216–26

Potential role of activated macrophages in acetaminophen hepatotoxicity. I. Isolation and characterization of activated macrophages from rat liver. Laskin DL, et al.
Toxicol Appl Pharmacol 1986 Nov;86(2):204–15

Investigations into the mechanism of immunosuppression caused by acute treatment with O,O,S-trimethyl phosphorothioate: generation of suppressive macrophages from treated animals. Rodgers KE, et al.
Toxicol Appl Pharmacol 1987 Apr;88(2):270–81

Suppression of macrophage function and prolongation of graft survival by the new guanidinic-like structure, 15-deoxyspergualin. Dickneite G, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1301–4

[Effect of cyclophosphamide on the morphology and function of alveolar macrophages in the development of silicosis] Lu TC, et al.
Chung-hua Ping Li Hsueh Tsa Chih 1986 Jun;15(2):114–8 (Eng. Abstr.) **(Chi)**

[Effect of coal particles on the pulmonary macrophage of rabbits in vitro] Wu CQ, et al.
Chung-hua Ping Li Hsueh Tsa Chih 1986 Mar;15(1):57–61 (Eng. Abstr.) **(Chi)**

[Long term effects of intravenous infusion of fluorocarbon blood substitute in dogs] Ding XC, et al.
Chung Kuo Yao Li Hsueh Pao 1985 Dec;6(4):270–3 (Eng. Abstr.) **(Chi)**

[Effects of a fluorocarbon blood substitute on macrophage function and host defense in mice] Zhang SN, et al.
Chung Kuo Yao Li Hsueh Pao 1986 Jan;7(1):59–62 (Eng. Abstr.) **(Chi)**

[The effect of ambroxol and bromhexine on the "respiratory burst" of alveolar macrophages] Winsel K, et al.
Pharmazie 1986 Nov;41(11):796–9 (Eng. Abstr.) **(Ger)**

[Ultrastructure of pulmonary alveolar macrophages in peroral exposure to nitrosodimethylamine] Fetisov VV, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):114–7 (Eng. Abstr.) **(Rus)**

[Changes in the functional activity and kinetics of macrophages and lymphocytes as affected by retinoic acid] Nozdrin VI, et al. **Biull Eksp Biol Med** 1987 Jun; 103(6):705–7 (Eng. Abstr.) **(Rus)**

[Analysis of the effect of immunostimulants on the macrophages of mouse peritoneal exudates by using mathematical simulation and planning methods] Tumanian MA, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):330–2 (Eng. Abstr.) **(Rus)**

[Possible routes of the drug regulation of macrophages] Osniach VS. **Farmakol Toksikol** 1986 Jul-Aug;49(4):115–20 (116 ref.) **(Rus)**

[Effect of the antitumor antibiotic preparation 6 on macrophage function in an experiment] Smirnov VV, et al. **Vrach Delo** 1986 Nov;(11):110–2 (Eng. Abstr.) **(Rus)**

[In vitro effect of nickel chloride on peritoneal mastocytes and macrophages] García Mesa M, et al.
Bol Estud Med Biol 1986;34(1–4):13–22 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Biomonitoring of industrial dusts on animals. II. Bioindication on alveolar macrophages. Kaváčiková Z.
Acta Biol Hung 1986;37(1):13–7

Endogenous peroxidase activity as a marker of macrophage renewal during BCG-induced inflammation in the rat lung. Warnock ML, et al. **Am J Pathol** 1987 Jul;128(1):171–80

Inhibition of macrophage adenylate cyclase by the alpha-methylene-gamma-lactone moiety of sesquiterpene lactones from forage plants. Elissalde MH Jr, et al.
Am J Vet Res 1987 Jan;48(1):148–52

Retinoid modulation of collagenase production by adherent human mononuclear cells in culture. Ohta A, et al.
Ann Rheum Dis 1987 May;46(5):357–62

Regulation of lipoprotein lipase secretion by mouse peritoneal macrophages. Goldberg DI, et al.
Biochem Biophys Res Commun 1987 Jan 15;142(1):1–6

A possible role of protein kinase C in regulating prostaglandin synthesis of mouse peritoneal macrophages. Pfannkuche HJ, et al. **Biochem Biophys Res Commun** 1986 Sep 14; 139(2):604–11

Characterization of Ca2+-activated, phospholipid-dependent protein kinase C/protein kinase M in guinea pig peritoneal exudate macrophages. Toper R, et al. **Biochem Biophys Res Commun** 1986 Dec 15; 141(2):605–13

Activation of collagenase production in a rat macrophage-like cell line. Khar A. **Biochem Int** 1986 Oct; 13(4):565–70

NADPH oxidase of guinea-pig macrophages catalyses the reduction of ubiquinone-1 under anaerobic conditions. Murakami M, et al. **Biochem J** 1986 Jul 15;237(2):541–5

Acid-active neuraminidases in the growth media from cultures of pathogenic Naegleria fowleri and in sonicates of rabbit alveolar macrophages. Eisen D, et al.
Biochim Biophys Acta 1987 May 19;924(2):369–72

Selective inhibition of 5-lipoxygenase pathway in rat pulmonary alveolar macrophages by cigarette smoking. Mobley A, et al. **Biochim Biophys Acta** 1987 Apr 3; 918(2):115–9

Lysosomal and cytosolic sialidases in rabbit alveolar macrophages: demonstration of increased lysosomal activity after in vivo activation with bacillus Calmette-Guerin. Pilatte Y, et al. **Biochim Biophys Acta** 1987 Jan 20;923(1):150–5

Carbonic anhydrase isoenzymes in isolated rat peripheral monocytes, tissue macrophages, and osteoclasts. Sundquist KT, et al. **Bone** 1987;8(1):33–8

Lysosomal enzyme activity and fibroblast stimulation of lavage from guinea pigs exposed to silica dust. Sjöstrand M, et al. **Br J Exp Pathol** 1987 Jun;68(3):309–18

Adherent peritoneal mononuclear cells express chloroacetate esterases in vitro. Nicola MH, et al.
Braz J Med Biol Res 1986;19(2):227–31

Induction of macrophage lysosomal hydrolase synthesis and secretion by beta-1,3-glucan. Lew DB, et al.
Cell Immunol 1986 Jul;100(2):340–50

Immunocytochemical localization of catechol-O-methyltransferase in the oviduct and in macrophages in corpora lutea of rat. Inoue K, et al.
Cell Tissue Res 1986;245(3):623–8

Correlation between tumor cell cytotoxicity and serine protease activity of peritoneal macrophages from mice treated with bakers' yeast mannans. Okawa Y, et al.
Chem Pharm Bull (Tokyo) 1987 Mar;35(3):1138–43

Changes in enzyme content and activity of alveolar macrophages in smokers and COLD patients. Huidekoper HJ, et al. **Eur J Respir Dis [Suppl]** 1986;146:195–201

Modulation of transglutaminase activity in mononuclear phagocytes and macrophage-like tumor cell lines by differentiation agents. Goldman R. **Exp Cell Res** 1987 Jan; 168(1):31–43

Cyclooxygenase-catalyzed formation of 9-hydroxylinoleic acid by guinea pig alveolar macrophages under non-stimulated conditions. Engels F, et al. **FEBS Lett** 1986 Dec 15;209(2):249–53

Depression of peripheral blood monocyte aryl hydrocarbon hydroxylase activity in patients with liver disease: possible involvement of macrophage factors. Peterson TC, et al.
Hepatology 1987 Mar-Apr;7(2):333–7

Phenotypic differentiation patterns of the human monocyte/macrophage system. Kreipe H, et al.
Histochem J 1986 Aug;18(8):441–50

Cytochemical localization of beta-galactosidase in resident and inflammatory peritoneal macrophages from C57BL mice. Rhodes JM, et al. **Histochemistry** 1986;86(2):159–64

Modulation of lysosomal protease-esterase and lysozyme in Kupffer cells and peritoneal macrophages infected with Nocardia asteroides. Black CM, et al. **Infect Immun** 1986 Dec;54(3):917–9

Changes in alveolar macrophage enzyme content and activity in smokers and patients with chronic obstructive lung disease. Terpstra GK, et al. **Int J Clin Pharmacol Res** 1987; 7(4):273–7

Pertussis toxin inhibits retinoic acid-induced expression of tissue transglutaminase in macrophages. Johnson JD, et al.
J Biol Chem 1986 Nov 15;261(32):14982–6

Mannose-receptor ligands stimulate secretion of lysosomal enzymes from rabbit alveolar macrophages. Ohsumi Y, et al. **J Biol Chem** 1987 Jun 15;262(17):7955–62

Modulation of alveolar macrophage-derived 5-lipoxygenase products by the sulfhydryl reactant, N-ethylmaleimide. Peters-Golden M, et al. **J Biol Chem** 1987 Aug 5; 262(22):10594–600

Protein synthesis inhibition in mouse peritoneal macrophages results in increased acyl coenzyme A:cholesterol acyl transferase activity and cholesteryl ester accumulation in the presence of native low density lipoprotein. Tabas I, et al. **J Biol Chem** 1987 Sep 5;262(25):12175–81

Murine macrophage heparanase: inhibition and comparison with metastatic tumor cells. Savion N, et al.
J Cell Physiol 1987 Jan;130(1):77–84

Interaction of mouse macrophage elastase with native and oxidized human alpha 1-proteinase inhibitor. Banda MJ, et al. **J Clin Invest** 1987 May;79(5):1314–7

Foam cell-forming J774 macrophages have markedly elevated acyl coenzyme A:cholesterol acyl transferase activity compared with mouse peritoneal macrophages in the presence of low density lipoprotein (LDL) despite similar LDL receptor activity. Tabas I, et al.
J Clin Invest 1987 Feb;79(2):418–26

Effects of activation on lipoprotein lipase secretion by macrophages. Evidence for autoregulation. Behr SR, et al.
J Exp Med 1986 Oct 1;164(4):1362–7

Enhanced 5-lipoxygenase activity in lung macrophages compared to monocytes from normal subjects. Bigby TD, et al. **J Immunol** 1987 Mar 1;138(5):1546–50

Arachidonic acid acts as an intracellular activator of NADPH-oxidase in Fc gamma receptor-mediated superoxide generation in macrophages. Sakata A, et al.
J Immunol 1987 Jun 15;138(12):4353–9

Measurement of NADPH oxidase activity in detergent lysates of human and mouse macrophage monolayers. Cassatella MA, et al. **J Immunol Methods** 1986 Sep 27; 92(2):231–40

In vitro formation of activators for prostaglandin synthesis by neutrophils and macrophages from humans and guinea pigs. Marshall PJ, et al. **J Lab Clin Med** 1986 Dec; 108(6):525–34

Lysosomal hydrolases in blood-derived macrophages of patients with I-cell disease. Yatziv S, et al.
J Lab Clin Med 1986 Oct;108(4):365–8

Preferential loss of DNA polymerase alpha following suppression of replicative DNA synthesis of guinea pig macrophages by the immunostimulants muramyl dipeptide or lipopolysaccharide. Haraguchi T, et al.
J Leukocyte Biol 1987 Feb;41(2):170–6

Characterization of two distinct transglutaminases of murine bone marrow-derived macrophages: effects of exposure of viable cells to cigarette smoke on enzyme activity. Roth WJ, et al. **J Leukocyte Biol** 1987 Jul;42(1):9–20

Defective 3-ketosteroid reductase activity in a human monocyte-like cell line. Billheimer JT, et al.
J Lipid Res 1987 Jun;28(6):704–9

Proteolytic enzyme activities of macrophages and lymphocytes in neurological diseases. Goto I, et al.
J Neurol 1986 Nov;233(6):373–5

Familial hyper-angiotensin converting enzyme (ACE)-emia: increased production of ACE by monocyte-macrophage. Okabe T, et al. **Jpn J Med** 1987 May;26(2):140–6

Role of the high density lipoprotein-receptor cycle in macrophage-cholesterol metabolism. Schmitz G, et al.
Klin Wochenschr 1986 Oct 1;64(19):979–85

In vitro synthesis of angiotensin-converting enzyme by alveolar macrophages is increased in disseminated sarcoidosis. Stanislas-Leguern G, et al. **Lung** 1986; 164(5):269–77

Determination of adenylate cyclase and guanylate cyclase activities in cells of the immune system. Mittal CK.
Methods Enzymol 1986;132:422–8

Peroxidase activity in human alveolar macrophages demonstrated by 3-amino-9-ethyl-carbazol as substrate. Wehle K, et al. **Pathol Res Pract** 1987 Feb;182(1):107–9

The use of 12-hydroxyheptadecatrienoic acid (HHT) as an HPLC/spectrophotometric marker for cyclooxygenase pathway activity in resident rat peritoneal cells. Sweeney FJ, et al. **Prostaglandins Leukotrienes Med** 1987 Mar; 26(3):171–7

Production of the angiotensin converting enzyme (ACE) in cultures of rat peritoneal macrophages. Harrabi S, et al.
Sarcoidosis 1986 Mar;3(1):27–9

Subcellular localization of angiotensin-converting enzyme in the human alveolar macrophage. Eklund A, et al.
Scand J Clin Lab Invest 1987 Feb;47(1):47–54

Succinic dehydrogenase activity in germinal center macrophages in peripheral lymphoid organs of the rat. Milićević NM, et al. **Virchows Arch [B]** 1986;52(4):369–73

[Cytochemical study of macrophages in sarcoidosis patients in skin window exudates] Sepp N, et al.
Acta Med Austriaca 1987;14(2):51–3 (Eng. Abstr.) **(Ger)**

[Effect of lipoprotein on LPL activity of guinea pig alveolar macrophages] Yoshii H. **Nippon Ika Daigaku Zasshi** 1986 Dec;53(6):550–7 (Eng. Abstr.) **(Jpn)**

[Regression analysis in the study of dynamics of 5-nucleotidase activity in mouse peritoneal exudate macrophages] Kirillicheva GB, et al.
Antibiot Med Biotekhnol 1987 May;32(5):362–4 (Eng. Abstr.) **(Rus)**

[Interstrain differences in changes in 5-nucleotidase activity in mouse macrophages in response to immunostimulation] Tumanian MA, et al. **Biull Eksp Biol Med** 1987 Aug; 104(8):199–200 (Eng. Abstr.) **(Rus)**

[Antimetastatic action of bacterial endotoxins and changes in the activity of the enzymes of purine metabolism in macrophages] Umanskii VIu, et al. **Eksp Onkol** 1986; 8(4):54–6 (Eng. Abstr.) **(Rus)**

[Chondroclastic properties of the cartilaginous tissue macrophages of developing bone] Rodionova NV.
Tsitologiia 1986 Oct;28(10):1103–6 (Eng. Abstr.) **(Rus)**

[Functional macrophage activity in infection with virulent and avirulent strains of the dysentery microbe] Kirillicheva GB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 May; (5):76–9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Serological determinants of fluorescent granular perithelial cells along small cerebral blood vessels in rodent. Mato M, et al. **Acta Neuropathol (Berl)** 1986;72(2):117–23

Mouse peritoneal macrophages cultured serum-free deposit complement on IgM-coated sheep erythrocytes in vitro [published erratum appears in Acta Pathol Microbiol Immunol Scand [C] 1987 Jun;95(3):122] Hetland G, et al.

Acta Pathol Microbiol Immunol Scand [C] 1987 Feb; 95(1):15–20

Macrophage–virus interaction during Con A–induced protection against Japanese encephalitis virus in infant mice. Kelkar SD, et al. **Acta Virol (Praha)** 1987 Mar; 31(2):103–8

In vivo opsonization of Japanese encephalitis virus by peritoneal macrophages in infant mice. Kelkar SD. **Acta Virol (Praha)** 1987 May;31(3):269–70

Liposome targeting to macrophages: opportunities for treatment of infectious diseases. Kirsh R, et al. **Adv Exp Med Biol** 1986;202:171–84 (44 ref.)

In vitro fibrinolytic activity and viability of rat alveolar macrophages treated with inflammation generating mineral dusts. Donaldson K, et al. **Agents Actions** 1987 Feb; 20(1–2):87–92

Stimulation of prostaglandin formation by an antigen– and Ia–restricted T–cell–macrophage interaction. Schnyder J, et al. **Agents Actions** 1986 Dec;19(5–6):277–9

Identification and possible significance of HNK–1+ human lymphocytes, macrophages, and non–neoplastic T–cells in cutaneous lymphoma. McMillan E, et al. **Am J Dermatopathol** 1987 Feb;9(1):2–9

Use of macrophage inhibition factor and mast–cell degranulation tests for diagnosis of cloxacillin–induced cholestasis. Aderka D, et al. **Am J Gastroenterol** 1986 Nov; 81(11):1084–6

Fc–receptor function of the mononuclear phagocyte system in glomerulonephritis secondary to some multisystem diseases. Roccatello D, et al. **Am J Nephrol** 1987;7(2):85–92

A macrophage defect in women with recurrent Candida vaginitis and its reversal in vitro by prostaglandin inhibitors. Witkin SS, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):790–5

Monocyte/macrophage–reactive monoclonal antibody Ki–M6 recognizes an intracytoplasmic antigen. Parwaresch MR, et al. **Am J Pathol** 1986 Oct;125(1):141–51

Antigenic and cytochemical characterization of cells adhering to intrauterine contraceptive devices. Ennas MG, et al. **Am J Reprod Immunol Microbiol** 1987 Mar;13(3):83–6

Progesterone enhancement of prostaglandin E2 production by fetal placental macrophages. Yagel S, et al. **Am J Reprod Immunol Microbiol** 1987 Jun;14(2):45–8

The role of gamma interferon in the generation of human macrophages cytotoxic for Entamoeba histolytica trophozoites. Salata RA, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):72–8

Swine antibody–dependent cellular cytotoxicity against pseudorabies virus–infected cells. el–Awar FY, et al. **Am J Vet Res** 1987 Mar;48(3):481–5

Immunoregulatory functions of human alveolar macrophages [editorial] Hunninghake GW. **Am Rev Respir Dis** 1987 Aug; 136(2):253–4

Human alveolar macrophages suppress interleukin–1 (IL–1) activity via the secretion of prostaglandin E2. Monick M, et al. **Am Rev Respir Dis** 1987 Jan;135(1):72–7

Spectrum of immunoregulatory functions and properties of human alveolar macrophages. Rich EA, et al. **Am Rev Respir Dis** 1987 Aug;136(2):258–65

Uptake of bloodborne bacteria by pulmonary intravascular macrophages and consequent inflammatory responses in sheep. Warner AE, et al. **Am Rev Respir Dis** 1987 Sep; 136(3):683–90

In vitro inhibition of macrophage spreading by antigens and lymphokines: correlation with the footpad test and kinetics of inhibition. Mažuran R, et al. **Ann Inst Pasteur Immunol** 1987 Mar–Apr;138(2):201–11

Sleep and the immune response. Krueger JM, et al. **Ann NY Acad Sci** 1987;496:510–6

Neuropeptides modulating macrophage function. Peck R. **Ann NY Acad Sci** 1987;496:264–70

Macrophages and implantation. Tachi C, et al. **Ann NY Acad Sci** 1986;476:158–82

Benzodiazepines and PK 11195 exert immunomodulating activities by binding on a specific receptor on macrophages. Zavala F, et al. **Ann NY Acad Sci** 1987;496:240–9

Macrophage–nematode interaction in vivo: Nippostrongylus brasiliensis infective larvae in the peritoneum of unsensitized rats. Wertheim G, et al. **Ann Parasitol Hum Comp** 1987;62(1):47–57

Effect of blood transfusions on macrophage–lymphocyte interaction in an animal model. Waymack JP, et al. **Ann Surg** 1986 Dec;204(6):681–5

Role of interferon, antibodies and macrophages in the protective effect of Corynebacterium parvum on encephalomyocarditis virus–induced disease in mice. Géniteau–Legendre M, et al. **Antiviral Res** 1987 Mar; 7(3):161–7

Choline and halogen derivatives of CMA (9–oxo–10–acridine acetic acids) as tools for monitoring the interaction of the interferon inducers via a specific receptor. Szulc B, et al. **Antiviral Res** 1987 Feb;7(2):109–17

Identification of cells producing anti–treponemal lymphotoxin (ATL). Podwińska J. **Arch Immunol Ther Exp (Warsz)** 1987;35(1):63–70

Phagocytosis and killing of bacteria by middle ear macrophages. Bakaletz LO, et al. **Arch Otolaryngol Head Neck Surg** 1987 Feb;113(2):138–44

Lymphocyte macrophage interactions in the response to surgical infections. Christou NV, et al. **Arch Surg** 1987 Feb; 122(2):239–51

Macrophages and translymphatic absorption represent the first line of host defense of the peritoneal cavity. Dunn DL, et al. **Arch Surg** 1987 Jan;122(1):105–10

Macrophage migration inhibition test to evaluate the sensitizing potential of drugs in the guinea pig. Laschi–Loquerie A, et al. **Arch Toxicol [Suppl]** 1987; 11:325–8

The in vitro effects of trichothecenes on the immune system. Miller K, et al. **Arch Toxicol [Suppl]** 1987;11:321–4

Macrophage migration and maturation within rheumatoid nodules. Palmer DG, et al. **Arthritis Rheum** 1987 Jul; 30(7):728–36

A comparison of the macrophage migration inhibition (MMI) assay and the semi–automated leucocyte adherence inhibition (SALAI) assay. Isbister WH, et al. **Aust J Exp Biol Med Sci** 1986 Dec;64 (Pt 6):501–3

Murine T cell proliferation can be specifically augmented by macrophages fed with specific antigen: alpha–2–macroglobulin conjugate. Osada T, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):26–31

Biochemical signal transmitted by Fc receptor for immunoglobulin G2a of a murine macrophage–like cell line, P388D1: mode of activation of adenylate cyclase mediated by immunoglobulin G2a binding proteins. Fernandez–Botran R, et al. **Biochemistry** 1986 Jul 29; 25(15):4388–97

Manipulation of the intratumor infiltrate by anti–tumor antibody conjugates. Obrist R. **Biochim Biophys Acta** 1987 Jul 8;907(2):175–90 (97 ref.)

The capacity of various types of immunoglobulin for intravenous use to interact with Fc receptors of human monocytes and macrophages. Jungi TW, et al. **Blut** 1986 Oct;53(4):321–32

Immunohistochemical identification of lymphocyte subsets and macrophages in normal human urothelium using monoclonal antibodies. el–Demiry MI, et al. **Br J Urol** 1986 Aug;58(4):436–42

Antigenic release of paf–acether and beta–glucuronidase from alveolar macrophages of asthmatics. Arnoux B, et al. **Bull Eur Physiopathol Respir** 1987 Mar–Apr;23(2):119–24

Augmentation of the generation of cell–mediated cytotoxicity in culture by mitomycin C. Akiyoshi T, et al. **Cancer Immunol Immunother** 1987;24(3):259–62

Immunoregulating activity of tumor–associated macrophages. Dougherty GJ, et al. **Cancer Immunol Immunother** 1986;23(1):67–72

The role of host lymphocytes and host macrophages in antitumor reactions after injection of sensitized lymphocytes and tumor target cells into naive mice. Dullens HF, et al. **Cancer Immunol Immunother** 1986; 23(2):113–8

Suppression of both macrophage–mediated tumor cell lysis and cytolytic factor production by a factor (CIF) derived from normal embryonic fibroblasts. Gallily R, et al. **Cancer Immunol Immunother** 1986;23(1):60–6

In vitro and in vivo release of cytostatic factors from Lactobacillus casei–elicited peritoneal macrophages after stimulation with tumor cells and immunostimulants. Hashimoto S, et al. **Cancer Immunol Immunother** 1987; 24(1):1–7

Activation of rat alveolar macrophages and protection against i.v. injected tumor cells by intratracheal administration of trehalose dimycolate. Nolibe D, et al. **Cancer Immunol Immunother** 1986;23(3):200–6

I–Ad antigen expression of pyran copolymer–induced peritoneal cells in tumor vaccine–primed mice and its association with the host antitumor response. Oh–hashi F, et al. **Cancer Immunol Immunother** 1987;24(1):57–63

Enhanced susceptibility of target KMT–17 cells to activated macrophages by treatment with the antitumor agent bleomycin. Xu ZY, et al. **Cancer Immunol Immunother** 1986;23(1):46–50

Inhibition and augmentation of lymphoma metastasis by adoptively transferred peritoneal macrophages in hamster. Mashiba H, et al. **Cancer Lett** 1986 Oct;33(1):11–8

Effects of dietary retinyl palmitate and selenium on tumoricidal capacity of macrophages in mice undergoing tumor promotion. Watson RR, et al. **Cancer Lett** 1987 Aug; 36(2):181–7

Effect of polyamine depletion in vivo by DL–alpha–difluoromethylornithine on functionally distinct populations of tumoricidal effector cells in normal and tumor–bearing mice. Bowlin TL, et al. **Cancer Res** 1986 Nov;46(11):5494–8

Effect of recombinant human tumor necrosis factor on the induction of murine macrophage tumoricidal activity. Hori K, et al. **Cancer Res** 1987 Jun 1;47(11):2793–8

Tumoricidal effector mechanisms of murine Bacillus Calmette–Guérin–activated macrophages: mediation of cytolysis, mitochondrial respiration inhibition, and release of intracellular iron by distinct mechanisms. Klostergaard J, et al. **Cancer Res** 1987 Apr 15;47(8):2014–9

Differential expression of murine macrophage–mediated tumor cytotoxicity induced by interferons. Koestler TP, et al. **Cancer Res** 1987 Jun 1;47(11):2804–8

Herpes simplex virus–induced suppression of macrophage–mediated tumoricidal activity in murine macrophages. Koff WC, et al. **Cancer Res** 1987 Mar 15; 47(6):1534–7

Role of antitumor activity of alveolar macrophages in lung cancer patients. Kuda T, et al. **Cancer Res** 1987 Apr 15; 47(8):2199–202

Tumor cytokinetics in the presence of normal, alloimmune, or Bacillus Calmette–Guérin–activated host cells simultaneously assayed in vivo and in vitro. Normann SJ, et al. **Cancer Res** 1987 Apr 15;47(8):2067–72

Detection of a polyoma virus–induced tumor–associated membrane antigen in mouse cells by the macrophage migration inhibition test. Ramqvist T, et al. **Cancer Res** 1986 Oct;46(10):5045–8

Inability of anti–asialo–GM1 and 2–chloroadenosine to abrogate maleic anhydride–divinyl ether–induced resistance against experimental murine lung carcinoma metastases. Schultz RM, et al. **Cancer Res** 1986 Nov; 46(11):5624–8

Isolation and characterization of a receptor lectin specific for galactose/N–acetylgalactosamine from macrophages. Kawasaki T, et al. **Carbohydr Res** 1986 Aug 15;151:197–206

Induction of tumouricidal macrophages by MTP–PE: its enhancement by a factor produced spontaneously by tumour cells. Yamagami S, et al. **Cell Biol Int Rep** 1987 Jun;11(6):465–76

Interleukin–1 production and antigen presentation by normal human peritoneal macrophages. Becker S, et al. **Cell Immunol** 1986 Apr 1;98(2):467–76

Antibody bipolar bridging: isotype–dependent signals given to guinea pig alveolar macrophages by anti–MHC alloantibodies. Benichou G, et al. **Cell Immunol** 1987 May; 106(2):304–17

Stimulation of prostaglandin–dependent macrophage suppressor cells by the subcutaneous injection of polyunsaturated fatty acids. Ellis NK, et al. **Cell Immunol** 1986 Oct 15;102(2):251–60

Induction of tumor cell resistance to macrophage–mediated lysis by preexposure to non–activated macrophages. Fishman M, et al. **Cell Immunol** 1986 Apr 15;99(1):241–56

Shifts in macrophage (M phi) surface phenotypes during tumor growth: association of Mac–2+ and Mac–3+ M phi with immunosuppressive activity. Garner RE, et al. **Cell Immunol** 1987 Sep;108(2):255–68

Higher ADCC of murine peritoneal cells after immunization with allogenic tumor cells as compared with stimulation by adriamycin, BCG, and thioglycolate. Haisma HJ, et al. **Cell Immunol** 1986 Sep;101(2):454–62

A significant role of the macrophage accumulation induced by MCF in the protection of mice against Listeria monocytogenes in vivo. Handa T, et al. **Cell Immunol** 1987 May;106(2):330–42

Induction of in vivo helper activity for murine antibody responses by macrophages pulsed with ovalbumin–monomethoxypolyethylene glycol (OA–mPEG) conjugates. Holford–Strevens V, et al. **Cell Immunol** 1987 Feb;104(2):245–54

Macrophage activation in rat models of inflammation and arthritis: determination of markers of stages of activation. Johnson WJ, et al. **Cell Immunol** 1986 Nov;103(1):54–64

Accessory cell function in a Con A response: role of Ia and interleukin 1. Kohno K, et al. **Cell Immunol** 1987 May; 106(2):250–9

The effects of cytokines and adherent cells on the interleukin 4–mediated induction of Ia antigens on resting B cells. Oliver K, et al. **Cell Immunol** 1987 May;106(2):428–36

Dendritic cells but not macrophages are targets for immune regulation by natural killer cells. Shah PD. **Cell Immunol** 1987 Feb;104(2):440–5

Biochemistry and biology of antigen presentation by macrophages. Unanue ER, et al. **Cell Immunol** 1986 Apr 15;99(1):3–6

Macrophage defect and inflammatory cell recruitment dysfunction in Salmonella susceptible C3H/HeJ mice. Weinstein DL, et al. **Cell Immunol** 1986 Oct 1;102(1):68–77

Evaluation of alveolar macrophages in normals and individuals with active pulmonary sarcoidosis for the spontaneous expression of the interleukin–1 beta gene. Wewers MD, et al. **Cell Immunol** 1987 Jul;107(2):479–88

Quantitation of the intrarenal uptake of immunoglobulin aggregates by macrophages in diffuse proliferative glomerulonephritis. Boyce NW, et al. **Clin Exp Immunol** 1986 Jun;64(3):638–45

The density of HLA–DR antigen expression on alveolar macrophages is increased in pulmonary sarcoidosis. Campbell DA, et al. **Clin Exp Immunol** 1986 Jul; 65(1):165–71

Microbicidal activity of monocyte derived macrophages in AIDS and related disorders. Eales LJ, et al. **Clin Exp Immunol** 1987 Feb;67(2):227–35

Immunoglobulin E–dependent stimulation of human alveolar macrophages: significance in type 1 hypersensitivity. Fuller RW, et al. **Clin Exp Immunol** 1986 Aug;65(2):416–26

Altered immune function in alloxan–induced diabetes in mice. Glass EJ, et al. **Clin Exp Immunol** 1986 Sep;65(3):614–21

Regulation of IgE synthesis by macrophages expressing FcE–receptors: role of interleukin 1. Mazingue C, et al. **Clin Exp Immunol** 1987 Mar;67(3):587–93

Relationship of macrophages to defective delayed–type hypersensitivity in B6/lpr mice. Okuyama H, et al. **Clin Exp Immunol** 1986 Dec;66(3):599–605

Generation of suppressor macrophages during the human autologous mixed lymphocyte reaction. Pretell JO, et al. **Clin Exp Immunol** 1986 Jul;65(1):158–64

Macrophage cytotoxicity in lethal and non–lethal murine malaria and the effect of vaccination. Taverne J, et al. **Clin Exp Immunol** 1986 Oct;66(1):44–51

The differentiation antigens of macrophages in human fetal liver. Bhoopat L, et al. **Clin Immunol Immunopathol** 1986

Nov;41(2):184–92
T-cell activation defect in common variable immunodeficiency: restoration by phorbol myristate acetate (PMA) or allogeneic macrophages. Fiedler W, et al. **Clin Immunol Immunopathol** 1987 Aug;44(2):206–18
The poor accessory cell function of macrophages in the rat may reflect their inability to form clusters with T cells. Kradin RL, et al. **Clin Immunol Immunopathol** 1987 Sep; 44(3):348–63
The presence of IgE on macrophages and dendritic cells infiltrating into the skin lesion of atopic dermatitis. Leung DY, et al. **Clin Immunol Immunopathol** 1987 Mar; 42(3):328–37
Effects of immunopotentiating agents on alveolar macrophage properties. Charley B. **Comp Immunol Microbiol Infect Dis** 1986;9(2–3):155–9 (40 ref.)
Influence of cell sources, stimulating agents, and incubation conditions on release of interleukin-1 from chicken macrophages. Klasing KC, et al. **Dev Comp Immunol** 1987 Spring;11(2):385–94
Differential uptake of neutral red by macrophages from three species of estuarine fish. Weeks BA, et al. **Dev Comp Immunol** 1987 Winter;11(1):117–24
The macrophage migration inhibition (MIF) assay as a marker of colorectal cancer. Studies in patients with colorectal cancer, noncolonic neoplasms, and conditions predisposing to colorectal cancer. Shkolnik T, et al. **Dis Colon Rectum** 1987 Feb;30(2):101–5
Reappearance of immune complex binding sites on macrophages after internalization and its inhibition by monensin. Kiss AL, et al. **Eur J Cell Biol** 1987 Jun; 43(3):322–8
Phagocytosis and resistance to Salmonella typhimurium infection in mice fed with lipidic diet. Romano Carratelli C, et al. **Eur J Epidemiol** 1986 Jun;2(2):124–7
2.4G2, a monoclonal antibody to macrophage Fc gamma receptors, reacts with murine T cell Fc gamma receptors and IgG-binding factors. Daëron M, et al. **Eur J Immunol** 1986 Dec;16(12):1545–50
Specific lysis of Listeria monocytogenes-infected macrophages by class II-restricted L3T4+ T cells. Kaufmann SH, et al. **Eur J Immunol** 1987 Feb;17(2):237–46
Functional diversity of Ia epitopes on macrophages. Kedar I, et al. **Eur J Immunol** 1987 Jul;17(7):915–9
A new epitope of the T200 molecule family defined by the 3A35 monoclonal antibody and expressed by macrophages and activated T lymphocytes. Le Corre R, et al. **Eur J Immunol** 1987 Mar;17(3):327–33
Effect of lipopolysaccharide on intracellular killing of Leishmania enriettii and correlation with macrophage oxidative metabolism. Mauël J, et al. **Eur J Immunol** 1987 Feb;17(2):203–8
Phagocytosis and killing of Haemophilus influenzae by alveolar macrophages: no difference between smokers and non-smokers. Jonsson S, et al. **Eur J Respir Dis** 1987 May; 70(5):309–15
Enhancement of peritoneal macrophage activity by bovine gamma globulin in mice. Di Nardo P, et al. **Experientia** 1986 Dec 1;42(11–12):1259–62
Immunological activities of muramyl peptides. Bahr GM, et al. **Fed Proc** 1986 Oct;45(11):2541–4
Immunopharmacology of muramyl peptides. Masek K. **Fed Proc** 1986 Oct;45(11):2549–51
Mononuclear phagocyte activation: activation-associated antigens. Todd RF 3d, et al. **Fed Proc** 1986 Nov; 45(12):2829–36 (55 ref.)
Human mononuclear phagocytic cell interaction with some Paramyxoviridae. Bonina L, et al. **G Batteriol Virol Immunol** 1985 Jul–Dec;78(7–12):254–61
"In vitro" study on human mononuclear phagocytic cells behaviour versus DNA and RNA viruses. Mastroeni P, et al. **G Batteriol Virol Immunol** 1985 Jul–Dec; 78(7–12):262–73
An investigation of Ki-1 positive large cell lymphoma with antibodies reactive with tissue macrophages. Jones DB, et al. **Hematol Oncol** 1986 Oct–Dec;4(4):315–22
The immunoregulatory role of the macrophage. Unanue ER, et al. **Hosp Pract [Off]** 1987 Apr 15;22(4):87–98, 102–4
The macrophage population of the gastro-intestinal tract of the rat. Sminia T, et al. **Immunobiology** 1986 Aug; 172(1–2):72–80
Activation of complement by soluble IgG aggregates and their subsequent interaction with macrophages. Daha MR, et al. **Immunol Lett** 1987 Feb;14(3):217–24
Modulation of guinea pig peritoneal macrophage migration in vitro: effects of protease inhibitors. Vilić IM, et al. **Immunol Lett** 1987 Apr;14(4):271–6
Phagocytosis of unopsonized zymosan particles by trypsin-sensitive and beta-glucan-inhibitable receptors on bone marrow-derived murine macrophages. Kadish JL, et al. **Immunol Res** 1986;5(2):129–38
I-J-positive cloned macrophages as accessory cells for the induction of suppressor T cells in vitro. Nakamura RM, et al. **Immunol Res** 1986;5(2):106–16
Regulation and role of thyroid cell class II antigen expression. Weetman AP. **Immunol Res** 1986;5(2):89–96 (36 ref.)
Killing of Giardia muris trophozoites in vitro by spleen, mesenteric lymph node and peritoneal cells from susceptible and resistant mice. Belosevic M, et al. **Immunology** 1986 Oct;59(2):269–75
Variable effects of dengue virus-induced cytotoxic factors on different subpopulations of macrophages. Chaturvedi UC, et al. **Immunology** 1987 Jul;61(3):297–301
Dual regulation of anti-bacterial resistance and inflammatory neutrophil and macrophage accumulation by L3T4+ and Lyt 2+ Listeria-immune T cells. Czuprynski CJ, et al. **Immunology** 1987 Feb;60(2):287–93
Effect of histamine on the gene expression and biosynthesis of complement components C2, factor B and C3 in mouse peritoneal macrophages. Falus A, et al. **Immunology** 1987 Apr;60(4):547–51
Expression of HLA class II antigens and secretion of interleukin-1 by monocytes and macrophages from adults and neonates. Glover DM, et al. **Immunology** 1987 Jun; 61(2):195–201
Interferon-alpha enhances the production of leukotriene B4 in murine peritoneal macrophages stimulated by opsonized zymosan. Ito M, et al. **Immunology** 1987 Apr;60(4):617–9
The effect of immunoglobulin G1 structure on macrophage binding to supported planar lipid monolayers. Kimura K, et al. **Immunology** 1986 Oct;59(2):235–8
Differing role of dendritic cells and macrophages in the induction of delayed-type hypersensitivity responses to PPD. Mukherjee S, et al. **Immunology** 1986 Oct; 59(2):229–34
Ia antigen expression and IL-1 activity in murine tumour-associated macrophages. Peri G, et al. **Immunology** 1986 Dec;59(4):527–33
Specific inhibition of macrophage antibody-dependent endocytosis by p-chloromercuribenzenesulphonic acid: identification of sensitive membrane proteins. Petty HR. **Immunology** 1987 Feb;60(2):269–73
Presence of antigenic determinants common to Fc IgE receptors on human macrophages, T and B lymphocytes and IgE-binding factors. Sarfati M, et al. **Immunology** 1986 Dec;59(4):569–75
The mouse macrophage-specific glycoprotein defined by monoclonal antibody F4/80: characterization, biosynthesis and demonstration of a rat analogue. Starkey PM, et al. **Immunology** 1987 Jan;60(1):117–22
Increased infectivity of stationary-phase promastigotes of Leishmania donovani: correlation with enhanced C3 binding capacity and CR3-mediated attachment to host macrophages. Wozencraft AO, et al. **Immunology** 1987 Apr; 60(4):559–63
The effect of calmodulin antagonists on the activation of RAW-264 macrophage-like cells for tumor cell killing. Gorecka-Tisera AM, et al. **Immunopharmacology** 1986 Aug;12(1):59–67
Role of resident peritoneal macrophages in age-related susceptibility to Japanese encephalitis virus in mice. Kulkarni AB, et al. **Indian J Med Res** 1987 Mar;85:239–43
Macrophage chemotaxis in Mycobacterium leprae infected mice. Kumar B, et al. **Indian J Med Res** 1987 Feb;85:125–9
Induction of a macrophage-suppressive lymphokine by soluble cryptococcal antigens and its association with models of immunologic tolerance. Blackstock R, et al. **Infect Immun** 1987 Jan;55(1):233–9
Nonoxidative microbicidal activity in normal human alveolar and peritoneal macrophages. Catterall JR, et al. **Infect Immun** 1987 Jul;55(7):1635–40
Chemiluminescent responses of alveolar macrophages from normal and Mycobacterium bovis BCG-vaccinated rabbits as a function of age. Chida K, et al. **Infect Immun** 1987 Jun;55(6):1476–83
Mycobacterium leprae-specific Lyt-2+ T lymphocytes with cytolytic activity. Chiplunkar S, et al. **Infect Immun** 1986 Dec;54(3):793–7
Suppression of interleukin-2 production by macrophages in genetically susceptible mice infected with Leishmania major. Cillari E, et al. **Infect Immun** 1986 Nov;54(2):386–94
Effect of rat surfactant lipids on complement and Fc receptors of macrophages. Coonrod JD, et al. **Infect Immun** 1986 Nov;54(2):371–8
Histoplasma capsulatum fails to trigger release of superoxide from macrophages. Eissenberg LG, et al. **Infect Immun** 1987 Jan;55(1):29–34
Analysis of macrophage bactericidal function in genetically resistant and susceptible mice by using the temperature-sensitive mutant of Listeria monocytogenes. Gervais F, et al. **Infect Immun** 1986 Nov;54(2):315–21
Stimulation of complement component C3 synthesis in macrophagelike cell lines by group B streptococci. Goodrum KJ. **Infect Immun** 1987 May;55(5):1101–5
Macrophage uptake and retention of radiolabeled glycopeptidolipid antigens associated with the superficial L1 layer of Mycobacterium intracellulare serovar 20. Hooper LC, et al. **Infect Immun** 1986 Oct;54(1):133–41
Gamma interferon-mediated increase in the number of Ia-bearing macrophages during infection with Listeria monocytogenes. Koga T, et al. **Infect Immun** 1987 Sep; 55(9):2300–3
Presence of a macrophage-mediated suppressor cell mechanism during cell-mediated immune response in experimental visceral leishmaniasis. Murray HW, et al. **Infect Immun** 1986 Nov;54(2):487–93
Susceptibilities of macrophage populations to infection in vitro by Leishmania donovani. Olivier M, et al. **Infect Immun** 1987 Feb;55(2):467–71
In vivo killing and degradation of Mycobacterium aurum within mouse peritoneal macrophages. Silva MT, et al. **Infect Immun** 1987 Sep;55(9):2006–16
Role of mononuclear phagocytes in expression of resistance and susceptibility to Mycobacterium avium infections in mice. Stokes RW, et al. **Infect Immun** 1986 Dec;54(3):811–9
Treponemal infection specifically enhances node T-cell regulation of macrophage activity. Tabor DR, et al. **Infect Immun** 1986 Oct;54(1):21–7
Effect of acute nutritional deprivation on macrophage colony-stimulating factor and macrophage progenitor cells in mice. Wing EJ, et al. **Infect Immun** 1986 Oct;54(1):245–9
Are macrophages the target of antigenic competition between different epitopes of a hapten-carrier conjugate? Neveu PJ. **Int Arch Allergy Appl Immunol** 1987;84(1):103–7
T cell reactivity of conjugates of N-formyl-methionyl-leucyl-phenylalanine and rye-grass pollen allergens. Wheeler AW, et al. **Int Arch Allergy Appl Immunol** 1987;84(1):69–73
Characterization of 3LL-tumor variants generated by in vitro macrophage-mediated selection. Remels LM, et al. **Int J Cancer** 1987 Mar 15;39(3):343–52
Expression of lectin receptors on the surface of granulocyte-macrophage progenitor cells (CFU-gm). Aizawa S, et al. **Int J Cell Cloning** 1986 Nov;4(6):464–71
Pharmacological analysis of guinea-pig macrophage chemiluminescence responses to platelet activating factor and opsonized zymosan. Parnham MJ, et al. **Int J Immunopharmacol** 1986;8(8):951–9
Release of cytolytic factor(s) by murine macrophages in vitro on treatment with cis-platin. Sodhi A, et al. **Int J Immunopharmacol** 1986;8(7):701–7
Modulatory effects of glucocorticoids on immunoregulatory functions of epidermal cells. Stošić-Grujičić S, et al. **Int J Immunopharmacol** 1987;9(5):577–85
Correlation between the presence of intracellular OK-432 and antitumor activity of peritoneal macrophages. Toge T, et al. **Int J Immunopharmacol** 1986;8(6):599–603
Macrophage-induced procoagulation assay for the detection of defective macrophage activation in leprosy patients. Long HT, et al. **Int J Lepr Other Mycobact Dis** 1986 Dec; 54(4):641–4
Macrophage migration inhibition factor test in breast tumors. Gutman H, et al. **Isr J Med Sci** 1986 Nov;22(11):812–6
Modulation of natural killer cell function by human alveolar macrophages. Weissman DN, et al. **J Allergy Clin Immunol** 1986 Oct;78(4 Pt 1):571–7
OF4949, new inhibitors of aminopeptidase B. V. Effect on the murine immune system. Sano S, et al. **J Antibiot (Tokyo)** 1987 Apr;40(4):519–25
Tumoricidal effector mechanisms of murine BCG-activated macrophages. I. Parameters of production and initial characterization of a cytolytic factor serologically related to necrosin. Klostergaard J, et al. **J Biol Response Mod** 1987 Jun;6(3):313–30
A new class of synthetic biological response modifiers: the methylfurylbutyrolactones (Nafocare B). Veltri RW, et al. **J Biol Response Mod** 1986 Oct;5(5):444–61
Pulmonary alveolar macrophages in patients with sarcoidosis and hypersensitivity pneumonitis: characterization by monoclonal antibodies. Agostini C, et al. **J Clin Immunol** 1987 Jan;7(1):64–70
Monocyte (macrophage)-specific antibodies in patients with systemic lupus erythematosus (SLE). Shirakawa F, et al. **J Clin Immunol** 1987 Mar;7(2):121–9
Indomethacin in vivo increases the sensitivity to Listeria infection in mice. A possible role for macrophage thromboxane A2 synthesis. Tripp CS, et al. **J Clin Invest** 1987 Feb;79(2):399–403
Response of bacterial antigen in palmoplantar pustulosis. Ishibashi A, et al. **J Clin Lab Immunol** 1986 Oct;21(2):93–6
Enhanced clearance of Candida albicans from lung after intratracheal immunization. Lal S, et al. **J Clin Lab Immunol** 1986 Sep;21(1):23–30
The effects of macrophages on interleukin 2 production in thymocytes of New Zealand black mice. Minoda M, et al. **J Clin Lab Immunol** 1987 Jan;22(1):29–34
Factor VIII related antigen positive macrophages and acquired immune deficiency syndrome (AIDS): a problem of antibody specificity. Millard PR, et al. **J Clin Pathol** 1987 Mar;40(3):262–6
Role of the adherence-promoting receptors, CR3, LFA-1, and p150,95, in binding of Histoplasma capsulatum by human macrophages. Bullock WE, et al. **J Exp Med** 1987 Jan 1;165(1):195–210
Species heterogeneity in macrophage expression of the CD4 antigen. Crocker PR, et al. **J Exp Med** 1987 Aug 1; 166(2):613–8
Leishmania promastigotes are recognized by the macrophage receptor for advanced glycosylation endproducts. Mosser DM, et al. **J Exp Med** 1987 Jan 1;165(1):140–5
Advanced glycosylation endproducts on erythrocyte cell surface induce receptor-mediated phagocytosis by macrophages. A model for turnover of aging cells. Vlassara H, et al. **J Exp Med** 1987 Aug 1;166(2):539–49
Macrophage type 3 complement receptors mediate serum-independent binding of Leishmania donovani. Detection of macrophage-derived complement on the parasite surface by immunoelectron microscopy. Wozencraft AO, et al. **J Exp Med** 1986 Oct 1;164(4):1332–7
Phagocytosis of Campylobacter jejuni and C. coli by peritoneal macrophages. Banfi E, et al. **J Gen Microbiol** 1986 Aug;132 (Pt 8):2409–12
Studies on the expression of spontaneous and induced interferons in mouse peritoneal macrophages by means of monoclonal antibodies to mouse interferons. Belardelli F,

et al. **J Gen Virol** 1987 Aug;68 (Pt 8):2203–12
T cell–macrophage interactions in the immune response to herpes simplex virus: the significance of interferon–gamma. Seid JM, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2799–802
F4/80 anJ peroxidatic activity of macrophages [letter] Ginsel LA. **J Histochem Cytochem** 1987 Oct;35(10):1168–70
Ki-M7 monoclonal antibody specific for myelomonocytic cell lineage and macrophages in human. Kreipe H, et al. **J Histochem Cytochem** 1987 Oct;35(10):1117–26
The role of T-system immunity in reparatory regeneration of the bone tissue in animals. Askalonov AA, et al. **J Hyg Epidemiol Microbiol Immunol** 1987;31(2):219–24
Effect of ionizing radiation on the content of receptors to Fc–fragments of immunoglobulins in peritoneal macrophages of mice. Klemparskaya NN, et al. **J Hyg Epidemiol Microbiol Immunol** 1987;31(2):203–7
A T cell–independent mechanism of macrophage activation by interferon–gamma. Bancroft GJ, et al. **J Immunol** 1987 Aug 15;139(4):1104–7
The third component of complement (C3) bound to tumor target cells enhances their sensitivity to killing by activated macrophages. Bara S, et al. **J Immunol** 1987 Feb 15; 138(4):1303–9
Chemotactic factor and P15E–related chemotaxis inhibitor in human melanoma cell lines with different macrophage content and tumorigenicity in nude mice. Benomar A, et al. **J Immunol** 1987 Apr 1;138(7):2372–9
In vivo and in vitro activation of alveolar macrophages by recombinant interferon–gamma. Black CM, et al. **J Immunol** 1987 Jan 15;138(2):491–5
Role of protein kinase C and intracellular calcium mobilization in the induction of macrophage tumoricidal activity by interferon–gamma. Celada A, et al. **J Immunol** 1986 Oct 1;137(7):2373–9
Effects of interferon–gamma and tumor necrosis factor–alpha on the expression of an Ia antigen on a murine macrophage cell line. Chang RJ, et al. **J Immunol** 1986 Nov 1; 137(9):2853–6
B cell stimulatory factor–1 (interleukin 4) activates macrophages for increased tumoricidal activity and expression of Ia antigens. Crawford RM, et al. **J Immunol** 1987 Jul 1;139(1):135–41
Functional alterations of macrophages in autoimmune MRL–lpr/lpr mice. Dang–Vu AP, et al. **J Immunol** 1987 Mar 15;138(6):1757–61
Cell–associated tumor necrosis factor (TNF) as a killing mechanism of activated cytotoxic macrophages. Decker T, et al. **J Immunol** 1987 Feb 1;138(3):957–62
Susceptibility/resistance to mouse hepatitis virus strain 3 and macrophage procoagulant activity are genetically linked and controlled by two non–H–2–linked genes. Dindzans VJ, et al. **J Immunol** 1986 Oct 1;137(7):2355–60
Astrocyte–derived interleukin 3 as a growth factor for microglia cells and peritoneal macrophages. Frei K, et al. **J Immunol** 1986 Dec 1;137(11):3521–7
Spontaneous production of a suppressor factor by a human macrophage–like cell line U937. II. Suppression of antigen– and mitogen–induced blastogenesis, IL 2 production and IL 2 receptor expression in T lymphocytes. Fujiwara H, et al. **J Immunol** 1987 Jan 1;138(1):197–203
Correlation between the lipopolysaccharide response of mice and the capacity of mouse peritoneal cells to transfer an antiviral state. Role of endogenous interferon. Gessani S, et al. **J Immunol** 1987 Sep 15;139(6):1991–8
Regulation of B cell activation by prostaglandins: cell cycle–specific effects on activation by anti–immunoglobulin and 8–mercaptoguanosine. Goodman MG. **J Immunol** 1986 Dec 15;137(12):3753–7
Analysis of deficiencies in IFN–gamma–mediated priming for tumor cytotoxicity in peritoneal macrophages from A/J mice. Hamilton TA, et al. **J Immunol** 1986 Nov 15; 137(10):3367–71
Interleukin 2 receptors are expressed by alveolar macrophages during pulmonary sarcoidosis and are inducible by lymphokine treatment of normal human lung macrophages, blood monocytes, and monocyte cell lines. Hancock WW, et al. **J Immunol** 1987 Jan 1;138(1):185–91
Identification of IL 2R+ T cells and macrophages within rejecting rat cardiac allografts, and comparison of the effects of treatment with anti–IL 2R monoclonal antibody or cyclosporin. Hancock WW, et al. **J Immunol** 1987 Jan 1;138(1):164–70
Enhanced lytic suceptibility of Ha–ras transformants after oncogene induction is specific to activat:d NK cells. Johnson PW, et al. **J Immunol** 1987 Jun 1; 138(11):3996–4003
Inhibition of macrophage accessory cell function in casein–treated B6C3F1 mice. Kaminski NE, et al. **J Immunol** 1987 Sep 15;139(6):1804–10
Enhanced killing of Candida albicans by murine macrophages treated with macrophage colony–stimulating factor: evidence for augmented expression of mannose receptors. Karbassi A, et al. **J Immunol** 1987 Jul 15;139(2):417–21
Antibody inhibition of suppressor cell induction. Kawasaki H, et al. **J Immunol** 1987 Apr 1;138(7):2063–8
Functional analysis of cloned macrophage hybridomas. V. Induction of suppressor T cell responses. Kawasaki H, et al. **J Immunol** 1986 Oct 1;137(7):2145–51
Induction, maintenance, and reinduction of tumoricidal activity in bone marrow–derived mononuclear phagocytes by Corynebacterium parvum. Evidence for the involvement of a T cell– and interferon–gamma–independent pathway of macrophage activation. Keller R, et al. **J Immunol** 1987 Apr 1; 138(7):2366–71
Selective inhibition of the generation of T suppressor cells of contact sensitivity in vitro by interferon. Knop J, et al. **J Immunol** 1987 Jun 1;138(11):3684–7
Suppressed expression of surface Ia on macrophages by lipopolysaccharide: evidence for regulation at the level of accumulation of mRNA. Koerner TJ, et al. **J Immunol** 1987 Jul 1;139(1):239–43
Correlation of immunogenicity and production of ornithine by peritoneal macrophages. Kriegbaum H, et al. **J Immunol** 1987 Aug 1;139(3):899–904
Mechanisms of T cell hyperreactivity in obese strain (OS) chickens with spontaneous autoimmune thyroiditis: lack in nonspecific suppression is due to a primary adherent cell defect. Krömer G, et al. **J Immunol** 1987 Apr 1; 138(7):2104–9
CSF–1–induced resistance to viral infection in murine macrophages. Lee MT, et al. **J Immunol** 1987 May 1; 138(9):3019–22
Macrophage handling of a tolerogen and the role of IL 1 in tolerance induction in a helper T cell clone in vitro. Levich JD, et al. **J Immunol** 1987 Jun 1;138(11):3675–9
Distinct mechanisms regulate MHC class II gene expression in B cells and macrophages. Maffei A, et al. **J Immunol** 1987 Aug 1;139(3):942–8
The role of macrophages in anti–idiotypic antibody and T suppressor factor induction of timothy grass pollen antigen B–specific T suppressor cells. Malley A, et al. **J Immunol** 1987 Aug 15;139(4):1046–53
Macrophage C1q: characterization of a membrane form of C1q and of multimers of C1q subunits. Martin H, et al. **J Immunol** 1987 Jun 1;138(11):3863–7
Maleylated bovine serum albumin triggers cytolytic function in selected populations of primed murine macrophages. Somers SD, et al. **J Immunol** 1987 Aug 15;139(4):1361–8
Effects of human alveolar macrophages on the induction of lymphokine (IL 2)–activated killer cells. Sone S, et al. **J Immunol** 1987 Jul 1;139(1):29–34
Activated macrophages and antibodies against the plant lectin, GSI–B4, recognize the same tumor–associated structure (TAS). Takacs B, et al. **J Immunol** 1987 Mar 15; 138(6):1999–2007
The functional significance of the regulation of macrophage Ia expression by endogenous arachidonate metabolites in vitro. Tripp CS, et al. **J Immunol** 1986 Dec 15; 137(12):3915–20
Modulation of the induction and circumvention of immunological tolerance to human gamma–globulin by interleukin 1. Weigle WO, et al. **J Immunol** 1987 Apr 1; 138(7):2069–74
Induction of macrophage Ia expression by lipopolysaccharide and Listeria monocytogenes in congenitally athymic nude mice. Wentworth PA, et al. **J Immunol** 1987 May 15; 138(10):3167–73
Peritoneal macrophages exposed to purified macrophage colony–stimulating factor (M–CSF) suppress mitogen– and antigen–stimulated lymphocyte proliferation. Wing EJ, et al. **J Immunol** 1986 Nov 1;137(9):2768–73
Stimulatory effects of retinoic acid on macrophage interaction with blood forms of Trypanosoma cruzi: involvement of transglutaminase activity. Wirth JJ, et al. **J Immunol** 1986 Nov 15;137(10):3326–31
Regulation of I–A expression by murine peritoneal macrophages: differences linked to the Bcg gene. Zwilling BS, et al. **J Immunol** 1987 Mar 1;138(5):1372–6
A new assay to measure monoclonal antibody–dependent complement or macrophage–mediated tumor growth inhibition. Wei WZ, et al. **J Immunol Methods** 1987 Aug 24;102(1):53–8
Activated macrophage hybridomas secreting a cytotoxic factor. Takeda T, et al. **J Immunopharmacol** 1986; 8(4):499–513
Role of antigen–presenting cells in congenital cytomegalovirus–specific immunodeficiency. Gehrz RC, et al. **J Infect Dis** 1987 Jul;156(1):198–202
In vitro activation of the antibacterial activity of human pulmonary macrophages by recombinant gamma interferon. Jensen WA, et al. **J Infect Dis** 1987 Mar; 155(3):574–7
Antigen presentation by specifically sensitized macrophages in interferon–gamma induction. Antonelli G, et al. **J Interferon Res** 1986 Oct;6(5):535–42
Activation of mouse macrophages for migration inhibition and for tumor cytotoxicity is mediated by interferon–gamma priming and triggering by various agents. Herriott MJ, et al. **J Interferon Res** 1987 Apr; 7(2):165–71
Enhancement of macrophage and monocyte cytotoxicity by the surface active material of lung lining fluid. Baughman RP, et al. **J Lab Clin Med** 1987 Jun;109(6):692–7
Immunohistochemical analysis of the involvement of F4/80 and Ia–positive macrophages in mouse liver infected with lymphocytic choriomeningitis virus. Dixon JE, et al. **J Leukocyte Biol** 1986 Nov;40(5):617–28
Expression of class II–MHC antigens by tumor–associated and peritoneal macrophages: systemic induction during tumor growth and tumor rejection. Evans R, et al. **J Leukocyte Biol** 1986 Nov;40(5):499–509
Variations in macrophage antigen phenotype: a correlation between Ia antigen reduction and immune dysfunction during tumor growth. Garner RE, et al. **J Leukocyte Biol** 1986 Nov;40(5):561–74
Changes in splenic macrophage Mac antigen expression during tumor growth: a kinetic study of accessory cell function and antigen–defined phenotypes. Garner RE, et al. **J Leukocyte Biol** 1986 Dec;40(6):709–24
Macrophage migration inhibition induced by MDP, LPS, PMA, and MIF/MAF: reversal by macrophage migration enhancement factor (MEF), L–fucose, L–fucosyl BSA, D–mannose, and D–mannosyl BSA. Gordon MR, et al. **J Leukocyte Biol** 1987 Sep;42(3):197–203
Phorbol ester circumvents the need for macrophages as well as for mitogenic lectins in the stimulation of lymphocytes with wheat germ agglutinin or the calcium ionophores A23187 or ionomycin. Grier CE 3d, et al. **J Leukocyte Biol** 1986 Nov;40(5):511–23
Role of pulmonary macrophages in resistance to experimental metastasis. Jackson RA, et al. **J Leukocyte Biol** 1986 Nov; 40(5):575–87
Suppressive effect of interferon–beta on development of tumoricidal activity in mouse macrophages. Pace JL, et al. **J Leukocyte Biol** 1987 Mar;41(3):257–63
Comparison of five short–term assays that measure nonspecific cytotoxicity mediated to tumor cells by activated macrophages. Russell SW, et al. **J Leukocyte Biol** 1986 Dec;40(6):801–13
Red blood cell homeostasis: recognition of distinct types of damaged homologous red blood cells by a mouse macrophage cell line. Singer JA, et al. **J Leukocyte Biol** 1987 Jun;41(6):500–4
Alveolar macrophage phagocytic kinetics following pulmonary parainfluenza–3 virus infection. Slauson DO, et al. **J Leukocyte Biol** 1987 May;41(5):412–20
A new monoclonal antibody, TRPM–3, binds specifically to certain rat macrophage populations: immunohistochemical and immunoelectron microscopic analysis. Takeya M, et al. **J Leukocyte Biol** 1987 Mar; 41(3):187–95
Expression of an activation antigen, Mo3e, associated with the cellular response to migration inhibitory factor by HL–60 promyelocytes undergoing monocyte–macrophage differentiation. Todd RF 3d, et al. **J Leukocyte Biol** 1987 Jun;41(6):492–9
Modulation of macrophage I–A expression: lack of effect of prostaglandins and glucocorticoids on macrophages that continuously express I–A. Vespa L, et al. **J Leukocyte Biol** 1987 Jan;41(1):47–54
The effects of soluble Saccharomyces cerevisiae mannan on the phagocytosis of Candida albicans by mouse peritoneal macrophages in vitro. Kolotila MP, et al. **J Med Vet Mycol** 1987 Apr;25(2):85–96
The modulation of class II histocompatibility antigens and 'activated' macrophage determinant in the spinal cord during the development of chronic relapsing experimental allergic encephalomyelitis (CREAE) in the guinea pig—relevance to the induction of remission? Antoniou AV, et al. **J Neuroimmunol** 1987 May;15(1):57–71
MHC antigen expression on bulk isolated macrophage–microglia from newborn mouse brain: induction of Ia antigen expression by gamma–interferon. Suzumura A, et al. **J Neuroimmunol** 1987 Jul–Aug; 15(3):263–78
Activated T–cells and macrophages in the cerebrospinal fluid and the spinal meningeal exudate in chronic relapsing experimental allergic encephalomyelitis. Suckling AJ, et al. **J Neurol Sci** 1987 May;78(3):241–52
Macrophage function in patients with American cutaneous leishmaniasis: in vitro cytotoxicity and interleukin–1 production. Ridel PR, et al. **J Parasitol** 1987 Aug; 73(4):769–73
Contribution of the complement system to antibody–mediated binding of Trypanosoma gambiense to macrophages. Takayanagi T, et al. **J Parasitol** 1987 Apr; 73(2):333–41
Osteoclasts contain macrophage and megakaryocyte antigens. Athanasou NA, et al. **J Pathol** 1986 Dec;150(4):239–46
Periodontal manifestations of the heritable Mac–1, LFA–1, deficiency syndrome. Clinical, histopathologic and molecular characteristics. Waldrop TC, et al. **J Periodontol** 1987 Jun;58(6):400–16
Interleukin–1 secretion by peripheral blood monocytes and synovial macrophages from patients with rheumatoid arthritis. Danis VA, et al. **J Rheumatol** 1987 Feb;14(1):33–9
Augmentation of lymphoproliferative activity of tumor–bearing BALB/c mice to soluble tumor antigens by surgical manipulation: the possible role of macrophages. Laing CA, et al. **J Surg Oncol** 1987 May;35(1):1–6
Interactions between macrophages and T–lymphocytes: tumor sneaking through intrinsic to helper T cell dynamics. de Boer RJ, et al. **J Theor Biol** 1986 Jun 7;120(3):331–51
Macrophage–resistant murine simian virus 40 tumors express a retroviral type–specific gp70. Chapes SK, et al. **J Virol** 1987 Mar;61(3):928–32
Macrophages from endotoxin–hyporesponsive (Lpsd) C3H/HeJ mice are permissive for vesicular stomatitis virus because of reduced levels of endogenous interferon: possible mechanism for natural resistance to virus infection. Vogel SN, et al. **J Virol** 1987 Mar;61(3):812–8
Significance of suppressor macrophages for immunosurveillance of tumor–bearing mice. Fujii T, et al. **JNCI** 1987 Mar;78(3):509–17
Differential expression of tumor target binding and cytolytic

activities in bone marrow culture-derived macrophages. Lee KC, et al. **JNCI** 1986 Dec;77(6):1287–97

Differential induction of suppressor macrophages by cloned Lewis lung carcinoma variants in mice. Young MR, et al. **JNCI** 1986 Dec;77(6):1255–60

Human alveolar macrophages: wheat germ agglutinin-dependent tumor cell killing. Ogawara M, et al. **Jpn J Cancer Res** 1987 Mar;78(3):288–95

Lidocaine inhibits macrophage mediated cytotoxicity and enhances neutrophil mediated cytotoxicity. Cameron DJ. **Jpn J Exp Med** 1986 Dec;56(6):265–9

Effect of neuropeptides on macrophage mediated cytotoxicity in normal donors and cancer patients. Cameron DJ. **Jpn J Exp Med** 1987 Feb;57(1):31–9

Is cancer a macrophage-mediated autoaggressive disease? Munzarová M, et al. **Lancet** 1987 Apr 25;1(8539):952–4

Functional characteristics of human alveolar macrophages in lung cancer. Clerici N, et al. **Lung** 1986;164(6):355–64

Tumor necrosis factor augments the immunogenicity and the production of L-ornithine by peritoneal macrophages. Dröge W, et al. **Lymphokine Res** 1987 Spring;6(2):111–7

Are some major in vivo effects of gold related to microenvironments of decreased selenium? Dillard CJ, et al. **Med Hypotheses** 1986 Aug;20(4):407–20

The influence of killed Propionibacterium granulosum on experimental infection with Escherichia coli. Hof H, et al. **Med Microbiol Immunol (Berl)** 1987;176(2):75–8

The macrophages as an effector cell in Giardia lamblia infections. Kanwar SS, et al. **Med Microbiol Immunol (Berl)** 1987;176(2):83–8

Intracellular parasitism of macrophages in leishmaniasis: in vitro systems and their applications. Chang KP, et al. **Methods Enzymol** 1986;132:603–26

Induction of specific macrophage cytotoxicity. De Weger RA, et al. **Methods Enzymol** 1986;132:531–6

Cytotoxicity by macrophages and monocytes. De Weger RA, et al. **Methods Enzymol** 1986;132:458–67

Assay of a cytocidal protein excreted by activated macrophages. Drysdale BE, et al. **Methods Enzymol** 1986; 132:549–55

Activated macrophage-mediated cytotoxicity: use of the in vitro cytotoxicity assay for study of bioenergetic and biochemical changes that develop in tumor target cells. Hibbs JB Jr, et al. **Methods Enzymol** 1986;132:508–20

Parasiticidal activity of macrophages against schistosomes. James SL. **Methods Enzymol** 1986;132:649–58

Assays detecting the antibody-dependent and independent binding and cytolysis of tumor cells by murine macrophages. Johnson WJ, et al. **Methods Enzymol** 1986; 132:555–68

Activation of macrophages with oxidative enzymes. Lefkowitz DL, et al. **Methods Enzymol** 1986;132:537–48

Liposome encapsulation of muramyl peptides for activation of macrophage cytotoxic properties. Nayar R, et al. **Methods Enzymol** 1986;132:594–603

Parasiticidal activity of macrophages against Toxoplasma. Sharma SD, et al. **Methods Enzymol** 1986;132:626–37

Parasiticidal activity of macrophages against Plasmodium. Shear HL, et al. **Methods Enzymol** 1986;132:637–48

Muramyl dipeptide induced augmentation of the proliferative response of thymocytes to phytohemagglutinin. Aida Y, et al. **Microbiol Immunol** 1987;31(2):169–78

Functional defects of culture-grown bone marrow-derived macrophages from autoimmune MRL/MpJ-1pr/1pr mice. Nakanishi A, et al. **Microbiol Immunol** 1987;31(2):155–67

Stimulation of macrophages and antitumor activity of radiodetoxified endotoxin. Nerkar DP, et al. **Microbiol Immunol** 1986;30(9):893–901

Interleukin 1 production and accessory cell function of rat alveolar macrophages exposed to mineral dust particles. Oghiso Y, et al. **Microbiol Immunol** 1987;31(3):275–87

Heterogeneity in immunologic functions of rat alveolar macrophages--their accessory cell function and IL-1 production. Oghiso Y. **Microbiol Immunol** 1987; 31(3):247–60

Antigens associated with various cytotoxic activities of murine peripheral macrophages. Okutomi T, et al. **Microbiol Immunol** 1986;30(10):1037–47

Thioglycollate elicited macrophages demonstrate enhanced virus replication and depressed bacterial killing. Sich JJ, et al. **Microbiologica** 1987 Jul;10(3):247–56

Specificity of ganglioside binding to rat macrophages. Förster O, et al. **Mol Immunol** 1986 Nov;23(11):1267–73

Immunoglobulins of colostrum--VI. Comparative studies of cytophilic properties of bovine serum and colostral IgG. Gorczyca W, et al. **Mol Immunol** 1986 Sep;23(9):961–4

Cell cycle control of activated, synchronized murine B lymphocytes--roles of macrophages and complement C3. Melchers F, et al. **Mol Immunol** 1986 Nov;23(11):1173–6

Demonstration of the existence of two distinct Fc receptors for IgG isotypes on guinea-pig macrophages by the use of monoclonal antibodies. Shimamura T, et al. **Mol Immunol** 1987 Jan;24(1):67–74

In vivo determination of phagocytic indices and candidacidal activities of Candida species by rat peritoneal macrophages. Salim R, et al. **Mycopathologia** 1986 Jul;95(1):17–23

Studies on the role of macrophages in experimental candidosis in mice. Sinha BK, et al. **Mykosen** 1987 Mar; 30(3):105–12

A complementary DNA clone for a macrophage-lymphocyte Fc receptor [published erratum appears in Nature 1986 Dec 18–31;324(6098):702] Lewis VA, et al. **Nature** 1986 Nov 27–Dec 3;324(6095):372–5

The third component of complement (C3) is responsible for the intracellular survival of Leishmania major. Mosser DM, et al. **Nature** 1987 May 28–Jun 3;327(6120):329–31

Inhibition by monosaccharides of tumor associated macrophages mediated antibody dependent cell cytotoxicity to autologous tumor cells. Chattopadhyay U, et al. **Neoplasma** 1987;34(3):295–303

Suppressor resident peritoneal macrophages and peritonitis incidence in continuous ambulatory peritoneal dialysis. Lamperi S, et al. **Nephron** 1986;44(3):219–25

Quantitative and functional analysis of IgG Fc receptor molecules in polymorphonuclear leukocytes and monocyte macrophages in patients with essential mixed cryoglobulinaemia. Roccatello D, et al. **Nephron** 1987; 45(3):186–91

Antibody to myelin constituents: a possible factor in induction of cell-mediated demyelination. Smith ME, et al. **Neurochem Res** 1987 Feb;12(2):167–72

Heterogeneity in immunologic functions among canine alveolar macrophage subfractions. Oghiso Y, et al. **Nippon Juigaku Zasshi** 1986 Dec;48(6):1125–34

Antibody-dependent in-vitro cytotoxicity of newborn Trichinella spiralis larvae: nature of the cells involved. Gansmuller A, et al. **Parasite Immunol** 1987 May; 9(3):281–92

Effect of protective and non-protective antibodies in the phagocytosis rate of Trypanosoma cruzi blood forms by mouse peritoneal macrophages. Lages-Silva E, et al. **Parasite Immunol** 1987 Jan;9(1):21–30

Post lung-stage schistosomula of Schistosoma mansoni exhibit transient susceptibility to macrophage-mediated cytotoxicity in vitro that may relate to late phase killing in vivo. Pearce EJ, et al. **Parasite Immunol** 1986 Sep; 8(5):513–27

Accessory cells for the induction of suppressor T cells. Nakamura RM. **Pathol Immunopathol Res** 1986; 5(3–5):234–8

Induction of murine interleukin 1: stimuli and responsive primary cells. Koide S, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3802–6

Detection of a macrophage population in the thyroids of obese strain chickens using monoclonal antibodies. Dietert RR, et al. **Prog Clin Biol Res** 1987;238:109–23

Role of icosanoids in alveolar macrophage phagocytosis and aggregation. Sirois P, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2–3):185–90

Suppression of cytolytic T-lymphocyte responses through inactivation of non-T accessory cells. Degiovanni G. **Scand J Immunol** 1987 May;25(5):453–60

Phagocytosis of agarose beads by receptors for C3b (CR1) and iC3b (CR3) on human alveolar macrophages cultured on fibronectin in vitro. A scanning electron microscopic study. Johnson E, et al. **Scand J Immunol** 1986 Dec; 24(6):653–60

Interaction of a lymphokine with normal human macrophages results in release of a suppressor factor for mitogen-induced immunoglobulin synthesis. Warrington RJ. **Scand J Immunol** 1987 Apr;25(4):399–406

Expression of major histocompatibility complex antigens on macrophages: correlative study using flow cytometry, radioimmunoassay, and colloidal gold immunolabeling. Guagliardi LE, et al. **Scanning Microsc** 1987 Jun; 1(2):705–11

The basis for the immunoregulatory role of macrophages and other accessory cells. Unanue ER, et al. **Science** 1987 May 1;236(4801):551–7 (46 ref.)

Depressed antigen presentation function and membrane interleukin-1 activity of peritoneal macrophages after laparotomy. Stephan RN, et al. **Surgery** 1987 Aug; 102(2):147–54

The possible role of soil particles in the aetiology of non-filarial (endemic) elephantiasis: a macrophage cytotoxicity assay. Spooner NT, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):222–5

The expression of specific differentiation antigens on macrophages infiltrating rejecting renal allografts. Andreesen R, et al. **Transplant Proc** 1987 Apr;19(2):2885–8

The relationship of renal transplant survival to cellular and humoral responsiveness. MacSween JM, et al. **Transplant Proc** 1987 Aug;19(4):3419–21

In vivo macrophage-directed lymphocyte traffic requires macrophage activation. Migliori RJ, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):338–41

Bronchoalveolar macrophage-lymphocyte reactivity in heart-lung transplant recipients. Zeevi A, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2537–40

Macrophage spreading inhibition test as an alternate method for in vitro assessment of cell-mediated immunity against Entamoeba histolytica. Haq A, et al. **Trop Med Parasitol** 1986 Sep;37(3):248–50

A macrophage immunosuppression induced by Leishmania major in BALB/c mice. Al Mofleh IA. **Trop Med Parasitol** 1987 Jun;38(2):93–6

Phagocytosis and intracellular killing of Pasteurella multocida by porcine alveolar macrophages after infection with pseudorabies virus. Fuentes M, et al. **Vet Immunol Immunopathol** 1986 Sep;13(1–2):165–72

Absence of lymphokine-enhanced macrophage migration in vitro in the Australian brush-tailed opossum, Trichosurus vulpecula. Moriarty KM, et al. **Vet Immunol Immunopathol** 1986 Dec;13(4):365–70

Immunological activation of rainbow trout macrophages induced in vitro by sperm autoantibodies and factors derived from testis sensitised leucocytes. Secombes CJ. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):193–201

Monoclonal antibodies recognizing lipid-laden cells and extracellular regions with lipid-deposits in atherosclerotic aorta. Kimura J, et al. **Virchows Arch [A]** 1986; 410(2):159–64

Identification of fibronectins in peritoneal macrophages during the phagocytosis of Brucella. An immunocytochemical study by electron microscopy. Gay B, et al. **Virchows Arch [B]** 1986;52(2):169–76

A role for interleukin-1 in the pathogenesis of Lyme disease. Beck G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec;263(1–2):133–6

Mycobacterium marinum infection in gnotobiotic nu/nu mice pretreated with cyclophosphamide and silica. Burchard GD, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Jul; 261(4):411–6

Murine cutaneous leishmaniasis: comparative study on the capacity of macrophages from "healer" and "non-healer" mouse strains to control L. tropica replication. Streck H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Mar; 263(4):594–604

[Evaluation of local nonspecific resistance in chronic inflammatory gynecologic diseases] Kis'ova K, et al. **Akush Ginekol (Sofiia)** 1986;25(6):10–2 (Eng. Abstr.) **(Bul)**

[Modulation of macrophage-mediated cytotoxic activity. III. Effect of fusarin C on macrophage-mediated cytotoxic activity] Dong ZY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Dec; 8(6):440–4 (Eng. Abstr.) **(Chi)**

[Intercellular relations in the immunology of leprosy] Hoffenbach A. **Acta Leprol (Geneve)** 1986 Jul–Sep; (102):323–9 **(Fre)**

[Phagocytosis of a merozoite in a blood smear from a patient with Plasmodium vivax malaria] Le Fichoux Y, et al. **Bull Soc Pathol Exot Filiales** 1986;79(3):350–1 **(Fre)**

[In vitro tumoricidal activity of peritoneal macrophages and splenic lymphocytes of rats under diet with or without fish] Fady C, et al. **C R Soc Biol (Paris)** 1986;180(4):426–33 (Eng. Abstr.) **(Fre)**

[Effects of piperacillin on the immunologic functions of macrophages] Clot J. **Presse Med** 1986 Dec 20; 15(46):2368–70 (Eng. Abstr.) **(Fre)**

[Varying rates of phagocytosis of human blood monocytes and breast milk macrophages: effect of intralipid and milk fat globules] Schroten H, et al. **Monatsschr Kinderheilkd** 1987 Jan;135(1):36–40 (Eng. Abstr.) **(Ger)**

[Tumor-associated macrophage subpopulation and the prolific activity of malignant tumors--an immunohistochemical study of 109 breast carcinomas] Müller H, et al. **Verh Dtsch Ges Pathol** 1986;70:251–6 (Eng. Abstr.) **(Ger)**

[Studies of bronchoalveolar lavage fluid in exogenous allergic alveolitis] Müller S. **Z Erkr Atmungsorgane** 1987; 168(2):114–25 (Eng. Abstr.) **(Ger)**

[Determination of macrophage activity in bronchoalveolar lavage fluid in patients with lung diseases] Ochendalski M, et al. **Z Erkr Atmungsorgane** 1987;168(1):19–24 (Eng. Abstr.) **(Ger)**

[Effect against macrophages of purified SPA of S. enteritidis] Uchiya K, et al. **Kansensbogaku Zasshi** 1986 May; 60(5):485–94 (Eng. Abstr.) **(Jpn)**

[A monoclonal antibody, AMH-1, reactive with human alveolar macrophages] Chida K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Sep;24(9):951–8 (Eng. Abstr.) **(Jpn)**

[Granuloma formed as a biological response] Okabe T. **Nippon Rinsho** 1987 May;45(5):1136–43 (10 ref.) **(Jpn)**

[The effect of peripheral blood monocytes on cell-mediated immunity in pregnant women] Umesaki N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Mar; 39(3):387–94 (Eng. Abstr.) **(Jpn)**

[Effect of cAMP modifiers on the cytotoxic activity of macrophages] Neskoromnyi AG, et al. **Biokhimiia** 1987 Mar;52(3):484–92 (Eng. Abstr.) **(Rus)**

[Induction of chemiluminescence of peritoneal exudate macrophages after exposure to an electric field] Annaberdyeva EM, et al. **Biull Eksp Biol Med** 1987 Apr; 103(4):452–3 (Eng. Abstr.) **(Rus)**

[Macrophage participation in the polyclonal and specific response to T-independent antigen in vitro] Shanin SS, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):455–7 (Eng. Abstr.) **(Rus)**

[Changes in the antitumor resistance of hamsters after experimental removal of non-fixed macrophages] Vardosanidze ESh, et al. **Biull Eksp Biol Med** 1987 Apr; 103(4):460–2 (Eng. Abstr.) **(Rus)**

[The trigger function of cAMP in the suppression of macrophage cytolytic activity] Vasil'ev VIu, et al. **Dokl Akad Nauk SSSR** 1986;290(6):1506–9 **(Rus)**

[Effect of a delayed type hypersensitivity reaction on the cytotoxic activity of macrophages, natural and antibody-dependent killer cells] Gordienko SM. **Eksp Onkol** 1987;9(1):30–4 (Eng. Abstr.) **(Rus)**

[Comparative analysis of the sensitivity to natural killers and macrophages of 3-methylcholanthrene-induced tumors in mice] Viksler VKh, et al. **Eksp Onkol** 1986;8(6):36–40 (Eng. Abstr.) **(Rus)**

[The role of major histocompatibility complex genes in the

reaction of macrophages and thymocytes during induction of T-effectors of the graft vs host reaction. III. Effect of antisera against H-2 complex antigens on the realization of the process] Lutsan NI, et al. **Genetika** 1987 Mar; 23(3):449–55 (Eng. Abstr.) **(Rus)**

[Role of nonspecific immunologic stimulation with the products of macrophage destruction in the pathogenesis of silicosis] Privalova LI. **Gig Tr Prof Zabol** 1987 Feb; (2):22–6 (Eng. Abstr.) **(Rus)**

[Use of the macrophage migration inhibition test in a "skin window" in clinico-immunologic studies] Tsol IG. **Lab Delo** 1987;(7):539–42 (Eng. Abstr.) **(Rus)**

[Functional status of granulocyte-macrophage precursors in remissions of acute leukemia in children] Shershneva NS. **Pediatriia** 1987;(2):42–6 (Eng. Abstr.) **(Rus)**

[Immunological and morphological properties of in vitro transformed fibroblasts. III. Recognition by macrophages and activated lymphocytes of mouse and rat cells of various degrees of tumorigenicity] Lavrovskiĭ VA, et al. **Tsitologiia** 1987 May;29(5):589–95 (Eng. Abstr.) **(Rus)**

[Analysis of macrophage heterogeneity by their phagocytic activity] Shcherbukhin VV, et al. **Tsitologiia** 1986 Dec; 28(12):1299–306 (Eng. Abstr.) **(Rus)**

[Various mechanisms of the correlation between deficiency in the barrier function of the tonsils and systemic immunity in chronic tonsillitis] Filatov VF, et al. **Vestn Otorinolaringol** 1987 May-Jun;(3):61–3 (Eng. Abstr.) **(Rus)**

[Effect of cellular immunity on the interaction between the peritoneal cell and the ameba in vitro] Pérez-Tamayo R, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:259–67 (Eng. Abstr.) **(Spa)**

METABOLISM

Studies on human macrophage lipoprotein uptake: relation to atherosclerosis. Angelin B, et al. **Acta Med Scand [Suppl]** 1987;715:45–9

Effect of fibroblast interferon and recombinant gamma interferon on zymosan-induced nitroblue tetrazolium reduction in mouse peritoneal macrophages. von der Lippe E, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Oct;94(5):343–6

Lack of drug acetylation in human blood monocytes and macrophages in vitro. Mørland B, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Oct;59(4):334–6

Heĭmanský-Pudlák syndrome. Smecka Z, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;111:393–7

Inhibition of RNA synthesis in mouse macrophages and lymphocytes by benzene and its metabolites. Kalf GF, et al. **Adv Exp Med Biol** 1986;197:675–90

Activation of the superoxide forming NADPH oxidase in a macrophage-derived cell-free system by fatty acids and detergents. Bromberg Y, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1986; 16:153–63 (21 ref.)

Stimulatory effect of hr tumor necrosis factor on TxB2 release by polymorphonuclears and macrophages. Cifone MG, et al. **Agents Actions** 1986 Dec;19(5–6):349–50

A possible role for arachidonic acid metabolism in guinea pig tracheal beta-adrenergic receptor modulation by pulmonary macrophages. Engels F, et al. **Agents Actions** 1986 Dec;19(5–6):357–8

Beta-agonists can depress oxidative metabolism of alveolar macrophages. Henricks PA, et al. **Agents Actions** 1986 Dec; 19(5–6):353–4

Preliminary studies on the inflammatory stimulus induced proteins in mouse resident peritoneal macrophages. Lokesh BR, et al. **Agents Actions** 1987 Jun;21(1–2):145–8

The capacity of macrophages from different murine tissues to metabolise ethanol and generate an ethanol-dependent non-dialysable cytotoxic activity in vitro. Wickramasinghe SN, et al. **Alcohol Alcohol** 1987;22(1):31–9

Tumor necrosis factor production by human sarcoid alveolar macrophages. Bachwich PR, et al. **Am J Pathol** 1986 Dec; 125(3):421–5

Early atherogenesis in the White Carneau pigeon. III. Lipid accumulation in nascent foam cells. Jerome WG, et al. **Am J Pathol** 1987 Aug;128(2):253–64

Eicosanoid production by peritoneal and splenic macrophages in mice depleted of bone marrow by 89Sr [published erratum appears in Am J Pathol 1987 Jul;128(1):202] Shibata Y, et al. **Am J Pathol** 1987 Apr; 127(1):75–82

Glutamine metabolism in rat skeletal muscle wounded with lambda-carrageenan. Albina JE, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):E49–56

Measurement of superoxide release from single pulmonary alveolar macrophages. DiGregorio KA, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):C677–83

Water permeability of alveolar macrophages. Garrick RA, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):C524–8

Enhancement of human monocyte and peritoneal macrophage chemiluminescence activities in women with endometriosis. Zeller JM, et al. **Am J Reprod Immunol Microbiol** 1987 Mar;13(3):78–82

Assessment of bovine mammary gland macrophage oxidative burst activity in a chemiluminescence assay. Harmon BG, et al. **Am J Vet Res** 1987 Jan;48(1):119–25

Carbohydrate differences in HLA-DR molecules synthesized by alveolar macrophages and blood monocytes. Ferro TJ, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1340–4

Sialic acid mediates the initial binding of positively charged inorganic particles to alveolar macrophage membranes. Gallagher JE, et al. **Am Rev Respir Dis** 1987 Jun; 135(6):1345–52

Comparative oxidative microbicidal activity of human blood monocytes and alveolar macrophages and activation by recombinant gamma interferon. Kemmerich B, et al. **Am Rev Respir Dis** 1987 Aug;136(2):266–70

Receptor-mediated O2- release by alveolar macrophages and peripheral blood monocytes from smokers and nonsmokers. Priming and triggering effects of monomeric IgG, concanavalin A, N-formyl-methionyl-leucyl-phenylalanine, phorbol myristate acetate, and cytochalasin D. Nakashima H, et al. **Am Rev Respir Dis** 1987 Aug;136(2):310–5

Inhibition by methylprednisolone of zymosan-induced leukotriene synthesis in alveolar macrophages. Peters-Golden M, et al. **Am Rev Respir Dis** 1987 May; 135(5):1020–6

Complement component C5 is required for release of alveolar macrophage-derived neutrophil chemotactic activity. Robbins RA, et al. **Am Rev Respir Dis** 1987 Mar; 135(3):659–64

Chemiluminescence of lung macrophages and blood leukocytes in sarcoidosis [letter] Wallaert B, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1333–4

Macrophage ferritin and iron deposition in the rat air pouch model of inflammatory synovitis. Morris CJ, et al. **Ann Rheum Dis** 1987 Apr;46(4):334–8

Detoxifying activities in alveolar macrophages of rats treated with acetylcysteine, diethyl maleate and/or aroclor. De Flora S, et al. **Anticancer Res** 1986 Sep-Oct;6(5):1009–12

Influence of conversion of penicillin G into a basic derivative on its accumulation and subcellular localization in cultured macrophages. Renard C, et al. **Antimicrob Agents Chemother** 1987 Mar;31(3):410–6

Effect of blood transfusions on immune function. III. Alterations in macrophage arachidonic acid metabolism. Waymack JP, et al. **Arch Surg** 1987 Jan;122(1):56–60

Low density lipoprotein metabolism in human macrophages stimulated with microbial or microbial-related products. Lopes-Virella MF, et al. **Arteriosclerosis** 1987 Mar-Apr; 7(2):176–84

Modification of very low density lipoproteins leads to macrophage scavenger receptor uptake and cholesteryl ester deposition. Mazzone T, et al. **Arteriosclerosis** 1987 Mar-Apr;7(2):191–6

Macrophage oxidation of low density lipoprotein generates a modified form recognized by the scavenger receptor. Parthasarathy S, et al. **Arteriosclerosis** 1986 Sep-Oct; 6(5):505–10

Very low density lipoproteins stimulate cholesteryl ester formation in U937 macrophages. Heterogeneity and biologic variation among normal humans. Sacks FM, et al. **Arteriosclerosis** 1987 Jan-Feb;7(1):35–46

Relationship of plasma lipoproteins and the monocyte-macrophage system to atherosclerosis severity in cholesterol-fed pigeons. St. Clair RW, et al. **Arteriosclerosis** 1986 Nov-Dec;6(6):614–26

Accumulation of cholesteryl ester and lipid droplets in macrophages after uptake of cholesterol-rich necrotic products. Wong H, et al. **Arteriosclerosis** 1987 Mar-Apr; 7(2):185–90

Effect of plasma lipoproteins on cholesterol accumulation in macrophages: comparison of lipoproteins from normal and homozygous familial hypercholesterolemic subjects. Aviram M, et al. **Atherosclerosis** 1987 Jun;65(3):207–14

Enhanced degradation of low density lipoprotein in human monocyte-derived macrophages associated with an increase in its free fatty acid content. Hayashi H, et al. **Atherosclerosis** 1987 Jul;66(1–2):139–44

Non-saturable degradation of LDL by monocyte-derived macrophages leads to a reduction in HMG-CoA reductase activity with little synthesis of cholesteryl esters. Knight BL, et al. **Atherosclerosis** 1987 Apr;64(2–3):131–8

The effect of thermally oxidized soya bean oil on metabolism of chylomicrons. Increased uptake and degradation of oxidized chylomicrons in cultured mouse macrophages. Naruszewicz M, et al. **Atherosclerosis** 1987 Jul; 66(1–2):45–53

Preferential uptake of cholesteryl ester-HDL by cultured macrophages. Stein O, et al. **Atherosclerosis** 1987 May; 65(1–2):151–8

Probucol prevents lipid storage in macrophages. Yamamoto A, et al. **Atherosclerosis** 1986 Dec;62(3):209–17

The effect of proteoglycans, collagen and lysyl oxidase on the metabolism of low density lipoprotein by macrophages. Yla-Herttuala S, et al. **Atherosclerosis** 1986 Oct;62(1):73–80

Increased production of arachidonate metabolites by peritoneal cells of mice infected with Plasmodium vinckei vinckei. Clark IA, et al. **Aust J Exp Biol Med Sci** 1986 Oct;64 (Pt 5):415–8

Ultrastructural and cytophotometric studies of lectin binding by human pulmonary macrophages from asthmatic and normal subjects. Warton A, et al. **Aust J Exp Biol Med Sci** 1986 Oct;64 (Pt 5):419–34

Human alpha 1-acid glycoprotein-exposed macrophages release interleukin 1 inhibitory activity. Bories PN, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):710–5

Fluoride effects on 31P NMR spectra of macrophages. Ducrocq C, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):519–25

Hyaluronic acid is an endogenous inducer of interleukin-1 production by human monocytes and rabbit macrophages. Hiro D, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):715–22

Oversulfated chondroitin sulfate proteoglycan in cultured human peritoneal macrophages. Kolset SO. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):377–82

Assessment of phospholipid deacylation-reacylation cycles by a stable isotope technique. Kuwae T, et al. **Biochem Biophys Res Commun** 1987 Jan 15;142(1):86–91

Phospholipase C-diglyceride lipase is a major pathway for arachidonic acid release in macrophages. Moscat J, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):367–73

Conversion of leukotriene C4 to leukotriene D4 by a cell-surface enzyme of rat macrophages. Nagaoka I, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):282–7

Increased 13-hydroxyoctadecadienoic acid content in lipopolysaccharide stimulated macrophages. Schade UF, et al. **Biochem Biophys Res Commun** 1987 Sep 15; 147(2):695–700

Age-related differences in the induction of 2-5A synthetase and 2-5A dependent binding protein activities by interferon in guinea pig peritoneal macrophages. Wang CH, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):455–60

Phorbol diester synergistically stimulates agonist-induced lipoxygenase product formation in murine macrophages. Wey HE, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):861–7

Diacylglycerol induces deacylation of phosphatidylinositol and mobilization of arachidonic acid in mouse macrophages. Comparison with induction by phorbol diester. Emilsson A, et al. **Biochem J** 1986 Nov 1; 239(3):685–90

The development of cytochrome b-245 in maturing human macrophages. Garcia RC, et al. **Biochem J** 1986 Nov 1; 239(3):647–51

Effect of guanosine triphosphate on the release and uptake of Ca2+ in saponin-permeabilized macrophages and the skeletal-muscle sarcoplasmic reticulum. Hamachi T, et al. **Biochem J** 1987 Feb 15;242(1):253–60

The inhibition by diphenyleneiodonium and its analogues of superoxide generation by macrophages. Hancock JT, et al. **Biochem J** 1987 Feb 15;242(1):103–7

Arachidonic acid turnover in response to lipopolysaccharide and opsonized zymosan in human monocyte-derived macrophages. Leslie CC, et al. **Biochem J** 1986 May 15; 236(1):251–9

Zymosan-induced release of inositol phosphates at resting cytosolic Ca2+ concentrations in macrophages. Moscat J, et al. **Biochem J** 1987 Mar 1;242(2):441–5

Rates of utilization and fates of glucose, glutamine, pyruvate, fatty acids and ketone bodies by mouse macrophages. Newsholme P, et al. **Biochem J** 1987 Mar 15;242(3):631–6

Metabolism of glucose, glutamine, long-chain fatty acids and ketone bodies by murine macrophages. Newsholme P, et al. **Biochem J** 1986 Oct 1;239(1):121–5

Comparative study of the effect of beta-blockers with different pharmacological properties on cholesteryl ester formation in mouse peritoneal macrophages. Islam S, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):847–9

Cellular interactions of auranofin and a related gold complex with RAW 264.7 macrophages. Snyder RM, et al. **Biochem Pharmacol** 1987 Mar 1;36(5):647–54

Characterization of alpha 2-macroglobulin-plasmin complexes: complete subunit cleavage alters receptor recognition in vivo and in vitro. Roche PA, et al. **Biochemistry** 1987 Jan 27;26(2):486–91

Changes induced by PAF-acether in diacyl and ether phospholipids from guinea-pig alveolar macrophages. Bachelet M, et al. **Biochim Biophys Acta** 1986 Sep 12; 878(2):177–83

Preparation and characterisation of liposomes containing mannosylated phospholipids capable of targetting drugs to macrophages. Barratt G, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):153–64

Ethanol induces release of arachidonic acid but not synthesis of eicosanoids in mouse peritoneal macrophages. Diez E, et al. **Biochim Biophys Acta** 1987 Sep 4;921(1):82–9

A dual role for calcium in regulation of superoxide generation by stimulated rat alveolar macrophages. Dorio RJ, et al. **Biochim Biophys Acta** 1987 Apr 22;928(2):137–43

Macrophage eicosanoid formation is stimulated by platelet arachidonic acid and prostaglandin endoperoxide transfer. Smith EF 3d, et al. **Biochim Biophys Acta** 1987 Mar 19; 923(3):355–61

Increase in the formation of leukotriene B4 and other lipoxygenase products in peritoneal macrophages of adrenalectomized rats. Vincent JE, et al. **Biochim Biophys Acta** 1986 Dec 5;879(3):350–4

Gamma interferon and calcitriol formation by human macrophages [letter] Rook GA. **Bioessays** 1986 Jul;5(1):40

Interaction of rat peritoneal macrophages with homologous, sialidase-treated lymphocytes in vitro. Jibril SE, et al. **Biol Chem Hoppe Seyler** 1987 Jul;368(7):819–29

The galactose-recognizing system of rat peritoneal macrophages. Receptor-mediated binding and uptake of glycoproteins. Kelm S, et al. **Biol Chem Hoppe Seyler** 1986 Sep;367(9):989–98

Cholesterol esterification in mouse peritoneal macrophages in the presence of pathological human plasma lipoproteins. Rotheneder M, et al. **Biol Chem Hoppe Seyler** 1986 Dec; 367(12):1219–22

Factor XIII A is synthesized and expressed on the surface

of U937 cells and alveolar macrophages. Kradin RL, et al. **Blood** 1987 Mar;69(3):778–85
Characterization of factor XIII containing-macrophages in lymph nodes with Hodgkin's disease. Adány R, et al. **Br J Cancer** 1987 Apr;55(4):421–6
Ceroid accumulation by murine peritoneal macrophages exposed to artificial lipoproteins. Ball RY, et al. **Br J Exp Pathol** 1987 Jun;68(3):427–38
Production of a neutrophil chemotactic factor by endotoxin stimulated alveolar macrophages in vitro. Snella MC. **Br J Exp Pathol** 1986 Dec;67(6):801–7
Lactoferrin uptake and iron processing into macrophages: a study in familial haemochromatosis. Moguilevsky N, et al. **Br J Haematol** 1987 May;66(1):129–36
Inhibition of cholesteryl ester deposition in macrophages by calcium entry blockers: an effect dissociable from calcium entry blockade. Daugherty A, et al. **Br J Pharmacol** 1987 May;91(1):113–8
Role of macrophages in the pathogenesis of alcohol induced tissue damage. Wickramasinghe SN. **Br Med J [Clin Res]** 1987 May 2;294(6580):1137–9
Alveolar macrophage membrane phospholipid methylation in sarcoidosis and hypersensitivity pneumonitis. Pacheco Y, et al. **Bull Eur Physiopathol Respir** 1986 Nov-Dec; 22(6):565–72
Induction of prostaglandin production by hyperthermia in murine peritoneal exudate macrophages. Chen BD, et al. **Cancer Res** 1987 Jan 1;47(1):11–5
Enhanced release of hydrogen peroxide and metabolites of arachidonic acid by macrophages from SENCAR mice following stimulation with phorbol esters. Lewis JG, et al. **Cancer Res** 1986 Nov;46(11):5696–700
Nitrosation of amines by stimulated macrophages. Miwa M, et al. **Carcinogenesis** 1987 Jul;8(7):955–8
Involvement of common and cell type-specific pathways in c-fos gene control: stable induction of cAMP in macrophages. Bravo R, et al. **Cell** 1987 Jan 30;48(2):251–60
Phagocytosis and inflammatory stimuli induce GM-CSF mRNA in macrophages through posttranscriptional regulation. Thorens B, et al. **Cell** 1987 Feb 27;48(4):671–9
Interleukin 1 and prostaglandin production by cells of the mononuclear phagocyte system isolated from mycobacterial granulomas. Montreewasuwat N, et al. **Cell Immunol** 1987 Jan;104(1):12–23
The regulation of tissue eosinophilia. V. Induction of lymphocyte-derived eosinophil chemotactic inhibitory factor production by a macrophage product from complete Freund's adjuvant-treated guinea pigs. Tashiro K, et al. **Cell Immunol** 1987 Jan;104(1):1–11
The cell-interactive properties of glucosylated very-low-density and low-density lipoproteins. Turk Z, et al. **Cell Mol Biol** 1987;33(3):345–54
The production of factors regulating the proliferation of haemopoietic spleen colony-forming cells by bone marrow macrophages. Wright EG, et al. **Cell Tissue Kinet** 1987 Mar;20(2):191–203
Changes in oxidative burst capacity during murine malaria and the effect of vaccination. Dockrell HM, et al. **Clin Exp Immunol** 1986 Oct;66(1):37–43
Arachidonic acid metabolism is altered in sarcoid alveolar macrophages. Bachwich PR, et al. **Clin Immunol Immunopathol** 1987 Jan;42(1):27–37
Superoxide generation by pig alveolar macrophages. Zeidler RB, et al. **Comp Biochem Physiol [B]** 1986;85(1):101–4
Identification in chicken macrophages of a set of proteins related to, but distinct from, the chicken cellular c-ets-encoded protein p54c-ets. Ghysdael J, et al. **EMBO J** 1986 Sep;5(9):2251–6
Alteration of lipid metabolism associated with the activation of mouse alveolar macrophages induced by 1 alpha, 25-dihydroxyvitamin D3. Miyaura C, et al. **Endocrinology** 1987 May;120(5):1813–20
Cytoplasmic gels from macrophages. Evidence for the involvement of four proteins in the calcium-dependent solation of actin networks. Pacaud M, et al. **Eur J Biochem** 1987 May 15;165(1):139–45
The macrophage-attachment glycoprotein gp63 is the predominant C3-acceptor site on Leishmania mexicana promastigotes. Russell DG. **Eur J Biochem** 1987 Apr 1; 164(1):213–21
Cell surface distribution and intracellular fate of human beta-very low density lipoprotein in cultured peritoneal mouse macrophages: a cytochemical and immunocytochemical study. Robenek H, et al. **Eur J Cell Biol** 1987 Feb;43(1):110–20
Uptake and activity of rifapentine in human peritoneal macrophages and polymorphonuclear leukocytes. Pascual A, et al. **Eur J Clin Microbiol** 1987 Apr;6(2):152–7
Ferritin synthesis by monocyte-derived macrophages in thalassemic patients with intrinsic iron overload. Saab GA, et al. **Eur J Haematol** 1987 Feb;38(2):105–10
Soluble immune complex triggering of a respiratory burst in macrophages: the role of complex aggregation at the phagocyte surface. Vieweg R, et al. **Eur J Immunol** 1987 Jan;17(1):149–51
The release of a neutrophil chemotactic factor from peritoneal macrophages by endotoxin: inhibition by glucocorticoids. Cunha FQ, et al. **Eur J Pharmacol** 1986 Sep 23;129(1-2):65–76
Antipyretic analgesics inhibit prostaglandin release from astrocytes and macrophages similarly. Lanz R, et al. **Eur J Pharmacol** 1986 Oct 14;130(1-2):105–9
Chemical mediators of anaphylaxis released by alveolar macrophages in bronchial asthma. Michel FB, et al. **Eur J Respir Dis [Suppl]** 1986;146:189–94
Glucocerebrosidase deficiency and lysosomal storage of glucocerebroside induced in cultured macrophages. Das PK, et al. **Exp Cell Res** 1987 Feb;168(2):463–74
Endogenous pyrogen/interleukin-1 production in aged rats. Kauffman CA. **Exp Gerontol** 1986;21(2):75–8
Uptake by mouse peritoneal macrophages of large cholesteryl ester-rich particles isolated from human atherosclerotic lesions. Hoff HF, et al. **Exp Mol Pathol** 1987 Jun; 46(3):331–44
Leishmania mexicana: uptake of sodium stibogluconate (Pentostam) and pentamidine by parasite and macrophages. Berman JD, et al. **Exp Parasitol** 1987 Aug;64(1):127–31
Peritonitis induces the synthesis of 1 alpha,25-dihydroxyvitamin D3 in macrophages from CAPD patients. Hayes ME, et al. **FEBS Lett** 1987 Aug 17;220(2):307–10
Control of cytoplasmic pH by Na+/H+ exchange in rat peritoneal macrophages activated with phorbol ester. Rotstein OD, et al. **FEBS Lett** 1987 May 11;215(2):223–7
Dissolution of two arsenic compounds by rabbit alveolar macrophages in vitro. Marafante E, et al. **Fundam Appl Toxicol** 1987 Apr;8(3):382–8
Parallelism between superoxide production of peritoneal exudate cells and lung granulomatous response in mice vaccinated with BCG cell walls. Kimura T, et al. **Immunobiology** 1986 Oct;173(1):12–22
Inhibition of superoxide anion production from activated phagocytes by antiinflammatory drugs. Rao AB, et al. **Indian J Exp Biol** 1986 Oct;24(10):644–6
Dephosphorylation of the lipid A moiety of Escherichia coli lipopolysaccharide by mouse macrophages. Peterson AA, et al. **Infect Immun** 1987 Apr;55(4):974–8
Effect of gamma interferon on hydrogen peroxide production by cultured mouse peritoneal macrophages. Sharp AK, et al. **Infect Immun** 1986 Nov;54(2):597–9
Increased release of hydrogen peroxide (H_2O_2) and superoxide anion (O_2^-) by murine macrophages in vitro after cis-platin treatment. Sodhi A, et al. **Int J Immunopharmacol** 1986;8(7):709–14
Macrophage-mediated acute-phase transport protein production induced by lentinan. Suga T, et al. **Int J Immunopharmacol** 1986;8(7):691–9
Adhesion and phagocytosis of Staphylococcus aureus L-forms. Schmitt-Slomska J, et al. **J Basic Microbiol** 1986; 26(7):429–40
Lipoprotein lipase in mouse peritoneal macrophages: the effects of insulin and dexamethasone. Kawakami M, et al. **J Biochem (Tokyo)** 1986 Nov;100(5):1373–8
Hemolysis of sheep erythrocytes with the cell membrane of liquid paraffin-induced guinea pig macrophages. Moriya Y, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):521–9
Rapid inactivation of tumor killing factor in vitro. Nakai M, et al. **J Biochem (Tokyo)** 1987 Feb;101(2):303–9
Degradation and regurgitation of extracellular proteins by cultured mouse peritoneal macrophages and baby hamster kidney fibroblasts. Kinetic evidence that the transfer of proteins to lysosomes is not irreversible. Buktenica S, et al. **J Biol Chem** 1987 Jul 15;262(20):9469–76
Effect of subunit size and conformation on the rate of lysosomal degradation of extracellular proteins in cultured mouse peritoneal macrophages. Buktenica S, et al. **J Biol Chem** 1987 Aug 25;262(24):11611–5
Transport of beta-very low density lipoproteins and chylomicron remnants by macrophages is mediated by the low density lipoprotein receptor pathway. Ellsworth JL, et al. **J Biol Chem** 1987 Feb 15;262(5):2316–25
Metabolic and functional alterations in macrophages induced by essential fatty acid deficiency. Lefkowith JB, et al. **J Biol Chem** 1987 May 15;262(14):6668–75
Interaction of high density lipoprotein with its receptor on cultured fibroblasts and macrophages. Evidence for reversible binding at the cell surface without internalization. Oram JF, et al. **J Biol Chem** 1987 Feb 15; 262(5):2405–10
Synthesis in vitro of 1,25-dihydroxyvitamin D3 and 24,25-dihydroxyvitamin D3 by interferon-gamma-stimulated normal human bone marrow and alveolar macrophages. Reichel H, et al. **J Biol Chem** 1987 Aug 15;262(23):10931–7
ATP4- permeabilizes the plasma membrane of mouse macrophages to fluorescent dyes. Steinberg TH, et al. **J Biol Chem** 1987 Jun 25;262(18):8884–8
Extracellular ATP4- promotes cation fluxes in the J774 mouse macrophage cell line. Steinberg TH, et al. **J Biol Chem** 1987 Mar 5;262(7):3118–22
Transacylation of lyso platelet-activating factor and other lysophospholipids by macrophage microsomes. Distinct donor and acceptor selectivities. Sugiura T, et al. **J Biol Chem** 1987 Jan 25;262(3):1199–205
Intracellular modifications of human apolipoprotein E. Zannis VI, et al. **J Biol Chem** 1986 Oct 15;261(29):13415–21
Stimulation of arachidonic acid metabolism in rat peritoneal macrophages by thapsigargin, a non-(12-O-tetradecanoylphorbol-13-acetate) (TPA)-type tumor promoter. Ohuchi K, et al. **J Cancer Res Clin Oncol** 1987;113(4):319–24
Solubilization and assay of a colony-stimulating factor receptor from murine macrophages. Yeung YG, et al. **J Cell Biochem** 1986;31(4):259–69
Differential and sequential delivery of fluorescent lysosomal probes into phagosomes in mouse peritoneal macrophages. Wang YL, et al. **J Cell Biol** 1987 Jun;104(6):1749–54
Colony-stimulating factor-1 induces thromboplastin activity in murine macrophages and human monocytes. Lyberg T, et al. **J Cell Physiol** 1987 Aug;132(2):367–70
Evidence for the recycling nature of the fibronectin receptor of macrophages. Molnar J, et al. **J Cell Physiol** 1987 Jun; 131(3):374–83
Stimulation of beta-adrenoceptors inhibits calcium-dependent potassium-channels in mouse macrophages. Rosati C, et al. **J Cell Physiol** 1986 Dec; 129(3):310–4
25-Hydroxyvitamin D3 metabolism by lipopolysaccharide-stimulated normal human macrophages. Reichel H, et al. **J Clin Endocrinol Metab** 1987 Jan;64(1):1–9
New mechanism for foam cell generation in atherosclerotic lesions. Curtiss LK, et al. **J Clin Invest** 1987 Aug; 80(2):367–73
Hydrogen peroxide release by alveolar macrophages from sarcoid patients and by alveolar macrophages from normals after exposure to recombinant interferons alpha A, beta, and gamma and 1,25-dihydroxyvitamin D3. Fels AO, et al. **J Clin Invest** 1987 Aug;80(2):381–6
Thrombospondin binds to monocytes-macrophages and mediates platelet-monocyte adhesion. Silverstein RL, et al. **J Clin Invest** 1987 Mar;79(3):867–74
Phospholipid liposomes acquire apolipoprotein E in atherogenic plasma and block cholesterol loading of cultured macrophages. Williams KJ, et al. **J Clin Invest** 1987 May;79(5):1466–72
Regulation of lung fibroblast proliferation and collagen synthesis by alveolar macrophages in experimental silicosis. I: Effect of macrophage conditioned medium from silica instilled rats. Benson SC, et al. **J Environ Pathol Toxicol Oncol** 1986 Sep-Dec;7(1-2):87–97
Effect of gamma interferon on cachectin expression by mononuclear phagocytes. Reversal of the lpsd (endotoxin resistance) phenotype. Beutler B, et al. **J Exp Med** 1986 Nov 1;164(5):1791–6
Properties and distribution of a lectin-like hemagglutinin differentially expressed by murine stromal tissue macrophages. Crocker PR, et al. **J Exp Med** 1986 Dec 1;164(6):1862–75
Assembly of the prothrombin activator complex on rabbit alveolar macrophage high-affinity factor Xa receptors. A kinetic study. McGee MP, et al. **J Exp Med** 1986 Dec 1;164(6):1902–14
Macrophage deactivation. Altered kinetic properties of superoxide-producing enzyme after exposure to tumor cell-conditioned medium. Tsunawaki S, et al. **J Exp Med** 1986 Oct 1;164(4):1319–31
Induction of cystine transport activity in mouse peritoneal macrophages. Watanabe H, et al. **J Exp Med** 1987 Mar 1;165(3):628–40
Plasminogen activator-specific inhibitors produced by human monocytes/macrophages. Wohlwend A, et al. **J Exp Med** 1987 Feb 1;165(2):320–39
Adhesion-promoting receptors on human macrophages recognize Escherichia coli by binding to lipopolysaccharide. Wright SD, et al. **J Exp Med** 1986 Dec 1;164(6):1876–88
Stimuli-induced superoxide radical generation in vitro by human alveolar macrophages from smokers: modulation by N-acetylcysteine treatment in vivo. Bergstrand H, et al. **J Free Radic Biol Med** 1986;2(2):119–27
Progressive loss of the macrophage respiratory burst in oxygen toxicity. Harrison G, et al. **J Free Radic Biol Med** 1986;2(2):129–34
Genetic regulation of lipopolysaccharide-induced interleukin 1 production by murine peritoneal macrophages. Brandwein SR, et al. **J Immunol** 1987 Jun 15;138(12):4263–9
A fish oil diet retards experimental amyloidosis, modulates lymphocyte function, and decreases macrophage arachidonate metabolism in mice. Cathcart ES, et al. **J Immunol** 1987 Sep 15;139(6):1850–4
Internalization and degradation of receptor-bound interferon-gamma by murine macrophages. Demonstration of receptor recycling. Celada A, et al. **J Immunol** 1987 Jul 1;139(1):147–53
Regulation of arachidonic acid metabolism in resident and BCG-activated alveolar macrophages: role of lyso(bis)phosphatidic acid. Cochran FR, et al. **J Immunol** 1987 Mar 15;138(6):1877–83
Expression of a 120,000 dalton protein during tumoricidal activation in murine peritoneal macrophages. Johnston PA, et al. **J Immunol** 1987 Apr 15;138(8):2739–44
Gender differences in eicosanoid production from macrophages of arthritis-susceptible mice. Leslie CA, et al. **J Immunol** 1987 Jan 15;138(2):413–6
Down-regulation of interleukin 1 production by macrophages of sarcoma-bearing mice. Moldawer LL, et al. **J Immunol** 1987 Jun 15;138(12):4270–4
The production of tumor necrosis factor by mouse bone marrow-derived macrophages in response to bacterial lipopolysaccharide and a chemically synthesized monosaccharide precursor. Sayers TJ, et al. **J Immunol** 1987 May 1;138(9):2935–40
Desensitization of macrophage oxygen metabolism on immobilized ligands: different effect of immunoglobulin G and complement. Valletta EA, et al. **J Immunol** 1987 Jun

15;138(12):4366–73
T cell induction of membrane IL 1 on macrophages. Weaver CT, et al. **J Immunol** 1986 Dec 15;137(12):3868–73
Ganglioside expression in macrophages from endotoxin responder and nonresponder mice. Yohe HC, et al. **J Immunol** 1986 Dec 15;137(12):3921–7
Estimation of variability in the assay of human interleukin-1. Enk C, et al. **J Immunol Methods** 1986 Sep 27;92(2):201–9
Re.: Invalidation of Lowry protein estimations and macrophage [3H]deoxyglucose uptake by plastic tubes and airflow [letter] Philp JR, et al. **J Immunol Methods** 1987 Apr 16;98(2):285–6
Adenosine receptors on rabbit alveolar macrophages: binding characteristics and effects on cellular function. Hasday JD, et al. **J Lab Clin Med** 1987 Sep;110(3):264–73
Iron binding, internalization, and fate in human alveolar macrophages. McGowan SE, et al. **J Lab Clin Med** 1986 Dec;108(6):587–95
Zymosan-stimulated production of phosphatidic acid by macrophages: relationship to release of superoxide anion and inhibition by agents that increase intracellular cyclic AMP. Channon JY, et al. **J Leukocyte Biol** 1987 May; 41(5):450–3
Differential prostaglandin production by unfractionated and density-fractionated human monocytes and alveolar macrophages. Elias JA, et al. **J Leukocyte Biol** 1987 Aug; 42(2):114–21
Defective production of reactive oxygen intermediates by tumor-associated macrophages exposed to phorbol ester. Ghezzi P, et al. **J Leukocyte Biol** 1987 Jul;42(1):84–90
Complement component C3 secretion by mouse macrophage-like cell lines. Goodrum KJ. **J Leukocyte Biol** 1987 Apr;41(4):295–301
Cells of the human myelomonocytic line RC-2A synthesize tissue factor-like procoagulant and urokinase-type plasminogen activator. Karhumäki E, et al. **J Leukocyte Biol** 1987 Jul;42(1):36–42
Regulation of macrophage-derived fibroblast growth factor release by arachidonate metabolites. Phan SH, et al. **J Leukocyte Biol** 1987 Aug;42(2):106–13
Differential protein synthesis by murine peritoneal macrophages elicited by various stimuli. Tannenbaum CS, et al. **J Leukocyte Biol** 1987 Jun;41(6):527–38
Relationship of ability of phospholipids to stimulate growth and bind to macrophages. Yui S, et al. **J Leukocyte Biol** 1987 May;41(5):392–9
Apoprotein E mediates the interaction of beta-VLDL with macrophages. Bates SR, et al. **J Lipid Res** 1987 Jul; 28(7):787–97
Evidence that chylomicron remnants and beta-VLDL are transported by the same receptor pathway in J774 murine macrophage-derived cells [published erratum appears in J Lipid Res 1987 Jan;28(1):118] Ellsworth JL, et al. **J Lipid Res** 1986 Oct;27(10):1062–72
A low density lipoprotein-sized particle isolated from human atherosclerotic lesions is internalized by macrophages via a non-scavenger-receptor mechanism. Morton RE, et al. **J Lipid Res** 1986 Nov;27(11):1124–34
Interaction of Tangier lipoproteins with cholesteryl ester-laden mouse peritoneal macrophages. Schmitz G, et al. **J Lipid Res** 1987 Jan;28(1):87–99
Peritoneal macrophages from mice fed dietary (n-3) polyunsaturated fatty acids secrete low levels of prostaglandins. Lokesh BR, et al. **J Nutr** 1986 Dec; 116(12):2547–52
Dual effects of Haemophilus influenzae on guinea pig tracheal beta-adrenergic receptor function: involvement of oxygen-centered radicals from pulmonary macrophages. Engels F, et al. **J Pharmacol Exp Ther** 1987 Jun; 241(3):994–9
Glutathione biosynthesis from sulfur-containing amino acids in enriched populations of Clara and type II cells and macrophages freshly isolated from rabbit lung. Horton JK, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):376–80
Alveolar macrophage gold retention in rheumatoid arthritis. Garcia JG, et al. **J Rheumatol** 1987 Jun;14(3):435–8
Metabolism of testosterone to 17 beta-hydroxy-5 alpha-androstane-3-one and 5 alpha-androstane-3 alpha, 17 beta-diol in alveolar macrophages from rat lung—II. Effects of intratracheal instillation of 3.4 mumol K2Cr2O7. Lofthus R, et al. **J Steroid Biochem** 1986 Oct;25(4):541–6
The relationship of purine metabolism to the macrophage-mediated increase of high energy phosphates in skeletal muscle. Morris AS, et al. **J Surg Res** 1986 Oct; 41(4):339–46
DNA synthesis in pulmonary alveolar macrophages and type II cells: effects of ozone exposure and treatment with alpha-difluoromethylornithine. Wright ES, et al. **J Toxicol Environ Health** 1987;21(1–2):15–26
Augmentation by priming with interferon-gamma of the binding of a muramyl dipeptide derivative to macrophages resulting in synergistic macrophage activation. Nagao S, et al. **Jpn J Cancer Res** 1987 Jan;78(1):80–6
Suppression or enhancement by superoxide dismutase of tumor cell killing by macrophages of normal donors and breast cancer patients. Cameron DJ. **Jpn J Exp Med** 1986 Aug;56(4):135–40
Macrophage cell line, J774, producing a tumor necrosis factor. Sakurai A, et al. **Jpn J Exp Med** 1986 Oct; 56(5):195–9
Production of colony-stimulating factor by sarcoid granulomas in vitro. Okabe T, et al. **Jpn J Med** 1987 Feb; 26(1):36–40
Inhibitory effect of N-(3,4-dimethoxycinnamoyl)anthranilic acid on release of SRS from alveolar macrophages in vitro. Yasuoka S, et al. **Jpn J Pharmacol** 1986 Sep;42(1):35–41
Comparative O2-. responses of lung macrophages and blood phagocytic cells in the rat. Possible relevance to IgA immune complex induced lung injury. Warren JS, et al. **Lab Invest** 1987 Sep;57(3):311–20
Cytotoxic protein molecules generated as a consequence of ethanol metabolism in vitro and in vivo. Wickramasinghe SN, et al. **Lancet** 1986 Oct 11;2(8511):823–6
Human macrophages degrade tryptophan upon induction by interferon-gamma. Werner ER, et al. **Life Sci** 1987 Jul 20; 41(3):273–80
Transfer of arachidonate from phosphatidylcholine to phosphatidylethanolamine and triacylglycerol in guinea pig alveolar macrophages. Nijssen JG, et al. **Lipids** 1986 Oct; 21(10):623–8
Monokine mediated release of intracellular iron in tumor target cells in vitro. Klostergaard J. **Lymphokine Res** 1987 Winter;6(1):19–28
Measurement of a receptor for (2'-5')-oligoadenylate(trimer) on macrophages. Liu XY, et al. **Methods Enzymol** 1986; 119:351–6
Immunoassay and immunopurification of macrophage calmodulin-binding protein. Orlow SJ, et al. **Methods Enzymol** 1987;139:148–56
Effects of disodium ethane-1-hydroxy-1,1-diphosphonate (EHDP) on interleukin 1 production by macrophages. Aida Y, et al. **Microbiol Immunol** 1986;30(11):1199–206
Enhanced interleukin 1 production by alveolar macrophages and increase in Ia-positive lung cells in silica-exposed rats. Oghiso Y, et al. **Microbiol Immunol** 1986;30(11):1189–98
Comparison of wheat germ agglutinin- and phorbol myristate acetate-mediated triggering for macrophage H2O2 release: susceptibilities to various macrophage inhibitors. Tomioka H, et al. **Microbiol Immunol** 1987;31(3):211–21
Down-regulation of insulin receptors in Propionibacterium acnes-activated macrophages in the mouse. Bautista AP, et al. **Mol Cell Endocrinol** 1987 Mar;50(1–2):59–68
Cell and species differences in metabolic activation of chemical carcinogens. Hsu IC, et al. **Mutat Res** 1987 Mar; 177(1):1–7
Macrophage regulation of vitamin D3 metabolites [letter] Rook GA, et al. **Nature** 1987 Mar 5–11;326(6108):21–2
Macrophages in the peripheral nervous system and astroglia in the central nervous system of rat commonly express apolipoprotein E during development but differ in their response to injury. Stoll G, et al. **Neurosci Lett** 1986 Dec 23;72(3):233–8
Lysozyme gene activity in chicken macrophages is controlled by positive and negative regulatory elements. Steiner C, et al. **Nucleic Acids Res** 1987 May 26;15(10):4163–78
Production of PAF-acether and leukotrienes by cultured mouse macrophages. Haye-Legrand I, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:239–42
Macrophages specifically regulate the concentration of their own growth factor in the circulation. Bartocci A, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6179–83
Stimulation of mast cells leads to cholesterol accumulation in macrophages in vitro by a mast cell granule-mediated uptake of low density lipoprotein. Kokkonen JO, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2287–91
Development of the smooth muscle foam cell: uptake of macrophage lipid inclusions. Wolfbauer G, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7760–4
In vitro enhanced thromboxane B2 release by polymorphonuclear leukocytes and macrophages after treatment with human recombinant interleukin 1. Conti P, et al. **Prostaglandins** 1986 Jul;32(1):111–5
The effect of ethanol on arachidonic acid metabolism in the murine peritoneal macrophage. Fradin A, et al. **Prostaglandins** 1987 Apr;33(4):579–89
Opposite effects of adrenalectomy on eicosanoid release in rat peritoneal macrophages and spleen. Vincent JE, et al. **Prostaglandins** 1986 Jul;32(1):132–6
The effect of diphenylamine derivatives on arachidonic acid metabolism in rat peritoneal macrophages. Ohuchi K, et al. **Prostaglandins Leukotrienes Med** 1987 Jun;28(1):15–23
Formation of leukotriene B4, 20-hydroxy leukotriene B4 and other arachidonic acid metabolites by macrophages during peritonitis in patients with continuous ambulatory peritoneal dialysis. Zijlstra FJ, et al. **Prostaglandins Leukotrienes Med** 1987 May;27(2-3):151–60
Experimental gram-negative peritonitis: decreased thromboplastin activity in organs with a simultaneous rise of thromboplastin in blood monocytes and peritoneal macrophages. Almdahl SM, et al. **Res Exp Med (Berl)** 1986; 186(5):317–24
Binding of alpha-2-macroglobulin trypsin complex to human monocytes in culture. Munck Petersen C, et al. **Scand J Clin Lab Invest** 1987 Feb;47(1):55–61
Human alveolar macrophages synthesize the functional alternative pathway of complement and active C5 and C9 in vitro. Hetland G, et al. **Scand J Immunol** 1986 Nov; 24(5):603–8
Human alveolar macrophages synthesize active complement components C6, C7, and C8 in vitro. Pettersen HB, et al. **Scand J Immunol** 1987 Jun;25(6):567–70
The pathways of biosynthesis for prostaglandins by the stimulus triggered macrophage. Bonney RJ, et al. **Scand J Rheumatol [Suppl]** 1981;40:53–7
The cellular and molecular pharmacology of auranofin and related gold complexes. Crooke ST, et al. **Scand J Rheumatol [Suppl]** 1986;63:1–18
The role of fibronectin fragments and cell-attached transamidase on the binding of soluble fibrin to macrophages. Hörmann H, et al. **Thromb Res** 1987 Apr 1;46(1):39–50
Lymphocyte collaboration is not required for the induction of murine macrophage procoagulant by endotoxin. Shands JW Jr. **Thromb Res** 1987 Apr 15;46(2):271–9
Formation and accumulation of O6-ethylguanine in DNA of enriched populations of Clara cells, alveolar type II cells, and macrophages of hamsters exposed to diethylnitrosamine. Fong AT, et al. **Toxicology** 1987 Mar; 43(3):289–99
Acetylated low-density lipoprotein is endocytosed through coated pits by rat peritoneal macrophages. Fukuda S, et al. **Virchows Arch [B]** 1986;52(1):1–13
[Macrophages and foam cells] Liu CR. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Jun;15(2):147–50 (14 ref.) **(Chi)**
[Methylation of membrane phospholipids of alveolar macrophages in pulmonary sarcoidosis and diffuse interstitial pulmonary fibrosis] Pacheco Y, et al. **Pathol Biol (Paris)** 1986 Dec;34(10):1067–73 (Eng. Abstr.) **(Fre)**
[The effect of benzydamine on prostaglandin synthesis in macrophages] Goppelt-Strübe M, et al. **Arzneimittelforschung** 1987 May;37(5A):621–3 (Eng. Abstr.) **(Ger)**
[Thin layer chromatographic analysis of the lipoid content of smokers' cells] Reiter C. **Beitr Gerichtl Med** 1986; 44:579–603 (Eng. Abstr.) **(Ger)**
[The differential cell counts of bronchoalveolar lavage fluid and interleukin 1 production by alveolar macrophages in patients with collagen-vascular diseases complicated with interstitial pneumonia] Sekimoto S, et al. **Arerugi** 1986 Sep; 35(9):968–74 (Eng. Abstr.) **(Jpn)**
[Iron release from rat peritoneal macrophages erythrophagocytosed in vitro and in vivo] Nishisato T, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Aug;49(5):1001–12 (Eng. Abstr.) **(Jpn)**
[Inflammation and production of monokines. Origin of interleukin 1] Ishida Y, et al. **Nippon Rinsho** 1987 May; 45(5):954–60 (28 ref.) **(Jpn)**
[Cholesterol metabolism in macrophages or macrophage-derived cells] Horiuchi S. **Seikagaku** 1987 Apr;59(4):230–3 (21 ref.) **(Jpn)**
[Cellular lipoprotein receptors in atherogenesis. II. Receptors for modified lipoproteins in macrophages] Konarska R, et al. **Przegl Lek** 1986;43(11):713–7 **(Pol)**
[Study of alveolar macrophages stimulated with zymosan in vivo using fluorescent probes] Shishkina LN, et al. **Biull Eksp Biol Med** 1986 Sep;102(9):319–21 (Eng. Abstr.) **(Rus)**
[Reactivation of DNA synthesis in macrophage heterokaryons and cells transformed with ts-mutant virus SV40 is temperature-dependent] Gumeniuk RR, et al. **Dokl Akad Nauk SSSR** 1986 Nov-Dec;291(1):221–4 **(Rus)**
[Relation between the cytotoxic effect of silicosogenic dusts and intensified lipid peroxidation in macrophages] Kislitsina NS. **Gig Tr Prof Zabol** 1986 Sep;(9):12–6 (Eng. Abstr.) **(Rus)**
[Molecular mechanism of the biological activity of asbestos] Velichkovskii BT, et al. **Gig Tr Prof Zabol** 1986 Sep;(9):5–9 (Eng. Abstr.) **(Rus)**
[The type of interaction of macrophages with serum low-density lipoproteins partially hydrolyzed by pepsin] Kovaleva GG, et al. **Vopr Med Khim** 1987 Mar-Apr; 33(2):83–6 (Eng. Abstr.) **(Rus)**
[Cytochemical study of alveolar macrophages] Radak Dj, et al. **Srp Arh Celok Lek** 1986 Jul;114(7):621–9 (Eng. Abstr.) **(Scc)**
[Vitamin D and the function of macrophages (letter)] Riancho JA, et al. **Med Clin (Barc)** 1987 May 30;89(1):39 **(Spa)**

MICROBIOLOGY

The calcium dependence region of the 47 megadalton plasmid of Yersinia pestis is required for growth within macrophages. Salamah AA, et al. **Acta Microbiol Hung** 1986;33(3):213–9
Virus-like particles in cultured C3H/St mouse cells treated with a carcinogenic polycyclic hydrocarbon. Iseki E, et al. **Acta Pathol Jpn** 1986 Jun;36(6):805–13
Electron microscopic analysis of in vitro interaction of Rickettsia prowazekii with guinea pig macrophages. I. Macrophages from nonimmune animals. Popov VL, et al. **Acta Virol (Praha)** 1987 Jan;31(1):53–8
Electron microscopic analysis of in vitro interaction of Rickettsia prowazekii with guinea pig macrophages. II. Macrophages from immune animals. Popov VL, et al. **Acta Virol (Praha)** 1987 Jan;31(1):59–64
Quantitative immunocytofluorographic analysis of CD4 surface antigen expression and HIV infection of human peripheral blood monocyte/macrophages. Crowe S, et al. **AIDS Res Hum Retroviruses** 1987 Summer;3(2):135–45
Importance of the medullary macrophage in the replication of lymphoid leukosis virus in the bursa of Fabricius of chickens. Gilka F, et al. **Am J Vet Res** 1987 Apr; 48(4):613–20

Growth inhibition of Blastomyces dermatitidis in alveolar and peripheral macrophages from patients with blastomycosis. Bradsher RW, et al. **Am Rev Respir Dis** 1987 Feb;135(2):412–7

Inhibition by pyrazinamide of tubercle bacilli within cultured human macrophages. Crowle AJ, et al. **Am Rev Respir Dis** 1986 Nov;134(5):1052–5

Effect of rifabutin on the phagocytosis and intracellular growth of Mycobacterium intracellulare in mouse resident and activated peritoneal and alveolar macrophages. Perumal VK, et al. **Am Rev Respir Dis** 1987 Aug; 136(2):334–7

Effect of liposome-entrapped ampicillin on survival of Listeria monocytogenes in murine peritoneal macrophages. Bakker-Woudenberg IA, et al. **Antimicrob Agents Chemother** 1986 Aug;30(2):295–300

Inhibition of Legionella pneumophila multiplication within human macrophages by antimicrobial agents. Vildé JL, et al. **Antimicrob Agents Chemother** 1986 Nov;30(5):743–8

Genetic basis for Ia positivity and susceptibility to lactic dehydrogenase virus in macrophages of SJL/J mice. Inada T, et al. **Arch Virol** 1987;92(1–2):77–85

Effects of recombinant interferon-gamma and chemotherapy with isoniazid and rifampicin on infections of mouse peritoneal macrophages with Listeria monocytogenes and Mycobacterium microti in vitro. Khor M, et al. **Br J Exp Pathol** 1986 Oct;67(5):707–17

A rapid method for viability and drug sensitivity of Mycobacterium leprae cultured in macrophages and using fluorescein diacetate. Bhagria A, et al. **Indian J Lepr** 1987 Jan-Mar;59(1):9–19

Plasmid-mediated early killing of eucaryotic cells by Shigella flexneri as studied by infection of J774 macrophages. Clerc PL, et al. **Infect Immun** 1987 Mar;55(3):521–7

"Haemophilus somnus," a facultative intracellular pathogen of bovine mononuclear phagocytes. Lederer JA, et al. **Infect Immun** 1987 Feb;55(2):381–7

Fate of Chlamydia trachomatis in human monocytes and monocyte-derived macrophages. Manor E, et al. **Infect Immun** 1986 Oct;54(1):90–5

Direct activation of human monocyte-derived macrophages by a bacterial glycoprotein extract inhibits the intracellular multiplication of virulent Legionella pneumophila serogroup 1. Rajagopalan P, et al. **Infect Immun** 1987 Sep; 55(9):2234–9

Metabolism of Mycobacterium leprae in macrophages. Ramasesh N, et al. **Infect Immun** 1987 May;55(5):1203–6

Mycobacterium leprae-burdened macrophages are refractory to activation by gamma interferon. Sibley LD, et al. **Infect Immun** 1987 Feb;55(2):446–50

Intracellular fate of Mycobacterium leprae in normal and activated mouse macrophages. Sibley LD, et al. **Infect Immun** 1987 Mar;55(3):680–5

Differential growth of Legionella pneumophila in guinea pig versus mouse macrophage cultures. Yamamoto Y, et al. **Infect Immun** 1987 Jun;55(6):1369–74

Ingestion and intracellular growth of Mycobacterium paratuberculosis within bovine blood monocytes and monocyte-derived macrophages. Zurbrick BG, et al. **Infect Immun** 1987 Jul;55(7):1588–93

Comparison of radiometric macrophage assay and fluorescein diacetate/ethidium bromide staining for evaluation of M. leprae viability. Harshan KV, et al. **Int J Lepr Other Mycobact Dis** 1987 Jun;55(2):316–21

Hepatitis B virus in tissue culture systems. I. Serial propagation of virus in human macrophages. Milovanovic MV, et al. **Intervirology** 1987;27(1):1–8

Comparison of 15 laboratory and patient-derived strains of Mycobacterium avium for ability to infect and multiply in cultured human macrophages. Crowle AJ, et al. **J Clin Microbiol** 1986 Nov;24(5):812–21

The effect of pH on the early interaction of West Nile virus with P388D1 cells. Kimura T, et al. **J Gen Virol** 1986 Nov; 67 (Pt 11):2423–33

Intracellular killing of Mycobacterium avium complex by rifapentine and liposome-encapsulated amikacin. Bermudez LE, et al. **J Infect Dis** 1987 Sep;156(3):510–3

MC29 deletion mutants which fail to transform chicken macrophages are competent for transformation of quail macrophages. Biegalke BJ, et al. **J Virol** 1987 Jul; 61(7):2138–42

HTLV-III/LAV and the monocyte/macrophage [editorial] Streicher HZ, et al. **JAMA** 1986 Nov 7;256(17):2390–1

Dengue virus isolation by antibody-dependent enhancement of infectivity in macrophages. Cardosa MJ. **Lancet** 1987 Jan 24;1(8526):193–4

Modulation of the adherence of group A streptococci to murine cells. Savoia D, et al. **Microbiologica** 1987 Jul; 10(3):281–90

Immunocytochemical staining of Histoplasma capsulatum at the electron microscopic level. Patino MM, et al. **Mycopathologia** 1986 Jun;94(3):157–61

Role of interferon in persistent infection of macrophages with herpes simplex virus. Domke-Opitz I, et al. **Virology** 1987 Aug;159(2):306–11

PARASITOLOGY

Impairment of the oxidative metabolism of mouse peritoneal macrophages by intracellular Leishmania spp. Buchmüller-Rouiller Y, et al. **Infect Immun** 1987 Mar; 55(3):587–93

Inhibition of the intracellular growth of Histoplasma capsulatum by recombinant murine gamma interferon. Wu-Hsieh BA, et al. **Infect Immun** 1987 Apr;55(4):1014–6

Inhibition of lysosomal fusion by Trypanosoma cruzi in peritoneal macrophages. Osuna A, et al. **Int J Parasitol** 1986 Dec;16(6):629–32

Passive transfer of Leishmania lipopolysaccharide confers parasite survival in macrophages. Handman E, et al. **J Immunol** 1986 Dec 1;137(11):3608–13

Activity of recombinant tumor necrosis factor on Toxoplasma gondii and Trypanosoma cruzi [letter] Kierszenbaum F, et al. **J Immunol** 1987 Jan 1;138(1):330

Infectivity of Leishmania braziliensis promastigotes is dependent on the increasing expression of a 65,000-dalton surface antigen. Kweider M, et al. **J Immunol** 1987 Jan 1;138(1):299–305

Parasite-accessory cell interactions in murine leishmaniasis. II. Leishmania donovani suppresses macrophage expression of class I and class II major histocompatibility complex gene products. Reiner NE, et al. **J Immunol** 1987 Mar 15; 138(6):1926–32

Parasite accessory cell interactions in murine leishmaniasis. I. Evasion and stimulus-dependent suppression of the macrophage interleukin 1 response by Leishmania donovani. Reiner NE. **J Immunol** 1987 Mar 15; 138(6):1919–25

Macrophage activation for antileishmanial defense by an apparently novel mechanism. Wyler DJ, et al. **J Immunol** 1987 Feb 15;138(4):1246–9

Potent effect of trimetrexate, a lipid-soluble antifolate, on Toxoplasma gondii. Kovacs JA, et al. **J Infect Dis** 1987 May;155(5):1027–32

Does concanavalin A treatment of host cells enhance or inhibit their association with Trypanosoma cruzi trypomastigotes? Stiles B, et al. **J Parasitol** 1986 Aug; 72(4):540–4

Structural observations on the attachment of promastigotes of Leishmania mexicana amazonensis to the surface of macrophages. Pimienta PF, et al. **Microsc Electron Biol Celular** 1986 Jun;10(1):65–75

The effects of p-chloromercuriphenylsulfonic acid on Trypanosoma cruzi infection of mammalian host cells in vitro. Ayala A, et al. **Mol Biochem Parasitol** 1987 Feb; 23(1):63–9

Role of membrane N-linked oligosaccharides in host cell interaction with invasive forms of Trypanosoma cruzi. Villalta F, et al. **Mol Biochem Parasitol** 1987 Jan 15; 22(2–3):109–14

Cytochemical localization of NADH and NADPH oxidases during interaction of Trypanosoma cruzi with activated macrophages. de Carvalho TU, et al. **Parasitol Res** 1987; 73(3):213–7

Arginine decarboxylase inhibitors reduce the capacity of Trypanosoma cruzi to infect and multiply in mammalian host cells. Kierszenbaum F, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4278–82

Infectivity of amastigotes of Trypanosoma cruzi. de Carvalho TU, et al. **Rev Inst Med Trop Sao Paulo** 1986 Jul-Aug; 28(4):205–12

PATHOLOGY

Nature of macrophages in rat brain. A histochemical study. Boya J, et al. **Acta Anat (Basel)** 1986;127(2):142–5

Characterization of cells in bronchoalveolar lavage fluid of children with recurrent obstructive bronchitis. Nagy B, et al. **Acta Paediatr Hung** 1986;27(3):211–9

Foamy cell syndrome associated with repeated platelet transfusions. Ishihara T, et al. **Acta Pathol Jpn** 1986 Dec; 36(12):1863–9

Immunocytochemical characterization of amniotic fluid macrophages in cases of fetal neural tube defects. Polgar K, et al. **Am J Clin Pathol** 1987 Jan;87(1):37–42

Histological techniques for the study of granular cells during wound healing. Montagna W, et al. **Am J Dermatopathol** 1987 Feb;9(1):26–9

Response of pulmonary macrophages to hyperoxic pulmonary injury. Acquisition of surface fibronectin and fibrin/ogen and enhanced expression of a fibronectin receptor. Kradin RL, et al. **Am J Pathol** 1986 Nov; 125(2):349–57

Systemic mononuclear-cell vasculitis in MRL/Mp-lpr/lpr mice. A histologic and immunocytochemical analysis. Moyer CF, et al. **Am J Pathol** 1987 May;127(2):229–42

Ultrastructure of the rat pancreas after experimental duct ligation. I. The role of apoptosis and intraepithelial macrophages in acinar cell deletion. Walker NI. **Am J Pathol** 1987 Mar;126(3):439–51

Sequence of inflammatory cell migration into lung during recovery from hyaline membrane disease in premature newborn monkeys. Jackson JC, et al. **Am Rev Respir Dis** 1987 Apr;135(4):937–40

Mechanisms of macrophage accumulation in the lungs of asbestos-exposed subjects. Spurzem JR, et al. **Am Rev Respir Dis** 1987 Aug;136(2):276–80

Immunocytochemical analysis of cellular components in atherosclerotic lesions. Use of monoclonal antibodies with the Watanabe and fat-fed rabbit. Tsukada T, et al. **Arteriosclerosis** 1986 Nov-Dec;6(6):601–13

Bipotential cell differentiation of KU-812: evidence of a hybrid cell line that differentiates into basophils and macrophage-like cells. Fukuda T, et al. **Blood** 1987 Sep; 70(3):612–9

Stromal macrophage-histiocytes in Hodgkin's disease. Their relation to fever. Ree HJ. **Cancer** 1987 Oct 1;60(7):1479–84

Recruitment of exogenous macrophages into metastases at different stages of tumor growth. Bugelski PJ, et al. **Cancer Immunol Immunother** 1987;24(2):93–8

Characterization of malignant peripheral blood cells of juvenile chronic myelogenous leukemia. Estrov Z, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6456–61

Macrophage content of murine sarcomas and carcinomas: associations with tumor growth parameters and tumor radiocurability. Milas L, et al. **Cancer Res** 1987 Feb 15; 47(4):1069–75

Modification of cell surface glycoproteins, macrophage cytostasis, and blood-borne metastatic properties of the murine RAW117 large cell lymphoma by virus superinfection. Yoshida M, et al. **Cancer Res** 1987 May 15;47(10):2558–62

Primary biliary cirrhosis. Subclinical inflammatory alveolitis in patients with normal chest roentgenograms. Wallaert B, et al. **Chest** 1986 Dec;90(6):842–8

Oestrogen receptor concentration and macrophage infiltration in human breast cancer. Steele RJ, et al. **Eur J Surg Oncol** 1986 Sep;12(3):273–6

Cell-mediated immunity in Coxsackie B3 virus myocarditis in mice--in situ characterization by monoclonal antibody of mononuclear cell infiltrates. Deguchi H, et al. **Heart Vessels** 1985;Suppl 1:221–7

Leiomyosarcoma of the uterus with giant cells resembling osteoclasts. Marshall RJ, et al. **Int J Gynecol Pathol** 1986; 5(3):260–8

Impaired monocyte-to-macrophage maturation in patients with lymphadenopathy syndrome. Offenberger J, et al. **J Clin Immunol** 1986 Nov;6(6):467–71

New mechanism for foam cell generation in atherosclerotic lesions. Curtiss LK, et al. **J Clin Invest** 1987 Aug; 80(2):367–73

Macrophages and mast cells in chronic cholecystitis and "normal" gall bladdersHudson I, et al. **J Clin Pathol** 1986 Oct;39(10):1082–7

Shift in subfractions of rat alveolar macrophages in vivo during endotoxin-induced alveolitis. Rinaldo JE, et al. **J Leukocyte Biol** 1987 Sep;42(3):230–8

Elevation of infiltrating mononuclear phagocytes in human colorectal tumors. Allen C, et al. **JNCI** 1987 Mar; 78(3):465–70

Analysis of macrophages, activated cells and T cell subsets in inflammatory myopathies using monoclonal antibodies. Giorno R, et al. **Pathol Immunopathol Res** 1986;5(6):491–9 (40 ref.)

Biologic characterization of human bone tumors IX. Occurrence of macrophages. Roessner A, et al. **Pathol Res Pract** 1987 Jun;182(3):336–43

Phagocytic macrophages in the bone marrow biopsies of children with Hodgkin's disease. Penchansky L, et al. **Pediatr Pathol** 1986;6(4):369–75

Recurrent aspiration in children: lipid-laden alveolar macrophage quantitation. Colombo JL, et al. **Pediatr Pulmonol** 1987 Mar-Apr;3(2):86–9

Meningeal macrophages reflect lymphocytic choriomeningitis virus pathogenic phenotypes. Woods SJ, et al. **Scand J Immunol** 1987 Aug;26(2):97–103

Macrophage-like cells of the pannus area in rheumatoid arthritic joints. Salisbury AK, et al. **Scand J Rheumatol** 1987;16(4):263–72

Intravascular macrophages in lungs of pigs infected with Haemophilus pleuropneumoniae. Bertram TA. **Vet Pathol** 1986 Nov;23(6):681–91

Lung deformation and macrophage displacement in smoke-exposed and normal mice (Mus musculus) following different fixation procedures. Matulionis DH. **Virchows Arch [A]** 1986;410(1):49–56

[Immunohistochemical observation on macrophage in nasopharyngeal carcinoma tissues] Huang PS, et al. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Sep;15(3):187–9 (Eng. Abstr.) **(Chi)**

[Macrophage infiltration in human glomerulonephritis: histochemical study by the non-specific esterase method] Oko A, et al. **Nephrologie** 1986;7(5):190–4 (Eng. Abstr.) **(Fre)**

[Bioclinical conference in pneumology. Hôpital Laënnec. Case n. 4--February 1985. Interstitial pneumopathy associated with pulmonary infiltration by foamy macrophages] Clerici C, et al. **Rev Pneumol Clin** 1986; 42(6):300–5 **(Fre)**

[Generalized melanosis of macro- and microphages in metastasizing melanoma] Laissue JA, et al. **Hautarzt** 1987 Apr;38(4):232–4 (Eng. Abstr.) **(Ger)**

[Differentiation of macrophages and smooth muscle cells with monoclonal antibodies in arteriosclerotic plaques of the human aorta] Roessner A, et al. **Verh Dtsch Ges Pathol** 1986;70:365–70 (Eng. Abstr.) **(Ger)**

[Cytomorphologic, cytochemical and functional characteristics of cells from the peritoneal dialysate of patients with terminal renal failure treated by intermittent peritoneal dialysis. I. Quantitative and qualitative characteristics of the cells of the peritoneal dialysate] Sulowicz W. **Przegl Lek** 1987;44(3):326–35 (Eng. Abstr.) **(Pol)**

[Activity of serum granulocyte-macrophage colony formation regulators in alcoholism] Swiderska JE, et al. **Przegl Lek** 1986;43(9):610–3 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Induction of metallothionein synthesis in cultured cells by substances released from endotoxin-activated macrophages. Takahashi T, et al. **Acta Med Okayama** 1987 Feb;41(1):19–23

Effector functions of macrophages. Seljelid R. **Acta Med Scand [Suppl]** 1987;715:131–8 (57 ref.)

In vivo and in vitro effect of toxic and radio-detoxified endotoxin preparations on chemiluminescence of peritoneal cells of mice. Elekes E, et al. **Acta Microbiol Hung** 1987; 34(1):65–72

Foamy cells associated with phagocytosis of glutaraldehyde-treated red blood cells and red cell membranes. Ishihara T, et al. **Acta Pathol Jpn** 1987 Apr; 37(4):627–37

Human alveolar macrophages and monocytes generate the functional classical pathway of complement in vitro. Hetland G, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1987 Jun; 95(3):117–22

Modulation of eicosanoid production due to mast cell–macrophage interaction. Jakschik BA, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1986; 16:141–52 (23 ref.)

Altered maturation and function of peritoneal macrophages: possible role in pathogenesis of endometriosis. Halme J, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):783–9

Modulation of fibroblast proliferation and transformation by activated macrophages during postoperative peritoneal reepithelialization. Orita H, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):905–11

Protective effect of glucan-enhanced macrophage function in experimental pancreatitis. Browder IW, et al. **Am J Surg** 1987 Jan;153(1):25–33

Pulmonary alveolar macrophage function during acute inflammatory lung injury. Brieland JK, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1300–6

Modulation of the effects of alveolar macrophages on lung fibroblast collagen production rate. Clark JG, et al. **Am Rev Respir Dis** 1987 Jan;135(1):52–6

Effect of the elastase inhibitor, eglin-c, on antibacterial mechanisms in experimental pneumonia. Description of a system to quantitate phagocytic and bactericidal activity of resident murine alveolar macrophages in vivo. Esposito AL, et al. **Am Rev Respir Dis** 1987 Mar;135(3):676–81

Alveolar macrophages, blood monocytes, and density-fractionated alveolar macrophages differ in their ability to promote lymphocyte proliferation to mitogen and antigen. Ferro TJ, et al. **Am Rev Respir Dis** 1987 Mar; 135(3):682–7

Augmentation of rat alveolar macrophage migration by surfactant protein. Hoffman RM, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1358–62

Alveolar macrophage function in a canine model of endotoxin-induced lung injury. Jacobs RF, et al. **Am Rev Respir Dis** 1986 Oct;134(4):745–51

Interactions between alveolar macrophages, monocytes, and granulocytes. Implications for airway inflammation. Lee TH. **Am Rev Respir Dis** 1987 Jun;135(6 Pt 2):S14–7 (61 ref.)

Alveolar macrophage dysfunction in systemic lupus erythematosus. Wallaert B, et al. **Am Rev Respir Dis** 1987 Aug;136(2):293–7

Migration of macrophages from the marginal zone to germinal centers in the spleen of mice. Kotani M, et al. **Anat Rec** 1985 Jun;212(2):172–8

Hormone-like activity of human thrombin. Bar-Shavit R, et al. **Ann NY Acad Sci** 1986;485:335–48

Regulation of 25-hydroxyvitamin D3 metabolism in a human promyelocytic leukemia cell line (HL-60): 1,25-dihydroxyvitamin D3 stimulates the synthesis of 24,25-dihydroxyvitamin D3. Reichel H, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):222–31

Role of the macrophage in the translocation of intestinal bacteria. Wells CL, et al. **Arch Surg** 1987 Jan;122(1):48–53

Thymocyte-macrophage roles in autoimmune diseases. Hong R. **Arthritis Rheum** 1977 Mar;20(2 Suppl):419–24

Complement-dependent triggering of B-cells, T-cells and macrophages. Dierich MP, et al. **Behring Inst Mitt** 1987 Jun;(81):128–32

The receptor function of C1q, the Fc-recognizing component of the complement system, on macrophages. Loos M. **Behring Inst Mitt** 1987 Jun;(81):133

Biochemical aspects of constitutive and facultative expression of MHC class II molecules at the pre- and posttranslational level. Reske K, et al. **Behring Inst Mitt** 1987 Jun;(81):46–59

Macrophage recognition of the erythrocytes modified by oxidizing agents. Beppu M, et al. **Biochim Biophys Acta** 1987 Sep 14;930(2):244–53

Activation of anion channels by zymosan particles in membranes of peritoneal macrophages. Kolb HA, et al. **Biochim Biophys Acta** 1987 May 29;899(2):239–46

Electrophysiology of phagocytic membranes: intracellular K+ activity and K+ equilibrium potential in macrophage polykaryons. Persechini PM, et al. **Biochim Biophys Acta** 1987 May 29;899(2):213–21

Surface characteristics and the interaction of colloidal particles with mouse peritoneal macrophages. Illum L, et al. **Biomaterials** 1987 Mar;8(2):113–7

An in vitro system for studying cartilage degradation by macrophages. Williams JD, et al. **Biomed Pharmacother** 1987;41(2):89–92

Augmentation of in vitro human marrow erythropoiesis under physiological oxygen tensions is mediated by monocytes and T lymphocytes. Pennathur-Das R, et al. **Blood** 1987 Mar;69(3):899–907

Acetylcholine reduces inward rectification on thymus-derived macrophage cells in culture. Moody-Corbett F, et al. **Can J Physiol Pharmacol** 1987 Mar;65(3):348–51

Enhanced activity of mouse peritoneal cells after aclacinomycin administration. Cuellar AB, et al. **Cancer Res** 1987 Jul 1;47(13):3477–84

Macrophage potentiation of invasive capacity of rat ascites hepatoma cells. Mukai M, et al. **Cancer Res** 1987 Apr 15; 47(8):2167–71

Induction, in vivo and in vitro, of macrophage membrane interleukin-1 by adjuvant-active synthetic muramyl peptides. Bahr GM, et al. **Cell Immunol** 1987 Jul; 107(2):443–54

Regulation of bone marrow cell survival in short-term cultures: a new macrophage function. Blasi E, et al. **Cell Immunol** 1987 Feb;104(2):334–42

Macrophage activation by interferon alpha + beta is associated with a loss of proliferative capacity: role of interferon alpha + beta in the regulation of macrophage proliferation and function. Chen BD, et al. **Cell Immunol** 1987 May;106(2):343–54

Cytostatic peptide isolation from culture media of mouse peritoneal exudate cells. Csuka I, et al. **Cell Immunol** 1987 Sep;108(2):425–37

Induction of tumor cell resistance to macrophage-mediated lysis by phorbol esters: a postbinding event. Fishman M, et al. **Cell Immunol** 1986 Jul;100(2):374–88

The phylogeny of macrophage function: antigen uptake and degradation by peritoneal exudate cells of two amphibian species and CAF1 mice. Gammie AE, et al. **Cell Immunol** 1986 Jul;100(2):577–83

Implications of a rise in cytosolic free calcium in the activation of RAW-264 macrophages for tumor cell killing. Gorecka-Tisera AM, et al. **Cell Immunol** 1986 Jul; 100(2):411–21

Analysis of the activation of lymphoid cells by mitogens in vitro with limiting dilution methods: adherent peritoneal cells suppress B-cell activation and synergize with WEHI-3 in the activation of T cells by Con A. Kettman J, et al. **Cell Immunol** 1986 May;99(2):489–99

Suppression of fibroblast proliferation by activated macrophages: involvement of H2O2 and a non-prostaglandin E product of the cyclooxygenase pathway. Metzger Z, et al. **Cell Immunol** 1986 Jul; 100(2):501–14

A low level of macrophages enhances anti-TNP plaque-forming cell generation by human lymphocytes against TNP-Brucella abortus, a T-independent antigen. Okubo M, et al. **Cell Immunol** 1986 Apr 1;98(2):552–9

Regulation of T-cell activation and T-cell growth factor (TCGF) production by hydrogen peroxide. Roth S, et al. **Cell Immunol** 1987 Sep;108(2):417–24

Altered cell-averaged microviscosity of murine peritoneal macrophages undergoing activation in vivo or in vitro. Somers SD, et al. **Cell Immunol** 1987 Feb;104(2):232–44

Functional characteristics of in vitro generated macrophages: a transient refractory state precedes reinducibility of a spatially restricted, possibly contact-dependent, cytostatic mechanism. Stout RD, et al. **Cell Immunol** 1987 Mar; 105(1):33–44

Synthesis of angiotensins by cultured granuloma macrophages in murine schistosomiasis mansoni. Weinstock JV, et al. **Cell Immunol** 1987 Jul;107(2):273–80

Pulmonary alveolar proteinosis. Further evaluation of abnormal alveolar macrophages. Gonzalez-Rothi RJ, et al. **Chest** 1986 Nov;90(5):656–61

The effect of gold salts on casein-induced macrophage activation and serum amyloid protein SAA levels. Herman Hernandes CE, et al. **Clin Exp Rheumatol** 1986 Oct–Dec; 4(4):347–50

Identification of a low molecular weight, macrophage-derived chemotactic factor for fibroblasts. Diegelmann RF, et al. **Clin Immunol Immunopathol** 1986 Dec;41(3):331–41

Effect of bone marrow mononuclear phagocytes on the bone matrix-induced bone formation in rats. Sakata H, et al. **Clin Orthop** 1987 Jul;(220):253–8

Selective destruction of leucocytes by freezing as a potential means of modulating tissue immunogenicity: membrane integrity of lymphocytes and macrophages. Taylor MJ, et al. **Cryobiology** 1987 Apr;24(2):91–102

Effect of macrophage stimulation on parasympathetic airway contraction in dogs. Tamaoki J, et al. **Eur J Pharmacol** 1987 Jun 26;138(3):421–5

Inhibition of the phagocytosis-induced respiratory burst by the fungal metabolite wortmannin and some analogues. Baggiolini M, et al. **Exp Cell Res** 1987 Apr;169(2):408–18

Specific modulation of surface receptors in J.774 macrophages by anchorage. Ventura MA, et al. **Exp Cell Res** 1987 Jun;170(2):290–9

Macrophages, dust, and pulmonary diseases. Bowden DH. **Exp Lung Res** 1987;12(2):89–107 (92 ref.)

Schistosoma mansoni: control of extramedullar eosinophil myelopoiesis in chronically infected mice by inflammatory macrophages. Borojevic R, et al. **Exp Parasitol** 1986 Dec; 62(3):349–55

Is enhanced free radical flux associated with increased intracellular proteolysis? Vince GS, et al. **FEBS Lett** 1987 Jun 1;216(2):253–6

Ethiodol inhibits phagocytosis by pelvic peritoneal macrophages. Boyer P, et al. **Fertil Steril** 1986 Oct; 46(4):715–7

Splenic monocyte-macrophage dependent suppression of autologous granulocyte-progenitors growth in Hodgkin's disease. Hansz J, et al. **Folia Haematol (Leipz)** 1987; 114(2):203–11

Tumour related inhibition of macrophage chemotaxis in patients with colon cancer. Hermanowicz A, et al. **Gut** 1987 Apr;28(4):416–22

Functional comparison of bone marrow-derived macrophages obtained by cultivation in serum-free or serum-supplemented medium. Flesch I, et al. **Immunobiology** 1986 Oct;173(1):72–81

Biological aspects of tumor necrosis factor. Männel DN. **Immunobiology** 1986 Sep;172(3–5):283–90

Biological properties and molecular biology of the human macrophage growth factor, CSF-1. Ralph P, et al. **Immunobiology** 1986 Sep;172(3–5):194–204

Accessory cell requirements in mitogen-induced rabbit T lymphocyte proliferation in an improved tissue culture system. Stiekema FE, et al. **In Vitro Cell Dev Biol** 1987 Apr;23(4):253–6

Modulation of macrophage activity by microorganisms. Sen V, et al. **Indian J Exp Biol** 1986 Oct;24(10):650–4

Phagocytosis of rodent malarial parasites by mouse peritoneal macrophages. Vinayak VK, et al. **Indian J Med Res** 1987 Apr;85:374–9

Heterogeneous activity of immature and mature cells of the murine monocyte-macrophage lineage derived from different anatomical districts against yeast-phase Candida albicans. Decker T, et al. **Infect Immun** 1986 Nov; 54(2):477–86

Role of interleukin-1 in the depression of liver drug metabolism by endotoxin. Ghezzi P, et al. **Infect Immun** 1986 Dec;54(3):837–40

Effects of a phagocytosis-stimulating factor derived from polymorphonuclear neutrophils on the functions of macrophages. Ishibashi Y, et al. **Infect Immun** 1987 Aug; 55(8):1762–6

Genetic association of defects in macrophage larvicidal activity and vaccine-induced resistance to Schistosoma mansoni in P strain mice. James SL, et al. **Infect Immun** 1987 Aug;55(8):1884–9

Discrepancy in assessment of phagosome-lysosome fusion with two lysosomal markers in murine macrophages infected with Candida albicans. Mor N, et al. **Infect Immun** 1987 Jul;55(7):1663–7

Direct activation of human monocyte-derived macrophages by a bacterial glycoprotein extract inhibits the intracellular multiplication of virulent Legionella pneumophila serogroup 1. Rajagopalan P, et al. **Infect Immun** 1987 Sep; 55(9):2234–9

Analysis of colony-stimulating factors and macrophage progenitor cells in mice immunized against Listeria monocytogenes by adoptive transfer. Wing EJ, et al. **Infect Immun** 1987 Aug;55(8):1843–7

Calcium channels and histamine release from mast cells. West GB. **Int Arch Allergy Appl Immunol** 1987;84(1):101–2

Decrease of mononuclear phagocyte cell functions and prolongation of graft survival in experimental transplantation by (+/–)-15-deoxyspergualin. Dickneite G, et al. **Int J Immunopharmacol** 1987;9(5):559–65

Peroxide and pteridine: a hypothesis on the regulation of macrophage antimicrobial activity by interferon gamma. Nathan CF. **Interferon** 1986;7:125–43 (56 ref.)

Macrophage activity of regional lymph nodes of cancer patients and its relation to stages of cancer. Mashiba H, et al. **Invasion Metastasis** 1986;6(6):367–75

Lymphotoxin activity of regional lymph nodes of cancer patients and its relation to stages of cancer and the regulatory role of macrophages. Matsunaga K, et al. **Invasion Metastasis** 1987;7(1):41–52

Vitreous macrophage elicitation: generation of stimulants for pigment epithelium in vitro. Burke JM, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1100–7

Formation of macrophage (M) colony-stimulating factor by murine leukemia x fibroblast hybrid cells. Chow HS, et al. **J Biol Response Mod** 1987 Aug;6(4):446–56

The interactions between macrophages and developmental stages of Schistosoma mansoni: effect of macrophage function modulators on the viability of S. mansoni in vivo and in vitro. Malkin R, et al. **J Biol Response Mod** 1986 Oct;5(5):470–80

Enhancement of chemiluminescence and phagocytic activities by nontoxic and toxic forms of lipid A. Masihi KN, et al. **J Biol Response Mod** 1986 Oct;5(5):462–9

Ca2+-calmodulin regulates the induction and expression of macrophage cytotoxicity. Nguyen HK, et al. **J Biol Response Mod** 1987 Apr;6(2):154–68

Glucan stimulates production of antitumor cytolytic/cytostatic factor(s) by macrophages. Sherwood ER, et al. **J Biol Response Mod** 1986 Dec;5(6):504–26

Antitumor and phagocytic activities of rat alveolar macrophage subpopulations separated on a discontinuous gradient of bovine serum albumin. Sone S, et al. **J Biol Response Mod** 1986 Dec;5(6):595–603

Ionic channels in murine macrophages. Randriamampita C, et al. **J Cell Biol** 1987 Aug;105(2):761–9

Tubular lysosomes accompany stimulated pinocytosis in

macrophages. Swanson J, et al. **J Cell Biol** 1987 May; 104(5):1217–22
Effect of phagocytosis on receptor distribution and endocytic activity in macrophages. Buys SS, et al. **J Cell Physiol** 1987 Jun;131(3):442–9
Properties of colony-stimulating factors produced by macrophage cell lines and hybrid cells. Ohki K, et al. **J Cell Physiol** 1987 Jan;130(1):68–76
Macrophages are required for influenza virus infection of human lymphocytes. Mock DJ, et al. **J Clin Invest** 1987 Feb;79(2):620–4
The effect of in vivo modulation of macrophage activities on Mycobacterium lepraemurium infection. Ha DK, et al. **J Comp Pathol** 1986 Sep;96(5):565–73
Enhancement of immune response in mice fed with Streptococcus thermophilus and Lactobacillus acidophilus. Perdigon G, et al. **J Dairy Sci** 1987 May;70(5):919–26
Reversibility of gelsolin/actin interaction in macrophages. Evidence of Ca2+-dependent and Ca2+-independent pathways. Chaponnier C, et al. **J Exp Med** 1987 Jan 1; 165(1):97–106
The macrophage response to central and peripheral nerve injury. A possible role for macrophages in regeneration. Perry VH, et al. **J Exp Med** 1987 Apr 1;165(4):1218–23
Oxidative and phagocytic functions of macrophages during infections induced in mice by Mycobacterium intracellulare and Listeria monocytogenes. Saito H, et al. **J Gen Microbiol** 1986 Apr;132 (Pt 4):1117–25
Protective mechanisms against pulmonary infection with influenza virus. I. Relative contribution of polymorphonuclear leukocytes and of of alveolar macrophages to protection during the early phase of intranasal infection. Fujisawa H, et al. **J Gen Virol** 1987 Feb;68 (Pt 2):425–32
Wound repair in mice as influenced by age and antimacrophage serum. Cohen BJ, et al. **J Gerontol** 1987 May;42(3):295–301
Macrophage membrane interleukin 1 regulates the expression of acute phase proteins in human hepatoma Hep 3B cells. Beuscher HU, et al. **J Immunol** 1987 Sep 15; 139(6):1896–901
Receptor-specific modulation of myelopoiesis by recombinant DNA-derived interleukin 2. Burdach S, et al. **J Immunol** 1987 Jul 15;139(2):452–8
Modulations of functional activity in differentiated macrophages are accompanied by early and transient increase or decrease in c-fos gene transcription. Collart MA, et al. **J Immunol** 1987 Aug 1;139(3):949–55
Trace levels of bacterial lipopolysaccharide prevent interferon-gamma or tumor necrosis factor-alpha from enhancing mouse peritoneal macrophage respiratory burst capacity. Ding AH, et al. **J Immunol** 1987 Sep 15; 139(6):1971–7
Induction of macrophage Ia antigen expression by rIFN-gamma and down-regulation by IFN-alpha/beta and dexamethasone are mediated by changes in steady-state levels of Ia mRNA. Fertsch D, et al. **J Immunol** 1987 Jul 1;139(1):244–9
Systemic activation of tumoricidal properties in mouse macrophages and inhibition of melanoma metastases by the oral administration of MTP-PE, a lipophilic muramyl dipeptide. Fidler IJ, et al. **J Immunol** 1987 Jun 15; 138(12):4509–14
Mycobacterial growth inhibition by interferon-gamma-activated bone marrow macrophages and differential susceptibility among strains of Mycobacterium tuberculosis. Flesch I, et al. **J Immunol** 1987 Jun 15;138(12):4408–13
Regulation of interleukin 1 gene expression by adherence and lipopolysaccharide. Fuhlbrigge RC, et al. **J Immunol** 1987 Jun 1;138(11):3799–802
Functional maturation of murine B lymphocyte precursors. II. Analysis of cells required from the bone marrow microenvironment. Gisler RH, et al. **J Immunol** 1987 Apr 15;138(8):2433–8
Monocyte procoagulant inducing factor: a lymphokine involved in the T cell–instructed monocyte procoagulant response to antigen. Gregory SA, et al. **J Immunol** 1986 Nov 15;137(10):3231–9
L-arginine is required for expression of the activated macrophage effector mechanism causing selective metabolic inhibition in target cells. Hibbs JB Jr, et al. **J Immunol** 1987 Jan 15;138(2):550–65
Modulation of mouse peritoneal macrophage Ia and human peritoneal macrophage HLA-DR expression by alpha 2-macroglobulin "fast" forms.Hoffman MR, et al. **J Immunol** 1987 Sep 15;139(6):1885–90
The effect of LPS on expression of the early "competence" genes JE and KC in murine peritoneal macrophages. Introna M, et al. **J Immunol** 1987 Jun 1;138(11):3891–6
Maleyl-BSA and fucoidan induce expression of a set of early proteins in murine mononuclear phagocytes. Johnston PA, et al. **J Immunol** 1987 Mar 1;138(5):1551–8
Induction by lipopolysaccharide of intracellular and extracellular interleukin 1 production: analysis with synthetic models. Lasfargues A, et al. **J Immunol** 1987 Jul 15;139(2):429–36
Suppression of macrophage cytostatic activation by serum retinoids: a possible role for transglutaminase. Mehta K, et al. **J Immunol** 1987 Jun 1;138(11):3902–6
Membrane-associated interleukin 1 activity on human U937 tumor cells: stimulation of PGE2 production by human chondrosarcoma cells. Merluzzi VJ, et al. **J Immunol** 1987 Jul 1;139(1):166–8
Interleukin 2 inhibits in vitro granulocyte-macrophage colony formation. Naldini A, et al. **J Immunol** 1987 Sep 15;139(6):1880–4
Effects of bacterial lipopolysaccharide on the hydrolysis of phosphatidylinositol-4,5-bisphosphate in murine peritoneal macrophages. Prpic V, et al. **J Immunol** 1987 Jul 15; 139(2):526–33
Characterization and purification of mouse macrophage procoagulant-inducing factor. Ryan J, et al. **J Immunol** 1986 Nov 1;137(9):2864–70
Induction of nitrite/nitrate synthesis in murine macrophages by BCG infection, lymphokines, or interferon-gamma. Stuehr DJ, et al. **J Immunol** 1987 Jul 15;139(2):518–25
Salmonella-typhimurium-specific difference in rate of intracellular killing by resident peritoneal macrophages from salmonella-resistant CBA and salmonella-susceptible C57BL/10 mice. van Dissel JT, et al. **J Immunol** 1987 Jun 15;138(12):4428–34
Divergent changes in antimicrobial activity after immunologic activation of mouse peritoneal macrophages. van Dissel JT, et al. **J Immunol** 1987 Sep 1;139(5):1665–72
Selective inhibition of 28S ribosomal RNA in macrophages activated by interferon-gamma or -beta. Varesio L, et al. **J Immunol** 1987 Apr 1;138(7):2332–7
Differential mRNA responses in human macrophages activated by interferon-gamma and muramyl dipeptide. */ermeulen MW, et al. **J Immunol** 1987 Jul 1;139(1):7–9
Macrophage growth factor CSF-1 stimulates human monocyte production of interferon, tumor necrosis factor, and colony stimulating activity. Warren MK, et al. **J Immunol** 1986 Oct 1;137(7):2281–5
Plasminogen activator-specific inhibitors in mouse macrophages: in vivo and in vitro modulation of their synthesis and secretion. Wohlwend A, et al. **J Immunol** 1987 Aug 15;139(4):1278–84
Modulation of the macrophage oxidative burst by Histoplasma capsulatum. Wolf JE, et al. **J Immunol** 1987 Jan 15;138(2):582–6
Acidification of phagosomes in murine macrophages: blockage by Nocardia asteroides. Black CM, et al. **J Infect Dis** 1986 Dec;154(6):952–8
Role of chemotactic factor inactivator in modulating alveolar macrophage-derived neutrophil chemotactic activity. Robbins RA, et al. **J Lab Clin Med** 1987 Feb;109(2):164–70
Enhanced superoxide production by rat alveolar macrophages stimulated in vitro with biological response modifiers. Badger AM. **J Leukocyte Biol** 1986 Dec; 40(6):725–36
Polyanionic agents do not inhibit phagosome-lysosome fusion in cultured macrophages. Goren MB, et al. **J Leukocyte Biol** 1987 Feb;41(2):122–9
Polyanionic agents as inhibitors of phagosome-lysosome fusion in cultured macrophages: evolution of an alternative interpretation. Goren MB, et al. **J Leukocyte Biol** 1987 Feb;41(2):111–21
Alveolar macrophage/peripheral blood monocyte-derived factors modulate proliferation of primary lines of human lung fibroblasts. Jordana M, et al. **J Leukocyte Biol** 1987 Jul;42(1):51–60
Induction of chemotaxis in mouse peritoneal macrophages by activators of protein kinase C. Laskin DL, et al. **J Leukocyte Biol** 1987 Jun;41(6):474–80
Morphologic and functional heterogeneity among rat alveolar macrophage fractions isolated by centrifugation on density gradients. Oghiso Y. **J Leukocyte Biol** 1987 Sep; 42(3):188–96
Candidacidal activity of monocyte-derived human macrophages: relationship between Candida killing and oxygen radical generation by human macrophages. Sasada M, et al. **J Leukocyte Biol** 1987 Apr;41(4):289–94
On the regulation of differentiation and function of rat macrophages by 1,25-dihydroxyvitamin D3 and dexamethasone. Shezen E, et al. **J Leukocyte Biol** 1987 Mar;41(3):264–72
Surface charge of resident, elicited, and activated mouse peritoneal macrophages. Silva Filho FC, et al. **J Leukocyte Biol** 1987 Feb;41(2):143–9
Size and filterability of human and hamster pulmonary macrophages exposed to cigarette smoke. Smith CM 2d, et al. **J Leukocyte Biol** 1986 Nov;40(5):601–15
Sensitization of tumor target cells to cytolysis by murine macrophage cytolytic factor by drugs inhibiting DNA, RNA, and protein synthesis. Souchek JM, et al. **J Leukocyte Biol** 1986 Dec;40(6):755–68
Receptor-mediated ingestion responses by lung macrophages from a canine model of ARDS. Tabor DR, et al. **J Leukocyte Biol** 1987 Jun;41(6):539–43
L-fucose, D-mannose, L-galactose, and their BSA conjugates stimulate macrophage migration. Takata I, et al. **J Leukocyte Biol** 1987 Mar;41(3):248–56
Ionic channels and membrane hyperpolarization in human macrophages. Ince C, et al. **J Membr Biol** 1987;97(3):251–8
Ion channels in human macrophages compared with the U-937 cell line. McCann FV, et al. **J Membr Biol** 1987; 96(1):57–64
Interaction of nutrition and infection: macrophage activity in vitamin B12-deficient rats infected with Trypanosoma lewisi. Thomaskutty KG, et al. **J Natl Med Assoc** 1987 Apr;79(4):441–6
Macrophage function as studied by the clearance of 125I-labeled polyvinylpyrrolidone in iron-deficient and iron-replete mice. Kuvibidila S, et al. **J Nutr** 1987 Jan; 117(1):170–6
Interaction of microspheres with blood constituents II: Uptake of biodegradable particles by macrophages. Kanke M, et al. **J Parenter Sci Technol** 1986 Jul-Aug;40(4):114–8
Role of macrophages in mesothelial healing. Fotev Z, et al. **J Pathol** 1987 Mar;151(3):209–19
Effect of macrophage colony-stimulating factor on the function of resident peritoneal macrophages. Kanada T, et al. **J Pharmacobiodyn** 1987 May;10(5):215–9
Differential secretion of plasminogen activator activity by postsurgical activated macrophages. Orita H, et al. **J Surg Res** 1986 Dec;41(6):569–73
Intermittent inhalation of nitrogen dioxide: effects on rabbit alveolar macrophages. Schlesinger RB. **J Toxicol Environ Health** 1987;21(1-2):127–39
Requirements of adherent cells for activating Lyt-1+2- T cells as well as for functioning as antitumor effectors activated by factor(s) from Lyt-1+2- T cells. Sakamoto K, et al. **Jpn J Cancer Res** 1986 Nov;77(11):1142–52
Role for macrophage products in endotoxin-induced polymorphonuclear leukocyte accumulation during inflammation. Issekutz AC, et al. **Lab Invest** 1987 Jan; 56(1):49–59
Quantitation and characterization of glomerular procoagulant activity in experimental glomerulonephritis. Tipping PG, et al. **Lab Invest** 1987 Feb;56(2):155–9
Macrophages and atherogenesis. Mitchinson MJ, et al. **Lancet** 1987 Jul 18;2(8551):146–8
Endotoxic activities of tumor necrosis factor independent of IL1 secretion by macrophages/monocytes. Mannel DN, et al. **Lymphokine Res** 1987 Summer;6(3):151–9
Macrophage procoagulant factors—mediators of inflammatory and neoplastic tissue lesions. Helin H. **Med Biol** 1986;64(4):167–76 (103 ref.)
Luminescent bioassays based on macrophage cell lines. De Baetselier P, et al. **Methods Enzymol** 1986;133:507–30
Microassays for superoxide and hydrogen peroxide production and nitroblue tetrazolium reduction using an enzyme immunoassay microplate reader. Pick E. **Methods Enzymol** 1986;132:407–21
Candidacidal effect of peritoneal exudate cells in mice administered with chitin or chitosan: the role of serine protease on the mechanism of oxygen-independent candidacidal effect. Suzuki K, et al. **Microbiol Immunol** 1987;31(4):375–9
Tuftsin induced tumor necrosis activity. Wleklik MS, et al. **Mol Cell Biochem** 1987 Jun;75(2):169–74
Induction of clonal monocyte-macrophage tumors in vivo by a mouse c-myc retrovirus: rearrangement of the CSF-1 gene as a secondary transforming event. Baumbach WR, et al. **Mol Cell Biol** 1987 Feb;7(2):664–71
Dissociation of c-fos induction from macrophage differentiation in human myeloid leukemic cell lines. Calabretta B. **Mol Cell Biol** 1987 Feb;7(2):769–74
Augmentation of c-fos mRNA expression by activators of protein kinase C in fresh, terminally differentiated resting macrophages. Radzioch D, et al. **Mol Cell Biol** 1987 Feb; 7(2):595–9
The effects of tobacco smoke on pulmonary macrophages: experimental own results and literature review. Galbenu P. **Morphol Embryol (Bucur)** 1987 Jan-Mar;33(1):47–54
Phagocytic activity of the tumor associated macrophages in relation to tumor growth: modulation with levamisole. Bhattacharyya S, et al. **Neoplasma** 1986;33(4):519–26
Monocyte-macrophage mediated suppression of erythropoiesis in renal anaemia. Lamperi S, et al. **Nephrol Dial Transplant** 1987;2(2):86–92
Bactericidal activity of peritoneal macrophages from continuous ambulatory dialysis patients. McGregor SJ, et al. **Nephrol Dial Transplant** 1987;2(2):104–8
Feline interleukin 1 derived from alveolar macrophages stimulated with lipopolysaccharide. Goitsuka R, et al. **Nippon Juigaku Zasshi** 1987 Aug;49(4):631–6
Erythrophagocytosis by bone marrow macrophages in hemolytic anemias. Matsumoto N, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Jul;49(4):823–8
Clinical studies on human alveolar macrophages. II. Functions of alveolar macrophages collected by bronchoalveolar lavage. Shiota Y. **Nippon Ketsueki Gakkai Zasshi** 1987 Feb;50(1):79–88
Maturation sequence of macrophage colony-forming cells in mouse bone marrow. Tsurusawa M, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Sep;49(6):1164–74
Functional studies of alveolar macrophages. Voisin C. **Panminerva Med** 1986 Apr-Jun;28(2):133–6
Macrophage synthesis of nitrite, nitrate, and N-nitrosamines: precursors and role of the respiratory burst. Iyengar R, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6369–73
Oxidatively modified low density lipoproteins: a potential role in recruitment and retention of monocyte/macrophages during atherogenesis. Quinn MT, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2995–8
Monocyte migration explains the changes in macrophage arachidonate metabolism during the immune response. Tripp CS, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(24):9655–9
Poly(I):poly(C)-enhanced alveolar and peritoneal macrophage phagocytosis: quantification by a new method utilizing fluorescent beads. Burleson GR, et al. **Proc Soc Exp Biol Med** 1987 Apr;184(4):468–76

Evidence for a resorption inhibitor in dentin. Wedenberg C, et al. **Scand J Dent Res** 1987 Jun;95(3):205–11

The role of superoxide anion and lysosomal enzymes in anti-listerial activity of elicited peritoneal macrophages. Hashimoto S, et al. **Scand J Immunol** 1986 Oct;24(4):429–36

Interactions of Thermoactinomyces vulgaris and mouse alveolar macrophages. Loss of mitogenic activity and release of suppressive prostaglandins and interleu..in 1. Jägerroos HJ, et al. **Scand J Immunol** 1986 Oct;24(4):381–6

Determinant protection. A hypothesis for the activity of immune response genes in the processing and presentation of antigens by macrophages. Werdelin O.
Scand J Immunol 1986 Dec;24(6):625–36 (119 ref.)

Macrophage regulation of collagen deposition in granuloma tissue in vivo and the effect of prostaglandin E2. Parnham MJ, et al. **Scand J Rheumatol [Suppl]** 1981;40:72–4

Macrophage cytotoxicity: role for L-arginine deiminase and imino nitrogen oxidation to nitrite. Hibbs JB Jr, et al.
Science 1987 Jan 23;235(4787):473–6

Pertussis toxin inhibition of B cell and macrophage responses to bacterial lipopolysaccharide. Jakway JP, et al.
Science 1986 Nov 7;234(4777):743–6

Structural heterogeneity and functional domains of murine immunoglobulin G Fc receptors. Ravetch JV, et al.
Science 1986 Nov 7;234(4777):718–25

Phenotypic analysis of alveolar macrophages in normal subjects and in patients with interstitial lung disease. Campbell DA, et al. **Thorax** 1986 Jun;41(6):429–34

Induction of metallothionein by a macrophage factor and the partial characterization of the factor. Iijima Y, et al.
Toxicol Appl Pharmacol 1987 Jun 15;89(1):135–40

Histamine release from human basophils is induced by IgE-dependent factor(s) derived from human lung macrophages and an Fc epsilon receptor-positive human B cell line. Plaut M, et al. **Trans Assoc Am Physicians** 1985; 98:305–12

Effect of multiporous microspheres derived from chitin and partially deacetylated chitin on the activation of mouse peritoneal macrophages. Nishimura K, et al. **Vaccine** 1987 Jun;5(2):136–40

Alveolar macrophage characteristics: effect of repeated lavages on cell activity. Bielefeldt Ohmann H, et al.
Vet Immunol Immunopathol 1986 Dec;13(4):331–46

Interaction between Aeromonas salmonicida and peritoneal macrophages of brook trout (Salvelinus fontinalis). Olivier G, et al. **Vet Immunol Immunopathol** 1986 Jun; 12(1–4):223–34

The effects of interferons on macrophages and their precursors. Russell SW, et al.
Vet Immunol Immunopathol 1987 May;15(1–2):129–65 (194 ref.)

Functional evaluation of macrophages in fish from a polluted estuary. Weeks BA, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):313–20

[Influences of inflammatory macrophages on the proliferation of mouse tumor cells in vitro] Sun DM, et al.
Chung Hua Chung Liu Tsa Chih 1986 Jul;8(4):247–9 (Eng. Abstr.) **(Chi)**

[The role of macrophages on crescent formation and development in experimental nephrotoxic nephritis] Lan HY. **Chung-hua Ping Li Hsueh Tsa Chih** 1987 Mar; 16(1):56–9 **(Chi)**

[Interaction of nonactivated alveolar macrophages with thermoactinomyces vulgaris in vitro] Xing Z, et al.
Chung-hua Ping Li Hsueh Tsa Chih 1986 Dec;15(4):285–8 **(Chi)**

[The QSAR of diphenic acids in increasing macrophage phagocytosis] Gu RL, et al.
Hua Hsi I Ko Ta Hsueh Hsueh Pao 1986 Sep;17(3):224–7 (Eng. Abstr.) **(Chi)**

[Suppression of human natural killer (NK) cell activity by differentiated mature macrophages in vitro] Chang ZL, et al. **Shih Yen Sheng Wu Hsueh Pao** 1986 Jun;19(2):211–25 (Eng. Abstr.) **(Chi)**

[Spermatozoa, hormones and macrophages] Procházková Z, et al. **Cesk Gynekol** 1987 Mar;52(2):137–44 **(Cze)**

[Establishment of an experimental model for tumor cell invasion and potentiation and inhibition of the invasive capacity] Akedo H, et al. **Gan To Kagaku Ryoho** 1987 Jun; 14(6 Pt 2):2048–55 (Eng. Abstr.) **(Jpn)**

[A suppressive effect of PSK, a protein-bound polysaccharide preparation, on tumor growth: a new effect of PSK on cell motility] Katano M, et al.
Gan To Kagaku Ryoho 1987 Jul;14(7):2321–6 (Eng. Abstr.) **(Jpn)**

[Activation of macrophage function by OK-432 and its subcellular fractions] Yamamoto Y, et al.
Gan To Kagaku Ryoho 1987 Apr;14(4):1169–71 **(Jpn)**

[Macrophage-mediated induction of drug-resistance variants in a mouse mammary tumor cell line] Yamashina K.
Hokkaido Igaku Zasshi 1986 Jul;61(4):568–75 (Eng. Abstr.) **(Jpn)**

[Inflammation and production of monokines. Human defense tissue response—pre-inflammatory response and interstitial cells] Kyogoku M, et al. **Nippon Rinsho** 1987 May; 45(5):939–53 (30 ref.) **(Jpn)**

[Functional rearrangements in macrophages following intensive physical exercise] Voronina NP, et al.
Biull Eksp Biol Med 1987 Aug;104(8):207–9 (Eng. Abstr.) **(Rus)**

[Regulation of DNA synthesis in the heterokaryons of macrophages and cells immortalized by oncogenes] Gumeniuk RR, et al. **Dokl Akad Nauk SSSR** 1987 May-Jun;294(1):230–3 **(Rus)**

[Structuro-functional changes in macrophages during phagocytosis of hard coal particles] Kruglikov GG, et al.
Gig Tr Prof Zabol 1986 Oct;(10):20–4 (Eng. Abstr.) **(Rus)**

[Functional status of alveolar macrophages in different forms of chronic bronchitis during treatment] Trubnikov GV, et al. **Ter Arkh** 1987;59(3):66–70 (Eng. Abstr.) **(Rus)**

[Interaction in vitro of trophozoites of Entamoeba histolytica with macrophages from human colostrum] Rocha-Ramírez LM, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:307–12 (Eng. Abstr.) **(Spa)**

[The function of macrophages] Esparza I.
Med Clin (Barc) 1986 Oct 4;87(10):429–34 (101 ref.) **(Spa)**

[Mononuclear phagocytes in the resistance of mice to extraneural infection with Junin virus (letter)] Campetella OE, et al. **Medicina (B Aires)** 1985;45(5):596–8 **(Spa)**

PHYSIOPATHOLOGY

Isolation and characterization of macrophages from scrapie-infected mouse brain. Merz GS, et al.
Acta Neuropathol (Berl) 1987;72(3):240–7

RADIATION EFFECTS

Exposure to gamma-irradiation increases phorbol myristate acetate-induced H2O2 production in human macrophages. Gallin EK, et al. **Blood** 1987 Sep;70(3):694–701

Effect of UV irradiation on expression of membrane IL 1 by rat macrophages. Lange-Wantzin G, et al.
J Immunol 1987 Jun 1;138(11):3803–7

[Phagocytic activity of free pulmonary macrophages following gamma-irradiation] Fetisova LI.
Med Radiol (Mosk) 1987 May;32(5):74–6 **(Rus)**

SECRETION

Human alveolar macrophages secrete an inhibitor of metalloproteinase elastase. Albin RJ, et al.
Am Rev Respir Dis 1987 Jun;135(6):1281–5

Regulation of the secretion of lipoprotein lipase by mouse macrophages. Behr SR, et al. **Biochim Biophys Acta** 1986 Dec 19;889(3):346–54

Enhanced prostaglandin E2 and thromboxane B2 release from resident peritoneal macrophages isolated from morphine-dependent rats. Elliott GR, et al. **FEBS Lett** 1987 Jun 8;217(1):6–10

Conditioned medium from macrophage cell lines supports the single-cell growth of hybridomas. Rathjen DA, et al.
Hybridoma 1986 Fall;5(3):255–61

Secretion of interleukin 1/leucocytic pyrogen from endotoxin-stimulated human alveolar macrophages is unaffected by indomethacin. Eden E, et al.
Immunopharmacology 1986 Oct;12(2):81–8

Increased release of interleukin-1 from mouse peritoneal macrophages in vitro after cisplatin treatment. Gupta P, et al. **Int J Immunopharmacol** 1987;9(3):385–8

Oxidant-mediated epithelial cell injury in idiopathic pulmonary fibrosis. Cantin AM, et al. **J Clin Invest** 1987 Jun;79(6):1665–73

Secretory products of macrophages. Nathan CF.
J Clin Invest 1987 Feb;79(2):319–26 (220 ref.)

Secretion of lactic acid by peritoneal macrophages during extracellular phagocytosis. The possible role of local hyperacidity in inflammatory demyelination. Young PR, et al. **J Neuroimmunol** 1987 Jul-Aug;15(3):295–308

Growth factors in fibrotic diseases [editorial] Deuel TF, et al. **N Engl J Med** 1987 Jul 23;317(4):236–7

Exaggerated spontaneous release of platelet-derived growth factor by alveolar macrophages from patients with idiopathic pulmonary fibrosis. Martinet Y, et al.
N Engl J Med 1987 Jul 23;317(4):202–9

Expression and secretion of type beta transforming growth factor by activated human macrophages. Assoian RK, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6020–4

TRANSPLANTATION

The therapeutic use of peritoneal macrophages in infected leukaemic patients. Fakhri O, et al.
Eur J Cancer Clin Oncol 1987 Jan;23(1):13–8

ULTRASTRUCTURE

Subcorneal macrophages in the development of the anterior chamber in the chick. A study with light and scanning electron microscopy. Ambrosiani J, et al.
Acta Anat (Basel) 1987;128(4):322–5

Studies on internalization and intracellular localization of membrane DNA in mouse peritoneal macrophages, by means of lactoferrin-gold complex. Sudár F, et al.
Acta Histochem (Jena) 1986;80(1):13–8

Electron microscopy of macrophages obtained from bronchial lavage-fluid. Appel J, et al.
Acta Morphol Hung 1986;34(3):163–70

Ultrastructural studies on macrophages in trachoma biopsies. Nguyen KL, et al. **Ann Soc Belg Med Trop** 1986; 66(4):355–62

Experimental study on the fine structure of chicken liver parenchyme with special references to extrasinusoidal macrophages and sinusoidal blood cells. Part 2. Sinusoidal blood cells in normal and India ink perfused livers. Ohata M, et al. **Arch Histol Jpn** 1986 Jun;49(2):199–209

Effects of inhibitors of C1q biosynthesis on macrophage Fc receptor subclass-mediated antibody-dependent cellular cytotoxicity and phagocytosis. Mocharla R, et al.
Cell Immunol 1987 Mar;105(1):127–35

Exchange kinetics and composition of endocytic membranes in terms of plasma membrane constituents: a morphometric study in macrophages. de Chastellier C, et al.
Eur J Cell Biol 1987 Aug;44(1):112–23

Cell surface characteristics and DNA content of macrophages in murine bone marrow cultures. A study using simultaneous scanning electron microscopy and fluorescence microscopy. Wouters CH, et al.
Histochemistry 1987;86(4):433–6

Apocrine carcinoma of the breast containing foam cells. An electron microscopic and immunohistological study. Shousha S, et al. **Histopathology** 1987 Jun;11(6):611–20

Rapid procedure for preparation of macrophage plasma membrane. Shibata Y, et al. **Int J Biochem** 1987; 19(6):489–93

Ultracytochemical studies of lysosomal function in the macrophages of human leprosy—I. Bharadwaj VP, et al.
Int J Lepr Other Mycobact Dis 1987 Jun;55(2):328–32

Surgicel: macrophage processing of the fibrous component. Pierce A, et al. **Int J Oral Maxillofac Surg** 1987 Jun; 16(3):338–45

Ultrastructural study of GERL in beige mouse alveolar macrophages. Essner E, et al. **J Cell Biol** 1977 Nov;75(2 Pt 1):381–7

Immuno-scanning electron microscopy of macrophage cytoskeleton by using colloidal gold and backscattered electron imaging mode. Toyoshima S, et al.
J Electron Microsc (Tokyo) 1986;35(3):247–58

Ultrastructural studies on the effect of Triton WR-1339 on macrophage-mycobacteria interaction. Kondo E, et al.
Jpn J Med Sci Biol 1986 Apr;39(2):49–66

Morphologic analysis of the interactions between lymphocytic choriomeningitis virus-specific cloned cytotoxic T cells and virus infected targets. Patterson S, et al. **Lab Invest** 1987 Jul;57(1):29–36

The cytoskeleton of resident peritoneal mouse macrophages. de Souza W, et al. **Microsc Electron Biol Celular** 1985 Dec; 9(2):177–91

Tubular lysosome morphology and distribution within macrophages depend on the integrity of cytoplasmic microtubules. Swanson J, et al.
Proc Natl Acad Sci USA 1987 Apr;84(7):1921–5

Electron microscopy of Hofbauer cells after embedding with placental erythrocytes. Oliveira LH, et al.
Rev Bras Biol 1987 Feb-May;47(1–2):213–5

Fc and C3 receptor expression on human alveolar macrophages in sarcoidosis. Rottoli L, et al. **Sarcoidosis** 1984 Sep;1(1):55–9

The intermediate filament cytoskeleton of macrophages. Phaire-Washington L, et al. **Scanning Microsc** 1987 Jun; 1(2):775–82

Freeze-fracture features of epithelioid cells, multinucleated giant cells, and phagocytic macrophages. Investigations using the model of experimental autoimmune (anti-TBM) tubulo-interstitial nephritis. Baum HP, et al.
Virchows Arch [B] 1987;53(1):13–22

Macrophages in atretic process of maturing ovarian follicles in mouse. Kuryszko J, et al. **Z Mikrosk Anat Forsch** 1987; 101(2):212–20

[Effect of mononuclear cells in the early stage of experimental atherosclerosis] Xu CP.
Chung Hua Hsin Hsueh Kuan Ping Tsa Chih 1986 Dec; 14(6):354–5 **(Chi)**

[Ultrastructural study of the formation of cholesterol crystals in dental periapical lesions] Escola R, et al.
Bull Group Int Rech Sci Stomatol Odontol 1986 Oct-Dec; 294(3–4):129–40 (Eng. Abstr.) **(Fre)**

[Ultrastructural studies of the surface of pulmonary macrophages of guinea pigs exposed to cigarette smoke] Chyczewski L, et al. **Patol Pol** 1986 Apr-Jun;37(2):110–20 (Eng. Abstr.) **(Pol)**

[Morphologic and histochemical studies of chromolipid cytoplasmic inclusions in the pulmonary macrophages of guinea pigs after inhaling cigarette smoke] Chyczewski L, et al. **Patol Pol** 1986 Apr-Jun;37(2):121–30 (Eng. Abstr.) **(Pol)**

[Ultrastructural aspects of fibroblasts and macrophages during the healing process in the skin of rats] Simões M de J, et al. **Rev Paul Med** 1986 May-Jun;104(3):132–5 (Eng. Abstr.) **(Por)**

[Scanning electron microscopic method for studying the interaction of normal peritoneal macrophages with tumor cells] Rytenko AN, et al. **Eksp Onkol** 1986;8(6):52–7 (Eng. Abstr.) **(Rus)**

[Evaluation of conformational changes in the supercoiled DNA of eukaryotic cells by direct nucleoid fluorimetry. I. The comparative information value of various methods of studying structural disorders in the supercoiled DNA in thymocytes and macrophages] Vashchenko VI, et al.
Tsitologiia 1986 Jul;28(7):750–4 (Eng. Abstr.) **(Rus)**

MACROSOMIA, FETAL see **FETAL MACROSOMIA**

MACULA LUTEA

Subretinal hemorrhage during fluorescein angiography. Antoszyk AN, et al. **Am J Ophthalmol** 1987 Jan 15;

103(1):111–2
The prevalence of macular drusen in postmortem eyes [letter] Lewis H, et al. **Am J Ophthalmol** 1986 Dec 15;102(6):801–3
Maculopathy associated with combination chemotherapy and osmotic opening of the blood–brain barrier. Millay RH, et al. **Am J Ophthalmol** 1986 Nov 15;102(5):626–32
Contribution of vision variables to mobility in age-related maculopathy patients. Brown B, et al. **Am J Optom Physiol Opt** 1986 Sep;63(9):733–9
Posterior decompensation syndrome: macular failure versus senile macular degeneration. Havener WH, et al. **Ann Ophthalmol** 1986 Sep;18(9):271–2
Foveal diseases. Kraushar MF. **Ann Ophthalmol** 1986 Dec; 18(12):354–7
Macula hemorrhage during intraocular surgery. Tornambe PE. **Ann Ophthalmol** 1986 Oct;18(10):301–4
Macular geographic helicoid choroidopathy. Hardy RA, et al. **Arch Ophthalmol** 1987 Sep;105(9):1237–42
Light-induced maculopathy. Potential for recovery. Lindquist TD, et al. **Arch Ophthalmol** 1986 Nov; 104(11):1641–7
Quantification of diabetic macular edema. Smith RT, et al. **Arch Ophthalmol** 1987 Feb;105(2):218–22
Results and prognostic factors in vitrectomy for diabetic traction retinal detachment of the macula. Thompson JT, et al. **Arch Ophthalmol** 1987 Apr;105(4):497–502
Light-induced maculopathy [letter] Tysinger JW Jr. **Arch Ophthalmol** 1987 May;105(5):613–4
Medical conditions in patients with diabetic maculopathy. Lawson PM, et al. **Diabetic Med** 1985 Jul;2(4):245–50
Delayed visual evoked potentials are independent of pattern orientation in macular disease. Bodis-Wollner I, et al. **Electroencephalogr Clin Neurophysiol** 1987 May;68(3):172–9
Vitreous cortex remnants at the fovea after spontaneous vitreous detachment. Kishi S, et al. **Int Ophthalmol** 1986 Dec;9(4):253–60
'Idiopathic' preretinal macular fibrosis in young individuals. Laatikainen L, et al. **Int Ophthalmol** 1987 Feb;10(1):11–4
Review of choroidal osteoma: successful krypton red laser photocoagulation of an associated subretinal neovascular membrane involving the fovea. Morrison DL, et al. **Ophthalmic Surg** 1987 Apr;18(4):299–303
Diabetic macular edema. A review. Bresnick GH. **Ophthalmology** 1986 Jul;93(7):989–97
A comparison of visual function tests in eyes with maculopathy. Fish GE, et al. **Ophthalmology** 1986 Sep; 93(9):1177–82
Acute posterior multifocal placoid pigment epitheliopathy and late-onset meningo-encephalitis. Kersten DH, et al. **Ophthalmology** 1987 Apr;94(4):393–6
Wavelength selection in macular photocoagulation. Tissue optics, thermal effects, and laser systems. Mainster MA. **Ophthalmology** 1986 Jul;93(7):952–8
Macular halos associated with Niemann–Pick type B disease. Matthews JD, et al. **Ophthalmology** 1986 Jul;93(7):933–7
Uveal melanomas near the optic disc or fovea. Visual results after proton beam irradiation. Seddon JM, et al. **Ophthalmology** 1987 Apr;94(4):354–61
Fluorescein angiography. Practical role in the office management of macular diseases. Singerman LJ. **Ophthalmology** 1986 Sep;93(9):1209–15
Histology of macular photocoagulation. Swartz M. **Ophthalmology** 1986 Jul;93(7):959–63
Type A behavior and central serous chorioretinopathy. Yannuzzi LA. **Trans Am Ophthalmol Soc** 1986;84:799–845
Aphakic and pseudophakic cystoid macular edema: perifoveal hemorrhages. Goldberg RE, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(2):498–501
[Acute macular syndromes] Gilson M. **Bull Soc Belge Ophtalmol** 1986;217:107–22 (Eng. Abstr.) **(Fre)**
[Maculopathy with golden paillettes] Audouy D, et al. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):191–3 (Eng. Abstr.) **(Fre)**
[Why should the term diabetic maculopathy be rejected?] Haut J, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep; 86(8–9):1003–4 **(Fre)**
[Primary fovea edema and secondary fovea edema: a physiopathological approach to edematous diabetic retinopathy] Haut J, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep;86(8–9):1001–2 **(Fre)**
[Disciform maculopathy—a late complication of retinal dystrophy in congenital rubella infection] Menne K, et al. **Fortschr Ophthalmol** 1986;83(5):615–6 (Eng. Abstr.) **(Ger)**
[Nuclear spin tomography of morning glory syndrome with macular serous retinal detachment.] Köhler U. **Ophthalmologica** 1987;194(4):169–73 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Idiopathic sub-retinal neovascular membranes in the macula (hemorrhagic macular choroidopathy of young adults). Clinical report and effectiveness of laser treatment. Bottoni FG, et al. **Doc Ophthalmol** 1986;64(3):311–43
The effect of acute hyperglycemia on flow velocity in the macular capillaries. Fallon TJ, et al. **Invest Ophthalmol Vis Sci** 1987 Jun;28(6):1027–30
Relation between superficial capillaries and foveal structures in the human retina. Iwasaki M, et al. **Invest Ophthalmol Vis Sci** 1986 Dec;27(12):1698–705
Treatment of juxtafoveal and parafoveal neovascular membranes with monochromatic green argon photocoagulation: green laser. Orellana J, et al. **Ophthalmologica** 1987;194(1):19–26
Spontaneous resolution of idiopathic foveal subretinal neovascularization with preservation of vision. Roy MS, et al. **Ophthalmologica** 1987;194(2–3):106–10
Choroideremia associated with a subretinal neovascular membrane. Case report. Robinson D, et al. **Retina** 1987 Summer;7(2):70–4
[Diabetic maculopathy. Spontaneous course] Chaine G, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep;86(8–9):993–4, 997–1000 **(Fre)**
[The venous macular vessel] Schneider T, et al. **Fortschr Ophthalmol** 1986;83(5):609–10 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

[Fansidar-induced maculopathy and dermatitis exfoliativa] Elsås T, et al. **Tidsskr Nor Laegeforen** 1987 May 20; 107(14):1231–2 (Eng. Abstr.) **(Nor)**

INJURIES

Light-induced maculopathy following penetrating keratoplasty and lens implantation [letter] Cech JM, et al. **Arch Ophthalmol** 1987 Jun;105(6):751
Photic maculopathy by arc welding. A case report. Cellini M, et al. **Int Ophthalmol** 1987 Jun;10(3):157–9
[Macular photoinjury caused by a welding arc on an eye with an implant] Turut P, et al. **Bull Soc Ophtalmol Fr** 1986 Jun–Jul;86(6–7):857–9 (Eng. Abstr.) **(Fre)**
[Surgical results in retinal detachments with macular rupture] Zakharov VD, et al. **Vestn Oftalmol** 1987 May–Jun; 103(3):38–41 (Eng. Abstr.) **(Rus)**

METABOLISM

Isolated exudative maculopathy in retinitis pigmentosa. Schubert HD, et al. **Am J Ophthalmol** 1987 Jun 15; 103(6):834–5
Basal linear deposit in the human macula. Löffler KU, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(6):493–501
Density of foveal cone pigments at older age. Keunen JE, et al. **Invest Ophthalmol Vis Sci** 1987 Jun;28(6):985–91
Aging and human macular pigment density. Appended with translations from the work of Max Schultze and Ewald Hering. Werner JS, et al. **Vision Res** 1987;27(2):257–68

PATHOLOGY

Macular hemorrhages associated with posterior vitreous detachment. Schachat AP, et al. **Am J Ophthalmol** 1986 Nov 15;102(5):647–9
Epiretinal membranes in sickle cell disease. Moriarty BJ, et al. **Br J Ophthalmol** 1987 Jun;71(6):466–9
Macular alterations secondary to intraocular inflammatory disease. Nussenblatt RB. **Ophthalmology** 1986 Jul; 93(7):984–8
The management of rhegmatogenous retinal detachment with macula detached: steroids, choroidal detachment, and acuity [letter] Snyder WB. **Ophthalmology** 1987 May; 94(5):584
Management of rhegmatogenous retinal detachment with macula detached. Steroids, choroidal detachment, and acuity. Valone J Jr, et al. **Ophthalmology** 1986 Nov; 93(11):1413–7
[Epiretinal macular proliferation] Rencová E. **Cesk Oftalmol** 1987 May;43(3):173–81 (Eng. Abstr.) **(Cze)**
[A new case of gold-dust maculopathy] Franco JL, et al. **Bull Soc Ophtalmol Fr** 1985 Oct;85(10):1035–7 (Eng. Abstr.) **(Fre)**
[Serous detachment of the macula in choroidal nevi] François P, et al. **Bull Soc Ophtalmol Fr** 1986 Feb;86(2):197–8, 203–6 (Eng. Abstr.) **(Fre)**
[Preretinal macular fibrosis and venous occlusion] Tapiero B, et al. **Bull Soc Ophtalmol Fr** 1986 Dec;86(12):1539–40, 1543–7 **(Fre)**

PHYSIOLOGY

Voluntary control of attention near the fovea. Juola JF, et al. **Acta Psychol (Amst)** 1987 Mar;64(3):207–17
Directional pursuit deficits following lesions of the foveal representation within the superior temporal sulcus of the macaque monkey. Dürsteler MR, et al. **J Neurophysiol** 1987 May;57(5):1262–87
Comparison of perceived spatial frequency between the fovea and the periphery. Davis ET, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1606–11
Two-dot vernier discrimination within 2.0 degrees of the foveal center. Groll SL, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1535–42
Spatial-interval discrimination in the human fovea: what delimits the interval? Levi DM, et al. **J Opt Soc Am [A]** 1987 Jul;4(7):1304–13
Smooth frequency discrimination functions for foveal, high-contrast, mid spatial frequencies. Mayer MJ, et al. **J Opt Soc Am [A]** 1986 Nov;3(11):1957–69
Aliasing in the parafovea with incoherent light. Smith RA, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1530–4
Influence of contrast on foveal and peripheral detection of coherent motion in moving random-dot patterns. van de Grind WA, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1643–52
Peripheral hyperacuity: isoeccentric bisection is better than radial bisection. Yap YL, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1562–7
Two-pulse temporal integration functions in the fovea and peripheral retina. Gottlieb MD, et al. **Percept Mot Skills** 1987 Apr;64(2):343–54
[Retinal electrophysiology. Study of the macula] Dalens H, et al. **J Fr Ophtalmol** 1986;9(6–7):493–503 (44 ref.) **(Fre)**

PHYSIOPATHOLOGY

Micropsia and metamorphopsia in the re-attached macula following retinal detachment. Sjöstrand J, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):425–32
Foveal cone pigments and sensitivity in young patients with Usher's syndrome [published erratum appears in Am J Ophthalmol 1987 Jul 15;104(1):98] Fulton AB, et al. **Am J Ophthalmol** 1987 Feb 15;103(2):150–60
Delayed, incomplete recovery of macular function after photic retinal damage associated with extracapsular cataract extraction and posterior lens insertion. Case report. Hupp SL. **Arch Ophthalmol** 1987 Aug;105(8):1022–3
Local macular ERG in patients with Best's disease. Horiguchi M, et al. **Doc Ophthalmol** 1986 Nov 15;63(4):325–31
Macular electroretinograms and contrast sensitivity as sensitive detectors of early maculopathy. Vaegan, et al. **Doc Ophthalmol** 1986 Nov 15;63(4):399–406
Abnormal foveal spectral sensitivity in retinitis pigmentosa. Alexander KR, et al. **Invest Ophthalmol Vis Sci** 1987 Apr; 28(4):725–30
Reading with a macular scotoma. II. Retinal locus for scanning text. Timberlake GT, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1268–74
[Correlation between foveal dysfunction and retinal nerve fiber atrophy in early to middle stage of glaucoma] Tamura S, et al. **Nippon Ganka Gakkai Zasshi** 1986 Nov; 90(11):1407–16 (Eng. Abstr.) **(Jpn)**
[Evaluation of macular function in patients with diabetic retinopathy] Mirkiewicz-Sieradzka B, et al. **Klin Oczna** 1986 Jun;88(6):209–11 (Eng. Abstr.) **(Pol)**

SURGERY

Photocoagulation for diabetic macular edema [letter] Aiello LM, et al. **Arch Ophthalmol** 1987 Sep;105(9):1163
The treatment of diabetic maculopathy by argon laser photocoagulation. Grey RH. **Trans Ophthalmol Soc UK** 1986;105 (Pt 4):424–9
[Therapy of preretinal macular hemorrhages] Kroll P, et al. **Klin Monatsbl Augenheilkd** 1986 Jun;188(6):610–2 (Eng. Abstr.) **(Ger)**

MACULAE, ACOUSTIC see under **SACCULE AND UTRICLE**

MACULAR DEGENERATION

BLOOD

Macular degeneration and elevated serum ceruloplasmin. Newsome DA, et al. **Invest Ophthalmol Vis Sci** 1986 Dec; 27(12):1675–80

COMPLICATIONS

Massive hemorrhage complicating age-related macular degeneration. Clinicopathologic correlation and role of anticoagulants. el Baba F, et al. **Ophthalmology** 1986 Dec; 93(12):1581–92
[Photocoagulation with krypton laser of subretinal vessels in macular degeneration related to age. Long-term results (apropos of 100 cases)] Coscas G, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):257–8, 261–2 **(Fre)**
[Initial results of the treatment of macular subretinal neovessels with krypton laser] Gonzales C, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):251–2, 255–6 **(Fre)**
[Randomized study of the photocoagulation with blue–green argon laser in subretinal neovascularization of senile macular degeneration. 5-year follow-up] Soubrane G, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):249–50 **(Fre)**
[Subretinal neovessels of senile macular degeneration: treatment of recurrence and limitations of photocoagulation] Soubrane G, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):263–4, 267–9 **(Fre)**
[Spontaneous course of subretinal neovessels in vitelliform degeneration of the macula] Turut P, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):299–301 **(Fre)**
[Is cataract surgery with posterior chamber lens in patients with senile maculopathy worthwhile?] Pavlovic M, et al. **Fortschr Ophthalmol** 1987;84(1):83–5 (Eng. Abstr.) **(Ger)**
[Features of the state of the hemodynamics and hydrodynamics of the eyes of patients with glaucoma and glaucoma associated with macular dystrophy] Cherkasov IS, et al. **Oftalmol Zh** 1986;(8):476–8 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Vision loss in age-related maculopathy: primary care referral guide. Smith-Brewer S, et al. **Geriatrics** 1987 Sep; 42(9):99–103, 106
[Vitelliform degeneration of the macula. Polymorphism and unusual aspects of the advanced stages] Giovannini A, et

al. **Bull Mem Soc Fr Ophtalmol** 1986;97:279–84 (Fre)
[Serous raising of the pigment epithelium by turbid fluid] Malthieu D, et al. **Bull Mem Soc Fr Ophtalmol** 1986; 97:296–8 (Fre)
[Fundus changes in hyperlipidemia] Egerer I, et al. **Klin Monatsbl Augenheilkd** 1986 Nov;189(5):394–5 (Eng. Abstr.) (Ger)
[Diagnosis of so-called exudative macular degeneration] Starzycka M, et al. **Klin Oczna** 1986 Jun;88(6):212–4 (Eng. Abstr.) (Pol)

DRUG THERAPY

[Controlled clinical study of Novodil in the treatment of senile macular lesions] Delafoulhouje C, et al. **Bull Soc Ophtalmol Fr** 1985 Oct;85(10):1065–7 (Eng. Abstr.) (Fre)
[Treatment of senile macular degeneration with Ginkgo biloba extract. A preliminary double-blind drug vs. placebo study] Lebuisson DA, et al. **Presse Med** 1986 Sep 25; 15(31):1556–8 (Eng. Abstr.) (Fre)
[Therapy of degenerative maculopathy with Cosaldon A + E] Flamm P. **Klin Monatsbl Augenheilkd** 1987 Jan; 190(1):59–66 (Eng. Abstr.) (Ger)
[Treatment of senile maculopathy with etaretin] Varga M, et al. **Klin Monatsbl Augenheilkd** 1986 Jun;188(6):622–4 (Eng. Abstr.) (Ger)

ENZYMOLOGY

Lysosomal enzyme cytochemistry of human RPE, Bruch's membrane and drusen. Feeney-Burns L, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1138–47

ETIOLOGY

Posterior decompensation syndrome: macular failure versus senile macular degeneration. Havener WH, et al. **Ann Ophthalmol** 1986 Sep;18(9):271–2
Age-related macular degeneration. Murphy RP. **Ophthalmology** 1986 Jul;93(7):969–71
Senile cataract and senile macular degeneration: an investigation into possible risk factors. Gibson JM, et al. **Trans Ophthalmol Soc UK** 1986;105 (Pt 4):463–8

FAMILIAL & GENETIC

Hereditary vitelliform macular dystrophy. Godel V, et al. **Aust N Z J Ophthalmol** 1986 Aug;14(3):221–8
Autosomally inherited recessive spastic ataxia, macular corneal dystrophy, congenital cataracts, myopia and vertically oval temporally tilted discs. Report of a Bedouin family—a new syndrome. Mousa AR, et al. **J Neurol Sci** 1986 Nov;76(1):105–21
Stargardt's disease and fundus flavimaculatus: evaluation of morphologic progression and intrafamilial co-existence. Aaberg TM. **Trans Am Ophthalmol Soc** 1986;84:453–87
[Vitelliform dystrophy: study of 2 familial forms] Godard G, et al. **J Fr Ophtalmol** 1986;9(11):717–23 (Eng. Abstr.) (Fre)

METABOLISM

Vitreous fluorophotometry in patients with senile macular degeneration. Merin S, et al. **Invest Ophthalmol Vis Sci** 1987 Apr;28(4):756–9

PATHOLOGY

Age-related macular degeneration: ultrastructural studies of the relationship of leucocytes to angiogenesis. Penfold PL, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(1):70–6
Macular disease resembling adult foveomacular vitelliform dystrophy in older adults. Burgess DB, et al. **Ophthalmology** 1987 Apr;94(4):362–6
Evaluation of risk factors for the development of age-related maculopathy (ARM) [letter] Diener-West M. **Ophthalmology** 1987 Jan;94(1):92–4
Drusen measurement from fundus photographs using computer image analysis. Peli E, et al. **Ophthalmology** 1986 Dec;93(12):1575–80
[Vitelliform disks and choroidal neovascularization] Bernard JA, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:290–2 (Fre)
[Multiple lesions of the retinal pigment epithelium and the neuroepithelium associated with macular degeneration with a vitelliform appearance] Brancato R, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:293–5 (Fre)
[Vision aids for patients with senile exudative macular degeneration. Comparison of spontaneous fibrovascular scars and scotomas induced by photocoagulation] Beuchat L, et al. **Ophthalmologica** 1986;193(3):135–42 (Eng. Abstr.) (Fre)

PHYSIOPATHOLOGY

Pathophysiology of age-related macular degeneration. Young RW. **Surv Ophthalmol** 1987 Mar-Apr;31(5):291–306 (150 ref.)
The early natural history of subfoveal neovascular membranes in eyes with age-related macular degeneration. Walsh AW, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(2):495–7
Visual analysis of patients with bilateral proliferative macular degeneration. Wright F, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(1):336–9
[Senile macular degeneration] Dosso A. **Schweiz Rundsch Med Prax** 1987 Mar 10;76(11):267–9 (Eng. Abstr.) (Fre)
[Various aspects of senile macular degeneration] Klara PS. **Rev Chir [Oftalmol]** 1987 Apr-Jun;31(2):105–7 (Eng. Abstr.) (Rum)

SURGERY

Long-term follow-up of photocoagulated choroidal neovascular membranes in age-related macular degeneration. Jalkh AE, et al. **Ophthalmic Surg** 1987 Jun; 18(6):419–22
Treatment of juxtafoveal and parafoveal neovascular membranes with monochromatic green argon photocoagulation: green laser. Orellana J, et al. **Ophthalmologica** 1987;194(1):19–26
Clinicopathologic correlation of krypton and argon laser photocoagulation in a patient with a subfoveal choroidal neovascular membrane. Guyer DR, et al. **Retina** 1986 Summer-Fall;6(3):157–63
Contact lens filter for macular photocoagulation with monochromatic green argon laser. Sternberg P Jr, et al. **Retina** 1986 Summer-Fall;6(3):164–8
Krypton red laser photocoagulation of subfoveal neovascular membranes: a follow-up of vision parameter data. Nuss RC, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986; 38(1):340–6
[At what point should senile macular degeneration be treated?] Haut J, et al. **Bull Soc Ophtalmol Fr** 1987 Feb; 87(2):271–3 (Fre)
[Laser coagulations of subretinal vascular proliferations in exudative macular degeneration] Kröncke W, et al. **Fortschr Ophthalmol** 1986;83(5):611–4 (Eng. Abstr.) (Ger)
[Laser treatment of diabetic maculopathy] Giovannini A, et al. **Klin Monatsbl Augenheilkd** 1986 Nov;189(5):358 (Eng. Abstr.) (Ger)
[Simultaneous fluo-angioscope: a method for laser treatment close to the macula] Jean B, et al. **Klin Monatsbl Augenheilkd** 1986 Sep;189(3):258–9 (Eng. Abstr.) (Ger)
[Surgical results in retinal detachments with macular rupture] Zakharov VD, et al. **Vestn Oftalmol** 1987 Mar-Apr; 103(2):15–8 (Rus)

THERAPY

[Phonoelectrophoresis in diseases of the posterior segment of the eye using a new device] Tsok RM, et al. **Oftalmol Zh** 1986;(4):210–1 (Eng. Abstr.) (Rus)

MACULAR EDEMA, CYSTOID

COMPLICATIONS

Aphakic and pseudophakic cystoid macular edema: perifoveal hemorrhages. Goldberg RE, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(2):498–501

DIAGNOSIS

Macular edema in association with severe carotid artery obstruction. Brown GC. **Am J Ophthalmol** 1986 Oct 15; 102(4):442–8
[Changes in the posterior pole in the angiographic picture of inflammation of the pars plana ring of the ciliary body] Cieślińska K, et al. **Klin Oczna** 1986 Jun;88(6):207–8 (Eng. Abstr.) (Pol)
[Electrophysiologic diagnosis and pathogenesis of macular edema] Mironova EM, et al. **Oftalmol Zh** 1987;(1):21–4 (Eng. Abstr.) (Rus)

DRUG THERAPY

Effectiveness of ketorolac tromethamine 0.5% ophthalmic solution for chronic aphakic and pseudophakic cystoid macular edema. Flach AJ, et al. **Am J Ophthalmol** 1987 Apr 15;103(4):479–86

ETIOLOGY

Hyperbaric oxygen treatment for chronic cystoid macular edema after branch retinal vein occlusion. Ogura Y, et al. **Am J Ophthalmol** 1987 Sep 15;104(3):301–2
Clinical cystoid macular edema with intracapsular cataract extraction and posterior chamber lens implantation. Severin SL. **Ann Ophthalmol** 1983 Jul;15(7):631–3
Cystoid macular edema following corneal-relaxing incisions. Carter J, et al. **Arch Ophthalmol** 1987 Jan;105(1):70–2
Cystoid macular edema and corneal-relaxing incisions [letter] Dulaney DD. **Arch Ophthalmol** 1987 Jun;105(6):742–3
Occurrence of cystoid macular edema after Q switched Nd Y.A.G. laser capsulotomy. Herzeel R, et al. **Bull Soc Belge Ophtalmol** 1985;214:45–51
Long-standing venous stasis retinopathy with resultant cystoid macular edema. Brough GH, et al. **J Am Optom Assoc** 1987 May;58(5):423–5
Pseudophakic cystoid macular edema with the Severin lens. McConnell JM, et al. **J Cataract Refract Surg** 1986 Sep; 12(5):499–501
A prospective study of cystoid macular edema after neodymium: YAG laser posterior capsulotomy. Lewis H, et al. **Ophthalmology** 1987 May;94(5):478–82
[Inflammatory complications and anterior chamber implants after intracapsular extraction of the crystalline lens] Chauvaud D, et al. **Bull Soc Ophtalmol Fr** 1986 Jun-Jul; 86(6-7):771–2, 775 (Fre)
[Acute edematous capillaropathies in insulin-dependent diabetics] Saudax E, et al. **Bull Soc Ophtalmol Fr** 1986 May; 86(5):711–4 (Eng. Abstr.) (Fre)
[Macular manifestations of monoclonal dysgammaglobulinemias. Apropos of 3 cases] Bernard A, et al. **J Fr Ophtalmol** 1986;9(12):805–10 (Eng. Abstr.) (Fre)

FAMILIAL & GENETIC

Retinal degeneration with nanophthalmos, cystic macular degeneration, and angle closure glaucoma. A new recessive syndrome. MacKay CJ, et al. **Arch Ophthalmol** 1987 Mar; 105(3):366–71

PATHOLOGY

Changes in the retinal pigment epithelium associated with cystoid macular edema. Finkelstein D, et al. **Trans Am Ophthalmol Soc** 1986;84:293–303

PHYSIOPATHOLOGY

Electrophysiological assessment of aphakic cystoid macular oedema. Salzman J, et al. **Br J Ophthalmol** 1986 Nov; 70(11):819–24

PREVENTION & CONTROL

[Spontaneous improvement of diabetic macular edema: apropos of a clinical case] Segal A, et al. **Bull Soc Ophtalmol Fr** 1986 May;86(5):705–6, 709–10 (Eng. Abstr.) (Fre)

RADIOTHERAPY

Modified grid argon (blue-green) laser photocoagulation for diffuse diabetic macular edema. Olk RJ. **Ophthalmology** 1986 Jul;93(7):938–50

SURGERY

Grid photocoagulation for macular edema in patients with retinitis pigmentosa [letter] Heckenlively JR. **Am J Ophthalmol** 1987 Jul 15;104(1):94–5
Grid photocoagulation for macular edema in patients with retinitis pigmentosa. Newsome DA, et al. **Am J Ophthalmol** 1987 Feb 15;103(2):161–6
Diabetic macular edema. A review. Bresnick GH. **Ophthalmology** 1986 Jul;93(7):989–97
Argon laser photocoagulation for macular edema in branch vein occlusion. Finkelstein D. **Ophthalmology** 1986 Jul; 93(7):975–7
[Treatment of cystoid edema of the macula with krypton laser in retinal vein occlusions] Malthieu D, et al. **Bull Soc Ophtalmol Fr** 1986 Jun-Jul;86(6-7):889–91 (Eng. Abstr.) (Fre)
[Late evaluation of holes and cystoid degeneration of the macula] Orzel H, et al. **Klin Oczna** 1986 Jun;88(6):204–6 (Eng. Abstr.) (Pol)

THERAPY

Preliminary report on the effect of hyperbaric oxygen on cystoid macular edema. Pfoff DS, et al. **J Cataract Refract Surg** 1987 Mar;13(2):136–40

MACULAR HOLES see **RETINAL PERFORATIONS**

MADURELLA see **HYPHOMYCETES**

MADUROMYCOSIS

Mycetoma in Saudi Arabia. Bendl BJ, et al. **J Trop Med Hyg** 1987 Apr;90(2):51–9
Actinomycetoma caused by Rhodococcus spp. Severo LC, et al. **Mycopathologia** 1987 Jun;98(3):129–31

COMPLICATIONS

Actinomycetoma of the mandibular region causing ankylosis. Elbeshir EI, et al. **Br J Oral Maxillofac Surg** 1987 Jun; 25(3):256–60
Temporomandibular joint ankylosis due to Maduromycetoma caused by Madurella mycetomy. Yagi KI, et al. **J Oral Med** 1983 Apr-Jun;38(2):71–3
Pseudallescheria boydii arthritis and osteomyelitis in a patient with Cushing's disease. Ansari RA, et al. **South Med J** 1987 Jan;80(1):90–2

DIAGNOSIS

[Madura foot] Heilesen AM, et al. **Ugeskr Laeger** 1987 Feb 23;149(9):596–7 (Eng. Abstr.) (Dan)
[Recurrence of a mycetoma due to Actinomadura madurae with visceral and lymph node involvement] Develoux M, et al. **Ann Dermatol Venereol** 1986;113(5):455–7 (Fre)

ETIOLOGY

Actinomycetoma caused by Streptomyces somaliensis [letter] Borelli D, et al. **Arch Dermatol** 1986 Oct;122(10):1097–8
Studies on the pathogenesis of actinomycotic mycetoma in animals injected with fractions isolated from Nocardia brasiliensis. Ekizlerian SM, et al. **Br J Exp Pathol** 1987

Feb;68(1):115–23
Mycetoma due to Exophiala jeanselmei (a case report with description of the fungus). Hemashettar BM, et al. **Indian J Pathol Microbiol** 1986 Jan;29(1):75–8
Mycetoma due to Nocardia caviae. Saúl A, et al. **Int J Dermatol** 1987 Apr;26(3):174–7
Multiple mycetomas due to Pseudallescheria boydii. Chaudhary BA, et al. **South Med J** 1987 May;80(5):653–4

IMMUNOLOGY

Leucocyte chemotaxis to mycetoma agents—the effect of the antifungal drugs griseofulvin and ketoconazole. Yousif MA, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):319–21

MICROBIOLOGY

The ultrastructure of actinomycetoma grains caused by Streptomyces somaliensis. Nasher M, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):174–9
Actinomycetoma caused by Nocardiopsis dassonvillei [letter] Ajello L, et al. **Arch Dermatol** 1987 Apr;123(4):426
A case of mycetoma caused by Scopulariopsis maduromycosis. Wang DL, et al. **Chin Med J [Engl]** 1986 May;99(5):376–8
Fusarium moniliforme, a new mycetoma agent. Restudy of a European case. Ajello L, et al. **Eur J Epidemiol** 1985 Mar;1(1):5–10
Ultrastructural and immunogenic changes in the formation of mycetoma grains. Wethered DB, et al. **J Med Vet Mycol** 1987 Feb;25(1):39–46

OCCURRENCE

[Epidemiologic study of mycetomas in Mexico. Apropos of 502 cases] Buot G, et al. **Bull Soc Pathol Exot Filiales** 1987; 80(3):329–39 (Eng. Abstr.) **(Fre)**
[Actinomycotic mycetomas in Rio Grande do Sul—report of 4 cases] Londero AT, et al. **Mem Inst Oswaldo Cruz** 1986 Jan–Mar;81(1):73–7 **(Por)**

PATHOLOGY

Pseudoallescheria boydii soft tissue abscess. Sheftel TG, et al. **Clin Orthop** 1987 Feb;(215):212–6
A clinico-pathological study of actinomycotic mycetomas caused by Actinomadura madurae and Actinomadura pelletierii. Kamalam A, et al. **Mycopathologia** 1987 Mar; 97(3):151–63
Mycetoma of the scalp: report of a case. Anim JT, et al. **Trans R Soc Trop Med Hyg** 1986;80(3):412–4

RADIOGRAPHY

Cranial and epidural mycetoma caused by streptomyces somaliensis. Naim-Ur-Rahman, et al. **Neuroradiology** 1987; 29(1):95–7

SURGERY

[Actual treatment of fungus mycetoma: interest in associating ketoconazole and conservative surgery] Andreu JM. **Med Trop (Mars)** 1986 Jul–Sep;46(3):293–7 (Eng. Abstr.) **(Fre)**
[Surgical therapy in African mycetoma. Indications a propos of 160 cases] Audoin J, et al. **Med Trop (Mars)** 1986 Jul–Sep;46(3):283–92 (Eng. Abstr.) **(Fre)**

THERAPY

[Bacterial sterilization of Madura foot caused by Nocardia asteroides (letter)] Bonafé JL, et al. **Presse Med** 1987 Apr 4;16(12):586 **(Fre)**

VETERINARY

Actinomycotic mycetoma in a cat. Reinke SI, et al. **J Am Vet Med Assoc** 1986 Aug 15;189(4):446–8
Aspergillus terreus as a possible cause of mycetoma on the foot of a dog. Pal M, et al. **Mykosen** 1987 Apr;30(4):172–4

MAEDI see **PNEUMONIA, PROGRESSIVE INTERSTITIAL, OF SHEEP**

MAEDI VIRUS see **VISNA-MAEDI VIRUSES**

MAFENIDE see under **SULFONAMIDES**

MAGENTAS see **ROSANILINE DYES**

MAGIC

Magic and psychiatric commitment in India. Meštrović SG. **Int J Law Psychiatry** 1986;9(4):431–49
The feminine in witchcraft: Part I. Bührmann MV. **J Anal Psychol** 1987 Apr;32(2):139–56 concl
Hydrocarbon pneumonitis—a hazard in fire-eaters [letter] Agrawal PK, et al. **J Assoc Physicians India** 1986 Oct; 34(10):752
Mouse therapy and religion, magic, hygiene, geography. Bloch H. **J Natl Med Assoc** 1986 Oct;78(10):1001–3
"Everyone who dreams has a bit of shaman": cultural and personal meanings of dreams—evidence from the Amazon. Kracke WH. **Psychiatr J Univ Ottawa** 1987 Jun;12(2):65–72
Cacodemonomania. Salmons PH, et al. **Psychiatry** 1987 Feb; 50(1):50–4
Demonic possession and mental disorder in medieval and early modern Europe. Kemp S, et al. **Psychol Med** 1987 Feb;17(1):21–9
Amakhosi—possible unexplored category of supernatural experience among the Xhosa [letter] Fisher DI. **S Afr Med J** 1986 Dec 20;70(13):846–7
Fear of sorcery and the problem of death by suggestion. Lewis G. **Soc Sci Med** 1987;24(12):997–1010
Tetrodotoxin and the Haitian zombie [letter] Yasumoto T, et al. **Toxicon** 1986;24(8):747–9
[Children engaged in witchcraft] Mečíř J. **Cesk Psychiatr** 1987 Feb;83(1):46–50 **(Cze)**
[Philosophical conditions of the relation between medicine and natural magic and astrology in the 15th and 16th centuries] Dobrowolski JA. **Arch Hist Filoz Med** 1986; 49(3):307–18 (Eng. Abstr.) **(Pol)**

MAGNESIUM

Carminative property of peppermint in magnesium trisilicate mixture, BP [letter] Robson NJ. **Anaesthesia** 1987 Jul; 42(7):776–7
Free radicals and cardioplegia: allopurinol and oxypurinol reduce myocardial injury following ischemic arrest. Chambers DJ, et al. **Ann Thorac Surg** 1987 Sep;44(3):291–7
Solubility of palmitoyl-coenzyme A in acyltransferase assay buffers containing magnesium ions. Constantinides PP, et al. **Arch Biochem Biophys** 1986 Oct;250(1):267–70
A proton magnetic resonance study of the effects of polyamine and divalent metal ions on diadenosine 5',5'''-P1,P4-tetraphosphate base stacking. Westkaemper RB. **Biochem Biophys Res Commun** 1987 Apr 29; 144(2):922–9
The binding of Mg(II) and Ni(II) to synthetic polynucleotides. Diebler H, et al. **Biophys Chem** 1987 May 9;26(2–3):193–205
Analysis of plasma lipoproteins by ultracentrifugation in a new fixed angle rotor: evaluation of a phosphotungstic acid/MgCl2 precipitation and a quantitative lipoprotein electrophoresis assay. März W, et al. **Clin Chim Acta** 1986 Oct 15;160(1):1–18
Proton and phosphorus-31 NMR study of the dependence of diadenosine tetraphosphate conformation on metal ions. Kolodny NH, et al. **J Biol Chem** 1986 Nov 5; 261(31):14571–5
Catalysis of the dephosphorylation of an ATP-molybdate complex by calcium and magnesium ions. Jenkins WT, et al. **J Inorg Biochem** 1986 Jul;27(3):163–72
Estimation of apparent quadrupolar coupling constants for complexes of magnesium ions with mono- and dicarboxylic acid ligands. Applications to magnesium ion: protein interactions. Koehler LS, et al. **J Inorg Biochem** 1987 Feb; 29(2):153–64
Myocardial protection in the neonatal heart. A comparison of topical hypothermia and crystalloid and blood cardioplegic solutions. Corno AF, et al. **J Thorac Cardiovasc Surg** 1987 Feb;93(2):163–72
The St. Thomas' Hospital cardioplegic solution. A comparison of the efficacy of two formulations. Ledingham SJ, et al. **J Thorac Cardiovasc Surg** 1987 Feb;93(2):240–6
Enhanced myocardial protection with high-energy phosphates in St. Thomas' Hospital cardioplegic solution. Synergism of adenosine triphosphate and creatine phosphate. Robinson LA, et al. **J Thorac Cardiovasc Surg** 1987 Mar;93(3):415–27
Experimental data on the antiulcerous action of a new pharmacological combination. Mungiu OC, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr–Jun;90(2):367–8
Intracellular pH measurement during cardiac arrest in ventricular myocardium by Bretschneider's cardioplegic solution HTK and St. Thomas Hospital solution with and without procaine. Heinemeyer D, et al. **Thorac Cardiovasc Surg** 1987 Feb;35(1):48–52
[Improved myocardial protection by pharmacological pretreatment in extended global ischemia based on Mg-lidocaine-induced cardioplegia] Fujiwara H. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Apr;35(4):474–82 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Relationship of magnesium intake and other dietary factors to blood pressure: the Honolulu heart study. Joffres MR, et al. **Am J Clin Nutr** 1987 Feb;45(2):469–75
Tocolysis with oral magnesium. Martin RW, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):433–4
Effect of antacid on levodopa therapy. Lau E, et al. **Clin Neuropharmacol** 1986;9(5):477–9
Calcium or magnesium concentration affects the severity of organophosphate-induced neuromuscular block. Bradley RJ. **Eur J Pharmacol** 1986 Aug 15;127(3):275–8
Comparison of sodium citrate with magnesium trisilicate as pre-anaesthetic antacid in emergency caesarean sections. Wig J, et al. **Indian J Med Res** 1987 Mar;85:306–10
Effects of pyridoxine and magnesium on autistic symptoms—initial observations. Lelord G, et al. **J Autism Dev Disord** 1981 Jun;11(2):219–30
Kidney function in rats with corticomedullary nephrocalcinosis: effects of alterations in dietary calcium and magnesium. Al-Modhefer AK, et al. **J Physiol (Lond)** 1986 Nov;380:405–14
Multiple sclerosis: decreased relapse rate through dietary supplementation with calcium, magnesium and vitamin D. Goldberg P, et al. **Med Hypotheses** 1986 Oct;21(2):193–200

ADVERSE EFFECTS

Potential health risks from the use of fibrous mineral absorption granulates. Rödelsperger K, et al. **Br J Ind Med** 1987 May;44(5):337–43
Antacid-induced osteomalacia. Saadeh G, et al. **Cleve Clin J Med** 1987 May-Jun;54(3):214–6
Metabolic alkalosis and hypermagnesemia following "non-absorbable" antacid therapy.Agarwal BN, et al. **Del Med J** 1986 Aug;58(8):531–2
[A cause of alkalosis in children under hemodialysis: combined administration of magnesium hydroxide and polystyrene sodium sulfonate (letter)] Nassif F, et al. **Presse Med** 1987 May 30;16(20):1003 **(Fre)**
[Hygienic evaluation of the use of growth-stimulating additives during the feeding of domesticated animals] Arbuzov EV, et al. **Gig Sanit** 1987 Mar;(3):84–5 **(Rus)**

ANALYSIS

Instrumental neutron-activation analysis of canine urinary calculi for some selected elements. Zinn KR, et al. **Am J Vet Res** 1986 Dec;47(12):2536–8
Determination of analytical parameters in drinking water by flow injection analysis. Part 2. Simultaneous determination of calcium and magnesium. Cañete F, et al. **Analyst** 1987 Mar;112(3):267–70
Effects of gallium chloride oral administration on transplanted C3HBA mammary adenocarcinoma: Ga, Mg, Ca and Fe concentration and anatomopathological characteristics. Collery P, et al. **Anticancer Res** 1986 Sep–Oct;6(5):1085–7
Calcium and magnesium content of skeletal muscle. Studies in subjects undergoing diagnostic testing for malignant hyperthermia. Nelson TE, et al. **Br J Anaesth** 1987 Jun; 59(6):730–4
Calcium phosphate in catheter encrustation. Cox AJ, et al. **Br J Urol** 1987 Feb;59(2):159–63
Magnesium in tooth enamel and synthetic apatites. Terpstra RA, et al. **Calcif Tissue Int** 1986 Nov;39(5):348–54 (34 ref.)
Intracellular free magnesium in excitable cells: its measurement and its biologic significance. Alvarez-Leefmans FJ, et al. **Can J Physiol Pharmacol** 1987 May;65(5):915–25
Subcellular concentrations of calcium, zinc, and magnesium in benign nodular hyperplasia of the human prostate: X-ray microanalysis of freeze-dried cryosections. Tvedt KE, et al. **Cancer Res** 1987 Jan 1;47(1):323–8
31P NMR spectroscopy, chemical analysis, and free Mg2+ of rabbit bladder and uterine smooth muscle. Kushmerick MJ, et al. **J Biol Chem** 1986 Nov 5;261(31):14420–9
Elemental concentrations in isolated rat thymocytes prepared for cryofixation in the presence of different media. Warley A. **J Microsc** 1986 Nov;144 (Pt 2):183–91
Preparation, characterization, and controlled release from coprecipitates of fluorescein and magnesium hydroxide. Hickey AJ, et al. **J Pharm Sci** 1986 Aug;75(8):756–9
Diabetes mellitus and low environmental magnesium levels [letter] Foster HD. **Lancet** 1987 Sep 12;2(8559):633
Inadequate supplies of potassium and magnesium in relief food—implications and countermeasures. Michaelsen KF, et al. **Lancet** 1987 Jun 20;1(8547):1421–3
Measurement and control of intracellular magnesium ion concentration in guinea pig and ferret ventricular myocardium. Fry CH. **Magnesium** 1986;5(5–6):306–16
Measurement of magnesium in human tissues and fluids: a historical perspective. Wacker WE. **Magnesium** 1987; 6(2):61–4 (15 ref.)
Relation of soil and plant magnesium to nutrition of animals and man. Wilkinson SR, et al. **Magnesium** 1987;6(2):74–90
Measurement of cytoplasmic, free magnesium concentration with entrapped eriochrome blue in nerve endings isolated from the guinea pig brain. Heinonen E, et al. **Neurosci Lett** 1986 Dec 3;72(1):105–10
Correlations among Mg, Ca and P contents of digesta in the gastro-intestinal tract of rats. Shiga A, et al. **Nippon Juigaku Zasshi** 1986 Dec;48(6):1283–6
Decreased amniotic fluid magnesium concentration in diabetic pregnancy. Mimouni F, et al. **Obstet Gynecol** 1987 Jan;69(1):12–4
Free intracellular magnesium concentration in ferret ventricular muscle measured with ion selective micro-electrodes. Blatter LA, et al. **Q J Exp Physiol** 1986 Jul;71(3):467–73
Interrelationships between the concentration of magnesium, calcium, and strontium in the hair of Japanese school children. Morita H, et al. **Sci Total Environ** 1986 Oct; 54:95–105
Biochemical risk factors in patients with renal staghorn stone disease. Wall I, et al. **Urology** 1986 Nov;28(5):377–80
[Analysis of the levels of various elements in the hair as a test in the evaluation of changes in the natural environment] Karczewski J, et al. **Folia Med Cracov** 1987;28(1–2):97–103 (Eng. Abstr.) **(Pol)**
[Pathogenesis and clinical aspects of struvite urinary calculi] Raszeja-Wanic B. **Pol Tyg Lek** 1986 Sep 29;41(39):1256–8 (21 ref.) **(Pol)**
[Determining magnesium levels in food products] Buliński R, et al. **Rocz Panstw Zakl Hig** 1986;37(6):534–41 (Eng. Abstr.) **(Pol)**
[Patterns of redistribution of calcium and magnesium in the tissues of lactating white mice] Kisliakova LP, et al. **Fiziol Zh SSSR** 1986 Nov;72(11):1564–70 (Eng. Abstr.) **(Rus)**

[Electrolyte concentration in the plasma and tissue cells of patients with ventricular arrhythmias in the acute period of myocardial infarction] Puodzhiukinene MZ, et al. **Kardiologiia** 1987 Feb;27(2):98–100 **(Rus)**

BLOOD

Neonatal hyperexcitability in relation to plasma ionized calcium, magnesium, phosphate and glucose. Nelson N, et al. **Acta Paediatr Scand** 1987 Jul;76(4):579–84

Plasma levels of zinc, copper, magnesium and calcium during early weeks of gestation. Habib Z, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:602–5

Plasma levels of zinc, copper, magnesium and calcium in rats after partial hepatectomy. Al-Othman K, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:223–6

Plasma levels of copper, zinc and magnesium in the plasma of patients with acute infections. Srinivas U, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:378–81

Abnormal calcium, magnesium and zinc stores in peripheral blood cells from patients with inflammatory connective tissue disease. Svenson K, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:386–91

Serum magnesium and mononuclear blood cell magnesium [letter] Elin RJ, et al. **Am Heart J** 1987 Jun;113(6):1534–5

Hypomagnesemia following high-dose intracavitary cisplatin with systemically administered sodium thiosulfate. Markman M, et al. **Am J Clin Oncol** 1986 Oct;9(5):440–3

Serum, lymphocyte, and erythrocyte potassium, magnesium, and calcium concentrations and their relation to tachyarrhythmias in patients with acute myocardial infarction. Abraham AS, et al. **Am J Med** 1986 Dec; 81(6):983–8

Serum magnesium and potassium levels in hypertensive patients after a therapeutic switch from hydrochlorothiazide plus a potassium supplement to maxzide. Davidov ME, et al. **Am J Med** 1987 Mar 20; 82(3A):48–51

Magnesium and the premenstrual syndrome. Sherwood RA, et al. **Ann Clin Biochem** 1986 Nov;23 (Pt 6):667–70

Cardiac arrhythmias in hypertensive outpatients on various diuretics. Correlation between incidence and serum potassium and magnesium levels. Lumme JA, et al. **Ann Clin Res** 1986;18(4):186–90

Serum magnesium and potassium in acute myocardial infarction. Influence on ventricular arrhythmias. Kafka H, et al. **Arch Intern Med** 1987 Mar;147(3):465–9

The value of serum magnesium determination in hypertensive patients receiving diuretics. Kroenke K, et al. **Arch Intern Med** 1987 Sep;147(9):1553–6

Decreased intracellular free magnesium in erythrocytes of spontaneously hypertensive rats. Matuura T, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):1012–7

Studies on the mechanism of decreased NMR-measured free magnesium in stored erythrocytes. Bock JL, et al. **Biochim Biophys Acta** 1987 Apr 2;928(1):8–12

Neurological consequences of hypomagnesaemia [letter] Gledhill RF. **Br Med J** 1987 Jan 31;294(6567):309

Severe hypermagnesaemia due to magnesium sulphate enemas in patients with hepatic coma [published erratum appears in Br Med J [Clin Res] 1986 Nov 8;293(6556):1222] Collinson PO, et al. **Br Med J [Clin Res]** 1986 Oct 18; 293(6553):1013–4

Isolated hypomagnesaemia presenting as focal seizures in diabetes mellitus. Matthey F, et al. **Br Med J [Clin Res]** 1986 Nov 29;293(6559):1409

Correlation between calcium and magnesium in plasma or serum? [letter] Chueca P, et al. **Clin Chem** 1987 Jul; 33(7):1304–5

Indirect vs direct measurement of magnesium and zinc in erythrocytes. Deuster PA, et al. **Clin Chem** 1987 Apr; 33(4):529–32

Avoiding serum matrix effect in calmagite complexiметric measurements of magnesium. Frandsen NJ, et al. **Clin Chem** 1987 May;33(5):719

A method for simultaneously estimating plasma, erythrocyte, and leukocyte sodium, potassium, and magnesium: reference values and considerations from biological variation data. Gallacher RE, et al. **Clin Chem** 1987 Aug; 33(8):1326–30

Metastable aqueous foams and flame atomic absorption spectrometry. Hams GA. **Clin Chem** 1987 May;33(5):719–20

Genetic factors regulating magnesium concentrations in plasma and erythrocytes [letter] Henrotte JG. **Clin Chem** 1986 Oct;32(10):1997

Magnesium and creatine kinase in myocardial infarction: new data [letter] Speich M. **Clin Chem** 1987 May;33(5):739–40

Serum magnesium determined by use of methylthymol blue. Thuvasethakul P, et al. **Clin Chem** 1987 Apr;33(4):614–5

Measurement of magnesium in serum and urine with a random access analyzer by use of a modified xylidyl blue–1 procedure. Ratge D, et al. **Clin Chim Acta** 1986 Sep 15; 159(2):197–203

Hypermagnesemia and progression of renal failure [letter] Rodman JS. **Clin Nephrol** 1986 Dec;26(6):314

Plasma and erythrocyte copper, zinc, manganese and magnesium concentrations in Wilson's disease. Goto I, et al. **Clin Neurol Neurosurg** 1986;88(3):193–6

Effects of acute hypermagnesaemia on intracellular calcium concentration and adrenergic activity. Lenz T, et al. **Clin Sci** 1987 Jan;72(1):131–4

Adrenergic control of plasma magnesium in man. Whyte KF, et al. **Clin Sci** 1987 Jan;72(1):135–8

A simple method for determining physiologically active calcium and magnesium concentrations in critically ill patients. Zaloga GP, et al. **Crit Care Med** 1987 Sep; 15(9):813–6

Metabolic alkalosis and hypermagnesemia following "non-absorbable" antacid therapy.Agarwal BN, et al. **Del Med J** 1986 Aug;58(8):531–2

Insulin and plasma magnesium in normal and obese subjects [letter] Ng LL, et al. **Diabetologia** 1987 Jan;30(1):49

Insulin induces opposite changes in plasma and erythrocyte magnesium concentrations in normal man. Paolisso G, et al. **Diabetologia** 1986 Sep;29(9):644–7

Cisplatin nephrotoxicity: symptomatic hypomagnesemia and renal failure. Gomez Campdera FJ, et al. **Int J Pediatr Nephrol** 1986 Jul–Sep;7(3):151–2

Serum potassium, calcium and magnesium after resuscitation from ventricular fibrillation: a canine study. Salerno DM, et al. **J Am Coll Cardiol** 1987 Jul;10(1):178–85

Status of the mononuclear blood cell magnesium assay. Elin RJ. **J Am Coll Nutr** 1987 Apr;6(2):105–7

Serum magnesium levels in the United States, 1971–1974. Lowenstein FW, et al. **J Am Coll Nutr** 1986;5(4):399–414

Blood mononuclear cell magnesium in normal pregnancy and preeclampsia. Ryzen E, et al. **J Am Coll Nutr** 1987 Apr; 6(2):121–4

Serum magnesium in women during pregnancy, while taking contraceptives, and after menopause. Stanton MF, et al. **J Am Coll Nutr** 1987 Aug;6(4):313–9

Changes in serum magnesium concentration after strenuous exercise. Stendig-Lindberg G, et al. **J Am Coll Nutr** 1987 Feb;6(1):35–40

Serum and monocyte magnesium levels in two groups of patients at term [letter] Weaver K. **J Am Coll Nutr** 1987 Apr;6(2):189

Trace minerals and magnesium in atherosclerosis and hypertension [letter] Singh RB. **J Assoc Physicians India** 1986 Jun;34(6):457–8

A one-to-one Mg2+:Mn2+ exchange in rat erythrocytes. Féray JC, et al. **J Biol Chem** 1987 Apr 25;262(12):5763–8

The concentrations of free Mg2+ and free Zn2+ in equine blood plasma. Magneson GR, et al. **J Biol Chem** 1987 Aug 15;262(23):11140–8

Interactive roles of monovalent and divalent cations in pathogenesis of hypertension caused by alcohol. Adeniyi FA. **J Clin Pathol** 1986 Nov;39(11):1264–8

Plasma ultrafiltrable magnesium in insulin dependent diabetics. Gunn IR, et al. **J Clin Pathol** 1987 Mar; 40(3):294–7

Significance of serum magnesium in pulmonary tuberculosis. Agrawal PK, et al. **J Indian Med Assoc** 1986 Oct; 84(10):303–5

Hypomagnesemia: a multifactorial complication of treatment of patients with severe burn trauma. Cunningham JJ, et al. **JPEN J Parenter Enteral Nutr** 1987 Jul–Aug; 11(4):364–7

Investigating hypomagnesaemia [letter] Scoble JE, et al. **Lancet** 1987 Jan 31;1(8527):276

Undernutrition in lepromatous leprosy, Part II. Altered levels of serum elements. Their association with the disease and not with food deprivation. Rao KN, et al. **Lepr Rev** 1986 Dec;57(4):311–6

Values reported for the three inorganic elements in 'lymphocytes' [letter] Elin RJ, et al. **Magnesium** 1987; 6(3):165–8

Comparison of two methods for determination of magnesium concentration of mononuclear blood cells. Elin RJ, et al. **Magnesium** 1986;5(5–6):301–5

Routine serum magnesium determination—a continuing unrecognized need. Whang R. **Magnesium** 1987;6(1):1–4

Methods for the estimation of serum magnesium in clinical laboratories. Wills MR, et al. **Magnesium** 1986; 5(5–6):317–27

Intracellular sodium, potassium and magnesium concentration, ouabain-sensitive 86rubidium-uptake and sodium-efflux and Na+, K+-cotransport activity in erythrocytes of normal male subjects studied on two occasions. Lijnen P, et al. **Methods Find Exp Clin Pharmacol** 1986 Sep;8(9):525–33

Magnesium, calcium and PTH relationships in dialysis patients after magnesium repletion. Kenny MA, et al. **Nephron** 1987;46(2):199–205

Decreased maternal serum magnesium concentration and adverse fetal outcome in insulin-dependent diabetic women. Mimouni F, et al. **Obstet Gynecol** 1987 Jul; 70(1):85–8

Severe renal osteodystrophy without elevated serum immunoreactive parathyroid hormone concentrations in hypomagnesemia due to renal magnesium wasting. Zelikovic I, et al. **Pediatrics** 1987 Mar;79(3):403–9

Mseleni joint disease. Part II. Low serum calcium and magnesium levels in women. Fincham JE, et al. **S Afr Med J** 1986 Dec 6;70(12):740–2

Neonatal reference values for ionized calcium, phosphate and magnesium. Selection of reference population by optimality criteria. Nelson N, et al. **Scand J Clin Lab Invest** 1987 Apr; 47(2):111–7

[Diabetic ocular lesions and hypomagnesemia] Liao MB. **Chung Hua Yen Ko Tsa Chih** 1986 Sep;22(5):279–81 (Eng. Abstr.) **(Chi)**

[Levels of magnesium and zinc in the blood in patients treated for epileptic seizures] Tolde I, et al. **Cas Lek Cesk** 1987 Feb 6;126(6):174–8 (Eng. Abstr.) **(Cze)**

[Interdependence of the level of total proteins, magnesium and beta-carotene in the plasma of dairy cows] Lebeda M, et al. **Vet Med (Praha)** 1987 Mar;32(3):129–33 (Eng. Abstr.) **(Cze)**

[Amiloride and magnesium. Severe interaction between amiloride and over-the-counter drugs containing magnesium] Henderson DG. **Ugeskr Laeger** 1987 Jan 5; 149(2):92 (Eng. Abstr.) **(Dan)**

[Effect of marathons on neuromuscular excitability; comparison of electromyographic and biochemical findings] Verroust J, et al. **J Physiol (Paris)** 1986; 81(5):384–8 (Eng. Abstr.) **(Fre)**

[Response to influenza vaccine in uremic patients: relation to erythrocyte magnesium and the value of a second injection] Abdulmassih Z, et al. **Nephrologie** 1987;8(1):23–6 (Eng. Abstr.) **(Fre)**

[Magnesium kinetics in the plasma following intravenous administration (letter)] Roth A, et al. **Dtsch Med Wochenschr** 1987 Jan 9;112(2):79–80 **(Ger)**

[Do antacids with high acid-binding capacity modify mineral metabolism?] Dollinger HC, et al. **Fortschr Med** 1987;105 Suppl 19:10–4 (Eng. Abstr.) **(Ger)**

[Serum magnesium concentration in myocardial infarct] Giesecke D, et al. **Klin Wochenschr** 1986 Oct 15; 64(20):1003–12 (Eng. Abstr.) **(Ger)**

[Behavior of serum magnesium concentrations in children with juvenile chronic arthritis] Ratzmann GW, et al. **Padiatr Grenzgeb** 1987;26(2):103–8 (Eng. Abstr.) **(Ger)**

[Behavior of serum magnesium in chronic sclerogenetic hepatopathies] Zocca A, et al. **G Clin Med** 1986 Aug; 67(4):209–12 (Eng. Abstr.) **(Ita)**

[Serum levels of copper, zinc and magnesium in parturients and newborn infants in term and prolonged pregnancies] Kelm R. **Pediatr Pol** 1986 Sep;61(9):553–8 (Eng. Abstr.) **(Pol)**

CEREBROSPINAL FLUID

Calcium, phosphorus, magnesium, and calcitonin concentrations in the serum and cerebrospinal fluid of children. Venkataraman PS, et al. **Am J Dis Child** 1987 Jul;141(7):751–3

Aminergic studies and cerebrospinal fluid cations in suicide. Banki CM, et al. **Ann NY Acad Sci** 1986;487:221–30

DIAGNOSTIC USE

A magnesium load test in the diagnosis of magnesium deficiency. Holm CN, et al. **Hum Nutr Clin Nutr** 1987 Jul; 41(4):301–6

High-density lipoprotein cholesterol assay by magnesium dextransulphate precipitation. Grauholt AM, et al. **Scand J Clin Lab Invest** 1986 Dec;46(8):715–21

METABOLISM

Effects of the impairment of renal function and of the pH of gastric secretion on the efficacy of Al(OH)3 to reduce serum inorganic phosphorus. Barsotti G, et al. **Adv Exp Med Biol** 1986;208:493–9

Disturbed phosphate metabolism in spontaneously hypertensive rats. Bindels RJ, et al. **Adv Exp Med Biol** 1986;208:417–22

Renal magnesium wasting disorders. Dirks JH, et al. **Adv Exp Med Biol** 1986;208:193–7 (16 ref.)

Determination of magnesium binding to macromolecules. Olson DL, et al. **Anal Biochem** 1987 Feb 1;160(2):468–70

Relationship between magnesium, cancer and carcinogenic or anticancer metals. Durlach J, et al. **Anticancer Res** 1986 Nov–Dec;6(6):1353–61 (88 ref.)

Respiration-dependent uptake and extrusion of Mg2+ by isolated heart mitochondria. Brierley GP, et al. **Arch Biochem Biophys** 1987 Mar;253(2):322–32

Binding of Mg2+ to the beta subunit or F1 of H+-ATPase from Escherichia coli. Futai M, et al. **Arch Biochem Biophys** 1987 Apr;254(1):313–8

Exchanges of magnesium and phosphorus at different sites in the ruminant stomach. Edrise BM, et al. **Arch Tierernahr** 1986 Nov;36(11):1019–27

Transfer of magnesium across the perfused choroid plexus of sheep. Allsop TF. **Aust J Biol Sci** 1986;39(2):161–9

Effect of 1,25 dihydroxyvitamin D3 on the calcium and magnesium metabolism of lactating cows. Moate PJ, et al. **Aust Vet J** 1987 Mar;64(3):73–5

Relative affinity of Ca(II) and Mg(II) ions for human and bovine prothrombin and fragment 1. Deerfield DW 2d, et al. **Biochem Biophys Res Commun** 1987 Apr 14; 144(1):520–7

Independent bindings of Mn2+ and Mg2+ to the active site of B. cereus glutamine synthetase. Nakano Y, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):475–82

Anticodon loop of tRNAPhe: structure, dynamics, and Mg2+ binding. Bujalowski W, et al. **Biochemistry** 1986 Oct 21;25(21):6365–71

Kinetic reaction mechanism for magnesium binding to membrane-bound and soluble catechol O-methyltransferase. Jeffery DR, et al. **Biochemistry** 1987 May 19;26(10):2955–8

Structure of the oxalate-ATP complex with pyruvate kinase: ATP as a bridging ligand for the two divalent cations. Lodato DT, et al. **Biochemistry** 1987 Apr 21;26(8):2243–50

Calcium-proton and calcium-magnesium antagonisms in calmodulin: microcalorimetric and potentiometric analyses. Milos M, et al. **Biochemistry** 1986 Oct 7;25(20):6279–87

Effects of local anesthetics on the passive permeability of sarcoplasmic reticulum vesicles to Ca2+ and Mg2+. Escudero B, et al. **Biochim Biophys Acta** 1987 Sep 3; 902(3):374–84

Intracellular free magnesium in synaptosomes measured with entrapped eriochrome blue. Heinonen E, et al. **Biochim Biophys Acta** 1987 Apr 23;898(3):331–7

Muscle magnesium content and cardiac arrhythmias during treatment of congestive heart failure due to chronic chagasic cardiomyopathy. Câmara EJ, et al. **Braz J Med Biol Res** 1986;19(1):49–58

Dietary magnesium and urolithiasis in growing calves. Kallfelz FA, et al. **Cornell Vet** 1987 Jan;77(1):33–45

Calcium and magnesium transport and influence of 1,25-dihydroxyvitamin D3. In vivo perfusion study at the colon of the rat. Karbach U, et al. **Digestion** 1987; 37(1):35–42

Clinical significance of magnesium: a review. Gums JG. **Drug Intell Clin Pharm** 1987 Mar;21(3):240–6 (41 ref.)

Characterisation of the metal–ion–GDP complex at the active sites of transforming and nontransforming p21 proteins by observation of the 17O–Mn superhyperfine coupling and by kinetic methods. Feuerstein J, et al. **Eur J Biochem** 1987 Jan 2;162(1):49–55

Conversion of ATP–actin to ADP–actin reverses the affinity of monomeric actin for Ca2+ vs Mg2+. Selden LA, et al. **FEBS Lett** 1987 Jun 8;217(1):89–93

The status of magnesium in rabbits with experimentally–induced diabetes mellitus. Bhimji S, et al. **Horm Metab Res** 1986 Nov;18(11):734–8

Differential effect of MDP treatment on magnesium in rat tissues. Henrotte JG, et al. **Int J Immunopharmacol** 1987; 9(2):157–63

Disturbances of magnesium metabolism in the spontaneously hypertensive rat. Berthelot A, et al. **J Am Coll Nutr** 1987 Aug;6(4):329–32

Effects of dietary monensin and potassium on apparent absorption of magnesium and other macroelements in sheep. Greene LW, et al. **J Anim Sci** 1986 Dec;63(6):1960–7

Effects of potassium on macromineral absorption in sheep fed wheat straw–based diets. Grings EE, et al. **J Anim Sci** 1987 Mar;64(3):872–9

Effect of dietary phosphorus and roughage levels on calcium, magnesium and potassium utilization by sheep. Lopes HO, et al. **J Anim Sci** 1986 Dec;63(6):1983–9

Effect of dietary supplements of sodium or potassium bicarbonate on short–term macromineral balance in swine. Patience JF, et al. **J Anim Sci** 1987 Apr;64(4):1079–85

Semi–synthesis of A23187 (calcimycin) analogs. IV. Cation carrier properties in mitochondria of analogs with modified benzoxazole rings. Antimicrobial activity. Prudhomme M, et al. **J Antibiot (Tokyo)** 1986 Jul;39(7):934–7

Magnesium homeostasis during high–intensity anaerobic exercise in men. Deuster PA, et al. **J Appl Physiol** 1987 Feb;62(2):545–50

Magnesium transport in Salmonella typhimurium: characterization of magnesium influx and cloning of a transport gene. Hmiel SP, et al. **J Bacteriol** 1986 Dec; 168(3):1444–50

The mechanisms of ATP hydrolysis accompanying the polymerization of Mg–actin and Ca–actin. Carlier MF, et al. **J Biol Chem** 1987 Mar 5;262(7):3052–9

Mg(II) binding by bovine prothrombin fragment 1 via equilibrium dialysis and the relative roles of Mg(II) and Ca(II) in blood coagulation. Deerfield DW 2d, et al. **J Biol Chem** 1987 Mar 25;262(9):4017–23

The binding of Ca2+, Mg2+ and Cd2+ to tryptic fragments of skeletal muscle troponin C. Cadmium–113 and proton NMR studies. Drakenberg T, et al. **J Biol Chem** 1987 Jan 15;262(2):672–8

Preparation and characterization of nucleotide–free and metal ion–free p21 "apoprotein". Feuerstein J, et al. **J Biol Chem** 1987 Jun 25;262(18):8455–8

Proximity and ligand–induced movement of interdomain residues in myosin subfragment 1 containing trapped MgADP and MgPPi probed by multifunctional cross–linking. Rajasekharan KN, et al. **J Biol Chem** 1987 Aug 15;262(23):11207–14

Effect of added dietary cobalt on metabolism and distribution of radioactive selenium and stable minerals. Van Ryssen JB, et al. **J Dairy Sci** 1987 Mar;70(3):639–44

Magnesium in cardiac energy metabolism. Garfinkel L, et al. **J Mol Cell Cardiol** 1986 Oct;18(10):1003–13 (78 ref.)

Magnesium utilization during gestation in the rat and effect of hydrocortisone on it. Aranda P, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Apr;32(2):237–44

Effects of mono and divalent cations on total and partial reactions catalysed by pig kidney Na,K–ATPase. Beaugé L, et al. **J Physiol (Lond)** 1986 Jun;375:1–25

Effects of iron–, manganese–, or magnesium–deficiency on the growth and morphology of Euglena gracilis. Hilt KL, et al. **J Protozool** 1987 May;34(2):192–8

Intestinal absorption of aluminium from antacids: a comparison between hydrotalcite and algeldrate. van der Voet GB, et al. **J Toxicol Clin Toxicol** 1986–87;24(6):545–53

Magnesium and obesity: effects of treatment on magnesium and other parameters. de Leeuw IH, et al. **Magnesium** 1987; 6(1):40–7

Magnesium intake during pregnancy. Franz KB. **Magnesium** 1987;6(1):18–27

Chronic renal failure and magnesium metabolism. Lindeman RD. **Magnesium** 1986;5(5–6):293–300

Renal handling of magnesium: drug and hormone interactions. Quamme GA. **Magnesium** 1986;5(5–6):248–72 (90 ref.)

TmMg and renal Mg threshold in normal man and in certain pathophysiologic conditions. Rude RK, et al. **Magnesium** 1986;5(5–6):273–81

Magnesium and potassium–sparing diuretics. Ryan MP. **Magnesium** 1986;5(5–6):282–92 (68 ref.)

Magnesium and potassium status in healthy subjects as assessed by analysis of magnesium and potassium in skeletal muscle biopsies and magnesium in mononuclear cells. Sjögren A, et al. **Magnesium** 1987;6(2):91–9

Magnesium and pregnancy. Valenzuela GJ, et al. **Magnesium** 1987;6(3):128–35 (50 ref.)

Influence of hydrocortisone acetate on the magnesium metabolism during pregnancy in rats. López Frias M, et al. **Nahrung** 1987;31(3):247–51

Effect of chronic administration of ammonium sulfate on phosphatic stone recurrence. Pizzarelli F, et al. **Nephron** 1987;46(3):247–52

The effect of drinking water temperature in winter on water, magnesium and calcium metabolisms in ewes. Shiga A. **Nippon Juigaku Zasshi** 1986 Oct;48(5):893–9

Influence of chronic dietary acid on renal tubular handling of magnesium. Shapiro RJ, et al. **Pflugers Arch** 1987 Aug; 409(4–5):492–8

The effect of potassium and the transmural potential difference on magnesium transport across an isolated preparation of sheep rumen epithelium. Martens H, et al. **Q J Exp Physiol** 1987 Apr;72(2):181–8

Effect of intraruminal sodium and potassium concentrations and of the transmural potential difference on magnesium absorption from the temporarily isolated rumen of sheep. Martens H, et al. **Q J Exp Physiol** 1986 Jul;71(3):409–15

The physiology of renal magnesium handling. Quamme GA, et al. **Renal Physiol** 1986;9(5):257–69 (45 ref.)

Magnesium metabolism in open–heart surgery. Cavaliere F, et al. **Resuscitation** 1986 Jul;13(4):215–21

[The importance of magnesium in orthopedics. II. Regulation of metabolism] Ditmar R, et al. **Acta Chir Orthop Traumatol Cech** 1987 Feb;54(1):24–33 (Eng. Abstr.) **(Cze)**

[The importance of magnesium in orthopedics. Part 1. Introduction, metabolism] Ditmar R, et al. **Acta Chir Orthop Traumatol Cech** 1986 Oct;53(5):366–77 (Eng. Abstr.) **(Cze)**

[Action of a dietary Mg2+ deficiency and overload in the male rat: measurement of certain parameters of testicular and spermatozoan activity] Neauport C, et al. **C R Soc Biol (Paris)** 1986;180(2):151–8 (Eng. Abstr.) **(Fre)**

[Role of magnesium in the physiopathology and treatment of calcium renal lithiasis] Labeeuw M, et al. **Presse Med** 1987 Jan 10–17;16(1):25–7 (Eng. Abstr.) **(Fre)**

[Magnesium deficiency: basic concepts and clinical realities] Lasserre B. **Rev Med Suisse Romande** 1987 May; 107(5):411–20 **(Fre)**

[Effect of sodium salicylate on renal handling of calcium, phosphate and magnesium] Yamada S, et al. **Nippon Yakurigaku Zasshi** 1986 Nov;88(5):395–401 (Eng. Abstr.) **(Jpn)**

[Role of magnesium, cadmium and zinc in the pathogenesis of primary arterial hypertension] Lapiński M, et al. **Pol Tyg Lek** 1986 Jul 21–28;41(29–30):940–4 (36 ref.) (Eng. Abstr.) **(Pol)**

[Photoexcitation of electron orbits in the magnesium atom and (Na+–K+) ATPase functioning] Kondrat'ev KIa, et al. **Dokl Akad Nauk SSSR** 1987;292(5):1264–6 **(Rus)**

[Age–related characteristics of the effect of adrenomimetics and adrenoblockaders on the calcium and magnesium content of the rat myocardium] Viktorov AP, et al. **Farmakol Toksikol** 1987 Jan–Feb;50(1):41–4 (Eng. Abstr.) **(Rus)**

[Changes in the ionic mechanisms of the electro–excitability of the somatic membrane of rat sensory neurons during ontogenesis. Relation between calcium channels and intracellular metabolism] Veselovskiĭ NS, et al. **Neirofiziologiia** 1986;18(6):827–32 (Eng. Abstr.) **(Rus)**

[Cation transport and content in serum–stimulated CHO–773 cells. III. The intracellular content of sodium, calcium and magnesium] Marakhova II, et al. **Tsitologiia** 1987 Mar; 29(3):315–20 (Eng. Abstr.) **(Rus)**

[Magnesium and calcium metabolism in peptic ulcer patients] Fomina AA. **Vrach Delo** 1986 Oct;(10):58–61 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Dietary magnesium effect on swine coronary atherosclerosis induced by hypervitaminosis D. Ito M, et al. **Acta Pathol Jpn** 1987 Jun;37(6):955–64

Vasomotor responses of isolated human coronary arteries to magnesium, nitroglycerin and verapamil: a comparison with coronary arteries from cat and rat. Sjögren A, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Sep;59(3):195–203

Magnesium and octylguanidinium inhibition of monovalent cation translocation in mitochondria. Beaty G, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(3):217–32

The role of calcium, magnesium, and zinc in carcinogenesis. Kasprzak KS, et al. **Adv Exp Med Biol** 1986;206:497–515

Blockade by D–aminophosphonovalerate or Mg2+ of excitatory amino acid–induced responses on spinal motoneurons in vitro. Nistri A, et al. **Adv Exp Med Biol** 1986;203:485–95

Cardiac and peripheral vascular actions by Ca++ and Mg++. Charbon GA. **Am J Nephrol** 1986;6 Suppl 1:134–8

Effects of Ca2+, Mg2+, and myosin phosphorylation on skinned smooth muscle fibers. Barsotti RJ, et al. **Am J Physiol** 1987 May;252(5 Pt 1):C543–54

Effects of Ca2+/Mg2+ removal on aiNa, aiK, and tension in cardiac Purkinje fibers. Chapman RA, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):C920–7

Rectification of muscarinic K+ current by magnesium ion in guinea pig atrial cells. Horie M, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):H210–4

Mg inhibits voltage and tension oscillation but potentiates twitch in depolarized myocardium. Ito T, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):H248–55

Magnesium limitation and its role in apparent toxicity of ethanol during yeast fermentation. Dombek KM, et al. **Appl Environ Microbiol** 1986 Nov;52(5):975–81

Protein synthesis in rabbit reticulocytes: Mg2+–inhibition of ternary complex (Met–tRNA(f).eIF–2.GTP) formation by reticulocyte eIF–2. Roy AL, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):114–20

Identification and characterization of Mg2+–dependent phosphotyrosyl protein phosphatase from rat liver cytosol. Tamura S, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):212–8

The hysteretic effect of Gpp(NH)p on adenylate cyclase is not altered by Mg2+ in adipocyte membranes of ob/ob mice. Bégin–Heick N. **Biochem Cell Biol** 1986 Sep; 64(9):855–63

Translocation of Mg2+–dependent phosphatidate phosphohydrolase between cytosol and endoplasmic reticulum in a permanent cell line from human lung. Walton PA, et al. **Biochem Cell Biol** 1986 Nov;64(11):1135–40

Ca2+ and Mg2+ protection against thermal denaturation of pancreatic elastase. Favre–Bonvin G, et al. **Biochem Int** 1986 Dec;13(6):983–9

The stimulation by salts of hexose phosphate uptake by Escherichia coli. Essenberg RC. **Biochem J** 1987 Apr 15; 243(2):345–50

Effects of Ca2+ and Mg2+ on the activity of pyruvate dehydrogenase phosphate phosphatase within toluene–permeabilized mitochondria. Midgley PJ, et al. **Biochem J** 1987 Jan 15;241(2):371–7

Sensitivity of pyruvate dehydrogenase phosphate phosphatase to magnesium ions. Similar effects of spermine and insulin. Thomas AP, et al. **Biochem J** 1986 Aug 15; 238(1):83–91

Comparison of Mg2+ and Mn2+ as metal cofactors for histamine–stimulated adenylate cyclase in guinea pig gastric mucosa. Barker LA, et al. **Biochem Pharmacol** 1987 Jun 1;36(11):1847–8

Differential effects of chymotrypsin on magnesium, sodium, and guanine nucleotide regulation of alpha 2–adrenoreceptors of human platelets. Periyasamy S, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):3086–8

Euglena gracilis chromatin: comparison of effects of zinc, iron, magnesium, or manganese deficiency and cold shock. Falchuk KH, et al. **Biochemistry** 1986 Sep 23; 25(19):5388–91

Rat liver glucocorticoid receptor isolated by affinity chromatography is not a Mg2+– or Ca2+–dependent protein kinase. Hapgood JP, et al. **Biochemistry** 1986 Nov 18;25(23):7529–34

Effect of magnesium ion on the structure of the 5S RNA from Escherichia coli. An imino proton magnetic resonance study of the helix I, IV, and V regions of the molecule. Leontis NB, et al. **Biochemistry** 1986 Nov 18; 25(23):7386–92

Interaction of vinblastine with calf brain tubulin: effects of magnesium ions. Na GC, et al. **Biochemistry** 1986 Oct 7; 25(20):6222–8

Ca2+ binding to chromaffin vesicle matrix proteins: effect of pH, Mg2+, and ionic strength. Reiffen FU, et al. **Biochemistry** 1986 Jul 29;25(15):4402–6

Magnesium requirements for guanosine 5'–O–(3–thiotriphosphate) induced assembly of microtubule protein and tubulin. Roychowdhury S, et al. **Biochemistry** 1986 Dec 2;25(24):7847–53

The reaction of Mg2+ with the Ca2+–ATPase from human red cell membranes and its modification by Ca2+. Caride AJ, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):165–77

Inhibition of oxidative phosphorylation by Ca2+ or Sr2+: a competition with Mg2+ for the formation of adenine nucleotide complexes. Fagian MM, et al. **Biochim Biophys Acta** 1986 Dec 3;852(2–3):262–8

Divalent cation effects on the binding of human anti–phospholipid antibodies. Green FA, et al. **Biochim Biophys Acta** 1987 Jan 9;896(1):47–51

Effects of divalent cations on the ultrasonic absorption coefficient of negatively charged liposomes (LUV) near their phase transition temperature. Ma LD, et al. **Biochim Biophys Acta** 1987 Aug 20;902(2):183–92

Magnesium ion effects on microtubule nucleation in vitro. Martin SR, et al. **Biochim Biophys Acta** 1987 Jul 24; 914(1):96–100

Effect of Ca2+ and Mg2+ on the uptake of Fe3+ by mouse intestinal mucosa. Raja KB, et al. **Biochim Biophys Acta** 1987 Jan 20;923(1):46–51

Modulation of Ca2+– and voltage–activated K+ channels by internal Mg2+ in salivary acinar cells. Squire LG, et

al. **Biochim Biophys Acta** 1987 May 29;899(2):171–5
Effects of ATP-MgCl2 and adenosine-MgCl2 administration on intracellular ATP levels in the kidney. Sumpio BE, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):303–8
Cation dependence of the phosphorylation of specific residues in red cell membrane protein band 3. Vasseur C, et al. **Biochim Biophys Acta** 1987 May 12;899(1):1–8
Isolation and characterization of multiple forms of Mg2+-dependent phosphatidate phosphohydrolase from rat adipose cytosol. Wells GN, et al.
Biochim Biophys Acta 1986 Sep 12;878(2):225–37
Cationic modulation of follicle-stimulating hormone binding to granulosa cell receptor. Ford KA, et al. **Biol Reprod** 1987 Apr;36(3):643–50
Stiffness of skinned rabbit psoas fibers in MgATP and MgPPi solution. Brenner B, et al. **Biophys J** 1986 Oct;50(4):685–91
Ca2+-sensitive cross-bridge dissociation in the presence of magnesium pyrophosphate in skinned rabbit psoas fibers. Brenner B, et al. **Biophys J** 1986 Dec;50(6):1101–8
Sister chromatid exchanges in rat pleural mesothelial cells treated with crocidolite, attapulgite, or benzo 3–4 pyrene. Achard S, et al. **Br J Ind Med** 1987 Apr;44(4):281–3
Magnesium-free medium activates seizure-like events in the rat hippocampal slice. Anderson WW, et al. **Brain Res** 1986 Nov 19;398(1):215–9
Effects of magnesium on fictive locomotion induced by activation of N-methyl-D-aspartate (NMDA) receptors in the lamprey spinal cord in vitro. Brodin L, et al.
Brain Res 1986 Aug 20;380(2):244–52
Salt taste responses in the frog glossopharyngeal nerve: different receptor sites for Mg2+ and Na+. Kitada Y. **Brain Res** 1986 Aug 13;380(1):172–5
Differential ontogeny of divalent cation effects on rat brain delta-, mu-, and kappa-opioid receptor binding. Oetting GM, et al. **Brain Res** 1987 Feb;428(2):223–7
Effects of reduced magnesium on hippocampal synchrony. Schneiderman JH, et al. **Brain Res** 1987 Apr 28; 410(1):174–8
Mg2+-Ca2+ interaction in contractility of vascular smooth muscle: Mg2+ versus organic calcium channel blockers on myogenic tone and agonist-induced responsiveness of blood vessels. Altura BM, et al.
Can J Physiol Pharmacol 1987 Apr;65(4):729–45 (91 ref.)
Effect of magnesium on nickel-induced genotoxicity and cell transformation. Conway K, et al. **Carcinogenesis** 1987 Aug; 8(8):1115–21
Nickel—magnesium interactions in carcinogenesis: dose effects and involvement of natural killer cells. Kasprzak KS, et al. **Carcinogenesis** 1987 Jul;8(7):1005–11
A possible role for Mg2+ ions in the induction of meiotic maturation of Xenopus oocyte. Bellé R, et al.
Cell Differ 1986 Dec;19(4):253–61
Calcium and magnesium dependence of spontaneous and evoked afferent neural activity in the lateral-line organ of Xenopus laevis. Drescher DG, et al.
Comp Biochem Physiol [A] 1987;87(2):305–10
Formation of calcium oxalate urolithiasis in experiment and its inhibition by pyridoxine and magnesium. Kridl J, et al. **Czech Med** 1986;9(3):124–9
Magnesium-dependent attachment and neurite outgrowth by PC12 cells on collagen and laminin substrata. Turner DC, et al. **Dev Biol** 1987 Jun;121(2):510–25
The effect of monovalent and divalent cations on the ATP-dependent Ca2+-binding and phosphorylation during the reaction cycle of the sarcoplasmic reticulum Ca2+-transport ATPase. Medda P, et al.
Eur J Biochem 1987 Jun 1;165(2):251–9
The effect of extracellular Ca and Mg on mitochondrial ultrastructure in isolated intact neurons. Petrunyaka VV, et al. **Eur J Cell Biol** 1987 Jun;43(3):438–42
Magnesium inhibits basal release of endothelium-derived relaxing factor in canine coronary arteries. Ann HS, et al. **Eur J Pharmacol** 1986 Nov 4;130(3):353–5
Control of membrane permeability in animal cells by divalent cations. Otero MJ, et al. **Exp Cell Res** 1987 Apr; 169(2):531–42
High extracellular Ca2+ and Mg2+ stimulate accumulation of inositol phosphates in bovine parathyroid cells. Brown E, et al. **FEBS Lett** 1987 Jun 22;218(1):113–8
On an Mg2+-dependent interaction of actin with glyceraldehyde-phosphate dehydrogenase. The fundamental role of KCl in the organization of F-actin. Lanzara V, et al. **FEBS Lett** 1987 Sep 14;221(2):387–90
Higher order folding of chromatin is induced in different ways by monovalent and by bivalent cations. Makarov VL, et al. **FEBS Lett** 1987 Feb 23;212(2):263–6
Role of Mg2+ in the ribozyme system. Toh H, et al.
FEBS Lett 1987 Jul 27;219(2):279–82
Effects of magnesium and sodium ions on the outer membrane permeability of cephalosporins in Escherichia coli. Yamaguchi A, et al. **FEBS Lett** 1986 Nov 10;208(1):43–7
Influence of magnesium on glucose tolerance. Acute hypermagnesaemia reduces the glucose tolerance independently on hormonal indicators. Zofková I, et al. **Horm Metab Res** 1987 May;19(5):228–9
Evidence that prostacyclin mediates the vascular action of magnesium in humans. Nadler JL, et al. **Hypertension** 1987 Apr;9(4):379–83
Influence of magnesium on blood pressure and the effect of nifedipine in rats. Overlack A, et al. **Hypertension** 1987 Feb;9(2):139–43
Protection against ill effects of aspirin on chromosomes in allium root tips by ascorbic acid or magnesium ions—pilot study. Rathore HS. **Indian J Med Sci** 1986 Dec; 40(12):304–6
Selective actions of calcium antagonistic drugs on the haemodynamics and regional organ blood flow in rats. McCann E, et al. **Int J Tissue React** 1986;8(3):205–12
The effect of GTP and Mg2+ on the GTPase activity and the fluorescent properties of Go. Higashijima T, et al.
J Biol Chem 1987 Jan 15;262(2):757–61
Effects of Mg2+ and the beta gamma-subunit complex on the interactions of guanine nucleotides with G proteins. Higashijima T, et al. **J Biol Chem** 1987 Jan 15;262(2):762–6
Interactions between spermine and Mg2+ on mitochondrial Ca2+ transport. Lenzen S, et al. **J Biol Chem** 1986 Dec 15;261(35):16478–83
Rapid calcium release from cardiac sarcoplasmic reticulum vesicles is dependent on Ca2+ and is modulated by Mg2+, adenine nucleotide, and calmodulin. Meissner G, et al.
J Biol Chem 1987 Mar 5;262(7):3065–73
Characteristics of Mg2+-dependent, ATP-activated Ca2+ transport in synaptic and microsomal membranes and in permeabilized synaptosomes. Michaelis ML, et al.
J Biol Chem 1987 Mar 25;262(9):4182–9
Na+/Ca2+ antiport in cultured arterial smooth muscle cells. Inhibition by magnesium and other divalent cations. Smith JB, et al. **J Biol Chem** 1987 Sep 5;262(25):11988–94
Activation of alkaline phosphatase with Mg2+ and Zn2+ in rat hepatoma cells. Accumulation of apoenzyme. Sorimachi K. **J Biol Chem** 1987 Feb 5;262(4):1535–41
Modulation of the hydrolysis rate of the ADP-insensitive phosphoenzyme of the sarcoplasmic reticulum ATPase by H+ and Mg2+. Wakabayashi S, et al. **J Biol Chem** 1987 Jul 5;262(19):9121–9
The GTP-binding protein of rod outer segments. II. An essential role for Mg2+ in signal amplification. Yamazaki A, et al. **J Biol Chem** 1987 Jul 5;262(19):9324–31
The effect of [Mg2+] on the Ca2+ dependence of ATPase and tension development of fast skeletal muscle. The role of the Ca2+-specific sites of troponin C. Zot AS, et al.
J Biol Chem 1987 Feb 15;262(5):1966–9
Calcium-independent contraction in lysed cell models of teleost retinal cones: activation by unregulated myosin light chain kinase or high magnesium and loss of cAMP inhibition. Burnside B, et al. **J Cell Biol** 1987 Jul; 105(1):397–402
Comparison of the feedback effect of magnesium and calcium on parathyroid hormone secretion in man. Ferment O, et al. **J Endocrinol** 1987 Apr;113(1):117–22
Blockade of current through single calcium channels by Cd2+, Mg2+, and Ca2+. Voltage and concentration dependence of calcium entry into the pore. Lansman JB, et al. **J Gen Physiol** 1986 Sep;88(3):321–47
Single channel measurements of the calcium release channel from skeletal muscle sarcoplasmic reticulum. Activation by Ca2+ and ATP and modulation by Mg2+. Smith JS, et al. **J Gen Physiol** 1986 Nov;88(5):573–88
Interaction of magnesium ion, oxygen tension, and temperature in the production of toxic-shock-syndrome toxin-1 by Staphylococcus aureus. Kass EH, et al.
J Infect Dis 1987 Apr;155(4):812–5
Magnesium ions inhibit the stimulation of inositol phospholipid hydrolysis by endogenous excitatory amino acids in primary cultures of cerebellar granule cells. Nicoletti F, et al. **J Neurochem** 1987 Mar;48(3):967–73
The effects of high Mg2+-to-Ca2+ ratios on frequency potentiation in hippocampal slices of young and aged rats. Landfield PW, et al. **J Neurophysiol** 1986 Sep;56(3):797–811
Suppression of the membrane defect by divalent cations in the Drosophila mutant shibire. Costello WJ, et al.
J Neurosci 1986 Dec;6(12):3634–9
Cation effects on taurine release from brain slices: comparison to GABA. Oja SS, et al. **J Neurosci Res** 1987;17(3):302–11
Influence of dietary magnesium on fluoride bioavailability in the rat. Cerklewski FL. **J Nutr** 1987 Mar;117(3):496–500
Responses to excess dietary magnesium as affected by experimental Eimeria acervulina infection or by dietary ammonium chloride ingestion in the chick. Giraldo CA, et al. **J Nutr** 1987 Jun;117(6):1053–9
Effects of magnesium chloride on the contractile response of uterus to several agonists in Ca-free solution. D'Ocón MP, et al. **J Pharm Pharmacol** 1987 Jun;39(6):444–8
Influence of Mg++ on the effect of diltiazem to increase dihydropyridine binding to receptors on Ca++-channels in chick cardiac and skeletal muscle membranes. Maan AC, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):768–74
Effects of calcium and magnesium on transmitter release at Ia synapses of rat spinal motoneurones in vitro. Kuno M, et al. **J Physiol (Lond)** 1986 Jul;376:543–53
Dependence of junctional conductance on proton, calcium and magnesium ions in cardiac paired cells of guinea-pig. Noma A, et al. **J Physiol (Lond)** 1987 Jan;382:193–211
Mechanism of inhibition of bovine pineal gland hydroxyindole-O-methyltransferase (EC 2.1.1.4) by divalent cations. Morton DJ. **J Pineal Res** 1987; 4(3):295–303
The effects of Mg2+ ions or EDTA on nuclear integrity and apparent subcellular distribution of unoccupied oestrogen receptors in breast cancer cells. Nelson J, et al.
J Steroid Biochem 1986 Nov;25(5A):619–26
Effects of manganese, calcium, magnesium, and zinc on nickel-induced suppression of murine natural killer cell activity. Smialowicz RJ, et al.
J Toxicol Environ Health 1987;20(1–2):67–80
The effect of magnesium aspartate, xylazine and morphine on the immobilization-induced increase in the levels of prolactin in turkey plasma. Ali BH, et al.
J Vet Pharmacol Ther 1987 Jun;10(2):119–26
Comparative effects of Mg, Ca, Sr, and verapamil on the uterine longitudinal muscle of spayed and estrogen-treated rats. Osa T, et al. **Jpn J Physiol** 1986;36(5):871–89
Spontaneous neural activity of a mechanoreceptive system is undiminished by replacement of external calcium with equimolar magnesium in the presence of EGTA. Drescher DG, et al. **Life Sci** 1987 Apr 6;40(14):1371–7
Modulation of phosphatidylinositol-4,5-bisphosphate hydrolysis in rat aorta by guanine nucleotides, calcium and magnesium. Roth BL. **Life Sci** 1987 Aug 3;41(5):629–34
Systemic and regional hemodynamic effect of acute magnesium administration in the normotensive and hypertensive state. DiPette DJ, et al. **Magnesium** 1987; 6(3):136–49
Magnesium-nucleic acid conformational changes and cancer. Theophanides T, et al. **Magnesium** 1986;5(5–6):221–33
Dietary magnesium intake influences exercise capacity and hematologic parameters in rats. Keen CL, et al.
Metabolism 1987 Aug;36(8):788–93
Evidence for a magnesium-insensitive membrane resistance increase during NMDA-induced depolarizations in rat neocortical neurons in vitro. Sutor B, et al.
Neurosci Lett 1987 Apr 10;75(3):317–22
Epileptiform activity in combined slices of the hippocampus, subiculum and entorhinal cortex during perfusion with low magnesium medium. Walther H, et al. **Neurosci Lett** 1986 Aug 29;69(2):156–61
Site-specific recombination and topoisomerization by Tn21 resolvase: role of metal ions. Castell SE, et al.
Nucleic Acids Res 1986 Sep 25;14(18):7213–26
The influence of magnesium ion and ascorbic acid on the erythrocytic schizogony of Plasmodium vivax. Brockelman CR, et al. **Parasitol Res** 1987;73(2):107–12
Stimulant-like effects of magnesium on aggression in mice. Izenwasser SE, et al. **Pharmacol Biochem Behav** 1986 Dec; 25(6):1195–9
Fluoride, magnesium and dental caries. Current aspects. Luoma H. **Proc Finn Dent Soc** 1986;82(5–6):290–7
Role of endothelium in magnesium-induced relaxation of rat aorta. Ebeigbe AB, et al. **Res Exp Med (Berl)** 1987; 187(1):25–31
Effects of calcium and magnesium intakes and feeding level during the dry period on bone resorption in dairy cows at parturition. Van de Braak AE, et al. **Res Vet Sci** 1987 Jul;43(1):7–12
Effect of a sport drink mixture with and without addition of fluoride and magnesium on plaque formation, dental caries and general health of rats. Sorvari R, et al.
Scand J Dent Res 1986 Dec;94(6):483–90
Effects of extracellular calcium and magnesium on bile-salt-stimulated amylase release from rat pancreatic acini. Duan RD, et al. **Scand J Gastroenterol** 1986 Dec; 21(10):1211–6
Effects of magnesium acetate on the toxicity of nickelous acetate in rats. Kasprzak KS, et al. **Toxicology** 1986 Dec 1;42(1):57–68
Role of magnesium in the growth of calcium oxalate monohydrate and calcium oxalate dihydrate crystals. Oka T, et al. **Urol Int** 1987;42(2):89–93
On the role of magnesium in the reaction of the pyruvate kinase from Salmonella typhimurium. Garcia-Olalla C, et al. **Z Naturforsch [C]** 1986 Nov-Dec;41(11–12):1018–22
[Does magnesium stimulate adrenocortical secretion?] Zofková I, et al. **Cas Lek Cesk** 1986 Oct 3;125(40):1249–50 (Eng. Abstr.) **(Cze)**
[Influence of calcic and magnesic sulphurous thermal water on the metabolism of lipoproteins in the rat] Toussaint C, et al. **Arch Int Physiol Biochim** 1986 Jun;94(2):65–76 (Eng. Abstr.) **(Fre)**
[The influence of 2 topical digestive agents on the pharmacokinetics of acetylsalicylic acid] Fredj G, et al. **J Pharm Belg** 1986 May-Jun;41(3):133–8 (Eng. Abstr.) **(Fre)**
[Do antacids with high acid-binding capacity modify mineral metabolism?] Dollinger HC, et al. **Fortschr Med** 1987;105 Suppl 19:10–4 (Eng. Abstr.) **(Ger)**
[The effect of magnesium on the formation of toxic shock syndrome toxin 1 (TSST-1) by Staphylococcus aureus] Dickgiesser N, et al.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1987 Mar; 263(4):572–6 (Eng. Abstr.) **(Ger)**
[Effect of magnesium chloride on various indicators of the leukocyte and erythrocyte systems and blood balance] Mach Z, et al. **Folia Med Cracov** 1986;27(3–4):195–206 (Eng. Abstr.) **(Pol)**
[Relation between Mg2+ activation and AMP inhibition of fructose-1,6-diphosphatase from rabbit skeletal muscles] Nikulin IR, et al. **Biokhimiia** 1987 Feb;52(2):270–8 (Eng. Abstr.) **(Rus)**
[Regulated self-assembly of myosin minifilaments: the effect of Mg2+ and phosphorylation of myosin light chains] Podlubnaia ZA, et al. **Dokl Akad Nauk SSSR** 1986; 290(4):1015–7 **(Rus)**
[Effect of Mn2+ and Mg2+ ions on DNA conformation] Kos'ianenko NA, et al. **Mol Biol (Mosk)** 1987 Jan-Feb; 21(1):140–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Magnesium. Wester PO. **Am J Clin Nutr** 1987 May;45(5 Suppl):1305–12

Influence of altering cellular magnesium content on vascular smooth muscle contractility. Ford GD, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):C687–95

Effect of spermine on the translocation of Mg2+–dependent phosphatidate phosphohydrolase. Jamdar SC, et al. **Biochim Biophys Acta** 1987 Feb 23;917(3):381–7

Endothelium–dependent relaxation in coronary arteries requires magnesium ions. Altura BT, et al. **Br J Pharmacol** 1987 Jul;91(3):449–51

Seizure–like discharges induced by lowering [Mg2+]o in the human epileptogenic neocortex maintained in vitro. Avoli M, et al. **Brain Res** 1987 Aug 4;417(1):199–203

Role of magnesium in health and disease. Graber TW. **Compr Ther** 1987 Jan;13(1):29–35

Hexokinase PII from Saccharomyces cerevisiae is regulated by changes in the cytosolic Mg2+–free ATP concentration. Moreno F, et al. **Eur J Biochem** 1986 Dec 15;161(3):565–9

Magnesium and lipids in cardiovascular disease. Rayssiguier Y, et al. **J Am Coll Nutr** 1986;5(6):507–19 (115 ref.)

Magnesium and hypertension. Wester PO, et al. **J Am Coll Nutr** 1987 Aug;6(4):321–8 (71 ref.)

Effects of altered dietary calcium intake in experimental hypertension: role of intracellular free magnesium. Resnick LM, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S182–5

Control of thallium and sodium fluxes in isolated adult rat heart cells by anthopleurin–A, verapamil and magnesium. Hunter DR, et al. **J Mol Cell Cardiol** 1986 Nov; 18(11):1125–32

Intracellular free magnesium in frog skeletal muscle fibres measured with ion–selective micro–electrodes. Alvarez–Leefmans FJ, et al. **J Physiol (Lond)** 1986 Sep; 378:461–83

Unresolved questions of renal magnesium homeostasis. Beyenbach KW. **Magnesium** 1986;5(5–6):234–47 (48 ref.)

Magnesium as a regulatory cation: criteria and evaluation. Grubbs RD, et al. **Magnesium** 1987;6(3):113–27 (78 ref.)

Magnesium and the cardiovascular system [letter] Horn B. **Magnesium** 1987;6(2):109–11

Role of magnesium and other divalent cations in ATP–utilizing enzymes. Mildvan AS. **Magnesium** 1987; 6(1):28–33

Effects of aging, chronic disease, and multiple supplements on magnesium requirements. Mountokalakis TD. **Magnesium** 1987;6(1):5–11

Effects of drugs on magnesium requirements. Zumkley H, et al. **Magnesium** 1987;6(1):12–7

Ohmic conductance through the inwardly rectifying K channel and blocking by internal Mg2+. Matsuda H, et al. **Nature** 1987 Jan 8–14;325(7000):156–9

An N–methyl–D–aspartate receptor–independent excitatory action of partial reduction of extracellular [Mg2+] in CA1–region of rat hippocampal slices. Hamon B, et al. **Neurosci Lett** 1987 Mar 31;75(2):240–5

Facilitated induction of hippocampal long–term potentiation in slices perfused with low concentrations of magnesium. Huang YY, et al. **Neuroscience** 1987 Jul;22(1):9–16

N–methylaspartate receptors mediate epileptiform activity evoked in some, but not all, conditions in rat neocortical slices. Thomson AM, et al. **Neuroscience** 1986 Dec; 19(4):1161–77

Role of intracellular Mg2+ in the activation of muscarinic K+ channel in cardiac atrial cell membrane. Kurachi Y, et al. **Pflugers Arch** 1986 Nov;407(5):572–4

Inward rectification of a potassium channel in cardiac ventricular cells depends on internal magnesium ions. Vandenberg CA. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2560–4

Interaction of vasopressin with human blood platelets: dependency on Mg2+. Roos I, et al. **Thromb Haemost** 1986 Dec 15;56(3):260–2

POISONING

Cations and hypertension: sodium, potassium, calcium, and magnesium. Maxwell MH, et al. **Med Clin North Am** 1987 Sep;71(5):859–75 (154 ref.)

THERAPEUTIC USE

Antacid treatment of duodenal ulcer. Becker U, et al. **Acta Med Scand** 1987;221(1):95–101

Does exogenous magnesium suppress myocardial irritability and tachyarrhythmias in the nondigitalized patient? Zwerling HK. **Am Heart J** 1987 Apr;113(4):1046–53

Magnesium in the prevention of lethal arrhythmias in acute myocardial infarction. Abraham AS, et al. **Arch Intern Med** 1987 Apr;147(4):753–5

Effect of magnesium supplementation on blood pressure and electrolyte concentrations in hypertensive patients receiving long term diuretic treatment. Henderson DG, et al. **Br Med J [Clin Res]** 1986 Sep 13;293(6548):664–5

Magnesium infusion reduces the incidence of arrhythmias in acute myocardial infarction. A double–blind placebo–controlled study. Rasmussen HS, et al. **Clin Cardiol** 1987 Jun;10(6):351–6

A randomized clinical trial comparing ranitidine and antacids in critically ill patients. Noseworthy TW, et al. **Crit Care Med** 1987 Sep;15(9):817–9

Magnesium and cardiac arrhythmias: nutrient or drug? Laban E, et al. **J Am Coll Nutr** 1986;5(6):521–32 (124 ref.)

The ionic basis of the anti–ischemic and anti–arrhythmic properties of magnesium in the heart. Shattock MJ, et al. **J Am Coll Nutr** 1987 Feb;6(1):27–33 (58 ref.)

Empiric antacids and reassurance for acute dyspepsia. Goodson JD, et al. **J Gen Intern Med** 1986 Mar–Apr; 1(2):90–3

Prevention of stress–induced damage in experimental animals and livestock by monomagnesium–L–aspartate hydrochloride. Classen HG, et al. **Magnesium** 1987; 6(1):34–9

Blockade of excitatory amino acid receptors protects anoxic hippocampal slices. Clark GD, et al. **Neuroscience** 1987 Jun;21(3):665–71

Cerebral resuscitation after cardiac arrest using hetastarch hemodilution, hyperbaric oxygenation and magnesium ion. Ruiz E, et al. **Resuscitation** 1986 Dec;14(4):213–23

Antacids for peptic ulcer: do we have anything better? Berstad A, et al. **Scand J Gastroenterol [Suppl]** 1986; 125:32–41

[Recurrent ventricular fibrillation treated with magnesium] Jensen PK, et al. **Ugeskr Laeger** 1987 Mar 2;149(10):663–4 (Eng. Abstr.) **(Dan)**

[Dietary magnesium and mineralocorticoid DOCA–salt hypertension in the rat. Effect on the metabolism of sodium and magnesium] Luthringer C, et al. **Arch Mal Coeur** 1986 Jun;79(6):871–4 (Eng. Abstr.) **(Fre)**

[Magnesium hydroxide treatment of hyperphosphatemia in chronic hemodialysis patients with an aluminum overload] Roujouleh H, et al. **Nephrologie** 1987;8(2):45–50 (Eng. Abstr.) **(Fre)**

[Value of magnesium chloride in supraventricular paroxysmal tachycardia and tachycardia caused by auricular fibrillation (letter)] Floriot C, et al. **Presse Med** 1987 May 9;16(17):829 **(Fre)**

[Magaldrate compared to ranitidine. The healing rate of stomach ulcer using magaldrate (100 mmol/d) versus ranitidine (300 mg/d)] Miederer SE, et al. **Fortschr Med** 1986 Dec 9;104 Suppl 3:921–5 (Eng. Abstr.) **(Ger)**

[Magaldrate (100 mmol/d) versus ranitidine (300 mg/d). Healing rates of stomach ulcer in a German double–blind study] Miederer SE, et al. **Med Klin** 1986 Mar 11; 81(5):162–5 (Eng. Abstr.) **(Ger)**

[Urinary excretion of magnesium in recurrent calcic nephrolithiasis. Evaluation on different dietary regimens] Tizzani A, et al. **Minerva Urol Nefrol** 1987 Jan–Mar; 39(1):13–7 (Eng. Abstr.) **(Ita)**

[Effect of the preparation Trimag on cerebral bioelectrical activity] Stratone A, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan–Mar;90(1):181–5 **(Rum)**

TOXICITY

The lung biological activity of American attapulgite. Bégin R, et al. **Environ Res** 1987 Apr;42(2):328–39

Effect of calcitonin on the magnesium–induced bone resorption in the mouse. Marie PJ, et al. **Magnesium** 1987; 6(2):100–8

URINE

Acute effect of amiloride on urinary magnesium excretion in dogs. Altenberg GA, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(2):89–92

Blood pressure and urinary cations in urban Bantu of Zaire. M'Buyamba–Kabangu JR, et al. **Am J Epidemiol** 1986 Dec; 124(6):957–68

An estimate of the ion–activity product of magnesium ammonium phosphate in urine. Tiselius HG, et al. **Eur Urol** 1986;12(5):346–9

A multi–centre study on within–person variability in the urinary excretion of sodium, potassium, calcium, magnesium and creatinine in 8 European centres. Knuiman JT, et al. **Hum Nutr Clin Nutr** 1986 Sep;40(5):343–8

The relationship between cations and blood pressure in the People's Republic of China. Kesteloot H, et al. **Hypertension** 1987 Jun;9(6):654–9

Relationships between blood pressure and urinary sodium, potassium, calcium and magnesium in Bantu of Zaire. M'Buyamba–Kabangu JR, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S27–30

Additive effects of glucagon and vasopressin on renal Mg reabsorption and urine concentrating ability in the rat. Elalouf JM, et al. **Pflugers Arch** 1986;407 Suppl 2:S66–71

[The relationship between sodium, potassium, calcium and magnesium in the urine and blood pressure] Zhu KM. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1987 Feb; 8(1):9–13 (Eng. Abstr.) **(Chi)**

[Asymptomatic hypokalemia and hypomagnesemia with renal cation loss (Gitelman syndrome)] Pistor K, et al. **Monatsschr Kinderheilkd** 1987 Jun;135(6):340–2 (Eng. Abstr.) **(Ger)**

[Evaluation of the effects of vincristine, adriamycin and cyclophosphamide on urinary excretion of magnesium in healthy rats] Derentowicz P, et al. **Pneumonol Pol** 1986 Aug;54(8):342–7 (Eng. Abstr.) **(Pol)**

MAGNESIUM ATPASE see **ADENOSINE TRIPHOSPHATASE, MAGNESIUM**

MAGNESIUM DEFICIENCY

Potassium/magnesium depletion: is your patient at risk of sudden death? Proceedings of a symposium. September 14, 1986, Washington, D.C. **Am J Med** 1987 Mar 20; 82(3A):1–53

Magnesium deficiency: causes and effects. Flink EB. **Hosp Pract [Off]** 1987 Feb 15;22(2):116A–116I, 116O–116P

BLOOD

Status of the mononuclear blood cell magnesium assay. Elin RJ. **J Am Coll Nutr** 1987 Apr;6(2):105–7

Plasma catecholamines in acute magnesium deficiency in weanling rats. Caddell J, et al. **J Nutr** 1986 Oct; 116(10):1896–901

CHEMICALLY INDUCED

Use of magnesium sulfate in alcohol withdrawal. Embry CK, et al. **Am Fam Physician** 1987 May;35(5):167–70

Potassium/magnesium depletion in patients with cardiovascular disease. Dyckner T, et al. **Am J Med** 1987 Mar 20;82(3A):11–7

Magnesium depletion, diu~tics, and arrhythmias. Hollifield JW. **Am J Med** 1987 Mar 20;82(3A):30–7

Diuretics and potassium/magnesium depletion. Directions for treatment. Ryan MP. **Am J Med** 1987 Mar 20;82(3A):38–47

An animal model of cisplatin–induced magnesium deficiency. Ormond T, et al. **Arch Toxicol [Suppl]** 1987;11:270–2

Magnesium depletion in patients on long–term chlorthalidone therapy for essential hypertension. Cocco G, et al. **Eur J Clin Pharmacol** 1987;32(4):335–8

Effects of drugs on magnesium requirements. Zumkley H, et al. **Magnesium** 1987;6(1):12–7

[Disorders of magnesium/calcium metabolism related to cisplatin therapy] Jensen JB, et al. **Ugeskr Laeger** 1986 Dec 8;148(50):3374–5 (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Magnesium and lipids in cardiovascular disease. Rayssiguier Y, et al. **J Am Coll Nutr** 1986;5(6):507–19 (115 ref.)

Decreased maternal serum magnesium concentration and adverse fetal outcome in insulin–dependent diabetic women. Mimouni F, et al. **Obstet Gynecol** 1987 Jul; 70(1):85–8

Severe renal osteodystrophy without elevated serum immunoreactive parathyroid hormone concentrations in hypomagnesemia due to renal magnesium wasting. Zelikovic I, et al. **Pediatrics** 1987 Mar;79(3):403–9

[Recurrent ventricular fibrillation treated with magnesium] Jensen PK, et al. **Ugeskr Laeger** 1987 Mar 2;149(10):663–4 (Eng. Abstr.) **(Dan)**

[A case of torsade de pointes caused by hypomagnesemia] Orlandi C. **G Ital Cardiol** 1986 Dec;16(12):1062–5 (Eng. Abstr.) **(Ita)**

[A case of paroxysmal tachycardia of the torsade de pointes type: the role of magnesium in the etiology and treatment] Szyszka A, et al. **Pol Tyg Lek** 1986 Jun 23–30; 41(25–26):839–40 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

A magnesium load test in the diagnosis of magnesium deficiency. Holm CN, et al. **Hum Nutr Clin Nutr** 1987 Jul; 41(4):301–6

Polysomnographic research in sleep disorders associated with magnesium deficiency. Popoviciu L, et al. **Neurol Psychiatr (Bucur)** 1987 Apr–Jun;25(2):83–90

ETIOLOGY

Magnesium deficiency in alcoholism. Flink EB. **Alcoholism (NY)** 1986 Dec;10(6):590–4 (46 ref.)

Neurologic dysfunction in postpartum patients caused by hypomagnesemia. Ravindran RS, et al. **Anesthesiology** 1987 Mar;66(3):391–2

Low extracellular magnesium induces epileptiform activity and spreading depression in rat hippocampal slices. Mody I, et al. **J Neurophysiol** 1987 Mar;57(3):869–88

[Magnesium deficiency—causes, clinical aspects and therapy] Péter P, et al. **Z Arztl Fortbild (Jena)** 1987;81(2):85–6 **(Ger)**

FAMILIAL & GENETIC

Primary hypomagnesaemia. A case report and literature review. Dudin KI, et al. **Eur J Pediatr** 1987 May; 146(3):303–5

Renal magnesium wasting in two families with autosomal dominant inheritance. Geven WB, et al. **Kidney Int** 1987 May;31(5):1140–4

IMMUNOLOGY

Magnesium–deficient hairless rat: spleen cells mitogenic responses and variations in hormonal status. Barbier A, et al. **Agents Actions** 1986 Dec;19(5–6):341–3

METABOLISM

Hypophosphatemia and hypomagnesemia result in cardiovascular dysfunction: theoretical basis for alcohol–induced cellular injury. Brautbar N, et al. **Alcoholism (NY)** 1987 Apr;11(2):118–26

Magnesium deficiency: pathogenesis, prevalence, and clinical

implications. Whang R. **Am J Med** 1987 Mar 20; 82(3A):24–9

Effect of magnesium depletion on metabolism of 25-hydroxyvitamin D in rats. Carpenter TO, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):E106–13

Specific change of histamine metabolism in acute magnesium-deficient young rats. Nishio A, et al. **Drug Nutr Interact** 1987;5(2):89–96

Tissue minerals of magnesium-deficient rats with thiamine deficiency and excess. Itokawa Y. **Magnesium** 1987; 6(1):48–54

Effect of magnesium depletion on 3H-ouabain binding site concentration in rat skeletal muscle. Kjeldsen K, et al. **Magnesium** 1987;6(1):55–60

[Action of a dietary Mg2+ deficiency and overload in the male rat: measurement of certain parameters of testicular and spermatozoan activity] Neauport C, et al. **C R Soc Biol (Paris)** 1986;180(2):151–8 (Eng. Abstr.) **(Fre)**

[Magnesium deficiency: basic concepts and clinical realities] Lasserre B. **Rev Med Suisse Romande** 1987 May; 107(5):411–20 **(Fre)**

[Hypomagnesemia and vitamin D metabolism] Traba Villameytide M, et al. **Rev Clin Esp** 1986 Dec;179(9):437–8 **(Spa)**

OCCURRENCE

The role of calcium, magnesium, and zinc in carcinogenesis. Kasprzak KS, et al. **Adv Exp Med Biol** 1986;206:497–515

Prevalence of magnesium and potassium deficiencies in the elderly. Touitou Y, et al. **Clin Chem** 1987 Apr;33(4):518–23

PATHOLOGY

Pulmonary lesion induced by stress in magnesium-deficient rats. A light- and electron-microscopic study [published erratum appears in Am J Pathol 1987 Sep;128(3):393] Caddell JL, et al. **Am J Pathol** 1987 Jun;127(3):430–40

[Effects of magnesium deficiency on dermal mast cells in rats] Ishiguro S, et al. **Nippon Yakurigaku Zasshi** 1987 Mar; 89(3):121–7 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Effects of low potassium or magnesium concentrations on isolated cardiac tissue. Roden DM, et al. **Am J Med** 1987 Mar 20;82(3A):18–23

Clinical manifestations of hypomagnesemia. Kingston ME, et al. **Crit Care Med** 1986 Nov;14(11):950–4

Clinical significance of magnesium: a review. Gums JG. **Drug Intell Clin Pharm** 1987 Mar;21(3):240–6 (41 ref.)

Acute extracellular magnesium deficiency and myocardial tolerance to ischemia. Borchgrevink PC, et al. **J Am Coll Nutr** 1987 Apr;6(2):125–30

Acquired magnesium deficiency and myocardial tolerance to ischemia. Borchgrevink PC, et al. **J Am Coll Nutr** 1987 Aug;6(4):355–63

Magnesium deprivation inhibits the expression of differentiation-related phenotypes in human promyelocytic leukemia HL-60 cells. Okazaki T, et al. **J Cell Physiol** 1987 Apr;131(1):50–7

Magnesium deficiency produces endothelium-dependent vasorelaxation in canine coronary arteries. Ku DD, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):961–6

Routine serum magnesium determination--a continuing unrecognized need. Whang R. **Magnesium** 1987;6(1):1–4

Glucose homeostasis in magnesium-deficient rats. Legrand C, et al. **Metabolism** 1987 Feb;36(2):160–4

[Magnesium-deficiency syndrome] Zumkley H. **Med Monatsschr Pharm** 1987 Jan;10(1):6–9 **(Ger)**

PREVENTION & CONTROL

Cardiovascular therapeutics in the 1980s: "an ounce of prevention ..." Hollenberg NK. **Am J Med** 1987 Mar 20; 82(3A):1–3

URINE

[Asymptomatic hypokalemia and hypomagnesemia with renal cation loss (Gitelman syndrome)] Pistor K, et al. **Monatsschr Kinderheilkd** 1987 Jun;135(6):340–2 (Eng. Abstr.) **(Ger)**

VETERINARY

Influence of a deficient supply of magnesium during the dry period on the rate of calcium mobilisation by dairy cows at parturition. van de Braak AE, et al. **Res Vet Sci** 1987 Jan;42(1):101–8

MAGNESIUM HYDROXIDE see under **MAGNESIUM**

MAGNESIUM OXIDE

ADVERSE EFFECTS

[Amiloride and magnesium. Severe interaction between amiloride and over-the-counter drugs containing magnesium] Henderson DG. **Ugeskr Laeger** 1987 Jan 5; 149(2):92 (Eng. Abstr.) **(Dan)**

THERAPEUTIC USE

Correction of subnormal fertility with copper and magnesium supplementation. Ingraham RH, et al. **J Dairy Sci** 1987 Jan;70(1):167–80

MAGNESIUM SULFATE

Doctor Nehemiah Grew (1641–1712) and the Epsom salts. Sakula A. **Clio Med** 1984;19(1–2):1–21

Procaine versus magnesium in cardioplegia solution. A prospective study. Vercillo AP, et al. **Conn Med** 1987 Feb; 51(2):74–6

Evaluation of chloral hydrate and magnesium sulphate sedation in buffalo calves (Bubalus bubalis). Costa AG, et al. **Zentralbl Veterinarmed [A]** 1986 Jul;33(5):349–52

ADMINISTRATION & DOSAGE

Lamicel versus laminaria for cervical dilation before early second-trimester abortion: a randomized clinical trial. Grimes DA, et al. **Obstet Gynecol** 1987 Jun;69(6):887–90

[Treatment of torsade des pointes by intravenous magnesium] Artigou JY, et al. **Arch Mal Coeur** 1986 Jun;79(7):1094–8 (Eng. Abstr.) **(Fre)**

[Combined therapy with magnesium sulfate and terbutaline for preterm labor tocolysis] Kishikawa T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Sep;38(9):1670–3 **(Jpn)**

ADVERSE EFFECTS

The use of magnesium sulfate for tocolysis in preterm labor complicated by twin gestation and betamimetic-induced pulmonary edema. Ogburn PL Jr, et al. **Acta Obstet Gynecol Scand** 1986;65(7):793–4

Profound hypotension complicating magnesium therapy [letter] Frohlich EP. **Am J Obstet Gynecol** 1987 Aug; 157(2):513

Maternal hypothermia: an unusual complication of magnesium sulfate therapy. Rodis JF, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):435–6

Accidental epidural magnesium sulfate injection. Dror A, et al. **Anesth Analg** 1987 Oct;66(10):1020–1

Severe hypermagnesaemia due to magnesium sulphate enemas in patients with hepatic coma [published erratum appears in Br Med J [Clin Res] 1986 Nov 8;293(6556):1222] Collinson PO, et al. **Br Med J [Clin Res]** 1986 Oct 18; 293(6553):1013–4

METABOLISM

The effect of oxytocin infusion on the pharmacokinetics of intramuscular magnesium sulfate therapy. Bloss JD, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):156–60

PHARMACODYNAMICS

Effects of the intravenous administration of magnesium sulfate on corrected serum calcium level and nephrogenous cyclic AMP excretion in normal human subjects. Suzuki K, et al. **Calcif Tissue Int** 1986 Nov;39(5):304–9

Regulation of Bacillus subtilis macrofiber twist development by ions: effects of magnesium and ammonium. Mendelson NH, et al. **J Bacteriol** 1987 Feb;169(2):519–25

Thermic effects of tocolytic agents: decreased temperature with magnesium sulfate. Parsons MT, et al. **Obstet Gynecol** 1987 Jan;69(1):88–90

[Feedback of the magnesium ion on the parathyroid hormone: differences in the action of magnesium sulfate and pyrrolidone carboxylate] Ferment O, et al. **Pathol Biol (Paris)** 1986 Oct;34(8):951–4 (Eng. Abstr.) **(Fre)**

[Changes in blood coagulation, thrombocyte function and vascular prostacyclin synthesis caused by magnesium sulfate] Briel RC, et al. **Geburtshilfe Frauenheilkd** 1987 May;47(5):332–6 (Eng. Abstr.) **(Ger)**

[Effect of the administration of magnesium sulfate on the ventricular electrical stability of the isolated rabbit heart] Bolognesi R, et al. **Cardiologia** 1987 Jun;32(6):577–80 (Eng. Abstr.) **(Ita)**

POISONING

[Antidotal effect of 4-aminopyridine on acute poisoning induced by magnesium sulfate] Zheng W, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Mar;7(2):178–82 (Eng. Abstr.) **(Chi)**

THERAPEUTIC USE

Reduction of histamine-induced bronchoconstriction by magnesium in asthmatic subjects. Rolla G, et al. **Allergy** 1987 Apr;42(3):186–8

Use of magnesium sulfate in alcohol withdrawal. Embry CK, et al. **Am Fam Physician** 1987 May;35(5):167–70

Efficacy of magnesium sulfate in the treatment of torsade de pointes. Perticone F, et al. **Am Heart J** 1986 Oct; 112(4):847–9

Use of ritodrine, terbutaline, and magnesium sulfate in preterm labor [letter] Caritis SN. **Am J Obstet Gynecol** 1986 Dec;155(6):1357

Adjunctive magnesium sulfate infusion does not alter metabolic changes associated with ritodrine tocolysis. Ferguson JE 2d, et al. **Am J Obstet Gynecol** 1987 Jan; 156(1):103–7

Angiotensin-converting enzyme activity in hypertensive subjects after magnesium sulfate therapy. Fuentes A, et al. **Am J Obstet Gynecol** 1987 Jun;156(6):1375–9

Magnesium sulfate and ritodrine hydrochloride: a randomized comparison. Hollander DI, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):631–7

Effect of maternal magnesium sulfate treatment on fetal heart rate variability. Cañez MS, et al. **Am J Perinatol** 1987 Apr; 4(2):167–70

Management and pregnancy outcome in eclampsia at Harare Maternity Hospital [letter] De Muylder X. **Cent Afr J Med** 1986 Apr;32(4):112

Does magnesium sulfate treat eclamptic convulsions? Donaldson JO. **Clin Neuropharmacol** 1986;9(1):37–45 (106 ref.)

Acute digitalis poisoning: the role of intravenous magnesium sulfate. Reisdorff EJ, et al. **J Emerg Med** 1986;4(6):463–9 (79 ref.)

Bronchodilating effect of intravenous magnesium sulfate in bronchial asthma. Okayama H, et al. **JAMA** 1987 Feb 27; 257(8):1076–8

Efficacy of combined administration of magnesium sulfate and ritodrine in the treatment of premature labor. Hatjis CG, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):317–22

Acute pancreatitis and primary hyperparathyroidism in pregnancy: treatment of hypercalcemia with magnesium sulfate. Rajala B, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):460–2

[Therapeutic drug monitoring of magnesium sulfate in the treatment of pregnancy-induced hypertension] Cong KJ. **Chung Hua Fu Chan Ko Tsa Chih** 1987 Jan;22(1):27–31, 62 (Eng. Abstr.) **(Chi)**

[Tocolysis in diabetic patients with magnesium sulfate (letter)] Marechaud R, et al. **Presse Med** 1987 Feb 21; 16(6):313 **(Fre)**

[Protective effects of magnesium sulfate against reperfusion-induced arrhythmia in isolated and perfused rat hearts] Longobardi G, et al. **Cardiologia** 1987 Apr; 32(4):359–62 (Eng. Abstr.) **(Ita)**

MAGNETIC RESONANCE see **NUCLEAR MAGNETIC RESONANCE**

MAGNETICS

Crossmodal interaction is reflected in vertex potentials but not in evoked magnetic fields. Huttunen J, et al. **Acta Neurol Scand** 1987 Jun;75(6):410–6

Randomized data acquisition paradigm for the measurement of auditory evoked magnetic fields. Pantev C, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1986;432:21–5

Interpretation of neuromagnetic responses: two simple models for extended current sources in the human auditory cortex. Pelizzone M, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1986;432:15–20

The use of a SQUID magnetometer in the study and development of normal and artificial middle ear. Rutten WL, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1986;432:11–4

Model evaluation using electroencephalography and magnetoencephalography. Stok CJ, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1986;432:5–10

Wristwatch magnetization and demagnetization in MR installations [letter] Wagle WA. **AJNR** 1987 Jul–Aug; 8(4):735

The magnetoencephalographic localisation of source-systems in the brain: early and late components of event related potentials. Weinberg H, et al. **Alcohol** 1987 Jul–Aug; 4(4):339–45 (26 ref.)

A new orthodontic force system of magnetic brackets. Kawata T, et al. **Am J Orthod Dentofacial Orthop** 1987 Sep;92(3):241–8

The magnetic field of complex partial seizures agrees with intracranial localizations. Sutherling WW, et al. **Ann Neurol** 1987 Jun;21(6):548–58

Tumoricidal cells increased by pulsating magnetic field. Malter M, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):391–3

Static magnetic field influence on rat tail nerve function. Hong CZ, et al. **Arch Phys Med Rehabil** 1986 Oct; 67(10):746–9

Neuromagnetic responses of the human auditory cortex to on- and offsets of noise bursts. Hari R, et al. **Audiology** 1987;26(1):31–43

Causes of differences in the input-output characteristics of simultaneously recorded auditory evoked magnetic fields and potentials. Pantev C, et al. **Audiology** 1986; 25(4–5):263–76

Magnetic lipase active in organic solvents. Takahashi K, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):291–6

Chemical modification of enzymes with activated magnetic modifier. Yoshimoto T, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):908–14

Effects of low-amplitude pulsed magnetic fields on cellular ion transport. Farndale RW, et al. **Bioelectromagnetics** 1987;8(2):119–34

Transcriptional patterns in the X chromosome of Sciara coprophila following exposure to magnetic fields. Goodman R, et al. **Bioelectromagnetics** 1987;8(1):1–7

Low-intensity magnetic fields alter operant behavior in rats. Thomas JR, et al. **Bioelectromagnetics** 1986;7(4):349–57

Electrically silent magnetic fields. Roth BJ, et al. **Biophys J** 1986 Oct;50(4):739–45

Magnetic field associated with neural activities in an isolated cerebellum. Okada YC, et al. **Brain Res** 1987 May 26; 412(1):151–5

Magnetic sorting of leukocytes. Owen CS. **Cell Biophys** 1986 Aug;8(4):287–95

Feasibility of magnetic liposomes as a targeting device for drugs. Kiwada H, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4253–8

Effect of a static magnetic field on fracture healing in a rabbit radius. Preliminary results. Bruce GK, et al. **Clin Orthop** 1987 Sep;(222):300–6

Dynamics of the thrombolytic process under conditions of a constant magnetic field. Gorczyńska E. **Clin Phys Physiol Meas** 1986 Aug;7(3):225–35

Occurrence of magnetic material in teleosts. Hanson M, et al. **Comp Biochem Physiol [A]** 1987;86(1):169–72

Cortical responses to painful CO2 stimulation of nasal mucosa; a magnetoencephalographic study in man. Huttunen J, et al. **Electroencephalogr Clin Neurophysiol** 1986 Oct;64(4):347–9

Cerebral magnetic responses to stimulation of ulnar and median nerves. Huttunen J, et al. **Electroencephalogr Clin Neurophysiol** 1987 Apr; 66(4):391–400

Evidence for cortical origin of the 40 Hz auditory evoked response in man. Mäkelä JP, et al. **Electroencephalogr Clin Neurophysiol** 1987 Jun; 66(6):539–46

Study of focal epilepsy by multichannel neuromagnetic measurements. Ricci GB, et al. **Electroencephalogr Clin Neurophysiol** 1987 Apr; 66(4):358–68

Approaches to defining the intracranial generators of event-related electrical and magnetic fields. Vaughan HG Jr, et al. **Electroencephalogr Clin Neurophysiol [Suppl]** 1986; 38:505–44

Effects of an inhomogeneous magnetic field on flowing erythrocytes. Okazaki M, et al. **Eur Biophys J** 1987; 14(3):139–45

Magnetic field influence on central nervous system function. Rosen AD, et al. **Exp Neurol** 1987 Mar;95(3):679–87

A magnetic field generates morphological changes in guinea pig bone marrow. Gorczynska E. **Folia Morphol (Praha)** 1987;35(1):40–5

Geomagnetic activity and the severity of the migraine attack. Kuritzky A, et al. **Headache** 1987 Feb;27(2):87–9

Ferromagnetic screening around a superconducting magnetic resonance imager. Anderson DW, et al. **Health Phys** 1986 Oct;51(4):545–50

Survey of static magnetic fields around magnetic resonance imaging devices. Stuchly MA, et al. **Health Phys** 1987 Sep; 53(3):321–4

Corrected unipositional lead system for vector magnetocardiography. Eskola HJ, et al. **IEEE Trans Biomed Eng** 1987 Feb;34(2):81–90

Neuromagnetic evidence of synchronized spontaneous activity in the brain following repetitive sensory stimulation. Narici L, et al. **Int J Neurosci** 1987 Feb; 32(3–4):831–6

In vivo enzyme control through a strong stationary magnetic field—the case of thymidine kinase in mouse bone marrow cells. Feinendegen LE, et al. **Int J Radiat Biol** 1987 Sep; 52(3):469–79

Removal of metallic foreign bodies of the external auditory canal [letter] Mattucci KF, et al. **Int Surg** 1987 Jan–Mar; 72(1):65

Aided retention of mandibular dentures by magnets. Moosen A. **J Am Dent Assoc** 1987 Feb;114(2):153–4

Corrosion of ferromagnetic alloys used for magnetic retention of overdentures. Vrijhoef MM, et al. **J Dent Res** 1987 Sep; 66(9):1456–9

Effect of the heart–lung boundary on the magnetocardiogram [published erratum appears in J Electrocardiol 1987 Jan;20(1):80] Leifer MC, et al. **J Electrocardiol** 1986 Jan; 19(1):23–32

Effect of chronic exposure to static magnetic field upon the serum glutamic pyruvic transaminase activity GPT and morphology of the cardiac muscle, skeletal muscles, kidneys, cerebellum and lung tissue in guinea pigs. Gorczyńska E, et al. **J Hyg Epidemiol Microbiol Immunol** 1986;30(3):275–81

The effect of static magnetic field on fibrinogen degradation products level in rabbits with thrombosis. Gorczyńska E. **J Hyg Epidemiol Microbiol Immunol** 1986;30(3):269–73

Magnetic carbohydrate nanoparticles for affinity cell separation. Schröder U, et al. **J Immunol Methods** 1986 Oct 23;93(1):45–53

A precise and inexpensive magnetic field search coil system for measuring eye and head movements in small laboratory animals. Kasper HJ, et al. **J Neurosci Methods** 1987 Feb; 19(2):115–24

Performance changes of an Anger camera in magnetic fields up to 10 G. Bieszk JA. **J Nucl Med** 1986 Dec;27(12):1902–7

Retentive and stress characteristics for a magnetically retained partial overdenture. Highton R, et al. **J Oral Rehabil** 1986 Sep;13(5):443–50

Trapping of chemical carcinogens with magnetic polyethyleneimine microcapsules: II. Effect of membrane and reactant structures. Povey AC, et al. **J Pharm Sci** 1987 Mar;76(3):194–200

Trapping of chemical carcinogens with magnetic polyethyleneimine microcapsules: III. In vivo trapping of electrophiles from N-methyl-N-nitrosourea and recovery from feces. Povey AC, et al. **J Pharm Sci** 1987 Mar; 76(3):201–7

Trapping of chemical carcinogens with magnetic polyethyleneimine microcapsules: I. Microcapsule preparation and in vitro reactivity of encapsulated nucleophiles. Povey AC, et al. **J Pharm Sci** 1986 Sep; 75(9):831–7

Magnetically retained implant denture. Carlyle LW, et al. **J Prosthet Dent** 1986 Nov;56(5):583–6

Magnetocardiographic P waves in normal subjects and patients with mitral stenosis. Sumi M, et al. **Jpn Heart J** 1986 Sep;27(5):621–33

Some observations on dowsing and the human magnetic sense. Eastwood NB. **Lancet** 1987 Sep 19;2(8560):676–7

Effect of time-varying magnetic fields on the action potential in lobster giant axon. Ueno S, et al. **Med Biol Eng Comput** 1986 Sep;24(5):521–6

Biomagnetism in Japan. Kotani M, et al. **Med Prog Technol** 1987;12(3–4):233–42

Principles and clinical validity of the biomagnetic method. Romani GL, et al. **Med Prog Technol** 1986;11(3):123–59 (104 ref.)

Magnetic-field-induced skin-temperature changes of animals originate from modified air convection. Ecochard J, et al. **Naturwissenschaften** 1987 Jan;74(1):39–40

Magnetic field provokes the increase of prostacyclin in aorta of rats. Gorczynska E, et al. **Naturwissenschaften** 1986 Nov; 73(11):675–7

Effects of weak magnetic fields on background adaptation in Xenopus laevis. Leucht T. **Naturwissenschaften** 1987 Apr;74(4):192–4

Blood-forming stem cells. Reactions to low-dose irradiation, vitamin E deficiency and magnetic field. Peterson HP, et al. **Naturwissenschaften** 1986 Oct;73(10):623–5

Effects of an earth-strength magnetic field on pineal melatonin synthesis in pigeons. Reuss S, et al. **Naturwissenschaften** 1987 Jan;74(1):38–9

Modulation of auditory evoked magnetic fields by benzodiazepines. Sinton CM, et al. **Neuropsychobiology** 1986;16(4):215–8

Magnetic fields abolish nychthemeral rhythmicity of responses of Purkinje cells to the pineal hormone melatonin in the pigeon's cerebellum. Demaine C, et al. **Neurosci Lett** 1986 Dec 12;72(2):158–62

Magnetic stimulation of the human brain: facilitation of motor responses by voluntary contraction of ipsilateral and contralateral muscles with additional observations on an amputee. Hess CW, et al. **Neurosci Lett** 1986 Nov 11; 71(2):235–40

Long-latency OFF-responses from the human sensorimotor cortex to tetanizing stimulation of thenar muscles. Huttunen J, et al. **Neurosci Lett** 1987 Feb 10;74(1):63–8

Compensation of the natural magnetic field does not alter N-acetyltransferase activity and melatonin content of rat pineal gland. Khoory R. **Neurosci Lett** 1987 May 6; 76(2):215–20

Magnetic and electrical transcranial brain stimulation: physiological mechanisms and clinical applications. Mills KR, et al. **Neurosurgery** 1987 Jan;20(1):164–8 (48 ref.)

Magnetic device for removal of intraocular foreign bodies. Nishi O. **Ophthalmic Surg** 1987 Mar;18(3):232–3

Classification of possible targets of interaction of magnetic fields with living matter. Bistolfi F. **Panminerva Med** 1987 Jan–Mar;29(1):71–3

Magnetic fields differentially inhibit mu, delta, kappa and sigma opiate-induced analgesia in mice. Kavaliers M, et al. **Peptides** 1986 May–Jun;7(3):449–53

The biomagnetic inverse problem. The Biomagnetic Inverse Problem Conference. Milton Keynes, UK, April 1986. Proceedings. **Phys Med Biol** 1987 Jan;32(1):1–146

Novel data analysis for synchronised spontaneous neuromagnetic activity. Barone P, et al. **Phys Med Biol** 1987 Jan;32(1):71–6

A method for combining MEG and EEG to determine the sources. Cohen D, et al. **Phys Med Biol** 1987 Jan;32(1):85–9

Magnetic localisation of a current dipole implanted in dogs. Costa Monteiro E, et al. **Phys Med Biol** 1987 Jan; 32(1):65–70

The role of model and computational experiments in the biomagnetic inverse problem. Cuffin BN. **Phys Med Biol** 1987 Jan;32(1):33–42

The inverse problem: a medical perspective. Fenwick P. **Phys Med Biol** 1987 Jan;32(1):5–9

Inverse problem solution in cardiomagnetism using a current multipole expansion of the primary sources. Gonnelli RS, et al. **Phys Med Biol** 1987 Jan;32(1):133–42

Feasibility of the homogeneous head model in the interpretation of neuromagnetic fields. Hämäläinen MS, et al. **Phys Med Biol** 1987 Jan;32(1):91–7

The effect of torso geometry on magnetocardiographic isofield maps. Horacek BM, et al. **Phys Med Biol** 1987 Jan; 32(1):121–4

Trends in computational tools for biomagnetism: from procedural codes to intelligent scientific models. Ioannides AA. **Phys Med Biol** 1987 Jan;32(1):77–83

Analysis of magnetoencephalographic data using the homogeneous sphere model: empirical tests. Janday BS, et al. **Phys Med Biol** 1987 Jan;32(1):105–13

On the accuracy of source localisation in cardiac measurements. Katila T, et al. **Phys Med Biol** 1987 Jan; 32(1):125–31

MEG source models and physiology. Okada Y, et al. **Phys Med Biol** 1987 Jan;32(1):43–51

Improved procedure for neuromagnetic localisation. Pistella F, et al. **Phys Med Biol** 1987 Jan;32(1):115–20

The inverse problem in MEG studies: an instrumental and analytical perspective. Romani GL. **Phys Med Biol** 1987 Jan;32(1):23–31

Basic mathematical and electromagnetic concepts of the biomagnetic inverse problem. Sarvas J. **Phys Med Biol** 1987 Jan;32(1):11–22

Inverse solutions based on MEG and EEG applied to volume conductor analysis. Stok CJ, et al. **Phys Med Biol** 1987 Jan;32(1):99–104

Inverse problem solution in magnetisation studies. Stroink G. **Phys Med Biol** 1987 Jan;32(1):53–8

Biomagnetism and the biomagnetic inverse problem. Swithenby SJ. **Phys Med Biol** 1987 Jan;32(1):3–4

Effect of magnetic field on the process of cell respiration in mitochondria of rats. Gorczynska E, et al. **Physiol Chem Phys Med NMR** 1986;18(1):61–9

Magnetic effect on cardiopulmonary function in man. Okai O. **Physiologist** 1987 Feb;30(1 Suppl):S49–50

Development of chick embryos in 1 Hz to 100 kHz magnetic fields. Juutilainen J, et al. **Rsdiat Environ Biophys** 1986; 25(2):135–40

Measurements of extremely low-frequency magnetic fields around video display terminals. Juutilainen J, et al. **Scand J Work Environ Health** 1986 Dec;12(6):609–13

Cerebral magnetic fields evoked by peroneal nerve stimulation. Kaukoranta E, et al. **Somatosens Res** 1986; 3(4):309–21

Effects of low frequency magnetic fields on chick embryos. Dependence on incubation temperature and storage of the eggs. Juutilainen JP. **Z Naturforsch [C]** 1986 Nov–Dec; 41(11–12):1111–5

[Modern views on the evaluation of the therapeutic use of magnetic fields] Grünner O. **Cas Lek Cesk** 1987 Mar 27; 126(13):405–9 (Eng. Abstr.) **(Cze)**

[Magnetoencephalography] Hari R. **Duodecim** 1986; 102(20):1499–504 **(Fin)**

[Magnetic extraction with microscopy control—an improved inner pole magnet] Winter R, et al. **Fortschr Ophthalmol** 1987;84(2):205–6 (Eng. Abstr.) **(Ger)**

[Field and temperature dependence of contrast in magnetic resonance imaging] Rinck PA, et al. **ROFO** 1987 Aug; 147(2):200–6 (Eng. Abstr.) **(Ger)**

[Development of a magnetic urethral closure and initial clinical experiences] Grüneberger AD. **Urologe [A]** 1987 May;26(3):106–11 (Eng. Abstr.) **(Ger)**

[Effect of artificial magnetic fields on the Recessus suprapinealis of the hamster, Cricetus cricetus. I. Ultrastructural investigations] Bardasano JL. **Z Mikrosk Anat Forsch** 1986;100(6):961–72 (Eng. Abstr.) **(Ger)**

[Magnetic properties of human bone, cartilage and connective tissue] Wirbitzky J, et al. **Z Orthop** 1986 Jul–Aug;124(4):497–500 **(Ger)**

[The effect of a weak magnetic alternating field on immunobiologic reactions] Stierschneider R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Jul; 182(4):352–9 (Eng. Abstr.) **(Ger)**

[Analytical methods and instrumentation. Mechanical and electromagnetic methods] Canella G. **Ann Ist Super Sanita** 1987;23(1):45–9 (Eng. Abstr.) **(Ita)**

[Instrumentation physics in medicine: measurement of the distribution of biomagnetic fields] Uchikawa Y, et al. **Iyodenshi To Seitai Kogaku** 1986 Oct;24(6):411–6 **(Jpn)**

[Changes in the structure of lipid bilayer membranes in magnetic fields] Ivanov V, et al. **Biofizika** 1987 Jan–Feb; 32(1):51–3 (Eng. Abstr.) **(Rus)**

[Diffusion of a fluorescent probe in egg lecithin multilayers and the effect of a permanent magnetic field] Lesin VI, et al. **Biofizika** 1986 Jul–Aug;31(4):611–5 (Eng. Abstr.) **(Rus)**

[Theoretical estimation of the effect of magnetic fields on liposome formation] Shalygin AN, et al. **Biofizika** 1987 Mar–Apr;32(2):344–5 (Eng. Abstr.) **(Rus)**

[Effect of a permanent magnetic field on the formation of lipid bilayers] Simonov AN, et al. **Biofizika** 1986 Sep–Oct; 31(5):777–80 (Eng. Abstr.) **(Rus)**

[Transformation of ferromagnetic suspensions in the animal body] Tsapin AI, et al. **Biofizika** 1986 Nov–Dec; 31(6):1023–6 (Eng. Abstr.) **(Rus)**

[Effect of a low-frequency magnetic field on systemic arterial pressure in spontaneously hypertensive rats] Buiavykh AG, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):28–30 (Eng. Abstr.) **(Rus)**

[Local prevention of thrombosis in the dog carotid artery using magnetically concentrated erythrocytes loaded with aspirin] Orekhov AN, et al. **Biull Eksp Biol Med** 1987 Aug; 104(8):153–5 (Eng. Abstr.) **(Rus)**

[Function of the kallikrein-kinin system and of the blood antiproteinase activity in rats exposed to a weak low-frequency magnetic field] Kubyshkin AV. **Fiziol Zh** 1987 Mar–Apr;33(2):87–9 (Eng. Abstr.) **(Rus)**

[Action of a low-frequency magnetic field on the inherent rhythm of the isolated frog atrium] Kolokolov AS, et al. **Izv Akad Nauk SSSR [Biol]** 1986 Nov–Dec;(6):947–50 (Eng. Abstr.) **(Rus)**

[Ferromagnetic obturation of external biliary fistula] Frank VA. **Khirurgila (Mosk)** 1987 May;(5):132–5 **(Rus)**

[Magnetic-fluid obturation of external intestinal fistulas] Frank VA. **Klin Khir** 1987;(2):7–8 (Eng. Abstr.) **(Rus)**

[Effect of a magnetic field and of laser radiation on the

healing of deep burns of the hand] Galduk VI, et al. **Klin Khir** 1987;(3):8–10 (Eng. Abstr.) (Rus)

[The role of helio-geophysical factors in the development of thromboembolism of the pulmonary artery in surgical patients] Klimov VN, et al. **Klin Med (Mosk)** 1987 Feb; 65(2):55–7 (Eng. Abstr.) (Rus)

[Reactivity of the sympathetic-adrenal system and physical loading tolerance in multiple exposures to a permanent magnetic field] Klimovskaia LD, et al. **Kosm Biol Aviakosm Med** 1986 Nov–Dec;20(6):70–3 (Eng. Abstr.) (Rus)

[Radiosensitivity of Escherichia coli following irradiation in a permanent magnetic field] Minkova MI, et al. **Kosm Biol Aviakosm Med** 1986 Nov–Dec;20(6):90–1 (Rus)

[Direct and mediated action of a permanent magnetic field on biological objects] Pantev TP, et al. **Kosm Biol Aviakosm Med** 1986 Nov–Dec;20(6):73–6 (Eng. Abstr.) (Rus)

[Blood biochemical and morphological changes in rats in exposure to an infralow-frequency alternating magnetic field] Sidiakin VG, et al. **Kosm Biol Aviakosm Med** 1986 Sep–Oct;20(5):90–1 (Rus)

[The Polius-101 portable apparatus for low-frequency magnetotherapy] Eremin VA, et al. **Med Tekh** 1986 Sep–Oct;(5):56–8 (Rus)

[Action of a weak alternating magnetic field on oxygen transport in the body in nonspecific inflammatory lung diseases] Semenov VL. **Patol Fiziol Eksp Ter** 1987 Jan–Feb; (1):59–61 (Eng. Abstr.) (Rus)

[Effect of the combined action of laser irradiation and an alternating magnetic field on the multiplication of Mycobacterium tuberculosis] Kazakov IV, et al. **Probl Tuberk** 1986;(10):62–4 (Eng. Abstr.) (Rus)

[Meteorotropic reactions of patients with nonspecific diseases of the lungs] Kantur VA. **Sov Med** 1987;(2):72–3 (Rus)

[Effect of a pulsatile magnetic field on hypertension] Orlov LL, et al. **Sov Med** 1987;(2):3–5 (Eng. Abstr.) (Rus)

[Streptodecase magnetophoresis in the treatment of posttraumatic intraocular hemorrhage] Zobina LV, et al. **Vestn Oftalmol** 1987 Jan–Feb;103(1):51–4 (Eng. Abstr.) (Rus)

[Use of an alternating magnetic field in inflammatory processes of the lungs] Chistiakov IV. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Mar–Apr; (2):11–3 (Eng. Abstr.) (Rus)

[Use of a low-frequency magnetic field in treating patients with atherosclerotic encephalopathy] Gabriélian SS, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 May–Jun; (3):36–9 (Eng. Abstr.) (Rus)

[Status of the microcirculation of patients with ischemic heart disease in the rehabilitation stage during changes in helio-geophysical factors] Kinialkin MF, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Jan–Feb;(1):48–9 (Rus)

[Pulsatile magnetic fields in the treatment of patients with neurological syndromes of cervical osteochondrosis] Shchepina TP. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Nov–Dec;(6):31–3 (Eng. Abstr.) (Rus)

[Effect of a pulsed magnetic field on urticaria patients] Tsvetkova L, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Mar–Apr; (2):35–6 (Eng. Abstr.) (Rus)

[Use of ganglioside-containing magnetic polyacrylamide sorbents for the immunoenzyme method of determining cholera enterotoxin] Trofimov EN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Feb;(2):57–60 (Eng. Abstr.) (Rus)

[Synaptic response of the command neuron for defensive behavior of Helix lucorum L. during exposure to a constant magnetic field] Bravarenko NI, et al. **Zh Vysh Nerv Deiat** 1987 Jan–Feb;37(1):177–9 (Rus)

[Method of recording the magnetic field of the human brain] Gorbach AM. **Zh Vysh Nerv Deiat** 1987 May–Jun; 37(3):587–90 (Rus)

[Effect of a low-frequency alternating magnetic field on the formation of avoidance reflexes in the rat] Norekian TP, et al. **Zh Vysh Nerv Deiat** 1987 May–Jun;37(3):485–8 (Eng. Abstr.) (Rus)

INSTRUMENTATION

Intraocular magnet of Parel. Crock GW, et al. **Br J Ophthalmol** 1986 Dec;70(12):879–85

MAGNETOMETRY see **MAGNETICS**

MAIC see **MYCOBACTERIUM AVIUM**

MAINSTREAMING (EDUCATION)

see related
CHILD, EXCEPTIONAL
HANDICAPPED

The application of the Peabody Picture Vocabulary Test–revised (PPVT-R) to non-mainstream children. Alant E, et al. **S Afr J Commun Disord** 1986;33:7–14

The integration of spina bifida children—are their needs being met? Lonton AP, et al. **Z Kinderchir** 1986 Dec;41 Suppl 1:45–7

MAINTENANCE

Preventive maintenance programs help stop shut-downs, accidents. Burton DJ. **Occup Health Saf** 1987 Jan; 56(1):82–3

MAINTENANCE AND ENGINEERING, HOSPITAL

Legionella pneumophila in a hospital water system following a nosocomial outbreak: prevalence, monoclonal antibody subgrouping and effect of control measures. Ribeiro CD, et al. **Epidemiol Infect** 1987 Jun;98(3):253–62

ECONOMICS

Incineration cuts waste-disposal costs. Holthaus D. **Hospitals** 1987 Oct 5;61(19):154, 156

Something of value [editorial] Schreiber MH. **Invest Radiol** 1987 Jun;22(6):508

METHODS

Cogeneration: an old idea gets recharged. Holthaus D. **Hospitals** 1987 Jul 20;61(4):72

TRENDS

Reuse of state hospital property, 1970–1985. Dolan LW. **Hosp Community Psychiatry** 1987 Apr;38(4):408–10

MAIS see **MYCOBACTERIUM AVIUM**

MAIZE see **CORN**

MAJOR HISTOCOMPATIBILITY COMPLEX

Genetic regulation of the immune response in man. Matej H. **Acta Anthropogenet** 1985;9(1–3):20–30

The maximum likelihood estimation of haplotype frequencies of HLA and HLA-like systems and addition loci of genes with the different modes of inheritance. Rozanski BS, et al. **Acta Anthropogenet** 1985;9(1–3):81–90

Restriction enzyme analysis of HLA class II DR beta genes in patients with Graves' disease. Boehm BO, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:146–8

Aberrant expression of class II HLA antigens by the target cell: cause or consequence of the autoimmune aggression? Khoury EL. **Acta Endocrinol [Suppl] (Copenh)** 1987; 281:35–41

Thyrocytes can synthesize HLA class II molecules. Londei M, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:82–5

Thyrocyte HLA class II expression and regulation in relation to thyroid autoimmunity. Todd I, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:27–34

Modulation of class-II antigen expression in human thyroid epithelial cell cultures. Wenzel BE, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:21–6

Concept of a multigenic basis for the pathogenesis of spontaneous autoimmune thyroiditis. Wick G. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:63–9 (26 ref.)

The role of MHC class II antigens in the flare up reaction of antigen-induced arthritis in mice. van den Broek MF, et al. **Agents Actions** 1986 Dec;19(5–6):328–30

Association between major histocompatibility antigen and reproductive performance. Coulam CB, et al. **Am J Reprod Immunol Microbiol** 1987 Jun;14(2):54–8

Genomic hybridization of bovine class II major histocompatibility genes: 2. Polymorphism of DR genes and linkage disequilibrium in the DQ–DR region. Andersson L, et al. **Anim Genet** 1986;17(4):295–304

Tentative chromosomal localization of the bovine major histocompatibility complex by in situ hybridization. Fries R, et al. **Anim Genet** 1986;17(4):287–94

Evidence for BoLA-linked resistance and susceptibility to subclinical progression of bovine leukaemia virus infection. Lewin HA, et al. **Anim Genet** 1986;17(3):197–207

Joint inheritance of bovine major histocompatibility system antigens W6 and W11. Stear MJ, et al. **Anim Genet** 1987; 18(1):71–4

Molecular genetics of human major histocompatibility complex: clinical applications. Partanen J, et al. **Ann Clin Res** 1986;18(5–6):271–6

All in the superfamily: presentation of antigen receptors in the context of the major histocompatibility complex. Leserman L. **Ann Inst Pasteur Immunol** 1987 Jan–Feb; 138(1):53–63

Hypothesis: a molecular model for the MHC-restricted recognition of antigens by the T-cell receptor. Poljak RJ. **Ann Inst Pasteur Immunol** 1987 Mar–Apr;138(2):175–80

Histoincompatible bone marrow transplants in humans. Clift RA, et al. **Annu Rev Immunol** 1987;5:43–64 (85 ref.)

The I-J puzzle. Murphy DB. **Annu Rev Immunol** 1987; 5:405–27 (115 ref.)

Regulation of the antigenic phenotype of human melanoma cells by recombinant interferons. Giacomini P, et al. **Anticancer Res** 1986 Sep–Oct;6(5):877–84

A strong association between null alleles at the C4A locus in the major histocompatibility complex and systemic sclerosis. Briggs DC, et al. **Arthritis Rheum** 1986 Oct; 29(10):1274–7

Association of a 9.2-kilobase Pvu II class I major histocompatibility complex restriction fragment length polymorphism with ankylosing spondylitis. McDaniel DO, et al. **Arthritis Rheum** 1987 Aug;30(8):894–900

Significance of histocompatibility genes in rheumatology. Omenn GS. **Arthritis Rheum** 1977 Mar;20(2 Suppl):484–96 (95 ref.)

Gene transfer experiments to study T-cell recognition of MHC and antigen. Steinmetz M, et al. **Behring Inst Mitt** 1987 Jun;(81):41–5

Phenotyping of human complement component C4, a class-III HLA antigen. Sim E, et al. **Biochem J** 1986 Nov 1;239(3):763–7

Complement genes of the major histocompatibility complex (complotypes), extended haplotypes and disease markers. Alper CA, et al. **Biochem Soc Symp** 1986;51:19–28

Immune response to autologous human melanoma: implication of class I and II MHC products. Fossati G, et al. **Biochim Biophys Acta** 1986 Dec 17;865(3):235–51 (122 ref.)

Transgenic mice in the study of immunology. Bieberich C, et al. **Bioessays** 1986 Jun;4(6):245–8

Somatic generation of a genetic polymorphism: towards the solution of the I-J enigma. Tada T, et al. **Bioessays** 1986 Jun;4(6):283–5

Pedigree of the major histocompatibility complex in a family with a neonatal alloimmune thrombocytopenia. Panzer S, et al. **Biol Neonate** 1987;51(4):194–7

Effects of altrenogest and exogenous gonadotropins on ovarian function and embryo recovery in swine leukocyte antigen inbred miniature swine as influenced by cystic endometrial hyperplasia. Diehl JR, et al. **Biol Reprod** 1986 Dec;35(5):1261–8

Linkage of the preimplantation-embryo-development (Ped) gene to the mouse major histocompatibility complex (MHC). Warner CM, et al. **Biol Reprod** 1987 Apr; 36(3):606–10

Major histocompatibility complex DQ beta gene: polymorphism, methylation state and accumulation of messenger RNA in tumor cells. Barbieri R, et al. **Boll Soc Ital Biol Sper** 1986 May 30;62(5):561–3

Induction of class I major histocompatibility complex antigens in human teratocarcinoma cells by interferon without induction of differentiation, growth inhibition, or resistance to viral infection. Andrews PW, et al. **Cancer Res** 1987 Feb 1;47(3):740–6

The T cell repertoire may be biased in favor of MHC recognition. Blackman M, et al. **Cell** 1986 Nov 7; 47(3):349–57

A T cell receptor V beta segment that imparts reactivity to a class II major histocompatibility complex product. Kappler JW, et al. **Cell** 1987 Apr 24;49(2):263–71

T cell tolerance by clonal elimination in the thymus. Kappler JW, et al. **Cell** 1987 Apr 24;49(2):273–80

Direct evidence for the existence of nominal antigen binding sites on T cell surface Ti alpha-beta heterodimers of MHC-restricted T cell clones. Siliciano RF, et al. **Cell** 1986 Oct 24;47(2):161–71

A single gene encodes soluble and membrane-bound forms of the major histocompatibility Qa-2 antigen: anchoring of the product by a phospholipid tail. Stroynowski I, et al. **Cell** 1987 Aug 28;50(5):759–68

Antibody bipolar bridging: isotype-dependent signals given to guinea pig alveolar macrophages by anti-MHC alloantibodies. Benichou G, et al. **Cell Immunol** 1987 May; 106(2):304–17

Influence of MHC on thymus repopulation following intrathymic transfer of mouse T-cell precursors. Chervenak R, et al. **Cell Immunol** 1987 Apr 1;105(2):290–300

An active T-cell-independent mechanism enhances MHC class I transcription and expression on a mouse T-cell lymphoma in vivo. Petersson MG, et al. **Cell Immunol** 1987 Sep;108(2):460–72

Regulation of T15 idiotype dominance. III. Phosphocholine-specific B-cell activation in vivo requires major histocompatibility complex-restricted T-cell help. Wicker LS, et al. **Cell Immunol** 1986 Jul;100(2):570–6

Differential expression and regulation of MHC products in the endocrine and exocrine cells of the human pancreas. Pujol-Borrell R, et al. **Clin Exp Immunol** 1986 Jul; 65(1):128–39

Molecular biology of the class II region of the human major histocompatibility complex. Bell JI, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:75–82

Molecular approaches to the characterization of megabase regions of DNA: applications to the human major histocompatibility complex. Lawrence SK, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:123–30

Polymorphism and regulation of HLA class II genes of the major histocompatibility complex. Mach B, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:67–74

Human major histocompatibility complex genes: class I antigens and tumor necrosis factors. Strominger JL. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:63–6

Biosynthesis and processing of class II histocompatibility antigens. Cresswell P, et al. **CRC Crit Rev Immunol** 1987; 7(1):31–53 (149 ref.)

Evolution of the major histocompatibility complex. Klein J, et al. **CRC Crit Rev Immunol** 1986;6(4):295–386 (342 ref.)

Molecular features of class II MHC-restricted T-cell recognition of protein and peptide antigens: the importance of amphipathic structures. Berzofsky JA, et al. **Curr Top Microbiol Immunol** 1986;130:13–24 (47 ref.)

Expression of class I MHC proteins on RIN-m5F cells is increased by interferon-gamma and lymphokine-conditioned medium. Campbell IL, et al. **Diabetes** 1986 Nov;35(11):1225-8

Lilly lecture 1986. Genes, generator of diversity, glycoconjugates, and autoimmune beta-cell insufficiency in type I diabetes. Eisenbarth GS. **Diabetes** 1987 Mar; 36(3):355-64

Presence of pancreatic hormones in islet cells with MHC-class II antigen expression. Pipelleers DG, et al. **Diabetes** 1987 Jul;36(7):872-6

Major histocompatibility complex restriction of T-lymphocyte responses to islet cell antigens in IDDM rats. Prud'homme GJ, et al. **Diabetes** 1987 Feb;36(2):237-9

Extended survival of MHC-compatible islet grafts from diabetes-resistant donors in spontaneously diabetic BB/W rat. Selawry H, et al. **Diabetes** 1987 Sep;36(9):1061-7

Aberrant expression of class II major histocompatibility complex molecules by B cells and hyperexpression of class I major histocompatibility complex molecules by insulin containing islets in type I (insulin-dependent) diabetes mellitus. Foulis AK, et al. **Diabetologia** 1987 May; 30(5):333-43

Expression of class II major histocompatibility complex antigens on pancreatic B cells in the NOD mouse. Hanafusa T, et al. **Diabetologia** 1987 Feb;30(2):104-8

Induction of class II MHC antigens in vitro on pancreatic B cells isolated from BB/E rats. Walker R, et al. **Diabetologia** 1986 Oct;29(10):749-51

Lymphocyte specific heterogeneity in the rat leucocyte common antigen (T200) is due to differences in polypeptide sequences near the NH2-terminus. Barclay AN, et al. **EMBO J** 1987 May;6(5):1259-64

The mouse E beta 2 gene: a class II MHC beta gene with limited intraspecies polymorphism and an unusual pattern of transcription. Braunstein NS, et al. **EMBO J** 1986 Oct; 5(10):2469-76

Transcription of H-2 and Qa genes in embryonic and adult mice. Fahrner K, et al. **EMBO J** 1987 May;6(5):1265-71

Alternative processing of H-2Dd pre-mRNAs results in membrane expression of differentially phosphorylated protein products. McCluskey J, et al. **EMBO J** 1986 Oct; 5(10):2477-83

Orientation and molecular map position of the complement genes in the mouse MHC. Müller U, et al. **EMBO J** 1987 Feb;6(2):369-73

Structural and functional dissection of an MHC class I antigen-binding adenovirus glycoprotein. Pääbo S, et al. **EMBO J** 1986 Aug;5(8):1921-7

Structural variants of human T200 glycoprotein (leukocyte-common antigen). Ralph SJ, et al. **EMBO J** 1987 May;6(5):1251-7

Molecular characterization of the HLA-linked steroid 21-hydroxylase B gene from an individual with congenital adrenal hyperplasia. Rodrigues NR, et al. **EMBO J** 1987 Jun;6(6):1653-61

The molecular organization of the H-2K region of two t-haplotypes: implications for the evolution of genetic diversity. Uehara H, et al. **EMBO J** 1987 Jan;6(1):83-90

Molecular characterization of a meiotic recombinational hotspot enhancing homologous equal crossing-over [published erratum appears in EMBO J 1986 Dec 1;5(12):3408] Uematsu Y, et al. **EMBO J** 1986 Sep; 5(9):2123-9

Cytotoxic T lymphocyte recognition of a xenogeneic major histocompatibility complex antigen expressed in transgenic mice. Bluestone JA, et al. **Eur J Immunol** 1987 Jul; 17(7):1035-41

Role of the major histocompatibility complex in targeting effector T cells into a site of virus infection [published erratum appears in Eur J Immunol 1986 Dec;16(12):1646] Doherty PC, et al. **Eur J Immunol** 1986 Oct;16(10):1237-42

Homozygosity in the major histocompatibility complex region influences natural killer cell activity in man. Dubey DP, et al. **Eur J Immunol** 1987 Jan;17(1):61-6

Thymic immune response gene function in radiation chimeras reconstituted with purified hemopoietic stem cells. Kast WM, et al. **Eur J Immunol** 1987 Apr;17(4):471-5

Antigen-Ia interaction and the proteolytic processing of antigen: the structure of the antigen determines its restriction to the A or E molecule of the major histocompatibility complex. Puri J, et al. **Eur J Immunol** 1986 Sep;16(9):1093-7

Searching for MHC-restricted anti-viral antibodies: antibodies recognizing the nucleoprotein of influenza virus dominate the serological response of C57BL/6 mice to syngeneic influenza-infected cells. Tamminen WL, et al. **Eur J Immunol** 1987 Jul;17(7):999-1006

The major histocompatibility complex and diabetes mellitus. Neumer C, et al. **Exp Clin Endocrinol** 1987 Mar; 89(1):112-25 (130 ref.)

Virus-immune T cells and the major histocompatibility complex: evolution of some basic concepts over the past two years. Doherty PC. **Experientia** 1986 Sep 15; 42(9):972-7 (108 ref.)

Biological role of major transplantation antigens in T cell self-recognition. Zinkernagel RM. **Experientia** 1986 Sep 15;42(9):970-2 (26 ref.)

Heterogeneity in the structural basis of the human complement C4A null allele (C4A Q0) as revealed by HindIII restriction fragment length polymorphism analysis. Uring-Lambert B, et al. **FEBS Lett** 1987 Jun 8;217(1):65-8

Antigenic, functional, and molecular genetic studies of human natural killer cells and cytotoxic T lymphocytes not restricted by the major histocompatibility complex. Lanier LL, et al. **Fed Proc** 1986 Nov;45(12):2823-8 (44 ref.)

The HLA class II antigens determined by cellular techniques. A review. Buc M, et al. **Folia Biol (Praha)** 1986; 32(4):246-55

Expression of major histocompatibility complex antigens (H-B) on haemopoietic cells, lymphoid cells, and chick embryo fibroblasts from congenic lines of chickens. Gogusev J, et al. **Folia Biol (Praha)** 1987;33(2):104-13

Differences in the prolongation of skin graft survival by pretransplant blood injections in the model system of congenic lines of chickens. Vilhelmová M. **Folia Biol (Praha)** 1987;33(2):114-29

Disequilibrium pattern analysis. II. Application to Danish HLA A and B locus data. Klitz W, et al. **Genetics** 1987 Aug;116(4):633-43

In situ distribution of major histocompatibility complex products and viral antigens in chronic hepatitis B virus infection: evidence that HBc-containing hepatocytes may express HLA-DR antigens. van den Oord JJ, et al. **Hepatology** 1986 Sep-Oct;6(5):981-9

The expression of cell surface MHC class I heavy and light chain molecules in pre-malignant and malignant lesions of the oral mucosa. Prime SS, et al. **Histopathology** 1987 Jan; 11(1):81-91

Human MHC class III genes, Bf and C4. Polymorphism, complotypes and association with MHC class I genes in the Finnish population. Partanen J, et al. **Hum Hered** 1986; 36(5):269-75

Origin of major histocompatibility complex polymorphism: the trans-species hypothesis. Klein J. **Hum Immunol** 1987 Jul;19(3):155-62 (33 ref.)

Major histocompatibility complex (MHC) restricted antigen recognition: high frequency of human T-cell clones recognizing novel MHC class II determinants. Nisbet-Brown E, et al. **Hum Immunol** 1987 May; 19(1):41-52

Class II molecules of the major histocompatibility complex considered as differentiation markers. Radka SF, et al. **Hum Immunol** 1986 Aug;16(4):390-400 (56 ref.)

Delayed type hypersensitivity responses to the Qa-Tla region of the mouse major histocompatibility complex. Robinson JH, et al. **Immunobiology** 1987 Jan;174(1):1-9

Fifty years of Mhc research: semicentennial issue. **Immunogenetics** 1986;24(6):331-427

Analysis of class II genes of the chicken MHC (B) by use of human DNA probes. Andersson L, et al. **Immunogenetics** 1987;26(1-2):79-84

Mouse candidiasis. II. Host responses are T-cell dependent and regulated by genes in the major histocompatibility complex. Ashman RB. **Immunogenetics** 1987;25(3):200-3

Segregation distortion within the equine MHC; analogy to a mouse T/t-complex trait. Bailey E. **Immunogenetics** 1986; 24(4):225-9

DNA polymorphism of MHC III genes in inbred and wild mouse strains. Falus A, et al. **Immunogenetics** 1987; 25(5):290-8

A human cytotoxic lymphocyte subdividing the DQ1 antigen. Fraser JD, et al. **Immunogenetics** 1987;25(5):347-50

The antigenic properties of twenty-four new H-2 congenic recombinant mouse strains. Hasenkrug KJ, et al. **Immunogenetics** 1986;24(6):423-7

The nucleotide sequence of the mouse H-2E alpha w28 gene. Kasahara M, et al. **Immunogenetics** 1986;24(5):324-7

Monoclonal antibodies specific for mouse class I and class II Mhc determinants. Klein D, et al. **Immunogenetics** 1987; 25(5):351-5

Seeds of time: fifty years ago Peter A. Gorer discovered the H-2 complex. Klein J. **Immunogenetics** 1986;24(6):331-8

Differences in H-2 recombinant mice in the beta-naphthoflavone inducibility of the mixed function monooxygenase, P1-450. Koizumi A, et al. **Immunogenetics** 1987;26(3):169-73

Recombination hot spots within the I region of the mouse H-2 complex map to the E beta and E alpha genes. Lafuse WP, et al. **Immunogenetics** 1986;24(6):352-60

Genetic resistance to fowl cholera is linked to the major histocompatibility complex. Lamont SJ, et al. **Immunogenetics** 1987;25(5):284-9

Sharing of MHC haplotypes among apparently unrelated patients with congenital adrenal hyperplasia due to 21-hydroxylase deficiency. Layrisse Z, et al. **Immunogenetics** 1987;25(2):99-103

Somatic cell variants of H-2Kb: a point mutation in the first extracellular domain results in altered immune recognition. Nakagawa M, et al. **Immunogenetics** 1986;24(6):381-5

Extensive deletions in the Q region of the mouse major histocompatibility complex. O'Neill AE, et al. **Immunogenetics** 1986;24(6):368-73

Polymorphic and autoreactive H-2-specific monoclonal antibody isolated after injections of syngeneic Sendai virus-coated lymphocytes. Opolski A, et al. **Immunogenetics** 1986;24(6):402-8

Characterization of newly isolated monoclonal antibodies against MHC of a Japanese wild mouse. Sagai T, et al. **Immunogenetics** 1986;24(6):361-7

Mapping the Neu-1 locus to the major histocompatibility complex (RT1) in the rat. Samollow PB, et al. **Immunogenetics** 1987;26(3):188-9

Relationship between the expression of class I antigen and reactivity of chicken thymocytes. Sgonc R, et al. **Immunogenetics** 1987;26(3):150-4

The major histocompatibility complex of tassel-eared squirrels. I. Genetic diversity associated with Kaibab squirrels. Wettstein PJ, et al. **Immunogenetics** 1986; 24(4):230-41

The major histocompatibility complex of tassel-eared squirrels. II. Genetic diversity associated with Abert squirrels. Wettstein PJ, et al. **Immunogenetics** 1986; 24(4):242-50

Molecular mapping of crossover sites within the I region of the mouse MHC. Analysis of ten recombinant chromosomes. Zimmerer EJ, et al. **Immunogenetics** 1987; 25(4):274-6

Variable susceptibility to immune complex glomerulonephritis among mice sharing the same major histocompatibility complex. McLeish KR, et al. **Immunol Invest** 1986 Oct;15(6):541-7

The influence of interferon-gamma and various phagocytic stimuli on the expression of MHC-class II antigens on human monocytes--relation to the generation of reactive oxygen intermediates. Volk HD, et al. **Immunol Lett** 1986 Oct;13(4):209-14

Functional reconstitution of class II major histocompatibility complex molecules, I-A alpha k and I-A beta k. Watanabe M, et al. **Immunol Lett** 1986 Oct 15;13(5):237-44

Structure and function of major histocompatibility complex class I genes and proteins. Part I. A symposium. **Immunol Res** 1987;6(1-2):1-144

Analysis of structure/function relationships among major histocompatibility complex class I antigens. Bluestone JA. **Immunol Res** 1987;6(1-2):67-79 (61 ref.)

Tla-region genes and their products. Chen YT, et al. **Immunol Res** 1987;6(1-2):30-45 (54 ref.)

Class I major histocompatibility complex genes in vertebrate species: what is the common denominator? Kindt TJ, et al. **Immunol Res** 1987;6(1-2):57-66 (50 ref.)

Antigen-major histocompatibility complex-T cell receptors: inquiries into the immunological ménage à trois. Klein J. **Immunol Res** 1986;5(3):173-90 (71 ref.)

Organization of the human class I major histocompatibility complex genes. Koller BH, et al. **Immunol Res** 1987; 6(1-2):1-10 (31 ref.)

Induction of MHC-restricted specificity and tolerance in the thymus. Lo D, et al. **Immunol Res** 1986;5(3):221-32 (37 ref.)

Comparison of the primary structure of class I molecules. Maloy WL. **Immunol Res** 1987;6(1-2):11-29 (72 ref.)

Structure and expression of polypeptides encoded in the mouse Qa region. Robinson PJ. **Immunol Res** 1987; 6(1-2):46-56 (41 ref.)

Somatic cell variants of the murine major histocompatibility complex. Zeff RA, et al. **Immunol Res** 1987;6(1-2):133-44 (52 ref.)

Antigen presentation in brain: MHC induction on brain endothelium and astrocytes compared. Male DK, et al. **Immunology** 1987 Mar;60(3):453-9

Purification and characterisation of MHC class I antigen from rat liver with monoclonal antibody. Fukumoto T, et al. **Int J Biochem** 1986;18(11):971-7

MHC-controlled susceptibility to C3H-MTV-induced mouse mammary tumors is predominantly systemic rather than local. Dux A, et al. **Int J Cancer** 1987 Sep 15; 40(3):372-7

Reactive T cells in the immune repertoire: self-restricted and allo-restricted helper T-cell clones to Epstein-Barr virus. Lai PK, et al. **Int J Cancer** 1987 Jan 15;39(1):111-7

Quantitative modifications of major histocompatibility complex (MHC) antigens induced by recombinant gamma interferon in two human breast cancer lines. Calvo F, et al. **Int J Immunopharmacol** 1987;9(4):459-68

Interferon and major histocompatibility complex genes: a model to analyse eukaryotic gene regulation? Rosa FM, et al. **Interferon** 1986;7:47-87 (75 ref.)

Scrapie incubation periods and end-point titers in mouse strains differing at the H-2D locus. Carp RI, et al. **Intervirology** 1986;26(1-2):85-92

Class II genes of the human major histocompatibility complex. Organization and evolutionary relationship of the DR beta genes. Andersson G, et al. **J Biol Chem** 1987 Jun 25;262(18):8748-58

Class II genes of the human major histocompatibility complex. Evolution of the DP region as deduced from nucleotide sequences of the four genes. Gustafsson K, et al. **J Biol Chem** 1987 Jun 25;262(18):8778-86

Class II genes of the human major histocompatibility complex. Comparisons of the DQ and DX alpha and beta genes. Jonsson AK, et al. **J Biol Chem** 1987 Jun 25; 262(18):8767-77

Class II genes of the human major histocompatibility complex. The DO beta gene is a divergent member of the class II beta gene family. Servenius B, et al. **J Biol Chem** 1987 Jun 25;262(18):8759-66

Separate induction of MHC and thyroid microsomal antigen (McAg) expression on thyroid cell monolayers: enhancement of lectin-induced McAg expression by interferon-gamma. Iwatani Y, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1302-8

Extended major histocompatibility complex haplotypes in patients with gluten-sensitive enteropathy. Alper CA, et al. **J Clin Invest** 1987 Jan;79(1):251-6

Mandibular-morphogenesis gene linked to the H-2 complex

in mice. Bailey DW.
J Craniofac Genet Dev Biol [Suppl] 1986;2:33–9
Major histocompatibility complex influences reproductive efficiency: evolutionary implications. Bonner JJ.
J Craniofac Genet Dev Biol [Suppl] 1986;2:5–11
Epitopes associated with the MHC restriction site of T cells. II. Somatic generation of Iat epitopes on T cells in radiation bone marrow chimeras. Asano Y, et al. **J Exp Med** 1987 Jan 1;165(1):87–96
On the role of the transmembrane anchor sequence of influenza hemagglutinin in target cell recognition by class I MHC–restricted, hemagglutinin–specific cytolytic T lymphocytes. Braciale TJ, et al. **J Exp Med** 1987 Sep 1; 166(3):678–92
New family of exon–shuffled recombinant genes reveals extensive interdomain interactions in class I histocompatibility antigens and identifies residues involved. Darsley MJ, et al. **J Exp Med** 1987 Jan 1;165(1):211–22
T cell receptor variable gene usage in a specific cytotoxic T cell response. Primary structure of the antigen–MHC receptor of four hapten–specific cytotoxic T cell clones. Iwamoto A, et al. **J Exp Med** 1987 Mar 1;165(3):591–600
Major histocompatibility complex (MHC) restriction of foreign transplantation antigens in rats rendered tolerant at birth. Kimura H, et al. **J Exp Med** 1986 Dec 1; 164(6):2031–7
MHC–restricted minimal regulatory circuit initiated by a class II–autoreactive T cell clone. Sano K, et al.
J Exp Med 1987 May 1;165(5):1284–95
Infection of cultured murine brain cells by Semliki Forest virus: effects of interferon–alpha beta on viral replication, viral antigen display, major histocompatibility complex antigen display and lysis by cytotoxic T lymphocytes. Morris A, et al. **J Gen Virol** 1987 Jan;68 (Pt 1):99–106
Expression of MHC products by normal and abnormal bile duct epithelium. Van den Oord JJ, et al. **J Hepatol** 1986; 3(3):310–7
Equine T lymphocytes express MHC class II antigens. Crepaldi T, et al. **J Immunogenet** 1986 Aug;13(4):349–60
Histocompatibility and the genetics of tumour resistance. Demant P. **J Immunogenet** 1986 Apr–Jun;13(2–3):61–7 (55 ref.)
Equine leucocyte antigen system. IV. Recombination within the major histocompatibility complex (MHC). Lazary S, et al. **J Immunogenet** 1986 Aug;13(4):315–25
Germ cell tumours of the testicle. A model for MHC influence on human malignancy. Oliver RT, et al.
J Immunogenet 1986 Apr–Jun;13(2–3):85–92 (18 ref.)
Isolation of the MHC genes encoding the tumour–specific class I antigens expressed on a murine fibrosarcoma. Stauss HJ, et al. **J Immunogenet** 1986 Apr–Jun;13(2–3):101–11
Epitopes associated with the MHC restriction site of T cells. I. Selective expression of Iat epitopes on H–2–restricted helper T cells. Abe R, et al. **J Immunol** 1987 May 1; 138(9):2964–9
Analysis of two distinct B cell activation pathways mediated by a monoclonal T helper cell. I. MHC–restricted activation of B cells by an IL 2–dependent pathway. Asano Y, et al. **J Immunol** 1987 Feb 1;138(3):667–73
Molecular mapping of class II polymorphisms in the human major histocompatibility complex. I. DR beta. Bell JI, et al. **J Immunol** 1987 Jul 15;139(2):562–73
Tissue–specific expression and structure of a divergent member of a class I MHC gene family. Ehrlich R, et al.
J Immunol 1987 Jul 15;139(2):593–602
Killing of mouse blastocyst stage embryos by cytotoxic T lymphocytes directed to major histocompatibility complex antigens. Ewoldsen MA, et al. **J Immunol** 1987 May 1; 138(9):2764–70
Major histocompatibility complex–encoded class I molecules are absent in immunologically competent Xenopus before metamorphosis. Flajnik MF, et al. **J Immunol** 1986 Dec 15;137(12):3891–9
Multiple genetic mechanisms have contributed to the generation of the HLA–A2/A28 family of class I MHC molecules. Holmes N, et al. **J Immunol** 1987 Aug 1; 139(3):936–41
Differential interaction of the C3b/C4b receptor and MHC class I with the cytoskeleton of human neutrophils. Jack RM, et al. **J Immunol** 1986 Dec 15;137(12):3996–4003
Expression patterns of MHC class II genes in rabbit tissues indicate close homology to human counterparts. Kulaga H, et al. **J Immunol** 1987 Jul 15;139(2):587–92
Molecular mapping class II polymorphisms in the human major histocompatibility complex. II. DQ beta. MacMurray AJ, et al. **J Immunol** 1987 Jul 15;139(2):574–86
Antigen–specific and –nonspecific mitogenic signals in the activation of human T cell clones. Nisbet–Brown ER, et al. **J Immunol** 1987 Jun 1;138(11):3713–9
A rabbit class I major histocompatibility complex gene with a T cell–specific expression pattern. Rebiere MC, et al.
J Immunol 1987 Sep 15;139(6):2066–74
Characterization of an Lyt–2+ alloreactive cytotoxic T cell clone specific for H–2Db that cross–reacts with I–Ek. Schilham MW, et al. **J Immunol** 1986 Nov 1;137(9):2748–54
A model for the selective loss of major histocompatibility complex self–restricted T cell immune responses during the development of acquired immune deficiency syndrome (AIDS). Shearer GM, et al. **J Immunol** 1986 Oct 15; 137(8):2514–21
Lethal graft–vs–host disease across major histocompatibility barriers: requirement for leucyl–leucine methyl ester sensitive cytotoxic T cells. Thiele DL, et al.
J Immunol 1987 Jan 1;138(1):51–7
Comparison of antigen specificity, class II major histocompatibility complex restriction, and in vivo behavior of myelin basic protein–specific T cell lines and clones derived from (BALB/c x SJL/J) mice. Trotter J, et al. **J Immunol** 1987 Sep 15;139(6):1834–9
Identification of chicken major histocompatibility complex (B) haplotypes by an immunoblot technique. Bumstead N, et al. **J Immunol Methods** 1986 Dec 24;95(2):267–71
Multiple sclerosis: relevance of class I and class II MHC–expressing cells to lesion development. Traugott U.
J Neuroimmunol 1987 Oct;16(2):283–302
The immunopathology of acute experimental allergic encephalomyelitis. IV. An ultrastructural immunocytochemical study of class II major histocompatibility complex molecule (Ia) expression. Sobel RA, et al. **J Neuropathol Exp Neurol** 1987 May; 46(3):239–49
A demonstration of a strain related restriction effect in the formation of experimental metastases. Jack AS, et al.
J Pathol 1987 May;152(1):37–45
Anti–influenza virus cytotoxic T lymphocytes recognize the three viral polymerases and a nonstructural protein: responsiveness to individual viral antigens is major histocompatibility complex controlled. Bennink JR, et al.
J Virol 1987 Apr;61(4):1098–102
Effects of major histocompatibility complex (RT1) and timing of fetectomy upon experimental induction of yolk sac tumor, choriocarcinoma, and teratomas in the rat. Nakamura K, et al. **Jpn J Cancer Res** 1986 Sep;77(9):877–81
Genetic monitoring of inbred strains of mice using monoclonal antibodies to major histocompatibility haplotypes and lymphocyte alloantigens. Fernandez JL, et al. **Lab Anim** 1986 Oct;20(4):293–7
Protection from autoimmune disease as the third function of the major histocompatibility gene complex [published erratum appears in Lancet 1987 Aug 29;2(8557):524] Adams DD. **Lancet** 1987 Aug 1;2(8553):245–9 (42 ref.)
"Aberrant" MHC class II expression in epithelia [letter]Moore M, et al. **Lancet** 1987 Jan 17;1(8525):165
An HLA–linked gene controls susceptibility to lepromatous leprosy through T cell regulation. Kikuchi I, et al.
Lepr Rev 1986 Dec;57 Suppl 2:139–42
Human thymic and peripheral blood non–MHC–restricted cytotoxic lymphocytes. Lanier LL, et al.
Med Oncol Tumor Pharmacother 1986;3(3–4):247–54 (39 ref.)
Measurements of changes in histocompatibility antigens induced by interferons. Hokland M, et al.
Methods Enzymol 1986;119:688–93
Production of C3W mouse strain congenic to C3H/HeN at the newly defined minor H–42 histocompatibility locus. Kato H, et al. **Microbiol Immunol** 1986;30(9):939–43
Binding of a nuclear factor to a regulatory sequence in the promoter of the mouse H–2Kb class I major histocompatibility gene. Baldwin AS Jr, et al.
Mol Cell Biol 1987 Jan;7(1):305–13
Regulated expression of a murine class I gene in transgenic mice. Bieberich C, et al. **Mol Cell Biol** 1986 Apr; 6(4):1339–42
Interaction between Kb and Q4 gene sequences generates the Kbm6 mutation. Geliebter J, et al. **Mol Cell Biol** 1986 Feb;6(2):645–52
Liver–specific expression of a Qa–encoded class I gene is associated with DNA hypomethylation. Miyada CG, et al. **Mol Cell Biol** 1986 Jan;6(1):315–7
Biochemical and functional analyses of a secreted H–2Ld molecule. Murre C, et al. **Mol Cell Biol** 1986 Apr; 6(4):1315–9
Multiple C4/Slp genes distinguished by expression after transfection. Robins DM, et al. **Mol Cell Biol** 1986 Jan; 6(1):134–41
Transfer of cloned human class I major histocompatibility complex genes into HLA mutant human lymphoblastoid cells. Shimizu Y, et al. **Mol Cell Biol** 1986 Apr;6(4):1074–87
Expression of a secreted transplantation antigen gene during murine embryogenesis. Stein P, et al. **Mol Cell Biol** 1986 Oct;6(10):3397–400
A transcriptional enhancer and an interferon–responsive sequence in major histocompatibility complex class I genes. Vogel J, et al. **Mol Cell Biol** 1986 Oct;6(10):3550–4
Eucaryotic chromosome transfer: production of a murine–specific cosmid library from a neor–linked fragment of murine chromosome 17. Weis JH, et al.
Mol Cell Biol 1986 Feb;6(2):441–51
Antigen recognition. Class discrimination in the world of immunology [news] Bevan MJ. **Nature** 1987 Jan 15–21; 325(6101):192–4
A novel family of human major histocompatibility complex–related genes not mapping to chromosome 6. Calabi F, et al. **Nature** 1986 Oct 9–15;323(6088):540–3
Interaction of peptide antigens and class II major histocompatibility complex antigens. Guillet JG, et al.
Nature 1986 Nov 20–26;324(6094):260–2
Mapping of the class II region of the human major histocompatibility complex by pulsed–field gel electrophoresis. Hardy DA, et al. **Nature** 1986 Oct 2–8; 323(6087):453–5
Failure to find holes in the T–cell repertoire. Ogasawara K, et al. **Nature** 1987 Jan 29–Feb 4;325(6103):450–2
New methods for detection of HLA genes polymorphism useful for associated diseases studies. Le Gall I, et al.
Pathol Biol (Paris) 1986 Jun;34(6):801–7
The major histocompatibility complex and the chemosensory recognition of individuality in rats. Brown RE, et al.
Physiol Behav 1987;40(1):65–73
Influence of the major histocompatibility complex on disease resistance and productivity. Bacon LD. **Poult Sci** 1987 May;66(5):802–11 (63 ref.)
Chromosomal localization of the major histocompatibility (B) complex (MHC) and its expression in chickens aneuploid for the major histocompatibility complex/ribosomal deoxyribonucleic acid microchromosome. Bloom SE, et al. **Poult Sci** 1987 May;66(5):782–9 (36 ref.)
Genetics and classification of major histocompatibility complex antigens of the chicken. Briles WE, et al.
Poult Sci 1987 May;66(5):776–81
Metastasis of Rous sarcoma tumors in chickens is influenced by the major histocompatibility (B) complex and sex. Collins WM, et al. **Poult Sci** 1986 Sep;65(9):1642–8
Major histocompatibility (B) complex–associated differences in the delayed wattle reaction to staphylococcal antigen. Cotter PF, et al. **Poult Sci** 1987 Feb;66(2):203–8
The major histocompatibility complex as a communication gene complex. Dietert RR. **Poult Sci** 1987 May;66(5):774–5
Molecular analysis of the chicken major histocompatibility complex gene and gene products. Lamont SJ, et al.
Poult Sci 1987 May;66(5):819–24
Subregions and functions of the chicken major histocompatibility complex. Nordskog AW, et al.
Poult Sci 1987 May;66(5):790–4 (24 ref.)
Influence of the major histocompatibility complex on tumor regression and immunity in chickens. Schierman LW, et al. **Poult Sci** 1987 May;66(5):812–8 (52 ref.)
Major histocompatibility complex and cell cooperation. Vainio O, et al. **Poult Sci** 1987 May;66(5):795–801 (25 ref.)
The first external domain of the nonobese diabetic mouse class II I–A beta chain is unique. Acha–Orbea H, et al.
Proc Natl Acad Sci USA 1987 Apr;84(8):2435–9
Lymphocyte major histocompatibility complex–encoded class II structures may act as sperm receptors. Ashida ER, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3395–9
Regulation of a transfected human class II major histocompatibility complex gene in human fibroblasts. Boss JM, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9139–43
"E3/19K" protein of adenovirus type 2 inhibits lysis of cytolytic T lymphocytes by blocking cell–surface expression of histocompatibility class I antigens. Burgert HG, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1356–60
Conserved major histocompatibility complex class II boxes—X and Y—are transcriptional control elements and specifically bind nuclear proteins. Dorn A, et al.
Proc Natl Acad Sci USA 1987 Sep;84(17):6249–53
Altered I–J phenotype in E alpha transgenic mice. Flood PM, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(21):8308–12
A single base mutation in an I–A alpha–chain gene alters T–cell recognition. Griffith IJ, et al.
Proc Natl Acad Sci USA 1987 Feb;84(4):1090–3
Human epidermal Langerhans cells cointernalize by receptor–mediated endocytosis "nonclassical" major histocompatibility complex class I molecules (T6 antigens) and class II molecules (HLA–DR antigens). Hanau D, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2901–5
Graft–vs.–host disease elicits expression of class I and class II histocompatibility antigens and the presence of scattered T lymphocytes in rat central nervous system. Hickey WF, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):2082–6
A common positive trans–acting factor binds to enhancer sequences in the promoters of mouse H–2 and beta 2–microglobulin genes. Israël A, et al.
Proc Natl Acad Sci USA 1987 May;84(9):2653–7
Insulin binding to human B lymphoblasts is a function of HLA haplotype. Kittur D, et al.
Proc Natl Acad Sci USA 1987 Mar;84(5):1351–5
Expression of human class II major histocompatibility complex antigens using retrovirus vectors. Korman AJ, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2150–4
Working principles in the immune system implied by the "peptidic self" model.Kourilsky P, et al.
Proc Natl Acad Sci USA 1987 May;84(10):3400–4
Isolation of CD1 genes: a family of major histocompatibility complex–related differentiation antigens. Martin LH, et al.
Proc Natl Acad Sci USA 1986 Dec;83(23):9154–8
Isolation of a human major histocompatibility complex class I gene encoding a nonubiquitous molecule expressed on activated lymphocytes. Paul P, et al.
Proc Natl Acad Sci USA 1987 May;84(9):2872–6
Molecular studies of murine mutant BALB/c–H–2dm2 define a deletion of several class I genes including the entire H–2Ld gene. Rubocki RJ, et al.
Proc Natl Acad Sci USA 1986 Dec;83(24):9606–10
Lethal deletion of the complement component C4 and steroid 21–hydroxylase genes in the mouse H–2 class III region, caused by meiotic recombination. Shiroishi T, et al.
Proc Natl Acad Sci USA 1987 May;84(9):2819–23
Genes for the tumor necrosis factors alpha and beta are linked to the human major histocompatibility complex. Spies T, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8699–702
Structure, expression, and molecular mapping of a divergent member of the class I HLA gene family. Srivastava R, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4224–8
Interferon gamma induces lung colonization by intravenously

inoculated B16 melanoma cells in parallel with enhanced expression of class I major histocompatibility complex antigens. Taniguchi K, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3405–9

Allograft and antibody responses of 15I5–B congenic chickens. Bacon LD, et al. **Prog Clin Biol Res** 1987; 238:219–33

Evidence for MHC gene control of lesion severity in experimental allergic encephalomyelitis of chickens. Parker MA, et al. **Prog Clin Biol Res** 1987;238:189–98

Expression of major histocompatibility complex antigens on macrophages: correlative study using flow cytometry, radioimmunoassay, and colloidal gold immunolabeling. Guagliardi LE, et al. **Scanning Microsc** 1987 Jun; 1(2):705–11

Neuroimmunology sits on broad research base [news] Barnes DM. **Science** 1987 Sep 25;237(4822):1568–9

The relation between major histocompatibility complex (MHC) restriction and the capacity of Ia to bind immunogenic peptides. Buus S, et al. **Science** 1987 Mar 13;235(4794):1353–8

Megabase-scale mapping of the HLA gene complex by pulsed field gel electrophoresis. Lawrance SK, et al. **Science** 1987 Mar 13;235(4794):1387–90

A major histocompatibility complex class III allotype (C4B 2) associated with primary biliary cirrhosis (PBC). Briggs DC, et al. **Tissue Antigens** 1987 Mar;29(3):141–5

Test of prolongation of skin graft survival by blood injections provides evidence for presence of a new histocompatibility locus in the B-G region of chicken MHC. Vilhelmová M. **Tissue Antigens** 1987 Feb;29(2):83–92

Long-range and molecular mapping of the human major histocompatibility complex. Srivastava R, et al. **Trans Assoc Am Physicians** 1986;99:1–12

Alloantigenic systems in the rat. Sixth International Workshop. Rotterdam, The Netherlands, July 29 to August 1, 1986. **Transplant Proc** 1987 Jun;19(3):2979–3227

Histocompatibility genes and transplantation antigens. **Transplant Proc** 1975 Mar;7(1 Suppl 1):1–175

Histocompatibility genes and transplantation antigens. Relation to immune responsiveness in the murine species. **Transplant Proc** 1975 Mar;7(1 Suppl 1):101–37

Phenotypic analysis of graft infiltrating cells and major histocompatibility complex expression in actively enhanced rat renal allografts. Bradley JA, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):348–50

Evidence for a lymphocyte activation determinant coded by the HLA region different from HLA-DR, DQ, and DP. Eiermann TH, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):866–9

Regulation of alloantigen expression in different tissues. Fabre JW, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):45–9

Profiles of donor major histocompatibility complex antigen expression in rat cardiac allograft rejection. Forbes RD, et al. **Transplant Proc** 1987 Aug;19(4):3454–8

Influence of recombinant gamma-interferon on enhancement of major histocompatibility complex class II antigen expression and functional immunological capacities of human amniotic and chorionic villi cells. Gotlieb W, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):560–4

Differentiation antigens associated with the function of alloreactive T lymphocytes. Kowal C, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):268–72

An autoreactive T cell clone derived after allostimulation in vitro: evidence for recognition of a polymorphic self major histocompatibility complex class II gene product. Martin A, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):875–7

Recognition and response to alloantigens. Möller E. **Transplant Proc** 1987 Feb;19(1 Pt 1):40–4

Association of restriction fragment-length polymorphisms with major histocompatibility complex class II phenotypes in white and black individuals. Napier-Littrell M, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):826–32

Southern blot analysis of HLA class II beta genes in relation to HLA-D, DR specificities. Otani F, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):817–21

Heterogeneity of HLA-DR5 detected by serologic, cellular, and molecular techniques. Singal DP, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):822–5

Genetic engineering in transplantation research. Steinmetz M. **Transplant Proc** 1987 Feb;19(1 Pt 1):36–9

Cell-mediated lympholysis: target susceptibility to lysis correlates with surface major histocompatibility complex expression. Suranyi MG, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 1):417–20

Structure and function of HLA molecules. Thorsby E. **Transplant Proc** 1987 Feb;19(1 Pt 1):29–35

Genetically determined variation of constitutive major histocompatibility complex class II antigen expression in various rat strains and cell types. Ulrichs K, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):181–6

Discrimination value of class III and glyoxalase alleles for selection of histocompatible bone marrow donors. Wölpl A, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2632–5

Immunogenicity of the non-MHC-encoded endothelial antigen Eag-1 in various tissues of the rat. Blankert JJ, et al. **Transplantation** 1987 May;43(5):736–41

Joint report of the Third International Workshop of Canine Immunogenetics. II. Analysis of the serological typing of cells. Bull RW, et al. **Transplantation** 1987 Jan;43(1):154–61

Engraftment following T-cell-depleted marrow transplantation. I. The role of major and minor histocompatibility barriers. Ferrara J, et al. **Transplantation** 1987 Apr;43(4):461–7

The major histocompatibility complex of the rat. Gill TJ 3d, et al. **Transplantation** 1987 Jun;43(6):773–85 (198 ref.)

Expression of major histocompatibility complex antigens and replacement of donor cells by recipient ones in human liver grafts. Gouw AS, et al. **Transplantation** 1987 Feb; 43(2):291–6

Lymphocyte subpopulations and memory of MHC antigens. I. Quantitative aspects of neonatal heart graft rejection in normal and immune rats. Herbert J, et al. **Transplantation** 1987 Apr;43(4):556–60

Tolerance to cultured allografts protects third-party grafts containing new MHC and common minor antigens [published erratum appears in Transplantation 1987 Apr;43(4):608] La Rosa FG, et al. **Transplantation** 1987 Feb;43(2):314–6

Analysis of the alloreactive T cell repertoire in man. I. Differences in precursor frequency for cytotoxic T cell responses against allogeneic MHC molecules in unrelated individuals. Sharrock CE, et al. **Transplantation** 1987 May; 43(5):699–703

Failure of allogeneic canine marrow grafts after total-body irradiation. Allogeneic "resistance" versus transfusion-induced sensitization. Storb R, et al. **Transplantation** 1986 Dec;42(6):571–80

Engraftment of stem-cell-enriched bone marrow fractions in MHC-identical dogs after fractionated total-body irradiation. Walma EP, et al. **Transplantation** 1987 Jun; 43(6):818–23

Monoclonal antibodies to sheep MHC class I and class II molecules: biochemical characterization of three class I gene products and four distinct subpopulations of class II molecules. Puri NK, et al. **Vet Immunol Immunopathol** 1987 May;15(1–2):59–86

Studies on the major histocompatibility complex of indigenous cattle in the Ivory Coast. Spooner RL, et al. **Vet Immunol Immunopathol** 1987 Jul;15(4):377–84

A review of major histocompatibility complex-disease associations in man and dog. Day MJ, et al. **Vet Res Commun** 1987;11(2):119–32 (35 ref.)

Organization, polymorphism, and regulation of class II genes of the major histocompatibility complex. Lee JS, et al. **Year Immunol** 1986;2:205–21 (71 ref.)

Molecular genetics of class I genes—1984. Mellor AL. **Year Immunol** 1985;:153–8

Relationship between leukemia virus genomes and histocompatibility genes. Meruelo D. **Year Immunol** 1985; :163–70 (34 ref.)

[The major immunogenetic (histocompatible) complex in organisms and its biomedical role. Review] Kohoutová M, et al. **Sb Lek** 1986 Sep;88(8–9):240–55 (65 ref.) (Eng. Abstr.) (Cze)

[Recombinant strains of the rat as an immunogenetic model. Review] Kohoutová M, et al. **Sb Lek** 1986 Sep; 88(8–9):256–67 (72 ref.) (Eng. Abstr.) (Cze)

[Development of the histocompatibility system in man and animal] Bouillenne C. **Arch Belg** 1986;44(7–8):274–9 (Fre)

[HLA antigens and different clinical forms of 21-hydroxylase deficiency in the French population] Couillin P, et al. **Pathol Biol (Paris)** 1986 Jun;34(6):789–94 (Eng. Abstr.) (Fre)

[The chromosomal HLA region] Degos L. **Pathol Biol (Paris)** 1986 Jun;34(6):707–10 (Eng. Abstr.) (Fre)

[HLA and leprosy] Demenais F, et al. **Pathol Biol (Paris)** 1986 Jun;34(6):735–7 (Eng. Abstr.) (Fre)

[Human T lymphocyte clones: a new approach for studying relations between the major histocompatibility complex and pathology] Levy JP, et al. **Pathol Biol (Paris)** 1986 Jun; 34(6):809–11 (Eng. Abstr.) (Fre)

[Familial studies of systemic lupus erythematosus. HLA markers and complotypes] Stoppa-Lyonnet D, et al. **Pathol Biol (Paris)** 1986 Jun;34(6):773–7 (Eng. Abstr.) (Fre)

[Transplantation antigens] Schuberth HJ. **DTW** 1987 Apr 8; 94(4):218–9 (Eng. Abstr.) (Ger)

[Results of orthotopic small intestine transplantation in rats in the MHC and non-MHC different systems] Preissner WC, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986; 19(6):370–2 (Ger)

[Presence and manipulation of MHC class II antigens on isolated island of Langerhans cells] Ulrichs K, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(4):247–9 (Ger)

[A study on the veto cells from H-2 recombinant mice and allogeneic bone marrow chimeric mice] Ogasawara M. **Hokkaido Igaku Zasshi** 1986 Nov;61(6):883–91 (Eng. Abstr.) (Jpn)

[Evaluation of survival of grafted joint by bone scintigraphy: experimental studies using rat models] Fujimori K, et al. **Kaku Igaku** 1986 Oct;23(10):1343–50 (Eng. Abstr.) (Jpn)

[Structure and function of the major histocompatibility complex gene cluster] Okada K. **Tanpakushitsu Kakusan Koso** 1986 Nov;31(14):1548–64 (117 ref.) (Jpn)

[Structure and role of the HLA major histocompatibility complex in the light of current theories] Witt M. **Pol Arch Med Wewn** 1986 May;75(5):380–7 (31 ref.) (Pol)

[The role of major histocompatibility complex genes in the reaction of macrophages and thymocytes during induction of T-effectors of the graft vs host reaction. III. Effect of antisera against H-2 complex antigens on the realization of the process] Lutsan NI, et al. **Genetika** 1987 Mar; 23(3):449–55 (Eng. Abstr.) (Rus)

[Immunology of reproduction. Maternal influence on the recognition of proper histocompatibility antigens] Piazzon I. **Medicina (B Aires)** 1986;46(5):625–32 (Spa)

DRUG EFFECTS

Gamma interferon and 5-azacytidine cause transcriptional elevation of class I major histocompatibility complex gene expression in K562 leukemia cells in the absence of differentiation. Chen E, et al. **Mol Cell Biol** 1986 May; 6(5):1698–705

Interferons increase transcription of a major histocompatibility class I gene via a 5' interferon consensus sequence. Sugita K, et al. **Mol Cell Biol** 1987 Jul; 7(7):2625–30

Regulation of murine class I genes by interferons is controlled by regions located both 5' and 3' to the transcription initiation site. Korber B, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3380–4

Recombinant gamma interferon induces class II major histocompatibility complex antigens on insulinoma cells. van Vliet E, et al. **Tissue Antigens** 1987 Apr;29(4):195–200

MALABSORPTION SYNDROMES

see related

INTESTINAL ABSORPTION

[The so-called short bowel syndrome in adults] Malledant Y, et al. **Ann Fr Anesth Reanim** 1987;6(3):195–203 (77 ref.) (Fre)

BLOOD

Elevated levels of serum pancreatic secretory trypsin inhibitor (PSTI) in patients with malabsorption syndrome. Nakano I, et al. **Gastroenterol Jpn** 1986 Dec;21(6):617–22

COMPLICATIONS

Decreased drug absorption in a patient with Behçet's syndrome. Chaleby K, et al. **Clin Chem** 1987 Sep; 33(9):1679–81

Malabsorption associated with nonmalignant immunoproliferative small intestinal disease. Manousos O, et al. **Digestion** 1987;36(3):182–8

Hemorrhage and shock due to intestinal malabsorption. Berezin S, et al. **Pediatr Emerg Care** 1986 Jun;2(2):91–2

Malabsorption of fructose-sorbitol mixtures. Interactions causing abdominal distress. Rumessen JJ, et al. **Scand J Gastroenterol** 1987 May;22(4):431–6

[Intestinal cryptosporidiosis in a 14-year-old girl with a malabsorption syndrome and an obscure acquired defect of immunity] Janda J, et al. **Cesk Pediatr** 1987 Mar; 42(3):149–51 (Cze)

[Selective immune deficiency in IgA. Intestinal malabsorption syndrome and mixed connective tissue disease] Zaoui A, et al. **Rev Med Interne** 1987 May-Jun;8(3):320–3 (Eng. Abstr.) (Fre)

[Disorders of coagulation in children with malabsorption] Hajnžić TF, et al. **Ljec Vjesn** 1986 Oct;108(10):424–8 (Eng. Abstr.) (Scr)

[Chronic ulcerations of the small intestine. Report of a case] Varela SB. **Rev Fac Cien Med Univ Nac Cordoba** 1985; 43(2):45–6, 49 (Eng. Abstr.) (Spa)

CONGENITAL

Diagnosis of congenital glucose-galactose malabsorption by measuring sugar- and amino acid-evoked potential differences in jejunum in vivo. Igarashi Y, et al. **J Pediatr Gastroenterol Nutr** 1986 Nov-Dec;5(6):899–901

[Congenital malabsorption of glucose-galactose. Apropos of 2 cases] Garcia P, et al. **Ann Pediatr (Paris)** 1987 Apr; 34(4):317–20 (Eng. Abstr.) (Fre)

DIAGNOSIS

Hydrogen breath test in small intestinal malabsorption. Bodánszky H, et al. **Acta Paediatr Hung** 1987;28(1):45–9

Screening tests for enteropathy in children. Levine JJ, et al. **Am J Dis Child** 1987 Apr;141(4):435–8

The fat meal test of malabsorption: some further experience. Steen G, et al. **Clin Chim Acta** 1987 Feb 15;162(3):291–4

Fat digestion tests. Thorsgaard Pedersen N. **Digestion** 1987; 37 Suppl 1:25–34

[14C]-triolein absorption: a useful test in the diagnosis of malabsorption. Turner JM, et al. **Gut** 1987 Jun; 28(6):694–700

Anemia and abnormal upper gastrointestinal study in a 15-year-old adolescent [clinical conference] Wakely PE Jr, et al. **J Pediatr** 1987 Jul;111(1):148–53

Correlation between the results of oral loading tests (with xylose, lactose, saccharose) and the morphological status and enzymatic activity of small intestine mucosa in children with the malabsorption syndrome. Grodzka Z, et al. **Mater Med Pol** 1986 Apr-Jun;18(2):83–7

Breath tests as a diagnostic technique for malabsorption. Winter HS. **Pediatr Ann** 1987 Mar;16(3):258, 260, 262 (11 ref.)

Workup of the patient with malabsorption. Roberts IM.

Postgrad Med 1987 May 15;81(7):32–3, 37–42

Estimation of the 3-day faecal fat excretion and fat concentration as a differential test of malabsorption and maldigestion. Pedersen NT, et al. **Scand J Gastroenterol** 1987 Jan;22(1):91–6

[Intestinal malabsorption syndrome in chronic enteritis] Zlatkiva AR, et al. **Vutr Boles** 1986;25(5):56–8 **(Bul)**

[A new case of glucose-galactose malabsorption] La Selve P, et al. **Pediatrie** 1986 Jun;41(4):329–32 (Eng. Abstr.) **(Fre)**

[A case of lysinuric protein intolerance with intermittent stupor looking like psychomotor seizure in adulthood] Kitajima I, et al. **Rinsho Shinkeigaku** 1986 Jun;26(6):592–600 (Eng. Abstr.) **(Jpn)**

[Qualitative microscopic evaluation of fecal fats. Comparative study] Sevá-Pereira A, et al. **Arq Gastroenterol** 1986 Apr–Jun;23(2):95–8 (Eng. Abstr.) **(Por)**

[Chronic non-granulomatous ulcerative duodeno-jejuno-ileitis: presentation of a case] Márquez Galán JL, et al. **Rev Esp Enferm Apar Dig** 1986 Nov;70(5):453–5 (Eng. Abstr.) **(Spa)**

DIET THERAPY

Infant formulas [letter] Bentler M. **J Am Diet Assoc** 1986 Dec;86(12):1730

[Therapy of short bowel syndrome] Steinhardt HJ. **Dtsch Med Wochenschr** 1987 Jul 10;112(28–29):1139–41 (8 ref.) **(Ger)**

DRUG THERAPY

Enzyme substitution in pancreatic disease. Andrén-Sandberg A. **Digestion** 1987;37 Suppl 1:35–46

Cholesterol: an antidiarrheal agent in rats with short-bowel syndrome fed elemental diets. Huk I, et al. **Eur Surg Res** 1986;18(6):356–60

Tolerance to intravenous ranitidine. Hyman PE, et al. **J Pediatr** 1987 May;110(5):794–6

Cimetidine and neonatal small bowel adaptation: an experimental study. Goldman CD, et al. **J Pediatr Surg** 1987 Jun;22(6):484–7

Warfarin resistance in a patient with short-bowel syndrome. **Nutr Rev** 1987 Jul;45(7):208–11

Effects of cimetidine on jejunostomy effluents in patients with severe short-bowel syndrome. Jacobsen O, et al. **Scand J Gastroenterol** 1986 Sep;21(7):824–8

ETIOLOGY

Nutritional and metabolic consequences of extensive bowel resection. Andersson H, et al. **Dig Dis** 1986;4(4):193–202 (30 ref.)

Malabsorption. Weser E, et al. **Gastroenterology** 1966 Jun;50(6):811–28 (179 ref.)

Absence of bile acid malabsorption as a late effect of pelvic irradiation. Schuster JJ, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep;12(9):1605–10

Small bowel contamination and vitamin B12 deficiency in the elderly. Chesner IM, et al. **J Clin Gastroenterol** 1986 Aug;8(4):447–50

Sorbitol intolerance in adults. Prevalence and pathogenesis on two continents. Jain NK, et al. **J Clin Gastroenterol** 1987 Jun;9(3):317–9

Malabsorption of liposoluble vitamins in a child with bile acid deficiency. Vanderpas JB, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan–Feb;6(1):33–41

What has happened to carbohydrate intolerance following gastroenteritis? [editorial] **Lancet** 1987 Jan 3;1(8523):23–4

Plasma fatty acid composition in patients with ileal dysfunction. Färkkilä MA, et al. **Scand J Gastroenterol** 1987 May;22(4):411–9

[Malabsorption in alcoholic cirrhosis] Baumer P, et al. **Ann Gastroenterol Hepatol (Paris)** 1986 Dec;22(7):379–83 (Eng. Abstr.) **(Fre)**

[Intestinal malabsorption and giardiasis] Chapoy P. **Ann Pediatr (Paris)** 1987 May;34(5):391–4 (31 ref.) (Eng. Abstr.) **(Fre)**

[Permanent malabsorption of rifampicin in a diabetic with celiac disease] Dieterlen P, et al. **Arch Fr Pediatr** 1986 Jun–Jul;43(6):421–2 (Eng. Abstr.) **(Fre)**

[Effect of dietary fats on the motility and secretion of the gastrointestinal tract. A contribution to the fat intolerance syndrome] Schmidt-Wilcke HA. **Med Klin** 1987 May 8;82(10):356–9 **(Ger)**

[Intestinal infarct and the short intestine syndrome] Scarabelli L, et al. **Minerva Chir** 1986 Nov 30;41(22):1913–21 **(Ita)**

[Food allergy in children] Kaczmarski M, et al. **Pol Tyg Lek** 1986 Sep 15;41(37):1188–92 (27 ref.) **(Pol)**

[Malabsorption syndrome in a patient with primary antibody deficiency and lambliasis] Pirwitz B, et al. **Pol Tyg Lek** 1986 Aug 18;41(33):1053–5 (Eng. Abstr.) **(Pol)**

[Brown tumor of secondary hyperparathyroidism. Report of a case associated with intestinal malabsorption syndrome in a patient with progressive systemic sclerosis] Sierra Madero JG, et al. **Rev Invest Clin** 1986 Oct–Dec;38(4):421–4 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

[Glucose-galactose malabsorption] Gellért M, et al. **Orv Hetil** 1986 Dec 28;127(52):3195–7 (Eng. Abstr.) **(Hun)**

IMMUNOLOGY

[The intestinal immune system and malabsorption] Ricciuti C, et al. **Clin Ter** 1986 Dec 15;119(5):409–14 (Eng. Abstr.) **(Ita)**

METABOLISM

Nutritional absorption in short bowel syndrome. Evaluation of fluid, calorie, and divalent cation requirements. Woolf GM, et al. **Dig Dis Sci** 1987 Jan;32(1):8–15

Quantitation of fecal carbohydrate excretion in patients with short bowel syndrome. Ameen VZ, et al. **Gastroenterology** 1987 Feb;92(2):493–500

Bile salt malabsorption in pancreatic insufficiency secondary to alcoholic pancreatitis. Dutta SK, et al. **Gastroenterology** 1986 Nov;91(5):1243–9

Fecal carbohydrate excretion in short bowel syndrome [letter] Jeejeebhoy KN. **Gastroenterology** 1987 Aug;93(2):435

Malabsorption, hypocholesterolemia, and fat-filled enterocytes with increased intestinal apoprotein B. Chylomicron retention disease. Roy CC, et al. **Gastroenterology** 1987 Feb;92(2):390–9

[Identification of malabsorption syndromes by measurement of intestinal permeability. Its application to celiac disease in children (letter)] Dupont C, et al. **Presse Med** 1987 May 2;16(16):778 **(Fre)**

[A study of fatty acids in fecal fat in various malabsorption syndromes] Saitoh O. **Nippon Shokakibyo Gakkai Zasshi** 1987 Jan;84(1):6–12 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Rotavirus persistence in malabsorption syndrome: virus assessment by immunofluorescence in small intestine biopsies in relation to antibody titres. Körting HJ, et al. **Acta Virol (Praha)** 1987 Jan;31(1):31–5

Breath tests in small bowel bacterial overgrowth [letter] Modigliani R. **Gastroenterology** 1987 Jul;93(1):218

OCCURRENCE

[Chronic enteropathies in children] Kaczmarski M, et al. **Przegl Epidemiol** 1986;40(3):292–5 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Effect of zinc deficiency on mucosal hyperplasia following 70% bowel resection. Vanderhoof JA, et al. **Am J Clin Nutr** 1986 Nov;44(5):670–7

Mastocytosis with malabsorption, myelofibrosis, and massive ascites. Reisberg IR, et al. **Am J Gastroenterol** 1987 Jan;82(1):54–60

Primary bile acid malabsorption. Histologic and immunologic study in three patients. Popović OS, et al. **Gastroenterology** 1987 Jun;92(6):1851–8

Accumulation of ceroid in smooth muscle indicates severe malabsorption and vitamin E deficiency. Stamp GW, et al. **J Clin Pathol** 1987 Jul;40(7):798–802

[Alport syndrome, status following kidney transplantation, malabsorption syndrome; multilocular intestinal Kaposi sarcoma] Bachor R, et al. **Pathologe** 1987 Mar;8(2):122–4 **(Ger)**

[Atrophy of the duodeno-jejunal mucosa in cow's milk protein intolerance. Importance of cell-mediated immunologic factors] Balli F, et al. **Pediatr Med Chir** 1986 Sep–Oct;8(5):611–4 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Vitamin E deficiency and neurologic disease in adults with cystic fibrosis. Sitrin MD, et al. **Ann Intern Med** 1987 Jul;107(1):51–4

Nutrient malassimilation after total gastrectomy and possible intervention. Armbrecht U, et al. **Digestion** 1987;37 Suppl 1:56–60

Incidence and clinical significance of protein-bound vitamin B12 malabsorption. Jones BP, et al. **Eur J Haematol** 1987 Feb;38(2):131–6

Studies of the prevalence and significance of radiolabeled bile acid malabsorption in a group of patients with idiopathic chronic diarrhea. Schiller LR, et al. **Gastroenterology** 1987 Jan;92(1):151–60

[Physiology and pathophysiology of bile acids in infancy and childhood] Senger H, et al. **Padiatr Grenzgeb** 1986;25(4):317–28 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

[Extensive resection of the small in intestine with insertion of an antiperistaltic implant of the transverse colon in Wistar rats] Michalski A. **Ann Acad Med Stetin** 1986;32:95–107 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

[Usefulness and limitations of edema of the small intestine in malabsorption syndromes] Cirillo LC, et al. **Radiol Med (Torino)** 1987 Jan–Feb;73(1–2):28–34 (Eng. Abstr.) **(Ita)**

SURGERY

Surgical alternatives for the short bowel syndrome. Thompson JS, et al. **Am J Gastroenterol** 1987 Feb;82(2):97–106 (141 ref.)

Strategies for preserving intestinal length in the short-bowel syndrome. Thompson JS. **Dis Colon Rectum** 1987 Mar;30(3):208–13

[Allogeneic transplantation of the small intestine--animal experiments and a clinical retrospect] Luther B, et al. **Zentralbl Chir** 1987;112(10):657–72 (Eng. Abstr.) **(Ger)**

[Surgical correction of the short bowel syndrome in the growing body] Topuzov VS, et al. **Klin Khir** 1986;(11):61–2 **(Rus)**

THERAPY

Home parenteral nutrition in infantile short bowel syndrome. Taylor CJ, et al. **Acta Paediatr Scand** 1986 Sep;75(5):866–7

Nutritional assessment of children with short-bowel syndrome receiving home parenteral nutrition. Lin CH, et al. **Am J Dis Child** 1987 Oct;141(10):1093–8

Serum trace elements in children receiving long-term parenteral nutrition. Dahlstrom KA, et al. **J Pediatr** 1986 Oct;109(4):625–30

Chemically induced bowel denervation improves survival in short bowel syndrome. Sawchuk A, et al. **J Pediatr Surg** 1987 Jun;22(6):492–6

Oral anticoagulant therapy in patients who require nutritional support [letter] Gimmon Z. **JPEN J Parenter Enteral Nutr** 1987 Jan–Feb;11(1):102–3

Total parenteral nutrition in pregnancy: conception to delivery. Nugent FW, et al. **JPEN J Parenter Enteral Nutr** 1987 Jul–Aug;11(4):424–7

Planned pregnancy in a patient who was receiving home parenteral nutrition. Breen KJ, et al. **Med J Aust** 1987 Feb 16;146(4):215–7

Enteral and parenteral nutrition in patients with enteric fistulas and short bowel syndrome. Rombeau JL, et al. **Surg Clin North Am** 1987 Jun;67(3):551–71

Comprehensive care of the patient with gut failure: present and future. Fleming CR. **Trans Am Clin Climatol Assoc** 1986;98:197–207 (43 ref.)

[Postoperative short-bowel syndrome in an infant] Klusáček D, et al. **Cesk Pediatr** 1986 Aug;41(8):489–90 **(Cze)**

[Experiences with artificial nutrition at home from the viewpoint of a patient] Baczko M. **Beitr Infusionther Klin Ernahr** 1986;14:212–5 **(Ger)**

[Parenteral nutrition at home in chronic inflammatory bowel diseases and short bowel syndrome] Müller JM, et al. **Beitr Infusionther Klin Ernahr** 1986;14:237–49 **(Ger)**

[Ambulatory parenteral nutrition in short bowel syndrome: a retrospective study] Kolb S, et al. **Dtsch Med Wochenschr** 1987 Sep 18;112(38):1450–3 (Eng. Abstr.) **(Ger)**

[Enteropathic acrodermatitis] Chistiakova IA, et al. **Vestn Dermatol Venerol** 1987;(1):40–4 (Eng. Abstr.) **(Rus)**

VETERINARY

Breath hydrogen concentration and small intestinal malabsorption in calves. Holland RE, et al. **Am J Vet Res** 1986 Sep;47(9):2020–4

Comments on carbohydrate malabsorption [letter] Batt RM. **J Am Vet Med Assoc** 1987 Jan 1;190(1):4–5

Use of pulmonary hydrogen gas excretion to detect carbohydrate malabsorption in dogs. Washabau RJ, et al. **J Am Vet Med Assoc** 1986 Sep 15;189(6):674–9

Influence of creep feeding and dietary intake after weaning on malabsorption and occurrence of diarrhoea in the newly weaned pig. Hampson DJ, et al. **Res Vet Sci** 1986 Jul;41(1):63–9

MALACOPLAKIA

Granulomatous nephritis. Cohen MS. **Urol Clin North Am** 1986 Nov;13(4):647–59 (118 ref.)

[Malacoplakia. An unusual type of granulomatous inflammation] Valen B, et al. **Tidsskr Nor Laegeforen** 1986 Aug 10;106(22):1691–2 (Eng. Abstr.) **(Nor)**

BLOOD

[Malakoplakia at 3 sites: the bladder, urethra and kidney. Isolation and ultrastructural study of blood monocytes] Kantelip B, et al. **Ann Pathol** 1987;7(2):143–8 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Cutaneous malakoplakia with dermatomyositis. Singh M, et al. **Int J Dermatol** 1987 Apr;26(3):190–1

DIAGNOSIS

Cytologic diagnosis of prostatic malakoplakia. Report of three cases. Cazzaniga MG, et al. **Acta Cytol (Baltimore)** 1987 Jan–Feb;31(1):48–52

Diagnosis of intestinal malakoplakia by fine needle aspiration cytology. Kumar PV, et al. **Acta Cytol (Baltimore)** 1987 Jan–Feb;31(1):53–6

The radiological, ultrasound and computed tomographic findings in a case of renal malacoplakia. Puvaneswary M, et al. **Australas Radiol** 1987 May;31(2):192–5

Vertebral malacoplakia. A case report. Anastasiades KD, et al. **J Bone Joint Surg [Am]** 1987 Mar;69(3):458–62

Malacoplakia presenting as a pseudotumor of the bladder in cadaveric renal transplantation. Baniel J, et al. **J Urol** 1987 Feb;137(2):281–2

[A case of vesical malacoplakia diagnosed by randomized biopsy of the urinary bladder] Miyazaki J, et al. **Hinyokika Kiyo** 1987 Mar;33(3):420–3 (Eng. Abstr.) **(Jpn)**

[Renal malacoplakia] Estébanez Zarranz MJ, et al. **Actas Urol Esp** 1987 Jan–Feb;11(1):109–12 (Eng. Abstr.) **(Spa)**

[Malakoplakia of the prostate] Morales Calderón M, et al. **Arch Esp Urol** 1986 Jul–Aug;39(6):433–5 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Successful treatment of upper urinary tract malakoplakia. Fraser I, et al. **Br J Urol** 1987 May;59(5):485–6

Hypogammaglobulinaemia and malakoplakia: response to bethanechol. Webb M, et al. **Eur J Pediatr** 1986 Sep; 145(4):297–302

ETIOLOGY

[Malacoplakia and renal transplantation. Report of a case of testicular malacoplakia] Benoit G, et al. **Ann Urol (Paris)** 1986;20(5):337–40 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Renal and prostatic malakoplakia associated with submassive hepatic necrosis. A case report with immunocytochemical, ultrastructural and X-ray analytical observations. Nonomura A, et al. **Acta Pathol Jpn** 1986 Aug; 36(8):1251–62

Malakoplakia of the pancreas. A case report. Kulatunga A, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1987 May; 95(3):127–9

Malacoplakia of the colon. Hayden AJ, et al. **Milit Med** 1986 Nov;151(11):567–9

Malacoplakia of the ovary. Klempner LB, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):537–40

Malakoplakia of the eyelid. Addison DJ. **Ophthalmology** 1986 Aug;93(8):1064–7

Michaelis–Gutmann bodies in a healing brain infarct. Gal R, et al. **Stroke** 1987 Sep–Oct;18(5):947–50

[Malacoplakia of the prostate] Anders M, et al. **Z Urol Nephrol** 1987 May;80(5):259–62 (Eng. Abstr.) **(Ger)**

THERAPY

Re: Extensive pelvic malacoplakia: observations on management [letter] Bergman H. **J Urol** 1986 Oct; 136(4):920

MALAR BONE see **ZYGOMA**

MALARIA

Falciparum hepatitis [letter] Sharma SN. **J Assoc Physicians India** 1986 Jul;34(7):535

Relapsing malaria infection acquired in Kenya. Patterson JE, et al. **Yale J Biol Med** 1987 May–Jun;60(3):245–53

[Iatrophobia and malaria] Willumsen L, et al. **Ugeskr Laeger** 1986 Oct 20;148(43):2764–5 (Eng. Abstr.) **(Dan)**

[Developmental visceral malaria in a pregnant woman (letter)] Bourée P, et al. **Presse Med** 1986 Oct 4;15(33):1685 **(Fre)**

[Malaria and pregnancy] Segurado AA, et al. **Rev Paul Med** 1986 Nov–Dec;104(6):311–4 (Eng. Abstr.) **(Por)**

BLOOD

Malarial pigment-dependent error in the estimation of hemoglobin content in Plasmodium falciparum–infected red cells: implications for metabolic and biochemical studies of the erythrocytic phases of malaria. Roth EF Jr, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):906–11

Human and primate malarial sera inhibit Fc receptor–mediated phagocytosis. Shear HL, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):234–9

Thrombospondin binding by parasitized erythrocyte isolates in falciparum malaria. Sherwood JA, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):228–33

Nucleoside permeation in mouse erythrocytes infected with Plasmodium yoelii. Gati WP, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1134–41

P. falciparum invasion of human red cells and cytoadherence to endothelial cells is dependent upon a parasite produced glycosidase. Makler MT. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):461–6

Possible basis for membrane changes in nonparasitized erythrocytes of malaria–infected animals. Joshi P, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):220–2

Phospholipid organization in monkey erythrocytes upon Plasmodium knowlesi infection. Van der Schaft PH, et al. **Biochim Biophys Acta** 1987 Jul 10;901(1):1–14

The relationship of phosphorylation of membrane proteins with the osmotic fragility and filterability of Plasmodium berghei–infected mouse erythrocytes. Yuthavong Y, et al. **Biochim Biophys Acta** 1987 Jul 29;929(3):278–87

Histidine-rich protein in rodent malaria. Ruffin P. **Biochimie** 1987 Mar;69(3):249–53

Glucose-6-phosphate dehydrogenase of malaria parasite Plasmodium falciparum. Yoshida A, et al. **Blood** 1987 May; 69(5):1528–30

Platelet reactions after interaction with cultured Plasmodium falciparum infected erythrocytes. Inyang AL, et al. **Br J Haematol** 1987 Jul;66(3):375–8

A malaria protein exported into a new compartment within the host erythrocyte. Simmons D, et al. **EMBO J** 1987 Feb;6(2):485–91

Plasmodium chabaudi malaria: red blood cells with altered membrane proteins in immune mice. Wunderlich F, et al. **Eur J Cell Biol** 1987 Jun;43(3):499–500

Pharmacokinetics of primaquine in patients with P. vivax malaria. Bhatia SC, et al. **Eur J Clin Pharmacol** 1986; 31(2):205–10

Effect of inhibitors on glucose transport in malaria (Plasmodium berghei) infected erythrocytes. Tripatara A, et al. **Int J Parasitol** 1986 Oct;16(5):441–6

A new human Duffy blood group specificity defined by a murine monoclonal antibody. Immunogenetics and association with susceptibility to Plasmodium vivax. Nichols ME, et al. **J Exp Med** 1987 Sep 1;166(3):776–85

Red cell survival in patients with Plasmodium falciparum malaria. Areekul S. **J Med Assoc Thai** 1987 Jan;70(1):25–30

Superoxide dismutase and catalase activities in red cells of patients with Plasmodium falciparum. Areekul S, et al. **J Med Assoc Thai** 1987 Mar;70(3):127–31

Lipids from Plasmodium vinckei–infected erythrocytes and their susceptibility to oxidative damage. Stocker R, et al. **Lipids** 1987 Jan;22(1):51–7

Generation of reactive oxygen species in whole blood from patients with acute falciparum malaria. Descamps-Latscha B, et al. **Parasite Immunol** 1987 Mar;9(2):275–9

Suppression of blood monocyte and neutrophil chemotaxis in acute human malaria. Nielsen H, et al. **Parasite Immunol** 1986 Nov;8(6):541–50

Plasma lactoferrin content: differential effect of steroid administration and infective illnesses: lack of effect of ambient temperature at which specimens are collected. Baynes RD, et al. **Scand J Haematol** 1986 Oct;37(4):353–9

Race-linked differences in serum concentrations of dapsone, monoacetyldapsone and pyrimethamine during malaria prophylaxis. Cook IF, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):897–901

Whole blood concentrations of chloroquine and desethylchloroquine during and after treatment of adult patients infected with Plasmodium vivax, P. ovale or P. malariae. Rombo L, et al. **Trans R Soc Trop Med Hyg** 1986;80(5):763–6

[Effects of chloroquine on polyamines and nucleic acid of malaria parasites] Huang ZY, et al. **Chung Kuo Yao Li Hsueh Pao** 1987 Jan;8(1):63–8 (Eng. Abstr.) **(Chi)**

[Sickle cell anemia and malaria. Current data] Beauvais P, et al. **Arch Fr Pediatr** 1986 Apr;43(4):279–82 (32 ref.) **(Fre)**

CEREBROSPINAL FLUID

Vitamin B12 and vitamin B12 binding protein in cerebrospinal fluid of patients with Plasmodium falciparum cerebral malaria. Areekul S, et al. **J Med Assoc Thai** 1986 Sep;69(9):469–73

Man over monkey [editorial] **Lancet** 1987 May 2;1(8540):1016

CSF lactate in falciparum malaria patients [letter] Myint PT, et al. **Lancet** 1987 Feb 7;1(8528):330

COMPLICATIONS

Plasmodium berghei–infected mice: lack of effect of meclizine and cimetidine on the development of pulmonary oedema. Martins MA, et al. **Ann Trop Med Parasitol** 1986 Oct; 80(5):491–9

Infections in the malnourished: with special reference to malaria and malnutrition in the tropics. Edirisinghe JS. **Ann Trop Paediatr** 1986 Dec;6(4):233–7 (56 ref.)

Delayed cerebellar ataxia: a new complication of falciparum malaria? [letter] de Silva HJ. **Br Med J [Clin Res]** 1987 Jun 20;294(6587):1612

Delayed cerebellar ataxia: a new complication of falciparum malaria? Senanayake N. **Br Med J [Clin Res]** 1987 May 16;294(6582):1253–4

A delayed onset cerebellar syndrome complicating falciparum malaria. de Silva HJ, et al. **Ceylon Med J** 1986 Sep;31(3):147–50

Splenomegaly in malaria. Mashaal HA. **Indian J Malariol** 1986 Jun;23(1):1–18 (24 ref.)

Renal involvement in malaria. Chugh KS, et al. **Int J Artif Organs** 1986 Nov;9(6):391–2

Thrombocytopenic purpura in Plasmodium falciparum malaria [letter] Sharma PK, et al. **J Assoc Physicians India** 1986 Sep;34(9):676

Chronic falciparum cardiomyopathy [letter] Sharma SN, et al. **J Assoc Physicians India** 1987 Mar;35(3):251–2

Malarial acute renal failure [letter] Singh RB. **J Assoc Physicians India** 1986 Aug;34(8):605–8

Pernicious syndromes in malaria. Upadhyaya PK, et al. **J Assoc Physicians India** 1987 Mar;35(3):185–8

Enhancing effects of rodent malaria on aflatoxin B1–induced hepatic neoplasia. Angsubhakorn S, et al. **J Cancer Res Clin Oncol** 1986;112(2):177–9

Plasmodium falciparum malaria and Salmonella infections in Gambian children. Mabey DC, et al. **J Infect Dis** 1987 Jun;155(6):1319–21

Acute cerebellar ataxia in adults (report of two cases). Gupta MM, et al. **J Postgrad Med** 1986 Apr;32(2):107–9

Hypoglycaemia in African children with severe malaria. White NJ, et al. **Lancet** 1987 Mar 28;1(8535):708–11

Acute hepatic failure due to Plasmodium falciparum liver injury. Joshi YK, et al. **Liver** 1986 Dec;6(6):357–60

The significance of parasitic infections in terms of clinical disease: a personal view. McGregor IA. **Parasitology** 1987; 94 Suppl:S159–78 (76 ref.)

Hypoglycaemia and cerebral malaria. Kiire CF. **Postgrad Med J** 1986 May;62(727):401–2

Noncardiogenic pulmonary edema and pulmonary fibrosis in falciparum malaria. Feldman RM, et al. **Rev Infect Dis** 1987 Jan–Feb;9(1):134–9

Unusual presentation of malaria as a leukaemoid reaction. A case report. Irving KG, et al. **S Afr Med J** 1987 May 2;71(9):597–8

An unusual infection in acute leukemia [letter] Sinoff CL, et al. **S Afr Med J** 1987 Aug 15;72(4):298

Leucocytosis in acute Plasmodium falciparum malaria [letter] Stein CM. **S Afr Med J** 1987 Sep 5;72(5):363

Influence of aflatoxin on nutrition and malaria in mice [letter] Hendrickse RG, et al. **Trans R Soc Trop Med Hyg** 1986; 80(5):846–7

Total dose iron infusion, malaria and pregnancy in Papua New Guinea. Oppenheimer SJ, et al. **Trans R Soc Trop Med Hyg** 1986;80(5):818–22

The interaction of alpha thalassaemia with malaria. Oppenheimer SJ, et al. **Trans R Soc Trop Med Hyg** 1987; 81(2):322–6

[Neuro-chorio-retinal manifestations in Onchocerca volvulus and Loa loa filariasis associated with malaria] Popescu MP, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:54–6 **(Fre)**

[Malaria and pregnancy] Bourée P, et al. **Rev Fr Gynecol Obstet** 1986 Oct;81(10):559–62 (27 ref.) (Eng. Abstr.) **(Fre)**

CONGENITAL

Congenital malaria. Meerstadt PW. **Clin Exp Obstet Gynecol** 1986;13(3–4):78–82 (43 ref.)

Two patients with congenital plasmodium falciparum malaria. Hay M. **Ir Med J** 1986 Dec;79(12):358

Congenital malaria due to Plasmodium vivax: a case study in Papua New Guinea. Schuurkamp GJ, et al. **Papua New Guinea Med J** 1986 Dec;29(4):309–12

[Congenital neuro–malaria (letter)] Cheron G, et al. **Arch Fr Pediatr** 1986 Nov;43(9):751 **(Fre)**

[Congenital malaria. Apropos of 4 new cases] Nzingoula S, et al. **Rev Med Brux** 1986 Nov;7(9):561–3 (Eng. Abstr.) **(Fre)**

[Congenital malaria. Presentation of a case] González Font A, et al. **Rev Cubana Med Trop** 1986 May–Aug;38(2):237–9 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Simultaneous use of Plasmodium falciparum crude antigen and red blood cell control antigen in the enzyme-linked immunosorbent assay for malaria. Demedts P, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):257–63

The feasibility of a Dot enzyme–linked immunosorbent assay (Dot–ELISA) for the diagnosis of Plasmodium falciparum antigens and antibodies. Londner MV, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):240–5

Assessment of a synthetic DNA probe for Plasmodium falciparum in African blood specimens. McLaughlin GL, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):27–36

Evaluation of a synthetic oligonucleotide probe for diagnosis of Plasmodium falciparum infections. Mucenski CM, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):912–20

DNA probe for P. falciparum [letter] Pang L. **Am J Trop Med Hyg** 1987 May;36(3):672

Clinical profile of malaria in children—a prospective study from Aligarh (N. India). Ahmad SH, et al. **Ann Trop Paediatr** 1987 Jun;7(2):82–6

The use of DNA probes for malaria diagnosis: memorandum from a WHO meeting. **Bull WHO** 1986;64(5):641–52

Diagnosis of Plasmodium falciparum infection by spot hybridization assay: specificity, sensitivity, and field applicability. Holmberg M, et al. **Bull WHO** 1986; 64(4):579–85

Pitfalls in the clinical diagnosis of cerebral malaria. Maro EE, et al. **East Afr Med J** 1986 Oct;63(10):679–82

Case report of an atypical presentation of falciparum malaria. Thompson AV, et al. **East Afr Med J** 1987 Jan;64(1):88–9

Cerebral malaria? Be on the look-out! Endeshaw Y, et al. **Ethiop Med J** 1986 Oct;24(4):183–6

Sequential changes in IFA titres and protein fractions of sera from Plasmodium cynomolgi B infected simian hosts. Kumar A, et al. **Indian J Exp Biol** 1986 Nov;24(11):696–9

Studies on the detection of malaria at primary health centres. Part II. Age and sex composition of patients subjected to blood examination in passive case detection. Beljaev AE, et al. **Indian J Malariol** 1986 Jun;23(1):19–25

Cerebral malaria in children. Ahmad SH, et al. **Indian J Pediatr** 1986 May–Jun;53(3):409–13

Hemolytic anemia in neonatal malaria [letter] Krishnamurthy BJ. **Indian Pediatr** 1986 Nov;23(11):960–1

Exercise provocation test for clinical malaria. Mehta SR, et al. **J Assoc Physicians India** 1987 Mar;35(3):205–6

Cerebral malaria [letter] Shah PK, et al. **J Assoc Physicians India** 1986 Dec;34(12):893–4

Two-site immunoradiometric assay for detection of

Plasmodium falciparum antigen in blood using monoclonal and polyclonal antibodies. Khusmith S, et al. **J Clin Microbiol** 1987 Aug;25(8):1467–71

An oligonucleotide probe for detecting Plasmodium falciparum: an analysis of clinical specimens from six countries. Buesing M, et al. **J Infect Dis** 1987 Jun; 155(6):1315–8

Adult cerebral malaria in Zambia: preliminary report of clinical findings and treatment response. Olweny CL, et al. **J Trop Med Hyg** 1986 Jun;89(3):123–9

Use of enzyme-linked synthetic DNA in diagnosis of falciparum malaria. McLaughlin GL, et al. **Lancet** 1987 Mar 28;1(8535):714–6

Severe falciparum malaria [letter] Isaacs RD, et al. **NZ Med J** 1986 Sep 10;99(809):683

Immunoserology of malaria. Franco EL. **Rev Inst Med Trop Sao Paulo** 1986 Mar–Apr;28(2):111–25 (90 ref.)

Malaria diagnosis [letter] Pettersson U, et al. **Science** 1987 Apr 3;236(4797):11–2

Leishmaniasis and malaria: new tools for epidemiologic analysis. Wirth DF, et al. **Science** 1986 Nov 21; 234(4779):975–9

Are malaria films requested appropriately? A study of all film requests in one health district. Cohen DL, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):282–3

A simple method for post-mortem confirmation of the diagnosis of cerebral malaria: transethmoidal puncture of the brain. Ranque P. **Trans R Soc Trop Med Hyg** 1986; 80(4):663

Fatal P. falciparum malaria mimicking Babesia infection. Newsome F. **Trop Doct** 1987 Jul;17(3):141–2

['Flu' following a visit to the tropics, a pitfall] Kager PA. **Ned Tijdschr Geneeskd** 1987 May 9;131(19):794–7 **(Dut)**

[Difficult diagnosis of the plasmodial species] Leroy O, et al. **Bull Soc Pathol Exot Filiales** 1986;79(4):503–6 (Eng. Abstr.) **(Fre)**

[Fever and shivering fits] Spieker C, et al. **Schweiz Rundsch Med Prax** 1986 Dec 16;75(51):1569–71 (Eng. Abstr.) **(Ger)**

[Malaria and abdominal typhus—a differential diagnostic problem. Case report] Sänger R, et al. **Z Arztl Fortbild (Jena)** 1986;80(19):819–20 **(Ger)**

[The early diagnosis of malaria] Tarasov VI. **Voen Med Zh** 1986 Oct;(10):33–4 **(Rus)**

[Simultaneous comparison of acridine orange and Giemsa stains in the diagnosis of malaria] Pividal Grana J, et al. **Rev Cubana Med Trop** 1986 Sep–Dec;38(3):289–95 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Single-dose chloroquine therapy for Plasmodium falciparum in children in Togo, West Africa. Breman JG, et al. **Am J Trop Med Hyg** 1987 May;36(3):469–73

Amodiaquine less effective than chloroquine in the treatment of falciparum malaria in the Philippines. Watt G, et al. **Am J Trop Med Hyg** 1987 Jan;36(1):3–8

In vivo chloroquine sensitivity of Plasmodium falciparum in South West Niger. Haegeman F, et al. **Ann Soc Belg Med Trop** 1987 Mar;67(1):67–70

The chemotherapy of rodent malaria, XL. The action of artemisinin and related sesquiterpenes. Peters W, et al. **Ann Trop Med Parasitol** 1986 Oct;80(5):483–9

Plasma and whole blood mefloquine concentrations during treatment of chloroquine-resistant falciparum malaria with the combination mefloquine-sulphadoxine-pyrimethamine. Karbwang J, et al. **Br J Clin Pharmacol** 1987 Apr; 23(4):477–81

A phase-III clinical trial of mefloquine in children with chloroquine-resistant falciparum malaria in Thailand. Chongsuphajaisiddhi T, et al. **Bull WHO** 1987;65(2):223–6

Antimalarial activity of tripynadine in mice and monkeys. Li CJ, et al. **Chung Kuo Yao Li Hsueh Pao** 1987 Jan; 8(1):68–71

Malaria and the cinchona alkaloids [editorial] Were JB. **East Afr Med J** 1987 Jan;64(1):1–2

Antimalarial activity and inhibition of monoamine oxidases A and B by exo-erythrocytic antimalarials. Optical isomers of primaquine, N-acylated congeners, primaquine metabolites and 5-phenoxy-substituted analogues. Brossi A, et al. **FEBS Lett** 1987 Apr 20;214(2):291–4

In vitro susceptibility of chloroquine resistant Plasmodium falciparum to mefloquine in Delhi. Gajanana A, et al. **Indian J Malariol** 1986 Dec;23(2):91–4

The current status of drug resistance in malaria. Bunnag D, et al. **Int J Parasitol** 1987 Feb;17(1):169–80 (36 ref.)

Antimalarial drugs: mode of action and resistance. Warhurst DC. **J Antimicrob Chemother** 1986 Oct;18 Suppl B:51–9

Management of falciparum malaria [letter] Gopinathan VP. **J Assoc Physicians India** 1986 Dec;34(12):892

Co-trimoxazole in the treatment of malaria in psoriatics [letter] Mittal R, et al. **J Assoc Physicians India** 1986 Apr; 34(4):303

Screening Azadirachta indica and Pisum sativum for possible antimalarial activities. Abatan MO, et al. **J Ethnopharmacol** 1986 Jul;17(1):85–93

Continuous-infusion quinidine gluconate for treating children with severe Plasmodium falciparum malaria. Rudnitsky G, et al. **J Infect Dis** 1987 May;155(5):1040–3

Parenteral chloroquine for treating falciparum malaria. White NJ, et al. **J Infect Dis** 1987 Feb;155(2):192–201

Synthesis and antimalarial effects of 4-[(7-chloro-4-quinolinyl)amino]-2-[(diethylamino)= methyl] -6-alkylphenols and their N omega-oxides. Kesten SJ, et al. **J Med Chem** 1987 May;30(5):906–11

Plants as sources of antimalarial drugs, Part 4: Activity of Brucea javanica fruits against chloroquine-resistant Plasmodium falciparum in vitro and against Plasmodium berghei in vivo. O'Neill MJ, et al. **J Nat Prod** 1987 Jan–Feb; 50(1):41–8

Chloroquine-resistant falciparum malaria from East Africa. Bhattacharya DN, et al. **J Trop Med Hyg** 1986 Dec; 89(6):291–4

Concurrent chloroquine- and Fansidar-resistant Plasmodium falciparum: an imported case into Zimbabwe. Dallas AB, et al. **J Trop Med Hyg** 1986 Oct;89(5):265–8

Epidemiology of the emergence and spread of drug-resistant falciparum malaria in South-East Asia and Australasia. Verdrager J. **J Trop Med Hyg** 1986 Dec;89(6):277–89

A combination of sulfamonomethoxine and pyrimethamine versus other drugs for the treatment of malaria. Ebisawa I, et al. **Jpn J Exp Med** 1986 Oct;56(5):213–9

Assessment of possible drug-resistant Plasmodium falciparum in a pregnant traveller with sickle cell disease [letter] Greenberg AE, et al. **Lancet** 1987 Feb 21;1(8530):454–5

Amodiaquine-resistant malaria in Brazil [letter] Kremsner PG, et al. **Lancet** 1987 Sep 19;2(8560):684

Polymorphism of proteins in malaria parasites following mefloquine treatment. Pinswasdi C, et al. **Mol Biochem Parasitol** 1987 Mar;23(2):159–64

Desferrioxamine suppresses Plasmodium falciparum in Aotus monkeys. Pollack S, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):162–4

Advances in chemotherapy of malaria. Saxena AK, et al. **Prog Drug Res** 1986;30:221–80 (427 ref.)

Chloroquine-resistant malaria [letter] **S Afr Med J** 1987 Feb 21;71(4):263–5

In vivo and in vitro susceptibility of Plasmodium falciparum to sulphadoxine/pyrimethamine in Liberia, West Africa. Björkman A, et al. **Trans R Soc Trop Med Hyg** 1986; 80(4):572–4

Treatment of imported cases of falciparum malaria in France with halofantrine. Coulaud JP, et al. **Trans R Soc Trop Med Hyg** 1986;80(4):615–7

Pyrimethamine-sulfadoxine still effective against Plasmodium falciparum in Jayapura, Irian Jaya: RI-type resistance in 2 of 18 patients. Hoffman SL, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):276–7

Response of falciparum malaria in vivo to a standard regimen of chloroquine in Kisumu District, Western Kenya. Oloo AJ, et al. **Trans R Soc Trop Med Hyg** 1986;80(4):532–3

Phagocytic function of monocytes of rhesus monkeys during Plasmodium knowlesi infection and the effect of treatment with chloroquine. Prasad RN, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):886–8

Severe chloroquine-resistant falciparum malaria in Gabon with decreased sensitivity to quinine [letter] Simon F, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):996–7

Response of Plasmodium falciparum to dihydrofolate reductase inhibitors in Malindi, Kenya. Spencer HC, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):201–3

Seven patients with relapses of Plasmodium vivax or P. ovale despite primaquine treatment. Rombo L, et al. **Trop Med Parasitol** 1987 Mar;38(1):49–50

Concentrations of chloroquine and desethylchloroquine in capillary blood dried on filter paper during and after treatment of Tanzanian children infected with Plasmodium falciparum. Rombo L, et al. **Trop Med Parasitol** 1986 Sep; 37(3):237–40

[The extent of resistance of chloroquine-resistant falciparum malaria and the geographic distribution in China] Liu DQ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(2):81–5 (Eng. Abstr.) **(Chi)**

[Further studies on the relapse of Plasmodium cynomolgi in rhesus monkeys] Wang XX, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(2):126–8 (Eng. Abstr.) **(Chi)**

[Experimental studies on the biological characteristics of Plasmodium vivax in south Yunnan] Yang BL, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(2):101–5 (Eng. Abstr.) **(Chi)**

[On the residual activity of pyronaridine against Plasmodium cynomolgi in rhesus monkeys] Zhang JX, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(2):129–31 (Eng. Abstr.) **(Chi)**

[Combined use of artemether with other antimalarials in the treatment of falciparum malaria] Pang XJ. **Chung Hua I Hsueh Tsa Chih** 1987 Mar;67(3):137–9, 184 (Eng. Abstr.) **(Chi)**

[Advances in the chemotherapy of malaria] Zhang JX. **Chung Hua Nei Ko Tsa Chih** 1986 Jun;25(6):361–4 (13 ref.) **(Chi)**

[Research on primaquine] Shao BR. **Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1987;5(1):61–2 (28 ref.) **(Chi)**

[Use of injectable concentrates of purified fibronectin in an attack of malignant malaria (letter)] Lefrère JJ, et al. **Ann Med Interne (Paris)** 1987;138(2):145–6 **(Fre)**

[Resistance of Plasmodium falciparum to antimalarials. Preventive and therapeutic consequences for malaria in children] Ambroise-Thomas P. **Ann Pediatr (Paris)** 1987 May;34(5):359–67 (Eng. Abstr.) **(Fre)**

[Determination of the chemosensitivity of Plasmodium falciparum: methodology and interpretation] Le Bras J, et al. **Ann Pediatr (Paris)** 1987 May;34(5):349–56 (Eng. Abstr.) **(Fre)**

[Effect of chemoprophylaxis or chemotherapy with chloroquine on the acquisition of antimalarial fluorescent antibodies in the savannah area] Brandicourt O, et al. **Ann Soc Belg Med Trop** 1987 Mar;67(1):17–22 (Eng. Abstr.) **(Fre)**

[Drug sensitivity of malaria in Madagascar. Comparison in vivo and in vitro of the effects of chloroquine and amodiaquine on P. falciparum in 1984] Biaud JM, et al. **Arch Inst Pasteur Madagascar** 1986;52(1):73–84 **(Fre)**

[Is it necessary to perform sensitivity tests for malaria in the hospital environment?] Brandicourt O, et al. **Bull Soc Pathol Exot Filiales** 1986;79(3):352–9 (Eng. Abstr.) **(Fre)**

[Drug resistance of Plasmodium falciparum in Congo. I. In vivo study with 10 and 25 mg/kg of chloroquine (235 tests)] Carme B, et al. **Bull Soc Pathol Exot Filiales** 1986; 79(4):490–502 (Eng. Abstr.) **(Fre)**

[Therapeutic trials of experimental murine malaria with the quassinoid, glaucarubinone] Monjour L, et al. **C R Acad Sci [III]** 1987;304(6):129–32 (Eng. Abstr.) **(Fre)**

[Malaria] Ecker-Schlipf B. **Med Monatsschr Pharm** 1987 Mar;10(3):74–9 **(Ger)**

[New ways of treating and preventing malaria: mefloquine (Lariam)] Kollaritsch H, et al. **Wien Klin Wochenschr** 1987 May 15;99(10):346–51 (Eng. Abstr.) **(Ger)**

[Black water fever associated with quinine-MP therapy of a malaria patient] Kumagai Y, et al. **Kansenshogaku Zasshi** 1986 Jul;60(7):707–10 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of SMX/TMP in treatment of patients with malaria] Yamaguchi K, et al. **Kansenshogaku Zasshi** 1986 Sep;60(9):1027–35 (Eng. Abstr.) **(Jpn)**

[Effect of vitamins D and E on the development of Plasmodium berghei infection in mice] Sergacheva IuIu, et al. **Med Parazitol (Mosk)** 1986 Jul–Aug;(4):15–8 (Eng. Abstr.) **(Rus)**

[Malaria in pregnant women--native inhabitants of the Congo—and its treatment using quinimax and fansidar] Splavskiĭ OI. **Med Parazitol (Mosk)** 1986 Sep–Oct;(5):49–51 (Eng. Abstr.) **(Rus)**

[Treatment of imported tropical malaria caused by chloroquine-resistant strains of P. falciparum] Loban KM, et al. **Ter Arkh** 1987;59(1):69–72 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Plasmodium berghei and Plasmodium chabaudi: a neutral endopeptidase in parasite extracts and plasma of infected animals. Bernard F, et al. **Exp Parasitol** 1987 Aug; 64(1):95–103

High-performance liquid chromatographic assay for pteroylpolyglutamate hydrolase. Krungkrai J, et al. **J Chromatogr** 1987 Jun 5;417(1):47–56

Effect of P. vivax malaria on G-6-PD pH-optima of host red cells. Bhattachariya J, et al. **J Commun Dis** 1986 Sep; 18(3):208–14

Effect of Plasmodium yoelii nigeriensis infection and chloroquine on the hepatic mixed function oxidase system of mice. Saxena N, et al. **Mol Biochem Parasitol** 1987 Jul; 24(3):283–7

Kinetic and molecular properties of the dihydrofolate reductase from pyrimethamine-sensitive and pyrimethamine-resistant clones of the human malaria parasite Plasmodium falciparum. Chen GX, et al. **Mol Pharmacol** 1987 Apr;31(4):430–7

ETIOLOGY

Nutritional and socio-demographic risk indicators of malaria in children under five: a cross-sectional study in a Sudanese rural community. el Samani FZ, et al. **J Trop Med Hyg** 1987 Apr;90(2):69–78

[Late manifestations of Plasmodium falciparum after leaving an endemic area (letter)] Cristau P, et al. **Presse Med** 1987 Mar 21;16(10):493 **(Fre)**

[Outbreak of latent malaria following splenectomy for trauma] Vasin VA, et al. **Klin Med (Mosk)** 1986 Oct; 64(10):136–7 **(Rus)**

[Parasitosis caused by Plasmodium vivax] López Sánchez C, et al. **An Esp Pediatr** 1986 Dec;25(6):493–4 **(Spa)**

IMMUNOLOGY

Influence of circulating malarial antigens on cell mediated immunity in acute Plasmodium falciparum malaria. Ballet JJ, et al. **Acta Trop (Basel)** 1986 Sep;43(3):255–62

Antibodies to the PF155 antigen of Plasmodium falciparum: measurement by cell-ELISA and correlation with expected immune protection. Deloron P, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):22–6

Granulocyte chemotaxis in acute human Plasmodium falciparum malaria. Adebiyi RF, et al. **Ann Trop Med Parasitol** 1986 Aug;80(4):387–90

Characterisation of the host response to Plasmodium falciparum infection in acute non-complicated malaria. Cowen NL, et al. **Aust J Exp Biol Med Sci** 1986 Jun;64 (Pt 3):229–35

Evidence against immune haemolysis in falciparum malaria in Thailand. Merry AH, et al. **Br J Haematol** 1986 Sep;

64(1):187–94
Defined Plasmodium falciparum antigens in malaria serology. Gabra MS, et al. **Bull WHO** 1986;64(6):889–96
Immunity to Plasmodium yoelii: kinetics of the generation of T and B lymphocytes that passively transfer protective immunity against virulent challenge. Fahey JR, et al. **Cell Immunol** 1986 Apr 1;98(2):486–95
Intrathecal immunoglobulin synthesis in cerebral malaria. Chapel HM, et al. **Clin Exp Immunol** 1987 Mar;67(3):524–30
Macrophage cytotoxicity in lethal and non–lethal murine malaria and the effect of vaccination. Taverne J, et al. **Clin Exp Immunol** 1986 Oct;66(1):44–51
IgG–subclass expression of anti–DNA and anti–ribonucleoprotein autoantibodies in human malaria. Zouali M, et al. **Clin Exp Immunol** 1986 Nov;66(2):273–8
Antigenic variation and antigenic diversity in malaria. Howard RJ. **Contrib Microbiol Immunol** 1987;8:176–218 (101 ref.)
Immunopathologic role of complement activation in adult respiratory distress syndrome secondary to Plasmodium falciparum malaria [letter] Lancon JP, et al. **Crit Care Med** 1987 Apr;15(4):339
Isotypic pattern of the polyclonal B cell response during primary infection by Plasmodium chabaudi and in immune–protected mice. Falanga PB, et al. **Eur J Immunol** 1987 May;17(5):599–603
Plasmodium falciparum–specific human T cell clones: recognition of different parasite antigens. Pink JR, et al. **Eur J Immunol** 1987 Feb;17(2):193–6
Plasmodium falciparum–specific human T cell clones: evidence for helper and cytotoxic activities. Sinigaglia F, et al. **Eur J Immunol** 1987 Feb;17(2):187–92
Limiting dilution assay for human B cells based on their activation by mutant EL4 thymoma cells: total and antimalaria responder B cell frequencies. Wen L, et al. **Eur J Immunol** 1987 Jun;17(6):887–92
Effect of chloroquine on cellular immune responses of normal and P. knowlesi–infected rhesus monkeys. Prasad RN, et al. **Immunol Cell Biol** 1987 Jun;65 (Pt 3):211–6
Antibody–dependent and –independent cytotoxic activity of spleen cells for Plasmodium berghei from susceptible and resistant rats. Orago AS, et al. **Immunology** 1986 Oct; 59(2):283–8
Natural cytotoxicity for Plasmodium berghei in vitro by spleen cells from susceptible and resistant rats. Solomon JB. **Immunology** 1986 Oct;59(2):277–81
Cell–mediated immune responses in drug–suppressed simian Plasmodium knowlesi infection. Biswas S, et al. **Indian J Malariol** 1986 Dec;23(2):123–6
Epidemiological correlation between levels of antibodies promoting merozoite phagocytosis of Plasmodium falciparum and malaria–immune status. Druilhe P, et al. **Infect Immun** 1987 Apr;55(4):888–91
Rapid parasite multiplication rate, rather than immunosuppression, causes the death of mice infected with virulent Plasmodium yoelii. Fahey JR, et al. **Infect Immun** 1987 Feb;55(2):490–3
Characterization of a 96–kilodalton thermostable polypeptide antigen of Plasmodium falciparum related to protective immunity in the squirrel monkey. Jouin H, et al. **Infect Immun** 1987 Jun;55(6):1387–92
Malaria transmission–blocking immunity induced by natural infections of Plasmodium vivax in humans. Mendis KN, et al. **Infect Immun** 1987 Feb;55(2):369–72
Modulation of primary antibody responses to sheep erythrocytes in Plasmodium chabaudi–infected resistant and susceptible mouse strains. Stevenson MM, et al. **Infect Immun** 1986 Nov;54(2):600–2
Vaccination against malaria: recent advances and the problems of antigenic diversity and other parasite evasion mechanisms. Howard RJ. **Int J Parasitol** 1987 Feb; 17(1):17–29 (110 ref.)
Detection of human antibodies against Plasmodium falciparum sporozoites using synthetic peptides. Del Giudice G, et al. **J Clin Microbiol** 1987 Jan;25(1):91–6
Immunological characteristics of malaria antibodies in two regions of Madagascar. Deloron P, et al. **J Clin Microbiol** 1987 May;25(5):911–5
Development of immunity in natural Plasmodium falciparum malaria: antibodies to the falciparum sporozoite vaccine 1 antigen (R32tet32). Webster HK, et al. **J Clin Microbiol** 1987 Jun;25(6):1002–8
Vaccination–induced variation in the 140 kD merozoite surface antigen of Plasmodium knowlesi malaria. Klotz FW, et al. **J Exp Med** 1987 Feb 1;165(2):359–67
L3T4+ T lymphocytes play a major role in the pathogenesis of murine cerebral malaria. Grau GE, et al. **J Immunol** 1986 Oct 1;137(7):2348–54
Cellular subsets involved in cell–mediated immunity to murine Plasmodium yoelii 17X malaria. Mogil RJ, et al. **J Immunol** 1987 Mar 15;138(6):1933–9
Interferon–gamma inhibits the intrahepatocytic development of malaria parasites in vitro. Schofield L, et al. **J Immunol** 1987 Sep 15;139(6):2020–5
Immunoglobin M and malarial antibody levels in hyper–reactive malarial splenomegaly. De Cock KM, et al. **J Trop Med Hyg** 1986 Jun;89(3):119–21
The sickle–cell trait modifies the intensity and specificity of the immune response against P. falciparum malaria and leads to acquired protective immunity. Bayoumi RA. **Med Hypotheses** 1987 Mar;22(3):287–98
Parasiticidal activity of macrophages against Plasmodium. Shear HL, et al. **Methods Enzymol** 1986;132:637–48
IgG subclasses in parasitic infestations. Catty D, et al. **Monogr Allergy** 1986;19:144–55
Immunity to malaria and naturally acquired antibodies to the circumsporozoite protein of Plasmodium falciparum [letter] Lupski JR. **N Engl J Med** 1987 Feb 12;316(7):415
Multiple cross–reactivities amongst antigens of Plasmodium falciparum impair the development of protective immunity against malaria. Anders RF. **Parasite Immunol** 1986 Nov; 8(6):529–39
Cellular mechanisms involved in recovery from acute malaria in Gambian children. Brown J, et al. **Parasite Immunol** 1986 Nov;8(6):551–64
Target antigens of malaria transmission blocking immunity exist as a stable membrane bound complex. Kumar N. **Parasite Immunol** 1987 May;9(3):321–35
The production of reactive oxygen species in mice infected or immunized with Plasmodium berghei. Li M, et al. **Parasite Immunol** 1987 May;9(3):293–304
Antigenic variation in Plasmodium chabaudi: analysis of parent and variant populations by cloning. McLean SA, et al. **Parasite Immunol** 1986 Sep;8(5):415–24
Depression of virus–specific cytotoxic T–cell responses during murine malaria. Nickell SP, et al. **Parasite Immunol** 1987 Mar;9(2):161–74
Kinetic constraints on the development of a malaria vaccine. Saul A. **Parasite Immunol** 1987 Jan;9(1):1–9
Host immune response and pathological expression in malaria: possible implications for malaria vaccines. Grau GE, et al. **Parasitology** 1987;94 Suppl:S123–37 (79 ref.)
Merozoite surface coat precursor protein completely protects Aotus monkeys against Plasmodium falciparum malaria. Siddiqui WA, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):3014–8
Effects of Mycobacterium bovis BCG, bacterial lipopolysaccharide and hydrocortisone on the development of immunity to Plasmodium berghei. Ferraroni JJ, et al. **Rev Inst Med Trop Sao Paulo** 1986 Jan–Feb;28(1):36–45
Parasitized erythrocyte antigens and thrombospondin adhesion in the immunology and pathogenesis of falciparum malaria. Sherwood JA, et al. **Trans Assoc Am Physicians** 1986;99:206–13
Opsonizing and agglutinating antibodies against Plasmodium falciparum schizont–infected erythrocytes in Gambian sera. Abdalla SH. **Trans R Soc Trop Med Hyg** 1987;81(2):214–8
Malaria and ELISA HTLV–III antibody reactivity [letter] Facer CA, et al. **Trans R Soc Trop Med Hyg** 1986; 80(2):351–2
Low parasite specific T cell response in clinically immune individuals with low grade Plasmodium falciparum parasitaemia [letter] Theander TG, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):1000–1
Immunoregulatory alterations in Plasmodium falciparum and Plasmodium vivax infections. Merino F, et al. **Trop Med Parasitol** 1986 Sep;37(3):241–4
Studies of murine malaria antigens using monoclonal antibodies. Production, selection, and characterization of antibodies. Holmquist G, et al. **Z Parasitenkd** 1986; 72(5):599–607
[Detection of malarial antibody level by indirect fluorescent antibody test in an endemic area of Anhui] Han F, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(1):18–20 (Eng. Abstr.) **(Chi)**
[Spleen cell antibody–dependent cell–mediated cytotoxicity (ADCC) in mice infected with Plasmodium yoelii yoelii] Wang RB, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(3):165–8 (Eng. Abstr.) **(Chi)**
[Analysis of target antigens of Plasmodium falciparum with human immune sera] Zhou ZH, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(3):173–6 (Eng. Abstr.) **(Chi)**
[Effects of artemether on red blood cell immunity in malaria] Li XY, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Sep; 7(5):471–5 (Eng. Abstr.) **(Chi)**
[Phagocytosis of a merozoite in a blood smear from a patient with Plasmodium vivax malaria] Le Fichoux Y, et al. **Bull Soc Pathol Exot Filiales** 1986;79(3):350–1 **(Fre)**
[Application of the ELISA method in the detection of malaria antibodies in blood donors] Olaya de Morales P, et al. **Bol Of Sanit Panam** 1986 Oct;101(4):348–54 (Eng. Abstr.) **(Spa)**

METABOLISM

Decreased hepatic elimination of pyrimethamine during malaria infection. Studies in the isolated perfused rat liver. Mihaly GW, et al. **Biochem Pharmacol** 1987 Sep 1; 36(17):2827–9
The effect of malaria infection on primaquine elimination in the isolated perfused rat liver. Mihaly GW, et al. **Biochem Pharmacol** 1987 Jan 15;36(2):225–8
Studies of mefloquine bioavailability and kinetics using a stable isotope technique: a comparison of Thai patients with falciparum malaria and healthy caucasian volunteers. Looareesuwan S, et al. **Br J Clin Pharmacol** 1987 Jul; 24(1):37–42
Changes in oxidative burst capacity during murine malaria and the effect of vaccination. Dockrell HM, et al. **Clin Exp Immunol** 1986 Oct;66(1):37–43
Characteristics of membrane protein phosphorylation in Plasmodium berghei–infected mouse erythrocytes. Chaimanee P, et al. **J Protozool** 1986 Nov;33(4):446–54
Generation of reactive oxygen radicals by human phagocytic cells activated by Plasmodium falciparum. Kharazmi A, et al. **Scand J Immunol** 1987 Apr;25(4):335–41

MORTALITY

Prognostic value of CSF lactate in cerebral malaria [letter] White NJ, et al. **Lancet** 1987 May 30;1(8544):1261

OCCURRENCE

Parasitological and serological surveys for malaria among the inhabitants of an aborigine village and an adjacent Malay village. Mak JW, et al. **Acta Trop (Basel)** 1987 Mar; 44(1):83–9
Socio–economic aspects of malaria in India—a literature review. Hiramani AB, et al. **Afr J Med Med Sci** 1986 Sep–Oct;15(3–4):113–7
Assessment of the incidence and prevalence of clinical malaria in semi–immune children exposed to intense and perennial transmission. Trape JF, et al. **Am J Epidemiol** 1987 Aug;126(2):193–201
The population genetics of alpha–thalassemia and the malaria hypothesis. Hill AV. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:489–98
Communicable disease report. January to March 1986. PHLS Communicable Disease Surveillance Centre and the Communicable Disease (Scotland) Unit. **Community Med** 1986 Nov;8(4):351–5
Oral contraceptive use and the risk of malaria. Mati JK, et al. **East Afr Med J** 1986 Jun;63(6):382–8
Malaria parasitaemia at delivery in Nigerians. Nnatu S, et al. **East Afr Med J** 1987 Jan;64(1):44–8
Malaria in primary school children in Juba, southern Sudan. Taha TE, et al. **East Afr Med J** 1986 Aug;63(8):546–9
Malaria in Kampuchea: clinical course of falciparum malaria in Chemin de Fer Hospital, Phnom Penh. Bouth DM, et al. **Folia Parasitol (Praha)** 1987;34(1):11–8
Malaria situation in Meerut district villages (U.P.). Ansari MA, et al. **Indian J Malariol** 1986 Dec;23(2):147–50
Feasibility of IHA and ELISA in seroepidemiology of malaria. Kumar R, et al. **Indian J Malariol** 1986 Dec; 23(2):75–80
Distribution of malarial parasites in eastern Bihar [letter] Singh T. **Indian J Pediatr** 1986 Jan–Feb;53(1):128
Malaria parasitemia in healthy Africans in North Mara, Tanzania. Imperato PJ. **J Community Health** 1986 Summer; 11(2):92–7
A seroparasitological study of some latent parasitic infections among pilgrims 1405H (1985G). Ghaznawi HT, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):413–25
Malaria in El–Taif, Saudi Arabia. el Sebai MM, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):373–5
Malaria in Papua New Guinea. Implications for the British Army. Henderson A. **J R Army Med Corps** 1987 Jun; 133(2):89–91
Malaria in Papua New Guinea. Time to reflect [letter] Richardson JC. **J R Army Med Corps** 1986 Oct; 132(3):177–8
Vivax and falciparum malaria seen at an Indian service hospital. Gopinathan VP, et al. **J Trop Med Hyg** 1986 Apr; 89(2):51–5
Quantitative assessment of malaria morbidity based on longitudinal data in 10 Indian villages. Verma BL, et al. **J Trop Med Hyg** 1986 Apr;89(2):57–60
Leads from the MMWR. Plasmodium vivax malaria—San Diego County, California, 1986. **JAMA** 1986 Dec 12; 256(22):3076, 3079–80
Appearance of chloroquine–resistant falciparum malaria in Swaziland [letter] Raviglione MC. **Lancet** 1987 Jul 4; 2(8549):44–5
Malarial outbreak in Queensland [letter] Musgrave IA. **Med J Aust** 1987 Mar 2;146(5):278
Plasmodium vivax malaria—San Diego County, California, 1986. **MMWR** 1986 Oct 31;35(43):679–81
NASA mosquito watch threatened [news] Ezzell C. **Nature** 1987 Jan 15–21;325(6101):187
Epidemic malaria in the hyperendemic North Fly region of Western Province, Papua New Guinea. Schuurkamp GJ. **Papua New Guinea Med J** 1987 Mar;30(1):39–44
The significance of the imported P. vivax in the epidemiological context in Moldavia (Romania). Marinov R, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan–Mar; 90(1):73–6
The risk of contracting malaria [letter] Newman EA. **S Afr Med J** 1987 Jul 18;72(2):157
Social, behavioural, housing factors and their interactive effects associated with malaria occurrence in east Thailand. Butraporn P, et al. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):386–92
Social and economic aspects of malaria in Singapore. Goh KT. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):346–52
Malaria in Southeast Asia. Kondrashin AV. **Southeast Asian J Trop Med Public Health** 1986 Dec; 17(4):642–55
Malaria and glucose–6–phosphate dehydrogenase deficiency in North Sumatra, Indonesia. Matsuoka H, et al. **Southeast Asian J Trop Med Public Health** 1986 Dec; 17(4):530–6
Cross–sectional seroepidemiological survey of malaria in

endemic areas with different activities of malaria control. Tharavanij S, et al. **Southeast Asian J Trop Med Public Health** 1986 Dec; 17(4):524–9

Epidemiology of imported malaria in a hospital in Milan, Italy. Esposito R, et al. **Trans R Soc Trop Med Hyg** 1986; 80(6):877–8

Malaria morbidity in West Africa [letter] Miller MJ. **Trans R Soc Trop Med Hyg** 1986;80(2):347–8

A case of falciparum malaria acquired in Italy. Rosci MA, et al. **Trop Geogr Med** 1987 Jan;39(1):77–9

World malaria situation 1985. Malaria Action Programme World Health Organization, Geneva. **World Health Stat Q** 1987;40(2):142–70 **(Eng, Fre)**

[The malaria situation in China, 1985. Malaria Commission, Committee of Medical Sciences] **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(4):241–3 (Eng. Abstr.) **(Chi)**

[A longitudinal survey of malaria by using the indirect fluorescent antibody test (IFAT)] Huang WZ. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Aug; 7(4):212–5 (Eng. Abstr.) **(Chi)**

[Analysis of the epidemic characteristics of falciparum malaria in South Henan] Huang ZS. **Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1987;5(1):18–21 (Eng. Abstr.) **(Chi)**

[Status of malarial endemic in Nosy–Be in February, 1984] Le Bras J, et al. **Arch Inst Pasteur Madagascar** 1986; 52(1):69–71 **(Fre)**

[Malaria in Vanuatu. Recent epidemiological data] Bastien P, et al. **Bull Soc Pathol Exot Filiales** 1986;79(4):476–89 (Eng. Abstr.) **(Fre)**

[Urban and rural malaria in Niger. The case of the Department of Maradi] Le Bras M, et al. **Bull Soc Pathol Exot Filiales** 1986;79(5 Pt 2):695–706 (Eng. Abstr.) **(Fre)**

[Evaluation of the clinical, parasitological and immunological indices of malaria in the Bonny's Bay area of Central Africa] Merlin M, et al. **Bull Soc Pathol Exot Filiales** 1986; 79(5 Pt 2):707–20 (Eng. Abstr.) **(Fre)**

[Malaria and pregnancy. Comparative study of Central Africa and Western Africa] Zinsou RD, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(4):485–8 (Eng. Abstr.) **(Fre)**

[Epidemiological peculiarities of pernicious attacks by Plasmodium falciparum in the context of a malaria epidemic. Vanuatu, 1975–1985] Bastien P. **Med Trop (Mars)** 1987 Apr–Jun;47(2):125–31 (Eng. Abstr.) **(Fre)**

[Tropical diseases and the Belgian practitioner. The case of malaria] Eyckmans L. **Rev Med Liege** 1987 Jan 15; 42(2):71–4 **(Fre)**

[Malaria in Polish sailors 1983] Tomaszunas S. **Przegl Epidemiol** 1986;40(4):403–7 (Eng. Abstr.) **(Pol)**

[A focus on malaria in the State of São Paulo (Brazil)] de Andrade JC, et al. **Rev Saude Publica** 1986 Aug;20(4):323–6 (Eng. Abstr.) **(Por)**

[Internal migrations and urban malaria—Bahia, Brazil] de Souza SL, et al. **Rev Saude Publica** 1986 Oct;20(5):347–51 (Eng. Abstr.) **(Por)**

PARASITOLOGY

Intra erythrocytic differentiation of Plasmodium berghei [published erratum appears in Acta Leiden 1986;54:preceding 1] Mons B. **Acta Leiden** 1986;54:1–124

In vitro and in vivo adaptation of the Geneve/SGE–1 strain of Plasmodium falciparum to growth in a squirrel monkey (Saimiri sciureus) model. Fajfar–Whetstone CJ, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):221–7

Compatibility of relapse patterns of Plasmodium cynomolgi infections in rhesus monkeys with continuous cyclical development and hypnozoite concepts of relapse. Schmidt LH. **Am J Trop Med Hyg** 1986 Nov;35(6):1077–99

Invasion of erythrocytes by malaria parasites: a cellular and molecular overview. Hadley TJ. **Annu Rev Microbiol** 1986; 40:451–77 (135 ref.)

Occurrence of exoerythrocytic schizonts in the liver, adrenal glands and endocardium of mice infected with erythrocytic stages of Plasmodium berghei. Prunescu CC, et al. **Arch Roum Pathol Exp Microbiol** 1986 Apr–Jun; 45(2):153–60

Characterisation of the host response to Plasmodium falciparum infection. I. Cerebral malaria. Cowen NL, et al. **Aust NZ J Med** 1986 Jun;16(3):360–4

Secretion of a malarial histidine–rich protein (Pf HRP II) from Plasmodium falciparum–infected erythrocytes. Howard RJ, et al. **J Cell Biol** 1986 Oct;103(4):1269–77

Effect of dosage and route of inoculation on parasitaemia in white rats and guinea pigs to Plasmodium berghei infection. el–Matarawy OM, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):93–6

The course of Plasmodium berghei infection in mice subjected to variable dosages of the parasite and the peak parasitaemia obtained accordingly. Omar SH, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):757–61

Chloroquine and Fansidar prophylaxis—a reply [letter] McMeeking AA. **J Infect Dis** 1987 Jun;155(6):1351

Infection of Aotus azarae boliviensis monkeys with different strains of Plasmodium falciparum. Collins WE, et al. **J Parasitol** 1986 Aug;72(4):525–30

Isolation and characterization of parasites and host cell ghosts from erythrocytes infected with Plasmodium chabaudi. Wunderlich F, et al. **Mol Biochem Parasitol** 1987 Mar; 23(2):103–15

Case 29–1986: DF–2 bacteremia [letter] Mainzer E. **N Engl J Med** 1987 Jan 8;316(2):113–4

A fluorometric sensitivity test for chloroquine in Plasmodium falciparum isolates from patients. Waki S, et al. **Parasitol Res** 1987;73(4):303–5

High level of chloroquine resistance in seven Plasmodium falciparum malaria cases from the Congo and Gabon. Brandicourt O, et al. **Trans R Soc Trop Med Hyg** 1986; 80(6):906–7

Plasmodium falciparum malaria in an asplenic man. Israeli A, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):233–4

The biology of malaria parasites. Report of a WHO Scientific Group. **WHO Tech Rep Ser** 1987;743:1–229

[Preliminary study on the production of high gametocytaemia of Plasmodium chabaudi in the rat] Liu D. **Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1987;5(1):55–7 (Eng. Abstr.) **(Chi)**

[Malaria: the end of a multimillenia reign?] Meuris S, et al. **Pathol Biol (Paris)** 1986 Sep;34(7):886–92 (85 ref.) (Eng. Abstr.) **(Fre)**

[Plasmodium falciparum malaria attacks with low or negative parasitemia on returning from areas of endemic resistance to 4–aminoquinolines] Sansonetti PJ, et al. **Presse Med** 1986 Jul 5–12;15(27):1264–6 (Eng. Abstr.) **(Fre)**

[Experimental malaria: contamination of strains and experimental animals by Eperythrozoon coccoides] de Andrade Júnior HF, et al. **Rev Inst Med Trop Sao Paulo** 1986 Jul–Aug;28(4):246–52 (Eng. Abstr.) **(Por)**

[In vivo and in vitro study of the sensitivity of imported strains of Plasmodium falciparum to antimalarial preparations] Glazunova ZI, et al. **Med Parazitol (Mosk)** 1986 Nov–Dec;(6):42–5 (Eng. Abstr.) **(Rus)**

[Production of an attenuated strain of P. berghei by secondary passages through mice receiving vitamin E] Sergacheva IuIu, et al. **Med Parazitol (Mosk)** 1986 Nov–Dec;(6):45–8 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Peripheral vascular pathophysiology of Plasmodium berghei infection: a comparative study in the cheek pouch and brain of the golden hamster. Franz DR, et al. **Am J Trop Med Hyg** 1987 May;36(3):474–80

Pathologic changes associated with fatal Plasmodium falciparum infection in the Bolivian squirrel monkey (Saimiri sciureus boliviensis). Whiteley HE, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):1–8

Increased production of arachidonate metabolites by peritoneal cells of mice infected with Plasmodium vinckei vinckei. Clark IA, et al. **Aust J Exp Biol Med Sci** 1986 Oct;64 (Pt 5):415–8

Selectivity properties of pores induced in host erythrocyte membrane by Plasmodium falciparum. Effect of parasite maturation. Ginsburg H, et al. **Biochim Biophys Acta** 1986 Sep 25;861(1):194–6

Murine malaria decreases hemopoietic stem cells. Silverman PH, et al. **Blood** 1987 Feb;69(2):408–13

The bone marrow in human cerebral malaria: parasite sequestration within sinusoids. Wickramasinghe SN, et al. **Br J Haematol** 1987 Jul;66(3):295–306

Cerebral malaria—a clinicopathological study. Gopinathan VP, et al. **J Assoc Physicians India** 1986 Jul;34(7):473–5

Human cerebral malaria: a pathological study. Oo MM, et al. **J Neuropathol Exp Neurol** 1987 Mar;46(2):223–31

[Experimental study on the effect of Plasmodia on the erythroid colony forming unit (CFU–E)] Zhang YH. **Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1987;5(1):42–4 (Eng. Abstr.) **(Chi)**

PHYSIOPATHOLOGY

Increased phagocytosis of Plasmodium falciparum–infected erythrocytes with haemoglobin E by peripheral blood monocytes. Bunyaratvej A, et al. **Acta Haematol (Basel)** 1986;76(2–3):155–8

Function of the blood–cerebrospinal fluid barrier in human cerebral malaria: rejection of the permeability hypothesis. Warrell DA, et al. **Am J Trop Med Hyg** 1986 Sep; 35(5):882–9

Studies on the transcapillary escape rate of albumin and capillary permeability in rhesus monkeys infected with Plasmodium knowlesi. Areekul S. **Ann Trop Med Parasitol** 1986 Aug;80(4):391–8

Influence of malarial infection on the maternal–foetal relationship in pregnant mice. Vinayak VK, et al. **Aust J Exp Biol Med Sci** 1986 Jun;64 (Pt 3):223–7

Cytoplasmic factor required for entry of malaria parasites into RBCs. Rangachari K, et al. **Blood** 1987 Jul;70(1):77–82

Progressive changes in the liver function of monkeys following Plasmodium knowlesi infection. Khanna R, et al. **Indian J Malariol** 1986 Jun;23(1):43–8

Dynamic alteration in splenic function during acute falciparum malaria. Looareesuwan S, et al. **N Engl J Med** 1987 Sep 10;317(11):675–9

Pathophysiology of hypoxia in mice infected with Plasmodium berghei. Hioki A, et al. **Parasitol Res** 1987; 73(4):298–302

Pathophysiology of severe falciparum malaria in man. Warrell DA. **Parasitology** 1987;94 Suppl:S53–76 (153 ref.)

Tumor necrosis factor (cachectin) as an essential mediator in murine cerebral malaria. Grau GE, et al. **Science** 1987 Sep 4;237(4819):1210–2

[Anemic Plasmodium ovale malaria after 45 months' incubation (letter)] Marty P, et al. **Presse Med** 1987 Feb 28;16(7):357 **(Fre)**

PREVENTION & CONTROL

Use of pyrimethamine–sulfadoxine (Fansidar) in prophylaxis against chloroquine–resistant Plasmodium falciparum and Pneumocystis carinii. Pearson RD, et al. **Ann Intern Med** 1987 May;106(5):714–8 (40 ref.)

Experiences with malaria chemoprophylaxis. Várnai F, et al. **Ann Trop Med Parasitol** 1986 Jun;80(3):279–83

Malaria and its control: present situation and future prospects. Bruce–Chwatt LJ. **Annu Rev Public Health** 1987;8:75–110 (70 ref.)

Malaria and other 'tropical' hazards [editorial] Cook I. **Aust Fam Physician** 1987 Feb;16(2):87

Failure of chloroquine malaria prophylaxis in pregnancy. Mola GL, et al. **Aust NZ J Obstet Gynaecol** 1987 Feb; 27(1):24–6

Short odds for malaria vaccines. Mitchell GF. **Bioessays** 1985 Sep;3(3):126–7

Chloroquine excretion following malaria prophylaxis. Gustafsson LL, et al. **Br J Clin Pharmacol** 1987 Aug; 24(2):221–4

Chloroquine administration for malaria suppression after abdominal surgery. Schweizer W, et al. **Br J Surg** 1987 Feb;74(2):140–1

Malaria prophylaxis: survey of the response of British travellers to prophylactic advice. Phillips–Howard PA, et al. **Br Med J [Clin Res]** 1986 Oct 11;293(6552):932–4

Malaria control in the Americas: a critical analysis. **Bull Pan Am Health Organ** 1986;20(3):304–20

ELISA tests for dapsone and pyrimethamine and their application in a malaria chemoprophylaxis programme. Greenwood BM, et al. **Bull WHO** 1986;64(6):909–16

Severe falciparum malaria. Philpott J, et al. **Can Med Assoc J** 1987 Jul 15;137(2):135–6

Expatriate attitudes toward malaria prophylaxis in Zambia. Rolfe M. **Cent Afr J Med** 1986 Jun;32(6):148–51

Integrated approach to malaria control emphasizing reduction of man–mosquito contact. Liu YL, et al. **Chin Med J [Engl]** 1986 Nov;99(11):879–84

Recombinant gamma interferon is a potent adjuvant for a malaria vaccine in mice. Playfair JH, et al. **Clin Exp Immunol** 1987 Jan;67(1):5–10

Village scale trial of the impact of deltamethrin (K–othrine) spraying in areas with DDT and HCH resistant Anopheles culicifacies. Ansari MA, et al. **Indian J Malariol** 1986 Dec; 23(2):127–31

Bio–environmental control of malaria in Nadiad, Kheda district, Gujarat. Sharma VP, et al. **Indian J Malariol** 1986 Dec;23(2):95–117

Cost effectiveness of the bio–environmental control of malaria in Kheda district, Gujarat. Sharma VP, et al. **Indian J Malariol** 1986 Dec;23(2):141–5

Impact of malathion thermal fogging on mosquito populations in Delhi and its place in malaria control. Sharma VP, et al. **Indian J Malariol** 1986 Jun;23(1):65–7

Phosphatidylcholine liposomes as effective adjuvant for vaccination of mice against Plasmodium yoelii. Vinayak VK, et al. **Indian J Med Res** 1986 Jul;84:32–8

Malaria, agriculture, and development: lessons from past campaigns. Kitron U. **Int J Health Serv** 1987;17(2):295–326

Prospects for malaria control. Carnevale P, et al. **Int J Parasitol** 1987 Feb;17(1):181–7 (21 ref.)

Malaria—any hopes? Joshi VR, et al. **J Assoc Physicians India** 1987 Mar;35(3):181–2

A field evaluation of pirimiphos methyl for control of malaria in Tirap district, Arunachal Pradesh, India. Das M, et al. **J Commun Dis** 1986 Sep;18(3):157–77

Zooprophylaxis as a useful tool for control of A. aconitus transmitted malaria in Central Java, Indonesia. Kirnowordoyo S, et al. **J Commun Dis** 1986 Jun;18(2):90–4

Expression in yeast of a Plasmodium vivax antigen of potential use in a human malaria vaccine. Barr PJ, et al. **J Exp Med** 1987 Apr 1;165(4):1160–71

Efficacy of malaria prophylaxis in American and Swiss travelers to Kenya. Lobel HO, et al. **J Infect Dis** 1987 Jun;155(6):1205–9

Proguanil for malaria prophylaxis? [letter] Siboni K. **J Infect Dis** 1987 Jul;156(1):247–8

Malaria control in Tanzania. Mbwette TS. **J R Soc Health** 1987 Apr;107(2):58–9

Erythrocytic glucose–6–phosphate dehydrogenase deficiency and its significance with special emphasis on malaria. Wong HB. **J Singapore Paediatr Soc** 1986;28(1–2):35–44

Gambian cultural preferences in the use of insecticide–impregnated bed nets. MacCormack CP, et al. **J Trop Med Hyg** 1986 Dec;89(6):295–302

Leads from the MMWR. Chloroquine–resistant Plasmodium falciparum malaria in West Africa. **JAMA** 1987 May 15; 257(19):2556, 2559

Use of prophylaxis for malaria by American travelers to Africa and Haiti. Lobel HO, et al. **JAMA** 1987 May 15; 257(19):2626–7

Doxycycline prophylaxis in malaria [letter] **Lancet** 1987 Jun 27;1(8548):1487

Misuse of mefloquine for malaria prophylaxis in Zimbabwe [letter] Baily GG. **Lancet** 1987 Jan 3;1(8523):53

Safety and efficacy of a recombinant DNA Plasmodium falciparum sporozoite vaccine. Ballou WR, et al. **Lancet** 1987 Jun 6;1(8545):1277–81

The challenge of malaria vaccine: trials and tribulations. Bruce-Chwatt LJ. **Lancet** 1987 Feb 14;1(8529):371–3

Bed-nets and malaria suppression [letter] Campbell H, et al. **Lancet** 1987 Apr 11;1(8537):859–60

Chlorproguanil chemoprophylaxis for falciparum malaria in Kenya [letter] O'Neil AB, et al. **Lancet** 1987 Mar 7; 1(8532):572

Doxycycline prophylaxis for falciparum malaria. Pang LW, et al. **Lancet** 1987 May 23;1(8543):1161–4

Tetracycline prophylaxis for malaria [letter] Rieckmann KH. **Lancet** 1987 Aug 29;2(8557):507–8

Mass proguanil prophylaxis [letter] Saarinen M, et al. **Lancet** 1987 Apr 25;1(8539):985–6

Bed-nets and protection against malaria [letter] Snow RW. **Lancet** 1987 Jun 27;1(8548):1493–4

Inadequacy of chlorproguanil 20 mg per week as chemoprophylaxis for falciparum malaria in Kenya. Watkins WM, et al. **Lancet** 1987 Jan 17;1(8525):125–8

Combination treatment for falciparum prophylaxis [letter] [published erratum appears in Lancet 1987 Apr 25;1(8539):994] White NJ. **Lancet** 1987 Mar 21; 1(8534):680–1

Chloroquine for donated blood? [letter] White NJ. **Lancet** 1987 Jan 10;1(8524):100–1

Induction of protective immunity to malaria. Anders RF, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:245–53

Malarial prophylaxis with chloroquine/proguanil [letter] Cook IF. **Med J Aust** 1987 Jan 19;146(2):120

Advice for travelers. **Med Lett Drugs Ther** 1987 Jun 5; 29(741):53–6

On-line tropical epidemiology--a case-study from The Gambia. Rowan KM, et al. **Methods Inf Med** 1987 Apr; 26(2):73–6

Chloroquine-resistant Plasmodium falciparum malaria in West Africa. **MMWR** 1987 Jan 23;36(2):13–4

Safety and immunogenicity in man of a synthetic peptide malaria vaccine against Plasmodium falciparum sporozoites. Herrington DA, et al. **Nature** 1987 Jul 16–22; 328(6127):257–9

Induction of protective immunity against experimental infection with malaria using synthetic peptides. Patarroyo ME, et al. **Nature** 1987 Aug 13–19;328(6131):629–32

Malaria vaccines. Are they approaching reality? [news] Perlmann P. **Nature** 1987 Jul 16–22;328(6127):205–6

Malaria chemoprophylaxis: an update. Biddulph J. **Papua New Guinea Med J** 1987 Mar;30(1):53–6 (20 ref.)

Malaria control and the development of the Ok Tedi mining project in the Star Mountains of Papua New Guinea: the initial construction phase. Schuurkamp GJ, et al. **Papua New Guinea Med J** 1987 Mar;30(1):27–38

Vaccination of mice against malaria with soluble antigens. I. The effect of detergent, route of injection, and adjuvant. Playfair JH, et al. **Parasite Immunol** 1986 Sep;8(5):409–14

Malaria--yesterday, today, and tomorrow. Brown GV, et al. **Perspect Biol Med** 1986 Autumn;30(1):65–76

The control of malaria with special reference to the contributions made by the staff of the South African Institute for Medical Research. de Meillon B. **S Afr Med J** 1986 Oct 11;Suppl:67–9

When not to use the antimalarial drug mefloquine [letter] Markus MB. **S Afr Med J** 1987 Jul 18;72(2):157

Efficacy of murine malaria sporozoite vaccines: implications for human vaccine development. Egan JE, et al. **Science** 1987 Apr 24;236(4800):453–6

Naturally acquired antibodies to sporozoites do not prevent malaria: vaccine development implications. Hoffman SL, et al. **Science** 1987 Aug 7;237(4815):639–42

Research toward malaria vaccines. Miller LH, et al. **Science** 1986 Dec 12;234(4782):1349–56

Human trials of malaria vaccine [letter] Nussenweig RS. **Science** 1987 May 15;236(4803):763

Human trials begin for malaria vaccine [news] Walsh J. **Science** 1987 Mar 13;235(4794):1319–20

Health behavior, treatment-seeking patterns, and cost of treatment for patients visiting malaria clinics in western Thailand. Fungladda W, et al. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):379–85

The need for health behaviour and socio-economic research in malaria control in Thailand. Harinasuta C. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):475–8

Cost and performance of malaria surveillance: the patients' perspectives. Kaewsonthi S, et al. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):406–12

Culture, environment and people's perceptions: considerations in malaria control in the Philippines. Lariosa TR. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):360–70

Cost-effectiveness research in malaria control and the need for health behaviour and socio-economic research in malaria control in Thailand. Prasittisuk C, et al. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):393–5

The implementation of community participation in the control of malaria in rural Tanjung Pinang, Indonesia. Pribadi W, et al. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):371–8

Effect of supplementary vitamins and iron on malaria indices in rural Gambian children. Bates CJ, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):286–91

alpha-Difluoromethylornithine induces protective immunity in mice inoculated with Plasmodium berghei sporozoites. Gillet J, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):236–9

Personal antimosquito measures plus proguanil for malaria prophylaxis in southern Malaysia. Henderson A, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):981–2

Failure of malaria chemoprophylaxis with a proguanil-chloroquine combination in Papua New Guinea. Henderson A, et al. **Trans R Soc Trop Med Hyg** 1986; 80(5):838–40

Effect of iron prophylaxis on morbidity due to infectious disease: report on clinical studies in Papua New Guinea. Oppenheimer SJ, et al. **Trans R Soc Trop Med Hyg** 1986; 80(4):596–602

Iron supplementation increases prevalence and effects of malaria: report on clinical studies in Papua New Guinea. Oppenheimer SJ, et al. **Trans R Soc Trop Med Hyg** 1986; 80(4):603–12

A field trial of microencapsulated deltamethrin, a synthetic pyrethroid, for malaria control. Taylor P, et al. **Trans R Soc Trop Med Hyg** 1986;80(4):537–45

The effect of dapsone-pyrimethamine on immunoglobulin concentrations in malaria chemoprophylaxis. Ti TY, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):245–6

How to prevent malaria [editorial] Peters W. **Trop Doct** 1987 Jan;17(1):1–3

WHO Expert Committee on Malaria. Eighteenth report. **WHO Tech Rep Ser** 1986;735:1–104

[Integrated approach in malaria control including environmental management to reduce man-mosquito contact and the reduction of infection source in Huanghuai Plain] Liu YL, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(4):246–50 (Eng. Abstr.) **(Chi)**

[Studies of the pattern of incidence of malaria & the measures for management and surveillance in the post-eradication project for malaria] Liang RH. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Dec; 7(6):332–4 (Eng. Abstr.) **(Chi)**

[Malaria prevention in Zanzibar] Jacobsen EA. **Ugeskr Laeger** 1987 Jun 8;149(24):1647–8 **(Dan)**

[Tropical malaria is no longer simple to prevent] van der Kaay HJ, et al. **Ned Tijdschr Geneeskd** 1987 May 9; 131(19):805–8 **(Dut)**

[Post-transfusion malaria. Partial statistical data. Preventive approach to detecting blood donors at risk] Saleun JP, et al. **Ann Parasitol Hum Comp** 1987;62(1):9–16 (Eng. Abstr.) **(Fre)**

[Campaigns for the eradication of malaria in Tunisia: history and current situation] Chadli A, et al. **Arch Inst Pasteur Tunis** 1986 Mar;63(1):35–50 (Eng. Abstr.) **(Fre)**

[The campaign against malaria 150 years after Laveran] Bruce-Chwatt LJ. **Bull Mem Acad R Med Belg** 1985; 140(12):450–9 (Eng. Abstr.) **(Fre)**

[Chloroquine retinopathy and malaria prevention] Verin P, et al. **Bull Soc Ophtalmol Fr** 1986 Aug-Sep;86(8–9):975–9 **(Fre)**

[Value of radical treatment of Plasmodium falciparum infection on return from a zone of endemic malaria (letter)] Baudon D, et al. **Presse Med** 1987 Apr 4;16(12):586 **(Fre)**

[Prevention and treatment of malaria in 1986] Wéry M. **Rev Med Liege** 1987 Jul 1–15;42(13–14):655–60 **(Fre)**

[Prevention of recurrence of the Chesson strain of Plasmodium vivax malaria (letter)] von Laer G, et al. **Dtsch Med Wochenschr** 1986 Oct 31;111(44):1701–2 **(Ger)**

[Status and prognosis of chemoprevention of malaria] Clement I, et al. **Z Gesamte Hyg** 1987 Mar;33(3):127–9 (Eng. Abstr.) **(Ger)**

[Mathematical assessment of the level of protection of the population against malaria by seasonal chemoprophylaxis] Losev GI. **Med Parazitol (Mosk)** 1986 Jul-Aug;(4):21–5 (Eng. Abstr.) **(Rus)**

[Main results of carrying out the branch program to develop and put into practice the scientific bases for the complete and permanent elimination of malaria in the USSR] Orlov VS, et al. **Med Parazitol (Mosk)** 1986 Sep-Oct;(5):3–7 **(Rus)**

[Problems related to the mass administration of drugs for the prevention and control of infectious diseases--ethical dilemmas] Lepeš T. **Med Pregl** 1986;39(11–12):531–5 **(Scr)**

PSYCHOLOGY

Human behavior and malaria. Hongvivatana T. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):353–9

RADIOGRAPHY

[Pulmonary manifestations of malaria] Rauber K, et al. **ROFO** 1987 May;146(5):507–10 (Eng. Abstr.) **(Ger)**

THERAPY

Acute pulmonary oedema (toxic alveolitis) associated with traditional fever therapy. Jarikre LN, et al. **East Afr Med J** 1986 Oct;63(10):656–9

A clinical and experimental study of acupuncture treatment of tertian malaria. Xiao SQ, et al. **J Tradit Chin Med** 1986 Jun;6(2):83–8

[Pernicious malaria attack. Rapidly favorable course after exchange blood transfusion (letter)] Manquat G, et al. **Presse Med** 1986 Nov 29;15(42):2118 **(Fre)**

[Exchange blood transfusion in cerebral tropical malaria (letter)] Schunkert H, et al. **Dtsch Med Wochenschr** 1986 Oct 10;111(41):1582 **(Ger)**

TRANSMISSION

Potential vectors of malaria and their different susceptibility to Plasmodium falciparum and Plasmodium vivax in northern Brazil identified by immunoassay. de Arruda M, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):873–81

Incrimination of Anopheles culicifacies as vector of malaria in Orissa. Nagpal BN, et al. **Indian J Malariol** 1986 Jun; 23(1):57–9

Impact of DDT and HCH spraying on malaria transmission in villages with DDT and HCH resistant Anopheles culicifacies. Sharma VP, et al. **Indian J Malariol** 1986 Jun; 23(1):27–38

Vector problem in malaria in West Bengal. Hati AK. **Indian J Public Health** 1986 Oct-Dec;30(4):201–6

The malaria threat to the Army in Hong Kong. Henderson A. **J R Army Med Corps** 1986 Oct;132(3):163–7

The changed pattern of malaria endemicity and transmission at Amani in the eastern Usambara mountains, north-eastern Tanzania. Matola YG, et al. **J Trop Med Hyg** 1987 Jun; 90(3):127–34

Influence of stagnation of water pathways on mosquito population density in connection with malaria transmission in the Solomon Islands. Paik YH. **Jpn J Exp Med** 1987 Feb;57(1):47–52

Falciparum malaria probably acquired from infected skin-cut [letter] Kociecka W, et al. **Lancet** 1987 Jul 25;2(8552):220

The effect of mosquito transmission of antigenic variants of Plasmodium chabaudi. McLean SA, et al. **Parasitology** 1987 Jun;94 (Pt 3):443–9

Unusual forms of malaria transmission. A report of 2 cases. Freedman AM. **S Afr Med J** 1987 Feb 7;71(3):183–4

Malaria on the Amazon frontier: economic and social aspects of transmission and control. Sawyer DR. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):342–5

Population movement, socio-economic behavior and the transmission of malaria in northern Thailand. Singhanetra-Renard A. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):396–405

Accidental and transfusion malaria in Italy [letter] Carosi G, et al. **Trans R Soc Trop Med Hyg** 1986;80(4):667–8

An outbreak of Plasmodium vivax malaria among heroin users in Spain. Gonzalez Garcia JJ, et al. **Trans R Soc Trop Med Hyg** 1986;80(4):549–52

Which are the appropriate modifications of existing regulations designed to prevent the transmission of malaria by blood transfusion, in view of the increasing frequency of travel to endemic areas? **Vox Sang** 1987;52(1–2):138–48

[Quantitative study on the role of Anopheles lesteri anthropophagus in malaria transmission] Liu CF, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(3):161–4 (Eng. Abstr.) **(Chi)**

[Malaria in a forest-savannah mosaic zone of Central Africa, Brazzaville region. I. Results of entomological studies] Trape JF, et al. **Bull Soc Pathol Exot Filiales** 1987; 80(1):84–99 (Eng. Abstr.) **(Fre)**

[Recommendation for standardized approaches toward blood donors carrying an infection transmissible by blood transfusion] Chassaigne M, et al. **Rev Fr Transfus Immunohematol** 1987 Feb;30(1):67–71 **(Fre)**

[Prevention of post-transfusional malaria] Deroff P, et al. **Rev Fr Transfus Immunohematol** 1986 Jun;29(3):175–82 (Eng. Abstr.) **(Fre)**

[Malaria caused by blood transfusion] Guraevskiĭ AP, et al. **Med Parazitol (Mosk)** 1987 Jan-Feb;(1):62–4 **(Rus)**

[Plasmodium falciparum malaria as a nosocomial infection] Navarro P, et al. **Bol Of Sanit Panam** 1987 May; 102(5):476–82 (Eng. Abstr.) **(Spa)**

[Airport malaria in Spain (letter)] Blázquez J. **Med Clin (Barc)** 1987 Jan 10;88(1):41 **(Spa)**

[5 cases of Plasmodium malariae infection following blood transfusion] Sellioğlu B. **Mikrobiyol Bul** 1986 Apr; 20(2):95–100 (Eng. Abstr.) **(Tur)**

VETERINARY

Transmission of Plasmodium simium to Aotus nancymai, A. vociferans, A. azarae boliviensis, and Saimiri sciureus boliviensis monkeys. Collins WE, et al. **J Parasitol** 1987 Jun;73(3):653–5

Infection of Aotus vociferans (karyotype V) monkeys with different strains of Plasmodium vivax. Collins WE, et al. **J Parasitol** 1987 Jun;73(3):536–40

[Malaria in Lemuridae] Rabetafika L, et al. **Arch Inst Pasteur Madagascar** 1986;52(1):85–100 **(Fre)**

MALARIA, AVIAN

METABOLISM

Effects of Plasmodium relictum on the metabolic rate and body temperature in canaries (Serinus canarius). Hayworth AM, et al. **J Parasitol** 1987 Aug;73(4):850–3

OCCURRENCE

Natural infection of Plasmodium hermani in the northern bobwhite, Colinus virginianus, in Florida. Forrester DJ, et al. **J Parasitol** 1987 Aug;73(4):865–6

MALASSEZIA

ANALYSIS

Scanning electron microscopy of Malassezia furfur attachment to Broviac catheters. Powell DA, et al. **Hum Pathol** 1987 Jul;18(7):740–5

DRUG EFFECTS

In vitro activity of systemic antifungal agents against Malassezia furfur. Marcon MJ, et al. **Antimicrob Agents Chemother** 1987 Jun;31(6):951–3

Sensitivities of Pityrosporum sp. to selected commercial shampoos. Butterfield W, et al. **Br J Dermatol** 1987 Feb; 116(2):233–5

Pityrosporum, ketoconazole, and seborrheic dermatitis [letter] Wishner AJ, et al. **J Am Acad Dermatol** 1987 Jul; 17(1):140–1

Effects of ketoconazole and itraconazole on growth and sterol synthesis in Pityrosporum ovale. Marichal P, et al. **J Med Vet Mycol** 1986 Dec;24(6):487–9

In vitro and in vivo ultrastructural changes in Pityrosporum orbiculare after treatment with econazole. Scherwitz C, et al. **Mykosen [Suppl]** 1978;1:328–38

Itraconazole in pityriasis versicolor: ultrastructural changes in Malassezia furfur produced during treatment. Galimberti RL, et al. **Rev Infect Dis** 1987 Jan–Feb;9 Suppl 1:S134–8

IMMUNOLOGY

Biological activity of Pityrosporum. II. Antitumor and immune stimulating effect of Pityrosporum in mice. Takahashi M, et al. **JNCI** 1986 Nov;77(5):1093–7

ISOLATION & PURIFICATION

Methods for optimal recovery of Malassezia furfur from blood culture. Marcon MJ, et al. **J Clin Microbiol** 1986 Nov;24(5):696–700

Malassezia furfur skin colonization of infants hospitalized in intensive care units. Powell DA, et al. **J Pediatr** 1987 Aug; 111(2):217–20

RADIATION EFFECTS

The effect of UV-light on human skin microorganisms. Faergemann J, et al. **Acta Derm Venereol (Stockh)** 1987; 67(1):69–72

ULTRASTRUCTURE

Scanning electron microscopy of Pityrosporum furfur. Dorn M, et al. **Mykosen [Suppl]** 1978;1:141–5

MALATE DEHYDROGENASE

Mitochondrial malate dehydrogenase and its precursor have different conformations. Chien SM, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):313–8

Crystallization of an NADP+-dependent malic enzyme from rat liver. Baker PJ, et al. **J Mol Biol** 1987 Jan 5;193(1):233–5

Solution structure of halophilic malate dehydrogenase from small-angle neutron and X-ray scattering and ultracentrifugation. Zaccai G, et al. **J Mol Biol** 1986 Jul 5;190(1):97–106

Denaturation of a halophilic enzyme monitored by small-angle neutron scattering. Zaccai G, et al. **J Mol Biol** 1986 Nov 5;192(1):155–7

ANALYSIS

Histochemical changes in rat sperm malate dehydrogenase activity during passage through epididymis. Matsuzawa T, et al. **Endocrinol Jpn** 1987 Apr;34(2):231–5

Characterization of Enterobacter cloacae and E. sakazakii by electrophoretic polymorphism of acid phosphatase, esterases, and glutamate, lactate and malate dehydrogenases. Goullet P, et al. **J Gen Microbiol** 1986 Nov;132 (Pt 11):3105–12

Electrophoretic comparison of the malic enzyme in Japanese mosquito (Diptera: Culicidae) larvae. Tsukamoto M, et al. **J Med Entomol** 1987 May;24(3):376–82

Detection of NAD+—malate dehydrogenase in human muscle. Giacanelli M, et al. **Muscle Nerve** 1986 Oct; 9(8):756–7

ANTAGONISTS & INHIBITORS

Effect of some anthelmintics on malate dehydrogenase activity and mortality in two avian nematodes Ascaridia galli and Heterakis gallinae. Sharma RK, et al. **Angew Parasitol** 1986 Aug;27(3):175–80

Inhibition of malic enzyme by S-oxalylglutathione, a probable in vivo effector. Harris RK, et al. **Biochemistry** 1987 Jan 13;26(1):1–5

Action of surfactants on porcine heart malate dehydrogenase isoenzymes and a simple method for the differential assay of these isoenzymes. Smith K, et al. **Biochim Biophys Acta** 1986 Oct 29;884(1):109–18

Inhibition of malate dehydrogenase enzymes by benzimidazole anthelmintics. Tejada P, et al. **Vet Parasitol** 1987 May;24(3–4):269–74

BIOSYNTHESIS

Changes in immunoreactive malic enzyme in liver and brown adipose tissue during development of the rat. Barton CH, et al. **J Dev Physiol** 1987 Jun;9(3):215–24

Absence of a generalized disaccharide effect in adult female rats. Lee VM, et al. **J Nutr** 1986 Aug;116(8):1555–60

Gender-linked differences in dietary induction of hepatic glucose-6 phosphate dehydrogenase, 6-phosphogluconate dehydrogenase and malic enzyme in the rat. Lee VM, et al. **J Nutr** 1986 Aug;116(8):1547–54

Dietary induction of hepatic glucose-6-phosphate dehydrogenase, 6-phosphogluconate dehydrogenase, and malic enzyme in lean and obese female Zucker rats. Lee VM, et al. **Proc Soc Exp Biol Med** 1987 Mar;184(3):278–84

BLOOD

Plasma clearance of mitochondrial aspartate aminotransferase in the rat: competition with mitochondrial malate dehydrogenase. Smit MJ, et al. **Biomed Biochim Acta** 1986; 45(11–12):1557–61

[Glucose utilization and activity of glucose-6-phosphate dehydrogenase, isocitrate dehydrogenase and malate dehydrogenase in rat erythrocytes after treatment with tuberculostatic agents] Storozhuk PG, et al. **Vopr Med Khim** 1986 Sep–Oct;32(5):32–5 (Eng. Abstr.) **(Rus)**

GENETICS

Regulation and structure of murine malic enzyme mRNA. Bagchi S, et al. **Ann NY Acad Sci** 1986;478:77–92 (56 ref.)

Regulation of genes for enzymes involved in fatty acid synthesis. Goodridge AG, et al. **Ann NY Acad Sci** 1986; 478:46–62 (29 ref.)

A gene modifying mitochondrial malate dehydrogenase isozymes in Sorghum (Gramineae). Doebley J, et al. **Biochem Genet** 1986 Dec;24(11–12):813–9

Cloning and sequence analysis of cDNAs encoding mammalian mitochondrial malate dehydrogenase. Joh T, et al. **Biochemistry** 1987 May 5;26(9):2515–20

Mitochondrial malic enzyme in human leukocytes. Siebert G, et al. **Hum Hered** 1987;37(2):122–3

Phytohemagglutinin-enhanced hybrid colony formation by cells from aged mice: expression of TH 4Mod-1 mouse locus in human–mouse hybrids [published erratum appears in In Vitro Cell Dev Biol 1987 Jul;23(7):526] West PG, et al. **In Vitro Cell Dev Biol** 1987 Mar;23(3):154–8

Glyoxysomal and mitochondrial malate dehydrogenase in watermelon cotyledons. Gietl C, et al. **Isozymes Curr Top Biol Med Res** 1987;16:175–92

Structure and expression of murine malic enzyme mRNA. Differentiation-dependent accumulation of two forms of malic enzyme mRNA in 3T3-L1 cells. Bagchi S, et al. **J Biol Chem** 1987 Feb 5;262(4):1558–65

Nucleotide sequence of the malate dehydrogenase gene of Thermus flavus and its mutation directing an increase in enzyme activity. Nishiyama M, et al. **J Biol Chem** 1986 Oct 25;261(30):14178–83

Four independent electrophoretic markers in spadefoot toads. Simovich MA, et al. **J Hered** 1986 Nov–Dec;77(6):410–4

Complete nucleotide sequence of the Escherichia coli gene encoding malate dehydrogenase. McAlister-Henn L, et al. **Nucleic Acids Res** 1987 Jun 25;15(12):4993

ISOLATION & PURIFICATION

Microheterogeneity of the malate dehydrogenase from several sources. Domènech C, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):753–7

Purification and properties of the cytosolic and mitochondrial forms of aspartate aminotransferase and malate dehydrogenase from rat heart. Mavrides C, et al. **Biochem Cell Biol** 1987 Mar;65(3):239–44

Comparison of the precursor and mature forms of rat heart mitochondrial malate dehydrogenase. Grant PM, et al. **Biochemistry** 1987 Jan 13;26(1):128–34

Purification procedure and N-terminal amino acid sequence of yeast malate dehydrogenase isoenzymes. Kopetzki E, et al. **Biochim Biophys Acta** 1987 Apr 30;912(3):398–403

Malate dehydrogenase species in the cytosolic fraction of chicken liver. Domènech C, et al. **Biol Chem Hoppe Seyler** 1986 Oct;367(10):1069–76

Comparative analysis of the malate dehydrogenases isolated from the cytosolic fraction of several tissues of guinea-pig Cavia porcellus. Fornós M, et al. **Comp Biochem Physiol [B]** 1987;86(1):89–94

Purification and properties of mitochondrial malate dehydrogenase of Toxocara canis muscle. Mansini E, et al. **Comp Biochem Physiol [B]** 1986;85(1):223–8

Malate dehydrogenase in phototrophic purple bacteria: purification, molecular weight, and quaternary structure. Tayeh MA, et al. **J Bacteriol** 1987 Sep;169(9):4196–202

Malic enzyme from archaebacterium Sulfolobus solfataricus. Purification, structure, and kinetic properties. Bartolucci S, et al. **J Biol Chem** 1987 Jun 5;262(16):7725–31

Evidence for a multiple subunit composition of plant NAD malic enzyme. Willeford KO, et al. **J Biol Chem** 1987 Jun 15;262(17):8423–9

Rapid chromatographic purification of the mitochondrial isoenzyme of beef heart malate dehydrogenase. Skabrahová Z, et al. **J Chromatogr** 1986 Nov 21;369(2):426–30

Affinity chromatography on 2',5'-ADP-Sepharose 4B for purification of malic enzyme from crustacean muscle. Skorkowski EF, et al. **J Chromatogr** 1987 Mar 13; 389(2):427–32

Isolation, properties and role in progesterone biosynthesis of cytosolic malic enzyme from human term placenta. Swierczynski J, et al. **Placenta** 1987 Mar–Apr;8(2):175–84

METABOLISM

Relationship between the increase in liver nuclear triiodothyronine-receptor sites and malic enzyme activation by dexamethasone. Recúpero AR, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(2):93–103

Malate-aspartate and alpha-glycerophosphate shuttle enzyme levels in human skeletal muscle: methodological considerations and effect of endurance training. Schantz PG, et al. **Acta Physiol Scand** 1986 Nov;128(3):397–407

Modification of an arginine residue essential for the activity of NAD-malic enzyme from Ascaris suum. Rao GS, et al. **Arch Biochem Biophys** 1987 May 15;255(1):8–13

Effect of clofibrate feeding on some lipogenic enzyme activities induced by high carbohydrate diet. Zelewski M, et al. **Biochem Int** 1986 Oct;13(4):591–8

Structure of porcine heart cytoplasmic malate dehydrogenase: combining X-ray diffraction and chemical sequence data in structural studies. Birktoft JJ, et al. **Biochemistry** 1987 May 19;26(10):2722–34

Isotope effect studies of the chemical mechanism of nicotinamide adenine dinucleotide malic enzyme from Crassula. Grissom CB, et al. **Biochemistry** 1987 May 5; 26(9):2594–6

Inactivation of NAD-dependent dehydrogenases from shallow- and deep-living fishes by hydrostatic pressure and proteolysis. Hennessey JP Jr, et al. **Biochim Biophys Acta** 1987 Jul 7;913(3):285–91

Malate dehydrogenase and glucose-6-phosphate dehydrogenase activity in livers of Ni-deficient rats. Kirchgessner M, et al. **Bioinorg Chem** 1976;6(2):155–61

Crystalline NAD/NADP-dependent malate dehydrogenase; the enzyme from the thermoacidophilic archaebacterium Sulfolobus acidocaldarius. Hartl T, et al. **Biol Chem Hoppe Seyler** 1987 Mar;368(3):259–67

Structure-function relationship of mitochondrial malate dehydrogenase at high dilution and in multicomponent systems. Jaenicke R, et al. **Biol Chem Hoppe Seyler** 1987 Jul;368(7):871–8

Mitochondrial NADP-dependent malic enzyme of cod heart. Rate of forward and reverse reaction. Biegniewska A, et al. **Comp Biochem Physiol [B]** 1987;86(4):731–5

Adaptation of Drosophila enzymes to temperature—V. Heat shock effect on the malate dehydrogenase of Drosophila melanogaster. Goulielmos G, et al. **Comp Biochem Physiol [B]** 1986;85(1):229–34

Effect of thyroxine in vivo on malic enzyme activity in liver cytosol of propylthiouracil and alpha-amanitin treated rats. Knopp J, et al. **Endocrinol Exp (Bratisl)** 1987 Jun; 21(2):125–32

CO2 is the inorganic carbon substrate of NADP malic enzymes from Zea mays and from wheat germ. Häusler RE, et al. **Eur J Biochem** 1987 Mar 16;163(3):619–26

In vivo uptake of mitochondrial malate dehydrogenase from watermelon by mitochondria of Xenopus laevis oocytes. Sautter C. **Eur J Cell Biol** 1986 Aug;41(2):263–9

Changes in the activity of lactatedehydrogenase, malatdehydrogenase, alkaline and acid phosphatase in the saliva of anesthesiological personnel. Popova S, et al. **Folia Med (Plovdiv)** 1986;28(3):40–4

Malic enzyme, malate dehydrogenase, fumarate reductase and succinate dehydrogenase in the larvae of Taenia crassiceps (Zeder, 1800). Zenka J, et al. **Folia Parasitol (Praha)** 1987;34(2):131–6

The role of malic enzyme in the carbohydrate metabolism of Trichinella spiralis spiralis and Trichinella spiralis pseudospiralis. Boczoń K. **Int J Parasitol** 1986 Oct; 16(5):435–40

Electron microscopic and enzyme investigations of the testicular tissue in infertile males. Tzvetkov D, et al. **Int Urol Nephrol** 1986;18(3):315–20

The role of arginine residues in the rat mitochondrial malate dehydrogenase transit peptide. Chu TW, et al. **J Biol Chem** 1987 Sep 15;262(26):12806–11

Quantitation of the interaction between citrate synthase and malate dehydrogenase. Tompa P, et al. **J Biol Chem** 1987 May 5;262(13):6089–92

Distribution of activities of aspartate aminotransferase isoenzymes and malate dehydrogenase in guinea pig retinal layers. Ross CD, et al. **J Histochem Cytochem** 1987 Jun; 35(6):669–74

Heat-inactivation of liver glucose-6-phosphate dehydrogenase and malic enzyme in 1- and 12-month-old rats. Fukuda H, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Oct;32(5):507–12

Effect of dietary medium chain triglyceride on lipogenic enzyme activity in rat liver. Takase S, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Apr;32(2):219–27

Influence of age on mitochondrial enzyme levels in Drosophila. Massie HR, et al. **Mech Ageing Dev** 1987 Apr; 38(2):119–26

The NADPH consumption regulates the NADPH-producing pathways (pentose phosphate cycle and malic enzyme) in rat adipocytes. Fabregat I, et al. **Mol Cell Biochem** 1987 Mar;74(1):77–81

Glutamate and malate dehydrogenase activities in Joseph disease and olivopontocerebellar atrophy. Grossman A, et al. **Neurology** 1987 Jan;37(1):106–11

Mechanism of pigeon liver malic enzyme: modification of essential carboxyl groups. Chang GG, et al. **Proc Natl Sci Counc Repub China [B]** 1985 Jan;9(1):56–66

[Microscopic determination of glucose-6-phosphate dehydrogenase and malic enzyme in liver acinus] Uhlmann R, et al. **Acta Histochem [Suppl] (Jena)** 1987;34:131–4 **(Ger)**

[Single cycles of direct and reverse enzymatic reaction illustrated by malate dehydrogenase] Bliumenfel'd LA, et al. **Biofizika** 1986 Sep–Oct;31(5):760–3 (Eng. Abstr.) **(Rus)**

[Various kinetic and spectral-fluorescent properties of NADP-dependent malate dehydrogenase from bovine adrenal cortex cytoplasm] Senkevich SB, et al. **Biokhimiia** 1986 Sep;51(9):1534–40 (Eng. Abstr.) **(Rus)**

[An optimum regimen for the use of malate dehydrogenase and lactate dehydrogenase during chemical regeneration of the cofactor] Markina VL, et al. **Prikl Biokhim Mikrobiol** 1986 Sep–Oct;22(5):635–41 (Eng. Abstr.) **(Rus)**

MALATE SYNTHASE see under **KETOACID-LYASES**

MALATES

Studies on the biosynthesis of bialaphos (SE-1293). 7. The absolute configuration of 2-phosphinomethylmalic acid, a biosynthetic intermediate of bialaphos. Shimotohno K, et al. **J Antibiot (Tokyo)** 1986 Sep;39(9):1356–9

METABOLISM

Effects of alanine on malate-aspartate shuttle in perfused livers from cold-exposed rats. Sugano T, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):E385–92

L-malate transport and proton symport in vesicles prepared from Pseudomonas putida. Agbanyo FR, et al. **Biochem Cell Biol** 1986 Nov;64(11):1190–4

In vivo and in vitro adenosine stimulation of ethanol oxidation by hepatocytes, and the role of the malate-aspartate shuttle. Hernández-Muñoz R, et al. **Biochim Biophys Acta** 1987 Sep 14;930(2):254–63

Aminooxyacetic acid inhibits the malate-aspartate shuttle in isolated nerve terminals and prevents the mitochondria from utilizing glycolytic substrates. Kauppinen RA, et al. **Biochim Biophys Acta** 1987 Sep 14;930(2):173–8

Bilirubin inhibition of enzymes involved in the mitochondrial malate-aspartate shuttle. McLoughlin DJ, et al. **Biochim Biophys Acta** 1987 Aug 12;893(1):7–12

L-malic-acid permeation in resting cells of anaerobically grown Saccharomyces cerevisiae. Salmon JM. **Biochim Biophys Acta** 1987 Jul 10;901(1):30–4

Energization of mitochondrial inner membranes by L-malate under anaerobic condition is driven by energy derived at side I of phosphorylation. Tsuda M, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4327–30

Malate transport in Schizosaccharomyces pombe. Osothsilp C, et al. **J Bacteriol** 1986 Dec;168(3):1439–43

PHARMACODYNAMICS

Influence of substances modifying oxidative reactions on the electroretinogram of the frog. Czepita D. **Biomed Biochim Acta** 1986;45(9):1195–8

[Effect of malate and NAD on local myocardial contraction during acute coronary occlusion] Kostin VI. **Biull Eksp Biol Med** 1986 Sep;102(9):303–5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Effects of malate, succinate and bicarbonate salts in preventing experimental oxalate urolithiasis in rats] Yamaguchi K, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Feb;78(2):311–8 (Eng. Abstr.) **(Jpn)**

URINE

Organic aciduria in rats fed high amounts of xylitol or sorbitol. Hämäläinen MM. **Toxicol Appl Pharmacol** 1987 Sep 15;90(2):217–26

MALATHION

The impact of sequential ultra-low volume ground aerosol applications of malathion on the population dynamics of Aedes aegypti (L.). Focks DA, et al. **Am J Trop Med Hyg** 1987 May;36(3):639–47

The 1982 emergency ultralow volume spray campaign against Aedes aegypti adults in Paramaribo, Suriname. Hudson JE. **Bull Pan Am Health Organ** 1986;20(3):294–303

Impact of malathion thermal fogging on mosquito populations in Delhi and its place in malaria control. Sharma VP, et al. **Indian J Malariol** 1986 Jun;23(1):65–7

Development of resistance to malathion in cat flea (Siphonaptera: Pulicidae). Collart MG, et al. **J Econ Entomol** 1986 Dec;79(6):1570–2

Use of a genetic technique for separating the sexes of the stable fly (Diptera: Muscidae). Seawright JA, et al. **J Econ Entomol** 1986 Oct;79(5):1413–7

The integrated use of Toxorhynchites amboinensis and ground-level ULV insecticide application to suppress Aedes aegypti (Diptera: Culicidae). Focks DA, et al. **J Med Entomol** 1986 Sep 19;23(5):513–9

[Evaluation of the degree of resistance of houseflies to gamma HCH and malathion in Poland] Krzeminska A, et al. **Rocz Panstw Zakl Hig** 1986;37(5):451–8 (Eng. Abstr.) **(Pol)**

[Resistance of Culex pipiens L. to malathion, fenitrothion and DDT in the districts of Baku] Bagirov GA, et al. **Med Parazitol (Mosk)** 1987 May–Jun;(3):78–80 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

The efficacy of malathion shampoo against head louse infestation. Blommers L. **Acta Leiden** 1978;46:7–8

ADVERSE EFFECTS

[Congenital malformations associated with fumigation by malathion] Arévalos E, et al. **Rev Med Chil** 1987 Jan; 115(1):37–9 (Eng. Abstr.) **(Spa)**

ANALOGS & DERIVATIVES

Species-related differences in the inhibition of brain acetylcholinesterase by paraoxon and malaoxon. Johnson JA, et al. **Toxicol Appl Pharmacol** 1987 Apr;88(2):234–41

ANALYSIS

An enzyme test for determining isomalathion impurities in water-dispersible powders of malathion. Reiner E, et al. **Bull WHO** 1986;64(3):397–401

Pesticide residues in Hale County, Texas, before and after ultra-low volume aerial application of malathion. Guerrant GO, et al. **Pestic Monit J** 1970 Jun;4(1):14–20

BLOOD

A case report of intravenous malathion injection with determination of serum half-life. Lyon J, et al. **J Toxicol Clin Toxicol** 1987;25(3):243–9

METABOLISM

Partition of malathion in synthetic and native membranes. Antunes-Madeira MC, et al. **Biochim Biophys Acta** 1987 Jul 10;901(1):61–6

PHARMACODYNAMICS

Cerebral glycogenolysis and glycolysis in malathion-treated hyperglycaemic animals. Matin MA, et al. **Biochem Pharmacol** 1987 Jun 1;36(11):1815–7

Brain cholinesterase activity in birds after a city-wide aerial application of malathion. Kucera E. **Bull Environ Contam Toxicol** 1987 Mar;38(3):456–60

Short-term effect of malathion on rats' blood glucose and on glucose utilization by mammalian cells in vitro. Rodrigues MA, et al. **Ecotoxicol Environ Safety** 1986 Oct; 12(2):110–3

[Effect of malathion on the nucleolytic enzyme activity of lymphocytes] Walter Z, et al. **Folia Med Cracov** 1987; 28(1–2):177–84 (Eng. Abstr.) **(Pol)**

[Effect of malathion (O,O-dimethyl-S-1,2-dicarboethoxy-ethyl-dithiophosphate) on the transcription activity of chromatin in vitro and transcription products in cell nuclei from the calf thymus gland] Wiszkowska H, et al. **Folia Med Cracov** 1987;28(1–2):185–92 (Eng. Abstr.) **(Pol)**

POISONING

Exposure to aerial malathion application and the occurrence of congenital anomalies and low birthweight. Grether JK, et al. **Am J Public Health** 1987 Aug;77(8):1009–10

[An unusual cause of acute esophagitis (letter)] Giovannini M, et al. **Presse Med** 1987 May 2;16(16):781 **(Fre)**

[Erythrocyte and plasma cholinesterase activities on poisoning by disyston, fenitrothion and malathion] Shimada E, et al. **Sangyo Igaku** 1986 Sep;28(5):368–9 **(Jpn)**

[Histopathology of the skeletal musculature in acute peroral carbophos poisoning] Kolesnichenko IP. **Arkh Patol** 1987; 49(4):61–7 (Eng. Abstr.) **(Rus)**

[Toxic myopathy in acute organophosphate poisoning] Zakurdaev VV. **Voen Med Zh** 1986 Oct;(10):49–51 **(Rus)**

TOXICITY

The effect of carbaryl and malathion in combination on gamma-glutamyl transpeptidase and glutathione S-alkyltransferase activity in vitro. Lechner DW, et al. **Arch Environ Contam Toxicol** 1986 Nov;15(6):647–51

Effects of social stress on the toxicity of malathion in young chickens. Brown C, et al. **Avian Dis** 1986 Oct–Dec; 30(4):679–82

Chronic malathion toxicity: effect on carbohydrate metabolism of Oziotelphusa senex senex, the Indian rice field crab. Reddy PS, et al. **Bull Environ Contam Toxicol** 1986 Dec;37(6):816–22

Malathion toxicity: effect on the liver of the fish Brachydanio rerio (Cyprinidae). Kumar K, et al. **Ecotoxicol Environ Safety** 1986 Dec;12(3):199–205

Lack of mutagenicity of the organophosphorus insecticide malathion in Drosophila melanogaster. Velázquez A, et al. **Environ Mutagen** 1987;9(3):343–8

Evaluation of toxicity limit and sex hormone production in response to cythion and BHC in the vitellogenic catfish Clarias batrachus. Singh S, et al. **Environ Res** 1987 Apr; 42(2):482–8

The effect of malathion on RNA polymerase activity of cell nuclei and transcription products in lymphocyte culture. Wiszkowska H, et al. **Environ Res** 1986 Dec;41(2):372–7

Contribution of monoaminergic nervous system in potentiation of 2-sec-butylphenyl N-methylcarbamate (BPMC) toxicity by malathion in male mice. Takahashi H, et al. **Fundam Appl Toxicol** 1987 Apr;8(3):415–22

Malathion induced alterations in the lipid profile and the rate of lipid peroxidation in rat brain and spinal cord. Haque N, et al. **Pharmacol Toxicol** 1987 Jul;61(1):12–5

The effects of differential induction of cytochrome P-450, carboxylesterase and glutathione S-transferase activities on malathion toxicity in mice. Ketterman AJ, et al. **Toxicol Appl Pharmacol** 1987 Mar 15;87(3):389–92

Effect of length of exposure to malathion on xenobiotic biotransformation in male rat liver. Reidy GF, et al. **Toxicol Lett** 1987 Sep;38(1–2):193–9

Interaction of hexachlorocyclohexane and malathion in male guinea pigs after repeated dermal application. Dikshith TS, et al. **Vet Hum Toxicol** 1987 Apr;29(2):138–43

MALEATES

Use of a styrene-maleic anhydride copolymer as an adjuvant with testosterone-serum albumin immunogens and its application to increasing ovulation rate in the ewe. Wong MS, et al. **Aust J Biol Sci** 1986;39(1):99–108

METABOLISM

Detoxifying activities in alveolar macrophages of rats treated with acetylcysteine, diethyl maleate and/or aroclor. De Flora S, et al. **Anticancer Res** 1986 Sep–Oct;6(5):1009–12

Binding to and internalization by cultured cells of neocarzinostatin and enhancement of its actions by conjugation with lipophilic styrene-maleic acid copolymer. Oda T, et al. **Cancer Res** 1987 Jun 15;47(12):3206–11

PHARMACODYNAMICS

Inhibition of Clostridium botulinum 62A by fumarates and maleates and relationship of activity to some physicochemical constants. Dymicky M, et al. **Appl Environ Microbiol** 1987 Jan;53(1):110–3

Inhibition of the low-Km mitochondrial aldehyde dehydrogenase by diethyl maleate and phorone in vivo and in vitro. Implications for formaldehyde metabolism. Dicker E, et al. **Biochem J** 1986 Dec 15;240(3):821–7

Effect of diethylmaleate and other glutathione depletors on protein synthesis. Costa LG, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3383–8

Changes in biliary secretion and lactate metabolism induced by diethyl maleate in rabbits. Jimenez R, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4251–60

Pharmacokinetic aspects of sulfobromophthalein transport after diethyl maleate pretreatment in rats. González J, et al. **Eur J Drug Metab Pharmacokinet** 1987 Jan–Mar; 12(1):5–9

Effect of phenothiazines, disodium ethylenediaminetetraacetic acid and diethyl maleate on in vitro rat colonic transport of cefmetazole and inulin. Suzuka T, et al. **J Pharmacobiodyn** 1987 Feb;10(2):63–71

Elevation of intrarenal adenosine by maleic acid decreases GFR and renin release. Arend LJ, et al. **Kidney Int** 1986 Nov;30(5):656–61

Coordinately increased lysozymuria and lysosomal enzymuria induced by maleic acid. Al-Bander HA, et al. **Kidney Int** 1986 Dec;30(6):804–12

The effect of glutathione depletion by diamide, diethyl maleate or buthione sulfoximine on the surface structure of mouse L-cells. Szekely JG, et al. **Scanning Microsc** 1987 Mar;1(1):273–81

THERAPEUTIC USE

The radiosensitizing effects of misonidazole (MISO) in combination with diethyl maleate (DEM) in mouse mammary tumors. Ono K, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1843–7

[Radiation-protective effect of insoluble polyanion in prolonged gamma irradiation] Minkova MI, et al. **Kosm Biol Aviakosm Med** 1986 Nov–Dec;20(6):92–3 **(Rus)**

TOXICITY

Effects of diethyl maleate on non-protein sulfhydryl content and cellular functions of mouse thymocytes in vitro. Hennighausen G. **Arch Toxicol [Suppl]** 1986;9:297–301

MALEIC ANHYDRIDES see under FURANS

MALEIC HYDRAZIDE see under PYRIDAZINES

MALEIMIDES

The use of N-[beta-(4-diazophenyl)ethyl]maleimide as a heterobifunctional agent in developing enzyme immunoassay for neurotensin. Fujiwara K, et al. **Anal Biochem** 1987 Feb 15;161(1):157–63

Reaction of the model thiol 2-mercaptoethanol and glutathione with methylvinylmaleimide, a Michael acceptor with extended conjugation. Schaefer WH, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):186–93

[A case of molluscum contagiosum on the eyelid in an adult man—an histochemical study by DACM staining] Kanamori M, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Oct; 96(11):1133–7 (Jpa)

DIAGNOSTIC USE

Selective labeling of sulfhydryls and disulfides on blot transfers using avidin–biotin technology: studies on purified proteins and erythrocyte membranes. Bayer EA, et al. **Anal Biochem** 1987 Mar;161(2):262–71

High-performance liquid chromatography–fluorometry for the determination of thiols in biological samples using N-[4-(6-dimethylamino-2-benzofuranyl) phenyl]-maleimide. Nakashima K, et al. **J Chromatogr** 1987 Feb 20;414(1):11–7

METABOLISM

Identification of N-[p-(2-benzimidazolyl)phenyl]maleimide-modified residue participating in dynamic fluorescence changes accompanying Na+,K+-dependent ATP hydrolysis. Nagai M, et al. **J Biol Chem** 1986 Oct 5;261(28):13197–202

PHARMACODYNAMICS

The effect of N,N'-p-phenylenedimaleimide (PMD) on deoxygenation-induced K loss in sickle erythrocytes. Wall SN, et al. **Am J Med Sci** 1987 Aug;294(2):105–9

Interactions of sodium–proton exchange mechanism in dog red blood cells with N-phenylmaleimide. Parker JC, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):C60–5

Excimer formation in pyrenemaleimide-labeled sarcoplasmic reticulum ATPase [letter] Lüdi H, et al. **Biophys J** 1987 Mar;51(3):513–5

Effect of peptide bond splitting on ouabain sensitive conformational changes in Na+,K+-ATPase treated with N-[p-(2-benzimidazolyl)phenyl]maleimide. Inoue S, et al. **Jpn J Pharmacol** 1987 Jan;43(1):107–11

MALFUNCTION, EQUIPMENT see EQUIPMENT FAILURE

MALIC ENZYME see MALATE DEHYDROGENASE

MALIGNANT CARCINOID SYNDROME

Malignant carcinoid tumors. An analysis of 103 patients with regard to tumor localization, hormone production, and survival. Norheim I, et al. **Ann Surg** 1987 Aug; 206(2):115–25

32-year-old man with nausea, vomiting and metastatic adenocarcinoma [clinical conference] Crabb D, et al. **Indiana Med** 1986 Nov;79(11):981–8

Carcinoid tumors and syndrome. Feldman JM. **Semin Oncol** 1987 Sep;14(3):237–46

COMPLICATIONS

Anaesthesia and gastric carcinoid [letter] Parry T, et al. **Anaesthesia** 1986 Dec;41(12):1265–6

DIAGNOSIS

A blush from the heart. Sane DC, et al. **Chest** 1987 Aug; 92(2):360–1

Normal 5-hydroxyindole excretion in the presence of carcinoid syndrome. Wiles P, et al. **Ir Med J** 1987 Apr; 80(4):122–3

[Carcinoid tumor of the appendix with the flush syndrome (apropos of 1 case)] Lamhamdi A, et al. **Maroc Med** 1985 Sep;7(3):702–9 (Eng. Abstr.) (Fre)

[The echocardiogram in the carcinoid heart syndrome. A case report] Silva CE, et al. **Arq Bras Cardiol** 1986 May; 46(5):343–7 (Eng. Abstr.) (Por)

DRUG THERAPY

Chemotherapy of metastatic carcinoid and islet cell tumors. A review. Kvols LK, et al. **Am J Med** 1987 May 29; 82(5B):77–83 (59 ref.)

Metastatic carcinoid tumors and the carcinoid syndrome. A selective review of chemotherapy and hormonal therapy. Kvols LK. **Am J Med** 1986 Dec 22;81(6B):49–55

Phase II study of cisplatin therapy in patients with metastatic carcinoid tumor and the malignant carcinoid syndrome. Moertel CG, et al. **Cancer Treat Rep** 1986 Dec; 70(12):1459–60

Ketanserin, a 5-HT antagonist, in symptomatic treatment of carcinoid syndrome. Sullivan PA, et al. **Ir J Med Sci** 1986 Dec;155(12):436

PATHOLOGY

Unusual cardiac involvement in carcinoid syndrome. Schiller VL, et al. **Am Heart J** 1986 Dec;112(6):1322–3

Carcinoid syndrome from a tumor of Meckel's diverticulum [letter] Green M, et al. **Am J Med** 1987 Jul;83(1):184–6

[Heart involvement in carcinoid syndrome] Grollier G, et al. **Presse Med** 1986 Sep 6;15(28):1323–5 (Eng. Abstr.) (Fre)

PHYSIOPATHOLOGY

Flushing in the carcinoid syndrome and plasma kallikrein. Lucas KJ, et al. **Cancer** 1986 Nov 15;58(10):2290–3

RADIOGRAPHY

Chest radiography in the carcinoid syndrome. Thorvinger B, et al. **Acta Radiol** 1987 Jan–Feb;28(1):49–51

SECRETION

Carcinoids and carcinoid syndrome. Creutzfeldt W, et al. **Am J Med** 1987 May 29;82(5B):4–16 (95 ref.)

SURGERY

Somatostatin, anaesthesia, and the carcinoid syndrome. Peri-operative administration of a somatostatin analogue to suppress carcinoid tumour activity. Roy RC, et al. **Anaesthesia** 1987 Jun;42(6):627–32

Palliation of carcinoid heart disease. Codd JE, et al. **Arch Surg** 1987 Sep;122(9):1076–7

THERAPY

Carcinoid syndrome: comparison of pretreatment regimes in the same patient. Padfield NL. **Ann R Coll Surg Engl** 1987 Jan;69(1):16–7

Failure of Ivalon to provide permanent hepatic arterial occlusion. Miller DL. **Cardiovasc Intervent Radiol** 1987; 10(2):111–3

URINE

[Urinary 5-HIAA stimulation test for the diagnosis of carcinoid syndrome caused by carcinoid tumors of the middle intestine] Varas MJ, et al. **Rev Esp Enferm Apar Dig** 1986 Oct;70(4):311–5 (Eng. Abstr.) (Spa)

MALIGNANT CATARRH

Rabies and other viral diseases. Heuschele WP. **Vet Clin North Am [Food Anim Pract]** 1987 Mar;3(1):45–59

COMPLICATIONS

Concurrent malignant catarrhal fever and bovine virus diarrhoea virus infection in a dairy herd. Sharpe RT, et al. **Vet Rec** 1987 Jun 6;120(23):545–8

TRANSMISSION

Malignant catarrhal fever: experimental transmission of the 'sheep-associated' form of the disease from cattle and deer to cattle, deer, rabbits and hamsters. Reid HW, et al. **Res Vet Sci** 1986 Jul;41(1):76–81

MALIGNANT HYPERPYREXIA see MALIGNANT HYPERTHERMIA

MALIGNANT HYPERTHERMIA

Malignant hyperthermia and the dental practitioner. Galanter-Mosielski MM, et al. **Can Dent Assoc J** 1987 Apr; 53(4):295–6

Malignant hyperthermia. Robertson GR. **Can Dent Assoc J** 1987 Jan;53(1):33–5

Malignant hyperthermia: a dilemma for the cardiac surgeon. Landymore RW, et al. **Can J Surg** 1987 May;30(3):209–11

Surgery on patients with malignant hyperthermia. Lekas MD, et al. **Ear Nose Throat J** 1986 Sep;65(9):38–44

Birth defects and predisposition to malignant hyperthermia [letter] Pinsky L. **J Pediatr** 1987 Mar;110(3):494

Malignant hyperthermia during general anesthesia: medico-legal considerations. Paladino TR. **Med Trial Tech Q** 1982 Winter;28(3):242–54

Malignant hyperthermia in Jordan. Keilani MR, et al. **Middle East J Anesthesiol** 1987 Jun;9(2):169–83

[Anesthesia in subjects sensitive to malignant hyperthermia] Krivosic-Horber R, et al. **Can Anesthesiol** 1986 Oct; 34(6):505–11 (53 ref.) (Fre)

BLOOD

Selective increase in cytoplasmic calcium by anesthetic in lymphocytes from malignant hyperthermia-susceptible pigs. Klip A, et al. **Anesth Analg** 1987 May;66(5):381–5

Changes in cytoplasmic free calcium caused by halothane. Role of the plasma membrane and intracellular Ca2+ stores. Klip A, et al. **Biochem Cell Biol** 1986 Nov; 64(11):1181–9

Acute calcium homeostasis in MHS swine. Harrison GG, et al. **Can J Anaesth** 1987 Jul;34(4):377–9

Effects of anaesthetic agents on erythrocyte fragility: comparison of normal and malignant hyperthermia susceptible patients. Tolpin EI, et al. **Can J Anaesth** 1987 Jul;34(4):366–72

Anaesthetic-induced increase in ionised calcium in blood mononuclear cells from malignant hyperthermia patients. Klip A, et al. **Lancet** 1987 Feb 28;1(8531):463–6

CHEMICALLY INDUCED

Cocaine intoxication: hyperpyrexia, rhabdomyolysis and acute renal failure. Merigian KS, et al. **J Toxicol Clin Toxicol** 1987;25(1–2):135–48

COMPLICATIONS

King's syndrome with malignant hyperthermia. Potential outpatient risks. Steenson AJ, et al. **Am J Dis Child** 1987 Mar;141(3):271–3

Use of tricyclic antidepressants in a patient with malignant hyperthermia [letter] Richter MA, et al. **Am J Psychiatry** 1987 Apr;144(4):526

Malignant hyperthermia susceptibility in neuroleptic malignant syndrome. Caroff SN, et al. **Anesthesiology** 1987 Jul;67(1):20–5

Sudden infant death syndrome and malignant hyperthermia diathesis. Peterson DR, et al. **Aust Paediatr J** 1986;22 Suppl 1:33–5

Anaesthetic management of the malignant hyperthermia susceptible parturient [letter] Ranklev E, et al. **Can J Anaesth** 1987 Jan;34(1):106

Multiple pterygium syndrome: a case complicated by malignant hyperthermia. Robinson LK, et al. **Clin Genet** 1987 Jul;32(1):5–9

[Masseter spasm as the presenting feature of malignant hyperpyrexia syndrome. A case report. Edge KR, et al. **S Afr J Surg** 1987 Mar;25(1):37–8

[Mandibular spasm and malignant hyperthermia] Pérez del Palomar Chavarri R, et al. **Rev Esp Anestesiol Reanim** 1986 Nov-Dec;33(6):440–2 (Eng. Abstr.) (Spa)

DIAGNOSIS

Malignant hyperthermia: routine monitoring and early detection. Van Obbergh LJ, et al. **Acta Anaesthesiol Belg** 1986;37(4):267–9

In vitro diagnosis of susceptibility to malignant hyperthermia: comparison between dynamic and static halothane and caffeine tests. Ording H, et al. **Acta Anaesthesiol Scand** 1987 Jul;31(5):458–61

In vitro diagnosis of susceptibility to malignant hyperthermia: evaluation of tests with halothane-caffeine, potassium chloride, suxamethonium and caffeine-suxamethonium. Ording H, et al. **Acta Anaesthesiol Scand** 1987 Jul; 31(5):462–5

Erythrocyte fragility screening is not a tool for diagnosis of human malignant hyperthermia. Kistler P, et al. **Anesth Analg** 1987 Oct;66(10):1004–7

No relationship between fiber type and halothane contracture test results in malignant hyperthermia. Heiman-Patterson T, et al. **Anesthesiology** 1987 Jul;67(1):82–4

Calcium uptake in frozen muscle biopsy sections compared with other predictors of malignant hyperthermia susceptibility. Nagarajan K, et al. **Anesthesiology** 1987 May; 66(5):680–5

[Detection of peranesthetic malignant hyperthermia by muscle contracture tests and NMR spectroscopy] Kozak-Reiss G, et al. **Ann Fr Anesth Reanim** 1986; 5(6):584–9 (Eng. Abstr.) (Fre)

[Symptoms of acute cerebral hernia following induction of anesthesia in hydrocephalus—malignant hyperthermia in reality] Sold M, et al. **Anaesthesist** 1986 Oct;35(10):634–8 (Eng. Abstr.) (Ger)

[Malignant hyperthermia: clinical aspects, diagnosis and practical procedures] Urwyler A, et al. **Ther Umsch** 1987 Jul;44(7):559–63 (Eng. Abstr.) (Ger)

[Atypical form of malignant hyperthermia. Observation of a case caused by ketamine] Rasore-Quartino A, et al. **Pathologica** 1985 Nov-Dec;77(1052):609–17 (Eng. Abstr.) (Ita)

DRUG THERAPY

Malignant hyperthermia: are we really prepared? [letter] Hein HA, et al. **Anesthesiology** 1987 Mar;66(3):448–9

Treatment of porcine malignant hyperthermia: lactate gradient from muscle to blood. Gronert GA, et al. **Can Anaesth Soc J** 1986 Nov;33(6):729–36

Dantrolene plasma and urine concentrations after oral pretreatment for malignant hyperthermia: report of a case. Wuis EW, et al. **Eur J Anaesthesiol** 1986 May;3(3):219–23

Dantrolene sodium is able to reduce the resting ionic [Ca2+]i in muscle from humans with malignant hyperthermia. López JR, et al. **Muscle Nerve** 1987 Jan;10(1):77–9

ETHNOLOGY

Malignant hyperthermia in Chinese children [letter] Leung AK. **Oral Surg Oral Med Oral Pathol** 1987 Mar;63(3):317

ETIOLOGY

Malignant hyperthermia during isoflurane anaesthesia. A case report. Johannesson G, et al. **Acta Anaesthesiol Scand** 1987 Apr;31(3):231–2

Fatal malignant hyperthermia associated with recreational

cocaine and ethanol abuse. Loghmanee F, et al. **Am J Forensic Med Pathol** 1986 Sep;7(3):246–8

Anaesthesia for patients with arthrogryposis multiplex congenita: what is the risk of malignant hyperthermia? Baines DB, et al. **Anaesth Intensive Care** 1986 Nov; 14(4):370–2

Malignant hyperthermia in a three-month-old American Indian infant. Bailey AG, et al. **Anesth Analg** 1987 Oct; 66(10):1043–5

Central core disease. Clinical features in 13 patients. Shuaib A, et al. **Medicine (Baltimore)** 1987 Sep;66(5):389–96

Malignant hyperthermia in anaesthesia. II. A review. de Wet JS. **S Afr Med J** 1972 Jul 22;46(30):1036–9

[A case of fatal non-rigid malignant hyperthermia] Marckmann P. **Ugeskr Laeger** 1986 Oct 27;148(44):2839–40 (Eng. Abstr.) **(Dan)**

[Malignant hyperthermia following halothane anesthesia for more than 3 hours] Schiffner H, et al. **Anaesthesiol Reanim** 1986;11(4):215–20 (Eng. Abstr.) **(Ger)**

[Hyperthermia and rhabdomyolysis caused by a monoamine oxidase inhibitor (letter)] Marruecos Sant L, et al. **Med Clin (Barc)** 1987 Feb 21;88(7):301 **(Spa)**

FAMILIAL & GENETIC

[Examination of the family of a patient susceptible to anesthetic malignant hyperthermia (published erratum appears in Ann Fr Anesth Reanim 1986;5(5):558)] Krivosic-Horber R, et al. **Ann Fr Anesth Reanim** 1986; 5(3):326–9 (Eng. Abstr.) **(Fre)**

METABOLISM

Effects of graded exercise on leg exchange of energy substrates in malignant hyperthermia susceptible subjects. Rutberg H, et al. **Anesthesiology** 1987 Sep;67(3):308–13

Comparison of metabolites in skeletal muscle biopsies from normal humans and those susceptible to malignant hyperthermia. Verburg MP, et al. **Anesthesiology** 1986 Dec; 65(6):654–7

Skeletal muscle sarcolemma in malignant hyperthermia: evidence for a defect in calcium regulation. Mickelson JR, et al. **Biochim Biophys Acta** 1987 Mar 12;897(3):364–76

Effects of halothane, caffeine, dantrolene and tetracaine on the calcium permeability of skeletal sarcoplasmic reticulum of malignant hyperthermic pigs. Ohnishi ST. **Biochim Biophys Acta** 1987 Feb 26;897(2):261–8

Calcium and magnesium content of skeletal muscle. Studies in subjects undergoing diagnostic testing for malignant hyperthermia. Nelson TE, et al. **Br J Anaesth** 1987 Jun; 59(6):730–4

Calmodulin in porcine malignant hyperpyrexia. Collins SP, et al. **Int J Biochem** 1987;19(1):63–70

Comparison of Ca++ uptake and spontaneous Ca++ release from sarcoplasmic reticulum vesicles isolated from muscle of malignant hyperthermia diagnostic patients. Nelson TE, et al. **J Pharmacol Exp Ther** 1987 Mar; 240(3):785–8

Deficient function of the sarcoplasmic reticulum in patients susceptible to malignant hyperthermia. Condrescu M, et al. **Muscle Nerve** 1987 Mar-Apr;10(3):238–41

MORTALITY

Sudden death: is there a human stress syndrome? [letter] Hein HA, et al. **JAMA** 1987 Mar 13;257(10):1328–9

OCCURRENCE

Investigation of malignant hyperthermia in Sweden. Ranklev E, et al. **Acta Anaesthesiol Scand** 1986 Nov;30(8):693–6

[Malignant hyperthermia in Austria. I. Epidemiology and clinical aspects] Mauritz W, et al. **Anaesthesist** 1986 Nov; 35(11):639–50 (25 ref.) (Eng. Abstr.) **(Ger)**

[Results of a national survey on malignant hyperthermia (letter)] Buitrago PM, et al. **Rev Esp Anestesiol Reanim** 1986 Nov-Dec;33(6):460 **(Spa)**

PATHOLOGY

3-in-1 lumbar plexus block for muscle biopsy in malignant hyperthermia patients. Amide local anaesthetics may be used safely. Gielen M, et al. **Acta Anaesthesiol Scand** 1986 Oct;30(7):581–3

Clinical and muscle biopsy findings in malignant hyperthermia susceptibility. Ranklev E, et al. **Acta Neurol Scand** 1986 Dec;74(6):452–9

[A rare case of malignant hyperthermia in infancy] Boïcheva A, et al. **Khirurgiia (Sofiia)** 1987;40(3):88–9 **(Bul)**

PHYSIOPATHOLOGY

Thermoregulation, plasma catecholamine and metabolite levels during submaximal work in individuals susceptible to malignant hyperpyrexia. Green JH, et al. **Acta Anaesthesiol Scand** 1987 Feb;31(2):122–6

Abnormal relaxation rates in subjects susceptible to malignant hyperthermia. Lennmarken C, et al. **Acta Neurol Scand** 1987 Feb;75(2):81–3

Effect of halothane on the Ca2+-transport system of surface membranes isolated from normal and malignant hyperthermia pig skeletal muscle. Rock E, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):703–7

In vitro muscle contractures induced by halothane and suxamethonium. II: Human skeletal muscle from normal and malignant hyperthermia susceptible patients. Fletcher JE, et al. **Br J Anaesth** 1986 Dec;58(12):1433–9

Atracurium and its antagonism by neostigmine (plus glycopyrrolate) in patients susceptible to malignant hyperthermia. Ording H, et al. **Br J Anaesth** 1986 Sep; 58(9):1001–4

Malignant hyperthermia--a clinical review. Haddad FS. **Middle East J Anesthesiol** 1986 Oct;8(6):469–85 (33 ref.)

Malignant hyperthermia. Cantin RY, et al. **Oral Surg Oral Med Oral Pathol** 1986 Oct;62(4):389–92

[Is the neuroleptic malignant syndrome comparable to anesthesia-induced malignant hyperthermia? (letter)] Lagarde P, et al. **Presse Med** 1986 Sep 13;15(29):1376–7 **(Fre)**

[Postoperative hyperthermic syndrome with a questionable relationship to malignant hyperthermia and the need for elucidating susceptibility] Plötz J. **Anaesthesist** 1986 Dec; 35(12):751–4 (Eng. Abstr.) **(Ger)**

[What significance is undefined malignant hyperthermia-sensitivity for the doctor and patient?] Schulte-Sasse U, et al. **Anaesthesist** 1986 Dec;35(12):705–7 **(Ger)**

PREVENTION & CONTROL

Malignant hyperthermia susceptibility--successful management with a "stressfree" techniqueJantzen JP, et al. **Acta Anaesthesiol Belg** 1987;38(1):107–13

Spinal block, after dantrolene pretreatment, for resection of a thigh muscle herniation in a young malignant hyperthermia susceptible man. Oikkonen M, et al. **Acta Anaesthesiol Scand** 1987 May;31(4):309–11

Prediction of malignant hyperthermia susceptibility by clinical signs. Larach MG, et al. **Anesthesiology** 1987 Apr; 66(4):547–50

Dantrolene prophylaxis and neuromuscular disorders [letter] Mora CT, et al. **Anesthesiology** 1987 May;66(5):702–3

General anesthesia in a malignant hyperthermia susceptible patient. Jones JE, et al. **J Oral Med** 1987 Jan-Mar; 42(1):22–4, 66

THERAPY

Malignant hyperthermia in anaesthesia. I. Case report. de Wet JS, et al. **S Afr Med J** 1972 Jul 22;46(30):1033–5

[An "around-the-clock" information service for malignant hyperthermia emergencies] Schulte-Sasse U, et al. **Chirurg** 1987 May;58(5):365 **(Ger)**

[Information service for malignant hyperthermia emergencies (letter)] Schulte-Sasse V, et al. **Dtsch Med Wochenschr** 1987 Apr 10;112(15):614 **(Ger)**

VETERINARY

Porcine malignant hyperthermia: false negatives in the halothane test. Gallant EM, et al. **Am J Vet Res** 1987 Mar; 48(3):488–91

Enhanced Ca2+-induced calcium release by isolated sarcoplasmic reticulum vesicles from malignant hyperthermia susceptible pig muscle. Mickelson JR, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):318–28

Evaluation of a commercial creatine kinase screening test for malignant hyperthermia (porcine stress syndrome). McDonell WN, et al. **Can J Vet Res** 1986 Oct;50(4):494–501

Malignant hyperthermia susceptibility: cardiac histomorphometry of dogs and young and market-weight swine. O'Brien PJ, et al. **Can J Vet Res** 1987 Jan;51(1):50–5

[Experimental study of dantrolene sodium in anesthetic malignant hyperthermia in the pietrain-strain pig] Adnet P, et al. **Cah Anesthesiol** 1986 Oct;34(6):463–7 **(Fre)**

MALINGERING

Post-traumatic stress disorder: does it clear up when the litigation is settled? [editorial] Cohen RI. **Br J Hosp Med** 1987 Jun;37(6):485

The pathology of self-mutilation and destructive acts: a forensic study and review. Eckert WG. **J Forensic Sci** 1977 Jan;22(1):242–50

The myth of malingering: why individuals withdraw from work in the presence of illness. Yelin E. **Milbank Q** 1986; 64(4):622–49

DIAGNOSIS

Evaluation of an exaggerated somatosensory deficit with symptom validity testing [letter] Pankratz L, et al. **Arch Neurol** 1987 Aug;44(8):798

Can localised brain impairment be simulated on neuropsychological test profiles? Hayward L, et al. **Aust NZ J Psychiatry** 1987 Mar;21(1):87–93

Detecting hysterical sensory symptoms: an elaboration of the forced choice technique. Miller E. **Br J Clin Psychol** 1986 Sep;25 (Pt 3):231–2

Pretended paralysis requiring artificial ventilation. Hopkins A, et al. **Br Med J [Clin Res]** 1987 Apr 11;294(6577):961–2

Detection of simulation among persons instructed to exaggerate symptoms of low back pain. Leavitt F. **J Occup Med** 1987 Mar;29(3):229–33

Accident neurosis revisited. Cohen RI, et al. **Med Sci Law** 1987 Jul;27(3):177–80

Comparative utility of methods for distinguishing functional from organic illness. Roberts AC. **Med Trial Tech Q** 1986; 33(2):197–208

[The simulation of mental disorders. 2. Other psychopathological and psychosociodynamic aspects] Bornstein SJ, et al. **Ann Med Psychol (Paris)** 1986 Feb; 144(2):143–60 (Eng. Abstr.) **(Fre)**

[A case of simulation of vulvar neoplasm by a patient with schizophrenia] Szymański W, et al. **Ginekol Pol** 1987 Feb; 58(2):131–4 (Eng. Abstr.) **(Pol)**

PSYCHOLOGY

Performance of psychiatric inpatients and intellectually deficient individuals on a task that assesses the validity of memory complaints. Goldberg JO, et al. **J Clin Psychol** 1986 Sep;42(5):792–5

Malingering in the military: understanding and treatment of the behavior. Mark M, et al. **Milit Med** 1987 May; 152(5):260–2

[Simulation of mental disorders. 1. Psychopathologic and psychosociodynamic aspects in a military environment] Barrois C. **Ann Med Psychol (Paris)** 1986 Jan;144(1):1–26 (Eng. Abstr.) **(Fre)**

MALLEUS see under **EAR OSSICLES**

MALLOPHAGA

MICROBIOLOGY

[The microflora of goat Mallophaga] Núñez-Sevilla C, et al. **Angew Parasitol** 1987 May;28(2):113–5 (Eng. Abstr.) **(Ger)**

PATHOGENICITY

[Characteristics of the population of biting lice (Mallophaga) in pheasants (Phasianus colchinus L.)] Modrzejewska M. **Wiad Parazytol** 1987;33(1):67–79 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

In vitro culture of Bovicola limbata Gervais, 1844 (Mallophaga), study of its survival and life cycle. Benitez-Rodriguez R, et al. **Folia Parasitol (Praha)** 1986; 33(4):381–4

ULTRASTRUCTURE

[Problems in preparing the antennal sensilla of insects for scanning studies] Kassner J, et al. **Wiad Parazytol** 1987; 33(1):93–7 (Eng. Abstr.) **(Pol)**

MALLORY-WEISS SYNDROME

[Mallory-Weiss syndrome] Pepe G, et al. **Minerva Chir** 1986 Nov 15;41(21):1825–8 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

The Mallory Weiss syndrome. A cause of sudden unexpected death due to massive haematemesis without antecedent vomiting. O'Reilly U, et al. **Ir J Med Sci** 1987 Feb; 156(2):63–4

[Use of balloon catheters for the control of gastroduodenal hemorrhage] Solomatin AD, et al. **Khirurgiia (Mosk)** 1987 Mar;(3):102–5 **(Rus)**

[Emergency diagnosis and surgical treatment of acute gastric hemorrhage in the Mallory-Weiss syndrome] Bratus' VD, et al. **Vestn Khir** 1986 Jul;137(7):26–30 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Snore-induced Mallory-Weiss syndrome. Merrill JR. **J Clin Gastroenterol** 1987 Feb;9(1):88–9

[Mallory-Weiss syndrome in a patient with a heart defect of the tetralogy of Fallot type] Kuhl M, et al. **Wiad Lek** 1986 Jul 1;39(13):899–901 (Eng. Abstr.) **(Pol)**

THERAPY

Balloon tamponade for the control of Mallory-Weiss haemorrhage in patients with coagulation defects. Welch GH, et al. **Br J Surg** 1987 Jul;74(7):610–1

MALNUTRITION see **NUTRITION DISORDERS**

MALOCCLUSION

see related
ORTHODONTICS, CORRECTIVE
PROGNATHISM
RETROGNATHISM

CHEMICALLY INDUCED

Steroid-induced anterior open bite. Case report. Acton CH. **Aust Dent J** 1986 Dec;31(6):455–8

CLASSIFICATION

Malocclusion and facial types in a group of Saudi Arabian patients referred for orthodontic treatment: a preliminary study. Jones WB. **Br J Orthod** 1987 Jul;14(3):143–6

COMPLICATIONS

Mandibular anterior crowding and periodontal disease. el-Mangoury NH, et al. **Angle Orthod** 1987 Jan;57(1):33–8

Obstruction of the pediatric upper airway. Richter HJ.

Ear Nose Throat J 1987 May;66(5):209–11

Associations between articulatory disorders in speech and occlusal anomalies. Laine T. **Eur J Orthod** 1987 May; 9(2):144–50

[Chronic headache and functional disorders of the jaws] Kleinrok M. **Pol Tyg Lek** 1987 Mar 9;42(10):298–303 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

A diagnostic adjunct in treatment planning for the dentofacial deformity patient. Carlotti AE, et al. **Am J Orthod Dentofacial Orthop** 1987 Jun;91(6):451–62

Relationships between swallowing pattern, mode of respiration, and development of malocclusion. Melsen B, et al. **Angle Orthod** 1987 Apr;57(2):113–20

The screening and categorization of patients: a case for natural selection? Robertson NR, et al. **Br J Orthod** 1987 Jul;14(3):181–6

Occlusal, articular and temporomandibular joint dysfunction parameters versus chewing preference during the first chewing cycle. Hoogmartens MJ, et al. **Electromyogr Clin Neurophysiol** 1987 Feb;27(1):7–11

Long term evaluation of orthodontic diagnoses made at the ages of 7 and 10 years. Heikinheimo K, et al. **Eur J Orthod** 1987 May;9(2):151–9

Diagnosis and orthodontic treatment in the mixed dentition. Kossowan AC. **Int J Orthod** 1987 Spring;25(1–2):4–5

Comparison of internal derangements of the TMJ with occlusal findings. Roberts CA, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jun;63(6):645–50

A coordinate-free method for analysing skeletal malocclusions. An application of biorthogonal analysis. Järvinen S. **Proc Finn Dent Soc** 1986;82(3):134–43

The relationship of dental crowding to tooth size, dental arch width, and arch depth. Chang HF, et al. **Proc Natl Sci Counc Repub China [B]** 1986 Oct;10(4):229–35

Malocclusions in physically and/or mentally handicapped children. Oreland A, et al. **Swed Dent J** 1987;11(3):103–19

[Objective assessment of the potentials of therapeutic sagittal action on the maxilla] Courtois J, et al. **Acta Stomatol Belg** 1986 Dec;83(4):257–68 (Eng. Abstr.) **(Fre)**

[Is lower incisor crowding, the classic sign of relapse, normal?] Raberin M, et al. **Orthod Fr** 1985;56(2):609–21 (Eng. Abstr.) **(Fre)**

[Orthodontics] Meng HP. **Schweiz Monatsschr Zahnmed** 1987;97(5):637–40 **(Ger, Fre)**

[Orthodontics] Meng HP. **Schweiz Monatsschr Zahnmed** 1987;97(6):797–800 **(Ger, Fre)**

[Prognostic indicators of further bite development in crowding of the lower incisors] Moorrees CF, et al. **Schweiz Monatsschr Zahnmed** 1986 Sep;96(9):1077–90 (Eng. Abstr.) **(Ger)**

[Clinical importance of bite registration in treating Angle class II with a functional regulator] Falck F. **Zahn Mund Kieferheilkd** 1987;75(2):162–6 (Eng. Abstr.) **(Ger)**

[Cephalometric diagnosis in the treatment of malocclusion with functional appliances] Antolini Z, et al. **Minerva Stomatol** 1987 Apr;36(4):287–90 (Eng. Abstr.) **(Ita)**

[Traumatic open bite. The clinical and therapeutic aspects] Di Paolo C, et al. **Minerva Stomatol** 1986 Jul–Aug; 35(7–8):753–61 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Retrusion of the mandibular dentition. Valinoti JR. **Angle Orthod** 1986 Oct;56(4):269–93

Bilateral lower lip mucoceles: cause of functional malocclusion in a three-year-old child. Meechan JG, et al. **ASDC J Dent Child** 1986 Sep–Oct;53(5):386–7

The effects of spastic cerebral palsy on occlusion. Strodel BJ. **ASDC J Dent Child** 1987 Jul–Aug;54(4):255–60

Open bite [letter] Moloney F. **Aust Dent J** 1987 Apr; 32(2):141–2

A case of thalassaemia major with gross dental and jaw deformities. Weel F, et al. **Br J Oral Maxillofac Surg** 1987 Aug;25(4):348–52

Upper airway problems and pre-orthodontic orthopedics. Petit H. **Ear Nose Throat J** 1987 Jun;66(6):228–36

A marked mandibular deviation caused by abscess of the pterygomandibular space. Furuichi H, et al. **Fukuoka Igaku Zasshi** 1986 Jul;77(7):373–7

Mandibular condylosis and apertognathia as presenting symptoms in progressive systemic sclerosis (scleroderma). Pattern of mandibular bony lesions and atrophy of masticatory muscles in PSS, presumably caused by affected muscular arteries. Ramon Y, et al. **Oral Surg Oral Med Oral Pathol** 1987 Mar;63(3):269–74

Malocclusion in complete unilateral and bilateral cleft lip and palate. The results of a change in the surgical procedure. Mølsted K, et al. **Scand J Plast Reconstr Surg Hand Surg** 1987;21(1):81–5

Facial asymmetry and unstable occlusion due to poliomyelitis. Report of a case. Dahlström L, et al. **Swed Dent J** 1986;10(5):171–4

[Considerations apropos bad habits in children] Boniver A. **Rev Belge Med Dent** 1986 Oct;41(5):167–72 **(Fre)**

[Management of mandibular fractures depending upon occlusal conditions] Gyenes V. **Fogorv Sz** 1987 Apr; 80(4):123–5 (Eng. Abstr.) **(Hun)**

[Interrelation of mouth breathing and maxillodental anomalies in children in the North] Obraztsov IuL, et al. **Stomatologiia (Mosk)** 1986 Nov–Dec;65(6):52–4 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Occlusal morphology in 45,X females. Laine T, et al. **J Craniofac Genet Dev Biol** 1986;6(4):351–5

[Genetics in orthodontics] Sottner L, et al. **Sb Lek** 1987 Jan; 89(1):15–9 (Eng. Abstr.) **(Cze)**

[Dental and maxillary consequences of pyknodysostosis] Doliveux C. **Rev Stomatol Chir Maxillofac** 1986;87(3):150–2 (Eng. Abstr.) **(Fre)**

[The type of heredity and an assessment of the repeated risk of developing open bite] Razumovskiĭ LA, et al. **Stomatologiia (Mosk)** 1987 May–Jun;66(3):61–3 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Streptococcus mutans and lactobacilli frequency in orthodontic patients; the effect of chlorhexidine treatments. Lundström F, et al. **Eur J Orthod** 1987 May;9(2):109–16

OCCURRENCE

Incidence of orthodontic anomalies in school children in Prague 10. Marková M, et al. **Acta Univ Carol [Med] (Praha)** 1985;31(7–8):415–33

Epidemiological findings in Indonesia of orthodontic interest. Schlegel KD, et al. **Anat Anz** 1986;162(4):259–69

Longitudinal study of functional conditions in the masticatory system in Flemish children. de Boever JA, et al. **Community Dent Oral Epidemiol** 1987 Apr;15(2):100–3

The impact of changing patterns in dental diseases on the practice of orthodontics. Künzel W. **Int Dent J** 1987 Jun; 37(2):77–85

A long-term epidemiologic study of the relationship between occlusal factors and mandibular dysfunction in children and adolescents. Egermark-Eriksson I, et al. **J Dent Res** 1987 Jan;66(1):67–71

Craniomandibular disorders in adolescents. A longitudinal study in an urban Swedish population. Wänman A. **Swed Dent J [Suppl]** 1987;44:1–61

[Prevalence of malocclusion and the orthodontic treatment needs of 9-year-old Bern schoolchildren] Ingervall B, et al. **Schweiz Monatsschr Zahnmed** 1987;97(2):191–7 (Eng. Abstr.) **(Ger)**

[Stomatologic morbidity study of children and adolescents in the Burg (b. Magdeburg) district] Götsch F, et al. **Z Gesamte Hyg** 1986 Jul;32(7):415–6 (Eng. Abstr.) **(Ger)**

[Incidence of anomalies and the status of orthodontic care based on random sample surveys of 5061 subjects] Borutta A, et al. **Zahn Mund Kieferheilkd** 1986;74(5):457–63 (Eng. Abstr.) **(Ger)**

[Crossbite--an analysis of 1600 patients] Schmuth GP. **Zahn Mund Kieferheilkd** 1987;75(2):148–53 (Eng. Abstr.) **(Ger)**

[Epidemiologic study in nursery schools of the Verona Commune on the occurrence of dental caries, malocclusion and bad habits that can influence the normal development of facial bone structure in children] Castellani G, et al. **Minerva Stomatol** 1987 Mar;36(3):121–5 (Eng. Abstr.) **(Ita)**

[Prevalence of malocclusion in an orthodontal service] Omaña-Vidal E, et al. **Bol Med Hosp Infant Mex** 1986 Sep;43(9):570–8 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Recording the dental cast in three dimensions. Richmond S. **Am J Orthod Dentofacial Orthop** 1987 Sep;92(3):199–206

Rotational growth and incisor compensation. Perera PS. **Angle Orthod** 1987 Jan;57(1):39–49

Occlusal changes from primary to permanent dentitions. Foster TD, et al. **Br J Orthod** 1986 Oct;13(4):187–93

An analysis of dental arch form. Baluta J, et al. **Eur J Orthod** 1987 May;9(2):165–71

Occlusal changes during and after Herbst treatment: a cephalometric investigation. Pancherz H, et al. **Eur J Orthod** 1986 Nov;8(4):215–28

Classification of centric occlusion disturbances on the basis of intra-oral records. Kleinrok M. **J Dent** 1986 Apr; 14(2):65–9

PHYSIOPATHOLOGY

A polynomial approach to craniofacial growth: description and comparison of adolescent males with normal occlusion and those with untreated Class II malocclusion. Buschang PH, et al. **Am J Orthod Dentofacial Orthop** 1986 Nov; 90(5):437–42

Tongue-thrust and the stability of overjet correction. Andrianopoulos MV, et al. **Angle Orthod** 1987 Apr; 57(2):121–35

A pilot study of the effect of masticatory muscle training on facial growth in long-face children. Ingervall B, et al. **Eur J Orthod** 1987 Feb;9(1):15–23

Investigations on the relation of dysgnathias and S-sound pronunciation. Mehnert T. **J Oral Rehabil** 1987 Jan; 14(1):95–103

The influence of dental occlusion on electromyographic silent periods. Shiau YY, et al. **Proc Natl Sci Counc Repub China [B]** 1987 Jan;11(1):72–9

[Changes in the electromyograph in malocclusal patients] Huang CJ. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jan; 21(1):39–41, 63 (Eng. Abstr.) **(Chi)**

[A cephalometric study of craniofacial skeletal growth in anterior cross-bite malocclusion] Zeng XL. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jan;21(1):8–13, 61 (Eng. Abstr.) **(Chi)**

[Secondary eruption] Botterberg P, et al. **Rev Belge Med Dent** 1987 Feb;42(1):20–4 (Eng. Abstr.) **(Fre)**

[Mandibular angle and orthodontic treatment. Apropos of the possible therapeutic inversion of the direction of rotation of mandibular growth] Fellus P, et al. **Rev Stomatol Chir Maxillofac** 1986;87(3):138–41 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

[Malocclusion in children between 6 and 12 years of age. A statistical study of systematic preventive research between 1959 and 1968 on 40,000 children studied in the Belgian province of East Flanders] Staelens AX. **Fortschr Kieferorthop** 1987 Apr;48(2):94–111 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Social and psychological factors associated with adolescents' self-acceptance of occlusal condition. Brown DF, et al. **Community Dent Oral Epidemiol** 1987 Apr;15(2):70–3

Relationship between malocclusion and maintenance of teeth. Hörup N, et al. **Community Dent Oral Epidemiol** 1987 Apr; 15(2):74–8

[Analysis of orthopedic jaw treatment requirements] Eismann D. **Fortschr Kieferorthop** 1986 Aug;47(4):281–6 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Radiographic examinations of orthodontic educators and practitioners. Atchison KA. **J Dent Educ** 1986 Nov; 50(11):651–5

[Computer-assisted analysis of lateral teleroentgen images] Scherpe A, et al. **Fortschr Kieferorthop** 1987 Jun; 48(3):184–96 (Eng. Abstr.) **(Ger)**

[Comparative structural analysis of refractory and treatable Angle class II/1 malocclusions using x-ray profile films] Sterzik G. **Zahn Mund Kieferheilkd** 1987;75(2):167–73 (Eng. Abstr.) **(Ger)**

[Individual evaluation of the length of the apical basis of the dental arches and the position of the jaws in distal bite and protrusion of the upper anterior teeth] Khoroshilkina Fla, et al. **Stomatologiia (Mosk)** 1986 Sep–Oct;65(5):55–7 (Eng. Abstr.) **(Rus)**

[Age-related characteristics of the maxillodental system in children with a normal bite and in sagittal bite anomalies] Malygin IuM. **Stomatologiia (Mosk)** 1986 Nov–Dec; 65(6):54–8 (Eng. Abstr.) **(Rus)**

[Comparative X-ray cephalometric characteristics of patients with bite anomalies in the 1st and 2d subclasses of Angle's class II] Reva VV, et al. **Stomatologiia (Mosk)** 1987 Jan–Feb;66(1):72–5 (Eng. Abstr.) **(Rus)**

[X-ray cephalometric characteristics of the facial skeleton in open bite] Zhulev EN, et al. **Stomatologiia (Mosk)** 1987 Mar–Apr;66(2):54–8 (Eng. Abstr.) **(Rus)**

SURGERY

Orthognathic surgery for the adult patient with cleft lip and palate. Banks P. **Ann Acad Med Singapore** 1986 Jul; 15(3):346–54

Relapse following surgical treatment of anterior open bite. Lansley CV, et al. **Br J Oral Maxillofac Surg** 1986 Dec; 24(6):391–404

Changes in temporomandibular joint pain-dysfunction after surgical correction of dentofacial anomalies. Magnusson T, et al. **Int J Oral Maxillofac Surg** 1986 Dec;15(6):707–14

Skeletal open bite correction by combined Le Fort I osteotomy and bilateral sagittal split of the mandibular ramus. Lello GE. **J Craniomaxillofac Surg** 1987 Jun; 15(3):132–6

Postero-lateral expansion osteotomy of maxilla. A case report. Merville LC, et al. **J Craniomaxillofac Surg** 1987 Feb;15(1):20–3

Reliability and feasibility of prediction tracing in orthognathic surgery. Pospisil OA. **J Craniomaxillofac Surg** 1987 Apr;15(2):79–83

Transposition of the mental nerve in orthognathic surgery. Kahnberg KE, et al. **J Oral Maxillofac Surg** 1987 Apr; 45(4):315–8

Soft tissue profile changes associated with orthognathic surgery for bimaxillary protrusion. Nadkarni PG. **J Oral Maxillofac Surg** 1986 Nov;44(11):851–4

Satisfaction of patients following surgical-orthodontic correction of skeletal Class III malocclusions. Nagamine T, et al. **J Oral Maxillofac Surg** 1986 Dec;44(12):944–8

[Evaluation of the mid-term results of trident osteotomy using orthodontic goniometry] Boutault F, et al. **Rev Stomatol Chir Maxillofac** 1987;88(1):56–63 (Eng. Abstr.) **(Fre)**

[Planning and implementation of combined orthodontic-surgical treatment in late cases of lip-jaw-palate clefts] Hausamen JE, et al. **Fortschr Kieferorthop** 1986 Dec;47(6):547–57 (Eng. Abstr.)

(Ger)
[A double-splint procedure in preparation for simultaneous surgical correction of the position of the maxilla and mandible] Somsiri ST. **Fortschr Kieferorthop** 1987 Feb; 48(1):59–65 (Eng. Abstr.) (Ger)

THERAPY

The effect of maxillary protraction on front occlusion and facial morphology. Wisth PJ, et al. **Acta Odontol Scand** 1987 Jun;45(3):227–37

Displacement of the glenoid fossa: a cephalometric evaluation of growth during treatment. Agronin KJ, et al. **Am J Orthod Dentofacial Orthop** 1987 Jan;91(1):42–8

Orthopedic/orthodontic treatment of a Class I malocclusion with a Class III skeletal pattern and maxillary deficiency. An American Board of Orthodontics case report. Bond JA. **Am J Orthod Dentofacial Orthop** 1987 May; 91(5):429–37

An American Board of Orthodontics case report. Broadbent JM. **Am J Orthod Dentofacial Orthop** 1987 Jan;91(1):62–9

Concepts on functional appliances' mode of action. Carels C, et al. **Am J Orthod Dentofacial Orthop** 1987 Aug; 92(2):162–8 (54 ref.)

Changes in neuromuscular reflexes in the masseter muscles during functional jaw orthopedic treatment in children. Carels C, et al. **Am J Orthod Dentofacial Orthop** 1986 Nov; 90(5):410–9

A study in human subjects using a new device designed to mimic the protrusive functional appliances used previously in monkeys. DeVincenzo JP, et al. **Am J Orthod Dentofacial Orthop** 1987 Mar;91(3):213–24

Changes in tooth contacts following orthodontic treatment. Durbin DS, et al. **Am J Orthod Dentofacial Orthop** 1986 Nov;90(5):375–82

Cephalometric superimposition on the cranial base: a review and a comparison of four methods. Ghafari J, et al. **Am J Orthod Dentofacial Orthop** 1987 May;91(5):403–13

A cephalometric study of mandibular changes in modified function regulator (Fränkel) treatment. Haynes S. **Am J Orthod Dentofacial Orthop** 1986 Oct;90(4):308–20

Incisor extraction case report. Hinkle F. **Am J Orthod Dentofacial Orthop** 1987 Aug;92(2):94–7

Re: An ABO case report [letter] Kenney CW. **Am J Orthod Dentofacial Orthop** 1987 Sep;92(3):263

Craniofacial characteristics of subjects with normal and postnormal occlusions—a longitudinal study. Kerr WJ, et al. **Am J Orthod Dentofacial Orthop** 1987 Sep;92(3):207–12

Mixed dentition treatment case report. Lee JS, et al. **Am J Orthod Dentofacial Orthop** 1987 Apr;91(4):335–41

Assessment of a method for the prediction of mandibular rotation. Lee RS, et al. **Am J Orthod Dentofacial Orthop** 1987 May;91(5):395–402

A deviate eruption pattern. Lehman R. **Am J Orthod Dentofacial Orthop** 1987 May;91(5):427–8

Correction of deep anterior overbite. A report of three cases. Lewis P. **Am J Orthod Dentofacial Orthop** 1987 Apr; 91(4):342–5

Treatment with an orthopedic appliance system in relation to treatment intensity and growth periods. A study of initial effects. Malmgren O, et al. **Am J Orthod Dentofacial Orthop** 1987 Feb;91(2):143–51

A cephalometric appraisal of nonextraction Begg treatment of Class II malocclusions. Meistrell ME Jr, et al. **Am J Orthod Dentofacial Orthop** 1986 Oct;90(4):286–95

The effect of treatment with functional appliance on a pathologic growth pattern of the condyle. Melsen B, et al. **Am J Orthod Dentofacial Orthop** 1986 Dec;90(6):503–12

Effects of chincap force on the timing and amount of mandibular growth associated with anterior reversed occlusion (Class III malocclusion) during puberty. Mitani H, et al. **Am J Orthod Dentofacial Orthop** 1986 Dec; 90(6):454–63

Role of parental variables in predicting facial growth after treatment of anterior crossbite. Nakasima A, et al. **Am J Orthod Dentofacial Orthop** 1986 Dec;90(6):492–500

An American Board of Orthodontics case report. Pair DE. **Am J Orthod Dentofacial Orthop** 1987 Feb;91(2):137–42

Orthodontic relapse, apical root resorption, and crestal alveolar bone levels. Sharpe W, et al. **Am J Orthod Dentofacial Orthop** 1987 Mar;91(3):252–8

Soft-tissue profile changes resulting from retraction of maxillary incisors. Talass MF, et al. **Am J Orthod Dentofacial Orthop** 1987 May;91(5):385–94

An evaluation of combination second molar extraction and functional appliance therapy. Whitney EF, et al. **Am J Orthod Dentofacial Orthop** 1987 Mar;91(3):183–92

An American Board of Orthodontics case report. Zizza P. **Am J Orthod Dentofacial Orthop** 1986 Oct;90(4):342–9

Self-correction of anterior openbite after glossectomy in a young rhesus monkey. Bernard CL, et al. **Angle Orthod** 1987 Apr;57(2):137–43

Orthodontic/orthopaedic adjunct of fixed orthodontic appliances. Loh KW. **Ann Acad Med Singapore** 1986 Jul; 15(3):397–402

Interceptive orthodontics: application and outcome in a demand population. Chung CK, et al. **Br Dent J** 1987 Jan 24;162(2):73–6

The treatment study group of the BSSO. A case report. Brenchley ML. **Br J Orthod** 1986 Oct;13(4):237–45

A high pull torquing auxiliary for use with the Begg appliance. Hale LR. **Br J Orthod** 1987 Jul;14(3):169–73

A long-term follow-up of four cases treated with the Andresen appliance. Hale LR, et al. **Br J Orthod** 1986 Oct; 13(4):195–208

Treatment study group—case report. Hall AM. **Br J Orthod** 1987 Jan;14(1):49–57

The treatment of bimaxillary protrusion. A cephalometric consideration of changes in the inter-incisal angle and soft tissue profile. Keating PJ. **Br J Orthod** 1986 Oct; 13(4):209–20

Validity and reproducibility of rating dental attractiveness from study casts. Woolass KF, et al. **Br J Orthod** 1987 Jul;14(3):187–90

Prosthodontic management of temporomandibular joint dysfunction syndrome: report of cases. Wang YY. **Chin Med J [Engl]** 1986 Sep;99(9):741–6

Orthodontic management of the patient with cleft lip and palate. Moore RN. **Ear Nose Throat J** 1986 Aug; 65(8):46–58

Long term results of orthodontic treatment. A clinical view. 2. Brouwer H, et al. **Eur J Orthod** 1987 Feb;9(1):33–42

Changes in soft tissue profile during and after orthodontic treatment. Finnöy JP, et al. **Eur J Orthod** 1987 Feb; 9(1):68–78

The role of the general practitioner and the orthodontist in the provision of orthodontic care. Linge L. **Int Dent J** 1987 Jun;37(2):86–90

The role of the orthodontist in the treatment of adolescents with orofacial clefts. Markovic M. **Int Dent J** 1986 Sep; 36(3):131–9

An essay on retention. Spika FX. **Int J Orthod** 1987 Spring; 25(1–2):15–6

Periodontal status of secondary crowded mandibular incisors. Long-term results after orthodontic treatment. Artun J, et al. **J Clin Periodontol** 1987 May;14(5):261–6

Improving oral functioning in a congenital spinal atrophy patient by occlusal rehabilitation. Bernstein I, et al. **NY State Dent J** 1987 Jan;53(1):24–6

Maxillary expansion of unilateral cross-bite in preschool children. Lindner A, et al. **Scand J Dent Res** 1986 Oct; 94(5):411–8

[Effect of class III appliances on the hard and soft tissue profile with skeletal anterior cross-bite in the early stage] Lin JX. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Mar; 21(2):78–81 (Chi)

[Recurrence in orthodontics] Bourgoin G, et al. **Orthod Fr** 1985;56(1):7–110 (Fre)

[The relapse in orthodontics. A discussion] Bourgoin G. **Orthod Fr** 1985;56(2):319–46 (Fre)

[Class II and incisor repositioning] Giordanetto J. **Orthod Fr** 1985;56(2):441–6 (Fre)

[Treatment of class II without incisor repositioning] Radziminski G. **Orthod Fr** 1985;56(2):447–55 (Fre)

[The rectangular arch technic] Sedennes V. **Orthod Fr** 1985; 56(2):477–80 (Fre)

[Orthodontics and surgical treatment] Ganigal A, et al. **Rev Stomatol Chir Maxillofac** 1986;87(4):218–22 (Eng. Abstr.) (Fre)

[Motivation as the decisive factor in the treatment of adults] Berg R. **Fortschr Kieferorthop** 1986 Aug;47(4):287–94 (Eng. Abstr.) (Ger)

[The elastic-open Klammt activator—results of follow-up] Bredy E, et al. **Fortschr Kieferorthop** 1987 Apr;48(2):87–93 (Eng. Abstr.) (Ger)

[The lower incisor as the object of extraction] Bredy E, et al. **Fortschr Kieferorthop** 1987 Jun;48(3):167–73 (Eng. Abstr.) (Ger)

[Orthodontic treatment of adult patients—counseling and monitoring] Cudovic B, et al. **Fortschr Kieferorthop** 1987 Feb;48(1):52–8 (Eng. Abstr.) (Ger)

[Retention measures and interim tooth replacement following treatment of lip, jaw and palate clefts] Hinz R. **Fortschr Kieferorthop** 1986 Dec;47(6):529–39 (Eng. Abstr.) (Ger)

[Morphologic criteria of indications in treatment using Ascher's bionator modification] Janson I. **Fortschr Kieferorthop** 1987 Apr;48(2):71–86 (Eng. Abstr.) (Ger)

[Theoretical approaches for improved motivation of orthodontic patients] Klages U, et al. **Fortschr Kieferorthop** 1987 Apr;48(2):112–6 (Eng. Abstr.) (Ger)

[Prevention of dental caries in orthodontic therapy: synthetic orthodontic materials with fluoride-storing function] Miethke RR, et al. **Fortschr Kieferorthop** 1987 Jun; 48(3):161–6 (Eng. Abstr.) (Ger)

[Psychological determinants of compliance in orthodontic patients—a contribution to the question of cooperative prognosis] Sergl HG, et al. **Fortschr Kieferorthop** 1987 Apr; 48(2):117–22 (Eng. Abstr.) (Ger)

[Is orthodontic correction in late cases of Angle class II(2) possible with functional orthodontic appliances?] Stefani E, et al. **Fortschr Kieferorthop** 1987 Jun;48(3):154–60 (Eng. Abstr.) (Ger)

[Effects of activators in class II division 1 therapy] Ulgen M, et al. **Fortschr Kieferorthop** 1987 Feb;48(1):41–51 (Eng. Abstr.) (Ger)

[Correction of overbite by the edgewise technic] Ulgen M, et al. **Fortschr Kieferorthop** 1987 Jun;48(3):147–53 (Eng. Abstr.) (Ger)

[Comparison of various new mechanisms for retaining metal bracket bases] Weissenberg J, et al. **Fortschr Kieferorthop** 1987 Apr;48(2):132–44 (Eng. Abstr.) (Ger)

[Class II treatment. Guidelines for class II treatment with the activator-headgear combination] Teuscher U. **Schweiz Monatsschr Zahnmed** 1987;97(5):614–7 (Ger)

[Management of micrognathism with the modified quad-helix appliance] Radóczy B, et al. **Fogorv Sz** 1986 Sep; 79(9):267–70 (Eng. Abstr.) (Hun)

[Correction of the palatal position of the anterior teeth in the maxilla with removable appliances having vestibular springs] Iandola BV, et al. **Stomatologiia (Mosk)** 1986 Sep–Oct;65(5):70–2 (Rus)

VETERINARY

Orthodontics for the dog. Bite evaluation, basic concepts, and equipment. Ross DL. **Vet Clin North Am [Small Anim Pract]** 1986 Sep; 16(5):955–66

Orthodontics for the dog. Treatment methods. Ross DL. **Vet Clin North Am [Small Anim Pract]** 1986 Sep; 16(5):939–54

Spontaneous pathology of the European hamster (Cricetus cricetus). Malocclusion, dysplastic and inflammatory processes on the jaws. Kunstýr I, et al. **Z Versuchstierkd** 1987;29(3–4):171–80

MALOCCLUSION, ANGLE CLASS I see under **MALOCCLUSION**

MALOCCLUSION, ANGLE CLASS II see under **MALOCCLUSION**

MALOCCLUSION, ANGLE CLASS III see under **MALOCCLUSION**

MALONATES

Immunological detection of low-density lipoproteins modified by malondialdehyde in vitro or in vivo. Salmon S, et al. **Biochim Biophys Acta** 1987 Aug 15;920(3):215–20

Lipoperoxides in plasma as measured by liquid-chromatographic separation of malondialdehyde-thiobarbituric acid adduct. Wong SH, et al. **Clin Chem** 1987 Feb;33(2 Pt 1):214–20

The development of an 191Os——191mIr generator using an osmium chelate parent complex—I. Trans-dioxobismalonatoosmate(VI). Packard AB, et al. **Int J Rad Appl Instrum [B]** 1986;13(5):519–22

Estimation of apparent quadrupolar coupling constants for complexes of magnesium ions with mono- and dicarboxylic acid ligands. Applications to magnesium ion: protein interactions. Koehler LS, et al. **J Inorg Biochem** 1987 Feb; 29(2):153–64

Spontaneous release of malondialdehyde from ultraviolet light exposed liposomal membranes. Agarwal S, et al. **Z Naturforsch [C]** 1987 May;42(5):585–8

ANALYSIS

High-performance liquid chromatography analysis of the thiobarbituric acid adducts of malonaldehyde and trans,trans-muconaldehyde. Yu LW, et al. **Anal Biochem** 1986 Aug 1;156(2):326–33

Copper-containing IUDs are not associated with an increase of malondialdehyde levels in cervical mucus. Bull AW, et al. **Contraception** 1987 Jan;35(1):49–55

Neutrophil malondialdehyde content as an indicator of activation during cardiopulmonary bypass. Fleming JS, et al. **Life Support Syst** 1986 Jul–Sep;4(3):257–61

Measurement of free and bound malondialdehyde in vitamin E-deficient and -supplemented rat liver tissues. Lee HS, et al. **Lipids** 1987 Feb;22(2):104–7

Butylated hydroxytoluene addition improves the thiobarbituric acid assay for malonaldehyde from chicken plasma fat. Pikul J, et al. **Nahrung** 1986;30(7):673–8

[Protective effect of propyl gallic acid on the swelling and lipid peroxidation of rat liver mitochondria] Wang JF, et al. **Yao Hsueh Hsueh Pao** 1986 Nov;21(11):857–60 (Eng. Abstr.) (Chi)

[Lipid peroxidation in the tissues of animals as an index of the biological aggressiveness of welding aerosols] Geleskul IuF, et al. **Vrach Delo** 1987 Jun;(6):108–10 (Eng. Abstr.) (Rus)

[Clinico-electrographic correlates of free radical pathology in epileptic patients] Shakarashvili RR. **Zh Nevropatol Psikhiatr** 1987;87(6):825–8 (Eng. Abstr.) (Rus)

BIOSYNTHESIS

In vitro study of paraquat effects on malondialdehyde formation in thymus cells. Kirkova M, et al. **Acta Physiol Pharmacol Bulg** 1986;12(3):50–7

Malondialdehyde production from spermine by homogenates of normal and transformed cells. Quash G, et al. **Biochimie** 1987 Feb;69(2):101–8

BLOOD

Bilateral lucency of the globus pallidus complicating methylmalonic acidemia. Korf B, et al. **Ann Neurol** 1986 Sep;20(3):364–6

Methylmalonic acid, methanol, metabolic acidosis, and lesions of the basal ganglia [letter] Rosenberg NL. **Ann Neurol** 1987 Jul;22(1):96–7

Serum malanodialdehyde (TBA reactive substance) levels in

cigarette smokers. Nadiger HA, et al. **Atherosclerosis** 1987 Mar;64(1):71–3

Elevated malonyldialdehyde levels, altered membrane lipid asymmetry, and hypercoagulability of erythrocytes from newborn infants. Jain SK. **Biomed Biochim Acta** 1987; 46(2–3):S21–5

The influence of cod-liver oil diet on various lipid metabolism parameters, the thromboxane formation capacity, platelet function and the serum MDA level in patients suffering from myocardial infarction. Kahl PE, et al. **Cor Vasa** 1987;29(3):199–208

Increased platelet malondialdehyde, but normal platelet sensitivity to adenosine-5-diphosphate and prostacyclin in well-controlled type 1 diabetics without vascular complications. Gisinger C, et al. **Diabetes Res** 1986 Oct; 3(8):401–5

Are indices of free radical damage related to exercise intensity. Lovlin R, et al. **Eur J Appl Physiol** 1987; 56(3):313–6

Gas chromatographic analysis of phenylethylmalonamide in human plasma. Streete JM, et al. **J Chromatogr** 1987 May 15;416(2):281–91

Biochemical analysis of intact fibroblasts from two cases with methylmalonic acidaemia. Kakinuma H, et al. **J Inherited Metab Dis** 1985;8(3):151–2

An evaluation of protein requirements in methylmalonic acidaemia. Ney D, et al. **J Inherited Metab Dis** 1985; 8(3):132–42

The role of lipid in the management of methylmalonic acidaemia: administration of linoleic acid does not increase excretion of methylmalonic acid. Wolff JA, et al. **J Inherited Metab Dis** 1985;8(3):100

Malonate transport in human red blood cells. Hajjawi OS, et al. **Mol Cell Biochem** 1987 May;75(1):43–9

[Study of a marker of free radical activity in myocardial infarction and in the prodromal syndrome] Fechner J, et al. **Ann Cardiol Angeiol (Paris)** 1986 Oct 15;35(7 Pt 2):435–8 (Eng. Abstr.) **(Fre)**

[Serum levels of malondialdehyde and antioxidant activity in patients with chronic renal failure] Asaka S. **Nippon Jinzo Gakkai Shi** 1986 Oct;28(10):1359–70 (Eng. Abstr.) **(Jpn)**

[Effect of temperature and preservation time on the aggregation and MDA level of blood platelets] Stachecki B, et al. **Acta Haematol Pol** 1986 Jul–Dec;17(3–4):122–30 (Eng. Abstr.) **(Pol)**

[Value of the rate of malondialdehyde accumulation in erythrocytes in the diagnosis of membrane disorders in the premature infant] Prishchepova NF, et al. **Pediatriia** 1986 Dec;(12):12–5 (Eng. Abstr.) **(Rus)**

[Status of membrane lipid peroxidation in exudative-catarrhal diathesis in children] Sharobaro VE, et al. **Pediatriia** 1986 Sep;(9):71–2 **(Rus)**

[Malondialdehyde, alpha-tocopherol and retinol content of the blood serum in male diabetics] Gribauskas PS, et al. **Probl Endokrinol (Mosk)** 1986 Jul–Aug;32(4):46–9 (Eng. Abstr.) **(Rus)**

[Relation between the clinical course of Duhring's herpetiform dermatitis and the degree of free-radical lipid oxidation] Mirzoev IuA, et al. **Vestn Dermatol Venerol** 1986;(9):19–22 (Eng. Abstr.) **(Rus)**

[Value of studying lipid peroxidation processes in glaucoma] Zavadskaia IuS, et al. **Vestn Oftalmol** 1986 Sep–Oct; 102(5):6–8 (Eng. Abstr.) **(Rus)**

[Level of substances reacting with 2-thiobarbituric acid in the plasma of healthy people and patients with various endocrine diseases] Tishenina RS. **Vopr Med Khim** 1987 Jan–Feb;33(1):72–5 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Prostaglandin-H synthase inhibition by malonamides. Ring-opened analogues of phenylbutazone. Vennerstrom JL, et al. **J Med Chem** 1987 Feb;30(2):434–7

IMMUNOLOGY

Immunogenicity of malondialdehyde-modified low density lipoproteins. Studies with monoclonal antibodies. Gonen B, et al. **Atherosclerosis** 1987 Jun;65(3):265–72

METABOLISM

Glutathione peroxidase and reactive oxygen species in TCDD-induced lipid peroxidation. Stohs SJ, et al. **Adv Exp Med Biol** 1986;197:357–65

Distinct temporal relation among oxygen uptake, malondialdehyde formation, and low-level chemiluminescence during microsomal lipid peroxidation. Noll T, et al. **Arch Biochem Biophys** 1987 Jan;252(1):284–91

A malonyl-CoA-binding protein from liver. Dugan RE, et al. **Biochem Biophys Res Commun** 1987 Aug 31; 147(1):234–41

Effect of oxygen tension on the generation of alkanes and malondialdehyde by peroxidizing rat liver microsomes. Reiter R, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):925–9

Reaction of malonaldehyde with nucleic acid. III. Studies of the fluorescent substances released by enzymatic digestion of nucleic acids modified with malonaldehyde. Seto H, et al. **Chem Pharm Bull (Tokyo)** 1986 Dec; 34(12):5079–85

Antioxidant enzyme activities and malondialdehyde, glutathione and methemoglobin concentrations in channel catfish exposed to DEF and n-butyl mercaptan. Mather-Mihaich E, et al. **Comp Biochem Physiol [C]** 1986; 85(2):427–32

Changes in the levels of coenzyme Q homologues, alpha-tocopherol and malondialdehyde in human tissue during the course of circulatory shock. Corbucci GG, et al. **Int J Tissue React** 1986;8(5):421–30

Excessive excretion of beta-alanine and of 3-hydroxypropionic, R- and S-3-aminoisobutyric, R- and S-3-hydroxyisobutyric and S-2-(hydroxymethyl)butyric acids probably due to a defect in the metabolism of the corresponding malonic semialdehydes. Pollitt RJ, et al. **J Inherited Metab Dis** 1985;8(2):75–9

Modification of iron uptake and lipid peroxidation by hypoxia, ascorbic acid, and alpha-tocopherol in iron-loaded rat myocardial cell cultures. Hershko C, et al. **J Lab Clin Med** 1987 Sep;110(3):355–61

Comparison of the malondialdehyde formation in megakaryocytes and platelets after in vivo and in vitro administration of aspirin. Saigo K, et al. **Nippon Ketsueki Gakkai Zasshi** 1987 Feb;50(1):138–47

Silver-induced lipid peroxidation in mice: interactions with selenium and nickel. Rungby J. **Toxicology** 1987 Aug; 45(2):135–42

[Effect of sodium ferulate on malondialdehyde production from the platelets of rats] Yin ZZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jul;7(4):336–9 (Eng. Abstr.) **(Chi)**

[An ex-vivo technic for the pharmacologic evaluation of potential antiphlogistics by ex-vivo determination of the rate of malondialdehyde (MDA) formation using rat platelets] Schmollack W, et al. **Pharmazie** 1986 Jun; 41(6):395–7 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Induction of serum lipid peroxidation in chickens. Smith TL, et al. **Artery** 1986;14(1):30–4

Increased adenylate energy charges in rat liver or primary cultured rat hepatocytes by diisopropyl 1,3-dithiol-2-ylidenemalonate. Itakura M, et al. **Gen Pharmacol** 1987;18(1):13–5

Effect of free malonate on the utilization of glutamate by rat brain mitochondria. Koeppen AH, et al. **J Neurochem** 1987 May;48(5):1509–15

Activation of mitochondrial functions by malotilate in relation to accelerated liver regeneration in partially hepatectomized rats. Niwano Y, et al. **Jpn J Pharmacol** 1986 Dec;42(4):525–9

[Protective effect of malotilate (diisopropyl 1,3-dithiol-2-ylidenemalonate) on chemical-induced hepatotoxicity] Nokata M, et al. **J Toxicol Sci** 1986 Aug; 11(3):225–36 (Eng. Abstr.) **(Jpn)**

[Interaction of 2-alkylmalonates with dicarboxylate carrier in intact mitochondria] Sholts KF, et al. **Doki Akad Nauk SSSR** 1987;294(6):1509–12 **(Rus)**

THERAPEUTIC USE

Hepatoprotection by malotilate against carbon tetrachloride-alcohol-induced liver fibrosis. Siegers CP, et al. **Agents Actions** 1986 Aug;18(5–6):600–3

Effect of malotilate on chronic liver injury induced by carbon tetrachloride in the rat. Dumont JM, et al. **J Hepatol** 1986; 3(2):260–8

Anti-fibrotic effect of malotilate on liver fibrosis induced by carbon tetrachloride in rats. Igarashi S, et al. **Jpn J Exp Med** 1986 Oct;56(5):235–45

[Free radical scavenging agents in myocardial protection during cardiac surgery] Menasche P, et al. **Ann Cardiol Angeiol (Paris)** 1986 Oct 15;35(7 Pt 2):447–52 (Eng. Abstr.) **(Fre)**

TOXICITY

The role of cyclic nucleic acid adducts in the mutational specificity of malondialdehyde and beta-substituted acroleins in Salmonella. Marnett LJ, et al. **IARC Sci Publ** 1986;(70):175–83

Relationship between translobular migration in perfused rat liver and hydrophobicity of dialkyl dithiolanylidenemalonates and related compounds. Murakami N, et al. **Xenobiotica** 1987 Feb;17(2):241–9

URINE

Failure of lysosomal release of vitamin B12: a new complementation group causing methylmalonic aciduria (cblF). Watkins D, et al. **Am J Hum Genet** 1986 Sep; 39(3):404–8

Isotope-dilution assay for urinary methylmalonic acid in the diagnosis of vitamin B12 deficiency. A prospective clinical evaluation. Matchar DB, et al. **Ann Intern Med** 1987 May; 106(5):707–10

Methylmalonic aciduria and propionic acidaemia studied by proton nuclear magnetic resonance spectroscopy. Iles RA, et al. **Clin Chim Acta** 1986 Dec 15;161(2):173–89

Quantitation of urinary methylmalonic acid by gas chromatography mass spectrometry and its clinical applications. Ho CH, et al. **Eur J Haematol** 1987 Jan; 38(1):80–4

A new case of methylmalonic aciduria with unexplained negative urinary methylmalonic colorimetric test. Charpentier C, et al. **J Inherited Metab Dis** 1986;9(4):408–9

Riboflavin-responsive ethylmalonic-adipic aciduria. Green A, et al. **J Inherited Metab Dis** 1985;8(2):67–70

New urinary methylmalonic acid test is a sensitive indicator of cobalamin (vitamin B12) deficiency: a solution for a major unrecognized medical problem [letter] Norman EJ. **J Lab Clin Med** 1987 Sep;110(3):369–70

Sudden infant death syndrome and multiple acyl-coenzyme A dehydrogenase deficiency, ethylmalonic-adipic aciduria, or systemic carnitine deficiency. Harpey JP, et al. **J Pediatr** 1987 Jun;110(6):881–4

Methylmalonic aciduria in an infant of a mother with undiagnosed pernicious anaemia [letter] Silberstein EP, et al. **Med J Aust** 1987 Mar 16;146(6):329–30

Organic aciduria in rats fed high amounts of xylitol or sorbitol. Hämäläinen MM. **Toxicol Appl Pharmacol** 1987 Sep 15;90(2):217–26

[Carnitine in the treatment of methylmalonic aciduria (MMA)] Penn D, et al. **Monatsschr Kinderheilkd** 1986 Oct; 134(10):758–61 (Eng. Abstr.) **(Ger)**

MALONDIALDEHYDE see under **MALONATES**

MALONYL COENZYME A see under **ACYL COENZYME A**

MALPIGHIAN TUBULES see under **CLOACA**

MALPRACTICE

see related
INSURANCE, LIABILITY

Malpractice and radiologists, update 1986 [letter] Applebaum M. **AJR** 1987 Apr;148(4):830–1

Setting the record straight [editorial] **Am Fam Physician** 1986 Oct;34(4):75–6

Legal and ethical pitfalls in family practice psychiatry. Schwartz HI. **Am Fam Physician** 1987 May;35(5):103–8

Thoughts on medical malpractice. Rywlin AM. **Am J Dermatopathol** 1986 Aug;8(4):360–1

DTP vaccine litigation [letter] **Am J Dis Child** 1986 Dec; 140(12):1210–1

Obstetric malpractice litigation: the pathologist's view. Towbin A. **Am J Obstet Gynecol** 1986 Nov;155(5):927–35

A medicolegal case of acoustic neuroma surgery. Rose RM. **Am J Otol** 1986 Sep;7(5):387–92

Polypharmacy [letter] Ostow M. **Am J Psychiatry** 1987 Jun; 144(6):825–6

The effect of malpractice paranoia on medical practice [letter] Stern RC. **Am Rev Respir Dis** 1987 Sep;136(3):789

Practical and philosophical considerations of the physician-patient relationship. Kraushar MF. **Ann Ophthalmol** 1987 Mar;19(3):83–4

Performance of routine OR nursing activities can be the deciding factor in determining negligence. Murphy EK. **AORN J** 1986 Nov;44(5):850, 852, 854

'Captain of the Anesthesia Ship': does it make a difference? [letter] Blumenreich GA. **Arch Surg** 1987 Sep;122(9):1088–9

Ending "forensic blind man's buff" Dyer C. **Br Med J [Clin Res]** 1987 May 30;294(6584):1407–8

Medicolegal dystocia. Cetrulo CL, et al. **Clin Obstet Gynecol** 1987 Mar;30(1):106–13

Malpractice liability and drug therapy. Brest AN. **Clin Ther** 1987;9(2):138–40

Malpractice and the physician patient relationship. Kraushar MF. **Compr Ther** 1987 Jun;13(6):3–4

Hospital privileges: speak softly, but carry a big lawyer. Chenen AR. **Conn Med** 1986 Aug;50(8):541–3

Hospital liability in malpractice cases for negligence in the granting and renewal of medical staff membership and clinical privileges. Eisner JM. **Conn Med** 1986 Aug; 50(8):519–20

The Medical Society of Delaware Blue Ribbon Panel Report on the malpractice crisis. **Del Med J** 1987 Jul;59(7):439–48, 453–66

Malpractice in Pennsylvania. Burr CB 2d. **Dent Clin North Am** 1987 Jan;31(1):157–71

The Joseph M. Mathews oration. The plight of medicine. Castro AF. **Dis Colon Rectum** 1986 Oct;29(10):619–23

What bad apples? Weisse AB. **Hosp Pract [Off]** 1987 May 30;22(5A):54–6

Heed consumers on malpractice to avoid suits. Nelson S. **Hospitals** 1987 Sep 20;61(18):64

Will the malpractice pocket become deeper? Powills S. **Hospitals** 1987 Feb 20;61(4):72, 74

Coping with the stress of malpractice litigation. Wilbert JR, et al. **IMJ** 1987 Jan;171(1):23–7

Professional liability: more than a pocketbook issue. Khalouf ST. **Indiana Med** 1987 Jun;80(6):566–7

The liability of the radiopharmacist and the nuclear physician in the use of radiopharmaceuticals. Coustou F. **Int J Rad Appl Instrum [B]** 1986;13(2):227–30

Before and after a lawsuit: risk management checklist. Finley TA. **Iowa Med** 1987 May;77(5):222–3

Risk management in everyday practice. Raines E. **Iowa Med** 1987 May;77(5):224–6

Risk management: a general overview. Recinos PR. **Iowa Med** 1987 May;77(5):220–1

Liability and the primary care optometrist. Classé JG. **J Am Optom Assoc** 1986 Dec;57(12):926–8

Liability for dilation [letter] Lynch WA Jr. **J Am Optom Assoc** 1986 Dec;57(12):882–3

A review of professional liability claims in optometry. Scholles JR. **J Am Optom Assoc** 1986 Oct;57(10):764–6

Clinical and legal considerations in the diagnosis and management of ocular tumors. Semes L, et al. **J Am Optom Assoc** 1987 Feb;58(2):134–9
Malpractice insurance—some legal considerations. Hannah HW. **J Am Vet Med Assoc** 1987 Jul 1;191(1):32–3
Legal and ethical responsibilities: an instructional developer's viewpoint [editorial] Adsit KI. **J Biocommun** 1987 Spring; 14(2):2–3
Counterattack—medical malpractice. Plumeri PA. **J Clin Gastroenterol** 1987 Apr;9(2):238–41
Defensive medicine and the malpractice climate [letter] Danzig MD. **J Fla Med Assoc** 1987 Jul;74(7):474–5
Barriers to effective medical discipline and some possible solutions. Feinstein RJ. **J Fla Med Assoc** 1986 Nov; 73(11):861–5
You and malpractice stress: III. Two spouses' views. **J Med Assoc Ga** 1986 Dec;75(12):723–5
You and malpractice stress: V. A death in the family. Fokes EC. **J Med Assoc Ga** 1987 Feb;76(2):115–6
Preventive legal maintenance. Feutz SA. **J Nurs Adm** 1987 Jan;17(1):8–10
"Telling it like it is" [editorial]Laskin DM. **J Oral Maxillofac Surg** 1986 Oct;44(10):757
Orthopaedic manholes and rabbit holes: some thoughts on medical negligence. Thomas TG. **J R Soc Med** 1986 Dec; 79(12):701–7
Good rapport and good record: antidote for litigation. Avery JK. **J Tenn Med Assoc** 1986 Oct;79(10):646
Who's to say? Avery JK. **J Tenn Med Assoc** 1986 Dec; 79(12):768
Defensive medicine [letter] Kapp MB. **JAMA** 1987 Sep 4; 258(9):1176
Treatment of drug addiction [letter] **Lancet** 1987 Feb 28; 1(8531):509–10
Doctor's duty of care to give advice in therapeutic and non-therapeutic contexts. Brahams D. **Lancet** 1987 May 2;1(8540):1045
The evils of delay. Brahams D. **Lancet** 1987 Jul 4; 2(8549):51–2
Small loss of chance of full recovery. Brahams D. **Lancet** 1987 Aug 8;2(8554):347
A doctor's inexperience is no defence to a claim for negligence. Brahams D. **Lancet** 1986 Dec 6;2(8519):1346–7
"Serious professional misconduct" in relation to private treatment of drug dependence. Brahams D. **Lancet** 1987 Feb 7;1(8528):340–1
Clinical guidelines, medical litigation, and the current medical defence system. Harvey IM, et al. **Lancet** 1987 Jan 17;1(8525):145–7
Legal interference and clinical freedom [letter] Tomlin PJ. **Lancet** 1986 Dec 6;2(8519):1337
The looming storm [editorial] Gerber P, et al. **Med J Aust** 1987 Apr 6;146(7):337–8
Physician countersuits. A chronology of losses and wins. Part I. Hirsh HL. **Med Law** 1987;6(1):13–21 (49 ref.)
Physician countersuits. A chronology of losses and wins. Part III. Hirsh HL. **Med Law** 1987;6(1):35–44 (13 ref.)
Physician countersuits. A chronology of losses and wins. Part II. Hirsh HL. **Med Law** 1987;6(1):23–33 (76 ref.)
Dealing with errors of clinical judgment. Bolt D. **Med Leg J** 1986;54 (Pt 4):220–35
Board of Medicine received 225 allegations last year. DeKornfeld TJ. **Mich Med** 1987 Apr;86(4):233–4
Saving a life brings malpractice to mind. Galvin M. **Mich Med** 1986 Oct;85(10):562
Malpractice or unwanted results? Vincent CC. **Mich Med** 1987 Mar;86(3):162
Medicolegal ramifications of surgical practice [letter] Thompson IM, et al. **Milit Med** 1986 Dec;151(12):670–1
Malpractice claim review. Ob/Gyn. MMIE Risk Management Committee. Sanders PS. **Minn Med** 1987 May;70(5):296
MMIE malpractice claim review. Orthopedic surgery. MMIE Risk Management Committee. Sanders PS. **Minn Med** 1986 Sep;69(9):535–6
MMIE malpractice claim review. General surgery. Sanders PS. **Minn Med** 1986 Nov;69(11):675–6
MMIE malpractice claim review. Family practice. MMIE Risk Management Committee. Sanders PS. **Minn Med** 1986 Oct;69(10):609
Policing the practice of medicine [letter] Nagy BR. **NC Med J** 1987 May;48(5):283
A review of urologic medical malpractice claims in New Jersey, 1977 to 1984. Milsten R, et al. **NJ Med** 1986 Nov; 83(11):723–4
Reducing your risk of a malpractice claim. Florentz C. **NY State Dent J** 1987 Apr;53(4):35–6
Medical malpractice and foreign medical graduates. Imperato PJ. **NY State J Med** 1986 Oct;86(10):507–8
The designated defendant. Rochelson B, et al. **Obstet Gynecol** 1987 Oct;70(4):662–3
How to keep yourself out of the courtroom. Edwards ES. **Ohio Med** 1987 Jun;83(6):391–4
So you're being sued for malpractice .... Porter S. **Ohio Med** 1987 Jun;83(6):395–6, 399–403
Gift to a litigious society [letter] Sapire DW, et al. **Pediatrics** 1987 Jul;80(1):127
Liability for generic substitution. Gordinier RH. **Postgrad Med** 1987 Feb 15;81(3):13, 16, 21
High-dose therapy and risk of malpractice suit [letter] Wall V. **Postgrad Med** 1987 Sep 1;82(3):34
Public relations and the malpractice crisis. **RI Med J** 1986 Aug;69(8):357–9
The present condition of medical practice in Rhode Island and the outlook for the future. Rakatansky H. **RI Med J** 1986 Aug;69(8):365–8
The law and Lewis Carroll [editorial] Kurtzman NA. **Semin Nephrol** 1986 Mar;6(1):1–2
Liability and insurance issues. Bergin MA. **Top Health Care Financ** 1986 Fall;13(1):57–68
Racehorse treatment warning [letter] Foster CN. **Vet Rec** 1987 Jul 25;121(4):91
[Peridural obstetrical analgesia. One of 4 parties at medicolegal risk for the other 3 partners] Soutoul JH, et al. **Rev Fr Gynecol Obstet** 1986 Oct;81(10):571–80 **(Fre)**
[Legal and social responsibilities of the psychiatrist within the public health service] Merra S. **Minerva Med** 1986 Sep 15;77(34–35):1585–92 (Eng. Abstr.) **(Ita)**
[A case of intravenous injection of Maalox—pathological and X-ray microanalytical studies from an autopsy and in experimental cases] Tanabe R, et al. **Nippon Hoigaku Zasshi** 1987 Feb;41(1):56–62 (Eng. Abstr.) **(Jpn)**
[Public opinion concerning the performance of public health institutions] Guotkh Z. **Sov Zdravookhr** 1986;(11):51–3 **(Rus)**
[Malpractice (editorial)] Martínez-Berganza Asensio A. **Med Clin (Barc)** 1987 Apr 11;88(14):546–8 **(Spa)**

ECONOMICS

More about malpractice [editorial] Pecora DV. **Del Med J** 1987 Jun;59(6):397–8
Liability reshapes hospital/physician relationships. Burda D. **Hospitals** 1987 Apr 5;61(7):56–60
Malpractice crisis blamed on patients: survey. Steiber SR. **Hospitals** 1987 Jun 5;61(11):63
Sovereign immunity. Perry JB. **J Fla Med Assoc** 1986 Nov; 73(11):827–8
An overview of Florida's medical liability in 1984. Phillips JF. **J Fla Med Assoc** 1987 Mar;74(3):197–204
An alternate proposal for compensating injuries occurring in the health care delivery system. Wedekind CL Jr. **J Ky Med Assoc** 1987 Jun;85(6):317–22
The bare facts about going naked. Constantine RP Jr, et al. **J Med Assoc Ga** 1986 Nov;75(11):680–2
Defensive medicine: it costs, but does it work? [editorial] Harris JE. **JAMA** 1987 May 22–29;257(20):2801–2
The cost of medical professional liability. Reynolds RA, et al. **JAMA** 1987 May 22–29;257(20):2776–81
How will tort reform affect professional liability premiums? Leitch RM. **Mich Med** 1986 Aug;85(8):423–4
The professional liability crisis. The 1986 Duke Private Sector Conference. Iglehart JK. **N Engl J Med** 1986 Oct 23;315(17):1105–8
Evaluating the impact of the 1986 New York State liability legislation. Foy DF. **NY State J Med** 1987 Feb;87(2):85–7
Medical liability premiums in Great Britain [letter] Tyner JR. **NY State J Med** 1987 Jan;87(1):52
Financial planning for malpractice. Budros JL. **Ohio State Med J** 1986 Oct;82(10):695–6
Rising malpractice premiums and obstetric practice patterns. The impact on family physicians in Washington State. Rosenblatt RA, et al. **West J Med** 1987 Feb;146(2):246–8

HISTORY

Cases from the past; a look back. Murphy EK. **AORN J** 1987 Feb;45(2):214–7, 220
Medicine 100 years ago. II. The doctor and the law. King LS. **JAMA** 1987 Apr 24;257(16):2204

LEGISLATION & JURISPRUDENCE

Tort versus no-fault: compensation and injury prevention. O'Connell J. **Accid Anal Prev** 1987 Feb;19(1):63–71
Reduction mammaplasty: a medicolegal hazard? Hoffman S. **Aesthetic Plast Surg** 1987;11(2):113–6
An overview of informed consent for radiologists. Reuter SR. **AJR** 1987 Jan;148(1):219–27 (40 ref.)
Meditations on malpractice. Brown CL. **Ala Med** 1986 Jun; 55(12):13–6
Accountability of pathologists. Ackerman AB. **Am J Dermatopathol** 1985 Aug;7(4):305–6
What we really lack here is a consensus reality [letter] Jessee RA. **Am J Dis Child** 1987 Jun;141(6):602
Is sternal bone marrow needle biopsy still a hazardous technique? Report of three further fatal cases. Pascali VL, et al. **Am J Forensic Med Pathol** 1987 Mar;8(1):42–4
The infection control practitioner as expert witness. Dash GP. **Am J Infect Control** 1987 Aug;15(4):178–81
Preferred provider organization liability for physician malpractice. Butler C. **Am J Law Med** 1985;11(3):345–68
Medical malpractice litigation: do the British have a better remedy? Miller FH. **Am J Law Med** 1986;11(4):433–63
Torts of wrongful birth and wrongful life: a review. Pelias MZ. **Am J Med Genet** 1986 Sep;25(1):71–80 (49 ref.)
Avoiding wrongful birth and wrongful life suits. Shaw MW. **Am J Med Genet** 1986 Sep;25(1):81–4 (38 ref.)
Million-dollar errors. Cushing M. **Am J Nurs** 1987 Apr; 87(4):435–6, 440
Keeping watch. Cushing M. **Am J Nurs** 1987 Aug; 87(8):1021–2
The factitious patient who sues [letter] Lipsitt DR. **Am J Psychiatry** 1986 Nov;143(11):1482
Duty to protect [letter] Raskin DE. **Am J Psychiatry** 1987 Aug;144(8):1107–8
Riff v. Morgan Pharmacy. A legal mandate for patient-oriented pharmacy practice. Brushwood DB, et al. **Am Pharm** 1987 Mar;NS27(3):68–9
The Medical Defence Union. How the United Kingdom copes with mishap and malpractice. Hawkins C. **Ann Surg** 1987 Feb;205(2):213–7
Preventing a successful malpractice claim. Murphy EK. **AORN J** 1987 Jul;46(1):106, 108, 110
Undocumented nursing care does not always indicate liability. Murphy EK. **AORN J** 1987 Sep;46(3):537–40
When patient OR records are missing. Murphy EK. **AORN J** 1986 Dec;44(6):1016–9
Medical malpractice litigation in the management of vitreoretinal diseases. Kraushar MF. **Arch Ophthalmol** 1987 Feb;105(2):187–90
Litigation, quality and use of health services: international lessons from a uniquely American phenomenon. Jessee WF. **Aust Clin Rev** 1987 Jun;7(25):79–84
Psychiatrists and negligence. Judd JS, et al. **Aust NZ J Psychiatry** 1986 Jun;20(2):233–6
Dr Gee goes to the House of Lords. Dyer C. **Br Med J [Clin Res]** 1987 Mar 14;294(6573):695–6
Medical malpractice in perspective. I—The American experience. Quam L, et al. **Br Med J [Clin Res]** 1987 Jun 13;294(6586):1529–32
Medical malpractice in perspective. II—The implications for Britain. Quam L, et al. **Br Med J [Clin Res]** 1987 Jun 20; 294(6587):1597–600
Cancer nursing and the law. The theory of a medical malpractice case. Gargaro WJ Jr. **Cancer Nurs** 1985 Dec; 8(6):341–2
Cancer nursing and the law. Screening medical malpractice cases. Gargaro WJ Jr. **Cancer Nurs** 1985 Oct;8(5):297–8
Clarifying the therapist's duty to warn potential victims. Healey JM. **Conn Med** 1986 Dec;50(12):841
Forensic and medicolegal aspects of transplantation. Froede RC, et al. **Contemp Anesth Pract** 1987;10:1–29 (20 ref.)
Genetic disorders and medical malpractice. Mandell MS, et al. **Dermatol Clin** 1987 Jan;5(1):49–54 (23 ref.)
Medical malpractice in the State of Hawaii (1979–1984). Mardfin JK. **Hawaii Med J** 1987 Jan;46(1):19, 22–3
Out-of-court settlement [editorial] Reppun JI. **Hawaii Med J** 1986 Oct;45(10):341
Victim's rights [editorial] Stodd RT. **Hawaii Med J** 1987 Mar; 46(3):79
Liability for violent acts [letter] Goldstein RL. **Hosp Community Psychiatry** 1987 Mar;38(3):306–7
The professional liability crisis: an interview with Joel Klein [interview by John A. Talbott] Klein J. **Hosp Community Psychiatry** 1986 Oct;37(10):1012–6
Congressional tort initiatives surface. Burda D. **Hospitals** 1987 May 5;61(9):71–2
Congress, states continue to debate tort reforms. Burda D. **Hospitals** 1987 Jun 20;61(12):FB84, FB86
Interest grows in nontraditional tort reform. Burda D. **Hospitals** 1987 Aug 5;61(15):54
Hospital liable for independent MD. Burda D. **Hospitals** 1987 Aug 20;61(16):36
Hospital not liable for AIDS from blood transfusion. Burda D. **Hospitals** 1987 Sep 5;61(17):60
Marketing across state lines opens door to lawsuits. Burda D. **Hospitals** 1986 Oct 5;60(19):48
States adopt new laws to fight malpractice crisis. Burda D. **Hospitals** 1986 Nov 20;60(22):32–3
Coalitions play key role in tort reform passage. Burda D. **Hospitals** 1986 Dec 5;60(23):30
Danzon: leader in malpractice study. Burda D. **Hospitals** 1986 Dec 5;60(23):32
Both sides advance in OB liability war. Burda D. **Hospitals** 1987 Apr 20;61(8):49–50
Tort reforms discriminatory, impotent: opponents. Burda D. **Hospitals** 1987 Apr 5;61(7):65
Tort reform not enough, GAO says. Firshein J. **Hospitals** 1987 Feb 5;61(3):22–3
Revolution comes slowly to the law. 1 [interview] Morse SJ. **IMJ** 1986 Sep;170(3):148–60
In pursuit of professional freedom 2 [interview] Morse SJ. **IMJ** 1986 Nov;170(5):327–34
Strategies to reduce malpractice claims. Smith SM, et al. **Indiana Med** 1986 Dec;79(12):1066–7
Compression neuropathies: medical aspects and legal implications. Dornette WH. **Int Anesthesiol Clin** 1986 Winter;24(4):201–29
1986 liability reforms—a synopsis. Luchtel KE. **Iowa Med** 1986 Dec;76(12):558–61, 564
Innovative new Florida laws affect dental practice, malpractice verdicts and tort reforms. Gustafson T. **J Am Coll Dent** 1987 Spring;54(1):16–20
Helling revisited: how the "tale" wagged the dogClassé JG. **J Am Optom Assoc** 1987 Apr;58(4):343–5
The malpractice insurance crisis: hospitals are caught in the middle [letter] Wilson K Jr. **J Am Osteopath Assoc** 1987 Jul;87(7):453–4
Legalese in malpractice cases. Hannah HW. **J Am Vet Med Assoc** 1987 Apr 1;190(7):850–2
Follow-up on the English rule [letter] Skilling FC Jr. **J Cataract Refract Surg** 1987 Mar;13(2):217
Legal liability with psychotropic drug use: extrapyramidal syndromes and tardive dyskinesia. Mills MJ, et al. **J Clin Psychiatry** 1987 Sep;48 Suppl:28–33
View from the Nation's Courts. Freishtat HW.

J Clin Psychopharmacol 1987 Aug;7(4):269–71
View from the Nation's Courts. The physician's duty to warn: Tarasoff expanded. Freihtat HW.
J Clin Psychopharmacol 1986 Dec;6(6):368–70
Contraception and the law: medical–legal trends affecting availability of contraception in the United States. Yelverton RW. J Fla Med Assoc 1986 Oct;73(10):777–81
Malpractice—a defendant's perspective. Jarboe JP.
J Forensic Sci 1987 Jan;32(1):7–8
The performance of medical malpractice review panels. Shmanske S, et al. J Health Polit Policy Law 1986 Fall; 11(3):525–35
Patients rights in psychiatric treatments (and how to avoid malpractice). Tobias CR, et al. J Ky Med Assoc 1986 Aug; 84(8):399–401
The Feres doctrine and the Department of Defense Quality Assurance Plan. The road to high quality care in military medicine. Hilen DN. J Leg Med (Chicago) 1986 Dec; 7(4):521–45
Medical malpractice crisis the second time around. Why not arbitrate? Powsner RM, et al. J Leg Med (Chicago) 1987 Jun;8(2):283–304
Women's reproductive rights. Is there a conflict with a child's right to be born free from defects? Schedler G.
J Leg Med (Chicago) 1986 Sep;7(3):357–84
Jurisdiction, venue, and choice of law in medical malpractice litigation. Trail WR, et al. J Leg Med (Chicago) 1986 Dec; 7(4):403–40
You and malpractice stress. IV: The office staff's perspective. Blum R. J Med Assoc Ga 1987 Jan;76(1):61–2
Malpractice suits: their effect on doctors, patients, and families. Charles SC. J Med Assoc Ga 1987 Mar;76(3):171–2
Tort reform in 1987. A significant improvement. Greene R. J Med Assoc Ga 1987 Apr;76(4):268–72
You and malpractice stress. II. One physician's story. Tillman RA. J Med Assoc Ga 1986 Nov;75(11):659
Wrongful life: some of the problems. Liu AN.
J Med Ethics 1987 Jun;13(2):69–73
The expansiveness of liability to third parties. Feutz SA.
J Nurs Adm 1987 Apr;17(4):9–11
Diminishing liability: laws and regulations. Feutz SA.
J Nurs Adm 1986 Oct;16(10):12–4
Medical malpractice litigation: does it augment or impede quality care? [editorial] DeAngelis C. J Pediatr 1987 Jun; 110(6):878–80
Malpractice: don't let the chips fall where they may. Lindell AR. J Prof Nurs 1985 Sep–Oct;1(5):261, 318
Perinatal malpractice. Risks and prevention. Nocon JJ, et al. J Reprod Med 1987 Feb;32(2):83–90
Patient care and bureaucracy. Avery JK.
J Tenn Med Assoc 1987 Mar;80(3):164
It looked sooo simple! Avery JK. J Tenn Med Assoc 1987 Apr;80(4):225–6
The right to know, the duty to communicate. Avery JK.
J Tenn Med Assoc 1986 Sep;79(9):570
Liability for transfusion–acquired disease [letter] JAMA 1987 Feb 13;257(6):779–80
Report of the Special Task Force on Professional Liability and Insurance and the Advisory Panel on Professional Liability. JAMA 1987 Feb 13;257(6):810–2
Congressional testimony on Senate Bill S. 1804. Bowen OR. JAMA 1987 Feb 13;257(6):813–9
Liability crisis or insurance problem? [letter] Gillett RC Jr. JAMA 1987 Jun 5;257(21):2916–7
Beyond tort reform [editorial] Johnson KB. JAMA 1987 Feb 13;257(6):827–8
It's an insurance problem, not a liability crisis [letter] Pavalon EI. JAMA 1987 Feb 13;257(6):778
The new malpractice act: peer review. Buchele JP.
Kans Med 1986 Sep;87(9):233–6
Reflections upon the social implications of medical malpractice litigation. Stratton WT. Kans Med 1987 Feb; 88(2):50, 53
Damages for stillborn child. Brahams D. Lancet 1987 Mar 21;1(8534):699
Pre–trial exchange of expert evidence to become normal practice in medical negligence actions. Brahams D.
Lancet 1987 May 23;1(8543):1215–6
Damages awarded for 25% loss of chance of full recovery. Brahams D. Lancet 1987 Feb 14;1(8529):396–7
Pregnancy following sterilisation: two cases fail. Brahams D. Lancet 1987 Mar 14;1(8533):638
Physicians' emotional reactions to being sued. Covi L.
Md Med J 1987 Jun;36(6):478
Malpractice stress syndrome: a new diagnosis? Reading EG. Md Med J 1987 Mar;36(3):256–7
The looming storm [letter] Med J Aust 1987 Aug 3; 147(3):156–7
Hotson v. Fitzgerald and others. Med Law 1986;5(3):247–52
Burns, abortions and dying declarations. Frazier HC.
Med Law 1986;5(5):431–40
Problems of proof resulting from brachial plexus lesions discovered during the postanaesthetic period. review of the Belgian law claims. Heylen R. Med Law 1986; 5(5):365–70
Wrongful life decision in Israel. Civil appeal 518/82, 540/82. Levi J. Med Law 1987;6(4):373–4
Wrongful death—enovid therapy for endometriosis—malpractice—discovery deposition of defendant gynecologist's expert. Med Trial Tech Q 1982 Spring;28(4):451–72
Medical malpractice case—wrongful death—blood clot in lung—heparin (anticoagulant) given—Part VII.
Med Trial Tech Q 1986;33(2):222–64
Sanctions for failure to disclose medical malpractice experts. Mendelson v. Feingold. Boblick SS. Med Trial Tech Q 1980 Fall;27(2):177–99
Cronapaque photographic prints of X–rays for the modern trial. Carothers A, et al. Med Trial Tech Q 1982 Spring; 28(4):396–403
Wrongful life. Goldstein C, et al. Med Trial Tech Q 1982 Winter;28(3):279–92
Negligent infliction of emotional distress by physicians and hospitals. Stevens GE. Med Trial Tech Q 1982 Winter; 28(3):233–41
Patient noncompliance documentation: a tactic for successful medical malpractice prevention and defense. Ulmer RA. Med Trial Tech Q 1982 Spring;28(4):361–74
Informed consent. Victor MG. Med Trial Tech Q 1980 Fall; 27(2):138–75
Psychiatric treatment of women: standard of care? Vranas M. Med Trial Tech Q 1982 Spring;28(4):375–86
Liability lawmakers detail negotiation process. Mich Med 1986 Aug;85(8):406–7
MSMS president pledges devotion to liability solutions. Gagliardi CA. Mich Med 1987 Jul;86(7):455–6, 458, 460
Litigation is a crippling disease. Gagliardi CA. Mich Med 1987 Jan;86(1):19–20
Why not arbitrate? Powsner RM, et al. Mich Med 1986 Aug; 85(8):408, 411–2, 419–20
Legal counsel discusses further tort reform. Weber RD. Mich Med 1986 Aug;85(8):403–4
Legal counsel discusses professional liability funds. Weber RD. Mich Med 1986 Sep;85(9):490, 492
What next? Zako LR. Mich Med 1986 Aug;85(8):401–2
Defensible medicine: an effective response to the malpractice liability crisis. Brenno LC. Minn Med 1987 Mar; 70(3):139–41
The costs of malpractice litigation [interview] Charles SC. Minn Med 1987 Mar;70(3):129–30
Malpractice claim review. Pediatrics, urology. Sanders PS. Minn Med 1987 Feb;70(2):99
Malpractice claim review. Family practice. MMIE Risk Management Committee. Sanders PS. Minn Med 1987 Mar; 70(3):161
Confronting professional liability: a roundtable discussion of medical risk management. Sanders PS, et al. Minn Med 1987 Mar;70(3):142–8
Malpractice claim review. Corporate policy. Sanders PS. Minn Med 1987 Apr;70(4):235
MMIE malpractice claim review. Family practice clinic. MMIE Risk Management Committee. Sanders PS. Minn Med 1986 Dec;69(12):741
Teratogens and "litogens" [letter] N Engl J Med 1987 Apr 23;316(17):1093–4
Compensating children with vaccine–related injuries. Iglehart JK. N Engl J Med 1987 May 14;316(20):1283–8
The professional liability crisis [letter] Lytle JW.
N Engl J Med 1987 May 21;316(21):1349
The liability insurance crisis. Mosberg WH Jr.
Neurosurgery 1986 Nov;19(5):857–84 (261 ref.)
A review of urologic medical malpractice claims in New Jersey, 1977 to 1984. Milsten R, et al. NJ Med 1987 Jan; 84(1):35–7
Recent malpractice cases highlight risk of "going bare".
Nurse Pract 1987 Jun;12(6):10, 15, 63–4
Medical malpractice [letter] Armenia CS.
NY State J Med 1986 Nov;86(11):604
Patient–physician relationship [letter] Blackman NS.
NY State J Med 1987 Jun;87(6):364
Physicians and medical malpractice [letter] Kahn AI.
NY State J Med 1986 Nov;86(11):604
"The legal basis of malpractice suits" clarified [letter] Todd WM. Ohio Med 1987 Mar;83(3):131
Malpractice legislation introduced in House. Studebaker K. Ohio State Med J 1986 Nov;82(11):760–3
Medical malpractice litigation in ophthalmology: the New Jersey experience. Kraushar MF, et al. Ophthalmic Surg 1986 Oct;17(10):671–4
Medical–legal issues concerning spinal trauma. Donovan WH. Paraplegia 1987 Jun;25(3):305–7
Preventive measures to limit legal liability in pediatric emergencies: an analysis through cases concerning failure to diagnose meningitis. Britton RM, et al.
Pediatr Emerg Care 1986 Jun;2(2):109–12
Emergency physician responsibility for the interpretation of x–rays. Dobbs D. Pediatr Emerg Care 1986 Sep; 2(3):197–200
Pediatrics and professional liability. Ricci JA, et al.
Pediatr Emerg Care 1986 Jun;2(2):106–8
Medicolegal problems in the management of cardiac arrhythmias in children. Garson A Jr. Pediatrics 1987 Jan; 79(1):84–8
Malpractice litigation for uninformed consent. Implications for physical therapists. Banja JD, et al. Phys Ther 1987 Aug;67(8):1226–9
The malpractice crisis: a possible solution [letter] Lockhart WE Jr. Postgrad Med 1986 Sep 15;80(4):27
Informed consent: myths and risk management alternatives. Brenner LH, et al. QRB 1986 Dec;12(12):420–5
Medical malpractice in diagnostic radiology: claims, compensation, and patient injury. Hamer MM, et al.
Radiology 1987 Jul;164(1):263–6
Torts: what are they? Hirsh HL. South Med J 1987 Jul; 80(7):892–4
The expert witness—to serve or not to serve (and if so, for how much) [editorial] Alexander E Jr. Surg Neurol 1987 May;27(5):505
A simple solution to the malpractice crisis [editorial] Freidberg SR. Surg Neurol 1987 Oct;28(4):320–1
Is the malpractice crisis hopeless? Perhaps not [editorial] Wilkinson HA. Surg Neurol 1987 May;27(5):506
Is there a statute of limitations in a medical professional liability lawsuit? Alt HA. Tex Med 1987 Apr;83(4):86–8
Going bare—do you dare? [pubished erratum appears in Tex Med 1986 Nov;82(11):70] Alt HA. Tex Med 1986 Oct; 82(10):55–7
Medical liability and discipline. Brindley GV Jr.
Tex Med 1986 Nov;82(11):48–9
The groundless malpractice suit: one remedy, summary judgment. Smith B. Tex Med 1987 Jul;83(7):52–3
Medical professional liability in Texas—a primer. Young MG. Tex Med 1987 Feb;83(2):73–5
Legal responsibility of the medical director. Newcombe EP. Trans Assoc Life Insur Med Dir Am 1987;70:188–99
Eight who survived. Ross SM. Va Med 1987 Apr; 114(4):218–21
A fatal case of sulindac–induced Lyell syndrome (toxic epidermal necrolysis). Ikeda N, et al. Z Rechtsmed 1987; 98(2):141–6
[A legal decision with serious consequences]
Cah Anesthesiol 1986 Jun–Jul;34(4):347–9 (Fre)
[Juridical aspects of the responsibility of the surgeon performing ambulatory surgery] Page G.
Helv Chir Acta 1987 Mar;53(5):563–70 (Eng. Abstr.) (Fre)
[Iatrogenic fatalities and the physician's obligation to report?] Janssen W, et al. Beitr Gerichtl Med 1986;44:324–31 (Eng. Abstr.) (Ger)
[Responsibility for disclosure of medically–induced damage in Austria] Krainz KW. Beitr Gerichtl Med 1986;44:333–8 (Eng. Abstr.) (Ger)
[Procedure in so–called medical errors in Finland] Saukko P. Beitr Gerichtl Med 1986;44:339–41 (Eng. Abstr.) (Ger)
[Fatalities caused by penicillin allergy in a forensic medicine autopsy sample] Schneider V, et al. Beitr Gerichtl Med 1986;44:371–8 (Eng. Abstr.) (Ger)
[Venous air embolism as an unexpected complication in the area of medical responsibility] Wilske J, et al.
Beitr Gerichtl Med 1986;44:39–45 (Eng. Abstr.) (Ger)
[Legal aspects of simultaneous and preventive operations] Carstensen G, et al. Chirurg 1987 Mar;58(3):129–34 (Ger)
[Patient education concerning the general risk of fat embolism and treatment alternatives] Laufs A. Chirurg 1986 Aug; 57(8):527 (Ger)
[Physician's obligation to request the patient to revisit his office. 25 June 1985 judgment of the Federal High Court] Rieger HJ. Dtsch Med Wochenschr 1987 Feb 6;112(6):234–5 (Ger)
[Responsibility lies with the chief physician. The patient has the right to treatment with specialist standards]
Fortschr Med 1987 Jun 20;105(21):52 (Ger)
[Responsibility of the family physician is determinative. Amputation following falsely assessed risk of occlusion] Piechowiak H. Fortschr Med 1986 Aug 7;104(29):55 (Ger)
[Trends in legal decisions in obstetrics] Penning R, et al.
Geburtshilfe Frauenheilkd 1987 Jan;47(1):1–7 (Eng. Abstr.) (Ger)
[Legal aspects in obstetrics and possible sequelae] Spann W.
Geburtshilfe Frauenheilkd 1987 Jan;47(1):69–70 (Ger)
[Clinical competence and medical responsibility in rare cases] Esterl D, et al. Kinderarztl Prax 1987 Apr;55(4):207–10 (Eng. Abstr.) (Ger)
[Can legal aspects modify surgical indications?] Weissauer W. Langenbecks Arch Chir 1986;369:65–8 (Eng. Abstr.) (Ger)
[Endoscopy and the law] Classen M. Leber Magen Darm 1987 Apr;17(2):67–8 (Ger)
[Legalization of medicine] Sorgo G.
Wien Med Wochenschr 1987 Jul 15;137(13):289–91 (Eng. Abstr.) (Ger)
[Medical testimony in assessing the legal responsibility of a physician in medical malpractice from the viewpoint of the lawyer] Baatz G. Z Arztl Fortbild (Jena) 1986; 80(20):863–5 (Ger)
[Legal position of citizens in injuries in relation to medical and social care responsibilities] Heusinger H, et al.
Z Arztl Fortbild (Jena) 1986;80(22):955–60 (Ger)
[Legal questions on the content and scope of medical responsibility in emergencies—preliminary remarks on principles of the forensic medicine service] Heusinger H, et al. Z Arztl Fortbild (Jena) 1986;80(24):1041–4 (Ger)
[Diagnosis of endogenous puerperal psychoses with reference to suicidal and forensic complications] Lammel M.
Z Arztl Fortbild (Jena) 1986;80(21):893–6 (Ger)
[Forensic problems in unrecognized pregnancy in premenopause] Link M. Z Arztl Fortbild (Jena) 1986; 80(21):897–8 (Ger)
[Medical responsibility—deciding competence in daily medical practice] Mann H, et al.
Z Arztl Fortbild (Jena) 1986;80(21):911–2 (Ger)
[Civil law liability for endoscopic accidents in jurisprudence] Ankermann E. Z Gastroenterol 1987 Jun;25(6):331–7 (Eng.

Abstr.) (Ger)
[Aspects of brain death] Adebahr G. **Z Rechtsmed** 1986; 97(3):207–12 (Eng. Abstr.) (Ger)
[A rare cause of 2 unclear fatalities: undiagnosed acute and chronic amebiasis] Risse M, et al. **Z Rechtsmed** 1986; 96(3):235–43 (Eng. Abstr.) (Ger)
[Iatrogenic pneumothorax and its forensic evaluation] Horntrich J, et al. **Zentralbl Chir** 1986;111(24):1531–5 (Eng. Abstr.) (Ger)
[Iatrogenic inguinal injury of the spermatic cord from a treatment and forensic viewpoint] Matz M, et al. **Zentralbl Chir** 1987;112(4):250–5 (Eng. Abstr.) (Ger)
[Late damage caused by an undetected compartment syndrome. Forensic evaluation] Schenk E, et al. **Zentralbl Chir** 1987;112(2):115–9 (Eng. Abstr.) (Ger)
[Assessment of postoperative wound infection in legal liability procedures] Schmauss AK. **Zentralbl Chir** 1987; 112(11):707–16 (Ger)
[Remarks with regard to malpractice] Cislo M, et al. **Pol Tyg Lek** 1987 Jan 6;42(1):25–7 (Eng. Abstr.) (Pol)
[Legal aspects of iatrogenic disease and accidents during treatment] Kornobis J, et al. **Pol Tyg Lek** 1987 Jan 6; 42(1):21–4 (Eng. Abstr.) (Pol)

TRENDS

Malpractice and radiologists, update 1986: an 11.5-year perspective. Berlin L. **AJR** 1986 Dec;147(6):1291–8
Quality assurance will play key role in reducing malpractice suits: CMPA. Canadian Medical Protective Association. Goldman B. **Can Med Assoc J** 1987 Sep 1;137(5):447–8
Five future areas of liability risks haunt providers. Burda D, et al. **Hospitals** 1986 Nov 20;60(22):48–53
Malpractice 1987. Schwartz KJ. **J Am Podiatr Med Assoc** 1987 Feb;77(2):108–10
Trends in medical malpractice and the golden rules. McMahon SM. **Mich Med** 1987 Jul;86(7):464, 466, 470
MDs: treat your patients and their naivete. Montgomery C. **Mich Med** 1987 Jul;86(7):447–8
The malpractice crisis: a national perspective. Edwards KS. **Ohio State Med J** 1986 Sep;82(9):641–5
Sixteen years as defense committee chairmanship. Reminiscences of beginnings of the malpractice crisis in Rhode Island. Sargent FB. **RI Med J** 1987 Apr; 70(4):179–80
Medical malpractice and the primary care physician: lowering the risks. Garr DR, et al. **South Med J** 1986 Oct; 79(10):1280–4

MALT see **CEREALS**

MALTA FEVER see **BRUCELLOSIS**

MALTASES see **ALPHA-GLUCOSIDASES**

MALTOSE

Transfer reaction of glucosyl residues to maltose and purified oligosaccharides using highly active Leuconostoc mesenteroides NRRL B-512F dextransucrase. Oriol E, et al. **Ann NY Acad Sci** 1987;501:210–5
Taste preference thresholds for Polycose, maltose, and sucrose in rats. Sclafani A, et al. **Neurosci Biobehav Rev** 1987 Summer;11(2):181–5

ADMINISTRATION & DOSAGE

Clearance of maltose administered at different infusion rates. Motton G, et al. **Ital J Surg Sci** 1987;17(2):153–9

ANALOGS & DERIVATIVES

Synthesis of 6-deoxymaltooligosaccharides and a study of their lipid-binding properties. Lu DP, et al. **Carbohydr Res** 1987 Feb 15;160:171–84
Comparative study of maltitol and sucrose by means of continuous indirect calorimetry. Felber JP, et al. **JPEN J Parenter Enteral Nutr** 1987 May–Jun;11(3):250–4
[Digestion of a maltitol-rich hydrogenated syrup in conscious pigs] Rérat A, et al. **Bull Acad Natl Med (Paris)** 1987 Feb; 171(2):183–7 (Eng. Abstr.) (Fre)

DIAGNOSTIC USE

Comparison of the API Staph. kit and a two sugar maltose/trehalose fermentation test in the identification of Staphylococcus epidermidis. Cryan B, et al. **Ir J Med Sci** 1986 Oct;155(10):353–5
[Use of the induced effects of glucose and maltose on sodium and chloride transport in the human small intestine as a basis for a diagnostic absorption test] Komarov FI, et al. **Klin Med (Mosk)** 1987 Jun;65(6):50–6 (Rus)

GENETICS

Identification of endogenous inducers of the mal regulon in Escherichia coli. Ehrmann M, et al. **J Bacteriol** 1987 Aug; 169(8):3539–45
malM, a new gene of the maltose regulon in Escherichia coli K12. I. malM is the last gene of the malK-lamB operon and encodes a periplasmic protein. Gilson E, et al. **J Mol Biol** 1986 Oct 5;191(3):303–11
malM, a new gene of the maltose regulon in Escherichia coli K12. II. Mutations affecting the signal peptide of the MalM protein. Rousset JP, et al. **J Mol Biol** 1986 Oct 5; 191(3):313–20

METABOLISM

The influence of maltoporin affinity on the transport of maltose and maltohexaose into Escherichia coli. Ferenci T, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):319–22
Binding protein-dependent transports in 2-oxo acids dehydrogenase mutants of Escherichia coli. Richarme G. **Biochim Biophys Acta** 1987 Sep 10;893(2):373–7
Mutational alterations affecting the export competence of a truncated but fully functional maltose-binding protein signal peptide. Fikes JD, et al. **J Bacteriol** 1987 Jun; 169(6):2345–51
Maltotriose is the inducer of the maltose regulon of Escherichia coli. Raibaud O, et al. **J Bacteriol** 1987 Jul; 169(7):3059–61
Identification of a second trans-acting gene controlling maltose fermentation in Saccharomyces carlsbergensis. Dubin RA, et al. **Mol Cell Biol** 1986 Aug;6(8):2757–65
Effect of 1,25-dihydroxyvitamin D3 on intestinal maltose absorption in uremic rats. Inagaki O, et al. **Nippon Jinzo Gakkai Shi** 1987 Mar;29(3):309–14
Decreased glucose production from maltose in perfused kidney of streptozotocin diabetic rats. Ikeda T, et al. **Proc Soc Exp Biol Med** 1986 Nov;183(2):241–3
[Meningitis caused by non-maltose-fermenting Neisseria meningitides] Cherchi GB, et al. **Nuovi Ann Ig Microbiol** 1985 May–Jun;36(3):201–4 (Eng. Abstr.) (Ita)

PHARMACODYNAMICS

Additive and independent responses in a single receptor: aspartate and maltose stimuli on the tar protein. Mowbray SL, et al. **Cell** 1987 Jul 17;50(2):171–80
Selectivity for maltose and maltodextrins of maltoporin, a pore-forming protein of E. coli outer membrane. Dargent B, et al. **FEBS Lett** 1987 Aug 10;220(1):136–42
[Effects of 24-hour continuous intravenous infusion of maltose in type II diabetics] Kuo SW, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Jul;85(7):674–8 (Eng. Abstr.) (Chi)

MAMMAE

Udder edema in cattle: effect of furosemide, hydrochlorothiazide, acetazolamide, or 50% dextrose on venous blood pressure. Vestweber JG, et al. **Am J Vet Res** 1987 Apr;48(4):673–5
Receptors for epidermal growth factor and estradiol in canine mammary tumors. Nerurkar VR, et al. **Int J Cancer** 1987 Aug 15;40(2):230–2
Carcinoma of the mammary gland in a mare. Munson L. **J Am Vet Med Assoc** 1987 Jul 1;191(1):71–2
Evolutionary adaptations. Aristotle's theory of mammalian teat number is confirmed [news] Diamond JM. **Nature** 1987 Jan 15–21;325(6101):200
[Acropachy in the dog] Jacquier C. **Schweiz Arch Tierheilkd** 1986 Aug;128(8):425–31 (Eng. Abstr.) (Fre)

ANALYSIS

Preparation of functional acetyl-CoA carboxylase mRNA from rat mammary gland. López-Casillas F, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):63–8
Analysis of bovine udder, plate and viscera using near infrared reflectance spectroscopy. Roberts CA, et al. **J Anim Sci** 1987 Jul;65(1):278–81
Fatty acid composition of bovine teat canal keratin. Hogan JS, et al. **J Dairy Sci** 1986 Sep;69(9):2424–7
The goat blood binder of triamcinolone acetonide does not interfere with glucocorticoid receptor purification from mammary tissue. Tamic L, et al. **J Recept Res** 1986; 6(5–6):475–87
Loss of plasma-generated vitamin D-binding protein in explants of mouse mammary gland in culture. Mezzetti G, et al. **J Steroid Biochem** 1986 Sep;25(3):459–61
Partial purification and characterization of bovine mammary gland prolactin receptor. Ashkenazi A, et al. **Mol Cell Endocrinol** 1987 Mar;50(1–2):79–87
Purification of prolactin receptors from sow mammary gland and polyclonal antibody production. Berthon P, et al. **Mol Cell Endocrinol** 1987 May;51(1–2):71–81
Micromethod for the determination of free and total prolactin receptors: measurement of receptor levels in normal and malignant mammary and prostate tissues. Ben-David M, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8375–9
[Determination of phosphate residues participating in the formation of the spatial structure of tRNA- Leu IAG from cow mammary glands] Petrushenko ZM, et al. **Bioorg Khim** 1986 Nov;12(11):1492–7 (Eng. Abstr.) (Rus)
[Patterns of redistribution of calcium and magnesium in the tissues of lactating white mice] Kisliakova LP, et al. **Fiziol Zh SSSR** 1986 Nov;72(11):1564–70 (Eng. Abstr.) (Rus)

ANATOMY & HISTOLOGY

Relationships among udder shape, udder capacity, cow longevity and calf weights. DeNise RS, et al. **J Anim Sci** 1987 Aug;65(2):366–72
Involution of the bovine mammary gland: histological and ultrastructural changes. Holst BD, et al. **J Dairy Sci** 1987 May;70(5):935–44
Histological response of bovine mammary tissue to an intracisternal bead device. Nickerson SC, et al. **J Dairy Sci** 1987 Mar;70(3):687–95
Genetics statistics and relationships of teat and udder traits, somatic cell counts, and milk production. Seykora AJ, et al. **J Dairy Sci** 1986 Sep;69(9):2395–407
[Involution of the mammary gland in goats. Histological and histochemical studies at various times following drying out] Geyer H, et al. **Zentralbl Veterinarmed [A]** 1986 Aug; 33(6):451–73 (Eng. Abstr.) (Ger)

BLOOD SUPPLY

Effect of dietary restriction during lactation on cardiac output, organ blood flow and organ weights of rats. Sakanashi TM, et al. **J Nutr** 1987 Aug;117(8):1469–74
Vascular patterns of a rat mammary tumor, fibroadenoma: scanning electron microscopy of resin casts. Ninomiya H, et al. **Nippon Juigaku Zasshi** 1987 Apr;49(2):303–12

CYTOLOGY

Assessment of bovine mammary gland macrophage oxidative burst activity in a chemiluminescence assay. Harmon BG, et al. **Am J Vet Res** 1987 Jan;48(1):119–25
Cell size and shape changes in the myoepithelium of the mammary gland during differentiation. Emerman JT, et al. **Anat Rec** 1986 Nov;216(3):405–15
Ovine beta-lactoglobulin messenger RNA: nucleotide sequence and mRNA levels during functional differentiation of the mammary gland. Gaye P, et al. **Biochimie** 1986 Sep;68(9):1097–107
Growth and continuous passage of COMMA-D mouse mammary epithelial cells in hormonally defined serum-free medium. Riss TL, et al. **Cancer Res** 1987 Jul 15; 47(14):3776–82
Proliferative activity of murine mammary epithelium as affected by dietary fat and calcium. Zhang L, et al. **Cancer Res** 1987 Sep 15;47(18):4905–8
A model for in vitro proliferation of undifferentiated bovine mammary epithelial cells. Shamay A, et al. **Cell Biol Int Rep** 1986 Dec;10(12):923–9
Locally dividing macrophages in normal and inflamed mammary glands. Jutila MA, et al. **Clin Exp Immunol** 1986 Dec;66(3):615–24
Milk protein expression and ductal morphogenesis in the mammary gland in vitro: hormone-dependent and -independent phases of adipocyte-mammary epithelial cell interaction. Wiens D, et al. **Dev Biol** 1987 Mar; 120(1):245–58
Somatomedin-C substitutes for insulin for the growth of mammary epithelial cells from normal virgin mice in serum-free collagen gel cell culture. Imagawa W, et al. **Endocrinology** 1986 Dec;119(6):2695–9
1,25-Dihydroxyvitamin D3 target cells in rat mammary gland. Narbaitz R, et al. **Horm Res** 1981;15(4):263–9
Origin, fate, and properties of multinucleated giant cells and their association with milk-synthesizing tissues of the bovine mammary gland. Nickerson SC, et al. **Immunobiology** 1987 Mar;174(2):200–9
Linoleate metabolites enhance the in vitro proliferative response of mouse mammary epithelial cells to epidermal growth factor. Bandyopadhyay GK, et al. **J Biol Chem** 1987 Feb 25;262(6):2750–6
Differential control of mRNA levels for Thy-1 antigen and laminin in rat mammary epithelial and myoepithelial-like cells. Barraclough R, et al. **J Cell Physiol** 1987 Jun; 131(3):393–401
Influence of hormone and growth factor interactions on the proliferative potential of normal rat mammary epithelial cells in vitro. Ethier SP, et al. **J Cell Physiol** 1987 Jul; 132(1):161–7
Variation in N-acetyl-beta-D-glucosaminidase activity and somatic cell count among various milk fractions. Berning LM, et al. **J Dairy Sci** 1987 May;70(5):1054–60
Examination of intramammary devices from infected and uninfected mammary quarters by scanning electron microscopy. Paape MJ, et al. **J Dairy Sci** 1987 May; 70(5):1045–53
Cultured mouse mammary epithelial cells: normal phenotype after implantation. Ehmann UK, et al. **JNCI** 1987 Apr; 78(4):751–7
Establishment of two rabbit mammary epithelial cell lines with distinct oncogenic potential and differentiated phenotype after microinjection of transforming genes. Garcia I, et al. **Mol Cell Biol** 1986 Jun;6(6):1974–82
Cell types and their immunological functions in bovine mammary tissues and secretions—a review of the literature. Concha C. **Nord Vet Med** 1986 Sep–Oct;38(5):257–72 (112 ref.)
Fatty acid growth requirements of normal and neoplastic mammary epithelium. Kidwell WR. **Prog Clin Biol Res** 1986;222:699–706 (8 ref.)
Antibody-containing cells and specialised epithelial cells in the bovine teat. Collins RA, et al. **Res Vet Sci** 1986 Jul; 41(1):50–5
Distribution of T and B lymphocytes in mammary dry secretions, colostrum and blood of adult dairy cattle. Duhamel GE, et al. **Vet Immunol Immunopathol** 1987 Feb; 14(2):101–22
Maintenance of normal human breast organoids within rat

mammary fat pads in organ culture. Stewart HJ, et al. **Virchows Arch [A]** 1987;410(6):495–500

DRUG EFFECTS

Daunorubicin–induced DNA lesions in isolated rat hepatocytes and mammary epithelial cells. Howell SK, et al. **Biochim Biophys Acta** 1986 Dec 18;868(4):254–61

Long–term alterations in histology and steroid receptor levels of the genital tract and mammary gland following neonatal exposure of female BALB/cCrgl mice to various doses of diethylstilbestrol. Bern HA, et al. **Cancer Res** 1987 Aug 1;47(15):4165–72

Interspecies comparison of human and rat mammary epithelial cell–mediated mutagenesis by polycyclic aromatic hydrocarbons. Gould MN, et al. **Cancer Res** 1986 Oct;46(10):4942–5

Transplacental effects of diethylstilbestrol on mammary development and tumorigenesis in female ACI rats. Rothschild TC, et al. **Cancer Res** 1987 Aug 15; 47(16):4508–16

Quantitation of nuclear aberrations as a screen for agents damaging to mammary epithelium. Sharkey SM, et al. **Carcinogenesis** 1986 Dec;7(12):1991–5

Influence of some dietary chemopreventive agents on the expression of functional differentiation of the mouse mammary gland in vitro. Chakraborty S, et al. **Int J Cancer** 1987 Jun 15;39(6):752–9

Lactogenic effect of bovine placental lactogen on pregnant rabbit but not pregnant heifer mammary gland explants. Byatt JC, et al. **J Dairy Sci** 1986 Aug;69(8):2066–71

Induction of lactation: histological and biochemical development of mammary tissue and milk yields of cows injected with estradiol–17 beta and progesterone for 21 days. Fleming JR, et al. **J Dairy Sci** 1986 Dec; 69(12):3008–21

Endotoxin of Escherichia coli and permeability of the mammary gland of goats. Lengemann FW, et al. **J Dairy Sci** 1987 Jan;70(1):201–8

Lymphocyte activation, cell–mediated cytotoxicity and their relationship to dietary fat–enhanced mammary tumorigenesis in C3H/OUJ mice. Olson LM, et al. **J Nutr** 1987 May;117(5):955–63

Effects of treatment with prolactin or progesterone on the coincidence of mammary tumors and uterine adenomyosis in young SHN mice. Nagasawa H, et al. **Lab Anim Sci** 1987 Apr;37(2):200–2

Effects of chronic ethanol consumption on lactational performance in rat: mammary gland and milk composition and pups' growth and metabolism. Vilaró S, et al. **Pharmacol Biochem Behav** 1987 Jun;27(2):333–9

Can dietary fat influence hormone–induced growth responsiveness of the mammary gland? Welsch CW. **Prev Med** 1987 Jul;16(4):475–80

Fatty acid–induced modifications of mouse mammary epithelium as studied in an organ and cell culture system. Telang NT. **Prog Clin Biol Res** 1986;222:707–28 (78 ref.)

[Changes in the genital tract of female swine after feeding with practice–relevant amounts of zearalenone] Bauer J, et al. **Tierarztl Prax** 1987;15(1):33–6 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Ultrastructure of human fetal mammary gland. Kellokumpu–Lehtinen P, et al. **Anat Rec** 1987 May; 218(1):66–72

ENZYMOLOGY

Properties of ornithine decarboxylase–antizyme from mammary gland of lactating rats. Hu YW, et al. **Arch Biochem Biophys** 1987 May 1;254(2):637–41

The role of acetyl–CoA carboxylase phosphorylation in the control of mammary gland fatty acid synthesis during the starvation and re–feeding of lactating rats. Munday MR, et al. **Biochem J** 1986 Jul 1;237(1):85–91

Cloning and sequencing of the medium–chain S–acyl fatty acid synthetase thioester hydrolase cDNA from rat mammary gland. Naggert J, et al. **Biochem J** 1987 Apr 15;243(2):597–601

Cationic activation of galactosyltransferase from rat mammary Golgi membranes by polyamines and by basic peptides and proteins. Navaratnam N, et al. **Biochem J** 1986 Oct 15;239(2):423–33

Diurnal variation in the fraction of 3–hydroxy–3–methylglutaryl–coenzyme A reductase in the active form in the mammary gland of the lactating rat. Smith RA, et al. **Biochem J** 1986 Oct 15;239(2):285–93

Cytochemical investigation of glucose–6–phosphate dehydrogenase activity in rat mammary tissue. Smyth PP, et al. **Br J Exp Pathol** 1987 Feb;68(1):45–52

Induction of mammary cytochromes P–450: an essential first step in the metabolism of 7,12–dimethylbenz[a]anthracene by rat mammary epithelial cells. Christou M, et al. **Carcinogenesis** 1987 Jan;8(1):73–80

Amino acid sequence of the serine active–site region of the medium–chain S–acyl fatty acid synthetase thioester hydrolase from rat mammary gland. Randhawa ZI, et al. **Eur J Biochem** 1987 Feb 2;162(3):577–81

Transacylase activity of lactating bovine mammary fatty acid synthase. Anderson GJ, et al. **FEBS Lett** 1987 Aug 17; 220(2):323–6

Distribution of terminal transferases of acylglycerol synthesis in cell fractions from lactating mammary gland. Valivullah HM, et al. **Int J Biochem** 1986;18(9):799–806

Enzymes of glucose and fatty acid metabolism of liver, kidney, skeletal muscle, adipose tissue and mammary gland of lactating and non–lactating sheep. Vernon RG, et al. **J Anim Sci** 1987 May;64(5):1395–411

Interaction of rat mammary gland thioesterase II with fatty acid synthetase is dependent on the presence of acyl chains on the synthetase. Mikkelsen J, et al. **J Biol Chem** 1987 Feb 5;262(4):1570–4

Association of sulfhydryl oxidase and xanthine oxidase in bovine mammary tissue. Blakistone BA, et al. **J Dairy Sci** 1986 Nov;69(11):2803–9

Role of the isocitrate dehydrogenases and other Krebs cycle enzymes in lactating bovine mammary gland. Farrell HM Jr, et al. **J Dairy Sci** 1987 Apr;70(4):781–8

Hormonal regulation of protein kinase C in the mouse mammary gland. Holladay CS, et al. **Proc Soc Exp Biol Med** 1986 Dec;183(3):343–7

GROWTH & DEVELOPMENT

Inhibition by SMS 201–995 of normal mammary gland growth in mice. Nagasawa H, et al. **Experientia** 1987 Apr 15;43(4):417–9

Premature mammary development in a heifer with abdominal mesothelioma. Vestweber JG, et al. **J Am Vet Med Assoc** 1986 Oct 1;189(7):804–5

Estimation of pubertal mammary development in heifers by computed tomography. Sørensen MT, et al. **J Dairy Sci** 1987 Feb;70(2):265–70

Mammary gland growth and serum levels of prolactin and growth hormone in four strains of male mice in comparison with females. Nagasawa H, et al. **Life Sci** 1987 Apr 13; 40(15):1473–8

In vitro replication potential of serially passaged mammary parenchyma from mice with different reproductive histories. Choogkittaworn N, et al. **Mech Ageing Dev** 1987 Jul;39(2):147–75

Metabolic adaptations in mouse mammary gland during a normal lactation cycle and in extended lactation. Shipman LJ, et al. **Q J Exp Physiol** 1987 Jul;72(3):303–11

Reversible inhibition of mammary gland growth by transforming growth factor–beta. Silberstein GB, et al. **Science** 1987 Jul 17;237(4812):291–3

IMMUNOLOGY

Desensitization of the acute inflammatory response in skin and mammary gland of sheep. Maas PJ, et al. **Immunology** 1987 Jun;61(2):215–9

Tuberculin elicited cellular immune response in the lactating bovine mammary gland vaccinated intramammarily with Mycobacterium bovis. Nickerson SC, et al. **Vet Immunol Immunopathol** 1986 Sep;13(1–2):39–50

A study of bovine T–cell subsets in the blood and mammary gland secretions during the dry period. Wilson RA, et al. **Vet Immunol Immunopathol** 1986 Sep;13(1–2):151–64

INJURIES

Teat burns in dairy cattle—the prognosis and effect of treatment. Morton JM, et al. **Aust Vet J** 1987 Mar; 64(3):69–72

The effect of floor type in farrowing pens on pig injury. II. Leg and teat damage of sows. Edwards SA, et al. **Br Vet J** 1986 Sep–Oct;142(5):441–5

The effect of floor type in farrowing pens on pig injury. I. Leg and teat damage of suckling piglets. Furniss SJ, et al. **Br Vet J** 1986 Sep–Oct;142(5):434–40

Epidemiology of teat lesions in a dairy herd. I: Description of the incidence, location and clinical appearance. Agger JF, et al. **Nord Vet Med** 1986 Jul–Aug;38(4):209–19

Epidemiology of teat lesions in a dairy herd. II. Associations with subclinical mastitis. Agger JF, et al. **Nord Vet Med** 1986 Jul–Aug;38(4):220–32

[What is the therapy for udder injuries?] **Tijdschr Diergeneeskd** 1987 Jul 15;112(14):868–9 **(Dut)**

INNERVATION

Afferent projections from the mammary glands to the spinal cord in the lactating rat—I. A neuroanatomical study using the transganglionic transport of horseradish peroxidase–wheatgerm agglutinin. Tasker JG, et al. **Neuroscience** 1986 Oct;19(2):495–509

METABOLISM

Protein phosphorylation in rat mammary acini and in cytosol preparations in vitro. Phosphorylation of acetyl–CoA carboxylase is unaffected by cyclic AMP. Clegg RA, et al. **Biochem J** 1987 Jan 15;241(2):447–54

Modulation of intracellular cyclic AMP content and rate of lipogenesis in mammary acini in vitro. Clegg RA, et al. **Biochem J** 1986 Nov 15;240(1):13–8

Absence of monoacylglycerol pathway for triacylglycerol synthesis in goat mammary gland. Hansen HO, et al. **Biochem J** 1986 Aug 15;238(1):173–6

Synthesis of milk specific fatty acids and proteins by dispersed goat mammary–gland epithelial cells. Hansen HO, et al. **Biochem J** 1986 Aug 15;238(1):167–72

Phosphoribosyl pyrophosphate and phosphoribosyl pyrophosphate synthetase in rat mammary gland. Changes in the lactation cycle and effects of diabetes, insulin and phenazine methosulphate. Kunjara S, et al. **Biochem J** 1986 Sep 1;238(2):553–9

The regulation of lipogenesis in vivo in the lactating mammary gland of the rat during the starved–refed transition. Studies wtih acarbose, a glucosidase inhibitor. Mercer SW, et al. **Biochem J** 1987 Feb 15;242(1):235–43

Time course of changes in plasma glucose and insulin concentrations and mammary–gland lipogenesis during re–feeding of starved conscious lactating rats. Mercer SW, et al. **Biochem J** 1986 Oct 15;239(2):489–92

Insulin activation of lipogenesis in isolated mammary acini from lactating rats fed on a high–fat diet. Evidence that acetyl–CoA carboxylase is a site of action. Munday MR, et al. **Biochem J** 1987 Mar 15;242(3):905–11

A novel whey protein synthesized only in late lactation by the mammary gland from the tammar (Macropus eugenii). Nicholas KR, et al. **Biochem J** 1987 Feb 1;241(3):899–904

Arteriovenous glucose differences across the mammary gland of the fed, starved, and re–fed lactating rat. Page T, et al. **Biochem J** 1986 Oct 15;239(2):269–74

Incorporation into phospholipid vesicles of pore–like properties from Golgi membranes of lactating–rat mammary gland. Wallace AV, et al. **Biochem J** 1986 May 15;236(1):91–6

The effect of goat milk fractions on synthesis of milk constituents by rabbit mammary explants and on milk yield in vivo. Evidence for autocrine control of milk secretion. Wilde CJ, et al. **Biochem J** 1987 Feb 15;242(1):285–8

Binding and structural characteristics of a soluble lactogen–binding protein from rabbit mammary–gland cytosol. Ymer SI, et al. **Biochem J** 1986 Aug 1; 237(3):813–20

Effect of kinase C inhibitor, gossypol, on the actions of prolactin in cultured mouse mammary tissues. Etindi RN, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):345–9

Secretion–coupled protein degradation: studies on mammary casein. O'Hare M, et al. **Biochim Biophys Acta** 1986 Oct 31;889(1):49–58

Effect of tubulozole, a new synthetic microtubule inhibitor, on the induction of casein gene expression by prolactin. Servely JL, et al. **Biol Cell** 1987;59(2):121–7

Glutathione metabolism under the influence of hydroperoxides in the lactating mammary gland of the rat. Effect of glucose and extracellular ATP. Estrela JM, et al. **Biosci Rep** 1987 Jan;7(1):23–31

Estrogen receptor binding to nuclei from normal and neoplastic rat mammary tissues in vitro. Klinge CM, et al. **Cancer Res** 1987 Jun 1;47(11):2852–9

Peroxidative metabolism of a carcinogen, N–hydroxy–N–2–fluorenylacetamide, by rat uterus and mammary gland in vitro. Malejka–Giganti D, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6200–6

Quantitation of benzo(a)pyrene and 7,12–dimethylbenz(a)anthracene binding to nuclear macromolecules in human and rat mammary epithelial cells. Moore CJ, et al. **Cancer Res** 1987 May 15;47(10):2609–13

Interspecies differences in the major DNA adducts formed from benzo(a)pyrene but not 7,12–dimethylbenz(a)anthracene in rat and human mammary cell cultures. Moore CJ, et al. **Cancer Res** 1987 Aug 15;47(16):4402–6

Interspecies comparison of polycyclic aromatic hydrocarbon metabolism in human and rat mammary epithelial cells. Moore CJ, et al. **Cancer Res** 1986 Oct;46(10):4946–52

Characterization of insulin binding to bovine liver and mammary microsomes. Smith DH, et al. **Comp Biochem Physiol [A]** 1986;85(1):161–9

Identification and characterization of a fatty acid binding protein in bovine mammary gland. Whetstone HD, et al. **Comp Biochem Physiol [B]** 1986;85(3):687–92

The transfer of radiolabelled n–6 essential fatty acids by the mammary system of the tree–shrew (Tupia tana). Williams G, et al. **Comp Biochem Physiol [B]** 1987;86(3):575–80

Hormonally induced elevations of alpha– and beta–casein mRNA levels are blocked by cyclic adenine nucleotide and prostaglandins. Schaefer FV. **Differentiation** 1986; 32(3):238–44

Glucocorticoid receptor of rat mammary gland during pregnancy and lactation. Alexandrová M. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2–3):293–300

Mechanisms of transfer of steroid hormones and growth factors into milk. Heap RB, et al. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2–3):101–18

Adrenocortical hormones and lactation: metabolism of 3H–corticosterone and 3H–aldosterone by rat mammary gland minces and by the nuclear fraction of the homogenates. Pearlman WH, et al. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2–3):301–9

Secretion of oestrone sulphate into milk. West DW, et al. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2–3):311–23

Milk protein synthesis by mammary glands of vitamin D–deficient mice. Bhattacharjee M, et al. **Endocrinology** 1987 Sep;121(3):865–74

Prolactin mediation of estrogen–induced changes in mammary tissue estrogen and progesterone receptors. Muldoon TG. **Endocrinology** 1987 Jul;121(1):141–9

Comparison of the roles of insulin and insulin–like growth factor I in casein gene expression and in the development of alpha–lactalbumin and glucose transport activities in the mouse mammary epithelial cell. Prosser CG, et al. **Endocrinology** 1987 Apr;120(4):1411–6

Solubilization and properties of oxytocin receptors from rat mammary gland. Soloff MS, et al. **Endocrinology** 1987 Jun;

120(6):2474–82

Binding studies with rat myometrial and mammary gland membranes on effects of manganese on relative affinities of receptors for oxytocin analogs. Soloff MS, et al. **Endocrinology** 1986 Oct;119(4):1564–9

Metabolism of 7,12–dimethylbenz[a]anthracene by mouse mammary cells in serum–free organ culture medium. Menon R, et al. **Eur J Cancer Clin Oncol** 1987 Apr; 23(4):395–400

DNA–synthesis under the effect of a placental protein in mammary gland in culture. Calaf G, et al. **Horm Metab Res** 1987 Jan;19(1):43–4

Prolactin actions on casein and lipid biosynthesis in mouse and rabbit mammary gland explants are abolished by p–bromphenacyl bromide and quinacrine, phospholipase A2 inhibitors. Rillema JA, et al. **Horm Metab Res** 1986 Oct;18(10):672–4

Transferrin is a major mouse milk protein and is synthesized by mammary epithelial cells. Lee EY, et al. **In Vitro Cell Dev Biol** 1987 Mar;23(3):221–6

Glycerogenic pathway in the rat mammary gland. Jiménez J, et al. **Int J Biochem** 1987;19(2):201–4

Effect of exogenous long–chain fatty acids on individual fatty acid synthesis by dispersed ruminant mammary gland cells. Hansen HO, et al. **J Dairy Sci** 1987 Jul;70(7):1350–4

Effect of exogenous long–chain fatty acids on lipid biosynthesis in dispersed ruminant mammary gland epithelial cells: esterification of long–chain exogenous fatty acids. Hansen HO, et al. **J Dairy Sci** 1987 Jul;70(7):1344–9

Quantification of progesterone binding in mammary tissue of pregnant ewes. Smith JJ, et al. **J Dairy Sci** 1987 Jun; 70(6):1178–85

Protein synthesis in mammary acini isolated from lactating rats: effect of maternal diet. Geursen A, et al. **J Nutr** 1987 Apr;117(4):769–75

Milk lipid synthesis and secretion during milk stasis in the rat. Grigor MR, et al. **J Nutr** 1986 Sep;116(9):1789–97

Influence of prior dietary protein intake on metabolism, DNA binding and adduct formation of 7,12–dimethylbenz[a]anthracene in isolated rat mammary epithelial cells. Singletary KW, et al. **J Nutr** 1987 Mar; 117(3):587–92

Effect of fasting on amino acid metabolism by lactating mammary gland: studies in women and rats. Viña JR, et al. **J Nutr** 1987 Mar;117(3):533–8

Isolation and purification of cellular retinol binding protein (CRBP) from goat mammary gland. Goyal KC, et al. **Life Sci** 1987 Mar 2;40(9):863–70

Effects of chronic ethanol treatment on amino acid uptake and enzyme activities in the lactating rat mammary gland. Viñas O, et al. **Life Sci** 1987 May 4;40(18):1745–9

Histone phosphorylation in explants of mouse mammary glands and tumors. Sluyser M, et al. **Mol Biol Rep** 1986; 11(4):237–45

Nuclear proteins from lactating mammary glands bind to the promoter of a milk protein gene. Lubon H, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2103–21

Influence of a reconstituted basement membrane and its components on casein gene expression and secretion in mouse mammary epithelial cells. Li ML, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):136–40

Competitive inhibition of [3H]dexamethasone binding to mammary glucocorticoid receptor by leupeptin. Hsieh LC, et al. **Proc Soc Exp Biol Med** 1987 Mar;184(3):295–9

Measurement by radioimmunoassay of casein content in rabbit mammary gland during pregnancy and after prolactin stimulation in organ culture. Jahn G, et al. **Proc Soc Exp Biol Med** 1987 Jan;184(1):19–23

Cyclic nucleotides and protein phosphorylation in mouse mammary glands: effects of estrogen and progesterone administered in vivo. Sheffield LG, et al. **Proc Soc Exp Biol Med** 1987 Jul;185(3):283–90

Secretion of hydrogen peroxide by phagocytic cells from bovine non–lactating mammary glands. Mullan NA, et al. **Res Vet Sci** 1986 Nov;41(3):365–70

[Treatment of acute mastitis of cattle. 2. Udder tolerance of glucose solutions] Reinhold P, et al. **Arch Exp Veterinarmed** 1987 Jan;41(1):104–13 (Eng. Abstr.) **(Ger)**

[Accumulation of adenosine–5'–triphosphate by cell membranes of rabbit mammae after administration of prolactin and its possible value for hormonal signal conduction] Karelin AA, et al. **Akush Ginekol (Mosk)** 1987 May;(5):40–2 (Eng. Abstr.) **(Rus)**

[Localization of calcium in the secretory cells of the mammary glands in response to oxytocin] Galantsev VP, et al. **Arkh Anat Gistol Embriol** 1987 Jan;92(1):69–74 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

In vitro growth inhibition of mastitis pathogens by bovine teat skin normal flora. Woodward WD, et al. **Can J Vet Res** 1987 Jan;51(1):27–31

Effects of teat dipping on intramammary infections by staphylococci other than Staphylococcus aureus. Hogan JS, et al. **J Dairy Sci** 1987 Apr;70(4):873–9

Field trial evaluation of premilking teat disinfection. Pankey JW, et al. **J Dairy Sci** 1987 Apr;70(4):867–72

The prevalence of teat canal infections in lactating dairy cows as determined from foremilk and teat canal swab samples. du Preez JH. **J S Afr Vet Assoc** 1986 Dec;57(4):193–8

Comparison of various criteria for determining the health status of the bovine udder. Du Preez JH. **J S Afr Vet Assoc** 1987 Mar;58(1):9–14

Evaluation of a rapid inoculum standardization system for antimicrobial susceptibility testing of bacterial isolates from the bovine mammary gland. Watts JL, et al. **Vet Microbiol** 1986 Sep;12(3):269–76

[Effectiveness of various concentrations of iodophors in artificially contaminated excised teats] Späth HM, et al. **Schweiz Arch Tierheilkd** 1986 Dec;128(12):623–31 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Hyperacute Escherichia coli mastitis of cattle in the immediate post–partum period. Frost AJ, et al. **Aust Vet J** 1986 Oct;63(10):327–31

Canine and feline mammary neoplasms. Bostock DE. **Br Vet J** 1986 Nov–Dec;142(6):506–15

Enhanced in vitro proliferation and in vivo tumorigenic potential of mammary epithelium from BALB/c mice exposed in vivo to gamma–radiation and/or 7,12–dimethylbenz[a]anthracene. Adams LM, et al. **Cancer Res** 1987 Aug 15;47(16):4425–31

In vitro transformation of mouse mammary epithelial cells grown serum–free inside collagen gels. Guzman RC, et al. **Cancer Res** 1987 Jan 1;47(1):275–80

Loss of basement membrane deposits and development of invasive potential by virally–transformed rat mammary cells are independent of collagenase production. Warburton MJ, et al. **Int J Cancer** 1987 Aug 15;40(2):270–7

Normal but not carcinomatous primary rat mammary epithelium: readily transplanted to and maintained in the athymic nude mouse. Welsch CW, et al. **JNCI** 1987 Mar; 78(3):557–65

Cytologic differentiation of benign from malignant canine mammary tumors. Allen SW, et al. **Vet Pathol** 1986 Nov; 23(6):649–55

Pathology of experimental ureaplasma mastitis in ewes. Kennedy S, et al. **Vet Pathol** 1987 Jul;24(4):302–7

Mammary tumors in a colony of beagle dogs. Moulton JE, et al. **Vet Pathol** 1986 Nov;23(6):741–9

[The role of prolactin and sex steroids in the pathophysiology of the milk gland. 2. Morphological appearance of the milk gland in pseudopregnant female rabbits after active immunization with prolactin] Wołczyński S, et al. **Ginekol Pol** 1986 May;57(5):327–31 (Eng. Abstr.) **(Pol)**

[The role of prolactin and sex steroids in the pathophysiology of the milk gland. 1. Morphological appearance of the milk gland in pseudopregnant female rabbits after active immunization with estradiol] Wołczyński S, et al. **Ginekol Pol** 1986 May;57(5):321–6 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Wheat gluten during pregnancy and lactation: effects on mammary gland development and pup viability. Jansen GR, et al. **Am J Clin Nutr** 1987 Aug;46(2):250–7

Bovine leukocytes in mammary secretions during involution: surface protein changes. Hurley WL, et al. **Am J Vet Res** 1986 Nov;47(11):2418–22

Separation of rabbit mammary–gland prolactin receptors by ion–exchange chromatography, h.p.l.c.–gel filtration and ultracentrifugation. Sakai S, et al. **Biochem J** 1986 Aug 1;237(3):647–53

Pituitary–induced lactation in mammary gland explants from the pregnant tammar (Macropus eugenii): a negative role for cyclic AMP. Maher F, et al. **Comp Biochem Physiol [A]** 1987;87(4):1107–17

1,25–Dihydroxycholecalciferol receptor regulation in hormonally induced differentiation of mouse mammary gland in culture. Mezzetti G, et al. **Endocrinology** 1987 Jun; 120(6):2488–93

An endogenous protein inhibitor of DNA polymerase alpha in normal and neoplastic rat mammary tissues. Klinge CM, et al. **Int J Biochem** 1987;19(5):461–6

Effects of long–term thrice–daily milking on mammary enzyme activity, cell population and milk yield in the goat. Wilde CJ, et al. **J Anim Sci** 1987 Feb;64(2):533–9

Alpha–lactalbumin in bovine serum: relationships with udder development and function. McFadden TB, et al. **J Dairy Sci** 1987 Feb;70(2):259–64

Relationship between milkability and adrenoceptor concentrations in teat tissue in primiparous cows. Roets E, et al. **J Dairy Sci** 1986 Dec;69(12):3120–30

Regeneration of mammary glands in vivo from isolated mammary ducts. Ormerod EJ, et al. **J Embryol Exp Morphol** 1986 Jul;96:229–43

Mammary resistance: a possible controlling factor in milk ejection. Lau C, et al. **J Endocrinol** 1987 Mar;112(3):379–85

Inhibition of casein and fat synthesis and alpha–lactalbumin secretion by progesterone in explants from bovine lactating mammary glands. Shamay A, et al. **J Endocrinol** 1987 Apr; 113(1):81–8

Compensatory changes in mammary development and function after hemimastectomy in lactating goats. Knight CH. **J Reprod Fertil** 1987 Mar;79(2):343–52

Expression of six mouse major urinary protein genes in the mammary, parotid, sublingual, submaxillary, and lachrymal glands and in the liver. Shahan K, et al. **Mol Cell Biol** 1987 May;7(5):1947–54

Nutritional effects on the fetus and mammary gland during pregnancy. Mellor DJ. **Proc Nutr Soc** 1987 Jul;46(2):249–57 (64 ref.)

Water–soluble prolactin receptors from porcine mammary gland. Berthon P, et al. **Proc Soc Exp Biol Med** 1987 Mar; 184(3):300–6

[Effect of low vacuum on the health status of the udder in the machine milking of cows] Bozhkova G, et al. **Vet Med Nauki** 1987;24(2):40–5 (Eng. Abstr.) **(Bul)**

PHYSIOPATHOLOGY

Pathogenesis of subclinical bovine mastitis: a comparison of the dynamic balances of various subclinical udder health states monitored by means of single–, double– and triple–parameter laboratory techniques. Giesecke WH, et al. **J S Afr Vet Assoc** 1986 Sep;57(3):139–43

SECRETION

Hemolytic and bactericidal activities of bovine complement in mammary secretions of cows during the early nonlactating (dry) period. Poutrel B, et al. **Am J Vet Res** 1986 Sep;47(9):1961–2

A method for preparation of IgA from bovine mammary secretions. Nielsen K. **Can J Vet Res** 1986 Apr;50(2):227–31

Casein secretion by mammary gland epithelia from collagen gel cultures and lactating glands. Rocha V, et al. **J Cell Physiol** 1987 Aug;132(2):343–8

In vitro growth of mastitis pathogens in mammary secretions of the dry and peripartum periods. Dutt KW, et al. **J Dairy Sci** 1986 Sep;69(9):2408–15

Mammary function during the nonlactating period: enzyme, lactose, protein concentrations, and pH of mammary secretions. Hurley WL. **J Dairy Sci** 1987 Jan;70(1):20–8

Effects of removing milk from the mammary ducts and alveoli, or of diluting stored milk, on the rate of milk secretion in the goat. Henderson AJ, et al. **Q J Exp Physiol** 1987 Jan;72(1):13–9

Relationships between plasma hormone concentrations, udder development and the production of early mammary secretions in twin–bearing ewes on different planes of nutrition. Mellor DJ, et al. **Q J Exp Physiol** 1987 Jul; 72(3):345–56

Mammary gland secretion from a newborn calf [letter] Gardiner MS. **Vet Rec** 1987 Jun 20;120(25):603–4

[Cell count and cell pattern of udder secretion of cows before the dry period and at the beginning of the dry period] Hirsch HP. **Arch Exp Veterinarmed** 1987 Jan;41(1):1–6 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Ultrastructural studies on white adipocyte differentiation in the mouse mammary gland following estrogen and relaxin. Bani–Sacchi T, et al. **Acta Anat (Basel)** 1987;129(1):1–9

Collagen metabolism and basement membrane formation in cultures of mouse mammary epithelial cells. Induction of 'assembly' on fibrillar type I collagen substrata. David G, et al. **Exp Cell Res** 1987 Jun;170(2):402–16

Cell surface proteoglycan associates with the cytoskeleton at the basolateral cell surface of mouse mammary epithelial cells. Rapraeger A, et al. **J Cell Biol** 1986 Dec;103(6 Pt 2):2683–96

Functional differentiation of virgin mouse mammary epithelium in explant culture is dependent upon extracellular proline. Smith GH. **J Cell Physiol** 1987 May; 131(2):190–9

[The histology and histochemistry of the epithelium of the large milk ducts and milk reservoirs with special attention to their function in the system of local defense mechanisms in the cow udder] Michel G, et al. **Schweiz Arch Tierheilkd** 1987 Jun;129(6):319–26 (Eng. Abstr.) **(Ger)**

[Electron microscopic studies of the differentiation of the mammary gland parenchyma in goats during pregnancy and early lactation] Augsburger H. **Zentralbl Veterinarmed [A]** 1987 Aug;34(7):529–44 (Eng. Abstr.) **(Ger)**

[Ultrastructure of the proteoglycan component of the extracellular matrix in the intact mammary gland and in benign and malignant mammary gland tumors] Kondalenko VF, et al. **Biull Eksp Biol Med** 1986 Sep;102(9):332–5 (Eng. Abstr.) **(Rus)**

MAMMALS

Veterinary work with non–domesticated pets. II. Mammals. Cooper JE. **Br Vet J** 1986 Sep–Oct;142(5):420–33

Comparison of recovery from hemorrhage in birds and mammals. Schindler SL, et al. **Comp Biochem Physiol [A]** 1987;87(3):533–42 (86 ref.)

Joint study on the teratogenic sensitivity of the Pika (Ochotona rufescens rufescens) to selected drugs. Nishimura H, et al. **Jikken Dobutsu** 1986 Oct;35(4):387–408

How do flightless mammals colonize oceanic islands? [news] Diamond JM. **Nature** 1987 Jun 4–10;327(6121):374

Care of mammalian bites. Trott A. **Pediatr Infect Dis J** 1987 Jan;6(1):8–10 (20 ref.)

The enamel ultrastructure of multituberculate mammals: a review. Krause DW, et al. **Scan Electron Microsc** 1986;(Pt 4):1591–607

Spontaneous primary myopathies in domestic mammals: a review. Goedegebuure SA. **Vet Q** 1987 Apr;9(2):155–71 (112 ref.)

[Contamination of game in Schleswig–Holstein. 2. Residues of dieldrin, heptachlor epoxide and other cyclodiene

insecticides in the liver fat of hares (Lepus europaeus L.)] Rimkus G, et al. **Z Lebensm Unters Forsch** 1987 Apr; 184(4):308–12 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Preliminary thoughts on the incidence, structure and function of the mammalian vomeronasal organ. Harrison D. **Acta Otolaryngol (Stockh)** 1987 May–Jun;103(5–6):489–95

The mammalian carotid body. Pallot DJ. **Adv Anat Embryol Cell Biol** 1987;102:1–91

Stride length and its determinants in humans, early hominids, primates, and mammals. Reynolds TR. **Am J Phys Anthropol** 1987 Jan;72(1):101–15

Twelfth Daniel C. Baker Jr memorial lecture: Victor Negus: 57 years later. Harrison DF. **Ann Otol Rhinol Laryngol** 1986 Nov–Dec;95(6 Pt 1):561–6

The organization of neocortex in mammals: implications for theories of brain function. Kaas JH. **Annu Rev Psychol** 1987;38:129–51 (64 ref.)

The West Indian manatee (Trichechus manatus) lacks a vomeronasal organ. Mackay–Sim A, et al. **Brain Behav Evol** 1985;27(2–4):186–94

Calculating numbers of tissue progenitor cells using chimaeric animals. Mead R, et al. **Dev Biol** 1987 May; 121(1):273–6

A species comparison of alveolar size and surface forces. Lum H, et al. **J Appl Physiol** 1987 May;62(5):1865–71

The dendritic complexity and innervation of submandibular neurons in five species of mammals. Snider WD. **J Neurosci** 1987 Jun;7(6):1760–8

Biological features of the skin of the pika, Ochotona rufescens rufescens: histological structure and enzymatic histochemical reactivity. Sakai T, et al. **Jikken Dobutsu** 1987 Apr;36(2):125–33

Morphology and microvascular pathways in the spleen of Afghan pikas (Ochotona rufescens rufescens). Abe M, et al. **Nippon Juigaku Zasshi** 1986 Aug;48(4):655–65

[Morphogenesis and phylogenesis of the middle ear of mammals: some considerations] Louryan S. **Rev Med Brux** 1987 Mar;8(3):141–4 (15 ref.) (Eng. Abstr.) **(Fre)**

[Nomenclature apropos of the wing of the presphenoidal bone] Lignereux Y, et al. **Schweiz Arch Tierheilkd** 1987 Jun;129(6):309–18 (Eng. Abstr.) **(Fre)**

[The 3 hair cycle in domestic mammals from the functional and morphologic viewpoint] Schwarz R, et al. **Berl Munch Tierarztl Wochenschr** 1986 Aug 1;99(8):274–8 (Eng. Abstr.) **(Ger)**

[Theory of thermally-motivated form adaptation in land mammals, especially humans] Theves B. **Z Morphol Anthropol** 1986;76(3):277–311 (Eng. Abstr.) **(Ger)**

[Refinement of the terminology for the dental formula of mammals] Skopakov KhS. **Arkh Anat Gistol Embriol** 1987 Jun;92(6):63–8 **(Rus)**

[Dark and light cells of the mammalian cutaneous tubular glands and the problems of classifying these glands] Sokolov VE, et al. **Izv Akad Nauk SSSR [Biol]** 1986 Sep–Oct;(5):668–79 (29 ref.) (Eng. Abstr.) **(Rus)**

BLOOD

Speciation of HDL. Kane JP. **Adv Exp Med Biol** 1986; 201:29–35 (51 ref.)

[Adenine and pyridine nucleotides in erythrocytes from various mammalian species] Cucchiarini L, et al. **Boll Soc Ital Biol Sper** 1986 Jul 30;62(7):853–6 (Eng. Abstr.) **(Ita)**

CLASSIFICATION

[Textual research on leishu according to Bencao (Chinese materia medica)] Wang N. **Chung Yao Tung Pao** 1987 Mar; 12(3):3–5 **(Chi)**

EMBRYOLOGY

An historical survey of some basic contributions to causal mammalian embryology [published erratum appears in **Hum Reprod** 1986 Nov;1(7):496] Mulnard JG. **Hum Reprod** 1986 Sep;1(6):373–80

[A new concept of the normal and pathological development of the primary palate. I. The normal fate of Hochstetter's epithelial wall] Otto HD, et al. **Anat Anz** 1987; 163(3):213–23 (Eng. Abstr.) **(Ger)**

[Does the neck have a primary serosal cavity?] Künzel E. **Berl Munch Tierarztl Wochenschr** 1987 Mar 1;100(3):74–8 (Eng. Abstr.) **(Ger)**

GENETICS

Abstracts of papers presented at the 13th Mammalian Molecular and Biochemical Genetics Workshop. London, 26 and 27 November 1986. **Genet Res** 1987 Jun;49(3):257–61

Termination–reinitiation occurs in the translation of mammalian cell mRNAs. Peabody DS, et al. **Mol Cell Biol** 1986 Jul;6(7):2695–703

A land–bridge island perspective on mammalian extinctions in western North American parks. Newmark WD. **Nature** 1987 Jan 29–Feb 4;325(6103):430–2

Nucleotide sequence of hare adult beta-globin gene with flanking regions. Pauplin Y, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5899

A mammalian mitochondrial RNA processing activity contains nucleus-encoded RNA. Chang DD, et al. **Science** 1987 Mar 6;235(4793):1178–84

IMMUNOLOGY

Standardized allergenic extracts derived from mammals. Ohman JL Jr, et al. **Clin Rev Allergy** 1987 Feb;5(1):37–47 (94 ref.)

Evolution of low molecular weight immunoglobulins. V. Degree of antigenic relationship between the 7S immunoglobulins of mammals, birds, and lower vertebrates to the turkey IgY. Hädge D, et al. **Dev Comp Immunol** 1986 Summer;10(3):377–85

Determination of the serological sex-specific (Sxs) antigen ("H-Y antigen") in birds and mammals using high-titer antisera and a sensitive urease ELISA. Bradley MP, et al. **Hum Genet** 1987 Aug;76(4):352–6

[Physiologic and pathologic aspects of the immune system] Leibold W. **DTW** 1987 Apr 8;94(4):215–7 (Eng. Abstr.) **(Ger)**

METABOLISM

Localization of actin in mammalian spermatozoa: a comparison of eight species. Flaherty SP, et al. **Anat Rec** 1986 Dec;216(4):504–15

Mammalian urea cycle enzymes. Jackson MJ, et al. **Annu Rev Genet** 1986;20:431–64 (237 ref.)

Aerobic and anaerobic glycolysis in mammals and reptiles in vivo. Coulson RA. **Comp Biochem Physiol [B]** 1987; 87(2):207–16 (26 ref.)

Comparative aspects of hexokinase and phosphofructokinase activity in intermuscular adipose tissue. Pond CM, et al. **Comp Biochem Physiol [B]** 1987;87(3):543–51

Aquatic versus mammalian toxicology: applications of the comparative approach. Guarino AM. **Environ Health Perspect** 1987 Apr;71:17–24 (14 ref.)

Comparative metabolism of copper. Brewer NR. **J Am Vet Med Assoc** 1987 Mar 15;190(6):654–8 (97 ref.)

Identification of mammalian feces by thin layer chromatography of coprostanol: collaborative study. Hoskin GP. **J Assoc Off Anal Chem** 1987 May–Jun; 70(3):499–501

Identification of mammalian feces by coprostanol thin layer chromatography: method development. Hoskin GP, et al. **J Assoc Off Anal Chem** 1987 May–Jun;70(3):496–8

Extracellular mammalian polysaccharides: glycosaminoglycans and proteoglycans. Beaty NB, et al. **J Chromatogr** 1987 Jul 17;418:187–222 (215 ref.)

Prenatal development of lung antioxidant enzymes in four species. Frank L, et al. **J Pediatr** 1987 Jan;110(1):106–10

Immunoreactive collagen in avian and mammalian fossils. Rowley MJ, et al. **Naturwissenschaften** 1986 Oct; 73(10):620–3

[Comparative analysis of the peroxidase activity of myoglobins in mammals] Sukhomlinov BF, et al. **Zh Evol Biokhim Fiziol** 1987 Jan–Feb;23(1):37–41 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Parasitic adaptation of pathogenic fungi to mammalian hosts. Dei Cas E, et al. **CRC Crit Rev Microbiol** 1986; 13(2):173–218 (191 ref.)

A family outbreak of tularemia. Greco D, et al. **Eur J Epidemiol** 1985 Sep;1(3):232–3

[Results of a serologic and virologic examination of wild Mongolian mammals and birds for arboviruses] Chunikhin SP, et al. **Med Parazitol (Mosk)** 1987 May–Jun;(3):10–2 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Lyme disease ecology in Wisconsin: distribution and host preferences of Ixodes dammini, and prevalence of antibody to Borrelia burgdorferi in small mammals. Godsey MS Jr, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):180–7

Effects of parasites on marine mammals. Geraci JR, et al. **Int J Parasitol** 1987 Feb;17(2):407–14 (80 ref.)

Effects of marine mammal parasites on human health. Oshima T, et al. **Int J Parasitol** 1987 Feb;17(2):415–21 (49 ref.)

The scrub hare, a reliable indicator of the presence of Hyalomma ticks in the Cape Province. Horak IG, et al. **J S Afr Vet Assoc** 1987 Mar;58(1):15–9

A new genus of the intestinal nematode, Lagostrongylus (Heligmonellidae) from lagomorphs: a review of related genera of subfamilies Heligmonellinae and Brevistriatinae. Fukumoto S, et al. **Jpn J Vet Res** 1986 Oct;34(3–4):241–50

Morphological study of the synlophe of the intestinal nematode, Heligmonella leporis (Schulz, 1931) Durette-Desset, 1971 (Heligmonellidae: Trichostrongyloidea) from lagomorphs in Japan. Fukumoto S, et al. **Jpn J Vet Res** 1986 Oct;34(3–4):203–17

Ohbayashinema abei sp. n. (Nematoda: Heligmosomidae) from the northern pika, Ochotona hyperborea Pallas, in Hokkaido, Japan. Fukumoto S, et al. **Jpn J Vet Res** 1986 Oct;34(3–4):233–40

Parasites of domestic and wild animals in South Africa. XXI. Arthropod parasites of vaal ribbok, bontebok and scrub hares in the western Cape Province. Horak IG, et al. **Onderstepoort J Vet Res** 1986 Dec;53(4):187–97

[Seroepidemiologic study of 2 foci of babesiosis of small mammals in Switzerland] Gern L, et al. **Schweiz Arch Tierheilkd** 1986 Nov;128(11):587–600 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

The digestive strategy and efficiency of the West Indian manatee, Trichechus manatus. Burn DM. **Comp Biochem Physiol [A]** 1986;85(1):139–42

On the relation between basal and maximum metabolic rate in mammals. Koteja P. **Comp Biochem Physiol [A]** 1987; 87(1):205–8

Comparative aspects of digestion in the hindgut of mammals. The colonic separator mechanism (CSM) (a review). Björnhag G. **DTW** 1987 Jan 8;94(1):33–6 (28 ref.)

Protozoological approaches to the cellular basis of mammalian stress repair. Hutner SH, et al. **Int Rev Cytol** 1987;100:371–425 (273 ref.)

Seasonal variations in the pituitary response to LHRH in the brown hare (Lepus europaeus). Caillol M, et al. **J Reprod Fertil** 1986 Nov;78(2):479–86

Use of chimaeras to study development. Anderson GB. **J Reprod Fertil [Suppl]** 1987;34:251–9 (79 ref.)

Changes in the tooth enamel of early Paleocene mammals allowing increased diet diversity. von Koenigswald W, et al. **Nature** 1987 Jul 9–15;328(6126):150–2

Distribution of fibroblast growth factor in the central and peripheral nervous systems of various mammals. Logan A, et al. **Neurosci Lett** 1986 Aug 29;69(2):162–5

Responses of neurons in isolated preparations of the mammalian central nervous system. Jahnsen H. **Prog Neurobiol** 1986;27(4):351–72 (125 ref.)

Membrane and synaptic properties of identified neurons in the olfactory bulb. Mori K. **Prog Neurobiol** 1987; 29(3):275–320 (184 ref.)

Sex ratio variation in mammals. Clutton-Brock TH, et al. **Q Rev Biol** 1986 Sep;61(3):339–74 (221 ref.)

Biological basis for extrapolation across mammalian species. Davidson IW, et al. **Regul Toxicol Pharmacol** 1986 Sep; 6(3):211–37

Lung mechanical properties in the West Indian Manatee (Trichechus manatus). Bergey M, et al. **Respir Physiol** 1987 Apr;68(1):63–75

Veterinary care of rodents and lagomorphs. Cooper JE. **Tijdschr Diergeneeskd** 1987 Apr;112 Suppl 1:98S–103S

[Modern views on the respiratory center in mammals] Zhang H, **Sheng Li Ko Hsueh Chin Chan** 1986 Jul;17(3):210–5 (63 ref.) **(Chi)**

[Direction of evolutionary changes in the peripheral acoustic analyzer in mammals under different ecologic states] Solntseva GN. **Zh Obshch Biol** 1987 May–Jun;48(3):403–10 (Eng. Abstr.) **(Rus)**

MAMMARY ARTERIES see under **THORACIC ARTERIES**

MAMMARY CANCER VIRUS

CLASSIFICATION

A standardized nomenclature for endogenous mouse mammary tumor viruses. Kozak C, et al. **J Virol** 1987 May; 61(5):1651–4

DRUG EFFECTS

Effects of cytoskeletal disrupting agents on mouse mammary tumor virus replication. Maldarelli F, et al. **Virus Res** 1987 Jun;7(4):281–95

GENETICS

Genetic resistance to mammary tumorigenesis in a mouse strain with high murine mammary tumor virus expression. Aoyama A, et al. **Cancer Lett** 1987 Aug;36(2):119–23

Steroid-dependent interaction of transcription factors with the inducible promoter of mouse mammary tumor virus in vivo. Cordingley MG, et al. **Cell** 1987 Jan 30; 48(2):261–70

Coexpression of MMTV/v-Ha-ras and MMTV/c-myc genes in transgenic mice: synergistic action of oncogenes in vivo. Sinn E, et al. **Cell** 1987 May 22;49(4):465–75

Lymphohematopoietic and other malignant neoplasms occurring spontaneously in transgenic mice carrying and expressing MTV/myc fusion genes. Pattengale P, et al. **Curr Top Microbiol Immunol** 1986;132:9–16

The hormone response element of the mouse mammary tumour virus DNA mediates the progestin and androgen induction of transcription in the proviral long terminal repeat region. Cato AC, et al. **EMBO J** 1987 Feb;6(2):363–8

The hormone regulatory element of mouse mammary tumour virus mediates progesterone induction. Cato AC, et al. **EMBO J** 1986 Sep;5(9):2237–40

The v-mos and H-ras oncogene expression represses glucocorticoid hormone-dependent transcription from the mouse mammary tumor virus LTR. Jaggi R, et al. **EMBO J** 1986 Oct;5(10):2609–16

Interaction of the TGGCA-binding protein with upstream sequences is required for efficient transcription of mouse mammary tumor virus. Miksicek R, et al. **EMBO J** 1987 May;6(5):1355–60

Transfection of the int-1 mammary oncogene in cuboidal RAC mammary cell line results in morphological transformation and tumorigenicity. Rijsewijk F, et al. **EMBO J** 1987 Jan;6(1):127–31

Oncogene expression during progression of mouse mammary

tumor cells; activity of a proviral enhancer and the resulting expression of int-2 is influenced by the state of differentiation. Sonnenberg A, et al. **EMBO J** 1987 Jan; 6(1):121-5

Expression of retroviral vectors in transgenic mice obtained by embryo infection. Stewart CL, et al. **EMBO J** 1987 Feb;6(2):383-8

Inheritance of a mutant histocompatibility gene and a new mammary tumor virus genome in the B6.KH-84 mouse strain. Colombo MP, et al. **Immunogenetics** 1987; 26(1-2):99-104

The endogenous retrovirus Mtv-8 on mouse chromosome 6 maps near several kappa light chain markers. Yang JN, et al. **Immunogenetics** 1987;25(4):222-7

Glucocorticoid-regulated glycoprotein maturation in wild-type and mutant rat cell lines. Firestone GL, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2323-31

Glucocorticoid agonists as well as antagonists are effective inducers of mouse mammary tumor virus RNA in mouse mammary tumor cells treated with inhibitors of ADP-ribosylation. Johnson GS, et al. **J Cell Physiol** 1986 Oct;129(1):36-42

Distinct sequence elements involved in the glucocorticoid regulation of the mouse mammary tumor virus promoter identified by linker scanning mutagenesis. Buetti E, et al. **J Mol Biol** 1986 Aug 5;190(3):379-89

Functional analysis of the glucocorticoid regulatory elements present in the mouse mammary tumor virus long terminal repeat. A synthetic distal binding site can replace the proximal binding domain. Kühnel B, et al. **J Mol Biol** 1986 Aug 5;190(3):367-78

The mouse mammary tumor virus long terminal repeat directs expression in epithelial and lymphoid cells of different tissues in transgenic mice. Choi YW, et al. **J Virol** 1987 Oct;61(10):3013-9

Mammary tumorigenesis in feral mice: identification of a new int locus in mouse mammary tumor virus (Czech II)-induced mammary tumors. Gallahan D, et al. **J Virol** 1987 Jan;61(1):66-74

A new common integration region (int-3) for mouse mammary tumor virus on mouse chromosome 17. Gallahan D, et al. **J Virol** 1987 Jan;61(1):218-20

Structure of a human retroviral sequence related to mouse mammary tumor virus. May FE, et al. **J Virol** 1986 Nov; 60(2):743-9

Activation of int-1 and int-2 mammary oncogenes in hormone-dependent and -independent mammary tumors of GR mice. Mester J, et al. **J Virol** 1987 Apr;61(4):1073-8

Complete nucleotide sequence of a milk-transmitted mouse mammary tumor virus: two frameshift suppression events are required for translation of gag and pol. Moore R, et al. **J Virol** 1987 Feb;61(2):480-90

Genetic marker patterns and endogenous mammary tumor virus genes in inbred mouse strains of Japan. Imai S, et al. **Jikken Dobutsu** 1986 Jul;35(3):263-73

Androgen regulation by the long terminal repeat of mouse mammary tumor virus. Darbre P, et al. **Mol Cell Biol** 1986 Aug;6(8):2847-54

Glucocorticoid-regulated compartmentalization of cell surface-associated glycoproteins in rat hepatoma cells: evidence for an independent response that requires receptor function and de novo RNA synthesis. Haffar OK, et al. **Mol Cell Biol** 1987 Apr;7(4):1508-17

A distinct glucocorticoid hormone response regulates phosphoprotein maturation in rat hepatoma cells. Karlsen K, et al. **Mol Cell Biol** 1986 Feb;6(2):574-85

Multiple hormone-inducible enhancers as mediators of differential transcription. Toohey MG, et al. **Mol Cell Biol** 1986 Dec;6(12):4526-38

Steroid-free glucocorticoid receptor binds specifically to mouse mammary tumour virus DNA. Willmann T, et al. **Nature** 1986 Dec 18-31;324(6098):688-91

Insertion elements and transitions in cloned mouse mammary tumour virus DNA: further delineation of the poison sequences. Brookes S, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8231-45

Regulatory sequences of endogenous mouse mammary tumor virus locus Mtv-8 from different mouse strains. Connors RW, et al. **Nucleic Acids Res** 1987 May 26;15(10):4353

Nonrandom distribution of MMTV proviral sequences in the mouse genome. Salinas J, et al. **Nucleic Acids Res** 1987 Apr 10;15(7):3009-22

Two efficient ribosomal frameshifting events are required for synthesis of mouse mammary tumor virus gag-related polyproteins. Jacks T, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4298-302

Glucocorticoid-dependent maturation of viral proteins in mouse lymphoma cells: isolation of defective and hormone-independent cell variants. Rabindran SK, et al. **Somatic Cell Mol Genet** 1987 Mar;13(2):131-43

Activation of int-1 and int-2 loci in GRf mammary tumors. Gray DA, et al. **Virology** 1986 Oct 30;154(2):271-8

Mouse mammary tumor virus mediated transfer and expression of neomycin resistance to infected cultured cells. Günzburg WH, et al. **Virology** 1986 Nov;155(1):236-48

Structural alterations in the long terminal repeat of an acquired mouse mammary tumor virus provirus in a T-cell leukemia of DBA/2 mice. Lee WT, et al. **Virology** 1987 Jul;159(1):39-48

A rare common integration site of proviruses of the mouse mammary tumor virus in P-type mammary tumors of mouse strain GR. Schuermann M, et al. **Virology** 1987 Feb; 156(2):229-37

Mammary preneoplasia and tumorigenesis in the BALB/c mouse: structure and modification of mouse mammary tumor virus DNA sequences. Gama-Sosa MA, et al. **Virus Res** 1987 Feb;7(1):1-15

GROWTH & DEVELOPMENT

Increased yield of mouse mammary tumor virus (MMTV) by cultivation of monolayer-derived mammary tumor cells in suspension. Maldarelli F, et al. **In Vitro Cell Dev Biol** 1986 Sep;22(9):542-8

Activation of endogenous MMTV proviruses in murine mammary cancer induced by chemical carcinogen. Knepper JE, et al. **Int J Cancer** 1987 Sep 15;40(3):414-22

Is there a role for actin in virus budding? Damsky CH, et al. **J Cell Biol** 1977 Nov;75(2 Pt 1):593-605

Reversible suppression of mouse mammary tumor virus replication by prolonged glucocorticoid exposure. Maldarelli F, et al. **JNCI** 1986 Nov;77(5):1109-15

IMMUNOLOGY

Antibodies to MuMTV proteins in the sera of mammary carcinoma patients' healthy daughters. Litvinov S, et al. **Arch Geschwulstforsch** 1986;56(6):407-12

Human monoclonal antibodies derived from lymph nodes of a patient with breast carcinoma react with MuMTV polypeptides. Shoenfeld Y, et al. **Cancer** 1987 Jan 1; 59(1):43-50

Silver enhancement of protein A-gold probes on resin-embedded ultrathin sections. An electron microscopic localization of mouse mammary tumor virus (MMTV) antigens. Marchetti A, et al. **Histochemistry** 1987; 86(4):371-3

Proteins antigenically related to peptides encoded by the mouse mammary tumour virus long terminal repeat sequence are associated with intracytoplasmic A particles. Smith GH, et al. **J Gen Virol** 1987 Feb;68 (Pt 2):473-86

Responses of serum from breast cancer patients to murine mammary tumor virus: fact or artifact? Dion AS, et al. **JNCI** 1987 Aug;79(2):207-11

[Antibodies interacting with the proteins of the mammary cancer virus (MMTV) in the sera of healthy women] Litvinov SV, et al. **Biull Eksp Biol Med** 1987 Feb; 103(2):194-6 (Eng. Abstr.) **(Rus)**

[A protein related to the main core protein of the mouse mammary cancer virus in a microparticle fraction of human milk] Litvinov SV, et al. **Biull Eksp Biol Med** 1987 Mar; 103(3):338-40 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Influence of age on induction of mammary tumors by diethylstilbestrol in C3H/HeN mice with low murine mammary tumor virus titer. Greenman DL, et al. **JNCI** 1986 Oct;77(4):891-8

METABOLISM

Characterization and sequence-specific binding to mouse mammary tumor virus DNA of purified activated human glucocorticoid receptor. Brönnegård M, et al. **Biochemistry** 1987 Mar 24;26(6):1697-704

MAMMARY DYSPLASIA see **FIBROCYSTIC DISEASE OF BREAST**

MAMMARY GLANDS see **BREAST**

MAMMARY GLANDS, ANIMAL see **MAMMAE**

MAMMARY NEOPLASMS, EXPERIMENTAL

Mammary tumors in feral mice lacking MuMTV DNA. Gardner MB, et al. **J Exp Pathol** 1985 Summer;2(2):93-8

ANALYSIS

Purification and partial characterization of a tumour-metastasis-associated high-Mr glycoprotein from rat 13762NF mammary adenocarcinoma cells. Steck PA, et al. **Biochem J** 1987 Mar 15;242(3):779-87

Distribution of developmental markers in rat mammary tumors induced by N-nitrosomethylurea. Dulbecco R, et al. **Cancer Res** 1986 Oct;46(10):5144-52

Expression of differentiation-specific proteins in preneoplastic mammary tissues in BALB/c mice. Medina D, et al. **Cancer Res** 1987 Sep 1;47(17):4686-93

Characterization of estrogen-binding proteins in variants of a rat mammary tumor. Scala DA, et al. **Cancer Res** 1987 Aug 15;47(16):4287-92

Epiglycanin as a membrane glycoprotein. Isolation of plasma membrane from the TA3-Ha tumor cell. Schmit A, et al. **Carbohydr Res** 1986 Aug 15;151:173-84

Serum and tissue copper content in two mammary adenocarcinomas with different biological behaviour. Fuchs AG, et al. **Eur J Cancer Clin Oncol** 1986 Nov; 22(11):1347-52

Effect of hyperthermia on the lactic acid and beta-hydroxybutyric acid content in tumour. Lee SY, et al. **Int J Hyperthermia** 1986 Apr-Jun;2(2):213-22

Micromethod for the determination of free and total prolactin receptors: measurement of receptor levels in normal and malignant mammary and prostate tissues. Ben-David M, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8375-9

Tenascin is a stromal marker for epithelial malignancy in the mammary gland. Mackie EJ, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4621-5

[Estrogen receptor (ER) of breast cancer cells. II. Quantitative analysis of breast cancer cells bound with fluoresceinate-ER] Zheng S. **Chung Hua Chung Liu Tsa Chih** 1986 Mar;8(2):96-9 (Eng. Abstr.) **(Chi)**

[Simultaneous measurement of nuclear DNA content and determination of DNA synthesizing cells in solid tumor using monoclonal antibody to bromodeoxyuridine (BrdU)] Taguchi T, et al. **Nippon Geka Gakkai Zasshi** 1987 Apr; 88(4):504 **(Jpn)**

BLOOD

Purification of a syngeneic cross-reactive autotumorolytic factor. Burdowski AJ, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):172-8

[Research related to hormones in Nagase analbuminemic rats] Nagase S, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):763-70 (Eng. Abstr.) **(Jpn)**

[The course of mammary carcinoma. New immunopathologic parameters of evaluation. Experimental study in mice (MuMT). II--Hematological changes] Behmer OA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Nov-Dec; 41(6):254-9 (Eng. Abstr.) **(Por)**

BLOOD SUPPLY

Tumours acquire their vasculature by vessel incorporation, not vessel ingrowth. Thompson WD, et al. **J Pathol** 1987 Apr;151(4):323-32

CHEMICALLY INDUCED

Structure-activity relationships in the induction of mammary gland neoplasia in male rats with substituted aminopyrazoles. Fitzgerald JE, et al. **Am J Pathol** 1986 Sep;124(3):392-8

Suppression by pregnancy of chemically induced preneoplastic cells of the rat mammary gland. Grubbs CJ, et al. **Anticancer Res** 1986 Nov-Dec;6(6):1395-400

Cholestyramine promotes 7,12-dimethylbenzanthracene induced mammary cancer in Wistar rats. Melhem MF, et al. **Br J Cancer** 1987 Jul;56(1):45-8

Induction of mammary adenocarcinomas by medroxyprogesterone acetate in BALB/c female mice. Lanari C, et al. **Cancer Lett** 1986 Nov;33(2):215-23

Effects of 12-O-tetradecanoylphorbol-13-acetate on carcinogen-induced mouse mammary lesions in organ culture. Mehta RG, et al. **Cancer Res** 1986 Nov; 46(11):5832-5

Transplacental effects of diethylstilbestrol on mammary development and tumorigenesis in female ACI rats. Rothschild TC, et al. **Cancer Res** 1987 Aug 15; 47(16):4508-16

Induction of bacterial mutations by aminopyrazoles, compounds which cause mammary cancer in rats. Aust AE, et al. **Carcinogenesis** 1986 Dec;7(12):2019-23

Dietary fat in relation to hormonal induction of mammary and prostatic carcinoma in Nb rats. Carroll KK, et al. **Carcinogenesis** 1987 Jun;8(6):851-3

Mammary and renal tumor induction by low doses of adriamycin in Sprague-Dawley rats. Jang JJ, et al. **Carcinogenesis** 1987 Aug;8(8):1149-53

Mammary tumorigenesis in C3H/HeN-MTV + mice treated with diethylstilboestrol for varying periods. Greenman DL, et al. **Food Chem Toxicol** 1987 Mar;25(3):229-32

Selective induction of hormone-dependent mammary adenocarcinoma in the rat. Huggins CB. **J Lab Clin Med** 1987 Mar;109(3):262-6

Influence of age on induction of mammary tumors by diethylstilbestrol in C3H/HeN mice with low murine mammary tumor virus titer. Greenman DL, et al. **JNCI** 1986 Oct;77(4):891-8

Effects of different schedules of progesterone treatment on mammary tumorigenesis and uterine adenomyosis in SHN virgin mice. Nagasawa H, et al. **Life Sci** 1987 Jun 29; 40(26):2597-602

The influence of dietary medium chain triglycerides on rat mammary tumor development. Cohen LA, et al. **Lipids** 1987 Jun;22(6):455-61

Chemically-induced mammary gland tumors in rats: modulation by dietary fat. Rogers AE, et al. **Prog Clin Biol Res** 1986;222:255-82 (90 ref.)

DIAGNOSIS

Age-dependent variation of T1 and T2 relaxation times of adenocarcinoma in mice. Kovalikova Z, et al. **Radiology** 1987 Aug;164(2):543-8

DRUG THERAPY

Effects of gallium chloride oral administration on transplanted C3HBA mammary adenocarcinoma: Ga, Mg, Ca and Fe concentration and anatomopathological characteristics. Collery P, et al. **Anticancer Res** 1986 Sep-Oct;6(5):1085-7

Mode of estrogen action on cell proliferation in CAMA-1 cells: III. Effect of antiestrogen. Leung BS. **Anticancer Res** 1987 Mar-Apr;7(2):219-25

Feline mammary carcinomas as a model for human breast cancer. I. Sensitivity of mammary tumor cells in culture to cytostatic drugs. A preliminary investigation of a predictive test. Prop FJ, et al. **Anticancer Res** 1986 Sep-Oct;6(5):989-94

Hydroxy substituted 10-ethyl-9-phenylphenanthrenes: compounds for the investigation of the influence of E,Z-isomerization on the biological properties of mammary tumor inhibiting 1.1.2.-triphenylbutenes. Schneider MR, et al. **Arch Pharm (Weinheim)** 1987 Feb;320(2):159-66

31P-NMR spectroscopy demonstrates decreased ATP levels in vivo as an early response to photodynamic therapy. Ceckler TL, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):273-9

Long-term treatment of tumor-operated mice with high doses of alpha-difluoromethylornithine. de Lustig ES, et al. **Biol Cell** 1986;58(3):233-7

Cancer in mice: effects of prednisolone or mepacrine alone and with cytotoxic drugs. Bennett A, et al. **Br J Cancer** 1987 Apr;55(4):385-8

Photodynamic therapy of C3H mouse mammary carcinoma with haematoporphyrin di-ethers as sensitizers. Evensen JF, et al. **Br J Cancer** 1987 May;55(5):483-6

A-ring substituted estrogens as inhibitors of the MXT transplantable mammary ductal carcinoma. Brooks SC, et al. **Cancer Res** 1987 Sep 1;47(17):4623-9

Response-specific adriamycin sensitivity markers provided by in vivo 31P nuclear magnetic resonance spectroscopy in murine mammary adenocarcinomas. Evelhoch JL, et al. **Cancer Res** 1987 Jul 1;47(13):3396-401

Antitumor actions of keoxifene and tamoxifen in the N-nitrosomethylurea-induced rat mammary carcinoma model. Gottardis MM, et al. **Cancer Res** 1987 Aug 1; 47(15):4020-4

Failure of L-histidinol to improve the therapeutic efficiency of 5-fluorouracil against murine breast tumors. Stolfi RL, et al. **Cancer Res** 1987 Jan 1;47(1):16-20

Combination chemotherapy with a new folate analog: activity of 10-ethyl-10-deaza-aminopterin compared to methotrexate with 5-fluorouracil and alkylating agents against advanced metastatic disease in murine tumor models. Schmid FA, et al. **Cancer Treat Rep** 1987 Jul-Aug; 71(7-8):727-32

Inhibition of spontaneous mouse mammary tumour development by antineoplaston A10. Muldoon TG, et al. **Drugs Exp Clin Res** 1987;13 Suppl 1:83-8

Estrogen-linked 2-chloroethylnitrosoureas: anticancer efficacy in MNU-induced rat mammary carcinoma, uterine activity in mice and receptor interactions. Berger MR, et al. **Eur J Cancer Clin Oncol** 1986 Oct;22(10):1179-91

Treatment of a syngeneic rat tumor with magnetically responsive albumin microspheres labeled with doxorubicin or protein A. Rettenmaier MA, et al. **Gynecol Oncol** 1987 May;27(1):34-43

Intratumoural light distribution in an experimental mouse tumour irradiated by a diffuse-light irradiator compared with unilateral helium-neon light for photodynamic therapy. Bjerring P. **Int J Radiat Biol** 1987 Aug;52(2):191-9

Cytotoxic esters of 1,1-bis-(4-hydroxyphenyl)-2-phenyl-but-1-ene with selective antitumor activity against estrogen receptor-containing mammary tumors. Schuderer ML, et al. **J Cancer Res Clin Oncol** 1987;113(3):230-4

Laboratory models of breast cancer to aid the elucidation of antiestrogen action. Jordan VC. **J Lab Clin Med** 1987 Mar;109(3):267-77 (97 ref.)

2-Phenylindoles. Effect of N-benzylation on estrogen receptor affinity, estrogenic properties, and mammary tumor inhibiting activity. von Angerer E, et al. **J Med Chem** 1987 Jan;30(1):131-6

Effect of hematoporphyrin derivative on estrogen receptors in the dimethylbenzanthracene-mammary tumor model. Lanzafame RJ, et al. **Lasers Surg Med** 1987;6(6):543-5

Effect of hematoporphyrin derivative 2 on estrogen receptors in experimental mammary tumors. Lanzafame RJ, et al. **Lasers Surg Med** 1987;7(3):280-2

Basic approach to application of chemoimmunoliposomes for cancer therapy. Hashimoto Y, et al. **NCI Monogr** 1987; (3):89-94

Cure rates and tumor resistance in cured mice after nitrosourea treatment of EMT6 ascites tumors. Feola JM, et al. **Oncology** 1986;43(6):372-7

Biological activities of phthalocyanines--V. Photodynamic therapy of EMT-6 mammary tumors in mice with sulfonated phthalocyanines. Brasseur N, et al. **Photochem Photobiol** 1987 May;45(5):581-6

Photobleaching of porphyrins used in photodynamic therapy and implications for therapy. Mang TS, et al. **Photochem Photobiol** 1987 Apr;45(4):501-6

Development of androgen resistance in mouse mammary tumor cells can be prevented by the antiandrogen flutamide. Luthy I, et al. **Prostate** 1987;10(1):89-94

Chronochemotherapy of N-nitrosomethylurea-induced mammary tumors in rats. II. Circadian treatment with cyclophosphamide. Pérez-López FR, et al. **Rev Esp Oncol** 1984;31(4):583-9

Lack of effect of indomethacin on the growth of N-nitrosomethylurea-induced rat mammary tumors. Pérez-López FR, et al. **Rev Esp Oncol** 1985;32(1):15-21

[Inhibitors of aromatase. Synthesis and pharmacologic action of potential mammary tumor-inhibiting 4-alkyl-3-(4-aminophenyl)-3-ethylpiperidine-2,6-diones] Batzl C, et al. **Arch Pharm (Weinheim)** 1987 Jan;320(1):51-8 (Eng. Abstr.) **(Ger)**

[Improvement of cancer therapy by angiotensin II-induced hypertension chemotherapy] Baba T, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):971-7 (Eng. Abstr.) **(Jpn)**

[Studies on the anti-tumor effect of the E2 carrier drug and its mechanism] Tanaka K. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 May; 39(5):823-30 (Eng. Abstr.) **(Jpn)**

[The interaction of lipid microspheres and MM46 tumor cells] Shoji Y, et al. **Yakugaku Zasshi** 1986 Jul;106(7):605-8 (Eng. Abstr.) **(Jpn)**

[Experimental studies of the destruction of a transplantable spontaneous mammary tumor using hematoporphyrin derivatives activated by laser beam] Orlowski T, et al. **Pol Tyg Lek** 1986 Jun 9;41(23):741-4 (Eng. Abstr.) **(Pol)**

[Type A adenocarcinoma grafted into C3H/he-M mice subjected to treatment with various antineoplastic agents. I. Biological study] Flores JM, et al. **Rev Esp Oncol** 1983; 30(3):337-59 (Eng. Abstr.) **(Spa)**

[Type A adenocarcinoma grafted into C3H/he mice subjected to treatment with various antineoplastic agents. II. Histopathological and ultrastructural study] Flores JM, et al. **Rev Esp Oncol** 1983;30(3):361-78 (Eng. Abstr.) **(Spa)**

[Treatment with intratumoral prospidium chloride of cancer of the mammae induced by N-nitrosomethylurea in the rat] Urcia M, et al. **Rev Esp Oncol** 1984;31(4):601-4 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Intranuclear dynamics of DNA polymerase alpha differs between the transplanted R3230AC mammary adenocarcinomas and the host mammary gland depending on lactation cycle. Klinge CM, et al. **Biochim Biophys Acta** 1986 Oct 16;868(1):24-9

Purification and characterization of adenine phosphoribosyltransferase from mouse mammary carcinoma FM3A cells in culture. Okada G, et al. **Biochim Biophys Acta** 1986 Nov 19;884(2):304-10

Biochemical alterations in 7,12-dimethylbenz[a]anthracene-induced mammary tumors from rats subjected to caloric restriction. Ruggeri BA, et al. **Biochim Biophys Acta** 1987 Jul 29;929(3):239-46

Cytochemical investigation of glucose-6-phosphate dehydrogenase activity in rat mammary tissue. Smyth PP, et al. **Br J Exp Pathol** 1987 Feb;68(1):45-52

Origin of the increased activity of beta-glucuronidase in the soluble fraction of rat mammary tumors during ovariectomy-induced regression. Beem EP, et al. **Cancer Res** 1987 Aug 1;47(15):3980-7

Effects of estradiol and tamoxifen on creatine kinase in rodent mammary carcinomas. Roghmann MC, et al. **Cancer Res** 1987 Mar 1;47(5):1348-53

Collagenase and elastase production by mouse mammary adenocarcinoma primary cultures and cloned cells. Zeydel M, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6438-45

Use of radioactively labeled N-acetylmannosamine to monitor monooxygenase activity. Sherblom AP. **Carbohydr Res** 1986 Nov 1;155:283-9

Effect of androgen on ornithine decarboxylase activity in androgen-dependent mouse mammary tumor (Shionogi Carcinoma 115) and its androgen-independent subline (CS 2). Suzuki N, et al. **Endocrinol Jpn** 1986 Apr;33(2):233-8

gamma-Glutamyltranspeptidase in dimethylbenz[a]anthracene-induced mammary adenocarcinomas and in livers of tumor bearing rats. Sulakhe SJ. **Int J Biochem** 1987;19(6):509-15

[Activation of protein kinase C and cAMP-dependent protein kinase in hormone-dependent mammary gland tumors during stimulation of their growth with progesterone and estrone] Morozova TM, et al. **Biokhimiia** 1986 Oct; 51(10):1624-9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Fat and essential fatty acid in mammary carcinogenesis. Ip C. **Am J Clin Nutr** 1987 Jan;45(1 Suppl):218-24

Fat, calories, and mammary carcinogenesis: net energy effects. Pariza MW. **Am J Clin Nutr** 1987 Jan;45(1 Suppl):261-3

Enhancement of mammary tumorigenesis by dietary fat: review of potential mechanisms. Welsch CW. **Am J Clin Nutr** 1987 Jan;45(1 Suppl):192-202 (68 ref.)

Enhanced in vitro proliferation and in vivo tumorigenic potential of mammary epithelium from BALB/c mice exposed in vivo to gamma-radiation and/or 7,12-dimethylbenz[a]anthracene. Adams LM, et al. **Cancer Res** 1987 Aug 15;47(16):4425-31

Inhibition of chemically induced mammary and colon tumor promotion by caloric restriction in rats fed increased dietary fat. Klurfeld DM, et al. **Cancer Res** 1987 Jun 1; 47(11):2759-62

Comparison between the effects of dietary fat level and of calorie intake on methylnitrosourea-induced mammary carcinogenesis in female SD rats. Beth M, et al. **Int J Cancer** 1987 Jun 15;39(6):737-44

Mammary carcinogenesis in different rat strains after irradiation and hormone administration. Broerse JJ, et al. **Int J Radiat Biol** 1987 Jun;51(6):1091-100

Carcinogenic and co-carcinogenic effects of radiation in rat mammary carcinogenesis and mouse T-cell lymphomagenesis: a review. Yokoro K, et al. **Int J Radiat Biol** 1987 Jun;51(6):1069-80 (47 ref.)

Dietary fat in relation to mammary carcinogenesis. Carroll KK. **Int Symp Princess Takamatsu Cancer Res Fund** 1985; 16:255-63 (37 ref.)

Effects of dietary protein, fat and energy intake during an initiation phase study of 7,12-dimethylbenz[a]anthracene-induced breast cancer in rats. Clinton SK, et al. **J Nutr** 1986 Nov;116(11):2290-302

Assessment of interaction among three carcinogens on rat mammary carcinogenesis in a factorially designed experiment. Shellabarger CJ, et al. **JNCI** 1987 Sep; 79(3):549-54

Biological and molecular bases of mammary carcinogenesis. Russo J, et al. **Lab Invest** 1987 Aug;57(2):112-37 (144 ref.)

The influence of different levels of dietary fat on the incidence and growth of MNU-induced mammary carcinoma in rats. Aksoy M, et al. **Nutr Cancer** 1987; 9(4):227-35

Summation: which fat/how much fat--animals. Carroll KK. **Prev Med** 1987 Jul;16(4):510-5

Fat and endocrine-responsive cancer in animals. Cohen LA. **Prev Med** 1987 Jul;16(4):468-74

Eicosanoids in neoplasia. Karmali RA. **Prev Med** 1987 Jul; 16(4):493-502

The macronutrients in experimental carcinogenesis of the breast, colon, and pancreas. Clinton SK, et al. **Prog Clin Biol Res** 1986;222:377-401 (75 ref.)

Interrelationship between dietary fat and endocrine processes in mammary gland tumorigenesis. Welsch CW. **Prog Clin Biol Res** 1986;222:623-54 (186 ref.)

Radiation carcinogenesis: time-dose relationships. Ullrich RL, et al. **Radiat Res** 1987 Jul;111(1):179-84

FAMILIAL & GENETIC

Double minutes and other chromosomal aberrations in malignant cell line of Shionogi carcinoma 115. Moriyama-Gonda N, et al. **Cancer Genet Cytogenet** 1987 Apr;25(2):317-27

Genetic resistance to mammary tumorigenesis in a mouse strain with high murine mammary tumor virus expression. Aoyama A, et al. **Cancer Lett** 1987 Aug;36(2):119-23

Characterization of chromosome aberrations induced by incubation at a restrictive temperature in the mouse temperature-sensitive mutant tsFT20 strain containing heat-labile DNA polymerase alpha. Eki T, et al. **Cancer Res** 1987 Oct 1;47(19):5162-70

A retrovirus vector expressing the putative mammary oncogene int-1 causes partial transformation of a mammary epithelial cell line. Brown AM, et al. **Cell** 1986 Sep 26; 46(7):1001-9

MHC-controlled susceptibility to C3H-MTV-induced mouse mammary tumors is predominantly systemic rather than local. Dux A, et al. **Int J Cancer** 1987 Sep 15; 40(3):372-7

Use of drug resistance markers to recover clonogenic tumor cells from occult metastases in host tissues. Miller FR, et al. **Invasion Metastasis** 1986;6(4):197-208

Glucocorticoid agonists as well as antagonists are effective inducers of mouse mammary tumor virus RNA in mouse mammary tumor cells treated with inhibitors of ADP-ribosylation. Johnson GS, et al. **J Cell Physiol** 1986 Oct;129(1):36-42

Survey of int region DNA rearrangements in C3H and BALB/cfC3H mouse mammary tumor system. Pathak VK, et al. **JNCI** 1987 Feb;78(2):327-31

Specific activation of the cellular Harvey-ras oncogene in dimethylbenzanthracene-induced mouse mammary tumors. Dandekar S, et al. **Mol Cell Biol** 1986 Nov;6(11):4104-8

Potential oncogene product related to growth factors [letter] Dickson C, et al. **Nature** 1987 Apr 30-May 6;326(6116):833

Two proto-oncogenes implicated in mammary carcinogenesis, int-1 and int-2, are independently regulated during mouse development. Jakobovits A, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7806-10

A calmodulin antagonist has no effect on the repair of X-ray-induced damage in a murine mammary carcinoma cell line. Ridinger DN, et al. **Radiat Res** 1986 Nov; 108(2):127-38

IMMUNOLOGY

Purification of antigens of mammary tumor of the mouse by gel filtration. Laing CA, et al. **Biochem Med Metab Biol** 1986 Dec;36(3):340-6

In vitro immune interferon induction during tumor evolution. Kohan S, et al. **Biomed Pharmacother** 1986;40(4):150-3

Natural killer activity of lymphocytic infiltrates in mouse mammary lesions. Wei WZ, et al. **Br J Cancer** 1987 Jun; 55(6):589-94

A 6-thioguanine-resistant variant of the rat mammary adenocarcinoma 13762 that is more immunogenic. Hoon DS, et al. **Cancer Immunol Immunother** 1987;24(1):42-8

Plant lectin, ATF1011, on the tumor cell surface augments tumor-specific immunity through activation of T cells specific for the lectin. Yoshimoto R, et al. **Cancer Immunol Immunother** 1987;25(1):25-30

Evaluation of effect of host immunity on growth of androgen-dependent Shionogi carcinoma 115 in the mouse. Nohno T, et al. **Cancer Lett** 1986 Nov;33(2):125-30

In situ augmentation of class I major histocompatibility antigen expression on immunogenic variants of a spontaneous murine mammary carcinoma. Elliott BE, et al. **Cancer Res** 1987 Sep 15;47(18):4915–23

Monoclonal antibodies against cell–surface antigens of the metastatic rat 13762NF mammary adenocarcinoma and their cross–reactivity with human breast carcinomas. North SM, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6393–9

Induction of "innocent bystander" cytotoxicity in nonimmune mice by adoptive transfer of L3T4+ Lyt–1+2– mammary tumor immune T–cells. Paul RD, et al. **Cancer Res** 1987 Feb 15;47(4):1105–10

Indomethacin therapy abrogates the prostaglandin–mediated suppression of natural killer activity in tumor–bearing mice and prevents tumor metastasis. Lala PK, et al. **Cell Immunol** 1986 Apr 15;99(1):108–18

Pyrimidinones: inducers of NK cell activity and antitumor immunity. Lotzová E, et al. **Comp Immunol Microbiol Infect Dis** 1986;9(2–3):185–91

Silver enhancement of protein A–gold probes on resin–embedded ultrathin sections. An electron microscopic localization of mouse mammary tumor virus (MMTV) antigens. Marchetti A, et al. **Histochemistry** 1987; 86(4):371–3

Stepwise immunologic selection of antigenic variants during tumor growth. Urban JL, et al. **J Immunol** 1986 Nov 1; 137(9):3036–41

Computer–aided hybridoma screening. Production of monoclonal antibodies against membrane fractions from mammary tumour tissue. Heinsohn R, et al. **J Immunol Methods** 1987 Feb 11;96(2):179–84

In vitro tumoricidal activity of resting and glucan–activated Kupffer cells. Sherwood ER, et al. **J Leukocyte Biol** 1987 Jul;42(1):69–75

Regulation of tumor growth by soluble spleen factors: effect of tumor resection. Jasnis MA, et al. **J Surg Oncol** 1987 Jun;35(2):139–45

Augmentation of lymphoproliferative activity of tumor–bearing BALB/c mice to soluble tumor antigens by surgical manipulation: the possible role of macrophages. Laing CA, et al. **J Surg Oncol** 1987 May;35(1):1–6

Age related differences in immunocompetence and incidence of mammary adenocarcinoma in murine mammary tumor virus–infected C3H/Bi mice. Benoist H, et al. **Mech Ageing Dev** 1987 Jun;39(1):21–8

Expression of alien H–2 and non–H–2 antigens on a murine mammary tumor cell line, MM46. Oshima H, et al. **Tohoku J Exp Med** 1987 May;152(1):67–80

[Monoclonal antibodies directed against breast cancer associated antigens] Pancino G, et al. **C R Acad Sci [III]** 1987;304(11):313–8 (Eng. Abstr.) **(Fre)**

[Competitive effect of PSK against the immunosuppressive effect induced in the sera of mice bearing syngeneic tumors] Matsunaga K, et al. **Gan To Kagaku Ryoho** 1986 Dec; 13(12):3461–7 (Eng. Abstr.) **(Jpn)**

[Effect of hyperthermia on mononuclear cell infiltration into tumor tissue analyzed using monoclonal antibodies] Kamiike O, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Dec 25; 46(12):1439–41 (Eng. Abstr.) **(Jpn)**

METABOLISM

Effect of calcium channel blocking drugs on tumor cell oxygen utilization. Biaglow JE, et al. **Adv Exp Med Biol** 1986;200:583–9

Tetrachlorodecaoxide improves the oxygenation status of multicellular tumor spheroids. Mueller–Klieser W, et al. **Adv Exp Med Biol** 1986;200:623–32

Characterization of specific V1a vasopressin–binding sites on a rat mammary–tumour–cell line. Guillon G, et al. **Biochem J** 1986 Nov 15;240(1):189–96

Stimulation, by vasopressin and other agonists, of inositol–lipid breakdown and inositol phosphate accumulation in WRK 1 cells. Kirk CJ, et al. **Biochem J** 1986 Nov 15;240(1):197–204

Phorbol ester inhibition of the hormone–stimulated phosphoinositide cycle in WRK–1 cells. Monaco ME, et al. **Biochem J** 1986 May 15;236(1):171–5

Altered expression of glycosaminoglycans in metastatic 13762NF rat mamma adenocarcinoma cells. Steck PA, et al. **Biochemistry** 1987 Feb 24;26(4):1020–8

Depletion of tumour versus normal tissue glutathione by buthionine sulfoximine. Lee FY, et al. **Br J Cancer** 1987 Jul;56(1):33–8

Effects of altering surface glycoprotein composition on metastatic colonisation potential of murine mammary tumour cells. Sargent NS, et al. **Br J Cancer** 1987 Jan; 55(1):21–8

Adrenal steroids stimulate growth and progesterone receptor levels in rat uterus and DMBA–induced mammary tumors. Spinola PG, et al. **Breast Cancer Res Treat** 1986;8(3):241–8

Toxicity of 5–fluorouracil for aerobic and hypoxic cells in two murine tumours. Tannock IF. **Cancer Chemother Pharmacol** 1987;19(1):53–6

A comparison of different photosensitizing dyes with respect to uptake C3H–tumors and tissues of mice. Qian P, et al. **Cancer Lett** 1987 Jul;36(1):1–10

Protective, tumor–selective dual pathway activation of 5–fluoro–2'–deoxycytidine provided by tetrahydrouridine in mice bearing mammary adenocarcinoma–755. Boothman DA, et al. **Cancer Res** 1987 May 1;47(9):2344–53

Estrogen receptor binding to nuclei from normal and neoplastic rat mammary tissues in vitro. Klinge CM, et al. **Cancer Res** 1987 Jun 1;47(11):2852–9

Degradation of basement membrane type IV collagen and lung subendothelial matrix by rat mammary adenocarcinoma cell clones of differing metastatic potentials. Nakajima M, et al. **Cancer Res** 1987 Sep 15; 47(18):4869–76

Characterization of the cyclic adenosine 3':5'–monophosphate effector system in hormone–dependent and hormone–independent rat mammary carcinomas. Ogreid D, et al. **Cancer Res** 1987 May 15;47(10):2576–82

Effect of heat shock on protein degradation in mammalian cells: involvement of the ubiquitin system. Parag HA, et al. **EMBO J** 1987 Jan;6(1):55–61

Altered growth control by natural growth inhibitors in the mutant HD33 substrain of the Ehrlich–Lettré ascites mammary carcinoma. Lehmann W, et al. **Eur J Cancer Clin Oncol** 1987 Jan;23(1):69–74

Testosterone–induced responsiveness to androgen in Shionogi mouse carcinoma cells. Jung–Testas I, et al. **Exp Cell Res** 1987 May;170(1):250–8

The biochemical mechanisms of the stimulating action of estradiol on the growth of mammary tumours. Morozova TM, et al. **Exp Clin Endocrinol** 1986 Dec;88(3):293–302

Phenothiazine binding by a homolog of calpactin, the pp60src tyrosine kinase substrate. Carraway KL 3d, et al. **FASEB J** 1987 Jul;1(1):46–50

Radioreceptor assay for lactogenic hormones based on membranes from rat mammary tumour. Pahnke VG, et al. **Horm Metab Res** 1986 Oct;18(10):680–5

Thrombin stimulates arachidonate metabolism in murine tumor cells. Lampugnani MG, et al. **Int J Cancer** 1987 Mar 15;39(3):367–72

Growth of mammary epithelial cells in breast–cancer biopsies correlates with EGF binding. Spitzer E, et al. **Int J Cancer** 1987 Mar 15;39(3):279–82

Tumor size–dependent changes in a murine fibrosarcoma: use of in vivo 31P NMR for non–invasive evaluation of tumor metabolic status. Sostman D, et al. **Invest Radiol** 1987 Jul;22(7):618–20

Phosphatidylethanolamine biosynthesis in rat mammary carcinoma cells that require and do not require ethanolamine for proliferation. Kano–Sueoka T, et al. **J Biol Chem** 1987 May 5;262(13):6074–81

Calcium and the phosphoinositide cycle in WRK–1 cells. Effects of A23187 on metabolism of specific phosphatidylinositol pools. Monaco ME. **J Biol Chem** 1987 Jan 5;262(1):147–51

Temporal aspects of O–glycosylation and cell surface expression of ascites sialoglycoprotein–1, the major cell surface sialomucin of 13762 mammary ascites tumor cells. Spielman J, et al. **J Biol Chem** 1987 Jan 5;262(1):269–75

Endogenous thiol levels in heterogeneous murine tumor cells as a function of the physiological state and the response to X–irradiation. Dethlefsen LA, et al. **J Cell Physiol** 1987 Jul;132(1):149–54

The 5–hydroxytryptamine (5–HT2) receptor stimulates inositol phosphate formation in intact and broken WRK1 cells: determination of occupancy–response relationships for 5–HT agonists. Cory RN, et al. **J Pharmacol Exp Ther** 1987 Apr;241(1):258–67

Effects of vitamin A and dexamethasone on capsule collagen metabolism in mouse mammary adenocarcinoma. Takahashi S, et al. **JNCI** 1987 Mar;78(3):497–507

Histone phosphorylation in explants of mouse mammary glands and tumors. Sluyser M, et al. **Mol Biol Rep** 1986; 11(4):237–45

Priming action on progesterone receptor synthesis by estradiol and tamoxifen in the 7,12–dimethylbenz(a)anthracene–induced rat mammary carcinoma. Boccardo F, et al. **Oncology** 1987;44(4):248–52

Effect of indomethacin treatment on prostaglandin excretion and tissue phospholipid fatty acid composition in rats bearing mammotropic pituitary tumor, MtT–F4. Huang YS, et al. **Prostaglandins Leukotrienes Med** 1986 Aug; 23(2–3):249–52

Heat–stress proteins of rat lung endothelial and mammary adenocarcinoma cells. Tomasovic SP, et al. **Radiat Res** 1987 Apr;110(1):45–60

Energy metabolism and blood perfusion in a mouse mammary adenocarcinoma during growth and following X irradiation. Tozer G, et al. **Radiat Res** 1987 Feb; 109(2):275–93

Possible involvement of phosphoinositide phosphorylation and tyrosine kinase activity in the growth control of rat mammary tumors. Sharoni Y, et al. **Rev Clin Basic Pharm** 1985;5 Suppl:57S–62S

Thrombin stimulates arachidonate metabolism in murine tumor cells. Lampugnani MG, et al. **Semin Thromb Hemost** 1986 Oct;12(4):291–3

3,5,3'–Triiodothyronine (T3) and 3,3',5'–triiodothyronine (rT3) synthesis in rats hosting the R3230AC mammary tumour. Ong ML, et al. **Tumour Biol** 1986;7(2–3):105–13

[Utilization of the TLI technic (thymidine labeling index) in cancerology] Pasteels JL, et al. **Rev Med Liege** 1987 Mar 1;42(5):167–73 **(Fre)**

[The effects of estradiol and prolactin on DMBA–induced mammary tumor in rats] Kawasaki T, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 May 20;21(4):797–804 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Immunocolloidal gold electron microscopy of viral antigens and cellular actin in C3H/He mouse mammary tumors. Ogawa H, et al. **Cancer Res** 1986 Nov;46(11):5851–7

Transfection of the int–1 mammary oncogene in cuboidal RAC mammary cell line results in morphological transformation and tumorigenicity. Rijsewijk F, et al. **EMBO J** 1987 Jan;6(1):127–31

Oncogene expression during progression of mouse mammary tumor cells; activity of a proviral enhancer and the resulting expression of int–2 is influenced by the state of differentiation. Sonnenberg A, et al. **EMBO J** 1987 Jan; 6(1):121–5

Increased yield of mouse mammary tumor virus (MMTV) by cultivation of monolayer–derived mammary tumor cells in suspension. Maidarelli F, et al. **In Vitro Cell Dev Biol** 1986 Sep;22(9):542–8

Activation of endogenous MMTV proviruses in murine mammary cancer induced by chemical carcinogen. Knepper JE, et al. **Int J Cancer** 1987 Sep 15;40(3):414–22

Mammary tumorigenesis in feral mice: identification of a new int locus in mouse mammary tumor virus (Czech II)–induced mammary tumors. Gallahan D, et al. **J Virol** 1987 Jan;61(1):66–74

Activation of int–1 and int–2 mammary oncogenes in hormone–dependent and –independent mammary tumors of GR mice. Mester J, et al. **J Virol** 1987 Apr;61(4):1073–8

Mammary cancer stages in BALB/cV mice: mouse mammary tumor virus expression and virus–host interactions. Slagle BL, et al. **JNCI** 1987 Aug;79(2):323–35

Activation of int–1 and int–2 loci in GRf mammary tumors. Gray DA, et al. **Virology** 1986 Oct 30;154(2):271–8

A rare common integration site of proviruses of the mouse mammary tumor virus in P–type mammary tumors of mouse strain GR. Schuermann M, et al. **Virology** 1987 Feb; 156(2):229–37

Mammary preneoplasia and tumorigenesis in the BALB/c mouse: structure and modification of mouse mammary tumor virus DNA sequences. Gama–Sosa MA, et al. **Virus Res** 1987 Feb;7(1):1–15

OCCURRENCE

Rejuvenating effects of 10–week underfeeding period on estrous cycles in young and old rats. Quigley K, et al. **Neurobiol Aging** 1987 May–Jun;8(3):225–32

PATHOLOGY

Effect of estradiol on proliferation and on cell loss in the MXT mouse mammary tumor. Kiss R, et al. **Anticancer Res** 1986 Nov–Dec;6(6):1321–8

Influence of inoculation sites and tumor cell culture techniques on the phenotype of a mixed cartilage– and bone–producing mouse mammary tumor. Lespagnard L, et al. **Anticancer Res** 1986 Nov–Dec;6(6):1329–36

Mast cells and matrix degradation at sites of tumour invasion in rat mammary adenocarcinoma. Dabbous MK, et al. **Br J Cancer** 1986 Sep;54(3):459–65

The lymphnodal clonogenicity and kinetics of metastatic cells disseminated by a transplanted rat carcinoma. Dixon B, et al. **Br J Cancer** 1986 Dec;54(6):999–1008

Morphological and functional characteristics of mouse mammary carcinoma cells separated on Nycodenz columns. Ford TC, et al. **Br J Exp Pathol** 1987 Jun;68(3):453–60

Polyamines and the synthesis of estradiol–regulated growth factors in rat mammary cancer in culture. Manni A, et al. **Breast Cancer Res Treat** 1987;9(1):45–51

Survival of rat mammary tumor cell clones and DNA strand damage following adriamycin treatment. Evans DP, et al. **Cancer Chemother Pharmacol** 1986;18(2):137–9

Influence of dietary fats on cell populations of line 168 mouse mammary tumors: a morphometric and ultrastructural study. Hubbard NE, et al. **Cancer Lett** 1987 Jun; 35(3):281–94

The effect of dietary seaweeds on 7,12–dimethyl–benz[a]anthracene–induced mammary tumorigenesis in rats. Yamamoto I, et al. **Cancer Lett** 1987 May;35(2):109–18

Differential effects of steroid hormones on parameters of cell growth. Darbre PD, et al. **Cancer Res** 1987 Jun 1; 47(11):2937–44

Selection of metastatic variants with identifiable karyotypic changes from a nonmetastatic murine tumor after treatment with 2'–deoxy–5–azacytidine or hydroxyurea: implications for the mechanisms of tumor progression. Frost P, et al. **Cancer Res** 1987 May 15;47(10):2690–5

Direct effects of the pyrimido–pyrimidine derivative RA 233 (Rapenton) on rat 13762NF mammary tumor cell clones in vitro. Lichtner RB, et al. **Cancer Res** 1987 Apr 1; 47(7):1870–7

Effects of progestins on growth of experimental breast cancer in culture: interaction with estradiol and prolactin and involvement of the polyamine pathway. Manni A, et al. **Cancer Res** 1987 Jun 15;47(12):3066–71

Polyamines and hormonal regulation of N–nitrosomethylurea–induced rat mammary tumor growth in vivo. Manni A, et al. **Cancer Res** 1986 Oct;46(10):4938–41

Growth–stimulating effect of pharmacological doses of estrogen on androgen–dependent Shionogi carcinoma 115 in vivo but not in cell culture. Noguchi S, et al. **Cancer Res** 1987 Jan 1;47(1):263–8

Growth–stimulating effect of pharmacological doses of

glucocorticoid on androgen-responsive Shionogi carcinoma 115 in vivo in mice and in cell culture. Omukai Y, et al. **Cancer Res** 1987 Aug 15;47(16):4329–34

Difference in the thermotolerance of mouse mammary carcinoma cells in vivo and in vitro. Rhee JG, et al. **Cancer Res** 1987 May 15;47(10):2571–5

In vitro differentiation and progression of mouse mammary tumor cells. Sonnenberg A, et al. **Cancer Res** 1986 Nov; 46(11):5913–22

Importance of epidermal growth factor in implantation and growth of mouse mammary tumor in female nude mice. Tsutsumi O, et al. **Cancer Res** 1987 Sep 1;47(17):4651–3

Immunospecific eosinophil infiltration of a mouse mammary carcinoma. Vaage J, et al. **Cancer Res** 1986 Oct; 46(10):5344–8

Spontaneous metastasis from primary C3H mouse mammary tumors. Vaage J, et al. **Cancer Res** 1987 Jan 15;47(2):547–50

Characterization of a slow-growing, transplantable rat mammary tumor (MCR-83): a model for endocrine-related cell kinetic studies. van Dierendonck JH, et al. **Cancer Res** 1987 Aug 1;47(15):4093–8

Establishment of mutant murine mammary carcinoma FM3A cell strains transformed with the herpes simplex virus type 2 thymidine kinase gene. Shimizu K, et al. **Cell Struct Funct** 1986 Sep;11(3):295–301

Analysis of free growth and post-treatment regrowth of C3H mammary carcinoma in individual mice. Demicheli R, et al. **Cell Tissue Kinet** 1986 Jul;19(4):471–6

Cell kinetics of hypoxic cells in a murine tumour in vivo: flow cytometric determination of the radiation-induced blockage of cell cycle progression. Rutgers DH, et al. **Cell Tissue Kinet** 1987 Jan;20(1):37–42

Polyamines and autocrine control of tumor growth by prolactin in experimental breast cancer in culture. Manni A, et al. **Endocrinology** 1986 Nov;119(5):2033–7

Interactive responses to diethylstilboestrol in C3H mice. Greenman DL, et al. **Food Chem Toxicol** 1986 Sep; 24(9):931–4

Role of serum and hormones during the growth and development of rat mammary tumor epithelial cells in collagen gel culture. Sinha DK, et al. **In Vitro Cell Dev Biol** 1986 Sep;22(9):519–24

Loss of basement membrane deposits and development of invasive potential by virally-transformed rat mammary cells are independent of collagenase production. Warburton MJ, et al. **Int J Cancer** 1987 Aug 15;40(2):270–7

Factors of importance for the development of the step-down heating effect in a C3H mammary carcinoma in vivo. Lindegaard JC, et al. **Int J Hyperthermia** 1987 Jan–Feb; 3(1):79–91

Thermal radiosensitization and thermotolerance in cultured cells from a murine mammary carcinoma. Haveman J, et al. **Int J Radiat Biol** 1987 Jan;51(1):71–80

Nutrient modification of proliferation and radiation response in EMT6/Ro spheroids. Luk CK, et al. **Int J Radiat Oncol Biol Phys** 1987 Jun;13(6):885–95

The tumor bed effect: dependence of tumor take, growth rate, and metastasis on the time interval between irradiation and tumor cell transplantation. Milas L, et al. **Int J Radiat Oncol Biol Phys** 1987 Mar;13(3):379–83

Modified adhesion behavior after in vitro passage of two related murine mammary adenocarcinomas with different metastasizing ability. Bal de Kier Joffé E, et al. **Invasion Metastasis** 1986;6(5):302–12

Lymphocyte-induced angiogenesis: correlation with the metastatic incidence of two murine mammary adenocarcinomas. Miguez M, et al. **Invasion Metastasis** 1986;6(5):313–20

Correlation of fibrinolytic activity with invasion and metastasis of R3230 AC rat mammary carcinoma cell lines. Pauli BU, et al. **Invasion Metastasis** 1987;7(3):158–71

Relationship between histological structure and lactate dehydrogenase isoenzyme pattern of rat mammary tumors induced by dimethylbenz(a)-anthracene. Tóth J, et al. **J Exp Pathol** 1985 Spring;2(1):41–6

FACS analysis of tumor-associated macrophage replication: differences between metastatic and nonmetastatic murine mammary tumors. Mahoney KH, et al. **J Leukocyte Biol** 1987 Mar;41(3):205–11

Pathogenesis and characteristics of spontaneously metastasizing mammary carcinomas and the general principle of metastasis. Kim U. **J Surg Oncol** 1986 Nov; 33(3):151–65

Factors influencing the growth and metastatic behavior of tumors. Murthy MS, et al. **J Surg Oncol** 1987 May; 35(1):44–9

Stimulatory effect of high polyunsaturated fat diet on lung metastasis from the 13762 mammary adenocarcinoma in female retired breeder rats. Katz EB, et al. **JNCI** 1987 Aug; 79(2):351–8

Effect of prolactin and estradiol on cell proliferation in the uterus and the MXT mouse mammary neoplasm. Kiss R, et al. **JNCI** 1987 May;78(5):993–8

Synergism or antagonism between estradiol and progesterone on the cell kinetic parameters of the MXT mouse mammary tumor. Kiss R, et al. **JNCI** 1987 Mar;78(3):573–9

Enhancement of tumorigenicity with morphological progression in a BALB/c preneoplastic outgrowth line. Medina D, et al. **JNCI** 1987 Sep;79(3):569–76

Evidence by cellular mosaicism for monoclonal metastasis of spontaneous mouse mammary tumors. Ootsuyama A, et al. **JNCI** 1987 Jun;78(6):1223–7

Generation of cell types with myoepithelial and mesenchymal phenotypes during the conversion of rat mammary tumor epithelial stem cells into elongated cells. Warburton MJ, et al. **JNCI** 1987 Jun;78(6):1191–201

Normal but not carcinomatous primary rat mammary epithelium: readily transplanted to and maintained in the athymic nude mouse. Welsch CW, et al. **JNCI** 1987 Mar; 78(3):557–65

Histopathological changes in transplanted mouse mammary carcinoma following hyperthermia with or without radiation. Jo S, et al. **Jpn J Cancer Res** 1986 Nov; 77(11):1095–101

Development of cartilage-like tissue from androgen-dependent Shionogi carcinoma 115 in androgen-depleted hosts. Terada N, et al. **Lab Invest** 1987 Aug;57(2):186–92

Alteration of the tumorigenic and metastatic properties of neoplastic cells is associated with the process of calcium phosphate-mediated DNA transfection. Kerbel RS, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1263–7

Milk-specific RNase as a marker of differentiation of rat mammary tumors. Liu DK, et al. **Proc Soc Exp Biol Med** 1987 Oct;186(1):60–3

Fatty acid growth requirements of normal and neoplastic mammary epithelium. Kidwell WR. **Prog Clin Biol Res** 1986;222:699–706 (8 ref.)

Mechanism of growth retardation of the adenocarcinoma EO 771. Bassukas ID, et al. **Radiat Environ Biophys** 1987; 26(2):125–41

Heat sensitivity and membrane properties of metastasizing and non-metastasizing rat mammary tumors. Yatvin MB, et al. **Radiat Environ Biophys** 1987;26(2):89–101

Morphometric changes as a function of the proliferative status of murine mammary carcinoma cells. Yasui LS, et al. **Scanning Microsc** 1987 Jun;1(2):791–7

Patterns of blood-vessel invasion by mammary tumor cells. Song MJ, et al. **Tissue Cell** 1986;18(6):817–25

Mammary gland tumors in irradiated and untreated guinea pigs. Hoch-Ligeti C, et al. **Toxicol Pathol** 1986; 14(3):289–98

[Experimental studies on tumor induction in female rats by 60Co gamma ray irradiation] Gao FM. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Mar;15(1):26–9 (Eng. Abstr.) **(Chi)**

[Interaction of extracellular matrix macromolecules between host and metastatic tumor cells] Kimata K, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2025–32 (Eng. Abstr.) **(Jpn)**

[Stimulation and inhibition of the growth of sex-steroid-dependent tumors] Matsumoto K, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):771–9 (Eng. Abstr.) **(Jpn)**

[Metastatic behavior of footpad-inoculated tumors in mice and the impact of OK-432 per os administration] Nakajima Y, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1229–33 (Eng. Abstr.) **(Jpn)**

[Cancer metastasis and intercellular communication] Takeichi N, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2040–7 (Eng. Abstr.) **(Jpn)**

[Macrophage-mediated induction of drug-resistance variants in a mouse mammary tumor cell line] Yamashina K. **Hokkaido Igaku Zasshi** 1986 Jul;61(4):568–75 (Eng. Abstr.) **(Jpn)**

[Growth of transplantable aflatoxin B1-induced mammary cancer in Wistar rats during treatment with BCG vaccine] Leszczyszyn J. **Patol Pol** 1986 Jul–Sep;37(3):222–36 (Eng. Abstr.) **(Pol)**

[In vitro studies of the effect of a pulsed electromagnetic field on normal and cancer cells] Rius C, et al. **Rev Esp Oncol** 1985;32(1):55–84 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Chemotactic response of rat mammary adenocarcinoma cell clones to tumor-derived cytokines. Atnip KD, et al. **Biochem Biophys Res Commun** 1987 Aug 14; 146(3):996–1002

Comparative studies on estrogen receptors between a pregnancy-dependent mouse mammary tumor (TPDMT-4) and related autonomous tumors. Matsuzawa A, et al. **Endocrinology** 1987 Jun;120(6):2346–56

Increasing the thermosensitivity of a mammary tumor (CA755) through dietary modification. Elegbede JA, et al. **Eur J Cancer Clin Oncol** 1986 May;22(5):607–15

Sensitivity of the hormone dependent MXT-mouse mammary carcinoma to estradiol during tumoral growth. An autoradiographic study. Kiss R, et al. **Eur J Cancer Clin Oncol** 1986 Jul;22(7):849–56

An endogenous protein inhibitor of DNA polymerase alpha in normal and neoplastic rat mammary tissues. Klinge CM, et al. **Int J Biochem** 1987;19(5):461–6

Inhibitory effects of the pineal hormone melatonin and underfeeding during the promotional phase of 7,12-dimethylbenzanthracene-(DMBA)-induced mammary tumorigenesis. Blask DE, et al. **J Neural Transm** 1986;67(1–2):125–38

Stimulation of estradiol-17 beta secretion by 7,12-dimethylbenz (a) anthracene during mammary tumor induction in Sprague-Dawley rats. el Abed A, et al. **J Steroid Biochem** 1987 Jun;26(6):733–8

[Course of mammary carcinoma. New immunopathological parameters of its evaluation. Experimental study in mice (MuMT). I. Splenic hematopoiesis] Behmer OA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Sep–Oct; 41(5):213–8 (Eng. Abstr.) **(Por)**

[Characteristics of the inhibition of thymus endocrine function and synthesis of substances with thymosin-like activity caused by thymostimulin and splenin during DMBA-induced mammary gland carcinogenesis in rats] Bendiug GD, et al. **Eksp Onkol** 1987;9(3):54–7 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Mechanisms of selenium inhibition of tumorigenesis. Medina D. **Adv Exp Med Biol** 1986;206:465–72

Anticarcinogenic effects of retinoids in animals. Moon RC, et al. **Adv Exp Med Biol** 1986;206:399–411

Caloric effects in experimental mammary tumorigenesis. Kritchevsky D, et al. **Am J Clin Nutr** 1987 Jan;45(1 Suppl):236–42

Polar solvents in the chemoprevention of dimethylbenzanthracene-induced rat mammary cancer. McCabe D, et al. **Arch Surg** 1986 Dec;121(12):1455–9

Inhibition of the genesis of spontaneous mammary tumors in C3H mice: effects of selenium and of selenium-antagonistic elements and their possible role in human breast cancer. Schrauzer GN, et al. **Bioinorg Chem** 1976;6(3):265–70

Inhibition by indomethacin of spontaneous mammary tumorigenesis in SHN mice. Nagasawa H, et al. **Breast Cancer Res Treat** 1986;8(3):249–55

Anticarcinogenic and hepatotoxic interactions between retinyl acetate and butylated hydroxytoluene in rats. McCormick DL, et al. **Cancer Res** 1986 Oct;46(10):5264–9

From pathogenesis to hormone prevention of mammary carcinogenesis. Russo IH, et al. **Cancer Surv** 1986; 5(3):649–70 (115 ref.)

Effect of D,L-2-difluoromethylornithine and endocrine manipulation on the induction of mammary carcinogenesis by 1-methyl-1-nitrosourea. Thompson HJ, et al. **Carcinogenesis** 1986 Dec;7(12):2003–6

Acetoxy substituted 1,1,2-triphenylbut-1-enes: estrogenic, antiestrogenic and mammary tumor inhibiting activity. Schneider MR. **J Cancer Res Clin Oncol** 1986;112(2):119–24

Omega-3 fatty acids inhibiting the growth of a transplantable rat mammary adenocarcinoma. Kort WJ, et al. **JNCI** 1987 Sep;79(3):593–9

Influence of chronic melatonin on 9,10-dimethyl-1,2-benzanthracene-induced mammary tumors in female Holtzman rats exposed to continuous light. Kothari LS. **Oncology** 1987;44(1):64–6

Prophylactic partial mastectomy [letter] Woods JE. **Surgery** 1987 Jan;101(1):120–1

RADIONUCLIDE IMAGING

Comparative studies of radiocitrates in oncological models—I. 99mTc citrate and 67Ga citrate uptake by EMT-6 tumors in mice. Gati LJ, et al. **Int J Rad Appl Instrum [B]** 1986;13(3):253–5

Characterization of the uptake of 16 alpha-([18F]fluoro)-17 beta-estradiol in DMBA-induced mammary tumors. Mathias CJ, et al. **Int J Rad Appl Instrum [B]** 1987; 14(1):15–25

Improved radioimmunoscintigraphy of human mammary carcinoma xenografts after injection of an anti-antibody. Senekowitsch R, et al. **Nuklearmedizin** 1987 Feb;26(1):13–9

Dynamic (18F)-2-fluoro-2-deoxy-D-glucose (FDG) scintigraphy of normal and tumor-bearing rats. Paul R, et al. **Res Exp Med (Berl)** 1986;186(4):249–58

RADIOTHERAPY

Radiosensitizing effects of nicotinamide on a C3H mouse mammary adenocarcinoma. A study on per os drug administration. Kjellén E, et al. **Acta Radiol [Oncol]** 1986 Jul–Dec;25(4–6):281–4

Assessment of radiotherapeutic effects on experimental tumors using 18F-2-fluoro-2-deoxy-D-glucose. Abe Y, et al. **Eur J Nucl Med** 1986;12(7):325–8

Split-dose and low dose-rate recovery in four experimental tumour systems. Stephens TC, et al. **Int J Radiat Biol** 1987 Jul;52(1):157–70

The radiosensitizing effects of misonidazole (MISO) in combination with diethyl maleate (DEM) in mouse mammary tumors. Ono K, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1843–7

Interactions of radiation, cyclophosphamide and nimorazole in a C3H mammary carcinoma in vivo. Zachariae C, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1445–8

Cell loss from viable and necrotic tumor regions after local gamma irradiation measured by 125I-UdR. Bornschein R, et al. **Strahlenther Onkol** 1987 Feb;163(2):114–22

[Comparison of tumor cell behavior following single daily or multiple daily (accelerated) irradiation in mammary cancer in C3H mice] Pfersdorff J, et al. **Strahlenther Onkol** 1986 Nov;162(11):723–8 (Eng. Abstr.) **(Ger)**

[Radiosensitization effects of nucleoside analogs] Sougawa M, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Dec 25;46(12):1415–20 (Eng. Abstr.) **(Jpn)**

[Effect of the hypoxic cell radiosensitizer,a dinitroimidazole derivative, on murine tumors] Tanaka M, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Dec 25; 46(12):1442–3 (Eng. Abstr.) **(Jpn)**

SECRETION

Production of granulocyte-stimulating and bone cell-modulating activities from a neutrophilia hypercalcemia-inducing murine mammary cancer cell line. **Lee MY, et al. Cancer Res** 1987 Aug 1;47(15):4059–65

SURGERY

Experimental study on mechanism of absorption of cryonecrotized tumor antigens. **Miya K, et al. Cryobiology** 1987 Apr;24(2):135–9

Reduction of local tumor recurrence by excision with the CO2 laser. **Lanzafame RJ, et al. Lasers Surg Med** 1986; 6(5):439–41

THERAPY

Target-selective cytotoxicity of methotrexate conjugated with monoclonal anti-MM46 antibody. **Endo N, et al. Cancer Immunol Immunother** 1987;25(1):1–6

Tumor therapy of neoplastic diseases with tumor cells and neuraminidase. Further experimental studies on chessboard vaccination in canine mammary tumors. **Sedlacek HH, et al. Cancer Immunol Immunother** 1986;23(3):192–9

Enhanced therapeutic efficacy of cisplatin by combination with diethyldithiocarbamate and hyperthermia in a mouse model. **Murthy MS, et al. Cancer Res** 1987 Feb 1; 47(3):774–9

Local and systemic effects during interleukin-2 therapy of mouse mammary tumors. **Vaage J. Cancer Res** 1987 Aug 15;47(16):4296–8

Antimetastatic activity of lymphokine-activated killer cells to rat fibrosarcoma (WBT-2M) and rat mammary carcinoma (SST-2). **Ba DN, et al. Chin Med J [Engl]** 1987 Jan;100(1):2–7

Effect of submandibular gland removal on carcinogen induced rat mammary tumors. **Ravdin PM, et al. Eur J Cancer Clin Oncol** 1987 Apr;23(4):449–50

Heat stress proteins and experimental cancer metastasis. **Tomasovic SP, et al. Int J Hyperthermia** 1986 Jul–Sep; 2(3):253–66

Resistance to biological and chemical challenge in rodents treated with xerosin II, a natural product of Achromobacter xerosis. **Boylan ES, et al. J Biol Response Mod** 1987 Apr;6(2):194–204

Therapeutic ratio of mono or combination bacterial lipopolysaccharide therapy in methylnitrosourea-induced rat mammary carcinoma. **Berger MR, et al. J Cancer Res Clin Oncol** 1987;113(5):437–45

Effects of step-up and step-down heating combined with radiation on murine tumor and normal tissues. **Hiraoka M, et al. Jpn J Cancer Res** 1987 Jan;78(1):63–7

Experimental studies on the combined effects of alpha and gamma interferons against human tumor xenografts transplanted into nude mice. **Nosoh Y, et al. Jpn J Surg** 1987 May;17(3):168–73

Animal models for investigating antitumor effects of interferon. **Balkwill FR. Methods Enzymol** 1986;119:649–57

Experimental studies on interactions of radiation and cancer chemotherapeutic drugs in normal tissues and a solid tumour. **von der Maase H. Radiother Oncol** 1986 Sep; 7(1):47–68

[Experimental study on the killing effect of hyperbaric oxygen combined with photodynamic therapy on transplanted tumors in mice] **Dong GC. Chung Hua I Hsueh Tsa Chih** 1986 Nov;66(11):658–61 (Eng. Abstr.) **(Chi)**

[A hitherto unrecognized pattern of reactions in vertebrate cells (RiV). 3. Experimental therapy with the help of RiV particle preparations in mice with mammary carcinomas] **Solisch P, et al. Zentralbl Allg Pathol** 1987;133(3):293–8 (Eng. Abstr.) **(Ger)**

[Experimental studies on the enhanced effects of chemoendocrine therapy in breast cancer] **Abe R, et al. Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):785–92 (Eng. Abstr.) **(Jpn)**

[Synergistic action of lentinan (LNT) with endocrine therapy of breast cancer in rats and humans] **Kosaka A, et al. Gan To Kagaku Ryoho** 1987 Feb;14(2):516–22 (Eng. Abstr.) **(Jpn)**

[Experimental studies on thermotolerance in hyperthermia treatment of cancer] **Yoshihara T. Nippon Geka Gakkai Zasshi** 1987 Jun;88(6):663–74 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Stem cells and the development of mammary cancers in experimental rats and in humans. **Rudland PS. Cancer Metastasis Rev** 1987;6(1):55–83 (204 ref.)

Organization of cytoskeletal structures in 13762NF rat mammary adenocarcinoma cell lines and clones of different metastatic potentials. **Lichtner RB, et al. Invasion Metastasis** 1987;7(2):73–82

[Ultrastructural study of rat mammary tumors and human breast cancer cells following treatment with tamoxifen] **Kamioki S. Gan No Rinsho** 1986 Nov;32(14):1809–18 (Eng. Abstr.) **(Jpn)**

[Ultrastructure of the proteoglycan component of the extracellular matrix in the intact mammary gland and in benign and malignant mammary gland tumors] **Kondalenko VF, et al. Biull Eksp Biol Med** 1986 Sep;102(9):332–5 (Eng. Abstr.) **(Rus)**

MAMMILLARY BODIES

BLOOD SUPPLY

[Comparative characteristics of the capillary bed of the temporal lobe and the mammillary bodies of the hypothalamus in man in relation to age] **Petrenko AG. Arkh Anat Gistol Embriol** 1986 Aug;91(8):10–3 (Eng. Abstr.) **(Rus)**

[Comparative morpho-functional characteristics of the capillary bed of the mammillary bodies and temporal lobe of the human cerebral cortex in young and late middle-aged hypertensive patients] **Petrenko AG. Zh Nevropatol Psikhiatr** 1987;87(2):222–5 (Eng. Abstr.) **(Rus)**

CYTOLOGY

The hypothalamus receives major projections from the tuberomammillary nucleus in rat. **Staines WA, et al. Neurosci Lett** 1987 May 19;76(3):257–62

METABOLISM

Mammillothalamic enkephalinergic pathway in the rat: an immunocytochemical analysis. **Fujii S, et al. Brain Res** 1987 Jan 13;401(1):1–8

PATHOLOGY

Build-up and release from proactive interference during chronic ethanol consumption in mice: a behavioral and neuroanatomical study. **Beracochea D, et al. Behav Brain Res** 1987 Jul;25(1):63–74

PHYSIOLOGY

Changes in lymphocyte level with positive alpha-naphthyl acetate esterase (ANAE) reaction in peripheral blood of rabbits after destruction of mammillary hypothalamic region. **Luža J, et al. Acta Univ Palacki Olomuc Fac Med** 1985;111:83–8

Impairment of spontaneous alternation behavior in sequential test procedures following mammillary body lesions in mice: evidence for time-dependent interference-related memory deficits. **Béracochéa DJ, et al. Behav Neurosci** 1987 Apr; 101(2):187–97

Mammillothalamic tracts and representational memory. **Thomas GJ, et al. Behav Neurosci** 1985 Aug;99(4):621–30

Differential mechanisms involved in the anticonflict action of benzodiazepines injected into the central amygdala and mammillary body. **Kataoka Y, et al. Brain Res** 1987 Jul 28;416(2):243–7

Interruption of the connections of the mammillary bodies protects against generalized pentylenetetrazol seizures in guinea pigs. **Mirski MA, et al. J Neurosci** 1987 Mar; 7(3):662–70

Persistent memory loss following section of the anterior fornix in humans. A historical review. **Garcia-Bengochea F, et al. Surg Neurol** 1987 Apr;27(4):361–4

[Electrical reaction of the cerebellar cortex to stimulation of the medial mammillary nucleus and dorsal hippocampus] **Bratus' NV, et al. Fiziol Zh** 1987 Jan–Feb;33(1):31–8 (Eng. Abstr.) **(Rus)**

[Effect of isorhythmic and heterorhythmic stimulation of the septum and mammillary bodies on the EEG of the rabbit] **Korinevskaia IV. Zh Vyssh Nerv Deiat** 1987 Jan–Feb; 37(1):62–9 (Eng. Abstr.) **(Rus)**

MAMMOGRAPHY

Screening mammography [letter] **McLelland R. AJR** 1986 Nov;147(5):1091–3

Mammographic changes after reduction mammoplasty. **Miller CL, et al. AJR** 1987 Jul;149(1):35–8

The mammography report [letter] **Schorr RT. AJR** 1986 Dec;147(6):1332–3

Mammographic detection of recurrent cancer in the irradiated breast. **Stomper PC, et al. AJR** 1987 Jan; 148(1):39–43

Screening mammography [editorial] **Hall FM. Am Fam Physician** 1987 Mar;35(3):89–90

Re: "The relationship between Wolfe's classification of mammograms, accepted breast cancer risk factors, and the incidence of breast cancer" [letter] **de Waard F, et al. Am J Epidemiol** 1987 Jan;125(1):171–2

Needle localization of mammographically detected lesions in perspective. **Sickle-Santanello BJ, et al. Am J Surg** 1987 Sep;154(3):279–82

The changing mammogram. A primary indication for needle localization biopsy. **Wilhelm MC, et al. Arch Surg** 1986 Nov;121(11):1311–4

Early breast cancer. Mammography—the state of the art 1986. **Frayne JR. Australas Radiol** 1987 May;31(2):108–12

What is the optimum interval between mammographic screening examinations? An analysis based on the latest results of the Swedish two-county breast cancer screening trial. **Tabár L, et al. Br J Cancer** 1987 May;55(5):547–51

Screen-film mammography versus xeromammography in the detection of breast cancer. **Cuttino JT Jr, et al. Br J Radiol** 1986 Dec;59(708):1159–62

Changes in Wolfe mammographic patterns with aging. **Flook D, et al. Br J Radiol** 1987 May;60(713):455–6

Mammographic patterns in twin pairs discordant for breast cancer. **Kaprio J, et al. Br J Radiol** 1987 May; 60(713):459–62

Specimen radiology of excised breast lesions. **Farmer E, et al. Br J Surg** 1986 Sep;73(9):756–7

Demands on surgical inpatient services after mass mammographic screening. **Holmberg L, et al. Br Med J [Clin Res]** 1986 Sep 27;293(6550):779–82

Using mammography for cancer control: an unrealized potential. **Howard J. CA** 1987 Jan–Feb;37(1):33–48

Imaging in breast cancer. **Paulus DD. CA** 1987 May–Jun; 37(3):133–50 (48 ref.)

Experience with fine-wire localization breast biopsies for nonpalpable breast lesions detected mammographically [published erratum appears in Can J Surg 1986 Nov;29(6):418] **Luoma AA, et al. Can J Surg** 1986 Sep; 29(5):315–8

Mammography as a screening procedure for breast cancer [letter] **Miller AB, et al. Can J Surg** 1987 May;30(3):153–4

Should the hunt for nonpalpable breast lesions be called off? **Wright CJ. Can J Surg** 1986 Sep;29(5):299–300

Clinical, mammographic, and sonographic determination of preoperative breast cancer size. **Fornage BD, et al. Cancer** 1987 Aug 15;60(4):765–71

Population screening by mammography. **Tucker AK. Clin Radiol** 1987 May;38(3):215–6

A survey of radiation dose and image quality in mammography: an ongoing program in Italy. **Rimondi O, et al. Health Phys** 1987 Apr;52(4):437–41

Shielding requirements for mammography. **Simpkin DJ. Health Phys** 1987 Sep;53(3):267–79

Mammography and ultrasonography for breast cancer detection. **Jackson VP, et al. Indiana Med** 1986 Sep; 79(9):749–52

Screening mammography--potential problems on the horizon. **Baker SR. Invest Radiol** 1986 Nov;21(11):891–2

Carcinosarcoma of the breast: radiologic, ultrasonographic, and pathologic correlation. **Pope TL Jr, et al. J Can Assoc Radiol** 1987 Mar;38(1):50–1

Mammographic and CT detection of extrathoracic lung herniation. **Seibel DG, et al. J Comput Assist Tomogr** 1987 May–Jun;11(3):537–8

Diagnostic and therapeutic technology assessment. Mammographic screening for breast cancer. **JAMA** 1987 Sep 11;258(10):1387–9

Screening for breast cancer [letter] **Hoskins EO. Lancet** 1987 Apr 25;1(8539):981

Mammographic screening programmes [letter] **Med J Aust** 1987 Apr 6;146(7):400

Mammography [letter] **Med J Aust** 1986 Dec 1–15; 145(11–12):659–61

Teaching atlas of mammography [letter] **Med J Aust** 1986 Dec 1–15;145(11–12):661

Organized mammographic screening programmes. A benign or malignant neglect? **Mitchell H. Med J Aust** 1987 Jan 19;146(2):87–90

X-ray characterisation of normal and neoplastic breast tissues. **Johns PC, et al. Phys Med Biol** 1987 Jun; 32(6):675–95

Radiographic evidence of breast implant rupture [letter] **Ho WC. Plast Reconstr Surg** 1987 Jun;79(6):1009–10

Radiographic evidence of breast implant rupture. **Theophelis LG, et al. Plast Reconstr Surg** 1986 Nov;78(5):673–5

Breast imaging. **Radiol Clin North Am** 1987 Sep; 25(5):897–1048

Mammography screening: successes and problems in implementing widespread use in the United States. **Gold RH, et al. Radiol Clin North Am** 1987 Sep;25(5):1039–46

Imaging features and management of characteristically benign and probably benign breast lesions. **Homer MJ. Radiol Clin North Am** 1987 Sep;25(5):939–51 (30 ref.)

The use of computers in mammography screening. **Sickles EA. Radiol Clin North Am** 1987 Sep;25(5):1015–30

Evaluating the success of mammography at the local level: how to conduct an audit of your practice. **Spring DB, et al. Radiol Clin North Am** 1987 Sep;25(5):983–92

The control of breast cancer through mammography screening. What is the evidence? **Tabár L, et al. Radiol Clin North Am** 1987 Sep;25(5):993–1005 (44 ref.)

Accessory breast tissue in the axilla: mammographic appearance. **Adler DD, et al. Radiology** 1987 Jun; 163(3):709–11

How to initiate and operate a low-cost screening mammography center. **Bird RE, et al. Radiology** 1986 Oct; 161(1):43–7

Punctate intranodal gold deposits simulating microcalcifications on mammograms. **Bruwer A, et al. Radiology** 1987 Apr;163(1):87–8

Nonpalpable lesions detected with mammography: review of 512 consecutive cases. **Ciatto S, et al. Radiology** 1987 Oct;165(1):99–102

Mammographic findings after breast cancer treatment with local excision and definitive irradiation. **Dershaw DD, et al. Radiology** 1987 Aug;164(2):455–61

Lipomatous pseudomass of the breast: diagnosis suggested by discordant palpatory and mammographic findings. **Hall FM, et al. Radiology** 1987 Aug;164(2):463–4

Mammography in women under age 30: is there clinical benefit? [letter] **Hall FM. Radiology** 1987 Feb;162(2):582

Automated management of screening and diagnostic mammography. **Haug PJ, et al. Radiology** 1987 Sep; 164(3):747–52

What is a useful adjunct to mammography? [editorial] **Kopans DB. Radiology** 1986 Nov;161(2):560–1

Light scanning versus mammography in breast cancer detection. Monsees B, et al. **Radiology** 1987 May; 163(2):463–5

What is a useful adjunct to mammography? [letter] Seltzer MH. **Radiology** 1987 May;163(2):584–5

Chest wall after mastectomy. Part I. CT appearance of normal postoperative anatomy, postirradiation changes, and optimal scanning techniques. Shea WJ Jr, et al. **Radiology** 1987 Jan;162(1 Pt 1):157–61

Absorbed breast dose: dependence on radiographic modality and technique, and breast thickness. Skubic SE, et al. **Radiology** 1986 Oct;161(1):263–70

Mammography in women under age 30: is there clinical benefit? Williams SM, et al. **Radiology** 1986 Oct; 161(1):49–51

Screening for breast cancer in Malmö: a randomized trial. Andersson I, et al. **Recent Results Cancer Res** 1987;105:62–6

Projected benefits and risks from mammographic screening. Feig SA. **Recent Results Cancer Res** 1987;105:85–8

Mammography screening: published guidelines and actual practice. Feig SA. **Recent Results Cancer Res** 1987; 105:78–84

Screening for breast cancer: an overview. Tabár L. **Recent Results Cancer Res** 1987;105:58–61

The Guildford Breast Screening Project: 6-year assessment. Thomas BA, et al. **Recent Results Cancer Res** 1987; 105:67–72

The role of mammography in the detection of breast cancer. Samuel E. **S Afr Med J** 1987 Jun 20;71(12):779–80 (19 ref.)

Xeromammographic diagnosis of carcinoma of the breast in office practice. Burhenne LW, et al. **Surg Gynecol Obstet** 1987 May;164(5):452–6

[Mammography, a study sometimes liable to error (letter)] van Duijn NP. **Ned Tijdschr Geneeskd** 1986 Dec 6; 130(49):2234 **(Dut)**

[Mammography, sometimes a fallible study (letter)] Zonderland HM, et al. **Ned Tijdschr Geneeskd** 1986 Aug 9;130(32):1455–6 **(Dut)**

[Mammography and ultrasonography of the breast] Pamilo M, et al. **Duodecim** 1986;102(23–24):1760–5 (Eng. Abstr.) **(Fin)**

[Value of palpation and mammography in primary breast cancer. A retrospective study 1973–1982] de Waal JC, et al. **Geburtshilfe Frauenheilkd** 1987 Feb;47(2):93–5 (Eng. Abstr.) **(Ger)**

[Clinical and mammographic late results following Strömbeck breast reduction-plasties] Krebs H, et al. **Langenbecks Arch Chir** 1986;369:277–8 (Eng. Abstr.) **(Ger)**

[Ultrasound tomography of the breast in problematic mammographic findings] Hasert V, et al. **Radiol Diagn (Berl)** 1986;27(4):479–84 (Eng. Abstr.) **(Ger)**

[Roentgen symptoms of early cancer of the breast] Kopp W, et al. **Radiologe** 1986 Oct;26(10):498–502 (Eng. Abstr.) **(Ger)**

[Mammography after breast-preserving therapy of breast cancer] Dengel H, et al. **ROFO** 1987 May;146(5):532–8 (Eng. Abstr.) **(Ger)**

[Results and value of mammography in male breast cancer] Schratter M, et al. **Rontgenpraxis** 1986 Jul;39(7):226–9 **(Ger)**

[Relevance of palpatory, mammographic and thermographic assessment criteria in benign and malignant structural changes in the female breast] Bartl W, et al. **Wien Klin Wochenschr** 1986 Dec 5;98(23):797–803 (Eng. Abstr.) **(Ger)**

[Secondary prevention of breast cancer within the scope of mass roentgen screening] Hetzke E, et al. **Z Gesamte Hyg** 1987 Jun;33(6):274–6 (Eng. Abstr.) **(Ger)**

[Additional images and subsequent palpation—indispensable conditions for efficient diagnosis using mammography] Hüppe JR. **Z Lymphol** 1986 Dec;10(2):63–76 (Eng. Abstr.) **(Ger)**

[Xeroductogalactography. Case reports] Bultrini M, et al. **Radiol Med (Torino)** 1987 Jan–Feb;73(1–2):68–70 (Eng. Abstr.) **(Ita)**

[Radiographic screening of breast carcinoma in young women] Periti M, et al. **Recenti Prog Med** 1986 Jul–Aug; 77(7–8):378–9 **(Ita)**

[Advantages and disadvantages of mammography screening of healthy women. A critical evaluation] Malterud K. **Tidsskr Nor Laegeforen** 1986 Jun 30;106(19–21):1608–10, 15 (Eng. Abstr.) **(Nor)**

[Should mammography screening be adopted in Norway?] Reiertsen O, et al. **Tidsskr Nor Laegeforen** 1986 Jun 30; 106(19–21):1605–7 (Eng. Abstr.) **(Nor)**

[Mammography screening (letter)] Thesen J. **Tidsskr Nor Laegeforen** 1986 Sep 20;106(26):2181–2 **(Nor)**

[Radiographic methods of breast imaging in the early diagnosis of cancer] Tseshkovskiĭ MS, et al. **Med Radiol (Mosk)** 1986 Sep;31(9):66–70 (25 ref.) **(Rus)**

[Significance of calcifications of the breast and diagnostic value of mammography] Sánchez Martos J, et al. **Rev Esp Oncol** 1984;31(4):665–708 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Cancers induced and cancers detected in a mammography screening programme. Law J. **Br J Radiol** 1987 Mar; 60(711):231–4

[The incidence of breast carcinoma following roentgen radiotherapy at the Marburg University Women's Clinic] Eulenburg R, et al. **Strahlenther Onkol** 1987 Mar; 163(3):192–4 (Eng. Abstr.) **(Ger)**

ECONOMICS

Low-cost mass screening with mammography as a means of reducing overall mortality from breast cancer. McLelland R. **Radiol Clin North Am** 1987 Sep; 25(5):1007–13 (58 ref.)

Mammographic screening: how to operate successfully at low cost [letter] **Radiology** 1986 Dec;161(3):850–2

HISTORY

History and recent developments in xeroradiography of the breast. Wolfe JN. **Radiol Clin North Am** 1987 Sep; 25(5):929–37

INSTRUMENTATION

Localization devices for occult breast lesions [letter] Hall FM, et al. **AJR** 1987 Aug;149(2):441

Mammographic grids and breast radiation [letter] Hall FM. **AJR** 1987 Feb;148(2):456–7

A comparative study of films and screens for mammography. Kirkpatrick AE, et al. **Br J Radiol** 1987 Jan;60(709):73–8

Mammography equipment: principles, features, selection. Feig SA. **Radiol Clin North Am** 1987 Sep;25(5):897–911 (65 ref.)

Recent advances in screen-film mammography. Haus AG. **Radiol Clin North Am** 1987 Sep;25(5):913–28 (52 ref.)

Needle localization of occult breast lesions with a curved-end retractable wire: technique and pitfalls. Homer MJ, et al. **Radiology** 1986 Nov;161(2):547–8

Clinical considerations in selection of dedicated mammography units. Feig SA, et al. **Recent Results Cancer Res** 1987;105:15–8

Imaging capabilities and dose considerations of different mammographic units. Galkin BM, et al. **Recent Results Cancer Res** 1987;105:25–30

Recent trends in screen-film mammography: technical factors and radiation dose. Haus AG. **Recent Results Cancer Res** 1987;105:37–51 (45 ref.)

Comparison of mammographic screen-film systems. Sickles EA. **Recent Results Cancer Res** 1987;105:52–7

[Mammography using stationary grids. Qualitative and dosimetric considerations] Burke P, et al. **Radiol Med (Torino)** 1986 Sep;72(9):660–3 (Eng. Abstr.) **(Ita)**

[Use of grids in mammography] Cervi PM, et al. **Radiol Med (Torino)** 1987 Mar;73(3):228–32 (Eng. Abstr.) **(Ita)**

[Comparison between phantoms for quality control in xeromammography] Gambaccini M, et al. **Radiol Med (Torino)** 1987 Mar;73(3):236–41 (Eng. Abstr.) **(Ita)**

METHODS

Image quality in mammography with special reference to anti-scatter grids and the magnification technique. Nielsen B, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jul–Aug; 27(4):467–79

Preoperative needle localization of lesions in the lower half of the breast: needle entry from below. Homer MJ. **AJR** 1987 Jul;149(1):43–5

Localization of breast lesions identified on only one mammographic view. Kopans DB, et al. **AJR** 1987 Jul; 149(1):39–41

Two-view specimen radiography in surgical biopsy of nonpalpable breast masses. Rebner M, et al. **AJR** 1987 Aug; 149(2):283–5

Baseline screening mammography: one vs two views per breast. Sickles EA, et al. **AJR** 1986 Dec;147(6):1149–53

Mammographic density and physical assessment of the breast. Swann CA, et al. **AJR** 1987 Mar;148(3):525–6

Mammographic parenchymal patterns and quantitative evaluation of mammographic densities: a case-control study. Wolfe JN, et al. **AJR** 1987 Jun;148(6):1087–92

Mammographic identification and biopsy of occult breast cancer. Lee MJ, et al. **Ann R Coll Surg Engl** 1986 Jul; 68(4):188–90

Localization and excision of nonpalpable breast lesions. A surgical evaluation of three methods. Tinnemans JG, et al. **Arch Surg** 1987 Jul;122(7):802–6

The usefulness of a moving grid in mammography [letter] Friedrich M. **Br J Radiol** 1985 Nov;58(695):1145–6

Hooked-wire-directed breast biopsy and overpenetrated mammography. Silverstein MJ, et al. **Cancer** 1987 Feb 15; 59(4):715–22

Breast cancer screening [editorial] **Lancet** 1987 Mar 7; 1(8532):543–4

Image feature analysis and computer-aided diagnosis in digital radiography. I. Automated detection of microcalcifications in mammography. Chan HP, et al. **Med Phys** 1987 Jul–Aug;14(4):538–48

Dose comparisons for mammographic systems. Speiser RC, et al. **Med Phys** 1986 Sep–Oct;13(5):667–73

Use of special mammographic views to maximize radiographic information. Logan WW, et al. **Radiol Clin North Am** 1987 Sep;25(5):953–9

Breast imaging: dual-energy projection radiography with digital radiography. Asaga T, et al. **Radiology** 1987 Sep; 164(3):869–70

Breast cancer detection: one versus two views. Bassett LW, et al. **Radiology** 1987 Oct;165(1):95–7

Dermal breast calcifications: localization with template-guided placement of skin marker. Berkowitz JE, et al. **Radiology** 1987 Apr;163(1):282

Screen-film mammographic technique for breast cancer screening. Stanton L, et al. **Radiology** 1987 May; 163(2):471–9

Difficult mammographic needle localizations: use of alternate orthogonal projections. Vyborny CJ, et al. **Radiology** 1986 Dec;161(3):839–41

Mammographic microcalcifications: detection with xerography, screen-film, and digitized film display [letter] Wolochow MS. **Radiology** 1987 Mar;162(3):879–80

Difficult mammographic needle localizations: use of alternate orthogonal projections [letter] Yagan R, et al. **Radiology** 1987 Jun;163(3):829–30

Needle localization of occult breast lesions with a curved-end retractable wire: techniques and pitfalls [letter] Yagan R. **Radiology** 1987 Apr;163(1):284

Evaluation of breast microcalcifications by means of optically magnified tissue specimen radiographs. Feig SA, et al. **Recent Results Cancer Res** 1987;105:111–23

The role of magnification technique in modern mammography. Sickles EA. **Recent Results Cancer Res** 1987;105:19–24

[The importance of specimen radiography in the diagnosis of breast cancer] Holland R, et al. **Ned Tijdschr Geneeskd** 1986 Nov 22;130(47):2118–21 **(Dut)**

[Densitometric aspects of mammography] Kozlov AP, et al. **Radiol Diagn (Berl)** 1987;28(1):127–34 (Eng. Abstr.) **(Ger)**

[Magnification mammography using 0.1 mm microfocus. Comparison of grid and spot-view magnification] Teubner J, et al. **Radiologe** 1987 Apr;27(4):155–64 (Eng. Abstr.) **(Ger)**

[Radiation protection in mammography: possibilities of dose reduction] Säbel M, et al. **Rontgenpraxis** 1987 Feb; 40(2):65–71 **(Ger)**

PSYCHOLOGY

Mammography: attitudes and reactions. Jakobsen S, et al. **Recent Results Cancer Res** 1987;105:73–7

STANDARDS

Experimental verification of a technique for predicting scattered radiation transfer: application to low photon energies. Bernstein H, et al. **Med Phys** 1986 Nov–Dec; 13(6):836–42

Thermoluminescent dosimeters for in vivo measurement of radiation exposure and related dose in mammography. Omran HA. **Radiol Technol** 1982 Mar–Apr;53(5):383–92

Development and implementation of a quality assurance program for mammography. de Paredes ES, et al. **Radiology** 1987 Apr;163(1):83–5

Image quality in mammography: physical and technical limitations. Nielsen B. **Recent Results Cancer Res** 1987; 105:1–14 (34 ref.)

[Quality control of mammography in daily practice] Hering KG. **Rontgenpraxis** 1986 Jul;39(7):230–2 **(Ger)**

TRENDS

Development of mammography and breast services in a community hospital. Margolin FR, et al. **Radiol Clin North Am** 1987 Sep;25(5):973–82

Breast exposure: nationwide trends; a mammographic quality assurance program—results to date. Jensen JE, et al. **Radiol Technol** 1978 Nov–Dec;50(3):251–7

UTILIZATION

Utilization of screening mammography: comparison of different physician specialties. Mann LC, et al. **Radiology** 1987 Jul;164(1):121–2

MAMMOTROPIC HORMONE, PITUITARY see **PROLACTIN**

MAMMOTROPIC HORMONE, PLACENTAL see **PLACENTAL LACTOGEN**

MAMMOTROPIN see **PROLACTIN**

MAN-MACHINE SYSTEMS

Effect of seat position on maximal linear velocity in wheelchair sprinting. Walsh CM, et al. **Can J Appl Sport Sci** 1986 Dec;11(4):186–90

Changes in electromyographic activity associated with occupational stress and poor performance in the workplace. Gomer FE, et al. **Hum Factors** 1987 Apr;29(2):131–43

Spectral analysis of sinus arrhythmia: a measure of mental effort. Vicente KJ, et al. **Hum Factors** 1987 Apr; 29(2):171–82

The effect of VDT work on the fluctuations of accommodation. Tanahashi M, et al. **Ind Health** 1986; 24(4):173–89

A theory of wheelchair wheelie performance. Kauzlarich JJ, et al. **J Rehabil Res Dev** 1987 Spring;24(2):67–80

Digitized images: what type of grey scale should one use? Kingdom F, et al. **Perception** 1986;15(1):17–25

[Human response to vibration. An ergonomic applicability of current knowledge to the automobile] Vercellotti E. **Minerva Med** 1986 Oct 6;77(38):1725–33 (Eng. Abstr.) **(Ita)**

[Characteristics of the visual control of instrument information in flight maneuvers] Malinin ID, et al. **Kosm Biol Aviakosm Med** 1986 Jul–Aug;20(4):4–8 (Eng. Abstr.) **(Rus)**

MANAGEMENT AUDIT see under **ORGANIZATION AND ADMINISTRATION**

MANAGEMENT INFORMATION SYSTEMS

Computer–generated reports for monitoring variances in the drug budget. Horner LB, et al. **Am J Hosp Pharm** 1987 Apr;44(4):776–82

Assessing the effectiveness of a management information system in improving preschoolers' use of fluoride supplements. Leake JL, et al. **Can J Public Health** 1987 Jan–Feb;78(1):25–30

The role of centralized computer services in faculty evaluation. Coleman EA, et al. **Comput Nurs** 1986 Nov–Dec;4(6):259–64

A computer simulation program to facilitate budgeting and staffing decisions in an intensive care unit. Hashimoto F, et al. **Crit Care Med** 1987 Mar;15(3):256–9

Newfoundland implementation: government, association and hospital cooperate. Kennedy N. **Dimens Health Serv** 1987 Mar;64(2):46–9

Why bother with the MIS Guidelines? Lowry B. **Dimens Health Serv** 1987 Feb;64(1):50–2

Selecting computer applications using the RFP process. Walker K. **Dimens Health Serv** 1987 Apr;64(3):18–20

Use of computers in emergency department practice. Cantrill SV. **Emerg Med Clin North Am** 1987 Feb;5(1):155–65

A system for assessing clerkship experience using a logbook and microcomputers. Hobbs J, et al. **Fam Med** 1987 Jul–Aug;19(4):287–90

Human resource indicators for hospital managers. Aram JD, et al. **Health Care Manage Rev** 1987 Spring;12(2):15–22

Physician practice profiles: a case study of the use of audit and feedback in an ambulatory care group practice. Braham RL, et al. **Health Care Manage Rev** 1987 Summer; 12(3):11–6

Medical records make bumpy outpatient transition. Riffer J. **Hospitals** 1986 Oct 20;60(20):74

Providers bear cost of poor payer information. Shahoda T. **Hospitals** 1987 Apr 20;61(8):33

St. Joe's goal: managing hospital costs systematically. Traska MR. **Hospitals** 1986 Oct 5;60(19):78, 80

The computer as an aid in clinical management. Ford MG. **J Am Diet Assoc** 1987 Apr;87(4):497–500

Media Management Information System (MMIS)—a dBASE III Plus applications program for media department management. Hurtgen TP. **J Biol Photogr** 1987 Apr; 55(2):53–62

Computer–assisted information management for the pediatric residency review process. Kallen RJ. **J Med Educ** 1986 Oct;61(10):830–4

A performance–based management system to reduce prematurity and low birth weight. Kotch JB, et al. **J Med Syst** 1986 Aug;10(4):375–94

Acuity and staffing under prospective payment. Adams R, et al. **J Nurs Adm** 1986 Oct;16(10):21–5

Nursing costs/DRG: a patient classification system and comparative study. Fosbinder D. **J Nurs Adm** 1986 Nov; 16(11):18–23

Multiple shift patient classification: is it necessary? Kinley J, et al. **J Nurs Adm** 1987 Feb;17(2):22–5

Refining a classification system for fiscal and staffing management. Marks FE. **J Nurs Adm** 1987 Jan;17(1):39–43

Effects on nurse retention. An experiment with scheduling. Choi T, et al. **Med Care** 1986 Nov;24(11):1029–43

Computer program for quick work scheduling of nursing staff. Anzai M, et al. **Med Inf (Lond)** 1987 Jan–Mar; 12(1):43–52

Systematic clinical placement of physical therapy students. Van Swearingen JM. **Phys Ther** 1987 Mar;67(3):394–8

Health care cost accounting: finding the systems solution. Burik D, et al. **Top Health Care Financ** 1987 Summer; 13(4):48–55

Enhancing cost accounting efforts by improving existing information sources. Kerschner MI, et al. **Top Health Care Financ** 1987 Summer;13(4):10–9

Utilizing cost accounting information for budgeting. Kerschner MI, et al. **Top Health Care Financ** 1987 Summer; 13(4):56–66

[Computerized management of a department of surgery] Galeone M, et al. **Minerva Chir** 1987 Apr 30;42(8):751–4 (Eng. Abstr.) **(Ita)**

[Improvements in the management of the regional tuberculosis control service using computer technology] Kopylova IF, et al. **Probl Tuberk** 1986;(12):5–10 (Eng. Abstr.) **(Rus)**

ECONOMICS

An automated staff scheduling system that minimizes payroll costs and maximizes nurse satisfaction. Fitzpatrick T, et al. **Comput Nurs** 1987 Jan–Feb;5(1):10–4

The use of billing data in quality assurance. Mendenhall S. **QRB** 1987 Jan;13(1):31–3

ORGANIZATION & ADMINISTRATION

Lutheran's CFO: a valued player. Traska MR. **Hospitals** 1986 Dec 5;60(23):52

CAPS: an office management program. Cushing W Jr. **MD Comput** 1986 Sep–Oct;3(5):49–51

[Organizational problems of information services in provincial (territorial) public health branches] Frolov VA. **Sov Zdravookhr** 1986;(8):46–8 (Eng. Abstr.) **(Rus)**

[Computer–assisted task preparation and performance of physician organizers] Kuvakim VI, et al. **Voen Med Zh** 1987 May;(5):16–9 **(Rus)**

STANDARDS

Information systems lack flexibility: HMOs. Packer CL. **Hospitals** 1987 Jul 20;61(4):82

TRENDS

Data needs undergo change as multis change. Shahoda T. **Hospitals** 1986 Dec 5;60(23):38

UTILIZATION

Most PPAs plugged into automated MIS: survey. Traska MR. **Hospitals** 1987 Jun 20;61(12):122

MANAGEMENT QUALITY CIRCLES see under **PERSONNEL MANAGEMENT**

MANDELIC ACIDS

BLOOD

Dihydroxyphenylglycol and dihydroxymandelic acid during intravenous infusions of noradrenaline [letter] Eisenhofer G, et al. **Clin Sci** 1987 Jul;73(1):123–5

Liquid chromatographic method for the determination of 3,4–dihydroxyphenylethylene glycol and 3,4–dihydroxymandelic acid in plasma. Eriksson BM, et al. **J Chromatogr** 1987 Jan 16;386:1–9

METABOLISM

Tyrosinase catalyzes an unusual oxidative decarboxylation of 3,4–dihydroxymandelate. Sugumaran M. **Biochemistry** 1986 Aug 12;25(16):4489–92

Degradation of substituted mandelic acids by meta fission reactions. Sze IS, et al. **J Bacteriol** 1987 Aug;169(8):3833–5

PHARMACODYNAMICS

Cyclandelate: calcium modulation and clinical effects. Proceedings of a symposium. Helsinki, 14–15 November, 1986. **Drugs** 1987;33 Suppl 2:1–141

The influence of cyclandelate on Ca++ translocation in human platelets. Akkerman JW, et al. **Drugs** 1987;33 Suppl 2:53–9

Cyclandelate as a calcium modulating agent in rat cerebral cortex. Bast A, et al. **Drugs** 1987;33 Suppl 2:67–74

Influence of cyclandelate on in vitro red blood cell deformability. Hall DW, et al. **Drugs** 1987;33 Suppl 2:30–40

Cyclandelate. An inhibitor of cholesterol esterification. Middleton B, et al. **Drugs** 1987;33 Suppl 2:75–9

Calcium modulation and clinical effect. Profile of cyclandelate. Timmerman H. **Drugs** 1987;33 Suppl 2:1–4

Inhibition of human platelet functions by cyclandelate. van den Hoven WE, et al. **Drugs** 1987;33 Suppl 2:41–52

Effect of cyclandelate on prostacyclin release and cytosolic free calcium concentrations in human endothelial cells. van Hinsbergh VW. **Drugs** 1987;33 Suppl 2:60–6

Depressant action of oxybutynin on the contractility of intestinal and urinary tract smooth muscle. Tonini M, et al. **J Pharm Pharmacol** 1987 Feb;39(2):103–7

[Observation on the effect of mandelic amide on Trichomonas vaginalis by transmission electron microscopy] Zhang M, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(2):120–2 (Eng. Abstr.) **(Chi)**

THERAPEUTIC USE

Cyclandelate versus flunarizine. A double–blind study in a selected group of patients with dementia. Albizzati MG, et al. **Drugs** 1987;33 Suppl 2:90–6

Specific effects of cyclandelate on memory. Ananth J. **Drugs** 1987;33 Suppl 2:97–102

Cyclandelate in the treatment of multi–infarct dementia. Interim findings from a multicentre study in general practice. Blakemore CB. **Drugs** 1987;33 Suppl 2:110–3

Cyclandelate in the treatment of vertigo of circulatory origin. A study in general practice. de Halleux F. **Drugs** 1987;33 Suppl 2:114–9

Clinical experience with cyclandelate in insulin–dependent diabetic patients with neuropathy. De Leeuw IH, et al. **Drugs** 1987;33 Suppl 2:125–30

The effect of cyclandelate on cholesterol metabolism in patients with familial hypercholesterolaemia. Gevers Leuven JA, et al. **Drugs** 1987;33 Suppl 2:131–5

Perceived efficacy of cyclandelate in the treatment of cochleovestibular and retinal disturbances related to cerebrovascular insufficiency. A study in general practice comprising 2772 patients. Memin Y. **Drugs** 1987;33 Suppl 2:120–4

Comparative efficacy of cyclandelate versus flunarizine in the prophylactic treatment of migraine. Nappi G, et al. **Drugs** 1987;33 Suppl 2:103–9

Effect of cyclospasmol on early diabetic retinopathy. Mota MC, et al. **Int Ophthalmol** 1987 Feb;10(1):3–9

[Treatment with oxybutynin hydrochloride of urinary incontinence and hyperactive bladder conditions in children] Aubert D, et al. **Ann Pediatr (Paris)** 1986 Sep; 33(7):629–34 (Eng. Abstr.) **(Fre)**

[Controlled clinical study of Novodil in the treatment of senile macular lesions] Delafoulhouje C, et al. **Bull Soc Ophtalmol Fr** 1985 Oct;85(10):1065–7 (Eng. Abstr.) **(Fre)**

[Clinical effects of oxybutynin hydrochloride on neurogenic bladder] Toma H, et al. **Hinyokika Kiyo** 1986 Jun; 32(6):907–11 (Eng. Abstr.) **(Jpn)**

[Instability of the detrusor muscle. Treatment with oxybutynin chloride (ditropan)] Perales Cabanas L, et al. **Actas Urol Esp** 1986 Nov–Dec;10(6):481–6 (Eng. Abstr.) **(Spa)**

MANDELONITRILE BETA GENTIOBIOSIDE see **AMYGDALIN**

MANDIBLE

see related
CHIN

Diagnosis and treatment of infections extending from the mandibular posterior region. Hermsen K. **Ann Dent** 1987 Summer;46(1):43–5, 57

A method of mixed dentition analysis in the mandible. Motokawa W, et al. **ASDC J Dent Child** 1987 Mar–Apr; 54(2):114–8

A comparison of bupivacaine to lidocaine with respect to duration in the maxilla and mandible. Teplitsky PE, et al. **Can Dent Assoc J** 1987 Jun;53(6):475–8

A rare case of penetrating wound of the skull and brain with contracture of the mandible. Dimitrov D, et al. **Folia Med (Plovdiv)** 1986;28(1):11–3

Reproducibility of the border outline of working impressions of the edentulous mandible obtained by the Slack–Herbst method. Krysinski Z, et al. **J Nihon Univ Sch Dent** 1986 Jun;28(2):139–45

Ernest syndrome as a consequence of stylomandibular ligament injury: a report of 68 patients. Shankland WE 2d. **J Prosthet Dent** 1987 Apr;57(4):501–6

A broken dental needle and its surgical removal: a case report. Pietruszka JF, et al. **NY State Dent J** 1986 Aug–Sep; 52(7):28–31

Radiologic case study. Massive mandibular osteolysis in progressive systemic sclerosis. Awwad EE, et al. **Orthopedics** 1987 May;10(5):800, 803–8

ABNORMALITIES

Midtrimester sonographic diagnosis of mandibulofacial dysostosis. Crane JP, et al. **Am J Med Genet** 1986 Oct; 25(2):251–5

Pterygium colli medianum and midline cervical cleft: midline anomalies in the sense of a developmental field defect. Godbersen S, et al. **Am J Med Genet** 1987 Jul;27(3):719–23

Russell–Silver syndrome: microdontia and other pertinent oral findings. Cullen CL, et al. **ASDC J Dent Child** 1987 May–Jun;54(3):201–4

Bone scintigraphy in a patient with cerebro–costo–mandibular syndrome. Feldman N, et al. **Clin Nucl Med** 1987 Jan;12(1):68–9

Cleft palate, brachygnathia inferior, and mandibular oligodontia in a Holstein calf. Griffith JW, et al. **J Comp Pathol** 1987 Jan;97(1):95–9

Obstructive sleep apneic patients have craniomandibular abnormalities. Jamieson A, et al. **Sleep** 1986 Dec; 9(4):469–77

[Uses and modification of sagittal split ramus osteotomy in orthognathic surgery] Wang X. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1987 Jan; 22(1):15–8, 62 (Eng. Abstr.) **(Chi)**

[Use of models in surgical orthodontics] Tao CM. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Nov;21(6):340–2, 383–4 (Eng. Abstr.) **(Chi)**

[Mandibular prognathic syndrome and its surgical correction by simultaneous total maxillary and mandibular osteotomies] Wang DZ. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Nov;21(6):330–4, 383 (Eng. Abstr.) **(Chi)**

[Uses of Le Fort I osteotomy in the correction of dentofacial deformities: a preliminary report] Yang D. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Nov;21(6):325–9, 383 (Eng. Abstr.) **(Chi)**

[Lingual cortical mandibular defects (Stafne's defects)] Piette E. **Rev Belge Med Dent** 1986 May;41(2):47–53 (Eng. Abstr.) **(Fre)**

[Early osteoplastic interventions in children with otofacial dysostosis] Kotov GA. **Vestn Khir** 1987 Jan;138(1):114–5 **(Rus)**

ANALYSIS

[Changes in the Ca and P content of the human mandible in partial defects of dentition and the presence of bridge dentures] Semeniuk VM, et al. **Stomatologiia (Mosk)** 1987 Jan–Feb;66(1):24–5 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Anterior displacement of the mandible for better exposure of the distal segment of the extracranial carotid artery. Cantore GP, et al. **Acta Neurochir (Wien)** 1987; 86(1–2):56–60

Intra- and inter-observer variability and accuracy in the determination of linear and angular measurements in computed tomography. An in vitro and in situ study of human mandibles. Christiansen EL, et al. **Acta Odontol Scand** 1986 Aug;44(4):221–9

Assessment of anteroposterior jaw relationship. Chang HP. **Am J Orthod Dentofacial Orthop** 1987 Aug;92(2):117–22

An individualized approach to locating the occlusal plane. Di Paolo RJ. **Am J Orthod Dentofacial Orthop** 1987 Jul; 92(1):41–5

A cephalometric study of mandibular changes in modified function regulator (Fränkel) treatment. Haynes S. **Am J Orthod Dentofacial Orthop** 1986 Oct;90(4):308–20

The depth of the mandibular antegonial notch as an indicator of mandibular growth potential. Singer CP, et al. **Am J Orthod Dentofacial Orthop** 1987 Feb;91(2):117–24

Retromolar foramen of the human mandible. Ossenberg NS. **Am J Phys Anthropol** 1987 May;73(1):119–28

Jugular foramen and mylohyoid bridging in an Asian Indian population. Sawyer DR, et al. **Am J Phys Anthropol** 1987 Apr;72(4):473–7

Pliocene hominid partial mandible from Tabarin, Baringo, Kenya. Ward S, et al. **Am J Phys Anthropol** 1987 Jan; 72(1):21–37

Vertical dimension and freeway space. A kinesiographic study. Konchak PA, et al. **Angle Orthod** 1987 Apr; 57(2):145–54

Attaining mandibular stability following repositioning splint therapy. Case report. Clausen GF, et al. **Aust Dent J** 1986 Dec;31(6):440–4

Local anaesthesia and applied anatomy. Shields PW. **Aust Dent J** 1986 Oct;31(5):319–25

The technical reliability of superimposition on cranial base and mandibular structures. Buschang PH, et al. **Eur J Orthod** 1986 Aug;8(3):152–6

Anthropometric characteristic of the human neonatal mandible. Malinowski A, et al. **Folia Morphol (Warsz)** 1986; 45(3):219–24

Position of the mandibular canal. Tamás F. **Int J Oral Maxillofac Surg** 1987 Feb;16(1):65–9

Mandibular-morphogenesis gene linked to the H-2 complex in mice. Bailey DW. **J Craniofac Genet Dev Biol [Suppl]** 1986;2:33–9

Size of the alveolar arch of the mandible in relation to that of the maxilla in 45,X females. Laine T, et al. **J Dent Res** 1986 Dec;65(12):1432–4

Mandibular border positions and their relationships with peripheral joint mobility. McCarroll RS, et al. **J Oral Rehabil** 1987 Mar;14(2):125–31

Changes in jaw relations and activity of masticatory muscles in patients with immediate complete upper dentures. Tallgren A, et al. **J Oral Rehabil** 1986 Jul;13(4):311–24

Head angulation and variations in the maxillomandibular relationship. Part I: The effects on the vertical dimension of occlusion. Araki NG, et al. **J Prosthet Dent** 1987 Jul; 58(1):96–100

A comparison of various angles of the mandible with the condylar long axis. Laurell KA, et al. **J Prosthet Dent** 1987 Mar;57(3):369–74

Vertical alveolar bone changes related to overdenture abutment teeth. Walters RA. **J Prosthet Dent** 1987 Mar; 57(3):309–14

Morphometrical observations on the mandible of five strains of rabbits and strain identification using mandible measurements. Goto N, et al. **Lab Anim** 1987 Jul; 21(3):188–94

The position of the mental foramen: a comparison between the southern (Hong Kong) Chinese and other ethnic and racial groups. Green RM. **Oral Surg Oral Med Oral Pathol** 1987 Mar;63(3):287–90

[Measurement of the lower border and alveolar arch of the mandible] Hong L. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Sep;21(5):276–7, 318 (Eng. Abstr.) **(Chi)**

[The incidence of lateral ramus prominence (LRP) of the mandible and correlations with the inferior alveolar neuro-vascular system] Li QL. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Mar;21(2):117–9 **(Chi)**

[Orthopantomographic study on the location of the mental foramen and mandibular canal in Chinese] Kuo YS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Jan;86(1):81–6 (Eng. Abstr.) **(Chi)**

[Anthropological study of Shizunai Ainu skulls with special reference to the mandible] Takeda M. **Kaibogaku Zasshi** 1986 Dec;61(6):694–708 (Eng. Abstr.) **(Jpn)**

[Morphological characteristics of the regeneration of a periapical defect in the bony tissue of the jaw (experimental research)] Levkovich AN. **Stomatologiia (Mosk)** 1987 Mar–Apr;66(2):19–20 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Blood supply in bone and periodontal ligament tissue surrounding mandibular fourth premolars in dogs—a morphological study. Follin ME, et al. **Eur J Orthod** 1986 Aug;8(3):167–71

Arteriographic assessment of patency of the inferior alveolar artery and its relevance to alveolar atrophy. Pogrel MA, et al. **J Oral Maxillofac Surg** 1987 Sep;45(9):767–70

Embolization of an arteriovenous malformation of the mandible. van den Akker HP, et al. **J Oral Maxillofac Surg** 1987 Mar;45(3):255–60

The inferior alveolar artery in its bony course. Poirot G, et al. **Surg Radiol Anat** 1986;8(4):237–44

[Experimental study of the blood supply of the mandibular ramus using radionuclides] Peng JY, et al. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1987 Jan; 22(1):19–22, 62–3 (Eng. Abstr.) **(Chi)**

[Revascularization after anterior maxillary and mandibular osteotomy] Yang Q, et al. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1987 Jan; 22(1):49–51 (17 ref.) **(Chi)**

[Micrangium staining of normal pulp, periodontium and mandible] Cui YT. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 May;21(3):168–70 **(Chi)**

[Changes in blood flow values during the treatment of an uncomplicated mandibular fracture using a laser] Kats AG, et al. **Stomatologiia (Mosk)** 1987 Mar–Apr;66(2):38–41 (Eng. Abstr.) **(Rus)**

[Effect of electrostimulation on the blood circulation in the area of a mandibular fracture] Salenkov VG. **Stomatologiia (Mosk)** 1987 Mar–Apr;66(2):31–4 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of dextrans, heparin and hyperbaric oxygen on mandibular tissue damage after osteotomy in an experimental system. Nilsson LP, et al. **Int J Oral Maxillofac Surg** 1987 Feb;16(1):77–89

EMBRYOLOGY

Cholinergic traits in rat mandibular processes observed by electron microscopy. Tsuzuki H, et al. **Anat Embryol (Berl)** 1987;176(3):303–11

Development of the mandibular skeleton in the embryonic chick as evaluated using the DNA-inhibiting agent 5-fluoro-2'-deoxyuridine. Hall BK. **J Craniofac Genet Dev Biol** 1987;7(2):145–59

Chondroid bone arises from mesenchymal stem cells in organ culture of mandibular condyles. Silbermann M, et al. **J Craniofac Genet Dev Biol** 1987;7(1):59–79

GROWTH & DEVELOPMENT

Displacement of the glenoid fossa: a cephalometric evaluation of growth during treatment. Agronin KJ, et al. **Am J Orthod Dentofacial Orthop** 1987 Jan;91(1):42–8

The effects of mandibular retractive force on the growing rat mandible. Asano T. **Am J Orthod Dentofacial Orthop** 1986 Dec;90(6):464–74

Assessment of a method for the prediction of mandibular rotation. Lee RS, et al. **Am J Orthod Dentofacial Orthop** 1987 May;91(5):395–402

Long-term mandibular adaptations to protrusive function: an experimental study in Macaca mulatta. McNamara JA Jr, et al. **Am J Orthod Dentofacial Orthop** 1987 Aug; 92(2):98–108

Effects of chincap force on the timing and amount of mandibular growth associated with anterior reversed occlusion (Class III malocclusion) during puberty. Mitani H, et al. **Am J Orthod Dentofacial Orthop** 1986 Dec; 90(6):454–63

Sexual dimorphism in mandibular growth of French-Canadian children 6 to 10 years of age. Buschang PH, et al. **Am J Phys Anthropol** 1986 Sep;71(1):33–7

Rotational growth and incisor compensation. Perera PS. **Angle Orthod** 1987 Jan;57(1):39–49

Retrusion of the mandibular dentition. Valinoti JR. **Angle Orthod** 1986 Oct;56(4):269–93

A case report of superimposition on cranial base. McDonald F. **Br J Orthod** 1987 Apr;14(2):115–20

Factors affecting long-term results in hemifacial microsomia. Vargervik K, et al. **Cleft Palate J** 1986 Dec;23 Suppl 1:53–68

Treatment of mandibular asymmetries during growth. A longitudinal study. Mongini F, et al. **Eur J Orthod** 1987 Feb;9(1):51–67

Longitudinal roentgencephalometric study of the growth of the New Zealand white rabbit: cumulative and biweekly incremental growth rates for skull and mandible. Masoud I, et al. **J Craniofac Genet Dev Biol** 1986;6(3):259–87

Mandibular growth retardation in growing rats chronically exposed to hypobaria. Bozzini CE, et al. **J Dent Res** 1987 Jan;66(1):65–6

Mandibular growth and histologic changes in condylar cartilage of rats intoxicated with vitamin D3 or 1,25(OH)2D3 and pair-fed (undernourished) rats. Weinreb M Jr, et al. **J Dent Res** 1986 Dec;65(12):1449–52

Mandibular growth following Le Fort I osteotomy in adolescent monkeys. Nanda R, et al. **J Oral Maxillofac Surg** 1987 Jun;45(6):500–9

Surgical control of mandibular growth: test of a recent biomechanical hypothesis. Killiany DM, et al. **Oral Surg Oral Med Oral Pathol** 1986 Nov;62(5):500–4

Balanced facial growth: a schematic interpretation. Precious D, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jun; 63(6):637–44 (19 ref.)

Maternal low-carbohydrate high-protein diet affects mandibular growth in diabetic newborn rats. Berry LR, et al. **Proc Soc Exp Biol Med** 1987 Jun;185(2):141–6

Reactions of the condylar tissues to attempts to increase mandibular growth. Kantomaa T. **Scand J Dent Res** 1987 Aug;95(4):335–9

[Mandibular angle and orthodontic treatment. Apropos of the possible therapeutic inversion of the direction of rotation of mandibular growth] Fellus P, et al. **Rev Stomatol Chir Maxillofac** 1986;87(3):138–41 (Eng. Abstr.) **(Fre)**

[Is the bionator an orthopedic and/or an orthodontic apparatus? An experimental and clinical study] Stutzmann J, et al. **Fortschr Kieferorthop** 1986 Aug;47(4):254–80 (Eng. Abstr.) **(Ger)**

[Effect of traumatic occlusion on craniofacial growth. 2. Changes in the mandible] Fanghänel J, et al. **Zahn Mund Kieferheilkd** 1986;74(5):464–71 (Eng. Abstr.) **(Ger)**

INNERVATION

Changes in phrenic, mylohyoid, and hypoglossal nerve activities that follow intravenous infusions of aminophylline. St. John WM, et al. **Exp Neurol** 1987 May; 96(2):279–88

The role of the mylohyoid nerve in mandibular tooth innervation. Heasman PA, et al. **J Dent** 1986 Apr;14(2):80–1

Nerve sharing by an interpositional sural nerve graft between the great auricular and inferior alveolar nerve to restore lower lip sensation. LaBanc JP, et al. **J Oral Maxillofac Surg** 1987 Jul;45(7):621–7

[Effect of innervation disorders on the activity of bone alkaline and acid phosphatases in mandibular regeneration after a fracture] Petrovich IuA, et al. **Stomatologiia (Mosk)** 1987 May–Jun;66(3):9–11 (Eng. Abstr.) **(Rus)**

METABOLISM

Concentration of metronidazole in rat serum and mandible. Stavrou EJ, et al. **Br J Oral Maxillofac Surg** 1987 Feb; 25(1):45–8

PATHOLOGY

Massive osteolysis of the mandible. Takeda Y, et al. **Acta Pathol Jpn** 1987 Apr;37(4):677–84

Limitation of mandibular opening due to enlarged coronoid processes. Macleod AW. **Aust Dent J** 1987 Apr;32(2):120–5

The mandibular staple bone plate: a 5 1/2-year follow-up. Walker C, et al. **J Am Dent Assoc** 1987 Feb;114(2):189–92

Biocompatibility of a resilient resin—a histological study in rats. de Carvalho AC, et al. **J Nihon Univ Sch Dent** 1987 Mar;29(1):42–7

Autogenous bone grafts for atrophic edentulous mandibles: a final report. Curtis TA, et al. **J Prosthet Dent** 1987 Jan; 57(1):73–8

A histologic evaluation of a mandibular cross section one year after augmentation with hydroxyapatite particles. Donath K, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jun;63(6):651–5

Mandibular coronoid process locking: a prospective study of frequency and association with internal derangement of the temporomandibular joint. Isberg A, et al. **Oral Surg Oral Med Oral Pathol** 1987 Mar;63(3):275–9

Auditory tube function and audiogram changes following corrective orthognathic maxillary and mandibular surgery in cleft and non-cleft patients. Barker GR. **Scand J Plast Reconstr Surg Hand Surg** 1987;21(1):133–8

Multiple cemental lesions in the jaw bones of a patient with Gardner's syndrome. Takeda Y. **Virchows Arch [A]** 1987; 411(3):253–6

[A peculiar form of osteodysplasia: cherubism. Apropos of 3 cases with histoenzymologic and ultrastructural studies] Chomette G, et al. **Arch Anat Cytol Pathol** 1987;35(2):69–75 (Eng. Abstr.) **(Fre)**

[Mandibular augmentation using laminated split ribs and pedicled alveolar ridge cover and simultaneous lingual and vestibular submucosal sulcoplasty. A combination method of ridge augmentation for the extremely atrophic mandible] Farmand M. **Schweiz Monatsschr Zahnmed** 1986 Oct; 96(10):1091–101 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

A comparison of habitual jaw movements and articulator function. McMillan DR, et al. **Acta Odontol Scand** 1986 Oct;44(5):291–9

Loading patterns and jaw movements during mastication in Macaca fascicularis: a bone-strain, electromyographic, and cineradiographic analysis. Hylander WL, et al. **Am J Phys Anthropol** 1987 Mar;72(3):287–314

Nonlever action of the mandible. Taylor RM. **Am J Phys Anthropol** 1986 Aug;70(4):417–21

Some aspects of mandibular movement: acceleration and horizontal distortion. Grant AA. **Ann Acad Med Singapore** 1986 Jul;15(3):305–10

GMDH correction modeling of distorted signals recorded by mandibular kinesiograph. Nagata M, et al. **IEEE Trans Biomed Eng** 1986 Dec;33(12):1213–21

The effect of sectioning the trigeminal sensory root on the periodontally-induced jaw-opening reflex. Collier TG, et al. **J Dent Res** 1987 Oct;66(10):1533–7

Mouth opening after release of maxillomandibular fixation in fracture patients. de Amaratunga NA. **J Oral Maxillofac Surg** 1987 May;45(5):383–5

Recovery of oral opening following sagittal ramus osteotomy for mandibular prognathism. Stacy GC. **J Oral Maxillofac Surg** 1987 Jun;45(6):487–92

Extensive osteoradionecrosis of the mandible associated with new bone formation. Yamashiro M, et al. **J Oral Maxillofac Surg** 1987 Jul;45(7):630–3

Changes in masticatory movement parameters within the chewing period in young dentate persons and patients rehabilitated with bridges supported by implants in the mandible. Jemt T. **J Oral Rehabil** 1986 Sep;13(5):487–95

Masticatory muscle activity as a function of parafunctional, active and passive oral behavioural patterns. Moss RA, et al. **J Oral Rehabil** 1987 Jul;14(4):361–70

Differences between sexes in maximum jaw opening when corrected to body size. Pullinger AG, et al. **J Oral Rehabil** 1987 May;14(3):291–9

Lateral and anterior-posterior mandibular position discrimination by normal subjects. Williams WN, et al. **J Oral Rehabil** 1987 May;14(3):301–8

Longitudinal variation of maximal mandibular mobility: an intraindividual study. Agerberg G. **J Prosthet Dent** 1987 Sep;58(3):370–3

An in vitro study of an electronic pantograph. Anderson GC, et al. **J Prosthet Dent** 1987 May;57(5):577–80

A comparison of articulator settings to age and sex. Beard CC, et al. **J Prosthet Dent** 1986 Nov;56(5):551–4

The influence of anterior coupling on mandibular movement. Brose MO, et al. **J Prosthet Dent** 1987 Mar;57(3):345–53

Effect of clutch surface changes on the computerized pantographic reproducibility index and the Fischer angle. Dupas PH, et al. **J Prosthet Dent** 1987 May;57(5):625–30

The influence of anterior coupling on mandibular movement [letter] LeBon SS. **J Prosthet Dent** 1987 Sep;58(3):395

Acupuncture compared with stomatognathic treatment for TMJ dysfunction. Part III: Effect of treatment on mobility. Raustia AM, et al. **J Prosthet Dent** 1986 Nov;56(5):616–23

Variation of hinge interocclusal clearance and modifying mechanisms. Tsao DH. **J Prosthet Dent** 1986 Nov; 56(5):606–16

Improving oral functioning in a congenital spinal atrophy patient by occlusal rehabilitation. Bernstein I, et al. **NY State Dent J** 1987 Jan;53(1):24–6

Mandibular range of motion with rigid/nonrigid fixation. Aragon SB, et al. **Oral Surg Oral Med Oral Pathol** 1987 Apr;63(4):408–11

Findings of mandibular movement and the position of the mandibular condyles during maximal mouth opening. Obwegeser HL, et al. **Oral Surg Oral Med Oral Pathol** 1987 May;63(5):517–25

The effects of practice and visual feedback on mandibular border movements. Wang JS, et al. **Proc Natl Sci Counc Repub China [B]** 1987 Jan;11(1):40–4

[Sequence of experimental remodeling of the mandibular periosteum in the rat] Klapisz-Wolikow M, et al. **J Biol Buccale** 1986 Dec;14(4):263–71 (Eng. Abstr.) **(Fre)**

[Paraocclusal axiography: the protrusion pathway in subjects with complete dentition—a clinico-experimental study] Utz KH, et al. **Schweiz Monatsschr Zahnmed** 1987;97(4):438–48 (Eng. Abstr.) **(Ger)**

[The sites inducing the lateral sliding motion of the mandible and masticatory actions] Ai M, et al. **Kokubyo Gakkai Zasshi** 1986 Jun;53(2):584 **(Jpn)**

[An apparatus measuring jaw movement in children] Iijima H. **Kokubyo Gakkai Zasshi** 1986 Jun;53(2):587 **(Jpn)**

[The placental allograft—a stimulant of mandibular bone regeneration] Mingazov GG, et al. **Stomatologiia (Mosk)** 1987 May-Jun;66(3):48–51 (Eng. Abstr.) **(Rus)**

[Nature of the distribution of functional stresses in the mandible based on electrical strain-gauge measurement data] Semennikov VI, et al. **Stomatologiia (Mosk)** 1987 Mar-Apr;66(2):15–7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Signs and symptoms of mandibular dysfunction in patients with suspected oral galvanism. Agerberg G. **Acta Odontol Scand** 1987 Feb;45(1):41–8

Impaired mandibular function and its possible effect on mandibular growth in juvenile rheumatoid arthritis. Stabrun AE, et al. **Eur J Orthod** 1987 Feb;9(1):43–50

Quantitative triple fluorochrome labeling study of lathyritic-rat mandible. Soni NN, et al. **Growth** 1986 Winter;50(4):537–46

The craniomandibular index: validity. Fricton JR, et al. **J Prosthet Dent** 1987 Aug;58(2):222–8

Craniomandibular disorders in adolescents. A longitudinal study in an urban Swedish population. Wänman A. **Swed Dent J [Suppl]** 1987;44:1–61

[Pathogenesis of Marcus Gunn palpebro-mandibular synkinesis] Akimov GA, et al. **Zh Nevropatol Psikhiatr** 1987;87(3):350–2 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Effect of irradiation on early enzymatic changes in healing mandibular periosteum and bone. A histochemical study on rats. Aitasalo K. **Acta Radiol [Oncol]** 1986 May-Jun; 25(3):207–12

Free and microvascular bone grafting in the irradiated dog mandible. Altobelli DE, et al. **J Oral Maxillofac Surg** 1987 Jan;45(1):27–33

Osteoradionecrosis: clinical experience and a proposal for classification. Epstein JB, et al. **J Oral Maxillofac Surg** 1987 Feb;45(2):104–10

Effects of pre- and postoperative irradiation on the healing of bone grafts in the rabbit. Morales MJ, et al. **J Oral Maxillofac Surg** 1987 Jan;45(1):34–41

RADIOGRAPHY

Metallic objects seen in radiographs of the maxilla and mandible. Flaxman NA, et al. **Am Fam Physician** 1987 Apr; 35(4):197–203

Spontaneous regression of some mandibular radiolucencies—case report. Aird JC, et al. **Br J Orthod** 1986 Oct;13(4):247–9

Stability of the osteotomy site after oblique sliding osteotomy of the mandibular rami. A stereometric and plain radiographic study. Rosenquist B, et al. **J Craniomaxillofac Surg** 1987 Feb;15(1):14–9

Quantitative measurement of periodontal bone changes by digital subtraction. Vos MH, et al. **J Periodont Res** 1986 Nov;21(6):583–91

Maxillomandibular versus hands roentgenographs in the evaluation of renal osteodystrophy [letter] Innocenti M, et al. **Nephron** 1987;46(2):208–9

Radiolucent transient surgical space. Bass BD. **Oral Surg Oral Med Oral Pathol** 1987 May;63(5):634

Relationship between the apices of the lower molars and mandibular canal—a radiographic study. Littner MM, et al. **Oral Surg Oral Med Oral Pathol** 1986 Nov; 62(5):595–602

[Radiographic study of the mandibular canal in dry bone material] Tamás F. **Fogorv Sz** 1986 Oct;79(10):304–8 **(Hun)**

[Role of computerized tomography in dental implantology] Villari N, et al. **Radiol Med (Torino)** 1986 Sep;72(9):637–9 (Eng. Abstr.) **(Ita)**

[Advances in radiologic examination after surgical reconstruction of the mandible using bone transplants] Mlosek K, et al. **Pol Przegl Radiol (Warszawa)** 1986 May-Jun;50(3):137–41 (Eng. Abstr.) **(Pol)**

[Clinical x-ray characteristics of graft survival in various receptive beds in an experiment] Sagatbaev DS. **Stomatologiia (Mosk)** 1986 Sep-Oct;65(5):6–7 (Eng. Abstr.) **(Rus)**

SURGERY

Surgical correction of mandibular prognathism in Norway, 1975–1984. A national survey. Tornes K, et al. **Acta Odontol Scand** 1987 Apr;45(2):87–94

Geographical distribution, preoperative orthodontics, and morbidity of Norwegian patients surgically treated for mandibular prognathism. Tornes K, et al. **Acta Odontol Scand** 1987 Apr;45(2):95–100

Periodontal status of mandibular incisors following excessive proclination. A study in adults with surgically treated mandibular prognathism. Artun J, et al. **Am J Orthod Dentofacial Orthop** 1987 Mar;91(3):225–32

Adaptation of the suprahyoid muscle complex to mandibular advancement surgery. Carlson DS, et al. **Am J Orthod Dentofacial Orthop** 1987 Aug;92(2):134–43

Lateral pterygoid muscle activity in mandibular retrognathism and response to mandibular advancement surgery. Harper RP, et al. **Am J Orthod Dentofacial Orthop** 1987 Jan;91(1):70–6

The role of sternum in osteomyocutaneous reconstruction of major mandibular defects. Robertson GA. **Am J Surg** 1986 Oct;152(4):367–70

Wound infection after mandibular reconstruction with autogenous graft. Egyedi P. **Ann Acad Med Singapore** 1986 Jul;15(3):340–5

Reconstruction of the mandible with autogenous bone following treatment for squamous carcinoma. O'Brien CJ, et al. **Aust NZ J Surg** 1986 Sep;56(9):707–15

Mandibular reconstruction using split autogenous bone grafts. Frame JW, et al. **Br J Oral Maxillofac Surg** 1987 Feb; 25(1):1–8

Mandibular reconstruction by myo-osseous (temporalis muscle/outer table of skull) flap. Kumar P, et al. **Br J Oral Maxillofac Surg** 1987 Feb;25(1):9–14

Reconstruction of the mandible using the scapular spine pedicled upon trapezius muscle; description of the posterior approach to the transverse cervical vessels. Bem C, et al. **Br J Plast Surg** 1986 Oct;39(4):473–7

Reconstruction of the middle third of mandible. Frame JD, et al. **Br J Plast Surg** 1987 May;40(3):274–7

The versatility of median labiomandibulotomy. Lawson W. **Bull NY Acad Med** 1986 Oct;62(8):841–6

Correction of hemifacial microsomia in the growing child: a follow-up study. Kaban LB, et al. **Cleft Palate J** 1986 Dec;23 Suppl 1:50–2

Mandibular reconstruction. Gluckman JL. **Ear Nose Throat J** 1986 Nov;65(11):522–7

Bone grafts in orthognathic and craniofacial surgery. Verdi GD, et al. **Ear Nose Throat J** 1986 Nov;65(11):506–11

Hemimandibulectomy without bone grafting: report of a case. Lambert PM, et al. **Head Neck Surg** 1986 May-Jun; 8(5):375–8

Long-term results of augmentation of the atrophic mandible. Fazili M, et al. **Int J Oral Maxillofac Surg** 1986 Oct; 15(5):513–20

Condylar position following ramus osteotomy and functional osteosynthesis. A clinical function-analytic and computer tomographic study. Spitzer WJ, et al. **Int J Oral Maxillofac Surg** 1987 Jun;16(3):257–61

Partial mandibulectomy for treatment of mandibular fractures in dogs: eight cases (1981–1984). Lantz GC, et al. **J Am Vet Med Assoc** 1987 Jul 15;191(2):243–5

Results after mandibular ridge augmentation with laminated split ribs, pedicled anterior bone lid and simultaneous sulcoplasties. Preliminary report. Farmand M, et al. **J Craniomaxillofac Surg** 1987 Jun;15(3):141–53

Sagittal sliding osteotomy of the alveolar process of the mandible. A modification of Hofer's osteotomy. Freihofer HP. **J Craniomaxillofac Surg** 1987 Jun;15(3):125–6

A new material (single crystal sapphire screw) for internal fixation of the mandibular ramus. Iizuka T, et al. **J Craniomaxillofac Surg** 1987 Feb;15(1):24–7

Skeletal open bite correction by combined Le Fort I osteotomy and bilateral sagittal split of the mandibular ramus. Lello GE. **J Craniomaxillofac Surg** 1987 Jun; 15(3):132–6

A cephalometric analysis of the long-term, soft tissue profile changes which accompany the advancement of the mandible by sagittal split ramus osteotomies. Mommaerts MY, et al. **J Craniomaxillofac Surg** 1987 Jun;15(3):127–31

The overlapping bone flap genioplasty. Tulasne JF. **J Craniomaxillofac Surg** 1987 Aug;15(4):214–21

Shortening and lengthening the chin. Wolfe SA. **J Craniomaxillofac Surg** 1987 Aug;15(4):223–30

Changes of serum alkaline phosphatase following mandibular osteotomy in the rat. Nilsson LP, et al. **J Dent Res** 1987 Jun;66(6):1195–8

Marginal mandibulectomy for malignant disease: indications, rationale, and results. Randall CJ, et al. **J Laryngol Otol** 1987 Jul;101(7):676–84

Mandibular ridge augmentation by visor osteotomy combined with a subperiosteal rib graft. Freihofer HP, et al. **J Maxillofac Surg** 1986 Dec;14(6):301–7

Sagittal ramus osteotomy with tandem screw fixation. Technique and results. Lindorf HH. **J Maxillofac Surg** 1986 Dec;14(6):311–6

Displacement of the mandible after removal of the intermaxillary fixation following oblique sliding osteotomy. Rosenquist B, et al. **J Maxillofac Surg** 1986 Oct;14(5):251–9

Mandibular augmentation in dogs with hydroxylapatite combined with demineralized bone. Block MS, et al. **J Oral Maxillofac Surg** 1987 May;45(5):414–20

Recognition of profile change after simulated orthognathic surgery. Burcal RG, et al. **J Oral Maxillofac Surg** 1987 Aug;45(8):666–70

False aneurysm complicating orthognathic surgery. Clark R, et al. **J Oral Maxillofac Surg** 1987 Jan;45(1):57–9

Occlusal force after mandibular advancement in adult rhesus monkeys. Dechow PC, et al. **J Oral Maxillofac Surg** 1986 Nov;44(11):887–93

False ankylosis from fusion of the styloid process to the mandible after orthognathic surgery. Guttu RL, et al. **J Oral Maxillofac Surg** 1987 Sep;45(9):807–11

Further refinement and evaluation of intraoral vertical ramus osteotomy. Hall HD, et al. **J Oral Maxillofac Surg** 1987 Aug;45(8):684–8

A simple means of maintaining the condyle-fossa relationship. Heffez L, et al. **J Oral Maxillofac Surg** 1987 Mar;45(3):288–90

Restoration of bone discontinuities in dogs using a biodegradable implant. Hollinger JO, et al. **J Oral Maxillofac Surg** 1987 Jul;45(7):594–600

Porous hydroxylapatite as a bone graft substitute in mandibular contour augmentation: a histometric study. Holmes RE, et al. **J Oral Maxillofac Surg** 1987 May; 45(5):421–9

Transposition of the mental nerve in orthognathic surgery. Kahnberg KE, et al. **J Oral Maxillofac Surg** 1987 Apr; 45(4):315–8

Skeletal stability following mandibular advancement and rigid fixation. Kirkpatrick TB, et al. **J Oral Maxillofac Surg** 1987 Jul;45(7):572–6

Intraoral reconstruction of mandibular defects after tumor resection. Lello GE. **J Oral Maxillofac Surg** 1986 Nov; 44(11):864–70

Stability of the mandible after advancement and use of dental plus skeletal maxillomandibular fixation: an experimental investigation in Macaca mulatta. Mayo KH, et al. **J Oral Maxillofac Surg** 1987 Mar;45(3):243–50

Evaluation of collagen/hydroxylapatite for augmenting deficient alveolar ridges: a preliminary report. Mehlisch DR, et al. **J Oral Maxillofac Surg** 1987 May;45(5):408–13

Soft tissue profile changes associated with orthognathic surgery for bimaxillary protrusion. Nadkarni PG. **J Oral Maxillofac Surg** 1986 Nov;44(11):851–4

Secondary reconstruction of the mandible with an aluminum oxide prosthesis. Nagamine T, et al. **J Oral Maxillofac Surg** 1987 Feb;45(2):173–6

Neurosensory disturbance with rigid fixation of the bilateral sagittal split osteotomy. Nishioka GJ, et al.

J Oral Maxillofac Surg 1987 Jan;45(1):20–6

Postoperative infection following suprahyoid myotomy performed in conjunction with sagittal osteotomy of the mandible: report of a case. Papageorge MB, et al. **J Oral Maxillofac Surg** 1987 May;45(5):460–2

Obstructive sleep apnea syndrome following surgery for mandibular prognathism. Riley RW, et al. **J Oral Maxillofac Surg** 1987 May;45(5):450–2

Osteogenesis in replamineform hydroxylapatite porous (RHAP) ceramic implants used for human mandibular ridge augmentation: report of two cases. Tio FO, et al. **J Oral Maxillofac Surg** 1987 Feb;45(2):188–94

Evaluation of the regenerative capacity of the inferior alveolar nerve following surgical trauma. Upton LG, et al. **J Oral Maxillofac Surg** 1987 Mar;45(3):212–6

Equipment failure during mandibular staple bone plate insertion and a technique to resolve it. Zallen RD, et al. **J Oral Maxillofac Surg** 1987 Apr;45(4):371

Adenocarcinoma of the tongue complicated by a hemimandibulectomy: soft tissue support for a tongue prosthesis in an edentulous glossectomy patient. Ballard JL, et al. **J Prosthet Dent** 1986 Oct;56(4):470–3

Bilateral functional mandibular reconstruction using the iliac crest free flap. A case report. Paletz JL, et al. **J Reconstr Microsurg** 1987 Apr;3(3):175–9, 181–2

Latissimus dorsi myocutaneous–iliac bone flag for reconstruction of massive defects of mandible and oral basis [letter] Weymuller EA Jr. **Laryngoscope** 1986 Nov; 96(11):1301–2

Management of large oral tumours by mandibular swing and myocutaneous flap. Sacré R, et al. **Neth J Surg** 1987 Apr; 39(2):46–50

The mandibular staple bone plate. Levy I. **NY State Dent J** 1986 Aug–Sep;52(7):22–4

Control of the condylar–proximal mandibular segments after sagittal split osteotomies to advance the mandible. Epker BN, et al. **Oral Surg Oral Med Oral Pathol** 1986 Dec; 62(6):613–7

Unilateral facial palsy following bilateral intraoral coronoidectomies. Rubin MM, et al. **Oral Surg Oral Med Oral Pathol** 1987 Aug;64(2):156–8

Modification of the mandibular ramus sagittal split osteotomy. Wolford LM, et al. **Oral Surg Oral Med Oral Pathol** 1987 Aug;64(2):146–55

The use of miniplates in craniomaxillofacial surgery. Beals SP, et al. **Plast Reconstr Surg** 1987 Jan;79(1):33–8

Reconstruction of mandibular and floor of mouth defects using the trapezius osteomyocutaneous flap. Dufresne C, et al. **Plast Reconstr Surg** 1987 May;79(5):687–96

A simple instrument for achieving accurate alignment and pre–insertion stability with mandibular bone plates. Schmitz JP, et al. **Plast Reconstr Surg** 1986 Dec;78(6):822–3

Sliding genioplasty as a local anesthetic outpatient procedure: a prospective two–center trial. Spear SL, et al. **Plast Reconstr Surg** 1987 Jul;80(1):55–67

[Clinical uses of coronoid process transplantation in the temporomandibular arthroplasty] He ZQ. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1987 Jan; 22(1):35–7, 63 (Eng. Abstr.) **(Chi)**

[Changes after anterior mandibular subapical osteotomy] Zhang XE. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1987 Jan;22(1):23–6 **(Chi)**

[The "internal interarch stent" for reconstruction of large mandibular defects] Zhou JL. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1987 Jan; 22(1):33–4, 63 (Eng. Abstr.) **(Chi)**

[Free transfer of the ilium with anastomosis of gluteus sup. Vessels in reconstruction of mandible defects] Feng LS. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jul;21(4):217–8, 253 (Eng. Abstr.) **(Chi)**

[Use of the mandible itself for the restoration of large defects of the mandible] Hong M. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 May;21(3):140–1, 190 (Eng. Abstr.) **(Chi)**

[Use of half–split clavicle bone with a sternomastoid muscle flap in the reconstruction of mandibular defects] Li XG. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Mar;21(2):105–6, 128 (Eng. Abstr.) **(Chi)**

[Sagittal splitting of the ascending mandibular ramus. Prevention of injury to the lower dental pedicle] Duguet V, et al. **Rev Stomatol Chir Maxillofac** 1987;88(1):71–6 (Eng. Abstr.) **(Fre)**

[A double–splint procedure in preparation for simultaneous surgical correction of the position of the maxilla and mandible] Somiri ST. **Fortschr Kieferorthop** 1987 Feb; 48(1):59–65 (Eng. Abstr.) **(Ger)**

[Vascular pedicled iliac crest transplant and its use in the jaw] Schmelzle R. **Handchir Mikrochir Plast Chir** 1986 Nov;18(6):376–8 (Eng. Abstr.) **(Ger)**

[Our experience with sagittal splitting of the mandible after Gattinger's technic for the correction of dysgnathia] Grimm G, et al. **Zahn Mund Kieferheilkd** 1987;75(2):132–6 (Eng. Abstr.) **(Ger)**

[Critical comments on the article, "Mandible substitution by bone transplantation and a microvascular method" (letter)] **Orv Hetil** 1987 Jul 19;128(29):1544–6 **(Hun)**

[Experimental study on porous hydroxyapatite ceramics for onlay implantation—experiment on onlay implantation in the mandible] Matsumoto M. **Kokubyo Gakkai Zasshi** 1986 Jun;53(2):406–52 (Eng. Abstr.) **(Jpn)**

[Reconstruction of the mandible using vascularized transplants. A new method in Norway] Olstad OA, et al. **Tidsskr Nor Laegeforen** 1986 Oct 30;106(30):2511–4, 2528 (Eng. Abstr.) **(Nor)**

[Use of the intraoral bone suture in mandibular fractures] Kruchinskil GV, et al. **Stomatologiia (Mosk)** 1987 Jan–Feb; 66(1):48–9 (Eng. Abstr.) **(Rus)**

[The strength of the fixation of wood screws in the bony tissue of the mandible in an experiment] Lazarovich LV, et al. **Stomatologiia (Mosk)** 1987 Mar–Apr;66(2):34–6 (Eng. Abstr.) **(Rus)**

[Surgical treatment of the bone wound in open mandibular fractures] Luk'ianenko VT, et al. **Stomatologiia (Mosk)** 1987 Jan–Feb;66(1):49–51 (Eng. Abstr.) **(Rus)**

[Laser coagulation of the mandible in removing adjacent malignant neoplasms] Sidorov SD. **Stomatologiia (Mosk)** 1987 Mar–Apr;66(2):41–2 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Electron microscopic study of chondroid tissue in the cat mandible. Goret–Nicaise M, et al. **Calcif Tissue Int** 1987 Apr;40(4):219–23

MANDIBULAR CONDYLE

Osteoblastoma of the mandibular condyle: review of the literature and report of a case. Weinberg S, et al. **J Oral Maxillofac Surg** 1987 Apr;45(4):350–5

[Osteoma of the mandibular condyle] Pomatto E, et al. **Minerva Stomatol** 1987 Mar;36(3):161–4 (Eng. Abstr.) **(Ita)**

ABNORMALITIES

Supplemental mandibular condyle. Quayle AA, et al. **Br J Oral Maxillofac Surg** 1986 Oct;24(5):349–56

The double–headed mandibular condyle. Gundlach KK, et al. **Oral Surg Oral Med Oral Pathol** 1987 Aug;64(2):249–53

ANATOMY & HISTOLOGY

Quantitative method for the classification of human mandibular condyles. Anagnostopoulou S, et al. **Acta Anat (Basel)** 1986;127(3):201–4

Effects of mechanical loads on surface morphology of the condylar cartilage of the mandible in rats. Bouvier M, et al. **Acta Anat (Basel)** 1987;129(4):293–300

Structure and growth activities of the mandibular condyle in monkeys (Macaca fascicularis): II. Synergistic behavior of cell dynamics and metabolism. Luder HU. **Am J Anat** 1987 Feb;178(2):185–92

Relationship of mandibular condylar position to dental occlusion factors in an asymptomatic population. Pullinger AG, et al. **Am J Orthod Dentofacial Orthop** 1987 Mar; 91(3):200–6

Relationship between the mandibular condyle and the occlusal plane during hominid evolution: some of its effects on jaw mechanics. Osborn JW. **Am J Phys Anthropol** 1987 Jun;73(2):193–207

Mandibular growth and histologic changes in condylar cartilage of rats intoxicated with vitamin D3 or 1,25(OH)2D3 and pair–fed (undernourished) rats. Weinreb M Jr, et al. **J Dent Res** 1986 Dec;65(12):1449–52

A simple means of maintaining the condyle–fossa relationship. Heffez L, et al. **J Oral Maxillofac Surg** 1987 Mar;45(3):288–90

The measurement and development of anterior guidance. Kohno S, et al. **J Prosthet Dent** 1987 May;57(5):620–5

A comparison of various angles of the mandible with the condylar long axis. Laurell KA, et al. **J Prosthet Dent** 1987 Mar;57(3):369–74

Findings of mandibular movement and the position of the mandibular condyles during maximal mouth opening. Obwegeser HL, et al. **Oral Surg Oral Med Oral Pathol** 1987 May;63(5):517–25

Variation in condyle–fossa relationships according to different methods of evaluation in tomograms. Pullinger A, et al. **Oral Surg Oral Med Oral Pathol** 1986 Dec; 62(6):719–27

[Anatomo–clinical considerations of the architecture of the bone trajectories of the mandibular condyle in man] Pastremoli A, et al. **Boll Soc Ital Biol Sper** 1987 Feb 28; 63(2):97–103 (Eng. Abstr.) **(Ita)**

CYTOLOGY

New aspects of the histology of the mandibular condyle in the rat. Kantomaa T. **Acta Anat (Basel)** 1986;126(4):218–22

[Observations on the structural features of the chondrocytes in the hypertrophic zone] Shibata S. **Kokubyo Gakkai Zasshi** 1986 Jun;53(2):536–63 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Study of histomorphometric changes of the mandibular condyles in neonatal and juvenile rats after administration of cyclophosphamide. Wang TM, et al. **Acta Anat (Basel)** 1986;127(2):93–9

EMBRYOLOGY

The effect of prenatally increased oxygen tension on the development of the mandibular condyle. Kantomaa T. **Acta Odontol Scand** 1986 Oct;44(5):301–5

Critical periods in the prenatal morphogenesis of the human lateral pterygoid muscle, the mandibular condyle, the articular disk, and medial articular capsule. Van der Linden EJ, et al. **Am J Orthod Dentofacial Orthop** 1987 Jan; 91(1):22–8

The in vitro behavior of fetal condylar cartilage in serum–free hormone–supplemented medium. Silbermann M, et al. **Bone** 1987;8(2):117–26

GROWTH & DEVELOPMENT

The effect of increased oxygen tension on the growth of the mandibular condyle. Kantomaa T. **Acta Odontol Scand** 1986 Oct;44(5):307–12

The effect of treatment with functional appliance on a pathologic growth pattern of the condyle. Melsen B, et al. **Am J Orthod Dentofacial Orthop** 1986 Dec;90(6):503–12

Unilateral section of the lateral pterygoid muscle in the growing rat does not alter condylar growth. Awn M, et al. **Eur J Orthod** 1987 May;9(2):122–8

An exploratory study of the mandibular condyle in the rat following changes in articular function. Kotyla JR. **Eur J Orthod** 1986 Nov;8(4):265–70

The effect of articular function on the mandibular condyle of the rat. McDonald F. **Eur J Orthod** 1987 May;9(2):87–96

Reactions of the condylar tissues to attempts to increase mandibular growth. Kantomaa T. **Scand J Dent Res** 1987 Aug;95(4):335–9

INJURIES

Open treatment of condylar fractures with biphase technique. Fernandez JA, et al. **Arch Otolaryngol Head Neck Surg** 1987 Mar;113(3):262–6

Traumatically induced bifid mandibular condyle: a report of two cases. Thomason JM, et al. **Br Dent J** 1986 Oct 25;161(8):291–3

An experimental study on intermaxillary fixation in the healing process of fracture of the condylar process of the mandible. Shimahara M, et al. **Bull Osaka Med Sch** 1985 Jul;31(1):42–55

Remodeling of bilateral condylar fractures in a child. Miller RI, et al. **J Oral Maxillofac Surg** 1986 Dec;44(12):1008–10

Are you overlooking fractures of the mandibular condyle? Myall RW, et al. **Pediatrics** 1987 Apr;79(4):639–41

[Ankylosis of the temporomandibular joint: a serious complication of condylar fractures] Iannetti G, et al. **Minerva Stomatol** 1987 May;36(5):409–16 (Eng. Abstr.) **(Ita)**

[Therapy of condylar fractures with dislocation in young people] Lattaro R, et al. **Minerva Stomatol** 1987 Jun; 36(6):489–95 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Open bite [letter] Moloney F. **Aust Dent J** 1987 Apr; 32(2):141–2

Benign chondroblastoma involving the mandibular condyle. Payne M, et al. **Br J Oral Maxillofac Surg** 1987 Jun; 25(3):250–5

Osteoma in mandibular condyle. Bessho K, et al. **Int J Oral Maxillofac Surg** 1987 Jun;16(3):372–5

Condylar position following ramus osteotomy and functional osteosynthesis. A clinical function–analytic and computer tomographic study. Spitzer WJ, et al. **Int J Oral Maxillofac Surg** 1987 Jun;16(3):257–61

Significance of condylar positions in patients with temporomandibular disorders. Bean LR, et al. **J Am Dent Assoc** 1987 Jan;114(1):76–7

[Computer–assisted quantitative bone scintigraphy in the treatment planning of condylar hyperplasia] Paulus G, et al. **Fortschr Kiefer Gesichtschir** 1987;32:180–1 **(Ger)**

[Quantitative analysis of dental wear and its correlation with the morphology and pathology of condylar wear] Tarello F, et al. **Minerva Stomatol** 1987 May;36(5):373–80 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

The influence of functional appliance therapy on glenoid fossa remodeling. Woodside DG, et al. **Am J Orthod Dentofacial Orthop** 1987 Sep;92(3):181–98

A formula to determine the lateral condylar guidance from intraoral needlepoint tracings. Eichhold WA, et al. **J Prosthet Dent** 1986 Dec;56(6):698–701

Loading on the temporomandibular joints with five occlusal conditions. Ito T, et al. **J Prosthet Dent** 1986 Oct; 56(4):478–84

Condylar retruded contact position and intercuspal position correlation in dentulous patients. Part I: Three–dimensional analysis of condylar registrations. Rosner D, et al. **J Prosthet Dent** 1986 Aug;56(2):230–9

RADIOGRAPHY

Radiographic changes in the condyle of the temporomandibular joint in psoriatic arthritis. Könönen M. **Acta Radiol** 1987 Mar–Apr;28(2):185–8

Combined cephalometric and transcranial radiography of the rat condyle. Killiany DM, et al. **Angle Orthod** 1987 Apr; 57(2):162–7

The reverse panoral radiograph. Markus AF, et al. **Br Dent J** 1987 Feb 21;162(4):145–8

Accuracy of temporomandibular joint space measurements using corrected hypocycloidal tomography. Heffez L, et al. **J Oral Maxillofac Surg** 1987 Feb;45(2):137–42

Destructive lesions of the mandibular condyle following

diskectomy with temporary silicone implant. Westesson PL, et al. **Oral Surg Oral Med Oral Pathol** 1987 Feb; 63(2):143–50

[Radiographic study of condyle position in centric occlusion in the TMJ dysfunction syndrome] Yin XM. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Nov;21(6):346–9, 384 (Eng. Abstr.) **(Chi)**

[Avascular necrosis of the mandibular condyle in systemic lupus erythematosus] Szántó D, et al. **Orv Hetil** 1986 Dec 28;127(52):3187–90 (Eng. Abstr.) **(Hun)**

[Radiographic examination of the TMJ with an oblique transcranial projection. A comparative study between 2 different technics for the preliminary identification of the long condylar axis] Ballesio F, et al. **Minerva Stomatol** 1986 Nov;35(11):1101–5 (Eng. Abstr.) **(Ita)**

SURGERY

The surgical technique of vertical subcondylar osteotomy for correction of mandibular prognathism. A 10-year survey. Tornes K, et al. **Acta Odontol Scand** 1987 Jun; 45(3):203–11

Biological reconstruction of the mandibular condyle. Poswillo DE. **Br J Oral Maxillofac Surg** 1987 Apr; 25(2):100–4 (29 ref.)

Histologic analysis of costochondral and sternoclavicular grafts in the TMJ of the juvenile monkey. Daniels S, et al. **J Oral Maxillofac Surg** 1987 Aug;45(8):675–83

Technique of functional disc repositioning in internal derangements of the temporomandibular joint. Feinberg SE, et al. **J Oral Maxillofac Surg** 1987 Sep;45(9):825–7

Control of the condylar–proximal mandibular segments after sagittal split osteotomies to advance the mandible. Epker BN, et al. **Oral Surg Oral Med Oral Pathol** 1986 Dec; 62(6):613–7

Meniscocondylar plication: a modified operation for surgical repositioning of the ectopic temporomandibular joint meniscus. Rationale and operative technique. Weinberg S, et al. **Oral Surg Oral Med Oral Pathol** 1987 Apr; 63(4):393–402

TRANSPLANTATION

[Temporomandibular joint reconstruction with coronoid process transplantation in ankylosis] Tai ZX. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1987 Mar; 22(2):94–6, 127 (Eng. Abstr.) **(Chi)**

MANDIBULAR DISEASES

Correction of mandibular prognathism in osteogenesis imperfecta tarda. A case report. Whitestone BW, et al. **Can Dent Assoc J** 1986 Oct;52(10):853–6

CLASSIFICATION

[Histopathological classification and treatment of odontogenic cysts] Kalusokoma K, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1987 Apr–Jun; 30(1–2):33–64 (65 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Mandibular relapse in acute leukemia. Report of a case. Bernstein ML, et al. **Am J Pediatr Hematol Oncol** 1986 Fall;8(3):240–4

A marked mandibular deviation caused by abscess of the pterygomandibular space. Furuichi H, et al. **Fukuoka Igaku Zasshi** 1986 Jul;77(7):373–7

Pathologic fracture of the mandible associated with simultaneous occurrence of an odontogenic keratocyst and traumatic bone cyst. Matise JL, et al. **J Oral Maxillofac Surg** 1987 Jan;45(1):69–71

DIAGNOSIS

Osteomyelitis of the mandible in children—clinical presentations and review of management. Ord RA, et al. **Br J Oral Maxillofac Surg** 1987 Jun;25(3):204–17

Bilateral mixed density lesions in the body of the mandible. Helm FR, et al. **J Am Dent Assoc** 1987 Aug;115(2):315–7

Solitary bone cyst in the anterior mandible. Akimoto Y, et al. **J Nihon Univ Sch Dent** 1986 Sep;28(3):199–202

Stafne's bone (defect) simulating dentigerous cyst of the mandible. Salman L, et al. **J Oral Med** 1986 Oct–Dec; 41(4):239–41, 273

Monostotic Paget's disease of the mandible. Shatz A, et al. **J Oral Med** 1986 Jul–Sep;41(3):164–6, 209

[Odontogenic keratocyst: a clinical case and review of the literature] Caroli A, et al. **Acta Stomatol Belg** 1986 Dec; 83(4):237–41 (10 ref.) **(Fre)**

[Diagnostic considerations apropos of a case of keratoacanthoma in a child] Toman J, et al. **Rev Stomatol Chir Maxillofac** 1986;87(4):247–50 (Eng. Abstr.) **(Fre)**

[Surgical case. 2. Primary chronic osteomyelitis of the mandible] Hardt N, et al. **Schweiz Monatsschr Zahnmed** 1987;97(3):353–4 **(Ger)**

[Diagnosis of primary chronic productive osteomyelitis of the mandible in children] Iusubov IuA. **Stomatologiia (Mosk)** 1987 Jan–Feb;66(1):70–2 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Mandibular actinomycosis treated with oral clindamycin. Badgett JT, et al. **Pediatr Infect Dis J** 1987 Feb;6(2):221–3

ETIOLOGY

Osteomyelitis of the mandible in metastatic staphylococcal infection. Brown AM, et al. **Br J Oral Maxillofac Surg** 1987 Aug;25(4):334–40

Actinomycetoma of the mandibular region causing ankylosis. Elbeshir EI, et al. **Br J Oral Maxillofac Surg** 1987 Jun; 25(3):256–60

Mandibular osteomyelitis caused by Actinomyces Israelii. Report of a case. Gupta DS, et al. **J Maxillofac Surg** 1986 Oct;14(5):291–3

False ankylosis from fusion of the styloid process to the mandible after orthognathic surgery. Guttu RL, et al. **J Oral Maxillofac Surg** 1987 Sep;45(9):807–11

A solitary bone cyst possibly caused by removal of an impacted third molar. Pogrel MA. **J Oral Maxillofac Surg** 1987 Aug;45(8):721–3

Oral complications following radiation therapy: a five-year retrospective report. Schweiger JW. **J Prosthet Dent** 1987 Jul;58(1):78–82

Osteoporosis and mandibular bone resorption: a prosthodontic perspective. Sones AD, et al. **J Prosthet Dent** 1986 Dec;56(6):732–6

Mandibular condylosis and apertognathia as presenting symptoms in progressive systemic sclerosis (scleroderma). Pattern of mandibular bony lesions and atrophy of masticatory muscles in PSS, presumably caused by affected muscular arteries. Ramon Y, et al. **Oral Surg Oral Med Oral Pathol** 1987 Mar;63(3):269–74

Hemorrhagic cyst of the mandible associated with a retained root apex of the lower third molar. Shiratsuchi Y, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jun;63(6):661–3

Mandibular osteomyelitis [letter] Fitzgerald RH Jr. **South Med J** 1987 Apr;80(4):537

[Odontogenic osteomyelitis of the jaws in children] Bernadskil IuI, et al. **Stomatologiia (Mosk)** 1986 Nov–Dec; 65(6):35–7 (Eng. Abstr.) **(Rus)**

[Mandibular spasm and malignant hyperthermia] Pérez del Palomar Chavarri R, et al. **Rev Esp Anestesiol Reanim** 1986 Nov–Dec;33(6):440–2 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Cherubism: report of three cases. Patel JR. **ASDC J Dent Child** 1987 Jul–Aug;54(4):289–90

DNA-ploidy studies in a keratocyst undergoing subsequent malignant transformation. High AS, et al. **J Oral Pathol** 1987 Mar;16(3):135–8

IMMUNOLOGY

Experimental mandibular Staphylococcus aureus osteomyelitis; antibody response and treatment with dicloxacillin. Köndell PA, et al. **Int J Oral Maxillofac Surg** 1986 Oct;15(5):620–8

METABOLISM

[The state of the microsomal oxidative system in the liver of rats with acute osteomyelitis of the mandible] Nadzhimutdinov KN, et al. **Vopr Med Khim** 1987 May–Jun; 33(3):101–4 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Massive osteolysis of the mandible. Takeda Y, et al. **Acta Pathol Jpn** 1987 Apr;37(4):677–84

Squamous cell carcinoma arising in a mandibular keratocyst in a patient with Gorlin's syndrome. Moos KF, et al. **Br J Oral Maxillofac Surg** 1987 Aug;25(4):280–4

Suppurative osteomyelitis of the mandible in a child. Gunge M, et al. **Int J Oral Maxillofac Surg** 1987 Feb;16(1):99–103

Aneurysmal bone cyst of the jaws. Review of the literature and report of 2 cases. Zachariades N, et al. **Int J Oral Maxillofac Surg** 1986 Oct;15(5):534–40

Multiple osteosclerotic masses of the jaw. Ellis GL, et al. **J Am Dent Assoc** 1987 May;114(5):678–80

Osteoradionecrosis: clinical experience and a proposal for classification. Epstein JB, et al. **J Oral Maxillofac Surg** 1987 Feb;45(2):104–10

Multiple dentigerous cysts of the maxilla and mandible: report of a case. Norris LH, et al. **J Oral Maxillofac Surg** 1987 Aug;45(8):694–7

A comparative study of the clinical and histological features of recurrent and non-recurrent odontogenic keratocysts. Woolgar JA, et al. **J Oral Pathol** 1987 Mar;16(3):124–8

Giant cell hyaline angiopathy presenting as a facial sinus in a patient with undiagnosed diabetes mellitus. Ferguson JW, et al. **NZ Dent J** 1986 Oct;82(370):149–51

Aneurysmal bone cyst of the mandible. Eisenbud L, et al. **Oral Surg Oral Med Oral Pathol** 1987 Aug;64(2):202–6

Central giant cell lesions of the mandible and maxilla: a clinicopathologic and cytometric study. Ficarra G, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jul;64(1):44–9

Traumatic bone cyst. Kaugars GE, et al. **Oral Surg Oral Med Oral Pathol** 1987 Mar;63(3):318–24

Botryoid odontogenic cyst. Kaugars GE. **Oral Surg Oral Med Oral Pathol** 1986 Nov;62(5):555–9

Aneurysmal bone cysts of the jaws: a case study and review of the literature. Toljanic JA, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jul;64(1):72–7

[Focal osteoporotic bone marrow defect of the mandible—report of a case] Kuo YS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Nov;85(11):1098–102 (Eng. Abstr.) **(Chi)**

[Epidermoid cysts and implants. Anatomo-pathologic findings] Commissionat Y, et al. **Rev Stomatol Chir Maxillofac** 1987;88(1):26–30 (Eng. Abstr.) **(Fre)**

[Solitary bone cyst. A case of dual mandibular and humeral location] Cudia G, et al. **Rev Stomatol Chir Maxillofac** 1987; 88(1):31–5 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Extensive osteoradionecrosis of the mandible associated with new bone formation. Yamashiro M, et al. **J Oral Maxillofac Surg** 1987 Jul;45(7):630–3

PREVENTION & CONTROL

Dental extractions in relation to radiation therapy of 224 patients. Makkonen TA, et al. **Int J Oral Maxillofac Surg** 1987 Feb;16(1):56–64

[Prevention and treatment of traumatic osteomyelitis of the mandible by intraosseous perfusion] Sukachev VA, et al. **Stomatologiia (Mosk)** 1987 Jan–Feb;66(1):46–7 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Aneurysmal bone cyst—a lesion in the mandibular ramus. Newman L. **Br J Oral Maxillofac Surg** 1987 Feb;25(1):74–8

An asymptomatic radiolucent lesion in the mandible. Craig RM Jr, et al. **J Am Dent Assoc** 1987 Jun;114(6):825–6

A radiographic analysis of a mandibular anterior vestibuloplasty with free skin graft. Watson CJ. **J Prosthet Dent** 1987 Sep;58(3):374–9

Traumatic cyst. Allwein JB. **Oral Surg Oral Med Oral Pathol** 1986 Dec;62(6):739–40

Proliferative periostitis (Garré's osteomyelitis). Benca PG, et al. **Oral Surg Oral Med Oral Pathol** 1987 Feb; 63(2):258–60

Reactive subpontine exostoses. Savage NW, et al. **Oral Surg Oral Med Oral Pathol** 1987 Apr;63(4):498–9

[Apropos of a lesion of the coronoid process] Caroli A, et al. **Acta Stomatol Belg** 1986 Oct;83(3):151–4 **(Fre)**

[Gorham–Stout syndrome of the mandible] Mathias K, et al. **Radiologe** 1986 Sep;26(9):439–41 (Eng. Abstr.) **(Ger)**

[Surgical case (3). Traumatic bone cyst] Hardt N, et al. **Schweiz Monatsschr Zahnmed** 1987;97(4):489–90 **(Ger)**

SURGERY

The free greater omental flap for treatment of mandibular osteoradionecrosis. Moran WJ, et al. **Arch Otolaryngol Head Neck Surg** 1987 Apr;113(4):425–7

Transoral mandibulectomy in advanced osteoradionecrosis. Klein JC. **Head Neck Surg** 1979 Nov–Dec;2(2):160–4

Combined curettage and cryosurgical treatment for the aggressive "giant cell lesion" of the mandible.Webb DJ, et al. **Int J Oral Maxillofac Surg** 1986 Dec;15(6):780–5

Treatment of large radiolucent lesion of the mandibular ramus: report of case. Addante RR. **J Am Dent Assoc** 1987 Jul;115(1):46–8

Spontaneous resolution of vascular lesions [letter] Davis WM Jr, et al. **J Oral Maxillofac Surg** 1987 Apr;45(4):298

Surgical correction of longstanding bilateral extracapsular ankylosis of the mandible: report of a case. Paolino RM, et al. **J Oral Maxillofac Surg** 1987 Jul;45(7):638–41

Evaluation of autologous cancellous bone grafting of mandibular discontinuity defects in dogs using a Dacron–urethane prosthesis. Schwartz HC, et al. **J Oral Maxillofac Surg** 1987 Feb;45(2):143–8

Median mandibular lateral periodontal cyst. DiFiore PM, et al. **Oral Surg Oral Med Oral Pathol** 1987 May;63(5):545–50

[Mandibular reconstruction following extensive unilateral resection in children] Allain P, et al. **Rev Stomatol Chir Maxillofac** 1986;87(3):162–6 (Eng. Abstr.) **(Fre)**

[Exeresis of reparative giant cell granuloma: intentional section of the inferior dental nerve followed by its repair] Precious DS, et al. **Rev Stomatol Chir Maxillofac** 1986; 87(6):376–81 (Eng. Abstr.) **(Fre)**

[Reparative giant cell granuloma: long-term follow up. Apropos of a case] Precious DS, et al. **Rev Stomatol Chir Maxillofac** 1986;87(6):369–71 (Eng. Abstr.) **(Fre)**

[Advantages of the titanium plasma-coated half- and full-core reconstruction plate system (THORP) for the bridging of mandibular defects] Raveh J, et al. **Ther Umsch** 1987 Feb;44(2):137–50 (Eng. Abstr.) **(Ger)**

[Transplantation of bone tissue in correcting defects and deformities of the mandible and temporomandibular joint] Arzhantsev PZ, et al. **Voen Med Zh** 1986 Aug;(8):19–24 **(Rus)**

THERAPY

Treatment of mandibular asymmetries during growth. A longitudinal study. Mongini F, et al. **Eur J Orthod** 1987 Feb;9(1):51–67

Non-surgical management of hyperparathyroidism of the jaws. Smith AC, et al. **J Oral Maxillofac Surg** 1987 Feb; 45(2):176–81

Hyperbaric oxygen in the treatment of osteoradionecrosis: a review of its use and efficacy. Fattore L, et al. **Oral Surg Oral Med Oral Pathol** 1987 Mar;63(3):280–6

[Current treatment of osteoradionecrosis] Lagier JP, et al. **Rev Stomatol Chir Maxillofac** 1986;87(5):311–4 (Eng. Abstr.) **(Fre)**

VETERINARY

The mode of inheritance of craniomandibular osteopathy in West Highland White terrier dogs. Padgett GA, et al. **Am J Med Genet** 1986 Sep;25(1):9–13

Mandibular osteodystrophy fibrosa in Indonesian goats fed Leucaena. Yates NG, et al. **Trop Anim Health Prod** 1987 May;19(2):121–6

Oral surgery. Radical resection of maxillary and mandibular lesions. Harvey CE. **Vet Clin North Am [Small Anim Pract]** 1986 Sep; 16(5):983–93

MANDIBULAR FRACTURES

COMPLICATIONS

Severe infections of the head and neck resulting from gas-forming organisms: report of case. Schroeder DC, et al. **J Am Dent Assoc** 1987 Jan;114(1):65–8

Rhabdomyolysis in a patient with a mandibular fracture. Hammon K, et al. **J Oral Maxillofac Surg** 1987 Jul; 45(7):627–30

Traumatic carotid–cavernous fistula associated with a mandibular fracture. Kuroi M, et al. **J Oral Maxillofac Surg** 1987 Jun;45(6):526–9

[Management of mandibular fractures depending upon occlusal conditions] Gyenes V. **Fogorv Sz** 1987 Apr; 80(4):123–5 (Eng. Abstr.) **(Hun)**

[Consequences of fractures of the mandible on the temporomandibular joint] Crippa R. **Ann Osp Maria Vittoria Torino** 1985 Jul–Dec; 28(7–12):161–7 (Eng. Abstr.) **(Ita)**

[Ankylosis of the temporomandibular joint: a serious complication of condylar fractures] Iannetti G, et al. **Minerva Stomatol** 1987 May;36(5):409–16 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Are you overlooking fractures of the mandibular condyle? Myall RW, et al. **Pediatrics** 1987 Apr;79(4):639–41

[Thermography in the clinical practice of maxillofacial surgery] Solntsev AM, et al. **Klin Khir** 1986;(12):36–7 (Eng. Abstr.) **(Rus)**

[Electromyographic study of the masticatory muscles in the treatment of mandibular fractures] Malyshev VA, et al. **Voen Med Zh** 1986 Aug;(8):50–1 **(Rus)**

ENZYMOLOGY

[Effect of innervation disorders on the activity of bone alkaline and acid phosphatases in mandibular regeneration after a fracture] Petrovich IuA, et al. **Stomatologiia (Mosk)** 1987 May–Jun;66(3):9–11 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Pathologic fracture of the mandible associated with simultaneous occurrence of an odontogenic keratocyst and traumatic bone cyst. Matise JL, et al. **J Oral Maxillofac Surg** 1987 Jan;45(1):69–71

[Mandibular fractures caused by a machete. Apropos of 3 cases] Cantaloube D, et al. **Med Trop (Mars)** 1987 Jan–Mar; 47(1):85–7 (Eng. Abstr.) **(Fre)**

[Non-ballistic traumatic fractures of the mandible] Grulliero A, et al. **Minerva Stomatol** 1987 Mar;36(3):197–204 (Eng. Abstr.) **(Ita)**

METABOLISM

[Bone tissue chemiluminescence during a variable course of fracture consolidation] Sumarokov DD, et al. **Stomatologiia (Mosk)** 1987 May–Jun;66(3):12–3 (Eng. Abstr.) **(Rus)**

NURSING

A clean break: postop oral care. Freedman SD, et al. **Am J Nurs** 1987 Apr;87(4):474–5

OCCURRENCE

Jaw fractures in Malmö 1952–62 and 1975–85. Eriksson L, et al. **Swed Dent J** 1987;11(1–2):31–6

[Maxillo-malar fractures (apropos of 80 cases)] Ihrai H, et al. **Maroc Med** 1986 Sep;8(3):341–5 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Traumatically induced bifid mandibular condyle: a report of two cases. Thomason JM, et al. **Br Dent J** 1986 Oct 25;161(8):291–3

A histologic evaluation of a mandibular cross section one year after augmentation with hydroxyapatite particles. Donath K, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jun;63(6):651–5

[Morphological changes in the trigeminal ganglion and inferior alveolar nerve following suture application in mandibular fractures in an experiment] Rutskii NF, et al. **Stomatologiia (Mosk)** 1987 Jan–Feb;66(1):7–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Mandibular fractures. Their effect on growth and dentition. McGuirt WF, et al. **Arch Otolaryngol Head Neck Surg** 1987 Mar;113(3):257–61

Delayed healing of fractures of the mandibular body. Adell R, et al. **Int J Oral Maxillofac Surg** 1987 Feb;16(1):15–24

[Changes in blood flow values during the treatment of an uncomplicated mandibular fracture using a laser] Kats AG, et al. **Stomatologiia (Mosk)** 1987 Mar–Apr;66(2):38–41 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Roentgen diagnosis of mandibular fractures. Studies of the macerated skull] Litwan M, et al. **Radiologe** 1986 Sep; 26(9):416–20 (Eng. Abstr.) **(Ger)**

SURGERY

Open treatment of condylar fractures with biphase technique. Fernandez JA, et al. **Arch Otolaryngol Head Neck Surg** 1987 Mar;113(3):262–6

An experimental study on intermaxillary fixation in the healing process of fracture of the condylar process of the mandible. Shimahara M, et al. **Bull Osaka Med Sch** 1985 Jul;31(1):42–55

Analysis of compression plating of mandibular fractures. Sándor GK, et al. **Can Dent Assoc J** 1987 Jun;53(6):483–6

Mandibular reconstruction. Gluckman JL. **Ear Nose Throat J** 1986 Nov;65(11):522–7

Rigid internal fixation of mandibular fractures—an analysis of 45 patients treated according to the ASIF method. Lindqvist C, et al. **Int J Oral Maxillofac Surg** 1986 Dec; 15(6):657–64

Compression osteosynthesis in mandibular fractures. Pogrel MA. **Int J Oral Maxillofac Surg** 1986 Oct;15(5):521–4

Prevention of tongue prolapse by immediate stabilization in severely avulsed mandibular war injuries. Shuker ST. **J Maxillofac Surg** 1986 Dec;14(6):317–20

Osteosynthesis of mandibular fractures with N-butyl cyanoacrylate: a pilot study. Mehta MJ, et al. **J Oral Maxillofac Surg** 1987 May;45(5):393–6

Intraosseous wire fixation versus rigid osseous fixation of mandibular fractures: a preliminary report. Theriot BA, et al. **J Oral Maxillofac Surg** 1987 Jul;45(7):577–82

Transoral approach to fractures of the mandible. Dierks EJ. **Laryngoscope** 1987 Jan;97(1):4–6

The use of freeze-dried rib and hydroxylapatite in the treatment of a fracture occurring in a patient with familial facial osteodystrophy. Lew D, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jul;64(1):15–21

Management of mandibular trauma with rigid internal fixation. Schwimmer AM, et al. **Oral Surg Oral Med Oral Pathol** 1986 Dec;62(6):630–7

Solitary lag screw osteosynthesis in the treatment of fractures of the angle of the mandible: a retrospective study. Niederdellmann H, et al. **Plast Reconstr Surg** 1987 Jul; 80(1):68–74

[Treatment of mandibular fractures using Champy plate osteosynthesis. A retrospective study] Janssen J, et al. **Acta Stomatol Belg** 1986 Jul;83(2):111–20 (Eng. Abstr.) **(Dut)**

[Surgical treatment of subcondylar fractures: indications—advantages—results] Van den Broecke E, et al. **Acta Stomatol Belg** 1986 Jul;83(2):133–42 (Eng. Abstr.) **(Fre)**

[Glucose-6-phosphate dehydrogenase deficiency. Diagnosis during treatment of a mandibular fracture] Precious DS, et al. **Rev Stomatol Chir Maxillofac** 1987;88(1):36–9 (Eng. Abstr.) **(Fre)**

[Knotting of stomach and endotracheal tubes] Busch W, et al. **Anaesthesist** 1987 Apr;36(4):178–9 (Eng. Abstr.) **(Ger)**

[Surgical management of mandibular fractures by intraoral approach] Gyenes V, et al. **Fogorv Sz** 1987 Mar;80(3):67–70 (Eng. Abstr.) **(Hun)**

[Experience with Champy's plate in maxillofacial traumatology] Inovay J, et al. **Fogorv Sz** 1987 Apr; 80(4):118–22 (Eng. Abstr.) **(Hun)**

[Surgical management of mandibular fractures using metal plates] Gyenes V, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1986; 29(4):257–62 (Eng. Abstr.) **(Hun)**

[Use of a fiber optic instrument (broncho–fiberoscope) for intratracheal intubation] Méray J. **Orv Hetil** 1987 May 10; 128(19):997–1000 (Eng. Abstr.) **(Hun)**

[Surgical treatment of mandibular fractures. A comparative assessment of the years 1974–1978 and 1980–1984] Berrone S, et al. **Minerva Stomatol** 1986 Sep;35(9):875–8 (Eng. Abstr.) **(Ita)**

[A new method of treating mandibular fractures by plate osteosynthesis] Bormioli P, et al. **Minerva Stomatol** 1987 Jun;36(6):503–10 (Eng. Abstr.) **(Ita)**

[Traumatic alveolar fractures: for whose skills? A clinical case] di Lauro F, et al. **Minerva Stomatol** 1987 May; 36(5):399–407 (Eng. Abstr.) **(Ita)**

[Therapy of condylar fractures with dislocation in young people] Lattaro R, et al. **Minerva Stomatol** 1987 Jun; 36(6):489–95 (Eng. Abstr.) **(Ita)**

[Treatment of patients with mandibular fractures using a compression–distraction apparatus] Khamitov FS, et al. **Stomatologiia (Mosk)** 1987 Mar–Apr;66(2):44–5 (Eng. Abstr.) **(Rus)**

[Use of the intraoral bone suture in mandibular fractures] Kruchinskii GV, et al. **Stomatologiia (Mosk)** 1987 Jan–Feb; 66(1):48–9 (Eng. Abstr.) **(Rus)**

[Surgical treatment of the bone wound in open mandibular fractures] Luk'ianenko VT, et al. **Stomatologiia (Mosk)** 1987 Jan–Feb;66(1):49–51 (Eng. Abstr.) **(Rus)**

[Review of the methodology and successful treatment of fractures of the lower jaw] Aljinović N, et al. **Chir Maxillofac Plast** 1986;16(1–2):21–4 (Eng. Abstr.) **(Scr)**

[Personal experience in the treatment of fractures of the facial bones with emphasis on the method of intermaxillary immobilization using metal hooks] Car M, et al. **Chir Maxillofac Plast** 1986;16(1–2):9–16 (Eng. Abstr.) **(Scr)**

[Surgical care of fractures of the mandible using the AO method] Kruščič A, et al. **Chir Maxillofac Plast** 1986; 16(1–2):29–31 (Eng. Abstr.) **(Scr)**

[Use of mini-plates manufactured in Yugoslavia in the therapy of fractures of the lower jaw] Milorad M, et al. **Chir Maxillofac Plast** 1986;16(1–2):25–7 (Eng. Abstr.) **(Scr)**

[Comparative study of conservative methods of treatment, osteosynthesis, and mini-plates in fractures of the lower jaw] Sjerobabin I, et al. **Chir Maxillofac Plast** 1986; 16(1–2):3–7 (Eng. Abstr.) **(Scr)**

THERAPY

Conservative management of a patient with a fractured atrophic mandible. Frame K. **Br Dent J** 1987 Jan 10; 162(1):27–8

Management of mandibular fractures in the highlands of Papua New Guinea. Malden NJ. **Int J Oral Maxillofac Surg** 1987 Apr;16(2):160–5

The relation of age to the immobilization period required for healing of mandibular fractures. Amaratunga NA. **J Oral Maxillofac Surg** 1987 Feb;45(2):111–3

The effect of teeth in the line of mandibular fractures on healing. de Amaratunga NA. **J Oral Maxillofac Surg** 1987 Apr;45(4):312–4

Mouth opening after release of maxillomandibular fixation in fracture patients. de Amaratunga NA. **J Oral Maxillofac Surg** 1987 May;45(5):383–5

Remodeling of bilateral condylar fractures in a child. Miller RI, et al. **J Oral Maxillofac Surg** 1986 Dec;44(12):1008–10

Treatment of bilateral fracture of the mandible in a hemophilic patient with inhibitor to factor VIII. Sindet-Pedersen S, et al. **J Oral Maxillofac Surg** 1987 Jun; 45(6):537–40

[Effect of electrostimulation on the blood circulation in the area of a mandibular fracture] Salenkov VG. **Stomatologiia (Mosk)** 1987 Mar–Apr;66(2):31–4 (Eng. Abstr.) **(Rus)**

VETERINARY

Partial mandibulectomy for treatment of mandibular fractures in dogs: eight cases (1981–1984). Lantz GC, et al. **J Am Vet Med Assoc** 1987 Jul 15;191(2):243–5

MANDIBULAR INJURIES

CLASSIFICATION

Systemization of traumatic mandibular lesions. Peron JM, et al. **J Neuroradiol** 1986;13(4):240–7 **(Eng, Fre)**

COMPLICATIONS

Frey's syndrome: secondary to condylar fracture. Goodman RS. **Laryngoscope** 1986 Dec;96(12):1397–8

ETIOLOGY

Jaw dislocation during general anaesthesia. Sosis M, et al. **Can J Anaesth** 1987 Jul;34(4):407–8

REHABILITATION

[Cooperation between the traumatologist and the prosthodontist in the rehabilitation of mandibular injuries] Kovács G, et al. **Fogorv Sz** 1986 Oct;79(10):289–94 (Eng. Abstr.) **(Hun)**

SURGERY

[Diagnostic setting and surgical therapy of anterior dislocations of the mandible] Cascone P, et al. **Minerva Stomatol** 1987 Mar;36(3):211–6 (Eng. Abstr.) **(Ita)**

MANDIBULAR NEOPLASMS

BLOOD SUPPLY

Telangiectatic osteosarcoma of the mandible. Chan CW, et al. **Cancer** 1986 Nov 1;58(9):2110–5

COMPLICATIONS

Mental nerve neuropathy associated with compound odontoma. Bodner L, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jun;63(6):658–60

Tuberous sclerosis complex and a calcifying epithelial odontogenic tumor of the mandible. Rubin MM, et al.

Oral Surg Oral Med Oral Pathol 1987 Aug;64(2):207–11

CONGENITAL

Lymphangiomas of the alveolar ridge in a neonate: report of case. Kittle PE, et al. **ASDC J Dent Child** 1987 Jul–Aug; 54(4):277–9

DIAGNOSIS

Lymphomas of the mandible presenting as acute alveolar swellings. Macintyre DR. **Br Dent J** 1986 Oct 11; 161(7):253–4

Diagnosis and treatment of the unicystic ameloblastoma. Isacsson G, et al. **Int J Oral Maxillofac Surg** 1986 Dec; 15(6):759–64

Intraoral angiofibroma: a case report. Supiyaphun P, et al. **J Med Assoc Thai** 1986 Jul;69(7):382–5

Embryonal rhabdomyosarcoma of the mandible. Williams TP, et al. **J Oral Maxillofac Surg** 1987 May;45(5):441–3

Osteoid osteoma of the mandibular ramus. Zulian MA, et al. **J Oral Maxillofac Surg** 1987 Aug;45(8):712–4

Stafne's bone (defect) simulating dentigerous cyst of the mandible. Salman L, et al. **J Oral Med** 1986 Oct–Dec; 41(4):239–41, 273

Early aggressive cemento–ossifying fibroma: a diagnostic and treatment dilemma. Hall EH, et al.
Oral Surg Oral Med Oral Pathol 1987 Jan;63(1):132–6

[Odontogenic adenomatoid tumor. Apropos of 2 cases in Dakar] Cantaloube D, et al.
Rev Stomatol Chir Maxillofac 1987;88(3):218–22 (Eng. Abstr.) **(Fre)**

[Ameloblastic fibroma of the mandible. The problems of differential diagnosis and a proposed classification] Parascandolo S, et al. **Minerva Stomatol** 1986 Sep; 35(9):833–8 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Intraosseous lipomas: clinical features of a mandibular case with possible aetiology. Barker GR, et al.
Br J Oral Maxillofac Surg 1986 Dec;24(6):459–63

Adenosquamous carcinoma of the floor of the mouth and lower alveolus: a radiation–induced lesion? Siar CH, et al.
Oral Surg Oral Med Oral Pathol 1987 Feb;63(2):216–20

Mandibular sarcoma as a second neoplasm following radiotherapy for a nasopharyngeal carcinoma in childhood (case report). Papavasiliou C, et al. **Radiother Oncol** 1987 Apr;8(4):333–5

Mandibular osteomas in ulcerative colitis. Søndergaard JO, et al. **Scand J Gastroenterol** 1986 Nov;21(9):1089–90

HISTORY

[Kosztolányi's radiotherapy in Stockholm] Gyenes G.
Orv Hetil 1986 Nov 30;127(48):2949–51 **(Hun)**

OCCURRENCE

Mandibular ameloblastoma in Singapore—a 10 year review. Tan WT, et al. **Ann Acad Med Singapore** 1986 Jul; 15(3):378–83

PATHOLOGY

Osteogenic and chondrogenic sarcomas of the jaws. Batsakis JG. **Ann Otol Rhinol Laryngol** 1987 Jul–Aug;96(4):474–5

Ameloblastic fibroma of the mandible. Blankestijn J, et al.
Br J Oral Maxillofac Surg 1986 Dec;24(6):417–21

Desmoplastic fibroma involving the mandible. Hietanen J, et al. **Br J Oral Maxillofac Surg** 1986 Dec;24(6):442–7

Squamous cell carcinoma arising in a mandibular keratocyst in a patient with Gorlin's syndrome. Moos KF, et al.
Br J Oral Maxillofac Surg 1987 Aug;25(4):280–4

Benign chondroblastoma involving the mandibular condyle. Payne M, et al. **Br J Oral Maxillofac Surg** 1987 Jun; 25(3):250–5

Mandibular ameloblastoma with intracranial extension and distant metastasis. Oka K, et al. **Clin Neurol Neurosurg** 1986; 88(4):303–9

Cementifying fibroma (a case report). Joshi HN, et al.
Indian J Pathol Microbiol 1986 Jan;29(1):83–6

Osteosarcoma of the jaws—a series from Kaduna, Nigeria. Adekeye EO, et al. **Int J Oral Maxillofac Surg** 1987 Apr; 16(2):205–13

Osteoma in mandibular condyle. Bessho K, et al.
Int J Oral Maxillofac Surg 1987 Jun;16(3):372–5

Intramural calcifying epithelial odontogenic tumor. Ficarra G, et al. **Int J Oral Maxillofac Surg** 1987 Apr;16(2):217–21

Calcifying odontogenic cyst. Lello GE, et al.
Int J Oral Maxillofac Surg 1986 Oct;15(5):637–44

Peripheral ameloblastoma with metastasis. Lin SC, et al.
Int J Oral Maxillofac Surg 1987 Apr;16(2):202–4

Chondromyxoid fibroma. Pinholt E, et al.
Int J Oral Maxillofac Surg 1986 Oct;15(5):553–64

Acute myelofibrosis and multiple chloromas of the mandible and skin. Saleh MN, et al. **Int J Oral Maxillofac Surg** 1987 Feb;16(1):108–11

Malignant schwannoma of the mandible. Shirasuna K, et al.
Int J Oral Maxillofac Surg 1986 Dec;15(6):772–6

Multiple cemento–ossifying fibroma. Takeda Y, et al.
Int J Oral Maxillofac Surg 1987 Jun;16(3):368–71

Mesenchymal chondrosarcoma. Williams HK, et al.
Int J Oral Maxillofac Surg 1987 Feb;16(1):119–24

Osteosarcoma mimicking fibrous dysplasia of the jaw. Yamashiro M, et al. **Int J Oral Maxillofac Surg** 1987 Feb; 16(1):112–5

Central mucoepidermoid tumour of the mandible. Report of 2 cases. Tornes K, et al. **J Craniomaxillofac Surg** 1987 Feb; 15(1):38–41

Distant skin metastases in a long–term survivor of malignant ameloblastoma. White RM, et al. **J Cutan Pathol** 1986 Oct; 13(5):383–9

Case 62: expansile radiolucent lesion of the mandible [clinical conference] Bass B, et al. **J Oral Maxillofac Surg** 1986 Oct; 44(10):799–803

Massive granular cell ameloblastoma with metastasis: report of a case. Cranin AN, et al. **J Oral Maxillofac Surg** 1987 Sep;45(9):800–4

Benign osteoblastoma of the mandible: fifteen year follow–up showing spontaneous regression after biopsy. Eisenbud L, et al. **J Oral Maxillofac Surg** 1987 Jan;45(1):53–7

Mesenchymal chondrosarcoma: a case report. Hollins RR, et al. **J Oral Maxillofac Surg** 1987 Jan;45(1):72–5

Osteosarcoma of the mandible: analysis of nine cases. Lindqvist C, et al. **J Oral Maxillofac Surg** 1986 Oct; 44(10):759–64

Mandibular dentinoma. Lukinmaa PL, et al.
J Oral Maxillofac Surg 1987 Jan;45(1):60–4

Chondrosarcoma of the jaw: report of two cases. Molla MR, et al. **J Oral Maxillofac Surg** 1987 May;45(5):453–7

A rare case of simultaneous malignant tumors: osteosarcoma of the mandible and lung cancer. Ohya T, et al.
J Oral Maxillofac Surg 1987 Mar;45(3):261–4

Granulocytic sarcoma of the mandible. Timmis DP, et al.
J Oral Maxillofac Surg 1986 Oct;44(10):814–8

Osteoblastoma of the mandibular condyle: review of the literature and report of a case. Weinberg S, et al.
J Oral Maxillofac Surg 1987 Apr;45(4):350–5

Xanthofibroma of the mandible. White RD, et al.
J Oral Maxillofac Surg 1986 Dec;44(12):1010–4

Case 62: a radiolucency of the mandible [clinical conference] Williams TP, et al. **J Oral Maxillofac Surg** 1987 Jan; 45(1):48–52

Chondrosarcoma of the jaws. Report of two cases. Sawyer DR, et al. **J Oral Med** 1987 Jan–Mar;42(1):30–4

Chondromyxoid fibroma of the jaws: a clinicopathological study. Lustmann J, et al. **J Oral Pathol** 1986 Jul;15(6):343–6

The dentinogenic ghost cell tumor [published erratum appears in J Oral Pathol 1986 Nov;15(10):following 550] Tajima Y, et al. **J Oral Pathol** 1986 Jul;15(6):359–62

A comparative histological study of odontogenic keratocysts in basal cell naevus syndrome and control patients. Woolgar JA, et al. **J Oral Pathol** 1987 Feb;16(2):75–80

Ameloblastic fibro–odontoma. Sole MS, et al.
NY State Dent J 1986 Aug–Sep;52(7):20–1

Benign mixed tumor of the mandible 17 years after the occurrence of a similar lesion in the parotid gland. Drinkard DW, et al. **Oral Surg Oral Med Oral Pathol** 1986 Oct; 62(4):381–4

Mandibular vascular leiomyoma. McMillan MD, et al.
Oral Surg Oral Med Oral Pathol 1986 Oct;62(4):427–33

An unusual case of lingual mandibular depression. Ström C, et al. **Oral Surg Oral Med Oral Pathol** 1987 Aug; 64(2):159–61

Histopathologic study of bone invasion by DMBA–induced carcinoma of the mouth in the hamster. Totsuka Y, et al.
Oral Surg Oral Med Oral Pathol 1986 Dec;62(6):683–92

Central granular cell odontogenic fibroma. Vincent SD, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jun;63(6):715–21

Mandibular ameloblastoma. Cannon CR, et al.
South Med J 1986 Nov;79(11):1446–8

[Neuroblastoma: primary mandibular localization] Ihrai H, et al. **Maroc Med** 1986 Jun;8(2):285–91 (Eng. Abstr.) **(Fre)**

[Intramandibular angioma with an arteriovenous fistula. Apropos of a case] Seguin P, et al.
Rev Stomatol Chir Maxillofac 1986;87(4):233–7 (Eng. Abstr.) **(Fre)**

[Myxoma of the jaws] Sentilhes C, et al.
Rev Stomatol Chir Maxillofac 1987;88(1):20–5 (Eng. Abstr.) **(Fre)**

[Acanthomatous ameloblastoma. Histological aspects and prognostic implications] Bucci E, et al.
Minerva Stomatol 1987 Jan–Feb;36(1–2):59–63 (Eng. Abstr.) **(Ita)**

[Primary reticulosarcoma of the mandible. Clinical and histopathological observations] Centini S, et al.
Minerva Stomatol 1987 Jan–Feb;36(1–2):71–7 (Eng. Abstr.) **(Ita)**

[Case of ameloblastic fibroma] Defraia E, et al.
Minerva Stomatol 1986 Oct;35(10):947–51 (Eng. Abstr.) **(Ita)**

[Mandibular neurinoma. Observations on 2 clinical cases] Parascandolo S, et al. **Minerva Stomatol** 1986 Jul–Aug; 35(7–8):717–22 (Eng. Abstr.) **(Ita)**

[Osteoma of the mandibular condyle] Pomatto E, et al.
Minerva Stomatol 1987 Mar;36(3):161–4 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Hemangioma of the mandible (a case report). Saha MM, et al. **Australas Radiol** 1986 May;30(2):130–1

A case of a gigantic ameloblastoma. van Zanten TE, et al.
Diagn Imag Clin Med 1986;55(6):391–3

Case report 392: Primary leiomyosarcoma (LMS) of the mandible. Hilpert PL, et al. **Skeletal Radiol** 1986; 15(7):570–4

Case report 380: Desmoplastic fibroma of the mandible. Schultz E, et al. **Skeletal Radiol** 1986;15(7):560–4

[Odontogenic myxoma of the mandible] Tant L, et al.
Acta Stomatol Belg 1986 Oct;83(3):191–201 **(Fre)**

[Gorham–Stout syndrome of the mandible] Mathias K, et al. **Radiologe** 1986 Sep;26(9):439–41 (Eng. Abstr.) **(Ger)**

[Surgical case. 1. Bone and soft–tissue angioma of the mandible] Hardt N, et al. **Schweiz Monatsschr Zahnmed** 1987;97(2):229–30 **(Ger)**

RADIONUCLIDE IMAGING

SPECT confidence building. Subtle skull bone imaging lesions made conspicuous. Cawthon MA, et al.
Clin Nucl Med 1986 Nov;11(11):805–6

SECONDARY

Poorly differentiated malignant epithelial neoplasm with jaw metastasis: report of a case and problems of definitive diagnosis. Fowler CB, et al. **Ann Dent** 1987 Summer; 46(1):46–8

Spread of squamous cell carcinoma to the nonirradiated edentulous mandible—a preliminary report. McGregor IA, et al. **Head Neck Surg** 1987 Jan–Feb;9(3):157–61

Thyroid papillary carcinoma presenting as jaw and parotid gland metastases. Markitziu A, et al.
Int J Oral Maxillofac Surg 1986 Oct;15(5):648–53

Initial appearance of renal cell carcinoma as a metastatic mass in the mandible. Pick JB, et al. **J Am Dent Assoc** 1986 Nov;113(5):759–61

Metastatic hemangioendotheliosarcoma of the mandible: report of case. Sengün D, et al.
J Oral Maxillofac Surg 1986 Oct;44(10):806–10

Metastatic colon carcinoma to the jaw: a case report and review of the literature. Mast HL, et al. **J Surg Oncol** 1987 Mar;34(3):202–7 (13 ref.)

Case for diagnosis. Bronchial carcinoid, metastatic to the mandible. Haggerty DR. **Milit Med** 1987 Mar;152(3):161–2

[Bilateral mandibular head metastases of a prostatic carcinoma] Gormanns R, et al. **ROFO** 1987 Jun; 146(6):729–30 **(Ger)**

SURGERY

The role of sternum in osteomyocutaneous reconstruction of major mandibular defects. Robertson GA.
Am J Surg 1986 Oct;152(4):367–70

Wound infection after mandibular reconstruction with autogenous graft. Egyedi P. **Ann Acad Med Singapore** 1986 Jul;15(3):340–5

Mandibular reconstruction using split autogenous bone grafts. Frame JW, et al. **Br J Oral Maxillofac Surg** 1987 Feb; 25(1):1–8

Mandibular reconstruction. Gluckman JL.
Ear Nose Throat J 1986 Nov;65(11):522–7

Osteoid osteoma of the mandible [letter] Gupta OP, et al.
Ear Nose Throat J 1986 Dec;65(12):574–5

Ameloblastoma with multiple delayed recurrences: a case report. Lello GE, et al. **Head Neck Surg** 1987 May–Jun; 9(5):295–8

Intraoral reconstruction of mandibular defects after tumor resection. Lello GE. **J Oral Maxillofac Surg** 1986 Nov; 44(11):864–70

Resection of a mandibular myxoma via a sagittal ramus osteotomy. Petti NA, et al. **J Oral Maxillofac Surg** 1987 Sep;45(9):793–5

Use of a hemicoronal scalp flap to approach an osteochondroma of the coronoid process. Schwartz HC, et al. **J Oral Maxillofac Surg** 1987 Jun;45(6):545–7

Primary malignant fibrous histiocytoma of the mandible: surgical approach and report of a case. Vargas A, et al.
J Oral Maxillofac Surg 1987 Jul;45(7):634–8

The temporalis muscle flap for head and neck reconstruction. Birt BD, et al. **J Otolaryngol** 1987 Jun;16(3):179–84

[Free transfer of the ilium with anastomosis of gluteus sup. Vessels in reconstruction of mandible defects] Feng LS.
Chung Hua Kou Chiang Ko Tsa Chih 1986 Jul;21(4):217–8, 253 (Eng. Abstr.) **(Chi)**

[Use of the mandible itself for the restoration of large defects of the mandible] Hong M.
Chung Hua Kou Chiang Ko Tsa Chih 1986 May;21(3):140–1, 190 (Eng. Abstr.) **(Chi)**

[Ameloblastoma in an 11–year–old child] Richoux B, et al.
Rev Stomatol Chir Maxillofac 1986;87(3):188–91 (Eng. Abstr.) **(Fre)**

[Microvascular anastomosis of the iliac crest transplant in mandibular reconstruction] Stock W, et al.
Handchir Mikrochir Plast Chir 1987 Mar;19(2):81–3 (Eng. Abstr.) **(Ger)**

[Advantages of the titanium plasma–coated half– and full–core reconstruction plate system (THORP) for the bridging of mandibular defects] Raveh J, et al.
Ther Umsch 1987 Feb;44(2):137–50 (Eng. Abstr.) **(Ger)**

[Malignant fibrous histiocytoma of the mandible in a 1 6/12–year–old boy] Kiesel L, et al. **Z Kinderchir** 1987 Feb; 42(1):40–2 (Eng. Abstr.) **(Ger)**

[Myxoma of the mandible. Electron microscope studies] Ormos J, et al. **Morphol Igazsagugyi Orv Sz** 1986 Oct; 26(4):239–46 (Eng. Abstr.) **(Hun)**

[Critical comments on the article, "Mandible substitution by bone transplantation and a microvascular method" (letter)] **Orv Hetil** 1987 Jul 19;128(29):1544–6 **(Hun)**

[Bone graft by a microvascular method in mandibular

reconstruction] Borbély L, et al. **Orv Hetil** 1987 Mar 15; 128(11):585–8 (Eng. Abstr.) **(Hun)**

[Advances in radiologic examination after surgical reconstruction of the mandible using bone transplants] Mlosek K, et al. **Pol Przegl Radiol (Warszawa)** 1986 May–Jun;50(3):137–41 (Eng. Abstr.) **(Pol)**

[Laser coagulation of the mandible in removing adjacent malignant neoplasms] Sidorov SD. **Stomatologiia (Mosk)** 1987 Mar–Apr;66(2):41–2 (Eng. Abstr.) **(Rus)**

THERAPY

Management of haemangioma involving facial, mandibular and pharyngeal structures. Yeoman CM. **Br J Oral Maxillofac Surg** 1987 Jun;25(3):195–203

[Surgical and orthodontic aspects of preserving retained teeth in the therapy of odontomas] Berthold H, et al. **Schweiz Monatsschr Zahamed** 1987;97(1):28–32 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

An immunohistochemical and electron microscopic study of a central venous hemangioma of the mandible. Gunge M, et al. **Arch Otorhinolaryngol** 1987;244(1):30–5

Intracytoplasmic crystalloids in granular cell ameloblastoma. Takeda Y. **J Oral Pathol** 1986 Jul;15(6):319–21

VETERINARY

Focal and multifocal osteosarcoma in two foals. Livesey MA, et al. **Equine Vet J** 1986 Sep;18(5):407–10

Surgery and radiotherapy for management of compound odontoma in a heifer. Ziemer EL, et al. **J Am Vet Med Assoc** 1986 Oct 1;189(7):794–6

MANDIBULAR NERVE

Postherpetic gustatory flushing and sweating. Drummond PD, et al. **Ann Neurol** 1987 Jun;21(6):559–63

An unusual case of sickle cell anaemia. Berman AM. **Br Dent J** 1987 May 9;162(9):343–5

Mandibular versus inferior dental anaesthesia: clinical assessment of 3 different techniques. Todorović L, et al. **Int J Oral Maxillofac Surg** 1986 Dec;15(6):733–8

Prolonged analgesia following preoperative bupivacaine neural blockade for oral surgery performed under general anesthesia. Chapman PJ, et al. **J Oral Maxillofac Surg** 1987 Mar;45(3):233–5

Neurosensory disturbance with rigid fixation of the bilateral sagittal split osteotomy. Nishioka GJ, et al. **J Oral Maxillofac Surg** 1987 Jan;45(1):20–6

Prospective study of dysesthesia following odontectomy of impacted mandibular third molars. Wofford DT, et al. **J Oral Maxillofac Surg** 1987 Jan;45(1):15–9

Inferior alveolar nerve repositioning in conjunction with placement of osseointegrated implants: a case report. Jensen O, et al. **Oral Surg Oral Med Oral Pathol** 1987 Mar; 63(3):263–8

Paresthesia of the inferior alveolar nerve caused by periodontal–endodontic pathosis. Lambrianidis T, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jan;63(1):90–2

ABNORMALITIES

[Dysgenetic anomaly of the lingual nerve in infants, especially in unexplained sudden death syndrome] Tayot J, et al. **Arch Anat Cytol Pathol** 1986;34(4):197–203 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

The postganglionic parasympathetic fibers originating in the otic ganglion are distributed in several branches of the trigeminal mandibular nerve: an HRP study in the guinea pig. Segade LA, et al. **Brain Res** 1987 May 19;411(2):386–90

Topographic organization of central terminal region of different sensory branches of the rat mandibular nerve. Takemura M, et al. **Exp Neurol** 1987 Jun;96(3):540–57

Clinical considerations from axon–myelin relationship in human inferior alveolar nerve. Heasman PA, et al. **Int J Oral Maxillofac Surg** 1987 Jun;16(3):346–51

[The incidence of lateral ramus prominence (LRP) of the mandible and correlations with the inferior alveolar neuro–vascular system] Li QL. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Mar;21(2):117–9 **(Chi)**

INJURIES

Inferior alveolar and lingual nerve injuries: regeneration or operation? [letter] Mozsary PG. **J Oral Maxillofac Surg** 1987 Mar;45(3):204, 286

Evaluation of the regenerative capacity of the inferior alveolar nerve following surgical trauma. Upton LG, et al. **J Oral Maxillofac Surg** 1987 Mar;45(3):212–6

Prednisone treatment for injury and compression of inferior alveolar nerve: report of a case of anesthesia following endodontic overfilling. Gatot A, et al. **Oral Surg Oral Med Oral Pathol** 1986 Dec;62(6):704–6

[Sagittal splitting of the ascending mandibular ramus. Prevention of injury to the lower dental pedicle] Duguet V, et al. **Rev Stomatol Chir Maxillofac** 1987;88(1):71–6 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Entrapment of the neurovascular bundle by the roots of an impacted mandibular third molar—a case report. Mishra YC. **Br J Oral Maxillofac Surg** 1987 Jun;25(3):261–4

[Morphological changes in the trigeminal ganglion and inferior alveolar nerve following suture application in mandibular fractures in an experiment] Rutskii NF, et al. **Stomatologiia (Mosk)** 1987 Jan–Feb;66(1):7–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Effects of afferent stimulation of the lingual nerve on gastrointestinal motility in the rat. Sugimoto M, et al. **Acta Med Okayama** 1987 Jun;41(3):89–97

Somatosensory evoked potentials to electrical stimulation of the mental nerve. Godfrey RM, et al. **Br J Oral Maxillofac Surg** 1987 Aug;25(4):300–7

Persistence of taste buds in denervated fungiform papillae. Whitehead MC, et al. **Brain Res** 1987 Mar 3;405(1):192–5

The effect of inferior alveolar nerve resection on dentin formation. Johnson WT, et al. **Oral Surg Oral Med Oral Pathol** 1987 Aug;64(2):212–5

Peripheral axotomy of the rat mandibular trigeminal nerve leads to an increase in VIP and decrease of other primary afferent neuropeptides in the spinal trigeminal nucleus. Atkinson ME, et al. **Regul Pept** 1986 Dec 1;16(1):69–81

PHYSIOPATHOLOGY

Mental nerve neuropathy associated with compound odontoma. Bodner L, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jun;63(6):658–60

SURGERY

Transposition of the mental nerve in orthognathic surgery. Kahnberg KE, et al. **J Oral Maxillofac Surg** 1987 Apr; 45(4):315–8

Nerve sharing by an interpositional sural nerve graft between the great auricular and inferior alveolar nerve to restore lower lip sensation. LaBanc JP, et al. **J Oral Maxillofac Surg** 1987 Jul;45(7):621–7

[Exeresis of reparative giant cell granuloma: intentional section of the inferior dental nerve followed by its repair] Precious DS, et al. **Rev Stomatol Chir Maxillofac** 1986; 87(6):376–81 (Eng. Abstr.) **(Fre)**

MANDIBULAR PROSTHESIS

Metallic objects seen in radiographs of the maxilla and mandible. Flaxman NA, et al. **Am Fam Physician** 1987 Apr; 35(4):197–203

Mandibular reconstruction with metal plate and myocutaneous flap. Gullane PJ, et al. **Aust NZ J Surg** 1986 Sep;56(9):701–6

Mandibular reconstruction. Gluckman JL. **Ear Nose Throat J** 1986 Nov;65(11):522–7

Prevention of tongue prolapse by immediate stabilization in severely avulsed mandibular war injuries. Shuker ST. **J Maxillofac Surg** 1986 Dec;14(6):317–20

Secondary reconstruction of the mandible with an aluminum oxide prosthesis. Nagamine T, et al. **J Oral Maxillofac Surg** 1987 Feb;45(2):173–6

Evaluation of autologous cancellous bone grafting of mandibular discontinuity defects in dogs using a Dacron–urethane prosthesis. Schwartz HC, et al. **J Oral Maxillofac Surg** 1987 Feb;45(2):143–8

[Mandibular reconstruction following extensive unilateral resection in children] Allain P, et al. **Rev Stomatol Chir Maxillofac** 1986;87(3):162–6 (Eng. Abstr.) **(Fre)**

MANDIBULAR REST POSITION see **VERTICAL DIMENSION**

MANDIBULOFACIAL DYSOSTOSIS

[Facio–auriculo–vertebral syndrome: description of a case] Olivieri M, et al. **Pediatr Med Chir** 1986 Sep–Oct;8(5):737–9 (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Mandibulofacial dysostosis (Treacher Collins syndrome): a new proposal for its pathogenesis. Sulik KK, et al. **Am J Med Genet** 1987 Jun;27(2):359–72

COMPLICATIONS

Goldenhar's syndrome and hypodontia: report of case. Welbury RR, et al. **ASDC J Dent Child** 1987 Jan–Feb; 54(1):62–4

Anaesthesia for Treacher Collins syndrome [letter] Mayhew JF. **Can J Anaesth** 1987 May;34(3 (Pt 1)):328–9

Nager syndrome: an update of speech and hearing characteristics. Meyerson MD, et al. **Cleft Palate J** 1987 Apr;24(2):142–51

Goldenhar's syndrome with unilateral Duane retraction syndrome and "butterfly" vertebra.Dastur YK, et al. **Indian J Ophthalmol** 1985 May–Jun;33(3):187–9

DIAGNOSIS

[Corneal complications in Goldenhar–Gorlin syndrome] Weidle EG, et al. **Klin Monatsbl Augenheilkd** 1987 May; 190(5):436–8 (Eng. Abstr.) **(Ger)**

[Lipoma of the corpus callosum as a constituent of Goldenhar syndrome] Thommen L, et al. **Monatsschr Kinderheilkd** 1986 Aug;134(8):541–3 (Eng. Abstr.) **(Ger)**

[Franceschetti–Zwahlen–Klein syndrome with dextrocardia in a 2–month–old infant] Drak D, et al. **Pediatr Pol** 1987 Jan;62(1):41–4 **(Pol)**

FAMILIAL & GENETIC

Postaxial acrofacial dysostosis (Miller) syndrome. Donnai D, et al. **J Med Genet** 1987 Jul;24(7):422–5

Acrofacial dysostosis of Nager and ocular abnormalities. Pavone L, et al. **Ophthalmic Paediatr Genet** 1986 Aug; 7(2):115–9

PATHOLOGY

Oculoauriculovertebral dysplasia and variants: phenotypic characteristics of 294 patients. Rollnick BR, et al. **Am J Med Genet** 1987 Feb;26(2):361–75

Hanhart's syndrome with special reference to temporal bone findings. Sekhar HK, et al. **Ann Otol Rhinol Laryngol** 1987 May–Jun;96(3 Pt 1):309–14

The skeletal anatomy of mandibulofacial dysostosis (Treacher Collins syndrome). Marsh JL, et al. **Plast Reconstr Surg** 1986 Oct;78(4):460–70

[Neuroparalytic corneal ulcer in Goldenhar–Gorlin syndrome] Weidle EG, et al. **Fortschr Ophthalmol** 1987; 84(1):40–1 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Oculo–auriculo–vertebral dysplasia: case report. Orzincolo C, et al. **Pediatr Radiol** 1987;17(4):330–2

[Goldenhar syndrome (oculoauriculovertebral dysplasia)] Daneš J, et al. **Cesk Radiol** 1986 Nov;40(6):388–93 (Eng. Abstr.) **(Cze)**

[X–ray picture of the skull changes in Treacher Collins' syndrome] Rabukhina NA, et al. **Stomatologiia (Mosk)** 1986 Nov–Dec;65(6):71–4 (Eng. Abstr.) **(Rus)**

SURGERY

Results of the Tessier integral procedure for correction of Treacher Collins syndrome. Tulasne JF, et al. **Cleft Palate J** 1986 Dec;23 Suppl 1:40–9

[Mandibulofacial dysostosis and plastic surgery] Wang SY. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jan;21(1):28–30, 62–3 (Eng. Abstr.) **(Chi)**

MANDRAGORA see under **PLANTS, TOXIC**

MANDRILL see **PAPIO**

MANEB see under **THIOCARBAMATES**

MANGANESE

Manganese poisoning and the attack of trivalent manganese upon catecholamines. Archibald FS, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):638–50

Electron paramagnetic resonance and spectrophotometric studies of the peroxide compounds of manganese–substituted horseradish peroxidase, cytochrome–c peroxidase and manganese–porphyrin model complexes. Hori H, et al. **Biochim Biophys Acta** 1987 Mar 18;912(1):74–81

Manganese–deoxyribonucleic acid binding modes. Nuclear magnetic relaxation dispersion results. Kennedy SD, et al. **Biophys J** 1986 Oct;50(4):669–76

Preparation and characterization of magnetic hen egg white beads containing coimmobilized glucose oxidase, magnetite and MnO2. Kubal BS, et al. **Indian J Biochem Biophys** 1986 Aug;23(4):240–1

Chemical properties of water–soluble porphyrins. 5. Reactions of some manganese (III) porphyrins with the superoxide and other reducing radicals. Weinraub D, et al. **Int J Radiat Biol** 1986 Oct;50(4):649–58

The tetranuclear manganese complex of Photosystem II. Brudvig GW. **J Bioenerg Biomembr** 1987 Apr;19(2):91–104 (75 ref.)

Studies of the reactivity of trolox with Mn3+/Fe3+ complexes by pulse radiolysis. Cabelli DE, et al. **J Free Radic Biol Med** 1986;2(1):71–5

The anomalous relaxivity of Mn3+ (TPPS4). Koenig SH, et al. **Magn Reson Med** 1987 Mar;4(3):252–60

[Preparation of a manganese chloride solution from a preparation with an unknown water content] Vakushevskaia IN, et al. **Lab Delo** 1987;(5):337–8 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Effect of manganese on prevention of atherosclerosis in cholesterol fed rabbits. Kumawat DC, et al. **J Assoc Physicians India** 1986 Oct;34(10):704–5

ADVERSE EFFECTS

Epidemiological survey among workers exposed to manganese: effects on lung, central nervous system, and some biological indices [published erratum appears in Am J Ind Med 1987;12(1):119–20] Roels H, et al. **Am J Ind Med** 1987;11(3):307–27

Relationship between external and internal parameters of exposure to manganese in workers from a manganese oxide and salt producing plant. Roels H, et al. **Am J Ind Med** 1987;11(3):297–305

[Biological aspects of occupational exposure to cadmium and several other metals] Lauweryns R, et al. **Rev Epidemiol Sante Publique** 1986;34(4–5):280–5 (Eng. Abstr.) **(Fre)**

[Effect of long-term exposure to high manganese levels in the air of the work area on the content of various immunoproteins in the blood] Jonderko G, et al. **Med Pr** 1986;37(3):162–6 (Eng. Abstr.) **(Pol)**

ANALYSIS

Environmental source of manganese on Groote Eylandt, northern Australia [letter] Cawte J, et al. **Lancet** 1987 Jun 27;1(8548):1484

Effect of manganese on human placental spin–lattice (T1) and spin–spin (T2) relaxation times. Angtuaco TL, et al. **Physiol Chem Phys Med NMR** 1986;18(1):41–8

Atmospheric pollution in the Venice area. II. Iron, manganese, lead, vanadium and cadmium in suspended particulate. Bertolaccini MA, et al. **Sci Total Environ** 1986 Dec 1;57:7–17

Total mercury, organic mercury, copper, manganese, selenium, and zinc in Sarda sarda from the Gulf of Genoa. Capelli R, et al. **Sci Total Environ** 1987 May;63:83–99

[Manganese, copper, iron and molybdenum in the early secretion of human colostrum] Vega-Franco L, et al. **Bol Med Hosp Infant Mex** 1987 Feb;44(2):86–91 (Eng. Abstr.) **(Spa)**

BLOOD

Analysis of whole blood manganese by flameless atomic absorption spectrophotometry and its use as an indicator of manganese status in animals. Clegg MS, et al. **Anal Biochem** 1986 Aug 15;157(1):12–8

Atomic absorption spectrophotometry of manganese in plasma. Casey CE, et al. **Clin Chem** 1987 Jul;33(7):1253–4

Plasma and erythrocyte copper, zinc, manganese and magnesium concentrations in Wilson's disease. Goto I, et al. **Clin Neurol Neurosurg** 1986;88(3):193–6

A one-to-one $Mg2+$:$Mn2+$ exchange in rat erythrocytes. Féray JC, et al. **J Biol Chem** 1987 Apr 25;262(12):5763–8

Association of low blood manganese concentrations with epilepsy. Carl GF, et al. **Neurology** 1986 Dec;36(12):1584–7

DEFICIENCY

Alterations of pancreatic digestive enzyme content in the manganese-deficient rat. Brannon PM, et al. **J Nutr** 1987 Feb;117(2):305–11

Manganese balance and clinical observations in young men fed a manganese-deficient diet. Friedman BJ, et al. **J Nutr** 1987 Jan;117(1):133–43

Altered high density lipoprotein composition in manganese-deficient Sprague–Dawley and Wistar rats. Kawano J, et al. **J Nutr** 1987 May;117(5):902–6

Genes, manganese, and zinc in formation of otoconia: labeling, recovery, and maternal effects. Erway LC, et al. **Scan Electron Microsc** 1986;(Pt 4):1681–94

DIAGNOSTIC USE

Magnetic resonance imaging of monkey placenta with manganese enhancement. Kay HH, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):185–9

Presence of unsedimented precipitate in visually non-turbid supernates in the heparin–manganese method for HDL-cholesterol quantitation. Kiss Z, et al. **Clin Biochem** 1986 Aug;19(4):209–11

Paramagnetic complexes of manganese(II), iron(III), and gadolinium(III) as contrast agents for magnetic resonance imaging. The influence of stability constants on the biodistribution of radioactive aminopolycarboxylate complexes. Fornasiero D, et al. **Invest Radiol** 1987 Apr; 22(4):322–7

Ingested manganese chloride as a contrast agent for magnetic resonance imaging. Cory DA, et al. **Magn Reson Imaging** 1987;5(1):65–70

Studies of factors affecting the design of NMR contrast agents: manganese in blood as a model system. Kang YS, et al. **Magn Reson Med** 1984 Sep;1(3):396–409

Magnetic field dependence of solvent proton relaxation induced by $Gd3+$ and $Mn2+$ complexes. Koenig SH, et al. **Magn Reson Med** 1984 Dec;1(4):496–501

METABOLISM

Manganese absorption and metabolism in man. Sandström B, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:60–2

Strontium, barium, and manganese metabolism in isolated presynaptic nerve terminals. Rasgado-Flores H, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):C604–10

Mn(II) oxidation is the principal function of the extracellular Mn-peroxidase from Phanerochaete chrysosporium. Glenn JK, et al. **Arch Biochem Biophys** 1986 Dec;251(2):688–96

The binding of $Mn2+$ to bovine plasma protein C, des(1–41)-light chain protein C, and activated des(1–41)-light chain activated protein C. Hill KA, et al. **Arch Biochem Biophys** 1987 Apr;254(1):196–202

Evidence that divalent cations bind to diphtheria toxin: an ESR approach. Basosi R, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):991–5

Independent bindings of $Mn2+$ and $Mg2+$ to the active site of B. cereus glutamine synthetase. Nakano Y, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):475–82

Observation of manganese(II)-ligand superhyperfine couplings in complexes with proteins by electron spin–echo spectroscopy. LoBrutto R, et al. **Biochemistry** 1986 Sep 23;25(19):5654–60

Structure of the oxalate-ATP complex with pyruvate kinase: ATP as a bridging ligand for the two divalent cations. Lodato DT, et al. **Biochemistry** 1987 Apr 21;26(8):2243–50

Studies on the mechanism of selective retention of porphyrins and metalloporphyrins by cancer cells. Megnin F, et al. **Biochim Biophys Acta** 1987 Jul 6;929(2):173–81

Effect of ruthenium red upon $Ca2+$ and $Mn2+$ uptake in Saccharomyces cerevisiae. Comparison with the effect of $La3+$. van der Pal RH, et al. **Biochim Biophys Acta** 1987 Aug 7;902(1):19–23

Magnetic resonance studies of Mn(II)-, Mn(III)-, and Fe(III)-conalbumin complexes. Villafranca JJ, et al. **Bioinorg Chem** 1976;6(3):233–45

The relationship between the chromophore moiety and the cation binding sites in bacteriorhodopsin. Duñach M, et al. **Biosci Rep** 1986 Nov;6(11):961–6

Effect of iron upon cadmium–manganese and cadmium–iron interaction. Gruden N, et al. **Bull Environ Contam Toxicol** 1987 Jun;38(6):969–74

Cadmium–manganese interaction in the rat's duodenum. Gruden N. **Environ Res** 1987 Jun;43(1):19–23

Characterisation of the metal–ion–GDP complex at the active sites of transforming and nontransforming p21 proteins by observation of the 17O–Mn superhyperfine coupling and by kinetic methods. Feuerstein J, et al. **Eur J Biochem** 1987 Jan 2;162(1):49–55

Model complexes suggest certain S-state changes of the photosynthetic water-oxidation enzyme may involve an Mn(II)–Mn(III) transition. Vincent JB, et al. **FEBS Lett** 1986 Oct 27;207(2):250–2

The manganese(II) economy of rat hepatocytes. Schramm VL, et al. **Fed Proc** 1986 Nov;45(12):2817–20

Role of manganese in chronic hemodialysis patients. Hosokawa S, et al. **Int J Artif Organs** 1987 Jan;10(1):14–6

Characterization of extracellular $Mn2+$-oxidizing activity and isolation of an $Mn2+$-oxidizing protein from Leptothrix discophora SS-1. Adams LF, et al. **J Bacteriol** 1987 Mar;169(3):1279–85

Manganese oxidation by Leptothrix discophora. Boogerd FC, et al. **J Bacteriol** 1987 Feb;169(2):489–94

Manganese transport in Brevibacterium ammoniagenes ATCC 6872. Schmid J, et al. **J Bacteriol** 1987 Jul; 169(7):3385–7

Extended X-ray absorption fine structure of $Mn2+$ and $Mn2+$ X ATP complex bound to coupling factor 1 of the H+-ATPase from chloroplasts. Carmeli C, et al. **J Biol Chem** 1986 Dec 25;261(36):16969–75

Topographical relationships between the monovalent and divalent cation binding sites of des-1–41-light chain bovine plasma protein C and des-1–41-light chain-activated bovine plasma protein C. Hill KA, et al. **J Biol Chem** 1987 May 25;262(15):7105–8

Stoichiometry and dynamic interaction of metal ion activators with calcineurin phosphatase. Pallen CJ, et al. **J Biol Chem** 1986 Dec 5;261(34):16115–20

Sizes of Mn-binding sites in spinach thylakoids. Takahashi M, et al. **J Biol Chem** 1986 Dec 25;261(36):16923–6

The effect of some chelating agents on the biliary and urinary excretion of manganese in rats. Cikrt M, et al. **J Hyg Epidemiol Microbiol Immunol** 1987;31(1):31–7

Comparison of the biodistribution of manganese-54 DTPA and gadolinium-153 DTPA in dogs. Boudreau RJ, et al. **J Nucl Med** 1987 Mar;28(3):349–53

Efficiency of manganese absorption in chicks fed corn-soy and casein diets. Halpin KM, et al. **J Nutr** 1986 Sep; 116(9):1747–51

Effects of iron-, manganese-, or magnesium-deficiency on the growth and morphology of Euglena gracilis. Hilt KL, et al. **J Protozool** 1987 May;34(2):192–8

Mechanism of the tissue manganese-lowering effect of corn, soybean meal, fish meal, wheat bran, and rice bran. Halpin KM, et al. **Poult Sci** 1987 Feb;66(2):332–40

Interactions of manganese(II) and small ligands with Busycon canaliculatum hemocyanin. Borke ML, et al. **Proc Natl Sci Counc Repub China [B]** 1984 Oct;8(4):319–23

Further evidence supporting the concurrent influence of aflatoxin and manganese. Katzen JS, et al. **Vet Hum Toxicol** 1987 Apr;29(2):127–32

[Effect of manganese poisoning on the levels of manganese and iron in rat viscera] López-Muñiz A, et al. **Rev Esp Fisiol** 1986 Dec;42(4):415–9 (Eng. Abstr.) **(Spa)**

[Levels of manganese and iron in the brain of normal and manganese-poisoned rats] López-Muñiz A, et al. **Rev Esp Fisiol** 1986 Dec;42(4):421–5 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Potentiation of contraction in bullfrog ventricle strips by manganese and nickel. Kavaler F, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):C52–9

Catalysis of superoxide dismutation by manganese aminopolycarboxylate complexes. Koppenol WH, et al. **Arch Biochem Biophys** 1986 Dec;251(2):594–9

Myocardial protection by micromolar manganese in the calcium paradox and additive effects of verapamil. Oksendal AN, et al. **Basic Res Cardiol** 1986 Nov–Dec; 81(6):581–93

Comparison of $Mg2+$ and $Mn2+$ as metal cofactors for histamine-stimulated adenylate cyclase in guinea pig gastric mucosa. Barker LA, et al. **Biochem Pharmacol** 1987 Jun 1;36(11):1847–8

Euglena gracilis chromatin: comparison of effects of zinc, iron, magnesium, or manganese deficiency and cold shock. Falchuk KH, et al. **Biochemistry** 1986 Sep 23; 25(19):5388–91

Kinetics of activation of L-lactate dehydrogenase from Streptococcus faecalis by fructose 1,6-bisphosphate and by metal ions. Hardman MJ, et al. **Biochim Biophys Acta** 1987 Apr 8;912(2):185–90

Regulation of Dictyostelium discoideum adenylate cyclase by manganese and adenosine analogs. Khachatrian L, et al. **Biochim Biophys Acta** 1987 Feb 18;927(2):235–46

Cation dependence of the phosphorylation of specific residues in red cell membrane protein band 3. Vasseur C, et al. **Biochim Biophys Acta** 1987 May 12;899(1):1–8

Differential ontogeny of divalent cation effects on rat brain delta-, mu-, and kappa-opioid receptor binding. Oetting GM, et al. **Brain Res** 1987 Feb;428(2):223–7

Binding studies with rat myometrial and mammary gland membranes on effects of manganese on relative affinities of receptors for oxytocin analogs. Soloff MS, et al. **Endocrinology** 1986 Oct;119(4):1564–9

Selective actions of calcium antagonistic drugs on the haemodynamics and regional organ blood flow in rats. McCann E, et al. **Int J Tissue React** 1986;8(3):205–12

Influence of manganese on the gastrointestinal absorption of cadmium in rats. Sarhan MJ, et al. **J Appl Toxicol** 1986 Oct;6(5):313–6

ATP-$Mn2+$ stimulates the generation of a putative mediator of insulin action. Suzuki S, et al. **J Biol Chem** 1987 Mar 5;262(7):3199–204

Differences in effect of Mn(II), Fe(III), Co(II), and Zn(II) ions on trypsinogen activation. Vajda T, et al. **J Inorg Biochem** 1987 Jan;29(1):49–57

In vitro augmentation of natural killer cell activity by manganese chloride. Smialowicz RJ, et al. **J Toxicol Environ Health** 1986;19(2):243–54

Effects of manganese, calcium, magnesium, and zinc on nickel-induced suppression of murine natural killer cell activity. Smialowicz RJ, et al. **J Toxicol Environ Health** 1987;20(1–2):67–80

Inhibition of rat natural killer cell function by carcinogenic nickel compounds: preventive action of manganese. Judde JG, et al. **JNCI** 1987 Jun;78(6):1185–90

Reduced aflatoxicosis in livers of hamsters fed a manganese sulfate supplement. Hastings CE Jr, et al. **Nutr Cancer** 1987; 10(1–2):67–77

Metallothionein induction as a potent means of radiation protection in mice. Matsubara J, et al. **Radiat Res** 1987 Aug;111(2):267–75

Studies on the interaction between manganese and fenitrothion in rats. Malik JK, et al. **Toxicol Lett** 1987 May; 36(3):221–6

[Effect of $Mn2+$ and $Mg2+$ ions on DNA conformation] Kos'ianenko NA, et al. **Mol Biol (Mosk)** 1987 Jan–Feb; 21(1):140–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Redistribution of $Mn++$-dependent pyrimidine 5'-nucleotidase (MDPNase) activity during shedding and phagocytosis. Irons MJ. **Invest Ophthalmol Vis Sci** 1987 Jan;28(1):83–91

POISONING

Chronic manganese poisoning: a neuropathological study with determination of manganese distribution in the brain. Yamada M, et al. **Acta Neuropathol (Berl)** 1986; 70(3–4):273–8

Cobalt and manganese interaction in the liver of rat. Rana SV, et al. **Arh Hig Rada Toksikol** 1985 Dec;36(4):365–70

Manganism in a neurological ethnic complex in Northern Australia [letter] Cawte J, et al. **Lancet** 1987 May 30; 1(8544):1257

Manganese neurotoxicity: effects of varying oxygen tension and EDTA on dopamine auto-oxidation. Nachtman JP, et al. **Neurotoxicology** 1987 Summer;8(2):249–53

[Neurologic and electromyographic findings in chronic manganese encephalopathy] Adamkov J, et al. **Cesk Neurol Neurochir** 1986 Jul;49(4):230–5 (Eng. Abstr.) **(Slo)**

[Psychologic findings in foundry workers after long-term exposure to manganese] Sútorová D, et al. **Cesk Neurol Neurochir** 1986 Jul;49(4):236–41 (Eng. Abstr.) **(Slo)**

TOXICITY

Effects of manganese chloride on the rat developing nervous system. Kristensson K, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Nov;59(5):345–8

Effect of long-term administration of manganese on biogenic amine levels in discrete striatal regions of rat brain. Eriksson H, et al. **Arch Toxicol** 1987 Apr;59(6):426–31

Manganese rickets. A biochemical and stereologic study with special reference to the effect of phosphate. Svensson O, et al. **Clin Orthop** 1987 May;(218):302–11

The combined effect of Pb2+ and Mn2+ on monoamine uptake and Na+, K+-ATPase in striatal synaptosomes. Hussain T, et al. **J Appl Toxicol** 1987 Aug;7(4):277–80

Alteration of humoral and cellular immunity in manganese chloride-treated mice. Srisuchart B, et al. **J Toxicol Environ Health** 1987;22(1):91–9

Behavioral effects of chronic manganese administration in rats: locomotor activity studies. Nachtman JP, et al. **Neurobehav Toxicol Teratol** 1986 Nov–Dec;8(6):711–5

Effect of repeated administration of manganese on the striatal cholinergic and dopaminergic receptors in the rat. Bhargava HN. **Toxicol Lett** 1987 Jul;37(2):135–41

URINE

Homeostatic control of manganese excretion in the neonatal rat. Ballatori N, et al. **Am J Physiol** 1987 May;252(5 Pt 2):R842–7

MANGE see **MITE INFESTATIONS**

MANGE, SARCOPTIC see **SCABIES**

MANIA see **MANIC DISORDER**

MANIC-DEPRESSIVE PSYCHOSIS see **BIPOLAR DISORDER**

MANIC DISORDER

BLOOD

Lithium distribution in mania: plasma and red blood cell lithium, clinical state, and monoamine metabolites during lithium treatment. Swann AC, et al. **Psychiatry Res** 1987 Jan;20(1):1–12

Elevated plasma luteinizing hormone concentrations, cryptorchidism and mania. Whalley LJ, et al. **Psychoneuroendocrinology** 1987;12(1):73–7

CHEMICALLY INDUCED

Manic episode after propranolol withdrawal [letter] Jouvent R, et al. **Am J Psychiatry** 1986 Dec;143(12):1633

Manic-like episode following flutamide treatment [letter] Lajeunesse C, et al. **Am J Psychiatry** 1986 Nov; 143(11):1498–9

Mania induced by lithium augmentation [letter] Price LH. **Am J Psychiatry** 1987 Mar;144(3):389

Hypomania following withdrawal of trazodone [letter] Theilman SB, et al. **Am J Psychiatry** 1986 Nov; 143(11):1482–3

Trazodone-induced mania. Knobler HY, et al. **Br J Psychiatry** 1986 Dec;149:787–9

Appearance of mania in drug-resistant bipolar depressed patients after treatment with L-triiodothyronine. Evans DL, et al. **J Clin Psychiatry** 1986 Oct;47(10):521–2

Hypomania related to phenelzine and isoetharine interaction in one patient. Goldman LS, et al. **J Clin Psychiatry** 1987 Apr;48(4):170

A case of alprazolam, but not lorazepam, inducing manic symptoms. Goodman WK, et al. **J Clin Psychiatry** 1987 Mar;48(3):117–8

Methylphenidate-induced mania in a prepubertal child. Koehler-Troy C, et al. **J Clin Psychiatry** 1986 Nov; 47(11):566–7

Mania and indomethacin [letter] Bishop LC, et al. **J Clin Psychopharmacol** 1987 Jun;7(3):203–4

Manic state with carbamazepine therapy of seizures. Drake ME Jr, et al. **J Natl Med Assoc** 1986 Nov;78(11):1105–7

Acute manic psychosis following the dermal application of N,N-diethyl-m-toluamide (DEET) in an adult. Snyder JW, et al. **J Toxicol Clin Toxicol** 1986;24(5):429–39

Secondary mania: aggravation of a sub-clinical condition. Hoaken PC. **Psychiatr J Univ Ottawa** 1987 Mar;12(1):47–8

Do antidepressants cause mania? Wehr TA, et al. **Psychopharmacol Bull** 1987;23(1):61–5

Mania induced by antidepressant withdrawal [letter] Dilsaver SC, et al. **Psychosomatics** 1986 Nov;27(11):798–9

COMPLICATIONS

Is mania really incompatible with Down's syndrome? [letter] Singh I, et al. **Br J Psychiatry** 1986 May;148:613–4

DIAGNOSIS

The significance of past mania or hypomania in the course and outcome of major depression. Coryell W, et al. **Am J Psychiatry** 1987 Mar;144(3):309–15

Schizoaffective mania reconsidered. Levinson DF, et al. **Am J Psychiatry** 1987 Apr;144(4):415–25 (73 ref.)

Diagnosis and treatment of mixed mania. Secunda SK, et al. **Am J Psychiatry** 1987 Jan;144(1):96–8

Mania in prepubertal children: has it been underdiagnosed? Weller RA, et al. **J Affective Disord** 1986 Sep–Oct; 11(2):151–4

Use of the personality inventory for children as an aid in differentiating children with mania from children with attention deficit disorder with hyperactivity. Nieman GW, et al. **J Am Acad Child Adolesc Psychiatry** 1987 May; 26(3):381–8

Mania in adolescence. Hsu LK, et al. **J Clin Psychiatry** 1986 Dec;47(12):596–9

The problem with parsimony: mania and hyperthyroidism. Walter-Ryan WG, et al. **J Clin Psychiatry** 1987 Jul; 48(7):289–90

Predictability of course of illness in manic patients positive for life events. Ambelas A, et al. **J Nerv Ment Dis** 1986 Nov;174(11):693–5

Normal pressure hydrocephalus presenting as mania. Kwentus JA, et al. **J Nerv Ment Dis** 1987 Aug;175(8):500–2

MMPI predictors of mania among psychiatric inpatients. Post RD, et al. **J Pers Assess** 1986 Summer;50(2):248–56

Catatonia [letter] **Lancet** 1986 Nov 22;2(8517):1224

A clinical assessment and documentation template for psychopharmacology research. Rhoades HM, et al. **Psychopharmacol Bull** 1987;23(2):272–8

[Mania of bereavement. Clinical characteristics and meaning] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1987 Jan; 145(1):72–7 **(Fre)**

[Clinico-psychological examination of children with protracted hypomanic conditions in schizophrenia] Alelnikova SM, et al. **Zh Nevropatol Psikhiatr** 1986; 86(10):1551–5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Zuclopenthixol acetate in Viscoleo—a new drug formulation. An open Nordic multicentre study of zuclopenthixol acetate in Viscoleo in patients with acute psychoses including mania and exacerbation of chronic psychoses. Amdisen A, et al. **Acta Psychiatr Scand** 1987 Jan; 75(1):99–107

Lithium therapy for affective disorders. Schvehla TJ, et al. **Am Fam Physician** 1987 Jul;36(1):169–75

Comparison of clonidine and lithium in the treatment of mania. Giannini AJ, et al. **Am J Psychiatry** 1986 Dec; 143(12):1608–9

Efficacy of clonidine in 24 patients with acute mania. Hardy MC, et al. **Am J Psychiatry** 1986 Nov;143(11):1450–3

Haloperidol as an alternative to lithium in pregnant women [letter] Van Gent EM, et al. **Am J Psychiatry** 1987 Sep; 144(9):1241

Lithium carbonate treatment of mania. Cerebrospinal fluid and urinary monoamine metabolites and treatment outcome. Swann AC, et al. **Arch Gen Psychiatry** 1987 Apr; 44(4):345–54

Remoxipride in the treatment of acute mania. Chouinard G, et al. **Biol Psychiatry** 1986 Dec;21(14):1429–33

Hypoglycemic effect of lithium [letter] Hunt NJ. **Biol Psychiatry** 1987 Jun;22(6):798–9

Treatment of mania with the cholinomimetic agent RS 86 [letter] Krieg JC, et al. **Br J Psychiatry** 1986 May;148:613

Neuroleptic malignant syndrome. Perera HV. **Ceylon Med J** 1986 Dec;31(4):197–8

Antimanic effects of the calcium-antagonist D600. A double-blind placebo-controlled study. Aldenhoff JB, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:553–5

Cholinergic influence on manic symptoms. Krieg JC, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:544–6

Carbamazepine treatment of mania: clinical and biochemical aspects. Post R, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:547–9

Verapamil: a new antimanic drug with potential interactions with lithium. Dubovsky SL, et al. **J Clin Psychiatry** 1987 Sep;48(9):371–2

Clonidine and verapamil in the treatment of mania [letter] Giannini AJ, et al. **J Clin Psychiatry** 1986 Nov;47(11):570

Carbamazepine versus lithium in mania: a double-blind study. Lerer B, et al. **J Clin Psychiatry** 1987 Mar;48(3):89–93

Verapamil in treatment-resistant mania: an open trial. Barton BM, et al. **J Clin Psychopharmacol** 1987 Apr;7(2):101–3

Pharmacological management of manic psychosis in an unlocked setting. Cohen S, et al. **J Clin Psychopharmacol** 1987 Aug;7(4):261–4

Treatment of acute mania with verapamil [letter] Patterson JF. **J Clin Psychopharmacol** 1987 Jun;7(3):206–7

Maintenance lithium [letter] **Lancet** 1987 Mar 21;1(8534):680

An old treatment for mania [letter] Olfson M. **Lancet** 1987 Jul 25;2(8552):221–2

Findings with cis-Z-clopenthixol in the treatment of acute mania and schizophrenia. König P, et al. **Pharmacopsychiatry** 1986 Nov;19(6):424–8

Is there a common denominator for the antimanic effect of lithium and anticonvulsants? Waldmeier PC. **Pharmacopsychiatry** 1987 Mar;20(2):37–47

The calcium entry blockers: anti-manic drugs? Renwart N, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1986; 10(6):717–22

Correlates of antimanic response to carbamazepine. Post RM, et al. **Psychiatry Res** 1987 May;21(1):71–83

Sources of lithium resistance in mixed mania. Himmelhoch JM, et al. **Psychopharmacol Bull** 1986;22(3):613–20

Expressed emotion, maintenance pharmacotherapy, and schizophrenic relapse among Mexican-Americans. Jenkins JH, et al. **Psychopharmacol Bull** 1986;22(3):621–7

Expressed emotion, affective style, lithium compliance, and relapse in recent onset mania. Miklowitz DJ, et al. **Psychopharmacol Bull** 1986;22(3):628–32

A cutaneous disorder (Darier's disease) evidently exacerbated by lithium carbonate. Clark RD Jr, et al. **Psychosomatics** 1986 Nov;27(11):800–1

[Therapeutic effect of carbamazepine in 55 cases of mania] Xu LX. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1987 Apr; 20(2):75–7 (Eng. Abstr.) **(Chi)**

ETIOLOGY

Causable mania (reactive, puerperal, secondary, life event related). The development of an idea. Ambelas A. **Acta Psychiatr Scand** 1987 Mar;75(3):225–30 (45 ref.)

Sleep reduction: factor in the genesis of mania? [letter] Gillin JC. **Am J Psychiatry** 1987 Sep;144(9):1248–9

Mania following head trauma. Shukla S, et al. **Am J Psychiatry** 1987 Jan;144(1):93–6

Sleep reduction as a final common pathway in the genesis of mania [published erratum appears in Am J Psychiatry 1987 Apr;144(4):542] Wehr TA, et al. **Am J Psychiatry** 1987 Feb;144(2):201–4

Mania after brain injury. A controlled study of causative factors. Starkstein SE, et al. **Arch Neurol** 1987 Oct; 44(10):1069–73

Mania following bereavement [letter] **Br J Psychiatry** 1986 Jul;149:123–4

Threatening life events in the onset of schizophrenia, schizophreniform psychosis and hypomania. Chung RK, et al. **Br J Psychiatry** 1986 Jun;148:680–5

Seasonal hypomania in a patient with cold urticaria. Harvey NS, et al. **Br J Psychiatry** 1986 Aug;149:238–41

Hypomania following cognitive therapy [letter] Kingdon DG, et al. **Br J Psychiatry** 1986 Sep;149:383–4

Mania associated with electroconvulsive therapy [letter] Andrade C, et al. **J Clin Psychiatry** 1987 Jul;48(7):303–4

Manic syndrome following head injury: another form of secondary mania. Riess H, et al. **J Clin Psychiatry** 1987 Jan;48(1):29–30

Mania as a manifestation of end-stage renal disease. el-Mallakh RS, et al. **J Nerv Ment Dis** 1987 Apr; 175(4):243–5

The induction of mania: a natural history study with controls. Lewis JL, et al. **Psychopharmacol Bull** 1987;23(1):74–8

Psychosis and water intoxication as presenting symptoms of pulmonary carcinoma. Grant BL, et al. **Psychosomatics** 1986 Oct;27(10):732–3

Mania as a symptom of multiple sclerosis. Kwentus JA, et al. **Psychosomatics** 1986 Oct;27(10):729–31

[Mania of bereavement or iatrogenic mania?] Sizaret P, et al. **Ann Med Psychol (Paris)** 1987 Jan;145(1):70–1 **(Fre)**

[Induction of mania or the model of affective kindling] de la Gándara Martín JJ, et al. **Arch Neurobiol (Madr)** 1987 Mar–Apr;50(2):117–32 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Birth-cohort changes in manic and depressive disorders in relatives of bipolar and schizoaffective patients. Gershon ES, et al. **Arch Gen Psychiatry** 1987 Apr;44(4):314–9

IMMUNOLOGY

Personality and immunity: depressive tendencies versus manic and schizophrenic tendencies. Kunzendorf RG, et al. **Psychol Rep** 1986 Oct;59(2 Pt 1):622

METABOLISM

Effect of lithium administration on rat brain 5-hydroxyindole levels in a possible animal model for mania. Vale AL, et al. **Psychopharmacology (Berlin)** 1987;91(3):352–5

PHYSIOPATHOLOGY

Computer simulations of neural information processing and the schizophrenia-mania dichotomy. Hoffman RE. **Arch Gen Psychiatry** 1987 Feb;44(2):178–88

PREVENTION & CONTROL

Sedative or antimanic effects of carbamazepine and treatment of behavioral dyscontrol [letter] Greenberg WM. **Am J Psychiatry** 1986 Nov;143(11):1486–7

Is there a lithium withdrawal syndrome? Mander AJ. **Br J Psychiatry** 1986 Oct;149:498–501

Does maintenance lithium therapy prevent recurrences of mania under ordinary clinical conditions? Dickson WE, et al. **Psychol Med** 1986 Aug;16(3):521–30

PSYCHOLOGY

Comparative studies of thought disorders. I. Mania and schizophrenia. Solovay MR, et al. **Arch Gen Psychiatry** 1987 Jan;44(1):13–20

Psychosis and polydipsia [letter] Turnbull GJ. **Biol Psychiatry** 1986 Dec;21(14):1439–40

An "economic" theory of addiction, hypomania, and sensation seeking. Marvel GA, et al. **Int J Addict** 1986 Apr–May; 21(4–5):495–508

Effects of mood and severity on memory processes in depression and mania. Johnson MH, et al. **Psychol Bull** 1987 Jan;101(1):28–40

Positive and negative symptoms in schizophrenia: attentional performance correlates. Walker E, et al. **Psychopathology** 1986;19(6):294–302

[Toward a new approach to mania] Hardy MC. **Ann Med Psychol (Paris)** 1986 Apr;144(4):357–73 (Eng. Abstr.) **(Fre)**

[Psychoanalytic aspects of depression, including mania] Battegay R. **Z Psychosom Med Psychoanal** 1987; 33(2):171–90 (Eng. Abstr.) **(Ger)**

THERAPY

Changing trends in first admissions and readmissions for

mania and schizophrenia in New Zealand, 1974 to 1984. Joyce PR. **Aust NZ J Psychiatry** 1987 Mar;21(1):82–6
The calming effects of negative air ions on manic patients: a pilot study. Misiaszek J, et al. **Biol Psychiatry** 1987 Jan; 22(1):107–10
Treatment of mania: a naturalistic study of electroconvulsive therapy versus lithium in 438 patients. Black DW, et al. **J Clin Psychiatry** 1987 Apr;48(4):132–9

URINE

Urinary phenylethylamine correlates positively with hypomania, and negatively with depression, paranoia, and social introversion on the MMPI. Moises HW, et al. **Eur Arch Psychiatry Neurol Sci** 1986;236(2):83–7

MANIC STATE see **MANIC DISORDER**

MANIFEST ANXIETY SCALE see under **PERSONALITY INVENTORY**

MANIKINS see under **MODELS, ANATOMIC**

MANIPULATION, ORTHOPEDIC

Osteopathy in back trouble. Burton AK. **Br Med J [Clin Res]** 1986 Dec 6;293(6560):1482–3
Manipulation in back disorders. Grayson MF. **Br Med J [Clin Res]** 1986 Dec 6;293(6560):1481–2
A limited role for manipulation [editorial] Jayson MI. **Br Med J [Clin Res]** 1986 Dec 6;293(6560):1454–5
Is proper body positioning OMT? [letter] Lee RP. **J Am Osteopath Assoc** 1986 Sep;86(9):537–8
Evaluation of two manipulative techniques in the treatment of postexercise muscle soreness. Molea D, et al. **J Am Osteopath Assoc** 1987 Jul;87(7):477–83
Analysis of the joint crack by simultaneous recording of sound and tension. Méal GM, et al. **J Manipulative Physiol Ther** 1986 Sep;9(3):189–95
A comparison of the effectiveness of spinal manipulative therapy for low back pain patients with and without spondylolisthesis. Mierau D, et al. **J Manipulative Physiol Ther** 1987 Apr;10(2):49–55
Spinal manipulative therapy [letter] Ivey TL. **Postgrad Med** 1987 Apr;81(5):47
Appropriate statistical methods for clinical trials of spinal manipulation. Hoehler FK, et al. **Spine** 1987 May; 12(4):409–11
Efficacy of spinal manipulation/mobilization: a meta-analysis [letter] Vernon H, et al. **Spine** 1986 Nov;11(9):973–4
Manipulative therapy for low back pain [letter] Madorsky AG, et al. **West J Med** 1986 Oct;145(4):521
[Changes in synkinetic sagittal segmental hypermotility after manipulation in cervical spine block] Jirout J. **Cesk Neurol Neurochir** 1986 Nov;49(6):402–4 (Eng. Abstr.) **(Cze)**
[The significance of manual medicine in general practice] Fröhlich R. **Ther Umsch** 1986 Aug;43(8):658–62 (Eng. Abstr.) **(Ger)**
[Manual therapy of thoracalgia with autonomic-visceral manifestations] Voĭtanik SA. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Sep–Oct;(5):35–8 (Eng. Abstr.) **(Rus)**
[Value of manual therapy in the complex treatment of patients with neurologic manifestations of cervical osteochondrosis] Drobinskiĭ AD, et al. **Zh Nevropatol Psikhiatr** 1987; 87(4):533–6 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Thoracic disk herniation associated with chiropractic spinal manipulation [letter] Lanska DJ, et al. **Arch Neurol** 1987 Oct;44(10):996–7
Pathogenesis of vertebral artery occlusion following cervical spine manipulation. Sherman MR, et al. **Arch Pathol Lab Med** 1987 Sep;111(9):851–3
Complications of cervical manipulation: a case report of fatal brainstem infarct with review of the mechanisms and predisposing factors. Jentzen JM, et al. **J Forensic Sci** 1987 Jul;32(4):1089–94
[Apropos of a badly reduced traumatic dislocation of the hip in a child (letter)] Llagonne B, et al. **J Chir (Paris)** 1987 Jan;124(1):57–8 **(Fre)**

METHODS

A limited role for manipulation? [letter] **Br Med J [Clin Res]** 1987 Jan 17;294(6565):177
Treatment of lumbar intervertebral disc protrusions by manipulation. Kuo PP, et al. **Clin Orthop** 1987 Feb; (215):47–55
[Observations on somatosensory evoked potential changes before and after traditional manipulation for cervical radiculo-spondylosis] Gu H. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Dec;6(12):734–6, 709–10 (Eng. Abstr.) **(Chi)**
[Elimination of the knee joint blockade in meniscal injuries] Mitel'man NIu. **Ortop Travmatol Protez** 1987 Apr;(4):57–8 **(Rus)**
[1-stage closed manual reduction of a posterior transdental dislocation of the atlas] Nekhlopochin SN. **Ortop Travmatol Protez** 1986 Aug;(8):59–60 **(Rus)**
[Manual therapy of various forms of auditory function disorders caused by pathology of the cervical spine] Svatko LG, et al. **Vestn Otorinolaringol** 1987 Mar–Apr;(2):28–31 (Eng. Abstr.) **(Rus)**

MANNANS

Nutritional risk of high-carbohydrate, guar gum dietary supplementation in non-insulin-dependent diabetes mellitus. Van Duyn MA, et al. **Diabetes Care** 1986 Sep–Oct; 9(5):497–503

ADMINISTRATION & DOSAGE

Beneficial effects of palatable guar and guar plus fructose diets in diabetic children. Paganus A, et al. **Acta Paediatr Scand** 1987 Jan;76(1):76–81
The effect of dietary protein source and guar gum on gastrointestinal growth and enteroglucagon secretion in the rat. Southon S, et al. **Br J Nutr** 1987 Jul;58(1):65–72
Low dose guar in a novel food product: improved metabolic control in non-insulin-dependent diabetes. Peterson DB, et al. **Diabetic Med** 1987 Mar–Apr;4(2):111–5
Diabetic control is improved by guar gum and wheat bran supplementation. Vaaler S, et al. **Diabetic Med** 1986 May; 3(3):230–3
[Evaluation of a new therapy (beidellian montmorillonite—guar gum) in the treatment of constipation] Pergola F. **Ann Gastroenterol Hepatol (Paris)** 1987 Jan–Feb;23(1):43–6 **(Fre)**
[Comparison of isolated (guar) and natural (Müsli) dietary fiber in the treatment of type II diabetes] Willms B, et al. **Med Klin** 1987 Jun 5;82(12–13):429–31 (Eng. Abstr.) **(Ger)**

ANALYSIS

Structural study of phosphomannan-protein complex of Citeromyces matritensis containing beta-1,2 linkage. Application of partial acid degradation and acetolysis techniques under mild conditions. Kobayashi H, et al. **Arch Biochem Biophys** 1987 Jul;256(1):381–96
The glucomannan system from Aloe vahombe (liliaceae). III. Comparative studies on the glucomannan components isolated from the leaves. Vilkas E, et al. **Biochimie** 1986 Sep;68(9):1123–7
Enzyme-linked immunosorbent assay for several mannans. Mikami T, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep; 34(9):3933–5

CHEMICAL SYNTHESIS

Lysosomal-enzyme targeting: the phosphorylation of synthetic D-mannosyl saccharides by UDP-N-acetyl-glucosamine:lysosomal-enzyme N-acetylglucosamine-phosphotransferase from rat-liver microsomes and fibroblasts. Madiyalakan R, et al. **Carbohydr Res** 1986 Sep 1;152:183–94

IMMUNOLOGY

Contribution of the mannan O side-chains to the adjuvant action of lipopolysaccharides. Ohta M, et al. **Immunology** 1987 Apr;60(4):503–7
Detection of galactomannan antigenemia by enzyme immunoassay in experimental invasive aspergillosis. de Repentigny L, et al. **J Clin Microbiol** 1987 May;25(5):863–7
Monoclonal antibodies against Candida tropicalis mannan: antigen detection by enzyme immunoassay and immunofluorescence. Reiss E, et al. **J Clin Microbiol** 1986 Nov;24(5):796–802
Galactomannan antigenemia and antigenuria in aspergillosis: studies in patients and experimentally infected rabbits. Dupont B, et al. **J Infect Dis** 1987 Jan;155(1):1–11
Protective effect of acidic mannan fraction of bakers' yeast on experimental candidiasis in mice. Okawa Y, et al. **Microbiol Immunol** 1986;30(10):957–67
Heterogeneous enzyme immunoassay: detection of anti-Candida albicans specific Ig-isotypes and mannan antigen. Paulovičová E, et al. **Mykosen** 1986 Sep; 29(9):393–8

ISOLATION & PURIFICATION

Characterization of phosphomannan-protein complexes isolated from viable cells of yeast and mycelial forms of Candida albicans NIH B-792 strain by the action of Zymolyase-100T. Shibata N, et al. **Arch Biochem Biophys** 1986 Dec;251(2):697–708
Purification and characterization of a new peptide-mannan, SP-I, as a gastric secretion-inhibitory principle from autolysate of brewer's yeast. Mimura T, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug;34(8):3312–9
Lipoarabinomannan and lipid-free arabinomannan antigens of Mycobacterium paratuberculosis. Sugden EA, et al. **Infect Immun** 1987 Mar;55(3):762–70

METABOLISM

The carbohydrate specificity of conglutinin and its homology to proteins in the hepatic lectin family. Young NM, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):645–51
Guar gum: the importance of reporting data on its physico-chemical properties. Ellis PR, et al. **Diabetic Med** 1986 Sep–Oct;3(5):490–1
Receptor-mediated clearance of Aspergillus galactomannan. Bennett JE, et al. **J Infect Dis** 1987 May;155(5):1005–10

PHARMACODYNAMICS

Effect of mannozym on the chemiluminescence of phagocytes. Sipka S, et al. **Acta Microbiol Hung** 1986; 33(3):263–70
The effect of prolonged dietary supplementation with guar gum on subsequent iron absorption and retention in rats. Swindell TE, et al. **Br J Nutr** 1987 Mar;57(2):245–53
Separation of immunomodulatory effects of mannan from Candida albicans into stimulatory and suppressive components. Domer JE, et al. **Cell Immunol** 1986 Sep; 101(2):403–14
Correlation between tumor cell cytotoxicity and serine protease activity of peritoneal macrophages from mice treated with bakers' yeast mannans. Okawa Y, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar;35(3):1138–43
Food and guar decrease absorption of trimethoprim. Hoppu K, et al. **Eur J Clin Pharmacol** 1987;32(4):427–9
The effects of soluble Saccharomyces cerevisiae mannan on the phagocytosis of Candida albicans by mouse peritoneal macrophages in vitro. Kolotila MP, et al. **J Med Vet Mycol** 1987 Apr;25(2):85–96
Unstirred water layers in rabbit intestine: effects of guar gum. Cerda JJ, et al. **JPEN J Parenter Enteral Nutr** 1987 Jan–Feb;11(1):63–6
The effect of guar gum on the acute metabolic response to glyburide. Huupponen R. **Res Commun Chem Pathol Pharmacol** 1986 Oct; 54(1):137–40
[Effect of dietary fiber (guar gum) on post-prandial blood glucose and blood insulin metabolism in the morning] Ceffa C, et al. **Minerva Dietol Gastroenterol** 1987 Jan–Mar; 33(1):83–7 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Effect of guar gum on the arterial blood pressure. Krotkiewski M. **Acta Med Scand** 1987;222(1):43–9
The influence of guar-gum bread on the regulation of diabetes mellitus type II in elderly patients. Sels JP, et al. **Br J Nutr** 1987 Mar;57(2):177–83
No glycemic benefit from guar administration in NIDDM. Holman RR, et al. **Diabetes Care** 1987 Jan–Feb;10(1):68–71
The treatment of poorly controlled non-insulin-dependent diabetic subjects with granulated guar gum. Atkins TW, et al. **Diabetes Res Clin Pract** 1987 May-Jun;3(3):153–9
Guar: pharmacological fibre or food fibre? Peterson DB, et al. **Diabetic Med** 1985 Sep;2(5):345–7 (25 ref.)
Guar incorporated diet in maturity onset diabetes mellitus. Shah DR, et al. **J Assoc Physicians India** 1986 May; 34(5):353–4
Relationship between changes in GIP concentrations and changes in insulin and C-peptide concentrations after guar gum therapy. Groop PH, et al. **Scand J Clin Lab Invest** 1986 Oct;46(6):505–10
[Does guar gum really provide a plus in the treatment of type II diabetes? (Myth or reality)] Huet D, et al. **Journ Annu Diabetol Hotel Dieu** 1987;:237–45 **(Fre)**

MANNICH BASES see under **AMINES**

MANNITOL

The effects of cooling rate on solid phase transitions and associated vial breakage occurring in frozen mannitol solutions. Williams NA, et al. **J Parenter Sci Technol** 1986 Jul-Aug;40(4):135–41
The relative buffering power of cardioplegic solutions. Kresh JY, et al. **J Thorac Cardiovasc Surg** 1987 Feb;93(2):309–11
Hypoxanthine and xanthine in stored SAGM-blood. Andersen PT, et al. **Scand J Haematol** 1986 Jul;37(1):59–62
Intracellular pH measurement during cardiac arrest in ventricular myocardium by Bretschneider's cardioplegic solution HTK and St. Thomas Hospital solution with and without procaine. Heinemeyer D, et al. **Thorac Cardiovasc Surg** 1987 Feb;35(1):48–52

ADMINISTRATION & DOSAGE

Chemotherapy administered in conjunction with osmotic blood-brain barrier modification in patients with brain metastases. Neuwelt EA, et al. **J Neurooncol** 1987; 4(3):195–207
Effect on intracranial pressure of furosemide combined with varying doses and administration rates of mannitol. Roberts PA, et al. **J Neurosurg** 1987 Mar;66(3):440–6
Increased delivery of tumor-specific monoclonal antibodies to brain after osmotic blood-brain barrier modification in patients with melanoma metastatic to the central nervous system. Neuwelt EA, et al. **Neurosurgery** 1987 Jun; 20(6):885–95
[Doses of oral mannitol for intestinal evacuation] Wu XY, et al. **Chung Hua Hu Li Tsa Chih** 1986 Nov;21(8):360–1 **(Chi)**
[Hemodynamic effects of an osmotic bolus for the reversible opening of the blood-brain barrier] Hiesmayr M, et al. **Schweiz Med Wochenschr** 1987 Mar 21;117(12):450–4 (Eng. Abstr.) **(Ger)**
[Reversible opening of the blood-brain barrier in the chemotherapy of malignant gliomas] Heimberger K, et al. **Wien Klin Wochenschr** 1987 May 29;99(11):385–8 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Maculopathy associated with combination chemotherapy and osmotic opening of the blood–brain barrier. Millay RH, et al. **Am J Ophthalmol** 1986 Nov 15;102(5):626–32
Mannitol intoxication. **J Tenn Med Assoc** 1987 Apr;80(4):221

ANALOGS & DERIVATIVES

A comparative study of dibromomannitol and busulfan in the treatment of chronic myeloid leukemia. A study of cancer and leukemia group B. Silver RT, et al. **Cancer** 1987 Oct 1;60(7):1442–8
T-DNA and opine synthetic loci in tumors incited by Agrobacterium tumefaciens A281 on soybean and alfalfa plants. Hood EE, et al. **J Bacteriol** 1986 Dec;168(3):1283–90
Agrobacterium Ti and Ri plasmids specify enzymic lactonization of mannopine to agropine. Dessaux Y, et al. **J Gen Microbiol** 1986 Sep;132 (Pt 9):2549–59
Decreasing risk of leukaemia during prolonged follow-up after mitobronitol therapy for polycythaemia vera [letter] Kelemen E, et al. **Lancet** 1987 Sep 12;2(8559):625
Genetic analysis of mannityl opine catabolism in octopine-type Agrobacterium tumefaciens strain 15955. Dessaux Y, et al. **MGG** 1987 Jun;208(1–2):301–8
Deletion analysis of the mannopine synthase gene promoter in sunflower crown gall tumors and Agrobacterium tumefaciens. DiRita VJ, et al. **MGG** 1987 May; 207(2–3):233–41

ISOLATION & PURIFICATION

[Chemical constituents of Cistanche deserticola] Luo SF. **Chung Yao Tung Pao** 1986 Nov;11(11):41–2 **(Chi)**
[Chemical constituents of the stems and roots of Gardenia jasminoides] Wang XF. **Chung Yao Tung Pao** 1986 Oct; 11(10):44–5 **(Chi)**

METABOLISM

Interaction of saccharin with hexitol metabolism by Streptococcus mutans. Best GM, et al. **Caries Res** 1987; 21(3):204–14
Intestinal permeability in diabetic diarrhoea. Cooper BT, et al. **Diabetic Med** 1987 Jan–Feb;4(1):49–52
Effect of penetration enhancers on the permeation of mannitol, hydrocortisone and progesterone through human skin. Barry BW, et al. **J Pharm Pharmacol** 1987 Jul; 39(7):535–46
Effect of mannitol and glucose on the distribution and trypsin susceptibility of protein A of Staphylococcus aureus. Yamada S, et al. **Microbiol Immunol** 1986;30(10):993–1002
Small intestinal permeability in normal Sudanese subjects: evidence of tropical enteropathy. Ukabam SO, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):204–7

PHARMACODYNAMICS

Influence of mannitol and dopamine on renal function during elective infrarenal aortic clamping in man. Paul MD, et al. **Am J Nephrol** 1986;6(6):427–34
Amniotic fluid volume regulation: basal volumes and responses to fluid infusion or withdrawal in sheep. Tomoda S, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R380–7
Does a bolus of mannitol initially aggravate intracranial hypertension? A study at various $PaCO_2$ tensions in dogs. Abou-Madi M, et al. **Br J Anaesth** 1987 May;59(5):630–9
Effects of intracarotid hyperosmolar mannitol in triethyl tin (TET)-induced rat brain edema--preservation of blood–brain barrier (BBB) in TET edema. Inoue T, et al. **Brain Res** 1987 Jun 30;414(2):309–13
Neurotoxicity of adriamycin passed through the transiently disrupted blood–brain barrier by mannitol in the rat brain. Kondo A, et al. **Brain Res** 1987 May 26;412(1):73–83
Inhibition of 12-O-tetradecanoylphorbol-13-acetate-enhanced transformation in vitro by radical scavengers. Saito M, et al. **Cancer Lett** 1987 May;35(2):167–71
Influence of antioxidants (mannitol and allopurinol) on oxygen free radical generation during and after cardiopulmonary bypass. England MD, et al. **Circulation** 1986 Nov;74(5 Pt 2):III134–7
Effects of the free radical scavenger DMTU and mannitol on the oxygen paradox in perfused rat hearts. Vander Heide RS, et al. **J Mol Cell Cardiol** 1987 Jun;19(6):615–25
ICP reduction with furosemide and mannitol [letter] Heifetz MD. **J Neurosurg** 1987 Sep;67(3):475
Hyperosmotic blood–brain barrier disruption in brains of rats with an intracerebrally transplanted RG-C6 tumor. Inoue T, et al. **J Neurosurg** 1987 Feb;66(2):256–63
Plasma expansion does not precipitate the fall in plasma vasopressin in humans drinking isotonic fluids. Cotter TP, et al. **J Physiol (Lond)** 1986 Jul;376:429–38
Brain water measured by magnetic resonance imaging. Correlation with direct estimation and changes after mannitol and dexamethasone. Bell BA, et al. **Lancet** 1987 Jan 10;1(8524):66–9
Mannitol-induced hyperosmolality and cerebrospinal fluid vasopressin in anesthetized cats [published erratum appears in Neurosci Lett 1987 May 6;76(2):255] Rosenberg GA, et al. **Neurosci Lett** 1987 Mar 20;75(1):60–4
Post-ischemic renal function after kidney protection with the HTK-solution of Bretschneider. Kallerhoff M, et al. **Urol Res** 1986;14(5):271–7
Short-term perfusion and "equilibration" of canine kidneys with protective solutions. Kallerhoff M, et al. **Urol Res** 1987;15(1):5–12
[Effects of mannitol on the fluids of the internal ear. Use in the treatment of deafness] Sterkers O, et al. **Ann Otolaryngol Chir Cervicofac** 1987;104(2):127–35 **(Eng. Abstr.)** **(Fre)**
[Kidney function parameters following ischemia stress using the Euro–Collins solution or the Bretschneider cardioplegic HTK solution] Kallerhoff M, et al. **Urologe [A]** 1987 Mar; 26(2):96–103 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Oral mannitol in control of fluid balance. Poulton A, et al. **Arch Dis Child** 1987 Jul;62(7):729–31
Treatment of experimental focal cerebral ischemia with mannitol. Assessment by intracellular brain pH, cortical blood flow, and electroencephalography. Meyer FB, et al. **J Neurosurg** 1987 Jan;66(1):109–15
Comparison of mannitol regimens in patients with severe head injury undergoing intracranial monitoring. Smith HP, et al. **J Neurosurg** 1986 Dec;65(6):820–4
Effect of mannitol treatment on brain neurotransmitter markers in kainic acid-induced epilepsy. Baran H, et al. **Neuroscience** 1987 Jun;21(3):679–84
Effect of mannitol on cerebral blood flow and microcirculation during experimental middle cerebral artery occlusion. Tanaka A, et al. **Surg Neurol** 1987 Sep; 28(3):189–95
[Prevention of myocardial damage by oxygen free radicals. Theoretical premises and experimental data] Boffa GM, et al. **Cardiologia** 1985 Oct;30(10):931–3 **(Ita)**
[Experimental studies in acute ischemic renal failure] Tsuji Y. **Nippon Hinyokika Gakkai Zasshi** 1987 Feb;78(2):281–91 (Eng. Abstr.) **(Jpn)**
[Concept of bipolar pathogenic therapy in various pediatric emergencies] Mardare S. **Rev Pediatr Obstet Ginecol [Pediatr]** 1987 Apr–Jun; 36(2):179–92 **(Rum)**

TOXICITY

No evidence of carcinogenicity of D-mannitol and propyl gallate in F344 rats or B6C3F1 mice. Abdo KM, et al. **Food Chem Toxicol** 1986 Oct–Nov;24(10–11):1091–7
Mannitol-induced acute renal failure. Weaver A, et al. **Nephron** 1987;45(3):233–5

MANNITOL PHOSPHATES see under **SUGAR PHOSPHATES**

MANNOHEPTULOSE see under **HEPTOSES**

MANNOSE

The assignment of carbonyl resonances in 13C-n.m.r. spectra of peracetylated mono- and oligo-saccharides containing D-glucose and D-mannose: an alternative method for structural determination of complex carbohydrates. Goux WJ, et al. **Carbohydr Res** 1987 Feb 1;159(2):191–210
Hydroxide-catalyzed isomerization of D-[1-13C]mannose: evidence for the involvement of 3,4-enediols. King-Morris MJ, et al. **Carbohydr Res** 1986 Oct 15;154:29–36
D-mannose as a preservative of glucose in blood samples. Nakashima K, et al. **Clin Chem** 1987 May;33(5):708–10
Carbohydrate-binding properties of L-fucose, D-mannose-specific lectin (SFL 100-2) particles produced by Streptomyces sp. Matsui I, et al. **J Biochem (Tokyo)** 1986 Jul;100(1):115–21
Isolation and immunochemical study of a soluble cerebellar lectin delineating its structure and function. Zanetta JP, et al. **J Neurochem** 1987 Oct;49(4):1250–7
Separation of benzoylated oligosaccharides by reversed-phase high-pressure liquid chromatography: application to high-mannose type oligosaccharides. Daniel PF. **Methods Enzymol** 1987;138:94–116

ANALOGS & DERIVATIVES

Neurochemical characterization of the actions of 5-amino-2,4- dihydroxy-alpha-methylphenylethylamine (5-ADMP): a selective neurotoxin to central noradrenergic neurons. Jarry H, et al. **J Pharmacol Exp Ther** 1986 Oct; 239(1):55–62
The biosynthesis of phosphatidylmannose and related compounds. **Nutr Rev** 1986 Oct;44(10):345–6

ANALYSIS

On the concanavalin A positive layer on the skeletal muscle fibre. Ovtscharoff W, et al. **Acta Histochem (Jena)** 1987; 81(2):163–9
Carbohydrate structures of the third component of rat complement. Presence of both high-mannose and complex type oligosaccharide chains. Miki K, et al. **Biochem J** 1986 Dec 15;240(3):691–8
Demonstration of a keratan sulfate proteoglycan and a mannose-rich glycoconjugate in corpora amylacea of the brain by immunocytochemical and lectin-binding methods. Liu HM, et al. **J Neuroimmunol** 1987 Feb;14(1):49–60

GENETICS

The transfer of genes encoding production of mannose-resistant haemagglutinating fimbriae from uropathogenic enterobacteria. Hales BA, et al. **J Gen Microbiol** 1986 Aug;132 (Pt 8):2243–7

METABOLISM

3H-mannose utilization by fibroblasts of the periodontal ligament. Cho MI, et al. **Anat Rec** 1987 May;218(1):5–13
In vivo formation of tritium-labeled lactic acid from [2-3H]mannose or [15-3H]retinol by hamster intestinal epithelial cells. Creek KE, et al. **Arch Biochem Biophys** 1987 May 1;254(2):482–90
Phosphorylation of the alpha 1,2-linked mannosylsaccharide by N-acetylglucosamine-1-phosphotransferase from fibroblasts occurs at the terminal mannose. Madiyalakan R, et al. **Biochem Biophys Res Commun** 1987 Jan 30; 142(2):354–8
Preparation and characterisation of liposomes containing mannosylated phospholipids capable of targetting drugs to macrophages. Barratt G, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):153–64
Carbohydrate-binding proteins of human serum: isolation of two mannose/fucose-specific lectins. Taylor ME, et al. **Biochim Biophys Acta** 1987 Sep 2;915(1):60–7
Absorbed dose from 14C xylose and 14C mannose. Brydon WG, et al. **Br J Radiol** 1987 Jun;60(714):563–6
The phosphoenolpyruvate: sugar phosphotransferase system of Streptococcus salivarius. Identification of a IIIman protein. Vadeboncoeur C, et al. **Can J Microbiol** 1987 Feb; 33(2):118–22
Inhibition of mannose incorporation into glycoproteins and dolichol-linked intermediates of Sarcoma 180 cells by 6-methylmercaptopurine ribonucleoside. Sokoloski JA, et al. **Int J Cancer** 1987 Jun 15;39(6):764–8
Are sugars involved in the binding of rhodopsin-membranes by the retinal pigment epithelium? Shirakawa H, et al. **Invest Ophthalmol Vis Sci** 1987 Apr;28(4):628–32
Concanavalin A interactions with asparagine-linked glycopeptides. Bivalency of bisected complex type oligosaccharides. Bhattacharyya L, et al. **J Biol Chem** 1987 Jan 25;262(3):1294–9
Concanavalin A interactions with asparagine-linked glycopeptides. Bivalency of high mannose and bisected hybrid type glycopeptides. Bhattacharyya L, et al. **J Biol Chem** 1987 Jan 25;262(3):1288–93
Glucosidase II, a protein of the endoplasmic reticulum with high mannose oligosaccharide chains and a rapid turnover. Strous GJ, et al. **J Biol Chem** 1987 Mar 15;262(8):3620–5
Identification of the major mannose-binding proteins from chicken egg yolk and chicken serum as immunoglobulins. Wang KY, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(24):9670–4
Pel, the protein that permits lambda DNA penetration of Escherichia coli, is encoded by a gene in ptsM and is required for mannose utilization by the phosphotransferase system. Williams N, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):8934–8

PHARMACODYNAMICS

Maintenance of pancreatic endocrine cells of the neonatal rat: Part IX--Reversal of 2-deoxyglucose effects by mannose. Kagawa S, et al. **Indian J Biochem Biophys** 1986 Dec;23(6):344–7

PHYSIOLOGY

L-fucose, D-mannose, L-galactose, and their BSA conjugates stimulate macrophage migration. Takata I, et al. **J Leukocyte Biol** 1987 Mar;41(3):248–56
Metabolic and secretory response of tumoral-insulin producing cells to D-fructose and D-galactose. Giroix MH, et al. **Mol Cell Biochem** 1987 Apr;74(2):163–71
In vitro homing of hemopoietic stem cells is mediated by a recognition system with galactosyl and mannosyl specificities. Aizawa S, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4485–9

TOXICITY

Mechanism of mannose toxicity. de la Fuente M, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):51–5

MANNOSEPHOSPHATE ISOMERASE see under **CARBOHYDRATE ISOMERASES**

MANNOSEPHOSPHATES see under **HEXOSEPHOSPHATES**

MANNOSIDASES

ANALYSIS

Isolation and identification of self-transfer products formed by guinea pig liver beta-mannosidase. Kyosaka S, et al. **Chem Pharm Bull (Tokyo)** 1986 Dec;34(12):5140–3
Enzyme histochemistry of human melanomas and pigmented naevi with special reference to alpha-D-mannosidase activity. Elleder M, et al. **Histochem J** 1986 Sep; 18(9):472–80

ANTAGONISTS & INHIBITORS

Inhibition of myoblast fusion by the glucosidase inhibitor N-methyl-1-deoxynojirimycin, but not by the mannosidase inhibitor 1-deoxymannojirimycin. Holland PC, et al.

Biochem J 1986 Sep 1;238(2):335–40

alpha–D–mannopyranosylmethyl–p–nitrophenyltriazene inhibition of rat liver alpha–D–mannosidases. Docherty PA, et al. **Biochim Biophys Acta** 1987 Aug 21;914(3):283–8

Effects of swainsonine and polyinosinic:polycytidylic acid on murine tumor cell growth and metastasis. Dennis JW. **Cancer Res** 1986 Oct;46(10):5131–6

Orthovanadate inhibition of rat epididymal neutral alpha–mannosidase isoenzymes. Dutta P, et al. **Indian J Biochem Biophys** 1986 Jun;23(3):140–2

BLOOD

Observations on the effects of management stress on beta–mannosidase activity in goats. Mason RW. **Aust Vet J** 1986 Oct;63(10):339–40

beta–Mannosidase in human serum and urine. A comparative study. Bernard M, et al. **Int J Biochem** 1986;18(11):1065–8

beta–D–mannosidase in human polymorphonuclear leukocytes and lymphocytes: a comparative study. Colin B, et al. **Int J Biochem** 1987;19(4):395–7

DEFICIENCY

Evidence for two catabolic endoglycosidase activities in beta–mannosidase–deficient goat fibroblasts. Hancock LW, et al. **Biochim Biophys Acta** 1987 Apr 2;928(1):13–21

Human beta–mannosidase deficiency [letter] Cooper A, et al. **N Engl J Med** 1986 Nov 6;315(19):1231

Human beta–mannosidase deficiency. Wenger DA, et al. **N Engl J Med** 1986 Nov 6;315(19):1201–5

ISOLATION & PURIFICATION

Purification and characterization of a cell–associated, soluble mannanase from Bacteroides ovatus. Gherardini FC, et al. **J Bacteriol** 1987 May;169(5):2038–43

Alpha–mannosidases I and II from Aspergillus saitoi. Kobata A, et al. **Methods Enzymol** 1987;138:779–85

METABOLISM

Properties and prenatal ontogeny of beta–D–mannosidase in selected goat tissues. Pearce RD, et al. **Biochem J** 1987 Apr 15;243(2):603–9

Mercaptoethanol assists in cleaving a cysteine/cystine–free protein into its subunits. Einhoff W, et al. **Biol Chem Hoppe Seyler** 1987 Apr;368(4):405–7

Interaction of the alpha–mannosidase from Canavalia ensiformis with the lectin from the same plant, concanavalin A. Einhoff W, et al. **Biol Chem Hoppe Seyler** 1986 Sep;367(9):943–9

A late developmental change in lysosomal enzyme sulfation specific to newly synthesized proteins in Dictyostelium discoideum. Livi GP, et al. **Dev Biol** 1987 Jun; 121(2):293–300

Characterization of acid and neutral alpha–mannosidases in bull semen and reproductive organs. Jauhiainen A, et al. **Int J Biochem** 1987;19(3):267–74

Characterization of an outer membrane mannanase from Bacteroides ovatus. Gherardini FC, et al. **J Bacteriol** 1987 May;169(5):2031–7

Structures of galactose–containing oligosaccharides of alpha–mannosidase from porcine kidney. Kozutsumi Y, et al. **J Biochem (Tokyo)** 1986 Aug;100(2):505–12

Golgi endo–alpha–D–mannosidase from rat liver, a novel N–linked carbohydrate unit processing enzyme. Lubas WA, et al. **J Biol Chem** 1987 Mar 15;262(8):3775–81

Substrate specificities of rat kidney lysosomal and cytosolic alpha–D–mannosidases and effects of swainsonine suggest a role of the cytosolic enzyme in glycoprotein catabolism. Tulsiani DR, et al. **J Biol Chem** 1987 May 15; 262(14):6506–14

MANNOSIDES see under **GLYCOSIDES**

MANNOSIDOSIS

PATHOLOGY

Genetic mucopolysaccharidoses, mannosidosis, sialidosis, galactosialidosis, and I–cell disease. Ultrastructural analysis of cultured fibroblasts. Takahashi K, et al. **Acta Pathol Jpn** 1987 Mar;37(3):385–400

Ectopic axon hillock–associated neurite growth is maintained in metabolically reversed swainsonine–induced neuronal storage disease. Walkley SU, et al. **Brain Res** 1987 Apr 28;410(1):89–96

[Mannosidosis: cytologic, cytochemical and ultrastructural study of blood and bone marrow cells] Lejeune F, et al. **Ann Pediatr (Paris)** 1986 Sep;33(7):557–61 (Eng. Abstr.) **(Fre)**

VETERINARY

Alpha–mannosidosis in a Persian cat. Jezyk PF, et al. **J Am Vet Med Assoc** 1986 Dec 1;189(11):1483–5

MANNOSYLTRANSFERASES see under **HEXOSYLTRANSFERASES**

MANOMETRY

Comparison of esophageal manometric characteristics in asymptomatic subjects and symptomatic patients with high–amplitude esophageal peristaltic contractions. Traube M, et al. **Am J Gastroenterol** 1987 Sep;82(9):831–5

Assessment of clinical laboratory techniques in the measurement of oxygen saturation in whole blood. Sarma R, et al. **Angiology** 1976 Sep;27(9):502–8

Esophageal chest pain. Value of high–dose provocative testing with edrophonium chloride in patients with normal esophageal manometries. Lee CA, et al. **Dig Dis Sci** 1987 Jul;32(7):682–8

Manofluorography of deglutition after supraglottic laryngectomy. McConnel FM, et al. **Head Neck Surg** 1987 Jan–Feb;9(3):142–50

Examination of swallowing after total laryngectomy using manofluorography. McConnel FM, et al. **Head Neck Surg** 1986 Sep–Oct;9(1):3–12

Manometric evaluation of the feline esophagus. Correnti FS, et al. **J Surg Res** 1986 Sep;41(3):312–8

"Nutcracker" esophagus: diagnosis with radionuclide esophageal scintigraphy versus manometry [letter] Richter JE, et al. **Radiology** 1987 Sep;164(3):877–9

Rhinomanometry at selection for adenoidectomy. Juliusson S, et al. **Rhinology** 1987 Mar;25(1):63–7

[Rhinomanometry study of patients with respiratory allergy] Ghaem A, et al. **Bull Eur Physiopathol Respir** 1986 Sep–Oct;22(5):443–9 (Eng. Abstr.) **(Fre)**

[Intraocular pulse fluctuations in pressure in neovascularization glaucoma in comparison to other forms of glaucoma (results of direct manometric measurements)] Jaeger W. **Klin Monatsbl Augenheilkd** 1986 Aug; 189(2):104–9 (Eng. Abstr.) **(Ger)**

[Neurogenic disorders of the bladder in Parkinson disease. Clinical and combined cystomanometric–electromyographic study] Hess CW, et al. **Nervenarzt** 1987 Jan;58(1):55–60 **(Ger)**

[Recurrent urinary incontinence: cystomanometry—conditio sine qua non?] Madersbacher H, et al. **Urologe [A]** 1986 Sep;25(5):271–7 (Eng. Abstr.) **(Ger)**

[Long–term pH–metry and manometry: methods and value in the differential diagnosis of retrosternal pain] Emde C, et al. **Z Gastroenterol** 1987 Mar;25 Suppl 2:34–8 **(Ger)**

[Oesophagomanometric studies in surgical treatment of esophagocardial achalasia] Pahlisch F, et al. **Zentralbl Chir** 1987;112(13):835–42 (Eng. Abstr.) **(Ger)**

[Pharyngo–esophageal manometry in horizontal supraglottic laryngectomy] Fiorella R, et al. **Acta Otorhinolaryngol Ital** 1987 Jan–Feb;7(1):33–40 (Eng. Abstr.) **(Ita)**

[Esophageal manometry: methodological aspects and clinico–experimental applications] Castrucci G, et al. **Chir Patol Sper** 1984 Oct;32(5):195–213 (Eng. Abstr.) **(Ita)**

[Value of manometry of the esophagus in the diagnosis of achalasia] Carvalhinhos A, et al. **Acta Med Port** 1986 May–Jun;7(3):109–14 (Eng. Abstr.) **(Por)**

[Anal manometry before and after subcutaneous lateral internal sphincterectomy in patients with fissure] Cerdán FJ, et al. **Rev Esp Enferm Apar Dig** 1987 May;71(5):391–3 (Eng. Abstr.) **(Spa)**

[Discriminating power of the area of the manometric tracings of the inferior esophageal sphincter] Lloris JM, et al. **Rev Esp Enferm Apar Dig** 1986 Dec;70(6):511–4 (Eng. Abstr.) **(Spa)**

[High–pressure zone in subjects without gastroesophageal reflux: pre– and intra–operative study] Palomar EF, et al. **Rev Esp Enferm Apar Dig** 1987 Jul;72(1):1–5 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Manometry of canine ileocolonic sphincter: comparison of sleeve method to point sensors. Quigley EM, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):G585–91

Usefulness of manometric assessment of varices in maintenance sclerotherapy. A controlled trial. Hosking SW, et al. **Gastroenterology** 1987 Oct;93(4):846–51

A simple apparatus for anal tonometry. Sanyal P, et al. **J Indian Med Assoc** 1986 Apr;84(4):113–5

A method of fixing intracardiac manometer lines for postoperative monitoring. Vanker EA. **J R Coll Surg Edinb** 1986 Oct;31(5):308–9

A new technique using a nasal cast for anterior rhinomanometry. Babatola FD, et al. **Rhinology** 1987 Jun; 25(2):109–15

[Barography using pressure–detecting sheets—an imaging procedure for pressure determination in biomechanical problems of jaw surgery] Randzio J, et al. **Fortschr Kiefer Gesichtschir** 1987;32:190–4 **(Ger)**

[Initial experience in determining anal sphincter opening pressure in children with defecation disorders] Meixner J. **Kinderarztl Prax** 1987 Feb;55(2):75–80 (Eng. Abstr.) **(Ger)**

[Measuring compartment pressure of the tibia with the intracranial probe] Becker HP, et al. **Unfallchirurg** 1987 May;90(5):212–7 (Eng. Abstr.) **(Ger)**

METHODS

Rhinomanometry. Jones AS, et al. **Clin Otolaryngol** 1987 Jun; 12(3):233–6

A method for continuous monitoring of upper esophageal sphincter pressure. Kahrilas PJ, et al. **Dig Dis Sci** 1987 Feb;32(2):121–8

Pressure measurements in oesophageal varices: first comparison of two techniques [letter] [published erratum appears in Endoscopy 1987 Mar;19(2):75] Staritz M, et al. **Endoscopy** 1986 Nov;18(6):253–4

A clinician's view of foot pressure: a comparison of three different methods of measurement. Hughes J, et al. **Foot Ankle** 1987 Apr;7(5):277–84

Computer–aided oesophageal manometry: prospects and problems. Feussner H, et al. **J Biomed Eng** 1987 Jul; 9(3):257–60

Measurement of pressure under leprotic feet using a barograph. Patil KM, et al. **J Rehabil Res Dev** 1987 Spring; 24(2):9–12

Studies of transnasal pressure and airflow values in a Japanese population. Ohki M, et al. **Rhinology** 1986 Dec;24(4):277–82

Intravaginal pressure recording as alternative to intrarectal pressure monitoring. Vereecken RL. **Urology** 1987 Feb; 29(2):225–6

[Evaluation of papillary function by intra–operative manometric study using a new catheter with a balloon] Kubota K, et al. **Nippon Geka Gakkai Zasshi** 1987 Jun; 88(6):791 **(Jpn)**

[Evaluation of anterior rhinomanometry by a model experiment] Unno T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Nov;89(11):1632–6 (Eng. Abstr.) **(Jpn)**

[Intracranial pressure measurement with the Leeds bolt] Harboe S, et al. **Tidsskr Nor Laegeforen** 1986 Aug 20; 106(23):1827–9, 1856 (Eng. Abstr.) **(Nor)**

MANSONELLA

Extended cryopreservation of Loa loa and Mansonella perstans microfilariae from human peripheral blood. Cesbron JY, et al. **Trans R Soc Trop Med Hyg** 1986; 80(4):563

PHYSIOLOGY

Laboratory studies on Mansonella marmosetae in the squirrel monkey, Saimiri sciureus. Eberhard ML, et al. **J Parasitol** 1987 Feb;73(1):233–4

ULTRASTRUCTURE

En face view of Mansonella (Mansonella) akitensis (Uni, 1983) by scanning electron microscopy. Uni S. **Ann Parasitol Hum Comp** 1986;61(6):695–6

MANSONELLA OZZARDI see under **MANSONELLA**

MANSONELLIASIS see under **FILARIASIS**

MANTIDS see **ORTHOPTERA**

MANUAL COMMUNICATION

Developing written literacy in deaf children through analyzing sign language. Akamatsu CT, et al. **Am Ann Deaf** 1987 Mar;132(1):46–51

Conceptual sign language acquisition by Spanish–speaking parents of hearing–impaired children. Christensen KM. **Am Ann Deaf** 1986 Oct;131(4):285–7

Attitudes toward sign communication mode: a survey of hearing and hearing–imparied educators of the deaf. Crittenden JB. **Am Ann Deaf** 1986 Oct;131(4):275–80

Code switching in deaf adults. Hoffmeister R, et al. **Am Ann Deaf** 1987 Mar;132(1):31–4

Reading achievement of prelingually deaf students and its relationship to parental method of communication: a review of the literature. Kampfe CM, et al. **Am Ann Deaf** 1987 Mar;132(1):11–5

Gaining methodological insight through the use of single subject designs in hearing–impaired classrooms. Luetke–Stahlman B. **Am Ann Deaf** 1986 Dec;131(5):349–55

Individual differences in the signed communication of deaf children. Suty KA. **Am Ann Deaf** 1986 Oct;131(4):298–304

The marketing of interpreter services for the deaf. Warner HC. **Am Ann Deaf** 1986 Dec;131(5):365–6

More on the effects of early manual communication on the cognitive development of deaf children. Zwiebel A. **Am Ann Deaf** 1987 Mar;132(1):16–20

Spatial and temporal sequencing of signs and words by severely mentally retarded children. Bowler DM, et al. **Am J Ment Defic** 1987 Jul;92(1):112–5

Sign acquisition and use following traumatic brain injury: case report. Coelho CA. **Arch Phys Med Rehabil** 1987 Apr; 68(4):229–31

Transmitting deaf sign language over the telecommunications network. Pearson DE. **Br J Audiol** 1986 Nov;20(4):299–305

The relationship of the acquisition of manual signs to severity of aphasia: a training study. Coelho CA, et al. **Brain Lang** 1987 Jul;31(2):328–45

Temporal processing in deaf signers. Poizner H, et al. **Brain Lang** 1987 Jan;30(1):52–62

Communication and special health care needs of a profoundly hearing impaired adolescent. Chacko MR, et al. **Clin Pediatr (Phila)** 1987 Aug;26(8):395–7

First stage of language acquisition through two modalities in deaf and hearing children. Volterra V, et al. **Ital J Neurol Sci** 1986 Apr;Suppl 5:109–15

An evaluation of the relationship between receptive speech skills and expressive signing. Clarke S, et al. **J Appl Behav Anal** 1986 Fall;19(3):231–9

Sign language and autism. Bonvillian JD, et al.

J Autism Dev Disord 1981 Mar;11(1):125–37
Acquisition of sign language by autistic children. III: Generalized descriptive phrases. Carr EG, et al.
J Autism Dev Disord 1987 Jun;17(2):217–29
Critical comments on "Teaching autistic children to use sign language: some research issues" [letter] Creedon MP.
J Autism Dev Disord 1980 Jun;10(2):243–4
A strategy for research on the use of nonvocal systems of communicatioe. Kiernan C. **J Autism Dev Disord** 1981 Mar; 11(1):139–51
Autistic children exposed to simultaneous communication training: a follow–up. Konstantareas MM.
J Autism Dev Disord 1987 Mar;17(1):115–31
Issues in the modification of American sign language for instructional purposes. Moores DF.
J Autism Dev Disord 1981 Mar;11(1):153–62
Artificial language comprehension and size transposition by a California sea lion (Zalophus californianus). Schusterman RJ, et al. **J Comp Psychol** 1986 Dec;100(4):348–55
The effect of two procedures on spontaneous signing with Down's syndrome children. Ducker PC, et al.
J Ment Defic Res 1986 Dec;30 (Pt 4):355–64
Retroactive and proactive interference effects in dual learning of blissymbolics and manual sign. Luftig RL, et al. **J Psycholinguist Res** 1986 Nov;15(6):509–23
Developing primitive signalling behavior of students with profound mental retardation. Sternberg L, et al.
Ment Retard 1987 Feb;25(1):13–20
Effects of iconicity, motoric complexity, and linguistic function on sign acquisition in severe aphasia. Coelho CA, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):519–30
A method for examining gestural language structure. Hass EJ, et al. **Percept Mot Skills** 1987 Apr;64(2):391–7
The use of signs and the coding of prefix markers by teachers at a school for the deaf. Aron ML, et al.
S Afr J Commun Disord 1986;33:64–72
Signed lexical items in an Afrikaans oral residential school for the deaf. Warren S, et al. **S Afr J Commun Disord** 1986; 33:56–64

MANUALS

Principles underlying a manual for parents whose children were killed by a drunk driver. Weiss RS.
Am J Orthopsychiatry 1987 Jul;57(3):431–40
The internal consistency and factorial structure of behaviors judged to be associated with DSM–III personality disorders. Livesley WJ, et al. **Am J Psychiatry** 1986 Nov; 143(11):1473–4
Breast cancer information: New York State [news] Doolittle S. **Am J Public Health** 1987 Jul;77(7):874
DSM–III and clinically identified problems as a guide to treatment. Longabaugh R, et al. **Arch Gen Psychiatry** 1986 Nov;43(11):1097–103
Sources of unreliability of DSM–III Axis IV. Rey JM, et al. **Aust NZ J Psychiatry** 1987 Mar;21(1):75–80
DSM–III: problems in diagnosis of paranoia and obsessive–compulsive disorder. Ross CA, et al.
Can J Psychiatry 1987 Mar;32(2):146–8
Comparison of self–rated and observer–rated scales in DSM–III borderline personality disorder. Snyder S, et al. **Can J Psychiatry** 1986 Nov;31(8):708–13
DSM–III personality disorder in agoraphobia. II. Changes with treatment. Mavissakalian M, et al.
Compr Psychiatry 1987 Jul–Aug;28(4):356–61
DSM–III personality disorder in agoraphobia. Mavissakalian M, et al. **Compr Psychiatry** 1986 Sep–Oct;27(5):471–9
The Foulds hierarchy of personal illness: a review of recent research. Morey LC. **Compr Psychiatry** 1987 Mar–Apr; 28(2):159–68
Test–retest reliability of a standardized psychiatric interview (DIS/CIDI). Semler G, et al.
Eur Arch Psychiatry Neurol Sci 1987;236(4):214–22
An IARC Manual series aimed at assisting cancer epidemiology and prevention. "Environmental carcinogens: selected methods of analysis". O'Neill IK, et al.
Int J Environ Anal Chem 1986;26(3–4):229–40
Sources of disagreement between clinical (ICD–9) and operational (RDC, DSM–III) diagnosis of endogenous depression (melancholia). Maier W, et al.
J Affective Disord 1986 Nov–Dec;11(3):235–43
Premorbid competence, role orientation, and gender differences in DSM–II versus DSM–III schizophrenic patients. Glick M, et al. **J Consult Clin Psychol** 1987 Aug; 55(4):609–11
Assessing the severity of posttraumatic stress disorder: relation between dichotomous and continuous measures. Weisenberg M, et al. **J Consult Clin Psychol** 1987 Jun; 55(3):432–4
Descriptive validity of DSM–III depressions. Fabrega H Jr, et al. **J Nerv Ment Dis** 1986 Oct;174(10):573–84
Multiaxial characterization of depressive patients. Mezzich JE, et al. **J Nerv Ment Dis** 1987 Jun;175(6):339–46
The convergent and discriminant validity of the MCMI as a measure of the DSM–III personality disorders. Widiger TA, et al. **J Pers Assess** 1987 Summer;51(2):228–42
The application of DSM–III diagnostic criteria to school refusal. Hoshino Y, et al. **Jpn J Psychiatry Neurol** 1987 Mar;41(1):1–7
Development of biomedical equipment operator's manual. Shaffer MJ, et al. **Med Instrum** 1987 Feb;21(1):44–6
Smoking intervention: combination therapy using nicotine chewing gum and the American Lung Association's "Freedom from Smoking" manuals.Daughton DM, et al. **Prev Med** 1986 Jul;15(4):432–5
The Berserker/Blind Rage syndrome as a potentially new diagnostic category for the DSM–III. Simón A.
Psychol Rep 1987 Feb;60(1):131–5
Scoring manual for the Thought Disorder Index. Solovay MR, et al. **Schizophr Bull** 1986;12(3):483–96
[DSM–III: the 3d edition of the Diagnostic and Statistical Manual of Mental Disorders from the American Psychiatric Association] Pichot P. **Rev Neurol (Paris)** 1986; 142(5):489–99 (Eng. Abstr.) **(Fre)**
[Psychoses of physical origin—traditional interpretation and DSM III nomenclature] Möller A.
Fortschr Neurol Psychiatr 1986 Oct;54(10):318–20 (Eng. Abstr.) **(Ger)**
[Comparison of the diagnostic categories of ICD–9 and DSM–III] Spitzer M. **Fortschr Neurol Psychiatr** 1987 Jan; 55(1):16–30 (Eng. Abstr.) **(Ger)**
[Diagnosis in DSM–III] Spitzer M, et al. **Nervenarzt** 1986 Dec;57(12):698–704 **(Ger)**
[Borderline patients in the psychotherapy unit: DMS III diagnosis and its significance for therapy] Steiner S.
Psychother Psychosom Med Psychol 1987 Jun;37(6):211–8 (Eng. Abstr.) **(Ger)**
[Specificity and lack of specificity in psychiatric diseases] Heimann H. **Schweiz Arch Neurol Psychiatr** 1986; 137(5):67–86 (Eng. Abstr.) **(Ger)**
[Child and adolescent psychiatric classification in an unselected sample—a comparison of MAS and DSM–III] Blanz B, et al. **Z Kinder Jugendpsychiatr** 1986;14(4):296–307 (Eng. Abstr.) **(Ger)**

STANDARDS

More on the empiricist and his new clothes [letter]
Am J Psychiatry 1987 May;144(5):691–3
Empiricism and DSM–III [letter] **Am J Psychiatry** 1987 Jun; 144(6):837–8
Proposed changes in DSM–III substance dependence criteria [letter] **Am J Psychiatry** 1987 Feb;144(2):257–9
More on Ganser's syndrome and DSM–III [letter] Kerbeshian J, et al. **Am J Psychiatry** 1987 Jan;144(1):119–20
Schizoid and avoidant personality disorders in DSM–III [letter] Millon T. **Am J Psychiatry** 1986 Oct;143(10):1321–3
Borderline personality and DSM–III [letter] Nakdimen KA.
Am J Psychiatry 1987 Feb;144(2):254
Consumers' views of DSM–III [letter] Nussbaum K.
Am J Psychiatry 1986 Oct;143(10):1314
A field trial of DSM–III–R psychoactive substance dependence disorders. Rounsaville BJ, et al.
Am J Psychiatry 1987 Mar;144(3):351–5
Classification and diagnosis [letter] Sandifer MG.
Am J Psychiatry 1987 Feb;144(2):252–3
"Simple dissociative disorder": a subcategory in DSM–III–R? [letter] Saxena S. **Am J Psychiatry** 1987 Apr;144(4):524–5
The prognostic validity of DSM–III axis IV in depressed inpatients. Zimmerman M, et al. **Am J Psychiatry** 1987 Jan; 144(1):102–6
Adjustment disorder as a marginal or transitional illness category in DSM–III. Fabrega H Jr, et al.
Arch Gen Psychiatry 1987 Jun;44(6):567–72
Twin concordance for DSM–III schizophrenia. Scrutinizing the validity of the definition. Farmer AE, et al.
Arch Gen Psychiatry 1987 Jul;44(7):634–41
Testing DSM–III symptom criteria for schizotypal and borderline personality disorders. McGlashan TH.
Arch Gen Psychiatry 1987 Feb;44(2):143–8
An empirical study of the relationship between diagnosis and defense style [letter] Nussbaum K. **Arch Gen Psychiatry** 1987 Jan;44(1):94–5
Reliability of DSM–III Axis IV [letter] Rey JM, et al.
Arch Gen Psychiatry 1987 Jan;44(1):96–7
Reliability of DSM–III diagnoses for major depression and generalized anxiety disorder using the structured clinical interview for DSM–III. Riskind JH, et al.
Arch Gen Psychiatry 1987 Sep;44(9):817–20
The value of DSM–III for psychotherapy. A feasibility study. Auerbach AH, et al. **J Nerv Ment Dis** 1987 Mar; 175(3):138–42
Revised criteria for detecting alcoholic patients with attention deficit disorder, residual type. Horton AM Jr, et al. **J Nerv Ment Dis** 1987 Jun;175(6):371–2
Prototypicality ratings of DSM–III criteria for personality disorders. Livesley WJ, et al. **J Nerv Ment Dis** 1987 Jul; 175(7):395–401

MANUBRIUM see under **STERNUM**

MANURE

Bacteroides xylanolyticus sp. nov., a xylanolytic bacterium from methane producing cattle manure.
Scholten–Koerselman I, et al. **Antonie Van Leeuwenhoek** 1986;52(6):543–54
Solid state fermentation of swine manures. Hsu JP, et al.
Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih 1986 Feb;19(1):61–8
New ways how to control development of the house fly larvae (Musca domestica) in litter. Szabová G, et al.
DTW 1987 Apr 8;94(4):213–4
Bacterial flora associated with an organic manure–aquaculture system in Kainji Lake Basin area, Nigeria. Ogbondeminu FS, et al. **Int J Zoonoses** 1986 Mar; 13(1):54–8
Influence of manure gases on puberty in gilts. Malayer JR, et al. **J Anim Sci** 1987 May;64(5):1476–83
Nutritional value of aerobically fermented poultry manure and offal (Fermway) for broiler chicks. Dafwang II, et al. **Poult Sci** 1986 Sep;65(9):1765–70
[Microbial decontamination by aerobic purification of liquid manure from swine–breeding farm complexes] Balkov BD, et al. **Vet Med Nauki** 1987;24(4):66–70 (Eng. Abstr.) **(Bul)**
[Hookworm control by combining drug treatment with biogas production] Zhao XH, et al.
Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1987;5(1):58–60 (Eng. Abstr.) **(Chi)**
[Effect of high doses of liquid swine dung on the viability of bacteria of the genus Pseudomonas in sea and river water] Alton LV. **Gig Sanit** 1987 Jan;(1):66–8 **(Rus)**
[Hygienic evaluation of new systems for the removal and decontamination of animal husbandry wastes] Livshits LL, et al. **Gig Sanit** 1986 Dec;(12):28–30 (Eng. Abstr.) **(Rus)**

ANALYSIS

Levels of nine potentially toxic elements in Idaho fish manures. Krieger RI, et al.
Bull Environ Contam Toxicol 1987 Jan;38(1):63–6
Determination of dieldrin concentrations in recycled cattle feed and manure by liquid chromatography. Mowafy LI, et al. **Bull Environ Contam Toxicol** 1987 Mar;38(3):396–403
Identification of volatile compounds in poultry manure by gas chromatography–mass spectrometry. Yashuhara A.
J Chromatogr 1987 Jan 30;387:371–8
[Content of chemical elements in the liquid manure of swine at a treatment plant using biological purification] Balkov BD, et al. **Vet Med Nauki** 1987;24(5):91–6 (Eng. Abstr.) **(Bul)**
[Effect of methane fermentation on the survival rate of disease pathogens] Poch M. **Z Gesamte Hyg** 1987 Jan; 33(1):32–3 (Eng. Abstr.) **(Ger)**
[Decomposition of the health–related components of sewage sludge and liquid manure using methane fermentation] Poch M. **Z Gesamte Hyg** 1987 Jan;33(1):30–1 (Eng. Abstr.) **(Ger)**

MANUSCRIPTS

[Descriptions of diseases in medieval chronicles] Józsa L.
Orv Hetil 1987 Mar 22;128(12):639–41 **(Hun)**
[The Russian translation of "Anatomy of the Human Body" by G. Bidloo] Romanov NA, et al.
Arkh Anat Gistol Embriol 1987 May;92(5):86–9 **(Rus)**

MANUSCRIPTS, MEDICAL

History of occupational medicine: relevance of Imhotep and the Edwin Smith papyrus. Brandt–Rauf PW, et al.
Br J Ind Med 1987 Jan;44(1):68–70
Possible description of Laségue's sign in the Edwin Smith Surgical Papyrus [letter] Buchanan WW, et al.
Clin Rheumatol 1987 Jun;6(2):296
An illustrated Arabic medical manuscript of the fifteenth century (Amshati's Mundjiz). Haddad FS. **Clio Med** 1983; 18(1–4):243–52
Early tractata on leprosy. Kato L.
Int J Lepr Other Mycobact Dis 1987 Mar;55(1):157–9
Authors should not compare survival of responders and nonresponders without discussing the limitations of such a comparison [letter] Piver MS. **J Clin Oncol** 1987 Aug; 5(8):1300–2
Are published manuscripts representative of the surgical meeting abstracts? An objective appraisal. Weintraub WH.
J Pediatr Surg 1987 Jan;22(1):11–3
An historical sketch of proctology from ancient Egypt to modern South Carolina. Banov L Jr. **J SC Med Assoc** 1985 Jul;81(7):359–60
Illustrations from the Wellcome Institute Library. The Sami Haddad collection of Arabic medical manuscripts. Conrad LI. **Med Hist** 1987 Jul;31(3):354–7
The manuscript lecture–notes of Alexander Monro primus (1697–1767). Taylor DW. **Med Hist** 1986 Oct;30(4):444–67
A selection of treasures from the Historical Collections of the Library of the College of Physicians of Philadelphia. Horrocks TA. **Trans Stud Coll Physicians Phila** 1987 Mar; 9(1):3–24
[Representation of Ortolf's "Pharmacopoeia" by Anton Trutmann] Gross H. **Sudhoffs Arch** 1987;71(1):102–5 **(Ger)**
[Medical writings on the plague in the Middle Ages in Sweden] Hedlund M, et al. **Sudhoffs Arch** 1986;70(2):220–8 (Eng. Abstr.) **(Ger)**
[Once again on the Isagoge of Johannicius: origin of the Latin instructional text] Weisser U. **Sudhoffs Arch** 1986; 70(2):229–35 **(Ger)**
[In commemoration of the 700th anniversary of writing (1268–1272) and the 450th anniversary of the first printed edition (1535) of "The Perspective" by Witelo]
Klin Oczna 1986 Dec;88(12):405–7 **(Pol)**

MAPLE SYRUP URINE DISEASE

BLOOD

[Metabolic study of the classic form of leucinosis during exchange transfusion therapy] Zeman J, et al. **Cesk Pediatr** 1987 Apr;42(4):219–22 (Eng. Abstr.) **(Cze)**

DIAGNOSIS

Maple syrup urine disease in Chinese. Feng KP, et al. **Chin Med J [Engl]** 1986 Feb;99(2):119–20

Branched-chain alpha-keto acids for the diagnosis of maple-syrup-urine disease [letter] Parsons H, et al. **N Engl J Med** 1987 Apr 9;316(15):951

[Maple syrup urine disease. Diagnosis based on using the methods of gas chromatography and mass spectrometry] Mielniczuk Z, et al. **Pediatr Pol** 1987 Feb;62(2):122–7 **(Pol)**

ENZYMOLOGY

Altered kinetic properties of the branched-chain alpha-keto acid dehydrogenase complex due to mutation of the beta-subunit of the branched-chain alpha-keto acid decarboxylase (E1) component in lymphoblastoid cells derived from patients with maple syrup urine disease. Indo Y, et al. **J Clin Invest** 1987 Jul;80(1):63–70

METABOLISM

Effect of insulin on leucine kinetics in maple syrup urine disease. Collins JE, et al. **Pediatr Res** 1987 Jan;21(1):10–3

VETERINARY

Ultrastructural findings in maple syrup urine disease in Poll Hereford calves. Harper PA, et al. **Acta Neuropathol (Berl)** 1986;71(3–4):316–20

MAPROTILINE see under **ANTHRACENES**

MAPS

Selecting colour codes for a computer-generated topographic map based on perception experiments and functional requirements. Spiker A, et al. **Ergonomics** 1986 Nov;29(11):1313–28

MARASMUS see **PROTEIN-CALORIE MALNUTRITION**

MARBURG VIRUS see under **RHABDOVIRIDAE**

MARCHIAFAVA-MICHELI SYNDROME see **HEMOGLOBINURIA, PAROXYSMAL**

MAREK'S DISEASE

BLOOD

The effects of 105K glycoprotein (105Kgp), purified from Marek's disease tumor-bearing chicken sera, on tumor cell growth. Matsuda H, et al. **Nippon Juigaku Zasshi** 1986 Oct; 48(5):1021–3

Acid alpha naphthyl acetate esterase reacting lymphocytes in the peripheral blood of chickens challenged with Marek's disease after vaccination with three different vaccines. Pruthi AK, et al. **Res Vet Sci** 1987 Jul;43(1):92–6

DIAGNOSIS

An improved ELISA method, using a streptavidin-biotin complex, for detecting Marek's disease virus antigens in feather-tips of infected chickens. Davidson I, et al. **J Virol Methods** 1986 Nov;14(3–4):237–41

IMMUNOLOGY

Monoclonal antibody to chicken fetal antigen on Marek's disease lymphoblastoid cell line MDCC-MSB1. Ohashi K, et al. **Cancer Res** 1986 Nov;46(11):5858–63

Chicken thymocyte-specific antigens identified by monoclonal antibodies: characterization and distribution in normal tissues and in tumoral tissues from Marek's disease chicken. Mazzella O, et al. **Hybridoma** 1986 Winter; 5(4):319–28

Suppression of NK activity of spleen cells by chicken fetal antigen present on Marek's disease lymphoblastoid cell line cells. Ohashi K, et al. **Int J Cancer** 1987 Sep 15;40(3):378–82

Suppression of IgM production and its mechanism in chicks transplanted with Marek's disease lymphoma cell lines. Konagaya K, et al. **Nippon Juigaku Zasshi** 1987 Feb; 49(1):191–3

Immunocompetences and Marek's disease resistance in three pairs of chicken lines selected for different immunological characters. Okada I, et al. **Poult Sci** 1987 May;66(5):769–73

Association of Marek's disease with Ea-B and immune response genes in subline and F2 populations of the Iowa State S1 Leghorn line. Steadham EM, et al. **Poult Sci** 1987 Apr;66(4):571–5

MICROBIOLOGY

Experimental studies on Marek's disease in Japanese quail (Coturnix coturnix japonica). Pradhan HK, et al. **Avian Dis** 1987 Apr-Jun;31(2):225–33

PATHOLOGY

Feather-pulp lesions in chickens with naturally occurring Marek's disease lymphomas. Moriguchi R, et al. **Avian Dis** 1987 Jan-Mar;31(1):156–68

PREVENTION & CONTROL

A study of Marek's disease in Japanese quails vaccinated with herpesvirus of turkeys. Kobayashi S, et al. **Avian Dis** 1986 Oct-Dec;30(4):816–9

Immunization of chickens against Marek's disease with cell-free supernatant from the JMV-1 lymphoblastoid cell line. Keller LH, et al. **Prog Clin Biol Res** 1987;238:265–79

Efficacy of a bivalent vaccine against Marek's disease. Pruthi AK, et al. **Res Vet Sci** 1987 Mar;42(2):145–9

[The effect of short-term isolation of vaccinated chicks on the incidence of Marek's disease] Pospíšil Z, et al. **Vet Med (Praha)** 1986 Sep;31(9):541–50 (Eng. Abstr.) **(Cze)**

MAREK'S DISEASE VIRUS

ANALYSIS

Analysis of Marek's disease virus serotype 1-specific phosphorylated polypeptides in virus-infected cells and Marek's disease lymphoblastoid cells. Nakajima K, et al. **J Gen Virol** 1987 May;68 (Pt 5):1379–89

DRUG EFFECTS

Effect of acyclovir on the replication of turkey herpesvirus and Marek's disease virus. Samorek-Salamonowicz E, et al. **Res Vet Sci** 1987 May;42(3):334–8

GENETICS

Copy number of tandem direct repeats within the inverted repeats of Marek's disease virus DNA. Kanamori A, et al. **Biken J** 1986 Dec;29(3–4):83–9

Establishment and characterization of a T-lymphoblastoid cell line MDCC-MTB1 derived from chick lymphocytes infected in vitro with Marek's disease virus serotype 1. Ikuta K, et al. **Int J Cancer** 1987 Apr 15;39(4):514–20

Methylation of Marek's disease virus DNA in chicken T-lymphoblastoid cell lines. Kanamori A, et al. **J Gen Virol** 1987 May;68 (Pt 5):1485–90

Identification of the gene encoding Marek's disease herpesvirus A antigen. Isfort RJ, et al. **J Virol** 1987 Aug; 61(8):2614–20

Restriction enzyme map of herpesvirus of turkey DNA and its collinear relationship with Marek's disease virus DNA. Igarashi T, et al. **Virology** 1987 Apr;157(2):351–8

IMMUNOLOGY

An improved ELISA method, using a streptavidin-biotin complex, for detecting Marek's disease virus antigens in feather-tips of infected chickens. Davidson I, et al. **J Virol Methods** 1986 Nov;14(3–4):237–41

Preparation of monoclonal antibodies against Marek's disease virus and herpesvirus of turkeys. Hirose H, et al. **Nippon Juigaku Zasshi** 1986 Dec;48(6):1263–6

Immunization of chickens against Marek's disease with cell-free supernatant from the JMV-1 lymphoblastoid cell line. Keller LH, et al. **Prog Clin Biol Res** 1987;238:265–79

Efficacy of a bivalent vaccine against Marek's disease. Pruthi AK, et al. **Res Vet Sci** 1987 Mar;42(2):145–9

PATHOGENICITY

Experimental studies on Marek's disease in Japanese quail (Coturnix coturnix japonica). Pradhan HK, et al. **Avian Dis** 1987 Apr-Jun;31(2):225–33

MARFAN SYNDROME

The Marfan syndrome. Pyeritz RE. **Am Fam Physician** 1986 Dec;34(6):83–94

COMPLICATIONS

New Marfanoid syndrome with craniosynostosis. Furlong J, et al. **Am J Med Genet** 1987 Mar;26(3):599–604

Marfan's syndrome: cardiovascular manifestations. Silver W, et al. **Angiology** 1976 Apr;27(4):262–4

Marfan's syndrome and schizophrenia: a case report [letter] Romano J, et al. **Arch Gen Psychiatry** 1987 Feb;44(2):190–2

Reversed offsetting of the septal attachments of the atrioventricular valves and Ebstein's malformation of the morphologically mitral valve. Leung M, et al. **Br Heart J** 1987 Feb;57(2):184–7

Anaesthesia and Marfan's syndrome: case report. Wells DG, et al. **Can J Anaesth** 1987 May;34(3 (Pt 1)):311–4

Severe spondylolisthesis and scoliosis in association with Marfan's syndrome. Case report and review of the literature. Taylor LJ. **Clin Orthop** 1987 Aug;(221):207–11

Bilateral coloboma of lens in Marfan's syndrome. Mehrotra AS, et al. **Indian J Ophthalmol** 1985 May-Jun;33(3):201–2

Marfan's syndrome associated with epilepsy and mental deficiency. Agarwal T, et al. **J Assoc Physicians India** 1986 Aug;34(8):594–5

Association of Marfan's syndrome and epilepsy [letter] Taly AB, et al. **J Assoc Physicians India** 1987 Mar;35(3):247

Ductus arteriosus aneurysm in Marfan syndrome. Müller NL, et al. **J Can Assoc Radiol** 1986 Sep;37(3):195–7

Pulmonary tuberculosis in Marfan's syndrome. Jain VK, et al. **J Indian Med Assoc** 1986 Apr;84(4):119–20

Bilateral aniridia with Marfan's syndrome and dental anomalies--a new association. Sachdev MS, et al. **Jpn J Ophthalmol** 1986;30(4):360–6

Pulmonary hyperinflation and emphysema in infants with the Marfan syndrome. Dominguez R, et al. **Pediatr Radiol** 1987; 17(5):365–9

Infective endocarditis in Marfan's syndrome--a case report. Goh KL, et al. **Singapore Med J** 1986 Oct;27(5):446–9

[Spontaneous pneumothorax associated with Marfan's syndrome (report of 3 cases with review of literature)] Yao TQ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1987 Feb;10(1):30–1, 62 (Eng. Abstr.) **(Chi)**

[Retinal detachment and Marfan's syndrome] Evain B, et al. **Bull Soc Ophtalmol Fr** 1986 Jun-Jul;86(6–7):875–82 (Eng. Abstr.) **(Fre)**

[Hepatic peliosis in bacterial endocarditis in a child with Marfan's disease (letter)] Pautard JC, et al. **Presse Med** 1986 Nov 8;15(39):1973–4 **(Fre)**

[Marfan's disease and familial neuropathy with sausage-shaped swelling. A case of fortuitous association] Eymard B, et al. **Rev Neurol (Paris)** 1986;142(8–9):703–5 (Eng. Abstr.) **(Fre)**

[A case report of the Cabrol technic using a ringed composite graft in annuloaortic ectasia and aortic valve insufficiency] Otaki M, et al. **Kyobu Geka** 1987 Mar;40(4):307–10 (Eng. Abstr.) **(Jpn)**

[One stage operation of pectus excavatum and annulo aortic ectasia associated with Marfan's syndrome] Yamaguchi A, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Oct; 34(10):1867–71 (Eng. Abstr.) **(Jpn)**

[Marfan syndrome and pregnancy. A life-threatening combination?] Brabrand K, et al. **Tidsskr Nor Laegeforen** 1987 Apr 10;107(10–11):939–40 (Eng. Abstr.) **(Nor)**

[Ventricular extrasystole and syncope in a patient with Marfan syndrome] Piwowarska W, et al. **Wiad Lek** 1986 Oct 1;39(19):1345–9 (Eng. Abstr.) **(Pol)**

[Marfan syndrome with absolute glaucoma and secondary unilateral scleral ectasis] Pop D, et al. **Rev Chir [Oftalmol]** 1987 Apr-Jun;31(2):143–8 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

Marfan syndrome in Chinese. Lu BX, et al. **Chin Med J [Engl]** 1986 Oct;99(10):829–31

A long, thin infant with congestive heart failure. Agarwala BN. **Hosp Pract [Off]** 1987 Sep 15;22(9):190–2, 195–6

Nuclear magnetic resonance imaging in Marfan's syndrome. Schaefer S, et al. **J Am Coll Cardiol** 1987 Jan;9(1):70–4

MR imaging of the thoracic aorta in Marfan patients. Kersting-Sommerhoff BA, et al. **J Comput Assist Tomogr** 1987 Jul-Aug;11(4):633–9

Spinal deformity in Marfan syndrome. Birch JG, et al. **J Pediatr Orthop** 1987 Sep-Oct;7(5):546–52

Echocardiographic follow-up in Marfan's syndrome: mitral, tricuspid, and aortic valve prolapse with calcification of patent foramen ovale. Petitalot JP, et al. **JCU** 1986 Nov-Dec;14(9):707–11

Marfan syndrome diagnosed in patients 32 years of age or older. Chan KL, et al. **Mayo Clin Proc** 1987 Jul; 62(7):589–94

Inflamed eye in Marfan's syndrome with posteriorly luxated lens. Croxatto JO, et al. **Ophthalmologica** 1986; 193(1–2):23–6

Pulmonary emphysema in a neonate with Marfan syndrome. Day DL, et al. **Pediatr Radiol** 1986;16(6):518–21

[Marfan's or Marfan-like syndrome: value of echocardiography] Petitalot JP, et al. **Rev Med Interne** 1987 Jan-Feb;8(1):27–36 (Eng. Abstr.) **(Fre)**

[A rare finding in Marfan's syndrome: contracture of a large joint] Sadile F, et al. **Arch Putti Chir Organi Mov** 1985; 35:419–23 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Marfan syndrome: exclusion of genetic linkage to the COL1A2 gene. Tsipouras P, et al. **Clin Genet** 1986 Nov; 30(5):428–32

Clinical and genetic heterogeneity of the Marfan syndrome. Pope FM, et al. **Curr Probl Dermatol** 1987;17:95–110

Exclusion of the alpha 2(I) and alpha 1(III) collagen genes as the mutant loci in a Marfan syndrome family. Dalgleish R, et al. **J Med Genet** 1987 Mar;24(3):148–51

Congenital contractural arachnodactyly. Forbes D, et al. **Med J Aust** 1983 Feb 5;1(3):128

HISTORY

Rachmaninov and Marfan's syndrome. Young DA. **Br Med J [Clin Res]** 1986 Dec 20-27;293(6562):1624–6

The arthritis of Mary Queen of Scots: due to Marfan's syndrome? Buchanan WW. **Clin Rheumatol** 1986 Sep; 5(3):419–20

[An unrecognized case of Marfan syndrome: Talleyrand's case] Lacheretz M. **Bull Acad Natl Med (Paris)** 1986 Nov; 170(8):1033–40 (Eng. Abstr.) **(Fre)**

METABOLISM

Studies on collagen metabolism in the Marfan syndrome. Müller KP, et al. **Eur J Clin Invest** 1987 Jun;17(3):218–25

PATHOLOGY

A severe form of congenital contractural arachnodactyly in two newborn infants. Currarino G, et al. **Am J Med Genet** 1986 Dec;25(4):763–73

Marfan's syndrome in a neonate. Rammurthy DV, et al. **Indian Pediatr** 1986 Nov;23(11):956–9

[Marfan's syndrome with testicular ectopy] Sipione C, et al. **Minerva Pediatr** 1986 Oct 31;38(20):933–6 (Eng. Abstr.) **(Ita)**

[Marfan's disease in a pregnant woman and her fetus] Bubnova NI. **Arkh Patol** 1986;48(9):59–61 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Biliary tract manifestations of the Marfan syndrome. Merza AP, et al. **Am J Gastroenterol** 1987 Aug;82(8):779–82

Pulmonary function in the Marfan syndrome. Streeten EA, et al. **Chest** 1987 Mar;91(3):408–12

RADIOGRAPHY

Congenital contractural arachnodactyly. Travis RC, et al. **Br J Radiol** 1985 Nov;58(695):1115–7

Acetabular protrusion in the Marfan syndrome. Kuhlman JE, et al. **Radiology** 1987 Aug;164(2):415–7

[Digital subtraction angiography of patients with Marfan's syndrome] Rauber K, et al. **Digitale Bilddiagn** 1987 Jun; 7(2):90–3 (Eng. Abstr.) **(Ger)**

SURGERY

[A case of Marfan's syndrome with funnel chest and type I dissecting aneurysm combined with annuloaortic ectasia] Tanji M, et al. **Kyobu Geka** 1987 Jun;40(7):572–6 (Eng. Abstr.) **(Jpn)**

[A turnover operation for funnel chest at the time of mitral valve replacement and simple ligature and excision of pulmonary cysts] Yagi Y, et al. **Kyobu Geka** 1986 Jul; 39(7):565–8 (Eng. Abstr.) **(Jpn)**

MARGARINE

[Comparative evaluation of the hypolipidemic action of sunflower oil and "Zdorov'e" margarine incorporated into the anti-atherosclerotic diet of ischemic heart disease patients] Meshcheriakova VA, et al. **Vopr Pitan** 1987 Jan-Feb;(1):10–3 (Eng. Abstr.) **(Rus)**

MARGINAL ULCER see under PEPTIC ULCER

MARIDOMYCINS see LEUCOMYCINS

MARIE-BAMBERGER DISEASE see OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC

MARIE-STRUEMPELL DISEASE see SPONDYLITIS, ANKYLOSING

MARIHUANA see CANNABIS

MARIHUANA ABUSE see CANNABIS ABUSE

MARINE BIOLOGY

see related
OCEANOGRAPHY
PLANKTON

Bacteriology of the marine environment: implications for clinical therapy. Auerbach PS, et al. **Ann Emerg Med** 1987 Jun;16(6):643–9

Toxicity of five shale oils to fish and aquatic invertebrates. Woodward DF, et al. **Arch Environ Contam Toxicol** 1987 Mar;16(2):239–46

The Marine Biological Laboratory at Woods Hole. Liles G. **Bioessays** 1987 Apr;6(4):183–6

Antineoplastic and antimicrobial activities of marine organisms. Fathi-Afshar R, et al. **Proc West Pharmacol Soc** 1987;30:131–5

[Marine substances] Lindequist U, et al. **Pharmazie** 1987 Jan; 42(1):1–10 (170 ref.) **(Ger)**

[Medico-biological evaluation of the quality and prospects for the use of various proteins from sea products] Vysotskii VG, et al. **Vestn Akad Med Nauk SSSR** 1986;(12):10–6 (Eng. Abstr.) **(Rus)**

HISTORY

Norwegian zoologist adds to the understanding of life cycles of marine life. Shampo MA, et al. **Mayo Clin Proc** 1987 Aug;62(8):688

[One hundred years of marine biology and biological oceanography at the Edouard Van Beneden Institute of Zoology] Godeaux J. **Rev Med Liege** 1986 Oct 15; 41(20):786–9 **(Fre)**

MARINE TOXINS

Shellfish and fish poisoning related to the toxic dinoflagellates. Sakamoto Y, et al. **South Med J** 1987 Jul; 80(7):866–72 (98 ref.)

Red tide (Ptychodiscus brevis) toxin aerosols: a review. Pierce RH. **Toxicon** 1986;24(10):955–65

ANALYSIS

A rapid analysis of water for anatoxin a, the unstable toxic alkaloid from Anabaena flos-aquae, the stable non-toxic alkaloids left after bioreduction and a related amine which may be nature's precursor to anatoxin a. Smith RA, et al. **Vet Hum Toxicol** 1987 Apr;29(2):153–4

BIOSYNTHESIS

A study of toxin production by Gambierdiscus toxicus in culture. Durand-Clement M. **Toxicon** 1986; 24(11–12):1153–7

ISOLATION & PURIFICATION

Toxic peptides from freshwater cyanobacteria (blue-green algae). I. Isolation, purification and characterization of peptides from Microcystis aeruginosa and Anabaena flos-aquae. Krishnamurthy T, et al. **Toxicon** 1986; 24(9):865–73

Local differences in toxin composition of a xanthid crab Atergatis floridus inhabiting Ishigaki Island, Okinawa. Noguchi T, et al. **Toxicon** 1986;24(7):705–11

Blockage of resting potassium conductance in frog muscle fibers by a toxin isolated from the sponge Haliclona viridis. Sevcik C, et al. **Toxicon** 1986;24(8):851–60

Isolation and spectral characteristics of four toxins from the dinoflagellate Ptychodiscus brevis. Whitefleet-Smith J, et al. **Toxicon** 1986;24(11–12):1075–90

METABOLISM

Allosteric modulation of neurotoxin binding to voltage-sensitive sodium channels by Ptychodiscus brevis toxin 2. Sharkey RG, et al. **Mol Pharmacol** 1987 Mar; 31(3):273–8

Distribution of Microcystis aeruginosa peptide toxin and interactions with hepatic microsomes in mice. Brooks WP, et al. **Pharmacol Toxicol** 1987 Mar;60(3):187–91

PHARMACODYNAMICS

Maitotoxin stimulates steroid and peptide hormone secretion by swine luteal tissue. Veldhuis JD, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):E8–12

A theoretical discourse on the pharmacology of toxic marine ingestions. Sims JK. **Ann Emerg Med** 1987 Sep; 16(9):1006–15 (39 ref.)

Effects of maitotoxin on ionic and secretory events in rat pancreatic islets. Lebrun P, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):172–7

Effect of endoperoxides from marine origin on 3-hydroxy-3-methylglutaryl-CoA reductase (HMGR) activity of infant skin fibroblasts in culture. Guyot M, et al. **Biomed Pharmacother** 1986;40(5):195–7

Nerve membrane sodium channels as the target site of brevetoxins at neuromuscular junctions. Atchison WD, et al. **Br J Pharmacol** 1986 Dec;89(4):731–8

Maitotoxin and Bay-K-8644: two putative calcium channel activators with different effects on endogenous dopamine release from tuberoinfundibular neurons. Taglialatela M, et al. **Brain Res** 1986 Sep 3;381(2):356–8

Anatoxin-a a potent ligand for nicotinic cholinergic receptors in rat brain. Zhang X, et al. **Eur J Pharmacol** 1987 Mar 31;135(3):457–8

Ciguatoxin and brevetoxins share a common receptor site on the neuronal voltage-dependent Na+ channel. Lombet A, et al. **FEBS Lett** 1987 Jul 27;219(2):355–9

Acetylcholine receptor-controlled ion translocation caused by phenyltrimethylammonium and nereistoxin: simple estimation of equilibrium constants of the minimal model. Aoshima H, et al. **J Biochem (Tokyo)** 1987 Feb; 101(2):347–55

Mechanism of action of the marine natural product stypoldione: evidence for reaction with sulfhydryl groups. O'Brien ET, et al. **J Med Chem** 1986 Oct;29(10):1851–5

Activation of calcium channels by maitotoxin. Login IS, et al. **Methods Enzymol** 1987;141:63–79

Allosteric modulation of neurotoxin binding to voltage-sensitive sodium channels by Ptychodiscus brevis toxin 2. Sharkey RG, et al. **Mol Pharmacol** 1987 Mar; 31(3):273–8

Direct and indirect effects of ciguatoxin on guinea-pig atria and papillary muscles. Lewis RJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Nov; 334(3):313–22

POISONING

Ciguatera toxicity. Lange WR. **Am Fam Physician** 1987 Apr; 35(4):177–82

The neuro-ophthalmologic signs of ciguatera poisoning: a case report. Hamburger HA. **Ann Ophthalmol** 1986 Oct; 18(10):287–8

Ciguatera. Broadbent G. **Aust Fam Physician** 1987 Feb; 16(2):127, 129

Ciguatera in Australia. Occurrence, clinical features, pathophysiology and management. Gillespie NC, et al. **Med J Aust** 1986 Dec 1–15;145(11–12):584–90

What on earth is ciguatera? [editorial] Sutherland SK. **Med J Aust** 1986 Dec 1–15;145(11–12):558–9

Neurotoxic fish poisoning in the Solomon Islands. Eason RJ, et al. **Papua New Guinea Med J** 1987 Mar;30(1):49–52

Prostaglandin associated mortality following intravenous injection of catfish epidermal secretions in rabbits. Al-Hassan JM, et al. **Prostaglandins Leukotrienes Med** 1987 Jun;28(1):95–102

Disease and development: ciguatera fish poisoning. Lewis ND. **Soc Sci Med** 1986;23(10):983–93

Scombroid poisoning: mini-review with case histories. Russell FE, et al. **Toxicon** 1986;24(10):967–73

Ciguatera fish poisoning in a Jamaican family. Maharaj SR, et al. **West Indian Med J** 1986 Dec;35(4):321–3

[Determination of the neurotoxic esterase in neurologic pathology of toxic origin. Measurement in human lymphocytes in poisoning by organophosphates, ciguatera and ethyl alcohol] Fournier L, et al. **Ann Med Interne (Paris)** 1987;138(3):169–72 (Eng. Abstr.) **(Fre)**

[Persistent myasthenia-like manifestations after ciguatera poisoning. Beneficial effect of anticholinesterases (letter)] Donnet A, et al. **Presse Med** 1987 Apr 25;16(15):734 **(Fre)**

[Neurologic manifestations of ciguatera. 3 cases with a neurophysiologic study and examination of one nerve biopsy] Allsop JL, et al. **Rev Neurol (Paris)** 1986; 142(6–7):590–7 (Eng. Abstr.) **(Fre)**

[Ciguatera, health and development in French Polynesia] Bagnis R. **Union Med Can** 1986 Aug;115(8):502–6 (Eng. Abstr.) **(Fre)**

TOXICITY

Lower airway smooth muscle contraction induced by Ptychodiscus brevis (red tide) toxin. Shimoda T, et al. **J Allergy Clin Immunol** 1987 Jun;79(6):899–908

Use of freshly prepared rat hepatocytes to study toxicity of blooms of the blue-green algae Microcystis aeruginosa and Oscillatoria agardhii. Aune T, et al. **J Toxicol Environ Health** 1986;19(3):325–36

Ultrastructural changes in the mouse liver induced by hepatotoxin from the freshwater cyanobacterium Microcystis aeruginosa strain 7820. Dabholkar AS, et al. **Toxicon** 1987;25(3):285–92

Histopathological studies on experimental marine toxin poisoning. I. Ultrastructural changes in the small intestine and liver of suckling mice induced by dinophysistoxin-1 and pectenotoxin-1. Terao K, et al. **Toxicon** 1986; 24(11–12):1141–51

MARINESCO-SJOGREN SYNDROME see SPINOCEREBELLAR DEGENERATIONS

MARITAL RELATIONSHIP see MARRIAGE

MARITAL THERAPY

Combination of psychotherapy and drugs in the treatment of neurosis. A controlled comparison of bromazepam and thioridazine. Dencker SJ, et al. **Acta Psychiatr Scand** 1986 Dec;74(6):569–75

Divorce mediation. Emery RE, et al. **Am Psychol** 1987 May; 42(5):472–80

Implications of the behavioral sex therapies for psychoanalytic theory and practice: intrapsychic sequelae of symptom removal in the patient and spouse. Segraves RT. **J Am Acad Psychoanal** 1986 Oct;14(4):485–93

Treatment of sexual disorder: a prophylaxis for major pathology? Kellett JM. **J R Coll Physicians Lond** 1987 Jan; 21(1):58–60

Motivation in conjoint therapy. Miles JE. **J Sex Marital Ther** 1980 Fall;6(3):205–13

Sex therapy outcome research: a reappraisal of methodology. I. A treatment study of male sexual dysfunction. Bancroft J, et al. **Psychol Med** 1986 Nov;16(4):851–63

[Are treatment terminations therapeutic failures? A catamnestic study of patients with functional sexual disorders] Buddeberg C, et al. **Psychother Psychosom Med Psychol** 1986 Sep–Oct; 36(9–10):295–300 (Eng. Abstr.) **(Ger)**

[Management of partners and relatives of geriatric patients] Kaufmann R. **Psychother Psychosom Med Psychol** 1986 Nov;36(11):344–6 (Eng. Abstr.) **(Ger)**

[Marital therapy in general practice] Fortuna D. **Przegl Lek** 1986;43(7):490–5 **(Pol)**

METHODS

The treatment of sexually unresponsive women: a comparative evaluation. Whitehead A, et al. **Behav Res Ther** 1987;25(3):195–205

Marital therapy outcome measured by therapist, client, and behavior change. Cline VB, et al. **Fam Process** 1987 Jun; 26(2):255–67

Confronting internalized oppression in sex therapy with lesbians. Brown LS. **J Homosex** 1986 May;12(3–4):99–107

Readability assessment of questionnaires frequently used in sex and marital therapy. Jensen BJ, et al. **J Sex Marital Ther** 1987 Summer;13(2):137–41

The treatment of secondary orgasmic dysfunction II. Kilmann PR, et al. **J Sex Marital Ther** 1987 Summer; 13(2):93–105

Prescribing sensate focus without proscribing intercourse.

Lipsius SH. **J Sex Marital Ther** 1987 Summer;13(2):106–16
A system of group therapy for the treatment of marital and sexual dysfunction. Reckless J, et al. **J Sex Marital Ther** 1980 Fall;6(3):199–204
Sexual therapy for the post coronary patient. Sanders JD, et al. **J Sex Marital Ther** 1980 Fall;6(3):174–86
Comparative effectiveness of three types of spouse involvement in outpatient behavioral alcoholism treatment. McCrady BS, et al. **J Stud Alcohol** 1986 Nov;47(6):459–67

TRENDS

[Changing spectrum of responsibilities in marital and sexual counseling] Löffler A, et al. **Z Gesamte Hyg** 1987 Mar; 33(3):156–8 (Eng. Abstr.) **(Ger)**

MARKER, DNA see **GENETIC MARKER**

MARKER, GENETIC see **GENETIC MARKER**

MARKETING OF HEALTH SERVICES

The marketing of interpreter services for the deaf. Warner HC. **Am Ann Deaf** 1986 Dec;131(5):365–6
Business principles in an orthodontic practice. Part II. Shia GJ. **Am J Orthod Dentofacial Orthop** 1986 Dec;90(6):513–8
Perinatal market penetration rate. A tool to evaluate regional perinatal programs. Powers WF, et al. **Am J Perinatol** 1987 Jan;4(1):24–8
Teaching non-OR nurses. Marketing education programs to hospitals. Klein KL, et al. **AORN J** 1987 Jan;45(1):133, 136–7
Customers versus patients. A marketing perspective on health care. Taylor T. **AORN J** 1987 Jan;45(1):117, 120–30
Public awareness of two dental health campaigns with different marketing strategies. Kraft P, et al. **Community Dent Health** 1986 Dec;3(4):321–8
Marketing and public relations in the emergency department. Mayer TA, et al. **Emerg Med Clin North Am** 1987 Feb; 5(1):83–102
Marketing physician services in an academic medical center. Eudes JA, et al. **Health Care Manage Rev** 1987 Winter; 12(1):37–45
Viewpoint: why a medical staff marketing committee is needed. Johnson EA. **Health Care Manage Rev** 1987 Winter;12(1):87–91
Loyalty of hospital patients: a vital marketing objective. MacStravic RS. **Health Care Manage Rev** 1987 Spring; 12(2):23–30
Appropriate measures of hospital market areas. Garnick DW, et al. **Health Serv Res** 1987 Apr;22(1):69–89
Social work, survival, and the commercialization of health care. The newest challenge. Reynolds JJ. **Health Soc Work** 1987 Summer;12(3):231–2
Social work, survival, and the commercialization of health care. The agency as client. Romano MD. **Health Soc Work** 1987 Summer;12(3):232–3
Marketing physician practices: developing an action plan for success. Steiner B, et al. **Henry Ford Hosp Med J** 1986; 34(4):257–62
Syndicated ads: creative or pasteurized? Droste T. **Hospitals** 1987 Oct 5;61(19):53, 56, 58
Physician marketing pays off in admissions. Droste T. **Hospitals** 1987 Oct 5;61(19):48, 53
Room to expand home care business in 1987. Lerman D. **Hospitals** 1987 Jan 5;61(1):51
A showdown in marketing to elderly patients? Newald J. **Hospitals** 1986 Oct 20;60(20):64
Targeting the physician market: a model. Newbold PA, et al. **Hospitals** 1987 Jun 20;61(12):FB62, FB64, FB66 passim
Life-styles of the not-so-famous key: Swenson. Powills S. **Hospitals** 1987 Aug 5;61(15):38
Young MDs seek special programs for patients. Powills S. **Hospitals** 1987 Jul 5;61(13):40
Name changes: creating recall. Powills S. **Hospitals** 1987 Sep 20;61(18):39
Borgess markets neurology care to consumers. Powills S. **Hospitals** 1987 Sep 5;61(17):49–50
Majority of PPAs use direct sales. Powills S. **Hospitals** 1987 Jan 20;61(2):42
Marketing image: is it worth it? Powills S. **Hospitals** 1987 Jan 20;61(2):38, 40
Diversity key to targeting women's market. Powills S. **Hospitals** 1987 Feb 5;61(3):38–9
Market testing: hospitals' forgotten man? Powills S. **Hospitals** 1987 Feb 20;61(4):42, 44
Gregory goes for the big market: purchasers. Powills S. **Hospitals** 1987 Feb 20;61(4):44, 48
Strategic blindness plagues hospitals. Powills S. **Hospitals** 1987 Apr 20;61(8):52
Creating a niche aids consumer awareness. Powills S. **Hospitals** 1987 Apr 5;61(7):50
Hospitals pursue new superstars: famous physicians. Riffer J. **Hospitals** 1986 Nov 20;60(22):78
What PPAs give buyers: survey. Traska MR. **Hospitals** 1987 Jul 5;61(13):44–5
Converting unmet need for care to effective demand. Cohen LK. **Int Dent J** 1987 Jun;37(2):114–6
The corporatization of medicine. Introduction. Salmon JW. **Int J Health Serv** 1987;17(1):1–6
The proprietarization of health care and the underdevelopment of the public sector. Whiteis D, et al. **Int J Health Serv** 1987;17(1):47–64
Marketing approval for the lithotripter. Nightingale SL, et al. **Isr J Med Sci** 1986 Jul–Aug;22(7–8):519–23
Teaching nutrition to the fast food freaks: the application of marketing principles to teaching nutrition at the elementary school level. Campbell-Lindzey S. **J Am Diet Assoc** 1987 Sep;87(9 Suppl):S69–72
Creativity in marketing a nutrition counseling service. Edelman RD. **J Am Diet Assoc** 1986 Dec;86(12):1713–4
Applications of the marketing perspective in nutrition education. Fleming PL. **J Am Diet Assoc** 1987 Sep;87(9 Suppl):S64–8
Aging population presents marketing opportunities for dietitians. Foltz MB, et al. **J Am Diet Assoc** 1987 May; 87(5):633–5
Marketing a sports vision practice. Politzer MR. **J Am Optom Assoc** 1987 Feb;58(2):132–3
Understanding marketing for the veterinary practice [editorial] Gavzer K. **J Am Vet Med Assoc** 1987 May 15; 190(10):1254–5
Biomedical communication: the next chapter. Boutwell B, et al. **J Biocommun** 1987 Spring;14(2):4–6
The use of telemarketing in the community-wide prevention of heart disease: the Pawtucket Heart Health Program. Schwertfeger R, et al. **J Community Health** 1986 Fall; 11(3):172–80
Attitudes about marketing among Pennsylvania family physicians. MacLean DS, et al. **J Fam Pract** 1987 Sep; 25(3):293–5
Justice and competitive markets. Brody BA. **J Med Philos** 1987 Feb;12(1):37–50
Marketing assumes greater importance in medical practices [letter] Grossman RJ. **J Natl Med Assoc** 1986 Oct; 78(10):920
Using public relations to market nursing service. Camuñas C. **J Nurs Adm** 1986 Oct;16(10):26–30
Marketing: the creative advantage. Crawford M, et al. **J Nurs Adm** 1986 Dec;16(12):17–20
Nurse executives can mean business. Kirk R. **J Nurs Adm** 1986 Oct;16(10):7–10
Promoting intrepreneurship in the acute care setting. Strasen L. **J Nurs Adm** 1986 Nov;16(11):9–12
Health care providers: the future marketplace and regulations. Andrews LN. **J Prof Nurs** 1986 Jan–Feb; 2(1):51–63
Health education and the marketplace. West PA. **J R Soc Med** 1986;79 Suppl 13:8–10
JoAnn Woodward: opening channels of communication; marketing the NP role. Pearson LJ. **Nurse Pract** 1986 Nov; 11(11):55, 59–62
The power of the name. Pearson LJ. **Nurse Pract** 1987 Feb; 12(2):6–12
Market segmentation: the implications for dentistry. Bell JD, et al. **NZ Dent J** 1987 Jul;83(373):76–9
What to expect from a laboratory industry representative. Cox DO, et al. **Primary Care** 1986 Dec;13(4):691–7
Becoming a market-driven rehabilitation program: a case study. Boynton PS, et al. **Rehabil Lit** 1986 Jul–Aug; 47(7–8):174–8

ECONOMICS

How much should hospitals spend on advertising? McCarthy EJ. **Health Care Manage Rev** 1987 Winter;12(1):47–54
Marketing of health programs includes financial and promotional considerations. Chenoweth D. **Occup Health Saf** 1986 Dec;55(12):74–5

LEGISLATION & JURISPRUDENCE

Marketing across state lines opens door to lawsuits. Burda D. **Hospitals** 1986 Oct 5;60(19):48
Waiving Medicare deductibles: illegal tactic? Powills S. **Hospitals** 1987 Mar 5;61(5):38–9

METHODS

Conducting a feasibility analysis for freestanding ambulatory surgery centers. Parsons RJ, et al. **AORN J** 1986 Dec; 44(6):1026–33
Rurals find Madison Avenue. McCormick B. **Hospitals** 1987 May 5;61(9):44, 46
Hospital ad campaign targets CHAMPUS patients. Powills S. **Hospitals** 1987 Aug 20;61(16):38
Marketing rehab: not just another ad effort. Powills S. **Hospitals** 1987 Sep 20;61(18):38–9
Target 'codependent' in alcohol rehab ads. Powills S. **Hospitals** 1986 Oct 5;60(19):82, 84
Go for awareness, not demand, to market a hospice. Powills S. **Hospitals** 1986 Nov 20;60(22):68
Segment marketing: less costly, more efficient. Powills S. **Hospitals** 1987 Jan 20;61(2):38
Endresen adds psychology to market research. Powills S. **Hospitals** 1987 Jan 5;61(1):30–1
ED visits rise as hospitals learn how to compete. Riffer J. **Hospitals** 1986 Nov 5;60(21):82
For better practice relations. Silversin J. **Int Dent J** 1987 Jun;37(2):123–6
The market survey. Billingsley MC. **Nurse Pract** 1986 Dec; 11(12):58–9, 62
Marketing family planning services in New Orleans. Bertrand JT, et al. **Public Health Rep** 1987 Jul–Aug;102(4):420–6

ORGANIZATION & ADMINISTRATION

Learning by doing: strategic marketing management in hospitals. McDevitt P. **Health Care Manage Rev** 1987 Winter;12(1):23–30
Hospital sales efforts begin to take shape. Powills S. **Hospitals** 1986 Dec 5;60(23):56, 58

STANDARDS

For-profit psychiatric hospitals [letter] Buck RE. **Am J Psychiatry** 1987 Mar;144(3):395–6
Mistakes can be fatal to sales. Altman W. **Hospitals** 1987 Mar 20;61(6):70, 72

TRENDS

Marketing health promotion in Canada: an idea whose time has come. Ruderman AP. **Can J Public Health** 1986 Sep–Oct;77(5):315–9 **(Eng, Fre)**
Health care marketing: lots of talk, any action? Clarke RN, et al. **Health Care Manage Rev** 1987 Winter;12(1):31–6
For-profit marketing: cut losses, stress locals. Nelson S. **Hospitals** 1987 Jul 20;61(4):74, 76
Video: a promotional tool for the 1990s? Powills S. **Hospitals** 1987 May 20;61(10):42, 44
Women's health care market: here to stay? Powills S. **Hospitals** 1987 Jul 5;61(13):38, 40
Long-term needs shape hospital marketing. Powills S. **Hospitals** 1986 Dec 20;60(24):49–50
Niche marketing: is it profitable for hospitals? Powills S. **Hospitals** 1987 Apr 5;61(7):49–50
Management groups target segmented markets. Shahoda T. **Hospitals** 1987 Jan 20;61(2):104
$1.1 billion spent on hospital marketing in 1986. Steiber SR. **Hospitals** 1986 Nov 20;60(22):64
The changing climate of medical practice. Medical practice in the competitive market. Alper PR. **N Engl J Med** 1987 Feb 5;316(6):337–9
What's new in hospital marketing? Athy D. **Ohio State Med J** 1986 Nov;82(11):742–5
Marketing and advertising. A curse or a cure for hospital woes? Porter S. **Ohio State Med J** 1986 Nov;82(11):735–41

UTILIZATION

Will marketing ever grow up? Powills S. **Hospitals** 1987 Jun 5;61(11):42–7
About one in five hospitals has no inhouse marketing. Powills S. **Hospitals** 1986 Oct 20;60(20):62

MARKOV CHAINS see under **PROBABILITY**

MARMOSET VIRUS see under **HERPESVIRIDAE**

MARMOSETS see **CALLITHRICIDAE**

MARMOTA see under **SCIURIDAE**

MARRIAGE

Marital status and depression: a study of English national admission statistics. Bebbington P. **Acta Psychiatr Scand** 1987 Jun;75(6):640–50
Psychogenic pain: a study of marital adjustment. Hughes AM, et al. **Acta Psychiatr Scand** 1987 Feb;75(2):166–70
The adolescent in the remarriage family. Schwartzberg AZ. **Adolesc Psychiatry** 1987;14:259–70
Widowhood and mortality in an Armenian church parish in Lebanon. Armenian HK, et al. **Am J Epidemiol** 1987 Jan;125(1):127–32
Inbreeding and prereproductive mortality in the Old Order Amish. II. Genealogic epidemiology of prereproductive mortality [published erratum appears in Am J Epidemiol 1987 Aug;126(2):363] Khoury MJ, et al. **Am J Epidemiol** 1987 Mar;125(3):462–72
Sex ratio, paternal age, and duration of marriage [letter] James WH. **Am J Hum Genet** 1987 Mar;40(3):287–8
Marital mores as a mechanism for the maintenance of ethnic variations of lethal gene frequencies. McCormick DB, et al. **Am J Hum Genet** 1986 Oct;39(4):477–88
Mother-father-child interactions in families with a mentally retarded young child. Levy-Shiff R. **Am J Ment Defic** 1986 Sep;91(2):141–9
If you're married to a nurse... Richards G. **Am J Nurs** 1987 Aug;87(8):1116
Levels of Marital Conflict Model: a guide to assessment and intervention in troubled marriages. Weingarten H, et al. **Am J Orthopsychiatry** 1987 Jul;57(3):407–17
Sources of conflict in the medical marriage. Gabbard GO, et al. **Am J Psychiatry** 1987 May;144(5):567–72
"Moonies" get married: a psychiatric follow-up study of a charismatic religious sect. Galanter M. **Am J Psychiatry** 1986 Oct;143(10):1245–9
Emotional distress among spouses of psychiatric outpatients in Holland. Methorst GJ, et al. **Am J Psychother** 1987 Jul; 41(3):428–42
Spousal veto over family planning services. Cook RJ, et al. **Am J Public Health** 1987 Mar;77(3):339–44
Childbearing among young Latino women in the United States. Darabi KF, et al. **Am J Public Health** 1987 Jan; 77(1):25–8
Marriage to a smoker and lung cancer risk. Humble CG, et al. **Am J Public Health** 1987 May;77(5):598–602
Assortative mating in a contemporary British population.

Mascie-Taylor CG. **Ann Hum Biol** 1987 Jan-Feb; 14(1):59-68

Marital distances, age at marriage and husband's social group in a contemporary Cambridge sample. Mascie-Taylor CG. **Ann Hum Biol** 1986 Sep-Oct;13(5):411-5

Marital adjustment following spinal cord injury. Urey JR, et al. **Arch Phys Med Rehabil** 1987 Feb;68(2):69-74

Marital sex frequency and midcycle female testosterone. Morris NM, et al. **Arch Sex Behav** 1987 Feb;16(1):27-37

Marital counselling. Chung IM. **Aust Fam Physician** 1986 Aug;15(8):985-6, 988, 990

Managing marital stress. Richards D. **Aust Fam Physician** 1986 Aug;15(8):982, 984

Analysis and system: a marriage. Quadrio C. **Aust NZ J Psychiatry** 1986 Jun;20(2):219-24

Spouse similarities in personality items: changes over years of marriage and implications for mate selection. Guttman R, et al. **Behav Genet** 1987 Mar;17(2):179-89

Social inequality and assortative mating: cause or consequence? Heath AC, et al. **Behav Genet** 1987 Jan; 17(1):9-17

A reply to Heath et al. On assortative mating for educational level. Johnson RC, et al. **Behav Genet** 1987 Jan;17(1):1-7

Does conception before marriage matter? Golding J, et al. **Br J Obstet Gynaecol** 1987 Jan;94(1):38-43

Marital adjustment, intimacy and needs in female agoraphobics and their partners: a controlled study. Arrindell WA, et al. **Br J Psychiatry** 1986 Nov;149:592-602

Social support and married agoraphobic women. Pyke J, et al. **Can J Psychiatry** 1987 Mar;32(2):100-4

The relationship of childhood experience to the quality of marriage. Truant GS, et al. **Can J Psychiatry** 1987 Mar; 32(2):87-92

Types of marital intimacy and prevalence of emotional illness. Waring EM, et al. **Can J Psychiatry** 1986 Nov;31(8):720-6

A recent survey of consanguineous marriages in Japan. Imaizumi Y. **Clin Genet** 1986 Sep;30(3):230-3

The effect of marital status at first birth on marital dissolution among adolescent mothers. Billy JO, et al. **Demography** 1986 Aug;23(3):329-49

Age patterns of women at marriage, cohabitation, and first birth in India. Bloom DE, et al. **Demography** 1986 Nov; 23(4):509-23

Bust after boom: first marriage trends in Australia. Carmichael GA. **Demography** 1987 May;24(2):245-64

Rural Punjabi social organization and marriage timing strategies in Pakistan. Fricke TE, et al. **Demography** 1986 Nov;23(4):489-508

A comment on Elwood Carlson's "The impact of international migration upon the timing of marriage and childbearing". Santow G. **Demography** 1986 Aug; 23(3):467-71

The influence of individual and historical time on marital dissolution. Thornton A, et al. **Demography** 1987 Feb; 24(1):1-22

Marriage and childbearing in relation to cervical cancer. de Graaff J, et al. **Eur J Obstet Gynecol Reprod Biol** 1977; 7(5):307-12

Elucidating differences in teenage pregnancy [letter] Loken GA. **Fam Plann Perspect** 1987 Mar-Apr;19(2):44, 90

The effects of the sequencing of marriage and first birth during adolescence. McLaughlin SD, et al. **Fam Plann Perspect** 1986 Jan-Feb;18(1):12-8

Circumplex Model VII: validation studies and FACES III. Olson DH. **Fam Process** 1986 Sep;25(3):337-51

The patient's partner: the spouse in residential care. Schmidt MG. **Health Soc Work** 1987 Summer;12(3):206-12

Wives' experiences in the support role after husbands' first myocardial infarction. Bramwell L. **Heart Lung** 1986 Nov; 15(6):578-84

The coping responses of female spouses of patients with myocardial infarction. Nyamathi AM. **Heart Lung** 1987 Jan;16(1):86-92

Crohn's disease in a married couple. Purrmann J, et al. **Hepatogastroenterology** 1987 Jun;34(3):132-3

Marital intimacy and neurosis. Waring EM, et al. **Hillside J Clin Psychiatry** 1984;6(1):79-89

Repetition of the same surnames in different marriages as an indication of the structure of the population of Sanday Island, Orkney Islands. Mascie-Taylor CG, et al. **Hum Biol** 1987 Feb;59(1):97-102

Similarity of behavior within addict couples. Part II. Addiction-related variables. Anglin MD, et al. **Int J Addict** 1987 Jul;22(7):583-607

The social context and resources of the unmarried in old age. Keith PM. **Int J Aging Hum Dev** 1986;23(2):81-96

Mortality, morbidity and marital features of travellers in the Irish Midlands. Flynn M. **Ir Med J** 1986 Nov;79(11):308-10

Divorce in the kibbutz: who is the initiator and why? Kaffman M, et al. **Isr J Psychiatry Relat Sci** 1986; 23(3):169-81

Self-perceived and independently observed competence of young adolescents as a function of parental marital conflict and recent divorce. Long N, et al. **J Abnorm Child Psychol** 1987 Mar;15(1):15-27

Marital stability in alcoholic-spouse relationships as a function of drinking pattern and location. Dunn NJ, et al. **J Abnorm Psychol** 1987 May;96(2):99-107

Psychopathology and marital distress: the positive side of positive symptoms. Hooley JM, et al. **J Abnorm Psychol** 1987 Feb;96(1):27-33

Depression and marital interaction: concordance between intent and perception of communication. Kowalik DL, et al. **J Abnorm Psychol** 1987 May;96(2):127-34

Type A, marital adjustment, and life stress. Blaney NT, et al. **J Behav Med** 1986 Oct;9(5):491-502

Mastery, stress, and coping in marriage among chronic pain patients. Elliott DJ, et al. **J Behav Med** 1986 Dec; 9(6):549-58

Risk-factor changes in wives with husbands at high risk of coronary heart disease (CHD): the spin-off effect. Sexton M, et al. **J Behav Med** 1987 Jun;10(3):251-61

Patterns of marital interaction associated with marital dissatisfaction and depression. Smolen RC, et al. **J Behav Ther Exp Psychiatry** 1986 Dec;17(4):261-6

Single women, voluntary childlessness and perceptions about life and marriage. Callan VJ. **J Biosoc Sci** 1986 Oct; 18(4):479-87

Marital relationships in couples seeking donor insemination. Humphrey M, et al. **J Biosoc Sci** 1987 Apr;19(2):209-19

Effect of nuptiality, contraception and breast-feeding on fertility in Bangladesh. Kabir M, et al. **J Biosoc Sci** 1987 Jul;19(3):345-50

Husband-wife similarities in different components of the WAIS IQ test. Mascie-Taylor CG, et al. **J Biosoc Sci** 1987 Apr;19(2):149-55

Differentials of fertility between polygynous and monogamous marriages in rural Bangladesh. Shaikh K, et al. **J Biosoc Sci** 1987 Jan;19(1):49-56

Parental characteristics and partner choice: some evidence for oedipal imprinting. Wilson GD, et al. **J Biosoc Sci** 1987 Apr;19(2):157-61

Marital and social adjustment in depressed and remarried women. Dobson KS. **J Clin Psychol** 1987 Mar;43(2):261-5

The effect of the content of suicide notes on grief reactions. Rudestam KE, et al. **J Clin Psychol** 1987 Mar;43(2):211-8

Marital discord and treatment outcome in behavioral treatment of child conduct disorders. Dadds MR, et al. **J Consult Clin Psychol** 1987 Jun;55(3):396-403

Comparison of marital observational measures: the Marital Interaction Coding System and the Communication Skills Test. Floyd FJ, et al. **J Consult Clin Psychol** 1987 Jun; 55(3):423-9

Functioning and life context among spouses of remitted and nonremitted depressed patients. Krantz SE, et al. **J Consult Clin Psychol** 1987 Jun;55(3):353-60

Preventive effects of Lamaze training for first-time parents: a short-term longitudinal study. Markman HJ, et al. **J Consult Clin Psychol** 1986 Dec;54(6):872-4

The impact of daily stressors on women's adjustment to marital separation. Oppenheimer K. **J Fam Pract** 1987 May; 24(5):507-11

The married woman's retirement decision: a methodological comparison. Campione WA. **J Gerontol** 1987 Jul; 42(4):381-6

Gender and marital status differences in control and distress: common stress versus unique stress explanations. Thoits PA. **J Health Soc Behav** 1987 Mar;28(1):7-22

Nature of spousal supportive behaviors that influence heart transplant patient compliance. Rogers KR. **J Heart Transplant** 1987 Mar-Apr;6(2):90-5

The impaired physician: the role of the spouse in recovery. Talbott GD. **J Med Assoc Ga** 1987 Mar;76(3):190-2

Marital support during pregnancy. Brown MA. **J Obstet Gynecol Neonatal Nurs** 1986 Nov-Dec; 15(6):475-83

Physical and psychological health of young adolescents: the relationship to gender and marital conflict. Forehand R, et al. **J Pediatr Psychol** 1987 Jun;12(2):191-201

Attribution processes in distressed and nondistressed couples: 4. Self-partner attribution differences. Fincham FD, et al. **J Pers Soc Psychol** 1987 Apr;52(4):739-48

Multiple roles, social networks, and women's well-being. Hirsch BJ, et al. **J Pers Soc Psychol** 1986 Dec;51(6):1237-47

Personality and compatibility: a prospective analysis of marital stability and marital satisfaction. Kelly EL, et al. **J Pers Soc Psychol** 1987 Jan;52(1):27-40

Relationship quality of partners in heterosexual married, heterosexual cohabiting, and gay and lesbian relationships. Kurdek LA, et al. **J Pers Soc Psychol** 1986 Oct; 51(4):711-20

Marital adjustment of headache sufferers and their spouses. Kunzer MB. **J Psychosoc Nurs Ment Health Serv** 1987 May;25(5):12-7

Impact of chronic pain on the spouse: marital, emotional and physical consequences. Flor H, et al. **J Psychosom Res** 1987;31(1):63-71

Type A behavior in housewives: relation to work, marital adjustment, stress, tension, health, fear-of-failure and self esteem. Houston BK, et al. **J Psychosom Res** 1987; 31(1):55-61

Marriage guidance counselling in general practice. Corney RH. **J R Coll Gen Pract** 1986 Sep;36(290):424-6

Sexual dysfunction and disorder patterns of husbands of working and nonworking women. Avery-Clark C. **J Sex Marital Ther** 1986 Winter;12(4):282-96

Sex therapy: an adjunct in the treatment of marital discord. Mobarak A, et al. **J Sex Marital Ther** 1986 Fall; 12(3):229-38

Marriage and mental health. Segraves RT. **J Sex Marital Ther** 1980 Fall;6(3):187-98

Premarital counseling as perceived by newlywed couples: an exploratory study. Stucky F, et al. **J Sex Marital Ther** 1986 Fall;12(3):221-8

Mortality rate of amyotrophic lateral sclerosis in Japan: effects of marital status and social class, and geographical variation. Imaizumi Y. **Jinrui Idengaku Zasshi** 1986 Jun; 31(2):101-11

Incidence of prostate cancer and marital status. Newell GR, et al. **JNCI** 1987 Aug;79(2):259-62

Patient-spouse agreement on the drinking behaviors of alcoholics. Davis LJ Jr, et al. **Mayo Clin Proc** 1987 Aug; 62(8):689-94

Re: 'Spouses' body image changes during and after pregnancy: a replication and extension' [letter] Fawcett J. **Nurs Res** 1987 Jul-Aug;36(4):220, 243

Adjustment of patients and husbands to the initial impact of breast cancer. Northouse LL, et al. **Nurs Res** 1987 Jul-Aug;36(4):221-5

Spousal differences in marital satisfaction during transition to parenthood. Tomlinson PS. **Nurs Res** 1987 Jul-Aug; 36(4):239-43

The "perfect" medical marriage: dispelling the myths. Edwards KS. **Ohio State Med J** 1986 Sep;82(9):601-5

Symposium: Dual careers in medicine. Mawardi BH, et al. **Proc Annu Conf Res Med Educ** 1984;23:375-82

The two-woman phenomenon. Weiss SS. **Psychoanal Q** 1987 Apr;56(2):271-86

Divorce, oedipal asymmetries, and the marital age gap. Chodorow NJ. **Psychoanal Rev** 1986 Winter;73(4):606-10

"For better and for worse"Ulanov AB. **Psychoanal Rev** 1986 Winter;73(4):618-20

Prediction of marital roles from normal and pathological dimensions of personality: 16 PF and MMPI. Barton K, et al. **Psychol Rep** 1986 Oct;59(2 Pt 1):459-68

Self-reported type A behavior and marital status. De Leo D, et al. **Psychol Rep** 1987 Feb;60(1):105-6

Effect of marital discord on parental reports on the Child Behavior Checklist. Rosenberg LA, et al. **Psychol Rep** 1986 Dec;59(3):1255-9

Marital quality, marital disruption, and immune function. Kiecolt-Glaser JK, et al. **Psychosom Med** 1987 Jan-Feb; 49(1):13-34

Silent partners: the wives of sleep apneic patients. Cartwright RD, et al. **Sleep** 1987 Jun;10(3):244-8

Religious endogamy and consanguinity in marriage patterns in Beirut, Lebanon. Klat M, et al. **Soc Biol** 1986 Spring-Summer;33(1-2):138-45

Age differences between spouses in first marriages. Mensch B. **Soc Biol** 1986 Fall-Winter;33(3-4):229-40

Legalization of consensual unions in Mexico. Pebley AR, et al. **Soc Biol** 1986 Fall-Winter;33(3-4):199-213

Breast feeding, birth interval and polygyny in Nigeria. Adewuyi AA. **Soc Sci Med** 1987;24(7):573-80

Marital status of persons with spinal cord injury. Brown JS, et al. **Soc Sci Med** 1986;23(3):313-22

Marital status, delay in seeking treatment and survival from breast cancer. Neale AV, et al. **Soc Sci Med** 1986; 23(3):305-12

Bearing illness: study of couples where the husband awaits coronary graft surgery. Radley A, et al. **Soc Sci Med** 1986; 23(6):577-85

Profile of the American wife. **Stat Bull Metrop Insur Co** 1987 Apr-Jun;68(2):18-21

Increased chances of a golden wedding anniversary. **Stat Bull Metrop Insur Co** 1986 Apr-Jun;67(2):2-6

[Training students in high schools for marriage and parenting] Novák T. **Cesk Pediatr** 1987 Feb;42(2):117-8 (Cze)

[Fundamental principals, errors and inadequacies in educating for marriage and parenthood] Novák T. **Cesk Pediatr** 1987 Mar;42(3):171 (Cze)

[Engagement, marriage, and parenthood in adolescence] Novák T. **Cesk Pediatr** 1987 Apr;42(4):243-4 (Cze)

[Increased infertility within marriage] Hamerlynck JV. **Ned Tijdschr Geneeskd** 1986 Nov 29;130(48):2171-4 (Dut)

[Evolution of the number of consanguineous marriages in the Netherlands (1906-1982)] van Straaten A. **Ned Tijdschr Geneeskd** 1986 Nov 1;130(44):1984-6 (Eng. Abstr.) (Dut)

[Role behavior of the sexes (female protective behavior)] Volk P, et al. **Beitr Gerichtl Med** 1986;44:423-34 (Eng. Abstr.) (Ger)

[Lichen sclerosus et atrophicus in a married couple] Zapolski-Downar A, et al. **Dermatol Monatsschr** 1987; 173(3):141-5 (Eng. Abstr.) (Ger)

[Union of the male and female—in partnership. Illustrated by interpretations and demonstrations from Hinduism and Tantric Buddhism] Kirchhoff H. **Geburtshilfe Frauenheilkd** 1986 Oct;46(10):757-9 (Eng. Abstr.) (Ger)

[Prepartal expectations, behavior in labor and the puerperium and postpartal satisfaction with the labor experience. I. Significance of partner and prenatal preparation] Ringler M, et al. **Geburtshilfe Frauenheilkd** 1986 Jul;46(7):432-4 (Eng. Abstr.) (Ger)

[Partner relations in pregnancy] Buddeberg C. **Gynakologe** 1987 Jun;20(2):95-8 (Ger)

["Self-help potential of the family" can overtax the abilities of the marital partner. Report on a family group of Huntington chorea patients] Leimkühler AM. **Psychiatr Prax** 1987 May;14(3):78-83 (Eng. Abstr.) (Ger)

[The course of schizophrenia in continued marriage and loss of the partner] Heil D, et al. **Soz Praventivmed** 1987; 32(3):154-6 (Eng. Abstr.) (Ger)

[Heterosexual partnerships of severely mentally retarded patients] Herrfurth R, et al. **Z Gesamte Hyg** 1986 Jul; 32(7):432–3 (Eng. Abstr.) **(Ger)**

[Danger of infection by the AIDS virus in members of a household] Steigleder GK. **Z Hautkr** 1987 Jul 15; 62(14):1043 **(Ger)**

[Vasectomy and partnership status—an empirical study of 156 males (couples)] Goebel P, et al. **Z Psychosom Med Psychoanal** 1987;33(2):119–38 (Eng. Abstr.) **(Ger)**

[Love and partnership in adulthood: a continuation or correction of early childhood experiences? A review of theoretical concepts] Kriebel A, et al. **Z Psychosom Med Psychoanal** 1987;33(3):276–93 (Eng. Abstr.) **(Ger)**

[The structure of infertility in marriage] Alipov VI, et al. **Akush Ginekol (Mosk)** 1986 Jul;(7):11–4 **(Rus)**

[HLA antigen histocompatibility of infertile couples] Drannik GN, et al. **Akush Ginekol (Mosk)** 1986 Jul;(7):19–22 (Eng. Abstr.) **(Rus)**

[Value of the examination of the husband in the diagnosis of infertility in marriage] Ustinkina TI, et al. **Akush Ginekol (Mosk)** 1986 Jul;(7):16–9 (Eng. Abstr.) **(Rus)**

[Characteristics of the reproductive behavior and morbidity of women] Katkova IP, et al. **Sov Zdravookhr** 1987;(2):34–9 (Eng. Abstr.) **(Rus)**

[Self concept, sex and marital status] Tamayo A. **Acta Psiquiatr Psicol Am Lat** 1986 Sep;32(3):207–14 (Eng. Abstr.) **(Spa)**

MARROW see **BONE MARROW**

MARSUPIALIA

Cranio-facial tumours of mixed cartilage and bone in koalas (Phascolarctos cinereus). Canfield PJ, et al. **Aust Vet J** 1987 Jan;64(1):20–2

Hepatic inclusion bodies in the liver of a koala (Phascolarctos cinereus). Condron RJ, et al. **Aust Vet J** 1986 Nov; 63(11):387–8

Cholecystitis and bronchopneumonia associated with Pseudomonas aeruginosa in a koala. Oxenford CJ, et al. **Aust Vet J** 1986 Oct;63(10):338–9

The kangaroo as a model for the study of hypertrophic cardiomyopathy in man. O'Rourke MF, et al. **Cardiovasc Res** 1986 Jun;20(6):398–402

Spontaneous lymphoid neoplasia in the koala (Phascolarctos cinereus). Canfield PJ, et al. **J Comp Pathol** 1987 Mar; 97(2):171–8

DNA repair characteristics of a hybrid cell clone between xeroderma pigmentosum and Potorous tridactilis. Ida K. **J Radiat Res (Tokyo)** 1986 Sep;27(3):300–9

A trichoepithelioma in a wild eastern grey kangaroo (Macropus giganteus). Speare R, et al. **J Wildl Dis** 1987 Jul;23(3):508–9

ANATOMY & HISTOLOGY

Development of visual projections in the marsupial, Setonix brachyurus. Harman AM, et al. **Anat Embryol (Berl)** 1986; 175(2):181–8

Topography and ultrastructure of sensory nerve endings in the joint capsules of the Kowari (Dasyuroides byrnei), an Australian marsupial. Strasmann T, et al. **Anat Embryol (Berl)** 1987;176(1):1–12

Retinogeniculate patterns in diprotodont marsupials. Sanderson KJ, et al. **Brain Behav Evol** 1987;30(1–2):22–42

Morphology and distribution of neurons in the retinal ganglion cell layer of the adult tammar wallaby—Macropus eugenii. Wong RO, et al. **J Comp Neurol** 1986 Nov 1; 253(1):1–12

Marsupial and monotreme enamel structure. Lester KS, et al. **Scanning Microsc** 1987 Mar;1(1):401–20

[Muscle spindle distribution of masticatory and prevertebral muscles with special reference to histological properties of pouch and biological significance in red kangaroo, Macropus rufus] Shimizu T. **Kokubyo Gakkai Zasshi** 1987 Mar;54(1):15–36 (Eng. Abstr.) **(Jpn)**

BLOOD

Plasma prolactin concentrations throughout lactation in the eastern quoll, Dasyurus viverrinus (Marsupialia:Dasyuridae). Hinds LA, et al. **Aust J Biol Sci** 1986;39(2):179–86

Comparative red blood cell metabolism in three wallaby species, Macropus eugenii, Macropus parma and Thylogale thetis (Macropodidae: Marsupialia). Agar NS, et al. **Comp Biochem Physiol [A]** 1986;85(2):297–9

Prostaglandin in the peripheral plasma of tammar wallabies during parturition. Lewis PR, et al. **J Endocrinol** 1986 Oct; 111(1):103–9

Urogenital vasculature and local steroid concentrations in the uterine branch of the ovarian vein of the female tammar wallaby (Macropus eugenii). Towers PA, et al. **J Reprod Fertil** 1986 Sep;78(1):37–47

GENETICS

Lack of correlation between Gpd expression and X chromosome late replication in cultured fibroblasts of the kangaroo Macropus robustus. Johnston PG, et al. **Aust J Biol Sci** 1986;39(1):37–45

GROWTH & DEVELOPMENT

Ultrastructure and possible function of giant crystalloids in the Sertoli cell of the juvenile and adult koala (Phascolarctos cinereus). Kerr JB, et al. **Anat Embryol (Berl)** 1987;176(2):213–24

The early development of the eye of the pouch-young of the marsupial Dasyurus hallucatus. Nelson J. **Anat Embryol (Berl)** 1987;175(3):387–98

Thyroid development in the marsupial bandicoot, Isoodon macrourus. Johnston GM, et al. **Anat Rec** 1987 Feb; 217(2):178–87

Stress and mortality in the red-tailed phascogale, Phascogale calura (Marsupialia: Dasyuridae). Bradley AJ. **Gen Comp Endocrinol** 1987 Jul;67(1):85–100

Development of the area centralis and visual streak in the grey kangaroo Macropus fuliginosus. Dunlop SA, et al. **Vision Res** 1987;27(2):151–64

IMMUNOLOGY

Vaccination against lumpy jaw and measurement of antibody response in wallabies (Macropus eugenii). Blanden DR, et al. **Vet Rec** 1987 Jul 18;121(3):60–2

METABOLISM

A novel whey protein synthesized only in late lactation by the mammary gland from the tammar (Macropus eugenii). Nicholas KR, et al. **Biochem J** 1987 Feb 1;241(3):899–904

beta-Lactoglobulin identified in marsupial milk. The primary structure, binding site and possible function of beta-lactoglobulin from eastern grey kangaroo (Macropus giganteus). Godovac-Zimmermann J, et al. **Biol Chem Hoppe Seyler** 1987 Jul;368(7):879–86

Iron metabolism during lactation and suckling in a marsupial, the quokka (Setonix brachyurus). Kaldor I, et al. **Comp Biochem Physiol [A]** 1986;84(4):691–4

High mobility group (HMG) proteins in the tammar wallaby Macropus eugenii: quantitative variations between tissues and testis-specific co-extracted proteins. Faire RJ, et al. **Comp Biochem Physiol [B]** 1987;87(2):423–33

Changes in protein composition of the luminal fluids along the epididymis of the tammar, Macropus eugenii. Jones RC. **J Reprod Fertil** 1987 May;80(1):193–9

MICROBIOLOGY

A disease outbreak involving pneumonia in captive koalas. Canfield PJ, et al. **Aust Vet J** 1986 Sep;63(9):312–3

Epidemiology of Mycobacterium ulcerans infection in koalas (Phascolarctos cinereus) on Raymond Island, southeastern Australia. Mitchell PJ, et al. **J Wildl Dis** 1987 Jul; 23(3):386–90

PARASITOLOGY

Radiological signs of strongylosis in Tammar wallabies. Richardson KC, et al. **Aust Vet J** 1987 Mar;64(3):86–7

Helminth communities in small mammals in southeastern New South Wales. Spratt DM. **Int J Parasitol** 1987 Feb; 17(1):197–202

Sarcocystis mucosa (Blanchard 1885) Labbé 1889 in unadorned rock wallabies (Petrogale assimilis) and Bennett's wallabies (Macropus rufogriseus). O'Donoghue PJ, et al. **Parasitol Res** 1987;73(2):113–20

[Ectoparasites of rodents and marsupials in the wild environment of Ilha Grande, State of Rio de Janeiro, Brazil] Guitton N, et al. **Mem Inst Oswaldo Cruz** 1986 Apr-Jun;81(2):233–4 (Eng. Abstr.) **(Por)**

PHYSIOLOGY

Immunocytochemical demonstration of gastric endocrine cells in the stomach gland patch of the koala, Phascolarctos cinerus. Yamada J, et al. **Anat Anz** 1987;163(4):311–8

The electrocardiogram of the koala (Phascolarctos cinereus). Rezakhani A, et al. **Aust Vet J** 1986 Aug;63(8):264–6

The electrocardiogram of the eastern grey kangaroo (Macropus giganteus). Rezakhani A, et al. **Aust Vet J** 1986 Sep;63(9):310–2

Visual acuity of the northern native cat (Dasyurus hallucatus)—behavioural and anatomical estimates. Harman AM, et al. **Behav Brain Res** 1986 Dec;22(3):211–6

Brain stem auditory nuclei and their connections in a carnivorous marsupial, the northern native cat (Dasyurus hallucatus). Aitkin LM, et al. **Brain Behav Evol** 1986; 29(1–2):1–16

Frequency representation in the auditory midbrain and forebrain of a marsupial, the northern native cat (Dasyurus hallucatus). Aitkin LM, et al. **Brain Behav Evol** 1986; 29(1–2):17–28

Embryo implantation and proteinase activities in a marsupial (Macropus eugenii). Histochemical patterns of proteinases in various gestational stages. Denker HW, et al. **Cell Tissue Res** 1986;246(2):279–91

Ascending aortic impedance patterns in the kangaroo: their explanation and relation to pressure waveforms. Nichols WW, et al. **Circ Res** 1986 Sep;59(3):247–55

Pituitary-induced lactation in mammary gland explants from the pregnant tammar (Macropus eugenii): a negative role for cyclic AMP. Maher F, et al. **Comp Biochem Physiol [A]** 1987;87(4):1107–17

Seasonal variation of plasma testosterone in a wild population of male Eastern quoll, Dasyurus viverrinus (Marsupialia: Dasyuridae), from Tasmania. Bryant SL. **Gen Comp Endocrinol** 1986 Oct;64(1):75–9

Mammalian motoneuron cell death: development of the lateral motor column of a wallaby (Macropus eugenii). Comans PE, et al. **J Comp Neurol** 1987 Jun 22; 260(4):627–34

Physiological and metabolic changes associated with weaning in the tammar wallaby, Macropus eugenii. Wilkes GE, et al. **J Comp Physiol [B]** 1986;156(6):829–37

Adrenocortical functions in a macropodid marsupial Thylogale billardierii. Martin IK, et al. **J Endocrinol** 1986 Sep;110(3):471–80

Do cardiorespiratory frequencies show entrainment with hopping in the tammar wallaby? Baudinette RV, et al. **J Exp Biol** 1987 May;129:251–63

Effects of flow rate, duration of stimulation and mineralocorticoids on the electrolyte concentrations of mandibular saliva from the red kangaroo (Macropus rufus). Beal AM. **J Exp Biol** 1986 Nov;126:315–39

The onset of seasonal quiescence in the female Bennett's wallaby (Macropus rufogriseus rufogriseus). Curlewis JD, et al. **J Reprod Fertil** 1987 May;80(1):119–24

Effect of melatonin and removal of pouch young on the seasonality of births in the marsupial possum, Trichosurus vulpecula. Gemmell RT. **J Reprod Fertil** 1987 May; 80(1):301–7

Relationship between longevity of spermatozoa after insemination and the percentage of normal embryos in brown marsupial mice (Antechinus stuartii). Selwood L, et al. **J Reprod Fertil** 1987 Mar;79(2):495–503

Wallabies vibrate to breathe [news] Alexander RM. **Nature** 1987 Aug 6–12;328(6130):477

Restricted feeding and circadian activity rhythms of a predatory marsupial, Dasyuroides byrnei. O'Reilly H, et al. **Physiol Behav** 1986 Oct;38(4):471–6

MASKING, PERCEPTUAL see **PERCEPTUAL MASKING**

MASKS

Respiratory syncytial virus (RSV) infection rate in personnel caring for children with RSV infections. Routine isolation procedure vs routine procedure supplemented by use of masks and goggles. Agah R, et al. **Am J Dis Child** 1987 Jun;141(6):695–7

Non-rebreathing masks [letter] Curran D, et al. **Am J Emerg Med** 1987 Jul;5(4):350

Treatment of alveolar hypoventilation in a six-year-old girl with intermittent positive pressure ventilation through a nose mask. Ellis ER, et al. **Am Rev Respir Dis** 1987 Jul; 136(1):188–91

Treatment of respiratory failure during sleep in patients with neuromuscular disease. Positive-pressure ventilation through a nose mask. Ellis ER, et al. **Am Rev Respir Dis** 1987 Jan;135(1):148–52

Nocturnal positive pressure ventilation via nasal mask. Kerby GR, et al. **Am Rev Respir Dis** 1987 Mar;135(3):738–40

Gas sampling from a facemask for capnography [letter] Machin JR, et al. **Anaesthesia** 1986 Sep;41(9):971–2

Improving anesthesia mask fit in edentulous patients [letter] Lanier WL. **Anesth Analg** 1987 Oct;66(10):1053

Continuous hypopharyngeal pH during anesthesia via mask. Kofke WA, et al. **Anesthesiology** 1987 Sep;67(3):434–6

A simple method of face mask resuscitation at birth. Hoskyns EW, et al. **Arch Dis Child** 1987 Apr;62(4):376–8

Possible face-mask hazard [letter] Horton JG. **Br Dent J** 1987 Jul 25;163(2):43

Validation of a respiratory mask for measuring gas exchange in exercising swine. McKirnan MD, et al. **J Appl Physiol** 1986 Sep;61(3):1226–9

Efficacy of face masks in preventing inhalation of airborne contaminants. Pippin DJ, et al. **J Oral Maxillofac Surg** 1987 Apr;45(4):319–23

Mouth-to-mask ventilation—which mask? [letter] Goucke R. **Med J Aust** 1986 Mar 3;144(5):279

Effectiveness of resuscitation masks as an aid to expired air resuscitation [letter] Oxer HF. **Med J Aust** 1987 Mar 16; 146(6):332, 335

A new use for adult face masks [letter] Kopelman AE, et al. **Pediatrics** 1978 Jan;61(1):162

[Facial mask as a technic of prevention of hypertrophic facial scars secondary to deep burns] Richard P, et al. **Rev Stomatol Chir Maxillofac** 1986;87(6):398–401 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Potential eye damage from reusable masks [letter] Durkan W, et al. **Anesthesiology** 1987 Sep;67(3):444

STANDARDS

Collection of bacterial aerosols by means of slit-sampler: a face-mask study. Melvaer KL, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Oct; 94(5):325–8

[Filter efficiency of commercial face masks in capturing particles and airborne bacteria] Minakami K, et al. **Jikken Dobutsu** 1986 Jul;35(3):293–7 (Eng. Abstr.) **(Jpn)**

[The Laerdal mask is much better than the Rendell-Baker Soucek mask for the resuscitation of children] Yamashita M, et al. **Masui** 1986 Oct;35(10):1547–9 (Eng. Abstr.) **(Jpn)**

MASOCHISM

Concerns about APA questionnaire on personality disorders [letter] Braude M. **Am J Psychiatry** 1986 Oct;143(10):1309
The masochistic patient in consultation–liaison psychiatry. Elliott RL. **Gen Hosp Psychiatry** 1987 Jul;9(4):241–50
Mockery through caricature: a variant of introjection utilized by a masochistic woman. Procci WR.
J Am Acad Psychoanal 1987 Jan;15(1):51–66
Masochism and violence. Shainess N.
J Am Med Wom Assoc 1986 Sep–Oct;41(5):153–5
Psychoanalytic contributions to psychiatric nosology: forms of masochistic behavior. Simons RC.
J Am Psychoanal Assoc 1987;35(3):583–608
Comparisons among heterosexual, bisexual, and homosexual male sadomasochists. Breslow N, et al. **J Homosex** 1986 Fall;13(1):83–107
Gay SM in pornography and reality. van Naerssen AX, et al. **J Homosex** 1986 Winter–1987 Spring;13(2–3):111–9
Prevalence of DSM–III–R self–defeating (masochistic) personality disorder in normal and outpatient populations. Reich J. **J Nerv Ment Dis** 1987 Jan;175(1):52–4
Trauma in childhood. Signs and sequelae as seen in the analysis of an adolescent. Kennedy H.
Psychoanal Study Child 1986;41:209–19

DIAGNOSIS

[Candaulesism—case report] Marten Z. **Psychiatr Pol** 1986 May–Jun;20(3):235–7 **(Pol)**

MASS BEHAVIOR

see related
CIVIL DISORDERS
RIOTS

The conditions of collective suicide and the threat of nuclear war. Mack JE. **Bull Menninger Clin** 1986 Sep;50(5):464–79
The social context of delinquent conduct. Emler N, et al.
J Child Psychol Psychiatry 1987 Jan;28(1):99–109
The myth of rationality in situations of crisis. Kringlen E.
Med War 1985 Sep–Dec;1(3):187–94
Mass hysteria: two syndromes? Wessely S. **Psychol Med** 1987 Feb;17(1):109–20

MASS CHEST X–RAY

[Occult lung cancer with positive cytology and normal chest film—an analysis of 54 cases] Liang ST, et al.
Chung Hua Chung Liu Tsa Chih 1986 Nov;8(6):450–2 (Eng. Abstr.) **(Chi)**
[Mass photofluorography in early detection of peripheral lung cancer] Sun XK, et al.
Chung Hua Chung Liu Tsa Chih 1986 Sep;8(5):370–2 (Eng. Abstr.) **(Chi)**
[The effect of discontinuing periodic roentgenologic mass screening of pulmonary tuberculosis on the morbidity and mortality of patients hospitalized with bronchial carcinoma (letter)] **Ned Tijdschr Geneeskd** 1986 Oct 25;130(43):1954–6 **(Dut)**
[Case finding and management strategy in the current status of tuberculosis] Landmann H, et al.
Z Arztl Fortbild (Jena) 1986;80(16):655–9 **(Ger)**
[Problems in tuberculosis case finding—a retrospective analysis 1980 to 1983 in the Cottbus district] Scharkoff H.
Z Arztl Fortbild (Jena) 1986;80(16):661–3 **(Ger)**
[Comparative evaluation of methods of early detection of tuberculosis in adolescents] Ganiev KG. **Probl Tuberk** 1986; (10):6–9 (Eng. Abstr.) **(Rus)**
[Clinical evaluation of the results of the occupational screening of miners] Litvinov AA. **Vrach Delo** 1986 Nov; (11):100–1 **(Rus)**
[Early detection of tuberculosis in the western provinces of the Ukrainian SSR] Manastyrskii RIa, et al. **Vrach Delo** 1987 Apr;(4):14–6 **(Rus)**

ORGANIZATION & ADMINISTRATION

[Role of the Pneumology Commission in detecting central cancer and other lung diseases] Portnoi LM, et al.
Sov Zdravookhr 1986;(12):12–6 (Eng. Abstr.) **(Rus)**

UTILIZATION

Use and effectiveness of chest radiography and low–back radiography in screening. Joseph LP, et al.
J Occup Med 1986 Oct;28(10):998–1003

MASS FRAGMENTOGRAPHY

Identification of steroids in rat adrenal glands by liquid chromatography–thermospray mass spectrometry. Watson D, et al. **Biochem J** 1987 Feb 15;242(1):109–14
Assessment of occupational exposure to 4,4'–diaminodiphenylmethane (methylene dianiline) by gas chromatography–mass spectrometry analysis of urine. Cocker J, et al. **Br J Ind Med** 1986 Sep;43(9):620–5
1,6–Anhydro–beta–D–glucopyranose (beta–glucosan), a constituent of human urine. Dorland L, et al.
Clin Chim Acta 1986 Aug 30;159(1):11–6
Prostaglandins and related products profiled by GC/MS with negative–ion chemical–ionization detection. Pace–Asciak CR. **Clin Invest Med** 1987 May;10(3):117–20
Unconjugated morphine in blood by radioimmunoassay and gas chromatography/mass spectrometry. Spiehler V, et al.
J Forensic Sci 1987 Jul;32(4):906–16
[Gas chromatography–mass spectrometry findings of morphine and codeine in the vitreous humor and hair] Sachs H, et al. **Beitr Gerichtl Med** 1986;44:281–6 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

[Use of chromatographic–mass spectrometers in diagnosis] Dmitriev MT, et al. **Med Tekh** 1987 Jan–Feb;(1):17–22 (Eng. Abstr.) **(Rus)**

METHODS

Advances in the analysis of eicosanoids by ELISA and GC/MS/MS. Frölich JC, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1986; 16:363–72
Gas chromatographic/mass spectrometric analysis of extracts of workplace air samples for nitrosamines. Cooper CV.
Am Ind Hyg Assoc J 1987 Mar;48(3):265–70
Determination of putrescine in brain tissue using gas chromatography–mass spectrometry. Noto T, et al.
Anal Biochem 1987 Feb 1;160(2):371–5
Comparison of electron and chemical ionization mass spectrometry of sialic acids. Reuter G, et al.
Anal Biochem 1986 Aug 15;157(1):39–46
High–mass ion fragmentation as a function of time and mass. Demirev P, et al. **Anal Chem** 1987 Aug 1;59(15):1951–4
On the homogeneity of stools with respect to bile acid composition and normal day–to–day variations: a detailed qualitative and quantitative study using capillary column gas chromatography–mass spectrometry. Setchell KD, et al. **Clin Chim Acta** 1987 Feb 15;162(3):257–75
Determination of pipecolic acid in urine and plasma by isotope dilution mass fragmentography. van den Berg GA, et al. **Clin Chim Acta** 1986 Sep 30;159(3):229–37
Diagnosis of pulmonary tuberculosis by detection of tuberculostearic acid in sputum by using gas chromatography–mass spectrometry with selected ion monitoring. French GL, et al. **J Infect Dis** 1987 Aug; 156(2):356–62
Gas chromatography–electron impact–mass spectrometry (GC–EI–MS) analysis of saturated fatty acid compositions in formalin–fixed human tissues. Yamamoto H, et al.
J Neurol Sci 1987 Jan;77(1):1–10
The multicomponent analysis of estrogens in urine by ion exchange chromatography and GC–MS—I. Quantitation of estrogens after initial hydrolysis of conjugates. Fotsis T, et al. **J Steroid Biochem** 1987 Aug;28(2):203–13
The multicomponent analysis of estrogens in urine by ion exchange chromatography and GC–MS—II. Fractionation and quantitation of the main groups of estrogen conjugates. Fotsis T. **J Steroid Biochem** 1987 Aug;28(2):215–26
Positive and negative ion mass spectrometry of benzophenones, the acid–hydrolysis products of benzodiazepines. Suzuki O, et al. **Z Rechtsmed** 1987; 98(1):1–10

MASS MEDIA

Mass media and smoking cessation: a critical review. Flay BR. **Am J Public Health** 1987 Feb;77(2):153–60 (123 ref.)
Prevention of tap water scald burns: evaluation of a multi–media injury control program. Katcher ML.
Am J Public Health 1987 Sep;77(9):1195–7
The media and their influence on public attitudes to drug development and use. O'Donnell M.
Br J Clin Pharmacol 1986;22 Suppl 1:101S–102S
The use of mass media in mental health. Lamontagne Y, et al. **Can J Psychiatry** 1986 Oct;31(7):617–20
Use of mass–media and active involvement in a national dental health campaign in Scotland. Schou L.
Community Dent Oral Epidemiol 1987 Feb;15(1):14–8
Health and the media in Australia—an uneasy relationship. Milio N. **Community Health Stud** 1986;10(4):419–22
Hospital study reveals strategies for improving media relations. Fitzgerald PE Jr, et al.
Health Care Manage Rev 1987 Spring;12(2):51–9
Ethical issues in government sponsored public health campaigns. Faden RR. **Health Educ Q** 1987 Spring; 14(1):27–37
IMJ interview: Medicine meets the media. **IMJ** 1987 Feb; 171(2):87–93
Infant immunisation: do we need a media campaign? Hastings GB. **J R Soc Health** 1987 Jun;107(3):88–91
Mass media linkages with school–based programs for drug abuse prevention. Flay BR. **J Sch Health** 1986 Nov; 56(9):402–6 (52 ref.)
AIDS publicity campaigns [letter] Anderson R, et al.
Lancet 1987 Jun 20;1(8547):1429–30
Victims of trauma and the news media [letter] McFarlane AC. **Med J Aust** 1986 Dec 1–15;145(11–12):664
EDB: a case study in communicating risk. Sharlin HI.
Risk Anal 1986 Mar;6(1):61–8
[Analysis of data concerning the promotion of improved nutrition by the mass communications media] Gridneva LE.
Vopr Pitan 1987 Jan–Feb;(1):72–3 **(Rus)**
[Effect of mass communication media in food purchasing at the family level] Moya de Sifontes MZ, et al.
Arch Latinoam Nutr 1986 Mar;36(1):166–86 (Eng. Abstr.) **(Spa)**

STANDARDS

Substance abuse and the media. Gillman M. **S Afr Med J** 1987 Apr 4;71(7):418

MASS SCREENING

Hyperphenylalaninemia in Polish children's population. Cabalska B, et al. **Acta Anthropogenet** 1985;9(1–3):91–102
Adolescent marijuana use: screening and ethics. Silber TJ.
Adolescence 1987 Spring;22(85):1–6
Adolescent marijuana use: the role of the physician. Silber TJ. **Adolescence** 1987 Summer;22(86):363–70
alpha–Fetoprotein screening. Burton BK. **Adv Pediatr** 1986; 33:181–96 (49 ref.)
A neonatal program for sickle cell anemia. Pearson HA.
Adv Pediatr 1986;33:381–400
Transmission of adult T–cell leukemia virus (HTLV–I) through blood transfusion and its prevention. Okochi K, et al. **AIDS Res** 1986 Dec;2 Suppl 1:S157–61
Midtrimester screening for open neural tube defects: correlation of sonography with amniocentesis results. Lindfors KK, et al. **AJR** 1987 Jul;149(1):141–5
Observations on community screening for alcohol problems: a pilot project to assess the feasibility of identifying heavy drinkers in a community setting. Spencer J, et al.
Alcohol Alcohol 1987;22(1):65–9
Allergy indices based on allergen dose–response curve in a randomly selected sample of schoolchildren. Corbo GM, et al. **Allergy** 1987 Apr;42(3):230–7
AIDS and public health: time for reason [editorial]
Am Fam Physician 1987 Mar;35(3):84, 86
Screening mammography [editorial] Hall FM.
Am Fam Physician 1987 Mar;35(3):89–90
Prevalence of hypertrophic cardiomyopathy in a population of adult Japanese workers as detected by echocardiographic screening. Hada Y, et al.
Am J Cardiol 1987 Jan 1;59(1):183–4
Screening for risk factors for adolescent alcohol and drug use. Klitzner M, et al. **Am J Dis Child** 1987 Jan;141(1):45–9
Medical screening of former asbestos cement workers in Israel: a pilot program. Tuch H, et al. **Am J Ind Med** 1986; 10(5–6):471–8
Hepatitis B: a case for prenatal screening of all patients. Cruz AC, et al. **Am J Obstet Gynecol** 1987 May;156(5):1180–3
Establishment of a collaborative university–commercial maternal serum alpha–fetoprotein screening program: a model for tertiary center outreach. Evans MI, et al.
Am J Obstet Gynecol 1987 Jun;156(6):1441–9
Maternal serum alpha–fetoprotein screening: effects of weight adjustment [letter] Kazazian LC, et al.
Am J Obstet Gynecol 1987 Sep;157(3):782–4
Outcomes in patients with unusually high maternal serum alpha–fetoprotein levels. Nelson LH, et al.
Am J Obstet Gynecol 1987 Sep;157(3):572–6
Simple pointspread retinoscope suitable for vision screening. Howland HC, et al. **Am J Optom Physiol Opt** 1987 Feb; 64(2):114–22
Prevalence of mammary carcinoma in patients with gynaecologic cancer. Johnsson JE, et al.
Ann Chir Gynaecol 1987;76(2):88–92
Use of the emergency department for hypertension screening: a prospective study. Chernow SM, et al.
Ann Emerg Med 1987 Feb;16(2):180–2
Should all pregnant women be screened for hepatitis B? Kumar ML, et al. **Ann Intern Med** 1987 Sep;107(3):273–7
Lead exposure in children: the need for professional and public education. Guthrie R. **Ann NY Acad Sci** 1986; 477:322–8
Cord blood screening for haemoglobinopathies in northern Nigeria. Kulkarni AG, et al. **Ann Trop Med Parasitol** 1986 Oct;80(5):549–51
Screening for the detection of congenital dislocation of the hip [letter] **Arch Dis Child** 1987 Mar;62(3):315–6
Congenital dislocation of the hip: to screen or not to screen. Dwyer NS. **Arch Dis Child** 1987 Jun;62(6):635–7
Should we screen for congenital adrenal hyperplasia? A review of 117 cases. Virdi NK, et al. **Arch Dis Child** 1987 Jul;62(7):659–62
Screening for late–onset congenital adrenal hyperplasia in hirsutism or amenorrhea. Baskin HJ. **Arch Intern Med** 1987 May;147(5):847–8
Antenatal screening for congenital infection with rubella, cytomegalovirus and toxoplasma. Sfameni SF, et al.
Aust NZ J Obstet Gynaecol 1986 Nov;26(4):257–60
Australian College of Paediatrics. Policy statement. Screening for cystic fibrosis. **Aust Paediatr J** 1986 Nov; 22(4):264
Cancers induced and cancers detected in a mammography screening programme. Law J. **Br J Radiol** 1987 Mar; 60(711):231–4
Should we be screening for cervical cancer or breast cancer? [letter] Purkiss M. **Br Med J** 1987 Feb 7;294(6568):370
Cervical smears: new terminology and new demands [letter] **Br Med J [Clin Res]** 1987 Jun 27;294(6588):1687–8
Is screening for bacteriuria in pregnancy worth while? Campbell–Brown M, et al. **Br Med J [Clin Res]** 1987 Jun 20;294(6587):1579–82
Screening for cervical cancer: a new scope for general practitioners? Results of the first year of colposcopy in general practice. Chomet J. **Br Med J [Clin Res]** 1987 May 23;294(6583):1326–8
Screening for congenital dislocation of the hip [letter] Clarke

NM. **Br Med J [Clin Res]** 1987 May 30;294(6584):1417

Compliance with screening for colorectal cancer [letter] Cuckle HS, et al. **Br Med J [Clin Res]** 1986 Sep 6; 293(6547):628

Demands on surgical inpatient services after mass mammographic screening. Holmberg L, et al. **Br Med J [Clin Res]** 1986 Sep 27;293(6550):779–82

Screening for hearing loss in childhood: a study of national practice. Stewart–Brown S, et al. **Br Med J [Clin Res]** 1987 May 30;294(6584):1386–8

Randomized mammographic screening for breast cancer in Stockholm. Design, first round results and comparisons. Frisell J, et al. **Breast Cancer Res Treat** 1986;8(1):45–54

Secondary prevention of cancer: an overview. Eddy DM. **Bull WHO** 1986;64(3):421–9 (43 ref.)

Using mammography for cancer control: an unrealized potential. Howard J. **CA** 1987 Jan–Feb;37(1):33–48

Screening the "well elderly" [letter]Miller CB. **CA** 1986 Sep–Oct;36(5):318–9

Native Canadian participation in a blood pressure survey. McIntyre L. **Can J Public Health** 1986 Jul–Aug; 77(4):278–80

British Columbia's focus on eyes. An evaluative research study of the Ministry of Health's Elementary School Vision Screening Program in Prince George, British Columbia. Mitten M, et al. **Can J Public Health** 1987 Mar–Apr; 78(2):104–8

Should the hunt for nonpalpable breast lesions be called off? Wright CJ. **Can J Surg** 1986 Sep;29(5):299–300

Are we winning the battle against heart disease? [letter] Bass M. **Can Med Assoc J** 1987 Jul 15;137(2):104

Screening for maternal serum alpha–fetoprotein: what about the low side? Lippman A, et al. **Can Med Assoc J** 1987 Apr 15;136(8):801–4

Medical screening in industry [editorial] Muir DC. **Can Med Assoc J** 1986 Sep 15;135(6):596–7

Feasibility of chemical screening of urine for neuroblastoma case finding in infancy in Quebec. Scriver CR, et al. **Can Med Assoc J** 1987 May 1;136(9):952–6

Pap screening in Austria. Gerstner G, et al. **Clin Exp Obstet Gynecol** 1987;14(2):84–8

Detailed ultrasound as a screening method for craniospinal abnormalities. Greco P, et al. **Clin Exp Obstet Gynecol** 1987;14(2):115–8

Proposed guidelines for screening of metabolic and endocrine diseases of dependent neonates of the U.S. Armed Forces. Derived from a survey of state guidelines for neonatal screening of metabolic diseases. Tiwary CM. **Clin Pediatr (Phila)** 1987 Jul;26(7):349–54

Guidelines for breast cancer screening. The European Group for Breast Cancer Screening. **Clin Radiol** 1987 May; 38(3):217

Population screening by mammography. Tucker AK. **Clin Radiol** 1987 May;38(3):215–6

An analysis of referral patterns from a breast screening unit. Whitehouse GH, et al. **Clin Radiol** 1986 Nov;37(6):555–9

Hepatitis B in obstetric patients in the community hospital: the need for screening. Owen M, et al. **Clin Ther** 1987; 9(3):296–9

Guidelines for HIV antibody testing and post–test counseling. Colorado Department of Health. **Colo Med** 1986 Dec 15; 83(21):365–6

Refugee medical screening in NSW: refugee welfare versus public risk? Reid JC, et al. **Community Health Stud** 1986; 10(3):265–74

The management of a cervical screening programme: a statement (October 1985). The ICRF Coordinating Committee on Cervical Screening. **Community Med** 1986 Aug;8(3):179–84

An assessment of the effectiveness of cervical cytology screening in Sheffield. Johnson IS, et al. **Community Med** 1987 May;9(2):160–70

State of health of "non–respondents" in population studies of ischaemic heart disease in Moscow and Kaunas. Tamošjunas AA, et al. **Cor Vasa** 1986;28(5):321–7

The LAV/HTLV–III screening in Copenhagen. Epidemiological results from four clinics over the period 1 July 1984 to 1 April 1985. Kolby P, et al. **Dan Med Bull** 1986 Oct;33(5):268–70

Screening for cancer: concepts and specific strategies [published erratum appears in Del Med J 1987 May;59(5):344] O'Donnell JF. **Del Med J** 1987 Feb; 59(2):81–94

Snap–shot decisions. Barrie T, et al. **Diabetic Med** 1987 Jan–Feb;4(1):7–8

Screening for early diabetic nephropathy: which sample to detect microalbuminuria? Gatling W, et al. **Diabetic Med** 1985 Nov;2(6):451–5

Follow–up study of 16 years neonatal screening for inborn errors of metabolism in West Germany. Mathias D, et al. **Eur J Pediatr** 1986 Sep;145(4):310–2

Methods for and results from colo–rectal cancer screening: the Minnesota experience. Goldberg SM, et al. **Eur J Surg Oncol** 1987 Apr;13(2):145–6

Screening for sexually transmitted diseases by family planning providers: is it adequate and appropriate? Aral SO, et al. **Fam Plann Perspect** 1986 Nov–Dec;18(6):255–8

Prevention of cancer of the colon—a review of faecal occult blood screening. Sangster JF. **Fam Pract** 1986 Dec; 3(4):259–65 (27 ref.)

Acceptability of a faecal occult blood screening protocol for carcinoma of the colon in family practice. Sangster JF, et al. **Fam Pract** 1986 Dec;3(4):246–50

Hearing identification of the preschool child: a proposed training program. Wall LG, et al. **Folia Phoniatr (Basel)** 1987;39(3):145–52

Influence of special surveillance programmes and AIDS on declining incidence of syphilis in Amsterdam. Coutinho RA, et al. **Genitourin Med** 1987 Jun;63(3):210–3

Mass screening in Sweden for cancer of the uterine cervix: effect on incidence and mortality. An overview. Kjellgren O. **Gynecol Obstet Invest** 1986;22(2):57–63

In California, voluntary mass prenatal screening. Steinbrook R. **Hastings Cent Rep** 1986 Oct;16(5):5–7

Screening for cancer of the uterine cervix. From the IARC Working Group on Cervical Cancer Screening and the UICC Project Group on the Evaluation of Screening Programmes for Cancer. **IARC Sci Publ** 1986;(76):1–315

The impact on public health of routine HTLV–III antibody testing. A National Institutes of Health consensus report synopsis. **Indiana Med** 1987 Mar;80(3):250–3

Newborn screening tests. Stine MJ. **Indiana Med** 1986 Oct; 79(10):868–9

Screening for anti–HTLV–III/LAV antibody in high–risk subjects: sensitivity and specificity of commercial tests. Lantin JP, et al. **Int Arch Allergy Appl Immunol** 1987; 82(3–4):487–9

Evaluation of a mass screening program for stomach cancer with a case–control study design. Oshima A, et al. **Int J Cancer** 1986 Dec 15;38(6):829–33

Calculation of sample size in trials of screening for early diagnosis of disease. Moss S, et al. **Int J Epidemiol** 1987 Mar;16(1):104–10

Selective screening for cancer of the cervix uteri in South Indian women. Shrivastav P, et al. **Int J Gynaecol Obstet** 1986 Oct;24(5):337–42

Screening for secretory otitis media: evaluation of some impedance screening programs for long–lasting secretory otitis media in 7–year–old children. Lous J. **Int J Pediatr Otorhinolaryngol** 1987 Jun;13(1):85–97

Screening mammography—potential problems on the horizon. Baker SR. **Invest Radiol** 1986 Nov;21(11):891–2

Gastric cancer—has screening a place? [editorial] Lennon JR. **Ir J Med Sci** 1987 Apr;156(4):iii

Assessment of screening as a preventive technology: the example of HTLV–III/LAV antibody testing. Ory HW, et al. **Isr J Med Sci** 1986 Jul–Aug;22(7–8):524–8

Use of the Child Behavior Checklist as a screening instrument for epidemiological research in child psychiatry: results of a pilot study. Bird HR, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Mar;26(2):207–13

Melanoma/skin cancer screening in Michigan. Field SI. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):578–83

Melanoma/skin cancer screening program in a private office setting [letter] Fixler ZC. **J Am Acad Dermatol** 1987 Mar; 16(3 Pt 1):634–5

Skin cancer screening—a local experience. Olsen TG, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):637–41

To screen or to vaccinate? A decision analysis for rubella prevention on campus. Chan CW. **J Am Coll Health** 1986 Nov;35(3):116–21

Cervical cancer screening in women aged 65 and over. Weintraub NT, et al. **J Am Geriatr Soc** 1987 Sep; 35(9):870–5

Alcoholism screening in the elderly. Willenbring ML, et al. **J Am Geriatr Soc** 1987 Sep;35(9):864–9

AMWA opposes indiscriminate drug testing. Bartlik B. **J Am Med Wom Assoc** 1987 May–Jun;42(3):90–1

Evaluation of the Parsons Visual Acuity Test in screening exceptional children. Richman JE, et al. **J Am Optom Assoc** 1987 Jan;58(1):18–22

Risk factor analysis of screening data. Begg CB. **J Chronic Dis** 1987;40(10):989–94

Screening for breast cancer [letter] Duffy SW, et al. **J Chronic Dis** 1987;40(9):907–10

Screening for cancer: issues and future directions. Miller AB. **J Chronic Dis** 1986;39(12):1067–77 (55 ref.)

Etiologic fraction in case–control studies for the evaluation of screening [letter] Sasco AJ. **J Chronic Dis** 1987;40(4):368

Screening and breast cancer [letter] Silcocks P. **J Chronic Dis** 1987;40(4):367–8

Screening for recurrent breast cancer [letter] Umbach GE. **J Clin Oncol** 1987 Jul;5(7):1127

Management of women with abnormal cervical smears: supplement to terminology in gynaecological cytopathology. Evans DM, et al. **J Clin Pathol** 1987 May; 40(5):530–1

Ten years of screening for cancer in a family practice. Berner JS, et al. **J Fam Pract** 1987 Mar;24(3):249–52

Screening in family practice: prevention, levels of evidence, and the pitfalls of common sense [editorial] Sackett DL. **J Fam Pract** 1987 Mar;24(3):233–4

Maternal serum alpha fetoprotein screening project. O'Brien WF. **J Fla Med Assoc** 1987 May;74(5):333–5

Routine urine testing for evidence of drug abuse in workers: the scientific, ethical and legal reasons not to do it. Rosenstock L, et al. **J Gen Intern Med** 1987 Mar–Apr; 2(2):135–7

Evaluation of a cytologic cervical cancer screening program. Saikaly HH, et al. **J Ky Med Assoc** 1987 Feb;85(2):75–7

Screening for breast cancer. Huguley CM Jr. **J Med Assoc Ga** 1987 May;76(5):310–3

The significance of cerebrospinal fluid routine screening for neurosyphilis. Kinnunen E, et al. **J Neurol Sci** 1986 Sep; 75(2):205–11

Iodine–131 thyroid uptake results in travelers returning from Europe after the Chernobyl accident. Castronovo FP Jr. **J Nucl Med** 1987 Apr;28(4):535–41

School–based hypertension screening as a clinical unit experience for nursing students. Spratlen LP. **J Nurs Educ** 1983 Nov;22(9):386–9

Preventive gynecologic nursing in an inpatient setting. Foley SF. **J Obstet Gynecol Neonatal Nurs** 1987 May–Jun; 16(3):160–6

Conference on medical screening and biological monitoring for the effects of exposure in the workplace. July 1984. Part II. **J Occup Med** 1986 Oct;28(10):901–1126

The National Cancer Institute's Cancer Prevention Research Program. DeWys WD, et al. **J Occup Med** 1986 Oct; 28(10):902–5

The prevalence of screening in industry: report from the National Institute for Occupational Safety and Health National Occupational Hazard Survey. Ratcliffe JM, et al. **J Occup Med** 1986 Oct;28(10):906–12

Problems in notification and screening of workers at high risk of disease. Schulte PA. **J Occup Med** 1986 Oct; 28(10):951–7

Detection of congenital hypopituitary hypothyroidism: ten–year experience in the Northwest Regional Screening Program. Hanna CE, et al. **J Pediatr** 1986 Dec; 109(6):959–64

Prevention of strabismic amblyopia of early onset with special reference to the optimal age for screening. Neumann E, et al. **J Pediatr Ophthalmol Strabismus** 1987 May–Jun; 24(3):106–10

School screening for adolescent idiopathic scoliosis. Bremberg S, et al. **J Pediatr Orthop** 1986 Sep–Oct; 6(5):564–7

Incidence of peri–intraventricular hemorrhage in premature neonates weighing more than 1500 g. Amato M, et al. **J Perinat Med** 1987;15(1):91–4

Cervical cytology screening in the Army. Zaklama MS, et al. **J R Army Med Corps** 1987 Jun;133(2):113–6

Serum alpha–feto protein screening for neural tube defects: some notes for programme evaluators. Mason ES, et al. **J R Soc Health** 1986 Dec;106(6):210–2

Screening and treatment of urinary schistosomiasis in Dar es Salaam. Sarda RK, et al. **J R Soc Health** 1987 Feb; 107(1):26–7

Thyroid function screening of psychiatric inpatient admissions: a worthwhile procedure? Bannister P, et al. **J R Soc Med** 1987 Feb;80(2):77–8

Newborn screening for metabolic disorders. DiSalvo AF. **J SC Med Assoc** 1987 May;83(5):276–7

Neonatal screening for sickling hemoglobinopathies in South Carolina: can the promise be fulfilled? Pai GS, et al. **J SC Med Assoc** 1987 May;83(5):243–5

The Tennessee Newborn Hemoglobinopathy Screening Program. Erickson S, et al. **J Tenn Med Assoc** 1987 Apr; 80(4):223–4

Evaluation of positive Hemoccult test results obtained in a community screening program. Heim CR, et al. **J Tenn Med Assoc** 1986 Dec;79(12):755–8

Maternal serum alpha–fetoprotein screening in upper East Tennessee. Myers TL, et al. **J Tenn Med Assoc** 1987 Apr; 80(4):209–11

Screening for rheumatic heart disease amongst black schoolchildren in Inanda, South Africa [letter] Maharaj B, et al. **J Trop Pediatr** 1987 Feb;33(1):60–1

Impact of routine screening for adenocarcinoma of the prostate on stage distribution. Thompson IM, et al. **J Urol** 1987 Mar;137(3):424–6

Alpha–fetoprotein screening and the standard of care [letter] Weiss BD. **JAMA** 1987 Jan 9;257(2):188–9

Screening for antibodies to HTLV–III/LAV in our population. A word of caution [editorial] Zafar MN. **JPMA** 1987 Apr;37(4):84–5

Heart diseases discovered by mass screening in the schools of Shimane Prefecture over a period of 5 years. Haneda N, et al. **Jpn Circ J** 1986 Dec;50(12):1325–9

Mass screening of blood pressure in school children: results of the Karatsu Study. Ito Y, et al. **Jpn Circ J** 1986 Dec; 50(12):1318–20

Cervical cancer screening [letter] Skrabanek P. **Lancet** 1987 Jun 20;1(8547):1432–3

Mass screening in leprosy endemic areas of Turkey: preliminary report. Saylan T, et al. **Lepr Rev** 1986 Sep; 57(3):243–9

Update on HIV infection. Counseling and HIV: test results and risk reduction. Morgen KB. **Md Med J** 1987 Jan; 36(1):44–6

Cervical cytology in Western Australia. Frequency, geographical and socioeconomic distributions and providers of the service. Armstrong BK, et al. **Med J Aust** 1986 Mar 3;144(5):239–47

The case for scoliosis screening in Australian adolescents. Chan A, et al. **Med J Aust** 1986 Oct 20;145(8):379–83

A review of refugee medical screening in New South Wales. Goldstein GB, et al. **Med J Aust** 1987 Jan 5;146(1):9–12

Health screening of immigrants [letter] Langley AJ, et al. **Med J Aust** 1987 Apr 20;146(8):449

Is there a place for forearm osteodensitometry in clinical screening studies? Robinson B, et al. **Med J Aust** 1987 Mar 16;146(6):297–300

Paradise lost? Is there a case for immigrant health screening? [editorial] Streeton JA. **Med J Aust** 1987 Jan 5;146(1):1–3

Data on human immunodeficiency virus (HIV) antibody testing among military recruits [letter] James JJ, et al. **Milit Med** 1987 Feb;152(2):103–4

An assessment of comprehensive child health screening programs in Minnesota. Bender AP, et al. **Minn Med** 1987 May;70(5):291–5

Biomedical prevention of mental retardation. A model state plan. Guthrie R, et al. **Monogr Am Assoc Ment Defic** 1987; (8):159–76

Screening for HIV: can we afford the false positive rate? Meyer KB, et al. **N Engl J Med** 1987 Jul 23;317(4):238–41

To test or not to test. Issues in community screening for human immunodeficiency virus. Landis S. **NC Med J** 1987 Jul;48(7):357–62

The recognition and control of sexually transmitted diseases [letter] MacCormack JN, et al. **NC Med J** 1987 Apr; 48(4):226–7

Implications of screening on the biology of cervical cancer. Hakama M. **Nowotwory** 1986 Jan–Mar;36(1):1–5

Health screening to promote health for the elderly. Albert M. **Nurse Pract** 1987 May;12(5):42–4, 48–51, 54–8

AIDS and AIDS-related conditions: screening for populations at risk. Carr GS, et al. **Nurse Pract** 1986 Oct; 11(10):25–6, 29, 32–6 passim

Adult preventive health screening: 1987 update. Lindberg SC. **Nurse Pract** 1987 May;12(5):19–22, 25–30, 32, passim

Protocol for hepatitis screening and follow-up of Southeast Asian refugees. Poss JE. **Nurse Pract** 1987 Jul;12(7):8–10, 15

Acquired immunodeficiency syndrome: suggested protocol for counseling and screening in pregnancy. Sachs BP, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):408–11

Cervical cancer control with irrigation smears. Davis HJ, et al. **Obstet Gynecol Surv** 1969 Jul;24(7 Pt 2):927–35

Effectiveness of newborn screening programs for congenital hypothyroidism: prevalence of missed cases. Fisher DA. **Pediatr Clin North Am** 1987 Aug;34(4):881–90 (37 ref.)

Screening infants for neuroblastoma in North America. McWilliams NB. **Pediatrics** 1987 Jun;79(6):1048–9

Neuroblastoma: the case for screening infants in North America. Woods WG, et al. **Pediatrics** 1987 Jun; 79(6):869–73

The behavioural aspects of breast and cervical screening. Hobbs P. **Radiography** 1986 Nov–Dec;52(606):287–90

Screening diagnosis of secretory otitis media. Aniansson G. **Scand Audiol [Suppl]** 1986;26:65–9

Screening for cancer. Hakama M. **Scand J Soc Med [Suppl]** 1986;37:17–25

The effect of non-response bias on the results of two-stage screening surveys of psychiatric disorder. Williams P, et al. **Soc Psychiatry** 1986;21(4):182–6

Breast cancer screening [letter] **Surgery** 1987 Jul; 102(1):106–14

Breast cancer screening: a different look at the evidence. Wright CJ. **Surgery** 1986 Oct;100(4):594–8

Mass screening of hepatobiliary diseases by real-time ultrasonography. Yang PM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Dec;85(12):1144–50

Let's add chest x-ray to breast cancer screening [letter] Abrams RH. **Tex Med** 1987 Mar;83(3):10

Screening for breast cancer: why not try it? [editorial] Peters GN. **Tex Med** 1986 Nov;82(11):5–6

Hyperlipidaemia: screening and therapy. Lewis B. **Verh Dtsch Ges Inn Med** 1986;92:412–9

Human immunodeficiency virus antibody screening in blood donors from India, Nigeria and Thailand. Kühnl P, et al. **Vox Sang** 1987;52(3):203–5

Criticism of the California alpha fetoprotein screening program [letter] **West J Med** 1987 Jan;146(1):100

Screening in preventive care for adolescents. Braveman P, et al. **West J Med** 1987 Apr;146(4):490–3

Fecal occult blood screening and evaluation for a positive test. Brendler SJ, et al. **West J Med** 1987 Jan;146(1):103–5

AFP anxiety [letter] Stillman PC, et al. **West J Med** 1986 Sep;145(3):393

Prevalence of antibody to human immunodeficiency virus and client characteristics in the Wisconsin Alternate Site Testing and Counseling Program, 1985–1986. Belongia EA, et al. **Wis Med J** 1987 May;86(5):23–7

Mass Hemoccult screening for colon cancer in Manitowoc county. Goswitz JT. **Wis Med J** 1987 Apr;86(4):25–8

[Epidemiologic characteristics of chronic gastritis. Studies of the iris in mass screening of the population] Alekseev VF. **Vutr Boles** 1986;25(5):27–9 **(Bul)**

[The TETRA C Pécs–Baranya Project. A comprehensive program for the fight against cardiovascular diseases among the citizens of southern Hungary] Szilárd I, et al. **Cesk Zdrav** 1986 Sep;34(8–9):347–53 (Eng. Abstr.) **(Cze)**

[The surgeon and mass screening for breast cancer] Wobbes T, et al. **Ned Tijdschr Geneeskd** 1986 Nov 22;130(47):2116–7 **(Dut)**

[Congenital hypothyroidism. Current viewpoints and developments] Gons MH, et al. **Tijdschr Kindergeneeskd** 1986 Dec;54(6):164–9 (Eng. Abstr.) **(Dut)**

[Use of the CATT Testryp in screening for trypanosomiasis in Nioki, Zaire] Pépin J, et al. **Ann Soc Belg Med Trop** 1986 Sep;66(3):213–24 (Eng. Abstr.) **(Fre)**

[Early screening of cancer of the stomach in Japan] Murata I, et al. **J Chir (Paris)** 1987 Jan;124(1):35–8 (Eng. Abstr.) **(Fre)**

[Screening for cancer of the cervix uteri. The role of contraception and socio-occupational class] Brémond A. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(8):1021–5 (Eng. Abstr.) **(Fre)**

[Detection of vision disorders in the primary schools of Rabat] Bellakhdar-Lamdaouar N, et al. **Maroc Med** 1986 Sep;8(3):335–9 (Eng. Abstr.) **(Fre)**

[Role of a screening center] Van Cauwenberge JR, et al. **Rev Med Liege** 1987 Feb 15;42(4):131–3 **(Fre)**

[Serologic screening of hydatidosis in Tunisia] Ben Saïd M, et al. **Tunis Med** 1986 Apr;64(4):321–4 (Eng. Abstr.) **(Fre)**

[The task of Youth Health Protection in the carrying out of a mass hypertension prevention screening program] Maahs H. **Arztl Jugendkd** 1986 Oct;77(5):324–9 (Eng. Abstr.) **(Ger)**

[Results of the study of 96,483 cervical smears of young females up to 30 years of age. A review 5 years following the expansion of a preventive care program] Bierfreund B. **Geburtshilfe Frauenheilkd** 1986 Nov;46(11):804–7 (Eng. Abstr.) **(Ger)**

[Ultrasound as a screening procedure for the detection of ovarian neoplasms] Bhan V, et al. **Gynakologe** 1986 Sep; 19(3):135–41 **(Ger)**

[Current aspects of mucoviscidosis screening in East Germany] Hein J, et al. **Kinderarztl Prax** 1986 Oct; 54(10):547–51 (Eng. Abstr.) **(Ger)**

[Simple methods in the detection of galactose-1-phosphate and galactitol from samples on filter paper] Máté M. **Kinderarztl Prax** 1987 May;55(5):241–5 (Eng. Abstr.) **(Ger)**

[Screening and monitoring studies on employees working with video display terminals] Thaler A, et al. **Klin Monatsbl Augenheilkd** 1987 Mar;190(3):213–4 (Eng. Abstr.) **(Ger)**

[Empirical study of the assessment of diagnostic procedures as exemplified by the Hemoccult test] Windeler J, et al. **Klin Wochenschr** 1986 Oct 31;64(21):1106–12 (Eng. Abstr.) **(Ger)**

[Stapedius reflex audiometry as an objective screening test in newborn infants] Leonardy-Dollier B, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Jan;66(1):30–1 (Eng. Abstr.) **(Ger)**

[Summary of a new assessment strategy in positive occult blood tests in mass screening] Robra BP. **Leber Magen Darm** 1987 Apr;17(2):113–24 (Eng. Abstr.) **(Ger)**

[Possible interfering factors in the screening of newborn infants for inborn errors of metabolism and measures for their prevention] Mathias D, et al. **Monatsschr Kinderheilkd** 1987 May;135(5):282–4 (Eng. Abstr.) **(Ger)**

[Results of a pilot study of neonatal screening for congenital biotinidase deficiency] Sander J, et al. **Monatsschr Kinderheilkd** 1986 Oct;134(10):729–32 (Eng. Abstr.) **(Ger)**

[Implementation and evaluation of blood pressure measurements in children and adolescents] Bachmann H. **Off Gesundheitswes** 1986 Sep;48(9):536–42 (Eng. Abstr.) **(Ger)**

[Early detection of intestinal cancer--a task for the public health office?] Menke J. **Off Gesundheitswes** 1987 Jun; 49(6):282–4 (Eng. Abstr.) **(Ger)**

[Cancer patients among one's circle of acquaintances--effect on participation in early cancer detection studies] Neuser J, et al. **Off Gesundheitswes** 1986 Nov;48(11):599–604 (Eng. Abstr.) **(Ger)**

[Early detection of mucoviscidosis patients using trypsin RIA in dried blood stains] Luz O. **Padiatr Padol** 1987; 22(2):139–41 (Eng. Abstr.) **(Ger)**

[Sonographic screening for hip dysplasia in newborn infants] Exner GU, et al. **Schweiz Med Wochenschr** 1987 Jul 7; 117(27–28):1015–20 (Eng. Abstr.) **(Ger)**

[Initial experience using routine hip sonography in newborn infants] Dorn U, et al. **Wien Klin Wochenschr** 1987 Feb 6;99(3):92–5 (Eng. Abstr.) **(Ger)**

[Hemoccult test--screening] **Z Gastroenterol** 1987 Mar; 25(3):185–94 **(Ger)**

[Hepatitis B screening in pregnancy] Vytiska-Binstorfer E, et al. **Z Geburtshilfe Perinatol** 1987 Mar-Apr;191(2):68–70 (Eng. Abstr.) **(Ger)**

[Secondary prevention of breast cancer within the scope of mass roentgen screening] Hetzke E, et al. **Z Gesamte Hyg** 1987 Jun;33(6):274–6 (Eng. Abstr.) **(Ger)**

[Early detection and follow-up of solid tumors] Jorke D. **Z Gesamte Inn Med** 1987 Jan 1;42(1):14–7 (Eng. Abstr.) **(Ger)**

[Screening for neurosis in pregnant patients allows better detection of the risk of an underweight child] Herold K. **Zentralbl Gynakol** 1987;109(11):722–8 (Eng. Abstr.) **(Ger)**

[Experience with preventive gynecology in 5700 university students] Calzolari E, et al. **Minerva Ginecol** 1987 Jun; 39(6):417–21 (Eng. Abstr.) **(Ita)**

[Screening and vaccination against hepatitis B among health personnel. Short-term results] Bertoglio C, et al. **Minerva Med** 1987 Apr 30;78(8):537–42 (Eng. Abstr.) **(Ita)**

[Results of a screening for atopy and aspecific bronchial hyperreactivity in 6-year-old children] Berni Canani M, et al. **Pediatr Med Chir** 1986 Nov–Dec;8(6):865–72 (Eng. Abstr.) **(Ita)**

[A study on the efficiency of gastric cancer screening, with special reference to the appropriate frequency of screening] Kohrogi N. **Fukuoka Igaku Zasshi** 1987 Feb;78(2):67–81 (Eng. Abstr.) **(Jpn)**

[Detection and prognosis of alimentary tract cancers--mass screening] Nishizawa M, et al. **Gan No Rinsho** 1987 Apr; 33(4):382–5 (Eng. Abstr.) **(Jpn)**

[Epidemiology of neuroblastoma] Takeda T, et al. **Gan No Rinsho** 1987 Apr;33(5 Suppl):501–6 (Eng. Abstr.) **(Jpn)**

[Present status of heart disease screening of school children in Japan] Fujita S. **Hokkaido Igaku Zasshi** 1987 May; 62(3):357–61 **(Jpn)**

[Mass survey of hepatocellular cancer] Fukuda M. **Hokkaido Igaku Zasshi** 1986 Jul;61(4):505–9 **(Jpn)**

[Mass screening of prostatic diseases] Furuya S. **Hokkaido Igaku Zasshi** 1986 Jul;61(4):520 **(Jpn)**

[Present status of mass screening of cancer of the uterine cervix] Kutsuzawa T, et al. **Hokkaido Igaku Zasshi** 1986 Jul;61(4):499–504 **(Jpn)**

[Mass screening of gastric cancer in Hokkaido Prefecture] Tamura K. **Hokkaido Igaku Zasshi** 1986 Jul;61(4):489–93 **(Jpn)**

[Present state and prospectives in the diagnosis and therapy of lung neoplasms. 3. Efficacy of mass screening of lung cancer] Yasuda S. **Hokkaido Igaku Zasshi** 1987 Mar; 62(2):200–8 (10 ref.) **(Jpn)**

[Current problems in mass screening of lung cancer] Yasuda S. **Hokkaido Igaku Zasshi** 1986 Jul;61(4):494–9 **(Jpn)**

[Measurement of radioimmunoassay of alpha-fetoprotein in dried blood samples on paper for mass screening of hepatocellular carcinoma] Fang M, et al. **Kaku Igaku** 1986 Aug;23(8):1079–82 **(Jpn)**

[Results of mass screening by automobile for cancer of the cervix uteri in Fukui Prefecture in the past ten years] Iida K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Dec; 38(12):2171–7 (Eng. Abstr.) **(Jpn)**

[Mass screening for the early diagnosis of prostatic cancer] Yamanaka H, et al. **Rinsho Byori** 1986 Jul;34 Spec No 68:30–4 **(Jpn)**

[A population survey on mass screening program for gastric cancer. Part 2. Why don't they receive mass screening examination?] Akamatsu N, et al. **Sangyo Ika Daigaku Zasshi** 1986 Dec 1;8(4):415–22 (Eng. Abstr.) **(Jpn)**

[Mass screening in the prevention of cancer of the breast and cervix uteri] Zomer-Drozda J, et al. **Nowotwory** 1987 Jan–Mar;37(1):25–32 (Eng. Abstr.) **(Pol)**

[Comparative evaluation of schoolchildren's qualification for mass screening following routine and extended health balance studies] Pułtorak M, et al. **Pediatr Pol** 1986 Jun; 61(6):365–73 (Eng. Abstr.) **(Pol)**

[The health of the population as the object of hygiene studies] Sokolov DK. **Gig Sanit** 1986 Aug;(8):13–6 (Eng. Abstr.) **(Rus)**

[Principal problems of dispensarization in the chemical industry] Ashbel' SI. **Gig Tr Prof Zabol** 1987 Apr;(4):1–5 (Eng. Abstr.) **(Rus)**

[Echocardiographic study of persons with asymptomatic ECG changes found during a mass epidemiological examination of the population] Golyzhnikov VA, et al. **Kardiologiia** 1987 Apr;27(4):97–8 **(Rus)**

[Thermography in mass screening of women with dyshormonal hyperplasia of the breasts] Mazurin VIa, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):36–9 (Eng. Abstr.) **(Rus)**

[Detection, prevention and treatment of proctologic diseases in general mass screening] Vrublevskii VA, et al. **Khirurgiia (Mosk)** 1987 Mar;(3):51–5 (Eng. Abstr.) **(Rus)**

[Role of mass screening in the prevention and treatment of late reocclusions of the aorto-iliac segment] Kriukov SD, et al. **Klin Khir** 1986;(10):46 **(Rus)**

[Hematological criteria of the reactivity of children of health group I in the system of general mass screening] Osin AIa. **Pediatriia** 1986 Aug;(8):8–11 (Eng. Abstr.) **(Rus)**

[Operations of an antituberculosis dispensary in mass preventive examinations of the population] Stadnikova AV, et al. **Probl Tuberk** 1986;(11):11–3 (Eng. Abstr.) **(Rus)**

[Factors affecting the participation of the population in mass screening] Davydova LI, et al. **Sov Med** 1986;(9):90–5 **(Rus)**

[Fibrogastroscopy in preventive screening and patient monitoring] Nekrasov LP, et al. **Sov Med** 1986;(11):54–6 **(Rus)**

[Prevention of vascular diseases of the brain during mass dispensarization of workers] Kistenev BA, et al. **Sov Zdravookhr** 1986;(11):17–20 **(Rus)**

[A single alphanumeric designation for medical records in automated systems for dispensarization of the population] Markovskii SA, et al. **Sov Zdravookhr** 1987;(1):35–7 (Eng. Abstr.) **(Rus)**

[System of preventive measures for hypertension] Mironov VA, et al. **Sov Zdravookhr** 1987;(4):45–7 (Eng. Abstr.) **(Rus)**

[Preventive examination of the population of the medical district of an urban polyclinic] Korol'kov AE, et al. **Ter Arkh** 1987;59(1):83–7 (Eng. Abstr.) **(Rus)**

[Detection of patients with syphilis during preventive examinations] Khamaganova AV, et al. **Vestn Dermatol Venerol** 1987;(5):71–3 (Eng. Abstr.) **(Rus)**

[Mass serologic research on syphilis] Shinskii GE, et al. **Vestn Dermatol Venerol** 1986;(8):63–6 (Eng. Abstr.) **(Rus)**

[Continuity of the joint care provided by ophthalmologists and pediatricians during general annual preventive examinations] Kovalevskiĭ EI, et al. **Vestn Oftalmol** 1986 Nov–Dec;102(6):8–11 (Eng. Abstr.) **(Rus)**

[Screening audiometry in children] Gavrilenko SL, et al. **Vestn Otorinolaringol** 1986 Sep–Oct;(5):60–2 (Eng. Abstr.) **(Rus)**

[Causes and various aspects of the treatment of dysphonia in children based on mass screening data] Mikhallova GD. **Vestn Otorinolaringol** 1987 Mar–Apr;(2):66–70 (Eng. Abstr.) **(Rus)**

[Results of examining the population in a region with high morbidity for oral mucosal cancer: precancerous changes] Zaridze DG, et al. **Vopr Onkol** 1987;33(2):38–41 (Eng. Abstr.) **(Rus)**

[Detection of diabetes mellitus during mass screening of the population] Danilovskaia NP, et al. **Vrach Delo** 1987 Jun; (6):11–2 (Eng. Abstr.) **(Rus)**

[Semeiotics of incipient forms of vascular diseases of the brain and their diagnosis during preventive examinations of the population] Kuznetsova LL. **Zh Nevropatol Psikhiatr** 1987; 87(1):33–8 (Eng. Abstr.) **(Rus)**

[Comprehensive program against chronic non-infectious diseases in basic population groups—the Belec Study. II. Program of interventions against elevated blood pressure] Sošić Z, et al. **Lijec Vjesn** 1987 Jan;109(1):1–5 (Eng. Abstr.) **(Scr)**

[Tuberculosis control in children of school age: lessons from a tuberculin screening program (letter)] Beltrán Brotóns J, et al. **Rev Clin Esp** 1987 Feb;180(2):120–1 **(Spa)**

ECONOMICS

Cost-effectiveness of neonatal IgE-screening for atopic allergy before 7 years of age. Hjalte K, et al. **Allergy** 1987 Feb;42(2):97–103

Hepatitis B vaccine and hepatitis B markers: cost effectiveness of screening prehospital personnel. Hankins DG, et al. **Am J Emerg Med** 1987 May;5(3):205–6

Gestational diabetes screening in a private, midwestern American population. Dietrich ML, et al. **Am J Obstet Gynecol** 1987 Jun;156(6):1403–8

Screening for HIV exposure [letter] Stankaitis JA, et al. **Am J Public Health** 1987 Oct;77(10):1354

Analysis of a mass colorectal cancer screening program for cost–effectiveness. Johnson MG, et al. **Am J Surg** 1987 Sep;154(3):261–3

Should tests for Chlamydia trachomatis cervical infection be done during routine gynecologic visits? An analysis of the costs of alternative strategies. Phillips RS, et al. **Ann Intern Med** 1987 Aug;107(2):188–94

Should we be screening for cervical cancer or breast cancer [letter] **Br Med J** 1987 Feb 28;294(6571):574

When does mass screening for open neural tube defects in low–risk pregnancies result in cost savings? Tosi LL, et al. **Can Med Assoc J** 1987 Feb 1;136(3):255–65

Effect of workup strategy on the cost–effectiveness of fecal occult blood screening for colorectal cancer. Barry MJ, et al. **Gastroenterology** 1987 Aug;93(2):301–10

Screening for colorectal cancer in a high–risk population. Results of a mathematical model. Eddy DM, et al. **Gastroenterology** 1987 Mar;92(3):682–92

Breast cancer screening [letter] **Lancet** 1987 May 16; 1(8542):1153–4

Economic aspects of screening for cervical cancer in New Zealand. Bethwaite J, et al. **NZ Med J** 1986 Oct 8; 99(811):747–51

Economics of screening for cancer of the cervix [letter] Hicks S, et al. **NZ Med J** 1986 Nov 26;99(814):916

A clinically effective breast cancer screening program can be cost–effective, too. Carter AP, et al. **Prev Med** 1987 Jan;16(1):19–34

Low–cost mass screening with mammography as a means of reducing overall mortality from breast cancer. McLelland R. **Radiol Clin North Am** 1987 Sep; 25(5):1007–13 (58 ref.)

Costs of screening for breast cancer. Moskowitz M. **Radiol Clin North Am** 1987 Sep;25(5):1031–7

Mammographic screening: how to operate successfully at low cost [letter] **Radiology** 1986 Dec;161(3):850–2

An economic appraisal of screening for Down's syndrome in pregnancy using maternal age and serum alpha fetoprotein concentration. Gill M, et al. **Soc Sci Med** 1987; 24(9):725–31

Cost–effectiveness of fecal occult blood screening [letter] Ganiats TG, et al. **West J Med** 1987 Apr;146(4):486–7

[Medical and economic aspects of the use of computers in oncological screening] Stranadko EF, et al. **Sov Med** 1986; (8):67–70 **(Rus)**

INSTRUMENTATION

Risk factors related to hearing impairment and screening with the Crib–O–Gram. Fujita M, et al. **Auris Nasus Larynx** 1986;13(3):129–38

Mobile unit for use in mass screening for breast cancer. Abe R, et al. **Jpn J Surg** 1987 May;17(3):151–5

[Cardioscreen–2—an automated dialog system for multipurpose and cardiological screening] Andreev NA, et al. **Kardiologiia** 1986 Nov;26(11):12–5 **(Rus)**

[Device for determining the critical frequency for flicker fusion] Netudykhatka OIu, et al. **Oftalmol Zh** 1987;(1):15–6 (Eng. Abstr.) **(Rus)**

[Experience in using the Soviet echotomoscope in prophylactic examinations of children] Maliutin AM, et al. **Vestn Rentgenol Radiol** 1987 May–Jun;(3):80–1 **(Rus)**

LEGISLATION & JURISPRUDENCE

Helling revisited: how the "tale" wagged the dogClassé JG. **J Am Optom Assoc** 1987 Apr;58(4):343–5

Biomedical surveillance: rights conflict with rights. Atherley G, et al. **J Occup Med** 1986 Oct;28(10):958–65

Biological monitoring in the workplace: ethical issues. Bayer R. **J Occup Med** 1986 Oct;28(10):935–9

Drugs in the workplace: from the batter's box to the boardroom. Bompey SH. **J Occup Med** 1986 Sep; 28(9):825–32

Screening and monitoring data as evidence in legal proceedings. Field RI, et al. **J Occup Med** 1986 Oct; 28(10):946–50

Ethical concerns in occupational screening programs. Lappé MA. **J Occup Med** 1986 Oct;28(10):930–4

Medical surveillance of employees under the Occupational Safety and Health Administration. Mintz BW. **J Occup Med** 1986 Oct;28(10):913–20

Discriminatory aspects of medical screening. Rothstein MA. **J Occup Med** 1986 Oct;28(10):924–9

Moral and legal issues in screening for drug use in adolescents [editorial] King NM, et al. **J Pediatr** 1987 Aug; 111(2):249–50

The rights of the mentally retarded and mandatory screening for the AIDS virus [letter] Tashjian VK. **JAMA** 1987 Mar 13;257(10):1327–8

Who decides US AIDS policy? [news] Anderson A. **Nature** 1987 May 7–13;327(6117):3

US Congress debates legislation in response to AIDS. Palca J. **Nature** 1987 Aug 13–19;328(6131):566

The legal aspects of screening for cervical neoplasia. Foster HH Jr. **Obstet Gynecol Surv** 1969 Jul;24(7 Pt 2):1029–35

[Detection of primary tuberculosis in children and adolescents] Geubelle F, et al. **Rev Med Liege** 1987 May 1;42(9):345–9 **(Fre)**

METHODS

Screening mammography [letter] McLelland R. **AJR** 1986 Nov;147(5):1091–3

Prenatal testing for maternal serum alpha–fetoprotein. Schwager EJ, et al. **Am Fam Physician** 1987 Apr; 35(4):169–74

Comparing new and old screening tests when a reference procedure cannot be performed on all screenees. Example of automated cytometry for early detection of cervical cancer. Schatzkin A, et al. **Am J Epidemiol** 1987 Apr; 125(4):672–8

Screening for alcohol abuse using the CAGE questionnaire. Bush B, et al. **Am J Med** 1987 Feb;82(2):231–5

A screening test (GBS–Test) for urogenital carriage of group B streptococci. Christensen K, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):341–2

Screening for gestational diabetes: one–hour carbohydrate tolerance test performed by a virtually tasteless polymer of glucose. Reece EA, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):132–4

Evaluation of public health preschool child developmental screening: the process and outcomes of a community program. Cadman D, et al. **Am J Public Health** 1987 Jan; 77(1):45–51

Feasibility of large–scale cholesterol screening: experience with a portable capillary–blood testing device. Greenland P, et al. **Am J Public Health** 1987 Jan;77(1):73–5

Biochemical profiles. Applications in ambulatory screening and preadmission testing of adults. Cebul RD, et al. **Ann Intern Med** 1987 Mar;106(3):403–13

Screening for the detection of congenital dislocation of the hip. **Arch Dis Child** 1986 Sep;61(9):921–6

Screening for squamous cervical cancer: duration of low risk after negative results of cervical cytology and its implication for screening policies. IARC Working Group on evaluation of cervical cancer screening programmes. **Br Med J [Clin Res]** 1986 Sep 13;293(6548):659–64

Continuous opportunistic and systematic screening for hypertension with computer help: analysis of non–responders. Difford F, et al. **Br Med J [Clin Res]** 1987 May 2;294(6580):1130–2

The predictive accuracy of prenatal and postpartum high risk identification. Larson CP, et al. **Can J Public Health** 1987 May–Jun;78(3):188–92

Maternal serum alpha–fetoprotein screening: report of a Canadian pilot project. Doran TA, et al. **Can Med Assoc J** 1987 Aug 15;137(4):285–93

The frequency of cervical cancer screening. Comparison of a mathematical model with empirical data. Eddy DM. **Cancer** 1987 Sep 1;60(5):1117–22

Family history of colorectal cancer as a marker of potential malignancy within a screening program. Rozen P, et al. **Cancer** 1987 Jul 15;60(2):248–54

Mass screening for colorectal cancer by testing for occult blood under restricted diet and a questionnaire in Osaka. Fujita M, et al. **Cancer Detect Prev** 1987;10(5–6):353–60

Exercise testing and radionuclide procedures in high–risk populations. Bonow RO. **Circulation** 1987 Mar;75(3 Pt 2):II18–9

Epidemiologic aspects of the asymptomatic positive exercise test. Doyle JT. **Circulation** 1987 Mar;75(3 Pt 2):II12–3

Screening for diabetic retinopathy—comparison of a nurse and a doctor with retinal photography. Forrest RD, et al. **Diabetes Res** 1987 May;5(1):39–42

The value of endometrial cytology by scraping in 1,798 cases: screening in asymptomatic women and diagnosis in symptomatic ones. Porrazzi LC, et al. **Diagn Cytopathol** 1987 Jun;3(2):112–20

Prevalence of asymptomatic bacteriuria and comparison between different screening methods for its detection in infants. Goossens H, et al. **Eur J Epidemiol** 1985 Dec; 1(4):301–4

Can ultrasound be used to screen uterine malformations? Nicolini U, et al. **Fertil Steril** 1987 Jan;47(1):89–93

Screening for colorectal cancer in a high risk population [letter] Gholson CF. **Gastroenterology** 1987 Oct;93(4):916

Results from a cervical cancer screening programme in Manitoba, Canada. Choi NW, et al. **IARC Sci Publ** 1986; (76):61–7

The epidemiological basis for evaluating different screening policies. Day NE. **IARC Sci Publ** 1986;(76):199–212

Screening for ovarian cancer. Goswamy RK, et al. **IARC Sci Publ** 1986;(76):305–9

Risk of cervical cancer following negative smears in Maribo County, Denmark, 1966–1982. Lynge E, et al. **IARC Sci Publ** 1986;(76):69–86

Combined analysis of data from north–east Scotland and Iceland. Moss S. **IARC Sci Publ** 1986;(76):43–6

Additional results on relative protection of cervical cancer screening according to stage of tumour from the Geneva case–control study. Raymond L, et al. **IARC Sci Publ** 1986; (76):107–10

Cervical cancer screening data from two cohorts in British Columbia. van Oortmarssen GJ, et al. **IARC Sci Publ** 1986; (76):47–60

The signal–averaged electrocardiogram as a screening test for inducibility of sustained ventricular tachycardia in high risk patients: a prospective study. Nalos PC, et al. **J Am Coll Cardiol** 1987 Mar;9(3):539–48

Clinical and laboratory screening of Chlamydia trachomatis in women at a university health service. Pereira CA, et al. **J Am Coll Health** 1987 Jul;36(1):39–43

A prenatal screening system for use in a community–based setting. Kennedy ET. **J Am Diet Assoc** 1986 Oct; 86(10):1372–5

Audit procedures in the National Breast Screening Study: mammography interpretation [published erratum appears in J Can Assoc Radiol 1987 Mar;38(1):59] Baines CJ, et al. **J Can Assoc Radiol** 1986 Dec;37(4):256–60

Role of fine needle aspiration cytology in breast cancer screening. Lamb J, et al. **J Clin Pathol** 1987 Jul;40(7):705–9

Screening for colorectal cancer [letter] Dervin JV. **J Fam Pract** 1987 Feb;24(2):208

The use of the family APGAR in screening for family dysfunction in a family practice center. Mengel M. **J Fam Pract** 1987 Apr;24(4):394–8

Screening tests for dementia [letter] Scheetz A. **J Gen Intern Med** 1986 Sep–Oct;1(5):344

Use of radiography for screening employees for risk of low–back disability. Edeiken J, et al. **J Occup Med** 1986 Oct;28(10):995–7

Exercise stress testing to screen for coronary artery disease in asymptomatic persons. Hlatky MA. **J Occup Med** 1986 Oct;28(10):1020–5

Use and effectiveness of chest radiography and low–back radiography in screening. Joseph LP, et al. **J Occup Med** 1986 Oct;28(10):998–1003

Screening occupational populations for asymptomatic or early peripheral neuropathy. Moody L, et al. **J Occup Med** 1986 Oct;28(10):975–86

Drug screening—the provider's perspective. Jaffe MS. **J Okla State Med Assoc** 1986 Oct;79(10):760–5

An improved screening system for the early detection of congenital dislocation of the hip. Bernard AA, et al. **J Pediatr Orthop** 1987 May–Jun;7(3):277–82

Mass screening for colorectal cancer in Hungary. Preisich P, et al. **J R Soc Med** 1987 Jun;80(6):352–3

Modification of a screening technique to evaluate systemic lupus erythematosus in a Chinese population in Taiwan. Chou CT, et al. **J Rheumatol** 1986 Aug;13(4):806–9

The significance of asymptomatic microhematuria in men 50 or more years old: findings of a home screening study using urinary dipsticks. Messing EM, et al. **J Urol** 1987 May; 137(5):919–22

Colorectal cancer at a public health center [letter] Bobrow RS. **JAMA** 1987 Feb 13;257(6):782–3

'Oncolipids' offer promise as universal screening tool for cancer [news] Zylke JW. **JAMA** 1987 Apr 10;257(14):1849

An evaluation of fecal occult blood screening in automated multiphasic health testing and services. Nishikawa A, et al. **Jpn J Clin Oncol** 1987 Jun;17(2):107–12

Update on HIV infection. HIV antibody testing. Matuszak DL, et al. **Md Med J** 1987 Jan;36(1):40–3

Organized mammographic screening programmes. A benign or malignant neglect? Mitchell H. **Med J Aust** 1987 Jan 19;146(2):87–90

A graphic method of estimating the specificity of screening programmes from incomplete follow–up data. Brecht JG, et al. **Methods Inf Med** 1987 Jan;26(1):53–8

Compulsory drug testing [letter] **N Engl J Med** 1987 Aug 6;317(6):388–9

Screening for gestational diabetes with the one–hour 50–g glucose test. Sacks DA, et al. **Obstet Gynecol** 1987 Jul;

70(1):89–93
Ultrasound evaluation of the distal femoral epiphyseal ossification center as a screening test for intrauterine growth retardation. Zilianti M, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):361–4
Psychosocial screening [letter] Frankenburg WK. **Pediatrics** 1987 Aug;80(2):302–3
The impact of screening for open neural tube defects in England and Wales. Cuckle H, et al. **Prenat Diagn** 1987 Feb;7(2):91–9
Tuberculosis screening in Boston's homeless shelters. Barry MA, et al. **Public Health Rep** 1986 Sep–Oct;101(5):487–94
The control of breast cancer through mammography screening. What is the evidence? Tabár L, et al. **Radiol Clin North Am** 1987 Sep;25(5):993–1005 (44 ref.)
Postmenopausal osteoporosis: simple screening method for diagnosis before structural failure. Meema HE, et al. **Radiology** 1987 Aug;164(2):405–10
Methods of intervention to modify drinking patterns in heavy drinkers. Kristenson H. **Recent Dev Alcohol** 1987;5:403–23
Screening for breast cancer in Malmö: a randomized trial. Andersson I, et al. **Recent Results Cancer Res** 1987;105:62–6
Mammography screening: published guidelines and actual practice. Feig SA. **Recent Results Cancer Res** 1987; 105:78–84
Projected benefits and risks from mammographic screening. Feig SA. **Recent Results Cancer Res** 1987;105:85–8
Screening for breast cancer: an overview. Tabár L. **Recent Results Cancer Res** 1987;105:58–61
The Guildford Breast Screening Project: 6-year assessment. Thomas BA, et al. **Recent Results Cancer Res** 1987; 105:67–72
Active case-finding—for the whole community or for tuberculosis contacts only? Gilpin TP, et al. **S Afr Med J** 1987 Aug 15;72(4):260–2
Psychiatric screening in general practice in Italy. A validity study of the GHQ (General Health Questionnaire). Bellantuono C, et al. **Soc Psychiatry** 1987;22(2):113–7
The cultural impact of the 'AIDS' test: the American experience. McCombie SC. **Soc Sci Med** 1986;23(5):455–9
Detection of early lung cancer: results of radiologic and cytologic screening in the Miyagi program. Nakada T, et al. **Tohoku J Exp Med** 1987 Jun;152(2):173–86
Determination of urinary vanillylmandelic acid and homovanillic acid by high performance liquid chromatography for mass screening of neuroblastoma. Sato Y, et al. **Tohoku J Exp Med** 1986 Oct;150(2):169–74
[Experience with the employment of telephone interviews for group screening in epidemiological studies] Groth S, et al. **Ugeskr Laeger** 1986 Nov 24;148(48):3253–6 (Eng. Abstr.) **(Dan)**
[School screening of hemoglobinopathies in the Marseilles area. An analytic study of 35,289 tests] Orsini A, et al. **Arch Fr Pediatr** 1987 Jun–Jul;44(6):455–9 (Eng. Abstr.) **(Fre)**
[Changes in the fundus oculi and risk factors in cardiovascular surgery] Escoute-Traciet R, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:326–30 **(Fre)**
[Detection of cancer of the endometrium] Ritter J, et al. **Rev Fr Gynecol Obstet** 1987 May;82(5):337–41 (Eng. Abstr.) **(Fre)**
[Computer-assisted screening for cervical carcinoma—the results for a 10-year period] Neumann HG, et al. **Arch Geschwulstforsch** 1987;57(2):129–39 (Eng. Abstr.) **(Ger)**
[Screening of newborn infants for phenylketonuria and galactosemia—comments on the procedure] Gfrörer S, et al. **Off Gesundheitswes** 1987 Jan;49(1):34–5 (Eng. Abstr.) **(Ger)**
[Is hip sonography meaningful as a screening method?] Benz-Bohm G, et al. **ROFO** 1987 Feb;146(2):188–91 (Eng. Abstr.) **(Ger)**
[Screening in the early detection of malignant neoplasms—scientific principles, methods of evaluating success and practical consequences] Ebeling K. **Z Arztl Fortbild (Jena)** 1987;81(11):521–8 (41 ref.) **(Ger)**
[Colonic and rectal cancer screening using fecal occult blood analysis (our experience)] Trignano M, et al. **Chir Ital** 1986 Oct;38(5):511–8 (Eng. Abstr.) **(Ita)**
[Neonatal screening for the congenital adrenogenital syndrome] Levis F, et al. **Minerva Endocrinol** 1987 Apr–Jun;12(2):101–5 (14 ref.) (Eng. Abstr.) **(Ita)**
[Screening of early lung cancer: results of the Miyagi study] Nakata T. **Hokkaido Igaku Zasshi** 1986 Jul;61(4):485–8 **(Jpn)**
[Neonatal screening for congenital adrenal hyperplasia due to 21-hydroxylase deficiency. 3. An enzyme-linked immunosorbent assay for dried blood 17 alpha-hydroxyprogesterone] Fukushi M, et al. **Nippon Naibunpi Gakkai Zasshi** 1987 Feb 20;63(2):113–22 (Eng. Abstr.) **(Jpn)**
[Neonatal screening for congenital adrenal hyperplasia due to 21-hydroxylase deficiency. 4. Development of enzyme-linked immunosorbent assay for dried blood cortisol and its application to neonatal screening for congenital adrenal hyperplasia due to 21-hydroxylase deficiency] Fukushi M, et al. **Nippon Naibunpi Gakkai Zasshi** 1987 Mar 20;63(3):205–14 (Eng. Abstr.) **(Jpn)**
[Neonatal screening for congenital adrenal hyperplasia due to 21-hydroxylase deficiency. 1. Enzyme immunoassay of dried blood 17 alpha-hydroxyprogesterone and its application to neonatal screening for congenital adrenal hyperplasia] Fukushi M, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Jun 20;62(6):683–96 (Eng. Abstr.) **(Jpn)**
[Neonatal screening for congenital adrenal hyperplasia due to 21-hydroxylase deficiency. 2. Analysis of steroids with high-performance liquid chromatography for diagnosis of congenital adrenal hyperplasia] Mizushima Y, et al. **Nippon Naibunpi Gakkai Zasshi** 1987 Feb 20;63(2):102–12 (Eng. Abstr.) **(Jpn)**
[Studies on the use of CA-125 in gynecologic mass screening] Nakatani K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan;39(1):157–60 **(Jpn)**
[Epidemiology of fatty liver—ultrasound mass survey in a rural region] Yajima Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct;83(10):2139–44 (Eng. Abstr.) **(Jpn)**
[The Kokonov reaction as a screening test in targeted oncologic screening examinations] Gritsman Iula, et al. **Lab Delo** 1987;(5):338–40 (Eng. Abstr.) **(Rus)**
[A method of assessing the probability of echinococcosis morbidity based on results of a mass immunological examination of the population (using the example of echinococcosis foci in the Yakut ASSR)] Shakarov AG, et al. **Med Parazitol (Mosk)** 1986 Jul–Aug;(4):52–3 (Eng. Abstr.) **(Rus)**
[The questionnaire method in mass screening of the population for the presence of diabetes mellitus] Suntsov Iul, et al. **Probl Endokrinol (Mosk)** 1987 Mar–Apr;33(2):6–9 (Eng. Abstr.) **(Rus)**
[Use of automated screening for detecting pulmonary tuberculosis patients and persons with residual tuberculous changes] Kibrik BS, et al. **Probl Tuberk** 1987;(5):16–9 (Eng. Abstr.) **(Rus)**
[Complex exploratory examinations as the initial stage of the dispensarization of the population in sparsely populated cattle-breeding areas] Ryspekov ZT, et al. **Probl Tuberk** 1986;(7):6–8 (Eng. Abstr.) **(Rus)**
[Data processing modeling in the preventive medical examinations of women] Andreev NA, et al. **Sov Med** 1987; (6):41–5 **(Rus)**
[Identification of high-risk groups for breast cancer by using thermography] Pletnev SD, et al. **Sov Med** 1987;(4):47–9 (Eng. Abstr.) **(Rus)**
[The use of questionnaires as a method of detecting chronic diseases of the respiratory organs in the population] Kibrik BS, et al. **Sov Zdravookhr** 1986;(12):41–3 **(Rus)**
[Sociologic survey of the opinion of district physicians concerning ways of improving the dispensarization of the population] Madakhanov AS. **Sov Zdravookhr** 1987; (1):11–3 (Eng. Abstr.) **(Rus)**
[Various unresolved matters in the annual mass screening of adolescents in a large city] Poliakov IV, et al. **Sov Zdravookhr** 1987;(3):8–11 (Eng. Abstr.) **(Rus)**
[The staged introduction of comprehensive oral disease prevention in children in a rural locale] Solov'ev MM, et al. **Stomatologiia (Mosk)** 1987 May–Jun;66(3):76–8 (Eng. Abstr.) **(Rus)**
[Use of a method for assessing the glucose tolerance test by a generalized criterion in detecting the early stages of diabetes mellitus in the universal dispensary care of the population] Efimov AS, et al. **Ter Arkh** 1987;59(5):135–8 (Eng. Abstr.) **(Rus)**
[Dispensary monitoring of patients with eye diseases] Starkov GL, et al. **Vestn Oftalmol** 1986 Nov–Dec;102(6):3–5 **(Rus)**
[Features of the dispensarization of ships' officers] Gura EI, et al. **Voen Med Zh** 1987 Jan;(1):45–6 **(Rus)**
[The Armenian SSR program of active screening for tumors of the digestive tract] Mkrtchian LN, et al. **Vopr Onkol** 1987;33(7):87–90 (Eng. Abstr.) **(Rus)**
[Approaches to the oncological component of annual mass screening] Potapov AI, et al. **Vopr Onkol** 1986;32(9):3–6 **(Rus)**
[Acceleration of electrocardiogram processing during dispensarization] Fial'kovskii LI. **Vrach Delo** 1987 Feb; (2):91–4 **(Rus)**
[Extraction of an informative cluster of factors for identification of patients with neuropsychiatric diseases] Leshchinskiĭ BS, et al. **Zh Nevropatol Psikhiatr** 1986; 86(8):1212–5 (Eng. Abstr.) **(Rus)**
[The Cornell Medical Index as a screening instrument for somatic and/or psychiatric pathology in a rural community] Alonso Sánchez M, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1987 Mar–Apr;15(2):57–65 (Eng. Abstr.) **(Spa)**

ORGANIZATION & ADMINISTRATION

Colorectal cancer. A blueprint for disease control through screening by primary care physicians. Wanebo HJ, et al. **Arch Surg** 1986 Nov;121(11):1347–52
Opportunistic screening for cervical cancer [letter] Husain OA. **Br Med J [Clin Res]** 1986 Nov 15;293(6557):1308–9
Screening for squamous cervical cancer—the duration of low risk following negative results in cervical cytology test: introduction. IARC Working Group on Cervical Cancer Screening. **IARC Sci Publ** 1986;(76):15–24
Efficacy of screening in preventing invasive cervical cancer: a case-control study in Milan, Italy. Berrino F, et al. **IARC Sci Publ** 1986;(76):111–23
Reasons that some screening programmes fail to control cervical cancer. Chamberlain J. **IARC Sci Publ** 1986; (76):161–8
Optimal frequency of screening for cervical cancer: a Toronto case-control study. Clarke EA, et al. **IARC Sci Publ** 1986;(76):125–31
Information requirements for cervical cancer screening programmes. Draper GJ. **IARC Sci Publ** 1986;(76):171–83
Organization and results of cervical cancer screening in the German Democratic Republic. Ebeling K, et al. **IARC Sci Publ** 1986;(76):251–66
Organization of screening in technically advanced countries: Iceland. Geirsson G. **IARC Sci Publ** 1986;(76):239–50
Cervical cancer screening in Iceland: a case-control study. Geirsson G, et al. **IARC Sci Publ** 1986;(76):37–41
Screening for endometrial cancer. Koss LG. **IARC Sci Publ** 1986;(76):293–300
Organization of screening programs in developing countries with reference to screening for cancer of the uterine cervix in India. Luthra UK, et al. **IARC Sci Publ** 1986;(76):273–88
Cervical cancer screening in north-east Scotland. Macgregor JE, et al. **IARC Sci Publ** 1986;(76):25–36
Cytological mass screening in Ostfold County, Norway. Magnus K, et al. **IARC Sci Publ** 1986;(76):87–90
Evaluation of the impact of screening for cancer of the cervix. Miller AB. **IARC Sci Publ** 1986;(76):149–60
Evaluation of the effect of Papanicolaou screening in Sweden: record linkage between a central screening registry and the National Cancer Registry. Pettersson F, et al. **IARC Sci Publ** 1986;(76):91–105
Population screening for cholesterol determination. A pilot study. Wynder EL, et al. **JAMA** 1986 Nov 28; 256(20):2839–42
Screening strategies for cervical cancer [editorial] **Lancet** 1986 Sep 27;2(8509):725–6
Breast cancer screening [editorial] **Lancet** 1987 Mar 7; 1(8532):543–4
Trends in mortality from cervical cancer in the Nordic countries: association with organised screening programmes. Lääră E, et al. **Lancet** 1987 May 30; 1(8544):1247–9
The use of computers in mammography screening. Sickles EA. **Radiol Clin North Am** 1987 Sep;25(5):1015–30
Participation in mass screening for colorectal cancer with fecal occult blood test. Klaaborg K, et al. **Scand J Gastroenterol** 1986 Dec;21(10):1180–4
[Justification, organization and results of the screening of hypothyroidism] Farriaux JP. **Rev Med Brux** 1987 Apr; 8(4):224–6 (Eng. Abstr.) **(Fre)**
[Breast cancer screening 1984. II. Planning of breast cancer screening in Poland] Buraczewski J. **Nowotwory** 1986 Jan–Mar;36(1):6–11 (Eng. Abstr.) **(Pol)**
[The organization and results of the mass screening of women for the prevention of cervical cancer in the city of Kielce] Malarewicz A. **Nowotwory** 1986 Jul–Sep;36(3):206–10 (Eng. Abstr.) **(Pol)**
[Opinions of general practitioners in primary health care with regard to mass screening and active counseling] Walczak A. **Wiad Lek** 1986 Jun 15;39(12):825–32 (Eng. Abstr.) **(Pol)**
[Mass screening and active counseling in a preventive and therapeutic service region] Walczak A, et al. **Wiad Lek** 1986 Jun 1;39(11):757–64 (Eng. Abstr.) **(Pol)**
[The 1-day hospital for gynecological patients as one of the stages of mass screening] Morina LR, et al. **Akush Ginekol (Mosk)** 1987 May;(5):66–7 (Eng. Abstr.) **(Rus)**
[A unified program of examining schoolchildren in the USSR and Democratic Republic of Germany] Anan'eva NA, et al. **Gig Sanit** 1986 Oct;(10):36–8 **(Rus)**
[System of participation of pediatric ophthalmologists in general mass screening of children] Bashliaeva ZA, et al. **Pediatriia** 1986 Jul;(7):50–2 **(Rus)**
[Mass screening and medico-vocational counseling of school children with pathology of the urinary tract] Surkov VD, et al. **Pediatriia** 1987;(5):87–9 **(Rus)**
[Cooperative work of the phthisiotherapist and the therapist during the period of dispensarization of the entire population] Dardzhania ShB. **Probl Tuberk** 1987;(3):11–2 (Eng. Abstr.) **(Rus)**
[Antituberculosis service in the annual dispensarization of the population] Kolomiets VM, et al. **Sov Zdravookhr** 1986; (9):18–20 (Eng. Abstr.) **(Rus)**
[Improvement in the forms of preventive examination of the population] Nazaretian MK. **Sov Zdravookhr** 1987;(6):40–1 **(Rus)**
[Ambulatory mass screening for preventing and improving the outcome of acute pneumonia in military personnel] Kliachkin LM, et al. **Voen Med Zh** 1987 Feb;(2):18–21 **(Rus)**
[Experience with the dispensarization of patients in a therapeutic district] Grando AA, et al. **Vrach Delo** 1987 Jan;(1):120–1 **(Rus)**
[Features of patient care during dispensarization of the population] Ovetskaia NM. **Vrach Delo** 1987 Feb;(2):3–5 **(Rus)**
[Organization of mass preventive examination of workers and dispensarization of neurology patients at the automated medical diagnostic center of the "Kommunar" automotive plant at Zaporozh'e] Stoganenko OV. **Zh Nevropatol Psikhiatr** 1986;86(8):1126–9 (Eng. Abstr.) **(Rus)**
[Neonatal screening: who is covered? (letter)] Rivera de Caragol E. **Bol Asoc Med PR** 1986 Sep;78(9):411 **(Spa)**

PSYCHOLOGY

Mammography: attitudes and reactions. Jakobsen S, et al. **Recent Results Cancer Res** 1987;105:73–7

STANDARDS

Quality control of screening procedures in the Multiple Risk Factor Intervention Trial. Harrison HH, et al. **Controlled Clin Trials** 1986 Sep;7(3 Suppl):91S–108S

The impact of a health screening flow sheet on the performance and documentation of health screening procedures. Prislin MD, et al. **Fam Med** 1986 Sep–Oct; 18(5):290–2

Proposed evaluation criteria for screening programs for the elderly. Rogers J, et al. **Gerontologist** 1986 Oct;26(5):564–70

The limits of science in on–the–job drug screening. Panner MJ, et al. **Hastings Cent Rep** 1986 Dec;16(6):7–12

Sources of error in measurement of children's blood pressure in a large epidemiologic study: Bogalusa Heart Study. Burke GL, et al. **J Chronic Dis** 1987;40(1):83–9

Performance of cancer screening in a university general internal medicine practice: comparison with the 1980 American Cancer Society Guidelines. McPhee SJ, et al. **J Gen Intern Med** 1986 Sep–Oct;1(5):275–81

Immigrant health screening [letter] Lloyd AR, et al. **Med J Aust** 1987 Jun 1;146(11):609

Papanicolaou smear history of patients developing cervical cancer: an assessment of screening protocols [published erratum appears in Obstet Gynecol 1987 Apr;69(4):660] Bearman DM, et al. **Obstet Gynecol** 1987 Feb;69(2):151–5

[Frequency and function of the cytological examination of cervical smears: 1967–83 data from Geneva] Raymond L, et al. **Soz Praventivmed** 1986;31(4–5):197–9 (Eng. Abstr.) **(Fre)**

[Significance of sources of error and quality control in cytologic mass screening] Zimmer S, et al. **Zentralbl Gynakol** 1987;109(4):209–17 (Eng. Abstr.) **(Ger)**

[Present status and problems of mass screening—from the viewpoint of public health] Miyake K. **Hokkaido Igaku Zasshi** 1986 Jul;61(4):515–9 **(Jpn)**

TRENDS

Texas' breast screening project needs physician support [editorial] Lemaistre CA. **Tex Med** 1986 Nov;82(11):5

[Prevention, screening and other extra–therapeutic activities in the practice of general medicine] Bui Dang Ha Doan, et al. **Cah Sociol Demogr Med** 1986 Jan–Mar;26(1):3–76 **(Fre)**

[Annual dispensarization of the population—at the level of current requirements] Kanep VV. **Ter Arkh** 1987;59(1):6–10 **(Rus)**

[Various results and prospects for the dispensarization of the population for the purpose of reducing morbidity with influenza, other acute viral respiratory infections and their complications] Zlydnikov DM, et al. **Tr Inst Pastera** 1985; 63:18–22 **(Rus)**

UTILIZATION

Mammography screening: successes and problems in implementing widespread use in the United States. Gold RH, et al. **Radiol Clin North Am** 1987 Sep;25(5):1039–46

MASS SPECTROMETRY see **SPECTRUM ANALYSIS, MASS**

MASSAGE

Value of pre–operative carotid sinus massage. McConachie I. **Anaesthesia** 1987 Jun;42(6):636–8

Allergy to colophony acquired backstage. Aberer W. **Contact Dermatitis** 1987 Jan;16(1):34–6

Dissociation of insulin absorption and blood flow during massage of a subcutaneous injection site. Linde B. **Diabetes Care** 1986 Nov–Dec;9(6):570–4

Vasoactive intestinal polypeptides in connective tissue massage. With a note on VIP in heat pack treatment. Kaada B, et al. **Gen Pharmacol** 1987;18(4):379–84

Carotid sinus massage [letter] Somwanshi PR, et al. **J Assoc Physicians India** 1986 Nov;34(11):825

Perineal massage. Effect on the incidence of episiotomy and laceration in a nulliparous population. Avery MD, et al. **J Nurse Midwifery** 1987 May–Jun;32(3):181–4

The mechanism and the effects of Chinese traditional massage treatment on traumatic lumbar pain. Weng JY, et al. **J Tradit Chin Med** 1986 Sep;6(3):168–70

Effect of massage on serum level of beta–endorphin and beta–lipotropin in healthy adults. Day JA, et al. **Phys Ther** 1987 Jun;67(6):926–30

[Clinical evaluation of newborn infants after labor induced by breast massage] Krasnodebski J, et al. **Ginekol Pol** 1987 Jan;58(1):31–4 (Eng. Abstr.) **(Pol)**

[Results of treatment for lymphatic edema of the upper extremity after pneumatic massage] Woźniewski M. **Pol Tyg Lek** 1986 May 19;41(20):655–8 (Eng. Abstr.) **(Pol)**

[Alternative therapy in adhesions of the labia minora] Petti DA, et al. **Rev Paul Med** 1985 Nov–Dec;103(6):301–2 (Eng. Abstr.) **(Por)**

[Prevention of hemorrhages in the placental and early puerperal periods by the technic of synchronous cardiac massage] Radionchenko AA, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):43–6 (Eng. Abstr.) **(Rus)**

[Experience with the use of a complex method of correcting the psychophysiologic state of humans working with constant visual strain] Kolpakov SP, et al. **Fiziol Cheloveka** 1987 Jan–Feb;13(1):42–9 **(Rus)**

INSTRUMENTATION

[Intermittent mechanical massage for the prevention of thromboembolism] Ott GH, et al. **Langenbecks Arch Chir** 1986;369:467–71 (Eng. Abstr.) **(Ger)**

METHODS

The role of massage in south Asia: child health and development. Reissland N, et al. **Soc Sci Med** 1987; 25(3):231–9

[Reference for 2 successful forms of physical therapy: treading massage and centrifugal massage] Karschunke HJ, et al. **Beitr Orthop Traumatol** 1987 May;34(5):267–9 (Eng. Abstr.) **(Ger)**

MASSETER MUSCLE see under **MASTICATORY MUSCLES**

MAST CELL COLONY–STIMULATING FACTOR see **INTERLEUKIN 3**

MAST CELL DISEASE see **MASTOCYTOSIS**

MAST CELL LEUKEMIA see **LEUKEMIA, MAST CELL**

MAST CELL SARCOMA see **SARCOMA, MAST CELL**

MAST CELLS

Mast cell numbers in rheumatoid synovial tissues. Correlations with quantitative measures of lymphocytic infiltration and modulation by antiinflammatory therapy. Malone DG, et al. **Arthritis Rheum** 1987 Feb;30(2):130–7

Significance of eosinophil and mast cell counts in rectal mucosa in ulcerative colitis. A prospective controlled study. Sarin SK, et al. **Dig Dis Sci** 1987 Apr;32(4):363–7

Single–locus control of the mast cell population in mouse skin. Koizumi T, et al. **Immunogenetics** 1987;26(1–2):36–9

Limit dilution analysis of mast cell precursor frequency in the gut epithelium of normal and Trichinella spiralis infected mice. Dillon SB, et al. **Parasite Immunol** 1986 Sep; 8(5):503–11

[Stromal reaction, tissue eosinophilia and mastocytosis in carcinoma of the larynx] Dessy E, et al. **Acta Otorhinolaryngol Ital** 1986 Jul–Aug;6(4):357–66 (Eng. Abstr.) **(Ita)**

ANALYSIS

Collagen concentration and mast cell in perinatal murine uterus. Shimizu K, et al. **Acta Anat (Basel)** 1987; 129(4):262–4

Mast cells and lysozyme positive macrophages in bronchoalveolar lavage from patients with sarcoidosis. Valuable prognostic and activity marking parameters of disease? Bjermer L, et al. **Acta Med Scand** 1986; 220(2):161–6

Cell membrane glycoproteins of human mast cells: a biochemical comparison with basophils. Rimmer EF, et al. **Exp Hematol** 1986 Oct;14(9):809–11

Anti–idiotypic antibodies as staphylococcal enterotoxin receptor probes on monkey mast cells. Bamberger U, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):272–4

Mucosal mast cells in the rat and in man. Enerbäck L. **Int Arch Allergy Appl Immunol** 1987;82(3–4):249–55 (26 ref.)

Elemental content of mast cell granules measured by X–ray microanalysis of rat thymic tissue sections. Kendall MD, et al. **J Cell Sci** 1986 Jul;83:77–87

Quantitation of histamine, tryptase, and chymase in dispersed human T and TC mast cells. Schwartz LB, et al. **J Immunol** 1987 Apr 15;138(8):2611–5

Localisation of heparin in mast cells. Scully MF, et al. **Lancet** 1986 Sep 27;2(8509):718–9

Heparin and mast cells [letter] Scully MF, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1466

[Mast cells, IgE containing cells and tissue histamine contents in normal mucosa of each part of the large intestine] Senjuh M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Feb; 84(2):216–20 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

Phenotypic analysis of mast cell granule proteinases in normal rat bone marrow cultures. McMenamin C, et al. **Immunology** 1987 Jan;60(1):147–9

Investigations of rat mast cell heterogeneity. Befus D, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):256–8

Mutual phenotypic changes between connective tissue type and mucosal mast cells. Kitamura Y, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):244–8

Human lung mast cells: distribution and abundance of histochemically distinct subpopulations. Shanahan F, et al. **Int Arch Allergy Appl Immunol** 1987;83(3):329–31

Deficiency of the tryptase–positive, chymase–negative mast cell type in gastrointestinal mucosa of patients with defective T lymphocyte function. Irani AM, et al. **J Immunol** 1987 Jun 15;138(12):4381–6

[Mast cell heterogeneity in normal man] Colin C, et al. **C R Soc Biol (Paris)** 1986;180(4):492–5 (Eng. Abstr.) **(Fre)**

CYTOLOGY

An overlooked site of tissue mast cells—the human tympanic membrane. Implications for middle ear affections. Widemar L, et al. **Acta Otolaryngol (Stockh)** 1986 Nov–Dec; 102(5–6):391–5

Patch pipettes used for loading small cells with fluorescent indicator dyes. Neher E, et al. **Adv Exp Med Biol** 1986; 211:1–5

Immunohistochemical evidence for mast cells containing 5–hydroxytryptamine in rat portal vein. Barja F, et al. **Agents Actions** 1986 Aug;18(5–6):508–11

Morphologic and morphometric analysis of the mast cells from human heart biopsies. Rydzyński K, et al. **Agents Actions** 1987 Apr;20(3–4):288–90

Mast cells in sun–exposed and non–sun–exposed skin. An autopsy study. Rosen LB, et al. **Am J Dermatopathol** 1987 Jun;9(3):208–11

Heterogeneity of mast cells in the tissues of the respiratory tract and other organ systems. Barrett KE, et al. **Am Rev Respir Dis** 1987 May;135(5):1190–5 (80 ref.)

Gut mucosal mast cells: origin, traffic and differentiation in mice and rats. Guy–Grand D, et al. **Ann Inst Pasteur Immunol** 1986 Sep–Oct;137D(2):215–22 (26 ref.)

Organization of haematopoietic stem cells and their relationship to mastocytopoiesis. Le Bousse–Kerdiles MC, et al. **Ann Inst Pasteur Immunol** 1986 Sep–Oct; 137D(2):187–99 (57 ref.)

Tracheal globule leukocytes and subepithelial mast cells: a comparative study in the rat. Le Roy Ladurie F, et al. **Ann Inst Pasteur Immunol** 1986 Sep–Oct;137D(2):273–80

Increased number of mast cells in the testis of neonatally estrogenized rats. Gaytan F, et al. **Arch Androl** 1986; 16(3):175–82

Mast cells in the ovarian bursa of the golden hamster. Shinohara H, et al. **Biol Reprod** 1987 Mar;36(2):445–50

Morphologic mast cell cycles. Dvorak AM, et al. **Cell Immunol** 1987 Mar;105(1):199–204

Effects of degranulation of mast cells on proliferation of mesenchymal cells in the mesentery of mice. Hatanaka K, et al. **Cell Tissue Res** 1986;246(1):53–6

Vanadate can replace interleukin 3 for transient growth of factor–dependent cells. Tojo A, et al. **Exp Cell Res** 1987 Jul;171(1):16–23

Ontogeny of in vitro–differentiated mouse mast cells. Stevens RL, et al. **Fed Proc** 1987 Apr;46(5):1915–9 (40 ref.)

Mast cells and basophils in murine lymph nodes stimulated by B–cell mitogen. Włodarski KH, et al. **Folia Biol (Praha)** 1987;33(2):137–40

In vivo increase of cutaneous mast cells in response to specific mediators and ascaris antigen. Czarnetzki BM, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):259–60

Differentiation and transdifferentiation of mast cells; a unique member of the hematopoietic cell family. Kitamura Y, et al. **Int J Cell Cloning** 1987 Mar;5(2):108–21 (84 ref.)

Quantification of cutaneous mast cells using morphometric point counting and a conjugated avidin stain. Kasper CS, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):326–31

Murine basophil–mast differentiation: toward optimal conditions for selective growth and maturation of basophil–mast or allied cells. Lanotte M, et al. **J Cell Physiol** 1986 Nov;129(2):199–206

Interleukin 4 as an essential factor for in vitro clonal growth of murine connective tissue–type mast cells. Hamaguchi Y, et al. **J Exp Med** 1987 Jan 1;165(1):268–73

Phenotypic changes of bone marrow–derived mast cells after intraperitoneal transfer into W/Wv mice that are genetically deficient in mast cells. Otsu K, et al. **J Exp Med** 1987 Mar 1;165(3):615–27

Selection of a simple protease procedure for identifying mast cells in routinely processed human tissues. Garrett JR, et al. **J Histochem Cytochem** 1987 May;35(5):541–7

Mast cells from the human intestinal lamina propria. Isolation, histochemical subtypes, and functional characterization. Befus AD, et al. **J Immunol** 1987 Apr 15;138(8):2604–10

Changing processes from bone marrow–derived cultured mast cells to connective tissue–type mast cells in the peritoneal cavity of mast cell–deficient w/wv mice: association of proliferation arrest and differentiation. Nakano T, et al. **J Immunol** 1987 Jan 15;138(2):544–9

Novel technique for isolation of human lung mast cells. Salari H, et al. **J Immunol Methods** 1987 Jun 26;100(1–2):91–7

Kinetics of mast cell, fibroblast, and epidermal cell proliferation during acute graft–versus–host disease in the neonatal rat. Stuart SP, et al. **J Invest Dermatol** 1987 Apr; 88(4):369–74

Inference for an age–dependent, multitype branching–process model of mast cells. Nedelman J, et al. **J Math Biol** 1987; 25(2):203–26

Effects of altered thyroid function on histamine levels and mast cell number in neonatal rat brain. Sabria J, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):612–6

Extensive proliferation of mature connective–tissue type mast cells in vitro. Nakahata T, et al. **Nature** 1986 Nov 6–12; 324(6092):65–7

Intestinal mucosal mast cells in normal and

nematode-infected rat intestines are in intimate contact with peptidergic nerves. Stead RH, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2975-9

Elevated blood glucose after compound 48/80 treatment is not related to hepatic mast cell degranulation in rats. Dimlich RV, et al. **Proc Soc Exp Biol Med** 1986 Dec; 183(3):321-7

In vitro induction and characterization of mast cells from murine Peyer's patches. Kawanishi H, et al. **Scand J Immunol** 1987 Feb;25(2):109-20

Mucosal mast cells: origin, kinetics and function. Buys J, et al. **Wiad Parazytol** 1986;32(3):209-18

Mast cells in the central nervous system of Triturus cristatus carnifex. Ciani F, et al. **Z Mikrosk Anat Forsch** 1986; 100(6):838-46

[Morphological observation on the effect of acupuncture on mast cells at the zusanli point] Yang YM, et al. **Chen Tzu Yen Chiu** 1986;11(4):298-302 (Eng. Abstr.) **(Chi)**

[Origin of mast cells and cell differentiation] Kitamura Y. **Arerugi** 1987 Mar;36(3):117-20 (26 ref.) **(Jpn)**

[Combined staining of histological slices with basic brown and fast green] Golofeevskiĭ VIu, et al. **Arkh Anat Gistol Embriol** 1987 Apr;92(4):101-2 **(Rus)**

DRUG EFFECTS

Mast cell degranulation after a single dose of gliadin in the jejunum of patients with coeliac disease. Horváth K, et al. **Acta Paediatr Hung** 1986;27(4):311-6

Effects of dimethylsulfoxide (DMSO), nocodazole, and taxol on mast cell histamine secretion. Nielsen EH, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Sep;59(3):214-9

Rat mast cells superfused with isotonic solutions release histamine, probably via intracellular cation exchange K+ in equilibrium Hi+ ions. Uvnäs B, et al. **Acta Physiol Scand** 1986 Dec;128(4):657-8

Inhibition of mast cell mediator release by 5-amino-4-imidazolecarboxamide riboside. Marquardt DL, et al. **Adv Exp Med Biol** 1986;195 Pt B:15-8

Comparison of the response of mast cells in guinea-pig cardiac atria and ventricles. Assem ES, et al. **Agents Actions** 1987 Feb;20(1-2):1-9

Phorbol esters induce a slow, non-cytotoxic release of histamine from rat peritoneal mast cells. Cantwell ME, et al. **Agents Actions** 1987 Apr;20(3-4):165-8

Calcium uptake in mast cells, energy metabolism and histamine secretion. Chakravarty N. **Agents Actions** 1987 Apr;20(3-4):153-6

On the interaction of local anesthetics with mast cells. Drábiková K, et al. **Agents Actions** 1987 Apr;20(3-4):191-3

Isolation of mast cells from rabbit lung and liver: comparison of histamine release induced by the hypnotics Althesin and propanidid. Ennis M, et al. **Agents Actions** 1987 Apr; 20(3-4):219-22

Complexity of the influence of gangliosides on histamine release from human basophils and rat mast cells. Jensen C, et al. **Agents Actions** 1987 Jun;21(1-2):79-82

Potassium-induced histamine release from mast cells and its inhibition by ketotifen. Németh A, et al. **Agents Actions** 1987 Apr;20(3-4):149-52

Action of the SP2-11 and SP3-11 fragments of substance P on rat peritoneal mast cells. Piotrowski W, et al. **Agents Actions** 1987 Apr;20(3-4):178-80

On the mechanism of dextran-induced histamine secretion from rat peritoneal mast cells. Thompson HL, et al. **Agents Actions** 1987 Apr;20(3-4):169-71

Study of the inhibition of histamine release by inosine pranobex. Ziesche R, et al. **Agents Actions** 1987 Apr; 20(3-4):172-3

Effect of glucocorticosteroids on the expression of Fc epsilon R1 and on mediator release from mast cells. Benhamou M, et al. **Ann Inst Pasteur Immunol** 1986 Sep-Oct; 137D(2):263-72 (60 ref.)

Dual effect of phorbol ester on serosal mast cell exocytosis: interactions between ionic gradients and protein kinase C. Bronner C, et al. **Ann Inst Pasteur Immunol** 1986 Sep-Oct; 137D(2):249-61

Biological effect of transferrin on mast cell mediator release during the passive cutaneous anaphylaxis reaction: a possible inhibition mechanism involving iron. Mécheri S, et al. **Ann Inst Pasteur Immunol** 1987 Mar-Apr; 138(2):213-21

Mast-cell stabilization to decrease neurofibroma growth. Preliminary experience with ketotifen. Riccardi VM. **Arch Dermatol** 1987 Aug;123(8):1011-6

Effect of the tridecamer of compound 48/80, a Ca2+-dependent histamine releaser, on phospholipid metabolism during the early stage of histamine release from rat mast cells. Dainaka J, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3739-44

The influence of the sesquiterpene lactones from Geigeria on mast cell degranulation. Gaspar AR, et al. **Biochem Pharmacol** 1987 Aug 1;36(15):2461-5

Synergism between thapsigargin and the phorbol ester 12-O-tetradecanoylphorbol 13-acetate on the release of [14C]arachidonic acid and histamine from rat peritoneal mast cells. Jacobsen S, et al. **Biochem Pharmacol** 1987 Mar 1;36(5):621-6

Effect of lysophosphatidylserine on immunological histamine release. Kolster L, et al. **Biochim Biophys Acta** 1987 Feb 18;927(2):196-202

Inhibition of IgE-dependent histamine release from human dispersed lung mast cells by anti-allergic drugs and salbutamol. Church MK, et al. **Br J Pharmacol** 1987 Feb; 90(2):421-9

A comparison of nedocromil sodium and sodium cromoglycate on human lung mast cells obtained by bronchoalveolar lavage and by dispersion of lung fragments. Leung KB, et al. **Eur J Respir Dis [Suppl]** 1986; 147:223-6

Intracellular stimulation of mast cells with guanine nucleotides mimic antigenic stimulation. Fernandez JM, et al. **FEBS Lett** 1987 May 25;216(1):89-93

Mast cell activation—a receptor-independent mode of substance P action? Repke H, et al. **FEBS Lett** 1987 Sep 14;221(2):236-40

In vivo inhibition of polymyxin B-induced hypotension: evidence of beta-adrenergic inhibitory activity on rat mast cells. Botana LM, et al. **Gen Pharmacol** 1986;17(5):615-8

Effects of clonidine on the dermal inflammatory cell response of experimental toxic and allergic contact reactions and intradermal hypersensitivity. Anderson CD, et al. **Int Arch Allergy Appl Immunol** 1987;83(4):371-6

The development of a new agent for the treatment of inflammatory/allergic conditions. Cairns H, et al. **Int Arch Allergy Appl Immunol** 1987;82(3-4):513-7

Effects of thiazinamium chloride on histamine release from rat peritoneal mast cells and on phosphodiesterase activity in guinea pig lung. Carlson RP, et al. **Int Arch Allergy Appl Immunol** 1986;81(4):348-50

Substance P and calcitonin gene-related peptide: effects on mast cells and in human skin. Foreman JC. **Int Arch Allergy Appl Immunol** 1987;82(3-4):366-71 (32 ref.)

Staphylococcal enterotoxin B as a nonimmunological mast cell stimulus in primates: the role of endogenous cysteinyl leukotrienes. Scheuber PH, et al. **Int Arch Allergy Appl Immunol** 1987;82(3-4):289-91

Inhibitory effects of oxatomide on intracellular Ca mobilization, Ca uptake and histamine release, using rat peritoneal mast cells. Tasaka K, et al. **Int Arch Allergy Appl Immunol** 1987;83(4):348-53

Ca-dependent and Ca-independent histamine release from mast cells induced by active components of compound 48/80. Ichikawa A, et al. **Int J Tissue React** 1987; 9(4):325-33

Aminophylline exposure alters mouse bone marrow-derived mast cell adenosine responsiveness. Marquardt DL, et al. **J Allergy Clin Immunol** 1986 Sep;78(3 Pt 1):462-9

Interleukin 3-dependent mouse mast cells express the cholera toxin-binding acidic glycosphingolipid, ganglioside GM1, and increase their histamine content in response to toxin. Katz HR, et al. **J Immunol** 1987 Sep 1;139(5):1640-6

Differential effects of protoporphyrin and uroporphyrin on murine mast cells. Lim HW, et al. **J Invest Dermatol** 1987 Mar;88(3):281-6

Studies on 1,2,3-triazoles. 13. (Piperazinylalkoxy) [1]benzopyrano[2,3-d]-1,2,3-triazol-9(1H)-ones with combined H1-antihistamine and mast cell stabilizing properties. Buckle DR, et al. **J Med Chem** 1986 Nov; 29(11):2262-7

1-(2-pyridinyl)piperazine derivatives with antianaphylactic, antibronchospastic, and mast cell stabilizing activities. Catto A, et al. **J Med Chem** 1987 Jan;30(1):13-9

Correlation of ethanol's membrane actions and inhibition of receptor-stimulated histamine release from rat mast cells. Gonzales RA, et al. **J Pharmacol Exp Ther** 1986 Oct; 239(1):111-6

Ribavirin inhibits mast cell mediator release. Marquardt DL, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):145-9

Inhibition of fibrosis in TSK mice by blocking mast cell degranulation. Walker MA, et al. **J Rheumatol** 1987 Apr; 14(2):299-301

Cytoprotective action of mast cell stabilizers against ethanol-induced gastric lesions in rats. Takeuchi K, et al. **Jpn J Pharmacol** 1986 Oct;42(2):297-307

Dual actions of adenosine on rat peritoneal mast cells. Lohse MJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 May;335(5):555-60

The role of interleukin-3 in the proliferation of murine mast cells in vitro. Mori M, et al. **Nippon Ketsueki Gakkai Zasshi** 1987 Feb;50(1):59-64

The potencies of thapsigargin and analogues as activators of rat peritoneal mast cells. Norup E, et al. **Planta Med** 1986 Aug;(4):251-5

Effect of calcium on histamine release from pleural and peritoneal mast cells induced by catechol. Botana LM, et al. **Rev Esp Fisiol** 1986 Dec;42(4):455-8

Benoxaprofen photosensitization of phospholipase activation in mammalian cells in culture. Deleo VA, et al. **Toxicol Lett** 1986 Sep;32(3):215-20

[Stimulation of rat mastocytes and molecular oxygen] Lagneaux D, et al. **Arch Int Physiol Biochim** 1986 Dec; 94(5):S39-42 (Eng. Abstr.) **(Fre)**

[Effects of MY-1250, a main active metabolite of MY-5116, a new anti-allergic drug, on histamine release from rat peritoneal exudate cells and the degranulation of mesenteric mast cells] Takahashi K, et al. **Arerugi** 1986 Oct; 35(10):1028-36 (Eng. Abstr.) **(Jpn)**

[Studies on Ganoderma lucidum. VI. Anti-allergic effect. (1)] Nogami M, et al. **Yakugaku Zasshi** 1986 Jul; 106(7):594-9 (Eng. Abstr.) **(Jpn)**

[Effect of N-phenylnaphthylenediamine on catecholamine distribution in peritoneal mast cells] Doeva AN, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):742-3 (Eng. Abstr.) **(Rus)**

[Effect of tomicide and the cell wall biopolymers of Streptococcus sp. Thom-1606 on mast cell degranulation] Blinkova LP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):26-9 (Eng. Abstr.) **(Rus)**

[In vitro effect of nickel chloride on peritoneal mastocytes and macrophages] García Mesa M, et al. **Bol Estud Med Biol** 1986;34(1-4):13-22 (Eng. Abstr.) **(Spa)**

[Activity of cimetidine on mast cell degranulation and its possible therapeutic mechanism in hypersecretory states and stress ulcers. Experimental study] Serrano Sánchez PA, et al. **Rev Esp Enferm Apar Dig** 1986 Nov;70(5):415-8 (Eng. Abstr.) **(Spa)**

[Response of pleural and peritoneal mastocyte populations in the rat to agents with different mechanisms of action] Botana LM, et al. **Rev Esp Fisiol** 1986 Dec;42(4):449-53 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Biological functions of serine proteases in the granules of rat mast cells. Katunuma N, et al. **Adv Enzyme Regul** 1986; 25:241-55

Interaction of human low molecular weight kininogen with human mast cell tryptase. Schwartz LB, et al. **Adv Exp Med Biol** 1986;198 Pt A:105-11

Hyposmotic swelling leads to the expression of trypsin-like activity by rat peritoneal fluid mast cells. Vassimon CS, et al. **Agents Actions** 1987 Jun;21(1-2):62-5

The major enzymes of human mast cell secretory granules. Schwartz LB, et al. **Am Rev Respir Dis** 1987 May; 135(5):1186-9 (36 ref.)

Redistribution of phospholipid/Ca2+-dependent protein kinase in mast cells activated by various agonists. Nagao S, et al. **Biochem Biophys Res Commun** 1987 Feb 13; 142(3):645-53

Rat peritoneal mast cells release dipeptidyl peptidase II. Struckhoff G, et al. **Biochem J** 1986 May 15;236(1):215-9

Molecular cloning of human cathepsin G: structural similarity to mast cell and cytotoxic T lymphocyte proteinases. Salvesen G, et al. **Biochemistry** 1987 Apr 21;26(8):2289-93

Inhibition of mast cell chymase by eglin c and antileukoprotease (HUSI-I). Indications for potential biological functions of these inhibitors. Fink E, et al. **Biol Chem Hoppe Seyler** 1986 Jul;367(7):567-71

Characterization of calcium-activated, phospholipid-dependent protein kinase from rat serosal mast cells and RBL-1 cells. Kurosawa M, et al. **Cell Immunol** 1986 Dec;103(2):381-93

Acid phosphatase activity during maturation of rat mesentery mast cells. Jamur MC, et al. **Cell Mol Biol** 1987;33(1):69-72

Activation of latent human granulocyte gelatinase by rat mast cell protease. Sopata I, et al. **Folia Histochem Cytobiol** 1986; 24(2):133-7

The catalytic properties of a proteinase isolated from sheep abomasal mucosal mast cells. Knox DP, et al. **Int J Biochem** 1986;18(10):961-4

Cloning of the mast cell protease, RMCP II. Evidence for cell-specific expression and a multi-gene family. Benfey PN, et al. **J Biol Chem** 1987 Apr 15;262(11):5377-84

Human skin chymotrypsin-like proteinase chymase. Subcellular localization to mast cell granules and interaction with heparin and other glycosaminoglycans. Sayama S, et al. **J Biol Chem** 1987 May 15;262(14):6808-15

Endogenous peroxidase activity in human cutaneous and adenoidal mast cells. Escribano LM, et al. **J Histochem Cytochem** 1987 Feb;35(2):213-20

Heparin and mast cells [letter] Garrett JR, et al. **Lancet** 1986 Nov 1;2(8514):1046

Substrate specificity of the chymotrypsin-like protease in secretory granules isolated from rat mast cells [published erratum appears in Proc Natl Acad Sci USA 1987 Apr;84(8):2266] Le Trong H, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):364-7

Loss of the activity of human coagulation factor XII by a chymotrypsin-like protease activated in rat mast cells during degranulation with compound 48/80. Majima M, et al. **Thromb Res** 1987 Jun 15;46(6):855-67

Proteolysis of bovine and human prothrombin and of bovine factor X by rat mast cell proteinase. Wylie AR, et al. **Thromb Res** 1986 Nov 1;44(3):327-37

IMMUNOLOGY

Some further properties of human pulmonary mast cells recovered by bronchoalveolar lavage and enzymic dispersion of lung tissue. Leung KB, et al. **Agents Actions** 1987 Apr;20(3-4):213-5

Monoclonal antibodies against rat mast cells differentiate between subtypes. Repke H, et al. **Agents Actions** 1987 Apr; 20(3-4):216-8

Mast cell secretion: differences between immunologic and non-immunologic stimulation. Rosengard BR, et al. **Agents Actions** 1986 Nov;19(3-4):133-40

Monoclonal anti-human IgE: histamine release capacity and effect on in vitro sensitization of human basophils. Weyer A, et al. **Agents Actions** 1987 Apr;20(3-4):206-9

Use of macrophage inhibition factor and mast-cell degranulation tests for diagnosis of cloxacillin-induced cholestasis. Aderka D, et al. **Am J Gastroenterol** 1986 Nov; 81(11):1084-6

Provoked asthma and mast cells. Kay AB. **Am Rev Respir Dis** 1987 May;135(5):1200–3 (53 ref.)
Mediators of human mast cells and human mast cell subsets. Schwartz LB. **Ann Allergy** 1987 Apr;58(4):226–35 (113 ref.)
Mast cells and tumour growth. Burtin C. **Ann Inst Pasteur Immunol** 1986 Sep–Oct;137D(2):289–94 (26 ref.)
Fc receptor diversity: the mast cell case. Daëron M, et al. **Ann Inst Pasteur Immunol** 1986 Sep–Oct;137D(2):233–48 (95 ref.)
No direct involvement of plasma membrane divalent cation–activated adenosine triphosphatase in histamine release from rat mast cells. Yamashita T, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):951–6
Monoclonal antibodies against rat mast cells. Rossow N, et al. **Biomed Biochim Acta** 1986;45(10):1343–7
Stimulus–secretion coupling mechanisms in mast cells. Pecht I, et al. **Biophys Chem** 1987 May 9;26(2–3):291–301
The role of the mast cell in allergic bronchospasm. Befus D. **Can J Physiol Pharmacol** 1987 Mar;65(3):435–41 (53 ref.)
Non–IgE–dependent bacteria–induced histamine release from human lung and tonsillar mast cells. Church MK, et al. **Clin Allergy** 1987 Jul;17(4):341–53
Effects of experimental gastroduodenal reflux on density of mast cells and plasmocytes in the fundic mucosa of the rat. André F, et al. **Digestion** 1987;37(1):10–4
Inhibition of binding of rat IgE to rat mast cells by synthetic IgE peptides. Burt DS, et al. **Eur J Immunol** 1987 Mar; 17(3):437–40
Induction of an auto–anti–IgE response in rats. II. Effects on mast cell populations. Marshall JS, et al. **Eur J Immunol** 1987 Apr;17(4):445–51
Degranulation of in vitro differentiated mast cells stimulated by two monoclonal IgE specificities. Rofolovitch M, et al. **Eur J Immunol** 1987 Mar;17(3):385–92
Specificity of a mouse monoclonal antibody raised against acute myeloid leukaemia cells for mast cells in human mucosal and connective tissues. Mayrhofer G, et al. **Immunol Cell Biol** 1987 Jun;65 (Pt 3):241–50
Role of Escherichia coli alpha–hemolysin and bacterial adherence in infection: requirement for release of inflammatory mediators from granulocytes and mast cells. König B, et al. **Infect Immun** 1986 Dec;54(3):886–92
Mucosal mast cells as a component of the inflammatory response to lower–urinary tract infection. Cornish J, et al. **Int Arch Allergy Appl Immunol** 1986;81(4):337–42
Contribution of basophil/mast cell and eosinophil growth and differentiation to the allergic tissue inflammatory response. Denburg JA, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):321–6 (59 ref.)
Activity of nedocromil sodium in mast–cell–dependent reactions in the rat. Riley PA, et al. **Int Arch Allergy Appl Immunol** 1987;82(1):108–10
Clearance of passively transferred IgE antibody from peripheral blood of mast cell–deficient W/Wv mice. Watanabe N, et al. **Int Arch Allergy Appl Immunol** 1986; 81(4):385–7
Cutaneous mast cell heterogeneity: response to antigen in atopic dogs. Becker AB, et al. **J Allergy Clin Immunol** 1986 Nov;78(5 Pt 1):937–42
Studies of the cellular infiltrate of chronic idiopathic urticaria: prominence of T–lymphocytes, monocytes, and mast cells. Elias J, et al. **J Allergy Clin Immunol** 1986 Nov; 78(5 Pt 1):914–8
Cells containing IgE in the intestinal mucosa of mice infected with the nematode parasite Trichinella spiralis are predominantly of a mast cell lineage. Alizadeh H, et al. **J Immunol** 1986 Oct 15;137(8):2555–60
Monoclonal antibodies specific to the alpha–subunit of the mast cell's Fc epsilon R block IgE binding and trigger histamine release. Baniyash M, et al. **J Immunol** 1987 May 1;138(9):2999–3004
Mast cell–mediated toxicity to schistosomula of Schistosoma mansoni: potentiation by exogenous peroxidase. Henderson WR, et al. **J Immunol** 1986 Oct 15;137(8):2695–9
Biochemical characterization of a mast cell plasma membrane antigen shared by mouse serosal, culture–derived, and virally transformed mast cells. Katz HR, et al. **J Immunol** 1987 Feb 15;138(4):1196–200
Hybrid resistance to parental mast cell precursors in the skin of (WB X C57BL/6)F1–W/Wv mice. Sonoda S, et al. **J Immunol** 1986 Oct 1;137(7):2152–5
Immunogold probe for the light–microscopic phenotyping of human mast cells and basophils. Reshef A, et al. **J Immunol Methods** 1987 May 20;99(2):213–9
Mast cell participation during the elicitation of murine allergic contact hypersensitivity. Kerdel FA, et al. **J Invest Dermatol** 1987 Jun;88(6):686–90
Cross–linking of IgE–receptor complexes at the cell surface: a fluorescence method for studying the binding of monovalent and bivalent haptens to IgE. Erickson J, et al. **Mol Immunol** 1986 Jul;23(7):769–81
Studies of the IgE binding sites to rat mast cell receptor with proteolytic fragments and with a monoclonal antibody directed against epsilon heavy chain: evidence that the combining sites are located in the C epsilon 3 domain. Rousseaux–Prevost R, et al. **Mol Immunol** 1987 Feb; 24(2):187–96
Anti–epsilon–chain antibodies as probes in the study of mast–cell triggering. Stanworth DR, et al. **Mol Immunol** 1986 Nov;23(11):1231–5
Tryptase levels as an indicator of mast–cell activation in systemic anaphylaxis and mastocytosis. Schwartz LB, et al. **N Engl J Med** 1987 Jun 25;316(26):1622–6
Structural analysis of the mouse chromosomal gene encoding interleukin 4 which expresses B cell, T cell and mast cell stimulating activities. Otsuka T, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):333–44
Reconstitution of mucosal mast cells in W/WV mice by adoptive transfer of bone marrow–derived cultured mast cells and its effects on the protective capacity to Strongyloides ratti–infection. Abe T, et al. **Parasite Immunol** 1987 Jan;9(1):31–8
Localization of mucosal mast cells in W/Wv mice after reconstitution with bone marrow cells or cultured mast cells, and its relation to the protective capacity to Strongyloides ratti infection. Abe T, et al. **Parasite Immunol** 1987 Jul;9(4):477–85
Immunity to Schistosoma mansoni in congenitally athymic, irradiated and mast cell–depleted rats. Ford MJ, et al. **Parasitology** 1987 Apr;94 (Pt 2):313–26
Kinetics of mast cell, basophil and eosinophil populations at Hyalomma anatolicum anatolicum feeding sites on cattle and the acquisition of resistance. Gill HS. **Parasitology** 1986 Oct;93 (Pt 2):305–15
[Heterogeneity and specificity of mastocyte populations] Lecomte J, et al. **Bull Mem Acad R Med Belg** 1986; 141(7):399–406 (Eng. Abstr.) **(Fre)**
[Significance of mast cells and their mediators for the induction of allergic diseases. II] König W, et al. **Med Klin** 1986 Sep 12;81(18–19):612–7 **(Ger)**
[Significance of mast cells and their mediators for induction of allergic diseases. III] König W, et al. **Med Klin** 1986 Oct 3;81(20):650–5 **(Ger)**
[Significance of mast cells and their mediators for the induction of allergic diseases. I] König W, et al. **Med Klin** 1986 Aug 22;81(17):575–80 **(Ger)**
[Mast cells and asthma] Nolte D. **Med Klin** 1986 Aug 22; 81(17):581–2 **(Ger)**
[New pathogenetic and therapeutic aspects of mast cell–dependent inflammatory reactions] Czarnetzki BM. **Z Hautkr** 1987 Mar 15;62(6):463–9 (Eng. Abstr.) **(Ger)**
[Is the existence of negative interactions between mastocyte populations possible?] Botana LM. **Arch Farmacol Toxicol** 1986 Aug–Dec;12(2–3):153–6 (Eng. Abstr.) **(Spa)**

METABOLISM

Anticoagulant substance released from human lung mast cells by stimulation with anti–IgE or Ca–ionophore A23187. Hayashi H, et al. **Acta Med Okayama** 1987 Apr;41(2):85–7
Isolation and sensitivity of human mesenteric mast cells to immunological and nonimmunological histamine releasers. Brzezińska–Błaszczyk E, et al. **Agents Actions** 1987 Apr; 20(3–4):226–8
Role of a Ca2+–Mg2+ ATPase on the mast cell surface in calcium transport and histamine secretion. Chakravarty N. **Agents Actions** 1987 Apr;20(3–4):185–7
Histamine and lactate dehydrogenase (LDH) release in ischemic myocardium of the guinea–pig. Masini E, et al. **Agents Actions** 1987 Apr;20(3–4):281–3
Histamine release from serosal mast cells by intermediate products of arachidonic acid metabolism. Masini E, et al. **Agents Actions** 1987 Apr;20(3–4):202–5
Do superfused mast cells release histamine by endogenous cation exchange with potassium ions? Uvnäs B, et al. **Agents Actions** 1987 Apr;20(3–4):146–8
A comparison of the osmotic activation of basophils and human lung mast cells. Eggleston PA, et al. **Am Rev Respir Dis** 1987 May;135(5):1043–8
Contribution of inflammatory mediators to the immediate asthmatic reaction. Holgate ST. **Am Rev Respir Dis** 1987 Jun;135(6 Pt 2):S57–62
The role of mast cell–derived mediators in airway function. Lazarus SC. **Am Rev Respir Dis** 1987 Jun;135(6 Pt 2):S35–8 (40 ref.)
The regulation of inflammatory mediator production by mast cell products. Wasserman SI. **Am Rev Respir Dis** 1987 Jun; 135(6 Pt 2):S46–8
Adriamycin–induced histamine release from rat peritoneal mast cells: role of free radicals. Decorti G, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):497–9
Measurement of the internal pH of mast cell granules using microvolumetric fluorescence and isotopic techniques. De Young MB, et al. **Arch Biochem Biophys** 1987 Apr; 254(1):222–33
Translocation of protein kinase C is not required to inhibit the antigen–induced increase of cytosolic calcium in a mast cell line. Erne P, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):252–9
Guanosine 5'-(gamma–thio)triphosphate stimulates arachidonic acid liberation in permeabilized rat peritoneal mast cells. Okano Y, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1267–75
Low–density–lipoprotein binding by mast–cell granules. Demonstration of binding of apolipoprotein B to heparin proteoglycan of exocytosed granules. Kokkonen JO, et al. **Biochem J** 1987 Jan 15;241(2):583–9
Experiments on the mode of action of piriprost (U–60,257), an inhibitor of leukotriene formation in cloned mouse mast cells and in rat basophil leukemia cells. Bach MK, et al. **Biochem Pharmacol** 1987 May 1;36(9):1461–6
Inhibition of IgE–mediated release of histamine and peptide leukotriene from human basophils and mast cells by forskolin. Marone G, et al. **Biochem Pharmacol** 1987 Jan 1;36(1):13–20
Inhibition of mast cell mediator release by 5–amino–4–imidazolecarboxamide riboside. Marquardt DL, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4415–21
Amine uptake into intact mast cell granules in vitro. Ludowyke RI, et al. **Biochemistry** 1986 Oct 7; 25(20):6287–93
Lysophosphatidylserine–dependent interaction between rat leukocytes and mast cells. Mietto L, et al. **Biochim Biophys Acta** 1987 Sep 14;930(2):145–53
Arachidonic acid release in BW755C–pretreated rat peritoneal mast cells stimulated with A23187, concanavalin A and compound 48/80. Yamada K, et al. **Biochim Biophys Acta** 1987 Feb 14;917(2):290–5
Production of granulocyte–macrophage colony–stimulating factor by Abelson virus–induced tumorigenic mast cell lines. Chung SW, et al. **Blood** 1986 Nov;68(5):1074–81
The lectin leucoagglutinin binds specifically to human granulocytes, monocytes and tissue mast cells: further evidence for a common origin of the three cell types. Schumacher U, et al. **Br J Haematol** 1987 Jul;66(3):405–6
B cell stimulatory factor–1/interleukin–4 mRNA is expressed by normal and transformed mast cells. Brown MA, et al. **Cell** 1987 Aug 28;50(5):809–18
In situ detection of histamine released from mast cells by using a histamine–sensitive membrane electrode. Katsu T, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep;34(9):3968–70
Thrombin and IgE antigen induce formation of inositol phosphates by mouse E–mast cells. Baranes D, et al. **FEBS Lett** 1986 Sep 29;206(1):64–8
Adrenergic agonists do not compete with the antagonist (–)3–[125I]iodocyanopindolol for binding to rat pleural or peritoneal mast cell adrenergic receptor. Botana LM. **Gen Pharmacol** 1987;18(3):263–7
Protein and diacylglycerol phosphorylation in the stimulus–secretion coupling of rat mast cells. Sagi–Eisenberg R, et al. **Immunology** 1987 Jun;61(2):203–6
Induction of inflammatory mediators from human polymorphonuclear granulocytes and rat mast cells by haemolysin–positive and –negative E. coli strains with different adhesins. Scheffer J, et al. **Immunology** 1986 Dec; 59(4):541–8
Mechanism of action of an antiallergic agent, amlexanox (AA–673), in inhibiting histamine release from mast cells. Acceleration of cAMP generation and inhibition of phosphodiesterase. Makino H, et al. **Int Arch Allergy Appl Immunol** 1987;82(1):66–71
Comparative effects of various calcium entry blockers and anti–asthmatic compounds on antigen–induced bronchoconstriction in rat and histamine release from rat mast cells. Hertz F, et al. **Int J Immunopharmacol** 1986; 8(7):747–54
Chronic urticaria, activated T cells, and mast cell releasability. Rosenstreich DL. **J Allergy Clin Immunol** 1986 Dec;78(6):1099–102
Effect of serine phospholipid structure on the enhancement of concanavalin A–induced degranulation in rat mast cells. Horigome K, et al. **J Biochem (Tokyo)** 1986 Sep; 100(3):571–9
Metabolism of lysophosphatidylserine, a potentiator of histamine release in rat mast cells. Tamori–Natori Y, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):581–90
Secretory granules of heparin–containing rat serosal mast cells also possess highly sulfated chondroitin sulfate proteoglycans. Katz HR, et al. **J Biol Chem** 1986 Oct 15; 261(29):13393–6
Low density lipoprotein degradation by secretory granules of rat mast cells. Sequential degradation of apolipoprotein B by granule chymase and carboxypeptidase A. Kokkonen JO, et al. **J Biol Chem** 1986 Dec 5;261(34):16067–72
The relative contributions of extracellular and intracellular calcium to secretion from tumor mast cells. Multiple effects of the proton ionophore carbonyl cyanide m–chlorophenylhydrazone. Mohr FC, et al. **J Biol Chem** 1987 Aug 5;262(22):10638–43
Complexes of heparin proteoglycans, chondroitin sulfate E proteoglycans, and [3H]diisopropyl fluorophosphate–binding proteins are exocytosed from activated mouse bone marrow–derived mast cells. Serafin WE, et al. **J Biol Chem** 1986 Nov 15;261(32):15017–21
Human skin mast cells: their dispersion, purification, and secretory characterization. Benyon RC, et al. **J Immunol** 1987 Feb 1;138(3):861–7
Substance P–induced histamine release in human cutaneous mast cells. Ebertz JM, et al. **J Invest Dermatol** 1987 Jun; 88(6):682–5
The activity of compounds extracted from feverfew on histamine release from rat mast cells. Hayes NA, et al. **J Pharm Pharmacol** 1987 Jun;39(6):466–70
Change in the activity of the cyclic AMP–dependent protein kinase in antigen–stimulated sensitized mast cells and effect of drugs inhibiting allergic mediator release. Kurosawa M, et al. **Jpn J Pharmacol** 1987 Apr;43(4):454–7
Modulation of the 5–lipoxygenase activity of MC–9 mast cells: activation by hydroperoxides. Bryant RW, et al. **Prostaglandins** 1986 Oct;32(4):615–27
Mast cell–derived mediators and their role in cell–to–cell interactions in the lung. Lazarus SC. **Respiration** 1986;50 Suppl 2:17–21
The pharmacologic control of mediator release from human

basophils and mast cells. Peters SP, et al. **Respiration** 1986; 50 Suppl 2:116–22

[Studies on histamine release from mast cells and platelets in vitro] Chen XY, et al.
Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao 1986 Dec; 8(6):482–5 (Eng. Abstr.) **(Chi)**

[Considerations on the role of histamine and mast cells in gastric secretion and the pathogenesis of peptic ulcers] Szmigiel Z, et al. **Przegl Lek** 1986;43(5):419–22 **(Pol)**

[Method of evaluating the concentration of biogenic amines in tissue basophils in histologic preparations] Datsenko AV, et al. **Arkh Anat Gistol Embriol** 1986 Aug;91(8):80–2 **(Rus)**

[Possible causes of the heterogeneity of the histochemical properties of tissue basophils] Lopunova ZhK, et al.
Arkh Anat Gistol Embriol 1986 Dec;91(12):78–81 (Eng. Abstr.) **(Rus)**

[Use of the labeled-serotonin release test using rat mast cells for the purpose of diagnosing allergies] Blokha VV, et al. **Lab Delo** 1986;(10):625–7 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Antibody-mediated enhancement of infection by dengue virus of the P815 murine mastocytoma cell line. Legrand LF, et al. **Bikes J** 1986 Jun;29(2):51–5

PATHOLOGY

Changes in the connective tissue and decrease in the number of mast cells in the testes of men with alcoholic and non-alcoholic cirrhosis. Nistal M, et al.
Acta Morphol Hung 1986;34(1–2):107–15

An increased number of mast cells in the sclerae of alloxan-diabetic mice. Jansson L, et al.
Acta Ophthalmol (Copenh) 1987 Apr;65(2):203–5

Histological techniques for the study of granular cells during wound healing. Montagna W, et al.
Am J Dermatopathol 1987 Feb;9(1):26–9

Mast cells in human keloid, small intestine, and lung by an immunoperoxidase technique using a murine monoclonal antibody against tryptase. Craig SS, et al. **Am J Pathol** 1986 Sep;124(3):427–35

Mast cells, atypical lymphocytes, and neutrophils in bronchoalveolar lavage in extrinsic allergic alveolitis. Comparison with other interstitial lung diseases. Haslam PL, et al. **Am Rev Respir Dis** 1987 Jan;135(1):35–47

Topographical distribution and morphology of mast cells in oral lichen planus. Tsounias B, et al. **Ann Dent** 1986 Winter; 45(2):37–9, 49

Gut mucosal mast cells and goblet cells during acute graft-versus-host disease in rats. Levy DA, et al.
Ann Inst Pasteur Immunol 1986 Sep–Oct;137D(2):281–8

Mast cells in newly formed lining tissue during acute inflammation: a six day air pouch model in the mouse. Sin YM, et al. **Ann Rheum Dis** 1986 Oct;45(10):873–7

Mast cells and fibrosis. Atkins FM, et al. **Arch Dermatol** 1987 Feb;123(2):191–3

Diagnosis of mastocytosis subsets using a morphometric point counting technique. Kasper CS, et al. **Arch Dermatol** 1987 Aug;123(8):1017–21

Mast cell numbers in diffuse scleroderma. Nishioka K, et al. **Arch Dermatol** 1987 Feb;123(2):205–8

Reproducible generation of autonomous malignant sublines from non-tumorogenic murine interleukin 3-dependent mast cell lines. Hültner L, et al. **Blut** 1986 Dec;53(6):451–5

Mast cells and matrix degradation at sites of tumour invasion in rat mammary adenocarcinoma. Dabbous MK, et al.
Br J Cancer 1986 Sep;54(3):459–65

Skin mast cells in polycythaemia vera: relationship to the pathogenesis and treatment of pruritus. Jackson N, et al.
Br J Dermatol 1987 Jan;116(1):21–9

Effect of the pollen season on nasal mast cells. Viegas M, et al. **Br Med J** 1987 Feb 14;294(6569):414

Effect of the pollen season on the nasal mast cells [letter] Drake-Lee AB, et al. **Br Med J [Clin Res]** 1987 Apr 11; 294(6577):971

Effect of a Trichinella spiralis infection on the distribution of mast cell precursors in tissues of thymus-bearing and non-thymus-bearing (nude) mice determined by an in vitro assay. Parmentier HK, et al. **Immunology** 1987 Apr; 60(4):565–71

Histamine and mast cell study in the gastric tissue of south Indian patients suffering from duodenal ulcer with pyloric stenosis. Rai UC, et al. **Indian J Physiol Pharmacol** 1986 Oct–Dec;30(4):295–9

The mast cell and signs of pulmonary fibroblast activation in sarcoidosis. Bjermer L, et al.
Int Arch Allergy Appl Immunol 1987;82(3–4):298–301

Inflammatory mediators, tachykinins and enkephalinase in airways. Lazarus SC, et al.
Int Arch Allergy Appl Immunol 1987;82(3–4):372–6 (54 ref.)

Some studies on human pulmonary mast cells obtained by bronchoalveolar lavage and by enzymic dissociation of whole lung tissue. Pearce FL, et al.
Int Arch Allergy Appl Immunol 1987;82(3–4):507–12

Changes in nasal mast cell numbers in and out of the pollen season. Viegas M, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):275–6

Mast cells and idiopathic male infertility. Agarwal S, et al.
Int J Fertil 1987 Jul–Aug;32(4):283–6

Direct in vivo evidence for mast cell degranulation during allergen-induced reactions in man. Gomez E, et al.
J Allergy Clin Immunol 1986 Oct;78(4 Pt 1):637–45

Frequency distribution of tissue mast cells and eosinophilic granulocytes in tumor-draining axillary and paracolic lymph nodes. Horny HP, et al.
J Cancer Res Clin Oncol 1986;112(2):151–5

Mast cells in non-Hodgkin's lymphomas: a quantitative study [letter] Crocker J, et al. **J Clin Pathol** 1987 Apr;40(4):470

Mast cells in the human carotid body. Heath D, et al.
J Clin Pathol 1987 Jan;40(1):9–12

Macrophages and mast cells in chronic cholecystitis and "normal" gall bladdersHudson I, et al. **J Clin Pathol** 1986 Oct;39(10):1082–7

Increased mast cells of the bladder in suspected cases of interstitial cystitis: a possible disease marker. Feltis JT, et al. **J Urol** 1987 Jul;138(1):42–3

Mast cells in nerve end neuromas of mice. Nennesmo I, et al. **Neurosci Lett** 1986 Sep 12;69(3):296–301

[Mastocytes in the process of cancerogenesis. II. Precancerous conditions and carcinomas of the uterine cervix] Pastrňák A, et al. **Cesk Patol** 1986 Nov;22(4):214–6 (Eng. Abstr.) **(Cze)**

[Mastocytes in the process of cancerogenesis. I.Study of experimental model systems] Pastrňák A, et al.
Cesk Patol 1986 Nov;22(4):210–3 (Eng. Abstr.) **(Cze)**

[Mast cells in calciphylactic pancreatitis] Klemm G, et al. **Dtsch Z Verdau Stoffwechselkr** 1986;46(5):294–300 (Eng. Abstr.) **(Ger)**

[Effects of magnesium deficiency on dermal mast cells in rats] Ishiguro S, et al. **Nippon Yakurigaku Zasshi** 1987 Mar; 89(3):121–7 (Eng. Abstr.) **(Jpn)**

[Occurrence of mast cells in invasive cancer of the cervix uteri] Opacki W. **Ginekol Pol** 1986 Apr;57(4):294–9 (Eng. Abstr.) **(Pol)**

[Behavior and role of mastocytes and eosinophils in natural and transplantable lymphatic leukemia in mice] Madej JA, et al. **Pol Arch Weter** 1986;26(1–2):81–93 (Eng. Abstr.) **(Pol)**

[Histopathology of tegumentary leishmaniasis caused by Leishmania braziliensis braziliensis. 3. Cellular reactions in tissues] de Magalhães AV, et al.
Rev Inst Med Trop Sao Paulo 1986 Sep–Oct;28(5):300–11 (Eng. Abstr.) **(Por)**

[Mast cell population in rats with experimental atherosclerosis] Umarova BA, et al.
Biull Eksp Biol Med 1987 Mar;103(3):366–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Adenosine receptors on human basophils and lung mast cells. Marone G, et al. **Adv Exp Med Biol** 1986;195 Pt B:35–42

Modulation of eicosanoid production due to mast cell–macrophage interaction. Jakschik BA, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1986; 16:141–52 (23 ref.)

Mechanism of signal transduction in mast cells and basophils: studies with RBL-2H3 cells. Beaven MA, et al.
Agents Actions 1987 Apr;20(3–4):137–45 (39 ref.)

Functional differences between human cutaneous mast cells and basophils: a comparison of morphine-induced histamine release. Ebertz JM, et al. **Agents Actions** 1986 Aug;18(5–6):455–62

In vitro and in vivo migratory response of connective tissue mast cells to inflammatory mediators. Mecklenburg G, et al. **Agents Actions** 1986 Dec;19(5–6):344–5

The role of intracellular Ca2+ in the degranulation of skinned mast cells. Tasaka K, et al. **Agents Actions** 1987 Apr;20(3–4):157–60

Genetically mast-cell-deficient W/Wv and Sl/Sld mice. Their value for the analysis of the roles of mast cells in biologic responses in vivo. Galli SJ, et al. **Am J Pathol** 1987 Apr;127(1):191–8

Ethanol-induced acute gastric injury in mast cell-deficient and congenic normal mice. Evidence that mast cells can augment the area of damage. Galli SJ, et al.
Am J Pathol 1987 Jul;128(1):131–40

Mast cell involvement in various inflammatory processes. Bienenstock J, et al. **Am Rev Respir Dis** 1987 Jun;135(6 Pt 2):S5–8 (31 ref.)

The pathophysiology of human mast cells. In vitro and in vivo function. Peters SP, et al. **Am Rev Respir Dis** 1987 May;135(5):1196–200 (77 ref.)

Mast cell migration during epithelization of extraction wounds. Amler MH, et al. **Ann Dent** 1987 Summer; 46(1):16–9, 57

Mast cells in regional lymph nodes responding to syngeneic and xenogeneic tumour MSVC and HeLa cell lines in BALB/c mice. Włodarski KH, et al.
Arch Immunol Ther Exp (Warsz) 1986;34(1):1–5

Differential calcium effects on prostaglandin D2 generation and histamine release from isolated rat peritoneal mast cells. Kawabe H, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):467–74

Hyperlipidemia in mast cell-deficient W/WV mice. Hatanaka K, et al. **Biochim Biophys Acta** 1986 Oct 3;878(3):440–5

Development of large numbers of mast cells at sites of idiopathic chronic dermatitis in genetically mast cell-deficient WBB6F1-W/Wv mice. Galli SJ, et al.
Blood 1987 Jun;69(6):1661–6

About the physiological role of mast cells: is exocytosis a rhythmic event? A study on rat thyroid gland. Catini C, et al. **Cell Biol Int Rep** 1986 Aug;10(8):587

Regulatory effects of mast cells on lymphoid cells: the role of histamine type 1 receptors in the interaction between mast cells, helper T cells and natural suppressor cells. Khan MM, et al. **Cell Immunol** 1986 Nov;103(1):41–53

Mast cell mediators and asthma. Kaliner M. **Chest** 1987 Jun; 91(6 Suppl):171S–176S (38 ref.)

The role of mast cell derived mediators in airway hyperresponsiveness. Schulman ES. **Chest** 1986 Oct; 90(4):578–83 (74 ref.)

Secretory granule proteoglycans of mast cells and natural killer cells. Stevens RL. **Ciba Found Symp** 1986;124:272–85

The role of basophils and mast cells in cutaneous basophil hypersensitivity reaction. Kishimoto T, et al.
Clin Exp Immunol 1987 Mar;67(3):611–6

Systemic anaphylaxis in mast-cell-deficient mice of W/Wv and Sl/Sld genotypes. Ha TY, et al. **Exp Cell Biol** 1987; 55(2):63–8

Viability and recovery from degranulation of isolated rat peritoneal mast cells. Slutsky B, et al. **Exp Cell Res** 1987 Jan;168(1):63–78

New approaches for the analysis of mast cell maturation, heterogeneity, and function. Galli SJ. **Fed Proc** 1987 Apr; 46(5):1906–14

Genetically mast cell–deficient W/Wv mice as a tool for studies of differentiation and function of mast cells. Nakano T, et al. **Fed Proc** 1987 Apr;46(5):1920–3

Adrenergic activity on rat pleural and peritoneal mast cells. Loss of beta-receptors during the purification procedure. Botana LM, et al. **Gen Pharmacol** 1987;18(2):141–8

Mast cell: its mediators and effects on arterial wall metabolism. Bydlowski SP. **Gen Pharmacol** 1986; 17(6):625–31 (80 ref.)

The role of mast cells in inflammatory processes: evidence for nerve/mast cell interactions. Bienenstock J, et al.
Int Arch Allergy Appl Immunol 1987;82(3–4):238–43 (36 ref.)

Intraepithelial migration of mucosal mast cells in hay fever: ultrastructural observations. Enerbäck L, et al.
Int Arch Allergy Appl Immunol 1986;81(4):289–97

Analysis of mast cell function in biological responses not involving IgE. Galli SJ, et al.
Int Arch Allergy Appl Immunol 1987;82(3–4):269–71

Histochemical and functional characteristics of the human nasal mast cell. Gomez E, et al.
Int Arch Allergy Appl Immunol 1987;83(1):52–6

Eosinophil response in mast cell–deficient W/WV mice. Nawa Y, et al. **Int Arch Allergy Appl Immunol** 1987; 83(1):6–11

Involvement of serotonin in intestinal mastocytopoiesis and inflammation during a Trichinella spiralis infection in mice. Parmentier HK, et al. **Int Arch Allergy Appl Immunol** 1987; 83(1):31–8

Calcium and histamine release from mast cells. West GB. **Int Arch Allergy Appl Immunol** 1986;81(4):388–90

Mast cells and their mediators. Emphasis on their role in type I immediate hypersensitivity in canines. Melman SA.
Int J Dermatol 1987 Jul–Aug;26(6):335–44 (54 ref.)

The biologic activity of mast cell granules. VIII. In vivo and in vitro characterization of mast cell granule-derived inflammatory factors involved in rat late-phase reactions. Lemanske RF Jr, et al. **J Allergy Clin Immunol** 1987 Jan; 79(1):32–9

Functional heterogeneity of human mast cells from different anatomic sites: in vitro responses to morphine sulfate. Tharp MD, et al. **J Allergy Clin Immunol** 1987 Apr; 79(4):646–53

Immunological regulation of synaptic transmission in isolated guinea pig autonomic ganglia. Weinreich D, et al.
J Clin Invest 1987 May;79(5):1529–32

A patch-clamp study of histamine-secreting cells. Lindau M, et al. **J Gen Physiol** 1986 Sep;88(3):349–68

The induction of lymphokine synthesis and cell growth in IL 3-dependent cell lines using antigen-antibody complexes. Le Gros GS, et al. **J Immunol** 1987 Jul 15; 139(2):422–8

Co-culture of human lung-derived mast cells with mouse 3T3 fibroblasts: morphology and IgE-mediated release of histamine, prostaglandin D2, and leukotrienes.
Levi-Schaffer F, et al. **J Immunol** 1987 Jul 15; 139(2):494–500

Basic characteristics of human lung mast cell desensitization. MacGlashan D Jr, et al. **J Immunol** 1987 Jul 15; 139(2):501–5

Biosynthesis of paf-acether. IX. Role for a phosphorylation-dependent activation of acetyltransferase in antigen-stimulated mouse mast cells. Ninio E, et al.
J Immunol 1987 Jul 1;139(1):154–60

Effects of ADP-ribosylation of GTP-binding protein by pertussis toxin on immunoglobulin E-dependent and -independent histamine release from mast cells and basophils. Saito H, et al. **J Immunol** 1987 Jun 1; 138(11):3927–34

Mast cells are not required for anaphylatoxin-induced ileal smooth muscle contraction. Stimler-Gerard NP, et al.
J Immunol 1987 Mar 15;138(6):1908–13

Interleukin 1 releases histamine from human basophils and mast cells in vitro. Subramanian N, et al. **J Immunol** 1987 Jan 1;138(1):271–5

In vivo mediator release and degranulation of mast cells in hematoporphyrin derivative-induced phototoxicity in mice. Kerdel FA, et al. **J Invest Dermatol** 1987 Mar; 88(3):277–80

Normalization of anti-tick response of mast cell–deficient

W/Wv mice by intracutaneous injection of cultured mast cells. Matsuda H, et al. **J Parasitol** 1987 Feb;73(1):155–60

Acute synovial fluid eosinophilia associated with delayed pressure urticaria: a role for mast cells? Miossec P, et al. **J Rheumatol** 1987 Apr;14(2):372–4

New hope for neurofibromatosis? The mast cell connection [editorial] Claman HN. **JAMA** 1987 Aug 14;258(6):823

Hepatic microvascular regulatory mechanisms. IX. Effects of compound 48/80 on endotoxin–induced changes in microcirculation and mast cell integrity. Unger LS, et al. **Microcirc Endothelium Lymphatics** 1986;3(2):109–28

Effects of the basophil–mast cell system on blood coagulation. Hayashi H, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Dec;49(8):1595–603

Mast cell degranulation and glucose homeostasis. **Nutr Rev** 1987 May;45(5):152–3

Phototoxicity induced by hematoporphyrin derivative in C5–deficient, mast cell–deficient and leukopenic mice. Lim HW, et al. **Photochem Photobiol** 1986 Aug;44(2):175–80

Final steps in exocytosis observed in a cell with giant secretory granules. Breckenridge LJ, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1945–9

Stimulation of mast cells leads to cholesterol accumulation in macrophages in vitro by a mast cell granule–mediated uptake of low density lipoprotein. Kokkonen JO, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2287–91

Altered protein kinase C in a mast cell variant defective in exocytosis. Mazurek N, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1277–81

A single gene in mast cells encodes the core peptides of heparin and chondroitin sulfate proteoglycans. Tantravahi RV, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(23):9207–10

Modulation of allergic and nonallergic histamine secretion by lipoxygenase inhibitors. Chand N, et al. **Res Commun Chem Pathol Pharmacol** 1987 Jan;55(1):49–57

Inhibition of histamine secretion from rat peritoneal mast cells and rabbit leukocytes by p–bromophenacyl bromide, a phospholipase A2 inhibitor. Chand N, et al. **Res Commun Chem Pathol Pharmacol** 1987 Jan;55(1):17–24

Some aspects of a non–linear effect of zinc ions on the histamine release from rat peritoneal mast cells. Harisch G, et al. **Res Commun Chem Pathol Pharmacol** 1987 Jan; 55(1):39–48

The function and properties of human lung mast cells. Flint KC, et al. **Respiration** 1986;50 Suppl 2:31–41

Mast–cell–mediated angiogenesis: a novel experimental model using the rat mesentery. Norrby K, et al. **Virchows Arch [B]** 1986;52(3):195–206

RADIONUCLIDE IMAGING

Ultraviolet–B radiation suppresses mast cell degranulation induced by compound 48/80. Danno K, et al. **J Invest Dermatol** 1986 Dec;87(6):775–8

SECRETION

Histamine release from mast cells of various species induced by histamine releasing factor from human lymphocytes. Brzezińska–Błaszczyk E, et al. **Agents Actions** 1987 Jun; 21(1–2):26–31

Oxatomide inhibits the release of bronchoconstrictor arachidonic acid metabolites (iLTC4 and PGD2) from rat mast cells and guinea–pig lung. Kosaka Y, et al. **Agents Actions** 1987 Jun;21(1–2):32–7

Rat mast cells permeabilised with streptolysin O secrete histamine in response to Ca2+ at concentrations buffered in the micromolar range. Howell TW, et al. **Biochim Biophys Acta** 1987 Feb 18;927(2):177–83

The effect of IgE–mediated mast cell degranulation on the expression of experimental contact sensitivity in the mouse. Mekori YA, et al. **Cell Immunol** 1987 Aug;108(1):1–9

Activation of basophils and mast cells for mediator release. Ishizaka T, et al. **Int Arch Allergy Appl Immunol** 1987; 82(3–4):327–32 (25 ref.)

Mast cell histamine release induced by intermediate products of arachidonic acid metabolism. Masini E, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):279–82

Seasonal variation of mast cell function in human adenoid tissues. Schmutzler W, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):277–8

Essential synergy between Ca2+ and guanine nucleotides in exocytotic secretion from permeabilized rat mast cells. Howell TW, et al. **J Cell Biol** 1987 Jul;105(1):191–7

Characterization of primate bronchoalveolar mast cells. II. Inhibition of histamine, LTC4, and PGD2 release from primate bronchoalveolar mast cells and a comparison with rat peritoneal mast cells. Wells E, et al. **J Immunol** 1986 Dec 15;137(12):3941–5

Characterization of primate bronchoalveolar mast cells. I. IgE–dependent release of histamine, leukotrienes, and prostaglandins. Wells E, et al. **J Immunol** 1986 Dec 15; 137(12):3933–40

Neutrophils and mast cells. I. Human neutrophil–derived histamine–releasing activity. White MV, et al. **J Immunol** 1987 Sep 1;139(5):1624–30

In vitro functional reactivities of cutaneous mast cells from patients with mastocytosis. Tharp MD, et al. **J Invest Dermatol** 1987 Sep;89(3):264–8

Mechanism of histamine secretion from rat mast cell by calcium reintroduction. Sorimachi M, et al. **Jpn J Physiol** 1986;36(4):801–6

Histamine secretion from permeabilized mast cells by calcium. Chakravarty N. **Life Sci** 1986 Oct 27; 39(17):1549–54

Degranulation and histamine release from murine mast cells sensitized with dengue virus–immune sera. Sanchez LF, et al. **Microbiol Immunol** 1986;30(8):753–9

Mastocytosis: a review. Stein DH. **Pediatr Dermatol** 1986 Nov;3(5):365–75 (55 ref.)

[Mechanism of mobilization of biogenic amines from rat mast cells in radiation protected conditions] Goncharenko EN, et al. **Radiobiologiia** 1986 Sep–Oct;26(5):631–6 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

[Transfer into the mouse of mast cells differentiated in vitro] Schaaf–Lafontaine N, et al. **C R Soc Biol (Paris)** 1986; 180(2):234–42 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Direct innervation of neurolipomastocytes in the rabbit and rat cerebral artery wall. Aubineau P, et al. **Acta Physiol Scand [Suppl]** 1986;552:21–4

Antigen–induced, IgE–mediated degranulation of cloned immature mast cells derived from normal mice. Dvorak AM, et al. **Am J Pathol** 1987 Mar;126(3):535–45

Human mast cells and asthma. Friedman MM, et al. **Am Rev Respir Dis** 1987 May;135(5):1157–64 (88 ref.)

An ultrastructural study of mast cells in the alveolar wall of normal and asthmatic lung. Warton A, et al. **Aust J Exp Biol Med Sci** 1986 Oct;64 (Pt 5):435–44

Distribution and ultrastructure of mast cells in the duck. Valsala KV, et al. **Avian Dis** 1986 Oct–Dec;30(4):653–7

Protein phosphorylation in rat mast cell granules. Cyclic AMP dependent phosphorylation of a 44K protein associated with broken granules. Kurosawa M, et al. **Biochem Pharmacol** 1987 Jan 1;36(1):131–40

The ultrastructure of mucosal mast cells. Greenwood B, et al. **Eur J Respir Dis [Suppl]** 1986;147:210–6

Loss of quin 2 accompanies degranulation of mast cells. Bibb PC, et al. **FEBS Lett** 1986 Dec 15;209(2):169–74

Beige mouse mast cells generated in vitro: ultrastructural analysis of maturation induced by sodium butyrate and of IgE–mediated, antigen–dependent degranulation. Dvorak AM, et al. **Int Arch Allergy Appl Immunol** 1987; 82(3–4):261–8

Cutaneous mast cell depletion and recovery in murine graft–vs–host disease. Choi KL, et al. **J Immunol** 1987 Jun 15;138(12):4093–101

Simultaneous in situ detection of IgE receptors and cytoplasmic granules in murine cutaneous mast cells. Giorno R, et al. **J Immunol Methods** 1987 May 20; 99(2):163–6

Preparation and characterization of mast cell cytoplasts. Kennerly DA. **J Immunol Methods** 1987 Mar 12; 97(2):173–83

Mast cells containing melanin granules in sublingual keratosis. Tawfik AM, et al. **J Oral Pathol** 1987 Mar;16(3):108–11

Mast cells in acute hepatitis. Bardadin KA, et al. **J Pathol** 1986 Aug;149(4):315–25

Mast cells in the chick embryo choroid plexuses. Ribatti D, et al. **J Submicrosc Cytol** 1987 Apr;19(2):371–3

Defective cytoplasmic granule formation. I. Abnormalities affecting tissue mast cells and pancreatic acinar cells of beige mice. Hammel I, et al. **Lab Invest** 1987 Mar; 56(3):321–8

Mast–cell degranulation in human hearts [letter] Dvorak AM. **N Engl J Med** 1986 Oct 9;315(15):969–70

Currents through the fusion pore that forms during exocytosis of a secretory vesicle. Breckenridge LJ, et al. **Nature** 1987 Aug 27–Sep 2;328(6133):814–7

Simultaneous electrical and optical measurements show that membrane fusion precedes secretory granule swelling during exocytosis of beige mouse mast cells. Zimmerberg J, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1585–9

An electron microscopic study on mast cell degranulation and regeneration in rats. Shin J, et al. **Yonsei Med J** 1986; 27(1):30–40

[Culture of murine mastocytes: heterogeneity of the ultrastructural aspects] Arock M, et al. **C R Soc Biol (Paris)** 1986;180(6):633–41 (Eng. Abstr.) **(Fre)**

[Isolation and ultrastructural characteristics of human mesenteric connective tissue mast cells] Koizumi S. **Arerugi** 1987 Mar;36(3):155–61 (Eng. Abstr.) **(Jpn)**

[Ultrastructural study of mast cell degranulation from patients with allergic respiratory disease] Matsuda T. **Arerugi** 1987 Jan;36(1):49–55 (Eng. Abstr.) **(Jpn)**

[Degranulation ultrastructures of respiratory mast cells in patients with bronchial asthma] Matsuda T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan; 25(1):106–11 (Eng. Abstr.) **(Jpn)**

[Autonomic nervous alterations and mast cell degranulation in the exacerbation of ulcerative colitis] Yonei Y. **Nippon Shokakibyo Gakkai Zasshi** 1987 May;84(5):1045–56 (Eng. Abstr.) **(Jpn)**

[Mast cells in the central nervous system of man—their specific distribution and degranulation] Arai T, et al. **Rinsho Byori** 1986 Jul;34(7):845–9 **(Jpn)**

[Ultrastructure of tissue basophils and capillaries during different periods of pre– and postnatal development of the dermis in the rat] Radostina AI. **Arkh Anat Gistol Embriol** 1986 Aug;91(8):17–23 (Eng. Abstr.) **(Rus)**

MASTECTOMY

Monoclonal antibody staining and impact of surgical technique on the identification and quantitation of steroid receptors in human breast cancer. Butler J, et al. **Am J Surg** 1987 Jul;154(1):62–6

Early discharge after modified radical mastectomy [letter] Wendel RA. **Am J Surg** 1987 May;153(5):448

Early discharge after mastectomy. A safe way of diminishing hospital costs. Orr RK, et al. **Am Surg** 1987 Mar;53(3):161–3

An early appraisal of the methods of tissue expansion and the transverse rectus abdominis musculocutaneous flap in reconstruction of the breast following mastectomy. McCraw JB, et al. **Ann Plast Surg** 1987 Feb;18(2):93–113

Correlation between morphometrical parameters and disease–free survival in ductal breast cancer treated only by surgery. Tosi P, et al. **Appl Pathol** 1986;4(1–2):33–42

Location of the excision site following segmental mastectomy for accurate postoperative irradiation. Denham JW, et al. **Aust NZ J Surg** 1986 Sep;56(9):685–8

Post–mastectomy breast reconstruction using the inflatable tissue expander. Chisholm EM, et al. **Br J Surg** 1986 Oct; 73(10):817–20

Cosmetic results of immediate breast reconstruction post–mastectomy: a follow–up study. Mansel RE, et al. **Br J Surg** 1986 Oct;73(10):813–6

Psychosocial effects of radiotherapy after mastectomy. Hughson AV, et al. **Br Med J [Clin Res]** 1987 Jun 13; 294(6586):1515–8

Psychological impact of adjuvant chemotherapy in the first two years after mastectomy [published erratum appears in Br Med J [Clin Res] 1986 Nov 29;293(6559):1410] Hughson AV, et al. **Br Med J [Clin Res]** 1986 Nov 15; 293(6557):1268–71

Resumption of hormonal therapy [letter] Loui WW. **CA** 1986 Nov–Dec;36(6):375–6

Overview of randomized trials of postoperative adjuvant radiotherapy in breast cancer. Cuzick J, et al. **Cancer Treat Rep** 1987 Jan;71(1):15–29 (43 ref.)

Comparison of Halsted mastectomy with quadrantectomy, axillary dissection, and radiotherapy in early breast cancer: long–term results. Veronesi U, et al. **Eur J Cancer Clin Oncol** 1986 Sep;22(9):1085–9

Adjuvant androgen treatment of operable breast cancer—a 20 year analysis. Karydas I, et al. **Eur J Surg Oncol** 1987 Apr;13(2):113–7

Is it useful to remove internal mammary nodes in operable breast cancer? Lacour J, et al. **Eur J Surg Oncol** 1987 Aug; 13(4):309–14

The role of radiotherapy in the treatment and prevention of local–regional recurrence following mastectomy for operable breast cancer. Fowble BD. **Int J Radiat Oncol Biol Phys** 1986 Dec;12(12):2209–10

Post mastectomy pain after brachial plexus palsy: metastases or radiation neuritis? Hoang P, et al. **J Hand Surg [Br]** 1986 Oct;11(3):441–3

Carcinoma of the breast: when may the breast be saved? Bessinger CD Jr. **J SC Med Assoc** 1986 Sep;82(9):559–61

Carcinoma of the breast: when may the breast be saved? [letter] Maguire CP. **J SC Med Assoc** 1986 Nov; 82(11):698–9

Mastectomies for malignancy: a DRG–based hospital utilization analysis. Bredenberg PA, et al. **J Surg Oncol** 1987 May;35(1):19–23

An evaluation of routine follow–up for detection of breast cancer recurrences. Zwaveling A, et al. **J Surg Oncol** 1987 Mar;34(3):194–7

Surgical technique and pitfalls of breast reconstruction immediately after mastectomy for carcinoma: initial experience. van Heerden JA, et al. **Mayo Clin Proc** 1987 Mar;62(3):185–91

The actual extent of mastectomy: a key to survival. Ferguson DJ. **Perspect Biol Med** 1987 Spring;30(3):311–23

Munchausen's syndrome and prophylactic mastectomy. Grenga TE, et al. **Plast Reconstr Surg** 1987 Jul;80(1):119–20

Buried transverse abdominal myocutaneous flap and silicone implants to reconstruct pectus excavatum and bilateral mastectomy deformity. Rudolph R. **Plast Reconstr Surg** 1986 Dec;78(6):817–9

The severity of late skin damage related to fraction size in women treated by radiotherapy after mastectomy. Morgan SA, et al. **Radiother Oncol** 1987 Apr;8(4):315–9

Immediate breast reconstruction after mastectomy using a permanent tissue expander. Becker H, et al. **South Med J** 1987 Feb;80(2):154–60

Prophylactic partial mastectomy [letter] Woods JE. **Surgery** 1987 Jan;101(1):120–1

Correlation between changes in prolactin and melatonin serum levels after radical mastectomy. Lissoni P, et al. **Tumori** 1987 Jun 30;73(3):263–7

[Fine–needle biopsy instead of frozen sections prior to mastectomy] Siim E, et al. **Ugeskr Laeger** 1987 Mar 2; 149(10):656–8 (Eng. Abstr.) **(Dan)**

[Recent advances in breast reconstruction] Lejour M, et al. **Acta Chir Belg** 1987 Mar–Apr;87(2):129–36 (Eng. Abstr.) **(Fre)**

[Breast implants: choice of prosthesis (letter)] Plancq V. **Acta Chir Belg** 1986 Nov–Dec;86(6):374–5 (Eng. Abstr.) **(Fre)**

[Conservative surgery in the treatment of breast cancer] Cerbonnet G. **Bull Acad Nati Med (Paris)** 1986 Oct; 170(7):887–93 (Eng. Abstr.) **(Fre)**

[Prognostic significance of isolated local recurrences in breast cancer following mastectomy and axillary node excision. Apropos of 77 recurrences in 2362 patients] Avril A, et al. **Bull Cancer (Paris)** 1986;73(5):497–503 (Eng. Abstr.) **(Fre)**

[Pregnancy following surgery for cancer of the breast] Querieu D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(5):633–9 (Eng. Abstr.) **(Fre)**

[Cervical peridural anesthesia in mastectomy] Santanchè G, et al. **Anaesthesiol Reanim** 1986;11(5):277–84 (Eng. Abstr.) **(Ger)**

[A new development: a brassiere for patients with breast amputation] Schwehm B. **Z Lymphol** 1986 Dec;10(2):82 **(Ger)**

[Cystosarcoma phyllodes of the lacteal glands] Meseg S. **Zentralbl Chir** 1987;112(10):616–21 (Eng. Abstr.) **(Ger)**

[Individual therapy of breast cancer] Wilken H. **Zentralbl Gynakol** 1987;109(1):15–21 (Eng. Abstr.) **(Ger)**

[Local–regional recurrence after mastectomy. CT as a tool of diagnosis and treatment planning] Olivetti L, et al. **Radiol Med (Torino)** 1986 Oct;72(10):715–9 (Eng. Abstr.) **(Ita)**

[Clinicopathologic study of intramammary cancer residuals after outpatient excisional biopsy of breast cancer] Yamashiro K, et al. **Gan No Rinsho** 1986 Sep;32(11):1395–9 (Eng. Abstr.) **(Jpn)**

[Conservative surgical treatment of cancer of the breast] Pinotti JA, et al. **AMB** 1986 May–Jun;32(5–6):89–95 (Eng. Abstr.) **(Por)**

[Thermography and radionuclide scintigraphy in reconstructive plastic operations following radical mastectomy] Gladilina IA, et al. **Med Radiol (Mosk)** 1987 Jun;32(6):33–6 (Eng. Abstr.) **(Rus)**

[Central hemodynamic characteristics of breast cancer patients following radical treatment] Donskaia LV, et al. **Vopr Onkol** 1987;33(7):83–7 (Eng. Abstr.) **(Rus)**

[Local regional metastases of breast carcinoma after mastectomy] Karabalević M, et al. **Vojnosanit Pregl** 1986 Nov–Dec;43(6):447–50 **(Scr)**

ADVERSE EFFECTS

Angiosarcoma of the breast following segmental mastectomy complicated by lymphedema. Benda JA, et al. **Am J Clin Pathol** 1987 May;87(5):651–5

Fat necrosis of the breast: an unusual complication of lumpectomy and radiotherapy in breast cancer. Rostom AY, et al. **Clin Radiol** 1987 Jan;38(1):31

Lymphangioma circumscriptum following mastectomy and radiation therapy. Leshin B, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 2):1117–9

[Microsurgical therapy of post–mastectomy lymphedema of the arm] Ortensi A, et al. **Minerva Chir** 1987 Feb 15; 42(3):159–62 (Eng. Abstr.) **(Ita)**

[Role of venous injury in the origin of post–mastectomy lymphedema of the arm. Results of 150 measurements of the venous pressure of the homo– and counter–lateral arm in mastectomy] Tarquini A, et al. **Minerva Chir** 1987 Jun 30;42(12):1053–9 (Eng. Abstr.) **(Ita)**

[Treatment of lymphedema subsequent to intervention for tumors of the breast] Monzeglio C, et al. **Minerva Ginecol** 1987 Mar;39(3):189–92 (Eng. Abstr.) **(Ita)**

[Lymphodynamic disorders in postmastectomy edema] Mogilevskil IL, et al. **Sov Med** 1987;(2):115–6 **(Rus)**

ECONOMICS

Lumpectomy vs mastectomy. The costs of breast preservation for cancer. Muñoz E, et al. **Arch Surg** 1986 Nov;121(11):1297–301

Costs of lumpectomy vs mastectomy [letter] Perez CA. **Arch Surg** 1987 Jun;122(6):736

INSTRUMENTATION

[A device for evacuation of the exudate after radical mastectomy] Letiagin VP, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):109–11 **(Rus)**

METHODS

Surgical procedures in the treatment of breast cancer. Burn I. **Acta Chir Belg** 1987 Mar–Apr;87(2):109–14

Subcutaneous mastectomy, indications and techniques. Matton G, et al. **Acta Chir Belg** 1987 Mar–Apr;87(2):120–8

Surgical complications and follow–up evaluation of 163 patients with subcutaneous mastectomy. Holzgreve W, et al. **Aesthetic Plast Surg** 1987;11(1):45–8

Infected Meme implants: salvage reconstruction with latissimus dorsi myocutaneous flaps and silicone implants. Okunski WJ, et al. **Aesthetic Plast Surg** 1987;11(1):49–51

Mastectomy orientation arrow. Lawrence RD, et al. **Am J Surg Pathol** 1986 Dec;10(12):894

Detailed technique of subcutaneous mastectomy with and without mastopexy. Woods JE. **Ann Plast Surg** 1987 Jan; 18(1):51–61

Who still prefers aggressive surgery for breast cancer? Implications for the clinical applications of clinical trials. Deber RB, et al. **Arch Intern Med** 1987 Sep;147(9):1543–7

Nipple preservation during mastectomy. Kissin MW, et al. **Br J Surg** 1987 Jan;74(1):58–61

Apple–coring technique for severe gynecomastia. Freiberg A, et al. **Can J Surg** 1987 Jan;30(1):57–60

Overview of randomized trials comparing radical mastectomy without radiotherapy against simple mastectomy with radiotherapy in breast cancer. Cuzick J, et al. **Cancer Treat Rep** 1987 Jan;71(1):7–14 (15 ref.)

Short term morbidity and cosmesis following lumpectomy and radical radiotherapy for operable breast cancer. Read PE, et al. **Clin Radiol** 1987 Jul;38(4):371–3

Subcutaneous mastectomy as ultimate treatment of galactorrhea. Meuwissen JH, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Apr;9(2):115–6

Cancer of the breast: conservation surgery and curative radiation therapy—technique. Brady LW, et al. **Front Radiat Ther Oncol** 1987;21:181–94

Current strategies in operable breast cancer. Deckers PJ. **Hosp Pract [Off]** 1987 Jan 30;22(1A):41–9, 53–4, 59–68 (8 ref.)

Segmental mastectomy incision options [letter] Shulman I. **Hosp Pract [Off]** 1986 Dec 15;21(12):16

The modified extended mastectomy using the trap–door method as a staging operation. Noguchi M, et al. **Int Surg** 1987 Jan–Mar;72(1):38–41

Factors influencing options in primary breast cancer treatment. Wolberg WH, et al. **J Clin Oncol** 1987 Jan; 5(1):68–74

Five year results of radical mastectomy for breast cancer, by a sternal splitting, intrapleural en bloc resection of the internal mammary lymph nodes. Noguchi M, et al. **Jpn J Surg** 1987 Mar;17(2):63–71

CO2 laser in cancer surgery of the breast: a comparative clinical study. Ansanelli VW. **Lasers Surg Med** 1986; 6(5):470–2

Lower–axillary–node sampling in conjunction with local excision for breast cancer [letter] Steele RJ, et al. **N Engl J Med** 1986 Nov 20;315(21):1358

The results of clinical trial within the framework of CMEA on surgical methods of mammary gland carcinoma treatment. Vishnyakova VV, et al. **Neoplasma** 1986; 33(5):631–9

An improved technique for immediate retropectoral reconstruction after subcutaneous mastectomy. Maillard GF, et al. **Plast Reconstr Surg** 1987 Sep;80(3):396–408

Localization of occult breast lesions: practical solutions to problems of triangulation. Swann CA, et al. **Radiology** 1987 May;163(2):577–9

Conservative surgery: the American experience. Fisher B, et al. **Semin Oncol** 1986 Dec;13(4):425–33

Clinical experience in breast cancer—20 years after radical mastectomy. Yu HT. **Semin Surg Oncol** 1987;3(1):33–5

Successful treatment of stages IIIa and IIIb carcinoma of the breast by mastectomy in the elderly high risk patient using local anesthesia. Devereux DF. **Surg Gynecol Obstet** 1987 Jul;165(1):38–40

A ten year study of partial mastectomy for carcinoma of the breast. Stehlin JS Jr, et al. **Surg Gynecol Obstet** 1987 Sep;165(3):191–8

[Comparative study of radical versus modified radical mastectomy in breast cancer] Rong GH, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Dec;24(12):730–1, 780 (Eng. Abstr.) **(Chi)**

[The course following insufficient partial evacuation of the axilla in mastectomy for breast cancer] Ibsen TB, et al. **Ugeskr Laeger** 1987 Jun 1;149(23):1530–1 (Eng. Abstr.) **(Dan)**

[Breast–sparing surgery in T1 breast carcinoma] Rosseel B, et al. **Acta Chir Belg** 1987 May–Jun;87(3):147–51 (Eng. Abstr.) **(Dut)**

[Our experience with subcutaneous mastectomy followed by immediate or delayed reconstruction. Apropos of 49 cases] Méline F, et al. **Ann Chir Plast Esthet** 1986;31(4):366–73 (Eng. Abstr.) **(Fre)**

[Subcutaneous mastectomy] Reynier J. **Chirurgie** 1986; 112(6):519–21 **(Fre)**

[Mastectomy with immediate reconstruction by transposition of a transverse abdominal skin flap attached to the rectus abdominis muscle] Dargent D, et al. **Presse Med** 1987 Mar 28;16(11):533–6 (Eng. Abstr.) **(Fre)**

[Subcutaneous mastectomy. Indications and surgical technics] Bouquet de Jolinière J, et al. **Rev Fr Gynecol Obstet** 1987 Jun;82(6):397–402, 405–7 (36 ref.) (Eng. Abstr.) **(Fre)**

[Technic of breast–saving surgery] Harder F, et al. **Langenbecks Arch Chir** 1986;368(4):255–66 **(Ger)**

[Effectiveness of radiation therapy following breast–preserving surgery in breast carcinoma] Steidle B, et al. **Strahlenther Onkol** 1987 Mar;163(3):133–8 (Eng. Abstr.) **(Ger)**

[Surgical therapy in advanced (exulcerated) breast cancer] Barnbeck F, et al. **Zentralbl Chir** 1987;112(10):611–5 (Eng. Abstr.) **(Ger)**

[Breast–saving operations in breast cancer] Beller FK, et al. **Zentralbl Gynakol** 1987;109(1):22–31 (Eng. Abstr.) **(Ger)**

[Surgical treatment of breast carcinoma] Paolini A, et al. **Minerva Chir** 1986 Nov 15;41(21):1795–800 (Eng. Abstr.) **(Ita)**

[Quadrantectomy. Choice therapy for 23 clinical cases of T1 carcinoma in situ of the breast] Prete R, et al. **Minerva Chir** 1986 Aug 31;41(15–16):1337–42 (Eng. Abstr.) **(Ita)**

[Efficacy of extrapleural internal mammary node dissection in breast cancer] Kohno N, et al. **Gan No Rinsho** 1986 Sep;32(11):1400–6 (Eng. Abstr.) **(Jpn)**

[Organ–sparing methods of surgical treatment of precancerous conditions and early cancer of the breast] Nowicki A, et al. **Wiad Lek** 1986 Dec 1;39(23):1628–31 **(Pol)**

[Periareolar approach in sectorial resection of the breast] Adamian AT, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):29–31 (Eng. Abstr.) **(Rus)**

[Experience in performing the Patey–Dyson operation in cancer of the breast] Bazhenova AP, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):37–42 (Eng. Abstr.) **(Rus)**

[Treatment and surgical rehabilitation of patients with acute suppurative mastitis (review of the literature)] Vishnevskil AA, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):136–9 (70 ref.) **(Rus)**

[The role of radiotherapy in the surgical treatment of patients with breast cancer] Pavlov AS, et al. **Vopr Onkol** 1987; 33(3):40–5 (Eng. Abstr.) **(Rus)**

[Development and current status of the surgical treatment of breast cancer] Sierra García A. **An R Acad Nac Med (Madr)** 1987;104(1):52–73 **(Spa)**

MORTALITY

[Prognosis of breast cancer—20 years experience in radical mastectomy] Yu HT. **Chung Hua Chung Liu Tsa Chih** 1986 Mar;8(2):128–9 (Eng. Abstr.) **(Chi)**

PSYCHOLOGY

Looking good after your mastectomy. Feather BL, et al. **Am J Nurs** 1987 Aug;87(8):1048–9

Psychosocial effects of mastectomy: is it due to mastectomy or to the diagnosis of malignancy? Alagaratnam TT, et al. **Br J Psychiatry** 1986 Sep;149:296–9

Effect of breast conservation on psychological morbidity associated with diagnosis and treatment of early breast cancer [letter] **Br Med J [Clin Res]** 1987 Jan 17; 294(6565):179–80

Effects of breast conservation on psychological morbidity associated with diagnosis and treatment of early breast cancer. Fallowfield LJ, et al. **Br Med J [Clin Res]** 1986 Nov 22;293(6558):1331–4

Psychological response to mastectomy. A prospective comparison study. Psychological aspects of Breast Cancer Study Group. **Cancer** 1987 Jan 1;59(1):189–96

The effect of radical and conserving surgery on the quality of life of early breast cancer patients. de Haes JC, et al. **Eur J Surg Oncol** 1986 Dec;12(4):337–42

Depression and body image following mastectomy and lumpectomy. Lasry JC, et al. **J Chronic Dis** 1987; 40(6):529–34

Psychiatric morbidity following mastectomy: preoperative predictors and types of illness. Dean C. **J Psychosom Res** 1987;31(3):385–92

Phantom breast sensation [letter] Abraham SF, et al. **Med J Aust** 1983 Jan 8;1(1):9

Adjustment of patients and husbands to the initial impact of breast cancer. Northouse LL, et al. **Nurs Res** 1987 Jul–Aug;36(4):221–5

A prospective study of psychiatric and psychosocial sequelae of bilateral subcutaneous mastectomy. Meyer L, et al. **Scand J Plast Reconstr Surg** 1986;20(1):101–7

Psychologic effects and esthetic results of breast reconstruction after mastectomy. Filiberti A, et al. **Tumori** 1986 Dec 31;72(6):585–8

The impact of mastectomy on self–concept and social function: a combined cross–sectional and longitudinal study with comparison groups. Penman DT, et al. **Women Health** 1986 Fall–Winter;11(3–4):101–30

[Therapeutic collaboration between physician and psychoanalyst] Lehmann A. **Bull Cancer (Paris)** 1986; 73(6):701–3 **(Fre)**

[Living like before or: finding one's self, living like previously after a breast ablation] Houbeau M. **Rev Med Liege** 1986 Sep 15;41(18):697–700 **(Fre)**

[Changes in the self image of 2 groups of women after breast surgery] Morasso G, et al. **Minerva Psichiatr** 1986 Oct–Dec;27(4):299–302 (Eng. Abstr.) **(Ita)**

[Results of mastitis] Luk'ianov LM, et al. **Vestn Khir** 1986 Sep;137(9):136 **(Rus)**

[Socio–psychological aspects of prosthesis in women undergoing mastectomy for breast cancer] Gundareva ID, et al. **Vopr Onkol** 1987;33(5):30–3 (Eng. Abstr.) **(Rus)**

REHABILITATION

Immediate breast reconstruction with tissue expanders. Cohen IK, et al. **Clin Plast Surg** 1987 Jul;14(3):491–8

The long–term results of tissue expansion for breast reconstruction. Gibney J. **Clin Plast Surg** 1987 Jul; 14(3):509–18

Expanded myocutaneous flaps: their clinical use. Thornton JW, et al. **Clin Plast Surg** 1987 Jul;14(3):529–34

Reconstruction of a pendulous breast utilizing a tissue expander. Versaci AD. **Clin Plast Surg** 1987 Jul; 14(3):499–508

Breast reconstruction without implant: experience of 52 cases. Petit JY, et al. **Eur J Surg Oncol** 1987 Jun;13(3):219–23

Rehabilitation after mastectomy. Bostwick J. **J Med Assoc Ga** 1987 May;76(5):336–41

Number of stages in breast reconstruction [letter] Brody GS. **Plast Reconstr Surg** 1987 Jul;80(1):147–8

[Reconstruction of the breast using insular musculo-cutaneous flap from the latissimus dorsi muscle] Zieliński A, et al. **Wiad Lek** 1986 Nov 15;39(22):1565-7 (Eng. Abstr.) **(Pol)**

[Use of lithium hydroxybutyrate in plastic operations after mastectomy] Rozanov IB, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):33-6 (Eng. Abstr.) **(Rus)**

[Regional electroanesthesia in complex rehabilitation measures after radical mastectomy] Rozanov IuL, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):48-51 (Eng. Abstr.) **(Rus)**

[Medico-psychological aspects of reconstructive-plastic surgery after mastectomy for cancer] Tkhostov ASh, et al. **Sov Med** 1987;(3):19-22 (Eng. Abstr.) **(Rus)**

VETERINARY

Some effects of total mastectomy upon subsequent reproductive performance in sows. Buttle HL. **Br Vet J** 1987 Jul-Aug;143(4):318-27

MASTICATION

Effects of mechanical loads on surface morphology of the condylar cartilage of the mandible in rats. Bouvier M, et al. **Acta Anat (Basel)** 1987;129(4):293-300

Effects of long-term intake of a fine-grained diet on the mouse masseter muscle. Maeda N, et al. **Acta Anat (Basel)** 1987;128(4):326-33

Silent myocardial ischemia during mastication. Shea MJ, et al. **Am J Med** 1987 Feb;82(2):357-60

Loading patterns and jaw movements during mastication in Macaca fascicularis: a bone-strain, electromyographic, and cineradiographic analysis. Hylander WL, et al. **Am J Phys Anthropol** 1987 Mar;72(3):287-314

Relationship between the mandibular condyle and the occlusal plane during hominid evolution: some of its effects on jaw mechanics. Osborn JW. **Am J Phys Anthropol** 1987 Jun;73(2):193-207

A comparative electromyographic and kinesiographic study of deliberate and habitual mastication in man. Stohler CS. **Arch Oral Biol** 1986;31(10):669-78

Nonedible material elicits chewing and reduces the plasma corticosterone response during novelty exposure in mice. Hennessy MB, et al. **Behav Neurosci** 1987 Apr; 101(2):237-45

Masticatory performance before and after mandibular vestibuloplasty. Watson CJ. **Br Dent J** 1987 Jun 6; 162(11):417-22

A test for occlusal function. The value of a masticatory efficiency test in the assessment of occlusal function. Omar SM, et al. **Br J Orthod** 1987 Apr;14(2):85-90

Neural basis for initiation of rhythmic digastric activity upon midbrain stimulation in the guinea pig. Tal M. **Brain Res** 1987 May 12;411(1):58-64

The modulation of sensory transmission through the medullary dorsal horn during cortically driven mastication. Kim JS, et al. **Can J Physiol Pharmacol** 1986 Jul; 64(7):999-1005

Occlusal, articular and temporomandibular joint dysfunction parameters versus chewing preference during the first chewing cycle. Hoogmartens MJ, et al. **Electromyogr Clin Neurophysiol** 1987 Feb;27(1):7-11

Chewing side preference during the first chewing cycle as a new type of lateral preference in man. Hoogmartens MJ, et al. **Electromyogr Clin Neurophysiol** 1987 Feb;27(1):3-6

Effect of experimentally elicited rhythmic oral activity on the linguodigastric reflex in the lightly anesthetized rabbit. Thexton AJ, et al. **Exp Neurol** 1987 Apr;96(1):104-17

Ultrastructural changes in rat buccal epithelium following elimination of masticatory movements. Meyer J, et al. **Growth** 1986 Summer;50(2):234-49

Implication of forage particle length on chewing activities and milk production in dairy goats. Lu CD. **J Dairy Sci** 1987 Jul;70(7):1411-6

A simple electronic device and computer interface system for monitoring chewing behavior of stall-fed ruminant animals. Luginbuhl JM, et al. **J Dairy Sci** 1987 Jun; 70(6):1307-12

Chewing side preference and muscle quality in complete denture-wearing subjects. Devlin H, et al. **J Dent** 1987 Feb;15(1):23-5

Influence of the patient and type of articulation on the loss of substance from posterior composites: preliminary results. Vrijhoef MM, et al. **J Dent** 1986 Dec;14(6):266-7

Periodontal mechanoreceptors and parotid secretion in animals and man. Anderson DJ, et al. **J Dent Res** 1987 Feb;66(2):518-23

Measurement of selection changes and breakage functions during chewing in man. Van der Glas HW, et al. **J Dent Res** 1987 Oct;66(10):1547-50

The amplitude distribution of electromyographic activity of masticatory muscles during unilateral chewing. Hagberg C. **J Oral Rehabil** 1986 Nov;13(6):567-74

Changes in masticatory movement parameters within the chewing period in young dentate persons and patients rehabilitated with bridges supported by implants in the mandible. Jemt T. **J Oral Rehabil** 1986 Sep;13(5):487-95

The coefficient of swallowable composition of masticated hard-baked soya beans. Jiffry MT. **J Oral Rehabil** 1987 Jan;14(1):51-4

Helkimo's indices before and after prosthetic treatment in selected series. Pekkarinen V, et al. **J Oral Rehabil** 1987 Jan;14(1):35-42

The contribution of the deep fibers of the masseter muscle to selected tooth-clenching and chewing tasks. Belser UC, et al. **J Prosthet Dent** 1986 Nov;56(5):629-35

The relationship of drug use to denture function and saliva flow rate in a geriatric population. Kreher JM, et al. **J Prosthet Dent** 1987 May;57(5):631-8

Occlusal force pattern during mastication in dentitions with mandibular fixed partial dentures supported on osseointegrated implants. Lundgren D, et al. **J Prosthet Dent** 1987 Aug;58(2):197-203

Rumination [editorial] **Lancet** 1987 Jan 24;1(8526):200-1

Flushing of the face as a result of chewing food. Giunta JL, et al. **Oral Surg Oral Med Oral Pathol** 1986 Nov; 62(5):505-7

Chewer's cheeks: a case of bilateral temporal muscle swelling. Van Lierde S. **Pediatr Emerg Care** 1985 Sep;1(3):136-7

Changes in serum cortisol reveal functional differences in frustration-induced chain chewing in pigs. Dantzer R, et al. **Physiol Behav** 1987;39(6):775-7

[Uses of the mandibular kinesiograph in studying and diagnosing TMJ dysfunction syndrome] Yang QH. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1987 Mar; 22(2):100-3, 128 (Eng. Abstr.) **(Chi)**

[Mastication pattern of denture wearers with old and new dentures] Hofmann M, et al. **Schweiz Monatsschr Zahnmed** 1986 Oct;96(10):1102-10 (Eng. Abstr.) **(Ger)**

[Modification of the gingival relationships by the use of a toothbrush or a chewing roller device] Marthaler TM, et al. **Schweiz Monatsschr Zahnmed** 1987;97(5):591-4 (Eng. Abstr.) **(Ger)**

[Effect of the shaping of occlusion on the alignment of occlusal forces during mastication with a complete denture] Schumann R, et al. **Schweiz Monatsschr Zahnmed** 1986 Aug;96(8):935-45 (Eng. Abstr.) **(Ger)**

[The sites inducing the lateral sliding motion of the mandible and masticatory actions] Ai M, et al. **Kokubyo Gakkai Zasshi** 1986 Jun;53(2):584 **(Jpn)**

[Masticatory rhythm generated by electrical and chemical stimulation of the mesencephalic reticular formation in the guinea pig] Hashimoto N. **Kokubyo Gakkai Zasshi** 1986 Dec;53(4):679-88 (Eng. Abstr.) **(Jpn)**

[Morphological analysis of occlusal plane and its relation to occlusal function] Kawaguchi T. **Kokubyo Gakkai Zasshi** 1987 Mar;54(1):68-90 (Eng. Abstr.) **(Jpn)**

[Functional values of dentures anchored by implants] Papić S, et al. **Med Pregl** 1986;39(5-6):275-6 (Eng. Abstr.) **(Scr)**

DRUG EFFECTS

Spontaneous chewing movements in rats during acute and chronic antipsychotic drug administration. Gunne LM, et al. **Pharmacol Biochem Behav** 1986 Oct;25(4):897-901

Neuroleptic-induced oral dyskinesias: effects of progabide and lack of correlation with regional changes in glutamic acid decarboxylase and choline acetyltransferase activities. Mithani S, et al. **Psychopharmacology (Berlin)** 1987; 93(1):94-100

[Vacuous chewing after haloperidol and GABA-linoleamide administration in the rat] Vamvakidès A. **Agressologie** 1986 Nov;27(10):819-21 (Eng. Abstr.) **(Fre)**

MASTICATORY MUSCLES

Succinylcholine-triggered masseter spasm in a patient with trigeminal nerve palsy [letter] Baraka A, et al. **Anesth Analg** 1986 Nov;65(11):1245-6

A marked mandibular deviation caused by abscess of the pterygomandibular space. Furuichi H, et al. **Fukuoka Igaku Zasshi** 1986 Jul;77(7):373-7

A case of facial hemiatrophy associated with linear scleroderma and homolateral masseter spasm. Parisi L, et al. **Ital J Neurol Sci** 1987 Feb;8(1):63-5

Alternating unilateral jaw spasm due to metoclopramide [letter] Friedman JH. **J Neurol Neurosurg Psychiatry** 1986 Dec;49(12):1463

Use of magnetic resonance imaging for localization of a maxillofacial infection: report of a case. Fielding AF, et al. **J Oral Maxillofac Surg** 1987 Jun;45(6):548-50

The temporalis muscle flap for head and neck reconstruction. Birt BD, et al. **J Otolaryngol** 1987 Jun;16(3):179-84

Proliferative myositis of the masseter muscle. Scher N, et al. **Laryngoscope** 1987 May;97(5):591-3

[Masseter spasm as the presenting feature of malignant hyperpyrexia syndrome. A case report. Edge KR, et al. **S Afr J Surg** 1987 Mar;25(1):37-8

[Hematic cyst of the masseter. Apropos of 2 cases] Gordeeff A, et al. **Rev Stomatol Chir Maxillofac** 1986;87(3):179-83 (Eng. Abstr.) **(Fre)**

[Intramasseteric hemangioma: therapeutic problems] Michiels T, et al. **Rev Stomatol Chir Maxillofac** 1986;87(6):353-63 (Eng. Abstr.) **(Fre)**

[Use of the temporal muscle in the repair of radiodermatitis] Macripò G, et al. **Minerva Chir** 1987 Apr 15;42(7):659-62 (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

Effects of long-term intake of a fine-grained diet on the mouse masseter muscle. Maeda N, et al. **Acta Anat (Basel)** 1987;128(4):326-33

Correlations between the cross-sectional area of the jaw muscles and craniofacial size and shape. Weijs WA, et al. **Am J Phys Anthropol** 1986 Aug;70(4):423-31

The effects of tenotomy on the morphology of the rabbit digastric muscle. Waryjas RJ, et al. **J Dent Res** 1987 Mar; 66(3):802-4

Modern imaging of the masseter muscle: normal anatomy and pathosis on CT and MRI. Seltzer SE, et al. **Oral Surg Oral Med Oral Pathol** 1987 May;63(5):622-9

Separation of the masticator space from the parapharyngeal space. Curtin HD. **Radiology** 1987 Apr;163(1):195-204

Relationships of the muscles of mastication to the articular disc of the temporomandibular joint. Meyenberg K, et al. **Schweiz Monatsschr Zahnmed** 1986 Jun;96(6):815-34

[Functional morphology of the maxillo-mandibular apparatus in miniature MINI-LEWE swine. 1. Miniature swine in oro-anatomically-oriented research] Schumacher KU, et al. **Anat Anz** 1987;163(3):239-42 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Effect of ibuprofen on isometric contractions and associated pain of the human masseter muscle. Christensen LV. **Am J Orthod Dentofacial Orthop** 1987 Aug;92(2):144-50

Effect of inhibitory amino acid antagonists on masseteric reflex suppression during active sleep. Soja PJ, et al. **Exp Neurol** 1987 Apr;96(1):178-93

[Unilateral contracture of the denervated masseter muscle following the administration of succinylcholine: apropos of a case] Rubio Pascual P, et al. **Rev Esp Anestesiol Reanim** 1987 Mar-Apr;34(2):154-5 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

Critical periods in the prenatal morphogenesis of the human lateral pterygoid muscle, the mandibular condyle, the articular disk, and medial articular capsule. Van der Linden EJ, et al. **Am J Orthod Dentofacial Orthop** 1987 Jan; 91(1):22-8

GROWTH & DEVELOPMENT

[The influence of blood supply on craniofacial growth. 4. Reactions of the jaw musculature] Fanghänel J, et al. **Anat Anz** 1987;163(3):225-32 (Eng. Abstr.) **(Ger)**

INNERVATION

Changes in neuromuscular reflexes in the masseter muscles during functional jaw orthopedic treatment in children. Carels C, et al. **Am J Orthod Dentofacial Orthop** 1986 Nov; 90(5):410-9

Electrophysiological study of size and fibre distribution of motor units in the human masseter and temporal muscles. Stålberg E, et al. **Arch Oral Biol** 1986;31(8):521-7

Neural basis for initiation of rhythmic digastric activity upon midbrain stimulation in the guinea pig. Tal M. **Brain Res** 1987 May 12;411(1):58-64

Morphology of masticatory motoneurons stained intracellularly with horseradish peroxidase. Yoshida A, et al. **Brain Res** 1987 Jul 28;416(2):393-401

Developing muscle spindles in the mouse masseter muscle studied by electron microscopy. Ohkubo K. **Bull Tokyo Med Dent Univ** 1987 Mar;34(1):9-23

Reflex responses of motor units in human masseter muscle to electrical stimulation of the lip. Miles TS, et al. **Exp Brain Res** 1987;65(2):331-6

Decomposition of the human electromyogramme in an inhibitory reflex. Miles TS, et al. **Exp Brain Res** 1987; 65(2):337-42

Vidian neurectomy for crocodile tears. Kirtane MV, et al. **Indian J Ophthalmol** 1984 Jul-Aug;32(4):221-3

Transneuronal transport of wheat germ agglutinin-conjugated horseradish peroxidase into trigeminal interneurones of the rat. Appenteng K, et al. **J Comp Neurol** 1987 Apr 15;258(3):387-96

Organization of sensory neurons to the muscles of mastication in the cat. Martin JW, et al. **Neurosci Lett** 1986 Oct 20; 70(3):336-41

Innervation of facial skin but not masticatory muscles or the tongue by trigeminal primary afferents containing somatostatin in the rat. Ositelu DO, et al. **Neurosci Lett** 1987 Aug 5;78(3):271-6

A hierarchy of neural control of mastication in the rat. van Willigen JD, et al. **Neuroscience** 1986 Oct;19(2):447-55

[Applied anatomy of the masseteric nerve] Li XG. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jul;21(4):226-7, 254 (Eng. Abstr.) **(Chi)**

[Muscle spindle distribution of masticatory and prevertebral muscles with special reference to histological properties of pouch and biological significance in red kangaroo, Macropus rufus] Shimizu T. **Kokubyo Gakkai Zasshi** 1987 Mar;54(1):15-36 (Eng. Abstr.) **(Jpn)**

[Interhemispheric asymmetry of the motor representation of the facial musculature in the neocortex of the white mouse] Pronichev IV, et al. **Fiziol Zh SSSR** 1986 Oct; 72(10):1357-63 (Eng. Abstr.) **(Rus)**

METABOLISM

Protein breakdown in the masseter induced by amputation of lower incisor teeth in the rat. Murakami H, et al. **J Nihon Univ Sch Dent** 1986 Dec;28(4):227-31

PATHOLOGY

Histomorphometry of masticatory muscles in the muscular dystrophic mouse. Vilmann H, et al. **Acta Anat (Basel)** 1986; 127(4):303–7

Masseter muscle hypertrophy. Aetiology and therapy. Rosčević R. **J Maxillofac Surg** 1986 Dec;14(6):344–8

Familial hypertrophy of masticatory muscles. Martinelli P, et al. **J Neurol** 1987 May;234(4):251–3

Mandibular condylosis and apertognathia as presenting symptoms in progressive systemic sclerosis (scleroderma). Pattern of mandibular bony lesions and atrophy of masticatory muscles in PSS, presumably caused by affected muscular arteries. Ramon Y, et al.
Oral Surg Oral Med Oral Pathol 1987 Mar;63(3):269–74

[Case study of hydrocephalus. 2. Myometry] Terk B, et al.
Orthod Fr 1985;56(2):535–44 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Lateral pterygoid muscle activity in mandibular retrognathism and response to mandibular advancement surgery. Harper RP, et al.
Am J Orthod Dentofacial Orthop 1987 Jan;91(1):70–6

Loading patterns and jaw movements during mastication in Macaca fascicularis: a bone-strain, electromyographic, and cineradiographic analysis. Hylander WL, et al.
Am J Phys Anthropol 1987 Mar;72(3):287–314

Electromyographic power-spectrum changes during repeated fatiguing contractions of the human masseter muscle. Kroon GW, et al. **Arch Oral Biol** 1986;31(9):603–8

Oral motor functioning, frequency of swallowing and drooling in normal children and in children with cerebral palsy. Sochaniwskyj AE, et al. **Arch Phys Med Rehabil** 1986 Dec;67(12):866–74

An electromyographic analysis of jaw movements in man. Gay T, et al. **Electromyogr Clin Neurophysiol** 1986 Aug–Sep;26(5–6):365–84

EMG pattern of temporalis in normal occlusion. Ahlgren J. **Eur J Orthod** 1986 Aug;8(3):185–91

Unilateral section of the lateral pterygoid muscle in the growing rat does not alter condylar growth. Awn M, et al. **Eur J Orthod** 1987 May;9(2):122–8

The relationship between masticatory function and craniofacial morphology. II. A histological study in the growing rat fed a soft diet. Engström C, et al.
Eur J Orthod 1986 Nov;8(4):271–9

Changes in postural EMG activity in the neck and masticatory muscles following obstruction of the nasal airways. Hellsing E, et al. **Eur J Orthod** 1986 Nov; 8(4):247–53

Function of masticatory muscles during the initial phase of activator treatment. Ingervall B, et al. **Eur J Orthod** 1986 Aug;8(3):172–84

A pilot study of the effect of masticatory muscle training on facial growth in long-face children. Ingervall B, et al. **Eur J Orthod** 1987 Feb;9(1):15–23

Distribution of muscle activity during sleep in bruxism. Wieselmann G, et al. **Eur Neurol** 1986;25 Suppl 2:111–6

Responses of neurons in nucleus supratrigeminalis to sinusoidal jaw movements in the cat. Miyazaki R, et al. **Exp Neurol** 1987 Apr;96(1):145–57

Effect of experimentally elicited rhythmic oral activity on the linguodigastric reflex in the lightly anesthetized rabbit. Thexton AJ, et al. **Exp Neurol** 1987 Apr;96(1):104–17

Microcomputer methods for measuring the silent period of the masseter electromyogram after the jaw jerk reflex. Barker GR, et al. **J Dent** 1986 Apr;14(2):57–61

Chewing side preference and muscle quality in complete denture-wearing subjects. Devlin H, et al. **J Dent** 1987 Feb;15(1):23–5

Biofeedback and the mandibular rest position. Watkinson AC. **J Dent** 1987 Feb;15(1):16–22

Post-stimulus EMG complexes in the masseter muscle following gingival electrical stimulation in man. Carels C, et al. **J Oral Rehabil** 1986 Nov;13(6):611–8

A neurophysiological opinion on the two masseter silent periods. Cruccu G, et al. **J Oral Rehabil** 1987 Mar; 14(2):215–6

The amplitude distribution of electromyographic activity of masticatory muscles during unilateral chewing. Hagberg C. **J Oral Rehabil** 1986 Nov;13(6):567–74

Follow-up study of silent periods in complete denture wearers. Tallgren A, et al. **J Oral Rehabil** 1987 Jul; 14(4):345–53

Changes in jaw relations and activity of masticatory muscles in patients with immediate complete upper dentures. Tallgren A, et al. **J Oral Rehabil** 1986 Jul;13(4):311–24

The accelerative component of EMG in bite force development in man. Wastell DG, et al. **J Oral Rehabil** 1987 Mar;14(2):203–8

The mandibular rest position and electromyography--a review. Watkinson AC. **J Oral Rehabil** 1987 Mar; 14(2):209–14 (25 ref.)

The contribution of the deep fibers of the masseter muscle to selected tooth-clenching and chewing tasks. Belser UC, et al. **J Prosthet Dent** 1986 Nov;56(5):629–35

A standardized system for evoking masseteric silent periods with decreased variance. Koidis PT, et al.
J Prosthet Dent 1987 Jul;58(1):110–8

Influence of group function and canine guidance on electromyographic activity of elevator muscles. Manns A, et al. **J Prosthet Dent** 1987 Apr;57(4):494–501

Nocturnal electromyographic evaluation of masseter muscle activity in the complete denture patient. von Gonten AS, et al. **J Prosthet Dent** 1986 Nov;56(5):624–9

A review of masticatory muscle function. Wood WW.
J Prosthet Dent 1987 Feb;57(2):222–32 (42 ref.)

Reflex responses in human jaw, lip, and tongue muscles elicited by mechanical stimulation. Weber CM, et al.
J Speech Hear Res 1987 Mar;30(1):70–9

Speech-motor equivalence in aging subjects'. Rastatter MP, et al. **Percept Mot Skills** 1987 Apr;64(2):635–8

Styles of oroalimentary behavior: relationship with modulation of emotional behavior and myographic tension of the oral region. Ruggieri V, et al.
Percept Mot Skills 1987 Jun;64(3 Pt 2):1115–23

Electromyography and bite force studies of muscular function and dysfunction in masticatory muscles. Hagberg C. **Swed Dent J [Suppl]** 1986;37:1–64

Masticatory muscle function and craniofacial morphology. An experimental study in the growing rat fed a soft diet. Kiliaridis S. **Swed Dent J [Suppl]** 1986;36:1–55

Suprahyoid biomechanics and head posture. An electromyographic, videofluorographic and dynamographic study of hyo-mandibular function in man. Winnberg A. **Swed Dent J [Suppl]** 1987;46:1–173

[The influence of the masticatory muscles on craniofacial growth. A microsurgical study in the rat] Rahme J, et al.
Rev Stomatol Chir Maxillofac 1987;88(2):108–15 (Eng. Abstr.) **(Fre)**

[Arteriole reactions to rhythmic displacement of the fibers of the submaxillary muscle] Sonina RS, et al.
Biull Eksp Biol Med 1986 Dec;102(12):657–61 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Signs and symptoms of mandibular dysfunction in patients with suspected oral galvanism. Agerberg G.
Acta Odontol Scand 1987 Feb;45(1):41–8

Oculomasticatory myorhythmia: a unique movement disorder occurring in Whipple's disease. Schwartz MA, et al.
Ann Neurol 1986 Dec;20(6):677–83

Headache and dysfunction of the masticatory system in adolescents [published erratum appears in Cephalalgia 1987 Mar;7(1):following 81] Wänman A, et al. **Cephalalgia** 1986 Dec;6(4):247–55

Comparison of tests for dysfunction of the stomatognathic system. Duinkerke AS, et al.
Community Dent Oral Epidemiol 1986 Dec;14(6):334–7

The neuromuscular reaction to continuous dynamic jaw extension in cases with restricted mouth opening. Jeckel N, et al. **J Craniomaxillofac Surg** 1987 Apr;15(2):94–8

Masticatory muscle activity as a function of parafunctional, active and passive oral behavioural patterns. Moss RA, et al. **J Oral Rehabil** 1987 Jul;14(4):361–70

Electromyographic screening of myogenous and arthrogenous TMJ dysfunction patients. Naeije M, et al. **J Oral Rehabil** 1986 Sep;13(5):433–41

Quantitative electromyographic response to therapy for myo-oral facial pain: a pilot study. Balciunas BA, et al.
J Prosthet Dent 1987 Sep;58(3):366–9

Chewer's cheeks: a case of bilateral temporal muscle swelling. Van Lierde S. **Pediatr Emerg Care** 1985 Sep;1(3):136–7

EMG activity of the orbicularis oris superior, orbicularis oris inferior, and masseter muscles of a cleft-palate child. Olscamp R, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):679–82

EMG activity of orbicularis oris superior, orbicularis oris inferior, and masseter muscles of mild and moderate articulatory disordered children. Rastatter M, et al.
Percept Mot Skills 1987 Jun;64(3 Pt 1):725–6

EMG activity with the jaw fixed of orbicularis oris superior, orbicularis oris inferior and masseter muscles of mild and moderate articulatory disordered children. Rastatter M, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 2):1213–4

The influence of dental occlusion on electromyographic silent periods. Shiau YY, et al.
Proc Natl Sci Counc Repub China [B] 1987 Jan;11(1):72–9

EMG versus force relationship in painful masseter muscles before and after intramuscular anesthetics and saline injections. Hagberg C. **Scand J Dent Res** 1987 Jun; 95(3):259–65

[Significance of the electromyographic silent period of the temporal and masseteric muscles in the diagnosis of TMJ dysfunction syndrome] Guo QM.
Chung Hua Kou Chiang Ko Tsa Chih 1986 Jan;21(1):17–9 **(Chi)**

[Electromyography of the masticatory muscles in patients with malignant mouth neoplasms] Cianfriglia F, et al.
Minerva Stomatol 1986 Sep;35(9):869–74 (Eng. Abstr.) **(Ita)**

[Electromyographic study of the masticatory muscles in the treatment of mandibular fractures] Malyshev VA, et al.
Voen Med Zh 1986 Aug;(8):50–1 **(Rus)**

RADIOGRAPHY

Computed tomographic findings in patients with limited jaw movement due to myositis ossificans progressiva. Nunnelly JF, et al. **J Oral Maxillofac Surg** 1986 Oct;44(10):818–21

SURGERY

Temporalis muscle flap for the otologist. McGee M.
Am J Otol 1986 Nov;7(6):409–13

Masseter muscle cross over flap in primary closure of oral-oropharyngeal defects. Tiwari R. **J Laryngol Otol** 1987 Feb;101(2):172–8

TRANSPLANTATION

The temporalis muscle flap for intraoral reconstruction. Koranda FC, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jul;113(7):740–3

Mandibular reconstruction by myo-osseous (temporalis muscle/outer table of skull) flap. Kumar P, et al.
Br J Oral Maxillofac Surg 1987 Feb;25(1):9–14

A new muscle transplantation operation for orbitoplasty after total maxillectomy: report of case. Ghosh P, et al.
J Oral Maxillofac Surg 1987 Jan;45(1):76–9

ULTRASTRUCTURE

Amianthoid fibres in muscle tissue associated with temporomandibular joint ankylosis. el-Labban NG, et al.
Ultrastruct Pathol 1986;10(6):571–6

MASTICATORY SYSTEM see **STOMATOGNATHIC SYSTEM**

MASTIGOMYCOTINA

Experimental infection of Anopheles subpictus larvae by Coelomomyces indicus in vivo. Manonmani AM, et al.
Indian J Med Res 1987 Apr;85:380–4

CLASSIFICATION

Pythium insidiosum sp. nov., the etiologic agent of pythiosis. De Cock AW, et al. **J Clin Microbiol** 1987 Feb;25(2):344–9

CYTOLOGY

A comparative study of the morphology and viability of hyphae of Penicillium expansum and Phytophthora nicotianae during freezing and thawing. Smith D, et al.
J Gen Microbiol 1986 Jul;132 (Pt 7):2013–21

ENZYMOLOGY

Further investigations of race:cultivar-specific induction of enzymes related to phytoalexin biosynthesis in soybean roots following infection with Phytophthora megasperma f.sp. glycinea. Bonhoff A, et al.
Biol Chem Hoppe Seyler 1986 Aug;367(8):797–802

GENETICS

Phylogenetic relationships between chlorophytes, chrysophytes, and oomycetes. Gunderson JH, et al.
Proc Natl Acad Sci USA 1987 Aug;84(16):5823–7

GROWTH & DEVELOPMENT

Life cycle and mode of infection of Leptolegnia chapmanii (Oomycetes) parasitizing Aedes aegypti. Zattau WC, et al.
J Invertebr Pathol 1987 Sep;50(2):134–45

ISOLATION & PURIFICATION

Pythium destruens sp. nov., an agent of equine pythiosis. Shipton WA. **J Med Vet Mycol** 1987 Jun;25(3):137–51

METABOLISM

Acquisition of thermotolerance during development of Blastocladiella emersonii. Silva AM, et al.
Biochem Biophys Res Commun 1987 Apr 14;144(1):491–8

Differential expression of heat-shock proteins and spontaneous synthesis of HSP70 during the life cycle of Blastocladiella emersonii. Bonato MC, et al.
Eur J Biochem 1987 Feb 16;163(1):211–20

PHYSIOLOGY

Differential response of cultured parsley cells to elicitors from two non-pathogenic strains of fungi. Microsomal conversion of (+)marmesin into psoralen. Wendorff H, et al. **Eur J Biochem** 1986 Dec 1;161(2):391–8

Susceptibility of mosquito larvae to Leptolegnia sp. Nnakumusana ES. **Indian J Med Res** 1986 Dec;84:586–93

The effects of larval density, temperature and pH on the culture growth and infectivity of Saprolegnian sp. zoospores to Aedes aegypti larvae at various instars in the laboratory. Nnakumusana ES. **Indian J Med Sci** 1986 Mar; 40(3):57–62

Histological studies of the infection of a non sexual Saprolegnia sp(Oomycetes: Saprolegnia ceae) on some mosquito larvae. Nnakumusana ES. **Indian J Med Sci** 1986 Mar;40(3):63–8

Changes in the pattern of protein synthesis during zoospore germination in Blastocladiella emersonii. Silva AM, et al.
J Bacteriol 1987 May;169(5):2069–78

Structure and behavior of the meiospore of Coelomomyces dodgei during encystment on the copepod host, Acanthocyclops vernalis. Federici BA, et al.
J Invertebr Pathol 1986 Nov;48(3):259–68

Host age as a determinant of infection rates with the mosquito pathogen Lagenidium giganteum (Oomycetes: Lagenidiales). Lord JC, et al. **J Invertebr Pathol** 1987 Jul; 50(1):70–1

Eicosanoid regulation of oosporogenesis by Lagenidium giganteum. Kerwin JL, et al.

Prostaglandins Leukotrienes Med 1986 Aug;23(2-3):173-8

MASTIGOPHORA

ENZYMOLOGY

Comparative study of ferredoxin-linked and oxygen-metabolizing enzymes of trichomonads. Thong KW, et al. **Comp Biochem Physiol [B]** 1987;87(3):637-41

Trichomonas species: homocysteine desulphurase and serine sulphydrase activities. Thong KW, et al. **Exp Parasitol** 1987 Apr;63(2):143-51

Phosphomonoesterases of Leishmania mexicana mexicana and other flagellates. Hassan HF, et al. **Mol Biochem Parasitol** 1987 Apr;23(3):285-96

The use of a highly sensitive electrophoretic method to compare the proteinases of trichomonads. Lockwood BC, et al. **Mol Biochem Parasitol** 1987 May;24(1):89-95

GROWTH & DEVELOPMENT

Multiple loop purification method for selective cultivation of Pentatrichomonas hominis. Chao D, et al. **Proc Natl Sci Counc Repub China [B]** 1987 Jan;11(1):54-8

METABOLISM

S-adenosylmethionine and transmethylation reactions in trichomonads. Thong KW, et al. **Parasitol Res** 1987; 73(3):193-8

MASTITIS

Staphylococcal scalded skin syndrome in a breast-fed infant. Katzman DK, et al. **Pediatr Infect Dis J** 1987 Mar; 6(3):295-6

BLOOD

[Protein metabolic disorders in patients with suppurative lactation mastitis] Konstantinov VK, et al. **Vestn Khir** 1986 Oct;137(10):53-6 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Mammillary fistula [letter] Dixon JM, et al. **Lancet** 1986 Nov 1;2(8514):1045

DIAGNOSIS

Juxta-areolar mastitis. Kummer EW. **Neth J Surg** 1987 Apr; 39(2):55-8

Tuberculous mastitis: a continuing problem. Banerjee SN, et al. **World J Surg** 1987 Feb;11(1):105-9

[Prognostic value of the pH of the milk of parturients with mastitis with respect to the course of the healing process] Pranchev N, et al. **Akush Ginekol (Sofiia)** 1987;26(3):38-41 (Eng. Abstr.) **(Bul)**

[Tuberculosis of the female breast: diagnostic clarification] Helmer M, et al. **Rontgenblatter** 1986 Dec;39(12):357-9 (Eng. Abstr.) **(Ger)**

[Tuberculosis of the breast] Głuszek S, et al. **Pol Tyg Lek** 1986 Sep 1;41(35):1113-5 (Eng. Abstr.) **(Pol)**

[Tuberculosis of the breast] Volkova KI, et al. **Probl Tuberk** 1986;(11):61-2 **(Rus)**

DRUG THERAPY

Flunixin fails to enhance cloxacillin in treatment of experimental staphylococcal mastitis in mice. Anderson JC. **J Vet Pharmacol Ther** 1986 Sep;9(3):333-6

The effect of incorporation of cloxacillin in liposomes on treatment of experimental staphylococcal mastitis in mice. Anderson JC, et al. **J Vet Pharmacol Ther** 1986 Sep; 9(3):303-9

[Clinical studies on cefuroxime axetil in acute mastitis] Nakamura T, et al. **Jpn J Antibiot** 1987 Feb;40(2):340-8 (Eng. Abstr.) **(Jpn)**

[Study on cefotiam in the perinatal period] Takase Z, et al. **Jpn J Antibiot** 1986 Sep;39(9):2534-42 (Eng. Abstr.) **(Jpn)**

[Lymphotropic antibiotic therapy] Levin IuM, et al. **Khirurgiia (Mosk)** 1987 Jan;(1):72-6 (Eng. Abstr.) **(Rus)**

[Parlodel in lactation mastitis] Dolzhikov AL, et al. **Sov Med** 1986;(8):115-6 **(Rus)**

ETIOLOGY

[Etiopathogenetic classification of factors involved in the development and growth of breast infections in the puerperium] Pranchev N. **Akush Ginekol (Sofiia)** 1986; 25(6):1-4 (Eng. Abstr.) **(Bul)**

IMMUNOLOGY

[Immunologic status and leukocyte function of patients with suppurative lactational mastitis] Mel'nikova VN, et al. **Vestn Khir** 1986 Dec;137(12):47-50 (Eng. Abstr.) **(Rus)**

METABOLISM

[The concentration of oxacillin and ampicillin (Penstabil) in serum and mother's milk in puerperal mastitis] Peiker G, et al. **Pharmazie** 1986 Nov;41(11):793-5 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Fungal mastitis. Case report. Walia HS, et al. **Acta Chir Scand** 1987 Feb;153(2):133-5

[Detection of fungi in breast secretions] Wunderlich M. **Mykosen** 1979 Apr;22(4):115-7 (Eng. Abstr.) **(Ger)**

OCCURRENCE

[Riskogram for postpartum mastitis] Pranchev N. **Akush Ginekol (Sofiia)** 1986;25(6):4-7 (Eng. Abstr.) **(Bul)**

PATHOLOGY

Locally dividing macrophages in normal and inflamed mammary glands. Jutila MA, et al. **Clin Exp Immunol** 1986 Dec;66(3):615-24

Granulomatous lobular mastitis. Going JJ, et al. **J Clin Pathol** 1987 May;40(5):535-40

[Granulomatous lesions of the breast. Their role in inflammatory breast pathology and their relations to lobular granulomatous mastitis] Tournemaine N, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(1):75-83 (Eng. Abstr.) **(Fre)**

[Recurrent mastitis with an unusual etiology] Umbach GE, et al. **Geburtshilfe Frauenheilkd** 1986 Oct;46(10):748-9 (Eng. Abstr.) **(Ger)**

[Immunohistochemical studies of cell differentiation in non-puerperal chronic granulomatous mastitis] Katzer B, et al. **Verh Dtsch Ges Pathol** 1986;70:257-61 (Eng. Abstr.) **(Ger)**

[Application of the clinical diagnostic index in breast swellings] Gallo A, et al. **Minerva Chir** 1987 Jun 30; 42(12):1049-51 (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

[Electrical impulse currents as a means of preventing delayed lactation mastitis] Karimov ZD, et al. **Akush Ginekol (Mosk)** 1986 Aug;(8):33-5 (Eng. Abstr.) **(Rus)**

RADIOTHERAPY

Locally advanced breast cancer with inflammatory component: a clinical entity with a poor prognosis. Piera JM, et al. **Radiother Oncol** 1986 Nov;7(3):199-204

SURGERY

[Health status of women having undergone surgical treatment in acute suppurative lactation mastitis] Storozhuk VT, et al. **Akush Ginekol (Mosk)** 1986 Aug;(8):58-9 **(Rus)**

[Treatment and surgical rehabilitation of patients with acute suppurative mastitis (review of the literature)] Vishnevskii AA, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):136-9 (70 ref.) **(Rus)**

[Vacuum therapy in the treatment of suppurative lactation mastitis] Davydov IuA, et al. **Vestn Khir** 1986 Nov; 137(11):66-70 (Eng. Abstr.) **(Rus)**

[Results of mastitis] Luk'ianov LM, et al. **Vestn Khir** 1986 Sep;137(9):136 **(Rus)**

THERAPY

[Principles of the organization of ambulatory care in puerperal mastitis] Volkov NA. **Akush Ginekol (Mosk)** 1987 Apr;(4):57-61 (Eng. Abstr.) **(Rus)**

VETERINARY

Risk factors associated with mastitis in dairy goats. East NE, et al. **Am J Vet Res** 1987 May;48(5):776-9

Isolation and identification of Mycoplasma agalactiae from mastitic goats in the Sudan. el Hassan SM, et al. **Br Vet J** 1986 May-Jun;142(3):289-90

Microbial pathogens from goat mastitis and phage-typing of Staphylococcus aureus isolates. Al-Graibawi MA, et al. **Comp Immunol Microbiol Infect Dis** 1986;9(1):23-8

Chronic obstructive mastitis in the camel. A clinicopathological study. Ramadan RO, et al. **Cornell Vet** 1987 Apr;77(2):132-50

Mycoplasma californicum mastitis in ewes as an experimental model for antibiotic treatment. Ball HJ, et al. **Epidemiol Infect** 1987 Jun;98(3):369-78

Desensitization of the acute inflammatory response in skin and mammary gland of sheep. Maas PJ, et al. **Immunology** 1987 Jun;61(2):215-9

Identification of a Streptococcus agalactiae protein antigen associated with bovine mastitis isolates. Wanger AR, et al. **Infect Immun** 1987 May;55(5):1170-5

Use of enzyme-linked immunosorbent assay to measure bovine milk and serum antibodies to alpha toxin, beta toxin, and capsuiar antigens of Staphylococcus aureus. Loeffler DA, et al. **Vet Immunol Immunopathol** 1987 Feb; 14(2):145-56

Pathology of experimental ureaplasma mastitis in ewes. Kennedy S, et al. **Vet Pathol** 1987 Jul;24(4):302-7

Caprine mycoplasmosis: an outbreak of mastitis and arthritis requiring the destruction of 700 goats. DaMassa AJ, et al. **Vet Rec** 1987 Apr 25;120(17):409-13

Pseudomonas aeruginosa mastitis in a Sabi ewe. Honhold N, et al. **Vet Rec** 1987 Jan 3;120(1):16

[Microbial etiology of the MMA syndrome (mastitis-metritis-agalactia) in swine raised commercially] Korudzhiiski N, et al. **Vet Med Nauki** 1987;24(5):11-5 (Eng. Abstr.) **(Bul)**

[Specific prophylaxis of gangrenous mastitis in sheep] Masalski N, et al. **Vet Med Nauki** 1986;23(7):28-32 (Eng. Abstr.) **(Bul)**

[Iatrogenic udder inflammation in sheep (letter)] Oldenkamp EP. **Tijdschr Diergeneeskd** 1987 Jul 15;112(14):871 **(Dut)**

[Iatrogenic mastitis in sheep] Roumen MP, et al. **Tijdschr Diergeneeskd** 1987 May 1;112(9):513-8 (Eng. Abstr.) **(Dut)**

MASTITIS, BOVINE

BLOOD

Chemotactic factors for bovine neutrophils in relation to mastitis. Craven N. **Comp Immunol Microbiol Infect Dis** 1986;9(1):29-36

Pharmacokinetic profile of tylosin in mastitic cows. el-Sayed MG, et al. **DTW** 1986 Jul 23;93(7):326-8

Acute phase response and mastitis in the cow. Conner JG, et al. **Res Vet Sci** 1986 Jul;41(1):126-8

[Continuing eco-pathological survey: 8. Epidemiological approach to postpartum mastitis in the dairy cow: discriminating biochemical parameters] Faye B, et al. **Ann Rech Vet** 1986;17(3):313-20 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Enzyme-linked immunosorbent assay for detection of Mycoplasma californicum-specific antibody in bovine serum: optimization of assay determinants and control of serologic cross-reactions. Thomas CB, et al. **Am J Vet Res** 1987 Apr;48(4):590-5

Discriminant analysis of the clinical indicants for bovine coliform mastitis. White ME, et al. **Cornell Vet** 1986 Oct; 76(4):335-41

Accuracy of a discriminant analysis model for prediction of coliform mastitis in dairy cows and a comparison with clinical prediction. White ME, et al. **Cornell Vet** 1986 Oct; 76(4):342-7

Analysis of the clinical findings used to diagnose coliform mastitis in dairy cows, and comparison to a prediction model. White ME, et al. **Cornell Vet** 1987 Jan;77(1):13-20

Comparison of some screening tests for detecting mastitis. Emanuelson U, et al. **J Dairy Sci** 1987 Apr;70(4):880-7

Detection of bovine mastitis by bromothymol blue pH indicator test. Marschke RJ, et al. **J Dairy Sci** 1985 May; 68(5):1263-9

The prevalence of teat canal infections in lactating dairy cows as determined from foremilk and teat canal swab samples. du Preez JH. **J S Afr Vet Assoc** 1986 Dec;57(4):193-8

Comparison of various criteria for determining the health status of the bovine udder. Du Preez JH. **J S Afr Vet Assoc** 1987 Mar;58(1):9-14

Pathogenesis of subclinical bovine mastitis: diagnostic and dynamic characteristics of various subclinical udder conditions monitored by means of the International Dairy Federation criteria. Giesecke WH, et al. **J S Afr Vet Assoc** 1986 Jun;57(2):87-90

Pathogenesis of subclinical bovine mastitis: persistence, deterioration and improvement of various subclinical conditions monitored by means of the International Dairy Federation/Bovine Serum Albumin criteria. Giesecke WH, et al. **J S Afr Vet Assoc** 1986 Jun;57(2):95-101

The potential use of cell count linear scores in veterinary herd health and production control on dairy farms. A preliminary report. Noordhuizen JP, et al. **Vet Q** 1987 Jan; 9(1):60-6

DRUG THERAPY

A study of the efficacy of intramammary antibiotics in the treatment of clinical mastitis. Aungier SP, et al. **Br Vet J** 1987 Jan-Feb;143(1):88-90

Susceptibility of Escherichia coli from bovine mastitis to new antimicrobial drugs [letter] Muckle CA, et al. **Can J Vet Res** 1986 Oct;50(4):543-4

Treatment of Streptococcus agalactiae mastitis in dairy cows: comparative efficacies of two antibiotic preparations and factors associated with successful treatment. Weaver LD, et al. **J Am Vet Med Assoc** 1986 Sep 15;189(6):666-9

Determining animal drug combinations based on efficacy and safety. Kratzer DD, et al. **J Dairy Sci** 1986 Aug; 69(8):2214-8

Treatment of Candida krusei mastitis with sulphamethoxypyridazine [letter] Mackie DP, et al. **Vet Rec** 1987 Jan 10;120(2):48

[Treatment of acute mastitis in cattle. 1. Therapeutic use of glucose solutions] Reinhold P, et al. **Arch Exp Veterinarmed** 1986 Jul;40(4):627-38 (Eng. Abstr.) **(Ger)**

[The resistance status of the most important mastitis pathogens in cattle] Schaeren W, et al. **Schweiz Arch Tierheilkd** 1986 Aug;128(8):401-6 (Eng. Abstr.) **(Ger)**

[Use of Oxymycoin and Chronicin foam in the nonselective care of udders of dry dairy cows] Vasil' M. **Vet Med (Praha)** 1986 Oct;31(10):587-92 (Eng. Abstr.) **(Slo)**

ENZYMOLOGY

Changes in N-acetyl-B-D-glucosaminidase and B-glucuronidase activities in milk during bovine mastitis.

Nagahata H, et al. **Can J Vet Res** 1987 Jan;51(1):126–34
Effect of subclinical mastitis on milk plasminogen and plasmin compared with that on sodium, antitrypsin and N-acetyl-beta-D-glucosaminidase. Schaar J, et al. **J Dairy Res** 1986 Nov;53(4):515–28
Regulation of plasmin activation in mastitic milk. Correlation with inflammatory markers and growth of Streptococcus agalactiae. Kaartinen L, et al. **Zentralbl Veterinarmed [B]** 1987 Feb;34(1):42–50
Milk antitrypsin, NAGase, plasmin and bacterial replication rate in whey. Effects of lactation stage, parity and daily milk yield. Mattila T, et al. **Zentralbl Veterinarmed [B]** 1986 Aug;33(6):462–70

ETIOLOGY

Serratia liquefaciens mastitis in a dairy herd. Bowman GL, et al. **J Am Vet Med Assoc** 1986 Oct 15;189(8):913–5
Pathogenesis of subclinical bovine mastitis: a comparison of the dynamic balances of various subclinical udder health states monitored by means of single-, double- and triple-parameter laboratory techniques. Giesecke WH, et al. **J S Afr Vet Assoc** 1986 Sep;57(3):139–43
Cow milk yield and composition before development of Escherichia coli mastitis. Jones TO, et al. **Vet Rec** 1986 Sep 27;119(13):319–21
Staphylococcal toxic shock syndrome [letter] Jones TO, et al. **Vet Rec** 1986 Oct 25;119(17):435–6
[Klebsiella pneumoniae mastitis as a dairying problem] Vecht U, et al. **Tijdschr Diergeneeskd** 1987 Jun 1;112(11):653–9 (Eng. Abstr.) **(Dut)**
[Pathogenetic effect of strains of specific Escherichia coli serogroups on the development of mastitis in cows. I. Clinical course] Malinowski E. **Pol Arch Weter** 1984; 24(2):173–86 (Eng. Abstr.) **(Pol)**
[Pathogenic effect of strains of specific serogroups of Escherichia coli on the development of bovine mastitis. III. Blood changes] Malinowski E. **Pol Arch Weter** 1986; 24(3):339–51 (Eng. Abstr.) **(Pol)**
[Effect of various environmental factors on the development of mastitis in cows and the implementation of a control program] Prost J. **Pol Arch Weter** 1984;24(1):97–116 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Potential of somatic cell concentration in milk as a sire selection criterion to reduce mastitis in dairy cattle. Coffey EM, et al. **J Dairy Sci** 1986 Aug;69(8):2163–72
[Similarity in the incidence of mastitis in the daughters of related bulls] Št'avíková M, et al. **Vet Med (Praha)** 1986 Nov;31(11):643–50 (Eng. Abstr.) **(Cze)**

IMMUNOLOGY

Endotoxin-induced bovine mastitis: immunoglobulins, phagocytosis, and effect of flunixin meglumine. Anderson KL, et al. **Am J Vet Res** 1986 Nov;47(11):2405–10
Distribution of antibody in different immunoglobulin classes in experimental Streptococcus agalactiae infection of the bovine udder. Logan EF, et al. **Br Vet J** 1986 Jul-Aug; 142(4):358–63
Cells found in non-infected and staphylococcus-infected bovine mammary quarters and their ability to phagocytose fluorescent microspheres. Concha C, et al. **Zentralbl Veterinarmed [B]** 1986 Jun;33(5):371–8
[Milk cell count as a selection criterion in breeding dairy cattle with improved resistance to mastitis] Vecht U, et al. **Tijdschr Diergeneeskd** 1987 May 15;112(10):598–603 (Eng. Abstr.) **(Dut)**

METABOLISM

Level and distribution of progesterone in bovine milk: effects of mastitis and milk composition. Laitinen JT. **Br Vet J** 1986 Nov-Dec;142(6):562–8
Possible roles of vitamin E and glutathione metabolism in bovine mastitis. Atroshi F, et al. **Int J Vitam Nutr Res** 1987;57(1):37–43
The effect of mastitis on milk progesterone concentration in dairy cows. Kassa T, et al. **Nord Vet Med** 1986 Nov-Dec; 38(6):352–9
Milk prostaglandins and electrical conductivity in bovine mastitis. Atroshi F, et al. **Vet Res Commun** 1987;11(1):15–22

MICROBIOLOGY

Experimental Bacillus cereus mastitis in cows. Horváth G, et al. **Acta Vet Hung** 1986;34(1–2):29–35
Effect of intramammary devices on the outcome of induced Escherichia coli infection of bovine mammary quarters. Bright SA, et al. **Am J Vet Res** 1987 Aug;48(8):1290–4
Experimental infection of lactating bovine mammary glands with Streptococcus uberis in quarters colonized by Corynebacterium bovis. Doane RM, et al. **Am J Vet Res** 1987 May;48(5):749–54
Comparison of four test procedures to identify Staphylococcus aureus isolated from bovine intramammary infections. Hogan JS, et al. **Am J Vet Res** 1986 Sep; 47(9):2017–9
Characterization and identification of Mycobacterium smegmatis in bovine mastitis. Schultze WD, et al. **Am J Vet Res** 1987 May;48(5):739–42
Mastitis and milk production in cattle in a communal land of Zimbabwe. Perry BD, et al. **Br Vet J** 1987 Jan-Feb; 143(1):44–50
The resemblance of clinical attributes between mastitic cows with no growth on bacterial milk cultures and those with gram-positive bacteria cultured. White ME, et al. **Can J Vet Res** 1987 Apr;51(2):181–4
Relationship between mastitis pathogen numbers in bulk tank milk and bovine udder infections in California dairy herds. Gonzalez RN, et al. **J Am Vet Med Assoc** 1986 Aug 15; 189(4):442–5
Aerobic blood culturing in cows with coliform mastitis. Powers MS, et al. **J Am Vet Med Assoc** 1986 Aug 15; 189(4):440–1
Cell surface hydrophobicity and charge of Staphylococcus aureus and coagulase-negative staphylococci from bovine mastitis. Mamo W, et al. **J Appl Bacteriol** 1987 Mar; 62(3):241–9
Rapid differentiation of streptococci isolated from cows with mastitis. Schaufuss P, et al. **J Clin Microbiol** 1986 Dec; 24(6):1098–9
Phage typing of Staphylococcus aureus associated with subclinical bovine mastitis. Mackie DP, et al. **J Dairy Res** 1987 Feb;54(1):1–5
Influence of the lactoperoxidase system on susceptibility of the udder to Streptococcus uberis infection. Marshall VM, et al. **J Dairy Res** 1986 Nov;53(4):507–14
Influence of mastitis on growth of starter organisms used for the manufacture of fermented milks. Okello-Uma I, et al. **J Dairy Res** 1986 Nov;53(4):631–7
In vitro growth of mastitis pathogens in mammary secretions of the dry and peripartum periods. Dutt KW, et al. **J Dairy Sci** 1986 Sep;69(9):2408–15
Growth inhibition of mastitis pathogens by long-chain fatty acids. Hogan JS, et al. **J Dairy Sci** 1987 May;70(5):927–34
Examination of intramammary devices from infected and uninfected mammary quarters by scanning electron microscopy. Paape MJ, et al. **J Dairy Sci** 1987 May; 70(5):1045–53
Isolation of Bacillus subtilis in connection with bovine mastitis. Fossum K, et al. **Nord Vet Med** 1986 Jul-Aug; 38(4):233–6
Bacteriostatic activity of bovine lactoferrin in mastitic milk. Rainard P. **Vet Microbiol** 1987 Feb;13(2):159–66
Bacteriology of summer mastitis secretions from cattle in Eire. Egan J. **Vet Rec** 1986 Oct 4;119(14):358
Teat factors in E coli mastitis [letter] Jones TO. **Vet Rec** 1986 Sep 6;119(10):254
Isolation of Mycoplasma capricolum from cows with mastitis. Taoudi A, et al. **Vet Rec** 1986 Sep 6;119(10):247
Phagetypes of human and bovine Streptococcus agalactiae isolates in Slovenia. Brglez I, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Jul; 182(4):401–6
[Pathogenetic effect of strains of specific Escherichia coli serogroups on the development of mastitis in cows. II. Milk changes] Malinowski E. **Pol Arch Weter** 1984;24(2):187–203 (Eng. Abstr.) **(Pol)**

OCCURRENCE

An epidemiological and genetic study on registered diseases in Finnish Ayrshire cattle. IV. Clinical mastitis. Syväjärvi J, et al. **Acta Vet Scand** 1986;27(2):223–34
Blood selenium concentrations and glutathione peroxidase activities in diary herds with high and low somatic cell counts. Erskine RJ, et al. **J Am Vet Med Assoc** 1987 Jun 1;190(11):1417–21
Herd management and prevalence of mastitis in dairy herds with high and low somatic cell counts. Erskine RJ, et al. **J Am Vet Med Assoc** 1987 Jun 1;190(11):1411–6
Epidemiology of teat lesions in a dairy herd. II. Associations with subclinical mastitis. Agger JF, et al. **Nord Vet Med** 1986 Jul-Aug;38(4):220–32
An assessment of the economic benefits of a mastitis control scheme. Blowey RW. **Vet Rec** 1986 Nov 29;119(22):551–3
Summer mastitis prevalence in selected herds in the Irish Republic. Egan J. **Vet Rec** 1986 Dec 6;119(23):577–8
Mycoplasma californicum mastitis in the dry dairy cow. Mackie DP, et al. **Vet Rec** 1986 Oct 4;119(14):350–1
Pasteurella septica (multocida) mastitis in a dairy herd. Pepper TA, et al. **Vet Rec** 1968 Aug 31;83(9):211–5
[Continuing eco-pathological survey: 4. Demonstration of pathologic associations in dairy cow stock: herd data] Faye B, et al. **Ann Rech Vet** 1986;17(3):257–64 (Eng. Abstr.) **(Fre)**
[Continuing eco-pathological survey: 7. Epidemiological approach to postpartum mastitis in the dairy cow: descriptive study and typology of the herd] Faye B, et al. **Ann Rech Vet** 1986;17(3):297–311 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Gross and histopathological study of experimental Mycoplasma mastitis of cattle. Mészáros MJ, et al. **Acta Vet Hung** 1986;34(3–4):201–9
Hyperacute Escherichia coli mastitis of cattle in the immediate post-partum period. Frost AJ, et al. **Aust Vet J** 1986 Oct;63(10):327–31
Cell cultures derived from bovine mammary ductular epithelium for the investigation of mastitis. Sastrowidjojo S, et al. **Aust Vet J** 1986 Jun;63(6):194

PHYSIOPATHOLOGY

Inhibition of lacteal leukocyte phagocytosis by colostrum, nonlactating secretion, and mastitic milk. Targowski SP, et al. **Am J Vet Res** 1986 Sep;47(9):1940–5
Physiological and pathological factors influencing bovine alpha-lactalbumin and beta-lactoglobulin concentrations in milk. Caffin JP, et al. **J Dairy Sci** 1985 May;68(5):1087–94
Possible role of sialic acid in bovine mastitis with particular reference to milk electrical conductivity. Atroshi F, et al. **Zentralbl Veterinarmed [B]** 1986 Oct;33(8):620–7

PREVENTION & CONTROL

Experimental intramammary inoculation with Mycoplasma bovis in vaccinated and unvaccinated cows: effect on milk production and milk quality. Boothby JT, et al. **Can J Vet Res** 1986 Apr;50(2):200–4
Benefits and costs of a control program for an epizootic of Staphylococcus aureus mastitis. Goodger WJ, et al. **J Am Vet Med Assoc** 1987 May 15;190(10):1284–7
Natural protective factors in bovine mammary secretions following different methods of milk cessation. Bushe T, et al. **J Dairy Sci** 1987 Mar;70(3):696–704
Effects of teat dipping on intramammary infections by staphylococci other than Staphylococcus aureus. Hogan JS, et al. **J Dairy Sci** 1987 Apr;70(4):873–9
Mastitis, the non-antibiotic approach to control. Hill AW. **Soc Appl Bacteriol Symp Ser** 1986;15:93S–103S (57 ref.)
[The control of flies and the prevention of summer mastitis in grazing cattle using pyrethroids in different forms of application] Liebisch A. **DTW** 1987 Apr 8;94(4):207–13 (Eng. Abstr.) **(Ger)**

THERAPY

[What is the therapy for udder injuries?] **Tijdschr Diergeneeskd** 1987 Jul 15;112(14):868–9 **(Dut)**
[Treatment of acute mastitis of cattle. 2. Udder tolerance of glucose solutions] Reinhold P, et al. **Arch Exp Veterinarmed** 1987 Jan;41(1):104–13 (Eng. Abstr.) **(Ger)**

MASTITIS, CYSTIC see **FIBROCYSTIC DISEASE OF BREAST**

MASTOCYTOMA, BENIGN see **MASTOCYTOSIS**

MASTOCYTOMA, MALIGNANT see **SARCOMA, MAST CELL**

MASTOCYTOSIS

Mastocytosis: one year's experience. Burklow SL, et al. **South Med J** 1987 Jan;80(1):51–4

COMPLICATIONS

Hypotensive attacks due to systemic mastocytosis. François B, et al. **Acta Clin Belg** 1987;42(1):53–7
Sudden intraoperative hypotension in a patient with asymptomatic urticaria pigmentosa. Hosking MP, et al. **Anesth Analg** 1987 Apr;66(4):344–6
Intractable ascites in systemic mastocytosis treated by portal diversion. Bonnet P, et al. **Dig Dis Sci** 1987 Feb; 32(2):209–13
[Crow-Fukase syndrome (POEMS syndrome) and osseous mastocytosis secondary to Castleman's angiofollicular lymphoid hyperplasia] Lapresle J, et al. **Rev Neurol (Paris)** 1986;142(10):731–7 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Painful orbital inflammatory lesions and mastocytosis. Jacoby BG, et al. **Ann Ophthalmol** 1987 Apr;19(4):146–7, 149
An elderly gentleman with systemic mastocytosis. Rousseau PC, et al. **J Am Geriatr Soc** 1987 Aug;35(8):821–2
Tryptase levels as an indicator of mast-cell activation in systemic anaphylaxis and mastocytosis. Schwartz LB, et al. **N Engl J Med** 1987 Jun 25;316(26):1622–6
[Hepatomegaly with portal hypertension indicative of systemic mastocytosis] Le Jeunne C, et al. **Rev Med Interne** 1986 May;7(3):253–7 (Eng. Abstr.) **(Fre)**
[Diffuse cutaneous Degos mastocytosis in an infant. 2] Hums R, et al. **Dermatol Monatsschr** 1987;173(4):210–5 **(Ger)**

DRUG THERAPY

Systemic mastocytosis: management of an unusual case with histamine (H1 and H2) antagonists and cyclooxygenase inhibition. Crawhall JC, et al. **Clin Invest Med** 1987 Jan; 10(1):1–4

ETIOLOGY

Mastocytoma induced by cigarette smoke particulates: "cigarette tar". Tanaka T, et al. **Arch Dermatol Res** 1986; 279(2):130–5
Suppression of mucosal mastocytosis by infection with the intestinal nematode Nematospiroides dubius. Dehlawi MS, et al. **Parasite Immunol** 1987 Mar;9(2):187–94

METABOLISM

Long-term follow-up of histamine turnover in mastocytosis. Roupe G, et al. **Int Arch Allergy Appl Immunol** 1987; 82(1):62–5

In vitro functional reactivities of cutaneous mast cells from patients with mastocytosis. Tharp MD, et al. **J Invest Dermatol** 1987 Sep;89(3):264–8

PATHOLOGY

Systemic mastocytosis without cutaneous involvement. Katsuda S, et al. **Acta Pathol Jpn** 1987 Jan;37(1):167–77

Mastocytosis with malabsorption, myelofibrosis, and massive ascites. Reisberg IR, et al. **Am J Gastroenterol** 1987 Jan; 82(1):54–60

Mastocytosis: a review. Stein DH. **Pediatr Dermatol** 1986 Nov;3(5):365–75 (55 ref.)

[2 cases of mastocytoma] Kalamkarian AA, et al. **Vrach Delo** 1986 Nov;(11):97–100 **(Rus)**

RADIOGRAPHY

Case report 412: Systemic mastocytosis. Meister HP, et al. **Skeletal Radiol** 1987;16(2):158–62

URINE

Urine eosinophil cationic protein in painful bladder disease. Lose G, et al. **Br J Urol** 1987 Jul;60(1):39–42

VETERINARY

Mastocytoma in a horse. Doran RE, et al. **Equine Vet J** 1986 Nov;18(6):500–2

Mesangial hyaline droplet formation and mesangiolysis in the renal glomeruli seen in pigs with mastocytosis. Tamura T, et al. **Nippon Juigaku Zasshi** 1986 Dec;48(6):1183–9

MASTOCYTOSIS, BULLOUS see URTICARIA PIGMENTOSA

MASTOCYTOSIS, DIFFUSE CUTANEOUS see URTICARIA PIGMENTOSA

MASTOID

Acute mastoid abscess and cholesteatoma. Primrose WJ, et al. **Int J Pediatr Otorhinolaryngol** 1987 Feb;12(3):229–35

Otomastoid cholesteatoma in children: histopathological findings. Quaranta A, et al. **Int J Pediatr Otorhinolaryngol** 1986 Dec;12(2):121–6

American Burkitt's lymphoma of the mastoid. Welling DB, et al. **Laryngoscope** 1987 Sep;97(9):1038–42

ANATOMY & HISTOLOGY

Mastoid volume and eustachian tube function in ears with cholesteatoma. Lindeman P, et al. **Am J Otol** 1987 Jan; 8(1):5–7

CYTOLOGY

Otitis media and the mastoid cell system. A study of men born in 1913 and 1923. Rudin R, et al. **Acta Otolaryngol (Stockh)** 1987 Mar–Apr;103(3–4):217–25

GROWTH & DEVELOPMENT

Development of paranasal and mastoid sinuses: a computed tomographic pilot study. O'Tuama LA, et al. **J Child Neurol** 1986 Jan;1(1):46–9

INJURIES

[Otogenic extradural pneumatocele, 36 years after a gunshot injury] Strohm M, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Jan;66(1):25–9 (Eng. Abstr.) **(Ger)**

[Otogenous brain abscess in a patient with atresia of the external auditory meatus after gunshot wound of the skull] Khrabrikov AN. **Vestn Otorinolaringol** 1986 Sep–Oct; (5):73–4 **(Rus)**

PATHOLOGY

Automastoidectomy caused by keratosis obturans: a case report. Hawke M, et al. **J Otolaryngol** 1986 Dec; 15(6):348–50

PHYSIOLOGY

A long latency reflex monitored on the mastoid surface. Eke-Okoro ST. **Electromyogr Clin Neurophysiol** 1987 Apr–May;27(3):169–71

RADIOGRAPHY

Mastoid size determined with lateral radiographs and computerized tomography. Todd NW, et al. **Acta Otolaryngol (Stockh)** 1987 Mar–Apr;103(3–4):226–31

[Further development of pneumatization of the mastoid apophysis in long-term drainage of the tympanum] Heller U, et al. **HNO** 1987 Feb;35(2):67–9 (Eng. Abstr.) **(Ger)**

SURGERY

Results of endolymphatic sac to mastoid shunt surgery for Menière's disease refractory to medical therapy. Arenberg IK. **Am J Otol** 1987 Jul;8(4):335–44

Menière's disease: results of treatment with the endolymphatic subarachnoid shunt compared with the endolymphatic mastoid shunt. Brackmann DE, et al. **Am J Otol** 1987 Jul;8(4):275–82

Revalidation of radical mastoidectomy cavities: reconstruction with bone dust and bio-materials. Gersdorff MC, et al. **Am J Otol** 1987 Mar;8(2):133–5

Long-term results of surgery for chronic granulating otitis. Lau T, et al. **Am J Otolaryngol** 1986 Sep–Oct;7(5):341–5

Swimming with a mastoid cavity: what are the risks? el-Silimy O, et al. **Clin Otolaryngol** 1986 Aug;11(4):209–12

Revision mastoidectomy [letter] Thabet JH. **Ear Nose Throat J** 1987 Feb;66(2):75–8

A radiological assessment of the usefulness of Macewen's triangle as a surgical landmark. Milton CM, et al. **J Laryngol Otol** 1986 Nov;100(11):1225–34

Surgical trauma to the lateral semicircular canal with preservation of hearing. Canalis RF, et al. **Laryngoscope** 1987 May;97(5):575–81

Mastoidotomy tympanotomy approach for cochlear implantation. Goycoolea MV, et al. **Laryngoscope** 1987 Jun; 97(6):766–71

Clinical experience with the bone-anchored hearing aid. Lindeman P, et al. **Scand Audiol** 1987;16(1):37–41

[Anatomical and functional results of the "small tympanic cavity" in total petromastoid excision for cholesteatoma] Portmann M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1987; 108(2):161–4 (Eng. Abstr.) **(Fre)**

[The mastoid cavity and auditory canal meatoplasty. Relations between corresponding indications] Hildmann H. **Laryngol Rhinol Otol (Stuttg)** 1986 Dec;65(12):684–7 (Eng. Abstr.) **(Ger)**

[Personal experience with intact bridge mastoidectomy and reconstruction of the lateral wall of the attic] Pichanič M, et al. **Cesk Otolaryngol** 1986 Jul;35(4):260–5 (Eng. Abstr.) **(Slo)**

MASTOIDITIS

COMPLICATIONS

Etiological agent and primary source of infection in 42 cases of focal intracranial suppuration. Ariza J, et al. **J Clin Microbiol** 1986 Nov;24(5):899–902

[Clinical observations on a case of chronic otomastoiditis complicated by purulent meningitis and cerebral abscess] Gheorghe R. **Rev Chir [Otorinolaringol]** 1987 Jan–Mar; 32(1):73–5 **(Rum)**

[Intracranial complications in chronic suppurative otomastoiditis at the Timişoara ORL Clinic 1974–1984] Sarău M, et al. **Rev Chir [Otorinolaringol]** 1987 Apr–Jun; 32(2):119–25 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

Acute mastoiditis. Diagnosis and complications. Ogle JW, et al. **Am J Dis Child** 1986 Nov;140(11):1178–82

ETIOLOGY

Acute pseudomonas mastoiditis in children. Leiberman A, et al. **Am J Otolaryngol** 1987 May–Jun;8(3):175–8

MICROBIOLOGY

Bacteriology in acute mastoiditis. Maharaj D, et al. **Arch Otolaryngol Head Neck Surg** 1987 May;113(5):514–5

Otomastoiditis caused by Mycobacterium avium-intracellulare. Kinsella JP, et al. **Pediatr Infect Dis** 1986 Nov–Dec;5(6):704–6

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 25–1987. A seven-year-old Japanese-American boy with persistent right-ear drainage despite antibiotic therapy. **N Engl J Med** 1987 Jun 18;316(25):1589–97

RADIONUCLIDE IMAGING

SPECT confidence building. Subtle skull bone imaging lesions made conspicuous. Cawthon MA, et al. **Clin Nucl Med** 1986 Nov;11(11):805–6

SURGERY

Revision mastoidectomy [letter] Thabet JH. **Ear Nose Throat J** 1987 Feb;66(2):75–8

[Chronic cholesteatomatous otomastoiditis with Bezold type cervical development] Pop T, et al. **Rev Chir [Otorinolaringol]** 1986 Oct–Dec;31(4):305–7 (Eng. Abstr.) **(Rum)**

[Clinico-surgical and developmental considerations on several cases of complicated otomastoiditis resolved in our section] Văgălău V, et al. **Rev Chir [Otorinolaringol]** 1986 Oct–Dec;31(4):313–6 (Eng. Abstr.) **(Rum)**

[Petromastoid évidement in cholesteatomatous osteomastoiditis] Vida I, et al. **Rev Chir [Otorinolaringol]** 1986 Oct–Dec;31(4):309–12 (Eng. Abstr.) **(Rum)**

THERAPY

[Extensive otomastoid cholesteatoma (with reference to 10 clinical cases)] Ene F, et al. **Rev Chir [Otorinolaringol]** 1986 Oct–Dec;31(4):297–304 (Eng. Abstr.) **(Rum)**

[Our experience with focal ORL infections in children] Păunescu C, et al. **Rev Chir [Otorinolaringol]** 1987 Apr–Jun; 32(2):95–9 (Eng. Abstr.) **(Rum)**

MASTOMYS see MURIDAE

MASTURBATION

Masturbation injury resulting from intraurethral introduction of spaghetti. Bacci M, et al. **Am J Forensic Med Pathol** 1986 Sep;7(3):254–5

Non-venereal sclerosing lymphangitis of the penis associated with masturbation. Sieunarine K. **Br J Urol** 1987 Feb; 59(2):194–5

Combined perforation of the rectum and urinary bladder secondary to autoanal stimulation: report of a case. Tucker MS, et al. **J Am Osteopath Assoc** 1987 Jan;87(1):79–81

Masturbatory death and injury. Burg BR. **J R Soc Health** 1987 Apr;107(2):60–1

The semantics of success: do masturbation exercises lead to partner orgasm? Wakefield JC. **J Sex Marital Ther** 1987 Spring;13(1):3–14

On onanism [letter] Jones CS. **S Afr Med J** 1987 Apr 4; 71(7):469

Masturbation during sleep—a somnambulistic variant? Wong KE. **Singapore Med J** 1986 Dec;27(6):542–3

DIAGNOSIS

Sonographic observation of in utero fetal "masturbation" [letter] Meizner I. **J Ultrasound Med** 1987 Feb;6(2):111

DRUG EFFECTS

Imipramine-induced erection, masturbation, and ejaculation in male horses. McDonnell SM, et al. **Pharmacol Biochem Behav** 1987 May;27(1):187–91

METABOLISM

Ejaculate composition after masturbation and coitus in the human male. Purvis K, et al. **Int J Androl** 1986 Dec; 9(6):401–6

MATERIA ALBA see DENTAL DEPOSITS

MATERIALS MANAGEMENT, HOSPITAL

Inventory of medical X-ray equipment in Dutch hospitals. Timmermans CW, et al. **Diagn Imag Clin Med** 1986; 55(6):364–9

ECONOMICS

Reducing inventory cost through better inventory management. Chalos P. **Am Pharm** 1987 Jul;NS27(7):40–4

CEOs neglect materials cost cutting: survey. Wilkinson R. **Hospitals** 1987 Jan 20;61(2):100, 102–3

Supply resale to MDs, others hinges on CEO. Wilkinson R. **Hospitals** 1987 Feb 5;61(3):65–6

METHODS

Robots move supplies for less money and labor. Wilkinson R, et al. **Hospitals** 1986 Dec 5;60(23):70

ORGANIZATION & ADMINISTRATION

Organizational approach to implementing bar-code technology in a university hospital. Smith JE, et al. **Am J Hosp Pharm** 1987 Mar;44(3):572–3

STANDARDS

Proposed recommended practices: care of instruments, scopes, and powered surgical instruments. **AORN J** 1986 Dec;44(6):1002–12

Interhospital transportation. Monitoring sterility of instrument packs. Greene VW, et al. **AORN J** 1987 Jun; 45(6):1420–1, 1424–7

TRENDS

Survey charts rise in hospital/vendor ties. Wilkinson R. **Hospitals** 1987 Jun 5;61(11):66–7

MATERIALS TESTING

Development of a fine ceramic heart valve for use as a cardiac prosthesis. Mitamura Y, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):444–8

Laboratory assessment of the design, function, and durability of pericardial bioprostheses. Fisher J, et al. **Eng Med** 1987 Apr;16(2):105–9

Marble attenuation characteristics for diagnostic x rays. Abdul-Majid S. **Health Phys** 1987 Mar;52(3):385–7

Characterization of UHMWPE hip cups run on joint simulators. Eyerer P, et al. **J Biomed Mater Res** 1987 Mar; 21(3):275–91

Aging test and dynamic fatigue test of apatite-wollastonite-containing glass ceramics and dense hydroxyapatite. Kitsugi T, et al. **J Biomed Mater Res** 1987 Apr;21(4):467–84

Dynamic creep of dental amalgam as a function of stress and number of applied stress cycles. McCabe JF, et al. **J Dent Res** 1987 Aug;66(8):1346–9

The effect of environmental aging on the fracture toughness of dental composites. Pilliar RM, et al. **J Dent Res** 1987 Mar;66(3):722–6

Thermal diffusivity of glass-ionomer cements. Tay WM, et

al. **J Dent Res** 1987 May;66(5):1040–3
Characterization of polydimethacrylates and their composites by dynamic mechanical analysis. Wilson TW, et al. **J Dent Res** 1987 May;66(5):1032–5
Ceravital in ossiculoplasty: experimental studies and early clinical results. Blayney AW, et al. **J Laryngol Otol** 1986 Dec;100(12):1359–66
Fatigue failure in acrylic resin retaining minor connectors. Brown DT, et al. **J Prosthet Dent** 1987 Sep;58(3):329–35
Fracture toughness of provisional resins for fixed prosthodontics. Gegauff AG, et al. **J Prosthet Dent** 1987 Jul;58(1):23–9
A chronic arteriovenous shunt for the testing of biomaterials and devices in dogs. Zingg W, et al. **Life Support Syst** 1986 Jul–Sep;4(3):221–9
The best suture for hypospadias? Bartone F, et al. **Urology** 1987 May;29(5):517–22
In vivo coefficient of kinetic friction: study of urinary catheter biocompatibility. Nickel JC, et al. **Urology** 1987 May;29(5):501–3
[Structural study and mechanical properties of an artificial extracellular matrix made of elastin] Aprahamian M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(1):59–62 (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

Laboratory testing of prosthetic heart valves. Reul H, et al. **Eng Med** 1987 Apr;16(2):67–76
Use of a bimaterial strip to predict expansion compatibility. Scherer GW. **J Dent Res** 1987 Aug;66(8):1340

METHODS

Thermal insulation of materials with possible aerospace application. Kaufman WC, et al. **Aviat Space Environ Med** 1986 Oct;57(10 Pt 1):993–6
Pericardial heterografts: a method for leaflet mechanical property control. Trowbridge EA, et al. **Eng Med** 1987 Apr;16(2):111–4
Endotracheal tube toxicity testing by subconjunctival & intramuscular implantation. Saxena A, et al. **Indian J Med Res** 1987 Apr;85:461–6
The relationship between test methodology and elastic behavior of composites. Braem M, et al. **J Dent Res** 1987 May;66(5):1036–9
Implants in the abdominal wall of the rat. Thomsen P, et al. **Scand J Plast Reconstr Surg** 1986;20(2):173–82

MATERNAL AGE

Young maternal age and adverse neonatal outcome. McAnarney ER. **Am J Dis Child** 1987 Oct;141(10):1053–9
Delayed childbearing: no evidence for increased risk of low birth weight and preterm delivery. Barkan SE, et al. **Am J Epidemiol** 1987 Jan;125(1):101–9
Down syndrome and maternal age: the effect of erroneous assignment of parental origin. Carothers AD. **Am J Hum Genet** 1987 Feb;40(2):147–50
Spontaneous mutation and parental age in humans. Risch N, et al. **Am J Hum Genet** 1987 Aug;41(2):218–48
Predicting and understanding developmental delay of children of adolescent mothers: a multidimensional approach. Whitman TL, et al. **Am J Ment Defic** 1987 Jul;92(1):40–56
Pregnancy outcome in medically complicated and uncomplicated patients aged 40 years or older. Lehmann DK, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):738–42
Maternal age and primary cesarean section rates: a multivariate analysis. Martel M, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):305–8
Maternal serum alpha-fetoprotein, age, and Down syndrome risk. Palomaki GE, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):460–3
Psychological adaptation to pregnancy in childless women more than 35 years of age. Robinson GE, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):328–33
Childbearing among young Latino women in the United States. Darabi KF, et al. **Am J Public Health** 1987 Jan;77(1):25–8
The effects of race, residence, and prenatal care on the relationship of maternal age to neonatal mortality. Geronimus AT. **Am J Public Health** 1986 Dec;76(12):1416–21
Projected changes in breast cancer incidence due to the trend toward delayed childbearing. White E. **Am J Public Health** 1987 Apr;77(4):495–7
Obstetric performance of elderly primiparae. Ho PC, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec;12(4):499–504
Uptake of amniocentesis in women aged 38 years or more by the time of the expected date of delivery: a two-year retrospective study. Knott PD, et al. **Br J Obstet Gynaecol** 1986 Dec;93(12):1246–50
Parental age, and how extra isochromosomes (secondary trisomy) arise. Van Dyke DL, et al. **Clin Genet** 1987 Jul;32(1):75–9
Increased incidence of type I diabetes in children of older mothers. Flood TM, et al. **Diabetes Care** 1982 Nov–Dec;5(6):571–3
Obstetric outcome in first-time mothers aged 40 years and over. Brassil MJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jun;25(2):115–20
Reproductive potential in the older woman. Gindoff PR, et al. **Fertil Steril** 1986 Dec;46(6):989–1001 (81 ref.)
Results of in vitro fertilization attempts in women 40 years of age and older: the Norfolk experience. Romeu A, et al. **Fertil Steril** 1987 Jan;47(1):130–6
Reproductive potential in the older woman [letter] Tulandi T. **Fertil Steril** 1987 Jun;47(6):1042–3
Early fetal losses related to maternal age in year to year intervals. Pawlowitzki IH, et al. **Hum Reprod** 1986 Aug;1(5):345
Re-evaluation of the obstetrical risk for the older primipara. Blickstein I, et al. **Int J Gynaecol Obstet** 1987 Apr;25(2):107–12
Calcium intake and bone density of lactating women in their late childbearing years. Byrne J, et al. **J Am Diet Assoc** 1987 Jul;87(7):883–7
Maternal age and infantile autism. Gillberg C. **J Autism Dev Disord** 1980 Sep;10(3):293–7
Minor physical anomalies in childhood autism. Part II. Their relationship to maternal age. Links PS. **J Autism Dev Disord** 1980 Sep;10(3):287–92
Long term effect of gynecologic age on somatic growth of children. Cherry FF, et al. **J Community Health** 1987 Summer–Fall;12(2–3):108–16
The effects of maternal age, education, and parity on birthweight in a Nigerian community: the comparison of results from bivariate and multivariate analyses. Oni GA. **J Trop Pediatr** 1986 Dec;32(6):295–300
Collaborative study of Down syndrome screening using maternal serum alpha-fetoprotein and maternal age [letter] Palomaki GE. **Lancet** 1986 Dec 20–27;2(8521–22):1460
Trisomy 21 mosaicism and maternal age effect [letters] Peters GB, et al. **Lancet** 1987 May 23;1(8543):1202–3
Stress and later-life childbearing: important implications for nursing. Mansfield PK, et al. **Matern Child Nurs J** 1986 Fall;15(3):139–51
First pregnancy after 35: what is the experience? Winslow W. **MCN** 1987 Mar–Apr;12(2):92–6
Long-term effect of a first pregnancy on the secretion of prolactin. Musey VC, et al. **N Engl J Med** 1987 Jan 29;316(5):229–34
Combining maternal age and serum alpha-fetoprotein to predict the risk of Down's syndrome [letter] **Obstet Gynecol** 1987 Apr;69(4):683–4
Older maternal age and pregnancy outcome: a review of the literature. Hansen JP. **Obstet Gynecol Surv** 1986 Nov;41(11):726–42 (91 ref.)
Interactions of adolescent mothers and their 1-year-old children. McAnarney ER, et al. **Pediatrics** 1986 Oct;78(4):585–90
Young maternal age and infant mortality: the role of low birth weight. Friede A, et al. **Public Health Rep** 1987 Mar–Apr;102(2):192–9
[Young mothers—a social risk group] Løwert AC, et al. **Ugeskr Laeger** 1987 May 25;149(22):1496–8 (Eng. Abstr.) **(Dan)**
[Effect of maternal age on the success rate of in vitro fertilization. A comparison of human and animal experiment data] Michelmann HW, et al. **Geburtshilfe Frauenheilkd** 1987 Jul;47(7):495–8 (Eng. Abstr.) **(Ger)**
[The elderly primipara: a risk assessment] Schaller G, et al. **Geburtshilfe Frauenheilkd** 1987 Jun;47(6):379–83 (Eng. Abstr.) **(Ger)**
[The course of labor in very young and older pregnant patients] de Gregorio G, et al. **Z Geburtshilfe Perinatol** 1987 Mar–Apr;191(2):60–3 (Eng. Abstr.) **(Ger)**
[Maternal age and psychological health of the child. Study of a population in consultation] Thiels C, et al. **Z Kinder Jugendpsychiatr** 1987;15(2):123–33 (Eng. Abstr.) **(Ger)**
[Effect of parity status and age of Libyan mothers on body length and birth weight of newborn infants. A comparative study] Baars F. **Zentralbl Gynakol** 1987;109(2):119–25 (Eng. Abstr.) **(Ger)**
[No age dependence of biochemical parameters in pregnancy] Voss P, et al. **Zentralbl Gynakol** 1986;108(20):1217–21 (Eng. Abstr.) **(Ger)**
[Childbirth in the older pregnant woman] Perolo FL, et al. **Minerva Ginecol** 1986 Oct;38(10):807–10 (Eng. Abstr.) **(Ita)**
[Relation between the age of the parents and achondroplasia (letter)] Mascherpa G, et al. **Minerva Pediatr** 1987 Apr 15;39(7):299 **(Ita)**
[Late primiparity] Bustos JC, et al. **Rev Chil Obstet Ginecol** 1985;50(5):388–95 (Eng. Abstr.) **(Spa)**

MATERNAL AGE 35 AND OVER see under **MATERNAL AGE**

MATERNAL BEHAVIOR

Changes in serum corticosterone and testosterone during induced maternal behavior in rats. Korányi L, et al. **Acta Physiol Hung** 1987;69(1):33–42
Left-side preference in holding and carrying newborn infants. A three-year follow-up study. de Château P. **Acta Psychiatr Scand** 1987 Mar;75(3):283–6
Homeostasis and attachment: an integration of classical and object relational approaches to the good-enough mother. van den Daele L. **Am J Psychoanal** 1986 Fall;46(3):203–18
Psychobiology of rat maternal behavior: how and where hormones act to promote maternal behavior at parturition. Fleming A. **Ann NY Acad Sci** 1986;474:234–51 (60 ref.)
The role of the medial preoptic area in the regulation of maternal behavior in the rat. Numan M. **Ann NY Acad Sci** 1986;474:226–33 (33 ref.)
Licking, touching, and suckling: contact stimulation and maternal psychobiology in rats and women. Stern JM. **Ann NY Acad Sci** 1986;474:95–107 (61 ref.)
Electrophysiological evidence of "relaxation behavior" during suckling in lactating female cats. Cervantes M, et al. **Arch Invest Med (Mex)** 1985 Oct–Dec;16(4):323–36 **(Eng, Spa)**
Behavioral development in mice: effects of maternal environment and the albino locus. Le Pape G, et al. **Behav Genet** 1986 Sep;16(5):531–41
Cortisol and behavioral responses to separation in mother and infant guinea pigs. Ritchey RL, et al. **Behav Neural Biol** 1987 Jul;48(1):1–12
Induction of maternal behavior in rats: effects of pseudopregnancy termination and placenta-smeared pups. Steuer MA, et al. **Behav Neurosci** 1987 Apr;101(2):219–27
The ability of oxytocin to induce short latency maternal behavior is dependent on peripheral anosmia. Wamboldt MZ, et al. **Behav Neurosci** 1987 Jun;101(3):439–41
Aberrant parenting and delayed offspring development in rats exposed to lithium. Sechzer JA, et al. **Biol Psychiatry** 1986 Nov;21(13):1258–66
Influence of food restriction and of the presence of chicks on the reproductive system of the domestic hen. Richard-Yris MA, et al. **Br Poult Sci** 1987 Jun;28(2):251–60
Postpartum aggression in rats does not influence threshold currents for EBS-induced aggression. Mos J, et al. **Brain Res** 1987 Feb 24;404(1–2):263–6
The parental fitness of mothers with multiple personality disorder: a preliminary study. Kluft RP. **Child Abuse Negl** 1987;11(2):273–80
Predictors and correlates of anger toward and punitive control of toddlers by adolescent mothers. Crockenberg S. **Child Dev** 1987 Aug;58(4):964–75
Differences in maternal behavior of rats and the sociosexual development of the offspring. Birke LI, et al. **Dev Psychobiol** 1987 Jan;20(1):85–99
Preferences of female rhesus monkeys (Macaca mulatta) for infantile coloration. Higley JD, et al. **Dev Psychobiol** 1987 Jan;20(1):7–18
Behavioral responses of infant rats to maternal licking: variations with age and sex. Moore CL, et al. **Dev Psychobiol** 1986 Sep;19(5):427–38
The effects of early rearing environments on maternal behavior in adult female rats. Moretto D, et al. **Dev Psychobiol** 1986 Nov;19(6):581–91
Nocturnal surges and reflexive release of prolactin in parentally behaving virgin female and male rats. Jakubowski M, et al. **Horm Behav** 1986 Sep;20(3):270–86
Hormonal factors influence the onset of maternal aggression in laboratory rats. Mayer AD, et al. **Horm Behav** 1987 Jun;21(2):253–67
The measure for motivational drive of the female rats to approach the pups—preliminary report. Sahakari SD. **Indian J Physiol Pharmacol** 1986 Jul–Sep;30(3):269–70
A comparison of the attitudes of mothers of non-handicapped children and of mentally retarded children towards their child and their relation to the school behavior of the child. Mavrin-Cavor L, et al. **Int J Rehabil Res** 1986;9(4):315–24
Observations on maternal protective behavior derived from unconscious phenomena. Epstein AW. **J Am Acad Psychoanal** 1987 Jul;15(3):407–14
Sibling quarrels and maternal intervention: individual differences in understanding and aggression. Dunn J, et al. **J Child Psychol Psychiatry** 1986 Sep;27(5):583–95
Child characteristics and the employment of mothers with young children: a longitudinal study. Galambos NL, et al. **J Child Psychol Psychiatry** 1987 Jan;28(1):87–98
Behavioral responses of juvenile rats (Rattus norvegicus) to neonates after infusion of maternal blood plasma. Brunelli SA, et al. **J Comp Psychol** 1987 Mar;101(1):47–59
The biparental care system of the California mouse, Peromyscus californicus. Gubernick DJ, et al. **J Comp Psychol** 1987 Jun;101(2):169–77
Inhibition of post-partum maternal behaviour in the rat by injecting an oxytocin antagonist into the cerebral ventricles. van Leengoed E, et al. **J Endocrinol** 1987 Feb;112(2):275–82
Recall of parental behavior by acute depressives, remitted depressives, and nondepressives. Lewinsohn PM, et al. **J Pers Soc Psychol** 1987 Mar;52(3):611–9
Mother's speech to their 1-year-old infants in home and laboratory settings. Stevenson MB, et al. **J Psycholinguist Res** 1986 Sep;15(5):451–61
Family size, illness and use of medical services among preschool Colombian children. Selwyn BJ. **J Trop Pediatr** 1987 Feb;33(1):16–23
Correlation by sex difference between maternal fostering attitudes and children's personalities. Sakuta T, et al. **Keio J Med** 1986 Jul;35(3):180–7
How well do adolescents mother? Ruff CC. **MCN** 1987 Jul–Aug;12(4):249–53
Sex and parental experience determine the onset of an instinctive behavior in mice. Ehret G, et al. **Naturwissenschaften** 1987 Jan;74(1):47
Intracerebroventricular oxytocin stimulates maternal behaviour in the sheep. Kendrick KM, et al. **Neuroendocrinology** 1987 Jun;46(1):56–61

Sodium valproate: effects on maternal behaviour in the mouse. Chapman JB, et al. **Neuropharmacology** 1987 Jun; 26(6):607–12

Maternal care by rhesus monkeys of infant monkeys exposed to either lead or 2,3,7,8-tetrachlorodibenzo-P-dioxin. Schantz SL, et al. **Neurotoxicology** 1986 Summer; 7(2):637–50

Face-to-face interactions of depressed mothers and their infants. Cohn JF, et al. **New Dir Child Dev** 1986 Winter; (34):31–45

The depressed mother and her one-year-old infant: environment, interaction, attachment, and infant development. Lyons-Ruth K, et al. **New Dir Child Dev** 1986 Winter;(34):61–82

The transmission of maternal disturbance to the infant. Tronick EZ, et al. **New Dir Child Dev** 1986 Winter; (34):5–11

Induction of maternal behavior in sexually inexperienced male rats following removal of the vomeronasal organ. Saito TR. **Nippon Juigaku Zasshi** 1986 Oct;48(5):1029–30

Mothering behavior and maternal role attainment during the postpartum period. Walker LO, et al. **Nurs Res** 1986 Nov-Dec;35(6):352–5

Breast feeding and maternal smoking as predictors of wheezing in children age 6 to 10 years. McConnochie KM, et al. **Pediatr Pulmonol** 1986 Sep-Oct;2(5):260–8

Breast versus bottle: correlates of adolescent mothers' infant-feeding practices. Joffe A, et al. **Pediatrics** 1987 May; 79(5):689–95

Maternal aggression towards different sized male opponents: effect of chlordiazepoxide treatment of the mothers and d-amphetamine treatment of the intruders. Mos J, et al. **Pharmacol Biochem Behav** 1987 Mar;26(3):577–84

Patterns of maternal behavior in the spontaneously hypertensive rat. Cierpial MA, et al. **Physiol Behav** 1987; 39(5):633–7

Effects of hypothalamic knife cuts and experience on maternal behavior in the rat. Franz JR, et al. **Physiol Behav** 1986;38(5):629–40

Maternal behavior in cyclic and androgenized female rats: role of ovarian hormones. Gonzalez DE, et al. **Physiol Behav** 1986;38(6):789–93

Peridural anesthesia disturbs maternal behavior in primiparous and multiparous parturient ewes. Krehbiel D, et al. **Physiol Behav** 1987;40(4):463–72

Satiation restores brood care motivation in the female mouthbrooder Pseudocrenilabrus multicolor (Cichlidae). Mrowka W. **Physiol Behav** 1986;38(1):153–6

Prenatal stress eliminates differential maternal attention to male offspring in Norway rats. Power KL, et al. **Physiol Behav** 1986;38(5):667–71

Induction of maternal behavior in incubating and non-incubating hens: influence of hormones. Richard-Yris MA, et al. **Physiol Behav** 1987;40(2):193–9

Protein malnutrition of the lactating female rat: effect on maternal behaviour and spontaneous weaning of young rats. Babický A, et al. **Physiol Bohemoslov** 1986; 35(5):456–63

Maternal reactions to the birth of a child with cleft lip and/or palate [letter] Natsume N, et al. **Plast Reconstr Surg** 1987 Jun;79(6):1003–4

Affect and nurturance: mechanisms mediating maternal behavior in two female mammals. Fleming AS, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):121–7

Searching for evidence on the validity of generalized anxiety disorder: psychopathology in children of anxious mothers. Breslau N, et al. **Psychiatry Res** 1987 Apr;20(4):285–97

Limit setting in mothers of toddlers with physical anomalies. Wasserman G, et al. **Rehabil Lit** 1986 Nov-Dec; 47(11–12):290–4

Maternal anxiety and sensitive mothering behavior in diabetic and nondiabetic women. Schroeder-Zwelling E, et al. **Res Nurs Health** 1986 Sep;9(3):249–55

Patterns of variation in breast-feeding behaviors. Quandt SA. **Soc Sci Med** 1986;23(5):445–53

Maternal behavior. Crowell-Davis SL, et al. **Vet Clin North Am [Equine Pract]** 1986 Dec;2(3):557–71

Maternal and neonatal behavior. Gonyou HW, et al. **Vet Clin North Am [Food Anim Pract]** 1987 Jul;3(2):231–49 (117 ref.)

Abnormal behavior. Houpt KA. **Vet Clin North Am [Food Anim Pract]** 1987 Jul;3(2):357–67 (55 ref.)

[Women's attitudes to antenatal care, delivery and the postpartum period. II. Delivery and the postpartum period] Ahrentsen OD, et al. **Ugeskr Laeger** 1986 Dec 15; 148(51):3473–5 (Eng. Abstr.) **(Dan)**

[Affective attunement: division of emotional states between mother and child by cross-modal exchange] Stern DN, et al. **Ann Med Psychol (Paris)** 1987 Mar;145(3):205–24 (Eng. Abstr.) **(Fre)**

[Acquired polydipsia in infants] Benichou JJ, et al. **Arch Fr Pediatr** 1987 Jan;44(1):43–4 (Eng. Abstr.) **(Fre)**

[Mother's touching behavior with regard to the newborn infant: preliminary cases] Millot JL, et al. **C R Acad Sci [III]** 1987;304(20):499–502 (Eng. Abstr.) **(Fre)**

[Mother's language addressed to her baby during the 1st year: value in studying early interactions] Robin M. **Psychiatr Enfant** 1986;29(2):363–86 (Eng. Abstr.) **(Fre)**

[Role behavior of the sexes (female protective behavior)] Volk P, et al. **Beitr Gerichtl Med** 1986;44:423–34 (Eng. Abstr.) **(Ger)**

[The "pup-food-retrieval test" with golden hamster females to demonstrate prenatally-induced disorders] Gattermann R. **Z Versuchstierkd** 1986;28(4):199–203 (Eng. Abstr.) **(Ger)**

[A model of the chronicity of infantile headache] Sorge F, et al. **Minerva Med** 1987 Jul 31;78(14):1059–62 **(Ita)**

[Maternal attitudes in women with high-risk pregnancy] Golańska Z. **Ginekol Pol** 1986 Sep;57(9):605–8 (Eng. Abstr.) **(Pol)**

[Munchausen syndrome induced as recurrent imipramine poisoning] Palomeque A, et al. **An Esp Pediatr** 1986 Oct; 25(4):257–9 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Maternal responsiveness and nest defense during the prepartum period in laboratory rats. Mayer AD. **Ann NY Acad Sci** 1986;474:216–25 (48 ref.)

Hormonal basis of maternal behavior in the rat. Siegel HI. **Ann NY Acad Sci** 1986;474:202–15 (42 ref.)

Effect of preoptic region implants of dilute estradiol on the maternal behavior of ovariectomized, nulliparous rats. Fahrbach SE, et al. **Horm Behav** 1986 Sep;20(3):354–63

Differences in patterns of pup care in Mus musculus domesticus. VIII. Effects of previous experience and parity in XLII inbred mice. Cohen-Salmon C. **Physiol Behav** 1987;40(2):177–80

Experience with pups sustains maternal responding in postpartum rats. Orpen BG, et al. **Physiol Behav** 1987; 40(1):47–54

MATERNAL-CHILD HEALTH CENTERS see under **HEALTH FACILITIES**

MATERNAL DEPRIVATION

The relationships of childhood socio-demographic factors and early parental loss to major depression in adult life. Hällström T. **Acta Psychiatr Scand** 1987 Feb;75(2):212–6

Cortisol and behavioral responses to separation in mother and infant guinea pigs. Ritchey RL, et al. **Behav Neural Biol** 1987 Jul;48(1):1–12

Behavioral and hormonal responses to separation in infant rhesus monkeys and mothers. Levine S, et al. **Behav Neurosci** 1985 Jun;99(3):399–410

Restricted access to natural mother shifted endogenous rhythm of rat pups. Shimoda K, et al. **Brain Dev** 1986; 8(4):366–72

Separation distress in infant rhesus monkeys: effects of diazepam and Ro 15-1788. Kalin NH, et al. **Brain Res** 1987 Apr 7;408(1–2):192–8

Behavioural changes in adult rats produced by early postnatal maternal deprivation and treatment with choline chloride. Tönjes R, et al. **Exp Clin Endocrinol** 1986 Dec;88(2):151–7

Liver ornithine decarboxylase activity in suckling pigs after short term maternal deprivation. Pond WG, et al. **Growth** 1986 Winter;50(4):437–46

Effects of oedipal triumph caused by collapse or death of the rival parent. Gill HS. **Int J Psychoanal** 1987;68 (Pt 2):251–60

Childhood loss of parent, lack of adequate parental care and adult depression: a replication. Bifulco AT, et al. **J Affective Disord** 1987 Mar-Apr;12(2):115–28

Positive effects of tactile versus kinesthetic or vestibular stimulation on neuroendocrine and ODC activity in maternally-deprived rat pups. Pauk J, et al. **Life Sci** 1986 Dec 1;39(22):2081–7

Effects of feeding and light cycles on activity rhythms of maternally isolated rat pups. Anderson VN, et al. **Physiol Behav** 1987;39(2):169–81

Early separation of young rats from the mother and the development of play fighting. Janus K. **Physiol Behav** 1987; 39(4):471–6

Influence of postnatal rearing conditions on the response of squirrel monkey infants to brief perturbations in mother-infant relationships. Wiener SG, et al. **Physiol Behav** 1987;39(1):21–6

Loss of parent in childhood and adult psychiatric disorder: the role of social class position and premarital pregnancy. Harris T, et al. **Psychol Med** 1987 Feb;17(1):163–83

Loss of parent in childhood and adult psychiatric disorder: the role of lack of adequate parental care. Harris T, et al. **Psychol Med** 1986 Aug;16(3):641–59

Developmental theories of depression in nonhuman primates. Kraemer GW. **Psychopharmacol Bull** 1986;22(3):587–92

["The alcoholic tramp and his mother"] Migot A, et al. **Ann Med Psychol (Paris)** 1986 Jan;144(1):116–23 **(Fre)**

MATERNAL-FETAL EXCHANGE

see related

ABNORMALITIES, DRUG-INDUCED

Diabetes in pregnancy: influence of genetic background and maternal diabetic state on the incidence of skeletal malformations in the fetal rat. Eriksson UJ, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:66–73

Respiratory distress syndrome: steroid and peptide hormone levels in maternal venous blood and the umbilical vein and artery. Hercz P, et al. **Acta Paediatr Hung** 1987;28(1):17–21

Impaired vascular reactivity in newborn infants of smoking mothers. Ahlsten G, et al. **Acta Paediatr Scand** 1987 Mar; 76(2):248–53

Sulphasalazine and sulphapyridine serum levels in children to mothers treated with sulphasalazine during pregnancy and lactation. Esbjörner E, et al. **Acta Paediatr Scand** 1987 Jan;76(1):137–42

Effects of prenatal alcohol exposure on neonatal sleep-wake behaviour and adult alcohol consumption in rats. Hilakivi L. **Acta Pharmacol Toxicol (Copenh)** 1986 Jul;59(1):36–42

Transplacental transmission of HTLV-III virus [letter] Macchi B, et al. **AIDS Res** 1986 Fall;2(4):267–9

Maternal abstention from cow milk and egg in allergy risk pregnancies. Effect on antibody production in the mother and the newborn. Fälth-Magnusson K, et al. **Allergy** 1987 Jan;42(1):64–73

Maternal erythrocytes in the fetal circulation. The immunocytochemical identification of minor populations of erythrocytes. Wang XH, et al. **Am J Clin Pathol** 1987 Sep;88(3):346–8

Congenital familial transient hypothyroidism secondary to transplacental thyrotropin-blocking autoantibodies. Francis G, et al. **Am J Dis Child** 1987 Oct;141(10):1081–3

Transplacental stimulation of functional and morphologic fetal rabbit lung maturation: effect of thyrotropin-releasing hormone. Devaskar U, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):460–4

Echocardiographic and anatomic studies of the maternotrophoblastic border during the first trimester of pregnancy. Hustin J, et al. **Am J Obstet Gynecol** 1987 Jul; 157(1):162–8

Intrauterine growth retardation after long-term maternal salicylate administration in the rabbit. Lukas JC, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):245–9

Effects of maternal anemia on uteroplacental and fetal oxidative metabolism in sheep. Paulone ME, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):230–6

Infusion of gonadotropin-releasing hormone agonist during pregnancy: maternal and fetal responses in primates. Sopelak VM, et al. **Am J Obstet Gynecol** 1987 Mar; 156(3):755–60

Fetal responses to altered maternal oxygenation in rhesus monkey. Jackson BT, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):R94–101

Melatonin rhythms in fetal and maternal circulation during pregnancy in sheep. Yellon SM, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):E799–802

Intrauterine growth retardation of unknown etiology: II. Serum complement and circulating immune complexes in maternal sera and their relationship with parity and chronic villitis. Labarrere CA, et al. **Am J Reprod Immunol Microbiol** 1986 Sep;12(1):4–6

Cellular immune aspects of the human fetal-maternal relationship. Shohat B, et al. **Am J Reprod Immunol Microbiol** 1986 Aug;11(4):125–9

Pharmacokinetics and placental transfer of intravenous and epidural alfentanil in parturient women. Gepts E, et al. **Anesth Analg** 1986 Nov;65(11):1155–60

Intrauterine supraventricular tachyarrhythmias and transplacental digitalisation. Nagashima M, et al. **Arch Dis Child** 1986 Oct;61(10):996–1000

Increased blood viscosity and tachypnoea in infants of diabetic mothers. Violaris K, et al. **Arch Dis Child** 1986 Sep;61(9):910–2

Genital tract papillomavirus type 6 in recurrent conjunctival papilloma. Naghashfar Z, et al. **Arch Ophthalmol** 1986 Dec; 104(12):1814–5

Prenatal exposure to methylazoxymethanol (MAM) acetate: effects on ultrasonic vocalization and locomotor activity in rat offspring. Cagiano R, et al. **Arch Toxicol [Suppl]** 1987; 11:148–51

Influence of malarial infection on the maternal-foetal relationship in pregnant mice. Vinayak VK, et al. **Aust J Exp Biol Med Sci** 1986 Jun;64 (Pt 3):223–7

Maternal administration of dexamethasone stimulates choline-phosphate cytidylyltransferase in fetal type II cells. Post M. **Biochem J** 1987 Jan 1;241(1):291–6

Primary rat cardiac cell culture: diet of the mother rats as a determinant parameter of cardiomyoblast production from neonates. Grynberg A, et al. **Biol Cell** 1986; 57(1):89–91

Maternal factors modulating nutrient transfer to fetus. Lasunción MA, et al. **Biol Neonate** 1987;51(2):86–93 (42 ref.)

Placental function in maternal-fetal fat transport in diabetes. Shafrir E, et al. **Biol Neonate** 1987;51(2):102–12 (48 ref.)

Placental transfer of non-esterified fatty acids in normal and diabetic pregnancy. Thomas CR. **Biol Neonate** 1987; 51(2):94–101 (83 ref.)

Program for the twentieth annual meeting of the Society for the Study of Reproduction, including a symposium on fetal-maternal relationships. Urbana, Illinois, July 20-23, 1987. Abstracts. **Biol Reprod** 1987;36 Suppl 1:47–192

Placental transfer and distribution of toluene, xylene and benzene, and their metabolites during gestation in mice. Ghantous H, et al. **Biol Res Pregnancy Perinatol** 1986; 7(3):98–105

Influence of perinatal nicotine administration on transplacental carcinogenesis in Sprague Dawley rats by N-methylnitrosourea. Berger MR, et al. **Br J Cancer** 1987 Jan;55(1):37–40

The placental transport of [3H]vitamin K1 in rats. Hamulyák K, et al. **Br J Haematol** 1987 Mar;65(3):335–8

Brain development in relation to fetal weight and maternal

glucose tolerance during normal gestation. Saintonge J, et al. **Brain Dev** 1987;9(1):26–32
Behavioral and neurochemical changes in pups prenatally exposed to methamphetamine. Sato M, et al. **Brain Dev** 1986;8(4):390–6
Effect of alpha-methyldopa administration during pregnancy on the development of a child's sleep. Shimohira M, et al. **Brain Dev** 1986;8(4):416–23
Persistence of phencyclidine in fetal brain. Ahmad G, et al. **Brain Res** 1987 Jul 7;415(1):194–6
The circadian-gated timing of birth in rats: disruption by maternal SCN lesions or by removal of the fetal brain. Reppert SM, et al. **Brain Res** 1987 Feb 17;403(2):398–402
Increased interhemispheric coupling of the dopamine systems induced by prenatal stress. Fride E, et al. **Brain Res Bull** 1987 Mar;18(3):457–61
The role of fetal urinary excretion in the transfer of ethanol into amniotic fluid after maternal administration of ethanol to the near-term pregnant ewe. Clarke DW, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1120–4
Transplacental effects of diethylstilbestrol on mammary development and tumorigenesis in female ACI rats. Rothschild TC, et al. **Cancer Res** 1987 Aug 15; 47(16):4508–16
Uptake of transferrin by the rat yolk-sac and its materno fetal transfer in vivo. Thiriot-Hebert M. **Cell Mol Biol** 1987;33(2):183–9
Transplacental passage of digoxin in the case of nonimmune hydrops fetalis. Mimura S, et al. **Clin Cardiol** 1987 Jan; 10(1):63–5
Thyrotrophin blocking antibodies in the sera of mothers with congenitally hypothyroid infants. Ginsberg J, et al. **Clin Endocrinol (Oxf)** 1986 Aug;25(2):189–94
Neonatal lupus erythematosus with congenital heart block associated with maternal systemic lupus erythematosus. Houssiau FA, et al. **Clin Rheumatol** 1986 Dec;5(4):505–8
Possible maternal auto-immune component in the etiology of the fetal alcohol syndrome. Foster JW. **Dev Med Child Neurol** 1986 Oct;28(5):654–6
Transplacental metabolism of dexamethasone and cortisol in the late gestational age rhesus monkey (Macaca mulatta). Althaus ZR, et al. **Dev Pharmacol Ther** 1986;9(5):332–49
Placental transfer of omeprazole in maternal and fetal sheep. Ching MS, et al. **Dev Pharmacol Ther** 1986;9(5):323–31
Clinical pharmacokinetics in pregnancy and perinatology. II. Penicillins. Nau H. **Dev Pharmacol Ther** 1987;10(3):174–98 (42 ref.)
Effect of maternal food restriction on circulating insulin and glucagon levels and on liver insulin and glucagon binding sites of fetal and suckling rats. Alvarez E, et al. **Diabete Metab** 1986 Dec;12(6):337–45
Umbilical cord glycosylated hemoglobin in infants of diabetic mothers: relationships to neonatal hypoglycemia, macrosomia, and cord serum C-peptide. Sosenko JM, et al. **Diabetes Care** 1982 Nov–Dec;5(6):566–70
The appearance of 2,3-butanediol in the chronic ethanol treated pregnant rat. López-Tejero D, et al. **Drug Alcohol Depend** 1986 Dec;18(4):335–9
Fetal addiction to methadone: postnatal abstinence syndrome and development of visual evoked potentials. Pinto F, et al. **Drug Alcohol Depend** 1986 Sep;18(1):1–10
Diazepam metabolism in the guinea pig materno-fetal model: effects of cigarette smoke. Ungar W, et al. **Drug Chem Toxicol** 1986;9(3–4):205–21
Transfer of labelled urea, creatinine and electrolytes between liquor amnii and the fetoplacental unit in midpregnancy. Abramovich DR, et al. **Eur J Obstet Gynecol Reprod Biol** 1974;4(4):143–6
Fetal and maternal metabolism of prostaglandin F2 alpha in the guinea pig. Keirse MJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Aug;9(4):265–71
Amino acid composition of amniotic fluid, maternal and umbilical vein serum in intrahepatic cholestasis of pregnancy, pre-eclampsia and rhesus incompatibility. Kuutti-Savolainen ER, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Aug;9(4):223–9
Radionuclide and angiographic studies of placental circulation in man and rhesus monkey. Panigel M, et al. **Eur J Obstet Gynecol Reprod Biol** 1975;5(5):251–62
Placental transfer of thiamphenicol in term pregnancy. Plomp TA, et al. **Eur J Obstet Gynecol Reprod Biol** 1977; 7(6):383–8
Formation of HCG in the human fetoplacental unit. v.d. Meyden W, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Oct;9(5):313–6
Iron metabolism and placental transfer of iron in the term rhesus monkey (Macaca mulatta): a compartmental analysis. van Dijk JP. **Eur J Obstet Gynecol Reprod Biol** 1977;7(3):127–39
Transfer and dynamics of uric acid in the pregnant rhesus monkey. II. A mathematical model. van Kreel BK, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Aug;8(4):219–26
Transfer and dynamics of uric acid in the pregnant rhesus monkey. I. Transplacental and renal uric acid clearances. Wallenburg HC, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Aug;8(4):211–7
Maternal and newborn levels of glucose, sodium and osmolality after preloading with three intravenous solutions during elective cesarean sections. Zimmer EZ, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Oct;23(1–2):61–5
The influence of maternal whole blood viscosity on fetal growth. Zondervan HA, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jul;25(3):187–94
Intrauterine exposure to indomethacin [letter] v.d. Heijden AJ, et al. **Eur J Pediatr** 1986 Dec;145(6):579
Müllerian aplasia associated with maternal deficiency of galactose-1-phosphate uridyl transferase. Cramer DW, et al. **Fertil Steril** 1987 Jun;47(6):930–4
Placental transfer of ochratoxin A and its cytotoxic effect on the mouse embryonic brain. Fukui Y, et al. **Food Chem Toxicol** 1987 Jan;25(1):17–24
Association between adverse maternal and embryo-fetal effects in norfloxacin-treated and food-deprived rabbits. Clark RL, et al. **Fundam Appl Toxicol** 1986 Aug;7(2):272–86
Maternal and developmental toxicity of chronic aluminum exposure in mice. Golub MS, et al. **Fundam Appl Toxicol** 1987 Apr;8(3):346–57
Early fetal growth and development in mice chronically exposed to ethanol during gestation. Lee M. **Growth** 1987 Spring;51(1):146–53
Relationship between maternal and infant iron stores: 1. Full term infants. Német K, et al. **Haematologia (Budap)** 1986; 19(3):197–205
Pregnancy and HTLVIII/LAV transmission in heroin users. Robertson JR, et al. **Health Bull (Edinb)** 1986 Nov; 44(6):364–6
AIDS: outcome of children born to HTLV-III/LAV infected mothers. Report of 15 Italian cases. Aricò M, et al. **Helv Paediatr Acta** 1987 Mar;41(6):477–86
Effects of streptozotocin-induced diabetes in pregnant rats on placental transport and tissue uptake of alpha-amino-isobutyric acid. Copeland AD Jr, et al. **Horm Metab Res** 1987 Feb;19(2):57–61
Fetal-maternal transfer of [H3]-6 beta-hydroxycortisol in the pregnant ewe. Lai PC, et al. **Horm Metab Res** 1986 Aug; 18(8):526–9
Fetal and maternal thyroid hormones. Morreale de Escobar G, et al. **Horm Res** 1987;26(1–4):12–27 (41 ref.)
Transplacental uptake of WR 2721 by the rat embryo. Davis ME, et al. **Int J Radiat Oncol Biol Phys** 1987 Apr; 13(4):575–8
Congenital malformations and transplacental cancers. Tuchmann-Duplessis H. **Int J Tissue React** 1986;8(3):243–8
Fetal outcome following primary herpetic gingivostomatitis in early pregnancy. Morphological study and updated appraisal. Granat M, et al. **Isr J Med Sci** 1986 Jun; 22(6):455–9
Mass spectrometer system for continuous skin-surface and intravascular blood gas measurement of maternal-fetal respiration in labour. Spencer JA, et al. **J Biomed Eng** 1987 Apr;9(2):161–8
Effects of prenatal maternal stress on the pituitary adrenocortical reactivity in guinea-pig pups. Cadet R, et al. **J Dev Physiol** 1986 Dec;8(6):467–75
Effect of chronic maternal hyperkalaemia on plasma, cerebrospinal fluid and brain interstitial fluid potassium in developing rats. Keep RF, et al. **J Dev Physiol** 1987 Feb; 9(1):89–95
Nitrogen flux across ovine maternal and fetal hindquarters during fasting. Lemons JA, et al. **J Dev Physiol** 1987 Apr; 9(2):151–8
Effect of restriction of placental growth on oxygen delivery to and consumption by the pregnant uterus and fetus. Owens JA, et al. **J Dev Physiol** 1987 Apr;9(2):137–50
A study of the relationship between placental non-haem iron and iron transfer in the guinea pig: the maturation of the transfer process. van Dijk JP, et al. **J Dev Physiol** 1986 Oct;8(5):347–54
Pharmacology of lemongrass (Cymbopogon citratus Stapf). II. Effects of daily two month administration in male and female rats and in offspring exposed "in utero".Souza Formigoni ML, et al. **J Ethnopharmacol** 1986 Jul; 17(1):65–74
Umbilical blood pressures and utero-placental blood flow in spontaneously hypertensive rats. Azar S, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S369–71
Transfer of antibodies directed to paternal major histocompatibility class I antigens from pregnant mice to the developing fetus. Adeniyi-Jones SC, et al. **J Immunol** 1987 Mar 1;138(5):1408–15
Fatal perinatal hepatitis: a case report and summary of current recommendations [published erratum appears in J La State Med Soc 1987 Jul;139(7):17] Pearce FB, et al. **J La State Med Soc** 1987 Jun;139(6):42–4
Intrauterine transmission of hepatitis B virus is closely related to placental leakage. Ohto H, et al. **J Med Virol** 1987 Jan; 21(1):1–6
A study of maternofetal iron transfer in the riboflavin-deficient rat. Powers HJ. **J Nutr** 1987 May; 117(5):852–6
Effect of dietary protected lipids on the essential fatty acid status of the newborn kid. Soares MC. **J Nutr** 1986 Aug; 116(8):1473–9
Group B streptococcus: the pregnant woman and her neonate. Gaffney SE, et al. **J Obstet Gynecol Neonatal Nurs** 1987 Mar–Apr;16(2):91–6
Transplacental passage of acyclovir [letter] **J Pediatr** 1987 Jan;110(1):164–5
Transplacental passage of intravenous immunoglobulin [letter] Etches PC, et al. **J Pediatr** 1987 Jul;111(1):154–5
The concentration of bupivacaine in fetal organs during obstetrical epidural analgesia. Müller-Holve W, et al. **J Perinat Med** 1986;14(4):219–25
Low clearance of cimetidine across the human placenta. Ching MS, et al. **J Pharmacol Exp Ther** 1987 Jun; 241(3):1006–9
Development of [3H]nicotine binding sites in brain regions of rats exposed to nicotine prenatally via maternal injections or infusions. Slotkin TA, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):232–7
Calcium transport across the isolated dually perfused human placental lobule. Abramovich DR, et al. **J Physiol (Lond)** 1987 Jan;382:397–410
Influence of the fetal pituitary-adrenal axis on fetal and maternal progesterone and unconjugated oestrogen concentrations in the pig. Randall GC, et al. **J Reprod Fertil** 1986 Sep;78(1):65–72
Immunological relationships between murine surrogate mothers and transplanted embryos, as studied by local GVH reactivity. Cibotti R, et al. **J Reprod Immunol** 1986 Nov;9(3):225–36
Naturally acquired tolerance to dietary antigen: effect of in utero and perinatal exposure on subsequent humoral immune competence in the rat. Nicklin S, et al. **J Reprod Immunol** 1987 Feb;10(2):167–76
Partial characterization of uterine cells responsible for suppression of murine maternal anti-fetal immune responses. Tawfik OW, et al. **J Reprod Immunol** 1986 Nov; 9(3):213–24
The safety of aspartame [letter] **JAMA** 1987 Jul 10; 258(2):205–6
Promoting effect of 12-O-tetradecanoylphorbol-13-acetate on neurogenic microtumors initiated by transplacental exposure to N-ethyl-N-nitrosourea. Kokunai T, et al. **Jpn J Cancer Res** 1987 Jun;78(6):534–6
In-utero exposure to benzodiazepines [letter] **Lancet** 1987 Mar 14;1(8533):627–8
Transplacental transmission of hepatitis B virus [letter] Li L, et al. **Lancet** 1986 Oct 11;2(8511):872
Transplacental transmission of hepatitis B virus [letter] Panda SK, et al. **Lancet** 1986 Oct 18;2(8512):919–20
Ranitidine as an antacid in elective cesarean delivery and its placenta transfer—a preliminary report. Liu HS, et al. **Ma Tsui Hsueh Tsa Chi** 1985 Mar;23(1):18–21
Mother to newborn and infant transmission of hepatitis B infections. How VJ. **Malays J Pathol** 1985 Aug;7:11–6
Theory of the etiology of human toxemia of pregnancy: fetal hyperinsulinemia as a compensatory response to decreased uterine blood flow. Bonds DR, et al. **Med Hypotheses** 1987 Jul;23(3):225–31
Correlation between the number of placental opioid receptors, mode of delivery, and maternal narcotic use. Ahmed MS, et al. **Membr Biochem** 1986;6(3):255–67
Expression of c-sis and platelet-derived growth factor in in vitro-transformed glioma cells from rat brain tissue transplacentally treated with ethylnitrosourea. Lens PF, et al. **Mol Cell Biol** 1986 Oct;6(10):3537–40
Fetal antigenicity and maternal immunoreactivity. Factors in mental retardation. Gualtieri CT. **Monogr Am Assoc Ment Defic** 1987;(8):33–69
Functional teratogenic effects of chemicals on the developing brain. Swaab DF, et al. **Monogr Neural Sci** 1986;12:45–57
Transplacentally acquired digitoxin induced bradycardia in a neonate. Van Gundy JC, et al. **Nebr Med J** 1986 Aug; 71(8):300–2
Reduction of the volume of the sexually dimorphic nucleus of the preoptic area by in utero ethanol exposure in male rats. Rudeen PK. **Neurosci Lett** 1986 Dec 23;72(3):363–8
Fetal-placental-maternal uptake of aluminum in mice following gestational exposure: effect of dose and route of administration. Cranmer JM, et al. **Neurotoxicology** 1986 Summer;7(2):601–8
Maternal drug therapy: effect on fetal and neonatal growth and neurobehavior. Hill RM, et al. **Neurotoxicology** 1986 Summer;7(2):121–39
Fetomaternal kinetics of 14C-trimethyltin. Lipscomb JC, et al. **Neurotoxicology** 1986 Summer;7(2):581–90
Maternally mediated exposure of the fetus: in utero exposure to lead and other toxins. Silbergeld EK. **Neurotoxicology** 1986 Summer;7(2):557–68 (30 ref.)
Maternal exposure to environmental chemicals. Tabacova S. **Neurotoxicology** 1986 Summer;7(2):421–40 (140 ref.)
Diethylstilbestrol-related clear-cell adenocarcinoma in women with initial examinations demonstrating no malignant disease. Kramer MS, et al. **Obstet Gynecol** 1987 Jun;69(6):868–71
What's new in transplacental carcinogenesis? Berry C. **Pathol Res Pract** 1986 Aug;181(4):452–5 (21 ref.)
Transplacental effects of endotoxemia on fetal mouse brain, bone, and placental tissue. Haesaert B, et al. **Pediatr Pathol** 1986;5(2):167–81
Human fetal lung changes associated with maternal smoking during pregnancy. Chen MF, et al. **Pediatr Pulmonol** 1987 Jan–Feb;3(1):51–8
Fetal intravenous nutritional supplementation ameliorates the development of embolization-induced growth retardation in sheep. Charlton V, et al. **Pediatr Res** 1987 Jul;22(1):55–61
Preserved fetal plasma amino acid concentrations in the presence of maternal hypoaminoacidemia. Domenech M, et al. **Pediatr Res** 1986 Nov;20(11):1071–6
Blood group antigens on fetal red cells obtained by umbilical vein puncture under ultrasound guidance: a rapid hemagglutination test to check for contamination with maternal blood. Habibi B, et al. **Pediatr Res** 1986 Nov; 20(11):1082–4
IgG subclasses and antibodies to group B streptococci,

pneumococci, and tetanus toxoid in preterm neonates after intravenous infusion of immunoglobulin to the mothers. Morell A, et al. **Pediatr Res** 1986 Oct;20(10):933–6

Lactate production and absence of gluconeogenesis from placental transferred substrates in fetuses from fed and 48–H starved rats. Palacin M, et al. **Pediatr Res** 1987 Jul; 22(1):6–10

Hypertrichosis and congenital anomalies associated with maternal use of minoxidil. Kaler SG, et al. **Pediatrics** 1987 Mar;79(3):434–6

Naltrexone blocks the effects of prenatal stress on sexual behavior differentiation in male rats. Ward OB, et al. **Pharmacol Biochem Behav** 1986 Sep;25(3):573–6

Placental and blood–CSF transfer of intramuscularly administered atropine in the same person. Kanto J, et al. **Pharmacol Toxicol** 1987 Feb;60(2):108–9

Transfer of effects from environmentally enriched and impoverished female rats to future offspring. Dell PA, et al. **Physiol Behav** 1987;39(2):187–90

Placental transfer of calcium to the ovine fetus and its regulation. Care AD. **Proc Nutr Soc** 1987 Jul;46(2):321–9 (33 ref.)

Teratogenic effects in mice exposed to single dose of X–rays and prolonged administration of caffeine during pregnancy. Auerbach BA, et al. **Rocz Panstw Zakl Hig** 1986; 37(4):273–7

Genes, manganese, and zinc in formation of otoconia: labeling, recovery, and maternal effects. Erway LC, et al. **Scan Electron Microsc** 1986;(Pt 4):1681–94

Arachidonic acid metabolites in the perinatal period—Part I. **Semin Perinatol** 1986 Oct;10(4):241–355

Pathways of arachidonic acid metabolism with specific application to the fetus and mother. Mitchell MD. **Semin Perinatol** 1986 Oct;10(4):242–54

Arachidonic acid metabolites and the regulation of placental and other vascular tone during pregnancy. Parisi VM, et al. **Semin Perinatol** 1986 Oct;10(4):288–98

Purification and quantification of arachidonate metabolites: critical evaluation of methods and interpretation of results. Wu–Wang CY, et al. **Semin Perinatol** 1986 Oct; 10(4):255–69

Passively acquired autoimmunity and the maternal fetal dyad in systemic lupus erythematosus. Buyon J, et al. **Springer Semin Immunopathol** 1986;9(2–3):283–304 (83 ref.)

Transplacental transfer of acquired factor VIII: C inhibitor [letter] Broxson EH, et al. **Thromb Haemost** 1987 Feb 3; 57(1):126

Absence of transplacental passage of pentosan polysulfate during mid trimester of pregnancy. Forestier F, et al. **Thromb Haemost** 1986 Dec 15;56(3):247–9

Low molecular weight heparin (CY 216) does not cross the placenta during the third trimester of pregnancy [letter] Forestier F, et al. **Thromb Haemost** 1987 Apr 7;57(2):234

Placental transfer of Org 10172, a low–molecular weight heparinoid, in the awake late–pregnant guinea pig. Peeters LL, et al. **Thromb Res** 1986 Nov 1;44(3):277–83

Low teratogenicity of 13–cis–retinoic acid (isotretinoin) in the mouse corresponds to low embryo concentrations during organogenesis: comparison to the all–trans isomer. Kraft JC, et al. **Toxicol Appl Pharmacol** 1987 Mar 15; 87(3):474–82

Binding of mercury to metallothionein–like protein in fetal liver of the guinea pig following in utero exposure to mercury vapor. Yoshida M, et al. **Toxicol Lett** 1987 Jun; 37(1):1–6

Transplacental effects of carcinogens and non–carcinogens on activities of pyruvate kinase and lactate dehydrogenase as well as isozymic pattern of LDH in mouse lung. Rády P, et al. **Toxicology** 1982;24(3–4):251–7

Fetomaternal transplacental hemorrhage during pregnancy and after delivery. Bowman JM, et al. **Vox Sang** 1986; 51(2):117–21

Biochemical development of the rat lung: studies on cellular DNA, RNA and protein content in relation to maternal vitamin A status. Sharma HS, et al. **Z Ernahrungswiss** 1987 Jun;26(2):116–24

[Transplacental and milk transfer of 203Pb from mother to fetus and suckling mice] Ding XC. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Jul; 20(4):199–201 (Eng. Abstr.) **(Chi)**

[Behavioral features of the fetus, the neonate and the infant caused by maternal neurotropic drug ingestion. Feto–infantile pharmaco and iatrogenic etiopathology] Babin JP, et al. **Arch Fr Pediatr** 1986 Aug–Sep;43(7):517–23 (87 ref.) **(Fre)**

[Withdrawal syndrome in the newborn infant of a mother taking paregoric (letter)] Challier P, et al. **Arch Fr Pediatr** 1987 Jan;44(1):66 **(Fre)**

[Neonatal myocardial infarct associated with maternal–fetal infection due to Coxsackie B4 virus] Garel D, et al. **Arch Fr Pediatr** 1986 Aug–Sep;43(7):495–6 (Eng. Abstr.) **(Fre)**

[Preliminary study on transplacental transfer of fluoride. Apropos of 41 mother–infant couples] Caldera R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(6):731–5 (Eng. Abstr.) **(Fre)**

[Transmission of HIV (Human Immunodeficiency Virus) from mother to child. Apropos of 16 cases] Berrebi A, et al. **Rev Fr Gynecol Obstet** 1987 Jan;82(1):25–8 (Eng. Abstr.) **(Fre)**

[Specific antibodies to herpes simplex virus, cytomegalovirus and rubella virus: distribution in amniotic fluid and blood] Dennin RH, et al. **Geburtshilfe Frauenheilkd** 1986 Dec; 46(12):873–6 (Eng. Abstr.) **(Ger)**

[Lipoproteins in labor. Qualitative and quantitative studies in mother and child] Brockerhoff P, et al. **Gynakol Rundsch** 1987;27(1):10–21 (Eng. Abstr.) **(Ger)**

[Detection of caffeine, theophylline and theobromine in the umbilical cord blood and breast milk] Bucher HU, et al. **Helv Paediatr Acta** 1985 Jul;40(2–3):163–7 (Eng. Abstr.) **(Ger)**

[Doppler ultrasound in obstetrics] Vetter K. **Ultraschall Med** 1987 Apr;8(2):70–7 (Eng. Abstr.) **(Ger)**

[Composition of intervillous thrombi from maternal and fetal blood] Gille J, et al. **Z Geburtshilfe Perinatol** 1986 May–Jun;190(3):133–6 (Eng. Abstr.) **(Ger)**

[AIDS in a child with a LAV/HTLV–III infected mother] von Kries R, et al. **Z Geburtshilfe Perinatol** 1986 Nov–Dec; 190(6):279–81 (Eng. Abstr.) **(Ger)**

[Behavior of DDT in fetal and newborn rats] Kujawa M, et al. **Z Gesamte Hyg** 1986 Aug;32(8):468–70 (Eng. Abstr.) **(Ger)**

[Ultrasound studies of blood flow in the umbilical vein] Pál A, et al. **Zentralbl Gynakol** 1987;109(11):715–21 (Eng. Abstr.) **(Ger)**

[Assessment of uteroplacental circulation with radioisotopes] Rosati P, et al. **Zentralbl Gynakol** 1987;109(11):705–14 (Eng. Abstr.) **(Ger)**

[Prenatal and galactogenic infections with Toxocara mystax Zeder 1800 (Anisakidae) in the mouse] Schön J, et al. **Zentralbl Veterinarmed [B]** 1986 Aug;33(6):397–412 (Eng. Abstr.) **(Ger)**

[Normal range of alpha–fetoprotein in amniotic fluid and maternal plasma] Monti E, et al. **Minerva Ginecol** 1987 May;39(5):315–20 (Eng. Abstr.) **(Ita)**

[Prevention of perinatal transmission of type B viral hepatitis] Zucchinetti P, et al. **Pathologica** 1985 Nov–Dec; 77(1052):675–81 (Eng. Abstr.) **(Ita)**

[Pharmacokinetic and clinical studies of ceftazidime in perinatal period] Cho N, et al. **Jpn J Antibiot** 1986 Aug; 39(8):2225–46 (Eng. Abstr.) **(Jpn)**

[Ceftazidime: placental transfer and pharmacokinetic parameters in the third trimester pregnancy] Fujimoto S, et al. **Jpn J Antibiot** 1986 Aug;39(8):2219–24 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetic studies on aztreonam in late pregnancy in sheep and humans] Fujimoto S, et al. **Jpn J Antibiot** 1986 Oct;39(10):2632–8 (Eng. Abstr.) **(Jpn)**

[Studies of aztreonam transfer into the fetus and amniotic fluid in early pregnancy] Fujimoto S, et al. **Jpn J Antibiot** 1986 Oct;39(10):2639–42 (Eng. Abstr.) **(Jpn)**

[Metabolic fate of 14C–isepamicin sulfate (14C–HAPA–B) in rats. III. Placental transfer and excretion into milk] Iwasaki M, et al. **Jpn J Antibiot** 1987 Jan;40(1):259–66 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical evaluation of ceftazidime in the perinatal period] Matsunami K, et al. **Jpn J Antibiot** 1986 Aug;39(8):2247–62 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetic and clinical studies of cefotiam during the perinatal period in pregnant women] Ninomiya K, et al. **Jpn J Antibiot** 1986 Sep;39(9):2519–24 (Eng. Abstr.) **(Jpn)**

[Clinical studies on the effect of imipenem/cilastatin sodium on infections in obstetrics and gynecology. Tissue concentrations and clinical effects] Oomomo Y, et al. **Jpn J Antibiot** 1986 May;39(5):1342–9 (Eng. Abstr.) **(Jpn)**

[A study on ceftazidime in the perinatal period] Takase Z, et al. **Jpn J Antibiot** 1986 Aug;39(8):2273–9 (Eng. Abstr.) **(Jpn)**

[Study on cefotiam in the perinatal period] Takase Z, et al. **Jpn J Antibiot** 1986 Sep;39(9):2534–42 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetic and clinical studies of cefotiam in the perinatal period] Yamamoto T, et al. **Jpn J Antibiot** 1986 Sep;39(9):2525–33 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies on ceftazidime in the perinatal period] Yamamoto T, et al. **Jpn J Antibiot** 1986 Aug;39(8):2263–71 (Eng. Abstr.) **(Jpn)**

[Morphine concentrations in the serum following epidural administration—venous serum levels and placental transfer] Matsubayashi S. **Masui** 1986 Sep;35(9):1347–57 (Eng. Abstr.) **(Jpn)**

[Metabolism of pregnenolone sulfate in feto–placental unit] Komatsuzaki K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul; 39(7):1095–102 (Eng. Abstr.) **(Jpn)**

[Dynamics of the fetal–maternal exchange after amniocentesis in pregnancy with Rh incompatibility] Doraczyński H, et al. **Ginekol Pol** 1986 Nov;57(11):698–701 **(Pol)**

[Passage of neodymium, samarium, europium and terbium to fetuses and the utero–placental space after intravenous contamination of rats] Marciniak M, et al. **Rocz Panstw Zakl Hig** 1987;38(1):90–6 (Eng. Abstr.) **(Pol)**

[Nosologic and morphofunctional characteristics of the lungs of fetuses and newborn infants with mothers having extragenital chronic inflammatory diseases] Bubnova NI. **Akush Ginekol (Mosk)** 1987 Feb;(2):57–9 (Eng. Abstr.) **(Rus)**

[Characteristics of placental antigen isosensitization in the mother–fetus system in late pregnancy toxicosis] Fazleeva LK. **Akush Ginekol (Mosk)** 1987 Apr;(4):19–21 **(Rus)**

[Clinical picture and treatment of pneumonia in full–term newborn infants during the 1st days of life] Levitskaia SK, et al. **Akush Ginekol (Mosk)** 1987 Jan;(1):63–4 **(Rus)**

[Principles of the systems approach to studying the relation between mother and fetus] Savchenkov IuI. **Akush Ginekol (Mosk)** 1987 Jan;(1):3–7 **(Rus)**

[Modifying effect of methylcobalamin in organ cultures of the mouse kidney when administered transplacentally in combination with N–nitrosoethylurea] Golenko OD, et al. **Eksp Onkol** 1986;8(4):23–8 (Eng. Abstr.) **(Rus)**

[New possibilities in the diagnosis of the state of fetoplacental circulation and its use in clinical fetal pharmacology] Kováč R, et al. **Cas Lek Cesk** 1986 Dec 12;125(50):1537–40 (Eng. Abstr.) **(Slo)**

[Thrombosis of the pulmonary artery associated with maternal deficiency of antithrombin III] Martín Montaner MI, et al. **An Esp Pediatr** 1987 Feb;26(2):115–7 (Eng. Abstr.) **(Spa)**

[Dietary protein level during pregnancy. Its influence on maternal–fetal exchange of substrates] Marcos A, et al. **Arch Latinoam Nutr** 1986 Sep;36(3):443–55 (Eng. Abstr.) **(Spa)**

[Heterosexual transmission of the human immunodeficiency virus and passage of immunoglobulins to the fetus (letter)] Carballo Arceo E, et al. **Med Clin (Barc)** 1987 May 9; 88(18):738 **(Spa)**

DRUG EFFECTS

Disposition of acute, multiple–dose ethanol in the near–term pregnant ewe. Brien JF, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):204–11

Cyclooxygenase inhibition reduces placental transfer: reversal by carbacyclin. Kuhn DC, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):194–8

Effects of ethanol on rat placental and fetal hepatocyte transport of amino acids. Henderson GI, et al. **Ann NY Acad Sci** 1987;492:224–32

Placental transfer of drugs. Chamberlain G. **Clin Exp Obstet Gynecol** 1986;13(3–4):107–12 (4 ref.)

Maternal and fetal response to the intrapartum use of butorphanol. Wyatt RA, et al. **J Arkansas Med Soc** 1986 Dec;83(7):286–9

Maternal and fetal characteristics affecting alcohol's teratogenicity. Abel EL, et al. **Neurobehav Toxicol Teratol** 1986 Jul–Aug;8(4):329–34 (54 ref.)

Perinatal toxicology and the law. Morris RA, et al. **Neurobehav Toxicol Teratol** 1986 Jul–Aug;8(4):363–7 (33 ref.)

Clinical obstetric use of arachidonic acid metabolites and potential adverse effects. Jacobs MM. **Semin Perinatol** 1986 Oct;10(4):299–315

Inhibition of arachidonic acid metabolism in the perinatal period: pharmacology, clinical application, and potential adverse effects. Witter FR, et al. **Semin Perinatol** 1986 Oct; 10(4):316–33

[Caffeine and pregnancy] Schneider KT. **Gynakologe** 1987 Jun;20(2):123–8 **(Ger)**

[Heart function in infants and small children, whose mothers required tocolysis with hexoprenaline sulfate (Gynipral)] Trittenwein G, et al. **Wien Klin Wochenschr** 1986 Sep 26; 98(18):613–7 (Eng. Abstr.) **(Ger)**

[Placental circulation in simultaneous beta–stimulation using hexoprenaline and beta–1 blockade with celiprolol] Schurz AR, et al. **Z Geburtshilfe Perinatol** 1987 Jan–Feb; 191(1):29–33 (Eng. Abstr.) **(Ger)**

[Effect of injections of parturients with trental on the transfer of exogenous glucose to the fetus] Kucheriavenko AN. **Akush Ginekol (Mosk)** 1987 Feb;(2):63 **(Rus)**

RADIATION EFFECTS

[Obstetric aspects of radiation exposure following the Chernobyl accident] Lechner W, et al. **Wien Klin Wochenschr** 1986 Dec 5;98(23):803–5 (Eng. Abstr.) **(Ger)**

MATERNAL HEALTH SERVICES

The death of Amilcar. A case study from Santo Antao/Cabo Verde. Reitmaier P. **Ann Soc Belg Med Trop** 1987;67 Suppl 1:111–5

Comprehensive programs for pregnant teenagers and teenage parents: how successful have they been? Weatherley RA, et al. **Fam Plann Perspect** 1986 Mar–Apr;18(2):73–8

Innovative child health projects. Soni–Raleigh V. **Indian J Pediatr** 1986 Nov–Dec;53(6):699–724

Supplementary nutrition programmes for mothers and children in Himachal Pradesh. Sharma M, et al. **Indian Pediatr** 1986 Sep;23(9):705–11

Perinatal and infant mortality in urban slums under I.C.D.S. scheme. Thora S, et al. **Indian Pediatr** 1986 Aug;23(8):595–8

Present status and newer approaches towards maternal and child health services delivery system in India. Sehgal PN. **J Commun Dis** 1986 Sep;18(3):147–56

Government involvement in maternal and child health care. A learning resource for the nurse–midwife. Halpern S. **J Nurse Midwifery** 1987 Jan–Feb;32(1):33–40

A retrospective comparison of certified nurse–midwife and physician management of low risk births. A pilot study. Mayes F, et al. **J Nurse Midwifery** 1987 Jul–Aug; 32(4):216–21

Midwifery work exchange project in Nicaragua. Pascoe M, et al. **J Nurse Midwifery** 1987 Mar–Apr;32(2):101–4
Are outcomes compromised when mothers are assigned to birth centers for care? Scupholme A, et al. **J Nurse Midwifery** 1987 Jul–Aug;32(4):211–5
Maternal–child health in Brazil. Beckmann CA. **J Obstet Gynecol Neonatal Nurs** 1987 Jul–Aug;16(4):238–41
Appropriate technology following birth. **Lancet** 1986 Dec 13;2(8520):1387–8
Mothers and babies in prison. Elton PJ. **Lancet** 1987 Aug 29;2(8557):501–2
The obstetrical practice of a community–based family practice residency program, 1982–1985. Menscer D. **NC Med J** 1986 Sep;47(9):425–7
Social support in improving perinatal outcome: the Resource Mothers Program. Heins HC Jr, et al. **Obstet Gynecol** 1987 Aug;70(2):263–6
Having a baby in Europe, report on a study. **Public Health Rev** 1986;14(3–4):255–383
Some experiments with factors that might affect the response of mothers to a postal questionnaire. Cartwright A. **Stat Med** 1986 Nov–Dec;5(6):607–17
Integrating health services into an MCH–FP program in Matlab, Bangladesh: an analytical update. DeGraff DS, et al. **Stud Fam Plann** 1986 Sep–Oct;17(5):228–34
The influence of health care on contraceptive acceptance in rural Mexico. Potter JE, et al. **Stud Fam Plann** 1987 May–Jun;18(3):144–56
[Analysis of the work of the national network of Genetic Counseling Services between 1978 and 1985] László J, et al. **Orv Hetil** 1987 May 24;128(21):1079–84 (Eng. Abstr.) **(Hun)**
[Antenatal care at a health clinic] Graff–Iversen S, et al. **Tidsskr Nor Laegeforen** 1986 Sep 30;106(27):2251–2 (Eng. Abstr.) **(Nor)**
[Social aspects of children's health] Luk'ianova EM. **Pediatriia** 1987;(1):5–8 **(Rus)**
[Development of health care for women and mothers within the 7th 5–year–plan and prospects for the 8th 5–year–plan in Slovakia] Bruchác D. **Cesk Gynekol** 1986 Dec; 51(10):765–8 **(Slo)**
[Experience in a unit for pregnant adolescents] Martínez Aliaga E, et al. **Rev Chil Obstet Ginecol** 1985;50(2):127–39 (Eng. Abstr.) **(Spa)**
[Opinion profile and use of maternal–child health services in Tijuana] Jasis M. **Salud Publica Mex** 1987 Jan–Feb; 29(1):73–83 (Eng. Abstr.) **(Spa)**

ECONOMICS

Paying for maternity care. Gold RB, et al. **Fam Plann Perspect** 1985 May–Jun;17(3):103–11
Medicaid expenditures for maternity and newborn care in America [published erratum appears in Fam Plann Perspect 1986 Jul–Aug;18(4):196] Kenney AM, et al. **Fam Plann Perspect** 1986 May–Jun;18(3):103–10
Public benefits and costs of government funding for abortion. Torres A, et al. **Fam Plann Perspect** 1986 May–Jun; 18(3):111–8
Medicaid measure broadens care for women, children. Firshein J. **Hospitals** 1986 Dec 5;60(23):27–8
RWJ provides grants for women and infants. Newald J. **Hospitals** 1987 Oct 5;61(19):102

LEGISLATION & JURISPRUDENCE

Alabama's rescue plan for mothers and children. Fox CE 3d. **Ala Med** 1987 Apr;56(10):25–7
Responding to the needs of children with chronic illness. The Title V approach. McPherson M. **Rheum Dis Clin North Am** 1987 Apr;13(1):105–11 (0 ref.)

ORGANIZATION & ADMINISTRATION

Regionalization revisited [editorial] Kanto WP Jr. **Am J Dis Child** 1987 Apr;141(4):403–4
Teen Pregnancy Service. An interdisciplinary health care delivery system utilizing certified nurse–midwives. Goldberg BD, et al. **J Nurse Midwifery** 1986 Nov–Dec; 31(6):263–9
The Johns Hopkins Adolescent Pregnancy Program: an evaluation. Hardy JB, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):300–6
[Prenatal and postnatal care services in the People's Republic of Benin. Prevent or cure?] Alihonou E, et al. **Rev Fr Gynecol Obstet** 1987 Feb;82(2):89–95 **(Fre)**
[The structure of pregnancy and childbirth monitoring in East Germany] Sarembe B. **Gynakol Rundsch** 1986;26 Suppl 2:15–21 **(Ger)**
[Responsibilities and cooperation of the physician and public health nurse in maternal counseling] Kellner R. **Z Arztl Fortbild (Jena)** 1987;81(6):267–9 **(Ger)**
[Maternal health care in the USSR] Frolova OG, et al. **Akush Ginekol (Mosk)** 1987 May;(5):3–8 **(Rus)**
[Concern for human health in the resolutions of the 27th Congress of the CPSU (editorial)] Kiriushchenkov AP. **Akush Ginekol (Mosk)** 1986 Jul;(7):3–5 **(Rus)**
[Organization of the Maternal and Child Health Service in the Democratic Republic of Afghanistan] Kamyar N, et al. **Sov Zdravookhr** 1986;(9):61–6 (Eng. Abstr.) **(Rus)**

STANDARDS

Are isolated maternity units run by general practitioners dangerous? [letter] Osborne JP. **Br Med J [Clin Res]** 1987 May 16;294(6582):1291
The safe motherhood initiative: a call to action. Mahler H. **Lancet** 1987 Mar 21;1(8534):668–70
Evaluating improvements in multistaged health care: the risk–care–outcome cycle. Barell V, et al. **QRB** 1986 Nov; 12(11):404–7
Preconception—a much neglected aspect of perinatal care. Leonard TA. **Wis Med J** 1987 Jan;86(1):13–7

SUPPLY & DISTRIBUTION

The choice of place of delivery. Effect of hospital level on mortality in all singleton births in New York City. Paneth N, et al. **Am J Dis Child** 1987 Jan;141(1):60–4
Diversity in provision and utilization of maternal and child health care in an urban area of Brazil. Cesar CL, et al. **Ann Trop Paediatr** 1986 Sep;6(3):167–74
Abortion services in the United States, 1984 and 1985. Henshaw SK, et al. **Fam Plann Perspect** 1987 Mar–Apr; 19(2):63–70
The health lifeline: out of the reach of women and children? Friedman E. **Hospitals** 1986 Oct 20;60(20):46–51
Obstetrical services in Tennessee. Wadley FS. **J Tenn Med Assoc** 1987 Feb;80(2):94–5

TRENDS

The future role of midwives [letter] Roseveare MP. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):53
Programs to assist indigent pregnant women. **Iowa Med** 1986 Sep;76(9):438–9
Iowa Healthy Mothers, Healthy Babies Coalition. Hein HA, et al. **Iowa Med** 1986 Sep;76(9):399–400
Childbirth in the eighties: what next? When alternatives become mainstream. Flanagan JA. **J Nurse Midwifery** 1986 Jul–Aug;31(4):194–9
[Basic directions of a comprehensive targeted program for maternal and child health protection to the year 2000 in the Mongolian People's Republic] Shagdarsurén M. **Sov Zdravookhr** 1986;(8):63–6 (Eng. Abstr.) **(Rus)**
[Medical services for pregnant women in rural locales and measures for reducing perinatal morbidity and mortality] Timoshenko LV, et al. **Vestn Akad Med Nauk SSSR** 1987; (4):56–60 (Eng. Abstr.) **(Rus)**

UTILIZATION

Preliminary report on a prepregnancy counselling clinic. Smith NC, et al. **Br J Hosp Med** 1987 Apr;37(4):320, 322–3
Use of maternal and child health services and immunization coverage in Panama and Guatemala. Monteith RS, et al. **Bull Pan Am Health Organ** 1987;21(1):1–15
Determinants of the utilization of maternal and child health services in Jordan. Abbas AA, et al. **Int J Epidemiol** 1986 Sep;15(3):404–7
Use of maternal–child health services and contraception in Guatemala and Panama. Warren CW, et al. **J Biosoc Sci** 1987 Apr;19(2):229–43
Births and perinatal deaths in Mitchell's Plain. Rip MR, et al. **S Afr Med J** 1986 Dec 20;70(13):827–30
[Makeup of parturients from other cities in Moscow] Dubinskaia EL. **Sov Zdravookhr** 1987;(7):24–6 **(Rus)**

MATERNAL MORTALITY

Reproductive mortality in the United States: recent trends and methodologic considerations. Rosenberg MJ, et al. **Am J Public Health** 1987 Jul;77(7):833–6
Anaesthetic contribution to maternal mortality. Morgan M. **Br J Anaesth** 1987 Jul;59(7):842–55 (86 ref.)
Death rates from stroke in England and Wales predicted from past maternal mortality. Barker DJ, et al. **Br Med J [Clin Res]** 1987 Jul 11;295(6590):83–6
Obstetric care, social class, and maternal mortality. Loudon I. **Br Med J [Clin Res]** 1986 Sep 6;293(6547):606–8
The faith assembly. A follow–up study of faith healing and mortality. Spence C, et al. **Indiana Med** 1987 Mar; 80(3):238–40
Maternal mortality in developing countries [letter] Thuriaux MC, et al. **Int J Epidemiol** 1986 Sep;15(3):429
Maternal mortality—a twelve–year survey at the University of Ilorin Teaching Hospital (U.I.T.H.) Ilorin, Nigeria. Adetoro OO. **Int J Gynaecol Obstet** 1987 Apr;25(2):93–8
The impact of early medical technology on maternal mortality in late 19th century Sweden. Högberg U, et al. **Int J Gynaecol Obstet** 1986 Aug;24(4):251–61
Viral hepatitis as a major cause of maternal mortality in Addis Ababa, Ethiopia. Kwast BE, et al. **Int J Gynaecol Obstet** 1987 Apr;25(2):99–106
Maternal mortality in the Maltese Islands. Savona–Ventura C, et al. **Int J Gynaecol Obstet** 1987 Aug;25(4):283–90
Hospital deaths in a high risk obstetric population: Karawa, Zaire. Smith JB, et al. **Int J Gynaecol Obstet** 1986 Jun; 24(3):225–34
The safe motherhood initiative: a call to action. Concluding statement of the International Safe Motherhood Conference. (Nairobi, 10–13 February 1987). **Int Nurs Rev** 1987 Jul–Aug;34(4):110–1
Maternal health in subsaharan Africa [editorial] **Lancet** 1987 Jan 31;1(8527):255–7
Literacy, parity, family planning, and maternal mortality in the Third World [letter] Labbok MH. **Lancet** 1986 Oct 11;2(8511):865–6
The safe motherhood initiative: a call to action. Mahler H. **Lancet** 1987 Mar 21;1(8534):668–70
Maternal mortality—an avoidable catastrophe. Manoj M. **Middle East J Anesthesiol** 1986 Oct;8(6):453–62
Toward prevention of maternal mortality [letter] Kemmerer DL. **N Engl J Med** 1987 Aug 27;317(9):574–5
Maternal mortality in Massachusetts. Trends and prevention. Sachs BP, et al. **N Engl J Med** 1987 Mar 12;316(11):667–72
Maternal mortality review 1983–1984–1985. Rumbolz WL. **Nebr Med J** 1987 Feb;72(2):38–9
Maternal mortality review 1983–1984–1985 [letter] Walburn J. **Nebr Med J** 1987 Apr;72(4):121
Maternal mortality in South Carolina from 1970 to 1984: an analysis. Gabel HD. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):307–11
The epidemiology and pathology of maternal mortality: Charity Hospital of Louisiana in New Orleans, 1965–1984. Lehmann DK, et al. **Obstet Gynecol** 1987 Jun;69(6):833–40
Maternal mortality in southern Africa, 1980–1982. Part I. Pregnancy can be lethal. Boes EG. **S Afr Med J** 1987 Feb 7;71(3):158–60
The magnitude of the maternal mortality problem in sub–Saharan Africa. Boerma T. **Soc Sci Med** 1987; 24(6):551–8 (50 ref.)
Levels of maternal mortality in developing countries. Boerma JT. **Stud Fam Plann** 1987 Jul–Aug;18(4):213–21
The importance of family planning in reducing maternal mortality. Fortney JA. **Stud Fam Plann** 1987 Mar–Apr; 18(2):109–14
Maternal mortality in Addis Ababa, Ethiopia. Kwast BE, et al. **Stud Fam Plann** 1986 Nov–Dec;17(6 Pt 1):288–301
Reproductive mortality in Lusaka, Zambia, 1982–1983. Mhango C, et al. **Stud Fam Plann** 1986 Sep–Oct; 17(5):243–51
Assessing the role of family planning in reducing maternal mortality. Winikoff B, et al. **Stud Fam Plann** 1987 May–Jun; 18(3):128–43
Maternal mortality: helping women off the road to death. **WHO Chron** 1986;40(5):175–83
[Analysis of the cause and rate of regional maternal death in 21 provinces, municipalities and autonomous regions] Zhang LM, et al. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Jul;21(4):195–7, 251 (Eng. Abstr.) **(Chi)**
[Cesarean section; numbers and mortality in the Netherlands] Hoogendoorn D. **Ned Tijdschr Geneeskd** 1987 Jun 20; 131(25):1087–9 (Eng. Abstr.) **(Dut)**
[Maternal mortality in the Netherlands and in various other European countries] Hoogendoorn D. **Ned Tijdschr Geneeskd** 1987 Jun 20;131(25):1084–7 (Eng. Abstr.) **(Dut)**
[Dutch perinatal mortality from an international viewpoint (letter)] Hoogendoorn D. **Ned Tijdschr Geneeskd** 1987 Jul 18;131(29):1279–80 **(Dut)**
[Maternal and perinatal mortality in Piedmont and Aosta Valley from 1968 to 1983] Trossarelli GF, et al. **Minerva Ginecol** 1987 Jan–Feb;39(1–2):1–13 (Eng. Abstr.) **(Ita)**
[Mortality in adolescence with special reference to maternal mortality, Brazil, 1980] de Siqueira AA, et al. **Rev Saude Publica** 1986 Aug;20(4):274–9 (Eng. Abstr.) **(Por)**

MATERNAL WELFARE

see related
MATERNAL HEALTH SERVICES

Causes of low birth weight births in public and private patients. Meis PJ, et al. **Am J Obstet Gynecol** 1987 May; 156(5):1165–8
Maternal health during childhood and later reproductive performance. Emanuel I. **Ann NY Acad Sci** 1986;477:27–39 (85 ref.)
Where should low weight babies be born? [letter] **Br Med J [Clin Res]** 1986 Nov 29;293(6559):1437
The responsibility for protecting fetuses [letter] **Hastings Cent Rep** 1987 Jun;17(3):25–6
Risk factors in mothers and newborn. Karan S, et al. **Indian J Pediatr** 1987 Jan–Feb;54(1):35–40
The safe motherhood initiative: a call to action. Concluding statement of the International Safe Motherhood Conference. (Nairobi, 10–13 February 1987). **Int Nurs Rev** 1987 Jul–Aug;34(4):110–1
Maternal health in Third World [letter] Rosenfield A, et al. **Lancet** 1987 Mar 21;1(8534):691
Homeless in New York: the youngest victims. Vermund SH, et al. **NY State J Med** 1987 Jan;87(1):3–5
[Women's attitudes to antenatal care, delivery and the postpartum period. I. Antenatal care] Myrén CJ, et al. **Ugeskr Laeger** 1986 Dec 8;148(50):3395–7 (Eng. Abstr.) **(Dan)**
[Antenatal care at a health clinic] Graff–Iversen S, et al. **Tidsskr Nor Laegeforen** 1986 Sep 30;106(27):2251–2 (Eng. Abstr.) **(Nor)**
[Health during pregnancy and the 1st year of life in Puerto Rico: progress toward the nation health objectives for 1990 (VII)] Rigau–Pérez JG. **Bol Asoc Med PR** 1986 Jun; 78(6):244–52 (Eng. Abstr.) **(Spa)**
[Quality of information and various indicators of maternal–child health in the Hispanic population of the United States] Peck MG. **Salud Publica Mex** 1987 Jan–Feb; 29(1):65–72 (Eng. Abstr.) **(Spa)**

TRENDS

[Results of the cooperation of socialist countries in maternal and child welfare within the Comecon framework 1981–1985 and its prospects in the next Five-Year Plan] Eristavi GV, et al. **Akush Ginekol (Mosk)** 1986 Aug; (8):69–71 **(Rus)**

[Medico-social aspects of protection of the fetus and newborn infant] Luk'ianova EM.
Vestn Akad Med Nauk SSSR 1987;(4):19–23 **(Rus)**

MATERNALLY-ACQUIRED IMMUNITY see IMMUNITY, MATERNALLY-ACQUIRED

MATHEMATICAL COMPUTING

Binding of lipoproteins to inert materials revisited with computer-assisted analysis. Mendel CM.
Biochim Biophys Acta 1987 Apr 3;918(2):205–7

Computer program for the parametric and nonparametric comparison of several groups to a control. Blaker WD.
Comput Biol Med 1987;17(1):37–44

A subroutine for rounding of numbers. Program in BASIC and for programmable calculators. Brodthagen UA.
Comput Biol Med 1987;17(1):45–51

A microcomputer program for fitting enzyme inhibition rate equations. Oestreicher EG, et al. **Comput Biol Med** 1987; 17(1):53–67

Spectral and cross-spectral analysis of heart rate and arterial blood pressure variability signals. Baselli G, et al.
Comput Biomed Res 1986 Dec;19(6):520–34

Revised formulation of the Hodgkin–Huxley representation of the sodium current in cardiac cells. Drouhard JP, et al. **Comput Biomed Res** 1987 Aug;20(4):333–50

An interactive computer program for the analysis of growth curves. Guo S, et al. **Comput Biomed Res** 1987 Feb; 20(1):37–48

Balancing allocation of subjects in biomedical research: a minimization strategy based on ranks. Hoehler FK.
Comput Biomed Res 1987 Jun;20(3):209–13

A nonlinear modeling procedure applied to hippocampal convulsant activity. Jennings LW, et al.
Comput Biomed Res 1987 Aug;20(4):396–404

A fast algorithm for the computation of the plasma concentration time curve and confidence limits in linear pharmacokinetics. Lago PJ. **Comput Biomed Res** 1987 Aug; 20(4):373–83

Computerized estimation of lactate threshold. Lundberg MA, et al. **Comput Biomed Res** 1986 Oct;19(5):481–6

The interpretation of ligand displacement experiments: calculations for multisite acceptors. Rajkowski KM, et al.
Comput Biomed Res 1987 Aug;20(4):324–32

Spectral methods for principal components analysis of event-related brain potentials. Rawlings RR, et al.
Comput Biomed Res 1986 Dec;19(6):497–507

Using Vmax to estimate changes in the sodium membrane conductance in cardiac cells. Roberge FA, et al.
Comput Biomed Res 1987 Aug;20(4):351–65

A computer program for variance function estimation, with particular reference to immunoassay data. Sadler WA, et al. **Comput Biomed Res** 1987 Feb;20(1):1–11

Interactive statistical analysis of survival data. Simon R, et al. **Comput Biomed Res** 1987 Feb;20(1):49–54

An interactive program for determining tentative gene assignments from immunological data. Wohlgemuth A.
Comput Biomed Res 1987 Feb;20(1):76–84

Computer programs for the analysis of protein fluorescence quenching data. Chang RS, et al.
Comput Methods Programs Biomed 1987 Feb;24(1):37–9

Computer program for calculation of kinetic and pharmacologic parameters using a 'direct linear plot' derived algorithm. Kaminski ZW, et al.
Comput Methods Programs Biomed 1987 Feb;24(1):41–5

A simple BASIC program for the calculation of nonparametric confidence intervals in bioequivalence testing. Meineke I. **Comput Methods Programs Biomed** 1987 Feb;24(1):65–71

Reading, storing and statistical calculation of weight data. Schliack M. **Comput Methods Programs Biomed** 1987 Feb; 24(1):73–5

Buoyant density and molecular weight calculations on an Apple II microcomputer from equilibrium banding experiment on analytical ultracentrifuge. Thanaraj TA, et al. **Comput Methods Programs Biomed** 1987 Jun; 24(3):189–93

Testing correlated "EEG-like" data for normality using a modified Kolmogorov–Smirnov statistic. Weiss MS.
IEEE Trans Biomed Eng 1986 Dec;33(12):1114–20

Calculation of Hill slopes predicted by the four ligand exponential model for a regulatory enzyme. Ainsworth S, et al. **Int J Biomed Comput** 1986 Nov;19(3–4):279–88

LILLY—a linear least squares curve fitting program for one independent variable. Aubert AE, et al.
Int J Biomed Comput 1987 Jan;20(1–2):9–19

The Programming Environment for Statistical Tabulation. Johns KA. **Int J Biomed Comput** 1986 Nov;19(3–4):161–73

A computational frame to study social behaviour in animals. Mira J, et al. **Int J Biomed Comput** 1986 Nov; 19(3–4):201–18

Conceptual subtleties of the percentile—a reply [letter] Lun KC. **Int J Epidemiol** 1987 Mar;16(1):139–40

Intraocular lens calculation formulas for new intraocular lens implants. Barrett GD. **J Cataract Refract Surg** 1987 Jul; 13(4):389–96

Evaluation of radioimmunoassays: comparison of dose interpolation calculations by four parameter logistic and spline functions. Kraupp M, et al.
J Clin Chem Clin Biochem 1986 Dec;24(12):1023–8

Numerical analysis of normalized whole-cell protein profiles after sodium dodecyl sulphate–polyacrylamide gel electrophoresis. Plikaytis BD, et al. **J Gen Microbiol** 1986 Sep;132 (Pt 9):2653–60

Quantitative scintigraphy with deconvolutional analysis for the dynamic measurement of hepatic function. Tagge EP, et al. **J Surg Res** 1987 Jun;42(6):605–12

Fisher's Exact Test: an easy-to-use statistical test for comparing outcomes. Blevins L, et al. **MD Comput** 1985 Jan–Feb;2(1):15–9, 68

Descriptive data analysis: a concept between confirmatory and exploratory data analysis. Abt K. **Methods Inf Med** 1987 Apr;26(2):77–88

Nonparametric analysis of treatment-response tables by bipredictive configural frequency analysis. Lienert GA, et al. **Methods Inf Med** 1987 Apr;26(2):89–92

Computerized 99mTc-pertechnetate thyroid uptake measurement—development of a clinically useful system. Wu C, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Nov; 85(11):1039–48

[Methods and examples of epidemiological analysis by using a calculator with programs] He SP.
Chung Hua Liu Hsing Ping Hsueh Tsa Chih 1987 Apr; 8(2):117–22 **(Chi)**

[Computing the confidence limits for a percentage of a binomial population] Jin PH, et al.
Chung Hua Yu Fang I Hsueh Tsa Chih 1986 Nov; 20(6):336–9 (Eng. Abstr.) **(Chi)**

[Scatchard plot methods and its parameters solution] Zhu QL. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Dec;8(6):466–72 (Eng. Abstr.) **(Chi)**

[Model-free biomathematical analysis and description of correlations] Peil J, et al. **Acta Histochem (Jena)** 1986; 80(1):87–99 (Eng. Abstr.) **(Ger)**

[Numerical computer simulation of the distribution of thoracic potentials in the human] Brauer H, et al.
Biomed Tech (Berl/n) 1987 Mar;32(3):34–40 (Eng. Abstr.) **(Ger)**

[Non-linear least square method with microcomputer using simplex method] Kudoh Y, et al. **Kokyu To Junkan** 1986 Nov;34(11):1181–6 **(Jpn)**

MATHEMATICS

Sex role orientation, level of cognitive development and mathematics performance in late adolescence. Plake BS, et al. **Adolescence** 1986 Fall;21(83):607–13

Problem size and mentally retarded children's judgment of commutativity. Baroody AJ. **Am J Ment Defic** 1987 Jan; 91(4):439–42

Muscle weakness and the power law [letter] Gandevia SC.
Am Rev Respir Dis 1986 Oct;134(4):844–5

Fractal modeling of biological structures. Barnsley MF, et al. **Ann NY Acad Sci** 1987;504:179–94

Applications of nonlinear dynamics to clinical cardiology. Goldberger AL, et al. **Ann NY Acad Sci** 1987;504:195–213

Fractal time and 1/f noise in complex systems. Schlesinger MF. **Ann NY Acad Sci** 1987;504:214–28

"Role of mathematical modeling in protocol formulation in cancer chemotherapy" [letter] Rosen R.
Cancer Treat Rep 1986 Dec;70(12):1461–2

Scanning in medicine and other fields. Cormack AM.
Cell Biophys 1986 Dec;9(1–2):151–69

Intelligence, cognition, confusion, dementia and the law of three and a half: toward a new mathematical equation of sleep. Liberson WT. **Electromyogr Clin Neurophysiol** 1986 Aug–Sep;26(5–6):309–14

The negative binomial model and the denominator problem in a rural family practice. Anderson JE, et al.
Fam Pract 1986 Sep;3(3):174–83

Denominator definition by the utilization correction factor method. Mayo F, et al. **Fam Pract** 1986 Sep;3(3):184–91

Mathematical models from laws of growth to tools for biologic analysis: fifty years of "Growth" Zeger SL, et al. **Growth** 1987 Spring;51(1):1–21 (66 ref.)

Definition of the geometric area of a microelectrode tip by plasma etching of Parylene. Levy BP, et al.
IEEE Trans Biomed Eng 1986 Nov;33(11):1046–9

Dose distributions of model 6702 I-125 seeds in water. Schell MC, et al. **Int J Radiat Oncol Biol Phys** 1987 May; 13(5):795–9

The effects of visual-spatial and verbal skills on written and mental arithmetic. Solan HA. **J Am Optom Assoc** 1987 Feb; 58(2):88–94

Summation in the chimpanzee (Pan troglodytes). Rumbaugh DM, et al. **J Exp Psychol [Anim Behav]** 1987 Apr; 13(2):107–15

Cognitive arithmetic: comparison of operations. Miller K, et al. **J Exp Psychol [Learn Mem Cogn]** 1984 Jan; 10(1):46–60

Simulating memory by numbers [news] Maddox J. **Nature** 1987 Jan 1–7;325(6099):11

Robust spectral analysis of the EEG. Molinari L, et al.
Neuropsychobiology 1986;15(3–4):208–18

Improvement of deficits in mnemonic rhyme for multiplication in Japanese aphasics. Kashiwagi A, et al.
Neuropsychologia 1987;25(2):443–7

Mathematical disabilities. Garnett K, et al. **Pediatr Ann** 1987 Feb;16(2):159–62, 167–8, 170–6

Idiot savant calendrical calculators: rules and regularities. Hermelin B, et al. **Psychol Med** 1986 Nov;16(4):885–93

Analysis of the relationship between anxiety about mathematics and performance. Adams NA, et al.
Psychol Rep 1986 Oct;59(2 Pt 2):943–8

Differences between skin resistance and skin conductance responses with respect to change over trials: a mathematical explanation [letter] Velden M, et al. **Psychophysiology** 1986 Nov;23(6):713–5

Is female math anxiety real? [letter] Segal SL. **Science** 1987 Jul 24;237(4813):350

[Use of linear quadratic models in practice] Strnad V, et al.
Cesk Radiol 1987 Jan;41(1):22–7 (Eng. Abstr.) **(Cze)**

[Vector analytic evaluation of clinico-gerontologic data] Beier W. **Z Gerontol** 1987 May–Jun;20(3):136–40 (Eng. Abstr.) **(Ger)**

[Boundary element fundamentals for mathematical model simulation] Kagawa Y. **Iyodenshi To Seitai Kogaku** 1986 Jun;24(3):145–51 (42 ref.) **(Jpn)**

MATING BEHAVIOR, ANIMAL see SEX BEHAVIOR, ANIMAL

MATRIX BANDS see under DENTAL INSTRUMENTS

MATRIX, EXTRACELLULAR see EXTRACELLULAR MATRIX

MATTRESSES see BEDS

MAXILLA

Fragment of broken instrument removed from field of operation by an electromagnet. Johansson B, et al.
Br J Oral Maxillofac Surg 1987 Jun;25(3):265–6

A comparison of bupivacaine to lidocaine with respect to duration in the maxilla and mandible. Teplitsky PE, et al.
Can Dent Assoc J 1987 Jun;53(6):475–8

An esthetic removable partial denture retainer for the maxillary canine. Hansen CA, et al. **J Prosthet Dent** 1986 Aug;56(2):199–203

Localizing a foreign body. Cordero F Jr.
Oral Surg Oral Med Oral Pathol 1987 Mar;63(3):389

Osteomyelitis of the maxilla in a patient with osteopetrosis (Albers-Schönberg disease). Crockett DM, et al.
Otolaryngol Head Neck Surg 1986 Jul;95(1):117–21

ABNORMALITIES

A case of Tessier type II clefting illustrating surgical principles. van der Meulen JC, et al. **Aust NZ J Surg** 1987 Feb;57(2):105–9

A case of thalassaemia major with gross dental and jaw deformities. Weel F, et al. **Br J Oral Maxillofac Surg** 1987 Aug;25(4):348–52

A variation in the anatomic position of the pterygomandibular raphe: report of case. Toljanic JA, et al. **J Am Dent Assoc** 1987 May;114(5):631–2

Familial variant of maxillonasal dysplasia? Gross-Kieselstein E, et al. **J Craniofac Genet Dev Biol** 1986;6(3):331–4

Hemifacial deficiency induced by a shift in dominance of the mouse mutation far: a possible genetic model for hemifacial microsomia. Juriloff DM, et al.
J Craniofac Genet Dev Biol 1987;7(1):27–44

Maxillonasal dysplasia (Binder's syndrome): a critical review and case study. Horswell BB, et al.
J Oral Maxillofac Surg 1987 Feb;45(2):114–22

Klippel-Trenaunay-Weber syndrome. Steiner M, et al.
Oral Surg Oral Med Oral Pathol 1987 Feb;63(2):208–15

Surgical correction of the nose and midface in maxillonasal dysplasia (Binder's syndrome). Holmström H.
Plast Reconstr Surg 1986 Nov;78(5):568–80

Clinical and pathologic features of maxillonasal dysplasia (Binder's syndrome): significance of the prenasal fossa on etiology. Holmström H. **Plast Reconstr Surg** 1986 Nov; 78(5):559–67

Reconstruction of cleft maxilla with periosteoplasty. Massei A. **Scand J Plast Reconstr Surg** 1986;20(1):41–4

Brachygnathia superior and degenerative joint disease: a new lethal syndrome in Angus calves. Jayo M, et al.
Vet Pathol 1987 Mar;24(2):148–55

[Use of models in surgical orthodontics] Tao CM.
Chung Hua Kou Chiang Ko Tsa Chih 1986 Nov;21(6):340–2, 383–4 (Eng. Abstr.) **(Chi)**

[Mandibular prognathic syndrome and its surgical correction by simultaneous total maxillary and mandibular osteotomies] Wang DZ.
Chung Hua Kou Chiang Ko Tsa Chih 1986 Nov;21(6):330–4, 383 (Eng. Abstr.) **(Chi)**

[Uses of Le Fort I osteotomy in the correction of dentofacial deformities: a preliminary report] Yang D.
Chung Hua Kou Chiang Ko Tsa Chih 1986 Nov;21(6):325–9, 383 (Eng. Abstr.) **(Chi)**

[Surgery of the sequelae of labionasomaxillary clefts at the end of adolescence] Merville LC. **Orthod Fr** 1985; 56(2):417–31 **(Fre)**

[The role of orthodontics in the rehabilitation of patients with cheilognathopalatoschisis. Annual scientific meeting of the German Society for Orthodontics, 30 May–2 June 1986, Mainz. Proceedings] **Fortschr Kieferorthop** 1986 Oct; 47(5):335–515 **(Ger)**

[Phoniatric and pediatric audiology viewpoints in the treatment and rehabilitation of cheilognathopalatoschisis] Biesalski P. **Fortschr Kieferorthop** 1986 Oct;47(5):446–50 (Eng. Abstr.) **(Ger)**

[Early treatment of children with cheilognathopalatoschisis. Technical modifications] Björk G. **Fortschr Kieferorthop** 1986 Oct;47(5):380–4 (Eng. Abstr.) **(Ger)**

[Orthodontic support for the developmental processes in the deciduous dentition in patients with cheilognathopalatoschisis] Dausch-Neumann D. **Fortschr Kieferorthop** 1986 Oct;47(5):459–66 (Eng. Abstr.) **(Ger)**

[Status of the dentition in patients with cheilognathopalatoschisis] Hochstein HJ. **Fortschr Kieferorthop** 1986 Oct;47(5):451–8 (Eng. Abstr.) **(Ger)**

[Orthodontic goals and results of the treatment of cheilognathopalatoschisis using the Viennese concept] Hoffmann D, et al. **Fortschr Kieferorthop** 1986 Oct; 47(5):429–45 (Eng. Abstr.) **(Ger)**

[Expansion of the upper dental arch of patients with cheilognathopalatoschisis] Janson I, et al. **Fortschr Kieferorthop** 1986 Oct;47(5):477–94 (Eng. Abstr.) **(Ger)**

[Effect of cheiloplasty on dentofacial development in patients with cheilognathopalatoschisis] Jonas I, et al. **Fortschr Kieferorthop** 1986 Oct;47(5):400–11 (Eng. Abstr.) **(Ger)**

[Presurgical orthodontic treatment of infants with cheilognathopalatoschisis] Komposch G. **Fortschr Kieferorthop** 1986 Oct;47(5):362–9 (Eng. Abstr.) **(Ger)**

[Orthodontic requirements for the closure of the cleft jaw] König-Toll B, et al. **Fortschr Kieferorthop** 1986 Oct; 47(5):421–8 (Eng. Abstr.) **(Ger)**

[Early care and growth of the infantile cleft jaw] Koppenburg P, et al. **Fortschr Kieferorthop** 1986 Oct;47(5):391–9 (Eng. Abstr.) **(Ger)**

[Model analysis of the maxilla in newborn infants with unilateral cheilognathopalatoschisis] Kriens O, et al. **Fortschr Kieferorthop** 1986 Oct;47(5):385–90 (Eng. Abstr.) **(Ger)**

[Uprighting and gap closure of the remaining cleft-adjacent teeth following autologous spongiosa transplantation in cheilognathopalatoschisis] Scheer P. **Fortschr Kieferorthop** 1986 Oct;47(5):495–508 **(Ger)**

[Genetic factors in the etiology of cheilognathopalatoschisis] Schulze C. **Fortschr Kieferorthop** 1986 Oct;47(5):346–55 (Eng. Abstr.) **(Ger)**

[Mechanisms of the etiology of cheilognatho(palato)schisis] Tammoscheit UG. **Fortschr Kieferorthop** 1986 Oct; 47(5):339–45 (Eng. Abstr.) **(Ger)**

[Presurgical orthodontic treatment in cheilognathopalatoschisis] Tränkmann J. **Fortschr Kieferorthop** 1986 Oct;47(5):370–9 (Eng. Abstr.) **(Ger)**

[Orthodontic treatment of the teeth of the 1st dentition in cheilognathopalatoschisis] Tränkmann J. **Fortschr Kieferorthop** 1986 Oct;47(5):467–76 (Eng. Abstr.) **(Ger)**

[Cheilognathopalatoschisis and secondary bone grafts in the alveolar process. The surgical and orthognathodontic considerations] Giuliani R, et al. **Minerva Stomatol** 1986 Nov;35(11):1127–36 (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

Chondroid bone on the upper pharyngeal jaws and neurocranial base in the adult fish Astatotilapia elegans. Huysseune A, et al. **Am J Anat** 1986 Dec;177(4):527–35

Assessment of anteroposterior jaw relationship. Chang HP. **Am J Orthod Dentofacial Orthop** 1987 Aug;92(2):117–22

An individualized approach to locating the occlusal plane. Di Paolo RJ. **Am J Orthod Dentofacial Orthop** 1987 Jul; 92(1):41–5

Effect of maxillary incisor angulation and inclination on arch length. Hussels W, et al. **Am J Orthod Dentofacial Orthop** 1987 Mar;91(3):233–9

Anatomy and development of the pterygopalatomaxillary region, studied in relation to Le Fort osteotomies. Melsen B, et al. **Ann Plast Surg** 1987 Jul;19(1):16–28

Local anaesthesia and applied anatomy. Shields PW. **Aust Dent J** 1986 Oct;31(5):319–25

Stability of the maxilla after Le Fort III advancement in craniosynostosis syndromes. Ousterhout DK, et al. **Cleft Palate J** 1986 Dec;23 Suppl 1:91–101

A method of recording change in maxillary position following orthognathic surgery. Houston VJ, et al. **Eur J Orthod** 1987 Feb;9(1):9–14

Size of the alveolar arch of the mandible in relation to that of the maxilla in 45,X females. Laine T, et al. **J Dent Res** 1986 Dec;65(12):1432–4

Head angulation and variations in the maxillomandibular relationship. Part I: The effects on the vertical dimension of occlusion. Araki NG, et al. **J Prosthet Dent** 1987 Jul; 58(1):96–100

The coronomaxillary space: literature review and anatomic description. Arbree NS, et al. **J Prosthet Dent** 1987 Feb; 57(2):186–90

Modified external reference measurement technique for vertical positioning of the maxilla. Nishioka GJ, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jul;64(1):22–3

BLOOD SUPPLY

[Revascularization after anterior maxillary and mandibular osteotomy] Yang Q, et al. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1987 Jan; 22(1):49–51 (17 ref.) **(Chi)**

GROWTH & DEVELOPMENT

Maxillary growth following LeFort III advancement surgery in Crouzon, Apert, and Pfeiffer syndromes. Bachmayer DI, et al. **Am J Orthod Dentofacial Orthop** 1986 Nov; 90(5):420–30

Quantitation of maxillary remodeling. 2. Masking of remodeling effects when an "anatomical" method of superimposition is used in the absence of metallic implants. Baumrind S, et al. **Am J Orthod Dentofacial Orthop** 1987 Jun;91(6):463–74

Quantitation of maxillary remodeling. 1. A description of osseous changes relative to superimposition on metallic implants. Baumrind S, et al. **Am J Orthod Dentofacial Orthop** 1987 Jan;91(1):29–41

Maxillary growth following total septal resection in correction of orbital hypertelorism. Lejoyeux E, et al. **Cleft Palate J** 1986 Dec;23 Suppl 1:27–39

Developmental changes of the zygomaticomaxillary suture of the rabbit. Tokioka T, et al. **Okajimas Folia Anat Jpn** 1987 Mar;63(6):387–91

Balanced facial growth: a schematic interpretation. Precious D, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jun; 63(6):637–44 (19 ref.)

PATHOLOGY

Eruption sequestrum. Ho KH. **Ann Acad Med Singapore** 1986 Jul;15(3):454–5

Extraoral traction to the maxilla with face mask: a follow-up of 17 consecutively treated patients with and without cleft lip and palate. Sarnäs KV, et al. **Cleft Palate J** 1987 Apr; 24(2):95–103

Maxillary suture obliteration: aging the human skeleton based on intact or fragmentary maxilla. Mann RW, et al. **J Forensic Sci** 1987 Jan;32(1):148–57

Multiple cemental lesions in the jaw bones of a patient with Gardner's syndrome. Takeda Y. **Virchows Arch [A]** 1987; 411(3):253–6

[Maxillary size and shape in infants and young children with Down's disease (trisomy 21)] Fischer-Brandies H, et al. **Orthod Fr** 1985;56(2):371–9 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Biomechanical effects of maxillary protraction on the craniofacial complex. Hata S, et al. **Am J Orthod Dentofacial Orthop** 1987 Apr;91(4):305–11

The effect of rapid maxillary expansion on nasal airway resistance. Timms DJ. **Br J Orthod** 1986 Oct;13(4):221–8

Photodensitometric evaluation of osseous repair following Le Fort I osteotomy. Schantz JR, et al. **J Oral Maxillofac Surg** 1986 Dec;44(12):977–86

[Objective assessment of the potentials of therapeutic sagittal action on the maxilla] Courtois J, et al. **Acta Stomatol Belg** 1986 Dec;83(4):257–68 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Metallic objects seen in radiographs of the maxilla and mandible. Flaxman NA, et al. **Am Fam Physician** 1987 Apr; 35(4):197–203

CT scan prior to installation of osseointegrated implants in the maxilla. Andersson L, et al. **Int J Oral Maxillofac Surg** 1987 Feb;16(1):50–5

Presurgical planning for osseointegrated implants in the maxilla. A tomographic evaluation of available alveolar bone and morphological relations in the maxilla. Eckerdal O, et al. **Int J Oral Maxillofac Surg** 1986 Dec;15(6):722–6

Squamous cell carcinoma of the pterygopalatine fossa (retroantral space). Slavin ML, et al. **J Clin Neuro Ophthalmol** 1986 Dec;6(4):254–7

CT of the edentulous maxilla intended for osseo-integrated implants. Fjellström CA, et al. **J Craniomaxillofac Surg** 1987 Feb;15(1):45–6

Maxillomandibular versus hands roentgenographs in the evaluation of renal osteodystrophy [letter] Innocenti M, et al. **Nephron** 1987;46(2):208–9

[Computed tomographic findings in space-occupying processes of the retromaxillary area] Brachvogel P, et al. **Fortschr Kiefer Gesichtschir** 1987;32:95–7 **(Ger)**

[Role of computerized tomography in dental implantology] Villari N, et al. **Radiol Med (Torino)** 1986 Sep;72(9):637–9 (Eng. Abstr.) **(Ita)**

SURGERY

Stability following superior repositioning of the maxilla by LeFort I osteotomy. Proffit WR, et al. **Am J Orthod Dentofacial Orthop** 1987 Aug;92(2):151–61

Orthognathic surgery for the adult patient with cleft lip and palate. Banks P. **Ann Acad Med Singapore** 1986 Jul; 15(3):346–54

The conjunctival approach to the orbital floor and maxilla--advantages and disadvantages. Jackson IT, et al. **Ann Plast Surg** 1987 Jul;19(1):46–8

Tissue conditioners as obturators in maxillofacial surgery. Loh HS, et al. **Aust Dent J** 1986 Dec;31(6):452–4

'Management of the mobile fibrous ridge in the atrophic maxilla using porous hydroxyapatite blocks' [letter] Brook IM, et al. **Br Dent J** 1987 Jun 6;162(11):413

Recovery of maxillary sinus and tooth sensibility after le Fort I osteotomy. Kahnberg KE, et al. **Br J Oral Maxillofac Surg** 1987 Feb;25(1):68–73

Relapse following surgical treatment of anterior open bite. Lansley CV, et al. **Br J Oral Maxillofac Surg** 1986 Dec; 24(6):391–404

Subtotal premaxillectomy; a salvage procedure in selected cases of bilateral cleft lip and palate. Saad MN, et al. **Br J Plast Surg** 1987 Jul;40(4):396–406

Effect of prophylactic intravenous ceftriaxone in maxillofacial surgery. Stoll P. **Chemotherapy** 1987; 33(4):291–6

Stability of Le Fort III advancement surgery in children with Crouzon's, Apert's, and Pfeiffer's syndromes. Bachmayer DI, et al. **Cleft Palate J** 1986 Dec;23 Suppl 1:69–74

Bone grafts in orthognathic and craniofacial surgery. Verdi GD, et al. **Ear Nose Throat J** 1986 Nov;65(11):506–11

Elective osteotomies and bone grafting of irradiated midfacial bones. Kawamoto HK Jr. **J Craniomaxillofac Surg** 1987 Aug;15(4):199–206

Skeletal open bite correction by combined Le Fort I osteotomy and bilateral sagittal split of the mandibular ramus. Lello GE. **J Craniomaxillofac Surg** 1987 Jun; 15(3):132–6

Postero-lateral expansion osteotomy of maxilla. A case report. Merville LC, et al. **J Craniomaxillofac Surg** 1987 Feb;15(1):20–3

Prosthetic management following bilateral total or subtotal maxillectomy. Milton CM, et al. **J Laryngol Otol** 1986 Oct; 100(10):1145–54

The Leeds modified Weber-Fergusson incision. Osborne JE, et al. **J Laryngol Otol** 1987 May;101(5):465–6

A cephalometric analysis of the Le Fort II osteotomy in the non-cleft patient. Stirrups DR, et al. **J Maxillofac Surg** 1986 Oct;14(5):260–6

Secondary management of the premaxilla in bilateral cleft lip and palate patients. Eppley BL, et al. **J Oral Maxillofac Surg** 1986 Dec;44(12):987–98

The stability of Le Fort I maxillary osteotomies in patients with simultaneous alveolar cleft bone grafts. Garrison BT, et al. **J Oral Maxillofac Surg** 1987 Sep;45(9):761–6

A new muscle transplantation operation for orbitoplasty after total maxillectomy: report of case. Ghosh P, et al. **J Oral Maxillofac Surg** 1987 Jan;45(1):76–9

Management of a ruptured pseudoaneurysm of the sphenopalatine artery following a Le Fort I osteotomy. Hemmig SB, et al. **J Oral Maxillofac Surg** 1987 Jun; 45(6):533–6

Intraoral quadrangular Le Fort II osteotomy. Keller EE, et al. **J Oral Maxillofac Surg** 1987 Mar;45(3):223–32

Technique for rigid fixation of Le Fort and palatal fractures. Mosby EL, et al. **J Oral Maxillofac Surg** 1986 Nov; 44(11):921–2

Soft tissue profile changes associated with orthognathic surgery for bimaxillary protrusion. Nadkarni PG. **J Oral Maxillofac Surg** 1986 Nov;44(11):851–4

Mandibular growth following Le Fort I osteotomy in adolescent monkeys. Nanda R, et al. **J Oral Maxillofac Surg** 1987 Jun;45(6):500–9

Facial growth subsequent to Le Fort I osteotomies in adolescent monkeys. Nanda R, et al. **J Oral Maxillofac Surg** 1987 Feb;45(2):123–36

Physiologic responses to maxillary resection and subsequent obturation. Minsley GE, et al. **J Prosthet Dent** 1987 Mar; 57(3):338–44

Elimination of mandibular labial undercut with autogenous bone graft from a maxillary tuberosity. Moenning JE, et al. **J Prosthet Dent** 1986 Aug;56(2):211–4

A prosthesis fabrication technique for the edentulous maxillary resection patient. Shifman A, et al. **J Prosthet Dent** 1986 Nov:56(5):586–92

Mandibular range of motion with rigid/nonrigid fixation. Aragon SB, et al. **Oral Surg Oral Med Oral Pathol** 1987 Apr;63(4):408–11

Superior repositioning of the maxilla by a Le Fort I osteotomy: a review of 26 patients. Greebe RB, et al. **Oral Surg Oral Med Oral Pathol** 1987 Feb;63(2):158–61

Mediastinal emphysema following Le Fort I osteotomy: report of a case. Nannini V, et al. **Oral Surg Oral Med Oral Pathol** 1986 Nov;62(5):508–9

The use of miniplates in craniomaxillofacial surgery. Beals SP, et al. **Plast Reconstr Surg** 1987 Jan;79(1):33–8

Miniplate fixation of Le Fort I osteotomies. Rosen HM. **Plast Reconstr Surg** 1986 Dec;78(6):748–55

Gum protection for arch bars [letter] Smoot EC. **Plast Reconstr Surg** 1987 May;79(5):845

[Restoration of partial maxillary defect with removable partial denture] Hou YR. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Sep;21(5):267–9 **(Chi)**

[Uses of a scopolamine compound in anesthesia in oral and maxillofacial surgery] Meng XZ. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Sep;21(5):310–1 **(Chi)**

[The zygomatic buccal flange naso-pharyngeal prong obturator used in repairing large maxillary defects] Zhou JL. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jul; 21(4):223–5, 254 (Eng. Abstr.) **(Chi)**

[Prognostic Nutritional Index. In ENT and maxillofacial

surgery] Benkiran A, et al. **Maroc Med** 1985 Sep; 7(3):674–81 (Eng. Abstr.) **(Fre)**

[Evaluation of the mid-term results of trident osteotomy using orthodontic goniometry] Boutault F, et al. **Rev Stomatol Chir Maxillofac** 1987;88(1):56–63 (Eng. Abstr.) **(Fre)**

[A double-splint procedure in preparation for simultaneous surgical correction of the position of the maxilla and mandible] Somsiri ST. **Fortschr Kieferorthop** 1987 Feb; 48(1):59–65 (Eng. Abstr.) **(Ger)**

[Vascular pedicled iliac crest transplant and its use in the jaw] Schmelzle R. **Handchir Mikrochir Plast Chir** 1986 Nov;18(6):376–8 (Eng. Abstr.) **(Ger)**

MAXILLARY ANTRUM see MAXILLARY SINUS

MAXILLARY ARTERY

INJURIES

Haemorrhage from the maxillary artery. A case report. Lownie JF, et al. **S Afr Med J** 1987 Jun 20;71(12):781–2

SURGERY

Pericardial and subcutaneous air after maxillary surgery. Sanford TJ Jr, et al. **Anesth Analg** 1987 Mar;66(3):277–9

Internal maxillary artery ligation speculum. Wurman LH, et al. **Otolaryngol Head Neck Surg** 1986 Sep;95(2):245–6

Recurrent epistaxis: microscopic endonasal clipping of the sphenopalatine artery. Sulsenti G, et al. **Rhinology** 1987 Jun;25(2):141–2

MAXILLARY DISEASES

CLASSIFICATION

[Histopathological classification and treatment of odontogenic cysts] Kalusokoma K, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1987 Apr–Jun; 30(1–2):33–64 (65 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Lichen sclerosus et atrophicus with ocular and maxillary complications. Dalziel K, et al. **Br J Dermatol** 1987 May; 116(5):735–7

Squamous cell carcinoma in an orthokeratinised odontogenic keratocyst. Siar CH, et al. **Int J Oral Maxillofac Surg** 1987 Feb;16(1):95–8

[A case of acute osteomyelitis of the maxilla in infants. Current prognosis of ocular and dental manifestations] Goodé-Jolly D, et al. **Bull Soc Ophtalmol Fr** 1986 Oct; 86(10):1141–4 **(Fre)**

DIAGNOSIS

Adenomatoid odontogenic tumor mimicking a globulo-maxillary cyst. Kuntz AA, et al. **Int J Oral Maxillofac Surg** 1986 Oct;15(5):632–6

[Paget's disease of maxillary onset (leontiasis ossea)] Ene F, et al. **Rev Chir [Otorinolaringol]** 1987 Jan–Mar;32(1):69–72 (Eng. Abstr.) **(Rum)**

ETIOLOGY

[Pyogenic infections of dental origin the oro-facial-maxillary area. Study on anaerobic bacteria] Dong YJ. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1987 Mar; 22(2):68–70 **(Chi)**

PATHOLOGY

Squamous carcinoma arising in a dental cyst. Lavery K, et al. **Br Dent J** 1987 Apr 11;162(7):259–60

A unicystic ameloblastoma mimicking a 'globulo-maxillary' cyst: a case report. van Wyk CW, et al. **Br J Oral Maxillofac Surg** 1986 Dec;24(6):422–5

Sarcoidosis with maxillary involvement. Verheijen-Breemhaar L, et al. **Int J Oral Maxillofac Surg** 1987 Feb;16(1):104–7

Aneurysmal bone cyst of the jaws. Review of the literature and report of 2 cases. Zachariades N, et al. **Int J Oral Maxillofac Surg** 1986 Oct;15(5):534–40

Multiple dentigerous cysts of the maxilla and mandible: report of a case. Norris LH, et al. **J Oral Maxillofac Surg** 1987 Aug;45(8):694–7

Squamous odontogenic tumor-like islands in a radicular cyst: report of a case. Unal T, et al. **J Oral Maxillofac Surg** 1987 Apr;45(4):346–9

A comparative study of the clinical and histological features of recurrent and non-recurrent odontogenic keratocysts. Woolgar JA, et al. **J Oral Pathol** 1987 Mar;16(3):124–8

Central giant cell lesions of the mandible and maxilla: a clinicopathologic and cytometric study. Ficarra G, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jul;64(1):44–9

Traumatic bone cyst. Kaugars GE, et al. **Oral Surg Oral Med Oral Pathol** 1987 Mar;63(3):318–24

Clinicopathologic study of the postoperative maxillary cyst. Yamamoto H, et al. **Oral Surg Oral Med Oral Pathol** 1986 Nov;62(5):544–8

RADIOGRAPHY

[Possibility of a relationship between the development of keratocysts of the maxilla and dental eruption] Cros P, et al. **Rev Stomatol Chir Maxillofac** 1986;87(3):176–8 (Eng. Abstr.) **(Fre)**

[Infected keratocyst of the maxilla] Friedrich M. **ROFO** 1987 Jul;147(1):105–7 **(Ger)**

[CT of postoperative maxillary cyst] Hashimoto M, et al. **Rinsho Hoshasen** 1987 Jan;32(1):27–31 (Eng. Abstr.) **(Jpn)**

[Value of sinusographic examination in the diagnosis of chronic maxillary sinusitis, sinus hypoplasia and orosinal fistula] Bartnik W. **Otolaryngol Pol** 1986;40(5):370–6 (Eng. Abstr.) **(Pol)**

SURGERY

Management of the mobile fibrous ridge in the atrophic maxilla using porous hydroxyapatite blocks: a preliminary report. Frame JW, et al. **Br Dent J** 1987 Mar 7;162(5):185–9

VETERINARY

Oral surgery. Radical resection of maxillary and mandibular lesions. Harvey CE. **Vet Clin North Am [Small Anim Pract]** 1986 Sep; 16(5):983–93

MAXILLARY FRACTURES

Le Fort fractures (I). A study of frequency, etiology and treatment. Kahnberg KE, et al. **Int J Oral Maxillofac Surg** 1987 Apr;16(2):154–9

COMPLICATIONS

Extensive post-traumatic subcutaneous emphysema and pneumomediastinum following a minor facial injury. Lee HY, et al. **J Oral Maxillofac Surg** 1987 Sep;45(9):812–5

Airway obstruction in LeFort fractures. Thompson JN, et al. **Laryngoscope** 1987 Mar;97(3 Pt 1):275–9

DIAGNOSIS

[Clinico-statistical study of 344 cases of fractures of the orbit-maxilla-zygoma complex] Moniaci D, et al. **Minerva Stomatol** 1987 Apr;36(4):309–14 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Jaw fractures in Malmö 1952–62 and 1975–85. Eriksson L, et al. **Swed Dent J** 1987;11(1–2):31–6

SURGERY

The surgical management of the anophthalmic syndrome with the concomitant malunion of the zygomatico-maxillary complex: review of the literature and report of a case. Collett R, et al. **J Oral Maxillofac Surg** 1987 Apr;45(4):341–5

Iatrogenic epidural hematoma complicating reduction of a zygomaticomaxillary complex fracture. Zachariades N, et al. **J Oral Maxillofac Surg** 1987 Jun;45(6):524–5

[Use of a Lambotte fibula bone forceps for the treatment of intermaxillary disjunctions] Pellerin P, et al. **Ann Chir Plast Esthet** 1987;32(1):61–3 **(Fre)**

[Orbitomaxillomalar fractures] Piette E, et al. **Ann Chir Plast Esthet** 1987;32(2):112–23 (Eng. Abstr.) **(Fre)**

[Experience with Champy's plate in maxillofacial traumatology] Inovay J, et al. **Fogorv Sz** 1987 Apr; 80(4):118–22 (Eng. Abstr.) **(Hun)**

[Use of a fiber optic instrument (broncho-fiberoscope) for intratracheal intubation] Méray J. **Orv Hetil** 1987 May 10; 128(19):997–1000 (Eng. Abstr.) **(Hun)**

[Traumatic alveolar fractures: for whose skills? A clinical case] di Lauro F, et al. **Minerva Stomatol** 1987 May; 36(5):399–407 (Eng. Abstr.) **(Ita)**

[Surgical treatment in injury to the maxillary sinus] Zuev VP, et al. **Stomatologiia (Mosk)** 1986 Nov–Dec;65(6):74–6 (Eng. Abstr.) **(Rus)**

[Personal experience in the treatment of fractures of the facial bones with emphasis on the method of intermaxillary immobilization using metal hooks] Car M, et al. **Chir Maxillofac Plast** 1986;16(1–2):9–16 (Eng. Abstr.) **(Scr)**

THERAPY

Antral packing in maxillary fractures [letter] Taylor JS. **Ear Nose Throat J** 1986 Oct;65(10):488

VETERINARY

[Luxation of a canine tooth with fracture of the alveolar wall of the maxilla in a dog] Kraaijenhagen P. **Tijdschr Diergeneeskd** 1986 Dec 15;111(24):1260–1 (Eng. Abstr.) **(Dut)**

MAXILLARY NEOPLASMS

Fibromyxoma of the maxilla. Bremer JW, et al. **Otolaryngol Head Neck Surg** 1986 Jul;95(1):112–7

[Pigmented neuroectodermal tumor in childhood. Description of a case] Cortelazzi R, et al. **Minerva Stomatol** 1987 Jan–Feb;36(1–2):65–9 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Delayed eruption associated with an odontoma. Shulman ER, et al. **ASDC J Dent Child** 1987 May–Jun;54(3):205–7

Complex odontoma: report of case. Thwaites MS, et al. **ASDC J Dent Child** 1987 Jul–Aug;54(4):286–8

Vibrio alginolyticus bacteremia in an immunocompromised patient. Janda JM, et al. **Diagn Microbiol Infect Dis** 1986 Nov;5(4):337–40

Squamous cell carcinoma in an orthokeratinised odontogenic keratocyst. Siar CH, et al. **Int J Oral Maxillofac Surg** 1987 Feb;16(1):95–8

Calcifying odontogenic cyst associated with odontoma: report of two cases. Keszler A, et al. **J Oral Maxillofac Surg** 1987 May;45(5):457–9

Biliary obstruction secondary to an extramedullary plasmacytoma of the pancreas: confusion with pancreatitis on computed tomography. Scheiman J, et al. **Pancreas** 1987; 2(2):237–9

CONGENITAL

Lymphangiomas of the alveolar ridge in a neonate: report of case. Kittle PE, et al. **ASDC J Dent Child** 1987 Jul–Aug; 54(4):277–9

Congenital epulis in the newborn. Bernhoft CH, et al. **Int J Pediatr Otorhinolaryngol** 1987 Jun;13(1):25–9

DIAGNOSIS

Dentinoma of the maxilla: report of a case. Villafañe OC, et al. **Acta Stomatol Belg** 1986 Oct;83(3):203–9

Pathology consultation. Melanotic neuroectodermal tumor of infancy. Batsakis JG. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb;96(1 Pt 1):128–9

Gardner's dento-maxillary stigmas in patients with familial adenomatosis coli. Wolf J, et al. **Br J Oral Maxillofac Surg** 1986 Dec;24(6):410–6

Calcifying epithelial odontogenic tumor (Pindborg tumor). Review of the literature and case report. Maranda G, et al. **Can Dent Assoc J** 1986 Dec;52(12):1009–12 (20 ref.)

Ewing's sarcoma of the upper jaw [letter] Gupta SC. **Ear Nose Throat J** 1987 Apr;66(4):176–7

Malanotic neuroectodermal tumor of infancy. A case report. Naik R, et al. **Indian J Pathol Microbiol** 1986 Jul; 29(3):321–4

Adenomatoid odontogenic tumor mimicking a globulo-maxillary cyst. Kuntz AA, et al. **Int J Oral Maxillofac Surg** 1986 Oct;15(5):632–6

Maxillary myxoma in a child of 11 months. A case report. James DR, et al. **J Craniomaxillofac Surg** 1987 Feb; 15(1):42–4

[Clinico-diagnostic comments on a case of Ewing's sarcoma of the maxilla] Morabito G, et al. **Minerva Stomatol** 1986 Dec;35(12):1191–4 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Pharmacokinetic study for combination therapy of cisplatin and peplomycin. Fujii M, et al. **Keio J Med** 1986 Oct; 35(4):267–75

HISTORY

Extraradicular cemental fragments in the alveolar bone of prehistoric American Indians: report of three cases. Mincer HH, et al. **Oral Surg Oral Med Oral Pathol** 1987 Feb; 63(2):192–5

MICROBIOLOGY

[Possible relation between viruses and oromaxillofacial tumors. II. Research on the presence of the SV40 antigen and specific antibodies in patients with oromaxillofacial tumors] Stoian M, et al. **Virologie** 1987 Jan–Mar;38(1):35–40 (Eng. Abstr.) **(Fre)**

[Possible relation between viruses and oromaxillofacial tumors. I. Demonstration of herpes antigens and anti-herpes antibodies] Stoian M, et al. **Virologie** 1987 Jan–Mar;38(1):25–34 (Eng. Abstr.) **(Fre)**

MORTALITY

[Clinical observation of the long-term survivors after treatment of the maxillary malignancies] Sakai S, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Apr;90(4):523–35 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Osteogenic and chondrogenic sarcomas of the jaws. Batsakis JG. **Ann Otol Rhinol Laryngol** 1987 Jul–Aug;96(4):474–5

Squamous carcinoma arising in a dental cyst. Lavery K, et al. **Br Dent J** 1987 Apr 11;162(7):259–60

A unicystic ameloblastoma mimicking a 'globulo-maxillary' cyst: a case report. van Wyk CW, et al. **Br J Oral Maxillofac Surg** 1986 Dec;24(6):422–5

A rare cause of maxillary tuberosity enlargement: Von Recklinghausen's neurofibromatosis. Watts PG, et al. **Br J Oral Maxillofac Surg** 1986 Dec;24(6):452–8

Osteosarcoma of the jaws—a series from Kaduna, Nigeria. Adekeye EO, et al. **Int J Oral Maxillofac Surg** 1987 Apr; 16(2):205–13

Nasopalatine duct cyst. Anneroth G, et al. **Int J Oral Maxillofac Surg** 1986 Oct;15(5):572–80

Combined calcifying epithelial odontogenic tumor and adenomatoid odontogenic tumor. Chong Huat Siar, et al.

Int J Oral Maxillofac Surg 1987 Apr;16(2):214–6
Chondroid osteosarcoma of the maxilla. Smith AC, et al. **Int J Oral Maxillofac Surg** 1987 Apr;16(2):232–5
Melanin-pigment in complex odontoma. Takeda Y, et al. **Int J Oral Maxillofac Surg** 1987 Apr;16(2):222–6
Multiple cemento-ossifying fibroma. Takeda Y, et al. **Int J Oral Maxillofac Surg** 1987 Jun;16(3):368–71
Osteosarcoma mimicking fibrous dysplasia of the jaw. Yamashiro M, et al. **Int J Oral Maxillofac Surg** 1987 Feb; 16(1):112–5
Ameloblastic carcinoma of the maxilla. A case report. Andersen E, et al. **J Maxillofac Surg** 1986 Dec;14(6):338–40
Ameloblastic fibro-odontoma: report of case. Hawkins PL, et al. **J Oral Maxillofac Surg** 1986 Dec;44(12):1014–9
Chondrosarcoma of the jaw: report of two cases. Molla MR, et al. **J Oral Maxillofac Surg** 1987 May;45(5):453–7
Leiomyosarcoma of the maxilla. Nishi M, et al. **J Oral Maxillofac Surg** 1987 Jan;45(1):64–8
A case of IgG lambda-type solitary plasmacytoma in the maxilla associated with amyloidosis. Saito K, et al. **J Oral Maxillofac Surg** 1987 Aug;45(8):715–8
Chondrosarcoma of the jaws. Report of two cases. Sawyer DR, et al. **J Oral Med** 1987 Jan-Mar;42(1):30–4
A comparative histological study of odontogenic keratocysts in basal cell naevus syndrome and control patients. Woolgar JA, et al. **J Oral Pathol** 1987 Feb;16(2):75–80
Teratoma of the maxilla. Gardner DG, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jul;64(1):68–71
Plexiform unicystic ameloblastoma of the maxilla. Gardner DG, et al. **Oral Surg Oral Med Oral Pathol** 1987 Feb; 63(2):221–3
Odontogenic ghost cell carcinoma. Grodjesk JE, et al. **Oral Surg Oral Med Oral Pathol** 1987 May;63(5):576–81
Malignant melanotic neuroectodermal tumor of infancy: a case report. Shokry A, et al. **Pediatr Pathol** 1986; 5(2):217–23
[Clinico-pathological features of odontogenic adenomatoid tumors in 7 cases] Huang ZM. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Dec;15(4):309–10 **(Chi)**
[Review of the recent literature apropos of a case of Burkitt's lymphoma in the maxillofacial area] Coulon JP, et al. **Rev Stomatol Chir Maxillofac** 1986;87(4):201–11 (64 ref.) (Eng. Abstr.) **(Fre)**
[Maxillary neurilemmoma. A case report] Gotte P, et al. **Rev Stomatol Chir Maxillofac** 1986;87(4):254–6 (Eng. Abstr.) **(Fre)**
[Neuroectodermal melanotic tumor of the upper jaw in childhood] Atanacković M, et al. **Srp Arh Celok Lek** 1986 Sep;114(9):867–73 (Eng. Abstr.) **(Sec)**

RADIOGRAPHY

Odontoma (report of 8 cases). Piekarczyk J, et al. **Australas Radiol** 1986 Aug;30(3):213–6
Superselective angiography with digital subtraction and embolization of a maxillary hemangioma in a patient with Eisenmenger's syndrome. Hupp JR. **J Oral Maxillofac Surg** 1986 Nov;44(11):910–6
[Calcified odontogenic cyst: apropos of a case] Caroli A, et al. **Acta Stomatol Belg** 1986 Jul;83(2):79–85 **(Fre)**
[Early radiologic signs of Burkitt's lymphoma] Peron JM, et al. **Rev Stomatol Chir Maxillofac** 1986;87(4):238–41 (Eng. Abstr.) **(Fre)**
[Myxoma of the maxilla. Demonstration of computerized tomography findings apropos of a case] Hofmann E. **ROFO** 1987 May;146(5):596–7 **(Ger)**

RADIOTHERAPY

[Radiotherapy of maxillary, pharyngeal, and laryngeal cancer] Mazaki N. **Gan No Rinsho** 1987 Mar;Spec No:311–7 **(Jpn)**
[Radiation and combination treatment of maxillary cancer using metronidazole] Andreev VG, et al. **Med Radiol (Mosk)** 1986 Nov;31(11):26–30 (Eng. Abstr.) **(Rus)**

SECONDARY

Glomangiosarcoma with metastasis to the maxilla. Kreutz RW, et al. **Int J Oral Maxillofac Surg** 1987 Feb;16(1):116–8
Metastatic breast cancer in the maxilla. Green TL, et al. **J Oral Med** 1986 Oct-Dec;41(4):250–1
Esophageal adenocarcinoma metastatic to the maxilla. Tideman H, et al. **Oral Surg Oral Med Oral Pathol** 1986 Nov;62(5):564–8

SURGERY

Malignancy of the maxillae [letter] Hazarika P, et al. **Ear Nose Throat J** 1986 Dec;65(12):575–6
Odontogenic myxoma of the maxilla. Pratt MF, et al. **Otolaryngol Head Neck Surg** 1987 Mar;96(3):292–6
[Use of the neck dissection in the treatment of the oro-maxillo-facial cancer] Liu SX. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jan;21(1):5–7, 61 (Eng. Abstr.) **(Chi)**
[Prosthetic rehabilitation after maxillary resection. Case report] Somo G, et al. **Fogorv Sz** 1987 Jan;80(1):13–6 (Eng. Abstr.) **(Hun)**
[Use of the CO2 laser beam in combined maxillofacial operations] Sidorov SD. **Vestn Khir** 1987 Apr;138(4):49–51 (Eng. Abstr.) **(Rus)**

THERAPY

Malignant tumours of the maxilla. Management and follow-up results of treatment of 128 patients. Bartkowski SB, et al. **J Maxillofac Surg** 1986 Dec;14(6):332–7
[Surgical and orthodontic aspects of preserving retained teeth in the therapy of odontomas] Berthold H, et al. **Schweiz Monatsschr Zahnmed** 1987;97(1):28–32 (Eng. Abstr.) **(Ger)**
[Results of several combination modalities for maxillary cancer] Nishio M, et al. **Gan No Rinsho** 1986 Oct; 32(12):1503–9 (Eng. Abstr.) **(Jpn)**
[Multidisciplinary treatment of maxillary cancer] Konno A, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1772–80 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

[The image of maxillary sinus cancer in the scanning electron microscope. Preliminary report] Kuś J, et al. **Otolaryngol Pol** 1986;40(5):332–8 (Eng. Abstr.) **(Pol)**

VETERINARY

Complex odontoma in a stallion. Dubielzig RR, et al. **Vet Pathol** 1986 Sep;23(5):633–5

MAXILLARY NERVE

GROWTH & DEVELOPMENT

Successive waves of differentiation of cutaneous afferents in rat mystacial skin. Munger BL, et al. **J Comp Neurol** 1986 Oct 15;252(3):404–14

INJURIES

Quantitative histochemical and microchemical changes in the adult mouse central nervous system after section of the infraorbital and optic nerves. Yip VS, et al. **Brain Res** 1987 Mar 17;406(1-2):157–70

PHYSIOLOGY

Control of a teleost social signal. I. Neural basis for differential expression of a color pattern. Muske LE, et al. **J Comp Physiol [A]** 1987 Jan;160(1):89–97

SURGERY

[Early changes in the pituitary after bilateral superior maxillary neurotomy] Galán Cortés JC, et al. **An Otorrinolaringol Ibero Am** 1986;13(4):339–44 (Eng. Abstr.) **(Spa)**

MAXILLARY SINUS

The pathogenesis of maxillary sinus pneumoceles. Wolfensberger M, et al. **Arch Otolaryngol Head Neck Surg** 1987 Feb;113(2):184–6
Sewing needle as an antral foreign body. Holmes A. **Br Dent J** 1987 Feb 21;162(4):153–4
Impression material presenting in the maxillary antrum as a foreign body. Winstock D, et al. **Br Dent J** 1986 Jan 25;160(2):54–5
Congenital sinus cyst in a foal. Sanders-Shamis M, et al. **J Am Vet Med Assoc** 1987 Apr 15;190(8):1011–2
Maxillary sinus aspiration in children. What are the indications? Shone GR. **J Laryngol Otol** 1987 May; 101(5):461–4
Disseminated intravascular coagulation associated with infection secondary to carcinoma of the maxillary sinus. Saito R, et al. **J Oral Maxillofac Surg** 1986 Nov; 44(11):917–20
Root in the maxillary sinus. Barclay JK. **Oral Surg Oral Med Oral Pathol** 1987 Aug;64(2):162–4
Facial pain of uncommon origin. Haidar Z. **Oral Surg Oral Med Oral Pathol** 1987 Jun;63(6):748–9
Mucous retention cyst of the maxillary sinus. Ruprecht A, et al. **Oral Surg Oral Med Oral Pathol** 1986 Dec; 62(6):728–31
Pressure-induced expansion of the maxillary sinus. A rare entity. Sobin A, et al. **Rhinology** 1986 Dec;24(4):283–6
[The value of maxillary sinus irrigation in children with maxillary sinusitis using the Waters film] Maes JJ, et al. **Acta Otorhinolaryngol Belg** 1986;40(4):570–81 (Eng. Abstr.) **(Dut)**
[Mucoceles of the maxillary sinus] Diop EM, et al. **Ann Otolaryngol Chir Cervicofac** 1987;104(2):143–5 (Eng. Abstr.) **(Fre)**
[Primary cervico-facial amylosis. Apropos of a case] Uziel A, et al. **Ann Otolaryngol Chir Cervicofac** 1986; 103(4):279–82 (Eng. Abstr.) **(Fre)**
[Sinusal-dental tomography and dental origin of chronic sinusitis] Wayoff M, et al. **Ann Otolaryngol Chir Cervicofac** 1987;104(1):45–9 (Eng. Abstr.) **(Fre)**
[Mucocele of the maxillary sinus: apropos of 3 cases] Lory D, et al. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(1):71–6 (Eng. Abstr.) **(Fre)**
[Ultrasonic studies using the maxillary sinus as an example] Düker J. **Fortschr Kiefer Gesichtschir** 1987;32:127–9 **(Ger)**
[Place of ultrasound in A-scan procedures in the diagnosis of maxillary sinus diseases] Wehrbein H, et al. **Fortschr Kiefer Gesichtschir** 1987;32:142–4 **(Ger)**
[Localized intracavitary mucormycosis of the maxillary sinus in a patient without discernible predisposition] Develey R, et al. **Mykosen** 1987 May;30(5):210–4 (Eng. Abstr.) **(Ger)**
[Maxillary sinusitis due to foreign bodies introduced during dentistry] Konstantinov D, et al. **Radiol Diagn (Berl)** 1986; 27(4):501–6 (Eng. Abstr.) **(Ger)**
[Results of maxillary sinus irrigation in childhood] Schmidt HJ, et al. **Z Arztl Fortbild (Jena)** 1986;80(17):711–3 **(Ger)**
[Unusual aspect of an antro-choanal polyp in a child] Perroni L, et al. **Minerva Pediatr** 1987 Mar 31;39(5–6):201–4 (Eng. Abstr.) **(Ita)**
[Long-term presence of foreign bodies (teflon tubes) in the maxillary sinuses] Konstantinova NP, et al. **Vestn Otorinolaringol** 1987 May-Jun;(3):73–4 **(Rus)**
[Foreign body of the maxillary sinus and orbit] Korotaevskiĭ AV. **Vestn Otorinolaringol** 1987 Jul-Aug;(4):67–8 **(Rus)**
[Mucocele of the maxillary sinus in a child] Mikhlin EA. **Vestn Otorinolaringol** 1987 Jan-Feb;(1):69–70 **(Rus)**
[Ossifying cyst of the maxillary sinus] Vasil'ev AI, et al. **Vestn Otorinolaringol** 1987 Mar-Apr;(2):73–4 **(Rus)**
[Hysterical blindness as a complication of puncture of the maxillary sinus] Vasil'ev AI, et al. **Vestn Otorinolaringol** 1986 Sep-Oct;(5):78–9 **(Rus)**
[Cholesteatoma of the maxillary sinus] Raouf-Mahmod, et al. **An Otorrinolaringol Ibero Am** 1986;13(4):359–67 (Eng. Abstr.) **(Spa)**
[Cholesteatoma of the maxillary sinus. Apropos of a case] Seijas Rosales T, et al. **An Otorrinolaringol Ibero Am** 1986; 13(6):585–92 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

[Nathanael Highmore (1613–1685) and the maxillary sinus] Wendler D. **Anat Anz** 1986;162(5):375–80 (Eng. Abstr.) **(Ger)**
[Cross-sectional analysis of the postoperative maxillary sinus] Watanabe I, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Aug;89(8):1012–7 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Effects of neurokinin A and calcitonin gene-related peptide on mucociliary activity in rabbit maxillary sinus. Lindberg S, et al. **Regul Pept** 1986 Dec 1;16(1):15–25

GROWTH & DEVELOPMENT

Unilateral congenital choanal atresia and maxillary sinus development. Diner PA, et al. **J Maxillofac Surg** 1986 Oct; 14(5):285–8

IMMUNOLOGY

The role of neurokinin A and calcitonin gene-related peptide in the mucociliary defence of the rabbit maxillary sinus. Mercke U, et al. **Rhinology** 1987 Jun;25(2):89–93

INJURIES

Antral packing in maxillary fractures [letter] Taylor JS. **Ear Nose Throat J** 1986 Oct;65(10):488
[Surgical treatment in injury to the maxillary sinus] Zuev VP, et al. **Stomatologiia (Mosk)** 1986 Nov-Dec;65(6):74–6 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Microbial flora of nose and paranasal sinuses in chronic maxillary sinusitis. Almadori G, et al. **Rhinology** 1986 Dec; 24(4):257–64
Predictive value of nasal bacterial culture for etiological agents in acute maxillary sinusitis. Savolainen S, et al. **Rhinology** 1987 Mar;25(1):49–55

PATHOLOGY

Giant ossifying fibroma of the maxillary sinus. Vuolo SJ, et al. **J Oral Med** 1986 Jul-Sep;41(3):152–5
Gray-scale (B-mode) sonography of the maxillary sinus. Nelson AW, et al. **J Ultrasound Med** 1986 Sep;5(9):477–81
Mucoceles of the maxillary sinus. Gardner DG, et al. **Oral Surg Oral Med Oral Pathol** 1986 Nov;62(5):538–43
Histological and ultrastructural findings on mucocele of maxillary sinus. Proto E, et al. **ORL J Otorhinolaryngol Relat Spec** 1986;48(6):345–50
[Incidence of maxillary sinusitis in intensive care patients with nasal intubation—ultrasonic diagnosis as a screening test] Bockmeyer M, et al. **HNO** 1987 Jul;35(7):282–5 (Eng. Abstr.) **(Ger)**
[Histological investigation on the penetration into the maxillary sinus of apatite implant] Takei S. **Kokubyo Gakkai Zasshi** 1986 Jun;53(2):453–99 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Recovery of maxillary sinus and tooth sensibility after le Fort I osteotomy. Kahnberg KE, et al. **Br J Oral Maxillofac Surg** 1987 Feb;25(1):68–73

RADIOGRAPHY

Antroscopy: its place in clinical practice. A comparison of antroscopic findings with radiographic appearances of the maxillary sinus. Pfleiderer AG, et al. **Clin Otolaryngol** 1986

Dec;11(6):455-61
[Densitometry using the copper step wedge for X-ray opacity of the maxillary sinus] Suzaki H. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Sep;89(9):1190-200 (Eng. Abstr.) **(Jpn)**
[A case of long-term presence of foreign bodies in the maxillary sinus] Golov IuG, et al. **Voen Med Zh** 1987 May; (5):68 **(Rus)**

SURGERY

Pericardial and subcutaneous air after maxillary surgery [letter] Orr DL 2d. **Anesth Analg** 1987 Sep;66(9):921
Nasal and paranasal sinus surgery in children with cystic fibrosis. Crockett DM, et al. **Ann Otol Rhinol Laryngol** 1987 Jul-Aug;96(4):367-72
Maxillary sinus mucoceles [letter] Clifton NA, et al. **Ear Nose Throat J** 1987 Feb;66(2):80-1
Fundamental considerations of the design and function of intranasal antrostomies. Lund VJ. **J R Soc Med** 1986 Nov; 79(11):646-9
Endoscopic middle meatal antrostomy: theory, technique, and patency. Kennedy DW, et al. **Laryngoscope** 1987 Aug; 97(8 Pt 3 Suppl 43):1-9
[Middle meatotomy: a solution to the containment of the sinus] Chamayou P. **Rev Laryngol Otol Rhinol (Bord)** 1986; 107(5):379-82 (Eng. Abstr.) **(Fre)**
[Surgical treatment of chronic recurrent sinusitis--the Caldwell-Luc versus a functional endoscopic technic] Stammberger H, et al. **HNO** 1987 Mar;35(3):93-105 (Eng. Abstr.) **(Ger)**
[Therapeutic limits of endonasal fenestration of the maxillary sinus] Reck R. **Laryngol Rhinol Otol (Stuttg)** 1986 Dec; 65(12):673-5 (Eng. Abstr.) **(Ger)**
[An evaluation of the multidisciplinary treatment of carcinoma of the maxillary antrum in head and neck surgery] Matsuura S, et al. **Gan No Rinsho** 1986 Oct; 32(13):1737-41 (Eng. Abstr.) **(Jpn)**

MAXILLARY SINUS NEOPLASMS see under **PARANASAL SINUS NEOPLASMS**

MAXILLOFACIAL DEVELOPMENT

see related

CEPHALOMETRY

Change in facial shape in micro-, macro- and normocephalics. Lavelle CL. **Acta Anat (Basel)** 1986; 126(4):248-54
Late skeletal development at the articulation between upper pharyngeal jaws and neurocranial base in the fish, Astatotilapia elegans, with the participation of a chondroid form of bone. Huysseune A. **Am J Anat** 1986 Sep; 177(1):119-37
Prenatal growth of the median face. Siebert JR. **Am J Med Genet** 1986 Oct;25(2):369-79
A polynomial approach to craniofacial growth: description and comparison of adolescent males with normal occlusion and those with untreated Class II malocclusion. Buschang PH, et al. **Am J Orthod Dentofacial Orthop** 1986 Nov; 90(5):437-42
Craniofacial growth data for cleft lip patients infancy to 6 years of age: potential applications. Friede H, et al. **Am J Orthod Dentofacial Orthop** 1986 Nov;90(5):388-409
Treatment with an orthopedic appliance system in relation to treatment intensity and growth periods. A study of initial effects. Maimgren O, et al. **Am J Orthod Dentofacial Orthop** 1987 Feb;91(2):143-51
Role of parental variables in predicting facial growth after treatment of anterior crossbite. Nakasima A, et al. **Am J Orthod Dentofacial Orthop** 1986 Dec;90(6):492-500
Longitudinal study of craniofacial growth in Macaca fascicularis. Nanda R, et al. **Am J Phys Anthropol** 1987 Jun;73(2):215-25
The role of function in the development of human craniofacial form--a perspective. Kean MR, et al. **Anat Rec** 1987 Jun;218(2):107-10 (51 ref.)
Early facial growth accelerations. A longitudinal study. Krieg WL. **Angle Orthod** 1987 Jan;57(1):50-62
Mandibular fractures. Their effect on growth and dentition. McGuirt WF, et al. **Arch Otolaryngol Head Neck Surg** 1987 Mar;113(3):257-61
Growth study including stereophotogrammetry of a pair of monozygotic twins, one having a cleft lip and palate. Burke P, et al. **Br J Orthod** 1987 Apr;14(2):73-84
Influence of the nasal septum on maxillonasal growth in patients with congenital labiomaxillary cleft. Delaire J, et al. **Cleft Palate J** 1986 Oct;23(4):270-7
Correction of hemifacial microsomia in the growing child: a follow-up study. Kaban LB, et al. **Cleft Palate J** 1986 Dec;23 Suppl 1:50-2
Pre- and postsurgical facial growth in patients with Crouzon's and Apert's syndromes. Kreiborg S, et al. **Cleft Palate J** 1986 Dec;23 Suppl 1:78-90
Treatment variables affecting facial growth in complete unilateral cleft lip and palate. Ross RB. **Cleft Palate J** 1987 Jan;24(1):5-77
Orthodontic correction of the long-face syndrome. Dellinger EL. **Ear Nose Throat J** 1987 Jun;66(6):237-41
The airway and dentofacial development. Meredith GM. **Ear Nose Throat J** 1987 May;66(5):190-5
Effects of nasal airway obstruction on facial growth. Rubin RM. **Ear Nose Throat J** 1987 May;66(5):212-9
Experiments on the interaction between orofacial function and morphology. Vargervik K, et al. **Ear Nose Throat J** 1987 May;66(5):201-8
Evaluation of the upper airway in children. Weimert TA. **Ear Nose Throat J** 1987 May;66(5):196-200
Oro-maxillofacial development in patients with GH deficiency and in normal short children. Takano K, et al. **Endocrinol Jpn** 1986 Oct;33(5):655-64
The effect of congenital cardiac disease on facial growth in a monozygotic twin pair, studied by stereophotogrammetry. Burke P, et al. **Eur J Orthod** 1987 May;9(2):97-103
A pilot study of the effect of masticatory muscle training on facial growth in long-face children. Ingervall B, et al. **Eur J Orthod** 1987 Feb;9(1):15-23
Interaction of the development of the nasal septum, the nasal pyramid and the face. Delaire J, et al. **Int J Pediatr Otorhinolaryngol** 1987 Feb;12(3):311-26
A comparative study of development during primary palate formation in A/WySn, C57BL/6, and their F1 crosses. Ciriani D, et al. **J Craniofac Genet Dev Biol** 1986; 6(4):369-77
Facial growth subsequent to Le Fort I osteotomies in adolescent monkeys. Nanda R, et al. **J Oral Maxillofac Surg** 1987 Feb;45(2):123-36
Dental development and the pharyngeal lymphoid tissue. Coccaro PJ, et al. **Otolaryngol Clin North Am** 1987 May; 20(2):241-57 (45 ref.)
A cross-sectional study of head posture and craniofacial growth in children from the north of Finland. Huggare J. **Proc Finn Dent Soc** 1987;83(1):5-15
Facial morphology and occlusion at the stage of early mixed dentition in cleft lip and palate patients treated with delayed closure of the hard palate. Friede H, et al. **Scand J Plast Reconstr Surg Hand Surg** 1987;21(1):65-71
The influence of lip function on the sagittal and transversal development of the maxilla in cleft patients. Göz G, et al. **Scand J Plast Reconstr Surg Hand Surg** 1987;21(1):31-4
[A cephalometric study of craniofacial skeletal growth in anterior cross-bite malocclusion] Zeng XL. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jan;21(1):8-13, 61 (Eng. Abstr.) **(Chi)**
[Role and significance of the branchial system in cervico-facial morphogenesis] Leperchey F, et al. **Ann Otolaryngol Chir Cervicofac** 1987;104(2):81-7 (Eng. Abstr.) **(Fre)**
[Variations in the hyoid bone in relation to the vertebral axis during growth] Laude M, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1986 Oct-Dec; 294(3-4):147-69 (Eng. Abstr.) **(Fre)**
[Ontogenetic and sexual variability of the proportions of the facial tegumentary profile] Cretot M. **Orthod Fr** 1985; 56(2):623-35 (Eng. Abstr.) **(Fre)**
[Craniofacial architectural equilibrium in orthodontics and orthognathic surgery] Delaire J. **Orthod Fr** 1985; 56(2):353-64 **(Fre)**
[The influence of the masticatory muscles on craniofacial growth. A microsurgical study in the rat] Rahme J, et al. **Rev Stomatol Chir Maxillofac** 1987;88(2):108-15 (Eng. Abstr.) **(Fre)**
[Craniofacial growth influenced by blood supply. 1. Collaterals and anastomoses following unilateral ligation of the common carotid artery] Köster D, et al. **Anat Anz** 1986;162(4):241-50 (Eng. Abstr.) **(Ger)**
[Craniofacial growth modified by blood supply. 2. Changes in arterial cross sections and arterial blood supply] Mierzwa J, et al. **Anat Anz** 1986;162(5):351-8 (Eng. Abstr.) **(Ger)**
[Craniofacial growth modified by blood supply. 3. Adaptation of the cranial arteries following unilateral ligation of the common carotid artery. Discussion of findings of the 1st and 2d communication] Schumacher GH, et al. **Anat Anz** 1987;163(2):119-27 (Eng. Abstr.) **(Ger)**
[Orthodontic support for the developmental processes in the deciduous dentition in patients with cheilognathopalatoschisis] Dausch-Neumann D. **Fortschr Kieferorthop** 1986 Oct;47(5):459-66 (Eng. Abstr.) **(Ger)**
[Effect of cheiloplasty on dentofacial development in patients with cheilognathopalatoschisis] Jonas I, et al. **Fortschr Kieferorthop** 1986 Oct;47(5):400-11 (Eng. Abstr.) **(Ger)**
[Early care and growth of the infantile cleft jaw] Koppenburg P, et al. **Fortschr Kieferorthop** 1986 Oct;47(5):391-9 (Eng. Abstr.) **(Ger)**
[Postnatal growth of the exterior nose] Lang J, et al. **Gegenbaurs Morphol Jahrb** 1987;133(1):5-32 (Eng. Abstr.) **(Ger)**
[Facial and dentition morphology of 9-year-old Bern schoolchildren. X-ray profile cephalometric and model analytical data] Ingervall B, et al. **Schweiz Monatsschr Zahnmed** 1987;97(2):198-205 (Eng. Abstr.) **(Ger)**
[Analysis of the components of facial growth by the structural superimposition of profile teleradiographs] Moorrees CF, et al. **Schweiz Monatsschr Zahnmed** 1986 Dec;96(12):1513-28 (Eng. Abstr.) **(Ger)**
[Effect of traumatic occlusion on craniofacial growth. 2. Changes in the mandible] Fanghänel J, et al. **Zahn Mund Kieferheilkd** 1986;74(5):464-71 (Eng. Abstr.) **(Ger)**
[Observation of an unusual development of dentition] Klink-Heckmann U. **Zahn Mund Kieferheilkd** 1987; 75(2):154-9 (Eng. Abstr.) **(Ger)**
[Effect of the treatment of prognathism in children on changes in the facial part of the skull] Michałowska-Sarosiek A. **Ann Acad Med Stetin** 1986; 32:249-65 (Eng. Abstr.) **(Pol)**

DRUG EFFECTS

Effect of thyroid hormone and epidermal growth factor on tactile hair development and craniofacial morphogenesis in the postnatal rat. Hoath SB, et al. **J Craniofac Genet Dev Biol** 1987;7(2):161-7
Effects of maternal dietary protein on the mandibular growth of fetuses from diabetic dams. Nakamoto T, et al. **Res Commun Chem Pathol Pharmacol** 1987 May; 56(2):273-6

MAXILLOFACIAL INJURIES

COMPLICATIONS

Post-traumatic upper airway obstruction secondary to a lingual artery hematoma. Chase CR, et al. **J Trauma** 1987 Aug;27(8):953-4
[Prevention and treatment of suppurative complications occurring in severe combined maxillofacial injury] Luk'ianenko AV, et al. **Stomatologiia (Mosk)** 1987 May-Jun;66(3):56-8 (Eng. Abstr.) **(Rus)**
[Neuropsychic disorders in maxillofacial injuries] Kolupaev GP. **Voen Med Zh** 1986 Aug;(8):24-7 **(Rus)**

DIAGNOSIS

Pediatric maxillofacial trauma: unique features in diagnosis and treatment. Gussack GS, et al. **Laryngoscope** 1987 Aug; 97(8 Pt 1):925-30
[Maxillofacial injuries in amateur soccer. Presentation of 4 cases] Nocini PF, et al. **Minerva Stomatol** 1987 May; 36(5):389-97 (Eng. Abstr.) **(Ita)**
[The postural compression syndrome in dental patients] Zuev VP, et al. **Stomatologiia (Mosk)** 1987 May-Jun;66(3):45-7 (Eng. Abstr.) **(Rus)**
[Methodological approach to the diagnosis and treatment of maxillofacial wounds] Aleksandrov NM, et al. **Voen Med Zh** 1986 Aug;(8):14-6 **(Rus)**

ETIOLOGY

Cause and effect of road traffic accidents. Williams JL. **Ann Acad Med Singapore** 1986 Jul;15(3):330-9
[Sports and maxillofacial injuries: etiological and clinical aspects apropos of 46 cases. Preventive measures] Seguin P, et al. **Rev Stomatol Chir Maxillofac** 1986;87(6):372-5 (Eng. Abstr.) **(Fre)**
[Nasal trauma in boxers: pathogenesis and treatment] Croce G, et al. **Acta Otorhinolaryngol Ital** 1987 Mar-Apr; 7(2):185-94 (Eng. Abstr.) **(Ita)**
[Dentomaxillofacial traumatology in the game of squash] Borgogna E, et al. **Minerva Stomatol** 1986 Oct; 35(10):1005-6 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Maxillofacial injuries at Jordan University Hospital. Karyouti SM. **Int J Oral Maxillofac Surg** 1987 Jun;16(3):262-5

PSYCHOLOGY

Otolaryngologic cases of Munchausen's syndrome. Zohar Y, et al. **Laryngoscope** 1987 Feb;97(2):201-3

RADIOGRAPHY

Three-dimensional CT reformations in the assessment of congenital and traumatic cranio-facial deformities. Gillespie JE, et al. **Br J Oral Maxillofac Surg** 1987 Apr; 25(2):171-7
Radiology in oral surgery--Part 2. Poswillo DE. **Radiography** 1986 Nov-Dec;52(606):303-8
[Current needs of radiological diagnosis in maxillofacial and stomatological surgery] Piekarczyk J. **Pol Przegl Radiol (Warszawa)** 1986 Nov-Dec;50(6):330-1 **(Pol)**

REHABILITATION

[Possibilities and limitations for the correction of bony, dental and mucosal tissue loss in children using a maxillofacial prosthesis] Giffard M, et al. **Rev Stomatol Chir Maxillofac** 1986;87(3):157-61 (Eng. Abstr.) **(Fre)**
[Prosthetic rehabilitation of extensive tooth loss caused by severe trauma] Gegesi Kiss J, et al. **Fogorv Sz** 1987 Jun; 80(6):169-72 (Eng. Abstr.) **(Hun)**
[Experience with Champy's plate in maxillofacial traumatology] Inovay J, et al. **Fogorv Sz** 1987 Apr; 80(4):118-22 (Eng. Abstr.) **(Hun)**
[Bases for rehabilitation in diseases and injuries of the maxillofacial area] Aleksandrov NM, et al. **Voen Med Zh** 1986 Sep;(9):19-21 **(Rus)**

SURGERY

[Post-traumatic periorbital secondary surgery] Freihofer HP. **Acta Stomatol Belg** 1986 Jul;83(2):99-109 **(Fre)**
[Cooperation between the traumatologist and the

prosthodontist in the rehabilitation of mandibular injuries] Kovács G, et al. **Fogorv Sz** 1986 Oct;79(10):289–94 (Eng. Abstr.) **(Hun)**

[Effectiveness of quaternary ammonium derivatives for sterilizing implants in maxillofacial traumatology] Polesichkin VK, et al. **Stomatologiia (Mosk)** 1987 Mar–Apr;66(2):42–4 **(Rus)**

THERAPY

Embolization for traumatic epistaxis. Adjuvant therapy in severe maxillofacial fracture. Schilstra SH, et al. **J Craniomaxillofac Surg** 1987 Feb;15(1):28–30

Maxillofacial trauma. Lower J. **Nurs Clin North Am** 1986 Dec;21(4):611–28

MAXILLOFACIAL PROSTHESIS

Metallic objects seen in radiographs of the maxilla and mandible. Flaxman NA, et al. **Am Fam Physician** 1987 Apr; 35(4):197–203

Educational status of maxillofacial prosthetics in Europe. Polyzois GL. **J Dent Educ** 1987 Aug;51(8):489–91

The color accuracy of the Kubelka–Munk theory for various colorants in maxillofacial prosthetic material. Ma T, et al. **J Dent Res** 1987 Sep;66(9):1438–44

Prosthetic management following bilateral total or subtotal maxillectomy. Milton CM, et al. **J Laryngol Otol** 1986 Oct; 100(10):1145–54

Stability of ceramic pigments for maxillofacial applications. Seluk LW, et al. **J Oral Rehabil** 1987 May;14(3):309–13

Coordinated intraoral and extraoral prostheses in the rehabilitation of the orofacial cancer patient. Birnbach S, et al. **J Prosthet Dent** 1987 Sep;58(3):343–8

Maxillofacial prosthetics: demand and responsibility. Desjardins RP. **J Prosthet Dent** 1986 Oct;56(4):473–7

A technique for the obturation of anterior maxillary defects with accompanying midfacial tissue loss. Fattore L, et al. **J Prosthet Dent** 1987 Aug;58(2):203–5

An overview of the maxillofacial prosthesis as a speech rehabilitation aid. Groetsema WR. **J Prosthet Dent** 1987 Feb;57(2):204–8

A technique for making a facial moulage. Moergeli JR Jr. **J Prosthet Dent** 1987 Feb;57(2):253

Urethane–lined silicone facial prostheses. Udagama A. **J Prosthet Dent** 1987 Sep;58(3):351–4

[Possibilities and limitations for the correction of bony, dental and mucosal tissue loss in children using a maxillofacial prosthesis] Giffard M, et al. **Rev Stomatol Chir Maxillofac** 1986;87(3):157–61 (Eng. Abstr.) **(Fre)**

[Prosthetic rehabilitation after maxillary resection. Case report] Somo G, et al. **Fogorv Sz** 1987 Jan;80(1):13–6 (Eng. Abstr.) **(Hun)**

[Discoloration of maxillofacial silicone rubber due to lipid absorption and oxidation] Yanagisawa H. **Kokubyo Gakkai Zasshi** 1987 Mar;54(1):190–207 (Eng. Abstr.) **(Jpn)**

[Use of corundum ceramics in surgical interventions on the maxillary and frontal sinuses (clinico–experimental study)] Tokhadze TL, et al. **Vestn Otorinolaringol** 1986 Nov–Dec; (6):56–9 (Eng. Abstr.) **(Rus)**

[7th intersectional meeting of the Yugoslavian Society of Plastic and Maxillofacial Surgery. Struga, 26–28 May 1986. Proceedings] **Acta Chir Iugosl** 1986;33 Suppl 1:1–224 **(Ser)**

HISTORY

[Carved nose and sponge gingiva. Noteworthy self–help management of gingival–facial defect in the 18th century] Renk A. **Fortschr Med** 1986 Oct 16;104(39):55–7 **(Ger)**

MAXIMAL EXPIRATORY FLOW RATE see under **FORCED EXPIRATORY FLOW RATES**

MAXIMAL EXPIRATORY FLOW–VOLUME CURVES see under **FORCED EXPIRATORY FLOW RATES**

MAXIMAL MIDEXPIRATORY FLOW RATE see under **FORCED EXPIRATORY FLOW RATES**

MAXIMAL VOLUNTARY VENTILATION see under **RESPIRATORY AIRFLOW**

MAXIMUM PERMISSIBLE EXPOSURE LEVEL see under **ENVIRONMENTAL EXPOSURE**

MAYTANSINE see under **OXAZINES**

MAZINDOL see under **INDOLES**

MCGILL PAIN QUESTIONNAIRE see **PAIN MEASUREMENT**

MCN A 343 see under **AMMONIUM COMPOUNDS**

MCPA see under **GLYCOLATES**

MEA I see **NEOPLASMS, MULTIPLE ENDOCRINE**

MEA II see **NEOPLASMS, MULTIPLE ENDOCRINE**

MEA III see **NEOPLASMS, MULTIPLE ENDOCRINE**

MEALS ON WHEELS see **FOOD SERVICES**

MEALWORM see **TENEBRIO**

MEASLES

Measles in Mbeya, Tanzania—1981–1983. Burgess W, et al. **J Trop Pediatr** 1986 Aug;32(4):148–53

COMPLICATIONS

Encephalomyeloradiculoneuritis following measles. Kumar N, et al. **Acta Neurol (Napoli)** 1987 Feb;9(1):44–7

Relationship between measles, malnutrition, and blindness: a prospective study in Indian children. Reddy V, et al. **Am J Clin Nutr** 1986 Dec;44(6):924–30

Corneal ulceration, measles, and childhood blindness in Tanzania. Foster A, et al. **Br J Ophthalmol** 1987 May; 71(5):331–43

Postmeasles blindness [editorial] Monnickendam MA, et al. **Br J Ophthalmol** 1987 May;71(5):325

Mortality and morbidity caused by measles in children with malignant disease attending four major treatment centres: a retrospective review. Gray MM, et al. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):19–22

Measles in children who have malignant disease. Kernahan J, et al. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):15–8

Growth decelerations among under 5–year–old children in Kasongo (Zaire). I. Occurrence of decelerations and impact of measles on growth. Kasongo Project Team. **Bull WHO** 1986;64(5):695–701

Interaction between nutrition and measles. Reddy V. **Indian J Pediatr** 1987 Jan–Feb;54(1):53–7

Subcutaneous emphysema and pneumothorax a rare complication in measles. Bose R, et al. **J Assoc Physicians India** 1986 Apr;34(4):291–2

Outbreak of post–measles gastroenteritis due to Shigella dysenteriae type–I in Karsog Tehsil, District Mandi (H.P). Gupta MK, et al. **J Commun Dis** 1986 Jun;18(2):124–7

The pathogenesis of acute viral encephalitis and postinfectious encephalomyelitis. Johnson RT. **J Infect Dis** 1987 Mar;155(3):359–64 (34 ref.)

Chronic, relapsing encephalomyelitis associated with experimental measles virus infection. Carrigan DR. **J Med Virol** 1987 Mar;21(3):223–30

Spectrum of complications of measles in Afghanistan: a study of 784 cases. Arya LS, et al. **J Trop Med Hyg** 1987 Jun; 90(3):117–22

Vitamin A status of Thai children with measles. Varavithya W, et al. **Trop Geogr Med** 1986 Dec;38(4):359–61

[Hepatic involvement in measles in adults: 23 cases (letter)] Einhorn S, et al. **Ann Med Interne (Paris)** 1987;138(4):315–6 **(Fre)**

[Complications of measles in adult Africans. Apropos of 95 cases] Roussel L. **Med Trop (Mars)** 1986 Oct–Dec; 46(4):359–64 (Eng. Abstr.) **(Fre)**

CONGENITAL

[Clinical and immunological considerations in congenital measles. Presentation of a clinical case] Infortuna M, et al. **Minerva Pediatr** 1987 Apr 15;39(7):241–5 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Kawasaki disease: a measles cover–up? [letter] Rowe RD, et al. **Can Med Assoc J** 1987 Jun 1;136(11):1146

Specific immunoglobulin M enzyme–linked immunosorbent assay for confirming the diagnosis of measles. Lievens AW, et al. **J Clin Microbiol** 1986 Sep;24(3):391–4

Rapid diagnosis of measles virus infection with immunofluorescence staining technique. Kao CL, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Mar;86(3):222–6

[The advantages of IgM antibody capture ELISA for measles diagnosis] Guo KJ. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Dec; 7(6):352–5 (Eng. Abstr.) **(Chi)**

[Characteristics of the recording of cardiac intervals in measles patients] Mikhallova AM, et al. **Vrach Delo** 1987 Apr;(4):121–3 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Vitamin A for measles [editorial] **Lancet** 1987 May 9; 1(8541):1067–8

ECONOMICS

Measles: who pays the cost? Hastings A, et al. **Br Med J [Clin Res]** 1987 Jun 13;294(6586):1527–8

ENZYMOLOGY

Increased lactate dehydrogenase in serum in measles infection. Sugaya N, et al. **Clin Chem** 1987 May;33(5):661–3

ETIOLOGY

New infectious diseases other than AIDS. Griffin FM Jr. **Ala J Med Sci** 1987 Apr;24(2):205–8

The hospital as a vector of measles in the community. Reynolds LG, et al. **S Afr Med J** 1987 May 16;71(10):637–8

IMMUNOLOGY

Detection of measles–specific IgM antibodies: comparison of 2–mercaptoethanol treatment, density gradient centrifugation, protein A–sepharose affinity chromatography, ion–exchange chromatography and haemadsorption techniques. Tischer A, et al. **Acta Virol (Praha)** 1986 Sep;30(5):373–80

Measles outbreak in a vaccinated school population: epidemiology, chains of transmission and the role of vaccine failures. Nkowane BM, et al. **Am J Public Health** 1987 Apr;77(4):434–8

Measles induced remission of psoriasis. Chakravarti VS, et al. **Ann Trop Paediatr** 1986 Dec;6(4):293–4

Immunity against measles and rubella in Massachusetts schoolchildren. Orenstein WA, et al. **Dev Biol Stand** 1986; 65:75–83

Western blot analyses of measles virus antibody in normal persons and in patients with multiple sclerosis, subacute sclerosing panencephalitis, or atypical measles. Hankins RW, et al. **J Clin Microbiol** 1986 Sep;24(3):324–9

Cellular immunity and T–lymphocyte subsets in young children with acute measles. Dagan R, et al. **J Med Virol** 1987 Jun;22(2):175–82

Induction of class I and class II transplantation antigens in rat brain during fatal and non–fatal measles virus infection. Olsson T, et al. **J Neuroimmunol** 1987 Oct;16(2):215–24

Humoral immunity in measles infection: a critical factor? Aaby P, et al. **Med Hypotheses** 1987 Jul;23(3):287–301 (99 ref.)

Prospective study of the magnitude and duration of changes in tuberculin reactivity during uncomplicated and complicated measles. Tamashiro VG, et al. **Pediatr Infect Dis J** 1987 May;6(5):451–4

T helper cell defect related to severity in measles. Kiepiela P, et al. **Scand J Infect Dis** 1987;19(2):185–92

Long–term antibody response after measles vaccination in an isolated arctic society in Greenland. Pedersen IR, et al. **Vaccine** 1986 Sep;4(3):173–8

NK–sensitivity of virus–carrier target cells. Cernescu C. **Virologie** 1986 Jul–Sep;37(3):167–73

[Epidemiologic examination of the duration of immunity of measles vaccine] **Chung Hua I Hsueh Tsa Chih** 1987 Jan; 67(1):19–22 (Eng. Abstr.) **(Chi)**

[Detection of measles and rubella–specific antigens in the endochondral ossification zone in otosclerosis] Arnold W, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Apr;66(4):167–71 (Eng. Abstr.) **(Ger)**

[The HLA antigen system and the immune response in measles vaccination] Kharit SM, et al. **Tr Inst Pastera** 1985; 62:72–5 **(Rus)**

[Use of a micromethod in the leukocyte migration inhibition test for evaluating the status of cellular immunity in measles] Miroshnikova NK. **Tr Inst Pastera** 1985;62:54–8 **(Rus)**

[The strength of postvaccinal measles immunity in schoolchildren] Smorodinova IP, et al. **Tr Inst Pastera** 1985;62:46–50 **(Rus)**

[Clinico–laboratory indices of children revaccinated against measles] Sorokina EA, et al. **Tr Inst Pastera** 1985;62:50–4 **(Rus)**

METABOLISM

Urinary riboflavin excretion and erythrocyte glutathione reductase activity in preschool children suffering from upper respiratory infections and measles. Bamji MS, et al. **Ann Nutr Metab** 1987;31(3):191–6

Tear electrophoretic changes in Nigerian children after measles. Kogbe O, et al. **Br J Ophthalmol** 1987 May; 71(5):326–30

MICROBIOLOGY

Virological aspects of measles virus–induced encephalomyelitis in Lewis and BN rats. Liebert UG, et al. **J Gen Virol** 1987 Jun;68 (Pt 6):1715–22

Characterization of the measles virus isolated from the brain of a patient with immunosuppressive measles encephalitis. Ohuchi M, et al. **J Infect Dis** 1987 Sep;156(3):436–41

Measles virus in the cerebrospinal fluid in postvaccination immunosuppressive measles encephalopathy. Valmari P, et al. **Pediatr Infect Dis J** 1987 Jan;6(1):59–63

Round cell variant of measles virus: mechanisms involved in the establishment of defective viral infection of the central nervous system. Carrigan DR. **Virology** 1986 Dec; 155(2):614–24

[RNA analysis of the measles virus in a human cell culture of the chronic infection] Andzhaparidze OG, et al. **Vopr Virusol** 1986 May–Jun;31(3):303–9 (Eng. Abstr.) **(Rus)**

MORTALITY

Vitamin A supplements and mortality related to measles: a randomised clinical trial. Barclay AJ, et al. **Br Med J** 1987 Jan 31;294(6567):294–6

Recent deaths from measles. Shaw NJ, et al. **Health Bull (Edinb)** 1986 Sep;44(5):286–9

Risk factors for fatal measles infections. Nieburg P, et al. **Int J Epidemiol** 1986 Sep;15(3):309–11

Vaccinated children get milder measles infection: a community study from Guinea–Bissau. Aaby P, et al. **J Infect Dis** 1986 Nov;154(5):858–63

Measles case fatality among the under-fives: a multivariate analysis of risk factors in a rural area of Bangladesh. Bhuiya A, et al. **Soc Sci Med** 1987;24(5):439–43

OCCURRENCE

A persistent outbreak of measles despite appropriate prevention and control measures. Davis RM, et al. **Am J Epidemiol** 1987 Sep;126(3):438–49

Measles hospitalizations, United States, 1977–84: comparison with national surveillance data. Markowitz LE, et al. **Am J Public Health** 1987 Jul;77(7):866–8

A measles outbreak at university medical settings involving health care providers. Sienko DG, et al. **Am J Public Health** 1987 Sep;77(9):1222–4

Measles epidemic in young adults. Clinical manifestations and laboratory analysis in 40 patients. Mouallem M, et al. **Arch Intern Med** 1987 Jun;147(6):1111–3

Measles are not so rare [letter] Tate J. **Aust Fam Physician** 1987 Feb;16(2):89

Measles in Canada—1986. **Can Med Assoc J** 1987 Jun 1; 136(11):1183–6

Epidemiology of measles in a rural community. Lobo J, et al. **Indian J Pediatr** 1987 Mar–Apr;54(2):261–5

Epidemiological surveillance of measles through a network of sentinel general practitioners in Belgium. Stroobant A, et al. **Int J Epidemiol** 1986 Sep;15(3):386–91

Epidemiology of measles in rural area of Punjab. Lakhanpal U, et al. **J Commun Dis** 1986 Sep;18(3):185–8

Outbreak of measles—epidemiological study. Chavan H, et al. **J Indian Med Assoc** 1986 Sep;84(9):273–4

Severe measles in the Gardulla area of southwest Ethiopia. Lindtjørn B. **J Trop Pediatr** 1986 Oct;32(5):234–9

Leads from the MMWR. Measles—United States, 1986. **JAMA** 1987 Jul 10;258(2):182–5

Leads from the MMWR. Measles—United States, first 26 weeks, 1986. **JAMA** 1986 Oct 24–31;256(16):2168, 2173

Leads from the MMWR. Measles—Dade County, Florida. **JAMA** 1987 Feb 27;257(8):1034–6

Outbreak of measles in New South Wales [letter] Christopher PJ, et al. **Med J Aust** 1987 Jul 6;147(1):44

Measles—United States, 1986. **MMWR** 1987 May 29; 36(20):301–5

Measles—Dade County, Florida. **MMWR** 1987 Feb 6; 36(4):45–8

Measles outbreak in an immunized school population [letter] **N Engl J Med** 1987 Sep 24;317(13):834–6

Measles outbreak in a fully immunized secondary-school population. Gustafson TL, et al. **N Engl J Med** 1987 Mar 26;316(13):771–4

Notification of five of the EPI target diseases in South Africa. An assessment of disease and vaccination reporting. Ijsselmuiden CB, et al. **S Afr Med J** 1987 Sep 5;72(5):311–6

Differences in trends of measles notifications by age and race in the western Cape, 1982–1986. Kettles AN. **S Afr Med J** 1987 Sep 5;72(5):317–20

The hospital as a vector of measles in the community [letter] Meyer M. **S Afr Med J** 1987 Sep 5;72(5):360

Measles in the RSA. Moodie JW. **S Afr Med J** 1986 Oct 11;Suppl:57–60

Measles experience in Durban [letter] Retief FP. **S Afr Med J** 1987 Jun 20;71(12):801–2

Measles experience in Durban [letter] Wittenberg DF. **S Afr Med J** 1987 Feb 7;71(3):191

Measles in Port Harcourt, Nigeria. Oruamabo RS, et al. **Trop Doct** 1987 Apr;17(2):88–9

[A study of the measles epidemic in Zhuji County. The Investigation Group of Measles Vaccine Immunity Duration] **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1987 Apr;8(2):92–5 (Eng. Abstr.) **(Chi)**

[A minor epidemic of measles in the North Bohemian Region in 1985] Kašová V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1987 Feb;36(1):1–9 (Eng. Abstr.) **(Cze)**

[A small measles outbreak in a completely vaccinated population] Weijers TF, et al. **Ned Tijdschr Geneeskd** 1987 Mar 7;131(10):416–7 **(Dut)**

[Frequency of nosocomial measles in a maternal and child health center in Abidjan] Klein-Zabban ML, et al. **Bull WHO** 1987;65(2):197–201 (Eng. Abstr.) **(Fre)**

[Hospitalization in Turin for measles and related complications 1973–1983: medical and economic evaluation in relation to the opportunity for vaccination intervention] Moiraghi Ruggenini A, et al. **Boll Ist Sieroter Milan** 1986; 65(6):502–11 (Eng. Abstr.) **(Ita)**

[Epidemiology of measles and its complications in Italy. Personal experience with a hospital case load] Verrotti A, et al. **Pediatr Med Chir** 1986 Mar–Apr;8(2):209–13 (Eng. Abstr.) **(Ita)**

[Methodological approaches to the dynamic assessment of the epidemic process in measles during years of vaccine prevention] Borovskiĭ IV, et al. **Tr Inst Pastera** 1985; 62:58–64 **(Rus)**

[Foci of measles and the factors contributing to its occurrence] Bystriakova LV, et al. **Tr Inst Pastera** 1985; 62:64–7 **(Rus)**

[Causes of the periodic changes in measles morbidity with vaccine prevention] Deshevoĭ SE, et al. **Tr Inst Pastera** 1985;62:34–40 **(Rus)**

[Measles epidemiology and the status of specific immunity in Novgorod Province during a mass immunization] Golubeva LI, et al. **Tr Inst Pastera** 1985;62:68–72 **(Rus)**

[Epidemiological assessment of the results of repeated inoculations against measles] Rykushin IuP, et al. **Tr Inst Pastera** 1985;62:40–6 **(Rus)**

[Epidemiologic surveillance of diphtheria and measles] Bolotovskiĭ VM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):38–42 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Conjunctival goblet cells and mitotic rate in children with retinol deficiency and measles. Rao V, et al. **Arch Ophthalmol** 1987 Mar;105(3):378–80

Measles. Newton-John H, et al. **Aust Fam Physician** 1986 Aug;15(8):1055–6

Altered transcription of a defective measles virus genome derived from a diseased human brain. Cattaneo R, et al. **EMBO J** 1987 Mar;6(3):681–8

Adult measles [clinical conference] **NY State J Med** 1987 Jul;87(7):391–7

PREVENTION & CONTROL

A cost-effectiveness analysis of measles outbreak control strategies. Davis RM, et al. **Am J Epidemiol** 1987 Sep; 126(3):450–9

A long-term follow-up study on the efficacy of further attenuated live measles vaccine, Biken CAM vaccine. Isomura S, et al. **Biken J** 1986 Mar;29(1):19–26

Measles must go and with it rubella [editorial] Banatvala JE. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):2–3

Measles immunisation rates and the good practice allowance. Mant D, et al. **Br Med J [Clin Res]** 1986 Oct 18; 293(6553):995–7

Live measles vaccine: a 21 year follow up. Miller C. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):22–4

The virtual elimination of rubella and mumps from the United States and the use of combined measles, mumps and rubella vaccines (MMR) to eliminate measles. Bart KJ, et al. **Dev Biol Stand** 1986;65:45–52 (19 ref.)

Vaccination with a combined vaccine against measles, mumps and rubella aiming at elimination of the three diseases. Böttiger M, et al. **Dev Biol Stand** 1986;65:37–43

Appropriate age for measles vaccination in the United States. Orenstein WA, et al. **Dev Biol Stand** 1986;65:13–21 (40 ref.)

Measles, mumps and rubella: control by vaccination. van Druten JA, et al. **Dev Biol Stand** 1986;65:53–63

A survey on factors affecting acceptance of measles vaccine. Profeta ML, et al. **Eur J Epidemiol** 1986 Jun;2(2):128–33

Fact or fluke: 100% measles immunoprophylaxis in general practice. Ross SK. **Health Bull (Edinb)** 1986 Nov; 44(6):370–3

Measles vaccination. Prevention strategy for malnutrition. Natu M, et al. **Indian Pediatr** 1985 Aug;22(8):597–600

Vaccination against measles [editorial] Ghosh AK. **J Indian Med Assoc** 1986 Sep;84(9):261–2, 284

Measles in Ghana: a trial of an alternative means of administration of measles vaccine. Torigoe S, et al. **J Trop Pediatr** 1986 Dec;32(6):304–59

Leads from the MMWR. Measles prevention. **JAMA** 1987 Aug 21;258(7):890–5

Measles and the immunosuppressed child [letter] Hull D. **Lancet** 1986 Sep 20;2(8508):691

Optimum age for measles immunization in Malaysia. Chen ST, et al. **Med J Malaysia** 1985 Dec;40(4):281–8

Measles prevention. **MMWR** 1987 Jul 10;36(26):409–18, 423–5

Combination measles, mumps, rubella and varicella vaccine. Arbeter AM, et al. **Pediatrics** 1986 Oct;78(4 Pt 2):742–7

A pilot measles vaccination campaign in Italy. Grandolfo ME, et al. **Public Health** 1986 Jul;100(4):208–13

Continuing scourge of measles [editorial] Reynolds LG, et al. **S Afr Med J** 1987 May 16;71(10):611

Formula for calculating vaccine profitability. Carrasco JL, et al. **Vaccine** 1987 Jun;5(2):123–7

[Current status and trends of the control and elimination of measles] Zhang RZ, et al. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Dec; 7(6):362–6 (18 ref.) **(Chi)**

[Elimination of measles, mumps and rubella in Switzerland] Herzog C. **Soz Praventivmed** 1986;31(6):326–9 (Eng. Abstr.) **(Ger)**

[Experience gained during the past few years in several countries on the control of measles by vaccination] Duca M. **Rev Med Chir Soc Med Nat Iasi** 1986 Oct–Dec; 90(4):763–4 **(Rum)**

[Details of measles vaccine and vaccination] Duca M. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr–Jun; 90(2):399–400 **(Rum)**

[Measles in the district of Iasi 1985–1986] Oană C, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Oct–Dec;90(4):685–6 (Eng. Abstr.) **(Rum)**

[Results and prospects in the control of measles] Smorodintsev AA, et al. **Tr Inst Pastera** 1985;62:21–5 **(Rus)**

[Epidemiological and immunological assessment of a schedule of prophylactic inoculations] Rusakova EV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Mar;(3):29–33 (Eng. Abstr.) **(Rus)**

[Effectiveness of measles immunoprophylaxis and the criteria for assessing its possible elimination] Sokhin AA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Nov;(11):24–30 (Eng. Abstr.) **(Rus)**

[Measles: persistence of a problem (editorial)] Guiscafré-Gallardo H. **Bol Med Hosp Infant Mex** 1986 Sep;43(9):523–5 **(Spa)**

THERAPY

[The good mother: rural and urban practices related to measles in Haalpulareen women in Senegal] Fassin D. **Soc Sci Med** 1986;23(11):1121–9 (Eng. Abstr.) **(Fre)**

TRANSMISSION

Debarring attendance in school for chickenpox and measles [letter] Sarkar JK. **J Indian Med Assoc** 1987 Apr;85(4):120

Leads from the MMWR. Measles transmitted in a medical office building—New Mexico, 1986. **JAMA** 1987 Feb 20; 257(7):905, 911

Measles transmitted in a medical office building—New Mexico, 1986. **MMWR** 1987 Jan 23;36(2):25–7

Measles spread in medical settings: an important focus of disease transmission? Istre GR, et al. **Pediatrics** 1987 Mar; 79(3):356–8

MEASLES, GERMAN see **RUBELLA**

MEASLES VACCINE

Measles must go and with it rubella [editorial] Banatvala JE. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):2–3

Live measles vaccine: a 21 year follow up. Miller C. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):22–4

Immunisation before school entry: should there be a law? Noah ND. **Br Med J [Clin Res]** 1987 May 16; 294(6582):1270–1

The virtual elimination of rubella and mumps from the United States and the use of combined measles, mumps and rubella vaccines (MMR) to eliminate measles. Bart KJ, et al. **Dev Biol Stand** 1986;65:45–52 (19 ref.)

Vaccination with a combined vaccine against measles, mumps and rubella aiming at elimination of the three diseases. Böttiger M, et al. **Dev Biol Stand** 1986;65:37–43

Measles, mumps and rubella: control by vaccination. van Druten JA, et al. **Dev Biol Stand** 1986;65:53–63

A survey on factors affecting acceptance of measles vaccine. Profeta ML, et al. **Eur J Epidemiol** 1986 Jun;2(2):128–33

Fact or fluke: 100% measles immunoprophylaxis in general practice. Ross SK. **Health Bull (Edinb)** 1986 Nov; 44(6):370–3

Measles vaccination. Prevention strategy for malnutrition. Natu M, et al. **Indian Pediatr** 1985 Aug;22(8):597–600

Vaccination against measles [editorial] Ghosh AK. **J Indian Med Assoc** 1986 Sep;84(9):261–2, 284

Measles, mumps, and rubella vaccine [letter] Carter H, et al. **Lancet** 1986 Oct 11;2(8511):867

Measles outbreak in an immunized school population [letter] **N Engl J Med** 1987 Sep 24;317(13):834–6

Combination measles, mumps, rubella and varicella vaccine. Arbeter AM, et al. **Pediatrics** 1986 Oct;78(4 Pt 2):742–7

ADMINISTRATION & DOSAGE

Safe immunization of allergic children against measles, mumps, and rubella. Juntunen-Backman K, et al. **Am J Dis Child** 1987 Oct;141(10):1103–5

Measles outbreak in a vaccinated school population: epidemiology, chains of transmission and the role of vaccine failures. Nkowane BM, et al. **Am J Public Health** 1987 Apr;77(4):434–8

Appropriate age for measles vaccination in the United States. Orenstein WA, et al. **Dev Biol Stand** 1986;65:13–21 (40 ref.)

Measles in Ghana: a trial of an alternative means of administration of measles vaccine. Torigoe S, et al. **J Trop Pediatr** 1986 Dec;32(6):304–59

Leads from the MMWR. Measles prevention. **JAMA** 1987 Aug 21;258(7):890–5

Measles vaccine once or MMR twice? [editorial] **Lancet** 1986 Sep 20;2(8508):671

Comparison of Edmonston-Zagreb and Schwarz strains of measles vaccine given by aerosol or subcutaneous injection. Khanum S, et al. **Lancet** 1987 Jan 17;1(8525):150–3

Measles prevention. **MMWR** 1987 Jul 10;36(26):409–18, 423–5

Persistence of antibody after administration of monovalent and combined live attenuated measles, mumps, and rubella virus vaccines. Weibel RE, et al. **Pediatrics** 1978 Jan; 61(1):5–11

[Disposable vs. reusable hypodermic syringes. Study of possible effects on the virus of live, attenuated measles vaccine] de Rizzo E, et al. **Rev Saude Publica** 1986 Dec; 20(6):475–80 (Eng. Abstr.) **(Por)**

ADVERSE EFFECTS

Ophthalmoplegic migraine wrongly attributed to measles immunization. Hassin H. **Am J Ophthalmol** 1987 Aug 15; 104(2):192–3

Measles virus in the cerebrospinal fluid in postvaccination immunosuppressive measles encephalopathy. Valmari P, et al. **Pediatr Infect Dis J** 1987 Jan;6(1):59–63

Combination measles, mumps, rubella and varicella vaccine. Arbeter AM, et al. **Pediatrics** 1986 Oct;78(4 Pt 2):742–7

[Reactogenic properties of a combined mumps-measles vaccine] Lakotkina EA, et al. **Tr Inst Pastera** 1985;62:92–5 **(Rus)**

[Reactogenic and immunogenic properties of a live measles vaccine made from the Leningrad-16 strain administered

via the upper respiratory tract] Taros LIu, et al. **Tr Inst Pastera** 1985;62:75–8 **(Rus)**

[The low number of reported adverse effects after vaccination against measles, mumps, rubella] Taranger J, et al. **Lakartidningen** 1987 Mar 18;84(12):948–50 **(Swe)**

IMMUNOLOGY

Antibody response to measles vaccine with DTPP [letter] John TJ, et al. **Am J Dis Child** 1987 Jan;141(1):14

A long-term follow-up study on the efficacy of further attenuated live measles vaccine, Biken CAM vaccine. Isomura S, et al. **Biken J** 1986 Mar;29(1):19–26

Protection of mumps in children with various underlying diseases: application of a live attenuated mumps and trivalent measles–rubella–mumps (MRM) vaccines in these children. Kanesaki T, et al. **Biken J** 1986 Dec;29(3–4):63–71

Effect of simultaneous administration of live measles vaccine on the "take rate" of live mumps vaccine.André FE, et al. **Dev Biol Stand** 1986;65:101–7

The combination measles, mumps, rubella and varicella vaccine in healthy children. Arbeter AM, et al. **Dev Biol Stand** 1986;65:89–93

Immune response to Edmonston–Zagreb measles virus strain in monovalent and combined MMR vaccine. Beck M, et al. **Dev Biol Stand** 1986;65:95–100

Evaluation of a combined measles–mumps–rubella–chickenpox vaccine. Just M, et al. **Dev Biol Stand** 1986;65:85–8

Evaluation of a combined vaccine against measles–mumps–rubella produced on human diploid cells. Just M, et al. **Dev Biol Stand** 1986;65:25–7

Comparative study and evaluation of further attenuated, live measles vaccines alone and in combination with mumps and rubella vaccines. Wegmann A, et al. **Dev Biol Stand** 1986;65:69–74

Measles antibody levels in children of rural and urban areas of Nigeria following vaccination campaign. Eghafona NO, et al. **Epidemiol Infect** 1987 Aug;99(1):85–9

The plaque-neutralization test as a measure of prior exposure to measles virus. Orenstein WA, et al. **J Infect Dis** 1987 Jan;155(1):146–9

Long-term antibody response after measles vaccination in an isolated arctic society in Greenland. Pedersen IR, et al. **Vaccine** 1986 Sep;4(3):173–8

[Daily fluctuations of interferon induction in the blood leukocytes of children vaccinated with measles and mumps vaccines] Aksenov OA, et al. **Tr Inst Pastera** 1985;62:130–2 **(Rus)**

[Methodological approaches to the dynamic assessment of the epidemic process in measles during years of vaccine prevention] Borovskiĭ IV, et al. **Tr Inst Pastera** 1985; 62:58–64 **(Rus)**

[Causes of the periodic changes in measles morbidity with vaccine prevention] Deshevoĭ SE, et al. **Tr Inst Pastera** 1985;62:34–40 **(Rus)**

[The HLA antigen system and the immune response in measles vaccination] Kharit SM, et al. **Tr Inst Pastera** 1985; 62:72–5 **(Rus)**

[Epidemiological assessment of the results of repeated inoculations against measles] Rykushin IuP, et al. **Tr Inst Pastera** 1985;62:40–6 **(Rus)**

[The strength of postvaccinal measles immunity in schoolchildren] Smorodinova IP, et al. **Tr Inst Pastera** 1985;62:46–50 **(Rus)**

[Clinico-laboratory indices of children revaccinated against measles] Sorokina EA, et al. **Tr Inst Pastera** 1985;62:50–4 **(Rus)**

[Effectiveness of measles immunoprophylaxis and the criteria for assessing its possible elimination] Sokhin AA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Nov;(11):24–30 (Eng. Abstr.) **(Rus)**

[Seroconversion with measles vaccine in children 8–18 months old] Díaz-Ortega JL, et al. **Bol Med Hosp Infant Mex** 1986 Sep;43(9):526–31 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

2',5'-Oligoadenylate synthetase and interferon in peripheral blood after rubella, measles, or mumps live virus vaccine. Tilles JG, et al. **Proc Soc Exp Biol Med** 1987 Oct; 186(1):70–4

[Details of measles vaccine and vaccination] Duca M. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr–Jun; 90(2):399–400 **(Rum)**

STANDARDS

A comparative study on quantitation of measles vaccine virus in Vero cells maintained in foetal bovine serum and calf serum. Saha SM, et al. **J Biol Stand** 1986 Apr;14(2):153–5

Immunocytochemical focus assay for potency determination of measles–mumps–rubella trivalent vaccine. Fukuda A, et al. **J Virol Methods** 1987 Mar;15(4):279–84

THERAPEUTIC USE

Measles immunisation: professional knowledge and intention to vaccinate. Pugh EJ, et al. **Community Med** 1986 Nov; 8(4):340–7

Vaccinated children get milder measles infection: a community study from Guinea-Bissau. Aaby P, et al. **J Infect Dis** 1986 Nov;154(5):858–63

[Epidemiologic examination of the duration of immunity of measles vaccine] **Chung Hua I Hsueh Tsa Chih** 1987 Jan; 67(1):19–22 (Eng. Abstr.) **(Chi)**

[A small measles outbreak in a completely vaccinated population] Weijers TF, et al. **Ned Tijdschr Geneeskd** 1987 Mar 7;131(10):416–7 **(Dut)**

MEASLES VIRUS

ANALYSIS

Non-infectious morphologically altered nucleocapsids of measles virus from persistently infected cells. Andzhaparidze OG, et al. **Arch Virol** 1987;95(1–2):17–28

Fuzzy material surrounding measles virus nucleocapsids identified as matrix protein. Brief report. Brown HR, et al. **Arch Virol** 1987;94(1–2):163–8

A comparative study on quantitation of measles vaccine virus in Vero cells maintained in foetal bovine serum and calf serum. Saha SM, et al. **J Biol Stand** 1986 Apr;14(2):153–5

[RNA analysis of the measles virus in a human cell culture of the chronic infection] Andzhaparidze OG, et al. **Vopr Virusol** 1986 May–Jun;31(3):303–9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Substance P, a neuropeptide, inhibits measles virus replication in cell culture. Schroeder C. **Acta Virol (Praha)** 1986 Sep; 30(5):432–5

GENETICS

Cloning and in vitro expression of the measles virus matrix gene. Greer PA, et al. **Biochem Cell Biol** 1986 Oct; 64(10):1038–43

Fusion glycoprotein of measles virus: nucleotide sequence of the gene and comparison with other paramyxoviruses. Buckland R, et al. **J Gen Virol** 1987 Jun;68 (Pt 6):1695–703

Measles virus haemagglutinin gene: cloning, complete nucleotide sequence analysis and expression in COS cells. Gerald C, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2695–703

Characterization of messenger RNAs of measles virus. Yoshikawa Y, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2807–12

Selective inhibition of translation of the mRNA coding for measles virus membrane protein at elevated temperatures. Ogura H, et al. **J Virol** 1987 Feb;61(2):472–9

Structure and function of bicistronic RNA encoding the phosphoprotein and matrix protein of measles virus. Wong TC, et al. **J Virol** 1987 Feb;61(2):584–9

Persistent measles virus genome in autoimmune chronic active hepatitis. Robertson DA, et al. **Lancet** 1987 Jul 4; 2(8549):9–11

Resistance of a measles virus mutant to fusion inhibitory oligopeptides is not associated with mutations in the fusion peptide. Hull JD, et al. **Virology** 1987 Aug;159(2):368–72

The nucleotide sequence of the mRNA encoding the fusion protein of measles virus (Edmonston strain): a comparison of fusion proteins from several different paramyxoviruses. Richardson C, et al. **Virology** 1986 Dec;155(2):508–23

The measles virus matrix gene and gene product defined by in vitro and in vivo expression. Wong TC, et al. **Virology** 1987 Apr;157(2):497–508

GROWTH & DEVELOPMENT

Growth of measles virus in epithelial and lymphoid tissues of cynomolgus monkeys. Sakaguchi M, et al. **Microbiol Immunol** 1986;30(10):1067–73

Round cell variant of measles virus: mechanisms involved in the establishment of defective viral infection of the central nervous system. Carrigan DR. **Virology** 1986 Dec; 155(2):614–24

[Determination of the biological activity of the measles virus by plaque formation] Visnitskiĭ NN, et al. **Tr Inst Pastera** 1985;62:89–92 **(Rus)**

[Effect of elevated temperature on the persistence of measles virus vaccinal strain L-16 in a human cell culture] Koptiaeva IB, et al. **Vopr Virusol** 1986 Jul–Aug;31(4):435–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Measles virus-induced mononuclear leukocyte adherence inhibition: effect of some drugs influencing arachidonic acid metabolic pathways. Mayer M. **Acta Virol (Praha)** 1986 Nov;30(6):507–11

A long-term follow-up study on the efficacy of further attenuated live measles vaccine, Biken CAM vaccine. Isomura S, et al. **Biken J** 1986 Mar;29(1):19–26

Critical evaluation of viral antigen data in Paget's disease of bone. Mills BG, et al. **Clin Orthop** 1987 Apr;(217):16–25

Immune response to Edmonston-Zagreb measles virus strain in monovalent and combined MMR vaccine. Beck M, et al. **Dev Biol Stand** 1986;65:95–100

Immunity against measles and rubella in Massachusetts schoolchildren. Orenstein WA, et al. **Dev Biol Stand** 1986; 65:75–83

Comparative study and evaluation of further attenuated, live measles vaccines alone and in combination with mumps and rubella vaccines. Wegmann A, et al. **Dev Biol Stand** 1986;65:69–74

Measles antibody levels in children of rural and urban areas of Nigeria following vaccination campaign. Eghafona NO, et al. **Epidemiol Infect** 1987 Aug;99(1):85–9

Long-term intramuscular recombinant DNA interferon alpha 2 therapy in subacute sclerosing panencephalitis: reduction of serum measles antibodies without clinical improvement. Crois R, et al. **Ear Neurol** 1987;27(2):72–7

Human mononuclear phagocytic cell interaction with some Paramyxoviridae. Bonina L, et al. **G Batteriol Virol Immunol** 1985 Jul–Dec;78(7–12):254–61

Immunological findings during an acute relapse of subacute sclerosing panencephalitis in a patient with an unusually prolonged disease course. Ilonen J, et al. **J Clin Lab Immunol** 1987 Jan;22(1):41–7

Anti-bovine antibody in human sera as a cause of nonspecificity in enzyme immunoassay. Dise T, et al. **J Clin Microbiol** 1987 Jun;25(6):987–90

Western blot analyses of measles virus antibody in normal persons and in patients with multiple sclerosis, subacute sclerosing panencephalitis, or atypical measles. Hankins RW, et al. **J Clin Microbiol** 1986 Sep;24(3):324–9

Specific immunoglobulin M enzyme-linked immunosorbent assay for confirming the diagnosis of measles. Lievens AW, et al. **J Clin Microbiol** 1986 Sep;24(3):391–4

Degradation of human normal immunoglobulin preparations and the level of measles virus antibodies. Aleksandrowicz J, et al. **J Hyg Epidemiol Microbiol Immunol** 1986; 30(3):309–16

Polypeptide specificities of measles virus-reactive T cell lines and clones derived from a patient with multiple sclerosis. Richert JR, et al. **J Immunol** 1986 Oct 1;137(7):2190–4

Antigenic mimicry between measles virus and human T lymphocytes [letter] Bahmanyar S, et al. **J Infect Dis** 1987 Sep;156(3):526–7

Measles virus and mumps virus induce gamma interferon differently in human lymphocyte cultures. Nakayama T, et al. **J Infect Dis** 1987 May;155(5):1051–4

The plaque-neutralization test as a measure of prior exposure to measles virus. Orenstein WA, et al. **J Infect Dis** 1987 Jan;155(1):146–9

Isoelectric point restriction of cerebrospinal fluid and serum IgG antibodies to measles virus polypeptides in multiple sclerosis. Walsh MJ, et al. **J Neuroimmunol** 1987 Apr; 14(3):243–52

Measurement of polypeptide- and antigenic site-specific antibodies to measles virus using a competitive enzyme immunoassay. Mäkelä MJ, et al. **J Virol Methods** 1987 May; 16(1–2):65–74

Subacute sclerosing panencephalitis: detection of measles antibody in serum and cerebrospinal fluid by enzyme-linked immunosorbent assay, complement fixation and hemagglutination inhibition. Ferrante P, et al. **Microbiologica** 1987 Jan;10(1):111–8

Analysis of viral antigens in giant cells of measles pneumonia by immunoperoxidase method. Sata T, et al. **Virchows Arch [A]** 1986;410(2):133–8

Nonproductive, cell-associated virus exists before the appearance of antiviral antibodies in experimental measles encephalitis. Carrigan DR, et al. **Virology** 1987 Jan; 156(1):185–8

[Etiology and prognosis of sporadic encephalitis] Yuan CM. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1986 Dec; 19(6):349–51 (Eng. Abstr.) **(Chi)**

[Disposable vs. reusable hypodermic syringes. Study of possible effects on the virus of live, attenuated measles vaccine] de Rizzo E, et al. **Rev Saude Publica** 1986 Dec; 20(6):475–80 (Eng. Abstr.) **(Por)**

[Characteristics of the immune response to canine morbilli virus in patients with multiple sclerosis] Mititelu G, et al. **Rev Ig [Bacteriol]** 1987 Jan–Mar;32(1):69–73 (Eng. Abstr.) **(Rum)**

[Radial immunohemolysis in the assay of serum antibodies to the measles virus] Duca M, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr–Jun;90(2):301–4 (Eng. Abstr.) **(Rum)**

[Relation between canine morbilli virus infection and the measles antibody titer in patients with multiple sclerosis] Mititelu G, et al. **Rev Med Interna [Neurol Psihiatr]** 1986 Jul–Sep;31(3):185–90 **(Rum)**

[Comparative study of immunoenzyme test systems for the rapid detection of measles virus antibodies] Vedunova SL, et al. **Vopr Virusol** 1986 Nov–Dec;31(6):752–5 **(Rus)**

[Seroconversion with measles vaccine in children 8–18 months old] Díaz-Ortega JL, et al. **Bol Med Hosp Infant Mex** 1986 Sep;43(9):526–31 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Altered transcription of a defective measles virus genome derived from a diseased human brain. Cattaneo R, et al. **EMBO J** 1987 Mar;6(3):681–8

Restricted expression of measles virus proteins in brains from cases of subacute sclerosing panencephalitis. Liebert UG, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2435–44

Isolation of measles virus in Vero cell cultures from the washed lymphocytic fraction of peripheral blood. Nakagawa M, et al. **Kitasato Arch Exp Med** 1985 Dec; 58(4):111–5

Measles virus in the cerebrospinal fluid in postvaccination immunosuppressive measles encephalopathy. Valmari P, et al. **Pediatr Infect Dis J** 1987 Jan;6(1):59–63

Dog ownership among multiple sclerosis patients and their level of measles antibodies. A case-control study. Mititelu G, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Oct–Dec;

90(4):673–7

METABOLISM

Subacute sclerosing panencephalitis: detection of measles virus RNA in appendix lymphoid tissue before clinical signs. Fournier JG, et al. **Br Med J [Clin Res]** 1986 Aug 30;293(6546):523–4

Nuclear accumulation of measles virus nucleoprotein associated with a temperature-sensitive mutant. Chui LW, et al. **J Gen Virol** 1986 Oct;67 (Pt 10):2153–61

Rapid degradation restricts measles virus matrix protein expression in a subacute sclerosing panencephalitis cell line. Sheppard RD, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(20):7913–7

[Synthesis of measles virus proteins in chronically infected human cell cultures] Andzhaparidze OG, et al. **Vopr Virusol** 1986 Jul–Aug;31(4):430–5 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Identification of a nonproductive, cell-associated form of measles virus by its resistance to inhibition by recombinant human interferon. Carrigan DR, et al. **J Virol** 1987 Jun; 61(6):1919–26

[Characteristics of the ribonucleoprotein of the measles virus persisting in a human cell culture] Andzhaparidze OG, et al. **Vopr Virusol** 1986 Sep–Oct;31(5):567–72 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Virological aspects of measles virus-induced encephalomyelitis in Lewis and BN rats. Liebert UG, et al. **J Gen Virol** 1987 Jun;68 (Pt 6):1715–22

Characterization of the measles virus isolated from the brain of a patient with immunosuppressive measles encephalitis. Ohuchi M, et al. **J Infect Dis** 1987 Sep;156(3):436–41

Effect of measles-virus infection and interferon treatment on invasiveness of Shigella flexneri in HEp2-cell cultures. Bukholm G, et al. **J Med Microbiol** 1986 Dec;22(4):335–41

ULTRASTRUCTURE

Replica-immunogold technique applied to studies on measles virus morphogenesis. Bohn W, et al. **Scanning Microsc** 1987 Mar;1(1):319–30

MEASLES VIRUS, GERMAN see **RUBELLA VIRUS**

MEAT

Barium and meat. A comparison between pharyngeal swallow of fluid and solid boluses. Ekberg O, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Nov–Dec;27(6):701–4

Radiation resistance of lactobacilli isolated from radurized meat relative to growth and environment. Hastings JW, et al. **Appl Environ Microbiol** 1986 Oct;52(4):898–901

Lysostaphin lysis procedure for detection of Staphylococcus aureus by the firefly bioluminescent ATP method. Tuncan EU, et al. **Appl Environ Microbiol** 1987 Jan;53(1):88–91

The effect of caseous lymphadenitis on body condition and weight of Merino mutton carcases. Batey RG. **Aust Vet J** 1986 Aug;63(8):268

Fish consumption and prevention of coronary heart disease. Kromhout D. **Bibl Nutr Dieta** 1987;(40):51–7 (23 ref.)

Gordon memorial lecture. Poultry disease and public health. Kampelmacher EH. **Br Poult Sci** 1987 Mar;28(1):3–13

Mutagenic metabolites in urine and feces of rats fed with 2-amino-3,8-dimethylimidazo[4,5-f]quinoxaline, a carcinogenic mutagen present in cooked meat. Hayatsu H, et al. **Cancer Res** 1987 Feb 1;47(3):791–4

Critical review of water activities and microbiology of drying of meats. Gailani MB, et al. **CRC Crit Rev Food Sci Nutr** 1986;25(2):159–83 (147 ref.)

Use of blue cotton for detection of mutagenicity in human feces excreted after ingestion of cooked meat. Hayatsu H, et al. **Environ Health Perspect** 1986 Aug;67:31–4

Effect of antral acidification on acid secretion induced by meat and pentagastrin. Williams CB, et al. **Gastroenterology** 1969 Oct;57(4):399–405

Isolation of bacteria of public health significance from some pork products. Prasad M, et al. **Indian J Pathol Microbiol** 1986 Oct;29(4):328–36

Studies on Taenia saginata cysticercosis in eastern Nigeria. Okolo MI. **Int J Zoonoses** 1986 Jun;13(2):98–103

Bacterial drug resistance in meat animals: a review. Okolo MI. **Int J Zoonoses** 1986 Sep;13(3):143–52 (59 ref.)

Yield grades and cutability of carcass beef with and without kidney and pelvic fat. Crouse JD, et al. **J Anim Sci** 1986 Oct;63(4):1134–9

The effects of rate change in body weight on tissue development and meat quality of youthful bulls. Crouse JD, et al. **J Anim Sci** 1986 Dec;63(6):1824–9

Effects of slaughter weight and carcass electrical stimulation on the quality and palatability of beef from young purebred bulls. Solomon MB, et al. **J Anim Sci** 1986 Dec; 63(6):1838–44

Histopathological observation of stress myopathy in M. longissimus in the pig and relationships with meat quality, fattening and slaughter traits. Sosnicki A. **J Anim Sci** 1987 Aug;65(2):584–96

Effects of zeranol-implantation periods on palatability of longissimus steaks from young bulls and steers. Unruh JA, et al. **J Anim Sci** 1987 Jul;65(1):165–72

Fate of salmonellas and competing flora in meat sample enrichments in buffered peptone water and in Muller-Kauffmann's tetrathionate medium. Beckers HJ, et al. **J Appl Bacteriol** 1987 Feb;62(2):97–104

Efficacy of some methods and media for detecting and enumerating Campylobacter jejuni in frozen chicken meat. Beuchat LR. **J Appl Bacteriol** 1987 Mar;62(3):217–21

Bacterial sources of putrescine and cadaverine in chill stored vacuum-packaged beef. Dainty RH, et al. **J Appl Bacteriol** 1986 Aug;61(2):117–23

Volatile compounds produced by meat pseudomonads and relate reference strains during growth on beef stored in air at chill temperatures. Edwards RA, et al. **J Appl Bacteriol** 1987 May;62(5):403–12

The effect of sodium chloride and temperature on the rate and extent of growth of Clostridium botulinum type A in pasteurized pork slurry. Gibson AM, et al. **J Appl Bacteriol** 1987 Jun;62(6):479–90

Conventional taxonomy of lactobacilli surviving radurization of meat. Hastings JW, et al. **J Appl Bacteriol** 1987 Mar; 62(3):209–16

Dielectric properties of beef, beef liver, chicken and salmon at frequencies from 100 to 2500 MHz. Tran VN, et al. **J Microw Power Electromagn Energy** 1987;22(1):29–33

Plasma, tissue and fecal cholesterol of young pigs fed restricted or liberal amounts of beef, soy or conventional diets. Diersen-Schade DA, et al. **J Nutr** 1986 Nov; 116(11):2086–95

Heme, ferritin and vegetable iron absorption in humans from meals denatured of heme iron during the cooking of beef. Martínez-Torres C, et al. **J Nutr** 1986 Sep;116(9):1720–5

Apparent small intestinal absorption of nitrogen and minerals from soy and meat-protein-based diets. A study on human ileostomy subjects. Sandström B, et al. **J Nutr** 1986 Nov; 116(11):2209–18

Food Animal Residue Avoidance Databank (FARAD): a pharmacokinetic-based information resource. Sundlof SF, et al. **J Vet Pharmacol Ther** 1986 Sep;9(3):237–45

Yersinia enterocolitica infections and pork [letter] Gurguí Ferrer M, et al. **Lancet** 1987 Aug 8;2(8554):334

Butchers and prostate cancer [letter] Heitzman RJ. **Lancet** 1987 Feb 21;1(8530):453

Prostatic cancer, butchers, and androgens [letter] James WH. **Lancet** 1987 Jan 24;1(8526):216–7

Birth sex ratios and prostatic cancer in butchers [letter] Lloyd MM, et al. **Lancet** 1987 Mar 7;1(8532):561

Yersinia enterocolitica infections and pork: the missing link. Tauxe RV, et al. **Lancet** 1987 May 16;1(8542):1129–32

Chloramphenicol-resistant Salmonella newport traced through hamburger to dairy farms [letter] Ryan CP, et al. **N Engl J Med** 1987 Sep 3;317(10):632

Chloramphenicol-resistant Salmonella newport traced through hamburger to dairy farms. A major persisting source of human salmonellosis in California. Spika JS, et al. **N Engl J Med** 1987 Mar 5;316(10):565–70

Involvement of intestinal anaerobes in the spoilage of red meats, poultry and fish. Roberts TA, et al. **Soc Appl Bacteriol Symp Ser** 1986;13:333–49 (89 ref.)

Potential applications of pharmacokinetics toward minor species-use approvals: human food safety. Juskevich JC. **Vet Hum Toxicol** 1987;29 Suppl 1:89–92 (6 ref.)

Antibiotic use in meat animals [letter] Brander G. **Vet Rec** 1987 May 9;120(19):467–8

Cost-effective meat inspection. Hathaway SC, et al. **Vet Rec** 1987 Jan 24;120(4):78

Proposed banning of hormonal implants [letter] Milligan WA. **Vet Rec** 1986 Oct 4;119(14):362

Antibiotic use in meat animals [letter] Shilleto M. **Vet Rec** 1987 Jun 6;120(23):563

Decontamination of Campylobacter jejuni on chicken drumsticks using chemicals and radiation. Yogasundram K, et al. **Vet Res Commun** 1987;11(1):31–40

The viability of Campylobacter jejuni on refrigerated chicken drumsticks. Yogasundram K, et al. **Vet Res Commun** 1986 Nov;10(6):479–86

Occurrence of Yersinia spp. in raw beef, pork and chicken. Fukushima H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1987 Apr; 184(1):50–9

Raw beef, pork and chicken in Japan contaminated with Salmonella sp., Campylobacter sp., Yersinia enterocolitica, and Clostridium perfringens--a comparative study. Fukushima H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1987 Apr; 184(1):60–70

Specific nutritional requirements of Lactobacilli spp. from meat. Montel MC, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Dec; 183(1):23–7

Coating of chilled beef cuts with acetylated monoglycerides for prolongation of freshness and reduction of weight loss from purge. Liebich H, et al. **Zentralbl Veterinarmed [B]** 1986 Dec;33(10):740–50

[Wet carcass syndrome in sheep: incidence and geographic distribution] Jansen BN, et al. **J S Afr Vet Assoc** 1986 Mar; 57(1):25–7 (Eng. Abstr.) **(Afr)**

[Effect of slaughterhouse capacity on the hygienic production of beef] Abu-Eshi I, et al. **Vet Med Nauki** 1987; 24(3):73–7 (Eng. Abstr.) **(Bul)**

[Effect of a Saccharomyces cerevisiae yeast preparation on the quality of pork] Rizvanov S. **Vet Med Nauki** 1987; 24(4):84–7 (Eng. Abstr.) **(Bul)**

[Acid-base equilibrium in the blood in cattle in relation to the incidence of DFD (dark, firm, dry) meat] Novotná B, et al. **Vet Med (Praha)** 1986 Dec;31(12):713–24 (Eng. Abstr.) **(Cze)**

[Bacteriologic status of the muscle tissue of broilers in the fattening phase and following meat removal] Fries R, et al. **Berl Munch Tierarztl Wochenschr** 1987 Jul 1; 100(7):233–7 (Eng. Abstr.) **(Ger)**

[The occurrence of Trichinella spiralis in domestic and wild pigs and in prepared pork products in Turkey] Nazli B, et al. **Berl Munch Tierarztl Wochenschr** 1987 Jun 1; 100(6):187–90 (Eng. Abstr.) **(Ger)**

[Qualitative and quantitative studies on Salmonellae in industrially obtained poultry meat (broilers)] Fries R. **DTW** 1987 Apr 8;94(4):197–200 (Eng. Abstr.) **(Ger)**

[Determination of the radioactive burden of vegetation and the transfer of radionuclides from plants into meat] Hecht H. **DTW** 1987 Jun 9;94(6):361–4 (Eng. Abstr.) **(Ger)**

[The dissemination of Salmonella by meat and meat products from swine] Schmidt U. **Tierarztl Prax** 1986;14(4):565–73 (Eng. Abstr.) **(Ger)**

[Interaction of lipids and meat proteins. 2. Digestibility of proteins in vitro, thermohydrolysis of collagen, changes in the content of essential amino acids and coefficients of the relative nutritive value of proteins] Janitz W. **Z Ernahrungswiss** 1987 Jun;26(2):107–15 (Eng. Abstr.) **(Ger)**

[Food of animal origin that is potentially infected and in danger of becoming infected by contact. (Food hygiene consequences by the example of the occurrence of Salmonella in meat of slaughtered animals and of hepatitis A viruses in mussels)] Ozari R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Dec; 183(2-3):234–9 (Eng. Abstr.) **(Ger)**

[Hygiene of meat production and processing] Reuter G. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Dec; 183(1):1–22 (46 ref.) (Eng. Abstr.) **(Ger)**

[Effect of low temperatures on the viability of Cysticercus bovis] Kozakiewicz B. **Pol Arch Weter** 1986;24(3):405–12 (Eng. Abstr.) **(Pol)**

[Characteristics and variability of microflora in steamed common sausage during the post-production storage period] Libelt K. **Pol Arch Weter** 1984;24(1):51–64 (Eng. Abstr.) **(Pol)**

[Dynamics of decomposition processes in steamed common sausage under various storage conditions] Libelt K. **Pol Arch Weter** 1984;24(1):65–77 (Eng. Abstr.) **(Pol)**

[Various indices of the immunologic reorganization of the body in allergic dermatitis] Denisov GI, et al. **Vestn Dermatol Venerol** 1987;(2):48–51 (Eng. Abstr.) **(Rus)**

[Hygienic basis for using fish treated with crotonolactone as human food] Novoderzhkina IuG, et al. **Vopr Pitan** 1986 Jul–Aug;(4):63–5 (Eng. Abstr.) **(Rus)**

[Effectiveness of using new sausage products in the treatment of anemia] Shalkhova GI. **Vopr Pitan** 1986 Sep–Oct; (5):63–6 (Eng. Abstr.) **(Rus)**

[Biological value of the meat from animals implanted with betazine and diiodotyrosine and its effect on the body] Zhirnov VV, et al. **Vopr Pitan** 1986 Jul–Aug;(4):60–2 (Eng. Abstr.) **(Rus)**

[Morphologic criteria of the hygienic evaluation of new types of hydrobions] Kryshevich LP. **Vrach Delo** 1987 Feb; (2):111–3 (Eng. Abstr.) **(Rus)**

[Effect of beef products from cattle fed a nitro-carbonate additive on the hematopoiesis of the rat] Zverkova AS, et al. **Vrach Delo** 1987 May;(5):85–6 (Eng. Abstr.) **(Rus)**

[Zootechnic measurements and characterization of ducts of the native Salvadorean hog] Olivares Castro M. **Arch Latinoam Nutr** 1986 Mar;36(1):9–31 (Eng. Abstr.) **(Spa)**

[Sensory evaluation of quality and quality differences in slaughtered chickens] Wittig de Penna E, et al. **Arch Latinoam Nutr** 1985 Dec;35(4):631–9 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Prevalence of viral warts on the hands of retail butchers. Buchet C, et al. **Derm Beruf Umwelt** 1986 Jul–Aug; 34(4):108–9

Identification of the mutagens in cooked beef. Felton JS, et al. **Environ Health Perspect** 1986 Aug;67:17–24

Subacute study of rats fed ground beef treated with aqueous chlorine: hematologic and clinical pathology. Kotula AW, et al. **J Toxicol Environ Health** 1987;20(4):401–9

Leads from the MMWR. Trichinosis--Hawaii. **JAMA** 1987 Feb 20;257(7):912

Prostate cancer and androgens [letter] [published erratum appears in Lancet 1987 Apr 25;1(8539):994] Johnson ES. **Lancet** 1987 Apr 4;1(8536):814

Staphylococcal food poisoning from turkey at a country club buffet--New Mexico. **MMWR** 1986 Nov 21;35(46):715–6, 721–2

Trichinosis--Hawaii. **MMWR** 1987 Jan 23;36(2):14–6

An outbreak of thyrotoxicosis caused by the consumption of bovine thyroid gland in ground beef. Hedberg CW, et al. **N Engl J Med** 1987 Apr 16;316(16):993–8

[A small outbreak of salmonellosis caused by Bologna sausage] van Netten P, et al. **Tijdschr Diergeneeskd** 1986 Dec 15;111(24):1271–5 (Eng. Abstr.) **(Dut)**

[Salmonellosis and salmonella excretion--a challenge for

meat hygiene] Stolle FA. **DTW** 1986 Nov 21; 93(10):495–501 (Eng. Abstr.) **(Ger)**

ANALYSIS

Trp-P-2 is not detectable in cooked meat and fish. Murray S, et al. **Carcinogenesis** 1987 Jul;8(7):937–40

Mutagen formation in a model beef supernatant fraction. IV. Properties of the system. Taylor RT, et al. **Environ Health Perspect** 1986 Aug;67:59–74

Arsenic, cadmium, lead and mercury in meat, livers and kidneys of cattle slaughtered in The Netherlands during 1980–1985. Vos G, et al. **Food Addit Contam** 1987 Jan–Mar; 4(1):73–88

Residue levels of hexachlorobenzene in meat and poultry in the food supply of the USA. Brown EA, et al. **IARC Sci Publ** 1986;(77):99–108

Effects of meat composition and cooking conditions on the formation of mutagenic imidazoquinoxalines (MeIQx and its methyl derivatives). Jägerstad M, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1985; 16:87–96 (35 ref.)

Measurement of the gristle content in beef by macroscopic ultraviolet fluorimetry. Swatland HJ. **J Anim Sci** 1987 Jul; 65(1):158–64

Carcass and meat quality characteristics and backfat fatty acid composition of swine as affected by the consumption of peanuts remaining in the field after harvest. West RL, et al. **J Anim Sci** 1987 Aug;65(2):475–80

Symposium on critical analysis of analytical methods for meat foods. 99th annual international meeting of AOAC (Association of Official Analytical Chemists). October 1985. **J Assoc Off Anal Chem** 1987 Jan–Feb;70(1):69–99

Evaluation of direct saponification method for determination of cholesterol in meats. Adams ML, et al. **J Assoc Off Anal Chem** 1986 Sep–Oct;69(5):844–6

Amino acid analysis for meat protein evaluation. Ashworth RB. **J Assoc Off Anal Chem** 1987 Jan–Feb;70(1):80–5

Determination of nitrogen and protein content of meat and meat products. Benedict RC. **J Assoc Off Anal Chem** 1987 Jan–Feb;70(1):69–74

Determination of soy in meat. Berkowitz DB, et al. **J Assoc Off Anal Chem** 1987 Jan–Feb;70(1):85–90

Optimization of sweep codistillation apparatus for determination of coumaphos and other organophosphorus pesticide residues in animal fat. Brown RL, et al. **J Assoc Off Anal Chem** 1987 May–Jun;70(3):442–5

Current trends in levels of volatile N-nitrosamines in fried bacon and fried-out bacon fat. Canas BJ, et al. **J Assoc Off Anal Chem** 1986 Nov–Dec;69(6):1020–1

Detection of beef and poultry by serological field screening tests (ORBIT and PROFIT): collaborative study. Cutrufelli ME, et al. **J Assoc Off Anal Chem** 1987 Mar–Apr; 70(2):230–3

Chemical analysis of meat products. Ellis RL. **J Assoc Off Anal Chem** 1987 Jan–Feb;70(1):77–80

Rapid methods for determination of meat composition. McNeal JE. **J Assoc Off Anal Chem** 1987 Jan–Feb; 70(1):95–9

Determination of total lipid and lipid subclasses in meat and meat products. Maxwell RJ. **J Assoc Off Anal Chem** 1987 Jan–Feb;70(1):74–7

Determination of olaquindox residues in swine tissues by liquid chromatography. Nagata T, et al. **J Assoc Off Anal Chem** 1987 Jul–Aug;70(4):706–7

Liquid chromatographic determination of amprolium in chicken tissues, using post-column reaction and fluorometric detection. Nagata T, et al. **J Assoc Off Anal Chem** 1986 Nov–Dec;69(6):941–3

Liquid chromatographic determination of cyclopiazonic acid in poultry meat. Norred WP, et al. **J Assoc Off Anal Chem** 1987 Jan–Feb;70(1):121–3

Thin-layer chromatographic determination of erythromycin and other macrolide antibiotics in livestock products. Petz M, et al. **J Assoc Off Anal Chem** 1987 Jul–Aug;70(4):691–7

Marine fish as source of protein supplement in meat. Rasekh JG. **J Assoc Off Anal Chem** 1987 Jan–Feb;70(1):91–5

Improved enzyme-linked immunosorbent assay for determination of soy protein in meat products. Rittenburg JH, et al. **J Assoc Off Anal Chem** 1987 May–Jun;70(3):582–7

Flame absorption spectroscopic determination of cadmium, copper, iron, lead, and zinc in mussels. Solchaga M, et al. **J Assoc Off Anal Chem** 1986 Sep–Oct;69(5):874–6

Liquid chromatographic determination of free and added niacin and niacinamide in beef and pork. Takatsuki K, et al. **J Assoc Off Anal Chem** 1987 Jul–Aug;70(4):698–702

Liquid chromatographic determination of fluridone aquatic herbicide and its metabolite in fish and crayfish. West SD, et al. **J Assoc Off Anal Chem** 1986 Sep–Oct;69(5):856–9

Detection and quantitation of pork in unheated pork–beef blends by high-performance liquid chromatography. Ashoor SH, et al. **J Chromatogr** 1987 Apr 29;393(2):329–34

Determination of soy protein, whey protein, and casein in unheated meats by high-performance liquid chromatography. Ashoor SH, et al. **J Chromatogr** 1987 Apr 29;393(2):321–8

Determination of thyreostatics in meat by reversed-phase liquid chromatography with ultraviolet and electrochemical detection. Hooijerink H, et al. **J Chromatogr** 1987 May 22;394(2):403–7

Gas chromatographic–mass spectrometric determination of macrolide antibiotics in beef and pork using single ion monitoring. Takatsuki K, et al. **J Chromatogr** 1987 Mar 27;391(1):207–17

Mesophilic aerobic organisms and certain pathogens associated with raw and cooked meat. Saddik MF, et al. **J Egypt Public Health Assoc** 1985;60(3–4):53–64

Mesophilic aerobic organisms and certain pathogens associated with raw and cooked poultry. el-Sherbeeny MR, et al. **J Egypt Public Health Assoc** 1985;60(3–4):65–76

The presence of trans unsaturated fatty acids in ruminant meat and milk is unnatural. Booyens J. **Med Hypotheses** 1986 Nov;21(3):249–52

Identification of the mutagenic quinoxaline isomers from fried ground beef. Knize MG, et al. **Mutat Res** 1987 May; 178(1):25–32

Mutagen formation in fried meat emulsion containing various amounts of creatine. Nes IF. **Mutat Res** 1986 Nov; 175(3):145–8

Mutagenicity of pan residues and gravy from fried meat. Overvik E, et al. **Mutat Res** 1987 Feb;187(2):47–53

Influence of cooking methods on the nutritive value of turkey meat. Borowski J, et al. **Nahrung** 1986;30(10):987–93

Decontamination puts meat in a pickle [letter] Wahl R, et al. **Nature** 1986 Sep 18–24;323(6085):208

Thermal transitions of natural actomyosin from poultry breast and thigh tissues. Acton JC, et al. **Poult Sci** 1986 Nov; 65(11):2051–5

Detection of blood (hemoglobin) contamination in poultry muscle tissue. Lyon BG, et al. **Poult Sci** 1986 Oct; 65(10):1919–24

Cadmium in edible crabs (Cancer pagurus L.) from Scottish coastal waters. Falconer CR, et al. **Sci Total Environ** 1986 Oct;54:173–83

Determination of volatile nitrosamines in cheese and cured meat products. Model study of a temperature- and pH-dependent artefact formation phenomenon in alkaline medium. Groenen PJ, et al. **Z Lebensm Unters Forsch** 1987 Jul;185(1):24–30

The quality evaluation of frankfurter-type sausages from hand and mechanically deboned turkey meat. Radomyski T, et al. **Z Lebensm Unters Forsch** 1987 Mar;184(3):215–9

Arsenic, cadmium, lead and mercury in meat, livers, and kidneys of swine slaughtered in The Netherlands during the period 1980–1985. Vos G, et al. **Z Lebensm Unters Forsch** 1986 Dec;183(6):397–401

[Chemical composition of poultry livers] Georgiev L, et al. **Vet Med Nauki** 1987;24(2):68–71 (Eng. Abstr.) **(Bul)**

[Quality and nutritive value of the liver from fattened local geese] Kostadinov K. **Vet Med Nauki** 1986;23(8):62–9 (Eng. Abstr.) **(Bul)**

[Veterinary Chief Inspection of Public Health. Analysis of residues in slaughtering animals and fresh meat] **Tijdschr Diergeneeskd** 1987 Mar 15;112(6):357–60 **(Dut)**

[Reconsideration of the 'bacteriological examination' of slaughter stock] Engel HW, et al. **Tijdschr Diergeneeskd** 1987 May 1;112(9):536–40 (Eng. Abstr.) **(Dut)**

[Optimization of the determination of muscle acid phosphatase in the post-mortem chicken. Study of the stability of enzyme activity during meat storage at 4 degrees C. and -20 degrees C.] el Hadef el Okki S, et al. **Ann Rech Vet** 1987;18(1):73–7 (Eng. Abstr.) **(Fre)**

[Meat inspection with a garlic press] Schuler T. **Schweiz Arch Tierheilkd** 1987 Mar;129(3):165–6 (Eng. Abstr.) **(Ger)**

[Interactions of fats and proteins of meat. 1. Dynamics of fat oxidation and quantitative determination of protein-fat complexes] Janitz W. **Z Ernahrungswiss** 1987 Mar; 26(1):62–72 (Eng. Abstr.) **(Ger)**

[Experimental studies on the N-nitrosamine formation in bacon during cooking] Nakamura M. **Nippon Eiseigaku Zasshi** 1987 Feb;41(6):914–25 (Eng. Abstr.) **(Jpn)**

[Organochlorine pesticides and polychlorinated biphenyls in the adipose tissue of abattoir and game animals from the northern region of Poland, 1984] Falandysz J, et al. **Rocz Panstw Zakl Hig** 1986;37(6):487–93 (Eng. Abstr.) **(Pol)**

[Determining the residues of antibiotics and other drugs in food products] Rybińska K, et al. **Rocz Panstw Zakl Hig** 1986;37(3):185–8 (Eng. Abstr.) **(Pol)**

[Biological value of proteins in combined meat paste products] Goncharova MV, et al. **Vopr Pitan** 1986 Sep–Oct; (5):18–21 (Eng. Abstr.) **(Rus)**

[Preservation of thiamine, riboflavin, niacin and ascorbic acid in vitamin-enriched minced meat products after different types of heat processing] Mglinets AI, et al. **Vopr Pitan** 1987 Mar–Apr;(2):63–6 (Eng. Abstr.) **(Rus)**

[Effect of different types of cooking ammonia-contaminated meat on its ammonia content] Nigmatullina GN. **Vopr Pitan** 1987 May–Jun;(3):63–4 (Eng. Abstr.) **(Rus)**

[Determination of the enterotoxigenicity of Staphylococcus aureus strains isolated from meat products] Amador R, et al. **Rev Latinoam Microbiol** 1986 Apr–Jun;28(2):127–31 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Measurements of induced radioactivity in electron- and photon-irradiated beef. Miller A, et al. **Int J Rad Appl Instrum [A]** 1987;38(7):507–12

STANDARDS

Revised post-mortem inspection procedures for cattle and pigs slaughtered at Australian abattoirs. McMahon J, et al. **Aust Vet J** 1987 Jun;64(6):183–7

Ante-mortem and post-mortem meat inspection: an Australian Inspection Service perspective. Murray G. **Aust Vet J** 1986 Jul;63(7):211–5

Bacteriological status of beef carcasses at a commercial abattoir before and after slaughterline improvements. Hudson WR, et al. **Epidemiol Infect** 1987 Feb;98(1):81–6

Bacterial populations on dressed pig carcasses. Morgan IR, et al. **Epidemiol Infect** 1987 Feb;98(1):15–24

Effects of Sarcocystis miescheriana infection on carcass weight and meat quality of halothane-tested fattening pigs. Daugschies A, et al. **Vet Parasitol** 1987 Jun;25(1):19–31

Antibiotic use in meat animals [letter] **Vet Rec** 1987 Jul 4; 121(1):23

Tuberculous infection in cattle not detected by slaughterhouse inspection. de Kantor IN, et al. **Zentralbl Veterinarmed [B]** 1987 Apr;34(3):202–5

[Condemnation of 60 tons of South American beef] Bruins B Jzn., et al. **Tijdschr Diergeneeskd** 1987 Jan 15;112(2):97–9 (Eng. Abstr.) **(Dut)**

[The use of flocculation sludge in poultry feed. The effect of feeding flocculation sludge on the quality of broiler chickens] de Vries AW, et al. **Tijdschr Diergeneeskd** 1986 Oct 15;111(20):979–82 (Eng. Abstr.) **(Dut)**

[The microbiological status of dry sausage in East Netherlands] Hartog BJ, et al. **Tijdschr Diergeneeskd** 1987 Mar 15;112(6):322–33 (Eng. Abstr.) **(Dut)**

[The practitioner and meat inspection] van der Zee L. **Tijdschr Diergeneeskd** 1987 Jun 1;112(11):692–3 **(Dut)**

[Preliminary radiation hygiene evaluation of the meat of animals whose feed was supplemented with mine water] Tomilin IuA, et al. **Vopr Pitan** 1987 Jan–Feb;(1):61–4 (Eng. Abstr.) **(Rus)**

TOXICITY

Modifying action of vegetable juice on the mutagenicity of beef extract and nitrosated beef extract. Münzner R. **Food Chem Toxicol** 1986 Aug;24(8):847–9

MEAT-PACKING INDUSTRY

Occurrence of cancer in women in the meat industry. Johnson ES, et al. **Br J Ind Med** 1986 Sep;43(9):597–604

Mortality from non-malignant diseases among women in the meat industry. Johnson ES. **Br J Ind Med** 1987 Jan; 44(1):60–3

Consultant to the food animal industry. Price LW. **J Am Vet Med Assoc** 1987 May 15;190(10):1274–6

Carpal tunnel syndrome [letter] Lucire Y. **J Hand Surg [Am]** 1987 May;12(3):483–4

Noncancer mortality in the meat industry: white males. Johnson ES. **J Occup Med** 1987 Apr;29(4):330–4

Religious slaughter [letter] Mews A, et al. **Vet Rec** 1986 Aug 16;119(7):161–2

[Multiple warts in food handlers] Durocher LP, et al. **Union Med Can** 1986 Sep;115(9):642–4, 646 (Eng. Abstr.) **(Fre)**

[Occupational erysipeloid at meat processing plants and its prevention] Chalkovskii VT, et al. **Gig Tr Prof Zabol** 1986 Oct;(10):14–7 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

An evaluation of knife handle guarding. Cochran DJ, et al. **Hum Factors** 1986 Jun;28(3):295–301

STANDARDS

[Hygiene of meat production and processing] Reuter G. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Dec; 183(1):1–22 (46 ref.) (Eng. Abstr.) **(Ger)**

MEAT PRODUCTS see under **MEAT**

MEBALLYMAL see **SECOBARBITAL**

MEBENDAZOLE

ADMINISTRATION & DOSAGE

Human cystic hydatid disease: treatment with interrupted courses of mebendazole. Mousa AM, et al. **J Trop Med Hyg** 1986 Oct;89(5):257–64

Value of unspecific drugs in chemotherapy of trichinellosis. Ozeretskovskaya NN, et al. **Med Parazytol** 1986; 32(3):319–23

[Experimental therapy of alveococcosis. 10. Effect of mebendazole combined with BCG or levamisole on the course of experimental alveococcosis in the mouse] Dzhabarova VI, et al. **Med Parazitol (Mosk)** 1986 Nov–Dec;(6):27–31 (Eng. Abstr.) **(Rus)**

[Use of plant oils to increase the bioavailability of mebendazole (in a model of larval unilocular echinococcosis)] Lur'e AA, et al. **Med Parazitol (Mosk)** 1987 Mar–Apr;(2):19–22 **(Rus)**

ANALOGS & DERIVATIVES

Flubendazole in-feed preparation for prophylaxis of experimental lymphatic filariasis. Kumar V, et al. **Ann Soc Belg Med Trop** 1987 Mar;67(1):75–7

Prophylactic activity of flubendazole-medicated feed on Brugia pahangi infection of multimammate rats. de Burbure

G, et al. **Ann Trop Med Parasitol** 1986 Aug;80(4):455–7
Experimental chemotherapy of Angiostrongylus cantonensis infection in mice with flubendazole, levamisole, and their combination. Kamath VR, et al. **Folia Parasitol (Praha)** 1987;34(1):87–92
Studies on anthelmintic effects of flubendazole and mebendazole on the rat lungworm Angiostrongylus cantonensis in mice and rats. Maki J, et al. **J Parasitol** 1986 Aug;72(4):512–6
Teratogenicity of flubendazole in rats. Yoshimura H. **Toxicology** 1987 Feb;43(2):133–8
[Experimental chemotherapy of alveococcosis. XI. Comparative efficacy of mebendazole, flubendazole and albendazole] Dzhabarova VI, et al. **Med Parazitol (Mosk)** 1987 Mar–Apr;(2):15–9 (Eng. Abstr.) **(Rus)**

ANALYSIS

Chromatographic isolation and mass spectrometric identification of a base-induced mebendazole fluorophor. Baeyens W, et al. **Pharmazie** 1986 Oct;41(10):709–10
Study of products containing mebendazole and beta-cyclodextrin. Kata M, et al. **Pharmazie** 1987 Jan; 42(1):65–6

BLOOD

Treatment of hydatid disease with high oral doses of mebendazole. Long-term follow-up of plasma mebendazole levels and drug interactions. Luder PJ, et al. **Eur J Clin Pharmacol** 1986;31(4):443–8

METABOLISM

[Experimental chemotherapy of alveococcosis. 9. The pharmacokinetics and effectiveness of mebendazole when administered by peroral and intramuscular routes to infected mice] Dzhabarova VI, et al. **Med Parazitol (Mosk)** 1986 Sep–Oct;(5):63–7 (Eng. Abstr.) **(Rus)**
[Effect of phospholipids on mebendazole pharmacokinetics in experimental multilocular echinococcosis] Lur'e AA, et al. **Med Parazitol (Mosk)** 1986 Sep–Oct;(5):67–71 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

In vivo 31P NMR spectrum of Hymenolepis diminuta and its change on short-term exposure to mebendazole. Thompson SN, et al. **Mol Biochem Parasitol** 1987 Jan 2; 22(1):45–54
Strongyloides ratti and S. stercoralis: effects of cambendazole, thiabendazole and mebendazole in vitro. Grove DI, et al. **Rev Inst Med Trop Sao Paulo** 1986 Mar–Apr;28(2):97–103

THERAPEUTIC USE

Consequences of continuous mebendazole therapy in alveolar hydatid disease--with a summary of a ten-year clinical trial. Rausch RL, et al. **Ann Trop Med Parasitol** 1986 Aug; 80(4):403–19
Comparative efficacy of ketoconazole and mebendazole in experimental trichinosis. Hess JA, et al. **Antimicrob Agents Chemother** 1986 Dec;30(6):953–4
Sonographic changes of hydatid cyst of the liver after treatment with mebendazole and albendazole. Singcharoen T, et al. **Br J Radiol** 1985 Sep;58(693):905–7
Human fascioliasis: cure by mebendazole? A case report. Dugernier T, et al. **Gastroenterol Clin Biol** 1986 Jun–Jul; 10(6–7):513–6
Study of different helminthic infection among Al-Azhar University students. Sidky HA, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):161–8
Treatment failures following mebendazole therapy for chronic strongyloidiasis [letter] Pelletier LL Jr, et al. **J Infect Dis** 1987 Sep;156(3):532–3
Studies on anthelmintic effects of flubendazole and mebendazole on the rat lungworm Angiostrongylus cantonensis in mice and rats. Maki J, et al. **J Parasitol** 1986 Aug;72(4):512–6
The effect of prophylactic mebendazole in experimental peritoneal hydatidosis. Sayek I, et al. **Surg Gynecol Obstet** 1986 Oct;163(4):351–3
Treatment of enterobiasis with mebendazole. Mislóczky SM, et al. **Ther Hung** 1985;33(4):214–5
Mebendazole and Ascaris migration. Brawley RL, et al. **West J Med** 1986 Oct;145(4):514–5
[Preliminary clinical observations on mebendazole and traditional Chinese medicine treatment in 57 cases with echinococcosis] Jiang CP. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(3):209–11 (Eng. Abstr.) **(Chi)**
[Human hydatidosis caused by Echinococcus granulosus: problems of medical and surgical therapy] De Rosa F, et al. **Clin Ter** 1987 Mar 31;120(6):511–27 (Eng. Abstr.) **(Ita)**
[Experimental therapy in Chinese hamsters and rats infected with larval Echinococcus multilocularis by using mebendazole, albendazole and ivermectin with brief review of chemotherapy of human multilocular echinococcosis] Inaoka T, et al. **Hokkaido Igaku Zasshi** 1987 Jan; 62(1):54–67 (47 ref.) (Eng. Abstr.) **(Jpn)**
[A clinical evaluation of mebendazole in trichuriasis in Japan] Tanabe K, et al. **Kansenshogaku Zasshi** 1987 Feb; 61(2):161–6 (Eng. Abstr.) **(Jpn)**
[Experimental chemotherapy of alveococcosis. XI. Comparative efficacy of mebendazole, flubendazole and albendazole] Dzhabarova VI, et al. **Med Parazitol (Mosk)** 1987 Mar–Apr;(2):15–9 (Eng. Abstr.) **(Rus)**
[Efficacy and tolerance of treatment of echinococcosis patients (Echinococcus granulosus, Echinococcus multilocularis) with mebendazole] Ozeretskovskaia NN, et al. **Med Parazitol (Mosk)** 1986 Nov–Dec;(6):21–6 (Eng. Abstr.) **(Rus)**

TOXICITY

Experimental chemotherapy and toxicity in mice of three mebendazole polymorphic forms. Rodriguez-Caabeiro F, et al. **Chemotherapy** 1987;33(4):266–71

MEBUBARBITAL see **PENTOBARBITAL**

MEBUMAL see **PENTOBARBITAL**

MECAMYLAMINE

PHARMACODYNAMICS

Nicotinic effects on the firing pattern of midbrain dopamine neurons. Grenhoff J, et al. **Acta Physiol Scand** 1986 Nov; 128(3):351–8
A cholinergic antagonist, mecamylamine, blocks the phase-shifting effects of light on the circadian rhythm of locomotor activity in the golden hamster. Keefe DL, et al. **Brain Res** 1987 Feb 17;403(2):308–12
The role of Renshaw cells in locomotion: antagonism of their excitation from motor axon collaterals with intravenous mecamylamine. Noga BR, et al. **Exp Brain Res** 1987; 66(1):99–105
Cat carotid body chemoreceptor responses before and after nicotine receptor blockade with alpha-bungarotoxin. Mulligan E, et al. **J Auton Nerv Syst** 1987 Jan;18(1):25–31
Mecamylamine pretreatment increases subsequent nicotine self-administration as indicated by changes in plasma nicotine level. Pomerleau CS, et al. **Psychopharmacology (Berlin)** 1987;91(3):391–3

MECHANORECEPTORS

see related
PROPRIOCEPTION

The achaete-scute gene complex of D. melanogaster: conserved domains in a subset of genes required for neurogenesis and their homology to myc. Villares R, et al. **Cell** 1987 Jul 31;50(3):415–24
[Molecular biology of bacterial behavior] Imae Y, et al. **Seikagaku** 1987 Feb;59(2):81–6 (21 ref.) **(Jpn)**

ANATOMY & HISTOLOGY

Localization of mechanoreceptors in the vibrissae of the rat by staining for cholinesterase activity (ChE). Böck P. **Z Mikrosk Anat Forsch** 1987;101(1):79–90

BLOOD SUPPLY

The topography of capillaries in two different types of sensory nerve endings and some ultrastructural features of their wall. Dubový P, et al. **Z Mikrosk Anat Forsch** 1986; 100(4):577–87

CYTOLOGY

Central terminations of cutaneous mechanoreceptive afferents in the rat lumbar spinal cord. Woolf CJ. **J Comp Neurol** 1987 Jul 1;261(1):105–19
[Experimental morphological studies on central projection of snout proprioceptive afferents in moles] Hosaka K. **Kokubyo Gakkai Zasshi** 1987 Mar;54(1):208–32 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Effects of a toxic phospholipase A2 (AgTx) from the venom of the Pit viper (Agkistrodon halys (Pallas)) on the crayfish stretch receptor neuron. Rydqvist B, et al. **Acta Physiol Scand** 1987 Jun;130(2):299–305
The actions of avermectin on crayfish nerve and muscle. Chalmers AE, et al. **Eur J Pharmacol** 1986 Oct 7; 129(3):371–4
Removal of rapid sensory adaptation from an insect mechanoreceptor neuron by oxidizing agents which affect sodium channel inactivation. French AS. **J Comp Physiol [A]** 1987 Aug;161(2):275–82
The effect of acetylstrophanthidin on the responsiveness of left atrial type B receptors to saline infusion and veratrine injection in anaesthetized cats. Fahim M, et al. **Pflugers Arch** 1986 Sep;407(3):299–304
Activation of vagal gastric mechanoreceptors by cholecystokinin. Davison JS. **Proc West Pharmacol Soc** 1986;29:363–6

ENZYMOLOGY

Cholinesterase activity of lamellated sensory corpuscles in the rat lip. Watanabe I, et al. **Arq Neuropsiquiatr** 1986 Dec; 44(4):325–33

METABOLISM

Transduction proteins of olfactory receptor cells: identification of guanine nucleotide binding proteins and protein kinase C. Anholt RR, et al. **Biochemistry** 1987 Feb 10;26(3):788–95
Macromolecules in the receptor lymph of campaniform sensilla. Grünert U, et al. **Histochemistry** 1987;86(6):617–20
Stimulation-induced changes in the intracellular sodium activity of the crayfish stretch receptor. Kaila K, et al. **Neurosci Lett** 1987 Feb 10;74(1):53–7

PHYSIOLOGY

Response variability to repeated mechanical stimulation of the skin in the dorsal column system. Pertovaara A, et al. **Acta Neurobiol Exp (Warsz)** 1986;46(4):179–86
The effect of fatigue on store and re-use of elastic energy in slow and fast types of human skeletal muscle. Bosco C, et al. **Acta Physiol Scand** 1986 Sep;128(1):109–17
Peripheral neural correlates of cutaneous anaesthesia induced by skin cooling in man. Kunesch E, et al. **Acta Physiol Scand** 1987 Feb;129(2):247–57
Short and long latency reflex responses elicited by electrical and mechanical stimulation in human hand muscle. Tarkka IM, et al. **Acta Physiol Scand** 1986 Sep;128(1):71–6
Inflow as a long-term calibrator of eye position in humans. Steinbach MJ. **Acta Psychol (Amst)** 1986 Dec; 63(1–3):297–306
Role of cardiopulmonary mechanoreceptors in the postural regulation of renin. Sanchez RA, et al. **Am J Cardiol** 1987 Apr 1;59(8):881–6
Mechanosensitive afferents of femoral-saphenous vein. Davenport PW, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R367–70
Effects of renal receptor activation on neurosecretory vasopressin cells. Day TA, et al. **Am J Physiol** 1987 Aug; 253(2 Pt 2):R234–41
Effect of enkephalins on colonic mechanoreceptor synaptic input to inferior mesenteric ganglion. Shu HD, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):G128–35
Cardiac receptor modulation of blood flow and fluid transport in feline jejunum. Sjövall H, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):G116–23
Characteristics of lung mechanoreceptors in spotted gar, Lepisosteus oculatus. Smatresk NJ, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):R1066–72
Nervous receptors of the tracheobronchial tree. Sant'Ambrogio G. **Annu Rev Physiol** 1987;49:611–27 (107 ref.)
Does digoxin sensitize left ventricular mechanoreceptors? Vogt A, et al. **Basic Res Cardiol** 1986 Nov–Dec; 81(6):594–601
Left ventricular receptors: physiological controllers or pathological curiosities? Zucker IH. **Basic Res Cardiol** 1986 Nov–Dec;81(6):539–57 (100 ref.)
Testing a model of excitatory interactions between oscillators. Segundo JP, et al. **Biol Cybern** 1987; 55(6):355–66
Inhibitory synaptic input to edge cells during fictive locomotion. Alford S, et al. **Brain Res** 1987 Apr 14; 409(1):139–42
Can lactate-evoked cardiovascular responses be used to identify muscle ergoreceptors? Gregory JE, et al. **Brain Res** 1987 Feb 24;404(1–2):375–8
Role of extracellular matrix in the regeneration of a pacinian corpuscle. Ide C. **Brain Res** 1987 Jun 9;413(1):155–69
Basal laminae and Meissner corpuscle regeneration. Ide C. **Brain Res** 1986 Oct 8;384(2):311–22
Characteristics of periodontal mechanosensitive neurons in the first somatosensory cortex of the cat. Taira K. **Brain Res** 1987 Apr 14;409(1):52–61
Selective mechanical stimulation of an identified proprioceptor in freely moving locusts: role of resistance reflexes in active posture. Zill SN. **Brain Res** 1987 Aug 4;417(1):195–8
Airway anaesthesia and breathing pattern during exercise in normal subjects and in eucapnic patients with chronic airflow obstruction. Van Meerhaeghe A, et al. **Bull Eur Physiopathol Respir** 1986 Jul–Aug;22(4):381–5
The effect of high frequency oscillatory ventilation on pulmonary stretch receptors in the dog. Rewa G, et al. **Clin Invest Med** 1986;9(3):167–75
Acetylstrophanthidin does not enhance the reflex pressor response to static muscular contraction. Rybicki KJ, et al. **Clin Physiol** 1987 Feb;7(1):71–80
Influence of cardiopulmonary receptors on the bradycardic responses to carotid baroreceptor stimulation in man. Parati G, et al. **Clin Sci** 1987 May;72(5):639–45
Calcium and magnesium dependence of spontaneous and evoked afferent neural activity in the lateral-line organ of Xenopus laevis. Drescher DG, et al. **Comp Biochem Physiol [A]** 1987;87(2):305–10
Taste receptor mechanism of salts in frog and rat. Yoshii K, et al. **Comp Biochem Physiol [A]** 1986;85(3):501–7
Response characteristics of peripheral mechanoreceptive units in man: relation to the sensation magnitude and to the subject's task. Astrand K, et al. **Electroencephalogr Clin Neurophysiol** 1986 Nov; 64(5):438–46
Relationship between thresholds detection of vibratory sensation and sensory nerve electrophysiology. Passero S, et al. **Electromyogr Clin Neurophysiol** 1986 Dec;

26(8):705–10
Further studies on the mechanisms of the tachykinin–induced activation of micturition reflex in rats: evidence for the involvement of the capsaicin–sensitive bladder mechanoreceptors. Maggi CA, et al. **Eur J Pharmacol** 1987 Apr 14;136(2):189–205
Responses in glabrous skin mechanoreceptors during precision grip in humans. Westling G, et al. **Exp Brain Res** 1987;66(1):128–40
Responses of neurons in nucleus supratrigeminalis to sinusoidal jaw movements in the cat. Miyazaki R, et al. **Exp Neurol** 1987 Apr;96(1):145–57
Expiratory neurons in the region of the retrofacial nucleus: inhibitory effects of intercostal tendon organs. Shannon R, et al. **Exp Neurol** 1987 Sep;97(3):730–4
Prey localization by surface wave ray–tracing: fish track bugs like oceanographers track storms. Käse RH, et al. **Experientia** 1987 Mar 15;43(3):290–3
Rapid elbow flexion in the absence of proprioceptive and cutaneous feedback. Forget R, et al. **Hum Neurobiol** 1987; 6(1):27–37
Medullary inspiratory activity: influence of intercostal tendon organs and muscle spindle endings. Bolser DC, et al. **J Appl Physiol** 1987 Mar;62(3):1046–56
Reinnervation of pulmonary stretch receptors. Clifford PS, et al. **J Appl Physiol** 1987 May;62(5):1912–6
Stretch–induced membrane depolarization in ferret trachealis smooth muscle cells. Coburn RF. **J Appl Physiol** 1987 Jun; 62(6):2320–5
Effect of expiratory loading on expiratory duration and pulmonary stretch receptor discharge. Davenport PW, et al. **J Appl Physiol** 1986 Nov;61(5):1857–63
Rapidly adapting receptor activity in dogs is inversely related to lung compliance. Jonzon A, et al. **J Appl Physiol** 1986 Nov;61(5):1980–7
Bilateral convergence of pulmonary stretch receptor inputs on I beta–neurons in the cat. Kubin L, et al. **J Appl Physiol** 1987 Apr;62(4):1488–96
Acute effect of cigarette smoke on laryngeal receptors. Lee LY, et al. **J Appl Physiol** 1987 Apr;62(4):1575–81
Involvement of gastrointestinal mechano– and intestinal chemoreceptors in vagal reflexes: an electrophysiological study. Blackshaw LA, et al. **J Auton Nerv Syst** 1987 Mar; 18(3):225–34
Vagal afferent discharge from gastric mechanoreceptors during contraction and relaxation of the ferret corpus. Blackshaw LA, et al. **J Auton Nerv Syst** 1987 Jan; 18(1):19–24
The lateral line mechanoreceptive mesencephalic, diencephalic, and telencephalic regions in the thornback ray, Platyrhinoidis triseriata (Elasmobranchii). Bleckmann H, et al. **J Comp Physiol [A]** 1987 Jun;161(1):67–84
Intracellular stimulation of sensory cells elicits swimming activity in the medicinal leech. Debski EA, et al. **J Comp Physiol [A]** 1987 Apr;160(4):447–57
K+ and Ca++ in the receptor lymph of arthropod cuticular mechanoreceptors. Grünert U, et al. **J Comp Physiol [A]** 1987 Aug;161(2):329–33
Physiology and tonotopic organization of auditory receptors in the cricket Gryllus bimaculatus DeGeer. Oldfield BP, et al. **J Comp Physiol [A]** 1986 Oct;159(4):457–64
Periodontal mechanoreceptors and parotid secretion in animals and man. Anderson DJ, et al. **J Dent Res** 1987 Feb;66(2):518–23
Sexually dimorphic mechanosensitive swimmeret sensilla affect abdominal posture in the lobster. Kotak VC, et al. **J Neurobiol** 1986 Sep;17(5):421–9
Silencing normal input permits regenerating foreign afferents to innervate an identified crayfish sensory interneuron. Krasne FB. **J Neurobiol** 1987 Jan;18(1):61–73
Modulation of pacemaker activity by IPSP and brief length perturbations in the crayfish stretch receptor. Buño W Jr, et al. **J Neurophysiol** 1987 Mar;57(3):819–34
The ventroposterior inferior nucleus in the thalamus of cats: a relay nucleus in the Pacinian pathway to somatosensory cortex. Herron P, et al. **J Neurophysiol** 1986 Dec; 56(6):1475–97
Mechanoreceptor response to mechanical and thermal stimuli in the glans penis of the dog. Johnson RD, et al. **J Neurophysiol** 1987 Jun;57(6):1813–36
Tactile detection of a dot on a smooth surface: peripheral neural events. LaMotte RH, et al. **J Neurophysiol** 1986 Oct; 56(4):1109–28
Single–unit responses and reflex effects of force–sensitive mechanoreceptors of the dactyl of the crab. Libersat F, et al. **J Neurophysiol** 1987 May;57(5):1601–17
Force–sensitive mechanoreceptors of the dactyl of the crab: single–unit responses during walking and evaluation of function. Libersat F, et al. **J Neurophysiol** 1987 May; 57(5):1618–37
A thalamic terminus of the lateral cervical nucleus: the lateral division of the posterior nuclear group. Metherate RS, et al. **J Neurophysiol** 1986 Dec;56(6):1498–520
Correlation analysis of muscle receptor discharge during active contractions of the cat medial gastrocnemius muscle. Osborn CE, et al. **J Neurophysiol** 1987 Feb;57(2):343–56
Tactile discrimination of shape: responses of slowly adapting mechanoreceptor afferents to a step stroked across the monkey fingerpad. LaMotte RH, et al. **J Neurosci** 1987 Jun;7(6):1655–71
Tactile discrimination of shape: responses of rapidly adapting mechanoreceptive afferents to a step stroked across the monkey fingerpad. LaMotte RH, et al. **J Neurosci** 1987 Jun;7(6):1672–81
Sinusoidal movement of a grating across the monkey's fingerpad: temporal patterns of afferent fiber responses. Morley JW, et al. **J Neurosci** 1987 Jul;7(7):2181–91
Projections of the wing stretch receptors to central flight neurons in the locust. Reye DN, et al. **J Neurosci** 1987 Aug;7(8):2476–87
Tactile discrimination of shape: responses of slowly and rapidly adapting mechanoreceptive afferents to a step indented into the monkey fingerpad. Srinivasan MA, et al. **J Neurosci** 1987 Jun;7(6):1682–97
Are Merkel cell–neurite reciprocal synapses involved in the initiation of tactile responses in salamander skin? Diamond J, et al. **J Physiol (Lond)** 1986 Jul;376:101–20
Transmembrane ion balance in slowly and rapidly adapting lobster stretch receptor neurones. Edman A, et al. **J Physiol (Lond)** 1986 Aug;377:171–91
Venous mechanoreceptor input to neurones in the inferior mesenteric ganglion of the guinea–pig. Keef KD, et al. **J Physiol (Lond)** 1986 Aug;377:49–59
Spontaneous neural activity of a mechanoreceptive system is undiminished by replacement of external calcium with equimolar magnesium in the presence of EGTA. Drescher DG, et al. **Life Sci** 1987 Apr 6;40(14):1371–7
Suppression of plasma aldosterone during stimulation of cardiopulmonary mechanoreceptors in man. Sánchez RA, et al. **Medicina (B Aires)** 1986;46(4):413–7
Another cyclic–nucleotide–gated conductance [news] **Nature** 1987 Jan 29–Feb 4;325(6103):389
A cyclic nucleotide–gated conductance in olfactory receptor cilia. Nakamura T, et al. **Nature** 1987 Jan 29–Feb 4; 325(6103):442–4
Peripheral modulation of mechano–sensitivity in primary afferent neurons. Pasztor VM, et al. **Nature** 1987 Apr 23–29; 326(6115):793–5
Cross–correlation between vagal afferent impulses from pulmonary mechanoreceptors and high–frequency inflation (HFI) and deflation (HFD) in rabbits. Homma I, et al. **Neurosci Lett** 1987 Apr 10;75(3):299–302
Undiminished reflex responses of adrenal sympathetic nerve activity to stimulation of baroreceptors and cutaneous mechanoreceptors in aged rats. Kurosawa M, et al. **Neurosci Lett** 1987 Jun 15;77(2):193–8
Neuroanatomical evidence of reinnervation in primate allografted (transplanted) skin during cyclosporine immunosuppression. Samulack DD, et al. **Neurosci Lett** 1986 Dec 3;72(1):1–6
Effect of contactor area on tactile resolution of the tongue. Petrosino L, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):575–82
Discharge properties of mechanosensitive afferents supplying the retroperitoneal space. Bahns E, et al. **Pflugers Arch** 1986 Nov;407(5):519–25
Afferent C–fibres and visceral sensation. Iggo A. **Prog Brain Res** 1986;67:29–36
The possible role of periodontal mechanoreceptors in the control of parotid secretion in man. Hector MP, et al. **Q J Exp Physiol** 1987 Jul;72(3):285–301
Effects of stretch receptors of bronchi or trachea on genioglossus muscle activity. Agostoni E, et al. **Respir Physiol** 1987 Mar;67(3):335–45
Mechanoreceptor activity in the gills of the carp. I. Gill filament and gill raker mechanoreceptors. de Graaf PJ, et al. **Respir Physiol** 1987 Aug;69(2):173–82
Mechanoreceptor activity in the gills of the carp. II. Gill arch proprioceptors. de Graaf PJ, et al. **Respir Physiol** 1987 Aug;69(2):183–94
Effects of cooling on laryngeal reflexes in the dog. Mathew OP, et al. **Respir Physiol** 1986 Oct;66(1):61–70
Effects of airway cooling on tracheal stretch receptors. Sant'Ambrogio FB, et al. **Respir Physiol** 1986 Nov; 66(2):205–14
Influence of lung stiffness on rapidly adapting receptors in rabbits and cats. Yu J, et al. **Respir Physiol** 1987 May; 68(2):161–76
Responses of mechanoreceptive afferent units in the glabrous skin of the human hand to vibration. Lundström RJ. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):413–6
Physiological noise and its influence on vibrotactile perception thresholds. Piercy JE, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):417–9
Somatotopic organization of the third somatosensory area (SIII) in cats. Garraghty PE, et al. **Somatosens Res** 1987; 4(4):333–57
Consistent features of the representation of the hand in area 3b of macaque monkeys. Pons TP, et al. **Somatosens Res** 1987;4(4):309–31
Effect of mechanical stimulus spread across glabrous skin of raccoon and squirrel monkey hand on tactile primary afferent fiber discharge. Pubols BH Jr. **Somatosens Res** 1987;4(4):273–308
Relations between stimulus force, skin displacement, and discharge characteristics of slowly adapting type I cutaneous mechanoreceptors in glabrous skin of squirrel monkey hand. Pubols BH Jr, et al. **Somatosens Res** 1986; 4(2):111–25
Sensory innervation of the raccoon forepaw: 2. Response properties and classification of slowly adapting fibers. Rasmusson DD, et al. **Somatosens Res** 1986;4(1):63–75
[A pressor effect induced by distending the thoracic descending aorta in dogs] Zhang WY, et al. **Sheng Li Hsueh Pao** 1985 Dec;37(6):572–7 (Eng. Abstr.) **(Chi)**
[Anterior cruciate ligament reflex (LCA reflex)] Grüber J, et al. **Unfallchirurg** 1986 Dec;89(12):551–4 (Eng. Abstr.) **(Ger)**
[Receptors in the respiratory tract and their reflex effects] Arita H. **Kokyu To Junkan** 1986 Oct;34(10):1020–33 (51 ref.) **(Jpn)**
[Receptive relaxation of the canine stomach] Takanashi H, et al. **Nippon Heikatsukin Gakkai Zasshi** 1986 Apr; 22(2):53–61 (Eng. Abstr.) **(Jpn)**
[Cervico–vestibular interaction in the control of eye movements] Kobayashi Y. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Mar;90(3):404–11 (Eng. Abstr.) **(Jpn)**
[Inhibition of vasopressin secreting neurons of the paraventricular nucleus by gastric distension in rats] Ueta Y, et al. **Sangyo Ika Daigaku Zasshi** 1986 Dec 1;8(4):429–35 (Eng. Abstr.) **(Jpn)**
[Stretch receptors of the lungs in the frog Rana temporaria] Serbeniuk TsV, et al. **Zh Evol Biokhim Fiziol** 1986 Nov–Dec;22(6):548–54 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Pressure algometry over normal muscles. Standard values, validity and reproducibility of pressure threshold. Fischer AA. **Pain** 1987 Jul;30(1):115–26
Effects of hypercapnia on phrenic and stretch receptor responses to lung inflation. Mitchell GS, et al. **Respir Physiol** 1987 Jun;68(3):319–30
[Effect of catecholamines on the formation of vibration sensitivity] Mikulinskiĭ AM, et al. **Gig Sanit** 1986 Nov; (11):70–1 **(Rus)**
[Mechanoreceptor sensitivity in the mucosa of the respiratory tract and pleura in cats with carrageenan pleuritis] Giačová D, et al. **Bratisl Lek Listy** 1987 Jan;87(1):24–31 (Eng. Abstr.) **(Slo)**

ULTRASTRUCTURE

Electron microscopical localization of non–specific cholinesterase activity in three principal parts of cat Pacinian corpuscles. Dubový P. **Acta Histochem (Jena)** 1986;80(1):3–12
Pacinian corpuscles in rats with carbon disulphide neuropathy. Jirmanová I. **Acta Neuropathol (Berl)** 1987; 72(4):341–8
Degeneration and alteration of axons and intrafusal muscle fibers in spindles following tenotomy. Matsumoto DE, et al. **Exp Neurol** 1987 Sep;97(3):482–98
Modified smooth endoplasmic reticulum in type II cells of rabbit taste buds. Toyoshima K, et al. **J Submicrosc Cytol** 1987 Jan;19(1):85–92
An ultrastructural study of the marginal nucleus, the intrinsic mechanoreceptor of the snake's spinal cord. Schroeder DM. **Somatosens Res** 1986;4(2):127–40
The ultrastructure of Merkel corpuscles in the mucosa of the hard palate of rats. Watanabe IS, et al. **Z Mikrosk Anat Forsch** 1986;100(6):905–12

MECHLORETHAMINE

ADMINISTRATION & DOSAGE

Regional isolated limb perfusion of melanoma intransit metastases using mechlorethamine (nitrogen mustard). Shiu MH, et al. **J Clin Oncol** 1986 Dec;4(12):1819–26
[Local Caryolysine] Avril MF. **Ann Dermatol Venereol** 1987; 114(1):133–41 **(Fre)**

ANALYSIS

Proton magnetic resonance (PMR) spectroscopic determination of mechlorethamine hydrochloride for injection in commercial unit doses. Turczan J, et al. **Pharmazie** 1986 Nov;41(11):775–6

ANTAGONISTS & INHIBITORS

Protective effects of 2–[(aminopropyl)amino] ethanethiol against bleomycin and nitrogen mustard–induced mutagenicity in V79 cells. Nagy B, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1475–8

PHARMACODYNAMICS

Alkylating antitumor agents reduce histone acetyl–transferase activity. Grunicke H, et al. **Adv Enzyme Regul** 1986; 25:87–97
Cellular resistance to chloroethylnitrosoureas, nitrogen mustard, and cis–diamminedichloroplatinum(II) in human glial–derived cell lines. Aida T, et al. **Cancer Res** 1987 Mar 1;47(5):1361–6
The lack of effects of alkylating agents on mammalian cell membranes. Ankel EG, et al. **Int J Tissue React** 1986; 8(5):347–54
Glutathione S–transferases in nitrogen mustard–resistant and –sensitive cell lines. Buller AL, et al. **Mol Pharmacol** 1987 Jun;31(6):575–8
Mutagenesis and repair of DNA damage caused by nitrogen mustard, N,N'–bis(2–chloroethyl)–N–nitrosourea (BCNU), streptozotocin, and mitomycin C in E. coli. Fram RJ, et

al. **Mutat Res** 1986 Nov;166(3):299–42
Elevated topoisomerase II activity and altered chromatin in nitrogen mustard–resistant human cells. Tan KB, et al. **NCI Monogr** 1987;(4):95–8
Survival rates and properties of sickle cell anemia red cells treated with nitrogen mustard. Roth EF Jr, et al. **Prog Clin Biol Res** 1987;240:245–61
[Anticancer drug induced sister chromatid exchange and correlation to cell survival in human brain tumor cells] Aida T, et al. **No To Shinkei** 1987 Mar;39(3):235–41 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Glutathione and related enzymes in rat brain tumor cell resistance to 1,3–bis(2–chloroethyl)–1–nitrosourea and nitrogen mustard. Evans CG, et al. **Cancer Res** 1987 May 15;47(10):2525–30
Formation and removal of DNA cross–links induced by melphalan and nitrogen mustard in relation to drug–induced cytotoxicity in human melanoma cells. Hansson J, et al. **Cancer Res** 1987 May 15;47(10):2631–7

TOXICITY

Modulation of the cellular toxicity of nitrogen mustard in murine cells. Ritter C, et al. **Cancer Res** 1987 Jan 15; 47(2):472–6
The induction of aneuploidy by nitrogen mustard in a human lymphoblastoid cell line. Crespi CL, et al. **Mutat Res** 1987 Jan;190(1):69–76
Dominant lethal mutations induced in mouse spermatogonia by mechlorethamine, procarbazine and vincristine administered in 2–drug and 3–drug combinations. Goldstein LS. **Mutat Res** 1987 Jul–Aug;191(3–4):171–6
Effects of liquid holding by L–ethionine on the SCE frequency induced by nitrogen mustard in human lymphocyte cultures. Perticone P, et al. **Mutat Res** 1986 Nov;175(3):171–7

MECHLORETHAMINE OXIDE see **MECHLORETHAMINE**

MECILLINAM see **AMDINOCILLIN**

MECKEL'S DIVERTICULUM

[Meckel's diverticulum] Torner Gracia J, et al. **Rev Esp Enferm Apar Dig** 1987 Feb;71(2):139–43 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Calculi in a Meckel's diverticulum: a case report and a review. Donaldson WG. **Aust NZ J Surg** 1978 Dec; 48(6):644–6
Massive GI bleeding secondary to small bowel lesion: two case reports. Pejic R. **Indiana Med** 1986 Dec;79(12):1050–2
Concurrent ectopic pregnancy, Meckel's diverticulum with vitelline duct remnant, cecal volvulus, and congenital complete heart block: report of a case. Martin RH, et al. **J Am Osteopath Assoc** 1986 Sep;86(9):589–91
Leiomyoma in Meckel's diverticulum: CT and angiographic studies in one case. Swinnen E, et al. **J Belge Radiol** 1986; 69(5):355–7
Carcinoma in a Meckel's diverticulum: case report and literature review. Adams HW, et al. **J Miss State Med Assoc** 1987 Mar;28(3):59–61
Antenatal perforation of Meckel's diverticulum presenting as an inflamed hydrocele. Wright JE, et al. **J Pediatr Surg** 1986 Nov;21(11):989–90
[Simultaneous occurrence of a stone in an inflamed Meckel's diverticulum and gallstone ileus] Simonsen L, et al. **Ugeskr Laeger** 1987 Feb 23;149(9):601–2 (Eng. Abstr.) **(Dan)**
[Hemorrhagic Meckel's diverticulum. The place of abdominal scintigraphy with technetium 99m. Apropos of a case with gastric and pancreatic heterotopia] Solovei G, et al. **J Chir (Paris)** 1986 Oct;123(10):570–3 (Eng. Abstr.) **(Fre)**
[Diagnostic and therapeutic problems in lower digestive system hemorrhage in children] Büla C, et al. **Rev Med Suisse Romande** 1986 Sep;106(9):775–9 **(Fre)**
[A rare case of perforation of Meckel's diverticulum with bloody– stool peritonitis] Zanon A, et al. **Minerva Pediatr** 1986 Oct 31;38(20):945–8 (Eng. Abstr.) **(Ita)**
[Complications of Meckel's diverticulum] Funariu G, et al. **Rev Chir [Chir]** 1986 Sep–Oct;35(5):365–72 (Eng. Abstr.) **(Rum)**
[Leiomyosarcoma of Meckel's diverticulum] Khakimov SP, et al. **Klin Khir** 1987;(5):44 **(Rus)**
[Asymptomatic course of perforating Meckel's diverticulitis] Kazantsev VP, et al. **Voen Med Zh** 1987 Apr;(4):60 **(Rus)**
[Omphalocele, patent Meckel's diverticulum and trisomy 13] Zúñiga S, et al. **Rev Chil Pediatr** 1986 May–Jun;57(3):270–2 (Eng. Abstr.) **(Spa)**
[Intestinal obstruction in the adult] de Diego Rey P, et al. **Rev Clin Esp** 1987 Mar;180(4):214–5 **(Spa)**
[Coexistence of pathologic Meckel diverticulum and acute appendicitis in adults. Report of 6 cases] Colina Alonso A, et al. **Rev Esp Enferm Apar Dig** 1987 May;71(5):437–9 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Enteroliths in a Meckel's diverticulum mimicking gallstone ileus. Justus PG, et al. **J Fam Pract** 1987 Mar;24(3):299–300
Meckel's diverticulum in a femoral hernia: a Littre's hernia. Trupo FJ, et al. **South Med J** 1987 May;80(5):655–6
[Giant Meckel's diverticulum presenting as tumor] Bouin H, et al. **Arch Fr Pediatr** 1986 Oct;43(8):637–9 (Eng. Abstr.) **(Fre)**
[Diagnostic and therapeutic problems of lower digestive hemorrhage in children (letter)] Cuendet A. **Rev Med Suisse Romande** 1986 Nov;106(11):1067 **(Fre)**
[Intussusception of inverted Meckel's diverticulum: a case report] Saitoh O, et al. **Rinsho Hoshasen** 1987 Jan; 32(1):143–6 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Failure of H2 blocker therapy in a case of hemorrhage from a Meckel's diverticulum [letter] Manning RJ. **J Clin Gastroenterol** 1987 Apr;9(2):242

INJURIES

[2 cases of perforation of Meckel's diverticulum by foreign bodies] Kleba T, et al. **Wiad Lek** 1986 Nov 15;39(22):1556–8 (Eng. Abstr.) **(Pol)**

OCCURRENCE

[Incidence, course and surgical treatment of Meckel's diverticulum] Vasilev N, et al. **Khirurgiia (Sofiia)** 1986; 39(4):17–21 (Eng. Abstr.) **(Bul)**

PATHOLOGY

Carcinoid of Meckel's diverticulum. Report of two cases with perforation, in one with concomitant foreign body. Nordsten M, et al. **Acta Chir Scand** 1986 Aug–Sep; 152:551–3
Carcinoid syndrome from a tumor of Meckel's diverticulum [letter] Green M, et al. **Am J Med** 1987 Jul;83(1):184–6
Perforation of Meckel's diverticulum by foreign body. Stokes DW Jr, et al. **J SC Med Assoc** 1987 May;83(5):254–6

RADIOGRAPHY

[The secret of the pyramids ... or calcifications in Meckel's diverticulum] Desmonts F, et al. **J Radiol** 1987 Jun–Jul; 68(6–7):483–7 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

Ileal leiomyosarcoma and leiomyoma. False–positive scintiscans for Meckel's diverticulum. Dunn EK, et al. **Clin Nucl Med** 1987 Jun;12(6):440–4
Detection of small bowel leiomyosarcoma during a Meckel's scan. Moote D, et al. **Clin Nucl Med** 1987 Feb;12(2):152
False positive Meckel's scan caused by carcinoid tumors of the small bowel. Reddin A, et al. **Clin Nucl Med** 1987 Feb; 12(2):128–30
Rectal bleeding in a 4–month–old boy. Dutro JA, et al. **JAMA** 1986 Oct 24–31;256(16):2239–40
The pseudo–false positive Meckel's scan. Carr ME Jr. **NC Med J** 1987 Jan;48(1):18–20
The role of radionuclide imaging in the diagnosis of gastro–intestinal bleeding in children. Driscoll DM. **Radiography** 1986 Sep–Oct;52(605):237–9

SURGERY

Axial volvulus of Meckel's diverticulum: a rare cause of acute abdominal pain. Guss DA, et al. **Ann Emerg Med** 1987 Jul;16(7):811–2
Vitelline duct anomalies. Experience with 217 childhood cases. Vane DW, et al. **Arch Surg** 1987 May;122(5):542–7
[Leiomyosarcoma of Meckel's diverticulum. Apropos of a new case] Goëau–Brissonnière O, et al. **J Chir (Paris)** 1986 Oct;123(10):586–7 **(Fre)**
[When is a simultaneous operation of Meckel's diverticulum indicated: (always—never—or only in special circumstances?)] Amgwerd R. **Langenbecks Arch Chir** 1986;369:179–81 (Eng. Abstr.) **(Ger)**
[Acute phlegmonous inflammation of Meckel's diverticulum] Polstianoĭ VG, et al. **Klin Khir** 1987;(4):62 **(Rus)**

MECLIZINE

ADVERSE EFFECTS

Memory loss, confusion, and disorientation in an elderly woman taking meclizine. Molloy DW. **J Am Geriatr Soc** 1987 May;35(5):454–6

THERAPEUTIC USE

Plasmodium berghei–infected mice: lack of effect of meclizine and cimetidine on the development of pulmonary oedema. Martins MA, et al. **Ann Trop Med Parasitol** 1986 Oct; 80(5):491–9

MECLOFENAMIC ACID see under **ANTHRANILIC ACIDS**

MECLOZINE see **MECLIZINE**

MECONIUM

Influence of the legal imperative and medical guidelines on the incidence and management of the meconium–stained newborn. Sepkowitz S. **Am J Dis Child** 1987 Oct; 141(10):1124–7
Plasma atrial natriuretic peptide and spontaneous diuresis in sick neonates. Kojima T, et al. **Arch Dis Child** 1987 Jul; 62(7):667–70
Cytology of fetal ascites and antenatal diagnosis of meconium peritonitis. Shimokawa H, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec;12(4):513–6
Meconium aspiration—role of obstetric factors and suction. Benny PS, et al. **Aust NZ J Obstet Gynaecol** 1987 Feb; 27(1):36–9
Term abdominal pregnancy, meconium aspiration, and extracorporeal membrane oxygenation. Beck R, et al. **Clin Pediatr (Phila)** 1987 Apr;26(4):186–8
Ultrasound detection of antenatal meconium. Agarwal N, et al. **Gynecol Obstet Invest** 1987;23(1):67–9
Surfactant displacement by meconium free fatty acids: an alternative explanation for atelectasis in meconium aspiration syndrome. Clark DA, et al. **J Pediatr** 1987 May; 110(5):765–70
Bowel perforation with nonoperative treatment of meconium ileus. Ein SH, et al. **J Pediatr Surg** 1987 Feb;22(2):146–7
Meconium ileus: is a stoma necessary? Nguyen LT, et al. **J Pediatr Surg** 1986 Sep;21(9):766–8
Meconium plug syndrome [letter] **J Ultrasound Med** 1987 Jul;6(7):402–3
Meconium peritonitis masquerading as fetal hydrops. Dillard JP, et al. **J Ultrasound Med** 1987 Jan;6(1):49–51
CNS changes in the meconium aspiration syndrome. Miyata H, et al. **Kobe J Med Sci** 1986 Dec;32(6):179–95
A case of meconium peritonitis: the pathological findings. Tohya T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Nov;38(11):2078–80
The role of antepartum testing in the management of postterm pregnancies with heavy meconium in early labor. Bochner CJ, et al. **Obstet Gynecol** 1987 Jun;69(6):903–7
Meconium pleuritis: cytologic diagnosis in a neonate with perforated sigmoid colon and diaphragmatic hernia. Silverman JF, et al. **Pediatr Pathol** 1986;6(2–3):325–33
Disappearance of calcification in meconium peritonitis in a black African baby. Shija JK. **Pediatr Radiol** 1987;17(2):173
Meconium suctioning [letter] Beck R. **Pediatrics** 1987 Sep; 80(3):461
Suctioning meconium from the trachea: a new solution to an old problem. Eisner P. **Pediatrics** 1986 Oct;78(4):713
Hand–powered apparatus for aspiration of meconium from the airway. Pretlow RA. **Pediatrics** 1987 Apr;79(4):642–3
The time of passage of the first urine and stool by Nigerian neonates. Ogala WN, et al. **Trop Geogr Med** 1986 Dec; 38(4):415–7
[Prevention of the meconium aspiration syndrome in the newborn] Zhang YC. **Chung Hua Fu Chan Ko Tsa Chih** 1987 Jan;22(1):44–5, 63 (Eng. Abstr.) **(Chi)**
[Meconium peritonitis: description of 3 cases with abnormal prenatal ultrasound findings] Baeckert P, et al. **Helv Paediatr Acta** 1987 Mar;41(6):539–44 (Eng. Abstr.) **(Ger)**
[Cystic form of meconium peritonitis—a case report] Dock W, et al. **Rontgenblatter** 1987 Feb;40(2):55–6 (Eng. Abstr.) **(Ger)**
[Amniotic fluid stained with meconium as a risk factor in neonatal pathology] Giuffrè L, et al. **Minerva Pediatr** 1986 Dec 31;38(23–24):1129–32 (Eng. Abstr.) **(Ita)**

ANALYSIS

Complete 1H–n.m.r. assignments for two core–region oligosaccharides of human meconium glycoproteins, using 1D and 2D methods at 500 MHz. Feeney J, et al. **Carbohydr Res** 1986 Sep 1;152:63–72
The clinical significance of meconium stained liquor during the first stage of labour—a retrospective study of 114 patients admitted to Harare Maternity Hospital as compared to a control group. Kimble FW. **Cent Afr J Med** 1986 Apr;32(4):91–4
Spectrophotometric determination of meconium concentration in amniotic fluid [letter] Francoul J. **J Biomed Eng** 1987 Jul;9(3):285
[Neonatal screening for cystic fibrosis] Giunta A, et al. **Minerva Med** 1977 Jun 16;68(30):2123–8 **(Ita)**

DRUG EFFECTS

Meconium during labour—self–medication and other associations. Mitri F, et al. **S Afr Med J** 1987 Apr 4; 71(7):431–3

IMMUNOLOGY

Carcinoembryonic antigen (CEA) and two crossreacting antigens of 165 kD and 105 kD isolated from meconium exhibit identical amino terminal sequences. Siepen D, et al. **Biochem Biophys Res Commun** 1987 Aug 31; 147(1):212–8

METABOLISM

Excretion of cobalamin and haptocorrin in the meconium of cystic fibrosis, premature, and control neonates. Monin B, et al. **Am J Clin Nutr** 1987 May;45(5):981–7

Effects of alterations of zinc-to-phosphorus ratios and meconium content on group B Streptococcus growth in human amniotic fluid in vitro. Hoskins IA, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):770-3

PHYSIOLOGY

Serum indirect bilirubin levels and meconium passage in early fed normal newborns. Boyer DB, et al. **Nurs Res** 1987 May-Jun;36(3):174-8

MEDAZEPAM see under **BENZODIAZEPINE TRANQUILIZERS**

MEDEX see **PHYSICIANS' ASSISTANTS**

MEDIAN EMINENCE

[Effect of monoamines on ACTH secretion by dispersed perfused cells from the adenohypophysis of barcino chico duck (Anas flavirostris)] Castro MG, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(4):347-57 (Eng. Abstr.) **(Spa)**

ANALYSIS

Histamine-immunostaining in the rat median eminence: an unexpected form of cross-reactivity with LH-RH. Berkenbosch F, et al. **Brain Res** 1987 Mar 10;405(2):353-7

Effects of periventricular lesions on the release of somatostatin during perifusion. Kaler LW, et al. **Brain Res** 1986 Oct 29;386(1-2):175-82

Neurotensin in the rat median eminence: the possible sources of neurotensin-like fibers and varicosities in the external layer. Kiss A, et al. **Brain Res** 1987 Jul 21;416(1):129-35

Purification of FSH-releasing factor: its dissimilarity from LHRH of mammalian, avian, and piscian origin. Lumpkin MD, et al. **Brain Res Bull** 1987 Feb;18(2):175-8

Video-enhanced technique for detecting neurophysin, enkephalin, and somatostatin immunoreactivity in ultrathin sections of cat median eminence. Coulter HD, et al. **J Histochem Cytochem** 1986 Nov;34(11):1405-15

Localization of luteinizing hormone-releasing hormone (LHRH) neurons that project to the median eminence. Silverman AJ, et al. **J Neurosci** 1987 Aug;7(8):2312-9

The anterior periventricular hypothalamus is the site of somatostatin inhibition of its own release: an in vitro and immunocytochemical study. Epelbaum J, et al. **Neuroendocrinology** 1986;44(2):255-9

Characterization and modulation of corticotropin-releasing factor in the neurointermediate pituitary gland. Jeandel L, et al. **Neuroendocrinology** 1987 Feb;45(2):146-51

Distribution of neurotransmitter binding sites in the cat median eminence. Seybold VS, et al. **Neuroendocrinology** 1987 Jun;46(1):32-8

BLOOD SUPPLY

Three-dimensional reconstruction of median eminence microvascular modules. Hibbard LS, et al. **Comput Biol Med** 1986;16(6):411-21

CYTOLOGY

Immunohistochemical identification of somatostatin-containing neurons projecting to the median eminence of the rat. Ishikawa K, et al. **Endocrinology** 1987 Jul;121(1):94-7

Differential displacement of cells from the median eminence into the arcuate nucleus during puberty. Effects of melatonin administration. Marani E, et al. **Experientia** 1987 Mar 15;43(3):305-6

Thyroidectomy and central catecholamine neurons of the male rat. Evidence for the existence of an inhibitory dopaminergic mechanism in the external layer of the median eminence and for a facilitatory noradrenergic mechanism in the paraventricular hypothalamic nucleus regulating TSH secretion. Andersson K, et al. **Neuroendocrinology** 1987 Jan;45(1):14-27

DRUG EFFECTS

Amplification of prostaglandin E2 stimulation of luteinizing hormone-releasing hormone release from median eminence explants: a metal(II)-specific effect of chelated copper. Barnea A, et al. **Brain Res** 1986 Oct 1;384(1):101-5

Leukotrienes C4 and D4 stimulate the release of luteinizing hormone-releasing hormone from rat median eminence in vitro. Gerozissis K, et al. **Brain Res** 1987 Jul 21;416(1):54-8

Estrogen-dependent effects of norepinephrine on hypothalamic gonadotropin-releasing hormone release in the rabbit. Pau KY, et al. **Brain Res** 1986 Dec 3; 399(1):15-23

ENZYMOLOGY

Hormonal modulation of the quantity and in situ activity of tyrosine hydroxylase in neurites of the median eminence. Wang PS, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(24):9804-6

METABOLISM

Isolation of specific proteins affected by estradiol in the arcuate-median eminence of prepuberal female rats. Rodriguez-Sierra JF, et al. **Brain Res** 1986 Dec 10; 399(2):379-82

Characterization of in vitro dopamine synthesis in the median eminence of rats with haloperidol-induced hyperprolactinemia and bromocriptine-induced hypoprolactinemia. Arita J, et al. **Endocrinology** 1986 Oct; 119(4):1666-72

Rapid release of [3H]dopamine from median eminence and striatal synaptosomes. Gregerson KA, et al. **J Neurochem** 1987 Apr;48(4):1222-30

Colocalization of peptide histidine isoleucine amine and corticotropin-releasing factor immunoreactivity in neurons of the rat hypothalamus: a surprising artefact. Berkenbosch F, et al. **Neuroendocrinology** 1986;44(3):338-46

Copper stimulation of LHRH release from median eminence explants. II. A process dependent on chloride transport. Colombani-Vidal M, et al. **Neuroendocrinology** 1986; 44(3):276-82

Copper stimulation of LHRH release from median eminence explants. III. A process dependent on extracellular sodium. Colombani-Vidal M, et al. **Neuroendocrinology** 1986; 44(3):283-91

Delta sleep inducing peptide inhibits somatostatin release via a dopaminergic mechanism. Iyer KS, et al. **Neuroendocrinology** 1987 Jun;46(1):93-5

Effect of various hypothalamic deafferentations injuring different parts of the GnRH pathway on ovulation, GnRH content of the median eminence, and plasma LH and FSH levels. Köves K, et al. **Neuroendocrinology** 1986; 44(2):172-83

Effect of catechol estrogens on the preovulatory content of luteinizing hormone-releasing hormone in the median eminence of the rat. Okatani Y, et al. **Neuroendocrinology** 1986;44(2):190-4

The secretory activity of the tuberoinfundibular dopaminergic neurons is modulated by the thyroid status in the adult rat: consequence on prolactin secretion. Reymond MJ, et al. **Neuroendocrinology** 1987 Jun; 46(1):62-8

Vasopressin coexists in half of the corticotropin-releasing factor axons present in the external zone of the median eminence in normal rats. Whitnall MH, et al. **Neuroendocrinology** 1987 May;45(5):420-4

Ultrastructural demonstration of oxytocin and vasopressin release sites in the neural lobe and median eminence of the rat by tannic acid and immunogold methods. Buma P, et al. **Neurosci Lett** 1987 Feb 24;74(2):151-7

Evidence for basal and stress-induced release of corticotropin releasing factor in the push-pull cannulated median eminence of conscious free-moving rats. Ixart G, et al. **Neurosci Lett** 1987 Feb 10;74(1):85-9

Evidence for an inhibitory effect of the peptide galanin on dopamine release from the rat median eminence. Nordström O, et al. **Neurosci Lett** 1987 Jan 2;73(1):21-6

PATHOLOGY

Effect of chronic hyperprolactinemia on tuberoinfundibular dopaminergic neurons: histofluorescence in aged and in diethylstilbestrol-treated male rats. Phelps CJ, et al. **Brain Res** 1987 May 12;411(1):108-19

PHYSIOLOGY

Coexistence of classical transmitters and peptides with special reference to the arcuate nucleus--median eminence complex. Hökfelt T, et al. **Adv Biochem Psychopharmacol** 1987;43:21-34

Neurons in the paraventricular nucleus projecting to the median eminence: a study of their afferent connections from peripheral baroreceptors, and from the A1-catecholaminergic area in the ventrolateral medulla. Kannan H, et al. **Brain Res** 1987 Apr 21;409(2):358-63

Antidromic activation of rat dorsomedial hypothalamic neurons from locus coeruleus and median eminence. Shirokawa T, et al. **Brain Res Bull** 1987 Mar;18(3):291-5

Evidence that growth hormone-releasing factor stimulates somatostatin release in vitro via beta-endorphin. Aguila MC, et al. **Endocrinology** 1987 Jan;120(1):341-4

Evidence for a permanent decline in tuberoinfundibular dopaminergic neuronal function after chronic estrogen treatment is terminated in Fischer 344 rats. Gottschall PE, et al. **Neuroendocrinology** 1986;44(2):211-6

[Effect of hypothalamic lesions of the median eminence on the vagus-pressor response in rats] Zhang ZY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Apr; 8(2):143-5 (Eng. Abstr.) **(Chi)**

[Permeability of the csf-brain barrier in the median eminence of rats in the perinatal period] Ugriumov MV, et al. **Ontogenez** 1986 Nov-Dec;17(6):599-605 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Plasma catecholamines do not participate in pituitary-adrenal activation by immobilization stress in rats with transection of nerve fibers to the median eminence. Makara GB, et al. **Endocrinology** 1986 Oct;119(4):1757-62

SECRETION

Alpha-melanocyte stimulating hormone discloses a stimulatory effect of beta-endorphin on somatostatin release. Aguila MC, et al. **Brain Res** 1987 Aug 4; 417(1):127-30

Transmembrane signals mediating neural peptide secretion: role of protein kinase C activators and arachidonic acid metabolites in luteinizing hormone-releasing hormone secretion. Negro-Vilar A, et al. **Endocrinology** 1986 Dec; 119(6):2796-802

Serotonin induces gonadotrophin release through stimulation of LH-releasing hormone release from the median eminence. Vitale ML, et al. **J Endocrinol** 1986 Nov; 111(2):309-15

Endogenous dopamine release from tuberoinfundibular neurons: does calmodulin play any role? Di Renzo GF, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jul; 333(3):224-8

Copper stimulation of LHRH release from median eminence explants. I. A divalent metal specific process that does not require extracellular calcium. Colombani-Vidal M, et al. **Neuroendocrinology** 1986;43(6):664-9

Acute delta 9-tetrahydrocannabinol exposure: effects on hypothalamic-pituitary-testicular activity in mice. Dalterio S, et al. **Pharmacol Biochem Behav** 1987 Mar;26(3):533-7

Copper amplification of prostaglandin E2 stimulation of the release of luteinizing hormone-releasing hormone is a postreceptor event. Barnea A, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):580-4

ULTRASTRUCTURE

Vasopressin-containing and vasopressin-deficient subpopulations of corticotropin-releasing factor axons are differentially affected by adrenalectomy. Whitnall MH, et al. **Endocrinology** 1987 May;120(5):2180-2

Electron microscopic observations on giant vacuoles present in the median eminence of rats. Srebro Z. **Folia Biol (Krakow)** 1986;34(4):421-4

[Morphometric analysis of the formation of the external zone of the median eminence of the rat hypothalamus in the perinatal period] Ivanova IP, et al. **Ontogenez** 1987 Mar-Apr;18(2):128-33 (Eng. Abstr.) **(Rus)**

MEDIAN FOREBRAIN BUNDLE see under **NEURAL PATHWAYS**

MEDIAN NERVE

see related
CARPAL TUNNEL SYNDROME

Median nerve entrapment in elbow dislocation. A case report. Danielsson LG. **Acta Orthop Scand** 1986 Oct;57(5):450-2

Atypical EMG findings [letter] Wertsch JJ. **Arch Phys Med Rehabil** 1987 Sep;68(9):576

Focal conduction delay at the carpal tunnel and the cubital fossa in diabetic polyneuropathy. Baba M, et al. **Electromyogr Clin Neurophysiol** 1987 Mar;27(2):119-23

Experimental study of chronic nerve compression. Clinical implications. Mackinnon SE, et al. **Hand Clin** 1986 Nov; 2(4):639-50

Surgical correction of thumb with ulnar or ulnar median paralysis. Palande DD. **Indian J Lepr** 1986 Oct-Dec; 58(4):530-6

Pronator syndrome associated with a persistent median artery. A case report. Gainor BJ, et al. **J Bone Joint Surg [Am]** 1987 Feb;69(2):303-4

Isolated compression neuropathy of the palmar cutaneous branch of the median nerve. Buckmiller JF, et al. **J Hand Surg [Am]** 1987 Jan;12(1):97-9

Median nerve neuralgia caused by a fibrovascular band in the distal forearm. Holtzman RN, et al. **J Hand Surg [Am]** 1986 Nov;11(6):894-5

Median nerve compression at the wrist caused by a reversed palmaris longus muscle. Meyer FN, et al. **J Hand Surg [Am]** 1987 May;12(3):369-71

Median nerve compression secondary to bifid reversed palmaris longus. Schlafly B, et al. **J Hand Surg [Am]** 1987 May;12(3):371-3

Median nerve compression neuropathy by the lacertus fibrosus: report of three cases. Swiggett R, et al. **J Hand Surg [Am]** 1986 Sep;11(5):700-3

The disappearing needle. Arbel R, et al. **J Hand Surg [Br]** 1987 Feb;12(1):127-8

Traumatic rupture of median artery an unusual cause for acute median nerve compression. Faithfull DK, et al. **J Hand Surg [Br]** 1987 Jun;12(2):233-5

Synovial chondromatosis presenting with peripheral nerve compression--a report of two cases. Jones JR, et al. **J Hand Surg [Br]** 1987 Feb;12(1):25-7

Haemangioma of the median nerve associated with Raynaud's phenomenon. Prosser AJ, et al. **J Hand Surg [Br]** 1987 Jun;12(2):227-8

Median nerve entrapment after an unusual fracture dislocation of the elbow: a case report. Kietsiriroje N, et al. **J Med Assoc Thai** 1987 Apr;70(4):234-7

Repeater F waves: a comparison of sensitivity with sensory antidromic wrist-to-palm latency and distal motor latency in the diagnosis of carpal tunnel syndrome. Macleod WN. **Neurology** 1987 May;37(5):773-8

[Sub-epitrochlear apophysis. A source of median nerve compression. Review of the literature] Mimoun M, et al. **Ann Chir Main** 1986;5(4):332-4 (Eng. Abstr.) **(Fre)**

[Digital neurotrophic ulcerations after surgical intervention in neurinoma of the median nerve] Granier F, et al. **Ann Dermatol Venereol** 1986;113(8):687-9 **(Fre)**

[Anterior interosseous nerve syndrome. Electromyographic characteristics (2 cases) and review of the literature (62

cases)] Seror P.
Rev Electroencephalogr Neurophysiol Clin 1986 Jul; 16(2):153–63 (Eng. Abstr.) **(Fre)**

[2 cases of mucoid pseudocysts of the peripheral nerves] De Santis G, et al. **Chir Organi Mov** 1986 Apr–Jun; 71(2):159–63 (Eng. Abstr.) **(Ita)**

ABNORMALITIES

Enlarged median nerve of macrodactyly associated with carpal tunnel syndrome. Ganske JG. **Iowa Med** 1986 Aug; 76(8):364–5

Bifid median nerve with a double compartment within the transverse carpal canal. Amadio PC. **J Hand Surg [Am]** 1987 May;12(3):366–8

ANATOMY & HISTOLOGY

Anatomy of the thenar branch of the median nerve. Mumford J, et al. **J Hand Surg [Am]** 1987 May;12(3):361–5

An anatomical study of the palmar cutaneous branch of the median nerve. Bezerra AJ, et al. **Surg Radiol Anat** 1986; 8(3):183–8

[The study of the blood vessels and nerves of the flexor carpi radialis as a transplantation flap] Liu HC, et al.
Hua Hsi I Ko Ta Hsueh Hsueh Pao 1986 Mar;17(1):25–8 (Eng. Abstr.) **(Chi)**

[Anatomical variations of the thenar branch of the median nerve on the basis of 237 surgical findings] Kómár J, et al. **Orv Hetil** 1987 Jan 25;128(4):203–4 (Eng. Abstr.) **(Hun)**

CYTOLOGY

A method for determining the limits and the volume of a group of motoneurons in the spinal cord (the ulnar and the median nerve in the cat). Ruttkay-Nedecká E, et al. **Folia Morphol (Praha)** 1986;34(3):280–7

DRUG EFFECTS

Differential effects of isoflurane on human median nerve somatosensory evoked potentials. Samra SK, et al. **Anesthesiology** 1987 Jan;66(1):29–35

INJURIES

Median palmar digital neuropathy in a cheerleader. Shields RW Jr, et al. **Arch Phys Med Rehabil** 1986 Nov; 67(11):824–6

Tendon ruptures and median nerve damage after Hamas total wrist arthroplasty. Siemionow M, et al.
J Hand Surg [Am] 1987 May;12(3):374–7

An abnormality of nail growth associated with median nerve damage. Ross JK, et al. **J Hand Surg [Br]** 1987 Feb; 12(1):11–3

Patterns of reinnervation and motor unit recruitment in human hand muscles after complete ulnar and median nerve section and resuture. Thomas CK, et al.
J Neurol Neurosurg Psychiatry 1987 Mar;50(3):259–68

Neural involvement in fractures of the distal radius. Stark WA. **Orthopedics** 1987 Feb;10(2):333–5

Median nerve entrapment in an unreduced fracture–dislocation of the elbow: case report. Webb S, et al. **Papua New Guinea Med J** 1986 Jun;29(2):185–7

[Mistakes in the care of peripheral nerve injuries] Beneš V, et al. **Rozhl Chir** 1987 Mar;66(3):210–5 (Eng. Abstr.) **(Cze)**

[Tendino-nerve wounds of the anterior face of the wrist. Apropos of a series of 62 cases] Alnot JY, et al.
Rev Chir Orthop 1986;72 Suppl 2:126–31 **(Fre)**

[Differential treatment of post-traumatic carpal tunnel syndrome] Schabus R, et al.
Handchir Mikrochir Plast Chir 1987 Jul;19(4):217–20 (Eng. Abstr.) **(Ger)**

[Restoration of the opposition of the thumb by transfer of the musculus extensor indicis proprius tendon] Rupnik J, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1987; 30(1):52–8 (Eng. Abstr.) **(Hun)**

[Intraoperative and morphologic characteristics of injuries of the median and ulnar nerves in children] Danilov AA, et al. **Ortop Travmatol Protez** 1987 Feb;(2):15–8 (Eng. Abstr.) **(Rus)**

[Recovery of movement and sensation after suturing the median and ulnar nerves of children and adults] Govenko FS. **Zh Nevropatol Psikhiatr** 1987;87(6):917–9 (Eng. Abstr.) **(Rus)**

[Atypical method of suturing the median and ulnar nerves after extensive injuries] Kokin GS, et al.
Zh Vopr Neirokhir 1986 Sep–Oct;(5):52–4 **(Rus)**

PATHOLOGY

Fibrolipomatous hamartoma of the median nerve. Sondergaard G, et al. **J Hand Surg [Br]** 1987 Jun; 12(2):224–6

[A morphological study of the peri- and epineurium in the compression zone of the median nerve in carpal tunnel syndrome] Kühnel W, et al. **Acta Anat (Basel)** 1987; 129(2):81–91 (Eng. Abstr.) **(Ger)**

[Fibrolipoma of the median nerve. Its imaging by CT and NMR] Schmitt R, et al. **ROFO** 1987 Aug;147(2):216–8 **(Ger)**

PHYSIOLOGY

Distribution of evoked paraesthesiae and effectiveness of brachial plexus block. Smith BE. **Anaesthesia** 1986 Nov; 41(11):1112–5

Compound nerve action potentials from the median and ulnar nerves. Chassin SL, et al. **Arch Phys Med Rehabil** 1987 Jan;68(1):31–5

New criteria for sensory nerve conduction especially useful in diagnosing carpal tunnel syndrome. Di Benedetto M, et al. **Arch Phys Med Rehabil** 1986 Sep;67(9):586–9

Static magnetic field influence on human nerve function. Hong CZ. **Arch Phys Med Rehabil** 1987 Mar;68(3):162–4

Median and radial sensory latencies to digit I: normal values and usefulness in carpal tunnel syndrome [published erratum appears in Arch Phys Med Rehabil 1987 Jun;68(6):388] Johnson EW, et al.
Arch Phys Med Rehabil 1987 Mar;68(3):140–1

Conduction of the palmar cutaneous branch of the median nerve. Lum PB, et al. **Arch Phys Med Rehabil** 1986 Nov; 67(11):805–6

Temperature effect on antidromic and orthodromic sensory nerve action potential latency and amplitude. Tashjian EA, et al. **Arch Phys Med Rehabil** 1987 Sep;68(9):549–52

The relationship between median nerve somatosensory evoked potential latencies and age and growth parameters in young children. Bartel P, et al.
Electroencephalogr Clin Neurophysiol 1987 May;68(3):180–6

Modification of median nerve somatic evoked potentials by prior median nerve, peroneal nerve, and auditory stimulation. Greenwood PM, et al.
Electroencephalogr Clin Neurophysiol 1987 Jul; 68(4):295–302

Cerebral magnetic responses to stimulation of ulnar and median nerves. Huttunen J, et al.
Electroencephalogr Clin Neurophysiol 1987 Apr; 66(4):391–400

Clinical evidence supporting a subthalamic origin of the P15 wave of the somatosensory evoked potentials to median nerve stimulation. Momma F, et al.
Electroencephalogr Clin Neurophysiol 1987 Aug;67(2):134–9

Effects of ice on the amplitude of M wave in distal latency. Basgöze O, et al. **Electromyogr Clin Neurophysiol** 1986 Dec; 26(8):729–34

Antagonism by methysergide of neurogenic vasoconstriction in the dog forelimb. Jandhyala BS, et al. **Fed Proc** 1987 Feb;46(2):276–80

Neuromagnetic characterization of the cortical response to median nerve stimulation in the steady state paradigm. Narici L, et al. **Int J Neurosci** 1987 Feb;32(3–4):837–43

Cortical generators of somatosensory evoked potentials to median nerve stimulation. Dinner DS, et al. **Neurology** 1987 Jul;37(7):1141–5

Stationary waves recorded at the shoulder after median nerve stimulation. Frith RW, et al. **Neurology** 1986 Nov; 36(11):1458–64

Bipolar recording of short-latency somatosensory evoked potentials after median nerve stimulation. Kaji R, et al. **Neurology** 1987 Mar;37(3):410–8

Far-field recording of the junctional potential generated by median nerve volleys at the wrist. Kimura J, et al.
Neurology 1986 Nov;36(11):1451–7

Effects of electrically induced afferent input from limb nerves on the excitability of the human motor cortex. Deletis V, et al. **Neurosurgery** 1987 Jan;20(1):195–7

Effect of mechanical stimulus spread across glabrous skin of raccoon and squirrel monkey hand on tactile primary afferent fiber discharge. Pubols BH Jr. **Somatosens Res** 1987;4(4):273–308

Measurement of median sensory nerve conduction velocity in Koreans, using somatosensory evoked potential. Park ES, et al. **Yonsei Med J** 1986;27(3):227–33

[Effect of electrical needling the "neiguan" point on the promotion of the recovery of acute myocardial ischemia in cats: analysis of afferent pathways] Liu RT, et al.
Chen Tzu Yen Chiu 1986;11(3):229–33 **(Chi)**

[The effect of stimulus detection distance in the study of conduction of distal sensory nerve fibers of the median nerve] Clara H. **Acta Belg Med Phys** 1987 Jan–Mar; 10(1):19–22 **(Dut)**

[Experimental study on the origins of far-field SEP to median nerve stimulation in the cat] Suwa H, et al.
No To Shinkei 1986 Jul;38(7):631–7 (Eng. Abstr.) **(Jpn)**

[Cortical somatosensory evoked potential in man after stimulation of the median nerve. I. Normal data] Buranová D, et al. **Cesk Neurol Neurochir** 1986 Sep;49(5):304–14 (Eng. Abstr.) **(Slo)**

PHYSIOPATHOLOGY

Atypical electromyographic findings in pronator teres syndrome. Aiken BM, et al. **Arch Phys Med Rehabil** 1987 Mar;68(3):173–5

"Tethered" median nerve stress test in chronic carpal tunnel syndrome. LaBan MM, et al. **Arch Phys Med Rehabil** 1986 Nov;67(11):803–4

Effect of ischemia on peripheral nerve function in diabetes mellitus. Kuriya N, et al. **Diabetes Res Clin Pract** 1986 Sep–Oct;2(5):277–82

Comparison of median and radial nerve sensory latencies in the electrophysiological diagnosis of carpal tunnel syndrome. Carroll GJ.
Electroencephalogr Clin Neurophysiol 1987 Mar;68(2):101–6

Scalp-recorded short and middle latency peroneal somatosensory evoked potentials in normals: comparison with peroneal and median nerve SEPs in patients with unilateral hemispheric lesions. Molaie M.
Electroencephalogr Clin Neurophysiol 1987 Mar; 68(2):107–18

Martin-Grüber anastomosis: the explanation for late diagnosis of severe ulnar nerve lesions at the elbow. Van Tieghem J, et al. **Electromyogr Clin Neurophysiol** 1987 Feb; 27(1):13–8

Standardized distal motor latency of median nerve with reference to the effects of voluntary hyperventilation & cold pressor tests. Krishnamurthy N, et al.
Indian J Med Res 1986 Dec;84:621–5

The flexor carpi radialis H-reflex in polyneuropathy: relations to conduction velocities of the median nerve and the soleus H-reflex latency. Schimsheimer RJ, et al.
J Neurol Neurosurg Psychiatry 1987 Apr;50(4):447–52

Median and tibial somatosensory evoked potentials. Changes in short- and long-latency components in patients with lesions of the thalamus and thalamo-cortical radiations. Chu NS. **J Neurol Sci** 1986 Dec;76(2–3):199–219

The pronator teres syndrome. Clinical and electrophysiological features in six surgically verified cases. Gessini L, et al. **J Neurosurg Sci** 1987 Jan–Mar;31(1):1–5

Involvement of the peripheral sensory nervous system in human chronic Chagas disease. Sica RE, et al.
Medicina (B Aires) 1986;46(6):662–8

[Physiologic and pathologic values of indicators in the stimulation of motor fibers of the median nerve in the carpal tunnel syndrome] Kyral V. **Cesk Neurol Neurochir** 1986 Jul;49(4):210–6 (Eng. Abstr.) **(Cze)**

[Tinel's sign. A reappraisal of its use (letter)] Daras M, et al. **Presse Med** 1987 May 16;16(18):918 **(Fre)**

[Carpal tunnel syndrome. Value of a new diagnostic test (letter)] Seror P. **Presse Med** 1987 May 16;16(18):914 **(Fre)**

[Surgically treated carpal tunnel syndrome—clinical and electrophysiologic follow-up] Urbanski A, et al.
Aktuel Traumatol 1986 Aug;16(4):137–42 (Eng. Abstr.) **(Ger)**

[Cortical somatosensory evoked potentials following median and tibial nerve stimulation in multiple sclerosis; relation to sensory disorders and duration of the disease] Bräu H, et al. **EEG EMG** 1987 Jun;18(2):92–6 (Eng. Abstr.) **(Ger)**

[Cortical SEP of early and intermediate latency following stimulation of the median and tibial nerves in disseminated encephalomyelitis—relation to findings in cerebral nuclear magnetic resonance tomography] Bräu H, et al.
EEG EMG 1986 Dec;17(4):201–8 (Eng. Abstr.) **(Ger)**

[Clinical and electroneurographic results following surgery of carpal tunnel syndrome] Deutinger M, et al.
Handchir Mikrochir Plast Chir 1987 May;19(3):156–60 (Eng. Abstr.) **(Ger)**

[Changes in short latency SEPs (S-SEPs) to median nerve stimulation in brain dead patients] Takahashi H, et al.
No To Shinkei 1987 Jun;39(6):543–9 (Eng. Abstr.) **(Jpn)**

[Regeneration of peripheral nerves: electrophysiologic diagnosis] Klopčič-Spevak M. **Med Pregl** 1986; 39(7–8):323–6 (Eng. Abstr.) **(Ser)**

RADIOGRAPHY

Anatomical relations in the carpal tunnel: a computed tomographic study. Jessurun W, et al.
J Hand Surg [Br] 1987 Feb;12(1):64–7

SURGERY

Evolving concepts of median nerve decompression in the carpal tunnel. Heckler FR, et al. **Hand Clin** 1986 Nov; 2(4):723–36

Does the use of the operating microscope improve the results of peripheral nerve suture? Marsh D, et al.
J Bone Joint Surg [Br] 1987 Aug;69(4):625–30

Autogenous nerve pedicle graft in the forearm. Louis DS, et al. **J Hand Surg [Am]** 1986 Sep;11(5):703–6

Enhancement of neuromuscular recovery after nerve repair in primates. Badalamente MA, et al. **J Hand Surg [Br]** 1987 Jun;12(2):211–7

Lipofibroma of the median nerve: a report of two cases. Langa V, et al. **J Hand Surg [Br]** 1987 Jun;12(2):221–3

[Restoration of neural function after surgical treatment of inveterate injuries of the nerves of the upper extremity] Manikowski W. **Chir Narzadow Ruchu Ortop Pol** 1986; 51(2):139–46 (Eng. Abstr.) **(Pol)**

[Clinical assessment of the secondary epineural suture of the median and ulnar nerves from personal material] Wegrzyn J, et al. **Pol Tyg Lek** 1986 May 19;41(20):650–4 (Eng. Abstr.) **(Pol)**

TRANSPLANTATION

Median nerve as free tendon graft. Vastamäki M.
J Hand Surg [Br] 1987 Jun;12(2):187–8

MEDIASTINAL CYST

Asymptomatic bronchogenic cyst of the mediastinum. Jeffries JM 3d. **Postgrad Med** 1987 May 1;81(6):235–7, 240

COMPLICATIONS

Esophageal obstruction secondary to a mediastinal pancreatic

pseudocyst. Winton TL, et al. **Can J Surg** 1986 Sep; 29(5):376–7

[Gardner's syndrome and epidermoid cyst of the thymus] Delamarre J, et al. **Gastroenterol Clin Biol** 1987 May; 11(5):421–3 (Eng. Abstr.) **(Fre)**

CONGENITAL

[Pleural effusion with high amylase levels simulating pancreas disease in a patient with congenital mediastinal cyst] Machado MC, et al.
Rev Hosp Clin Fac Med Sao Paulo 1986 Nov–Dec; 41(6):286–8 (Eng. Abstr.) **(Por)**

DIAGNOSIS

Primary cysts and neoplasms of the mediastinum: recent changes in clinical presentation, methods of diagnosis, management, and results. Davis RD Jr, et al.
Ann Thorac Surg 1987 Sep;44(3):229–37

Mediastinal duplication cyst. Percutaneous aspiration and cystography for diagnosis and treatment. Zimmer WD, et al. **Chest** 1986 Nov;90(5):772–3

Pericardial cyst diagnosed by two-dimensional echocardiography and computed tomography in a newborn. Bini RM, et al. **Pediatr Cardiol** 1987;8(1):47–50

[The diagnosis of mediastinal bronchogenic cyst] Jiang XF, et al.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1986 Jun;9(3):150–1, 189 (Eng. Abstr.) **(Chi)**

[A case report of posterior mediastinal bronchial cyst] Kagotani K, et al. **Kyobu Geka** 1986 Nov;39(11):909–12 (Eng. Abstr.) **(Jpn)**

[Diagnosis and surgical treatment of tumors and cysts of the mediastinum] Dotsenko AP, et al. **Grudn Khir** 1987 May–Jun;(3):69–72 (Eng. Abstr.) **(Rus)**

[Bicameral cyst of the thymus gland] Egorov VI, et al. **Voen Med Zh** 1987 Feb;(2):71 **(Rus)**

[Diagnosis and treatment of benign tumors and cysts of the mediastinum] Avilova OM, et al. **Vopr Onkol** 1987; 33(5):75–8 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Benign thymic cyst following mantle radiotherapy for Hodgkin's disease. Veeze-Kuijpers B, et al. **Clin Radiol** 1987 May;38(3):289–90

Cavitation of anterior mediastinal masses in children with histiocytosis-X. Report of four cases with radiographic, pathologic findings and clinical follow up. Abramson SJ, et al. **Pediatr Radiol** 1987;17(1):10–4

[Mediastinal pseudocyst in hereditary pancreatitis] Giniès JL, et al. **Arch Fr Pediatr** 1986 Nov;43(9):709–10 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Percutaneous drainage of an infected mediastinal pseudocyst. Semelka RC, et al. **J Can Assoc Radiol** 1987 Mar;38(1):54–5

CT appearances of the normal and abnormal thymus in childhood. St. Amour TE, et al.
J Comput Assist Tomogr 1987 Jul–Aug;11(4):645–50

Mediastinal pancreatic pseudocyst presenting as dysphagia [letter] Serpell JW, et al. **Med J Aust** 1987 Jun 15; 146(12):653, 655–6

[Cystic lymphangioma of the mediastinum. Radiologic data apropos of 7 cases] Jahn C, et al. **J Radiol** 1987 Feb; 68(2):89–96 (Eng. Abstr.) **(Fre)**

[Roentgenologic appearance of a mediastinal bronchogenic cyst] Sasaki F, et al. **Rinsho Hoshasen** 1986 Jul;31(7):803–8 (Eng. Abstr.) **(Jpn)**

[Computed tomography in the diagnosis of mediastinal tumors and cysts] Luk'ianchenko AB, et al.
Vestn Rentgenol Radiol 1987 Mar–Apr;(2):53–9 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Neurenteric cyst diagnosed by technetium-99m pertechnetate sequential scintigraphy. Kropp J, et al. **J Nucl Med** 1987 Jul;28(7):1218–20

SURGERY

Resolution of a mediastinal cyst by transtracheal needle aspiration. Cohn JR, et al. **Pa Med** 1987 Mar;90(3):64, 66

[Cystic lymphangioma of the anterior mediastinum. Study of a case encompassing the right innominate vein] Devolfe C, et al. **Ann Chir** 1986 Nov;40(8):585–8 (Eng. Abstr.) **(Fre)**

MEDIASTINAL DISEASES

[Mediastino-pulmonary sarcoidosis in children] Baculard A. **Presse Med** 1987 May 30;16(20):982–4 **(Fre)**

COMPLICATIONS

Esophageal fistula complicating mediastinal histoplasmosis. Response to amphotericin B. Coss KC, et al.
Am J Med 1987 Aug;83(2):343–6

Interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture [letter] Milne EN, et al. **Radiology** 1987 Jul;164(1):286–7

[Mediastinal hematoma causing severe airway compression] Altieri HH, et al. **Medicina (B Aires)** 1987;47(1):71–4 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

A reassessment of hilar and mediastinal lymphadenopathy in patients with sarcoidosis. Woodring JH, et al.
J Ky Med Assoc 1986 Aug;84(8):402–6

Paramagnetic contrast media for magnetic resonance imaging of the mediastinum and lungs. Carr DH.
J Thorac Imaging 1985 Dec;1(1):74–8

Magnetic resonance imaging of the mediastinum, hila, and lungs. Webb WR. **J Thorac Imaging** 1985 Dec;1(1):65–73 (38 ref.)

Sonoendoscopic evaluation of extraesophageal and extragastric abnormalities: a review. Rifkin MD, et al.
Scand J Gastroenterol [Suppl] 1986;123:68–73

[Difficult diagnosis of a rapidly developing post-traumatic tumor of the thymus region. Encysted hematoma or intracystic hemorrhage?] Vergnon JM, et al.
Rev Pneumol Clin 1986;42(4):199–203 (Eng. Abstr.) **(Fre)**

[Neurenteric cyst of the mediastinum--case report and review of the literature] Köster B, et al. **Klin Padiatr** 1987 Jan–Feb;199(1):1–8 (Eng. Abstr.) **(Ger)**

[Nuclear magnetic resonance detection of a mediastinal bronchogenic cyst] König R, et al. **Radiologe** 1986 Oct; 26(10):464–6 (Eng. Abstr.) **(Ger)**

[Diagnosis of hilar and mediastinal lymphadenopathy by MRI] Tomimatsu H, et al. **Rinsho Hoshasen** 1986 Dec; 31(13):1549–52 (Eng. Abstr.) **(Jpn)**

[Segmental bronchoalveolar lavage with a flexible tube via a rigid bronchoscope in a case of mediastinopulmonary sarcoidosis] Faina AG, et al. **Rev Ig [Pneumoftiziol]** 1986 Jul–Sep;35(3):257–61 (Eng. Abstr.) **(Rum)**

[Use of fine-needle puncture biopsy controlled by computed tomography in diagnosing diseases of the lungs and mediastinum] Rabkin IKh, et al. **Grudn Khir** 1986 Nov–Dec;(6):56–60 (Eng. Abstr.) **(Rus)**

[Diagnostic parasternal mediastinotomy in the exploration of the mediastinum and lungs] Didenko VF, et al.
Klin Khir 1986;(10):34–5 (Eng. Abstr.) **(Rus)**

ECONOMICS

[Socioeconomic and medico-organizational aspects of the outpatient diagnosis of surgical pathology of the lungs and mediastinum] Kuzin MI, et al. **Sov Zdravookhr** 1986; (8):39–42 **(Rus)**

ETIOLOGY

Congenital aortic elongation: a rare cause of superior mediastinal widening. Moskowitz WB, et al.
Am Heart J 1986 Dec;112(6):1328–9

Acquired immune deficiency syndrome presenting as bone marrow and mediastinal cryptococcosis. Witt D, et al.
Am J Med 1987 Jan;82(1):149–50

Presternal soft tissue calcifications following mediastinal radiotherapy for Hodgkin's disease. Vainright JR, et al. **Chest** 1987 Jan;91(1):136–7

Hemomediastinum and hemothorax: a late complication of subclavian catheter insertion for hemodialysis [letter] Fabris A, et al. **Nephron** 1987;47(1):75–6

Interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture. Panicek DM, et al. **Radiology** 1987 Jan;162(1 Pt 1):165–6

[Mediastinal hemorrhage as a complication of retrograde brachial angiography] Ichikawa M, et al.
Nippon Geka Hokan 1986 Nov 1;55(6):783–8 (Eng. Abstr.) **(Jpn)**

[Compressive mediastinal syndrome secondary to symmetric multiple lipomatosis (letter)] López Aldeguer J, et al.
Med Clin (Barc) 1986 Nov 29;87(18):779–80 **(Spa)**

OCCURRENCE

[A case of hydatid cyst of the mediastinum in the Republic of Niger] Audoin J, et al. **Med Trop (Mars)** 1986 Oct–Dec; 46(4):401–4 (Eng. Abstr.) **(Fre)**

PATHOLOGY

The contribution of anterior mediastinotomy in the diagnosis and evaluation of diseases of the mediastinum and lung. Best LA, et al. **Ann Thorac Surg** 1987 Jan;43(1):78–81

Percutaneous fine-needle aspiration biopsy of the mediastinum. Weisbrod GL. **Clin Chest Med** 1987 Mar; 8(1):27–41

RADIOGRAPHY

Computed tomography (CT) of lung, mediastinum and pleura--current concepts. Nagendran T, et al. **Ala Med** 1987 Jun;56(12):38–41

An error of omission. Posterior mediastinal sarcoidosis [letter] Davis SD, et al. **Chest** 1987 Jun;91(6):933

CT evaluation of mediastinal infections. Carrol CL, et al.
J Comput Assist Tomogr 1987 May–Jun;11(3):449–54

Computed tomography of the aortopulmonary window: normal anatomy and pathology. Shin MS, et al.
J Comput Tomogr 1987 Apr;11(2):111–22

Mediastinal trauma and other acute mediastinal conditions. Tocino IM, et al. **J Thorac Imaging** 1987 Jan;2(1):79–100 (83 ref.)

[X-ray computed tomography in mediastinal lymph node tuberculosis. Apropos of 3 cases] Giron J, et al.
J Radiol 1987 May;68(5):349–52 (Eng. Abstr.) **(Fre)**

[Latero-tracheal adenopathies] Bart F, et al.
Rev Mal Respir 1987;4(3):145–6 **(Fre)**

[Computer tomography of the mediastinum, lung and thoracic wall] Gürtler KF. **Med Klin** 1986 May 16; 81(11):400–4 **(Ger)**

[Computerized tomography of the mediastinum--results of a retrospective study] von Knorre C, et al.
Z Gesamte Inn Med 1987 May 15;42(10):271–3 (Eng. Abstr.) **(Ger)**

[Reduction in transparency of the airway tracheogram, a sign of upper mediastinal pathology] Schiavon F, et al.
Radiol Med (Torino) 1987 Jun;73(6):510–7 (Eng. Abstr.) **(Ita)**

[Thoracic CT: the normal mediastinal CT image and its variations] Imai Y, et al. **Rinsho Hoshasen** 1986 Oct; 31(11):1185–200 (43 ref.) **(Jpn)**

[Thoracic CT: mediastinal lesions] Kono M, et al.
Rinsho Hoshasen 1986 Oct;31(11):1215–27 (30 ref.) **(Jpn)**

[Criteria of differential x-ray diagnosis of mediastinal masses] Nemiro EA. **Vestn Rentgenol Radiol** 1987 Mar–Apr; (2):47–53 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Progression of mediastinal tuberculosis and superior vena caval obstruction demonstrated by gallium-67 citrate and radiocolloid liver scintigraphy. Shih WJ, et al.
Clin Nucl Med 1986 Feb;11(2):126–8

SURGERY

Mediastinal localization of Castleman's disease. A case report with review of the literature. Montresor E, et al.
Ital J Surg Sci 1987;17(2):161–5

[Mediastinal pancreatic pseudocyst--treatment by cystojejunostomy] Stenzl W, et al. **Chirurg** 1987 Apr; 58(4):296–8 **(Ger)**

[Spontaneous cervico-mediastinal haematoma--report of a case] Togo T, et al. **Kyobu Geka** 1986 Sep;39(9):718–21 (Eng. Abstr.) **(Jpn)**

THERAPY

Catheter drainage of symptomatic postoperative mediastinal effusion guided by computed tomography. A nonoperative approach. Rousou JA, et al. **J Thorac Cardiovasc Surg** 1987 May;93(5):715–8

VETERINARY

Non-neoplastic surgical diseases of the lung and pleura. Walter PA. **Vet Clin North Am [Small Anim Pract]** 1987 Mar;17(2):359–85 (19 ref.)

MEDIASTINAL EMPHYSEMA

CHEMICALLY INDUCED

Pneumomediastinum from cocaine inhalation. Ponn RB, et al. **Conn Med** 1987 Jun;51(6):366–7

Spontaneous pneumomediastinum after cocaine inhalation. Barbera Mir JA, et al. **Respiration** 1986;50(3):230–2

COMPLICATIONS

Chest pain, shock, and pneumomediastinum in a previously healthy 56-year-old man [clinical conference] Uehara DT, et al. **Ann Emerg Med** 1987 Mar;16(3):359–64

Dysphonia: an unusual presentation of spontaneous pneumomediastinum. Walsh-Kelly C, et al.
Pediatr Emerg Care 1986 Mar;2(1):26–7

[Acute spontaneous pneumomediastinum in a patient with mitral valve prolapse. Two expressions of the same collagen anomaly?] Chesi G, et al. **Clin Ter** 1986 Aug 15; 118(3):213–8 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Pneumomediastinum in children [published erratum appears in Ir Med J 1986 Dec;79(12):336] McNicholl B, et al.
Ir Med J 1986 Oct;79(10):288–9

[Pneumomediastinum simulating acute myocardial infarction, after sternal puncture] Naschitz JE, et al. **Harefuah** 1987 Jan 1;112(1):13–4 (Eng. Abstr.) **(Heb)**

[Difficulties in the diagnosis of rare complications of foreign bodies of the respiratory tract] Iakusheva AA, et al.
Vestn Otorinolaringol 1987 Jan–Feb;(1):71–2 **(Rus)**

ETIOLOGY

Spontaneous pneumomediastinum in adult dermatomyositis. Bradley JD. **Ann Rheum Dis** 1986 Sep;45(9):780–2

Spontaneous cervical and mediastinal emphysema in asthma. Harley EH. **Arch Otolaryngol Head Neck Surg** 1987 Oct; 113(10):1111–2

Spontaneous pneumomediastinum in two stowaways [letter] D'Cruz DP. **Br Med J [Clin Res]** 1986 Sep 27;293(6550):818

Catamenial pneumomediastinum. Shahar J, et al. **Chest** 1986 Nov;90(5):776–7

Benign spontaneous pneumomediastinum. Gaikwad AV, et al. **Indian J Chest Dis Allied Sci** 1985 Oct–Dec;27(4):250–3

Extensive post-traumatic subcutaneous emphysema and pneumomediastinum following a minor facial injury. Lee HY, et al. **J Oral Maxillofac Surg** 1987 Sep;45(9):812–5

Pneumomediastinum associated with cocaine abuse: a case

report and review of the literature. Goldberg RE, et al. **J Thorac Imaging** 1987 Jul;2(3):88–9

Spontaneous mediastinal emphysema and cervical emphysema after smooth endotracheal anesthesia: a case report. Wong DS, et al. **Ma Tsui Hsueh Tsa Chi** 1985 Dec; 23(4):227–32

Spontaneous pneumomediastinum following inhalation of alkaloidal cocaine and emesis: case report and review. Hunter JG, et al. **Mt Sinai J Med (NY)** 1986 Jun; 53(6):491–3

Pneumomediastinum and subcutaneous emphysema following surgical extraction of mandibular third molars: three case reports. Horowitz I, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jan;63(1):25–8

Mediastinal emphysema following Le Fort I osteotomy: report of a case. Nannini V, et al. **Oral Surg Oral Med Oral Pathol** 1986 Nov;62(5):508–9

Pneumomediastinum, pneumothorax, and subcutaneous emphysema after alternate cocaine inhalation and marijuana smoking. Luque MA 3d, et al. **Pediatr Emerg Care** 1987 Jun;3(2):107–9

Spontaneous postpartum pneumomediastinum and pneumopericardium. Quigley RF, et al. **Scott Med J** 1987 Feb;32(1):27–8

[Recurrent subcutaneous and mediastinal emphysema] Keistinen T, et al. **Duodecim** 1986;102(14):961–4 **(Fin)**

[Acute emphysematous cholecystitis] Borbola G, et al. **Orv Hetil** 1987 Jan 25;128(4):207–8 (Eng. Abstr.) **(Hun)**

[Spontaneous pneumomediastinum in a young patient with acute lymphoblastic leukemia (letter)] Jarque I, et al. **Sangre (Barc)** 1986;31(6):772–3 **(Spa)**

PATHOLOGY

[Mediastinal emphysema in labor] Krivikhin VT, et al. **Sov Med** 1986;(8):119–20 **(Rus)**

RADIOGRAPHY

Isolated symptomatic spontaneous pneumo–mediastinum in a newborn. Sharma S, et al. **Indian Pediatr** 1986 Nov; 23(11):947–50

[Radiological case of the month. Pneumothymus in the neonate] Doz F, et al. **Arch Fr Pediatr** 1987 Apr;44(4):303–4 **(Fre)**

THERAPY

Systematic approach to pneumothorax, haemothorax, pneumomediastinum and subcutaneous emphysema. Mattox KL, et al. **Injury** 1986 Sep;17(5):309–12

MEDIASTINAL NEOPLASMS

[Primary mediastinal germ cell tumors in children (seminoma excluded). Apropos of 7 cases] Baldeyrou P, et al. **Ann Chir** 1986 Nov;40(8):578–82 (Eng. Abstr.) **(Fre)**

BLOOD

[Primary mediastinal germ cell tumor with marked elevation of HCG and alpha–fetoprotein] Nakagawa Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Mar;35(3):381–6 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

Ectopic parathyroid adenoma vascularized by the internal mammary artery [letter] Roblot P, et al. **Am J Med** 1987 Aug;83(2):382–3

CHEMICALLY INDUCED

Lymphoma in patients taking etretinate [letter] Woll PJ, et al. **Lancet** 1987 Sep 5;2(8558):563–4

[Hodgkin's disease following kidney transplantation with cyclosporin A] Görg K, et al. **Klin Wochenschr** 1986 Jul 15;64(14):663–5 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

The effects on gas exchange of a large mediastinal tumour. Fletcher R, et al. **Anaesthesia** 1986 Nov;41(11):1135–8

Anesthetic management of mediastinal masses—again [letter] Mackie A. **Anesth Analg** 1987 Jul;66(7):696

Direct laryngoscopy as an aid to relieve airway obstruction in a patient with a mediastinal mass. deSoto H. **Anesthesiology** 1987 Jul;67(1):116–7

Mediastinal teratoma associated with Klinefelter's syndrome. Lachman MF, et al. **Arch Pathol Lab Med** 1986 Nov; 110(11):1067–71

Dysphagia and cough in a patient with a posterior mediastinal mass. Yang R, et al. **Chest** 1987 Sep;92(3):529–30

Clitoromegaly and abdominal tumour as leading signs of a mediastinal non–Hodgkin lymphoma. Ludwig R, et al. **Eur J Pediatr** 1987 Jan;146(1):70–1

Pseudo–precocious puberty associated with mediastinal teratoma and polycystic ovary. Porcelli F, et al. **Helv Paediatr Acta** 1985 Apr;40(1):75–82

Mediastinal germ cell tumour associated with malignant histiocytosis and high rubella titres. Ashby MA, et al. **Hematol Oncol** 1986 Jul–Sep;4(3):183–94

Primary hyperparathyroidism due to mediastinal parathyroid adenoma. Nudelman IL, et al. **Int Surg** 1987 Apr–Jun; 72(2):104–8

Superior vena caval syndrome in primary mediastinal germ cell tumors. Holbert BL, et al. **J Can Assoc Radiol** 1986 Sep;37(3):182–3

Myasthenia gravis associated with T helper cell lymphoma. Bowen JD, et al. **Neurology** 1987 Aug;37(8):1405–8

Goitre and neurofibroma. Kreel L. **Postgrad Med J** 1986 Jun; 62(728):463–5

[Esophageal stenosis due to mediastinal carcinosis originating from the breast] Bodin F, et al. **Ann Chir** 1987 Feb; 41(1):19–22 (Eng. Abstr.) **(Fre)**

[Post–anesthesia respiratory distress caused by mediastinal lymphoblastic lymphoma. A new case (letter)] Delalande JP, et al. **Presse Med** 1987 Mar 7;16(8):400 **(Fre)**

[Thymoma and lupus: apropos of a case with recurrences and histological dedifferentiation] Fournel P, et al. **Rev Pneumol Clin** 1987;43(2):98–101 (Eng. Abstr.) **(Fre)**

[Hemodynamic cardiovascular effects caused by mediastinal tumors] Preusse CJ, et al. **Langenbecks Arch Chir** 1986; 369:149–52 (Eng. Abstr.) **(Ger)**

[Simultaneous occurrence of malignant thymoma and congenital adrenal hyperplasia] Révész T, et al. **Orv Hetil** 1987 Apr 12;128(15):793–5 (Eng. Abstr.) **(Hun)**

[A case report of mediastinal germinoma causing cardiac tamponade] Fukushima Y, et al. **Kyobu Geka** 1987 Feb; 40(3):210–2 (Eng. Abstr.) **(Jpn)**

[A case of mediastinal teratoma with intrapulmonary cyst] Iizasa T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Aug;34(8):1164–8 (Eng. Abstr.) **(Jpn)**

[Dermatomyositis associated with mediastinal germ cell tumor] Tsuchiya K, et al. **Rinsho Shinkeigaku** 1986 Oct; 26(10):1047–50 (Eng. Abstr.) **(Jpn)**

[Cervicomediastinal lymphangioma causing asphyxia] Galdanov FKh, et al. **Khirurgiia (Mosk)** 1986 Aug;(8):145–6 **(Rus)**

[Asymmetric crying facies and mediastinal teratoma. Apropos of a case] Núñez Núñez R, et al. **An Esp Pediatr** 1987 Feb;26(2):151–2 **(Spa)**

[A case of extreme ventilation–perfusion irregularity induced by primary mediastinal lymphoma] Martelli NA, et al. **Medicina (B Aires)** 1986;46(1):91–3 (Eng. Abstr.) **(Spa)**

[Association of a thoracic carcinoid tumor and hyperparathyroidism (letter)] Antolín Arias J, et al. **Rev Clin Esp** 1986 Nov;179(7):385 **(Spa)**

[Sudden death during anesthesia in a patient with a tumor of the mediastinum] Ruz Ortiz A, et al. **Rev Esp Anestesiol Reanim** 1986 Nov–Dec;33(6):443–5 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Magnetic resonance imaging for assessment of treatment effects in mediastinal Hodgkin's disease. Nyman R, et al. **Acta Radiol** 1987 Mar–Apr;28(2):145–51

False aneurysm of the aortic root: mimic of malignancy, mediator of myocardial ischemia. Rogers JG, et al. **Am Heart J** 1987 May;113(5):1237–9

Mediastinal hemangiomas. Cohen AJ, et al. **Ann Thorac Surg** 1987 Jun;43(6):656–9

Primary cysts and neoplasms of the mediastinum: recent changes in clinical presentation, methods of diagnosis, management, and results. Davis RD Jr, et al. **Ann Thorac Surg** 1987 Sep;44(3):229–37

Imaging mediastinal tumors. Stark P. **CA** 1987 Jul–Aug; 37(4):211–24 (20 ref.)

The reliability of fine–needle aspiration biopsy in the diagnosis of deep lesions of the lung and mediastinum: experience with 250 cases using a modified technique. Young GP, et al. **Diagn Cytopathol** 1987 Mar;3(1):1–7

Magnetic resonance imaging of the mediastinum. Poon PY, et al. **J Can Assoc Radiol** 1986 Sep;37(3):173–81

MR imaging of mediastinal thymolipoma. Shirkhoda A, et al. **J Comput Assist Tomogr** 1987 Mar–Apr;11(2):364–5

Echocardiographic diagnosis of cystic teratoma: report of a case. Sahasakul Y, et al. **J Med Assoc Thai** 1986 Dec; 69(12):687–90

Extragonadal germ cell tumor: the preoperative urological evaluation. Fuchs E, et al. **J Urol** 1987 May;137(5):993–5

Ultrasonography of mediastinal teratoma. Ikezoe J, et al. **JCU** 1986 Sep;14(7):513–20

Carcinoma–in–situ testis in patients with assumed extragonadal germ–cell tumours. Daugaard G, et al. **Lancet** 1987 Sep 5;2(8558):528–30

Diagnosis and treatment of intrapericardial teratoma. Aldousany AW, et al. **Pediatr Cardiol** 1987;8(1):51–3

Evaluation of the mediastinum by invasive techniques. Ginsberg RJ. **Surg Clin North Am** 1987 Oct;67(5):1025–35

[Extramedullary hematopoiesis imitating a tumor of the posterior mediastinum] Měřička O, et al. **Cas Lek Cesk** 1987 Apr 24;126(17):536–9 (Eng. Abstr.) **(Cze)**

[Mediastinal pseudotumors in cirrhosis. Diagnostic value of nuclear magnetic resonance in 3 cases] Guivarch P, et al. **Gastroenterol Clin Biol** 1987 Apr;11(4):333–7 (Eng. Abstr.) **(Fre)**

[MRI and tumors of the mediastinum. Correlation with CT x–ray] Le Bas JF, et al. **J Radiol** 1987 Feb;68(2):81–8 (Eng. Abstr.) **(Fre)**

[A rare tumor: primary seminoma of the mediastinum. Apropos of a case developing over 7 years (letter)] Uldry PA, et al. **Presse Med** 1986 Oct 18;15(36):1829 **(Fre)**

[Germ cell tumors of the mediastinum] Mégevand R, et al. **Rev Med Suisse Romande** 1986 Jul;106(7):633–8 **(Fre)**

[Primary mediastinal seminoma (apropos of 2 cases)] Sebastian A, et al. **Rev Pneumol Clin** 1987;43(1):54–7 (Eng. Abstr.) **(Fre)**

[Magnetic resonance tomographic diagnosis of mediastinal lymphoma] König H. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:157–66 (12 ref.) **(Ger)**

[Local recurrence of mediastinal non–Hodgkin lymphomas in childhood] Ludwig R, et al. **Klin Padiatr** 1987 Jan–Feb; 199(1):15–8 (Eng. Abstr.) **(Ger)**

[A case of mediastinal cavernous hemangioma] Kaneshiro A, et al. **Bull Chest Dis Res Inst Kyoto Univ** 1980 Mar; 13(1–2):74–80 (Eng. Abstr.) **(Jpn)**

[Primary mediastinal seminoma—report of 3 cases and review of the literature] Taira Y, et al. **Kyobu Geka** 1987 May; 40(6):455–61 (Eng. Abstr.) **(Jpn)**

[Multicentric occurrence of liposarcoma: report of a case and review of the literature] Kagawa K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jun;34(6):897–902 (Eng. Abstr.) **(Jpn)**

[Clinical MRI of disease. 3) Respiratory tract diseases. b. Mediastinal tumors] Kono M, et al. **Nippon Rinsho** 1987 Jan;45(1):139–44 **(Jpn)**

[Difficulties in establishing the final diagnosis of mediastinal tumor in a 9–year–old boy] Krasowska I, et al. **Pediatr Pol** 1986 Sep;61(9):593–7 **(Pol)**

[Diagnosis and surgical treatment of tumors and cysts of the mediastinum] Dotsenko AP, et al. **Grudn Khir** 1987 May–Jun;(3):69–72 (Eng. Abstr.) **(Rus)**

[Thoracoscopy in the differential diagnosis of mediastinal neoplasms] Ioffe LTs, et al. **Grudn Khir** 1986 Sep–Oct; (5):61–3 **(Rus)**

[Diagnosis and treatment of benign tumors and cysts of the mediastinum] Avilova OM, et al. **Vopr Onkol** 1987; 33(5):75–8 (Eng. Abstr.) **(Rus)**

[Tumors of germinal cells of the mediastinum. Presentation of 11 cases and review of the literature] Palacios J, et al. **Rev Clin Esp** 1987 Feb;180(3):125–31 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Late recurrence of a seminoma. Biester RJ, et al. **J Urol** 1987 Apr;137(4):749–50

[Continuous intravenous infusion therapy of cis–diamminedichloroplatinum (CDDP) in children with neuroblastoma] Kobayashi M, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(11):3283–6 **(Jpn)**

ETIOLOGY

Klinefelter's syndrome associated with mediastinal germ cell neoplasms. Nichols CR, et al. **J Clin Oncol** 1987 Aug; 5(8):1290–4

Carcinoma in a mediastinal fifth parathyroid gland. Kastan DJ, et al. **JAMA** 1987 Mar 6;257(9):1218–9

FAMILIAL & GENETIC

Mediastinal germ cell tumor in trisomy 8. Toyofuku T, et al. **Eur J Respir Dis** 1987 Apr;70(4):245–9

IMMUNOLOGY

The primary mediastinal clear cell lymphoma of B–cell type has variable defects in MHC antigen expression. Möller P, et al. **Immunology** 1986 Nov;59(3):411–7

[A case of extramedullary plasmacytoma of the mediastinum and the retroperitoneum, associated with production of IgG kappa–type M–protein] Inoue N, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2319–24 (Eng. Abstr.) **(Jpn)**

METABOLISM

Nonsecretory parathyroid carcinoma of the mediastinum. Light microscopic, immunocytochemical, and ultrastructural features of a case, and review of the literature. Murphy MN, et al. **Cancer** 1986 Dec 1; 58(11):2468–76

PATHOLOGY

Primary mediastinal embryonal carcinoma and choriocarcinoma. A case report. Sangalli G, et al. **Acta Cytol (Baltimore)** 1986 Sep–Oct;30(5):543–6

Polyarthritis and mediastinal adenopathy in a 60–year–old woman [clinical conference] **Am J Med** 1987 Aug; 83(2):283–90

Fine–needle aspiration biopsy of the mediastinum. Linder J, et al. **Am J Med** 1986 Dec;81(6):1005–8

The occurrence of sarcomatous components in primary mediastinal germ cell tumors. Manivel C, et al. **Am J Surg Pathol** 1986 Oct;10(10):711–7

Mediastinal lymphoma of clear cell type is a tumor corresponding to terminal steps of B cell differentiation. Möller P, et al. **Blood** 1987 Apr;69(4):1087–95

Thoracic needle biopsy. Improved results utilizing a team approach. Conces DJ Jr, et al. **Chest** 1987 Jun;91(6):813–6

Ultrasound–guided tissue–core biopsy of thoracic lesions with Trucut and Surecut needles. Pang JA, et al. **Chest** 1987 Jun;91(6):823–8

Large–cell lymphoma with diffuse sclerosis. A B–cell neoplasm of late–secretory, preplasma cells. Linden MD, et al. **Cleve Clin Q** 1986 Fall;53(3):319–22

Thymic hyperplasia masquerading as recurrent Hodgkin's disease: case report and review of the literature. Edington H, et al. **J Surg Oncol** 1986 Oct;33(2):120–3

Primary choriocarcinoma of mediastinum with

immunohistochemical study and review of the literature. Kathuria S, et al. **J Surg Oncol** 1987 Jan;34(1):39–42
Transthoracic needle biopsy of the hilum and mediastinum. Westcott JL. **J Thorac Imaging** 1987 Apr;2(2):41–8
Extramedullary plasmacytoma of the mediastinum. Niwa K, et al. **Jpn J Clin Oncol** 1987 Mar;17(1):95–100
Clinic and pathologic study of a case of inflammatory fibrous histiocytoma. Simu G, et al. **Morphol Embryol (Bucur)** 1986 Jul–Sep;32(3):201–4
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 17–1987. A 38–year–old woman with a history of radiation treatment for a malignant tumor in the right hemithorax and persistent chest pain and pleural abnormality. **N Engl J Med** 1987 Apr 23; 316(17):1075–83
Mediastinal tumours. Contribution of a case series. Onoscuri E, et al. **Panminerva Med** 1987 Jan–Mar;29(1):27–40
Primary large cell lymphomas of the mediastinum: an analysis of 20 cases. Waldron JA Jr, et al. **Semin Diagn Pathol** 1985 Nov;2(4):281–95
Carcinoid tumor arising in a treated primary germ cell tumor of the mediastinum. Warren JS, et al. **South Med J** 1987 Feb;80(2):259–61
Ultrasonically guided percutaneous mediastinal cytology and biopsy. Chen CR, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Jun;85(6):561–6
Evidence for neoplastic cell differentiation in mediastinal T lymphoblastic lymphoma. Ruco LP, et al. **Virchows Arch [A]** 1987;410(5):443–7
[Primary mediastinal localization of a neuroblastoma in a young man with leukemoid reaction] Marinov Kh, et al. **Vutr Boles** 1986;25(4):108–12 **(Bul)**
[Transthoracic needle biopsy of the lung] Yang DC. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Aug;9(4):197–9, 253 (Eng. Abstr.) **(Chi)**
[Cancer of the esophagus. Comparative evaluation of mediastinal extension by scanner and surgery] Rousset JF, et al. **Ann Chir** 1986 Jun;40(5):311–2 (Eng. Abstr.) **(Fre)**
[Mediastinal schwannoma containing calcosiderotic nodules] Ben Othman M, et al. **Arch Anat Cytol Pathol** 1987; 35(2):113–5 (Eng. Abstr.) **(Fre)**
[Primary germinal tumor of the mediastinum: study of a case evolving over 7 years] Uldry PA, et al. **Schweiz Med Wochenschr** 1986 Sep 27;116(39):1337–43 (Eng. Abstr.) **(Fre)**
[Value of noninvasive and intraoperative diagnosis of malignant mediastinal tumors] Dienemann H, et al. **Langenbecks Arch Chir** 1986;369:153–5 (Eng. Abstr.) **(Ger)**
[Case report of the problem of diagnosis and therapy of mediastinal tumors with anterior venous obstruction] Kob D, et al. **Z Erkr Atmungsorgane** 1986;167(3):273–8 (Eng. Abstr.) **(Ger)**
[Role of computerized tomography in thoraco–pulmonary needle aspiration] Belfiore G, et al. **Arch Monaldi** 1985 Sep–Dec;40(5–6):247–54 (Eng. Abstr.) **(Ita)**
[Teratoma of the mediastinum. Description of a case and review of the literature] Galietti F, et al. **Minerva Chir** 1987 Feb 28;42(4):317–21 (Eng. Abstr.) **(Ita)**
[Transbronchial needle aspiration of mediastinal masses during fiber–bronchoscopy] Galleri C, et al. **Radiol Med (Torino)** 1987 Mar;73(3):162–5 (Eng. Abstr.) **(Ita)**
[A case of double neoplasms—small cell carcinoma in the mediastinum and squamous cell carcinoma of the esophagus] Takeda S, et al. **Gan No Rinsho** 1987 Jul; 33(8):949–54 (Eng. Abstr.) **(Jpn)**
[Common ALL in childhood initially presented as superior vena cava syndrome by a superior mediastinal mass followed by generalized leukemia cutis in the terminal stage] Sugita K, et al. **Rinsho Ketsueki** 1987 Jan;28(1):70–5 (Eng. Abstr.) **(Jpn)**
[Neurosarcoma of the anterior mediastinum] Shipulin PP, et al. **Klin Khir** 1987;(5):50–1 **(Rus)**
[Mediastinal lipoma in a child] Milović I, et al. **Srp Arh Celok Lek** 1986 May–Jun;114(5–6):549–53 (Eng. Abstr.) **(Sce)**
[Mediastinal teratomas. A clinical and pathologic study of 3 pediatric cases] Palacios J, et al. **An Esp Pediatr** 1986 Nov;25(5):352–8 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Cardiac disease after mediastinal irradiation for seminoma. Lederman GS, et al. **Cancer** 1987 Aug 15;60(4):772–6
[Radiotherapy of seminoma: small–volume irradiation at the stage pT1N0M0—prophylactic irradiation of the mediastinum] Willich N, et al. **Strahlenther Onkol** 1986 Dec;162(12):735–41 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

The tumour. Jones M. **Can Med Assoc J** 1986 Oct 15; 135(8):912

RADIOGRAPHY

Mediastinal paraganglioma: radiologic evaluation of an unusual vascular tumor. Drucker EA, et al. **AJR** 1987 Mar; 148(3):521–2
Standard biplane roentgenography is highly sensitive in documenting mediastinal masses. Harris GJ, et al. **Ann Thorac Surg** 1987 Sep;44(3):238–41
CT evaluation of mediastinal masses. Rebner M, et al. **Comput Radiol** 1987 May–Jun;11(3):103–10
CT characteristics of expansions in the middle and posterior mediastinum. Salonen O. **Comput Radiol** 1987 Mar–Apr; 11(2):95–100
CT of intrathoracic neurogenic tumours. Ikezoe J, et al. **Eur J Radiol** 1986 Nov;6(4):266–9
Computed tomography of aggressive fibromatosis in the posterior mediastinum. Black WC, et al. **J Comput Assist Tomogr** 1987 Jan–Feb;11(1):153–5
CT evaluation of posterior mediastinal teratoma. Dobranowski J, et al. **J Comput Assist Tomogr** 1987 Jan–Feb;11(1):156–7
The variable nature of the mediastinal contour lines: CT/chest radiography correlation. Paling MR, et al. **J Comput Tomogr** 1987 Jul;11(3):254–60
Aberrant thymus: a misleading mediastinal mass. Malone PS, et al. **J Pediatr Surg** 1987 Feb;22(2):130–1
Asymptomatic anterior mediastinal mass. Jackson JG, et al. **J Tenn Med Assoc** 1987 Jan;80(1):31–2
Computed tomography of benign mature teratomas of the mediastinum. Brown LR, et al. **J Thorac Imaging** 1987 Apr; 2(2):66–71
Intrathoracic lymphangioma. Brown LR, et al. **Mayo Clin Proc** 1986 Nov;61(11):882–92
Thymus in the superior mediastinum simulating adenopathy: appearance on CT. Cory DA, et al. **Radiology** 1987 Feb; 162(2):457–9
Computed tomography of mediastinal cavernous hemangioma: a case report. Semisa M, et al. **Rays** 1986 Jan–Apr;11(1):31–3
[Cystic lymphangioma of the mediastinum. Radiologic data apropos of 7 cases] Jahn C, et al. **J Radiol** 1987 Feb; 68(2):89–96 (Eng. Abstr.) **(Fre)**
[Mediastinal lymph nodes in the computerized tomography picture of lung cancer] Brzecka A, et al. **Pneumonol Pol** 1986 Nov;54(11):497–503 (Eng. Abstr.) **(Pol)**
[Value of computerized tomography in the diagnosis of tumors of the antero–superior mediastinum] Busz M, et al. **Pol Przegl Radiol (Warszawa)** 1986 Jul–Aug;50(4):193–6 (Eng. Abstr.) **(Pol)**
[Possibilities of detecting metastases to mediastinal lymph nodes in lung cancer] Feofilov GL, et al. **Grudn Khir** 1987 Mar–Apr;(2):65–9 (Eng. Abstr.) **(Rus)**
[Computed tomography in the diagnosis of mediastinal tumors and cysts] Luk'ianchenko AB, et al. **Vestn Rentgenol Radiol** 1987 Mar–Apr;(2):53–9 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Tumor imaging with carbon–11 labeled alpha–aminoisobutyric acid (AIB) in a patient with advanced malignant melanoma. Conti PS, et al. **Eur J Nucl Med** 1986;12(7):353–6
Hodgkin's disease with hypercalcemia detected by thallium–201 scintigraphy. Linde R, et al. **J Nucl Med** 1987 Jan;28(1):112–5
Thallium 201/99mTc parathyroid subtraction scintigraphy of the mediastinum. Winzelberg GG. **Semin Nucl Med** 1987 Jul;17(3):278–9
[Adenoma of the middle mediastinum clearly visible at scintigraphy (letter)] Dubost C, et al. **Presse Med** 1987 Feb 7;16(4):176 **(Fre)**

RADIOTHERAPY

Primary malignant mediastinal germ–cell tumors and the contribution of radiotherapy: a southeastern multi–institutional study. Kersh CR, et al. **Am J Clin Oncol** 1987 Aug;10(4):302–6
Left main coronary artery stenosis following mediastinal irradiation. Radwaner BA, et al. **Am J Med** 1987 May; 82(5):1017–20
The effect of the respiratory cycle on mediastinal and lung dimensions in Hodgkin's disease. Implications for radiotherapy gated to respiration. Willett CG, et al. **Cancer** 1987 Sep 15;60(6):1232–7
[Anterior wall infarct in an 18–year–old patient with Hodgkin's disease. Possible relation between mediastinal irradiation, accelerated arteriosclerosis and vincristine chemotherapy] Voelker W, et al. **Dtsch Med Wochenschr** 1987 Jul 31;112(31–32):1216–9 (Eng. Abstr.) **(Ger)**
[Enzyme changes during and after radiation treatment of the mediastinum. II. Changes in serum activity of aspartate aminotransferase and alanine aminotransferase] Alheit HD, et al. **Radiobiol Radiother (Berl)** 1986;27(3):321–30 (Eng. Abstr.) **(Ger)**
[Post–radiation carditis in a patient treated for teratocarcinoma of the mediastinum] Osiadacz W. **Nowotwory** 1986 Oct–Dec;36(4):320–4 (Eng. Abstr.) **(Pol)**
[Postradiation pericarditis in lymphogranulomatosis patients] Shkhvatsabaia LV, et al. **Kardiologiia** 1986 Dec; 26(12):28–32 (Eng. Abstr.) **(Rus)**

SECONDARY

CT evaluation of mediastinal lymph nodes in lung cancer: influence of the lobar site of the primary neoplasm. Platt JF, et al. **AJR** 1987 Oct;149(4):683–6
Intrathoracic manifestations of metastatic testicular seminoma: a comparison of chest radiographic and CT findings. Williams MP, et al. **AJR** 1987 Sep;149(3):473–5
Mediastinal lymph node metastases from gastrointestinal carcinoma. Libson E, et al. **Cancer** 1987 Apr 15; 59(8):1490–3
Extraneural metastasis of a pineal tumor. Report of 3 cases and review of the literature. Lesoin F, et al. **Eur Neurol** 1987;27(1):55–61
Carcinoma of lung with mediastinal metastasis. Araoz CA, et al. **J Arkansas Med Soc** 1986 Sep;83(4):184–5
Computed tomography for the evaluation of intrathoracic invasion by lung cancer. Rendina EA, et al. **J Thorac Cardiovasc Surg** 1987 Jul;94(1):57–63
Thymic enlargement following treatment for a metastatic germ cell tumor: a case report. Tobisu K, et al. **J Urol** 1987 Mar;137(3):520–1
Mediastinal imaging in lung cancer. Milroy R, et al. **Q J Med** 1986 Jul;60(231):715–23
Mediastinal lymph node metastases from bronchogenic carcinoma: detection with MR imaging and CT. Poon PY, et al. **Radiology** 1987 Mar;162(3):651–6
Metastatic spread of malignant pleural mesothelioma. Bindi M, et al. **Rays** 1985 May–Aug;10(2):131–6
[Total transthoracic extirpation of intraspinal neurinomas expanding into the postmediastinum] Zhang CG, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Aug;24(8):496–7, 511 (Eng. Abstr.) **(Chi)**
[Value of computed tomography in the diagnosis of the intrathoracic extension of bronchial cancer] Aguilaniu B, et al. **Rev Mal Respir** 1986;3(5):247–51 (Eng. Abstr.) **(Fre)**
[Mediastinal metastases of extrathoracic tumors—important findings in mediastinoscopy] Heinemann M, et al. **Chirurg** 1986 Sep;57(9):560–4 (Eng. Abstr.) **(Ger)**
[Mediastinal involvement in cancers of the subglottis, hypopharynx and cervical esophagus] Lamprecht J, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Feb;66(2):88–90 (Eng. Abstr.) **(Ger)**
[Mediastinal metastasis in osteogenic sarcoma. X–ray and nuclear medicine follow–up] Naegele M, et al. **ROFO** 1987 May;146(5):598–9 **(Ger)**
[Macroscopic analysis of mediastinal lymph node metastasis in lung cancer] Mitani N, et al. **Kyobu Geka** 1986 Nov; 39(11):869–73 (Eng. Abstr.) **(Jpn)**
[An operative case of mediastinal metastasis of primary pleural melanoma] Takeda S, et al. **Kyobu Geka** 1987 Jun; 40(7):577–9 (Eng. Abstr.) **(Jpn)**
[Metastases of medulloblastoma beyond the nervous system through a cerebrospinal fluid shunt: discussion with report of a case] Wacławik AJ, et al. **Neurol Neurochir Pol** 1986 Mar–Apr;20(2):147–51 **(Pol)**

SURGERY

Spontaneous respiration during thoracotomy in a patient with a mediastinal mass. Sibert KS, et al. **Anesth Analg** 1987 Sep;66(9):904–7
Replacement of the superior vena cava with polytetrafluoroethylene grafts combined with resection of mediastinal–pulmonary malignant tumors. Report of thirteen cases. Dartevelle P, et al. **J Thorac Cardiovasc Surg** 1987 Sep;94(3):361–6
Primary liposarcoma of the mediastinum—a case report and review of the literature. Shibata K, et al. **Jpn J Surg** 1986 Jul;16(4):277–83
Results of surgical treatment of stage III lung cancer invading the mediastinum. Burt ME, et al. **Surg Clin North Am** 1987 Oct;67(5):987–1000
[Diagnosis and surgical treatment of 109 patients with mediastinal teratoid tumors] Yan JS, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Nov;24(11):672–3, 700 (Eng. Abstr.) **(Chi)**
[Mediastinal hyperparathyroidism: report of 4 cases] Zhu Y, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Sep;24(9):514–7, 572 (Eng. Abstr.) **(Chi)**
[Cystic lymphangioma of the anterior mediastinum. Study of a case encompassing the right innominate vein] Devolfe C, et al. **Ann Chir** 1986 Nov;40(8):585–8 (Eng. Abstr.) **(Fre)**
[Lipoma of the central mediastinum (letter)] Gossot D, et al. **Presse Med** 1986 Sep 27;15(32):1640 **(Fre)**
[Benign mediastinal hemangiomas] Saada J, et al. **Rev Mal Respir** 1987;4(3):141–3 (Eng. Abstr.) **(Fre)**
[Tumors of the anterior mediastinum—surgical treatment and prognosis] Engel U, et al. **Chirurg** 1987 May;58(5):341–3 (Eng. Abstr.) **(Ger)**
[Indications for surgery of mediastinal tumors] Hoffmeister HE. **Langenbecks Arch Chir** 1986;369:145–8 (Eng. Abstr.) **(Ger)**
[Successful removal of mediastinal tumors that were inoperable at the first intervention] Tóth T, et al. **Zentralbl Chir** 1987;112(3):153–6 (Eng. Abstr.) **(Ger)**
[Diagnosis and therapy of mediastinal tumors in children] Wit J, et al. **Zentralbl Chir** 1987;112(3):145–52 (Eng. Abstr.) **(Ger)**
[Case report of a malignant chemodectoma of the lower anterior mediastinum] Wojczik H, et al. **Zentralbl Chir** 1987;112(10):642–6 **(Ger)**
[A successful surgical treatment of a giant primary mediastinal sarcoma] Sakakibara N, et al. **Kyobu Geka** 1986 Jul;39(7):569–72 (Eng. Abstr.) **(Jpn)**
[A case of mediastinal hemangioma] Shimada Y, et al. **Kyobu Geka** 1987 Jan;40(1):61–4 (Eng. Abstr.) **(Jpn)**
[Supra–clavicular approach in tumors located in the superior

mediastinum] Ohara T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Jan;35(1):49–53 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of mediastinal tumors. Comments on 140 cases operated on] Finichiu DG, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr–Jun;90(2):373–7 (Eng. Abstr.) **(Rum)**

[Combined operation to remove a thoraco–intravertebral neurinoma of the hourglass type] Davydov MI, et al. **Grudn Khir** 1987 Jan–Feb;(1):83–4 **(Rus)**

[Description of a treatment technic using a CO2 laser in a lymphangioma of the upper aerodigestive tract] Videgain Salaverria G, et al. **An Otorrinolaringol Ibero Am** 1987; 14(2):145–52 (Eng. Abstr.) **(Spa)**

[Anesthesia management in tumors of the anterior mediastinum. Apropos of a case] Aguado Gil E, et al. **Rev Esp Anestesiol Reanim** 1986 Jul–Aug;33(4):268–70 (Eng. Abstr.) **(Spa)**

THERAPY

Observations on the treatment of mediastinal masses in Hodgkin's disease emphasizing site of failure. Ryoo MC, et al. **Am J Clin Oncol** 1987 Jun;10(3):185–93

Management of mediastinal tumors [editorial] Trastek VF. **Ann Thorac Surg** 1987 Sep;44(3):227–8

Mediastinal carcinoid tumour: pre–operative arterial embolisation. Hughes CF. **Aust NZ J Med** 1986 Dec; 16(6):808–10

Regression of mediastinal Hodgkin disease after therapy: evaluation of time interval. North LB, et al. **Radiology** 1987 Sep;164(3):599–602

[Diagnosis and treatment of neuroblastoma in children—analysis of 98 patients] Jin BX. **Chung Hua Chung Liu Tsa Chih** 1986 Mar;8(2):118–21 (Eng. Abstr.) **(Chi)**

[Malignant germ cell tumors in the mediastinum] Miyake M, et al. **Nippon Geka Gakkai Zasshi** 1987 Mar;88(3):340–8 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Granular cell myoma and schwannoma: fine structural and immunohistochemical study. Abenoza P, et al. **Ultrastruct Pathol** 1987;11(1):19–28

VETERINARY

Neoplastic diseases of the thorax. Bell FW. **Vet Clin North Am [Small Anim Pract]** 1987 Mar; 17(2):387–409 (91 ref.)

Mediastinal ganglioneuroma in a puppy. Hawkins KL, et al. **Vet Pathol** 1987 May;24(3):283–5

MEDIASTINITIS

COMPLICATIONS

Magnetic resonance imaging of spiral vein graft bypass of superior vena cava in fibrosing mediastinitis. Levitt RG, et al. **Chest** 1986 Nov;90(5):676–80

DIAGNOSIS

Retroperitoneal fibrosis and sclerosing mediastinitis. Fenner MN, et al. **Indiana Med** 1987 Apr;80(4):334–8

Computed tomography findings in tuberculous mediastinitis. Mendelson DS, et al. **J Comput Tomogr** 1987 Apr; 11(2):123–7

[So–called fibrous mediastinitis] Cerrina J, et al. **Chirurgie** 1986;112(5):367–78 (Eng. Abstr.) **(Fre)**

[Diagnosis and treatment of suppurative mediastinitis] Egiazarian VT, et al. **Vestn Khir** 1986 Oct;137(10):10–3 (Eng. Abstr.) **(Rus)**

[Difficulties in the diagnosis of rare complications of foreign bodies of the respiratory tract] Iakusheva AA, et al. **Vestn Otorinolaringol** 1987 Jan–Feb;(1):71–2 **(Rus)**

ETIOLOGY

Fatal necrotizing mediastinitis as a complication of an odontogenic infection. Rubin MM, et al. **J Oral Maxillofac Surg** 1987 Jun;45(6):529–33

Mediastinal infection following open–heart surgery. Treatment with retrosternal irrigation. Verkkala K, et al. **Scand J Thorac Cardiovasc Surg** 1986;20(3):203–7

[Chest wall infections after surgery with extracorporeal circulation. Reflections on the therapeutic modalities (curative and preventive), apropos of 4,835 consecutive operations] Leguerrier A, et al. **Ann Chir** 1986 Nov; 40(8):540–7 (Eng. Abstr.) **(Fre)**

[Mediastinitis following dental infection: report of 2 cases] Esgaib AS, et al. **Rev Paul Med** 1986 Sep–Oct;104(5):283–5 (Eng. Abstr.) **(Por)**

[Surgical treatment of complications of median sternotomies (review of the literature)] Kolesnikova NI. **Khirurgiia (Mosk)** 1986 Dec;(12):126–30 (20 ref.) **(Rus)**

[Odontogenic mediastinitis] Vagner EA, et al. **Vestn Khir** 1986 Sep;137(9):14–8 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Major sternal wound infection after open–heart surgery: a multivariate analysis of risk factors in 2,579 consecutive operative procedures. Ottino G, et al. **Ann Thorac Surg** 1987 Aug;44(2):173–9

RADIOGRAPHY

[X–ray computed tomography in the course of mediastinitis after sternostomy for heart surgery] Hélénon O, et al. **J Radiol** 1987 Apr;68(4):237–45 (Eng. Abstr.) **(Fre)**

THERAPY

Role of transoral irrigation in mediastinitis due to hypopharyngeal perforation. Santos GH, et al. **Head Neck Surg** 1986 Nov–Dec;9(2):116–21

Transposition of the greater omentum for management of mediastinal infection following orthotopic heart transplantation: a case report. Frimpong–Boateng K, et al. **J Heart Transplant** 1986 Jul–Aug;5(4):330–1

Treatment of mediastinitis after heart transplantation. Miller R, et al. **J Heart Transplant** 1986 Nov–Dec;5(6):477–9

Poststernotomy mediastinitis treated by omental transfer without postoperative irrigation or drainage. Heath BJ, et al. **J Thorac Cardiovasc Surg** 1987 Sep;94(3):355–60

MEDIASTINOSCOPY

Comparative studies of computerized tomography and mediastinoscopy for the staging of bronchogenic carcinoma. Rhoads AC, et al. **Am J Surg** 1986 Dec; 152(6):587–91

Role of mediastinoscopy in lung cancer [letter] Rubinstein I, et al. **Ann Thorac Surg** 1986 Nov;42(5):601

Mediastinoscopy and bronchoscopy in carcinoma of the oesophagus. Hewitson RP. **S Afr Med J** 1987 Mar 21; Suppl:23–4

[Mediastinal metastases of extrathoracic tumors—important findings in mediastinoscopy] Heinemann M, et al. **Chirurg** 1986 Sep;57(9):560–4 (Eng. Abstr.) **(Ger)**

[Mediastinoscopy in determining the operability of patients with lung cancer] Lukomskii GI, et al. **Grudn Khir** 1987 Jul–Aug;(4):46–9 (Eng. Abstr.) **(Rus)**

METHODS

Mediastinoscopy. Trastek VF, et al. **Br Med Bull** 1986 Jul; 42(3):240–3 (26 ref.)

Evaluation of the mediastinum by invasive techniques. Ginsberg RJ. **Surg Clin North Am** 1987 Oct;67(5):1025–35

MEDIASTINUM

see related
PNEUMOMEDIASTINUM, DIAGNOSTIC

The effect of chest tube manipulation on mediastinal drainage. Isaacson JJ, et al. **Heart Lung** 1986 Nov; 15(6):601–5

CT findings in mediastinal extravasation of hyperalimentation fluid. Cobb RJ, et al. **J Comput Assist Tomogr** 1987 Jan–Feb;11(1):158–9

[Mediastinal dislocation accentuated by initiation of pleural drainage] Bloch AV, et al. **Ugeskr Laeger** 1986 Sep 8; 148(37):2355–6 (Eng. Abstr.) **(Dan)**

[Mediastinal infusion by a multilumen central venous catheter] Turetta F, et al. **Ann Fr Anesth Reanim** 1987; 6(3):211–3 (Eng. Abstr.) **(Fre)**

[Complication of IVDSA—a case of mediastinal extravasation with a closed end catheter] Kojima K, et al. **Rinsho Hoshasen** 1986 Aug;31(8):961–3 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

The sonographic evaluation of normal thymus in infants and children. Lemaitre L, et al. **Eur J Radiol** 1987 May; 7(2):130–6

A suprasternal approach to the mediastinum using real–time ultrasonography. Echoanatomical correlations. Matter D, et al. **Eur J Radiol** 1987 Feb;7(1):11–7

Magnetic resonance imaging of the mediastinum. Poon PY, et al. **J Can Assoc Radiol** 1986 Sep;37(3):173–81

Mediastinal anatomy: emphasis on conventional images with anatomic and computed tomographic correlations. Proto AV. **J Thorac Imaging** 1987 Jan;2(1):1–48

Cross–sectional anatomy of the pericardial sinuses, recesses, and adjacent structures. Vesely TM, et al. **Surg Radiol Anat** 1986;8(4):221–7

BLOOD SUPPLY

A new approach to the vascular–nervous correlations of the superior mediastinum in man. Mezzogiorno V, et al. **Anat Anz** 1987;163(2):101–5

Blood supply of the caudal mediastinal lymph node in sheep. Albertine KH, et al. **Anat Rec** 1985 Jun;212(2):129–31, 154–5

Mediastinal vessels: postoperative evaluation with MR imaging. Katz ME, et al. **Radiology** 1986 Dec;161(3):647–51

[Mediastinal pseudotumors in cirrhosis. Diagnostic value of nuclear magnetic resonance in 3 cases] Guivarch P, et al. **Gastroenterol Clin Biol** 1987 Apr;11(4):333–7 (Eng. Abstr.) **(Fre)**

INJURIES

Arrow wounds to the heart and mediastinum. Fingleton LJ. **Br J Surg** 1987 Feb;74(2):126–8

Isolated fractures of the first ribs—an indication of major cervicomediastinal injury. McAdam JG, et al. **Injury** 1986 Jul;17(4):226–7

Mediastinal trauma and other acute mediastinal conditions. Tocino IM, et al. **J Thorac Imaging** 1987 Jan;2(1):79–100 (83 ref.)

INNERVATION

A new approach to the vascular–nervous correlations of the superior mediastinum in man. Mezzogiorno V, et al. **Anat Anz** 1987;163(2):101–5

The left recurrent laryngeal nerve at birth: anatomy and surgical applications. Bargy F, et al. **Surg Radiol Anat** 1986; 8(4):245–50

PATHOLOGY

Mediastinal imaging in myasthenia gravis: correlation of chest radiography, CT, MR, and surgical findings. Batra P, et al. **AJR** 1987 Mar;148(3):515–9

Idiopathic retroperitoneal and mediastinal fibrosis mimicking connective tissue disease. Morad N, et al. **Am J Med** 1987 Feb;82(2):363–6

Paraplegia due to massive asbestos–related pleural and mediastinal fibrosis. O'Brien CJ, et al. **Histopathology** 1987 May;11(5):541–8

Gated acquisition of MR images of the thorax: advantages for the study of the hila and mediastinum. Mark AS, et al. **Magn Reson Imaging** 1987;5(1):57–63

Steroid therapy as treatment for idiopathic fibrosis of the retroperitoneum and mediastinum. Feild C, et al. **Pediatrics** 1986 Nov;78(5):936–8

[Esophageal hiatus hernia with perforation into the mediastinum] Halkier P, et al. **Ugeskr Laeger** 1986 Oct 6; 148(41):2630–1 (Eng. Abstr.) **(Dan)**

[Pleural and mediastinal fibrosis with involvement of the external pericardium as a cause of decompensated heart failure] Erlemeier HH, et al. **Z Kardiol** 1986 Jul;75(7):441–4 (Eng. Abstr.) **(Ger)**

[Use of fine–needle puncture biopsy controlled by computed tomography in diagnosing diseases of the lungs and mediastinum] Rabkin IKh, et al. **Grudn Khir** 1986 Nov–Dec;(6):56–60 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Postoperative mediastinal radiation for cancer of the lung [letter] **N Engl J Med** 1987 Jun 4;316(23):1475–7

Effects of postoperative mediastinal radiation on completely resected stage II and stage III epidermoid cancer of the lung. The Lung Cancer Study Group. **N Engl J Med** 1986 Nov 27;315(22):1377–81

RADIOGRAPHY

The effect of the respiratory cycle on mediastinal and lung dimensions in Hodgkin's disease. Implications for radiotherapy gated to respiration. Willett CG, et al. **Cancer** 1987 Sep 15;60(6):1232–7

The subcarinal space revisited on a frontal chest radiography. An evaluation in subcarinal mass detection. Legmann P, et al. **Eur J Radiol** 1987 Feb;7(1):18–22

Diagnostic problems in the mediastinum. **J Thorac Imaging** 1987 Jan;2(1):1–100

The mediastinum in Hodgkin's and non–Hodgkin's lymphomas. Blank N, et al. **J Thorac Imaging** 1987 Jan; 2(1):66–71

Multiplanar study of the mediastinum with electronically reconstructed computed tomography images. Procacci C, et al. **J Thorac Imaging** 1987 Jan;2(1):49–56

Contiguous computed tomography angiography (CTA) of the chest. Lipcamon JD, et al. **Radiol Technol** 1986 Sep–Oct;58(1):23–6

Cine CT of the mediastinum in pediatric patients. Frey EE, et al. **Radiology** 1987 Oct;165(1):19–23

[Thoracic CT: the normal mediastinal CT image and its variations] Imai Y, et al. **Rinsho Hoshasen** 1986 Oct; 31(11):1185–200 (43 ref.) **(Jpn)**

[Thoracic CT: mediastinal lesions] Kono M, et al. **Rinsho Hoshasen** 1986 Oct;31(11):1215–27 (30 ref.) **(Jpn)**

SURGERY

Aggressive surgical approach for drug–free remission from myasthenia gravis. Fischer JE, et al. **Ann Surg** 1987 May; 205(5):496–503

Mediastinal tracheostomy. Gomes MN, et al. **Ann Thorac Surg** 1987 May;43(5):539–43

[Diagnostic parasternal mediastinotomy in the exploration of the mediastinum and lungs] Didenko VF, et al. **Klin Khir** 1986;(10):34–5 (Eng. Abstr.) **(Rus)**

MEDICAGO see **ALFALFA**

MEDICAID see **MEDICAL ASSISTANCE, TITLE 19**

MEDICAL ASSISTANCE

Canadian aid as a catalyst to improved East African health care [editorial] Hillman D, et al. **Can Med Assoc J** 1986 Sep 15;135(6):597–8

Medical subsidies [letter] Booth B. **NZ Med J** 1987 Jan 28; 100(816):23

Sickness subsidies [letter] Booth B. **NZ Med J** 1986 Dec 10; 99(815):959–60

LEGISLATION & JURISPRUDENCE

Missouri takes steps to narrow insurance gap. Firshein J. **Hospitals** 1987 Feb 5;61(3):20
NJ enacts trust fund pool for indigent care. Firshein J. **Hospitals** 1987 Feb 5;61(3):22
The role of the federal government in assuring access to health care. Darling H. **Inquiry** 1986 Fall;23(3):286–95

ORGANIZATION & ADMINISTRATION

Mental health funding [letter] Rubenstein LS, et al. **Hosp Community Psychiatry** 1987 Apr;38(4):410–2

MEDICAL ASSISTANCE, TITLE 19

Source of prenatal care and infant birth weight: the case of a North Carolina county. Buescher PA, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):204–10
Prescription drug use before and during pregnancy in a Medicaid population. Piper JM, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):148–56
Expenditure effects of changes in Medicaid benefit coverage: an alcohol and substance abuse example. Reutzel TJ, et al. **Am J Public Health** 1987 Apr;77(4):503–4
Hospital conditions of participation for Medicare and Medicaid programs—final rule. **Am Pharm** 1986 Nov; NS26(11):18–9
Community pharmacy in Arizona's prepaid Medicaid program. Larson LN, et al. **Am Pharm** 1986 Nov; NS26(11):56–8, 60
Medicaid expenditures for newborns [letter] **Fam Plann Perspect** 1986 Sep–Oct;18(5):241–2
Health care and the poor: psychological implications of restrictive policies. Curbow B. **Health Psychol** 1986; 5(4):375–91
HHS pushing for Medicaid HMOs. Firshein J. **Hospitals** 1987 Feb 20;61(4):22
Comparison of Medicaid and non-Medicaid dental providers. Lang WP, et al. **J Public Health Dent** 1986 Fall; 46(4):207–11
Indigents and Medicaid recipients [letter] Nicholson BE. **J SC Med Assoc** 1987 Mar;83(3):139
The Health Care Financing Administration [editorial] Stacey J. **JAMA** 1987 Aug 14;258(6):822
Has Medicaid promoted needless pediatric emergency department use? Christoffel KK, et al. **Pediatr Emerg Care** 1985 Mar;1(1):22–7
Pediatrician participation in Medicaid—findings of a five-year-follow-up study in California and elsewhere. Perloff JD, et al. **West J Med** 1986 Oct;145(4):546–50

ECONOMICS

Evaluation of the impact of Medicare and Medicaid prospective payment on utilization of Philadelphia area hospitals. Smith DB, et al. **Health Serv Res** 1986 Oct; 21(4):529–46
WA Medicaid study challenges HMO care myths. Traska MR. **Hospitals** 1987 Aug 5;61(15):42, 44
Prompt payment for Medicaid: does it exist? Traska MR. **Hospitals** 1987 Aug 5;61(15):28, 31
The impact of state Medicaid nursing home policies on utilization and expenditures. Harrington C, et al. **Inquiry** 1987 Summer;24(2):157–72
Prospective payment in perspective. Sapolsky HM. **J Health Polit Policy Law** 1986;11(4):633–45
Assessing Medicare's prospective payment system [editorial] Davis C. **JAMA** 1987 Apr 3;257(13):1793–4
The Monterey County Health Initiative. A post-mortem analysis of a California Medicaid demonstration project. Aved BM. **Med Care** 1987 Jan;25(1):35–45
The financial burden of medical care expenses for children. Newacheck PW, et al. **Med Care** 1986 Dec;24(12):1110–7
Case mix of public patients in skilled nursing facilities in Connecticut. Ryan JF, et al. **Med Care** 1987 Jan;25(1):46–51
Medicaid after 20 years: promise, problems, potential. Master RJ. **Ment Retard** 1987 Aug;25(4):211–4
Nursing home reimbursement: implications for cost containment, access, and quality. Holahan J, et al. **Milbank Q** 1987;65(1):112–47
Providing health care for low-income children: reconciling child health goals with child health financing realities. Rosenbaum S, et al. **Milbank Q** 1986;64(3):442–78
Payment restrictions for prescription drugs under Medicaid. Effects on therapy, cost, and equity. Soumerai SB, et al. **N Engl J Med** 1987 Aug 27;317(9):550–6
General downturn in Medicaid dentistry. Waldman HB. **NY State Dent J** 1987 Apr;53(4):23–5
Health care for the elderly: the road to poverty. Morrissey JM. **NY State J Med** 1986 Dec;86(12):620–1
Medicaid billing [letter] Moy DR. **NY State J Med** 1987 Jun;87(6):365
Long-term care. Goldowsky SJ. **RI Med J** 1986 Sep; 69(9):401
Capitation in California—an analysis of at-risk financing of Medicaid services. Halfon N, et al. **West J Med** 1986 Aug; 145(2):258–62

LEGISLATION & JURISPRUDENCE

Mandatory HMO care for Milwaukee's poor. Rowland D, et al. **Health Aff (Millwood)** 1987 Spring;6(1):87–100
Fraud bill steams toward passage. Burda D. **Hospitals** 1987 Jun 5;61(11):49, 52
Medicaid's role in LTC financing examined. Burda D. **Hospitals** 1987 Sep 20;61(18):55
LA Medicaid cut illegal: hospitals. Burda D. **Hospitals** 1987 Feb 20;61(4):68
Congress set to tackle spousal impoverishment. Droste T. **Hospitals** 1987 Jun 5;61(11):70
Medicaid measure broadens care for women, children. Firshein J. **Hospitals** 1986 Dec 5;60(23):27–8
Administration seeks cap on Medicaid outlays. Firshein J. **Hospitals** 1987 Feb 20;61(4):21
HCFA challenges state's retention of Medicaid funds. Merrill T. **Hospitals** 1987 May 20;61(10):26
States become creative with Medicaid expansion. Merrill T. **Hospitals** 1987 Sep 5;61(17):40
Amnesty law's impact on Medicaid unclear. Robinson M. **Hospitals** 1987 Sep 5;61(17):42
Hospital retail pharmacies: new limits. Robinson ML. **Hospitals** 1987 Sep 20;61(18):26
Health care for the poor. A public-policy imperative. Whitcomb ME. **N Engl J Med** 1986 Nov 6;315(19):1220–2
Medicaid recordkeeping requirements and professional misconduct [letter] Moy DR. **NY State J Med** 1987 Jul; 87(7):410–1
Medicare and Medicaid payment strategies for health care providers. Baptist AJ, et al. **Top Health Care Financ** 1986 Winter;13(2):1–15

ORGANIZATION & ADMINISTRATION

Managed care in Medicaid: selected issues in program origins, design, and research. Freund DA, et al. **Annu Rev Public Health** 1987;8:137–63 (50 ref.)
Lessons learned from Medicaid managed care approaches. Anderson MD, et al. **Health Aff (Millwood)** 1987 Spring; 6(1):71–86
Lessons from a fourteen-state study of Medicaid. Omenn GS. **Health Aff (Millwood)** 1987 Spring;6(1):118–22
A national survey of Medicaid case-management programs. Spitz B. **Health Aff (Millwood)** 1987 Spring;6(1):61–70
States opt for hospice Medicaid reimbursement. Droste T. **Hospitals** 1987 May 5;61(9):88
Providers bear cost of poor payer information. Shahoda T. **Hospitals** 1987 Apr 20;61(8):33
Managed care Medicaid programs on the rise. Traska MR. **Hospitals** 1987 Aug 5;61(15):44
Implementing change: lessons for Medicaid reformers. Bachman SS, et al. **J Health Polit Policy Law** 1987 Summer; 12(2):237–51
Defederalizing Medicaid: fair to the poor, fair to taxpayers? Cromwell J, et al. **J Health Polit Policy Law** 1987 Spring; 12(1):1–34
Private insurance for Medicaid recipients: the Texas experience. Feldman PH, et al. **J Health Polit Policy Law** 1987 Summer;12(2):271–98
The complexities of managed care: operating a voluntary system. Prottas JM, et al. **J Health Polit Policy Law** 1987 Summer;12(2):253–69
Use of health care before and during Citicare. Bonham GS, et al. **Med Care** 1987 Feb;25(2):111–9

TRENDS

Arizona Health Care Cost Containment System. Anderson JP. **J Fla Med Assoc** 1987 Feb;74(2):106–9

UTILIZATION

Medicaid expenditures for maternity and newborn care in America [published erratum appears in Fam Plann Perspect 1986 Jul–Aug;18(4):196] Kenney AM, et al. **Fam Plann Perspect** 1986 May–Jun;18(3):103–10
Medicaid mandate tied to Cape Cod outpatient facility. Firshein J. **Hospitals** 1987 Jan 5;61(1):21
Medicaid's overload sparks a crisis. Friedman E. **Hospitals** 1987 Jan 20;61(2):50–4
Physicians' decisions to limit Medicaid participation: determinants and policy implications. Perloff JD, et al. **J Health Polit Policy Law** 1987 Summer;12(2):221–35
Prenatal participation in WIC related to Medicaid costs for Missouri newborns: 1982 update. Schramm WF. **Public Health Rep** 1986 Nov–Dec;101(6):607–15

MEDICAL AUDIT

The advanced life support base hospital audit for medical control in an emergency medical services system. Pointer JE. **Ann Emerg Med** 1987 May;16(5):557–60
Auditing perioperative mortality. Deans GT, et al. **Ann R Coll Surg Engl** 1987 Jul;69(4):185–7
Surgical audit in a district general hospital: a stimulus for improving patient care. Glass RE, et al. **Ann R Coll Surg Engl** 1987 May;69(3):135–9
A computerized prospective audit of cardiopulmonary resuscitation in the accident and emergency department. Wardrope J, et al. **Arch Emerg Med** 1986 Sep;3(3):183–91
Impact of a therapeutic drug monitoring program for digoxin. Wing D, et al. **Arch Intern Med** 1987 Aug;147(8):1405–8
A case audit of acute severe asthma in children. Dawson KP, et al. **Aust Clin Rev** 1986 Dec;6(23):200–3
Criteria audit of anaesthetic records. Gaylard D, et al. **Aust Clin Rev** 1986 Dec;6(23):220–1
The impact of diagnostic tests on the management of ambulatory cardiac patients. Jelinek M. **Aust Clin Rev** 1986 Sep;6(22):142–5
An audit of surgery in 100 patients over 75 years in a private hospital. Reid DP, et al. **Aust Clin Rev** 1987 Jun;7(25):85–9
Out-of-hours radiology: a suitable case for audit? Charny MC, et al. **Br J Radiol** 1987 Jun;60(714):553–6
Use and misuse of digoxin assay service [letter] Capps NE. **Br Med J [Clin Res]** 1986 Nov 29;293(6559):1439–40
How effective is case finding at detecting diabetes and hypertension in the community? Fairley R. **Br Med J [Clin Res]** 1987 May 9;294(6581):1202
Be your own coroner: an audit of 500 consecutive deaths in a general practice. Hart JT, et al. **Br Med J [Clin Res]** 1987 Apr 4;294(6576):871–4
Morbidity audit, 1984, Canadian Society for Vascular Surgery. Sladen JG. **Can J Surg** 1987 Jan;30(1):3–4
United States audit of asthma therapy. Hodgkin JE. **Chest** 1986 Nov;90(5 Suppl):62S–66S
French audit of asthma therapy. Marsac J. **Chest** 1986 Nov; 90(5 Suppl):78S–80S
European audit of asthma therapy. Vermeire PA, et al. **Chest** 1986 Nov;90(5 Suppl):58S–61S
Chart audit of ambulatory care in a residency program: a comprehensive system. Crosby JT. **Fam Med** 1985 Jan–Feb; 17(1):17–20
Cervical cytology: a general practice audit. Wilson AD. **Fam Pract** 1987 Mar;4(1):56–60
Physician practice profiles: a case study of the use of audit and feedback in an ambulatory care group practice. Braham RL, et al. **Health Care Manage Rev** 1987 Summer; 12(3):11–6
Using a drug audit program to reduce polypharmacy in a state psychiatric hospital. Wells BG, et al. **Hosp Community Psychiatry** 1986 Dec;37(12):1262–5
Audit procedures in the National Breast Screening Study: mammography interpretation [published erratum appears in J Can Assoc Radiol 1987 Mar;38(1):59] Baines CJ, et al. **J Can Assoc Radiol** 1986 Dec;37(4):256–60
An audit of obstetric care in a university family medicine department and an obstetrics-gynecology department. Ely JW, et al. **J Fam Pract** 1976 Aug;3(4):397–401
Audit of the assessment of mental impairment in the elderly. Iredale JP, et al. **J R Coll Physicians Lond** 1986 Oct; 20(4):268–70
Colon resection nomenclature: a practical problem in surgical audit. Gordon DS, et al. **J R Coll Surg Edinb** 1986 Jun; 31(3):164–8
What follows diagnosis by computed tomography of solitary brain tumour? Audit of one year's experience in South East Scotland. Todd NV, et al. **Lancet** 1987 Mar 14; 1(8533):611–2
Provider-oriented interventions and management of hypertension. Siscovick DS, et al. **Med Care** 1987 Mar; 25(3):254–8
Prospective-concurrent audits and medical consultation for platelet transfusions. Simpson MB. **Transfusion** 1987 Mar–Apr;27(2):192–5

METHODS

Medical audit in geriatric medicine. Dunn RB, et al. **Age Ageing** 1987 Jul;16(4):225–8
A computer-assisted emergency department chart audit. Overton DT. **Ann Emerg Med** 1987 Jan;16(1):68–72
Lithotripter audit—a helping hand. **Aust Clin Rev** 1986 Sep; 6(22):169–71
Clinical review of dressings, sutures and lacerations. Hunter D, et al. **Aust Clin Rev** 1986 Sep;6(22):163–5
The clinical audit cycle. Tugwell P, et al. **Aust Clin Rev** 1986 Jun;6(21):100–6
Summary of labour and obstetric audit by microcomputer. Glass R, et al. **Aust NZ J Obstet Gynaecol** 1987 Feb; 27(1):46–9
A simple surgical audit. Isbister WH, et al. **Aust NZ J Surg** 1987 May;57(5):303–5
Auditing the vascular surgical audit. Campbell WB, et al. **Br J Surg** 1987 Feb;74(2):98–100
The appropriate use of diagnostic services: (XIII). Medical audit in clinical practice and medical education. Heath DA. **Health Bull (Edinb)** 1987 Mar;45(2):62–6
Development of a microcomputer-based system for surgical audit and patient administration: a review. Ellis BW, et al. **J R Soc Med** 1987 Mar;80(3):157–61
Assuring quality in a trauma system—the Medical Audit Committee: composition, cost, and results. Shackford SR, et al. **J Trauma** 1987 Aug;27(8):866–75
Evaluating the success of mammography at the local level: how to conduct an audit of your practice. Spring DB, et al. **Radiol Clin North Am** 1987 Sep;25(5):983–92

STANDARDS

Endoscopy audit. **Aust Clin Rev** 1986 Sep;6(22):118–9

MEDICAL CARE RESEARCH see **HEALTH SERVICES RESEARCH**

MEDICAL CARE TEAM see **PATIENT CARE TEAM**

MEDICAL CENTERS, ACADEMIC see **ACADEMIC MEDICAL CENTERS**

MEDICAL CENTERS, UNIVERSITY see **ACADEMIC MEDICAL CENTERS**

MEDICAL COMPUTER SCIENCE see **MEDICAL INFORMATICS**

MEDICAL DECISION MAKING, COMPUTER-ASSISTED see **DECISION MAKING, COMPUTER-ASSISTED**

MEDICAL DEVICE DESIGN see **EQUIPMENT DESIGN**

MEDICAL DEVICE FAILURE see **EQUIPMENT FAILURE**

MEDICAL DEVICE SAFETY see **EQUIPMENT SAFETY**

MEDICAL DEVICES see **EQUIPMENT AND SUPPLIES**

MEDICAL DIRECTORS

Searching for the right stuff. Forsey R. **Can Med Assoc J** 1986 Oct 1;135(7):791

The emergency department medical director. Mayer TA. **Emerg Med Clin North Am** 1987 Feb;5(1):1-29

Medical direction in emergency medical services: the role of the physician. Stewart RD. **Emerg Med Clin North Am** 1987 Feb;5(1):119-32

Administrative medicine: a new medical specialty? Kindig DA, et al. **Health Aff (Millwood)** 1986 Winter;5(4):146-56

Applying modern management principles to clinical administration of a behaviorally oriented inpatient unit. Merkel WT, et al. **Hosp Community Psychiatry** 1987 Feb; 38(2):152-9

Physicians move into senior management. Lloyd JS. **Hospitals** 1987 Oct 5;61(19):164

MD manager heads "corporation" of physicians.Nelson S. **Hospitals** 1987 Apr 5;61(7):70

ECONOMICS

The rising incomes--and numbers--of MD execs. Nelson S. **Hospitals** 1987 Sep 20;61(18):63

EDUCATION

Management training in vogue for physicians. Greene J. **Hospitals** 1986 Oct 5;60(19):118

LEGISLATION & JURISPRUDENCE

Legal responsibility of the medical director. Newcombe EP. **Trans Assoc Life Insur Med Dir Am** 1987;70:188-99

STANDARDS

Medical directors of critical care air transport services. Poulton TJ, et al. **Crit Care Med** 1987 Aug;15(8):784-5

MEDICAL EXAMINERS see **CORONERS AND MEDICAL EXAMINERS**

MEDICAL HISTORY TAKING

see related
DATA COLLECTION

Physician-scientists and scientific physicians. Resolving the humanism-science dichotomy. Engel GL. **Am J Med** 1987 Jan;82(1):107-11

Medical history as part of disability evaluation. Waylonis GW. **Arch Phys Med Rehabil** 1987 Sep;68(9):574-5

Use of sexual history to differentiate organic from psychogenic impotence. Segraves KA, et al. **Arch Sex Behav** 1987 Apr;16(2):125-37

Importance of a relevant medical history [letter] Scully C, et al. **Br Dent J** 1987 Apr 25;162(8):293

Can clinical anaphylaxis to anaesthetic drugs be predicted from allergic history? Fisher MM, et al. **Br J Anaesth** 1987 Jun;59(6):690-2

Doctors have no time for alcohol screening. Rowland N, et al. **Br Med J [Clin Res]** 1987 Jul 11;295(6590):95-6

A decision-driven system to collect the patient history. Haug PJ, et al. **Comput Biomed Res** 1987 Apr;20(2):193-207

Appraisal of computerized medical histories: comparisons between computerized and conventional records. Quaak MJ, et al. **Comput Biomed Res** 1986 Dec;19(6):551-64

Computerized history taking for training medical students. Westerhof HP, et al. **Comput Biomed Res** 1986 Dec; 19(6):596-605

Patient evaluation. Rose LF, et al. **Dent Clin North Am** 1987 Jan;31(1):53-73

Reliability of self-reported data [letter] Pecoraro S. **Diabetes Care** 1986 Sep-Oct;9(5):557-8

Interviewing style and response to family information by family practice residents. Crouch MA, et al. **Fam Med** 1986 Jan-Feb;18(1):15-8

The effect of taking a sexual history on the notation of sexually related diagnoses. Driscoll CE, et al. **Fam Med** 1986 Sep-Oct;18(5):293-5

Clinician-entered computerized psychiatric triage records. Chang MM. **Hosp Community Psychiatry** 1987 Jun; 38(6):652-6

Clinical cognition 101. Kassirer JP, et al. **Hosp Pract [Off]** 1987 May 15;22(5):57-9, 62-4 passim

Evaluate the patient, not just the pain [letter] Olsen AY Jr. **Hosp Pract [Off]** 1986 Sep 30;21(9A):21

Non-recording of socio-demographic variables in the emergency room setting. Adityanjee, et al. **Int J Soc Psychiatry** 1987 Spring;33(1):30-2

Use of assessment instruments in clinical settings. Applegate WB. **J Am Geriatr Soc** 1987 Jan;35(1):45-50

Patient history in screening for dry eye conditions. McMonnies CW, et al. **J Am Optom Assoc** 1987 Apr; 58(4):296-301

Diagnosis of alcoholism in a simulated patient encounter by primary care physicians. Brown RL, et al. **J Fam Pract** 1987 Sep;25(3):259-64

The vitamin-mineral supplement history. Muncie HL Jr, et al. **J Fam Pract** 1987 Apr;24(4):365-8

The diagnostic usefulness of the history of the patient with dyspnea. Schmitt BP, et al. **J Gen Intern Med** 1986 Nov-Dec;1(6):386-93

A history of history-taking: the medical interview. Stoeckle JD, et al. **J Gen Intern Med** 1987 Mar-Apr;2(2):119-27

Teaching the difficult interview in a required course on medical interviewing. Block MR, et al. **J Med Educ** 1987 Jan;62(1):35-40

Use of computer simulations to teach history-taking to first-year medical students. Nardone DA, et al. **J Med Educ** 1987 Mar;62(3):191-3

Observation, history, and physical examination in diagnosis of serious illnesses in febrile children less than or equal to 24 months. McCarthy PL, et al. **J Pediatr** 1987 Jan; 110(1):26-30

What is subjective global assessment of nutritional status? Detsky AS, et al. **JPEN J Parenter Enteral Nutr** 1987 Jan-Feb;11(1):8-13

Cultural barriers and the diagnostic process [letter] Einterz EM. **Lancet** 1987 Jun 20;1(8547):1434

A history of computerized medical interviews. Slack WV. **MD Comput** 1984;1(5):52-9, 68

The importance of the comprehensive medical history. Lisansky ET. **Md Med J** 1987 Jun;36(6):479-81

Upper gastrointestinal tract bleeding: assessing the diagnostic contributions of the history and clinical findings. Ohmann C, et al. **Med Decis Making** 1986 Oct-Dec;6(4):208-15

Patient appreciations of computerized medical interviews. Quaak MJ, et al. **Med Inf (Lond)** 1986 Oct-Dec; 11(4):339-50

The history and the cause of death. Leadbeatter S, et al. **Med Sci Law** 1987 Apr;27(2):132-5

Computerization of the patient history--patient answers compared with medical records. Quaak MJ, et al. **Methods Inf Med** 1986 Oct;25(4):222-8

Adequate anamnesis for the evaluation of hip function in elderly patients. Verberne GH, et al. **Neth J Surg** 1986 Oct;38(5):147-9

The family genogram: an underutilized clinical tool. Rogers J, et al. **NJ Med** 1985 Nov;82(11):887-92

Medical histories [letter] **NY State Dent J** 1986 Oct;52(8):7

The use of simulated patients in the assessment of actual clinical performance in general practice. O'Hagan JJ, et al. **NZ Med J** 1986 Dec 10;99(815):948-51

Occupational history-taking in the RSA. Zwi AB, et al. **S Afr Med J** 1986 Nov 8;70(10):601-5

Transferability of a computer system for medical history taking and decision support in dyspepsia. A comparison of indicants for peptic ulcer disease. Lindberg G, et al. **Scand J Gastroenterol [Suppl]** 1987;128:190-6

Accuracy of work history obtained from a spouse. Shalat SL, et al. **Scand J Work Environ Health** 1987 Feb; 13(1):67-9

Taste and smell problems: validation of questions for the clinical history. Gent JF, et al. **Yale J Biol Med** 1987 Jan-Feb;60(1):27-35

[Can organic and functional abdominal complaints be distinguished on the basis of the anamnesis and psychological examination?] Bleijenberg G, et al. **Ned Tijdschr Geneeskd** 1987 Feb 14;131(7):273-8 (Eng. Abstr.) **(Dut)**

[Thrombosis diagnosis in Noord-Holland in 1985] Lensing AW, et al. **Ned Tijdschr Geneeskd** 1986 Aug 9; 130(32):1434-6 (Eng. Abstr.) **(Dut)**

[Anamnesis and diagnosis of chronic urticaria] Mekkes JR, et al. **Ned Tijdschr Geneeskd** 1986 Oct 4;130(40):1801-5 (Eng. Abstr.) **(Dut)**

[How should the patient be examined?] Pelkonen R. **Duodecim** 1986;102(16):1110-4 **(Fin)**

[Childhood antecedents in adult schizophrenics. II) Anamnestic study of 35 adult schizophrenics] Etchepare JJ, et al. **Ann Med Psychol (Paris)** 1986 Apr;144(4):387-95 **(Fre)**

[What does family anamnesis contribute in routine medical practice?] Rott HD. **Fortschr Med** 1987 Jan 20;105(2):21-3 (Eng. Abstr.) **(Ger)**

[Survey on colposcopic terminology] Montanari GR. **Minerva Ginecol** 1986 Dec;38(12):979-81 **(Ita)**

[Extent of diagnosis by medical history taking, physical examination, thoracic X-ray, and electrocardiography. 1. Medical history taking] Takagi M. **Jpn Circ J** 1986 Dec; 50 Suppl 1:2-5 **(Jpn)**

[Role of the anamnesis in diagnosing coronary artery lesions in persons with pains in the area of the heart] Khalfen ESh, et al. **Kardiologiia** 1986 Jul;26(7):102-3 **(Rus)**

[The Cornell Medical Index as a screening instrument for somatic and/or psychiatric pathology in a rural community] Alonso Sánchez M, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1987 Mar-Apr;15(2):57-65 (Eng. Abstr.) **(Spa)**

[The clinical history] Puigvert A. **Arch Esp Urol** 1986 Oct; 39(8):539-42 **(Spa)**

[Usefulness of the anamnesis in the detection of blood coagulation disorders] Hubner ME, et al. **Rev Chil Pediatr** 1986 Mar-Apr;57(2):138-40 (Eng. Abstr.) **(Spa)**

STANDARDS

The reliability of dietary history from the distant past. Byers T, et al. **Am J Epidemiol** 1987 Jun;125(6):999-1011

The failure of routine assessment to detect histories of assault experienced by psychiatric patients. Jacobson A, et al. **Hosp Community Psychiatry** 1987 Apr;38(4):386-9

Assessing interviewing skills: the simulated office oral examination. Sawa RJ. **J Fam Pract** 1986 Dec;23(6):567-71

Interviewing skills of first-year medical students. Preven DW, et al. **J Med Educ** 1986 Oct;61(10):842-4

Interviewing and examination skills in paediatric medicine: videotape analysis of student and consultant performance. Menahem S. **J R Soc Med** 1987 Mar;80(3):138-42

How psychiatric disorders are missed during medical consultations. Davenport S, et al. **Lancet** 1987 Aug 22; 2(8556):439-41

MEDICAL ILLUSTRATION

Worth a thousand words--an illustration after ear surgery. McDaniel AB, et al. **Am J Otol** 1987 Jan;8(1):39

The pre-press evolution. Clapp R. **J Audiov Media Med** 1986 Jul;9(3):84-90

Computer graphics in a large photographic department. Lund RE. **J Audiov Media Med** 1986 Jul;9(3):95-8

Gallery. **J Biocommun** 1986 Fall;13(4):12-9

A comparison between illumination and position pictorial depth cues. Murphy K, et al. **J Biocommun** 1987 Spring; 14(2):19-26

Adding selected areas of color to black and white slides by color coupling. Puzas JE, et al. **J Biol Photogr** 1982 Jul; 50(3):69-70

First picture of erythema infectiosum? [letter] van Elsacker-Niele AM, et al. **Lancet** 1987 Jan 24;1(8526):229

Microsurgical anatomy and operative approaches to the lateral ventricles. Timurkaynak E, et al. **Neurosurgery** 1986 Nov;19(5):685-723

HISTORY

Fragments of neurologic history: Felix Vicq d'Azyr and neuroanatomy. Farrell PS, et al. **Neurology** 1987 Aug; 37(8):1349-50

Sketches of surgical cases drawn in 1884-87 at the East London Hospital for Children, Shadwell. Swain VA. **Prog Pediatr Surg** 1986;20:265-80

[The Russian translation of "Anatomy of the Human Body" by G. Bidloo] Romanov NA, et al. **Arkh Anat Gistol Embriol** 1987 May;92(5):86-9 **(Rus)**

MEDICAL INDIGENCY

Medical justice for the poor [editorial] Pence G. **Ala J Med Sci** 1986 Oct;23(4):375-7

Effects of a poverty-clients' agenda on resource allocations by community decision makers. Seekins T, et al. **Am J Community Psychol** 1987 Jun;15(3):305-20

Section to discuss health care and the poor? [letter] **Am J Dis Child** 1987 Feb;141(2):126-7

Disappointing follow-up findings for indigent high-risk newborns. Lasky RE, et al. **Am J Dis Child** 1987 Jan; 141(1):100-5

Health care's safety net. Enright SM. **Am J Hosp Pharm** 1987 Apr;44(4):879-81

Assuring access in a changing health care system. Calkins DR. **Bull NY Acad Med** 1987 Jan-Feb;63(1):93-102

A coalition that worked: medical indigent care in Pueblo, Colorado. A revisitation. **Colo Med** 1987 Jul 15;84(12):251

A new challenge--charitable medical services. Coggins PR. **Del Med J** 1987 Feb;59(2):69-70

Unresolved hospital charges in Florida. Duncan RP, et al. **Health Aff (Millwood)** 1987 Spring;6(1):157-66

Financing charity care in an era of competition. Lewin LS, et al. **Health Aff (Millwood)** 1987 Spring;6(1):47-60

Poor people, poor policy: government programs for the disadvantaged. Mullan F. **Health Aff (Millwood)** 1987 Spring;6(1):113-7

Health insurance for the nation's poor. Reinhardt UE. **Health Aff (Millwood)** 1987 Spring;6(1):101-12

Mandatory HMO care for Milwaukee's poor. Rowland D, et al. **Health Aff (Millwood)** 1987 Spring;6(1):87-100

Viable strategies for dealing with the uninsured. Wilensky GR. **Health Aff (Millwood)** 1987 Spring;6(1):33-46

Linking health care for the poor to health care for profit. Wolfson J, et al. **Health Aff (Millwood)** 1987 Spring; 6(1):129-35

Health care for the indigent: research agenda for the future. **Health Serv Res** 1986 Aug;21(3):395-401

Health care for the indigent: overview of critical issues. Bazzoli GJ. **Health Serv Res** 1986 Aug;21(3):353-93 (86 ref.)

No miracle remedies in sight for financing health care for the poor. Kuder JM. **Henry Ford Hosp Med J** 1986; 34(4):252-6

The quality of mercy is strained [editorial] Uhl HS. **Hosp Pract [Off]** 1987 Jul 15;22(7):15-6

Indigent care seen as states' top priority for '87. Burda D.

Hospitals 1987 Jan 5;61(1):41
New tort reforms address access to care problems. Burda D. **Hospitals** 1987 Apr 20;61(8):68
AL businesses take fresh approach to indigent care. Considine S. **Hospitals** 1987 Jan 20;61(2):60
Legislative focus on indigent care likely to continue. Firshein J. **Hospitals** 1986 Dec 20;60(24):30–1
Missouri takes steps to narrow insurance gap. Firshein J. **Hospitals** 1987 Feb 5;61(3):20
NJ enacts trust fund pool for indigent care. Firshein J. **Hospitals** 1987 Feb 5;61(3):22
CO public hospital dumps patients. McCormick B. **Hospitals** 1986 Dec 5;60(23):76
States become creative with Medicaid expansion. Merrill T. **Hospitals** 1987 Sep 5;61(17):40
Hospital profit margins are not the real problem. Newman HN. **Hospitals** 1987 May 5;61(9):116
Uncompensated care costs rise nationwide. Shahoda T. **Hospitals** 1987 Mar 5;61(5):34
Survey prompts call for defining indigent care. Shahoda T. **Hospitals** 1987 Mar 5;61(5):66–7
Multis pessimistic about indigent care issue. Shahoda T. **Hospitals** 1987 Mar 5;61(5):65–6
Indigent care: public wants government to pay. Steiber S. **Hospitals** 1987 Oct 5;61(19):152
Insuring the uninsured through private action: ideas and initiatives. Bovbjerg RR. **Inquiry** 1986 Winter;23(4):403–18
America: the home of the free, the land of the uninsured. Cohodes DR. **Inquiry** 1986 Fall;23(3):227–35
The role of state governments in assuring access to care. Curtis R. **Inquiry** 1986 Fall;23(3):277–85
The role of the federal government in assuring access to health care. Darling H. **Inquiry** 1986 Fall;23(3):286–95
National policy and the medically uninsured. Regula R. **Inquiry** 1987 Spring;24(1):48–56
Implications of Medicare's prospective payment system for the provision of uncompensated hospital care. Sheingold S, et al. **Inquiry** 1986 Winter;23(4):371–81
Indigent care in rational markets. Sherlock DB. **Inquiry** 1986 Fall;23(3):261–7
Programs to assist indigent pregnant women. **Iowa Med** 1986 Sep;76(9):438–9
Care for the medically indigent: a major challenge for Florida. Brumback CL, et al. **J Fla Med Assoc** 1987 Feb; 74(2):114–7
Indigent care: overview of the problem and the need for an investigative approach to its solution [editorial] Caldwell JR. **J Fla Med Assoc** 1987 Feb;74(2):77–9
Primary care programs for the indigent. Conn JK. **J Fla Med Assoc** 1987 Feb;74(2):120–4
The nature of the indigent care problem in Florida. Kilpatrick KE. **J Fla Med Assoc** 1987 Feb;74(2):96–9
The Florida Medical Association and indigent care: an agenda for the future. McIntosh CB, et al. **J Fla Med Assoc** 1987 Feb;74(2):89–95
Restoring altruism will solve the indigent care problem [letter] Russin J. **J Fla Med Assoc** 1987 Apr;74(4):249–50
Improved access to care for the uninsured poor in large cities: do public hospitals make a difference? Thorpe KE, et al. **J Health Polit Policy Law** 1987 Summer;12(2):313–24
Georgia doctors help medically indigent [editorial] Menendez JF. **J Med Assoc Ga** 1987 Jul;76(7):508–9
The doctor, the rich, and the indigent. Graham G. **J Med Philos** 1987 Feb;12(1):51–61
The challenge of providing health care for the poor: public hospital perspective. Yancey AG Sr. **J Natl Med Assoc** 1987 Jan;79(1):107–11
Health insurance loss among the unemployed: extent of the problem and policy options. Gold M, et al. **J Public Health Policy** 1987 Spring;8(1):44–64
Indigents and Medicaid recipients [letter] Nicholson BE. **J SC Med Assoc** 1987 Mar;83(3):139
Subsidizing antihypertensive therapy for persons who can't pay (but may develop complications) suggested as long-term economical approach [news] Marwick C. **JAMA** 1987 May 22–29;257(20):2693, 2697
Medical care for the homeless [letter] Dickinson EJ, et al. **Lancet** 1987 Apr 25;1(8539):980–1
Primary care for the poor [letter] **N Engl J Med** 1987 Sep 3;317(10):635–6
Rethinking public ambulatory care in America. Mullan F. **N Engl J Med** 1987 Feb 26;316(9):544–7
Medical indigency and the public health care crisis. The need for a definitive solution. Nutter DO. **N Engl J Med** 1987 Apr 30;316(18):1156–8
Health care for the poor. A public-policy imperative. Whitcomb ME. **N Engl J Med** 1986 Nov 6;315(19):1220–2
Indigent health care for pregnant women in Nebraska. Monif G. **Nebr Med J** 1986 Oct;71(10):348–9
Access to ambulatory care services for economically disadvantaged children. Newacheck PW, et al. **Pediatrics** 1986 Nov;78(5):813–9
Management of tuberculosis in urban homeless indigents. Slutkin G. **Public Health Rep** 1986 Sep–Oct;101(5):481–5
Equity in the distribution of health and welfare services: can we rely on the state to reverse the 'inverse care law?' Smith CJ. **Soc Sci Med** 1986;23(10):1067–78
The Texas indigent health care initiative: overview and issues. Begley CE, et al. **Tex Med** 1987 Mar;83(3):64–9
Indigent health care: a continuing dilemma. Brandt EN Jr. **Tex Med** 1987 May;83(5):27–31
The indigent patient—yours, mine, ours? Franciso CJ. **Tex Med** 1987 Jun;83(6):75–7
There will always be poor people! [editorial] Guerra FA. **Tex Med** 1987 May;83(5):5
Putting ideals into action. Sherman physicians lend a helping hand. Jones D. **Tex Med** 1986 Oct;82(10):53
[UTMB infant special care unit: regional function and costs of care for 1983. Malloy MH, et al. **Tex Med** 1986 Oct; 82(10):31–4
The Texas Medical Foundation and compassion [editorial] Selby JH. **Tex Med** 1987 May;83(5):7
Nonindigents in the AHCCCS Plan [letter] Schaller DF. **West J Med** 1987 Jan;146(1):99–100
[From the mentally ill poor to the poor mentally ill. A study of mental illness and insanity in baroque Rome] Kläui C. **Gesnerus** 1986;43(3–4):279–98 (Eng. Abstr.) **(Ger)**

HISTORY

[Documents of the founding of the Korányi Hospital for Indigents] Fazekas A. **Orv Hetil** 1986 Nov 16; 127(46):2821–2 **(Hun)**

MEDICAL INFORMATICS

MEDIS. A philosophical breakthrough in medical information management [editorial] Hafner AW. **Arch Intern Med** 1987 Mar;147(3):417–8
A relational medical database machine system. Budd JR, et al. **Biomed Sci Instrum** 1987;23:145–8
Diagnosis of rheumatic disease [letter] Edwards J. **Br J Rheumatol** 1987 Feb;26(1):73–4
The potential of computer applications in rheumatology [editorial] Kirwan JR. **Br J Rheumatol** 1987 Feb;26(1):3–4
Computers in health care: we're entering a new phase. Goldman B. **Can Med Assoc J** 1987 Jun 1;136(11):1201–6
A vocabulary for medical informatics. Rada R, et al. **Comput Biomed Res** 1987 Jun;20(3):244–63
Cardiology office computer use: primer, pointers, pitfalls. Shepard RB, et al. **J Am Coll Cardiol** 1986 Oct;8(4):933–40
Public access computing in health science libraries. Kehn S. **J Biocommun** 1987 Spring;14(2):7–12
Using medical databases for clinical research. Goldman L, et al. **J Gen Intern Med** 1986 Jul–Aug;1(4 Suppl):S25–30
Research uses of computer-stored practice records in general medicine. McDonald CJ, et al. **J Gen Intern Med** 1986 Jul–Aug;1(4 Suppl):S19–24
Medical informatics/computers in medicine. Lindberg DA. **JAMA** 1986 Oct 17;256(15):2120–2
Can computers take the drudgery out of medical education? Bruer JT. **MD Comput** 1984;1(3):29–33
Careers in medical computing [editorial] McDonald CJ. **MD Comput** 1984;1(6):5–6
A directory of medical software companies. Polacsek RA. **MD Comput** 1987 Jul–Aug;4(4):17–40
A directory of medical software companies. Polacsek RA. **MD Comput** 1985 Jul–Aug;2(4):47–53
Analysis of citations in four MIE proceedings. Köhler CO. **Med Inf (Lond)** 1987 Jan–Mar;12(1):53–61
Defaults, exceptions and ambiguity in a medical knowledge representation system. Rector AL. **Med Inf (Lond)** 1986 Oct–Dec;11(4):295–306
Automatic radiologic reporting system using speech recognition. Matumoto T, et al. **Med Prog Technol** 1987; 12(3–4):243–57
Formative evaluation of a structured data base as an educational strategy in medical microbiology. Friedman CP, et al. **Proc Annu Conf Res Med Educ** 1986;25:225–30
What is medical informatics? [editorial] Blois MS. **West J Med** 1986 Dec;145(6):776–7
The computer and the future of continuing medical education. Manning PR. **West J Med** 1986 Dec; 145(6):872–3
Medical libraries and computers. The role of medical libraries in medical informatics. Matheson NW. **West J Med** 1986 Dec;145(6):859–63
[The physician and the computer. 4. Mass processing of data] Hladiková M, et al. **Cesk Pediatr** 1987 Apr;42(4):233–5 (Eng. Abstr.) **(Cze)**
[The physician and the computer. 1. The task of the physician and basic areas of application] Kasal P. **Cesk Pediatr** 1987 Jan;42(1):47–8 (Eng. Abstr.) **(Cze)**

EDUCATION

Computer instruction as part of a course on analytic medicine for first-year students. Knapp RG, et al. **J Med Educ** 1987 Sep;62(9):771–4
Teaching clinicians to search MEDLINE: description and evaluation of a short course. McKibbon KA, et al. **Proc Annu Conf Res Med Educ** 1986;25:231–6
A program of microcomputer use in a junior internal medicine clerkship. Talley RC. **Proc Annu Conf Res Med Educ** 1986;25:237–48
[Teaching of medical informatics at the department of roentgenology and radiology of a medical institute] Koroliuk IP. **Med Radiol (Mosk)** 1987 Mar;32(3):91–3 **(Rus)**

HISTORY

Origins of medical informatics. Collen MF. **West J Med** 1986 Dec;145(6):778–85
The National Library of Medicine and medical informatics. Lindberg DA, et al. **West J Med** 1986 Dec;145(6):786–90

STANDARDS

Medical software regulation: why now? [editorial] McDonald CJ. **MD Comput** 1986 Sep–Oct;3(5):7–8

TRENDS

[Informatics, its influence in medicine] Kempf B. **Bull Acad Natl Med (Paris)** 1987 Jan;171(1):81–90 (Eng. Abstr.) **(Fre)**

MEDICAL INFORMATICS APPLICATIONS

Forensic diagnosis coding and retrieval by microcomputer. Klatt EC, et al. **Am J Forensic Med Pathol** 1986 Sep; 7(3):196–200
Computer applications in obstetrics. Catanzarite VA, et al. **Am J Obstet Gynecol** 1987 May;156(5):1049–53
A computer summary for general practice medical records: MEDSUM. Bridges-Webb C. **J Fam Pract** 1986 Oct; 23(4):389–92
Medical records and clinical databases: what is the difference? Blois MS. **MD Comput** 1984;1(3):24–8
The physician's personal workstation. Blois MS. **MD Comput** 1985 Sep–Oct;2(5):22–6
A history of computerized medical interviews. Slack WV. **MD Comput** 1984;1(5):52–9, 68
Opioid peptides: analysis of specificity and multiple binding modes through computer-aided drug design and structure-activity studies. Nelson RD, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;69:204–30
Applying information technology to clinical medicine [letter] Yager NB. **West J Med** 1986 Oct;145(4):521–2
[Computers in internal medicine] Svačina S, et al. **Vnitr Lek** 1987 May;33(5):480–4 (Eng. Abstr.) **(Cze)**
[Basic data in informatics illustrated by their application in surgery] Lambotte L. **Acta Chir Belg** 1986 Sep–Oct; 86(5):295–9 (Eng. Abstr.) **(Fre)**
[Computers and medico-surgical ethics] Roger FH. **Acta Chir Belg** 1986 Sep–Oct;86(5):291–4 (Eng. Abstr.) **(Fre)**
[Expert management system in medical imaging] Lardennois B, et al. **Acta Urol Belg** 1987;55(1):130–3 **(Fre)**
[Epistemology of the uncertain in urologic imaging. Threshold of a signal, yield of an exploration, and ROC (receiving operating curves)] Lardennois B, et al. **Acta Urol Belg** 1987;55(1):122–9 **(Fre)**
[Various applications of personal computers in the daily practice of the ophthalmologist] Budo CJ. **Bull Soc Belge Ophtalmol** 1985;216 Pt 2:35–7 **(Fre)**
[The value of computerized perimetry using the Peritest] Mathys B, et al. **Bull Soc Belge Ophtalmol** 1985;216 Pt 2:39–51 **(Fre)**
[Data processing and evaluation of therapies] Bocksberger JP. **Rev Med Suisse Romande** 1986 Dec;106(12):1149–54 **(Fre)**
[Electronics in internal medicine] Dzúrik R. **Vnitr Lek** 1987 May;33(5):472–9 (Eng. Abstr.) **(Slo)**

MEDICAL INFORMATICS COMPUTING

Papers presented at the meeting "Medical Informatics in Anesthesia and Intensive Care". Brussels, October 11, 1986. **Acta Anaesthesiol Belg** 1987;38(1):1–75
Computer-aided quality assurance. A critical appraisal. Haynes RB, et al. **Arch Intern Med** 1987 Jul; 147(7):1297–301
Computers in rheumatology. Thould AK, et al. **Br J Rheumatol** 1987 Feb;26(1):43–5
Computerized records in clinical cardiology. Lesser MF. **J Am Coll Cardiol** 1986 Oct;8(4):941–8
Laboratory medicine in the age of information. Lincoln TL, et al. **West J Med** 1986 Dec;145(6):840–2

MEDICAL INFORMATION SCIENCE see **MEDICAL INFORMATICS**

MEDICAL MISSIONS, OFFICIAL

[Round table: The new regulation for public assistance in development: remarks concerning health care cooperation] **Ann Ist Super Sanita** 1987;23(3):689–712 **(Ita)**

HISTORY

The Syrian Medical Aid Association: British philanthropy in the Near East. Kass AM. **Med Hist** 1987 Apr; 31(2):143–59

MEDICAL OFFICE BUILDINGS see under **HEALTH FACILITIES**

MEDICAL ONCOLOGY

see related
NEOPLASMS

To meet spiritual needs of the cancer patient—a responsibility for the oncologist? [letter] Fosså SD. **Acta Oncol** 1987 Jan–Feb;26(1):75–6
Pediatric resident objectives for hematology/oncology. Lascari AD, et al. **Am J Pediatr Hematol Oncol** 1986 Fall;

8(3):245–7
The role of the surgical oncologist in the community hospital. Dembrow VD. **Arch Surg** 1986 Nov;121(11):1231–2
Quality of life: methodological aspects. Van Dam F. **Bull Cancer (Paris)** 1986;73(5):607–13
Eponyms in oncology. Cuthbert Esquire Dukes (1890–1977). **Eur J Surg Oncol** 1987 Feb;13(1):77
Oncological surgery—to be or not to be [letter] Stephens FO. **Eur J Surg Oncol** 1987 Feb;13(1):79
Effects of patient management guidelines on physician practice patterns: the Community Hospital Oncology Program experience [letter] Feldman MI. **J Clin Oncol** 1987 Aug;5(8):1300
The surgeon's future role in the conquest of cancer. Hutchinson WB. **J Surg Oncol** 1987 Feb;34(2):73–5
Medical expert systems—knowledge tools for physicians. Shortliffe EH. **West J Med** 1986 Dec;145(6):830–9
[Objectives of the study of the quality of life in oncology] Zittoun R. **Bull Cancer (Paris)** 1986;73(5):601–6 (Eng. Abstr.) **(Fre)**
[The Documentation Service of the National Cancer Research Institute: its organization and affiliations] Ugolini D. **Ann Ist Super Sanita** 1986;22(4):1277–9 **(Ita)**
[Multifactorial models of experimental and clinical oncology] Glazkova TG. **Vestn Akad Med Nauk SSSR** 1986;(9):78–84 (Eng. Abstr.) **(Rus)**
Use in oncological research of a model program package, "Statistical analysis of medical information" Stefanenko FA. **Vopr Onkol** 1986;32(12):61–6 **(Rus)**

ECONOMICS

Bone scintigraphy in oncology: an update with emphasis on efficacy and cost–effectiveness. Pauwels EK, et al. **Diagn Imag Clin Med** 1986;55(6):314–20 (28 ref.)

EDUCATION

Surgical oncology: the time for action. Clunie GJ. **Aust NZ J Surg** 1986 Dec;56(12):885–6
Postgraduate training in radiation oncology in the United States, 1986. Cox JD, et al. **Int J Radiat Oncol Biol Phys** 1987 Sep;13(9):1383–8
Critique of "Essentials and guidelines for radiation oncology residency training programs" [letter] Orton CG, et al. **Int J Radiat Oncol Biol Phys** 1987 Jun;13(6):945
Status of radiation oncology in the curriculum of American medical schools [letter] Wall TJ. **Int J Radiat Oncol Biol Phys** 1987 Sep;13(9):1431
[Clinical judgment and decision, pedagogy and practice] Lacronique JF. **Bull Cancer (Paris)** 1987;74(1):58–65 (Eng. Abstr.) **(Fre)**
[Organizational forms of oncological training for general practitioners] Sidorenko IuS, et al. **Vopr Onkol** 1987; 33(1):95–8 (Eng. Abstr.) **(Rus)**
[Approaches to improving the teaching of oncology in medical schools (based on the experience of medical schools in Siberia and the far East)] Zyrianov BN, et al. **Vopr Onkol** 1986;32(9):57–60 (Eng. Abstr.) **(Rus)**
[Teaching medical oncology in medical education (editorial)] García–Conde J. **Rev Clin Esp** 1987 Apr;180(7):349–51 **(Spa)**

HISTORY

Development of pediatric oncology in Australia. Colebatch JH. **Am J Pediatr Hematol Oncol** 1985 Summer;7(2):175–82
A historical outline of the development of cancer cytogenetics. Hsu TC. **Cancer Genet Cytogenet** 1987 Sep; 28(1):5–26 (95 ref.)
The Moscow Cancer Research Institute. Shimkin MB. **Cancer Res** 1987 Jul 15;47(14):preceding 3613
European Society of Surgical Oncology [editorial] Michel G. **Eur J Surg Oncol** 1987 Jun;13(3):187–8
50 years National Cancer Institute 1937–1987...making a difference. Semicentennial celebration.May 26, 1987, Bethesda, Maryland. **JNCI** 1987 May;78(5):1001–52
My personal impressions at the National Cancer Center Research Institute during my 4 months' stay as a fellow of the Foundation for Promotion of Cancer Research, 1986 [letter] Issinger OG. **Jpn J Cancer Res** 1987 May; 78(5):526–7
[10 years of the AIO. Working Group for Internal Oncology of the German Cancer Society] **Onkologie** 1986 Oct;9 Suppl 2:1–64 **(Ger)**
[The contribution of Polish gynecologists to the control of female genital neoplasms] Kazanowska W, et al. **Ginekol Pol** 1986 Sep;57(9):626–30 (Eng. Abstr.) **(Pol)**
[History of the organization of 1st Russian societies for the prevention of cancer] Guslitser LN. **Vopr Onkol** 1987; 33(5):95–102 **(Rus)**
[History of the All–Union Congress of Oncologists] Pozharisskiĭ KM, et al. **Vopr Onkol** 1986;32(11):8–17 **(Rus)**

INSTRUMENTATION

[Use of the microcalculator for statistical data processing in oncological practice] Gushchin VA, et al. **Vopr Onkol** 1987; 33(6):89–96 **(Rus)**

MANPOWER

The manpower crisis facing radiation oncology. Davis LW, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1873–8
What's the glut [editorial] Fuller DE. **Int J Radiat Oncol Biol Phys** 1986 Nov;12(11):2051

METHODS

Performance status assessment among oncology patients: a review. Orr ST, et al. **Cancer Treat Rep** 1986 Dec; 70(12):1423–9 (30 ref.)
[Diagnosis of malignancies in the head and neck area: impasse or progress? From the viewpoint of the radio–oncologist] Breit A, et al. **Strahlenther Onkol** 1987 Aug;163(8):505–10 (Eng. Abstr.) **(Ger)**

STANDARDS

Effects of patient management guidelines on physician practice patterns: the Community Hospital Oncology Program experience. Ford LG, et al. **J Clin Oncol** 1987 Mar;5(3):504–11
The other CHOP [editorial] Moertel CG. **J Clin Oncol** 1987 Mar;5(3):337–8

TRENDS

Emergence of pediatric hematology/oncology as an independent specialty. Pochedly C. **Am J Pediatr Hematol Oncol** 1985 Summer;7(2):183–90
Oncologists have lost a battle against cancer; biomedicine has not lost the war. Mathé G. **Biomed Pharmacother** 1986; 40(10):370–1
Progress in genitourinary cancer. Murphy GP, et al. **Cancer** 1987 Aug 1;60(3 Suppl):437–8
The Diet and Cancer Branch, NCI: current projects and future research directions. Butrum RR, et al. **Prog Clin Biol Res** 1986;222:773–88 (20 ref.)
Viral oncology: 75 years of progress. Rauscher FJ Jr. **Wis Med J** 1986 Oct;85(10):30–1
[Special supportive measures in pediatric oncology] Niethammer D. **Klin Padiatr** 1987 May–Jun;199(3):127–30 **(Ger)**
[Appraisal of the status of pediatric oncology in West Germany] Riehm H. **Klin Padiatr** 1987 May–Jun; 199(3):131–2 **(Ger)**
[The development of oncology in the last decade] Hossfeld DK. **Onkologie** 1986 Oct;9 Suppl 2:6–7 **(Ger)**

MEDICAL PSYCHOLOGY see **PSYCHOLOGY, MEDICAL**

MEDICAL RECORD ADMINISTRATORS

Medical records automation comes up to speed. Packer CL. **Hospitals** 1986 Oct 20;60(20):98–9

MEDICAL RECORD LINKAGE see under **MEDICAL RECORDS**

MEDICAL RECORDS

see related
MEDICAL HISTORY TAKING

Application of microcomputers for recording of patients in the emergency department. Askenasi R, et al. **Acta Anaesthesiol Belg** 1987;38(1):17–22
Acute head injury. Management charts. Lindgren S. **Acta Neurochir [Suppl] (Wien)** 1986;36:95–102
The value of a worksheet in body–CT examinations [letter] Hunter TB. **AJR** 1987 May;148(5):1060
Effect of medical records' checklists on implementation of periodic health measures. Cheney C, et al. **Am J Med** 1987 Jul;83(1):129–36
Discharge score for surgical outpatients. Mortensen M, et al. **Am J Nurs** 1986 Dec;86(12):1347–9
Worth a thousand words—an illustration after ear surgery. McDaniel AB, et al. **Am J Otol** 1987 Jan;8(1):39
Reliability of reporting nosocomial infections in the discharge abstract and implications for receipt of revenues under prospective reimbursement. Massanari RM, et al. **Am J Public Health** 1987 May;77(5):561–4
Computerized recording of visits to an outpatient sports clinic. Kannus P, et al. **Am J Sports Med** 1987 Jan–Feb; 15(1):79–85
Problems with automating anaesthetic records. Roessler P, et al. **Anaesth Intensive Care** 1986 Nov;14(4):443–7
Early use of the Cushing–Codman anesthesia record [letter] Wright AJ. **Anesthesiology** 1987 Jan;66(1):92
Computerized display of past test results. Effect on outpatient testing. Tierney WM, et al. **Ann Intern Med** 1987 Oct; 107(4):569–74
When patient OR records are missing. Murphy EK. **AORN J** 1986 Dec;44(6):1016–9
Record linkage. A powerful tool for epidemiologic analysis [editorial] Stern RS. **Arch Dermatol** 1986 Dec; 122(12):1383–4
DSM–III and clinically identified problems as a guide to treatment. Longabaugh R, et al. **Arch Gen Psychiatry** 1986 Nov;43(11):1097–103
HMRI and care appraisal. McLean B. **Aust Clin Rev** 1986 Jun;6(21):107–9
The role of record linkage in post–marketing drug surveillance. Crombie IK. **Br J Clin Pharmacol** 1986;22 Suppl 1:77S–82S
The Newbury Maternity Care Study: a randomized controlled trial to assess a policy of women holding their own obstetric records. Elbourne D, et al. **Br J Obstet Gynaecol** 1987 Jul;94(7):612–9
In whose interest is access to medical records withheld? [editorial] Lovell A. **Br J Obstet Gynaecol** 1987 Jul; 94(7):609–11
Disclosure of medical records in litigation. Dyer C. **Br Med J [Clin Res]** 1986 Nov 15;293(6557):1298
Can patients benefit from reading copies of their doctors' letters about them? Gill MW, et al. **Br Med J [Clin Res]** 1986 Nov 15;293(6557):1278–9
Case note chaos: prevention is better than cure. Hutchison SM. **Br Med J [Clin Res]** 1987 Mar 28;294(6575):813–4
Opposition to divulging patient information [letter] Richardson S. **Br Med J [Clin Res]** 1986 Dec 13; 293(6561):1572
Create and maintain an age–sex register. Sullivan FM, et al. **Br Med J [Clin Res]** 1987 Jul 11;295(6590):99–100
Development of a simplified perinatal clinical record. **Bull Pan Am Health Organ** 1986;20(1):75–88
Computer terminals: the new bedside manner at the Toronto Hospital [news] Arnoti B. **Can Med Assoc J** 1987 Aug 1; 137(3):189–90
Linking maternity and neonatal discharge records. Smalls M, et al. **Community Med** 1987 May;9(2):171–5
Assessing pulmonary function in acute respiratory insufficiency: a clinical charting sheet. Peirce EC 2d. **Crit Care Med** 1987 Jul;15(7):696–8
Chart audit of ambulatory care in a residency program: a comprehensive system. Crosby JT. **Fam Med** 1985 Jan–Feb; 17(1):17–20
Documenting resident experience. Daugherty JE, et al. **Fam Med** 1986 Sep–Oct;18(5):306–7
The impact of a health screening flow sheet on the performance and documentation of health screening procedures. Prislin MD, et al. **Fam Med** 1986 Sep–Oct; 18(5):290–2
The use of a combined prescription kardex/pass medication sheet in long–stay hospitals. Jackson MP, et al. **Health Bull (Edinb)** 1987 May;45(3):129–35
Clinician–entered computerized psychiatric triage records. Chang MM. **Hosp Community Psychiatry** 1987 Jun; 38(6):652–6
Medical records make bumpy outpatient transition. Riffer J. **Hospitals** 1986 Oct 20;60(20):74
A method for the control of patient data in a clinical study [letter] Abratt RP. **Int J Radiat Oncol Biol Phys** 1987 Feb; 13(2):289–90
Computerized records in clinical cardiology. Lesser MF. **J Am Coll Cardiol** 1986 Oct;8(4):941–8
Advanced directives to limit treatment: the need for portability [editorial] Miles SH. **J Am Geriatr Soc** 1987 Jan;35(1):74–6
An individually designed database for medical photographic records. Pike BH. **J Audiov Media Med** 1986 Jul; 9(3):108–11
Computerized case records for the office. Hyams S. **J Cataract Refract Surg** 1987 Jul;13(4):447–9
An anesthesia information system for monitoring and record keeping during surgical anesthesia. Klocke H, et al. **J Clin Monit** 1986 Oct;2(4):246–61
The other CHOP. **J Clin Oncol** 1987 Jul;5(7):1127–9
A computer summary for general practice medical records: MEDSUM. Bridges–Webb C. **J Fam Pract** 1986 Oct; 23(4):389–92
The computer in the consultation. Carson NE, et al. **J Fam Pract** 1986 Nov;23(5):497–9
A microcomputer–based computerized medical record system for a general practice teaching clinic. Chan DH, et al. **J Fam Pract** 1987 May;24(5):537–41
The impact of shared medical records on smoking awareness and behavior in ambulatory care. Bronson DL, et al. **J Gen Intern Med** 1986 Jan–Feb;1(1):34–7
Practice–based research in geriatrics by general internists. Larson EB. **J Gen Intern Med** 1986 Jul–Aug;1(4 Suppl):S42–4
Research uses of computer–stored practice records in general medicine. McDonald CJ, et al. **J Gen Intern Med** 1986 Jul–Aug;1(4 Suppl):S19–24
Concordance of the ambulatory medical record and patients' recollections of aspects of an ambulatory new–patient visit. Ramsdell JW. **J Gen Intern Med** 1986 May–Jun;1(3):159–62
Medical students' and residents' data analysis in patient progress notes. Powell GF, et al. **J Med Educ** 1987 Jul; 62(7):606–7
Portable and desktop microcomputers for patient care charting. Ash SR, et al. **J Med Syst** 1986 Aug;10(4):361–73
Automated medical office records. Gabrieli ER. **J Med Syst** 1987 Feb;11(1):59–68
The use of daily fetal movement records in a clinical setting. Gantes M, et al. **J Obstet Gynecol Neonatal Nurs** 1986 Sep–Oct;15(5):390–3
Should baccalaureate psychiatric nursing students have full access to patient charts? McDaniel C. **J Psychosoc Nurs Ment Health Serv** 1987 Apr;25(4):34–7
Patients' access to their records [letter] Gittens M. **J R Coll Gen Pract** 1986 Jun;36(287):290
Patient–held records: censoring of information by doctors. Jones RB, et al. **J R Coll Physicians Lond** 1987 Jan; 21(1):35–8
Confidentiality and the use of medical records for research [editorial] Knox EG. **J R Coll Physicians Lond** 1986 Oct;

20(4):234
Computer-based medical record systems—have they come of age? Young DW. **J R Coll Physicians Lond** 1987 Apr; 21(2):99–101
Should the JRSM publish more case reports? Discussion paper. David TJ. **J R Soc Med** 1986 Sep;79(9):541–3
An improved system for reporting congenital malformations. Minton SD, et al. **JAMA** 1986 Dec 5;256(21):2976–9
A new ultrasound annotation and report card system. Gibson RN, et al. **JCU** 1987 Jan;15(1):71–3
Access to personal medical records [letter] **Lancet** 1987 Jan 24;1(8526):220–1
Patients reading their notes [letter] Blau JN. **Lancet** 1987 Jan 3;1(8523):45
Psychiatric patients and their notes [letter] Frankel M. **Lancet** 1987 Jan 17;1(8525):162–3
Confidentiality of pre-employment health screening [letter] Mariner A, et al. **Lancet** 1986 Dec 6;2(8519):1337
Medical records and clinical databases: what is the difference? Blois MS. **MD Comput** 1984;1(3):24–8
Choosing office practice systems for billing, accounting, and medical record functions. Felts WR. **MD Comput** 1984; 1(3):10–7
A convenient portable patient information database. Fuentes F. **MD Comput** 1986 Mar–Apr;3(2):35–9
Computerizing text from office records. Gabrieli ER. **MD Comput** 1987 May–Jun;4(3):44–9, 56
Computers in the examining room, the delivery room, and the nursery. Jelovsek FR. **MD Comput** 1984;1(2):52–8, 65
The search for national standards for medical data exchange [editorial] McDonald CJ. **MD Comput** 1984;1(1):3–4
Optical storage media for medical records and literature [editorial] McDonald CJ. **MD Comput** 1985 May–Jun; 2(3):5–6
Computer-stored medical records: their time is nigh [editorial] McDonald CJ. **MD Comput** 1987 Jan–Feb; 4(1):7–8
Computer records 1990 [editorial] McDonald CJ. **MD Comput** 1986 Jan–Feb;3(1):6–7
Error control in medical data. Schwartz RJ, et al. **MD Comput** 1985 Mar–Apr;2(2):19–25
Computerized medical records for resident training clinics. Shrader JA, et al. **MD Comput** 1987 May–Jun;4(3):16–21
SmartChart. Zucconi G. **MD Comput** 1987 May–Jun; 4(3):39–43
Acceptance and use of patient-carried health records. Giglio RJ, et al. **Med Care** 1986 Dec;24(12):1084–92
The appropriateness of using a medical procedure. Is information in the medical record valid? Kosecoff J, et al. **Med Care** 1987 Mar;25(3):196–201
Personal computer program for processing data from patients with colo-rectal cancer. Karouji S, et al. **Med Inf (Lond)** 1987 Jan–Mar;12(1):33–42
An automated procedure for determining patient numbers from episode of care records. Tyndall RM, et al. **Med Inf (Lond)** 1987 Apr–Jun;12(2):137–46
Histology of skin lesions [letter] Orr KB. **Med J Aust** 1986 Nov 17;145(10):550
The electronic hospital chart and the right to privacy. Feldberg M. **Med Law** 1986;5(4):289–92
Computerization of the patient history—patient answers compared with medical records. Quaak MJ, et al. **Methods Inf Med** 1986 Oct;25(4):222–8
Malpractice claim review. Corporate policy. Sanders PS. **Minn Med** 1987 Apr;70(4):235
Clinical confidentiality: dilemmas and guidelines. Hankoff LD, et al. **NJ Med** 1986 Oct;83(10):655–9
Maintenance and release of medical records. Kern SI. **NJ Med** 1986 Oct;83(10):649–50
Medical record ownership in a professional medical corporation (letter). Moy DR. **NY State J Med** 1986 Oct; 86(10):541
Opening patient records to the public could hamper quality medical care [editorial] Strasser AL. **Occup Health Saf** 1987 Mar;56(3):41
A comprehensive, automated, record-keeping system for the orthopedic office. Gilmore GH, et al. **Orthop Clin North Am** 1986 Oct;17(4):553–65
Use of the computer for medical records. Haralson RH. **Orthop Clin North Am** 1986 Oct;17(4):549–51
The human element in the design of computer-assisted orthopedic inpatient medical record systems. Kuslich SD, et al. **Orthop Clin North Am** 1986 Oct;17(4):527–39
Orthopedic office medical records using COSTAR. McManus JG. **Orthop Clin North Am** 1986 Oct; 17(4):581–90
What you don't record can hurt you: documentation in the emergency department. Fosarelli P, et al. **Pediatr Emerg Care** 1985 Dec;1(4):223–7
Child abuse diagnosis and the emergency department chart. Johnson CF, et al. **Pediatr Emerg Care** 1986 Mar;2(1):6–9
What you don't record can hurt you: documentation in the emergency department [letter] Kettrick RG. **Pediatr Emerg Care** 1986 Mar;2(1):64–5
Brief psychiatric rating scale for children: quantitative scoring of medical records. Mullins D, et al. **Psychiatry Res** 1986 Sep;19(1):43–9
Documentation of hospice care plan development and team meetings. Herzog KR. **QRB** 1985 Jun;11(6):190–2
Speech-controlled generation of radiology reports. Robbins AH, et al. **Radiology** 1987 Aug;164(2):569–73
The 'Road to Health' card in a paediatric outpatient department. Donald PR, et al. **S Afr Med J** 1987 Sep 5; 72(5):356
Age, period and cohort models: the use of individual records. Robertson C, et al. **Stat Med** 1986 Sep–Oct;5(5):527–38
Is a case report an anecdote? In defense of personal observations in medicine. Coccia CT, et al. **Surg Neurol** 1987 Aug;28(2):111–3
Antenatal card for illiterate traditional birth attendants. Chabot HT, et al. **Trop Doct** 1986 Apr;16(2):75–8
The Medical Gopher—a microcomputer system to help find, organize and decide about patient data. McDonald CJ, et al. **West J Med** 1986 Dec;145(6):823–9
[The physician and the computer. 5. Text processing] Kasal P, et al. **Cesk Pediatr** 1987 May;42(5):295–7 (Eng. Abstr.) **(Cze)**
[Medical records—clinical aspects] Gjørup T. **Nord Med** 1987;102(3):95–7 (Eng. Abstr.) **(Dan)**
[Epicrises. A study from general practice] Olesgaard P, et al. **Ugeskr Laeger** 1987 Jun 15;149(25):1699–701 (Eng. Abstr.) **(Dan)**
[A law on publicity in administration. An anticipatory analysis] Skovdal J, et al. **Ugeskr Laeger** 1987 Mar 2; 149(10):685–7 (Eng. Abstr.) **(Dan)**
[Insight into medical records. Present experiences from the Slagelse General Hospital] Trier H. **Ugeskr Laeger** 1987 Jun 22;149(26):1777–8 **(Dan)**
[Current developments in the right to examine records] Hubben JH. **Ned Tijdschr Geneeskd** 1987 Jul 11; 131(28):1228–30 **(Dut)**
[The surgical record in a computerized hospital environment] Milani H. **Acta Chir Belg** 1986 Sep–Oct;86(5):306–14 (Eng. Abstr.) **(Fre)**
[Computers and medico-surgical ethics] Roger FH. **Acta Chir Belg** 1986 Sep–Oct;86(5):291–4 (Eng. Abstr.) **(Fre)**
[Reflections on the micro-processor health card] Lortat-Jacob JL. **Bull Acad Natl Med (Paris)** 1987 Feb; 171(2):189–93 **(Fre)**
[A computerized file for the surveillance of diabetic patients: the MELLITEE system] Billault B, et al. **Diabete Metab** 1987 Apr;13(2):129–34 (Eng. Abstr.) **(Fre)**
[The matter of computerized medical records in psychiatry] Cialdella P, et al. **Encephale** 1986 Jul–Aug;12(4):155–60 (Eng. Abstr.) **(Fre)**
[The vocal record] Heuillet-Martin G. **Rev Laryngol Otol Rhinol (Bord)** 1986;107(4):307–8 (Eng. Abstr.) **(Fre)**
[Record linkage: a technic in drug surveillance] Péré JC, et al. **Therapie** 1987 Jan–Feb;42(1):59–62 (Eng. Abstr.) **(Fre)**
[Recording of anesthesia and recovery phase with a new integrated anesthesia record] Diemer WA, et al. **Anaesthesist** 1986 Aug;35(8):516–20 (Eng. Abstr.) **(Ger)**
[Erlangen ophthalmologic records] Naumann GO, et al. **Klin Monatsbl Augenheilkd** 1987 May;190(5):447–9 **(Ger)**
[Problems with electronic data processing in the practice of an established otorhinolaryngologist] Thoma J. **Laryngol Rhinol Otol (Stuttg)** 1987 Apr;66(4):221–3 (Eng. Abstr.) **(Ger)**
[Current components of the oncology information system MADOS] Eberhardt HJ, et al. **Radiobiol Radiother (Berl)** 1986;27(6):739–46 (Eng. Abstr.) **(Ger)**
[Occupational medicine fitness and control studies 1983–1985—review and results of computer-aided assessment] Enderlein G, et al. **Z Gesamte Hyg** 1987 May; 33(5):230–6 (Eng. Abstr.) **(Ger)**
[Problems in documentation in gynecologic ultrasound consultation. A computer-aided system of documentation] Günterberg K, et al. **Zentralbl Gynakol** 1986;108(13):813–22 (Eng. Abstr.) **(Ger)**
[A follow-up sheet for intensive care units] Gurman G, et al. **Harefuah** 1987 Apr 1;112(7):324–6 (Eng. Abstr.) **(Heb)**
[Processing histological findings with the Commodore 64 home computer] Iványi A, et al. **Morphol Igazsagugyi Orv Sz** 1987 Jul;27(3):196–9 (Eng. Abstr.) **(Hun)**
[Computerized system for filing clinical data and the automated preparation of reports on surgical patients] Galeone M, et al. **Minerva Chir** 1987 May 15;42(9):829–34 (Eng. Abstr.) **(Ita)**
[Proposal for the computerized filing of data drawn from clinical charts in a surgery unit] Saviano MS, et al. **Minerva Chir** 1987 Mar 31;42(6):555–70 (Eng. Abstr.) **(Ita)**
[Computerized management of a pediatric ambulatory care record file] Olivani P, et al. **Minerva Pediatr** 1987 Jun 30; 39(11–12):507–8 (Eng. Abstr.) **(Ita)**
[A method of managing data items for individual patients in a tabular database] Okada M, et al. **Iyodenshi To Seitai Kogaku** 1986 Dec;24(7):530–4 (Eng. Abstr.) **(Jpn)**
[A method for archiving patient data in free-sized records] Okada M, et al. **Iyodenshi To Seitai Kogaku** 1986 Dec; 24(7):535–6 **(Jpn)**
[Problems related to computerizing medical documentation] Janecki J. **Pol Tyg Lek** 1986 Aug 11;41(32):1022–4 (Eng. Abstr.) **(Pol)**
[Medical documentation as an object of forensic medical expert examination] Kontsevich IA, et al. **Klin Khir** 1987; (5):35–8 **(Rus)**
[Introduction of a unified registration and report form as the primary medical document and statistical processing by a computer at a polyclinic] Dopytaev AP. **Sov Zdravookhr** 1987;(2):50–4 (Eng. Abstr.) **(Rus)**
[Routing of primary medical documentation used in polyclinics in decentralized and centralized record-keeping systems and in using computers] Dopytaev AP. **Sov Zdravookhr** 1987;(3):44–9 **(Rus)**
[A single alphanumeric designation for medical records in automated systems for dispensarization of the population] Markovskiĭ SA, et al. **Sov Zdravookhr** 1987;(1):35–7 (Eng. Abstr.) **(Rus)**
[Searching and using patent information in the scientific research of a medical institute] Kozhukhar' IG, et al. **Vrach Delo** 1987 May;(5):118–9 **(Rus)**
[Improving documentation in general medicine] Klimo F, et al. **Cesk Zdrav** 1987 Jan;35(1):23–9 (Eng. Abstr.) **(Slo)**
[Medicolegal problems in the storage and custody of clinical records. An intellectual property] Luna A, et al. **Med Clin (Barc)** 1987 Apr 26;88(16):631–2 **(Spa)**
[Procedural problems in the use of the clinical history] Luna A, et al. **Med Clin (Barc)** 1986 Nov 22;87(17):717–8 **(Spa)**
[The right of the patient to obtain his medical records] Luna A, et al. **Med Clin (Barc)** 1987 Jan 17;88(2):59–60 **(Spa)**
[The structured medical record and the physician's orders in orthopedics provides many advantages] Norlin R, et al. **Lakartidningen** 1987 May 6;84(19):1676–7 **(Swe)**

LEGISLATION & JURISPRUDENCE

Release of medical records without patient authorization? Greene R. **J Med Assoc Ga** 1986 Dec;75(12):728–9
Physicians and medical records—a necessary evil? Hirsh HL. **Med Law** 1987;6(2):79–90

STANDARDS

Medical audit in geriatric medicine. Dunn RB, et al. **Age Ageing** 1987 Jul;16(4):225–8
Documentation of perioperative nursing care. AORN Recommended Practices Subcommittee. **AORN J** 1987 Mar;45(3):777–83
Developing a documentation form for surgeons' intraoperative verbal orders. Irvin E. **AORN J** 1986 Nov; 44(5):860–1
A case audit of acute severe asthma in children. Dawson KP, et al. **Aust Clin Rev** 1986 Dec;6(23):200–3
Criteria audit of anaesthetic records. Gaylard D, et al. **Aust Clin Rev** 1986 Dec;6(23):220–1
Case notes chaos [letter] Hamlyn AN. **Br Med J [Clin Res]** 1987 May 2;294(6580):1161
Development of a universal and uniform technique for the collection of data [letter] **Can Anaesth Soc J** 1968 Jan; 15(1):96–7
Use of patient data for quality control. Cembrowski GS. **Clin Lab Med** 1986 Dec;6(4):715–33 (19 ref.)
Open prospective recording: how is the doctor influenced? Nylenna M. **Fam Pract** 1986 Dec;3(4):240–5
A simple automatic record of oxygenation and ventilation with a pulse oximeter and a carbon dioxide monitor. Block FE Jr, et al. **J Clin Monit** 1986 Oct;2(4):289–91
Underdocumentation of benzodiazepine prescriptions in a general medicine clinic. Buchsbaum DG, et al. **J Gen Intern Med** 1986 Sep–Oct;1(5):305–8
Residents' underdocumentation in elderly patients' records of prescriptions for benzodiazepine. Buchsbaum DG, et al. **J Med Educ** 1987 May;62(5):438–40
Faculty assessments of case reports of medical students. McLeod PJ. **J Med Educ** 1987 Aug;62(8):673–7
How bad are medical records? A review of the notes received by a practice. Mansfield BG. **J R Coll Gen Pract** 1986 Sep;36(290):405–6
Occupational health record systems—an ideal approach. Gill FS. **J Soc Occup Med** 1987 Summer;37(2):55–8
It looked sooo simple! Avery JK. **J Tenn Med Assoc** 1987 Apr;80(4):225–6
Shared records and patient care [letter] Barber SG, et al. **Lancet** 1987 Apr 11;1(8537):865
Pneumonia—the quality of medical records data. Marrie TJ, et al. **Med Care** 1987 Jan;25(1):20–4
Medical records [letter] Harris C. **NJ Med** 1987 Feb;84(2):149
The 'Road to Health' card and immunisation records. Crisp NG, et al. **S Afr Med J** 1987 Sep 5;72(5):331–3
[Professional secrets in the face of notebooks and health cards] René L. **Bull Acad Natl Med (Paris)** 1986 Nov; 170(8):1065–71 (Eng. Abstr.) **(Fre)**

MEDICAL RECORDS DEPARTMENT, HOSPITAL see under **HOSPITAL DEPARTMENTS**

MEDICAL RECORDS, PROBLEM ORIENTED see under **MEDICAL RECORDS**

MEDICAL SOCIOLOGY see **SOCIOLOGY, MEDICAL**

MEDICAL STAFF

Evaluation of a laboratory system intended for use in physicians' offices. II. Reliability of results produced by health care workers without formal or professional

laboratory training. Belsey R, et al. **JAMA** 1987 Jul 17; 258(3):357–61

HIV and health care staff [letter] Fenton PA. **Lancet** 1987 Aug 29;2(8557):519

Prejudice not condoms [editorial] Smith R. **Med J Aust** 1987 Sep 21;147(6):288–9

[Manual of brachytherapy sources. III. Practice of radiation protection for therapeutic uses using small sealed radioactive sources. (2). Protection of medical staffs] Maruyama T, et al. **Radioisotopes** 1987 May;36(5):247–52 **(Jpn)**

[Endoscopy for the patient with AIDS (letter)] Gallo Reynoso S, et al. **Rev Gastroenterol Mex** 1987 Apr–Jun; 52(2):133–5 **(Spa)**

EDUCATION

Medical staff in training to become consultant physicians with an interest in diabetes. Turner RC, et al. **Diabetic Med** 1984 Jul;1(2):131–4

ORGANIZATION & ADMINISTRATION

Teamwork in Sri Lankan general practice. Varnam M. **Fam Pract** 1987 Jun;4(2):129–33

MEDICAL STAFF, HOSPITAL

Morbidity and early retirement among anaesthetists and other specialists. McNamee R, et al. **Anaesthesia** 1987 Feb; 42(2):133–40

Exposure to ionizing radiation in the emergency department from commonly performed portable radiographs. Grazer RE, et al. **Ann Emerg Med** 1987 Apr;16(4):417–20

Management of varicella–zoster virus–exposed hospital employees. Sayre MR, et al. **Ann Emerg Med** 1987 Apr; 16(4):421–4

A new look at clinical privileges for procedures. Hildreth EA. **Ann Intern Med** 1987 Oct;107(4):585–7

Hospital privileges and quality assurance. Tough IC. **Aust Clin Rev** 1986 Jun;6(21):69–73

What is a good consultant? The ideal from a manager's point of view. Griffiths PA. **Br Med J [Clin Res]** 1987 Jun 13; 294(6586):1541

Doctors have no time for alcohol screening. Rowland N, et al. **Br Med J [Clin Res]** 1987 Jul 11;295(6590):95–6

Collaboration, not co–optation. Fried BJ. **Can Med Assoc J** 1986 Oct 1;135(7):733–6

Hospital privileges: speak softly, but carry a big lawyer. Chenen AR. **Conn Med** 1986 Aug;50(8):541–3

Hospital liability in malpractice cases for negligence in the granting and renewal of medical staff membership and clinical privileges. Eisner JM. **Conn Med** 1986 Aug; 50(8):519–20

Wetaskiwin physicians manage bed allocations. Langelle P. **Dimens Health Serv** 1987 Feb;64(1):28–30

Medical manpower planning/impact analysis. Langstaff JH. **Dimens Health Serv** 1987 Feb;64(1):31–3

Physicians and administrators must give up old ways of thinking. Ward TF. **Dimens Health Serv** 1987 Feb;64(1):24

Documenting resident experience. Daugherty JE, et al. **Fam Med** 1986 Sep–Oct;18(5):306–7

A model of computer documentation of hospital specialty rotations. O'Brien DK, et al. **Fam Med** 1986 Sep–Oct; 18(5):282–6

Medical staffing in the National Health Service in Scotland. Ferguson JB. **Health Bull (Edinb)** 1986 Nov;44(6):341–50

Junior hospital doctors' 'promotion prospects'. Ferguson JB. **Health Bull (Edinb)** 1987 Jan;45(1):25–6

Viewpoint: why a medical staff marketing committee is needed. Johnson EA. **Health Care Manage Rev** 1987 Winter;12(1):87–91

Increased physician input into QA predicted. Burda D. **Hospitals** 1987 Sep 20;61(18):34

Hospital and staff team up for mutual benefit [interview by Myk Cherskov] Hawthorne D. **Hospitals** 1986 Oct 5; 60(19):126–7

How much revenue does a physician bring in? Nelson S. **Hospitals** 1987 Jun 5;61(11):56

CEOs cite ways to improve medical staff relations. Newald J. **Hospitals** 1987 Mar 20;61(6):114, 116

Quality, not ads, increase physician loyalty. Powills S. **Hospitals** 1987 Jun 20;61(12):56

Hospitals pursue new superstars: famous physicians. Riffer J. **Hospitals** 1986 Nov 20;60(22):78

Nonphysician privileges become an issue—again. Shahoda T. **Hospitals** 1987 Jan 20;61(2):93

Before you buy, take time to involve medical staff. Shahoda T. **Hospitals** 1987 Feb 20;61(4):76

Purchasing to spearhead marketing to physicians. Wilkinson R. **Hospitals** 1987 Jan 5;61(1):55

Nutritional knowledge of medical staff and students: is present education adequate? Brett A, et al. **Hum Nutr Appl Nutr** 1986 Jun;40(3):217–22

Acquired immunodeficiency syndrome: issues for hospitals and medical staffs [letter] Carr I. **IMJ** 1987 Aug;172(2):81

The acquired immunodeficiency syndrome. Issues for hospital and medical staffs. Lattimer AD. **IMJ** 1987 Jun; 171(6):379–81

Hepatitis B virus state among donors & hospital staff—a serological survey using different techniques. Joshi N, et al. **Indian J Med Res** 1986 Nov;84:511–5

Team effort. Myers K. **Iowa Med** 1986 Nov;76(11):512–3

Acute hepatitis B following gynaecological surgery. **J Hosp Infect** 1987 Jan;9(1):34–8

Instituting a clinical privileging process for nurses. Apostoles FE, et al. **J Nurs Adm** 1987 Jan;17(1):33–8

Professional behavior in collaborative practice. Koerner BL, et al. **J Nurs Adm** 1986 Oct;16(10):39–43

Hospital periodontics. A survey of hospital utilization by American Academy of Periodontology members. Hinrichs JE. **J Periodontol** 1986 Nov;57(11):663–71

Senior registrars' views on geriatric medicine. Knight PV. **J R Coll Physicians Lond** 1986 Oct;20(4):271–2

General practitioners and hospital doctors—the case for symbiosis [editorial] Sparrow G. **J R Coll Physicians Lond** 1987 Apr;21(2):90

Patient and house officer attitudes on physician attire and etiquette. Dunn JJ, et al. **JAMA** 1987 Jan 2;257(1):65–8

Junior doctors' hours: a 60–hour week is a real possibility. Flower P, et al. **Lancet** 1987 Jun 6;1(8545):1309

Hepatitis B vaccine for medical staff [letter] Gatley MS. **Lancet** 1986 Sep 20;2(8508):697

Patient's risk of hepatitis B infection from medical staff [letter] Hofmann H, et al. **Lancet** 1987 Jan 17; 1(8525):169–70

The Canadian community hospital. McConnon JK. **Lancet** 1987 Jan 31;1(8527):266–7

Impairment prevention at the hospital level. Pfifferling JH. **Md Med J** 1987 Mar;36(3):234–7

Divergent views of hospital staff in detecting hypertension in a district general hospital [letter] Cox J, et al. **Med Educ** 1987 May;21(3):277

Cardiopulmonary resuscitation skills of hospital medical and nursing staff members. Goucke CR, et al. **Med J Aust** 1986 Nov 17;145(10):496–7

Monitoring pre–registration house officer posts. Goldberg IJ, et al. **Med Teach** 1986;8(3):225–31

Dismissing a physician in mid–case [letter] Ragan JR. **Minn Med** 1987 May;70(5):297–8

Recent changes in physician–hospital CEO relationships. Weil TP. **NC Med J** 1987 Mar;48(3):148–51

Physicians, hospitals, and diagnosis related groups (DRGs): is control the issue? Rosenberg C. **NY State J Med** 1986 Aug;86(8):407–9

House officership—then and now [editorial] Glaser RJ. **Pharos** 1987 Winter;50(1):45

Effective attending physician teaching: the correlation of observed instructional activities and learner ratings of teaching effectiveness. Weinholtz D, et al. **Proc Annu Conf Res Med Educ** 1986;25:273–8

A study to identify who is the responsible physician for each patient in a teaching hospital. Rush JP, et al. **QRB** 1986 Dec;12(12):426–30

Nurses and physicians must interact for valid clinical research. Kirchhoff KT. **Res Nurs Health** 1987 Jun; 10(3):149–54

Strategies for enhancing collaboration between social workers and physicians. Abramson J, et al. **Soc Work Health Care** 1986 Fall;12(1):1–21

Peer review in Texas. A survey of medical staffs. Ross K. **Tex Med** 1987 Mar;83(3):91–3

A survey of hospital privileges for California family physicians. Werblun MN, et al. **West J Med** 1986 Oct; 145(4):556–8

[Non–white physicians in hospitals (letter)] van Schalkwyk WJ. **S Afr Med J** 1972 Jul 22;46(30):1063 **(Afr)**

[Cooperation between the general practice and the hospital—the 1st situation] Wagner O. **Wien Med Wochenschr** 1987 May 15;137(9):197–9 (Eng. Abstr.) **(Ger)**

[Housestaff guidelines for interpersonal relationships] Glick S. **Harefuah** 1986 Nov 16;111(10):347–9 **(Heb)**

[Optimization of working conditions for physicians and paramedical workers of large surgical hospitals] Kaptsov VA. **Gig Tr Prof Zabol** 1986 Aug;(8):36–40 (Eng. Abstr.) **(Rus)**

[Radiation exposure of the patient and personnel during punctures controlled by roentgenotelevision and computed tomography] Blokhina NG, et al. **Med Radiol (Mosk)** 1987 May;32(5):55–9 (Eng. Abstr.) **(Rus)**

ECONOMICS

Florida doctors use EDs as forum for malpractice. Cherskov M. **Hospitals** 1987 Feb 20;61(4):78

Physician payment plan sparks nationwide uproar. Firshein J. **Hospitals** 1987 Jan 20;61(2):21, 24

DRG payments for RAPs slated in '87. Firshein J. **Hospitals** 1987 Jan 20;61(2):26

New malpractice insurance plans in the making. Greene J. **Hospitals** 1986 Nov 5;60(21):78

Channeling programs aid MD–hospital cooperation. Holzer JF. **Hospitals** 1987 Apr 5;61(7):92

RAP researcher defends her proposal [interview by Myk Cherskov] Mitchell J. **Hospitals** 1987 Apr 20;61(8):114–5

Battle over RAP DRGs heats up even more. Nelson S. **Hospitals** 1987 Apr 20;61(8):78

Physician–income guarantees may jeopardize tax–exempt status. Riffer J. **Hospitals** 1986 Dec 20;60(24):58

EDUCATION

Malnutrition among hospitalized patients. A problem of physician awareness. Roubenoff R, et al. **Arch Intern Med** 1987 Aug;147(8):1462–5

Survey of training needs in patient education amongst hospital staff in NSW. Wise MJ, et al. **Aust Clin Rev** 1986 Sep;6(22):161–2

Training schemes in medicine at two district general hospitals. Jones ES, et al. **Br J Hosp Med** 1987 Jan; 37(1):67–8

Manpower and training [letter] **Br Med J [Clin Res]** 1986 Sep 6;293(6547):623–4

An assessment of the preregistration year experience. Elizabeth JE, et al. **Br Med J [Clin Res]** 1986 Dec 13; 293(6561):1559

Resuscitating resuscitation [editorial] Johnson RW. **Br Med J [Clin Res]** 1987 Jul 11;295(6590):71

Kingston General provides management education for physicians. O'Heare F, et al. **Dimens Health Serv** 1987 Feb; 64(1):25–6

The European exchange scheme for junior doctors in internal medicine. An exciting and successful experiment. van Ypersele C, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1446–8

Effects of CPR training: participant competence and patient outcomes. Curry L, et al. **Proc Annu Conf Res Med Educ** 1984;23:243–8

Reduction of fresh–frozen plasma use through a daily survey and education program. Shanberge JN. **Transfusion** 1987 May–Jun;27(3):226–7

[Improving the professional training of the staff of a military sanatorium] Komkov VK, et al. **Voen Med Zh** 1987 Apr; (4):15–6 **(Rus)**

[Professional training of the health–resort specialist] Kliachkin LM. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Jan–Feb;(1):10–2 **(Rus)**

LEGISLATION & JURISPRUDENCE

Million–dollar errors. Cushing M. **Am J Nurs** 1987 Apr; 87(4):435–6, 440

Impartiality in medical staff privileges cases. Arkin HR. **Conn Med** 1987 Apr;51(4):235–8

Physicians challenge withdrawal of admitting privileges at age 65. Harnden L. **Dimens Health Serv** 1986 Oct;63(7):46

Hospital liable for independent MD. Burda D. **Hospitals** 1987 Aug 20;61(16):36

Hospital not unfair to MD: U.S. court. Nelson S. **Hospitals** 1987 Aug 20;61(16):60

Peer review gets a big legal push. Riffer J. **Hospitals** 1986 Nov 20;60(22):78

Hospital medical staff bylaws: an Indiana model. Holden RW, et al. **Indiana Med** 1987 Jan;80(1):44–5

Hospital credentialing. Cowan RB, et al. **J Miss State Med Assoc** 1987 Jan;28(1):9–12

Chiropractors and staff privileges. Stratton WT. **Kans Med** 1987 Mar;88(3):90–1

Clinical guidelines, medical litigation, and the current medical defence system. Harvey IM, et al. **Lancet** 1987 Jan 17;1(8525):145–7

Physicians' hospital privileges—the business of practicing medicine. Hirsh HL. **Med Law** 1987;6(3):227–34

The present status of physician privileges. Goldsmith LS, et al. **Med Trial Tech Q** 1980 Fall;27(2):121–37

Impact of exclusive contracts on medical staff bylaws. Klein DG. **QRB** 1987 Jun;13(6):215–8

Texas physicians entitled to due process in privileges disputes. Winters AJ, et al. **Tex Med** 1986 Nov;82(11):50–1

[Medical responsibility in cases of suicide in hospitals] Tholose A. **Ann Med Psychol (Paris)** 1986 Mar; 144(3):243–62 (Eng. Abstr.) **(Fre)**

ORGANIZATION & ADMINISTRATION

A general systems approach to the patient, hospital staff, family, and community: implications for health care services. Viney LL, et al. **Behav Sci** 1986 Oct;31(4):239–53

New challenges to medical staff organizations in hospitals. Linton AL, et al. **Can Med Assoc J** 1987 Apr 15; 136(8):804–7

Staffing guidelines have NB doctors worried. Sullivan P. **Can Med Assoc J** 1986 Nov 15;135(10):1178–9

Medical staff organizations: Ontario survey sets the stage for comparisons. Leatt P, et al. **Dimens Health Serv** 1987 Feb; 64(1):19–23

Medical staff relations: the 1987 initiative. Porter K. **Hospitals** 1987 Jun 20;61(12):FB78, FB80

Faculty on call [letter] Webster JR Jr. **J Med Educ** 1987 Sep;62(9):784–5

Hospitals and county medical societies: should they be better bedfellows? Griffin GD. **Ohio State Med J** 1986 Oct; 82(10):656–7

Medical staff privileging: how to avoid pitfalls in the administrative process. Trostorff DL. **QRB** 1987 Jun; 13(6):198–204

PSYCHOLOGY

What is a good consultant? As the junior doctor sees it. Lowry S. **Br Med J [Clin Res]** 1987 Jun 20;294(6587):1601

Hospital medical staffing and vocational guidance: teaching hospital juniors' views. Renvoize EB, et al. **Br Med J [Clin Res]** 1986 Oct 25;293(6554):1113–4

Sex differences in medical student and housestaff attitudes toward the handicapped. Potts MK, et al. **J Am Med Wom Assoc** 1986 Sep–Oct;41(5):156–9

Work satisfaction and career aspirations of internists working in teaching hospital group practices. Linn LS, et al. **J Gen Intern Med** 1986 Mar–Apr;1(2):104–8

Attitudes and smoking habits of physicians at the Lagos University Teaching Hospital. Bandele EO, et al. **J Natl Med Assoc** 1987 Apr;79(4):430–2
Acquired immune deficiency syndrome: psychological impact on health personnel. Treiber FA, et al. **J Nerv Ment Dis** 1987 Aug;175(8):496–9
Doctors' interest in psychiatry as a career. Creed F, et al. **Med Educ** 1987 May;21(3):235–43
The structure of memorized knowledge in students and clinicians: an explanation for diagnostic expertise. Grant J, et al. **Med Educ** 1987 Mar;21(2):92–8
Another look at career choice and learning preferences. Jewett LS, et al. **Med Educ** 1987 May;21(3):244–9
Physician utilization of computers in medical practice: policy implications based on a structural model. Anderson JG, et al. **Soc Sci Med** 1986;23(3):259–67
Interpersonal distance of hospital staff. Kerr JA. **West J Nurs Res** 1986 Aug;8(3):350–64

STANDARDS

Consultant accountability [editorial] Drife JO. **Br Med J [Clin Res]** 1987 Mar 28;294(6575):789–90
Credentialling and privilege reviews need objective criteria. Ward TF. **Dimens Health Serv** 1987 Feb;64(1):34–6
Liability reshapes hospital/physician relationships. Burda D. **Hospitals** 1987 Apr 5;61(7):56–60
MD with AIDS: scenario poses policy questions. Cherskov M. **Hospitals** 1987 Apr 5;61(7):68, 70
Watchful eyes to follow physicians through '87. Newald J. **Hospitals** 1987 Jan 5;61(1):49
Physician and hospital factors associated with mortality of surgical patients. Kelly JV, et al. **Med Care** 1986 Sep; 24(9):785–800
Congress moves to bolster peer review: the Health Care Quality Improvement Act of 1986. Iglehart JK. **N Engl J Med** 1987 Apr 9;316(15):960–4
Medical malpractice and quality of care. Waxman HA. **N Engl J Med** 1987 Apr 9;316(15):943–4
Taking care of the doctors: the hospital's duty to evaluate, monitor, and discipline its medical staff. Baker CH. **QRB** 1987 Mar;13(3):88–93
An office of medical practice evaluation: what is it and why have one? Dans PE, et al. **QRB** 1986 Sep;12(9):320–5
Delineating clinical privileges. Jessee WF. **QRB** 1987 Jun; 13(6):209–14
Computerizing the medical staff office. Lu SL, et al. **QRB** 1986 Sep;12(9):316–9

SUPPLY & DISTRIBUTION

Manpower problems [editorial] Jones ES. **Br J Hosp Med** 1987 Mar;37(3):191
Junior staff and waiting lists [letter] Shrank AB. **Br Med J** 1987 Feb 21;294(6570):511
Manpower [letter] **Br Med J [Clin Res]** 1986 Oct 11; 293(6552):958–9
Medical staffing and training in the West Midlands region [letter] Parkhouse J, et al. **Br Med J [Clin Res]** 1987 Jun 13;294(6586):1552
Medical staffing and training in the West Midlands region [letter] Vaughan DH. **Br Med J [Clin Res]** 1987 May 2; 294(6580):1162
Most hospitals need more physicians: survey. Riffer J. **Hospitals** 1986 Dec 5;60(23):66
Student numbers and manpower [letter] Scott JS. **Lancet** 1987 Apr 11;1(8537):865
[Physician staff requirements for a medical ward in Israel] Levo Y. **Harefuah** 1986 Sep;111(5–6):147–8 **(Heb)**

TRENDS

The perspective of junior medical residents [letter] Colt HG. **Am J Med** 1987 Aug;83(2):380–1
Give and take after 30 years (professional battery charging) [editorial] Rosenwasser HM. **J Am Optom Assoc** 1987 Aug; 58(8):623
The hospital medical staff of 1997. Fifer WR. **QRB** 1987 Jun;13(6):194–7
[Partnership practice—a form of cooperation in private practice and also in the hospital?] Pranschke-Schade S, et al. **Unfallchirurgie** 1987 Apr;13(2):118–9 **(Ger)**

MEDICAL STAFF PRIVILEGES see under **MEDICAL STAFF, HOSPITAL**

MEDICAL WASTE see under **WASTE PRODUCTS**

MEDICALLY UNDERSERVED AREA

see related
HEALTH SERVICES ACCESSIBILITY

A blind eye: community health services in remote areas of Australia. Cramer J. **Community Health Stud** 1987; 11(2):135–8
The 1985 Mary E. Switzer lecture: reaching the underserved. McGinnis JM. **J Allied Health** 1986 Nov;15(4):293–304
Procuring incentives for community health promotion programs. Engelberg M, et al. **J Community Health** 1987 Spring;12(1):56–65
Community health care in Kenya: what next? Eraj YA, et al. **J R Soc Health** 1986 Oct;106(5):174–5, 181
A US International Health Service Corps. Options and constraints. Baker TD, et al. **JAMA** 1987 May 15; 257(19):2622–5
BioPrep. A premedical program for rural high school students. Knopke HJ, et al. **JAMA** 1986 Nov 14; 256(18):2548–51
Influencing physician distribution in the South: lessons from a study in Texas. Kennedy VC, et al. **South Med J** 1986 Oct;79(10):1242–7
The distribution of services to the underserved. A comparison of minority and majority medical graduates in California. Davidson RC, et al. **West J Med** 1987 Jan;146(1):114–7
A WHO training package aimed at improving the use of radiology for underserved populations. Racoveanu NT. **WHO Chron** 1986;40(4):135–40

MEDICARE see **HEALTH INSURANCE FOR AGED AND DISABLED, TITLE 18**

MEDICATION ERRORS

Calculating medication error rates [letter] Allan BL. **Am J Hosp Pharm** 1987 May;44(5):1044, 1046
Avoiding medication errors with transdermal nitroglycerin products [letter] Falbe WJ, et al. **Am J Hosp Pharm** 1986 Nov;43(11):2738, 2740
Medication errors in a pharmacy-coordinated drug administration program. Jozefczyk KG, et al. **Am J Hosp Pharm** 1986 Oct;43(10):2464–7
Successful treatment of inadvertent intra-arterial injection of antibiotics [letter] King M, et al. **Anaesthesia** 1986 Sep; 41(9):969
A visual warning device for improved safety [letter] Williams L, et al. **Anesth Analg** 1986 Dec;65(12):1364
Cardiac arrest following direct intravenous administration of a citrate anticoagulant solution. Lee BL, et al. **Ann Emerg Med** 1986 Nov;15(11):1353–6
Overmedication of the low-weight elderly. Campion EW, et al. **Arch Intern Med** 1987 May;147(5):945–7
Hazard of potassium chloride solution [letter] Hawkins C. **Br Med J** 1987 Jan 3;294(6563):54
Hazard of potassium chloride solution [letter] Lakhani M. **Br Med J** 1987 Jan 24;294(6566):248
MS Contin: errors in prescribing, dispensing and administering [letter] Burge FI. **Can Med Assoc J** 1986 Nov 1;135(9):969–70
Accidental overdose of pyrimethamine and sulphadoxine for malaria prophylaxis without adverse effects. Lindberg A, et al. **Eur J Clin Pharmacol** 1986;31(2):253–4
Medication administration errors in an adult intensive care unit. Girotti MJ, et al. **Heart Lung** 1987 Jul;16(4):449–53
Massive thyroxine intoxication: evaluation of plasma extraction. Binimelis J, et al. **Intensive Care Med** 1987; 13(1):33–8
Aminoglycoside serum concentration sampling via central venous catheters: a potential source of clinical error. Franson TR, et al. **JPEN J Parenter Enteral Nutr** 1987 Jan–Feb;11(1):77–9
Convulsions after miconazole overdose [letter] Coulthard K, et al. **Med J Aust** 1987 Jan 5;146(1):57–8
New formulation of Adalat (nifedipine) tablets [letter] Hunyor SN, et al. **Med J Aust** 1987 Feb 16;146(4):228–9
Errors in drug administration [letter] **Pediatrics** 1987 Jan; 79(1):170–2
Drug errors [letter] Bullaboy CA. **Pediatrics** 1987 Aug; 80(2):308
Medication error prevention by clinical pharmacists in two children's hospitals. Folli HL, et al. **Pediatrics** 1987 May; 79(5):718–22
Oesophageal stricture following inadvertent ingestion of Steradent tablets in the elderly. Patrick AW, et al. **Scott Med J** 1986 Jul;31(3):181
[The prescription of drugs in geriatrics] Bouchon JP. **Phlebologie** 1986 Oct–Dec;39(4):907–11 **(Fre)**
[Errors in the diagnosis and therapy of endocrine diseases] Viazitskii PO, et al. **Voen Med Zh** 1986 Sep;(9):34–7 **(Rus)**
[Analysis of errors in determining the aspiration dosage in aerosol immunization and in the experimental study of aerogenic infections] Gapochko KG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Aug;(8):45–8 (Eng. Abstr.) **(Rus)**
[Acute renal failure caused by indomethacin overdose in a premature infant with patent ductus arteriosus] Winter A, et al. **Rev Chil Pediatr** 1986 Sep–Oct;57(5):444–6 (Eng. Abstr.) **(Spa)**

MEDICATION SYSTEMS

ECONOMICS

Cost comparison of unit dose and traditional drug distribution in a long-term-care facility. Lepinski PW, et al. **Am J Hosp Pharm** 1986 Nov;43(11):2771–9

STANDARDS

Prediction of normal tissue damage induced by cancer chemotherapy. Vriesendorp HM, et al. **Cancer Chemother Pharmacol** 1987;19(4):273–6 (28 ref.)
SI units and pediatric therapeutics [letter] Roberts RJ, et al. **J Pediatr** 1987 Mar;110(3):494–5

MEDICATION SYSTEMS, HOSPITAL

see related
MEDICATION ERRORS

Use of a microcomputer in a pediatric hospital. Enderlin GM, et al. **Am J Hosp Pharm** 1987 Mar;44(3):565–8
Inadequate labeling of unit dose packages [letter] Taylor HG. **Am J Hosp Pharm** 1987 Mar;44(3):514, 516
Recording schedule II drug use in a decentralized drug distribution system. Woller TW, et al. **Am J Hosp Pharm** 1987 Feb;44(2):349–53

ECONOMICS

Cytotoxic drug reconstitution at the Kuwait Cancer Control Centre. Eggleston R, et al. **J Clin Pharm Ther** 1987 Aug; 12(4):255–9

LEGISLATION & JURISPRUDENCE

Mandating unit dose drug distribution and i.v. admixture services in New Jersey hospitals. LaFranco M, et al. **Am J Hosp Pharm** 1987 Jun;44(6):1371–5

ORGANIZATION & ADMINISTRATION

Decentralization of pharmaceutical services in a large hospital complex. Sateren LA, et al. **Am J Hosp Pharm** 1986 Nov;43(11):2785–9
Quantifying unused orders for as-needed medications. Woller TW, et al. **Am J Hosp Pharm** 1987 Jun;44(6):1347–52

STANDARDS

Evaluation of a multiple-dose syringe pump system for intermittent i.v. drug delivery. Hola ET, et al. **Am J Hosp Pharm** 1986 Oct;43(10):2474–8
Evaluation of an indirect method of detecting adverse reactions to anticoagulants. Swanson CN 2d, et al. **Am J Hosp Pharm** 1987 Mar;44(3):544–8
Frequency and appropriateness of drug prescribing for unlabeled uses in pediatric patients. Thompson DF, et al. **Am J Hosp Pharm** 1987 Apr;44(4):792–4
Errors in drug administration [letter] **Pediatrics** 1987 Jan; 79(1):170–2
Drug allocation and distribution. Standardized supply of essential drugs in Ghana—3. Hogerzeil HV. **Trop Doct** 1987 Jan;17(1):18–20

MEDICINE

Do you want your child to be a doctor? Beck LC. **Ala Med** 1986 Dec;56(6):14–6
Japan and Japanese medicine. Roberts WC. **Am J Cardiol** 1987 Aug 1;60(4):427–9
New agenda for medicine. Cluff LE. **Am J Med** 1987 Apr; 82(4):803–10
Artificial intelligence. LaCombe MA. **Am J Med** 1987 Jul; 83(1):127–8
Psychiatry in medicine: medicine in psychiatry. Pasnau RO. **Am J Psychiatry** 1987 Aug;144(8):975–80
Opportunities and challenges that confront medicine and its specialties, with special reference to psychiatry. Pollock GH. **Am J Psychiatry** 1987 Aug;144(8):980–5
Holding the mirror. Underwood P. **Br Med J [Clin Res]** 1986 Dec 20–27;293(6562):1667–9
Psychiatry and medicine. By Karl Menninger, M.D. Bulletin of the Menninger Clinic, 1936. **Bull Menninger Clin** 1986 Sep;50(5):419–27
Communication in the clinical sciences. Woodford FP. **Clin Invest Med** 1986 Nov;9(4):301–3
Comment on Mark Sullivan: "In what sense is contemporary medicine dualistic"? van Leeuwen E. **Cult Med Psychiatry** 1987 Jun;11(2):251–6
Whole in body, mind & spirit: wholistic health and the limits of medicine. Guttmacher S. **J Am Coll Health Assoc** 1979 Dec;28(3):180–5
Medical photography in China [letter] Guo M. **J Biol Photogr** 1987 Jan;55(1):1
Student and faculty assumptions about the nature of uncertainty in medicine and medical education. Simpson DE, et al. **J Fam Pract** 1986 Nov;23(5):468–72
Science, medicine and chiropractic theory [editorial] Hildebrandt RW. **J Manipulative Physiol Ther** 1986 Sep; 9(3):181–2
Contempo '86. **JAMA** 1986 Oct 17;256(15):2055–126
Boycotts and medicine [letter] Dommisse J Jr. **Lancet** 1987 May 16;1(8542):1146
Boycotts and medicine [letter] Hall PL, et al. **Lancet** 1987 May 30;1(8544):1265–6
Theory of adequate function of cells and the organism—the theoretical basis for contemporary medicine. Yabrov A. **Med Hypotheses** 1987 Mar;22(3):251–76 (43 ref.)
Medicine in the long-living society. Yabrov A. **Med Hypotheses** 1986 Dec;21(4):445–8
The impact of molecular biology on the practice of medicine. Part 2. Diagnostics, therapeutics and ethics. Harrison LC. **Med J Aust** 1987 Jul 20;147(2):81–9
Bioinorganic chemistry. Inorganic chemistry in a perspective of biology, medicine and the environment. Reedijk J. **Naturwissenschaften** 1987 Feb;74(2):71–7
In defense of destructive criticism. (A dialogue between a critic C and an apologist A in an unnamed medical school). Skrabanek P. **Perspect Biol Med** 1986 Autumn;30(1):19–26
Science and the three laws of robotics: a view of science,

medicine, and ethics. van Eys J. **Pharos** 1986 Fall; 49(4):30–2
Science and health care—whence and whither. Hartley F. **Phys Med Biol** 1987 Feb;32(2):163–71
The censorship of medicine in the United States [editorial] Wassersug JD. **Postgrad Med** 1987 Apr;81(5):109, 112
The triangle of medical care. Campbell RJ. **Psychiatr Q** 1986–87 Spring;58(1):15–23
19th SMA lecture. Towards excellence in medicine. Pillay VK. **Singapore Med J** 1986 Oct;27(5):369–73
A relationship between human and thoroughbred veterinary medicine. Billings FT Jr. **Trans Am Clin Climatol Assoc** 1986;98:49–56
Travel broadens...? Todd IP. **Trans Med Soc Lond** 1984–85; 101:1–6
[Medicine and technology] van Crevel H, et al. **Ned Tijdschr Geneeskd** 1987 Feb 7;131(6):248–50 **(Dut)**
[Lebanon: medicine in the face of war] Gédén E. **J Med Liban** 1987;37(1):1–3 **(Fre)**
[Medicine and parallel medicines] Bonard EC. **Rev Med Suisse Romande** 1987 Feb;107(2):135–8 **(Fre)**
[The scientific spirit in every day medicine. Second session of the workshop "Ideological and Scientific Theoretical Problems of Medicine." 23–24 October 1986, Gera] **Z Arztl Fortbild (Jena)** 1987;81(10):467–512 **(Ger)**
[Medicine and society] Marinescu CG, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr–Jun;90(2):389–91 **(Rum)**
[Results of research at institutions of the Department of Clinical Medicine of the Academy of Medical Sciences of the USSR 1981–1985] Nasonova VA, et al. **Vestn Akad Med Nauk SSSR** 1987;(2):4–9 **(Rus)**
[Methodological problems in creating a theory of medicine] Slabý B. **Vestn Akad Med Nauk SSSR** 1987;(3):55–62 **(Rus)**
[Basic science and medical practice] Krivobokova SS. **Vopr Med Khim** 1986 Jul–Aug;32(4):2–7 **(Rus)**
[Medicine in Mexico] **Gac Med Mex** 1985 Jul–Oct; 121(7–10):229–44 **(Spa)**
[Health care and medicine] **Gac Med Mex** 1985 Jul–Oct; 121(7–10):273–82 **(Spa)**
[The concept of clinical investigation] Alarcón-Segovia D. **Rev Invest Clin** 1986 Jul–Sep;38(3):327–8 **(Spa)**
[Medicine: the dawn of new eras] Roa A. **Rev Med Chil** 1986 Nov;114(11):1079–84 (Eng. Abstr.) **(Spa)**

STANDARDS

Barriers to effective medical discipline and some possible solutions. Feinstein RJ. **J Fla Med Assoc** 1986 Nov; 73(11):861–5

TRENDS

Scientific medicine and Système International units. Conn RB. **Arch Pathol Lab Med** 1987 Jan;111(1):16–9
The role of foundations in the future of medicine. Cahill GF Jr. **Clin Invest Med** 1986 Nov;9(4):273–7
The future of medicine: plan for tomorrow. Sammons JH. **Iowa Med** 1987 Jan;77(1):6–9
When will medicine take a close look at itself? [letter] Benbow JT. **J Fla Med Assoc** 1987 Jul;74(7):475–7
New dimensions for the art of medicine [editorial] Watts MS. **West J Med** 1986 Nov;145(5):683

MEDICINE, ALTERNATIVE see **ALTERNATIVE MEDICINE**

MEDICINE, ARABIC

Was Ibn al-Nafis unknown to the scholars of the European Renaissance? Ghalioungui P. **Clio Med** 1983;18(1–4):37–42
An illustrated Arabic medical manuscript of the fifteenth century (Amshati's Mundjiz). Haddad FS. **Clio Med** 1983; 18(1–4):243–52
Early Arabian physician describes pulmonary circulation. Shampo MA, et al. **Mayo Clin Proc** 1987 Feb;62(2):141
Illustrations from the Wellcome Institute Library. The Sami Haddad collection of Arabic medical manuscripts. Conrad LI. **Med Hist** 1987 Jul;31(3):354–7
The legacy of Arabic medicine. Bickers W. **Va Med** 1987 Jun;114(6):345–9
[Surgery attributable to Abu l-Qasim in Wolfram von Eschenbach's 'Parzifal'] Haage BD. **Clio Med** 1984; 19(3–4):193–205 (Eng. Abstr.) **(Ger)**
[Medical historiography in the Islamic Middle Ages] Hau FR. **Clio Med** 1983;18(1–4):69–80 (Eng. Abstr.) **(Ger)**
[Once again on the Isagoge of Johannicius: origin of the Latin instructional text] Weisser U. **Sudhoffs Arch** 1986; 70(2):229–35 **(Ger)**
[Contribution of Abu-l-Kasima az-Zakhravi to medicine] Belova-Rakhimova LV. **Sov Zdravookhr** 1987;(7):68–70 **(Rus)**

MEDICINE, AYURVEDIC

Hindu philosophy on pain: an outline. Pandya SK. **Acta Neurochir [Suppl] (Wien)** 1987;38:136–46
An annotated bibliography of translations into Western languages of principal Sanskrit medical treatises. Zysk KG. **Clio Med** 1984;19(3–4):281–92
Experiences with ayurvedic psychotherapy. Nespor K, et al. **Int J Psychosom** 1986;33(3):29–30
Studies on brain structure and neurological function in alcoholic rats controlled by an Indian medicinal formula (SKV). Shanmugasundaram ER, et al. **J Ethnopharmacol** 1986 Sep;17(3):225–45
Clinical trial of mustong on secondary sexual impotence in male married diabetics. Ojha JK, et al. **J Med Assoc Thai** 1987 Mar;70 Suppl 2:228–30
Herbal medicine precipitating massive haemolysis [letter] Baker S, et al. **Lancet** 1987 May 2;1(8540):1039–40
Coumestans as the main active principles of the liver drugs Eclipta alba and Wedelia calendulacea. Wagner H, et al. **Planta Med** 1986 Oct;(5):370–4
The Ayurvedic physician as scientist. Trawick M. **Soc Sci Med** 1987;24(12):1031–50
Ayurvedic treatment for fistula-in-ano. An example of cheap and simple technology for developing countries. Wolffers I. **Trop Doct** 1986 Jan;16(1):44
[In vitro 5-lipoxygenase inhibition by Elipta alba extracts and the coumestan derivative wedelolactone] Wagner H, et al. **Planta Med** 1986 Oct;(5):374–7 (Eng. Abstr.) **(Ger)**
[A concept of health and disease in traditional Indian Ayurveda medicine. An attempt at an interpretation of Caraka-Samhitâ 4. 1. 86–156] Wolz-Gottwald E, et al. **Sudhoffs Arch** 1986;70(1):18–26 (Eng. Abstr.) **(Ger)**

MEDICINE, CHINESE TRADITIONAL see under **MEDICINE, ORIENTAL TRADITIONAL**

MEDICINE, FOLK see **MEDICINE, TRADITIONAL**

MEDICINE, HERBAL

Herbal medicines—safe and effective? **Drug Ther Bull** 1986 Dec 15;24(25):97–100
Acute pulmonary oedema (toxic alveolitis) associated with traditional fever therapy. Jarikre LN, et al. **East Afr Med J** 1986 Oct;63(10):656–9
Resurrection of herbal medicine and medical practice [letter] Udupa S. **J Indian Med Assoc** 1986 Feb;84(2):67–8
The use of herbs in midwifery. Bunce KL. **J Nurse Midwifery** 1987 Jul–Aug;32(4):255–9
The use of herbs in nurse-midwifery practice. Ehudin-Pagano E, et al. **J Nurse Midwifery** 1987 Jul–Aug; 32(4):260–2
Possible contamination of a herbal product with a prohibited substance [letter] Bowron P, et al. **Med J Aust** 1987 Mar 16;146(6):325
Problems with herbal medicines [letter] Bury RW, et al. **Med J Aust** 1987 Mar 16;146(6):324–5
Medicines from plants with special reference to herbal products in Great Britain. Shellard EJ. **Planta Med** 1987 Apr;53(2):121–3
Herbal therapy for migraine. An unconventional approach. Diamond S. **Postgrad Med** 1987 Jul;82(1):197–8
[Determination of the diuretic action of different preparations of Ononis speciosa Lag. and Ononis mitissima L.] Marhuenda Requena E, et al. **Ann Pharm Fr** 1986; 44(6):455–60 (Eng. Abstr.) **(Fre)**
[Dispensing of medicinal plants and the herbalists] Delaveau P. **Bull Acad Natl Med (Paris)** 1986 Jun;170(6):789–96 (Eng. Abstr.) **(Fre)**
[Medico-geographic aspects: the role of popular therapeutic methods and medicinal plants in the Szabolcs-Szatmár Region and its vicinity] Vargha GL. **Geogr Med** 1986; 16:83–99 **(Ger)**
[Are paramedical therapies a threat to academic medicine?] Obrist R. **Schweiz Rundsch Med Prax** 1987 Jul 7; 76(28):797–8 **(Ger)**

HISTORY

Mark Jameson's physic plants, a sixteenth century garden for gynaecology in Glasgow? Dickson JH, et al. **Scott Med J** 1987 Apr;32(2):60–2
[Johann Hieronymus Kniphofs' "Botanica in Originali"—a rare herbal of the 18th century] Schalldach I. **Pharmazie** 1986 Sep;41(9):658–9 **(Ger)**

TRENDS

Herbal medicine in America. Tyler VE. **Planta Med** 1987 Feb;53(1):1–4 (16 ref.)

MEDICINE, HINDU see **MEDICINE, AYURVEDIC**

MEDICINE IN ART

Cultural-historical aspects of pain. Kern E. **Acta Neurochir [Suppl] (Wien)** 1987;38:165–81
Does a Pre-Raphaelite painting by Ford Madox Brown depict a case of systemic sclerosis? Borroni G. **Am J Dermatopathol** 1985 Aug;7(4):353–6
Early bent knee prostheses: ancestors of K9. Webling DD, et al. **Br Med J [Clin Res]** 1986 Dec 20–27;293(6562):1636–7
Art of the eye: an exhibition on vision. **Caduceus** 1986 Summer;2(2):44–8
Portrayal of pathological symptoms in pre-Columbian Mexico. von Winning H. **Caduceus** 1986 Winter;2(4):1–74
The head-pad in art and medicine: a forgotten nasal protector. Pirsig W. **Int J Pediatr Otorhinolaryngol** 1987 Feb;12(3):283–90
Hands and the artist—Henry Moore. Robins N, et al. **J Hand Surg [Br]** 1987 Feb;12(1):140–3
Ginevra: turned left or right? Leonardo: straight or gay? [letter] **JAMA** 1987 Aug 21;258(7):912
The Agnew Clinic [letter] **JAMA** 1986 Nov 14;256(18):2519
What's a joint like that doing on a nice girl like you? [letter] Dlesk A. **JAMA** 1987 Jul 10;258(2):204
Rubens Peale and his spectacles [letter] Letocha CE. **JAMA** 1987 Jul 24–31;258(4):476
Visual and artifactual materials in the history of early American medicine. Goler RI. **NY State J Med** 1987 Jan; 87(1):14–22
Stone-age art "Venuses" as heuristic clues for types of obesity: contribution to "iconodiagnosis". Pontius AA. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):544–6
[Historical aspects of bone dysplasias] Mařík I, et al. **Cesk Pediatr** 1987 May;42(5):304–6 **(Cze)**
[Historical notes on retinoblastoma: apropos of 2 ancient terracotta figures] Munier F, et al. **Rev Med Suisse Romande** 1987 Jul;107(7):591–7 **(Fre)**
[Philoctetes—a theme with variations] Thomasen AL. **Clio Med** 1983;18(1–4):1–20 (Eng. Abstr.) **(Ger)**
[The Hippocrates and Galen debate] Gericke D. **Fortschr Med** 1987 May 20;105(15):64 **(Ger)**
["Paraffinage" by Volkmar Köhler]Weber GF. **Pathologe** 1987 May;8(3):188 **(Ger)**
[Historical pathography and its problems] Rüttimann B. **Schweiz Rundsch Med Prax** 1987 Mar 24;76(13):321–7 (Eng. Abstr.) **(Ger)**
[The painting "Prof. Ernst v. Bergmann at the Royal University Clinic of Berlin" painted by Franz Skarbina] Oelschlegel FF. **Zentralbl Chir** 1986;111(22):1398–403 **(Ger)**
[Medical and surgical practice in paintings, sculptures and caricatures. I] Pankiewicz Z. **Arch Hist Filoz Med** 1986; 49(4):452–68 (Eng. Abstr.) **(Pol)**

MEDICINE IN LITERATURE

The art of living long by Luigi Cornaro. Howell TH. **Age Ageing** 1987 May;16(3):194–5
Medical mumbo jumbo in the comedies of Molière. Dirckx JH. **Am J Dermatopathol** 1987 Jun;9(3):259–63
Smollett and Newman. Travelers in travail. Dirckx JH. **Am J Dermatopathol** 1985 Aug;7(4):357–60
Balzac's 'Pierette'. An early description of chronic subdural hematoma. van den Doel EM. **Arch Neurol** 1986 Dec; 43(12):1291–2
An eighteenth century view of the placebo effect (Rétif de la Bretonne). Schiller F. **Clio Med** 1984;19(1–2):81–6
New concern for an old disease [editorial] Massey RU. **Conn Med** 1987 Apr;51(4):262
Understanding chronic illness: a curriculum using nonmedical literature. Mazie B, et al. **Fam Med** 1986 May–Jun; 18(3):160–2
Character and aging in Moll Flanders. Sokoloff JM. **Gerontologist** 1986 Dec;26(6):681–5
Shakespeare's "Hoar leprosy" [letter]Rotberg A. **Int J Lepr Other Mycobact Dis** 1986 Dec;54(4):648–9
Flushing, boozing, and the sandwich islanders. Caplan RM. **Iowa Med** 1986 Sep;76(9):429, 437
"A ring around the rosie" (the rash that was)Glickman FS. **J Am Acad Dermatol** 1987 Jun;16(6):1282–8
Dentistry on stamps. Loevy HT, et al. **J Am Dent Assoc** 1986 Dec;113(6):902
Gorky's "Nilushka": autism case report?Webster CD. **J Autism Dev Disord** 1980 Jun;10(2):227–9
The exact location of the black bag. Ratzan RM. **J Emerg Med** 1987 Jul–Aug;5(4):331–5
Inoperable cancer: an alternate diagnosis for Milly Theale's illness. Tintner AR, et al. **J Hist Med Allied Sci** 1987 Jan; 42(1):73–6
John Brown talks of breast cancer. Underwood CR. **J Med Assoc Ga** 1987 May;76(5):308–9
Opium and Marcel Schwob: a historical note and translation. Siegel RK, et al. **J Psychoactive Drugs** 1987 Jan–Mar; 19(1):97–100
Biblical ills and remedies. Gwilt JR. **J R Soc Med** 1986 Dec; 79(12):738–41
The humanities in postgraduate training [editorial] Coles R. **JAMA** 1987 Mar 27;257(12):1644
The use of literary classics in teaching medical ethics to physicians. Radwany SM, et al. **JAMA** 1987 Mar 27; 257(12):1629–31
Thallium and A Pale Horse [letter] Robb-Smith AH. **Lancet** 1987 Apr 11;1(8537):872
The urological vagaries of two famous patients. Leavesley JH. **Med J Aust** 1986 Dec 1–15;145(11–12):618–20
Insights from the past. Monteiro LA. **Nurs Outlook** 1987 Mar-Apr;35(2):65–9
Janet Frame: contributions to psychiatry. Bragan K. **NZ Med J** 1987 Feb 11;100(817):70–3
Life imitates art. Andriole GL Jr, et al. **Pa Med** 1987 May; 90(5):66, 68
Sherlock Holmes and "brain fever". Caplan RM. **Perspect Biol Med** 1987 Spring;30(3):433–9
Dr. and Mrs. Rinehart: a biographic and literary study. Dirckx JH. **Pharos** 1986 Fall;49(4):14–8
Medicine understood through nonmedical literature: contributions of selected women writers. Eichner ER. **Pharos** 1987 Winter;50(1):17–20
The doctor as hero in nineteenth-century British fiction. Hill J. **Pharos** 1987 Spring;50(2):31–3
Striking memories of medical education: a glimpse of three physician writers. Sugarman J. **Pharos** 1987 Winter;

50(1):30-5
Plastic surgeon in the writer's eye. Romm S, et al. **Plast Reconstr Surg** 1987 Sep;80(3):455-60
A. Conan Doyle, Sherlock Holmes, and murder by tropical infection. Ehrenkranz NJ. **Rev Infect Dis** 1987 Jan-Feb; 9(1):222-5
The medical odyssey of James Joyce. Beck IA. **RI Med J** 1986 Nov;69(11):517-22
On onanism [letter] Jones CS. **S Afr Med J** 1987 Apr 4; 71(7):469
Shakespeare, genetics, malformations, and the Wars of the Roses: hereditary themes in Henry VI and Richard III. Hook EB. **Teratology** 1987 Feb;35(1):147-55
[Psychiatric aspects in the work of French moralists] Brejcha J. **Cesk Psychiatr** 1986 Aug;82(3-4):260-3 (Eng. Abstr.) (Cze)
[Surgery attributable to Abu l-Qasim in Wolfram von Eschenbach's 'Parzifal'] Haage BD. **Clio Med** 1984; 19(3-4):193-205 (Eng. Abstr.) (Ger)
[The dwarf in fable and story--the origin or image of deformities in humans?] Neumann J. **Gesnerus** 1986; 43(3-4):223-40 (Eng. Abstr.) (Ger)
["The classical I call healthy, and the romantic sickly" (Goethe). Literary scientific reflections on the relation of disease and health] Mandelkow KR. **Psychother Psychosom Med Psychol** 1987 Mar-Apr; 37(3-4):142-7 (Eng. Abstr.) (Ger)
[The ear--a literary stroll] Wilhelm E. **Schweiz Rundsch Med Prax** 1987 Mar 24;76(13):332-5 (Eng. Abstr.) (Ger)
[The value of the natural sciences and medicine in German poetry of the Middle Ages] Haage BD. **Sudhoffs Arch** 1986; 70(2):206-20 (Eng. Abstr.) (Ger)
[Tadeusz Zeleński-Boy as a pediatrician] Kempa M. **Pediatr Pol** 1986 Sep;61(9):604-6 (Pol)
[History of the illness of F.M. Dostoevskii] Evdokimov PP. **Klin Med (Mosk)** 1987 May;65(5):145-7 (Rus)
[Lev Nikolaevich Tolstoi and the problems of medicine (letter)] Svadkovskii BS. **Klin Med (Mosk)** 1986 Aug; 64(8):139-41 (Rus)
[Psychopathological pattern in the works of Maxim Gorky] Vul' FR. **Klin Med (Mosk)** 1987 May;65(5):141-4 (Rus)
[A case of combustio spontanea totalis in a novel by Emile Zola] Panić V, et al. **Med Pregl** 1986;39(7-8):391-4 (Eng. Abstr.) (Scr)
[Barba Jacob and the history of marihuana] Rosselli H. **Acta Psiquiatr Psicol Am Lat** 1986 Dec;32(4):259-70 (Eng. Abstr.) (Spa)

MEDICINE, INDIGENOUS see **MEDICINE, TRADITIONAL**

MEDICINE, ORIENTAL TRADITIONAL

A Chinese perspective on pain. Tu WM. **Acta Neurochir [Suppl] (Wien)** 1987;38:147-51
Re-evaluation of the classical acupuncture concept of meridians in Oriental medicine by the new method of detecting meridian-like network connected to internal organs using "Bi-Digital O-Ring Test"Omura Y. **Acupunct Electrother Res** 1986;11(3-4):219-31
Hemodynamic effects of "san-huang-hsieh-hsin-tang" in patients with essential hypertension. Chen HC, et al. **Am J Chin Med** 1986;14(3-4):153-6
The antiarrhythmic effects of Sophora flavescens Ait. in rats and mice. Dai S, et al. **Am J Chin Med** 1986;14(3-4):119-23
Successful treatment of complete left bundle branch block complicating acute viral myocarditis employing Chinese herbs. Kuo C. **Am J Chin Med** 1986;14(3-4):124-30
Cardiovascular pharmacology of Panax notoginseng (Burk) F.H. Chen and Salvia miltiorrhiza. Lei XL, et al. **Am J Chin Med** 1986;14(3-4):145-52
Opuntia streptacantha: a coadjutor in the treatment of diabetes mellitus. Meckes-Lozyoa M, et al. **Am J Chin Med** 1986;14(3-4):116-8
Wen-jing-tang, a traditional Chinese herbal medicine increases luteinizing hormone release in vitro. Miyake A, et al. **Am J Chin Med** 1986;14(3-4):157-60
Specific irritability of acupuncture points as an early symptom of multiple sclerosis. Steinberger A. **Am J Chin Med** 1986;14(3-4):175-8
Effects of hachimijiogan, tokishakuyakusan and krishibukuryogan on estrogen and progesterone secretions by rat preovulatory follicles. Usuki S. **Am J Chin Med** 1986; 14(3-4):161-70
Clinical study of objective pulse diagnosis. Yoon SH, et al. **Am J Chin Med** 1986;14(3-4):179-83
Vietnamese coin rubbing [letter] Longmire AW, et al. **Ann Emerg Med** 1987 May;16(5):602
Epstein-Barr virus early antigen induction in nasopharyngeal hybrid cells by Chinese medicinal herbs. Furukawa M, et al. **Auris Nasus Larynx** 1986;13(2):101-5
Acupuncture in perspective. Strauss S. **Aust Fam Physician** 1987 Jan;16(1):39-40
Studies on dental caries prevention by traditional medicines. X. Antibacterial action of phenolic components from mace against Streptococcus mutans. Hattori M, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep;34(9):3885-93
Studies on active substances in herbs used for oketsu ("stagnant blood") in Chinese medicine. VI. On the anticoagulative principle in paeoniae radix. Ishida H, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):849-52
Studies on antihemorrhagic substances in herbs classified as hemostatics in Chinese medicine. VII. On the antihemorrhagic principle in Cirsium japonicum DC. Ishida H, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):861-4
Studies on antihemorrhagic substances in herbs classified as hemostatics in Chinese medicine. VI. On the antihemorrhagic principle in Sophora japonica L. Ishida H, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):857-60
Studies on active substances in herbs used for oketsu ("stagnant blood") in Chinese medicine. V. On the anticoagulative principle in moutan cortex. Ishida H, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):846-8
Tubeimoside I, a new cyclic bisdesmoside from Chinese cucurbitaceous folk medicine "tu bei mu", a tuber of Bolbostemma paniculatum. Kasai R, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep;34(9):3974-7
Effects of traditional crude drugs on fibrinolysis by plasmin: antiplasmin principles in eupolyphaga. Kawashiri N, et al. **Chem Pharm Bull (Tokyo)** 1986 Jun;34(6):2512-7
A comparative study of crude drugs in Southeast Asia. X. Crude drugs derived from Equisetum species. Nitta A, et al. **Chem Pharm Bull (Tokyo)** 1977 May;25(5):1135-9
Studies on the origin, processing and quality of crude drugs. II. Pharmacological evaluation of the Chinese crude drug "zhu" in experimental stomach ulcer. (2). Inhibitory effect of extract of Atractylodes lancea on gastric secretion. Nogami M, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep; 34(9):3854-60
Studies on the constituents of Asclepiadaceae plants. LXVI. The structures of three new glycosides, cynapanosides A, B, and C, from the Chinese drug "xu-chang-qing," Cynanchum paniculatum Kitagawa. Sugama K, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov;34(11):4500-7
Isolation of a platelet aggregation inhibitor from Angelicae radix. Toriizuka K, et al. **Chem Pharm Bull (Tokyo)** 1986 Dec;34(12):5011-5
Brief history of tongue inspection. Chen ZL. **Chin Med J [Engl]** 1987 Jan;100(1):38-44
Recent development in research on tongue inspection. Chen ZL, et al. **Chin Med J [Engl]** 1986 Jun;99(6):444-56 (36 ref.)
Radix Tripterygium Wilfordii Hook F in rheumatoid arthritis, ankylosing spondylitis and juvenile rheumatoid arthritis. Gao ZG, et al. **Chin Med J [Engl]** 1986 Apr; 99(4):317-20
Experimental investigation of the antihypercholesteremic element separated from the Chinese medicinal herb Drynaria fortunei (Kunze) J, SM. Wang AG, et al. **Chin Med J [Engl]** 1987 Mar;100(3):242-7
Comparative study of schizophrenia treatment with electroacupuncture, herbs and chlorpromazine. Zhang LD, et al. **Chin Med J [Engl]** 1987 Feb;100(2):152-7
Microcirculation in chronic viral hepatitis: clinical observation and treatment with traditional Chinese medicine. Zhang QB, et al. **Chin Med J [Engl]** 1986 Aug; 99(8):660-4
Treatment of forearm bone fractures by an integrated method of traditional Chinese and Western medicine. Shang TY, et al. **Clin Orthop** 1987 Feb;(215):56-64
Hemodynamic effects of orally administered Sunitang in humans. Chen HC, et al. **Clin Pharmacol Ther** 1987 May; 41(5):496-501
Important Chinese herbal remedies. Ding GS. **Clin Ther** 1987; 9(4):345-57
Puhang-induced purpura. Eun HC, et al. **Contact Dermatitis** 1986 Sep;15(3):191
Xiaoke, a traditional Chinese treatment for diabetes. Studies in streptozotocin diabetic mice and spontaneously diabetic BB/E rats. Bailey CJ, et al. **Diabetes Res** 1987 Jan;4(1):15-8
Effect of immuno-modulating agents on murine IL-2 production. Weng XC, et al. **Immunol Invest** 1987 Apr; 16(2):79-86
Immunopharmacological studies of wen-qing-yin, a Chinese blended medicine: effects on type IV allergic reactions and humoral antibody production. Koda A, et al. **Int J Immunopharmacol** 1987;9(3):289-95
Beta-trichosanthin: a new abortifacient protein from the Chinese drug, wangua, Trichosanthes cucumeroides. Yeung HW, et al. **Int J Pept Protein Res** 1987 Mar; 29(3):289-92
A comparison of the treatment of hypertension with Chinese herbal and Western medication. Black HR, et al. **J Clin Hypertens** 1986 Dec;2(4):371-8
Effect of plant worm extract on mouse hair growth. Ogawa H, et al. **J Dermatol (Tokyo)** 1986 Apr;13(2):126-31
A steryl glycoside fraction with hemolytic activity from tubers of Momordica cochinchinensis. Ng TB, et al. **J Ethnopharmacol** 1986 Oct;18(1):55-61
Effects of Chinese herbal medicine "kanbaku-taiso-to" on transmembrane ionic currents and its local anesthetic action. Tsuda T, et al. **J Ethnopharmacol** 1986 Sep; 17(3):257-61
Accumulation of immature B and null lymphocytes in the periphery after intraperitoneal administration of traditional Chinese medicine, xiao-chai-hu-tang (Japanese name: shosaiko-to). Kawakita T, et al. **J Immunopharmacol** 1986; 8(4):561-88
Nonoperative treatment of Hirschsprung's disease: a new approach. Wang G, et al. **J Pediatr Surg** 1987 May; 22(5):439-42
Prescription promoting blood circulation and dispersing blood stasis--experimental studies on preventive and therapeutic action in endometrial adhesion in rats. Chen XZ, et al. **J Tongji Med Univ** 1986;6(3):176-80
Studies on anti-infective mechanism of the traditional Chinese medicinal preparation "anti-inflammatory agent no. 6"--its influence on immune functions of mice. Xue ZH, et al. **J Tongji Med Univ** 1987;7(1):1-7
Acute myocardial infarction treated with yiqihuoxue mixture. A comparative study of therapeutic effects on 430 patients. **J Tradit Chin Med** 1986 Sep;6(3):165-7
Uveo-encephalitis treated by combination of traditional Chinese and Western medicine. Bao LL. **J Tradit Chin Med** 1986 Jun;6(2):113-6
Discussion on semantics. Cignolini A. **J Tradit Chin Med** 1986 Sep;6(3):222-6
Effects of ginsenosides and pantocrine on the reproductive endocrine system in male rats. Ge RY, et al. **J Tradit Chin Med** 1986 Dec;6(4):301-4
Advances in the treatment of cholelithiasis by expulsion of the gallstones. He RL. **J Tradit Chin Med** 1986 Jun; 6(2):135-40 (26 ref.)
Treating amenorrhea in vital energy-deficient patients with angelica sinensis-astragalus membranaceus menstruation-regulating decoction. He ZP, et al. **J Tradit Chin Med** 1986 Sep;6(3):187-90
Treatment of discogenic back and leg pain based on differentiation of symptom-complex according to traditional Chinese medicine. Jiang WZ, et al. **J Tradit Chin Med** 1986 Dec;6(4):267-72
Cerebral infarction in a bilateral common carotid artery ligation model protected by radix Salviae miltiorrhizae. Kuang PG, et al. **J Tradit Chin Med** 1986 Jun;6(2):121-4
Clinical observation and pharmacological investigation of the sedative and hypnotic effects of the Chinese drug rhizome and root of Patrinia Scabiosaefolia Fisch. Luo HC, et al. **J Tradit Chin Med** 1986 Jun;6(2):89-94
Acupuncture treatment of cerebrovascular occlusion and changes in hemorrheological indices during treatment; a clinical analysis of 100 cases. Qi LY, et al. **J Tradit Chin Med** 1986 Jun;6(2):105-10
22 cases of chronic aplastic anemia treated with traditional Chinese medicine and large doses of androgen. Qian FW, et al. **J Tradit Chin Med** 1987 Mar;7(1):68
An analysis of the therapeutic effect of acupuncture treatment in 500 cases of schizophrenia. Shi ZX, et al. **J Tradit Chin Med** 1986 Jun;6(2):99-104
Effects of traditional Chinese medicine of different treatment principles on hemagglutination and adhesion of uropathogenic Escherichia coli to uroepithelial cells. Sun DX, et al. **J Tradit Chin Med** 1987 Mar;7(1):53-6
Clinical and pharmacological study of the hemostatic action of rhizoma paridis by contraction of uterus. Tian Y, et al. **J Tradit Chin Med** 1986 Sep;6(3):178-82
Ultrastructural observation and glucose-6-phosphatase determination on the repair of rat experimental hepatic lesions by qing kai ling No. 1. Wang DW, et al. **J Tradit Chin Med** 1987 Mar;7(1):46-52
A medical classic compiled by a high-ranking official. Wang JX. **J Tradit Chin Med** 1986 Dec;6(4):312
A study of pharmacological actions of flos Acanthopanacis senticosi. Wang YM, et al. **J Tradit Chin Med** 1986 Dec; 6(4):297-300
The mechanism and the effects of Chinese traditional massage treatment on traumatic lumbar pain. Weng JY, et al. **J Tradit Chin Med** 1986 Sep;6(3):168-70
Hyperthyroidism treated with "yiqiyangyin" decoction.Xia SN, et al. **J Tradit Chin Med** 1986 Jun;6(2):79-82
[A study on the relation between phlegm-stagnant type coronary heart disease and serum lipid levels. Xu JM, et al. **J Tradit Chin Med** 1986 Sep;6(3):183-6
A synopsis of Chinese ancient therapeutic methods. Yu YA. **J Tradit Chin Med** 1986 Jun;6(2):151-4
Further notes on the Chinese medicinal species of genus Trichosanthes L. Yue CX. **J Tradit Chin Med** 1986 Dec; 6(4):288
Effect of li ren (semen litchi) anti-diabetes pills in 45 cases of diabetes mellitus. Zhang H, et al. **J Tradit Chin Med** 1986 Dec;6(4):277-8
Experimental hydronephrosis from incarcerated ureterolithiasis: treatment with the kidney warming and a diuresis-promoting regimen. Zhang JG, et al. **J Tradit Chin Med** 1987 Mar;7(1):63-6
Effect of radix Salviae miltiorrhizae on calcium deposition in experimental fracture. Zhang JY, et al. **J Tradit Chin Med** 1986 Sep;6(3):207-12
Observation on the result of treatment of female infertility in 343 cases. Zhang LL. **J Tradit Chin Med** 1986 Sep; 6(3):175-7
The king of medicine Sun Simiao. Zheng BC. **J Tradit Chin Med** 1986 Dec;6(4):310-1
"Prime minister in the mountains"--the ancient physician Tao HongJing. Zheng BC. **J Tradit Chin Med** 1986 Sep; 6(3):231-2
Inhibition of aldose reductase activities by kampo medicines. Aida K, et al. **Planta Med** 1987 Apr;53(2):131-5
Inhibitory action of shosaikoto and daisaikoto (traditional Chinese medicine) on collagen-induced platelet aggregation and prostaglandin biosynthesis. Amagaya S, et al. **Planta Med** 1986 Oct;(5):345-9
Biological active macrocyclic diterpenoids from Chinese drug "fáng féng cáo"; II. Derivatives of ovatodiolids and their cytotoxicity. Arisawa M, et al. **Planta Med** 1986 Aug;

(4):297–9
Effects of kampohozai (Chinese traditional medicines) on the immune responses; I. In vivo studies of hochuekkito, juzendaihoto and tokishakuyakusan using sheep red blood cell as antigen in mice. Iwama H, et al. **Planta Med** 1986 Aug;(4):247–50
Effects of Japanese and Chinese traditional medicine "hachimi-gan" ("ba-wei-wan") on lipid metabolism in rats fed high sugar diet. Kimura Y, et al. **Planta Med** 1987 Apr; 53(2):128–31
Antitussive effects of L-ephedrine, amygdalin, and makyokansekito (Chinese traditional medicine) using a cough model induced by sulfur dioxide gas in mice. Miyagoshi M, et al. **Planta Med** 1986 Aug;(4):275–8
An oriental point of view in psychosomatic medicine. Ikemi Y, et al. **Psychother Psychosom** 1986;45(3):118–26
Traditional Cambodian health beliefs and practices. Understanding Cambodian traditions will facilitate their care in a Western setting. Aronson L. **RI Med J** 1987 Feb; 70(2):73–8
Problems of knowledge in contemporary Chinese medical discourse. Farquhar J. **Soc Sci Med** 1987;24(12):1013–21
Traditional Chinese medicine: some historical and epistemological reflections. Unschuld PU. **Soc Sci Med** 1987;24(12):1023–9
Rural Korean housewives' attitudes towards illness. Park SI. **Yonsei Med J** 1987;28(2):105–11
[Primary approach to visualize the courses of channels by use of isotopes] Meng JB, et al. **Chen Tzu Yen Chiu** 1987; 12(1):77–81 (Eng. Abstr.) (Chi)
[Experimental observations on the clinical application of the electrogastrogram (EGG) and its relationship to the differentiation of traditional Chinese medicine (TCM) and acupuncture] Weng TL, et al. **Chen Tzu Yen Chiu** 1986; 11(1):27–30 (Eng. Abstr.) (Chi)
[Preliminary clinical observations on mebendazole and traditional Chinese medicine treatment in 57 cases with echinococcosis] Jiang CP.
Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1986;4(3):209–11 (Eng. Abstr.) (Chi)
[Experimental study on the acute blood stasis model in rabbits] Bao J. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Jun; 6(6):357–9, 326 (Eng. Abstr.) (Chi)
[Therapeutic effect of bian zheng shi zhi on patients with coronary heart disease] Bao YX, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jul;6(7):399–402, 387 (Eng. Abstr.) (Chi)
[Nitrogen balance in uremic patients treated with rhubarb retention enema] Bi ZQ.
Chung Hsi I Chieh Ho Tsa Chih 1987 Jan;7(1):21–3, 4 (Eng. Abstr.) (Chi)
[Traditional Chinese medicine and Western medicine treatment of submaxillary adenitis. A report of 22 cases] Chen BS. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr; 6(4):238, 197 (Eng. Abstr.) (Chi)
[Analysis of left ventricle function in chronic nephritis and its classification according to traditional Chinese medicine] Chen JW, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Aug; 6(8):468–70, 452–3 (Eng. Abstr.) (Chi)
[Clinical and experimental study on the antitumor effect of cockroach extract] Chen LM.
Chung Hsi I Chieh Ho Tsa Chih 1986 Nov;6(11):647–50, 643 (Eng. Abstr.) (Chi)
[Diagnosis and treatment of acute renal failure] Chen MF.
Chung Hsi I Chieh Ho Tsa Chih 1987 Jan;7(1):45–7 (Chi)
[Observation on experimental glomerulonephritis treated with yu ping feng san] Chen MF, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Apr;6(4):229–30, 197 (Eng. Abstr.) (Chi)
[A decoction activating blood circulation and removing stasis in the treatment and prevention of intrauterine adhesions] Chen XZ, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Dec; 6(12):740–2 (Chi)
[Treatment of chronic renal failure with traditional Chinese medicine. Follow-up of 90 cases] Chen YP.
Chung Hsi I Chieh Ho Tsa Chih 1986 Aug;6(8):465–7, 452 (Eng. Abstr.) (Chi)
[Analysis of factor discrimination in blood stasis syndrome during an acute attack of cor pulmonale] Chen ZY, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb;7(2):75–7, 67 (Eng. Abstr.) (Chi)
[Clinical curative effects of couch-suturing of cataract. Long-term follow-up study] Cheng XX, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Feb;7(2):91–2, 69 (Eng. Abstr.) (Chi)
[Hemodynamic consequences of the heart-protecting musk pill and its effect on left ventricular performance in coronary heart disease] Dai RH, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jun;6(6):329–31, 323 (Eng. Abstr.) (Chi)
[Effect of herbal enema mixture no. 1 on experimental acute renal failure] Deng WL.
Chung Hsi I Chieh Ho Tsa Chih 1986 Apr;6(4):225–8, 196 (Eng. Abstr.) (Chi)
[Survey of studies on xiao qinglong decoction in the treatment of bronchial asthma in children in Japan] Ding PZ. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Jan;7(1):60–1 (13 ref.) (Chi)
[Effects of Rehmannia glutinosa, Plastrum testudinis, Aconitum carmichaeli and Cinnamomum cassia on the beta-adrenergic receptors of hyperthyroid rat kidneys] Feng GP, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Oct; 6(10):606–8, 582 (Eng. Abstr.) (Chi)
[Clinical observations on the treatment of sudden deafness with concentrated Angelica injection] Feng Y, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Sep;6(9):536–7, 516 (Eng. Abstr.) (Chi)
[Observations on somatosensory evoked potential changes before and after traditional manipulation for cervical radiculo-spondylosis] Gu H.
Chung Hsi I Chieh Ho Tsa Chih 1986 Dec;6(12):734–6, 709–10 (Eng. Abstr.) (Chi)
[Clinical observations on the treatment of the gestational hypertension syndrome with Angelica and Paeonia powder] Guo TL, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Dec;6(12):714–6, 707 (Eng. Abstr.) (Chi)
[Observations on the therapeutic effect of qiang gan tang nos. 1 and 2 in treating 358 cases of chronic hepatitis] Han JH, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Sep; 6(9):526–9, 514 (Eng. Abstr.) (Chi)
[A survey of traditional Chinese medicine in the sick sinus syndrome] Han MX. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Jun;6(6):376–9 (34 ref.) (Chi)
[Research on the anticarcinogenic activation of Acorus calcamus. Anticarcinogenic activation of alpha-asarone on human carcinoma cells] Hu BY, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Aug;6(8):480–3, 454 (Eng. Abstr.) (Chi)
[Assay of beta-adrenergic receptor function and evaluation of the preventive effects of wen yang pills in asthmatics] Hu GR. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb; 7(2):71–4, 67 (Eng. Abstr.) (Chi)
[Selection of indices of meditation in the practice of relaxation exercise] Hu SQ, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jun;6(6):348–50, 325 (Eng. Abstr.) (Chi)
[Pathologic observation of various types of spleen deficiency in gastropathy] Hua PX.
Chung Hsi I Chieh Ho Tsa Chih 1986 Apr;6(4):213–4, 195 (Eng. Abstr.) (Chi)
[Trends in studies on antineoplastic herbal drugs in China] Jiang TL, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Nov; 6(11):698–702 (38 ref.) (Chi)
[Clinical effect and experimental study on folium Sennae in acute gastroduodenal hemorrhage] Jin YC, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Aug;6(8):455–7, 451 (Eng. Abstr.) (Chi)
[Experimental research on the yin-yang of traditional Chinese medicine (V): Effect of Aconitum carmichaeli and Cinnamomum cassia on hypertension induced by adrenal regeneration in rats] Kuang AK, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jun;6(6):353–6, 326 (Eng. Abstr.) (Chi)
[Effects of Codonopsis pilosula on experimental gastric ulcers in the rat] Li H, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Mar;7(3):163–5, 134 (Eng. Abstr.) (Chi)
[Clinical observation and experimental research on the treatment of chronic pelvic inflammation with "fu yan kang"] Li H, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr;6(4):222–4, 196 (Eng. Abstr.) (Chi)
[Clinical and experimental studies on the treatment of peptic ulcer with jianwei yuyang tablets] Li JB, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Mar;7(3):151–3, 132 (Eng. Abstr.) (Chi)
[Advances in research on Chinese drugs for anti-myocardium ischemia] Li LD. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Jan;7(1):57–9 (60 ref.) (Chi)
[Observation on the efficacy of treating upper digestive bleeding with radix Boehmoriae extract] Li LS.
Chung Hsi I Chieh Ho Tsa Chih 1986 Aug;6(8):463–4, 451–2 (Eng. Abstr.) (Chi)
[Studies on the tongue in acute abdominal diseases. Report of 614 cases] Li NM, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Nov;6(11):662–4, 644 (Eng. Abstr.) (Chi)
[Changes in the impedance pulmonary rheogram in cor pulmonale patients treated by traditional Chinese medicine and Western medicine] Li TQ, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Feb;7(2):78–9, 68 (Eng. Abstr.) (Chi)
[A study on the anti-infection effect of Chinese traditional ointment for external application. Effect on the activation of peritoneal macrophages of mice and their phagocytosis] Li XL. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Aug;6(8):486, 454 (Eng. Abstr.) (Chi)
[Preliminary observation on trace elements in the hair of senile male coronary disease patients with kidney deficiency] Liang GR, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Sep;6(9):543–5, 517 (Eng. Abstr.) (Chi)
[Preliminary study of the antitumor effect of the injection of traditional Chinese drugs] Liang YY, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Sep;6(9):549–51, 517 (Eng. Abstr.) (Chi)
[Observations on the relationship between "kidney deficiency" and changes in gonadal function in women with amenorrhea and oligomenorrhea] Liao DL, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Oct;6(10):590–2, 580 (Eng. Abstr.) (Chi)
[Antagonistic action of re du qing injection on the biological activity of endotoxin-induced DIC] Lin JS, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jul;6(7):425–7, 390 (Eng. Abstr.) (Chi)
[Adult diabetes mellitus treated with jiang tang jia tablets. Determination of left ventricular function in 38 cases] Lin L, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Mar; 7(3):148–50, 132 (Eng. Abstr.) (Chi)
[Artificial cycle with simplified traditional Chinese medicine triple therapy and an observation of its therapeutic efficacy in anovular infertility patients] Lin ZJ.
Chung Hsi I Chieh Ho Tsa Chih 1986 Dec;6(12):717–9, 707 (Eng. Abstr.) (Chi)
[Relation between the phenomenon of propagated sensation along channels and disease. Clinical observations of 418 cases] Liu CZ. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Aug; 6(8):474–6, 453 (Eng. Abstr.) (Chi)
[Clinical and experimental study of tong mai lin on ultrastructural changes in the platelets] Liu JW, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Oct;6(10):583–6, 579 (Eng. Abstr.) (Chi)
[A preliminary study on the material basis of the theory, "kidney has its specific opening in ears" in traditional Chinese medicine, from the point of view of calcium and phosphorus metabolism. Observation of 56 cases with kidney deficiency] Liu LM.
Chung Hsi I Chieh Ho Tsa Chih 1986 Sep;6(9):538–9, 516 (Eng. Abstr.) (Chi)
[Assay of alternative complement pathway activity in glomerulonephritis and its changes after treatment with Chinese traditional medicine] Liu WZ.
Chung Hsi I Chieh Ho Tsa Chih 1986 Apr;6(4):210–2 (Chi)
[Ultrastructural study of the effects of bulbus Allii and some other drugs on Staphylococcus aureus] Liu XG.
Chung Hsi I Chieh Ho Tsa Chih 1986 Dec;6(12):737–9, 710 (Eng. Abstr.) (Chi)
[Observation on clinical experiments in the treatment of chronic nasal sinusitis with ping zhi tablets] Liu YC.
Chung Hsi I Chieh Ho Tsa Chih 1986 Oct;6(10):596–8, 580 (Eng. Abstr.) (Chi)
[Role of peripheral catecholamine in the analgesic regulation of traction and massage] Liu ZC.
Chung Hsi I Chieh Ho Tsa Chih 1986 Sep;6(9):540–2, 516 (Eng. Abstr.) (Chi)
[Effect of an injection of a long kui compound on hepatoma H22 ascites ascites tumor cells in mice] Lu GZ, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Feb;7(2):97–9, 70 (Eng. Abstr.) (Chi)
[Traditional Chinese medicine and western medicine non-operative treatment by endoscopic sphincterotomy in choledocholithiasis. A report of 115 cases] Lu HZ, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Dec;6(12):728–9, 709 (Eng. Abstr.) (Chi)
[Treatment of tubulo-interstitial nephropathy and renal failure with traditional Chinese medicine and Western medicine under the guidance of the yin-yang balance theory and tubulo-glomerular feedback theory. Clinical analysis of 83 cases] Lu JJ.
Chung Hsi I Chieh Ho Tsa Chih 1986 Apr;6(4):201–4, 194 (Eng. Abstr.) (Chi)
[Effects of alkaloids of Corydalis yanhusuo on the ECG of rabbits and observations on the time and dose-effect relationship] Ma SX, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Dec;6(12):743–4, 710 (Eng. Abstr.) (Chi)
[A new method in treating open wounds of the fingers with traditional Chinese medicine and Western medicine. An analysis of 2,000 cases] Mao WX.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jul;6(7):403–7, 388 (Eng. Abstr.) (Chi)
[Curative effect of xiaoluowan in primary tuberculosis in adults] Na XM, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Mar;7(3):156–7, 133 (Eng. Abstr.) (Chi)
[Clinical observations on real-time ultrasonic explorations in treating the feeling of fullness in the chest and costal region with xiao chai hu decoction] Nie FZ, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jul;6(7):419–21, 389 (Eng. Abstr.) (Chi)
[Short-term effect of yu kui lin in treating peptic ulcer] Pu CS, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Aug; 6(8):460–2, 451 (Eng. Abstr.) (Chi)
[Observations on cerebral infarction treated with acupuncture and the patients' changes in hemorheological indices. Analysis of 100 cases] Qi LY.
Chung Hsi I Chieh Ho Tsa Chih 1986 Dec;6(12):730–3, 709 (Eng. Abstr.) (Chi)
[Effects of xiao chuan ning on types III and IV of allergic reaction] Qian BC. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Jan;7(1):38–41, 6 (Eng. Abstr.) (Chi)
[Endoscopic studies of chronic atrophic gastritis before and after medical treatment. A comparative report of 133 cases treated with traditional Chinese medicine or pentagastrin] Qian YN. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Sep; 6(9):533–5, 515 (Eng. Abstr.) (Chi)
[Traditional Chinese medicine combined with Western medicine in the treatment of diabetic peripheral neuropathy] Qian ZR, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Mar;7(3):140–2, 131 (Eng. Abstr.) (Chi)
[Relation between the tongue picture and epithelial cells of the tongue in patients with gastric cancer] Qin JH, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Jan;7(1):30–2, 5 (Eng. Abstr.) (Chi)

[A comprehensive study on NK cells, beta 2-microglobulin and fibronectins in patients with collagen disease and blood stasis syndrome] Qin WZ.
Chung Hsi I Chieh Ho Tsa Chih 1986 Nov;6(11):655-8, 643 (Eng. Abstr.) (Chi)

[Combined traditional and western therapy of infantile bronchial asthma. An observation on the therapeutic effects in 32 cases] Shi CF. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Nov;6(11):667-8, 645 (Eng. Abstr.) (Chi)

[Advances in research in traditional Chinese medicine combined with Western medicine in diabetes mellitus] Shi SZ. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Sep;6(9):573-6 (26 ref.) (Chi)

[Clinical and pathological observations on the treatment of chronic active hepatitis B with gan fu lin extract] Shi YX, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Sep;6(9):522-5, 514 (Eng. Abstr.) (Chi)

[Closed thoracic trauma treated with traditional Chinese medicine and Western medicine therapy. A clinical analysis of 150 cases] Shi ZQ, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jun;6(6):339-41, 323 (Eng. Abstr.) (Chi)

[Advances in the immunological study of viral hepatitis] Song XX. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb;7(2):115-8 (14 ref.) (Chi)

[Hemorheological study of yin-yang deficiency and syndrome differentiation] Song YT.
Chung Hsi I Chieh Ho Tsa Chih 1986 Aug;6(8):471-3, 453 (Eng. Abstr.) (Chi)

[Clinical use and experimental research on "san jie sheng ji" ointment] Sun CX. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Jul;6(7):408-12, 388 (Eng. Abstr.) (Chi)

[Clinical evaluation of crude rhubarb powder and cimetidine in upper gastrointestinal bleeding] Sun DA.
Chung Hsi I Chieh Ho Tsa Chih 1986 Aug;6(8):458-9, 451 (Eng. Abstr.) (Chi)

[An animal model for a heart deficiency syndrome induced by sleep deprivation] Sun FL, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Jan;7(1):35-7, 6 (Eng. Abstr.) (Chi)

[Preliminary study of tong-jing powders in the treatment of primary dysmenorrhea] Sun NS, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Dec;6(12):711-3 (Chi)

[Practice of Dr Zhang San Lai's combined use of Chinese and western drugs in infectious skin diseases] Sun QM.
Chung Hsi I Chieh Ho Tsa Chih 1987 Jan;7(1):55-6 (Chi)

[Combined treatment using traditional Chinese medicine and Western medicine of lupus crisis: a report of 10 cases] Tu BY. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr;6(4):215-7, 195 (Eng. Abstr.) (Chi)

[Clinical observation on the treatment of 101 hypertension patients with Pyrola rotundifolia preparation] Wang CH, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Oct;6(10):604-5, 581 (Eng. Abstr.) (Chi)

[Protective effect of Astragalus polysaccharide on ribonucleases and the ribonuclease inhibitor system] Wang DY, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb;7(2):93-6, 70 (Eng. Abstr.) (Chi)

[Effects of alkaloids of Corydalis decumbens on cerebral and peripheral circulation in the dog] Wang DY.
Chung Hsi I Chieh Ho Tsa Chih 1986 Aug;6(8):477-9, 454 (Eng. Abstr.) (Chi)

[Therapeutic effect of 42 cases of chronic obstructive pulmonary disease treated by traditional Chinese medicine combined with Western medicine] Wang HR.
Chung Hsi I Chieh Ho Tsa Chih 1987 Feb;7(2):80-2, 68 (Eng. Abstr.) (Chi)

[Clinical analysis of the effect of liq. Galla chinensis composit. given trans-endoscopically in treating 240 upper gastrointestinal bleeding patients] Wang HZ, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Oct;6(10):599-601, 581 (Eng. Abstr.) (Chi)

[Influence of the zhibao sanbian pill on immunologic function in mice] Wang L, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jun;6(6):360-1, 326 (Eng. Abstr.) (Chi)

[Advances in the treatment of epilepsy by traditional Chinese medicine] Wang QQ. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb;7(2):119-21, 127 (24 ref.) (Chi)

[Effects of qixue injections on the function of platelets in coronary disease patients] Wang SR, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Jan;7(1):12-4, 3 (Eng. Abstr.) (Chi)

[Observations on traditional Chinese medicine and Western medicine therapy in treating 124 nephrotic syndrome patients and controls] Wang XZ, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jul;6(7):422-4, 390 (Eng. Abstr.) (Chi)

[Clinical observations and experimental study of vulval dystrophy treated with traditional Chinese medicine] Wang YF. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Dec;6(12):723-5, 708 (Eng. Abstr.) (Chi)

[Preliminary observation on hypoglycemic responses in 214 diabetes mellitus patients treated with ganshao jiangtang tablets] Wang ZG. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Oct;6(10):593-5, 580 (Eng. Abstr.) (Chi)

[Comparative effectiveness of Chinese H3 and liu wei di huang wan in the treatment of the female climacteric syndrome] Wu XN. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Jun;6(6):336-8, 323 (Eng. Abstr.) (Chi)

[Vasorelaxant activities of atriopeptin III and blood activator no. II] Wu YS, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Sep;6(9):546-8, 517 (Eng. Abstr.) (Chi)

[An analysis of the treatment of severe viral hepatitis with traditional Chinese medicine and Western medicine] Xiang JZ. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Jun;6(6):345-7, 325 (Eng. Abstr.) (Chi)

[Traditional Chinese medicine and Western medicine in the treatment of sputum-positive tuberculosis; short-term follow-up studies] Xiao GF.
Chung Hsi I Chieh Ho Tsa Chih 1987 Mar;7(3):158-60, 133 (Eng. Abstr.) (Chi)

[Statistical analysis of ethnopharmacologic data on Chinese medicinal plants using an electronic computer I. Magnoliidae] Xiao PG, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Apr;6(4):253-6, 200, 197 (Eng. Abstr.) (Chi)

[Study on the nature of "cold" and "heat" syndromes in traditional Chinese medicine by determination of the amount of catecholamines and cyclic nucleotides excreted in the urine] Xie ZF. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Nov;6(11):651-4, 643 (Eng. Abstr.) (Chi)

[Membranous dysmenorrhea (dysmenorrhea of the type of stagnancy of vital energy and blood stasis)] Xu BC.
Chung Hsi I Chieh Ho Tsa Chih 1986 Dec;6(12):758-60 (23 ref.) (Chi)

[Relation between plasma thromboxane B2 and 6-keto-prostaglandin F1 alpha levels and traditional Chinese medicine in different types of ischemic heart disease patients] Xu QY, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Jan;7(1):15-7, 3-4 (Eng. Abstr.) (Chi)

[Experimental studies on the mechanism of inhibition of thrombus formation and blood coagulation in vitro with sheng-mai injection] Xu QY.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jul;6(7):428-9, 390 (Eng. Abstr.) (Chi)

[Observations on the therapeutic effect of traditional Chinese medicine treatment of 88 cases of chronic atrophic gastritis] Xu ZC. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Jun;6(6):342-4, 324 (Eng. Abstr.) (Chi)

[Clinical analysis of 23 cases of a cholecardiac syndrome treated with Chinese traditional medicine] Xu ZF.
Chung Hsi I Chieh Ho Tsa Chih 1987 Feb;7(2):83-5, 68 (Eng. Abstr.) (Chi)

[Injection of Angelica sinensis in treating infantile pneumonia and its experimental study in rabbits] Yan TY, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Mar;7(3):161-2, 133 (Eng. Abstr.) (Chi)

[Dynamic study of the interferon-stimulating effect of a polysaccharide of Acanthopanax senticosus on leukemic cell culture] Yang JC, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Apr;6(4):231-3, 197 (Eng. Abstr.) (Chi)

[A preliminary clinical observation on the effect of kang du wan on chronic HBV infection] Yang JY, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Sep;6(9):530-2, 515 (Eng. Abstr.) (Chi)

[Effects of Rheum tanguticum and its extracts on the flow of bile and pancreatic juice in the rat] Yang YZ, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Mar;7(3):166-8, 134 (Eng. Abstr.) (Chi)

[Current status of the treatment of prostatic hypertrophy] Yao XB. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Aug;6(8):510-2 (43 ref.) (Chi)

[Diagnosis and treatment of acute and severe diseases. Traditional Chinese medicine and Western medicine treatment of infantile diarrhea] Ye XL.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jun;6(6):370-2 (Chi)

[Studies on a pharmacological experiment with Corydalis ambigua] You CL, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Nov;6(11):675-6, 646 (Eng. Abstr.) (Chi)

[Clinical observations on 32 cases of infected wounds treated with traditional Chinese medicine and Western medicine] Yu DG, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Jul;6(7):413-5, 388 (Eng. Abstr.) (Chi)

[Regulating effect on the hypothalamo-hypophyseo-ovarian axis observed during the process of treating polycystic ovarian disease by tonifying the kidney and resolving phlegm] Yu J. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr;6(4):218-21, 195-6 (Eng. Abstr.) (Chi)

[Effect of tonic prescriptions on platelet aggregation] Yu SZ, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb;7(2):100-1, 70 (Eng. Abstr.) (Chi)

[Effect of chuan-xiong granules on platelet aggregation, plasma beta-thromboglobulin, platelet factor IV, thromboxane B2 and 6-keto-prostaglandin F1 alpha in coronary disease patients] Yu Z, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Jan;7(1):8-11, 3 (Eng. Abstr.) (Chi)

[A clinical study of channel distribution of vitiligo] Zeng ZM, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Nov;6(11):672-4, 645 (Eng. Abstr.) (Chi)

[Comparative study of the therapeutic effects of herbal enema mixture no. 1 and hemodialysis on acute kidney failure] Zhai FM. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr;6(4):198-200 (Chi)

[Diabetic peripheral nerve complications treated with traditional Chinese medicine] Zhang FL.
Chung Hsi I Chieh Ho Tsa Chih 1987 Mar;7(3):143-5, 131 (Eng. Abstr.) (Chi)

[Changes of vegetative nervous function in qi deficiency patients] Zhang JR, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jun;6(6):351-2, 325 (Eng. Abstr.) (Chi)

[Effect of various methods of promoting the secretion of breast milk] Zhang RY, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Feb;7(2):89-90, 69 (Eng. Abstr.) (Chi)

[Comparative investigation of the therapeutic efficacy of Anhui beimu (Fritillaria anhuiensis) and Sichuan beimu (Frit. delavayi)] Zhang SH, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jul;6(7):416-8, 389 (Eng. Abstr.) (Chi)

[Studies on anti-platelet aggregation effect of Allitridi in hypercholesterolemic rabbits] Zhang SL, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Nov;6(11):677-8, 646 (Eng. Abstr.) (Chi)

[Clinical observation on the effect of an AOAP regimen in acute non-lymphatic leukemia] Zhang TD, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Oct;6(10):602-3, 581 (Eng. Abstr.) (Chi)

[Treatment of hemorrhage of the upper gastro-intestinal tract with the Chinese drug hai huang san. Analysis of 50 cases] Zhang WL. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Nov;6(11):665-6, 644 (Eng. Abstr.) (Chi)

[A complex therapy of electricity and traditional Chinese medicinal hot packs for pains in the extremities. Analysis of 6734 cases] Zhang YX, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Nov;6(11):659-61, 644 (Eng. Abstr.) (Chi)

[Nailfold microcirculation in uterine myoma. Analysis of 61 cases] Zhao HF. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb;7(2):86-8, 69 (Eng. Abstr.) (Chi)

[Observations on hematologic parameters in thromboangiitis obliterans of the blood stasis syndrome] Zheng P.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jun;6(6):332-5, 323 (Eng. Abstr.) (Chi)

[Effect of the herbal mixture jiang qi ding chuan san on heart and lung function in asthmatics] Zhong NX, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Jan;7(1):24-5, 4-5 (Eng. Abstr.) (Chi)

[Chrysanthemum morifolium in the treatment of hypertension] Zhou YL.
Chung Hsi I Chieh Ho Tsa Chih 1987 Jan;7(1):18-20, 4 (Eng. Abstr.) (Chi)

[Clinical observation on chronic glomerulonephritis treated with traditional Chinese medicine and Western medicine] Zhou ZB. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr;6(4):208-9, 194-5 (Eng. Abstr.) (Chi)

[Clinical observations on the therapeutic results in 232 cases of vitiligo] Zhu GD. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Nov;6(11):669-71, 645 (Eng. Abstr.) (Chi)

[Long-term effect of 60 cases of nephrotic syndrome treated with traditional Chinese medicine and Western medicine] Zhu PJ. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr;6(4):205-7, 194 (Eng. Abstr.) (Chi)

[A preliminary study on the relation between syndrome differentiation of 104 stomach ache patients and their patho-histologic changes] Zhu YH.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jul;6(7):396-8, 387 (Eng. Abstr.) (Chi)

[Preliminary study of the effect of wurenchun for prolonging the survival time of cardiac tissue allografts in mice] Zhuang HM, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Jan;7(1):33-4, 6 (Eng. Abstr.) (Chi)

[Potentiation by Rabdosia rubescens on chemotherapy of advanced esophageal carcinoma] Wang RL, et al.
Chung Hua Chung Liu Tsa Chih 1986 Jul;8(4):297-9 (Eng. Abstr.) (Chi)

[Preliminary evaluation of the combination of Chinese herbal medicine (destagnation) and radiotherapy for esophageal cancer] Yang ZY, et al.
Chung Hua Chung Liu Tsa Chih 1987 Jan;9(1):48-9 (Eng. Abstr.) (Chi)

[Clinical observation and experimental study of the treatment of menorrhagia with tiaojing I]
Chung Hua Fu Chan Ko Tsa Chih 1986 Jul;21(4):215-8, 252 (Eng. Abstr.) (Chi)

[Pre-operative preparation of the intestinal tract with Chinese materia medica] **Chung Hua Hu Li Tsa Chih** 1987 Mar;22(3):115-6 (Chi)

[Nursing care of patients with a simple bending-shaped compressive fracture of the thoracic and lumbar vertebra]
Chung Hua Hu Li Tsa Chih 1986 Aug;21(5):202-3 (Chi)

[Experience in training teachers of traditional Chinese medicine in nursing] He BC.
Chung Hua Hu Li Tsa Chih 1987 Feb;22(2):92-3 (Chi)

[Care of patients with acute urinary tract infection treated by Chinese herbal drugs] Liu P.
Chung Hua Hu Li Tsa Chih 1987 Mar;22(3):116-7 (Chi)

[Nursing service in the traditional Chinese medicine ward] Shu YL. **Chung Hua Hu Li Tsa Chih** 1986 Dec;21(9):392-3 (Chi)

[Side-effects caused by the combined use of traditional Chinese and Western drugs] Xu YZ.
Chung Hua Hu Li Tsa Chih 1986 Aug;21(5):217-8 (Chi)

[Effect of ligustrazine and salvia miltiorrhiza on microcirculation in the hamster cheek pouch] Xue QF.
Chung Hua I Hsueh Tsa Chih 1986 Jun;66(6):334-7, 382 (Eng. Abstr.) (Chi)

[Effect of Ligusticum wallichii and Radix astragali on

microcirculation in the hamster cheek pouch] Xue QF. **Chung Hua I Hsueh Tsa Chih** 1986 Jul;66(7):409–12, 448 (Eng. Abstr.) (Chi)
[Study on the pharmacology of qingwei san] Li CL. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jan;21(1):44–6, 63 (Eng. Abstr.) (Chi)
[Treatment of recurrent aphthous ulcer in the female based on the differentiation of symptoms and signs] Zhang XB. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jan;21(1):47–9 (Chi)
[Present status and trends in antidiabetic drugs] Liu CY. **Chung Hua Nei Ko Tsa Chih** 1986 Nov;25(11):694–6 (15 ref.) (Chi)
[Treatment of 61 cases of neurosis by traditional Chinese medical theory] Yu YH. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1986 Oct; 19(5):309–10 (Eng. Abstr.) (Chi)
[Treatment of neurasthenia with combined western and traditional Chinese medicine by basing therapy on type differentiation of the disease] Zhou K. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1986 Oct; 19(5):306–8 (Eng. Abstr.) (Chi)
[Experimental study on the effect of Corydalis stricta Steph. against Echinococcus granulosus protoscolices in man] Chen QM, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Dec; 24(12):768–9, 783 (Eng. Abstr.) (Chi)
[Photodynamic damage of hematoporphyrin derivative on red cell membrane and the antioxidant effect of some Chinese drugs] Fu NW. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1987 Apr; 9(2):147–51 (Eng. Abstr.) (Chi)
[Effect of "huoxue huayu" injections on pulmonary pathological changes caused by paraquat in the rat] Xu SH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Oct; 8(5):358–61 (Eng. Abstr.) (Chi)
[Effects of Tremella polysaccharides on synthesis of protein and on glycogen content in normal and injured livers of mice] Yue W, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jul;7(4):364–7 (Eng. Abstr.) (Chi)
[Effect of Bupleurum kunmingense polysaccharides on the weight of the spleen, thymus and proliferation of lymphocyte and plaque forming cells in mice] Zhang LX, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Sep;7(5):479–81 (Eng. Abstr.) (Chi)
[Pharmacognostical studies on the Chinese drug guanzhong produced in the southwest] Ai TM. **Chung Yao Tung Pao** 1987 Mar;12(3):6–9 (Chi)
[Technic of culturing Fritillaria thunbergii] Bao DF. **Chung Yao Tung Pao** 1987 Jan;12(1):15–6 (Chi)
[Solvent extraction and isolation of alkaloids A and B from Senecio fuberi] Cai DG. **Chung Yao Tung Pao** 1987 Mar; 12(3):40, 44 (Chi)
[Platelet hemopoiesis and ultrastructure observations in mice treated with natural Cordyceps sinensis and its cultured mycelia] Chen DM. **Chung Yao Tung Pao** 1987 Jan; 12(1):47–9 (Chi)
[Pharmacological studies on notoginseng saponins isolated from the fibrous root of Panax notoginseng] Chen QS. **Chung Yao Tung Pao** 1987 Mar;12(3):45–7 (Chi)
[Research on Calculus bovis] Chen SP. **Chung Yao Tung Pao** 1987 Mar;12(3):59–61 (Chi)
[Experimental study on the articular sac of the rabbit after an injection of aqueous extract of Plantago asiatica] Chen YH. **Chung Yao Tung Pao** 1986 Nov;11(11):46–7 (Chi)
[Pharmacological study on Chinese medicinal herbs used in orthopedics and traumatology] Chen YP. **Chung Yao Tung Pao** 1986 Jul;11(7):3–6 (Chi)
[Experimental observation of the effect of e-jiao on vascular permeability in rabbits] Cheng XC. **Chung Yao Tung Pao** 1986 Dec;11(12):47–51 (Chi)
[Determination of aristolochic acid in radix Stephaniae tetradrae (Aristolochia fangchi)] Chou LD. **Chung Yao Tung Pao** 1986 Jun;11(6):43–5 (Chi)
[Experimental studies of decoctions of Chinese drugs for rectal administration] Dend JZ. **Chung Yao Tung Pao** 1986 May;11(5):30–2 (Chi)
[Traditional methods of collecting and processing 8 species of wild medicinal animals] Ding HG. **Chung Yao Tung Pao** 1986 Aug;11(8):10–2 (Chi)
[Antitumor activity of Cordyceps sinensis and cultured Cordyceps mycelia] Du DJ. **Chung Yao Tung Pao** 1986 Jul;11(7):51–4 (Chi)
[Chemical constituents of Notopterygium incisum (III). Analysis of sugars, amino acids and organic acids] Fan JF. **Chung Yao Tung Pao** 1986 Sep;11(9):44–6 (Chi)
[Active protein constituents from the kernel of Prunus persica] Fang XD. **Chung Yao Tung Pao** 1986 Nov; 11(11):37–9 (Chi)
[Pharmacological studies on zhengchaihuyin] Fu HY. **Chung Yao Tung Pao** 1986 May;11(5):47–51 (Chi)
[The proper time of spraying the leaves of Coix lacrymajobi with phosphorus] Fu JG. **Chung Yao Tung Pao** 1986 Sep; 11(9):8–9 (Chi)
[Chemical constituents of heiman (Tripterygium regelii)] Gao QP. **Chung Yao Tung Pao** 1987 Jan;12(1):41–2 (Chi)
[Effects of saponins extracted from the Panax ginseng rhizome on primary cultured heart cells of the neonatal rat] Gong JL. **Chung Yao Tung Pao** 1987 Mar;12(3):47–9 (Chi)
[Effect of regulation by the C21 steroid ester glycoside from Cynanchum auriculatum in immunosuppressed mice] Gu LG. **Chung Yao Tung Pao** 1986 Nov;11(11):50–2 (Chi)
[Progress and improvement of mongolian drugs] Gu WZ. **Chung Yao Tung Pao** 1986 May;11(5):3–6 (Chi)
[Haemostatic effect of crude crystals of processed human hair] Gu YF. **Chung Yao Tung Pao** 1986 Aug;11(8):47–9 (Chi)
[Determination of triptolide in ethyl acetate extracts of leigongteng and their tablets] Guo XF. **Chung Yao Tung Pao** 1986 Aug;11(8):38–40 (Chi)
[The resources of the Chinese traditional medicine mabo in Guizhou Province] He SZ. **Chung Yao Tung Pao** 1986 Sep; 11(9):14–6 (Chi)
[Determination of the chemical constituents in styptic powder No 4.] He YL. **Chung Yao Tung Pao** 1986 Sep; 11(9):40–2 (Chi)
[Anti-inflammatory effects of extracts of Amphicome arguta] Huang LY. **Chung Yao Tung Pao** 1987 Feb;12(2):54–6 (Chi)
[Comments on Ranghe from the viewpoint of Chinese materia medica] Huang SB. **Chung Yao Tung Pao** 1987 Jan; 12(1):3–5 (Chi)
[TLC-fluorometric determination of psoralen and isopsoralen in compound granules of Psoralea] Huang XS. **Chung Yao Tung Pao** 1987 Jan;12(1):26–9 (Chi)
[Determination of hydroxygenkwanin in the leaves of Daphne genkwa] Ji CR. **Chung Yao Tung Pao** 1986 Jul; 11(7):43–4 (Chi)
[Influence of processing methods on the quality of Terminalia chebula] Jiang JY. **Chung Yao Tung Pao** 1986 Sep; 11(9):24–6 (Chi)
[On the theories of preparing traditional Chinese medicines with vinegar in the past] Ju MQ. **Chung Yao Tung Pao** 1987 Jan;12(1):18–20 (Chi)
[Biological characteristics of Fritillaria thunbergii grown in Hubei Province] Li DY. **Chung Yao Tung Pao** 1986 Sep; 11(9):5–7 (Chi)
[Chemical analysis of duzhong (Eucommia ulmoides) bark and leaves] Li JS. **Chung Yao Tung Pao** 1986 Aug; 11(8):41–2 (Chi)
[Regulation of immune gene synthesis in mice by cixichunbao granule] Li M. **Chung Yao Tung Pao** 1986 Dec;11(12):52–4 (Chi)
[Antibacterial and anti-inflammatory constituents of the organic acids of Chinese herbal drugs] Li ML. **Chung Yao Tung Pao** 1986 Jun;11(6):57–60 (29 ref.) (Chi)
[Method of stewing the cortex of mudan radicis in medical potions] Li SZ. **Chung Yao Tung Pao** 1986 May;11(5):36–7 (Chi)
[Pharmacology of a cholecystagogic mixture] Li XF. **Chung Yao Tung Pao** 1986 Oct;11(10):48–50 (Chi)
[Mutagenic evaluation of the Chinese drug C, L, T, G pill consisting of Daphne genkwa, Euphorbia kansui, Euphorbia pekinensis, Glycyrrhiza uralensis tested in Salmonella typhimurium and B. subtilis] Lin TG. **Chung Yao Tung Pao** 1986 Nov;11(11):48–9 (Chi)
[Studies of chemical constituents of the genus Typha—the cattails] Liu FJ. **Chung Yao Tung Pao** 1986 Sep;11(9):3–4 (22 ref.) (Chi)
[Preparation and clinical use of the micro-capsule of oil of Atractylodiae chinensis] Liu SF. **Chung Yao Tung Pao** 1986 Nov;11(11):58–61 (Chi)
[Clinical application of the theory of the attributive channel of traditional Chinese medicine] Liu SQ. **Chung Yao Tung Pao** 1986 Dec;11(12):56–8 (Chi)
[Chemical constituents of the Tibetan drug Meconopsis punicea] Liu SY. **Chung Yao Tung Pao** 1986 Jun;11(6):40–2 (Chi)
[Studies on jiangmeiling chongji] Liu WH. **Chung Yao Tung Pao** 1987 Mar;12(3):32–3, 64 (Chi)
[Preliminary studies on the compatibility of pingchuan no. 2 preparation] Liu XP. **Chung Yao Tung Pao** 1986 Jun; 11(6):31–2 (Chi)
[Trends in research on the active constituents of Chinese medicinal herbs used for cardio-cerebrovascular diseases] Liu ZZ. **Chung Yao Tung Pao** 1986 Oct;11(10):3–6 (28 ref.) (Chi)
[Effects of different kinds of processed radix Glycyrrhizae on the activities of the isolated rabbit gut] Lu GY. **Chung Yao Tung Pao** 1986 Sep;11(9):21–3 (Chi)
[Preliminary study on the quality control of banlangen chongji] Lu RG. **Chung Yao Tung Pao** 1986 Jul;11(7):33–4 (Chi)
[Chemical constituents of Cistanche deserticola] Luo SF. **Chung Yao Tung Pao** 1986 Nov;11(11):41–2 (Chi)
[Determination of trace metals in the decoction of Ephedra, almond, plaster and glycyrrhiza by atomic absorption spectrophotometry] Ma CL. **Chung Yao Tung Pao** 1986 Oct;11(10):45–7 (Chi)
[Factors influencing the quality of a Chinese herbal medicine decoction] Meng GR. **Chung Yao Tung Pao** 1986 Nov; 11(11):29–32 (Chi)
[Pharmacological action of Astragalus membranaceus on the central nervous system in mice] Pan SY. **Chung Yao Tung Pao** 1986 Sep;11(9):47–9 (Chi)
[Bioavailability of a pediatric antiphlogistic suppository] Qin XD. **Chung Yao Tung Pao** 1986 Oct;11(10):30–1 (Chi)
[Effect of gamboge acid on the cell cycle of HeLa cells with flow cytometry] Qui XH. **Chung Yao Tung Pao** 1986 Oct; 11(10):51–3 (Chi)
[Anti-coagulation effect in vitro of danshan and its three chemical extracts] Shi YD. **Chung Yao Tung Pao** 1986 Jul; 11(7):48–50 (Chi)
[General survey on medicinal plants of the Gentianaceae family in China] Song WZ. **Chung Yao Tung Pao** 1986 Nov; 11(11):3–7 (44 ref.) (Chi)
[Antimicrobial activity of dauricines] Su F. **Chung Yao Tung Pao** 1986 Nov;11(11):52–4 (Chi)
[Effect of glycyrrhiza on liver microsomal enzymes in mouse liver homogenates] Tan YZ. **Chung Yao Tung Pao** 1986 Oct;11(10):55–6 (Chi)
[Textual research on leishu according to Bencao (Chinese materia medica)] Wang N. **Chung Yao Tung Pao** 1987 Mar; 12(3):3–5 (Chi)
[Effects of constituents of the roots of Rosa multiflora on hyperlipemia] Wang XY. **Chung Yao Tung Pao** 1986 Jun; 11(6):55–6 (Chi)
[Identification of xiaohuoluo wan by TLC scanning method] Wang YC. **Chung Yao Tung Pao** 1986 Jul;11(7):17–20 (Chi)
[Examination of the new technology of processing Mylabris by a baking method] Wang ZY. **Chung Yao Tung Pao** 1986 Jul;11(7):22–4 (Chi)
[Pharmacological study on the effect of herba Pimpinella thellugiana on the metabolism of animal proteins] Wei DQ. **Chung Yao Tung Pao** 1986 Sep;11(9):53–4 (Chi)
[Changes in the quality of stored sugar-coated tablets used in Chinese medicine] Wen XP. **Chung Yao Tung Pao** 1986 Jul;11(7):31–2 (Chi)
[Effect of processing on the antipyretic action of rhubarb] Wu LY. **Chung Yao Tung Pao** 1986 Jun;11(6):24–6 (Chi)
[Preliminary exploration of Zhong-jing's oral administration method] Wu RL. **Chung Yao Tung Pao** 1986 Sep;11(9):56–8 (Chi)
[General survey and examination of the resources of Chinese drugs in Wushan Area] Xiao ZH. **Chung Yao Tung Pao** 1986 Dec;11(12):14–6 (Chi)
[Effects of buyanghuanwu decoction on heart function and myocardial blood flow] Xie RM. **Chung Yao Tung Pao** 1987 Feb;12(2):51–2 (Chi)
[Antiarrhythmic action and toxicity of shenmai injection] Xing SL. **Chung Yao Tung Pao** 1987 Feb;12(2):48–50 (Chi)
[Influence of plucking flowers on the yield and growth of beimu] Xu SA. **Chung Yao Tung Pao** 1987 Mar;12(3):12–3 (Chi)
[Relation of pungent of Chinese materia medica to their attributive channels, functions and chemical constituents] Yan YQ. **Chung Yao Tung Pao** 1987 Jan;12(1):53–6 (Chi)
[GC-MS analysis of volatile oils from Chinese Asarum species] Yang CS. **Chung Yao Tung Pao** 1986 Jul; 11(7):39–43 (Chi)
[Determination of lead in plasters and its uses] Yang H. **Chung Yao Tung Pao** 1987 Mar;12(3):29–31 (Chi)
[Determination of sucrose in shiquan dabu gao by optical rotation] Yang QL. **Chung Yao Tung Pao** 1986 Sep; 11(9):32–3 (Chi)
[Effect of water-extracts of leaves of luobuma (Apocynum lancifolium) on hyperlipemia in mice] Yang SY. **Chung Yao Tung Pao** 1986 Jun;11(6):50–2 (Chi)
[Studies on the origin and chemical constituents of the Cervus nippon embryo] Yang XC. **Chung Yao Tung Pao** 1987 Jan; 12(1):6–9 (Chi)
[Antibacterial action of shanxiangyuan produced by different technology products] Yang YF. **Chung Yao Tung Pao** 1986 Aug;11(8):30–2 (Chi)
[Chemical constituents of Typha angustata and Typha angustifolia] Yang YH. **Chung Yao Tung Pao** 1986 Dec; 11(12):39–42 (Chi)
[Chemical studies on the stems of Panax ginseng C.A. Meyer: (1). Isolation and identification of ginseng stem saponins I, II and III] Yang Z. **Chung Yao Tung Pao** 1987 Mar; 12(3):36–40 (Chi)
[Immunopharmacological studies on radix Polygoni multiflori and its preparations] Ye DJ. **Chung Yao Tung Pao** 1987 Mar;12(3):21–4 (Chi)
[Processing of frankincense] Yin YS. **Chung Yao Tung Pao** 1986 Oct;11(10):22–4 (Chi)
[Quantitative determination of astragaloside A in Astragalus membranaceus] Yu JH. **Chung Yao Tung Pao** 1986 Sep; 11(9):38–40 (Chi)
[Chemical constituents of Drymaria cordata] Yuan AX. **Chung Yao Tung Pao** 1987 Jan;12(1):36–7 (Chi)
[Identification of yinianjin] Zang FH. **Chung Yao Tung Pao** 1986 May;11(5):32–4 (Chi)
[Chemical studies on the quaternary alkaloids of beidougen tablet] Zhang JF. **Chung Yao Tung Pao** 1986 Jun;11(6):45–7 (Chi)
[History of realgar processing] Zhang JX. **Chung Yao Tung Pao** 1987 Mar;12(3):55–8 (Chi)
[Preliminary study on the method of balanced developing production of radix Pseudostellariae] Zhang LS. **Chung Yao Tung Pao** 1987 Mar;12(3):14–5 (Chi)
[Method of processing the Chinese traditional drug wu gong] Zhang NR. **Chung Yao Tung Pao** 1986 Nov;11(11):21–3 (Chi)
[Lewis lung cancer of mice treated with Cordyceps sinensis and its artificial cultured mycelia] Zhang SL. **Chung Yao Tung Pao** 1987 Feb;12(2):53–4 (Chi)
[Preliminary study of the chemical constituents of earthworm daping II] Zhao CG. **Chung Yao Tung Pao** 1986 May; 11(5):40–1 (Chi)

[Medicinal plants of the genus Stephania in Sichuan Province] Zhao SY. **Chung Yao Tung Pao** 1986 Aug;11(8):18–9 (Chi)

[Chemical studies of the alkaloids of Veratrum maackii] Zhao WJ. **Chung Yao Tung Pao** 1986 May;11(5):38–9 (Chi)

[Antipyretic and anti-inflammatory effects of the Chinese herbal preparation reyanning recipes] Zhao WZ. **Chung Yao Tung Pao** 1986 May;11(5):54–5 (Chi)

[Trace elements in Chinese mineral drugs] Zhao ZJ. **Chung Yao Tung Pao** 1987 Mar;12(3):41–3 (Chi)

[An improved method of determining sulfur] Zhao ZJ. **Chung Yao Tung Pao** 1986 Aug;11(8):43–4 (Chi)

[Experimental study in the sterilization effect of Co60-gamma ray for Chinese traditional patent drugs] Zhen HS. **Chung Yao Tung Pao** 1986 Aug;11(8):33–4 (Chi)

[Preliminary study on the accumulation of dry matter, nitrogen and phosphorus in Ligusticum chuanxiong] Zhong WG. **Chung Yao Tung Pao** 1987 Jan;12(1):12–4 (Chi)

[Pharmacology of rubeigao] Zhou SF. **Chung Yao Tung Pao** 1987 Jan;12(1):43–6 (Chi)

[Delayed addition of some Chinese herb drugs in making decoctions] Zhou XL. **Chung Yao Tung Pao** 1986 Jun; 11(6):33–4 (Chi)

[Thin-layer chromatographic identifications of Cinnamomum cassia in four Chinese drug preparations such as tan yin pills and others] Zhu ZF. **Chung Yao Tung Pao** 1986 Oct; 11(10):33–5 (Chi)

[Chemical constituents of Morinda officinalis] Zhuo FX. **Chung Yao Tung Pao** 1986 Sep;11(9):42–3 (Chi)

[Chemical kindling induced by microinjection of Coriaria lactone into hippocampus in rabbits] Chen QX, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun;18(2):111–4 (Eng. Abstr.) (Chi)

[Histochemical study on rat brain during Coriaria lactone-induced epilepsy] Fang YX, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun;18(2):107–10 (Eng. Abstr.) (Chi)

[An epileptic model of the acute motor pattern induced by Coriaria lactone in rats] Liao DY, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun;18(2):97–100 (Eng. Abstr.) (Chi)

[An epileptic model of the partial somatomotor status epilepticus induced by Coriaria lactone in rats] Liao DY, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun; 18(2):101–3 (Eng. Abstr.) (Chi)

[An epileptic model of the generalized convulsion type of kindling induced by Coriaria lactone in rats] Wu LF, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun;18(2):104–6 (Eng. Abstr.) (Chi)

[Studies on the application of spectra and thin-layer chromatography to the constituents of Dendrobium nobile caltivated on various trees and stones] Zhao TF, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Dec;17(4):332–5 (Eng. Abstr.) (Chi)

[Studies on the hypoglycemic effect of Coptis chinensis and berberine] Chen QM, et al. **Yao Hsueh Hsueh Pao** 1986 Jun;21(6):401–6 (Eng. Abstr.) (Chi)

[Chemical studies on the alkaloids from yuanhu (Corydalis turtschaninovii Bess. F. Yanhusuo Y. H. Chou et C.C. Hsu). VI. Separation and determination of 6 tertiary alkaloids in yuanhu by RP-HPLC] Fu XY, et al. **Yao Hsueh Hsueh Pao** 1986 Jul;21(7):527–31 (Eng. Abstr.) (Chi)

[Chemical studies on the alkaloids isolated from the tuber of Yuanhu (Corydalis turtschaninovii Bees. f. yanhusuo Y. H. Chou et C. C. Hsu)] Fu XY, et al. **Yao Hsueh Hsueh Pao** 1986 Jun;21(6):447–53 (Eng. Abstr.) (Chi)

[Neolignans from Piper hancei Maxim] Han GQ, et al. **Yao Hsueh Hsueh Pao** 1986 May;21(5):361–5 (Eng. Abstr.) (Chi)

[Quantitative determination of the main principles in artificial cow-bezoar by the thin layer chromatographic scanner] Han XT, et al. **Yao Hsueh Hsueh Pao** 1986 Nov; 21(11):864–7 (Eng. Abstr.) (Chi)

[Studies on the constituents of the flavonoids from the pollen of Typha angustfolia L. (puhuang)] Jia SS, et al. **Yao Hsueh Hsueh Pao** 1986 Jun;21(6):441–6 (Eng. Abstr.) (Chi)

[Alkaloids from Aconitum gymnandrum maxim (I)] Jiang SH, et al. **Yao Hsueh Hsueh Pao** 1986 Apr;21(4):279–84 (Eng. Abstr.) (Chi)

[Isolation and structure determination of 5-hydroxy-damnacanthol-omega-ethyl ether from Damnacanthus subspinosus Hand-Mazz] Li GW, et al. **Yao Hsueh Hsueh Pao** 1986 Apr;21(4):303–5 (Eng. Abstr.) (Chi)

[The effects of Saussurea polysaccharide on isolated rat uteri] Lin XZ, et al. **Yao Hsueh Hsueh Pao** 1986 Mar;21(3):220–2 (Eng. Abstr.) (Chi)

[Alkaloids of Lycopodia from Lycopodiaceae (continued)] Luan XH, et al. **Yao Hsueh Hsueh Pao** 1986 May; 21(5):386–96 contd (71 ref.) (Chi)

[Studies on the alkaloids of lycopodia from Lycopodiaceae] Luan XH, et al. **Yao Hsueh Hsueh Pao** 1986 Apr; 21(4):310–7 contd (0 ref.) (Chi)

[Studies on the antibacterial constituents in the fruit of Lappula echinata Gilib] Wang XC, et al. **Yao Hsueh Hsueh Pao** 1986 Mar;21(3):183–6 (Eng. Abstr.) (Chi)

[Studies on chemical constituents of hubeibeimu (Fritillaria hupehensis Hsiao et K. C. Hsia). V. Isolation and identification of hupehenisine] Wu JZ, et al. **Yao Hsueh Hsueh Pao** 1986 Jul;21(7):546–50 (Eng. Abstr.) (Chi)

[Coulometric titration of the total flavonoids and hyperin in Saururus chinensis (Lour.) Ball] Xu LX, et al. **Yao Hsueh Hsueh Pao** 1986 Apr;21(4):306–9 (Eng. Abstr.) (Chi)

[Studies on the chemical constituents of Chinese red ginseng (II)] Xu SX, et al. **Yao Hsueh Hsueh Pao** 1986 May; 21(5):356–60 (Eng. Abstr.) (Chi)

[Chemical investigation of glycosidal steroidal alkaloids of Northoliron hyacinthinum] Xu WH, et al. **Yao Hsueh Hsueh Pao** 1986 Mar;21(3):177–82 (Eng. Abstr.) (Chi)

[Alkaloids from Stephania succifera H. S. Lo et Y-Tsoong] Xue Z, et al. **Yao Hsueh Hsueh Pao** 1986 Mar;21(3):223–5 (Eng. Abstr.) (Chi)

[Studies on the chemical constituents of Aquilaria sinensis (Lour.) Gilg. II. Isolation and structure of baimuxinol and dehydrobaimuxinol] Yang JS, et al. **Yao Hsueh Hsueh Pao** 1986 Jul;21(7):516–20 (Eng. Abstr.) (Chi)

[A new compound, apiopaeonoside, isolated from the root of Paeonia suffruticosa] Yu J, et al. **Yao Hsueh Hsueh Pao** 1986 Mar;21(3):191–7 (Eng. Abstr.) (Chi)

[Determination of the structures of versicolactone B and versicolactone C in the root of Aristolochia versicolar S.M.Hwang] Zhang J, et al. **Yao Hsueh Hsueh Pao** 1986 Apr;21(4):273–8 (Eng. Abstr.) (Chi)

[Studies on the saponins from the root of Glycyrrhiza uralensis Fisch] Zhang RY, et al. **Yao Hsueh Hsueh Pao** 1986 Jul;21(7):510–5 (Eng. Abstr.) (Chi)

[Studies on triterpenoids of Tripterygium wilfordii Hood-F] Zhang WJ, et al. **Yao Hsueh Hsueh Pao** 1986 Aug; 21(8):592–8 (Eng. Abstr.) (Chi)

[Separation and determination of curcuminoids in Curcuma longa L. and its preparation by HPLC] Zhao DY, et al. **Yao Hsueh Hsueh Pao** 1986 May;21(5):382–5 (Eng. Abstr.) (Chi)

[The effects of xiao-chai-hu-tang (syosaiko-to) on lymphokine-activated killer (LAK) cell activity] Mizoguchi Y, et al. **Arerugi** 1986 Nov;35(11):1119–21 (Eng. Abstr.) (Jpn)

[Relation between cancer immunity and combination therapy by Chinese traditional medicine and Western medicine and its prognosis] Xian MS. **Gan To Kagaku Ryoho** 1986 Dec; 13(12):3334–42 (Jpn)

[The clinical effects of Tsumura No. 111 Seishin-rensi-in on irregular complaints of the urinary tract] Ohno J, et al. **Hinyokika Kiyo** 1986 Jul;32(7):1069–73 (Eng. Abstr.) (Jpn)

[Rhubarb therapy in patients with chronic renal failure (Part 2)] Mitsuma T, et al. **Nippon Jinzo Gakkai Shi** 1987 Feb; 29(2):195–207 (Eng. Abstr.) (Jpn)

[A severe case of drug-induced allergic hepatitis in herbal medicine] Mizoguchi Y, et al. **Nippon Naika Gakkai Zasshi** 1986 Oct;75(10):1453–6 (Jpn)

[Effect of a traditional herbal medicine, tokishakuyakusan, on the fetal development of the spontaneously hypertensive rat] Kaibara M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Nov; 38(11):2026–30 (Eng. Abstr.) (Jpn)

[Pharmacological study of TJ-8007 (Tsumura-Zokumeito) (I): Protective effects of TJ-8007 against anoxic brain damage] Goto K, et al. **Nippon Yakurigaku Zasshi** 1987 Jun;89(6):355–63 (Eng. Abstr.) (Jpn)

[Pharmacological studies of some blended traditional Chinese medicines on gastric functions. (1). The effects of oren-gedoku-to (OGT), san'o-syasin-to (SST), antyu-san (AS) and dai-saiko-to (DST) on ethanol- and aspirin-induced injury of gastric mucosal barrier] Takase H, et al. **Nippon Yakurigaku Zasshi** 1987 May;89(5):299–306 (Eng. Abstr.) (Jpn)

[Studies on the origin, processing and quality of crude drugs. V. Pharmacologic evaluations of the Chinese drug "zhu" in experimental gastric ulcer. (5). The preventive effects of Atractylodes ovata on stress-induced gastric ulcer] Nogami M, et al. **Yakugaku Zasshi** 1986 Jun;106(6):498–503 (Eng. Abstr.) (Jpn)

[Tannins in Artemisia montana. A. princeps and related species of plant] Okuda T, et al. **Yakugaku Zasshi** 1986 Oct;106(10):894–9 (Eng. Abstr.) (Jpn)

[Pharmaceutical studies on crude drugs. I. Effect of the Zingiberaceae crude drug extracts on sulfaguanidine absorption from rat small intestine] Sakai K, et al. **Yakugaku Zasshi** 1986 Oct;106(10):947–50 (Eng. Abstr.) (Jpn)

[Pharmacognostical study on the crude drug, corni fructus "shanzhuyu"] Shimomura H, et al. **Yakugaku Zasshi** 1986 Oct;106(10):878–87 (Eng. Abstr.) (Jpn)

[Effect of sho-saiko-to and mecobalamin on the biological responses in methotrexate treated rats. Especially from biorheological view points] Tani T, et al. **Yakugaku Zasshi** 1987 Mar;107(3):199–208 (Eng. Abstr.) (Jpn)

[Effect of crude drugs and their prescriptions on the blood rheology affected by glucocorticoid treatment. IV. Effect of sho-saiko-to, dai-saiko-to and their constituent crude drugs on adverse reactions in betamethasone treated rat] Tani T, et al. **Yakugaku Zasshi** 1986 Sep;106(9):808–17 (Eng. Abstr.) (Jpn)

[Anti-ulcer action of chikusetsusaponin III] Yamahara J, et al. **Yakugaku Zasshi** 1987 Feb;107(2):135–9 (Eng. Abstr.) (Jpn)

[Screening test for calcium antagonists in natural products. The active principles of Magnolia obovata] Yamahara J, et al. **Yakugaku Zasshi** 1986 Oct;106(10):888–93 (Eng. Abstr.) (Jpn)

[Studies on Chinese medicines used in cancer. IV. Antitumor constituents in rhizoma zedoariae, periostracum cicadae, galla wisteriae, and radix Hostae] Yokota M, et al. **Yakugaku Zasshi** 1986 May;106(5):425–6 (Eng. Abstr.) (Jpn)

HISTORY

Development of Chinese medicine based on pharmacology and therapeutics. Liu CX. **J Ethnopharmacol** 1987 Mar-Apr;19(2):119–23

Historical development of traditional Chinese medicine in West Germany. Heise TE. **J Tradit Chin Med** 1986 Sep; 6(3):227–30

[Systematizing ben'tsao of various dynasties in developing Chinese traditional pharmacology] Zhang GZ. **Chung Yao Tung Pao** 1986 Aug;11(8):3–6 (Chi)

MEDICINE, PRIMITIVE see **MEDICINE, TRADITIONAL**

MEDICINE, TRADITIONAL

see related
HEALTH SERVICES, INDIGENOUS

Medical practices of early settlers in Mobile. Eichold S. **Ala Med** 1987 May;56(11):36–8, 41

Alcohol treatment in American Indian populations: an indigenous treatment modality compared with traditional approaches. Hall RL. **Ann NY Acad Sci** 1986;472:168–78

The death of Amilcar. A case study from Santo Antao/Cabo Verde. Reitmaier P. **Ann Soc Belg Med Trop** 1987;67 Suppl 1:111–5

Traditional practice as a cause of infant morbidity and mortality in Juba area (Sudan). A/Wahab MM. **Ann Trop Paediatr** 1987 Mar;7(1):18–21

Lead poisoning in infancy—unusual causes in the U.A.E. Rahman H, et al. **Ann Trop Paediatr** 1986 Sep;6(3):213–7

Witchcraft and psychotherapy [letter] Jilek WG. **Br J Psychiatry** 1986 Dec;149:796–7

Bush thoracotomy in the highlands of Papua New Guinea. Fingleton LJ. **Br J Surg** 1987 Feb;74(2):129–32

"Natural" childbirth among the Kankanaly-Igorot.Kohnen N. **Bull NY Acad Med** 1986 Sep;62(7):768–77

Native health care: an alternative approach [editorial] Baker FW, et al. **Can Med Assoc J** 1987 Apr 1;136(7):695–6

Some indigenous beliefs and practices connected with cutaneous disorders. Katugampola G. **Ceylon Med J** 1985 Dec;30(4):203–6

Traditional plant remedies for diabetes [letter] Bailey CJ, et al. **Diabetic Med** 1986 Mar;3(2):185–6

Alternative therapy in warts [letter] Cryan DM. **J Am Acad Dermatol** 1987 Jun;16(6):1261

A survey of prescriptions used in traditional medicine in Gondar region, northwestern Ethiopia: general pharmaceutical practice. Abebe W. **J Ethnopharmacol** 1986 Nov;18(2):147–65

Ethno-medicinal uses of plants growing in the Bulandshahr district of northern India. Alam MM, et al. **J Ethnopharmacol** 1987 Jan-Feb;19(1):85–8

Traditional medicine of Baja California Sur (Mexico). I. Dimayuga RE, et al. **J Ethnopharmacol** 1986 Aug; 17(2):183–93

Nigerian folk medicine: practices and beliefs of the Ondo people. Gill LS, et al. **J Ethnopharmacol** 1986 Dec; 18(3):257–66

Pharmacology of lemongrass (Cymbopogon citratus Stapf). III. Assessment of eventual toxic, hypnotic and anxiolytic effects on humans. Leite JR, et al. **J Ethnopharmacol** 1986 Jul;17(1):75–83

Medicinal plants in Mozambique and their popular use. Verzár R, et al. **J Ethnopharmacol** 1987 Jan-Feb; 19(1):67–80

An onion in your ear. Brooks DN. **J Laryngol Otol** 1986 Sep;100(9):1043–6

Mouse therapy and religion. Finch CS. **J Natl Med Assoc** 1987 Feb;79(2):136–40

Beliefs and practices among Haitian American women in relation to childbearing. Harris K. **J Nurse Midwifery** 1987 May-Jun;32(3):149–55

Transcultural midwifery. Adapting to Hmong birthing customs in California. Morrow K. **J Nurse Midwifery** 1986 Nov-Dec;31(6):285–8

Food proscriptions in traditional medicine. Odebiyi AI. **J R Soc Health** 1987 Feb;107(1):34–5

Traditions of folk medicine in America. Whorton JC. **JAMA** 1987 Mar 27;257(12):1632–5

AIDS and the witch doctor [letter] O'Farrell N. **Lancet** 1987 Jul 18;2(8551):166–7

AIDS and the African traditional healer [letter] Schmutzhard E. **Lancet** 1987 Aug 22;2(8556):459

Implementation of health screening programs using ethnomedical resources. Micozzi MS. **Med Anthropol** 1985 Summer;9(3):265–75

Stomach cancer in Japan: relationship to a common folk

remedy? Weiner MA. **Med Hypotheses** 1986 Aug; 20(4):357–8

India seeks scientific basis of traditional remedies [news] Jayaraman KS. **Nature** 1987 Mar 26–Apr 1;326(6111):323

Some obstetrical aspects of the rapidly changing Wopkaimin society. Taufa T, et al. **Papua New Guinea Med J** 1986 Dec;29(4):301–7

Psychiatric community care: a Maharashtrian example. Skultans V. **Psychol Med** 1986 Aug;16(3):499–501

Surma: use and knowledge within the Glasgow Asian community [letter] Bhopal RS. **Public Health** 1986 Sep; 100(5):325

Changing views regarding some delivery customs among Pedi women. Chalmers B. S **Afr Med J** 1987 Jul 18; 72(2):137–8

Beyond the cure: Anthropological inquiries in medical theories and epistemologies. **Soc Sci Med** 1987; 24(12):997–1118

The best of both worlds: bringing traditional medicine up to date. Akerele O. **Soc Sci Med** 1987;24(2):177–81

The treatment of musculoskeletal disorders by a Mexican bonesetter (sobador). Anderson R. **Soc Sci Med** 1987; 24(1):43–6

Behind shamanism: changing voices of Siberian Khanty cosmology and politics. Balzer MM. **Soc Sci Med** 1987; 24(12):1085–93

Cross-cultural communication between doctors and peasants in Bolivia. Bastien JW. **Soc Sci Med** 1987;24(12):1109–18

Medical pluralism and infant mortality in a rural area of Bangladesh. Bhardwaj SM, et al. **Soc Sci Med** 1986; 23(10):1003–10

The return of Dr Fritz: spiritist healing and patronage networks in urban, industrial Brazil. Greenfield SM. **Soc Sci Med** 1987;24(12):1095–108

The performing patient in ritual healing. Joralemon D. **Soc Sci Med** 1986;23(9):841–5

Lay theory of healing in northwestern New Spain. Kay M. **Soc Sci Med** 1987;24(12):1051–60

Coping with intestinal illness among the Kamba in Machakos, Kenya, and aspects of schistosomiasis control. Kloos H, et al. **Soc Sci Med** 1987;24(4):383–94

The ambiguity of symbols in the structure of healing. Laderman C. **Soc Sci Med** 1987;24(4):293–301

The Kur in West Germany as an interface between naturopathic and allopathic ideologies. Maretzki TW. **Soc Sci Med** 1987;24(12):1061–8

Concepts and management of deafness in the Yoruba medical system: a case study of traditional healers in Ile-Ife, Nigeria. Odebiyi AI, et al. **Soc Sci Med** 1987;24(8):645–9

The 'serpent-stone' or the 'black-stone'. Scarpa A. **Soc Sci Med** 1987;25(3):229–30

An interpretive solution to the problem of humoral medicine in Latin America. Tedlock B. **Soc Sci Med** 1987; 24(12):1069–83

Influence of folk medicine on the family practitioner. Gums JG, et al. **South Med J** 1987 Feb;80(2):209–12

Rootwork: description of an ethnomedical system in the American South. Mathews HF. **South Med J** 1987 Jul; 80(7):885–91

The role of traditional fertility regulation in Sri Lanka. Caldwell J, et al. **Stud Fam Plann** 1987 Jan–Feb;18(1):1–21

Economic factors influencing the use of folk remedies. Adams WR. **Tex Med** 1986 Dec;82(12):32–3

Folk medicine: economics, biology, and culture [letter] Hentges K. **Tex Med** 1987 Apr;83(4):9

Folk medicine and medical practice. Hentges K, et al. **Tex Med** 1986 Oct;82(10):27–9

Curanderismo associated with fatal outcome in a child with leukemia. Marsh WW, et al. **Tex Med** 1987 Feb;83(2):38–40

Mexican-American folk remedies: their place in health care. Ripley GD. **Tex Med** 1986 Nov;82(11):41–4

Influence of health education on local beliefs. Incomplete success, or partial failure. Stefanini A. **Trop Doct** 1987 Jul; 17(3):132–4

Traditional remedies and lead intoxication. Abu Melha A, et al. **Trop Geogr Med** 1987 Jan;39(1):100–3

Hmong opiate folk remedy toxicity in three infants. Rubio EL, et al. **Vet Hum Toxicol** 1987 Aug;29(4):323–5

Tensions in the brokerage role. Nurses in Botswana. Barbee EL. **West J Nurs Res** 1987 May;9(2):244–56

Self-care responses to respiratory illnesses among Vietnamese. Hautman MA. **West J Nurs Res** 1987 May; 9(2):223–43

Folk health beliefs of health professionals. Roberson MH. **West J Nurs Res** 1987 May;9(2):257–63

[Chronic uterine inversion treated by a traditional method of African folk medicine] Vasilev D. **Akush Ginekol (Sofiia)** 1986;25(5):81–3 (Eng. Abstr.) **(Bul)**

[Traditional medicine in the Central Plateau of Haiti. 1. Study of the traditional therapeutic system in a rural socio-cultural area] Weniger B, et al. **J Ethnopharmacol** 1986 Jul;17(1):1–11 (Eng. Abstr.) **(Fre)**

[Traditional medicine in the Central Plateau of Haiti. 2. Ethnopharmacologic inventory] Weniger B, et al. **J Ethnopharmacol** 1986 Jul;17(1):13–30 (Eng. Abstr.) **(Fre)**

[Fees and compensation for therapy in foreign populations. A contribution to medical ethics from the history of medicine and ethnomedical point of view] Weinert T. **Clio Med** 1983;18(1–4):113–29 (Eng. Abstr.) **(Ger)**

[With battery and incandescent nail: pyropuncture of bedouins. Tradition and tourism—Far Eastern influence—treatment often successful] Brodbeck T. **Fortschr Med** 1987 Jun 20;105(18):76–7 (Eng. Abstr.) **(Ger)**

[Medico-geographic aspects: the role of popular therapeutic methods and medicinal plants in the Szabolcs-Szatmár Region and its vicinity] Vargha GL. **Geogr Med** 1986; 16:83–99 **(Ger)**

[Public health and traditional medicine in Ethiopia] Werner R. **Off Gesundheitswes** 1987 Jan;49(1):36–40 (Eng. Abstr.) **(Ger)**

[Woodpecker blood and leaf frog tadpoles. Organotherapeutic materia medica of the late Middle Ages physician Mässinger] Riha O, et al. **Sudhoffs Arch** 1987; 71(1):110–2 **(Ger)**

[Medical prescriptions advertised in a calendar for the year 1702] Wojtkiewicz-Rok W. **Arch Hist Filoz Med** 1986; 49(2):257–64 (Eng. Abstr.) **(Pol)**

[The mechanistic paradigm of modern Western medicine: an anthropological perspective] Queiroz M de S. **Rev Saude Publica** 1986 Aug;20(4):309–17 **(Por)**

[The anthropology of medicine: a theoretical review] Queiroz M de S, et al. **Rev Saude Publica** 1986 Apr;20(2):152–64 (Eng. Abstr.) **(Por)**

[Contributions of anthropology to medicine: a review of studies in Brazil] Queiroz M de S, et al. **Rev Saude Publica** 1986 Apr;20(2):141–51 (Eng. Abstr.) **(Por)**

[Alcoholism as an adaptation-disadaptation factor in the district of La Matanza] Tisminetzky M, et al. **Acta Psiquiatr Psicol Am Lat** 1986 Sep;32(3):223–31 (Eng. Abstr.) **(Spa)**

[Dermatologic diseases in the traditional medicine of Mexico] Zurita Esquivel M, et al. **Bol Of Sanit Panam** 1986 Oct; 101(4):339–47 (Eng. Abstr.) **(Spa)**

HISTORY

Public health in pre-colonial east-central Africa. Waite G. **Soc Sci Med** 1987;24(3):197–208

MEDIGOXIN see under **DIGOXIN**

MEDITERRANEAN FEVER, FAMILIAL see **PERIODIC DISEASE**

MEDLARS-MEDLINE INFORMATION SYSTEM

How to keep up with the medical literature: V. Access by personal computer to the medical literature. Haynes RB, et al. **Ann Intern Med** 1986 Nov;105(5):810–6

Publication trends for alcohol, tobacco, and narcotics in MEDLARS. Abel E. **Ann NY Acad Sci** 1986;477:103–4

Searching the literature: Index Medicus or MEDLINE? Olafsson HA. **Br J Hosp Med** 1987 Feb;37(2):161–2

Evolution of an end-user training program. Ginn DS, et al. **Bull Med Libr Assoc** 1987 Apr;75(2):117–21

Medical Subject Headings and medical terminology: an analysis of terminology used in hospital charts. Masarie FE Jr, et al. **Bull Med Libr Assoc** 1987 Apr;75(2):89–94

End-user searching in medicine. Poisson EH. **Bull Med Libr Assoc** 1986 Oct;74(4):293–9

The Oxford Database of Perinatal Trials: developing a register of published reports of controlled trials. Chalmers I, et al. **Controlled Clin Trials** 1986 Dec;7(4):306–24

Methemoglobin, MEDLINE, and hyperlipemia. Murray KM, et al. **Crit Care Med** 1987 Aug;15(8):797–8

Computer-assisted medical literature searching. Elpern DJ. **Dermatol Clin** 1986 Oct;4(4):579–87

Publication trends in fetal alcohol, tobacco and narcotic effects. Abel EL, et al. **Drug Alcohol Depend** 1986 Sep; 18(1):107–14

How to produce a research report with ease and elegence (or how to publish and not perish in the process). Schick R. **J Assoc Off Anal Chem** 1986 Sep–Oct;69(5):745–6

Computers and literature search [letter] Conway LA. **J Fam Pract** 1986 Oct;23(4):318

PaperChase: a program to search the medical literature. Bleich HL, et al. **MD Comput** 1985 Mar–Apr;2(2):54–8

MEDLARS and EXCERPTA MEDICA. McDonald CJ, et al. **MD Comput** 1985 Jan–Feb;2(1):11–2

A few weeks with an on-line retrieval service. McDonald CJ, et al. **MD Comput** 1985 Jan–Feb;2(1):9–11

A method of medical knowledge base augmentation. Lester S, et al. **Methods Inf Med** 1987 Jan;26(1):31–9

Teaching clinicians to search MEDLINE: description and evaluation of a short course. McKibbon KA, et al. **Proc Annu Conf Res Med Educ** 1986;25:231–6

Retraction of research findings [letter] Lindberg DA. **Science** 1987 Mar 13;235(4794):1308

Dial M for MEDLINE: a how-to guide for the clinician. Herin NJ. **South Med J** 1987 Aug;80(8):1024–30

Information at your fingertips: advice for the busy physician [editorial] Herin NJ. **South Med J** 1987 Feb;80(2):150–2

Bringing the medical literature to physicians. Self-service computerized bibliographic retrieval [published erratum appears in West J Med 1987 Feb;146(2):236] Underhill LH, et al. **West J Med** 1986 Dec;145(6):853–8

[Individualized bibliographic research using the MEDLINE system] Biron P. **Union Med Can** 1987 Jan;116(1):30–1 (Eng. Abstr.) **(Fre)**

[Index Medicus: coverage and use] Pulido M. **Med Clin (Barc)** 1987 Mar 28;88(12):500–4 **(Spa)**

ECONOMICS

Computer searching of the medical literature [letter] Ryan P, et al. **Ann Intern Med** 1987 Jan;106(1):168–9

EDUCATION

Teaching skills in medical information retrieval to medical students. Kolner SJ, et al. **J Med Educ** 1986 Nov; 61(11):906–10

HISTORY

The National Library of Medicine: from MEDLARS to the sesquicentennial and beyond. Smith KA, et al. **Bull Med Libr Assoc** 1986 Oct;74(4):325–32

The origins of MEDLARS. Rogers FB. **Henry E Sigerist Suppl Bull Hist Med** 1982;(6):77–84

The National Library of Medicine and medical informatics. Lindberg DA, et al. **West J Med** 1986 Dec;145(6):786–90

ORGANIZATION & ADMINISTRATION

The physician data query (PDQ) cancer information system. Hubbard SM. **Bull Cancer (Paris)** 1987;74(2):205–14

Chlorosis lives!—and slips through MeSH [letter] **JAMA** 1987 Sep 4;258(9):1174–5

Tapping into the medical "information explosion": easier than you think. Wolfe NJ, et al. **Ohio Med** 1987 Jun;83(6):405–9

TRENDS

Antimicrobial agents and the medical journal: trends in publishing, 1936–1983 [published erratum appears in Rev Infect Dis 1987 Mar–Apr;9(2):429] Berger SA. **Rev Infect Dis** 1986 Sep–Oct;8(5):756–9

MEDLINE see **MEDLARS-MEDLINE INFORMATION SYSTEM**

MEDPHALAN see **MELPHALAN**

MEDROGESTONE see under **PREGNADIENES**

MEDROXYPROGESTERONE

ADMINISTRATION & DOSAGE

Treatment of postmenopausal osteoporosis [letter] [published erratum appears in Ann Intern Med 1987 Aug;107(2):265] Roof BS. **Ann Intern Med** 1987 May;106(5):780

Efficacy of a continuous estrogen–progestin regimen in the menopausal patient. Weinstein L. **Obstet Gynecol** 1987 Jun; 69(6):929–32

ANALOGS & DERIVATIVES

Medroxy-progesterone acetate administration to ovariohysterectomized, oestradiol-primed beagle bitches. Effect on secretion of growth hormone, prolactin and cortisol. Rutteman GR, et al. **Acta Endocrinol (Copenh)** 1987 Feb;114(2):275–82

The MPA test: a reevaluation. Dei M, et al. **Acta Eur Fertil** 1986 Sep–Oct;17(5):349–52

The effect of estrogen–progestin treatment on opioid control of gonadotropin and prolactin secretion in postmenopausal women. Dawood MY, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1246–51

Drug regulation in the United States and the United Kingdom: the Depo-Provera story. Richard BW, et al. **Ann Intern Med** 1987 Jun;106(6):886–91

Improvement of hematological and general tolerance to CMF by high-dose medroxyprogesterone acetate (HD-MPA) adjuvant treatment for primary node positive breast cancer (analysis of 100 patients). Focan C, et al. **Anticancer Res** 1986 Sep–Oct;6(5):1095–9

Oral versus intramuscular high-dose medroxyprogesterone acetate (HD-MPA) in advanced breast cancer. A randomized study of the Belgian Society of Medical Oncology. Paridaens R, et al. **Anticancer Res** 1986 Sep–Oct; 6(5):1089–94

Medroxyprogesterone acetate and lipid metabolic changes. Teichmann AT, et al. **Arzneimittelforschung** 1987 May; 37(5):573–7

Effect of medroxyprogesterone acetate on hepatic and placental drug metabolism in rats. Helferich WG, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3655–8

The effects of low and high dose medroxyprogesterone acetate on sex steroids and sex hormone binding globulin in postmenopausal breast cancer patients. Dowsett M, et al. **Br J Cancer** 1987 Mar;55(3):311–3

Medroxyprogesterone acetate in non-metastatic gestational trophoblastic disease. Goldberg GL, et al. **Br J Obstet Gynaecol** 1987 Jan;94(1):22–5

Pharmacoclinical data on high dose medroxyprogesterone acetate in advanced breast cancer. Namer M, et al. **Breast Cancer Res Treat** 1986;8(2):161–3

Depot-medroxyprogesterone acetate (DMPA) and cancer: memorandum from a WHO meeting. **Bull WHO** 1986; 64(3):375–82 (24 ref.)

The effects of 17 beta-estradiol and progestagen on trabecular bone remodeling in oophorectomized dogs. Snow GR, et al. **Calcif Tissue Int** 1986 Sep;39(3):198–205

Medroxyprogesterone acetate plasma pharmacokinetics after intravenous administration in rabbits. Pannuti F, et al. **Cancer Chemother Pharmacol** 1987;19(4):311–4

Induction of mammary adenocarcinomas by medroxyprogesterone acetate in BALB/c female mice. Lanari C, et al. **Cancer Lett** 1986 Nov;33(2):215–23

Medroxyprogesterone acetate: variation in serum concentrations achieved with three commercially available preparations. Stockdale AD, et al. **Cancer Treat Rep** 1987 Sep;71(9):813–5

Medroxyprogesterone acetate plasma levels after a single oral administration of two drug formulations. Pannuti F, et al. **Chemioterapia** 1986 Aug;5(4):237–9

Effects of medroxyprogesterone acetate in obstructive sleep apnea. Rajagopal KR, et al. **Chest** 1986 Dec;90(6):815–21

Pituitary response to LHRH in long-term users of injectable contraceptives. Ismail AA, et al. **Contraception** 1987 May; 35(5):487–95

A multicentred phase III comparative clinical trial of depot-medroxyprogesterone acetate given three-monthly at doses of 100 mg or 150 mg: 1. Contraceptive efficacy and side effects. World Health Organization Task Force on Long-Acting Systemic Agents for Fertility Regulation. Special Programme of Research, Development and Research Training in Human Reproduction. Said S, et al. **Contraception** 1986 Sep;34(3):223–35

Pituitary, ovarian and endometrial effects of graded doses of medroxyprogesterone acetate administered on cycle days 7 to 10. Zalányi S Jr, et al. **Contraception** 1986 Jun; 33(6):567–78

Medroxyprogesterone acetate and prednisone in advanced breast cancer. A randomized trial. Jakobsen A, et al. **Eur J Cancer Clin Oncol** 1986 Sep;22(9):1067–72

Comparison of different treatment modalities of endometriosis in infertile women. Hull ME, et al. **Fertil Steril** 1987 Jan;47(1):40–4

Ovarian sonographic findings during intermittent intranasal luteinizing hormone-releasing hormone agonist sequentially combined with an oral progestogen as antiovulatory contraceptive approach. Lemay A, et al. **Fertil Steril** 1987 Jan;47(1):60–6

Metabolic effects of depot-medroxyprogesterone acetate in long-term users: a cross-sectional study. Virutamasen P, et al. **Int J Gynaecol Obstet** 1986 Aug;24(4):291–6

Patterns of depo-provera use in a large family planning clinic in the United States. Higgins JE, et al. **J Biosoc Sci** 1986 Oct;18(4):379–86

Fourteen-day versus twenty-one-day regimens of intermittent intranasal luteinizing hormone-releasing hormone agonist combined with an oral progestogen as antiovulatory contraceptive approach. Lemay A, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1379–85

Medroxyprogesterone acetate (MPA) treatment of sexual acting out in men suffering from dementia. Cooper AJ. **J Clin Psychiatry** 1987 Sep;48(9):368–70

Effect of large-dose progesterone on plasma levels of lipids, lipoproteins and apolipoproteins in males. Chen JJ, et al. **J Endocrinol Invest** 1986 Aug;9(4):281–5

New regimen of injectable contraceptives. Chinvanthannond P, et al. **J Med Assoc Thai** 1987 Apr;70(4):198–203

Depo-Provera in the treatment of recurrent vulvovaginal candidiasis. Denneerstein GJ. **J Reprod Med** 1986 Sep; 31(9):801–3

Medroxyprogesterone acetate: receptor binding and correlated effects on steroidogenesis in rat granulosa cells. Pridjian G, et al. **J Steroid Biochem** 1987 Mar;26(3):313–9

Pre-optic and hypothalamic neurons accumulate [3H]medroxyprogesterone acetate in male cynomolgus monkeys. Rees HD, et al. **Life Sci** 1986 Oct 13; 39(15):1353–9

Pilot study to evaluate a new regimen to treat climacteric complaints with cyclic combined oestradiol valerate/medroxyprogesterone acetate. Hellberg D, et al. **Maturitas** 1987 Apr;9(1):103–7

Clinical and lipid metabolic effects of unopposed oestrogen and two oestrogen-progestogen regimens in post-menopausal women. Hirvonen E, et al. **Maturitas** 1987 Apr;9(1):69–79

Progesterone-induced changes in exercise performance and ventilatory response. Bonekat HW, et al. **Med Sci Sports Exerc** 1987 Apr;19(2):118–23

The treatment of retroperitoneal fibromatosis with medroxyprogesterone acetate. Barnhill D, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):502–4

Influence on blood pressure of oestrogen substitution therapy in the menopause. Eggertsen R. **Scand J Prim Health Care** 1987 Feb;5(1):51–3

Progestational agents in advanced breast cancer: an overview. Haller DG, et al. **Semin Oncol** 1986 Dec;13(4 Suppl 4):2–8

Endocrine manipulation of meningiomas with medroxyprogesterone acetate. Effect of MPA on receptor status of meningioma cytosols. Markwalder TM, et al. **Surg Neurol** 1987 Jul;28(1):3–9

Oral progesterone treatment in chronic obstructive lung disease: failure of voluntary hyperventilation to predict response. Morrison DA, et al. **Thorax** 1986 Aug;41(8):616–9

[Medroxyprogesterone-acetate in gynecologic endocrinology] Presl J. **Cesk Gynekol** 1987 Feb;52(1):60–4 **(Cze)**

[Medroxyprogesterone acetate in adenomatous hyperplasia of the uterine endometrium. Clinical and morphologic studies on the duration and dosage of gestagen therapy] Dallenbach-Hellweg G, et al. **Geburtshilfe Frauenheilkd** 1986 Sep;46(9):601–8 (Eng. Abstr.) **(Ger)**

[Therapy with gestagens in hyperplastic changes of the endometrium] Griesinger R, et al. **Geburtshilfe Frauenheilkd** 1986 Oct;46(10):690–2 (Eng. Abstr.) **(Ger)**

[Megestrol acetate versus medroxyprogesterone acetate in the treatment of metastasizing breast cancers. Intermediate report of a multicenter phase III study] Wander HE, et al. **Onkologie** 1987 Apr;10(2):104–6 **(Ger)**

[Estrogen and progesterone receptors in endometrial carcinoma during high-dose progestogen (Depo-Provera) therapy] Thurzó L, et al. **Orv Hetil** 1986 Oct 26; 127(43):2613–6 (Eng. Abstr.) **(Hun)**

[New methods in the treatment of anovulation. Ultrasonic folliculometry and enhancement of endogenous LH secretion by progestogens] Zalányi S Jr. **Orv Hetil** 1987 Mar 15;128(11):577–9 (Eng. Abstr.) **(Hun)**

[Medroxyprogesterone acetate (MPA) in the treatment of advanced breast cancer] Izuo M. **Gan To Kagaku Ryoho** 1987 Aug;14(8):2604–11 (27 ref.) **(Jpn)**

[Phase II study of medroxyprogesterone acetate in advanced breast cancer] Ueno K, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(11):3198–202 (Eng. Abstr.) **(Jpn)**

[Comparative evaluation of the effectiveness of induction chemotherapy using the Cooper, FAC and FAC + MPA protocols in patients with locally advanced breast cancer] Pawlicki M, et al. **Nowotwory** 1986 Apr-Jun;36(2):124–9 (Eng. Abstr.) **(Pol)**

[Surprising effect of the treatment with progesterone of desmoid tumors (aggressive fibromatosis)] Lanari A. **Medicina (B Aires)** 1985;45(2):105–9 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

The influence of progestins on receptor levels in breast cancer metastasis. Lundgren S, et al. **Anticancer Res** 1987 Jan–Feb; 7(1):119–23

Radiochemical detection of dihydrodiol dehydrogenase: distribution of the enzyme in male Sprague-Dawley rat tissues and its sensitivity to inhibition by indomethacin and 6-medroxyprogesterone acetate. Ivins JK, et al. **Cancer Res** 1987 Feb 1;47(3):680–4

Modulation of triglycerides in female rats and guinea pigs treated with steroid contraceptives. Kumar AM, et al. **Indian J Exp Biol** 1986 Dec;24(12):789–90

THERAPEUTIC USE

Serum lipoprotein changes in climacteric women induced by sequential therapy with natural estrogens and medroxy-progesterone acetate or norgestrel. Vejtorp M, et al. **Acta Obstet Gynecol Scand** 1986;65(5):391–5

The effect of ventilatory stimulation with medroxyprogesterone on exercise performance and the sensation of dyspnoea in hypercapnic chronic bronchitis. Al-Damluji S. **Br J Dis Chest** 1986 Jul;80(3):273–9

Ovulation after treatment with ethinyl-oestradiol and medroxyprogesterone acetate in a woman approaching premature menopause. Case report. Petsos P, et al. **Br J Obstet Gynaecol** 1986 Nov;93(11):1155–60

Serum CA 125 and survival of mice inoculated with ovarian carcinoma and treated with antiestrogen, estrogen, or progestin. Holt JA, et al. **Gynecol Oncol** 1987 Jul; 27(3):282–93

Observations with Depo-Provera (medroxyprogesterone) in the management of renal tumours. Romics I, et al. **Int Urol Nephrol** 1987;19(1):49–54

Commentary on antiandrogenic treatment in a university setting [editorial] Barry DJ. **J Am Coll Health** 1987 May; 35(6):275–6

Antiandrogenic treatment in a university setting. Young CR. **J Am Coll Health** 1987 May;35(6):277–8

Lymphangioleiomyomatosis: treatment with hormonal manipulation. Brock ET, et al. **NY State J Med** 1986 Oct; 86(10):533–6

Pulmonary tuberous sclerosis treated with tamoxifen and progesterone. Westermann CJ, et al. **Thorax** 1986 Nov; 41(11):892–3

[Usefulness of medroxyprogesterone acetate in the co-adjuvant treatment of renal carcinoma in advanced stages (letter)] Morote J, et al. **Med Clin (Barc)** 1987 Feb 21;88(7):301–2 **(Spa)**

MEDULLA OBLONGATA

Sudden, unexpected death in a 5-year-old boy with an unusual primary intracranial neoplasm. Ganglioglioma of the medulla. Nelson J, et al. **Am J Forensic Med Pathol** 1987 Jun;8(2):148–52

Pain and neuroma formation in Wallenberg's lateral medullary syndrome. Moffie D, et al. **Clin Neurol Neurosurg** 1986;88(3):217–21

Isolated environmental tilt associated with lateral medullary compression by dolichoectasia of the vertebral artery. Is there a cause and effect relationship? Slavin ML, et al. **J Clin Neuro Ophthalmol** 1987 Mar;7(1):29–33

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 3-1987. A 17-year-old girl with numbness of the right leg and the recent onset of vertigo and right-sided weakness. **N Engl J Med** 1987 Jan 15;316(3):150–7

[Surgical treatment of nodular forms of astrocytoma of the medulla oblongata and pons] Konovalov AN, et al. **Zh Vopr Neirokhir** 1986 Sep-Oct;(5):3–14 (Eng. Abstr.) **(Rus)**

[Late result of the surgical treatment of a tumor of the medulla oblongata] Savchenko AIu. **Zh Vopr Neirokhir** 1986 Sep-Oct;(5):51–2 **(Rus)**

ANALYSIS

Thyrotropin-releasing hormone-immunoreactive neurons project from the ventral medulla to the intermediolateral cell column: partial coexistence with serotonin. Helke CJ, et al. **Brain Res** 1986 Aug 27;381(1):1–7

Evidence for a glycinergic pathway connecting the two cochlear nuclei: an immunocytochemical and retrograde transport study. Wenthold RJ. **Brain Res** 1987 Jul 7; 415(1):183–7

Vasoactive intestinal polypeptide immunoreactivity in the spinal cord of the guinea pig. A mapping study. Triepel J, et al. **Cell Tissue Res** 1987 Jul;249(1):145–50

Immunohistochemical localization of substance P and enkephalin in the nucleus tractus solitarii of the rhesus monkey, Macaca mulatta. Maley BE, et al. **J Comp Neurol** 1987 Jun 22;260(4):483–90

ANATOMY & HISTOLOGY

Projection of cervical dorsal root fibers to the medulla oblongata in the brush-tailed possum, Trichosurus vulpecula. Culberson JL. **Am J Anat** 1987 Jul;179(3):232–42

Sonic motor pathways in teleost fishes: a comparative HRP study. Bass AH. **Brain Behav Evol** 1985;27(2–4):115–31

Output systems of the dorsal column nuclei in the cat. Berkley KJ, et al. **Brain Res** 1986 Sep;396(3):199–225 (126 ref.)

Collateral branching in axonal projections to spinal cord from paramedian reticular nucleus neurons. Elisevich K, et al. **Brain Res** 1987 Apr 7;408(1–2):227–32

Projections of nucleus paragigantocellularis lateralis to locus coeruleus and other structures in rat. Guyenet PG, et al. **Brain Res** 1987 Mar 17;406(1–2):171–84

Direct projections from the reticular formation of the medulla oblongata to the anterior cingulate cortex in the mouse and the rat. Meyer G, et al. **Brain Res** 1986 Nov 19;398(1):207–11

Projections of the carotid sinus nerve to the medulla in the dog. Cherniicky CL, et al. **Brain Res Bull** 1987 Mar; 18(3):437–45

Nucleus of the tractus solitarius projections to the olfactory tubercle: an HRP study. Guevara-Aguilar R, et al. **Brain Res Bull** 1987 May;18(5):673–5

Projections between the hypothalamus and the dorsal vagal complex in the cat: an HRP and autoradiographic study. Willett CJ, et al. **Brain Res Bull** 1987 Jan;18(1):63–71

The topographical organization of neurons in the dorsal hypothalamic area that project to the spinal cord or to the nucleus raphé pallidus in the rat. Hosoya Y, et al. **Exp Brain Res** 1987;66(3):500–6

Diffuse pathways convey efferent activity from rostral pontile pneumotaxic center to medullary respiratory regions. St John WM. **Exp Neurol** 1986 Oct;94(1):155–65

Central distribution of the cervical vagus nerve in Old and New World primates. Hamilton RB, et al. **J Auton Nerv Syst** 1987 May;19(2):153–69

Projections of the lateral hypothalamus and bed nucleus of the stria terminalis to the dorsal vagal complex in the pigeon. Berk ML. **J Comp Neurol** 1987 Jun 1;260(1):140–56

Primary afferent projections to the central octavus nuclei in the elasmobranch, Rhinobatos sp., as demonstrated by nerve degeneration. Dunn RF, et al. **J Comp Neurol** 1987 Jun 22;260(4):564–72

Double-labeling study of axonal branching within the lateral reticulocerebellar projection in the rat. Ghazi H, et al. **J Comp Neurol** 1987 Apr 15;258(3):378–86

Distribution of external cuneate nucleus afferents to the cerebellum: II. Topographical distribution and zonal pattern—an experimental study with radioactive tracers in the cat. Jasmin L, et al. **J Comp Neurol** 1987 Jul 22; 261(4):497–514

Distribution of external cuneate nucleus afferents to the cerebellum: I. Notes on the projections from the main cuneate and other adjacent nuclei. An experimental study with radioactive tracers in the cat. Jasmin L, et al. **J Comp Neurol** 1987 Jul 22;261(4):481–96

Somatosensory nuclei in the brainstem of the rat: independent projections to the thalamus and cerebellum. Mantle-St John LA, et al. **J Comp Neurol** 1987 Jan 8;255(2):259–71

Spinal and trigeminal projections to the nucleus of the solitary tract: a possible substrate for somatovisceral and viscerovisceral reflex activation. Menétrey D, et al. **J Comp Neurol** 1987 Jan 15;255(3):439–50

The peripheral distribution and central projections of the sensory rami of the facial nerve in goldfish, Carassius auratus. Puzdrowski RL. **J Comp Neurol** 1987 May 15; 259(3):382–92

Organization of central adrenergic pathways: I. Relationships of ventrolateral medullary projections to the hypothalamus and spinal cord. Tucker DC, et al. **J Comp Neurol** 1987 May 22;259(4):591–603

Autoradiography of mossy fiber terminals in the fastigial nucleus of the cat. van der Want JJ, et al.

J Comp Neurol 1987 Apr 1;258(1):70–80

Topography of the corticofugal projection to the lateral reticular nucleus in the monkey. Wiesendanger R, et al. **J Comp Neurol** 1987 Feb 22;256(4):570–80

Mapping study of serotoninergic input to diencephalic–projecting dorsal column neurons in the rat. Willcockson HH, et al. **J Comp Neurol** 1987 Jul 22; 261(4):467–80

Intracellular staining study of the feline cuneate nucleus. I. Terminal patterns of primary afferent fibers. Fyffe RE, et al. **J Neurophysiol** 1986 Nov;56(5):1268–83

Intracellular staining study of the feline cuneate nucleus. II. Thalamic projecting neurons. Fyffe RE, et al. **J Neurophysiol** 1986 Nov;56(5):1284–96

Anatomical relationships of the cochlear nuclei and the pontobulbar body: possible significance for neuroprosthesis placement. Terr LI, et al. **Laryngoscope** 1987 Sep; 97(9):1009–11

Immunohistochemical evidence for the adrenergic medullary longitudinal bundle as a major ascending pathway to the locus coeruleus. Astier B, et al. **Neurosci Lett** 1987 Feb 24;74(2):132–8

Immunohistochemical evidence for the adrenergic medullary longitudinal bundle as a major ascending pathway to the hypothalamus. Astier B, et al. **Neurosci Lett** 1987 Aug 5; 78(3):241–6

Midbrain periaqueductal grey region in the cat has afferent and efferent connections with solitary tract nuclei. Bandler R, et al. **Neurosci Lett** 1987 Feb 10;74(1):1–6

Anatomic connections between nucleus reticularis rostroventrolateralis and some medullary cardiovascular sites in the rat. Chan SH, et al. **Neurosci Lett** 1986 Nov 21;71(3):277–82

Projections of cervical nerves to the rat medulla. Imamura J, et al. **Neurosci Lett** 1986 Sep 25;70(1):46–51

A cuneocochlear pathway in the rat. Weinberg RJ, et al. **Neuroscience** 1987 Jan;20(1):209–19

The synaptic relationships between the primary afferent terminals and the cuneo–thalamic relay neurons in the rat cuneate nucleus. Wen CY. **Proc Natl Sci Counc Repub China [B]** 1984 Jul;8(3):254–67

Light– and electron–microscopic localization of primary dental afferents to medullary dorsal horn (pars caudalis). Henry MA, et al. **Somatosens Res** 1986;3(4):291–307

[The course of spinocerebellar fibers in the spinal cord and lower medulla of the rat. Study by the method of retrograde axonal transport] Shirao K. **Nippon Ika Daigaku Zasshi** 1987 Jun;54(3):301–13 (Eng. Abstr.) **(Jpn)**

[Study of vestibular efferent neurons of the guinea pig by the technic of retrograde axonal transport of horseradish peroxidase and with fluorochromes] Shumilina VF, et al. **Neirofiziologiia** 1986;18(6):738–47 (Eng. Abstr.) **(Rus)**

[Organization and suprabulbar control of the baroreceptor reflex arch] Tsyrlin VA. **Usp Fiziol Nauk** 1986 Oct–Dec; 17(4):24–37 (47 ref.) **(Rus)**

BLOOD SUPPLY

Hypocapnia on ventral medullary blood flow and pH during hypoxia [letter] Severinghaus JW. **J Appl Physiol** 1987 Feb; 62(2):850–1

Poor outcome after lateral medullary infarcts. Caplan LR, et al. **Neurology** 1986 Nov;36(11):1510–3

[Chronological changes in the blink reflex and MRI in a patient with lateral medullary infarction] Kawamura H, et al. **No Shinkei Geka** 1986 Aug;14(9):1113–9 (Eng. Abstr.) **(Jpn)**

[Segmental sensory disturbance in brain stem infarctions of the lateral lower pons and lateral medulla—clinico–anatomical evaluation by MRI] Matsumoto S, et al. **Rinsho Shinkeigaku** 1987 Mar; 27(3):350–5 (Eng. Abstr.) **(Jpn)**

CYTOLOGY

Anatomy and physiology of intracellularly labelled omnipause neurons in the cat and squirrel monkey. Strassman A, et al. **Exp Brain Res** 1987;67(2):436–40

Fibers supplying the laryngeal musculature in the cranial root of the rabbit accessory nerve: nucleus of origin, peripheral course, and innervated muscles. Kitamura S, et al. **Exp Neurol** 1987 Sep;97(3):592–606

Localization of rabbit laryngeal motoneurons in the nucleus ambiguus. Okubo J, et al. **Exp Neurol** 1987 Jun;96(3):528–39

Immunohistochemical localization of neuropeptide Y in the guinea pig medulla oblongata. Correlation with VIP and DBH. Dai XL, et al. **Histochemistry** 1986;85(4):327–34

Inspiratory neuron activity in the ventrolateral medulla of the dog. Adams EM, et al. **J Appl Physiol** 1987 Jan; 62(1):335–43

Neuropeptide Y–like immunoreactive C1 neurons in the rostral ventrolateral medulla of the rabbit project to sympathetic preganglionic neurons in the spinal cord. Blessing WW, et al. **J Auton Nerv Syst** 1987 Feb; 18(2):121–9

Corticospinal neurons with branching axons to the dorsal column nuclei in the monkey. Bentivoglio M, et al. **J Comp Neurol** 1986 Nov 8;253(2):260–76

Variability of axonal arborizations hides simple rules of construction: a topological study from HRP intracellular injections. Triller A, et al. **J Comp Neurol** 1986 Nov 22; 253(4):500–13

Morphological and physiological survival of goldfish Mauthner axons isolated from their somata by spinal cord crush. Zottoli SJ, et al. **J Comp Neurol** 1987 Jan 8; 255(2):272–82

The use of microinjected colloidal gold and immunocytochemistry to localise pressor sites in the rostral medulla oblongata of the rat. Hodgson A, et al. **Neurosci Lett** 1987 Jun 15;77(2):125–30

Axonal projections to the ventrolateral nucleus of the solitary tract revealed by double labelling of retrograde fluorescent markers in the cat. Portillo F, et al. **Neurosci Lett** 1987 May 19;76(3):280–4

Instantaneous inward rectification in the Mauthner cell: a postsynaptic booster for excitatory inputs. Faber DS, et al. **Neuroscience** 1986 Dec;19(4):1037–43

Distribution of two types of monoamine oxidase–containing neurons in the cat medulla oblongata demonstrated by an improved histochemical method. Kitahama K, et al. **Neuroscience** 1987 Mar;20(3):991–9

DRUG EFFECTS

Intracellular study of ethanol action on bulbar inspiratory neurons. Takeda R, et al. **Arukoru Kenkyuto Yakubutsu Ison** 1986 Dec;21(4):253–64

Pentylenetetrazol: effect on carbaryl–induced changes of serotonin metabolism in pons–medulla of rat brain. Ray SK, et al. **Biosci Rep** 1986 Aug;6(8):767–74

GABAergic mechanisms in nucleus tractus solitarius alter blood pressure and vasopressin release. Catelli JM, et al. **Brain Res** 1987 Feb 17;403(2):279–89

Cardiorespiratory effects produced by microinjecting L–glutamic acid into medullary nuclei associated with the ventral surface of the feline medulla. Gatti PJ, et al. **Brain Res** 1986 Sep 3;381(2):281–8

Central modulation of gastric pressure by substance P: a comparison with glutamate and acetylcholine. Spencer SE, et al. **Brain Res** 1986 Oct 22;385(2):371–4

Excitatory action of 5–HT on deglutitive substrates in the rat solitary complex. Hashim MA, et al. **Brain Res Bull** 1987 Mar;18(3):355–63

Respiratory and vasomotor effects of excitatory amino acid on ventral medullary surface. Mitra J, et al. **Brain Res Bull** 1987 May;18(5):681–4

Microinjection of kainic acid into the rostral ventrolateral medulla causes hypertension and release of neuropeptide Y–like immunoreactivity from rabbit spinal cord. Morris MJ, et al. **Clin Exp Pharmacol Physiol** 1987 Feb; 14(2):127–32

D–glucose anomers in the nucleus of the tractus solitarius can reduce gastric acid secretion of rats. Sakaguchi T, et al. **Exp Neurol** 1987 Feb;95(2):525–9

The response of individual nucleus raphe magnus neurons to microinjections of met–enkephalin at midbrain and at bulbar loci: evidence for midbrain–bulbar convergence on individual raphe neurons. Rosenfeld JP. **Int J Neurosci** 1987 Apr;33(3–4):165–73

Diethyl pyrocarbonate (an imidazole binding substance) inhibits rostral VLM CO2 sensitivity. Nattie EE. **J Appl Physiol** 1986 Sep;61(3):843–50

Cardiovascular responses to medullary microinjections of opiate agonists in urethane–anesthetized rats. Punnen S, et al. **J Cardiovasc Pharmacol** 1986 Sep–Oct;8(5):950–6

Neuropeptide Y enhances the inhibitory effects of clonidine on 3H–noradrenaline release in synaptosomes isolated from the medulla oblongata of the male rat. Martire M, et al. **J Neural Transm** 1986;67(1–2):113–24

Effects of microiontophoretic pentobarbitone on conditioned inhibitions mediated by GABA–A receptors in the cuneate nucleus of the rat in–vivo. Andres–Trelles F, et al. **J Pharm Pharmacol** 1987 Jan;39(1):59–62

Triphenyl phosphite neuropathy differs from organophosphorus–induced delayed neuropathy in rats. Veronesi B, et al. **Neuropathol Appl Neurobiol** 1987 May–Jun;13(3):193–208

Cardiorespiratory effects produced by injecting drugs that affect GABA receptors into nuclei associated with the ventral surface of the medulla. Gatti PJ, et al. **Neuropharmacology** 1987 May;26(5):423–31

Interactions between three pyridazinyl–GABA derivatives and central GABA and glycine receptors in the rat, an in vivo microiontophoretic study. Michaud JC, et al. **Neuropharmacology** 1986 Nov;25(11):1197–203

Inhibitory effects of neuropeptide Y on cyclic AMP accumulation in slices of the nucleus tractus solitarius region of the rat. Härfstrand A, et al. **Neurosci Lett** 1987 May 6;76(2):185–90

The action of a substance P antagonist on sympathetic nerve activity in the rat. Yusof AP, et al. **Neurosci Lett** 1987 Apr 10;75(3):329–33

Topical application of colchicine, vinblastine and vincristine prevents strychnine–enhanced transsynaptic degeneration in the medullary dorsal horn following transection of the inferior alveolar nerve in adult rats. Sugimoto T, et al. **Pain** 1986 Oct;27(1):91–100

[Changes in efferent activity in the renal nerve and autonomic responses to GABA injections into structures of the ventrolateral surface of the medulla oblongata of the cat] Shapoval LN, et al. **Neirofiziologiia** 1987;19(3):327–34 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Embryonic and larval development of the sonic motor nucleus in the oyster toadfish. Galeo AJ, et al. **J Neurobiol** 1987 Jul;18(4):359–73

ENZYMOLOGY

On the distributive pattern of acetylcholinesterase (AChE) and butyrylcholinesterase (BChE) in the medulla oblongata of the golden hamster (Mesocricetus auratus). A study on the topographical and functional linkages of the two enzymes. Parveen S, et al. **Arch Anat Microsc Morphol Exp** 1986–87;75(1):45–59

Immunocytochemical localization of glutamic acid decarboxylase (GAD) and glutamine synthetase (GS) in the area postrema of the cat. Light and electron microscopy. D'Amelio FE, et al. **Brain Res** 1987 May 5; 410(2):232–44

Phenylethanolamine N–methyltransferase–containing neurons in the rostral ventrolateral medulla of the rat. I. Normal ultrastructure. Milner TA, et al. **Brain Res** 1987 May 12;411(1):28–45

Distribution of PNMT–immunoreactive neurons in the cat medulla oblongata. Kitahama K, et al. **Brain Res Bull** 1986 Aug;17(2):197–208

Distribution of angiotensin converting enzyme in sheep hypothalamus and medulla oblongata visualized by in vitro autoradiography. Chai SY, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):449–60

Immunohistochemical identification of noradrenaline– and adrenaline– synthesizing neurons in the cat ventrolateral medulla. Ciriello J, et al. **J Comp Neurol** 1986 Nov 8; 253(2):216–30

Adrenaline–synthesizing neurons in the medulla of the cat. Ruggiero DA, et al. **J Comp Neurol** 1986 Oct 22; 252(4):532–42

Transient expression of adenosine deaminase in facial and hypoglossal motoneurons of the rat during development. Senba E, et al. **J Comp Neurol** 1987 Jan 8;255(2):217–30

Descending phenylethanolamine–N–methyltransferase projections to the monkey spinal cord: an immunohistochemical double labeling study. Carlton SM, et al. **Neurosci Lett** 1987 May 6;76(2):133–9

Distribution of phenylethanolamine–N–methyltransferase (PNMT)–immunoreactive neurons in the avian brain. Steeves JD, et al. **Neurosci Lett** 1987 Apr 23;76(1):7–12

GROWTH & DEVELOPMENT

The abnormal development of the gracile nucleus in the neurological mutant rat mf. Chimelli L, et al. **Brain Res** 1986 Oct;394(2):193–205

Remodeling of dorsal column nuclear efferents to the basilar pontine gray after cortical ablations in newborn rats. Kosinski RJ, et al. **Brain Res** 1987 Mar 17;406(1–2):302–7

METABOLISM

Receptor autoradiographical evidence for high densities of 125I–neuropeptide Y binding sites in the nucleus tractus solitarius of the normal male rat. Härfstrand A, et al. **Acta Physiol Scand** 1986 Oct;128(2):195–200

Biochemical evidence for an interaction between adrenaline and noradrenaline neurons in the rat brainstem. Astier B, et al. **Brain Res** 1986 Nov 12;397(2):333–40

Corticotropin–releasing factor immunostaining in the rat spinal cord and medulla oblongata: an unexpected form of cross–reactivity with substance P. Berkenbosch F, et al. **Brain Res** 1986 Dec 3;399(1):87–96

Differences in the efficiency and pattern of incorporation of [3H]leucine and [3H]proline into proteins of adult cat brain. Elam JS, et al. **Brain Res** 1987 Jun 9;413(1):129–34

Immunohistochemical evidence for colocalization of gamma–aminobutyric acid and serotonin in neurons of the ventral medulla oblongata projecting to the spinal cord. Millhorn DE, et al. **Brain Res** 1987 Apr 28;410(1):179–85

Neurochemical identification of afferents onto spinomedullary neurons in the rat spinal cord central gray matter. Nahin RL, et al. **Brain Res** 1987 Jan 20; 401(2):292–302

Contribution of the vagus nerve to angiotensin II binding sites in the canine medulla. Diz DI, et al. **Brain Res Bull** 1986 Oct;17(4):497–505

Oxytocin–immunoreactive projections onto medullary adrenaline neurons. Hancock MB, et al. **Brain Res Bull** 1987 Feb;18(2):213–9

Clonidine binds to imidazole binding sites as well as alpha 2–adrenoceptors in the ventrolateral medulla. Ernsberger P, et al. **Eur J Pharmacol** 1987 Jan 28;134(1):1–13

Angiotensin II receptors and angiotensin converting enzyme in the medulla oblongata. Allen AM, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III198–205

Study of possible transmitters in the solitary tract nucleus of the cat involved in the carotid sinus baro– and chemoreceptor reflex. Miura M, et al. **J Auton Nerv Syst** 1987 Jun;19(3):179–88

Neuropeptide Y–immunoreactive perikarya and nerve terminals in the rat medulla oblongata: relationship to cytoarchitecture and catecholaminergic cell groups. Härfstrand A, et al. **J Comp Neurol** 1987 Jun 1;260(1):20–35

A comparison of GABA– and GAD–like immunoreactivity within the area postrema of the rat and cat. Newton BW, et al. **J Comp Neurol** 1987 Jan 8;255(2):208–16

Angiotensin II receptors in adrenal gland, pituitary gland and brain of sino-aortic denervated rats. Saavedra JM, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S154–7

Localization of the main noradrenergic neuron groups in the pons and medulla of the rabbit and the importance of cathodal lesions for prolonged survival. Badoer E, et al. **J Neurosci Methods** 1987 Jan;19(1):11–27

Effect of prolonged clonidine treatment and its withdrawal on noradrenaline turnover in the cerebral cortex and medulla oblongata of the spontaneously hypertensive rat. Atkinson J, et al.
Naunyn Schmiedebergs Arch Pharmacol 1987 Jul; 336(1):77–80

The morphology and distribution of serotonin-like immunoreactive fibers in the cat dorsal column nuclei. Pearson JC, et al. **Neurosci Lett** 1987 Feb 24;74(2):125–31

Does substance P coexist with adrenaline in neurones of the rostral ventrolateral medulla in the rat? Pilowsky P, et al. **Neurosci Lett** 1986 Nov 21;71(3):293–8

Differential sensitivity of hypothalamic and medullary opiocortin and tyrosine hydroxylase neurons to the neurotoxic effects of monosodium glutamate (MSG). Pilcher WH, et al. **Peptides** 1986 Sep–Oct;7(5):783–9

[Bulbar and pontine sources of catecholaminergic innervation of the spinal cord of the rat studied using monoamine fluorescence and retrograde labeling technics] Doroshenko NZ, et al. **Neirofiziologiia** 1986;18(4):503–12 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Feline dysautonomia: an ultrastructural study of neurones in the XII nucleus. Pollin MM, et al.
Acta Neuropathol (Berl) 1987;73(3):275–80

Evidence for discrete alterations in central cardiovascular catecholamine and neuropeptide Y immunoreactive neurons in aged male rats and in genetically hypertensive male rats of the Lyon strain. Fuxe K, et al.
Eur Heart J 1987 May;8 Suppl B:139–45

Time course and distribution of motoneuronal loss in the dorsal motor vagal nucleus of guinea pig after cervical vagotomy. Laiwand R, et al. **J Comp Neurol** 1987 Feb 22;256(4):527–37

MR imaging of syringobulbia. Sherman JL, et al.
J Comput Assist Tomogr 1987 May–Jun;11(3):407–11

Lateral medullary infarction extending to the lower pons. Fisher CM, et al. **J Neurol Neurosurg Psychiatry** 1987 May; 50(5):620–4

Upbeat nystagmus: clinicopathologic study of two patients. Keane JR, et al. **Neurology** 1987 Mar;37(3):491–4

Neurenteric cyst of medulla oblongata—a curiosity. Zalatnai A. **Neuropediatrics** 1987 Feb;18(1):40–1

PHYSIOLOGY

Short-latency phrenic response to vagal stimulation after midsagittal lesion of the medulla in rabbit. Romaniuk JR, et al. **Acta Neurobiol Exp (Warsz)** 1986;46(2–3):131–40

Behavioural and cardiovascular responses to electrical stimulation of the medulla oblongata of the cat. Angyán L. **Acta Physiol Hung** 1987;69(2):245–59

Caudolateral areas of medulla-mediating release of ACTH in cats. Bereiter DA, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):R934–40

Aortic baroreceptor reflexes are mediated by NMDA receptors in caudal ventrolateral medulla. Gordon FJ.
Am J Physiol 1987 Mar;252(3 Pt 2):R628–33

A role for the ventral surface of the medulla in regulation of nasal resistance. Haxhiu MA, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):R494–500

Calcium currents of cardiovascular neurons isolated from adult guinea pigs. Kunze DL. **Am J Physiol** 1987 Apr;252(4 Pt 2):H867–71

Arterial baroreceptor and vagal inputs to sympathoexcitatory neurons in rat medulla. Sun MK, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):R699–709

Hypothalamic glutamatergic input to medullary sympathoexcitatory neurons in rats. Sun MK, et al.
Am J Physiol 1986 Oct;251(4 Pt 2):R798–810

Differential effect of stimulation of nucleus ambiguus on atrial and ventricular rates. Thompson ME, et al.
Am J Physiol 1987 Jul;253(1 Pt 2):R150–7

Ventral medullary surface inputs to cervical sympathetic respiratory oscillations. Van Lunteren E, et al.
Am J Physiol 1987 Jun;252(6 Pt 2):R1032–8

Studies on GABAergic mechanisms responsible for cardiovascular regulation in the rostral ventrolateral medulla of the rat. Kubo T, et al.
Arch Int Pharmacodyn Ther 1987 Feb;285(2):277–87

Pre-training adrenaline recovers the amnestic effect of Met-enkephalin in demedullated rats. Conte CO, et al.
Behav Brain Res 1986 Aug;21(2):163–6

The effects of alfentanil and selected narcotic analgesics on the rate of action potential discharge of medullary respiratory neurones in anaesthetized rats. Fone KC, et al.
Br J Pharmacol 1986 Sep;89(1):67–76

Antidromic response to medullary pyramid stimulation in rats and its relation to that in cats. Harrison TA, et al.
Brain Behav Evol 1986;29(3–4):143–61

Central mechanisms of paradoxical sleep. Sakai K.
Brain Dev 1986;8(4):402–7

Morphological and physiological properties of caudal medullary expiratory neurons of the cat. Arita H, et al.
Brain Res 1987 Jan 20;401(2):258–66

Pressor responses of angiotensin II microinjected into the dorsomedial medulla of the dog. Averill DB, et al.
Brain Res 1987 Jun 30;414(2):294–300

Effect of stimulation of the nucleus reticularis gigantocellularis on the membrane potential of cat lumbar motoneurons during sleep and wakefulness. Chase MH, et al. **Brain Res** 1986 Oct 29;386(1–2):237–44

Function of the ventrolateral medulla in the control of the circulation. Ciriello J, et al. **Brain Res** 1986 Dec; 396(4):359–91 (266 ref.)

Brainstem reticular stimulation facilitates back muscle motoneuronal responses to pudendal nerve input. Cohen MS, et al. **Brain Res** 1987 Mar 3;405(1):155–8

Excitability of 'silent' respiratory neurons during sleep–waking states: an iontophoretic study in undrugged chronic cats. Foutz AS, et al. **Brain Res** 1987 Feb 24; 404(1–2):10–20

The mesencephalic locomotor region. II. Projections to reticulospinal neurons. Garcia-Rill E, et al. **Brain Res** 1987 May 12;411(1):13–20

The mesencephalic locomotor region. I. Activation of a medullary projection site. Garcia-Rill E, et al.
Brain Res 1987 May 12;411(1):1–12

Electrophysiological evidence for the modular organization of the reticular formation: sympathetic controlling circuits. Gebber GL, et al. **Brain Res** 1987 Apr 28;410(1):106–10

Differential effects of halothane anesthesia on the pattern of discharge of inspiratory and expiratory neurons in the region of the retrofacial nucleus. Grelot L, et al.
Brain Res 1987 Feb 24;404(1–2):335–8

Role of excitatory amino acids in rat vagal and sympathetic baroreflexes. Guyenet PG, et al. **Brain Res** 1987 Mar 31; 407(2):272–84

Cardiovascular role of A1 catecholaminergic neurons in the rabbit. Effect of chronic lesions on responses to methyldopa, clonidine and 6-OHDA induced transmitter release. Head GA, et al. **Brain Res** 1987 May 26; 412(1):18–28

Serotonin-mediated excitation of recurrent laryngeal and phrenic motoneurons evoked by stimulation of the raphe obscurus. Holtman JR Jr, et al. **Brain Res** 1987 Aug 4; 417(1):12–20

Dissociation of antinociceptive from cardiovascular effects of stimulation in the lateral reticular nucleus in the rat. Janss AJ, et al. **Brain Res** 1987 Mar 3;405(1):140–9

Antidromic mapping of descending axons of respiratory bulbospinal neurons in the nucleus tractus solitarius of the rabbit. Jiang C, et al. **Brain Res** 1987 Jun 9;413(1):189–92

Neurons in the paraventricular nucleus projecting to the median eminence: a study of their afferent connections from peripheral baroreceptors, and from the A1-catecholaminergic area in the ventrolateral medulla. Kannan H, et al. **Brain Res** 1987 Apr 21;409(2):358–63

Effect of catecholamines on the swallowing reflex after pressure microinjections into the lateral solitary complex of the medulla oblongata. Kessler JP, et al. **Brain Res** 1986 Oct 29;386(1–2):69–77

Blood pressure modulation by substance P in the rat nucleus tractus solitarius. Kubo T, et al. **Brain Res** 1987 Jun 16; 413(2):379–83

Reduction of common carotid resistance upon stimulation of an area dorsal to the facial nucleus of cats. Kuo JS, et al. **Brain Res** 1987 Aug 4;417(1):181–4

Descending noradrenergic pathways involved in the A5 depressor response. Loewy AD, et al. **Brain Res** 1986 Oct 29;386(1–2):313–24

Evidence for GABA involvement in midbrain control of medullary neurons that modulate nociceptive transmission. Moreau JL, et al. **Brain Res** 1986 Nov 5;397(1):37–46

Diffuse noxious inhibitory controls of lumbar spinal neurons involve a supraspinal loop in the cat. Morton CR, et al. **Brain Res** 1987 May 5;410(2):347–52

Respiratory rhythm generator neurons in medulla of brainstem-spinal cord preparation from newborn rat. Onimaru H, et al. **Brain Res** 1987 Feb 17;403(2):380–4

Medullary pressor area: site of action of intravenous physostigmine. Punnen S, et al. **Brain Res** 1986 Sep 10; 382(1):178–84

Medullary substrates of descending spinal inhibition activated by intravenous administration of [D-Ala2]methionine enkephalinamide in the rat. Randich A, et al. **Brain Res** 1987 May 19;411(2):236–47

The taste system encodes stimulus toxicity. Scott TR, et al. **Brain Res** 1987 Jun 23;414(1):197–203

Angiotensin II excites neurones in cat solitary tract nuclei which are involved in respiration and related reflex activities. Sessle BJ, et al. **Brain Res** 1987 Mar 24; 407(1):163–7

Discharge properties of dorsal medullary inspiratory neurons in newborn pigs. Sica AL, et al. **Brain Res** 1987 Apr 7; 408(1–2):222–6

The effects of periaqueductal gray and nucleus raphe magnus stimulation on the spontaneous and noxious-evoked activity of lateral reticular nucleus neurons in rabbits. Sotgiu ML. **Brain Res** 1987 Jun 30;414(2):219–27

Stimulation of the pontomedullary reticular formation initiates locomotion in decerebrate birds. Steeves JD, et al. **Brain Res** 1987 Jan 20;401(2):205–12

Convergence onto hamster medullary taste neurons. Sweazey RD, et al. **Brain Res** 1987 Apr 7;408(1–2):173–84

Multimodal responses of taste neurons in the frog nucleus tractus solitarius. Hanamori T, et al. **Brain Res Bull** 1987 Jan;18(1):87–97

Effect of somatostatin on the vagal motor neuron in the rat. Oomura Y, et al. **Brain Res Bull** 1986 Sep;17(3):397–401

Role of the ventrolateral medullary area in the inhibitory effect of electroacupuncture on experimental pressor response and arrhythmia. Li P, et al.
Chen Tzu Yen Chiu 1986;11(3):166–73

Effects of methylprednisolone on renal nerve response to stimulation of medullary pressor area in endotoxin-induced hypotension. Koyama S. **Circ Shock** 1986;20(3):205–15

Some central neural mechanisms governing resting and behaviorally coupled control of blood pressure. Reis DJ, et al. **Circulation** 1987 Jul;76(1 Pt 2):I2–9 (49 ref.)

Role of medullary cholinoceptors in baroreflex bradycardia. Gurtu S, et al. **Clin Exp Hypertens [A]** 1986;8(6):1063–79

Rhythmical jaw movements and lateral ponto-medullary reticular neurons in rats. Moriyama Y.
Comp Biochem Physiol [A] 1987;86(1):7–14

Somatosensory evoked potentials from the thalamic sensory relay nucleus (VPL) in humans: correlations with short latency somatosensory evoked potentials recorded at the scalp. Katayama Y, et al.
Electroencephalogr Clin Neurophysiol 1987 May; 68(3):187–201

Serotonin receptors in the rat nucleus tractus solitarii and cardiovascular regulation. Shvaloff A, et al.
Eur J Pharmacol 1986 Dec 16;132(2–3):283–8

Integration in descending motor pathways controlling the forelimb in the cat. 14. Differential projection to fast and slow motoneurones from excitatory C3–C4 propriospinal neurones. Alstermark B, et al. **Exp Brain Res** 1986; 63(3):530–42

Integration in descending motor pathways controlling the forelimb in the cat. 15. Comparison of the projection from excitatory C3–C4 propriospinal neurones to different species of forelimb motoneurones. Alstermark B, et al.
Exp Brain Res 1986;63(3):543–56

Ventrolateral medullary neurons projecting to the medial preoptic/anterior hypothalamic area through the medial forebrain bundle: an electrophysiological study in the rat. Kaba H, et al. **Exp Brain Res** 1986;63(2):369–74

Hypothalamic control of nocireceptive and other neurons in the marginal layer of the dorsal horn of the medulla (trigeminal nucleus caudalis) in the rat. Mokha SS, et al. **Exp Brain Res** 1987;65(2):427–36

Excitation of upper cervical inspiratory neurons by inspiratory neurons of the nucleus tractus solitarius in the cat. Hoskin R, et al. **Exp Neurol** 1987 Jan;95(1):126–41

Spectral and temporal response patterns of single units in the chinchilla dorsal cochlear nucleus. Kaltenbach JA, et al. **Exp Neurol** 1987 May;96(2):406–19

Respiratory rhythmicity in a split medulla preparation of the cat. Kubin L, et al. **Exp Neurol** 1987 Jun;96(3):720–6

Expiratory neurons in the region of the retrofacial nucleus: inhibitory effects of intercostal tendon organs. Shannon R, et al. **Exp Neurol** 1987 Sep;97(3):730–4

Functional characteristics of neuropeptides in the dorsal medulla oblongata and vagus nerve. Diz DI, et al.
Fed Proc 1987 Jan;46(1):30–5 (50 ref.)

Influence of the ventral surface of the medulla on tracheal responses to CO2. Deal EC Jr, et al. **J Appl Physiol** 1986 Sep;61(3):1091–7

Cardiac, respiratory, and renal responses to stimulation of the external cuneate nucleus. Dean C, et al.
J Appl Physiol 1987 Jul;63(1):158–66

Caudal ventrolateral medullary cells responsive to muscular contraction. Iwamoto GA, et al. **J Appl Physiol** 1987 Jan; 62(1):149–57

Role of ventrolateral medulla in regulation of respiratory and cardiovascular systems. Millhorn DE, et al.
J Appl Physiol 1986 Oct;61(4):1249–63 (134 ref.)

Identification and properties of sub-retrofacial bulbospinal neurones: a descending cardiovascular pathway in the cat. McAllen RM. **J Auton Nerv Syst** 1986 Oct;17(2):151–64

Separate areas of rat medulla oblongata with populations of serotonin- and adrenaline-containing neurons alter blood pressure after L-glutamate stimulation. Minson JB, et al.
J Auton Nerv Syst 1987 Apr;19(1):39–50

Projections to areas of the nucleus tractus solitarii related to circulatory and respiratory responses in cats. Onai T, et al. **J Auton Nerv Syst** 1987 Feb;18(2):163–75

Differential regulation of regional vascular resistance by the rostral and caudal ventrolateral medulla in the rat. Willette RN, et al. **J Auton Nerv Syst** 1987 Feb;18(2):143–51

Do adrenaline-containing neurones from the rostral ventrolateral medulla excite preganglionic sympathetic cell bodies? Connor HE, et al. **J Auton Pharmacol** 1987 Mar; 7(1):87–96

Target sites for anticholinesterases on the ventral surface of the medulla oblongata: hypotension elicited by organophosphorus agents. Edery H, et al.
J Auton Pharmacol 1986 Sep;6(3):195–205

Effect of selective lesions of medullary catecholamine nuclei on experimental cerebral vasospasm in the rat. Svendgaard NA, et al. **J Cereb Blood Flow Metab** 1987 Feb;7(1):21–8

Cortical and peripheral effects on single neurons of the lateral reticular nucleus in the monkey. Marini G, et al.
J Comp Neurol 1987 Feb 22;256(4):581–9

Time course of the reaction of glial fibers in the somatosensory thalamus after lesions in the dorsal column nuclei. Wells J, et al. **J Comp Neurol** 1987 Jan 15;

255(3):476–82
Intracellular recording in the medullary pacemaker nucleus of the weakly electric fish, Apteronotus, during modulatory behaviors. Dye J, et al. **J Comp Physiol [A]** 1987 Aug; 161(2):187–200
Lateral tegmental field neurons of cat medulla: a source of basal activity of ventrolateral medullospinal sympathoexcitatory neurons. Barman SM, et al. **J Neurophysiol** 1987 May;57(5):1410–24
In vitro characterization of neurons in the ventral part of the nucleus tractus solitarius. I. Identification of neuronal types and repetitive firing properties. Dekin MS, et al. **J Neurophysiol** 1987 Jul;58(1):195–214
In vitro characterization of neurons in the ventral part of the nucleus tractus solitarius. II. Ionic basis for repetitive firing patterns. Dekin MS, et al. **J Neurophysiol** 1987 Jul; 58(1):215–29
Functional associations among simultaneously monitored lateral medullary respiratory neurons in the cat. II. Evidence for inhibitory actions of expiratory neurons. Lindsey BG, et al. **J Neurophysiol** 1987 Apr;57(4):1101–17
Functional associations among simultaneously monitored lateral medullary respiratory neurons in the cat. I. Evidence for excitatory and inhibitory actions of inspiratory neurons. Segers LS, et al. **J Neurophysiol** 1987 Apr;57(4):1078–100
Intrinsic features contributing to spike train patterning in proprioceptive cuneate neurons. Surmeier DJ, et al. **J Neurophysiol** 1987 Apr;57(4):962–76
Properties of proprioceptive neurons in the cuneate nucleus of the cat. Surmeier DJ, et al. **J Neurophysiol** 1987 Apr; 57(4):938–61
Static and dynamic response characteristics, receptive fields, and interaction with noxious input of midline medullary thermoresponsive neurons in the rat. Young AA, et al. **J Neurophysiol** 1987 Jun;57(6):1925–36
The medullary dorsal horn: a target for the expression of opiate effects on the perceived intensity of noxious heat. Oliveras JL, et al. **J Neurosci** 1986 Oct;6(10):3086–93
Contribution of vasopressin to hypertension caused by baroreceptor denervation and nucleus tractus solitarius lesions in rats. Kubo T, et al. **J Pharmacobiodyn** 1986 Jul; 9(7):626–9
Activation of cholinergic mechanisms in the medulla oblongata reverse intravenous opioid-induced respiratory depression. Willette RN, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):352–8
Central cholinergic descending pathway to the dorsal motor nucleus of the vagus in regulation of gastric functions. Okuma Y, et al. **Jpn J Pharmacol** 1986 Jul;41(3):373–9
Ascending fibers from the gigantocellular nucleus to the centromedian nucleus of the thalamus in cats. Ito H, et al. **Jpn J Physiol** 1986;36(4):723–32
Effects of adrenoceptor agonists and antagonists on the firing of neurons in the rat A1 noradrenergic region. Kaba H, et al. **Jpn J Physiol** 1986;36(4):795–9
Barosensory neurons in the ventrolateral medulla in rabbits and their responses to various afferent inputs from peripheral and central sources. Terui N, et al. **Jpn J Physiol** 1986;36(6):1141–64
The blood pressure effects of alpha-adrenoceptor antagonists injected in the medullary site of action of clonidine: the nucleus reticularis lateralis. Bousquet P, et al. **Life Sci** 1987 Mar 16;40(11):1045–52
A potent excitatory input to the nucleus locus coeruleus from the ventrolateral medulla. Ennis M, et al. **Neurosci Lett** 1986 Nov 21;71(3):299–305
Evidence for the presence of GABAergic and glycine-like systems responsible for cardiovascular control in the nucleus tractus solitarii of the rat. Kubo T, et al. **Neurosci Lett** 1987 Mar 9;74(3):331–6
Neurons (presumably A1-cells) projecting from the caudal ventrolateral medulla to the region of the supraoptic nucleus respond to baroreceptor inputs in the rabbit. McAllen RM, et al. **Neurosci Lett** 1987 Jan 27;73(3):247–52
Influences of the basal ganglia on the medullary reticular formation. Manetto C, et al. **Neurosci Lett** 1987 Apr 10; 75(3):278–82
Fastigial nucleus modulation of medullary parasolitary neurons. Person RJ, et al. **Neuroscience** 1986 Dec; 19(4):1293–301
Electrical stimulation of the C1 region of the rostral ventrolateral medulla of the rat increases mean arterial pressure and adrenaline release in the posterior hypothalamus. Routledge C, et al. **Neuroscience** 1987 Feb; 20(2):457–66
Brain-stem areas tonically inhibiting dorsal horn neurones: studies with microinjection of the GABA analogue piperidine-4-sulphonic acid. Foong FW, et al. **Pain** 1986 Dec;27(3):361–71
Activation within dorsal medullary nuclei following stimulation in the hypothalamic paraventricular nucleus in rats. Banks D, et al. **Pflugers Arch** 1987 May;408(6):619–27
Vestibular ampullar modulation of hypoglossal neurons. Mameli O, et al. **Physiol Behav** 1986;37(5):773–5
Lesions of the area postrema and underlying solitary nucleus fail to attenuate the inhibition of feeding produced by systemic injections of cholecystokinin in Syrian hamsters. Miceli MO, et al. **Physiol Behav** 1986;38(6):855–60
Role of the area postrema in radiation-induced taste aversion learning and emesis in cats. Rabin BM, et al. **Physiol Behav** 1986;37(5):815–8
Involvement of the periaqueductal gray matter and serotonin in the analgesia produced by stimulation of the nucleus tractus solitarius. Lohof AM, et al. **Proc West Pharmacol Soc** 1987;30:267–8
Morphofunctional studies on the neuropeptide Y/adrenaline costoring terminal systems in the dorsal cardiovascular region of the medulla oblongata. Focus on receptor–receptor interactions in cotransmission. Fuxe K, et al. **Prog Brain Res** 1986;68:303–20
Acute radiation-induced vomiting in area postrema-ablated cats. Borison HL, et al. **Radiat Res** 1987 Mar;109(3):430–9
Respiratory resetting induced by activation of inspiratory bulbo-spinal neurons. Gauthier P, et al. **Respir Physiol** 1986 Aug;65(2):155–68
GABA-A and GABA-B receptors in the cuneate nucleus of the rat in vivo. Orviz P, et al. **Rev Esp Fisiol** 1986 Sep; 42(3):309–13
Peripheral and spinal inputs to physiologically identified thalamic and nonthalamic relay neurons in cat cuneate nucleus. Bromberg MB. **Somatosens Res** 1987;4(3):253–68
Xylazine-induced vomiting in dogs: elimination by ablation of the area postrema and blockade by yohimbine. Hikasa Y, et al. **Zentralbl Veterinarmed [A]** 1987 Feb;34(2):154–8
[Role of the ventral medullary area on ventricular extrasystoles induced by hypothalamic stimulation in the rabbit] Guo XQ, et al. **Chen Tzu Yen Chiu** 1986;11(3):174–5 (Eng. Abstr.) **(Chi)**
[Effect of GABA applied to the ventral surface of medulla oblongata on respiratory function] Fu XW, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jul;7(4):289–92 (Eng. Abstr.) **(Chi)**
[CO2 and BP sensitive units in the ventral medulla of rabbits] Fu XW, et al. **Sheng Li Hsueh Pao** 1986 Aug;38(4):430–6 (Eng. Abstr.) **(Chi)**
[Role of the ventral medullary area of rabbits in the inhibitory mechanism of morphine on respiration] Gong QL, et al. **Sheng Li Hsueh Pao** 1986 Dec;38(6):627–34 (Eng. Abstr.) **(Chi)**
[Defence-reaction-related neurons in the ventral medulla of rabbits] Huangfu DH, et al. **Sheng Li Hsueh Pao** 1986 Aug; 38(4):383–9 (Eng. Abstr.) **(Chi)**
[Non-participation of bulbar inspiratory neurons in the esophago-diaphragmatic inhibitory reflex] Marlot D, et al. **C R Acad Sci [III]** 1986;303(11):475–8 (Eng. Abstr.) **(Fre)**
[Nucleus tractus solitarius, serotonin and regulation of vigilance] Puizillout JJ. **Rev Electroencephalogr Neurophysiol Clin** 1986 Jul; 16(2):95–106 (107 ref.) (Eng. Abstr.) **(Fre)**
[Effects of hypothalamic and amygdaloid stimuli on activity of neurons in the dorsal motor nucleus of the vagal nerve] Nishimura H. **Fukuoka Igaku Zasshi** 1987 Jan;78(1):22–38 (Eng. Abstr.) **(Jpn)**
[On caudal medullary respiratory neurons and tonic-discharge neurons related to central chemosensitivity] Arita H. **Kokyu To Junkan** 1987 May; 35(5):475–83 **(Jpn)**
[Age and features of the electrical activity of nuclei of the medulla oblongata in the rat] Rushkevich IuE. **Fiziol Zh** 1986 Sep-Oct;32(5):525–8 (Eng. Abstr.) **(Rus)**
[Ventral approach to acoustic zones of the amphibian medulla oblongata in electrophysiologic studies] Cherniakov GM, et al. **Fiziol Zh SSSR** 1986 Dec;72(12):1682–6 **(Rus)**
[Structural organization and connections of the locomotor strip of the medulla oblongata of the cat] Baev KV, et al. **Neirofiziologiia** 1987;19(3):308–15 (Eng. Abstr.) **(Rus)**
[Effect of partial transection of the medulla oblongata on inhibition of the mouth-opening reflex of the cat induced by stimulation of the mesencephalic central gray] Iakhnitsa VA, et al. **Neirofiziologiia** 1987;19(3):362–8 (Eng. Abstr.) **(Rus)**
[Reversal potential of the EPSP of frog motoneurons] Kalinina NI, et al. **Neirofiziologiia** 1986;18(4):534–42 (Eng. Abstr.) **(Rus)**
[Features of activation of reticulospinal neurons of the pons and medulla oblongata of the cat by somatosensory stimuli of different modalities] Karpukhina MV, et al. **Neirofiziologiia** 1986;18(4):461–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Responses of adrenocorticotropin and vasopressin to hemorrhage after lesions of the caudal ventrolateral medulla in rats. Carlson DE, et al. **Brain Res** 1987 Mar 17;406(1-2):385–90
Reorganization of pericruciate cortical projections to the spinal cord and dorsal column nuclei after neonatal or adult cerebral hemispherectomy in cats. Gómez-Pinilla F, et al. **Brain Res** 1986 Oct 22;385(2):343–55
Opioid, cholinergic and alpha-adrenergic influences on the modulation of nociception from the lateral reticular nucleus of the rat. Ossipov MH, et al. **Brain Res** 1986 Oct 8; 384(2):282–93
Role of the medulla oblongata in plateau-wave development in dogs. Hayashi M, et al. **J Neurosurg** 1987 Jul; 67(1):97–101
Enhanced vasopressin release upon activation of the central neural mechanism in spontaneously hypertensive rats. Nakai M, et al. **Jpn J Physiol** 1986;36(3):613–8
Cricopharyngeal dysfunction due to syringobulbia. Fernández F, et al. **Neurology** 1986 Dec;36(12):1623–5
[Clinico-morphologic description of insufficiency of chemoreceptors of the ventral surface of the medulla oblongata] Kul'chitskiĭ VA. **Zh Nevropatol Psikhiatr** 1986; 86(7):1055–7 (Eng. Abstr.) **(Rus)**

SURGERY

A transcervical surgical approach to the ventral medulla of the cat. Stechison MT, et al. **J Neurosci Methods** 1987 Jan; 19(1):29–35
Microsurgical approach to the cerebellomedullar region in rat. Renella RR, et al. **Lab Anim** 1986 Jul;20(3):210–2

ULTRASTRUCTURE

Phenylethanolamine N-methyltransferase-containing neurons in the rostral ventrolateral medulla. II. Synaptic relationships with GABAergic terminals. Milner TA, et al. **Brain Res** 1987 May 12;411(1):46–57
Area postrema of the goldfish, Carassius auratus: ultrastructure, fiber connections, and immunocytochemistry. Morita Y, et al. **J Comp Neurol** 1987 Feb 1;256(1):104–16
[The fine structure of the nucleus ambiguus and the spinal accessory nucleus] Stömer R, et al. **Schweiz Arch Tierheilkd** 1987 Feb;129(2):75–86 (Eng. Abstr.) **(Ger)**
[Biochemical and ultrastructural changes in the brain of the rat exposed to the cerebrospinal fluid of schizophrenics] Vilkov GA, et al. **Zh Nevropatol Psikhiatr** 1987;87(5):735–8 (Eng. Abstr.) **(Rus)**

MEDULLOBLASTOMA

Adult occurrence of medulloblastoma. Farwell JR, et al. **Acta Neurochir (Wien)** 1987;86(1-2):1–5
[Medulloblastoma of the posterior cranial fossa. A second tumor after Hodgkin's disease] Baronnet R, et al. **Pediatrie** 1987;42(2):91–4 (Eng. Abstr.) **(Fre)**

ANALYSIS

An immunohistochemical study on the distribution of glial fibrillary acidic protein, S-100 protein, neuron-specific enolase, and neurofilament in medulloblastomas. Hayashi K, et al. **Acta Pathol Jpn** 1987 Jan;37(1):85–96
Neuronal and glial proteins in medulloblastomas. II. Heterotransplantation of human medulloblastoma. Sawa H, et al. **Anticancer Res** 1986 Sep-Oct;6(5):911–5
Neuronal and glial proteins in medulloblastomas. I. Immunohistochemical study. Sawa H, et al. **Anticancer Res** 1986 Sep-Oct;6(5):905–9
Lysates of two established human tumor lines contain heparin-binding growth factors related to bovine acidic brain fibroblast growth factor. Lobb RR, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):861–7
Neuropeptides in gliomas: identification of somatostatin 14 in a medulloblastoma. Bateman DE, et al. **J Neurol Neurosurg Psychiatry** 1986 Sep;49(9):1074–6
Immunocytochemical characterization of long-term medulloblastoma cultures: preliminary report. Gerosa MA, et al. **Prog Exp Tumor Res** 1987;30:21–30
Synaptophysin: a reliable marker for medulloblastomas. Schwechheimer K, et al. **Virchows Arch [A]** 1987; 411(1):53–9

BLOOD SUPPLY

Simultaneous measurements of blood flow and blood-to-tissue transport in xenotransplanted medulloblastomas. Warnke PC, et al. **Cancer Res** 1987 Mar 15;47(6):1687–90

COMPLICATIONS

Central neurogenic hyperventilation in a patient with medulloblastoma. Gottlieb D, et al. **Eur Neurol** 1987; 27(1):51–4

CONGENITAL

Congenital medulloblastoma: an inquiry into origins. Amacher AL, et al. **Childs Nerv Syst** 1986;2(5):262–5

DRUG THERAPY

Survival and neurologic outcome of infants with medulloblastoma treated with surgery and MOPP chemotherapy. A preliminary report. Baram TZ, et al. **Cancer** 1987 Jul 15;60(2):173–7
[Chemotherapy of tumors of the central nervous system] Hildebrand J. **Rev Med Brux** 1987 Apr;8(4):195–8 (Eng. Abstr.) **(Fre)**
[Medulloblastoma therapy studies MBL 80 and MED 84 of the Society of Pediatric Oncology and the Société Internationale d'Oncologie Pédiatrique (SIOP)] Neidhardt M, et al. **Klin Padiatr** 1987 May-Jun;199(3):188–92 (Eng. Abstr.) **(Ger)**
[Combination chemotherapy with MOPP and intrathecal methotrexate in children with brain tumors] Sato J, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(11):3266–70 (Eng. Abstr.) **(Jpn)**
[Therapeutic effect of human lymphoblastoid interferon (MOR-22) on malignant brain tumors--a phase II study] Hirakawa K. **Nippon Gan Chiryo Gakkai Shi** 1986 Jun 20; 21(5):1068–74 (Eng. Abstr.) **(Jpn)**

EMBRYOLOGY

Fetal origin of the medulloblastoma: evidence from growth

analysis of two cases. Hirakawa K, et al. **Acta Neuropathol (Berl)** 1986;70(3–4):227–34

ETIOLOGY

Origin of the medulloblastoma experimentally induced by human polyomavirus JC. Matsuda M, et al. **JNCI** 1987 Sep;79(3):585–91

FAMILIAL & GENETIC

Cytogenetic studies of human brain tumors and their clinical significance. 1. Medulloblastoma. Latimer FR, et al. **J Neurooncol** 1987;4(3):287–91

METABOLISM

A rapidly dividing human medulloblastoma cell line (D283 MED) expresses all three neurofilament subunits. Trojanowski JQ, et al. **Am J Pathol** 1987 Feb;126(2):358–63

[Clinicopathological study on malignant glioma—with special reference to GFAP] Tajika T, et al. **No Shinkei Geka** 1986 Jun;14(7):831–5 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Viral neurooncogenesis. Takakura K, et al. **Prog Exp Tumor Res** 1987;30:10–20

OCCURRENCE

Racial patterns of childhood brain cancer by histologic type. Bunin G. **JNCI** 1987 May;78(5):875–80

PATHOLOGY

Differentiation in the medulloblastoma. A histological and immunohistochemical study. Burger PC, et al. **Acta Neuropathol (Berl)** 1987;73(2):115–23

A new staging method versus TNM staging in children with posterior fossa primitive neuroectodermal tumor (medulloblastoma). Laurent JP, et al. **Childs Nerv Syst** 1986; 2(5):238–41

Medulloblastoma: histological evaluation and prognosis. A clinical, immunohistochemical and electron microscopic study. Szymas J, et al. **Childs Nerv Syst** 1987;3(2):74–80

Primitive neuroectodermal tumor. Hedley-Whyte ET. **Pediatr Pathol** 1987;7(1):85–90

Dissemination of primary central nervous system tumors of childhood: incidence and clinical implications. Packer RJ, et al. **Prog Exp Tumor Res** 1987;30:206–14

Cerebellar medulloblastomas: a study of 35 cases with particular reference to cellular differentiation. Kasantikul V, et al. **Surg Neurol** 1986 Dec;26(6):532–41

Cerebellar medulloblastomas [editorial] Zimmerman HM. **Surg Neurol** 1986 Dec;26(6):601–2

[An autopsy case of medulloblastoma with massive hemorrhage] Narumi S, et al. **No Shinkei Geka** 1987 Jan; 15(1):103–7 (Eng. Abstr.) **(Jpn)**

[Metastases of medulloblastoma beyond the nervous system through a cerebrospinal fluid shunt: discussion with report of a case] Waclawik AJ, et al. **Neurol Neurochir Pol** 1986 Mar–Apr;20(2):147–51 **(Pol)**

PHYSIOPATHOLOGY

Cytodifferentiation in cerebellar medulloblastoma [letter] Katsetos CD. **J Neurosurg** 1987 Jul;67(1):152–3

RADIONUCLIDE IMAGING

Preferential accumulation of 11C in human brain tumors after intravenous injection of 11C-1-pyruvate. Tsukiyama T, et al. **Eur J Nucl Med** 1986;12(5–6):244–8

RADIOTHERAPY

CT-compatible system for stereotactic biopsy and brachytherapy of infratentorial tumors. Dyck P, et al. **Appl Neurophysiol** 1986;49(1–2):53–61

Radiation-induced neoplasms of the brain. Kumar PP, et al. **Cancer** 1987 Apr 1;59(7):1274–82

Radiotherapeutic management of medulloblastoma in a pediatric patient with ataxia telangiectasia. Hart RM, et al. **Int J Radiat Oncol Biol Phys** 1987 Aug;13(8):1237–40

Medulloblastoma: the Duke University Medical Center experience. Hershatter BW, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1771–7

[Radiotherapy method in the treatment of medulloblastoma] Röttinger EM. **Klin Padiatr** 1987 May-Jun;199(3):193–5 (Eng. Abstr.) **(Ger)**

[Radiotherapy of medulloblastoma] Wendt TG, et al. **Strahlenther Onkol** 1987 Jan;163(1):1–5 (Eng. Abstr.) **(Ger)**

[Preoperative radiotherapy of brain tumors] Kondo T, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1550–7 (Eng. Abstr.) **(Jpn)**

SECONDARY

Thoracic spinal metastasis from unexpected cerebellar medulloblastoma: the value of MRI. Wang AM, et al. **Comput Radiol** 1986 Jul–Aug;10(4):161–6

Recurrent medulloblastoma in bone. Hill JB, et al. **J Miss State Med Assoc** 1987 Apr;28(4):91–2

Spinal metastasis in primitive neuroectodermal tumors (medulloblastoma) of the posterior fossa: evaluation with CT myelography and correlation with patient age and tumor differentiation. George RE, et al. **Pediatr Neurosci** 1985–86;12(3):157–60

[Extracranial extraneural metastasizing brain tumor] Elmohamed A, et al. **Pathologe** 1987 Jan;8(1):56–60 **(Ger)**

[Meningeal dissemination of cerebellar medulloblastoma] Yamazaki H, et al. **Neurol Med Chir (Tokyo)** 1986 Jun; 26(6):475–80 (Eng. Abstr.) **(Jpn)**

SURGERY

Meningioma occurring twenty-three years after a successfully treated cerebellar medulloblastoma: case report. Ojeda VJ, et al. **Aust NZ J Surg** 1987 Feb; 57(2):133–5

Cerebellar medulloblastoma in a 73-year-old woman. Kepes JJ, et al. **Neurosurgery** 1987 Jul;21(1):81–3

THERAPY

Long-term endocrine sequelae after surgery, radiotherapy, and chemotherapy in children with medulloblastoma. Pasqualini T, et al. **Cancer** 1987 Feb 15;59(4):801–6

Medulloblastoma: a critical approach to the management on the basis of 12 years of experience. Colangelo M, et al. **Childs Nerv Syst** 1987;3(2):81–4

Prospective randomized cooperative medulloblastoma trial (MED 84) of the International Society of Paediatric Oncology (SIOP) and of the (German) Society of Paediatric Oncology (GPO). Neidhardt MK, et al. **Childs Nerv Syst** 1987;3(2):70–3

A review of the factors influencing the prognosis of medulloblastoma. The importance of cell differentiation. Caputy AJ, et al. **J Neurosurg** 1987 Jan;66(1):80–7

Analyzing factors influencing medulloblastoma prognosis [letter] Watt TJ, et al. **J Neurosurg** 1987 Sep;67(3):471–2

Extraneural metastases from medulloblastoma: long-term survival after sequentially scheduled chemotherapy and radiotherapy. Mahoney DH Jr, et al. **Med Pediatr Oncol** 1986;14(6):329–31

Management of children with primitive neuroectodermal tumors of the posterior fossa/medulloblastoma. Packer RJ, et al. **Pediatr Neurosci** 1985–86;12(4–5):272–82 (33 ref.)

Treatment of medulloblastoma. Inoya H, et al. **Prog Exp Tumor Res** 1987;30:91–9

Treatment of medulloblastomas. Experience of different protocols. Lapras C, et al. **Prog Exp Tumor Res** 1987; 30:81–90

[Results of combination treatment of medulloblastoma at the Charlottenburg Hospital of the Berlin Free University (1951 to 1980)] Habermalz HJ. **Strahlenther Onkol** 1987 Jun;163(6):345–9 (Eng. Abstr.) **(Ger)**

[Radiotherapy of medulloblastoma combined with OK-432 (picibanil)—utilization of its alleviating action on radiation-induced myelosuppression] Aoki Y. **Nippon Gan Chiryo Gakkai Shi** 1986 Aug 20;21(7):1376–85 (Eng. Abstr.) **(Jpn)**

MEFENAMIC ACID

ADMINISTRATION & DOSAGE

Comparison of two formulations of lignocaine spray with mefenamic acid in the relief of post-episiotomy pain: a placebo-controlled study. Harrison RF, et al. **Curr Med Res Opin** 1987;10(6):375–9

Investigation of dressings designed for treatment of alveolitis sicca dolorosa ("dry socket"). Part 3: Influence of mannitol and sorbitol on properties of tablets and dressings comprising acetylsalicylic acid, mefenamic acid and aseptin P. Grabowska-Bochenek J, et al. **Pharmazie** 1986 Nov; 41(11):782–3

ADVERSE EFFECTS

Mefenamic acid nephropathy. Segasothy M, et al. **Nephron** 1987;45(2):156–7

Mefenamic acid-induced bullous pemphigoid. Shepherd AN, et al. **Postgrad Med J** 1986 Jan;62(723):67–8

METABOLISM

Bioavailability of mefenamic acid: influence of food and water intake. Hamaguchi T, et al. **J Pharm Sci** 1986 Sep; 75(9):891–3

Effects of food on absorption of mefenamic acid from two commercial capsules differing in bioavailability under the fasting state. Hamaguchi T, et al. **J Pharmacobiodyn** 1987 Jan;10(1):21–5

[Biopharmaceutical evaluation of the intrarectal use of mefenamic acid. III. Effect of solubilizers on the biological availability of mefenamic acid from witepsol H15] Kosior A. **Acta Pol Pharm** 1986;43(2):156–60 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

The effects of mefenamic acid on postprandial intestinal carbohydrate metabolism. Gallavan RH Jr, et al. **Prostaglandins** 1986 Jun;31(6):1069–76

Effect of mefenamic acid on bronchial tone in vivo. Laviolette M, et al. **Respiration** 1987;51(1):35–8

POISONING

A case of intravenous and oral mefenamic acid poisoning. McKillop G, et al. **Scott Med J** 1987 Jun;32(3):81–2

THERAPEUTIC USE

A comparative crossover study of piroxicam vs. mefenamic acid and diclofenac in France. Serfaty D. **Acta Obstet Gynecol Scand [Suppl]** 1986;138:19–20

Control of menorrhagia by the cyclo-oxygenase inhibitors naproxen sodium and mefenamic acid. Hall P, et al. **Br J Obstet Gynaecol** 1987 Jun;94(6):554–8

Effects of antipyretics in rinderpest virus infection in rabbits. Kurosawa S, et al. **J Infect Dis** 1987 May;155(5):991–7

Investigation of dressings developed for the treatment of alveolitis sicca dolorosa. Part 2: Influence of glycerol and PEG 200 on the properties of tablets and dressings comprising mefenamic acid and Nipagin P. Grabowska-Bochenek J, et al. **Pharmazie** 1986 Sep; 41(9):648–50

[Treatment of patients with influenza and acute respiratory viral infections using mefenamic acid] Frolov AF, et al. **Vrach Delo** 1987 Mar;(3):106–8 **(Rus)**

MEFRUSIDE see under **DIURETICS, SULFAMYL**

MEGACINS see under **BACTERIOCINS**

MEGACOLON

Megacolon in Zimbabwe: is there a new idiopathic variety? A preliminary report. Shija JK. **East Afr Med J** 1986 Sep; 63(9):599–609

COMPLICATIONS

Atrioventricular block secondary to straining. Mikhail MS, et al. **Crit Care Med** 1987 Jul;15(7):705–6

Gallbladder motor function in chagasic patients with megacolon and/or megaesophagus. Villanova MG, et al. **Digestion** 1987;36(4):189–94

Degenerative leiomyopathy with massive megacolon. Myopathic form of chronic idiopathic intestinal pseudo-obstruction occurring in indigenous Africans. Kaschula RO, et al. **Perspect Pediatr Pathol** 1987; 11:193–213

[Two cases of myotonic dystrophy associated with megacolon] Miyoshi T, et al. **Rinsho Shinkeigaku** 1986 Oct; 26(10):1017–22 (Eng. Abstr.) **(Jpn)**

[Incidence of diverticular disease of the large bowel in non-chagasic and chagasic individuals with and without megacolon] Meneghelli UG, et al. **Arq Gastroenterol** 1986 Jan–Mar;23(1):3–8 (Eng. Abstr.) **(Por)**

[Etiology and pathogenesis of acute appendicitis in patients with idiopathic megadolichocolon] Iaremchuk AIa, et al. **Klin Khir** 1987;(4):60–1 **(Rus)**

[Diaphragmatic eventration (unilateral elevation) and megacolon] Suárez Molina J, et al. **Rev Med Chil** 1987 Jan;115(1):56–9 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Visceral myopathy of the colon mimicking Hirschsprung's disease. Diagnosis by deep rectal biopsy. Leon SH, et al. **Dig Dis Sci** 1986 Dec;31(12):1381–6

ETIOLOGY

Parkinson's disease and megacolon: concentric hyaline inclusions (Lewy bodies) in enteric ganglion cells. Kupsky WJ, et al. **Neurology** 1987 Jul;37(7):1253–5

[Digestive manifestations in a patient with type-IIB multiple endocrine neoplasms] Chamouard P, et al. **Ann Gastroenterol Hepatol (Paris)** 1986 Dec;22(7):385–90 (Eng. Abstr.) **(Fre)**

[Experimental dilatation of the cecum and colon in rats. III. A model induced by prolonged administration of lactose in the diet of animals in the chronic phase of infection by the Y strain of T. cruzi] Collares EF, et al. **Arq Gastroenterol** 1986 Apr–Jun;23(2):88–94 (Eng. Abstr.) **(Por)**

[Toxic megacolon caused by typhoid fever] Mur M, et al. **Rev Esp Enferm Apar Dig** 1987 Mar;71(3):254–6 (Eng. Abstr.) **(Spa)**

[Megacolon and the VATER association or syndrome] Bannura G, et al. **Rev Med Chil** 1986 May;114(5):450–5 (Eng. Abstr.) **(Spa)**

NURSING

Understanding adult acquired megacolon. Pereira J, et al. **Geriatr Nurs (New York)** 1987 Jan–Feb;8(1):16–9

PHYSIOPATHOLOGY

[Chagas' megacolon: considerations on new physiopathological perspectives] Kiss DR, et al. **Rev Paul Med** 1986 May-Jun;104(3):145–55 (Eng. Abstr.) **(Por)**

[Functional status of the ileocecal regulatory system in idiopathic megadolichocolon] Iaremchuk AIa, et al. **Klin Khir** 1987;(2):46–7 **(Rus)**

MEGACOLON, CONGENITAL see **HIRSCHSPRUNG DISEASE**

MEGACOLON, TOXIC see under **COLITIS, ULCERATIVE**

MEGAESOPHAGUS see **ESOPHAGEAL ACHALASIA**

MEGAKARYOBLASTIC LEUKEMIA see **LEUKEMIA, MEGAKARYOBLASTIC**

MEGAKARYOCYTES

Biochemical properties of human urinary megakaryocyte colony-stimulating factor and erythropoietin: the role of sulfhydryl groups and disulfide bonds. Shimizu T, et al. **Exp Cell Biol** 1986;54(5-6):281-6

ANALYSIS

Cell surface phenotyping of megakaryoblasts. Koike T, et al. **Blood** 1987 Mar;69(3):957-60

Detection of neuropeptide Y and its mRNA in megakaryocytes: enhanced levels in certain autoimmune mice. Ericsson A, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(16):5585-9

Glycogen content and PAS staining pattern of human megakaryocytes. Shammas FV, et al. **Scand J Haematol** 1986 Sep;37(3):237-42

CLASSIFICATION

[Classifications of megakaryopoietic cells on plastic semithin sections: effects of pregnancy and estrogen administration on megakaryopoiesis] Matsumura G, et al. **Kaibogaku Zasshi** 1986 Oct;61(5):600-8 (Eng. Abstr.) **(Jpn)**

CYTOLOGY

Megakaryocytes in a fine needle aspirate of the lung [letter] Chen KT. **Acta Cytol (Baltimore)** 1987 Jan-Feb;31(1):81-2

Megakaryocyte progenitors in the bone marrow and peripheral blood of patients with myeloproliferative diseases. Grossi A, et al. **Am J Hematol** 1987 Aug; 25(4):371-6

Interrelationship between mitosis and endomitosis in cultures of human megakaryocyte progenitor cells [published erratum appears in Blood 1987 May;69(5):1547] Arriaga M, et al. **Blood** 1987 Feb;69(2):486-92

Interaction of ristocetin and bovine plasma with guinea pig megakaryocytes: a means to enrich megakaryocytes based on membrane rather than physical characteristics. Jackson CW, et al. **Blood** 1987 Jan;69(1):173-9

Megakaryocyte morphogenesis stimulated in vitro by whole and partially fractionated thrombocytopenic plasma: a model system for the study of platelet formation. Leven RM, et al. **Blood** 1987 Apr;69(4):1046-52

Proplatelets and stress platelets. Tong M, et al. **Blood** 1987 Feb;69(2):522-8

Proplatelets and stress platelets [letter] Trowbridge A. **Blood** 1987 Aug;70(2):600-1

The humoral regulation of megakaryocytopoiesis and platelet production in vivo. Kuriya S, et al. **Blood Cells** 1986; 12(1):233-47

The effect of pretreatment with thio-TEPA and cytosine arabinoside on megakaryocytopoiesis in rats given a sublethal dose of thio-TEPA. Tanum G, et al. **Blut** 1987 Jan;54(1):33-41

Acquired refractory anaemia with excess of blasts of promegakaryoblastic type. Woessner S, et al. **Blut** 1986 Oct;53(4):293-9

Effect of human recombinant erythropoietin on human marrow megakaryocyte colony formation in vitro. Dessypris EN, et al. **Br J Haematol** 1987 Mar;65(3):265-9

Inverse relationship between megakaryocyte buoyant density and maturity. Jackson CW, et al. **Br J Haematol** 1986 Sep; 64(1):33-43

Effect of insulin on murine megakaryocytopoiesis in a liquid culture system. Watanabe Y, et al. **Cell Struct Funct** 1987 Jun;12(3):311-6

Induction of platelet-derived growth factor gene expression during megakaryoblastic and monocytic differentiation of human leukemia cell lines. Alitalo R, et al. **EMBO J** 1987 May;6(5):1213-8

Megakaryocytic development in liquid cultures of cryopreserved leukocyte stem cell concentrates from chronic myelogenous leukemia patients. Berthier R, et al. **Exp Hematol** 1987 Aug;15(7):750-8

Cloning of murine megakaryocyte progenitor cells in a fibrin clot culture system. Kuriya S, et al. **Exp Hematol** 1987 Sep;15(8):896-901

Human megakaryocytes. IV. Growth and characterization of clonable megakaryocyte progenitors in agar. Levene RB, et al. **Exp Hematol** 1987 Feb;15(2):181-9

Charcoal-dextran treatment of fetal bovine serum removes an inhibitor of human CFU-megakaryocytes. Lindquist DL, et al. **Exp Hematol** 1987 Mar;15(3):234-8

Multivariate flow cytometric characterization and enrichment of murine megakaryocyte progenitors (CFU-Meg). Pallavicini MG, et al. **Exp Hematol** 1987 Jul; 15(6):704-9

Terminal cytoplasmic maturation of human megakaryocytes in vitro. Straneva JE, et al. **Exp Hematol** 1986 Nov; 14(10):919-29

Acute megakaryocytic myelosis preceded by myelodysplasia. Report of a case and review of the literature. Fohlmeister I, et al. **Haematologia (Budap)** 1986;19(2):151-60

The effect of platelet homogenate fractions on megakaryocytopoiesis in the mouse. Vezendi K, et al. **Haematologia (Budap)** 1986;19(2):113-6

Morphometric studies of megakaryocytes in human and rat fetal, infantile and adult hematopoiesis. I. Observations on human fetuses and blood dyscrasias. Izumi T. **Hiroshima J Med Sci** 1987 Mar;36(1):25-30

Improvement of culture conditions for human megakaryocytic and pluripotent progenitor cells by low oxygen tension. Katahira J, et al. **Int J Cell Cloning** 1987 Sep;5(5):412-20

The effect of recombinant erythropoietin on murine megakaryocyte colony formation. Tsukada J, et al. **Int J Cell Cloning** 1987 Sep;5(5):401-11

Suppression of maturation of megakaryocyte colony forming unit in vitro by a platelet-released glycoprotein. Dessypris EN, et al. **J Cell Physiol** 1987 Mar;130(3):361-8

Human recombinant erythropoietin promotes differentiation of murine megakaryocytes in vitro. Ishibashi T, et al. **J Clin Invest** 1987 Jan;79(1):286-9

Recombinant murine granulocyte macrophage colony-stimulating factor has megakaryocyte colony-stimulating activity and augments megakaryocyte colony stimulation by interleukin 3. Robinson BE, et al. **J Clin Invest** 1987 Jun;79(6):1648-52

Nuclear segmentation, ultrastructure, and cytochemistry of blood cells from dogs with Pelger-Huët anomaly. Latimer KS, et al. **J Comp Pathol** 1987 Jan;97(1):61-72

The influence of T lymphocyte subsets and humoral factors on colony formation by human bone marrow and blood megakaryocyte progenitor cells in vitro. Geissler D, et al. **J Immunol** 1986 Oct 15;137(8):2508-13

A cell kinetic study of megakaryoblastic progenitors during establishing megakaryoblastic cell line. Nagasawa T, et al. **Keio J Med** 1987 Jan;36(1):81-2

Maturation of megakaryocytes derived from megakaryocytic progenitors. Nagasawa T. **Nippon Ketsueki Gakkai Zasshi** 1986 Dec;49(8):1688-95

Megakaryocytopoiesis in idiopathic thrombocytopenic purpura. Sugiyama H, et al. **Nippon Ketsueki Gakkai Zasshi** 1987 Feb;50(1):119-28

Adhesion, spreading and fragmentation of human megakaryocytes exposed to subendothelial extracellular matrix: a scanning electron microscopy study. Caine YG, et al. **Scan Electron Microsc** 1986;(Pt 3):1087-94

Megakaryocytes from the marrow of a patient with Glanzmann's thrombasthenia lacked GP IIb-IIIa complexes. Hourdillé P, et al. **Thromb Haemost** 1986 Aug 20;56(1):66-70

[Megakaryocytopoiesis studied in a mathematical model. 4. Regulation of cell flow in a transit population] Selivanov VA, et al. **Ontogenez** 1986 Sep-Oct;17(5):549-52 (Eng. Abstr.) **(Rus)**

[Immunological mechanisms of the activation of extramedullary megakaryocytopoiesis in immobilization stress in mice] Froiov BA, et al. **Patol Fiziol Eksp Ter** 1987 Jan-Feb;(1):41-5 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Human T-lymphocyte-derived megakaryocyte colony-stimulating activity. Bagnara GP, et al. **Exp Hematol** 1987 Jul;15(6):679-84

Effects of ethanol on cultured human megakaryocytic progenitors. Clark DA, et al. **Exp Hematol** 1986 Nov; 14(10):951-4

Effects of megakaryocyte colony-stimulating factor on terminal cytoplasmic maturation of human megakaryocytes. Straneva JE, et al. **Exp Hematol** 1987 Jul; 15(6):657-63

Determination of platelet-megakaryocyte regeneration time in painters occupationally exposed to organic solvents. Beving H, et al. **J Chromatogr** 1986 Oct 31;382:67-77

Effects of recombinant erythropoietin on murine megakaryocytic colony formation in vitro. Clark DA, et al. **J Lab Clin Med** 1986 Nov;108(5):423-9

Comparison of the malondialdehyde formation in megakaryocytes and platelets after in vivo and in vitro administration of aspirin. Saigo K, et al. **Nippon Ketsueki Gakkai Zasshi** 1987 Feb;50(1):138-47

[Effect of nonselective beta-adrenergic actions on rat megakaryocytes and thrombocytes] Negrev NN, et al. **Gematol Transfuziol** 1986 Nov;31(11):32-4 (Eng. Abstr.) **(Rus)**

[Megakaryocytopoiesis studied in a mathematical model. 2. Regulation of cell differentiation following damage to part of the proliferating bone marrow pool by hydroxyurea] Selivanov VA, et al. **Ontogenez** 1986 Sep-Oct;17(5):541-4 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Morphological studies on the forming processes and patterns of the platelet demarcation membrane system in the megakaryocytic series of embryonic rat livers. Kakuta S, et al. **Arch Histol Jpn** 1986 Jun;49(2):255-65

ENZYMOLOGY

Immunocytochemical identification of cells of megakaryocytic lineage by alkaline phosphatase anti-alkaline phosphatase method. Toyama K, et al. **Keio J Med** 1987 Jan;36(1):50-2

IMMUNOLOGY

Antigenic differences between human platelets and megakaryocytes. Hyde P, et al. **Am J Pathol** 1987 May; 127(2):349-57

Complement-dependent cytotoxic factor to megakaryocyte progenitors in sera from patients with idiopathic thrombocytopenic purpura. Usuki Y, et al. **Int J Cell Cloning** 1986 Nov;4(6):447-63

Link between pulmonary megakaryocytes and cardiovascular and respiratory disease [letter] Trowbridge A, et al. **J Clin Pathol** 1987 Apr;40(4):468-9

Osteoclasts contain macrophage and megakaryocyte antigens. Athanasou NA, et al. **J Pathol** 1986 Dec;150(4):239-46

METABOLISM

Synthesis and postsynthetic processing of platelet GPIIb-IIIa in human megakaryocyte. Duperray A, et al. **Agents Actions [Suppl]** 1986;20:63-8

Expression of the fibrinogen genes in rat megakaryocytes. Uzan G, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):543-9

Biosynthesis and secretion of functional protein S by a human megakaryoblastic cell line (MEG-01). Ogura M, et al. **Blood** 1987 Jul;70(1):301-6

The role of erythropoietin, megakaryocyte colony-stimulating factor, and T-cell-derived factors on human megakaryocyte colony formation: evidence for T-cell-mediated and T-cell-independent stem cell proliferation. Geissler D, et al. **Exp Hematol** 1987 Sep; 15(8):845-53

Synthesis of thrombospondin and glycoprotein IIb-IIIa by a purified megakaryocyte human bone marrow culture. Sitar G, et al. **Haematologica (Pavia)** 1986 Sep-Oct; 71(5):389-93

Uptake of 3H-dopamine in megakaryocytes and blood platelets measured by quantitative electron-microscope autoradiography. Daimon T, et al. **Histochemistry** 1986; 85(6):453-6

In vitro stimulation of megakaryocyte maturation by megakaryocyte stimulatory factor. Greenberg SM, et al. **J Biol Chem** 1987 Mar 5;262(7):3269-77

Biosynthesis and processing of platelet GPIIb-IIIa in human megakaryocytes. Duperray A, et al. **J Cell Biol** 1987 Jun; 104(6):1665-73

Constitutive and inducible secretion of platelet-derived growth factor analogs by human leukemic cell lines coexpressing erythroid and megakaryocytic markers. Papayannopoulou T, et al. **J Clin Invest** 1987 Mar; 79(3):859-66

Incorporation of a circulating protein into megakaryocyte and platelet granules. Handagama PJ, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):861-5

MICROBIOLOGY

HBLV (or HHV-6) in human cell lines [letter] Ablashi DV, et al. **Nature** 1987 Sep 17-23;329(6136):207

PATHOLOGY

Synacril black AN. A new stain for normal and abnormal human megakaryocytes. Kass L. **Am J Clin Pathol** 1986 Oct;86(4):506-10

Megakaryocytic colony formation (CFU-Meg) in essential thrombocythemia: quantitative and qualitative abnormalities of bone marrow CFU-Meg. Kimura H, et al. **Am J Hematol** 1987 Jan;24(1):23-30

Megakaryopoiesis disturbances in atherosclerotic rabbits. Dupont H, et al. **Atherosclerosis** 1987 Jan;63(1):15-26

Functionally abnormal stromal cells and megakaryocyte size, ploidy, and ultrastructure in Sl/Sld mice. Ebbe S, et al. **Blood Cells** 1986;12(1):217-32

Modulation of megakaryocyte emperipolesis by phlebotomy: megakaryocytes as a component of marrow-blood barrier. Tavassoli M. **Blood Cells** 1986;12(1):205-16

Detection of cells of megakaryocyte lineage in haematological malignancies by immuno-alkaline phosphatase labelling cell smears with a panel of monoclonal antibodies. Erber WN, et al. **Br J Haematol** 1987 Jan;65(1):87-94

A new familial 'giant platelet syndrome' with structural, metabolic and functional abnormalities of platelets due to a primary megakaryocyte defect. Greaves M, et al. **Br J Haematol** 1987 Apr;65(4):429-35

Colony formation by megakaryocytic progenitors in essential thrombocythaemia. Juvonen E, et al. **Br J Haematol** 1987 Jun;66(2):161-4

Transient megakaryoblastic proliferation in a newborn infant with Down's syndrome [letter] Hayashi Y, et al. **Cancer Genet Cytogenet** 1987 Oct;28(2):373-4

Mechanisms of thrombocytopenia in chronic autoimmune thrombocytopenic purpura. Evidence of both impaired platelet production and increased platelet clearance. Ballem PJ, et al. **J Clin Invest** 1987 Jul;80(1):33-40

Pulmonary megakaryocytes: "missing link" between cardiovascular and respiratory disease? Sharma GK, et al. **J Clin Pathol** 1986 Sep;39(9):969-76

Megakaryocytopoiesis in vitro of the patients with essential thrombocythemia. Miura Y, et al. **Keio J Med** 1987 Jan; 36(1):86-8

Human megakaryocytic progenitor cells. Kanz L, et al. **Klin Wochenschr** 1987 Apr 1;65(7):297-307

Progressive preleukemia presenting amegakaryocytic thrombocytopenic purpura: association of the 5q- syndrome with a decreased megakaryocytic colony formation and a defective production of Meg-CSF. Geissler D, et al. **Leuk Res** 1987;11(8):731–7

Balloon-like platelets in myelodysplastic syndromes--a feature of dysmegakaryopoiesis? Widell S, et al. **Leuk Res** 1987;11(8):747–52

Pathophysiology of essential thrombocythemia: quantitative and qualitative changes of marrow megakaryocytic progenitors (CFU-Meg). Kimura H. **Nippon Ketsueki Gakkai Zasshi** 1986 Dec;49(8):1696–704

Abnormal clones of megakaryocytes in myeloproliferative disorders. Sato Y, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Dec;49(8):1705–18

Megakaryocytes and myelofibrosis in gray platelet syndrome. Caen JP, et al. **Nouv Rev Fr Hematol** 1987;29(2):109–14

[Clinicopathologic conference. Chronic myeloproliferative disease with an increase in platelet count in the differential diagnosis of primary (essential, idiopathic) thrombocythemia (PTH)] Zankovich R, et al. **Med Klin** 1986 Jan 17;81(1):31–5 **(Ger)**

[A differentiation potency of blasts in chronic myelogenous leukemia in blastic crisis to megakaryocytic lineage] Sato T, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Nov; 49(7):1360–7 (Eng. Abstr.) **(Jpn)**

[A case of congenital thrombocytopenia with decreased megakaryocytes] Ito T, et al. **Rinsho Ketsueki** 1986 Aug; 27(8):1404–9 (Eng. Abstr.) **(Jpn)**

[Megakaryocytopoiesis studied in a mathematical model. 3. Regulation of cell differentiation in immune thrombocytopenia] Selivanov VA, et al. **Ontogenez** 1986 Sep-Oct;17(5):544–8 (Eng. Abstr.) **(Rus)**

[Characteristics of the megakaryocytic-thrombocytic system during immobilization stress in mice] Meerson FZ, et al. **Patol Fiziol Eksp Ter** 1986 Jul-Aug;(4):30–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

In vitro platelet release by rat megakaryocytes: effect of heterologous antiplatelet serum. Handagama PJ, et al. **Am J Vet Res** 1987 Jul;48(7):1147–9

In vitro platelet release by rat megakaryocytes: effect of metabolic inhibitors and cytoskeletal disrupting agents. Handagama PJ, et al. **Am J Vet Res** 1987 Jul;48(7):1142–6

Regulation of thrombopoiesis: effects of the degree of thrombocytopenia on megakaryocyte ploidy and platelet volume. Corash L, et al. **Blood** 1987 Jul;70(1):177–85

Quantitation of human in vitro megakaryocytopoiesis by radioimmunoassay. Grant BW, et al. **Blood** 1987 May; 69(5):1334–9

Type beta transforming growth factor is a potent inhibitor of murine megakaryocytopoiesis in vitro. Ishibashi T, et al. **Blood** 1987 Jun;69(6):1737–41

Megakaryocytopoiesis in vitro of patients with essential thrombocythaemia: effect of plasma and serum on megakaryocytic colony formation. Komatsu N, et al. **Br J Haematol** 1986 Oct;64(2):241–52

Megakaryocytopoiesis and platelet production: a review. Mazur EM. **Exp Hematol** 1987 May;15(4):340–50 (133 ref.)

Human chronic myeloid leukemic cell line with positive Philadelphia chromosome exhibits megakaryocytic and erythroid characteristics. Seigneurin D, et al. **Exp Hematol** 1987 Sep;15(8):822–32

Haemopoietic growth factors stimulating murine megakaryocytopoiesis: interleukin-3 is immunologically distinct from megakaryocyte-potentiator. Sparrow RL, et al. **Leuk Res** 1987;11(1):31–6

Structure of the rat platelet factor 4 gene: a marker for megakaryocyte differentiation. Doi T, et al. **Mol Cell Biol** 1987 Feb;7(2):898–904

In vitro promotion of human megakaryocytopoiesis by intact T cells--human CFU-M growth promotion by T cells. Hamaguchi H, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Sep;49(6):1300–6

Induction of megakaryocytic colony-stimulating activity in mouse skin by inflammatory agents and tumor promoters. Clark DA, et al. **Proc Soc Exp Biol Med** 1987 Mar; 184(3):245–9

[Megakaryocyte rotation] Nagasawa T. **Rinsho Byori** 1987 Jun;Spec No 71:49–56 (23 ref.) **(Jpn)**

[Human urinary megakaryocyte colony and thrombopoiesis stimulating factor] Kawakita M, et al. **Rinsho Ketsueki** 1986 Jul;27(7):1195–203 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Erythrocytic internalization in the most immature leukaemic megakaryocytic precursors [letter] Woessner S, et al. **Eur J Haematol** 1987 Apr;38(4):381–2

ULTRASTRUCTURE

Scanning electron microscopic studies of megakaryocytes and platelet formation in the dog and rat. Handagama P, et al. **Am J Vet Res** 1986 Nov;47(11):2454–60

Scanning electron microscope study of platelet release by canine megakaryocytes in vitro. Handagama PJ, et al. **Am J Vet Res** 1987 Jun;48(6):1003–6

Morphometric studies of megakaryocytes in human and rat fetal, infantile and adult hematopoiesis. II. Observations on rat fetuses and adult rats. Izumi T. **Hiroshima J Med Sci** 1987 Mar;36(1):31–7

Surface ultrastructure of human megakaryocytes sorted on the basis of DNA content. Weller MA, et al. **Scan Electron Microsc** 1986;(Pt 4):1437–43

[The morphology of megakaryocytes] Hattori A, et al. **Rinsho Byori** 1987 Jun;Spec No 71:34–48 (46 ref.) **(Jpn)**

MEGALOBLASTS see under **ERYTHROCYTES, ABNORMAL**

MEGAVOLT RADIOTHERAPY see **RADIOTHERAPY, HIGH ENERGY**

MEGESTROL

ANALOGS & DERIVATIVES

Phase II study of megestrol acetate for metastatic carcinoma of the prostate. Crombie C, et al. **Br J Urol** 1987 May; 59(5):443–6

Suppression of cortisol responses to exogenous adrenocorticotrophic hormone, and the occurrence of side effects attributable to glucocorticoid excess, in cats during therapy with megestrol acetate and prednisolone. Middleton DJ, et al. **Can J Vet Res** 1987 Jan;51(1):60–5

Prolactin release-inhibitory effects of progesterone, megestrol acetate, and mifepristone (RU 38486) by cultured rat pituitary tumor cells. Lamberts SW, et al. **Cancer Res** 1987 Jul 15;47(14):3667–71

Phase II evaluation of megestrol acetate in previously treated patients with advanced breast cancer: relationship of response to previous treatment. Blackledge GR, et al. **Eur J Cancer Clin Oncol** 1986 Sep;22(9):1091–4

Effect of antiandrogen and/or antiestrogen blockade on human prostate epithelial and stromal cell protein synthesis. Geller J, et al. **J Steroid Biochem** 1986 Nov;25(5B):759–63

High-dose megestrol acetate. A possible treatment for cachexia. Tchekmedyian NS, et al. **JAMA** 1987 Mar 6; 257(9):1195–8

Effects of megestrol acetate on glucose tolerance and growth hormone secretion in the cat. Peterson ME. **Res Vet Sci** 1987 May;42(3):354–7

High-dose megestrol acetate for the treatment of advanced breast cancer: dose and toxicities. Aisner J, et al. **Semin Hematol** 1987 Apr;24(2 Suppl 1):48–55

Megestrol acetate: a new role in the treatment of metastatic breast cancer. Allegra JC. **Semin Hematol** 1987 Apr;24(2 Suppl 1):45–7

Management of hormone responsive diseases. Proceedings of the third international conference. June 7, 1986, Rotterdam, The Netherlands. **Semin Oncol** 1986 Dec;13(4 Suppl 4):1–43

Megestrol acetate v tamoxifen in advanced breast cancer: correlation of hormone receptors and response. Ettinger DS, et al. **Semin Oncol** 1986 Dec;13(4 Suppl 4):9–14

Hormonal therapy for lesions of the endometrium. Gal D. **Semin Oncol** 1986 Dec;13(4 Suppl 4):33–6

Progestational agents in advanced breast cancer: an overview. Haller DG, et al. **Semin Oncol** 1986 Dec;13(4 Suppl 4):2–8

Megestrol acetate: first-line therapy for advanced breast cancer. Johnson PA, et al. **Semin Oncol** 1986 Dec;13(4 Suppl 4):15–9

High-dose megestrol acetate therapy of ovarian carcinoma: a phase II study by the Northern California Oncology Group. Sikic BI, et al. **Semin Oncol** 1986 Dec;13(4 Suppl 4):26–32

Appetite stimulation with megestrol acetate in cachectic cancer patients. Tchekmedyian NS, et al. **Semin Oncol** 1986 Dec;13(4 Suppl 4):37–43

High-dose megestrol acetate in the treatment of postmenopausal women with advanced breast cancer. Tchekmedyian NS, et al. **Semin Oncol** 1986 Dec;13(4 Suppl 4):20–5

[Megestrol acetate versus medroxyprogesterone acetate in the treatment of metastasizing breast cancers. Intermediate report of a multicenter phase III study] Wander HE, et al. **Onkologie** 1987 Apr;10(2):104–6 **(Ger)**

ANALYSIS

[Studies on the purity of Chinese megestrol acetate: separation and identification of epimeric isomers of 6-hydroxy-6-methyl-17 alpha-acetoxy-progesterone] Fang XG, et al. **Yao Hsueh Hsueh Pao** 1986 Aug; 21(8):613–7 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

The influence of progestins on receptor levels in breast cancer metastasis. Lundgren S, et al. **Anticancer Res** 1987 Jan-Feb; 7(1):119–23

THERAPEUTIC USE

[Palliative treatment of skeletal metastases in patients with breast carcinoma (letter)] **Ned Tijdschr Geneeskd** 1987 Jun 20;131(25):1097–8 **(Dut)**

MEGLUMINE see under **SORBITOL**

MEGLUMINE DIATRIZOATE see **DIATRIZOATE MEGLUMINE**

MEGLUMINE IOTHALAMATE see **IOTHALAMATE MEGLUMINE**

MEIBOMIAN GLANDS see under **EYELIDS**

MEIGE SYNDROME see under **BASAL GANGLIA DISEASES**

MEIGS' SYNDROME

DIAGNOSIS

[Meigs' syndrome] Gwóźdź AZ. **Wiad Lek** 1986 Jun 1; 39(11):776–80 (Eng. Abstr.) **(Pol)**

HISTORY

[The man behind the syndrome: Joe Vincent Meigs. History-making in the gynecology of the 20th century] Kjellgren O. **Lakartidningen** 1986 Nov 12;83(46):3908–10 **(Swe)**

PATHOLOGY

Meigs' syndrome and pseudo-Meigs' syndrome. O'Flanagan SJ, et al. **J R Soc Med** 1987 Apr;80(4):252–3

MEIOSIS

Meiosis in bovine oocytes matured in vitro and in vivo. King WA, et al. **Acta Vet Scand** 1986;27(2):267–79

The meiotic segregation of human sperm chromosomes in two men with accessory marker chromosomes. Martin RH, et al. **Am J Med Genet** 1986 Oct;25(2):381–8

Meiotic behaviour of familial pericentric inversions of chromosomes 1 and 9. Guichaoua MR, et al. **Ann Genet (Paris)** 1986;29(3):207–14

Chromosome segregation in mitosis and meiosis. Murray AW, et al. **Annu Rev Cell Biol** 1985;1:289–315 (76 ref.)

Meiotic prophase in the left embryonic testis of the Japanese quail (Coturnix coturnix japonica L.). Rogulska T, et al. **Arch Anat Microsc Morphol Exp** 1986–87;75(2):127–34

Protein kinase C and meiotic maturation of surf clam oocytes. Dubé F, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):1072–6

Calcium-dependent phosphorylation of the amphibian oocyte plasma membrane: an early event in initiating the meiotic divisions. Kostellow AB, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):863–9

Gene conversion, recombination nodules, and the initiation of meiotic synapsis. Carpenter AT. **Bioessays** 1987 May; 6(5):232–6

Germinal vesicle migration and dissolution in Rana pipiens oocytes: effect of steroids and microtubule poisons. Lessman CA. **Cell Differ** 1987 Apr;20(4):239–51

Chromosome segregation at meiosis I in female T(2;4)1Gö/+ mice: no evidence for a decreased crossover frequency with maternal age. Beermann F, et al. **Chromosoma** 1987; 95(1):1–7

Synaptonemal complexes and chromosome chains in the rodent Ellobius talpinus heterozygous for ten Robertsonian translocations. Bogdanov YuF, et al. **Chromosoma** 1986; 94(2):94–102

Arrangements of kinetochores in mouse cells during meiosis and spermiogenesis. Brinkley BR, et al. **Chromosoma** 1986; 94(4):309–17

Regions of active chromatin conformation in 'inactive' male meiotic sex chromosomes of the mouse. Richler C, et al. **Chromosoma** 1987;95(3):167–70

Lack of evidence that the XqYq pairing tips at meiosis in the mouse show hypersensitivity to DNAse I. Separovic ER, et al. **Chromosoma** 1987;95(4):290–4

Correlation of pachytene chromomeres and metaphase bands of human chromosomes, and distinctive properties of telomeric regions. Ambros PF, et al. **Cytogenet Cell Genet** 1987;44(4):223–8

A new type of nonhomologous synapsis in T(X;4)1R1 translocation male mice. Ashley T, et al. **Cytogenet Cell Genet** 1986;43(3–4):194–200

DNase I hypersensitive sites along the XY bivalent at meiosis in man include the XpYp pairing region. Chandley AC, et al. **Cytogenet Cell Genet** 1987;44(1):22–31

Meiotic association between the XY chromosomes and the autosomal quadrivalent of a reciprocal translocation in two infertile men, 46,XY,t(19;22) and 46,XY,t(17;21). Gabriel-Robez O, et al. **Cytogenet Cell Genet** 1986; 43(3–4):154–60

Random acrocentric bivalent associations in human pachytene spermatocytes. Molecular implications in the occurrence of Robertsonian translocations. Guichaoua MR, et al. **Cytogenet Cell Genet** 1986;42(4):191–7

Recombination nodules in the oocytes of the chicken, Gallus domesticus. Rahn MI, et al. **Cytogenet Cell Genet** 1986; 43(3–4):187–93

Mammalian sex chromosomes. II. Pairing and alignment of the X and Y chromosomes of the pygmy mouse, Mus dunni. Raman R, et al. **Cytogenet Cell Genet** 1987;45(1):38–43

Synaptonemal complexes in Gerbillidae: probable role of intercalated heterochromatin in gonosome-autosome translocations. Ratomponirina C, et al. **Cytogenet Cell Genet** 1986;43(3–4):161–7

Under what circumstances is the human XY bivalent tangled? A note on chromosomally-derived sterility. Rosenmann A, et al. **Cytogenet Cell Genet** 1987;45(1):58–61

The nature of the 1;29 translocation in cattle as revealed by

synaptonemal complex analysis using electron microscopy. Switoński M, et al. **Cytogenet Cell Genet** 1987; 44(2-3):103-11

Cytoplasmic reorganization during the resumption of meiosis in cultured preovulatory rat oocytes. Albertini DF. **Dev Biol** 1987 Mar;120(1):121-31

Induction of maturation in small Xenopus laevis oocytes. Taylor MA, et al. **Dev Biol** 1987 May;121(1):111-8

Immunostaining of spindle components in tipulid spermatocytes using a serum against pericentriolar material. Bastmeyer M, et al. **Eur J Cell Biol** 1986 Dec;42(2):305-10

Identification of two major components of the lateral elements of synaptonemal complexes of the rat. Heyting C, et al. **Eur J Cell Biol** 1987 Feb;43(1):148-54

Inheritance of a meiosis I error expressed in mouse oocytes and modulated by a maternal factor. Beermann F, et al. **Genet Res** 1987 Jun;49(3):239-43

Electron microscopic investigations of synaptonemal complexes in an infertile human male carrier of a pericentric inversion inv(1)(p32q42). Regular loop formation but defective synapsis including a possible interchromosomal effect. Batanian J, et al. **Hum Genet** 1987 May;76(1):81-9

Meiotic nondisjunction in oocytes from aged Djungarian hamsters correlates with an alteration in meiosis rate but not in univalent formation. Hummler E, et al. **Hum Genet** 1987 Aug;76(4):357-64

Nucleolus, nucleolar chromosomes, and nucleolus-associated chromatin from early diplotene to dictyotene in the human oocyte. Vagner-Capodano AM, et al. **Hum Genet** 1987 Feb; 75(2):140-6

Spermatogenesis and meiotic chromosomal behaviour in aged men. Mićić M, et al. **Hum Reprod** 1987 Apr;2(3):197-9

Meiotic chromosome studies and synaptonemal complex analyses by light and electron microscopy in 47 infertile or sterile males. Navarro J, et al. **Hum Reprod** 1986 Dec; 1(8):523-7

The influence of cooling on the organization of the meiotic spindle of the mouse oocyte. Pickering SJ, et al. **Hum Reprod** 1987 Apr;2(3):207-16

Study of synaptonemal complexes in human semen: results in the first 26 consecutive cases. Vidal F, et al. **Hum Reprod** 1986 Feb;1(2):121-3

Biochemical transmitters regulating the arrest and resumption of meiosis in oocytes. Sato E, et al. **Int Rev Cytol** 1987; 106:1-33 (207 ref.)

Identification of a meiotic prophase-specific nuclear matrix protein in the rat. Behal A, et al. **J Biol Chem** 1987 Aug 5;262(22):10898-902

Synaptonemal complex antigen location and conservation. Moens PB, et al. **J Cell Biol** 1987 Jul;105(1):93-103

The synaptonemal complexes of Caenorhabditis elegans: pachytene karyotype analysis of hermaphrodites from the recessive him-5 and him-7 mutants. Goldstein P. **J Cell Sci** 1986 Jun;82:119-27

Effect of taxol on first and second meiotic spindle formation in oocytes of the surf clam, Spisula solidissima. Kuriyama R. **J Cell Sci** 1986 Aug;84:153-64

Stage-specific changes in protein phosphorylation accompanying meiotic maturation of mouse oocytes and fertilization of mouse eggs. Endo Y, et al. **J Exp Zool** 1986 Sep;239(3):401-9

"Semi-meiosis" as the first step in the evolution of meiosis. Maguire MP. **J Theor Biol** 1986 Jun 21;120(4):503-5

Progesterone induction of phospholipid methylation and arachidonic acid turnover during the first meiotic division in amphibian oocytes. Chien EJ, et al. **Life Sci** 1986 Oct 27;39(17):1501-8

Initiation of meiosis and sporulation in Saccharomyces cerevisiae does not require a decrease in cyclic AMP. Olempska-Beer Z, et al. **Mol Cell Biol** 1987 Jun;7(6):2141-7

Meiosis in Coprinus: characterization and activities of two forms of DNA polymerase during meiotic stages. Sakaguchi K, et al. **Mol Cell Biol** 1982 Jul;2(7):752-7

Müllerian inhibiting substance as oocyte meiosis inhibitor. Takahashi M, et al. **Mol Cell Endocrinol** 1986 Oct; 47(3):225-34

Cell biology. Cyclins in meiosis and mitosis [news] Murray AW. **Nature** 1987 Apr 9-15;326(6113):542-3

Evolution of homologous sequences on the human X and Y chromosomes, outside of the meiotic pairing segment. Bickmore WA, et al. **Nucleic Acids Res** 1987 Aug 11; 15(15):6261-71

Lampbrush chromosomes as seen in historical perspective. Callan HG. **Results Probl Cell Differ** 1987;14:5-26

Meiotic recombination in yeast: alteration by multiple heterozygosities. Borts RH, et al. **Science** 1987 Sep 18; 237(4821):1459-65

An alternative pathway for meiotic chromosome segregation in yeast. Dawson DS, et al. **Science** 1986 Nov 7; 234(4777):713-7

A quick enzyme squash technique for detailed studies on female meiosis in Solanum. Jongedijk E. **Stain Technol** 1987 May;62(3):135-41

[Meiosis in cattle, sheep, goats and swine in late prophase and metaphase] Lange R, et al. **Zentralbl Veterinarmed [A]** 1987 Feb;34(2):81-9 (Eng. Abstr.) **(Ger)**

[Meiosis in fowl and laboratory mammals in late prophase and metaphase stages] Lange R, et al. **Zentralbl Veterinarmed [A]** 1987 May;34(5):326-38 (Eng. Abstr.) **(Ger)**

[Lateral elements of the synaptonemal complex containing carbohydrate groups] Gorach GG, et al. **Dokl Akad Nauk SSSR** 1987;292(4):997-9 **(Rus)**

[The type of recombination in Drosophila melanogaster mei-9LI males induced by space flight factors] Aslanian MM, et al. **Genetika** 1987 Feb;23(2):283-6 (Eng. Abstr.) **(Rus)**

[Electron microscopic study of preleptotene-stage oocyte nuclei in the prophase of meiosis in the hen] Kalinina EI. **Tsitologiia** 1986 Oct;28(10):1061-8 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Vasoactive intestinal peptide stimulates meiosis of follicle-enclosed rat oocytes in vitro. Carlsson B, et al. **Acta Physiol Scand** 1987 Mar;129(3):437-9

Maintenance of meiotic arrest in isolated rat oocytes by the invasive adenylate cyclase of Bordetella pertussis. Aberdam E, et al. **Biol Reprod** 1987 Apr;36(3):530-5

The clam embryo protein cyclin A induces entry into M phase and the resumption of meiosis in Xenopus oocytes. Swenson KI, et al. **Cell** 1986 Dec 26;47(6):861-70

Adenosine potentiates the delaying effect of dbcAMP on meiosis resumption in denuded mouse oocytes. Petrungaro S, et al. **Cell Biol Int Rep** 1986 Dec;10(12):993

A possible role for Mg2+ ions in the induction of meiotic maturation of Xenopus oocyte. Bellé R, et al. **Cell Differ** 1986 Dec;19(4):253-61

The effect of hypoxanthine on mouse oocyte growth and development in vitro: maintenance of meiotic arrest and gonadotropin-induced oocyte maturation. Eppig JJ, et al. **Dev Biol** 1987 Feb;119(2):313-21

Alkaline phosphatase activity in the membrane of Xenopus laevis oocytes: effects of steroids, insulin, anu inhibitors during meiosis reinitiation. Le Goascogne C, et al. **Dev Biol** 1987 Feb;119(2):511-9

Vaginal spermicides and congenital disorders: study reassessed, not retracted [letter] Bracken MB. **JAMA** 1987 Jun 5;257(21):2919

Synaptonemal complex damage as a measure of chemical mutagen effects on mammalian germ cells. Allen JW, et al. **Mutat Res** 1987 Jan;190(1):19-24

RADIATION EFFECTS

Studies on radiation-induced chromosome aberrations in mouse spermatocytes. II. Dose-response relationships of chromosome aberrations induced at zygotene stage in mouse primary spermatocytes following fast neutron- and 60Co gamma-irradiations. Matsuda Y, et al. **Mutat Res** 1987 Feb;176(2):251-7

Studies on radiation-induced chromosome aberrations in mouse spermatocytes. I. Stage specificity and dose-response relationships of chromosome aberrations induced in mouse primary spermatocytes following X-irradiation. Matsuda Y, et al. **Mutat Res** 1987 Feb; 176(2):243-50

Meiotic non-disjunction induced by fission neutrons relative to X-rays observed in mouse secondary spermatocytes. II. Dose-effect relationships after treatment of pachytene cells. Pacchierotti F, et al. **Mutat Res** 1987 Feb;176(2):233-41

MEISSNER'S PLEXUS see **SUBMUCOUS PLEXUS**

MELANCHOLIA see **DEPRESSIVE DISORDER**

MELANCHOLIA, INVOLUTIONAL see **DEPRESSION, INVOLUTIONAL**

MELANINS

Staining properties of melanin and lipofuscin pigments [letter] Senba M. **Am J Clin Pathol** 1986 Oct;86(4):556-7

Involvement of reactive oxygen species in the oxidation of tyrosine and dopa to melanin and in skin tanning. Joshi PC, et al. **Biochem Biophys Res Commun** 1987 Jan 15; 142(1):265-74

Melanin-pigment in complex odontoma. Takeda Y, et al. **Int J Oral Maxillofac Surg** 1987 Apr;16(2):222-6

Subungual basal cell carcinoma presenting as longitudinal melanonychia. Rudolph RI. **J Am Acad Dermatol** 1987 Jan; 16(1 Pt 2):229-33

ANALYSIS

Ultrastructural aspects of melanization of hamster Ab amelanotic melanoma in primary cell culture. Bomirski A, et al. **Acta Derm Venereol (Stockh)** 1986;66(6):520-3

Cytochemical demonstration of neuromelanin in black pigmented adrenal nodules. Damron TA, et al. **Am J Clin Pathol** 1987 Mar;87(3):334-41

Interference of melanin in protein determination. Borovanský J, et al. **Anal Biochem** 1986 Dec;159(2):249-52

A teleost skin bioassay for melanotropic peptides. Castrucci AM, et al. **Gen Comp Endocrinol** 1987 Jun;66(3):374-80

Characterization of melanin concentrating hormone in teleost hypothalamus. Kawazoe I, et al. **Gen Comp Endocrinol** 1987 Mar;65(3):423-31

A study of heat and radiation response of a malignant, melanin-producing cell line derived from C3H 10T1/2 cells transformed in culture by radiation. Raaphorst GP, et al. **Int J Radiat Oncol Biol Phys** 1986 Dec;12(12):2151-5

Characterization of biopolymers by pyrolysis gas chromatography and multidimensional analysis. Application to synthetic melanins. Charman WN, et al. **J Chromatogr** 1987 Feb 13;388(2):389-96

Localization of melanin-concentrating hormone-like immunoreactivity in the brain and pituitary of the frog Rana ridibunda. Andersen AC, et al. **Peptides** 1986 Nov-Dec;7(6):941-51

[Histochemical identification of melanin] Krutsay M. **Morphol Igazsagugyi Orv Sz** 1986 Oct;26(4):304-6 (Eng. Abstr.) **(Hun)**

BIOSYNTHESIS

In situ melanin assay for MSH using mouse B16 melanoma cells in culture. Siegrist W, et al. **Anal Biochem** 1986 Nov 15;159(1):191-7

A kinetic study of the melanization pathway between L-tyrosine and dopachrome. Cabanes J, et al. **Biochim Biophys Acta** 1987 Feb 20;923(2):187-95

Biosynthetic and structural studies on pheomelanin. Chedekel MR, et al. **Biochim Biophys Acta** 1987 Apr 8;912(2):239-43

Effect of metal ions on the rearrangement of dopachrome. Palumbo A, et al. **Biochim Biophys Acta** 1987 Aug 13; 925(2):203-9

Melanogenesis in murine B16 cells exposed to Aeromonas hydrophila cytotoxic enterotoxin. Bunning VK, et al. **Can J Microbiol** 1986 Oct;32(10):814-9

Differentiation apparently repressed by the nucleus. Rapidly-induced pigmentation of enucleated melanoma cells. Dexter TJ, et al. **Exp Cell Res** 1987 Jan;168(1):255-64

Stimulation of follicular melanogenesis in the mouse by topical and injected melanotropins. Levine N, et al. **J Invest Dermatol** 1987 Sep;89(3):269-73

Topical application of a melanotropic peptide induces systemic follicular melanogenesis. Hadley ME, et al. **Life Sci** 1987 May 11;40(19):1889-95

Identification of two classes of Rhizobium phaseoli genes required for melanin synthesis, one of which is required for nitrogen fixation and activates the transcription of the other. Borthakur D, et al. **MGG** 1987 Apr;207(1):155-60

Stimulation of melanogenesis by cholecalciferol in cultured human melanocytes: a possible mechanism underlying pigmentation after ultraviolet irradiation. Tomita Y, et al. **Tohoku J Exp Med** 1986 Aug;149(4):451-2

[Hormone-sensitive stage in the development of retinal pigment epithelium in genotypically normal rats] Stroeva OG, et al. **Dokl Akad Nauk SSSR** 1987;292(5):1249-52 **(Rus)**

CHEMICAL SYNTHESIS

Structure-activity relationships of melanin-concentrating hormone. Kawazoe I, et al. **Int J Pept Protein Res** 1987 Jun;29(6):714-21

GENETICS

Test for linkage between the eumelanin restrictor (Db) and the eumelanin extension (MI) genes in the domestic fowl. Carefoot WC. **Br Poult Sci** 1987 Mar;28(1):69-73

Relative positions of the loci of the peacomb (P), eumelanin restrictor (Db), eumelanin extension (MI) and plumage pattern (Pg) genes of the domestic fowl. Carefoot WC. **Br Poult Sci** 1987 Jun;28(2):347-50

Electron spin resonance spectrometrical study of the melanins in the wool of some North European sheep in relation to their color inheritance. Vsevolodov EB, et al. **J Hered** 1987 Mar-Apr;78(2):120-2

METABOLISM

Lipofuscin and melanin content of the retinal pigment epithelium in a case of Sjögren-Larsson syndrome. Nilsson SE, et al. **Br J Ophthalmol** 1987 Mar;71(3):224-6

Coexistence of melanin-concentrating hormone (MCH) and alpha-melanocyte-stimulating hormone (alpha-MSH) in the preoptic nucleus of the frog brain. Andersen AC, et al. **Brain Res Bull** 1987 Feb;18(2):257-9

In vitro modulation of proliferation and melanization of S91 melanoma cells by prostaglandins. Abdel-Malek ZA, et al. **Cancer Res** 1987 Jun 15;47(12):3141-6

Relationship between melanin content and superoxide dismutase (SOD) activity in the liver of various species of animals. Sichel G, et al. **Cell Biochem Funct** 1987 Apr; 5(2):123-8

The relationship between lipofuscin and neuromelanin in some sites of the nervous system of the horse. Bianchi M, et al. **Exp Biol** 1986;46(2):89-99

Melanocytes, melanogenesis, and inflammation. Prunieras M. **Int J Dermatol** 1986 Dec;25(10):624-8 (21 ref.)

Structure-activity relationships of melanin-concentrating hormone. Kawazoe I, et al. **Int J Pept Protein Res** 1987 Jun;29(6):714-21

Affinity of ocular acid-insoluble melanin for drugs in vitro. Tsuchiya M, et al. **Invest Ophthalmol Vis Sci** 1987 May; 28(5):822-5

Microtubule polarity confers direction to pigment transport in chromatophores. McNiven MA, et al. **J Cell Biol** 1986 Oct;103(4):1547-55

Inhibition of melanization in human melanoma cells by a serotonin uptake inhibitor. McEwan M, et al. **J Invest Dermatol** 1987 Jul;89(1):82-6

Ultrastructure: effects of melanin pigment on target specificity using a pulsed dye laser (577 nm). Tong AK, et al. **J Invest Dermatol** 1987 Jun;88(6):747-52

Melanin-related metabolites as markers of the skin pigmentary system. Westerhof W, et al. **J Invest Dermatol** 1987 Jul;89(1):78–81

Characterization of the binding of N-methyl-4-phenylpyridine, the toxic metabolite of the parkinsonian neurotoxin N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine, to neuromelanin. D'Amato RJ, et al. **J Neurochem** 1987 Feb; 48(2):653–8

Neuromelanogenic and cytotoxic properties of canine brainstem peroxidase. Grisham MB, et al. **J Neurochem** 1987 Mar;48(3):876–82

Mast cells containing melanin granules in sublingual keratosis. Tawfik AM, et al. **J Oral Pathol** 1987 Mar;16(3):108–11

Neuromelanin: a role in MPTP-induced neurotoxicity. D'Amato RJ, et al. **Life Sci** 1987 Feb 23;40(8):705–12

Interactions of the 1-methyl-4-phenyl-2,3-dihydropyridinium species with synthetic dopamine-melanin. Wu EY, et al. **Life Sci** 1986 Nov 3;39(18):1695–700

Evidence for neuromelanin involvement in MPTP-induced neurotoxicity. D'Amato RJ, et al. **Nature** 1987 May 28–Jun 3;327(6120):324–6

Neuromelanic pigment in substantia nigra neurons of rats and dogs. DeMattei M, et al. **Neurosci Lett** 1986 Dec 3; 72(1):37–42

Unrelated peptide immunoreactivities coexist in neurons of the rat lateral dorsal hypothalamus: human growth hormone-releasing factor1–37–, salmon melanin-concentrating hormone– and alpha-melanotropin-like substances. Fellmann D, et al. **Neurosci Lett** 1987 Mar 9;74(3):275–80

Coexistence of immunoreactivity for melanin-concentrating hormone and alpha-melanocyte-stimulating hormone in the hypothalamus of the rat. Naito N, et al. **Neurosci Lett** 1986 Sep 25;70(1):81–5

Role of reactive oxygen species and free radicals from melanins in photoinduced cutaneous inflammations. Ranadive NS, et al. **Pathol Immunopathol Res** 1986; 5(2):118–39 (154 ref.)

Pharmacological treatment of tinnitus with special reference to the role of melanin. Lyttkens L. **Scand Audiol [Suppl]** 1986;26:27–31 (45 ref.)

Melanin affinity of xenobiotics. Lindquist NG. **Ups J Med Sci** 1986;91(3):283–8

[Melanocytes of the semilunar planes of the internal ear in the guinea pig. Histochemical and ultrastructural research] Mazzoni M, et al. **Arch Ital Anat Embriol** 1986 Jan–Apr; 91(1):43–61 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Studies on biological activities of melanin from marine animals. V. Anti-inflammatory activity of low-molecular-weight melanoprotein from squid (Fr. SM II). Mimura T, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar; 35(3):1144–50

Effects of chronic administration of melanin-concentrating hormone on corticotrophin, melanotrophin, and pigmentation in the trout. Baker BI, et al. **Gen Comp Endocrinol** 1986 Jul;63(1):62–9

Melanin concentrating hormone inhibits the release of alpha MSH from teleost pituitary glands. Barber LD, et al. **Gen Comp Endocrinol** 1987 Jan;65(1):79–86

Action of melanin-concentrating hormone (MCH) on teleost chromatophores. Oshima N, et al. **Gen Comp Endocrinol** 1986 Dec;64(3):381–8

Inhibitory action of crustacean red pigment concentrating hormone on Mytilus muscles. Saitoh H, et al. **Hiroshima J Med Sci** 1986 Dec;35(4):389–95

Effects of pindolol, befunolol and melanin treated with adrenergic beta-blocking agents on lysosomal enzymes in bovine ciliary body and iris in vitro. Hayasaka S, et al. **Jpn J Ophthalmol** 1986;30(2):185–91

Melanin concentrating hormone exhibits both MSH and MCH activities on individual melanophores. Castrucci AM, et al. **Life Sci** 1987 May 11;40(19):1845–51

[Effect of enomelanin on erythrocyte hemolysis induced by free-radical reactions and other factors] Kovalev IE, et al. **Farmakol Toksikol** 1986 Jul–Aug;49(4):89–91 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Pathogenicity and virulence of wild-type and melanin-deficient Wangiella dermatitidis. Dixon DM, et al. **J Med Vet Mycol** 1987 Apr;25(2):97–106

Current concepts in the melanotropic peptides. Proceedings of a satellite symposium to the XIIth International Pigment Cell Conference. Tucson, Arizona, October 10 and 11, 1986. **Life Sci** 1987 May 11;40(19):1845–945

Neuromelanin: a role in MPTP-induced neurotoxicity. D'Amato RJ, et al. **Life Sci** 1987 Feb 23;40(8):705–12

Differential structural requirements for the MSH and MCH activities of melanin concentrating hormone. Hadley ME, et al. **Life Sci** 1987 Mar 23;40(12):1139–45

[Shielding eye pigments—melanins and ommochromes—photo-oxidation inhibitors] Sakina NL, et al. **Dokl Akad Nauk SSSR** 1986;291(4):994–7 **(Rus)**

RADIATION EFFECTS

Photoinduced generation of hydrogen peroxide and hydroxyl radicals in melanins. Korytowski W, et al. **Photochem Photobiol** 1987 Feb;45(2):185–90

Photolysis of pheomelanin precursors: an ESR-spin trapping study. Pilas B, et al. **Photochem Photobiol** 1986 Dec; 44(6):689–96

URINE

[HPLC detection of pathologic metabolites of melanin and melatonin metabolism in the urine in malignant melanoma of the choroid] Dieckhues B. **Klin Monatsbl Augenheilkd** 1986 Jul;189(1):34–5 (Eng. Abstr.) **(Ger)**

MELANOCYTE-STIMULATING HORM RELEASE INHIBITING HORMONE see **MSH RELEASE INHIBITING HORMONE**

MELANOCYTE-STIMULATING HORMONES see **MSH**

MELANOCYTES

ANALYSIS

Lipid composition in melanosomes of tumor– and chorioidea cells. Vedralová E, et al. **Arch Geschwulstforsch** 1986; 56(5):329–34

CLASSIFICATION

Intraepithelial melanocytic neoplasia: a classification by pattern analysis of proliferations of atypical melanocytes [letter] Frankel KA. **Am J Dermatopathol** 1987 Feb; 9(1):80–1

[Intraepidermal melanocytic proliferation. A practical guide to the classification of ambiguous melanotic skin lesions and of possible precursors of malignant melanomas] Prade M, et al. **Bull Cancer (Paris)** 1986;73(5):504–12 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Isolation of melanosomes from keratinous structures: current state of the art. Borovanský J, et al. **Arch Dermatol Res** 1986;279(1):54–8

Growth stimulation of human melanocytes: identification and characterization of melanoma-derived melanocyte growth factor (M-McGF). Ogata S, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1204–11

Discrimination between benign and malignant cells of melanocytic lineage by two novel antigens, a glycoprotein with a molecular weight of 113,000 and a protein with a molecular weight of 76,000. Lehmann JM, et al. **Cancer Res** 1987 Feb 1;47(3):841–5

Melanocyte-stimulating hormone affects melanogenic differentiation of quail neural crest cells in vitro. Satoh M, et al. **Dev Biol** 1987 Feb;119(2):579–86

Normal murine melanocytes in culture. Tamura A, et al. **In Vitro Cell Dev Biol** 1987 Jul;23(7):519–22

Relative responsiveness of cultured human epidermal melanocytes and melanoma cells to selected mitogens. Gordon PR, et al. **J Invest Dermatol** 1986 Dec;87(6):723–7

Stimulatory effect of prostaglandin E2 on the configuration of normal human melanocytes in vitro. Tomita Y, et al. **J Invest Dermatol** 1987 Sep;89(3):299–301

Structure and function of the melano-macrophage centres of the goldfish Carassius auratus. Herráez MP, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):117–26

DRUG EFFECTS

Azelaic acid vs. placebo: effects on normal human keratinocytes and melanocytes. Electron microscopic evaluation after long-term application in vivo. Mayer-da Silva A, et al. **Acta Derm Venereol (Stockh)** 1987; 67(2):116–22

Differential effects of 5-fluorouracil on human skin melanocytes and malignant melanoma cells in vitro. Tsuji T, et al. **Acta Derm Venereol (Stockh)** 1986;66(6):474–8

Mechanism of selective toxicity of 4-S-cysteinylphenol and 4-S-cysteaminylphenol to melanocytes. Ito S, et al. **Biochem Pharmacol** 1987 Jun 15;36(12):2007–11

Selective cytotoxicity of 4-S-cysteaminylphenol on follicular melanocytes of the black mouse: rational basis for its application to melanoma chemotherapy. Ito Y, et al. **Cancer Res** 1987 Jun 15;47(12):3278–84

bFGF is the putative natural growth factor for human melanocytes. Halaban R, et al. **In Vitro Cell Dev Biol** 1987 Jan;23(1):47–52

Gossypol effects on cultured normal and malignant melanocytes. Hu F, et al. **In Vitro Cell Dev Biol** 1986 Oct; 22(10):583–8

Depigmentation of black guinea pig skin by topical application of cysteaminylphenol, cysteinylphenol, and related compounds. Ito Y, et al. **J Invest Dermatol** 1987 Jan;88(1):77–82

Topical application of a melanotropic peptide induces systemic follicular melanogenesis. Hadley ME, et al. **Life Sci** 1987 May 11;40(19):1889–95

Stimulation of melanogenesis by cholecalciferol in cultured human melanocytes: a possible mechanism underlying pigmentation after ultraviolet irradiation. Tomita Y, et al. **Tohoku J Exp Med** 1986 Aug;149(4):451–2

ENZYMOLOGY

Immunohistochemical study of S-100 protein and neuron specific enolase (NSE) in melanocytes and the related tumors. Hachisuka H, et al. **Acta Histochem (Jena)** 1986; 80(2):215–23

Melanocyte-stimulating hormone and the regulation of tyrosinase activity in hair follicular melanocytes of the mouse. Burchill SA, et al. **J Endocrinol** 1986 Nov; 111(2):225–32

Dopaminergic inhibition of tyrosinase activity in hair follicular melanocytes of the mouse. Burchill SA, et al. **J Endocrinol** 1986 Nov;111(2):233–7

Genetic controls over melanocyte differentiation: interaction of agouti-locus and albino-locus genetic defects. Lamoreux ML, et al. **J Exp Zool** 1987 Jul;243(1):71–9

Tyrosinase and acid phosphatase activities in melanocytes from avian albinos. Boissy RE, et al. **J Invest Dermatol** 1987 Mar;88(3):292–300

Mammalian monophenol monooxygenase (tyrosinase): purification, properties, and reactions catalyzed. Hearing VJ Jr. **Methods Enzymol** 1987;142:154–65

IMMUNOLOGY

Development of MoAb HMSA-2 for melanosomes of human melanoma and its application to immunohistopathologic diagnosis of neoplastic melanocytes. Maeda K, et al. **Cancer** 1987 Feb 1;59(3):415–23

Cell surface antigens of melanocytes and melanoma. Albino AP, et al. **Cancer Surv** 1985;4(1):185–211

Class II histocompatibility antigen expression in human melanocytes transformed by Harvey murine sarcoma virus (Ha-MSV) and Kirsten MSV retroviruses. Albino AP, et al. **J Exp Med** 1986 Nov 1;164(5):1710–22

Immunochemical and functional analysis of HLA class II antigens induced by recombinant immune interferon on normal epidermal melanocytes. Tsujisaki M, et al. **J Immunol** 1987 Feb 15;138(4):1310–6

[Detection of antibodies to melanoma cells in vitiligo by 125I-labeled SpA antibody binding assay] Mori N, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Jul;96(8):835–8 **(Jpn)**

METABOLISM

Glycosylation characteristics of pigmentation-associated antigen (GP75): an intracellular glycoprotein of human melanocytes and malignant melanomas. Roux L, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):87–96

Expression of melanoma-associated antigens in rapidly dividing human melanocytes in culture. Herlyn M, et al. **Cancer Res** 1987 Jun 15;47(12):3057–61

PATHOLOGY

Macromelanosomes in the early diagnosis of neurofibromatosis. Slater C, et al. **Am J Dermatopathol** 1986 Aug;8(4):284–9

Morphology of melanocytes in hair bulbs and eyes of vitiligo mice. Boissy RE, et al. **Am J Pathol** 1987 May;127(2):380–8

Pilomatricoma with melanocytic hyperplasia: an uncommon occurrence and a diagnostic pitfall [letter] Zaim MT. **Arch Dermatol** 1987 Jul;123(7):865–6

Melanocytic colonization of tumours [letter] Burnett RA. **Histopathology** 1986 Oct;10(10):1101

Multiple melanomas associated with diffuse melanocytic dysplasia. Robertson I, et al. **Histopathology** 1987 Apr; 11(4):395–402

Pigment change and melanocyte distribution in guinea pig skin after cutaneous freeze injury. Burge SM, et al. **J Invest Dermatol** 1987 Feb;88(2):136–40

A computed image analyzing system for quantitation of melanocyte morphology in café-au-lait macules of neurofibromatosis. Ishida O, et al. **J Invest Dermatol** 1987 Mar;88(3):287–91

Periocular congenital melanocytic nevi. Margo CE, et al. **J Pediatr Ophthalmol Strabismus** 1986 Sep–Oct;23(5):222–6

Biology of tumor progression in human melanocytes. Herlyn M, et al. **Lab Invest** 1987 May;56(5):461–74 (135 ref.)

Diffuse choroidal melanocytoma in a child. A lesion extending the spectrum of melanocytic hamartomas. Haas BD, et al. **Ophthalmology** 1986 Dec;93(12):1632–8

PHYSIOLOGY

The movement of melanosomes in melanophore fragments obtained by laser microbeam irradiation. Rodionov VI, et al. **Cell Biol Int Rep** 1987 Aug;11(8):565–72

A line of non-tumorigenic mouse melanocytes, syngeneic with the B16 melanoma and requiring a tumour promoter for growth. Bennett DC, et al. **Int J Cancer** 1987 Mar 15; 39(3):414–8

Melanocytes, melanogenesis, and inflammation. Prunieras M. **Int J Dermatol** 1986 Dec;25(10):624–8 (21 ref.)

Role of protein kinase C in the pigment cell of the lizard (Anolis carolinensis). Lucas AM, et al. **J Endocrinol** 1987 Feb;112(2):283–7

Transfer of melanosomes in a skin equivalent model in vitro. Topol BM, et al. **J Invest Dermatol** 1986 Nov;87(5):642–7

[A mass control of choroidal circulation by the melanocyte network] Matsusaka T. **Nippon Ganka Gakkai Zasshi** 1986 Oct;90(10):1250–4 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

In vitro growth characteristics of melanocytes obtained from

adult normal and vitiligo subjects. Puri N, et al. **J Invest Dermatol** 1987 Apr;88(4):434–8

RADIATION EFFECTS

Melanosomes are a primary target of Q-switched ruby laser irradiation in guinea pig skin. Polla LL, et al. **J Invest Dermatol** 1987 Sep;89(3):281–6

A comparison of the melanocyte response to narrow band UVA and UVB exposure in vivo. Rosen CF, et al. **J Invest Dermatol** 1987 Jun;88(6):774–9

Sensitivity of mouse Skh:HR-2 to ultraviolet radiation: melanocyte inactivation. Warren R, et al. **J Invest Dermatol** 1987 Mar;88(3):266–70

Photochemistry and photobiology of melanogenic metabolites: formation of free radicals. Koch WH, et al. **Photochem Photobiol** 1987 Aug;46(2):229–38

Effects of exposure to ultraviolet light on epidermal Langerhans cells and melanocytes in Australians of aboriginal, Asian and Celtic descent. Scheibner A, et al. **Photodermatol** 1987 Feb;4(1):5–13

[Movement of melanosomes in melanocytes fragmented by laser irradiation] Vardanian AG, et al. **Dokl Akad Nauk SSSR** 1987 Mar–Apr;293(1):215–9 **(Rus)**

TRANSPLANTATION

Transplantation of human melanocytes. Lerner AB, et al. **J Invest Dermatol** 1987 Sep;89(3):219–24

ULTRASTRUCTURE

Ultrastructural aspects of melanization of hamster Ab amelanotic melanoma in primary cell culture. Bomirski A, et al. **Acta Derm Venereol (Stockh)** 1986;66(6):520–3

Human melanocytic naevi. I. Electron microscopy and 3-dimensional computer reconstruction of naevi and basement membrane zone from ultrathin serial sections. Lea PJ, et al. **Acta Derm Venereol [Suppl] (Stockh)** 1986; 127:5–15

Human melanocytic naevi. II. Depth of dermal protrusion: comparative measurements of the basement membrane zone and diameters of intracellular microfibrils using a microcomputer analysis system. Lea PJ, et al. **Acta Derm Venereol [Suppl] (Stockh)** 1986;127:17–21

Morphometric and ultrastructural analyses of melanocytes, nevus cells, and melanoma cells. Stolz W, et al. **Arch Dermatol Res** 1987;279(3):167–72

Human choroidal melanocytes in tissue culture. Waldrep JC, et al. **Curr Eye Res** 1986 Aug;5(8):587–94

Melanosome macrocomplex: an ultrastructural component of patterned and nonpatterned seborrheic keratoses. Shelley WB, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):124–8

Ultrastructural study of macromelanosomes in a unique case of spindle and epithelioid cell nevus. Sakamoto F, et al. **J Cutan Pathol** 1987 Feb;14(1):59–64

Stereological method for unfolding size-shape distribution of spheroidal organelles from electron micrographs. Miyamoto K, et al. **J Electron Microsc (Tokyo)** 1987; 36(3):90–7

Large melanosome complexes in the human gingival epithelium. Hedin CA, et al. **J Periodont Res** 1987 Mar; 22(2):108–13

Age-related changes of iris stromal melanocytes in human eyes. Sugita A, et al. **Jpn J Ophthalmol** 1986;30(2):174–9

Ultrastructural diagnosis of amelanotic malignant melanoma: aberrant melanosomes, myelin figures or lysosomes? Erlandson RA. **Ultrastruct Pathol** 1987;11(2–3):191–208

[Melanocytes of the semilunar planes of the internal ear in the guinea pig. Histochemical and ultrastructural research] Mazzoni M, et al. **Arch Ital Anat Embriol** 1986 Jan–Apr; 91(1):43–61 (Eng. Abstr.) **(Ita)**

[Electron microscopic study of melanocytes and melanosomes of human inner ear] Ishida O, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Jul;96(8):829–34 **(Jpn)**

[Ultrastructural and cytochemical studies of benign juvenile melanomas. I: Relationship between the clinical color of tumors and the melanosome] Sakamoto F. **Nippon Hifuka Gakkai Zasshi** 1986 Jun;96(7):685–97 **(Jpn)**

MELANOMA

The New Mexico Melanoma Registry. A model of a statewide cooperative program. Black WC, et al. **Am J Dermatopathol** 1987 Feb;9(1):10–4

Keeping tabs on malignant melanoma [editorial] Maize JC. **Am J Dermatopathol** 1987 Feb;9(1):1

Malignant melanoma of the skin. Armstrong BK, et al. **Bull WHO** 1987;65(2):245–52 (47 ref.)

Synergism of recombinant human interferon gamma with liposome-encapsulated muramyl tripeptide in activation of the tumoricidal properties of human monocytes. Sone S, et al. **Int J Cancer** 1986 Oct 15;38(4):495–500

Cutaneous malignant melanoma. Kopf AW, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):610–3

Anal melanoma: case report and review. Friedman JB, et al. **Mt Sinai J Med (NY)** 1986 Jun;53(6):494–6

Primary bronchopulmonary malignant melanoma. Case report. Santos F, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(2):187–9

[Malignant melanoma in children] Hauben D, et al. **Harefuah** 1987 Jan 15;112(2):90–2 **(Heb)**

[Malignant melanoma (editorial)] Schachter J, et al. **Harefuah** 1986 Jul;111(1–2):48–9 **(Heb)**

[Malignant melanoma of the nasopharyngeal cavity: case report] Perrino A, et al. **Acta Otorhinolaryngol Ital** 1986 Nov–Dec;6(6):641–6 (Eng. Abstr.) **(Ita)**

[Primary-multiple malignant tumors and their metastasis] Poluéktov IuA, et al. **Klin Khir** 1987;(5):45–6 **(Rus)**

[Malignant anorectal melanoma. Presentation of 6 cases and review of the literature] Gómez Iglesias S, et al. **Rev Esp Enferm Apar Dig** 1987 Jul;72(1):19–24 (Eng. Abstr.) **(Spa)**

[Intestinal melanomas. Current status] Ortega Beviá JM, et al. **Rev Esp Enferm Apar Dig** 1987 Apr;71(4):343–8 (Eng. Abstr.) **(Spa)**

ANALYSIS

Immunohistochemical study of S-100 protein and neuron specific enolase (NSE) in melanocytes and the related tumors. Hachisuka H, et al. **Acta Histochem (Jena)** 1986; 80(2):215–23

Lipid composition in melanosomes of tumor- and chorioidea cells. Vedralová E, et al. **Arch Geschwulstforsch** 1986; 56(5):329–34

S100 protein immunoreactivity in poorly differentiated carcinomas. Immunohistochemical comparison with malignant melanoma. Drier JK, et al. **Arch Pathol Lab Med** 1987 May;111(5):447–52

Identification of NGF receptor in chromatin of melanoma cells using monoclonal antibody to cell surface NGF receptor. Rakowicz-Szulczynska EM, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):174–80

Characterization of the 31P nuclear magnetic resonance spectrum from human melanoma tumors implanted in nude mice. Corbett RJ, et al. **Cancer Res** 1987 Oct 1; 47(19):5065–9

Cancer procoagulant in human tumor cells: evidence from melanoma patients. Donati MB, et al. **Cancer Res** 1986 Dec; 46(12 Pt 1):6471–4

Analysis of receptors, cell surface antigens, and proteins in human melanoma cell lines resistant to human recombinant beta- or gamma-interferon. Gomi K, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6211–6

Gangliosides of human melanoma: altered expression in vivo and in vitro. Tsuchida T, et al. **Cancer Res** 1987 Mar 1; 47(5):1278–81

Production of multilineage hemopoietic growth-stimulating activities by a human melanoma cell line. Kraft AS, et al. **Exp Hematol** 1986 Oct;14(9):867–72

Enzyme histochemistry of human melanomas and pigmented naevi with special reference to alpha-D-mannosidase activity. Elleder M, et al. **Histochem J** 1986 Sep; 18(9):472–80

The substitution of glucose-antiglucose oxidase complex (GAG) for peroxidase-antiperoxidase (PAP) in immunohistochemical studies of skin. Elias JM, et al. **Int J Dermatol** 1987 Jul–Aug;26(6):362–5

Estrogen receptor in malignant melanoma. Walker MJ, et al. **J Clin Oncol** 1987 Aug;5(8):1256–61

Purification and amino terminal sequencing of human melanoma nerve growth factor receptor. Marano N, et al. **J Neurochem** 1987 Jan;48(1):225–32

Gangliosides of human melanoma. Tsuchida T, et al. **JNCI** 1987 Jan;78(1):45–54

Membrane lectins in human malignant melanoma. Gabius HJ, et al. **Naturwissenschaften** 1987 Jan;74(1):37–8

[Immunohistochemical demonstration of S 100 protein in melanin-producing tumors after bleaching for melanin] Kaneoka A, et al. **Rinsho Byori** 1987 Mar;35(3):316–8 **(Jpn)**

BLOOD

Corynebacterium parvum, but not BCG, induces elevations in plasma proteinase activity similar to those observed in tumor-bearing mice. Hart DA. **Haemostasis** 1987; 17(1–2):79–88

Blood groups and malignant melanoma. Karakousis CP, et al. **J Surg Oncol** 1986 Sep;33(1):24–6

BLOOD SUPPLY

Inferences from beading of a retinal vein draining a choroidal melanoma. Johnson RN, et al. **Br J Ophthalmol** 1986 Oct; 70(10):764–5

Neovascularization in human cutaneous melanoma: a quantitative morphological and Doppler ultrasound study. Srivastava A, et al. **Eur J Cancer Clin Oncol** 1986 Oct; 22(10):1205–9

CHEMICALLY INDUCED

Evaluation of premalignant and malignant lesions during the induction of mouse melanomas. Berkelhammer J, et al. **Cancer Res** 1987 Mar 1;47(5):1251–4

Benzoyl peroxide promotes the formation of melanotic tumors in the skin of 7,12-dimethylbenz[a]anthracene-initiated Syrian golden hamsters. Schweizer J, et al. **Carcinogenesis** 1987 Mar; 8(3):479–82

Nonmelanoma skin tumors in long-term photochemotherapy treatment of psoriasis. An 8-year follow-up study. Tanew A, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):960–5

CLASSIFICATION

Intraepithelial melanocytic neoplasia: a classification by pattern analysis of proliferations of atypical melanocytes [letter] Frankel KA. **Am J Dermatopathol** 1987 Feb; 9(1):80–1

Etiological differences between subtypes of cutaneous malignant melanoma: Western Canada Melanoma Study. Elwood JM, et al. **JNCI** 1987 Jan;78(1):37–44

[Intraepidermal melanocytic proliferation. A practical guide to the classification of ambiguous melanotic skin lesions and of possible precursors of malignant melanomas] Prade M, et al. **Bull Cancer (Paris)** 1986;73(5):504–12 (Eng. Abstr.) **(Fre)**

[Diagnostic characteristics of malignant melanomas and pigmented nevi with a tendency to develop into melanomas] Hundeiker M. **Dtsch Med Wochenschr** 1987 Apr 3;112(14):551–2 **(Ger)**

COMPLICATIONS

A case of malignant melanoma in AIDS-related complex [letter] Krause W, et al. **Arch Dermatol** 1987 Jul; 123(7):867–8

Hypopigmentation, vitiligo, and melanoma. New data, more enigmas. Nordlund JJ. **Arch Dermatol** 1987 Aug; 123(8):1005–8

Neovascular glaucoma associated with an iris melanoma. A clinicopathologic report. Shields MB, et al. **Arch Ophthalmol** 1987 May;105(5):672–4

No association between malignant melanoma and acne or psoriasis: results from the Western Canada Melanoma Study. Elwood JM, et al. **Br J Dermatol** 1986 Nov; 115(5):573–6

Malignant melanoma in multiple endocrine neoplasia. Gibson RK, et al. **Cancer** 1986 Oct 15;58(8):1779–80

Humoral hypercalcaemia of malignancy: report of two further patients with biochemical studies on tumour extracts. Seshadri MS, et al. **Clin Sci** 1986 Sep;71(3):261–9

Ocular abnormalities associated with cutaneous melanoma and vitiligolike leukoderma. Chang MA, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(6):529–35

Malignant melanoma and squamous cell carcinoma in a patient treated for severe pustular psoriasis. Friedman KJ, et al. **J Dermatol Surg Oncol** 1986 Dec;12(12):1290–4

Malignant melanoma in pregnancy. Fogarty PP. **Ulster Med J** 1987 Apr;56(1):72–3

[Unrecognized choroidal melanoma: surgical treatment of secondary detachment] Haut J, et al. **Bull Soc Ophtalmol Fr** 1985 Nov;85(11):1187–9 **(Fre)**

[A case of generalized melanosis due to wildly-metastatic malignant melanoma] Yamazaki S, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Mar;97(4):453–61 **(Jpn)**

CONGENITAL

Congenital melanoma with multiple prenatal metastases. Schneiderman H, et al. **Cancer** 1987 Sep 15;60(6):1371–7

Fetal malignant melanoma: ultrasound presentation and review of the literature. Campbell WA, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):434–9

Congenital malignant melanoma. Prose NS, et al. **Pediatrics** 1987 Jun;79(6):967–70

[Congenital nevus cell nevi as precursors of melanomas of the skin] Schnyder UW, et al. **Monatsschr Kinderheilkd** 1987 May;135(5):259–64 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Detection of malignant melanoma of the uterine cervix from Papanicolaou smears. A case report. Yu HC, et al. **Acta Cytol (Baltimore)** 1987 Jan–Feb;31(1):73–6

Differential effects of 5-fluorouracil on human skin melanocytes and malignant melanoma cells in vitro. Tsuji T, et al. **Acta Derm Venereol (Stockh)** 1986;66(6):474–8

The differential diagnosis of intraepidermal malignant lesions using immunohistochemistry. Guldhammer B, et al. **Am J Dermatopathol** 1986 Aug;8(4):295–301

Nuclear magnetic resonance imaging of intraocular tumors. de Keizer RJ, et al. **Am J Ophthalmol** 1986 Oct 15; 102(4):438–41

Anti-alpha 1-antichymotrypsin staining of 194 sarcomas, 38 carcinomas, and 17 malignant melanomas. Its lack of specificity as a tumour marker. Leader M, et al. **Am J Surg Pathol** 1987 Feb;11(2):133–9 (31 ref.)

Malignant melanoma primary in lymph node. The case of the missing link. Shenoy BV, et al. **Am J Surg Pathol** 1987 Feb;11(2):140–6

Sarcoid granuloma simulating amelanotic melanoma of the iris. Cohen SB, et al. **Ann Ophthalmol** 1986 Dec; 18(12):343–5

Magnetic resonance imaging in choroidal tumors. Haik BG, et al. **Ann Ophthalmol** 1987 Jun;19(6):218–22, 238

Frequency of occult residual melanoma after excision of a clinically positive regional lymph node. Kane M, et al. **Ann Surg** 1987 Jan;205(1):88–9

Magnetic resonance imaging of uveal melanomas. Chambers RB, et al. **Arch Ophthalmol** 1987 Jul;105(7):917–21

Desmoplastic malignant melanoma masquerading as chalazion. Roper JP, et al. **Br J Ophthalmol** 1986 Dec; 70(12):907–10

Doppler ultrasound as an adjunct to the differential diagnosis of pigmented skin lesions. Srivastava A, et al.

Br J Surg 1986 Oct;73(10):790–2
Waiting time for urgent appointments [letter] Golding J. **Br Med J** 1987 Feb 7;294(6568):370
Ultrasonography of pathologically proved choroidal melanoma with a high-resolution small-parts scanner. Lin DT, et al. **Can J Ophthalmol** 1987 Apr;22(3):161–4
Clinical and fluorescein angiographic study of malignant melanoma of the choroid. Zhang CF, et al. **Chin Med J [Engl]** 1986 Jul;99(7):544–50
Differential diagnosis of pigmented tumor of the skin. Szymanski FJ. **Cutis** 1987 Jan;39(1):42
The patient with a pigmented lesion. Koh HK. **Hosp Pract [Off]** 1986 Oct 30;21(10A):47–9, 53–4
Malignant melanomatous schwannoma. Gupta JC, et al. **Indian J Pathol Microbiol** 1986 Jul;29(3):325–7
Pseudomelanoma. A pathologist's perspective. Suster S. **Int J Dermatol** 1986 Oct;25(8):506–7
A possible new tool for clinical diagnosis of melanoma: the computer. Cascinelli N, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):361–7
Spotting sinister spots. A challenge to dermatologists to examine every new patient at increased risk for signs of early melanoma. Howell JB. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):722–6
Early recognition of malignant melanoma [editorial] MacKie RM. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):707–8
Subungual fibrous histiocytoma mimicking melanoma. Rupp M, et al. **J Am Podiatr Med Assoc** 1987 Mar;77(3):141–2
Ophthalmologic oncology: conjunctival malignant melanoma in association with sporadic dysplastic nevus syndrome. Friedman RJ, et al. **J Dermatol Surg Oncol** 1987 Jan; 13(1):31–4
Routine total skin examination to detect malignant melanoma. Boyce JA, et al. **J Gen Intern Med** 1987 Jan–Feb;2(1):59–61 (24 ref.)
"Catalyst" symptoms in malignant melanoma.Cassileth BR, et al. **J Gen Intern Med** 1987 Jan–Feb;2(1):1–4
Metastatic uveal melanoma: an ocular melanoma associated antigen in the serum of patients with metastatic disease. Donoso LA, et al. **J Immunoassay** 1986;7(4):273–83
Specific biodetection of B16 mouse melanoma in vivo by syngeneic monoclonal antibody. Yamasaki T, et al. **J Invest Dermatol** 1987 Sep;89(3):225–9
Needle aspiration cytologic diagnosis of metastatic malignant melanoma of unknown primary origin: report of a case and review of the literature. Eftichiadou C, et al. **J Surg Oncol** 1987 Aug;35(4):253–5 (17 ref.)
Metastatic disease in patients with newly diagnosed malignant melanoma. Zartman GM, et al. **J Surg Oncol** 1987 Jul; 35(3):163–4
Diagnosis of metastatic malignant melanoma by fine needle aspiration biopsy: a clinical and pathologic correlation of 298 cases. Perry MD, et al. **JNCI** 1986 Nov;77(5):1013–21
Stage I–II melanoma: the value of metastatic work-up. Ardizzoni A, et al. **Oncology** 1987;44(2):87–9
Diagnosis and therapeutic surgery of the uvea—Part II: Results. Peyman GA, et al. **Ophthalmic Surg** 1987 Apr; 18(4):310–6
Pseudomelanoma of the iris in herpes simplex keratoiritis. Gupta K, et al. **Ophthalmology** 1986 Dec;93(12):1524–7
Magnetic resonance imaging in the evaluation and differentiation of uveal melanoma. Mafee MF, et al. **Ophthalmology** 1987 Apr;94(4):341–8
Limited choroidal hemorrhage mistaken for a choroidal melanoma. Morgan CM, et al. **Ophthalmology** 1987 Jan; 94(1):41–6
Uveal melanoma and similar lesions: the role of magnetic resonance imaging and computed tomography. Peyman GA, et al. **Radiol Clin North Am** 1987 May;25(3):471–86 (25 ref.)
Intracerebral malignant melanoma: high-field-strength MR imaging. Woodruff WW Jr, et al. **Radiology** 1987 Oct; 165(1):209–13
Spontaneous hyphema—initial presentation for malignant melanoma of the iris ciliary body. Beck BL, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(1):289–93
Malignant melanoma in childhood. Salman T, et al. **Turk J Pediatr** 1986 Oct–Dec;28(4):263–70
Ultrastructural diagnosis of amelanotic malignant melanoma: aberrant melanosomes, myelin figures or lysosomes? Erlandson RA. **Ultrastruct Pathol** 1987;11(2–3):191–208
Ultrastructural diagnosis of melanoma from an endoscopic biopsy. Yamashina M, et al. **Ultrastruct Pathol** 1987; 11(4):465–72
Cystic renal melanoma: CT/ultrasound correlation. Tipton A, et al. **Urol Radiol** 1987;9(1):39–41
[Melanoma or no melanoma? Various practical guidelines for the differential clinical diagnosis of pigmented skin tumors] Suurmond D, et al. **Ned Tijdschr Geneeskd** 1987 Jun 6; 131(23):981–5 **(Dut)**
[Melanoma of the extremities a little known diagnosis and difficult treatment. Review of 20 cases] Nogaret JM, et al. **Acta Chir Belg** 1986 Jul–Aug;86(4):238–44 (Eng. Abstr.) **(Fre)**
[Melanotic schwannoma. Anatomo-clinical study of a case and review of the literature] Parent M, et al. **Arch Anat Cytol Pathol** 1987;35(2):76–81 (Eng. Abstr.) **(Fre)**
[Malignant tumors of the choroid. Clinical signs, clinical forms, differential diagnosis] Arne JL, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;Spec No:7–72 (203 ref.) **(Fre)**
[Echographic approach to choroid tumors] Poujol J. **Bull Soc Ophtalmol Fr** 1986 Nov;Spec No:125–41 **(Fre)**
[Choroidal hematoma in the development of malignant melanoma] Tomas J, et al. **Bull Soc Ophtalmol Fr** 1986 Feb;86(2):211–2 (Eng. Abstr.) **(Fre)**
[Retinitis proliferans and malignant choroidal melanoma] Turut P, et al. **Bull Soc Ophtalmol Fr** 1986 Feb;86(2):207–8, 210 (Eng. Abstr.) **(Fre)**
[Prognosis of malignant melanoma] Perroulaz G, et al. **Rev Med Suisse Romande** 1986 Jul;106(7):649–51 **(Fre)**
[Classification, diagnosis and differential diagnosis of malignant melanomas] Braun-Falco O, et al. **Chirurg** 1986 Oct;57(10):593–600 **(Ger)**
[Comparative studies between excretion of 5-S-cysteinyldopa and indole melanogens in urine] Beyer C, et al. **Dermatol Monatsschr** 1986;172(9):541–4 (Eng. Abstr.) **(Ger)**
[Malignant melanoma in the area of the head and neck] Christophers E, et al. **HNO** 1986 Oct;34(10):397–408 (Eng. Abstr.) **(Ger)**
[Malignant melanoma: classification and early diagnosis] Vakilzadeh F. **Med Klin** 1986 May 6;81(10):365–9 **(Ger)**
[Diagnostic value of ultrasound in malignant melanoma] Schwaighofer B, et al. **ROFO** 1987 Apr;146(4):409–11 (Eng. Abstr.) **(Ger)**
[Diagnostic difficulties of malignant melanoma] Bégány A, et al. **Orv Hetil** 1987 Jan 18;128(3):133–5 (Eng. Abstr.) **(Hun)**
[A case of metastatic malignant melanoma mimicking pancreatic pseudocyst] Kitamura Y, et al. **Gan No Rinsho** 1987 Jun;33(6):748–52 (Eng. Abstr.) **(Jpn)**
[Immunohistochemical demonstration of tyrosinase 4 in normal skin and melanocytic tumors] Kageshita T, et al. **Nippon Hifuka Gakkai Zasshi** 1987 May;97(6):685–90 **(Jpn)**
[A case of simulation of vulvar neoplasm by a patient with schizophrenia] Szymański W, et al. **Ginekol Pol** 1987 Feb; 58(2):131–4 (Eng. Abstr.) **(Pol)**
[Immunologic aspects in the diagnosis of uveal melanoma] Omulecki W. **Klin Oczna** 1986 May;88(5):175–7 (Eng. Abstr.) **(Pol)**
[Melanogens in the diagnosis of melanoma] Kubiński Z. **Nowotwory** 1987 Jan–Mar;37(1):10–5 (Eng. Abstr.) **(Pol)**
[Clinical picture of malignant melanoma in children] Czerwiński W, et al. **Pediatr Pol** 1986 Aug;61(8):534–42 (Eng. Abstr.) **(Pol)**
[Giant pigmented nevus and malignant melanoma in children] Stoba C, et al. **Pediatr Pol** 1986 Aug;61(8):529–33 **(Pol)**
[Mercury-induced granuloma simulating malignant melanoma] Kadyków M. **Przegl Dermatol** 1986 Mar–Apr; 73(2):147–51 (Eng. Abstr.) **(Pol)**
[Clinico-angiographic characteristics of choroid melanoma and their significance in the planning of organ-sparing treatment] Rybakova ML, et al. **Oftalmol Zh** 1986; (7):409–12 (Eng. Abstr.) **(Rus)**
[Melanoma of the maxillary sinus] Nasretdinov TKh, et al. **Vestn Otorinolaringol** 1986 Sep–Oct;(5):73 **(Rus)**
[Melanoma of the rectum] Pashkevich VI, et al. **Voen Med Zh** 1987 Feb;(2):57–9 **(Rus)**
[Malignant melanoma of the uvea—a review] Seregard S, et al. **Lakartidningen** 1987 Jul 8;84(28–29):2337–8 (25 ref.) **(Swe)**

DRUG THERAPY

Combination chemotherapy with dacarbazine and lomustine in disseminated malignant melanoma. Joensuu H, et al. **Acta Radiol [Oncol]** 1986 May–Jun;25(3):177–9
Vitamin B6 deficiency and carcinogenesis. Reynolds RD. **Adv Exp Med Biol** 1986;206:339–47
Acute non-lymphocytic leukemia (ANLL) following treatment with dacarbazine for malignant melanoma. Carey RW, et al. **Am J Hematol** 1987 May;25(1):119–21
Toxicity of tumor necrosis factor is synergistic with gamma-interferon and can be reduced with cyclooxygenase inhibitors. Talmadge JE, et al. **Am J Pathol** 1987 Sep;128(3):410–25
Chemotherapy by regional perfusion for limb melanoma. Krementz ET, et al. **Am Surg** 1987 Mar;53(3):133–40
Clinical trials in disseminated malignant melanoma. Kleeberg UR. **Anticancer Res** 1987 May–Jun;7(3 Pt B):423–7
Normothermic isolation perfusion with melphalan for advanced melanoma of the limbs. Kroon BB, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):441–2
Combined treatment of advanced malignant melanoma with coumarin and cimetidine. Nolte H, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):449–50
Acute renal failure following hyperthermic isolation perfusion of the left leg. Rauschecker HF, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):451–3
Angioocclusive chemotherapy in melanoma: rationale and technical considerations. Voigt H, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):443–4
Tumor inhibition by titanocene complexes. Activity against B16 melanoma and colon 38 carcinoma. Köpf-Maier P, et al. **Arzneimittelforschung** 1987 May;37(5):532–4
Laser photocoagulation of choroidal malignant melanoma. Tse DT. **Biomed Pharmacother** 1986;40(9):323–5
Mitozolomide (NSC 353451), a new active drug in the treatment of malignant melanoma. Phase II trial in patients with advanced disease. Gundersen S, et al. **Br J Cancer** 1987 Apr;55(4):433–5
Biochemical and ultrastructural alterations accompany the anti-proliferative effect of butyrate on melanoma cells. Nordenberg J, et al. **Br J Cancer** 1987 May;55(5):493–7
Response of an ocular melanoma to subconjunctival injection of 5-thio-D-glucose or cis-platin. Skov KA, et al. **Br J Cancer** 1987 May;55(5):499–502
Isolation perfusion with cisplatin for malignant melanoma of the limbs. Klein ES, et al. **Cancer** 1987 Mar 15; 59(6):1068–71
Use of nude mouse xenografts as preclinical drug screens. Further studies on in vitro growth of xenograft tumor colony-forming cells. Taetle R, et al. **Cancer** 1986 Nov 1;58(9):1969–78
Combined treatment of advanced malignant melanoma with coumarin and cimetidine. A phase II study. Pedersen L, et al. **Cancer Immunol Immunother** 1987;24(2):178–9
Phase II trial of MVE-II in metastatic malignant melanoma. Rinehart J, et al. **Cancer Immunol Immunother** 1987; 24(3):244–6
Generation of drug-resistant variants in metastatic B16 mouse melanoma cell lines. Cillo C, et al. **Cancer Res** 1987 May 15;47(10):2604–8
Selective cytotoxicity of 4-S-cysteaminylphenol on follicular melanocytes of the black mouse: rational basis for its application to melanoma chemotherapy. Ito Y, et al. **Cancer Res** 1987 Jun 15;47(12):3278–84
A simple and accurate new method for cytostatics dosimetry in isolation perfusion of the limbs based on exchangeable blood volume determination. Lejeune FJ, et al. **Cancer Res** 1987 Jan 15;47(2):639–43
Hammering away at solid tumors. Appelbaum FR. **Cancer Treat Rep** 1987 Feb;71(2):115–7
Cytarabine and cisplatin in advanced malignant melanoma. Bajetta E, et al. **Cancer Treat Rep** 1986 Dec;70(12):1441–2
Phase II study of the combination of vinblastine plus cisplatin administered by continuous 120-hour infusion for patients with advanced malignant melanoma. Creagan ET, et al. **Cancer Treat Rep** 1987 Jul–Aug;71(7–8):769–70
Phase II study of recombinant interferon-gamma in patients with disseminated malignant melanoma. Creagan ET, et al. **Cancer Treat Rep** 1987 Sep;71(9):843–4
Phase II trial of carboplatin in advanced malignant melanoma. Evans LM, et al. **Cancer Treat Rep** 1987 Feb; 71(2):171–2
Phase II trial of esorubicin in patients with advanced melanoma. Frustaci S, et al. **Cancer Treat Rep** 1987 Mar; 71(3):325–6
Dose-response relationship to dacarbazine demonstrated in a patient with malignant melanoma. Hoelzer KL, et al. **Cancer Treat Rep** 1986 Oct;70(10):1211–2
Allergy-induced hepatic toxicity associated with dacarbazine. McClay E, et al. **Cancer Treat Rep** 1987 Feb; 71(2):219–20
Combination chemotherapy and hormonal therapy in the treatment of malignant melanoma. McClay EF, et al. **Cancer Treat Rep** 1987 May;71(5):465–9
Phase II study of i.v. menogaril in patients with malignant melanoma: a National Cancer Institute of Canada Clinical Trials Group Study. McCulloch PB, et al. **Cancer Treat Rep** 1987 Jul–Aug;71(7–8):771–2
Phase II study of the combination of carmustine and 6-thioguanine in advanced malignant melanoma. Morton RF, et al. **Cancer Treat Rep** 1987 Apr;71(4):429–30
Treatment of metastatic malignant melanoma with dacarbazine and cisplatin. Oratz R, et al. **Cancer Treat Rep** 1987 Sep;71(9):877–8
Enhancement of semustine-induced cytotoxicity by chlorpromazine and caffeine in a human melanoma xenograft. Osieka R, et al. **Cancer Treat Rep** 1986 Oct; 70(10):1167–71
Use of nude mouse xenografts as preclinical drug screens: in vivo activity of established chemotherapeutic agents against melanoma and ovarian carcinoma xenografts. Taetle R, et al. **Cancer Treat Rep** 1987 Mar;71(3):297–304
Lack of benefit of adjunctive chemotherapy in stage I malignant melanoma: a Southwest Oncology Group Study. Tranum BL, et al. **Cancer Treat Rep** 1987 Jun;71(6):643–4
A pilot study of oral idarubicin in metastatic melanoma. Martoni A, et al. **Chemioterapia** 1986 Dec;5(6):414–5
Metastatic malignant melanoma treated with procarbazine, vincristine and lomustine (POC). Repetto L, et al. **Chemioterapia** 1987 Feb;6(1):63–5
Cytotoxic chemotherapy of disseminated cutaneous malignant melanoma—a prospective and randomized clinical trial of procarbazine, vindesine and lomustine versus procarbazine, DTIC and lomustine. Carmo-Pereira J, et al. **Eur J Cancer Clin Oncol** 1986 Dec;22(12):1435–9
Phase II study of bleomycin, actinomycin D, DTIC and vindesine in disseminated malignant melanoma. Mulder NH, et al. **Eur J Cancer Clin Oncol** 1986 Jul;22(7):879–81
Recombinant leukocyte A interferon and cimetidine treatment in disseminated melanoma [letter] Pehamberger H, et al. **Eur J Cancer Clin Oncol** 1986 Nov;22(11):1407–11
Corynebacterium parvum followed by chemotherapy (actinomycin D and DTIC) compared with chemotherapy alone for metastatic malignant melanoma. Thatcher N, et al. **Eur J Cancer Clin Oncol** 1986 Aug;22(8):1009–14
Hyperthermic antiblastic perfusion with DTIC in stage IIIA–IIIAB melanoma of the extremities [published erratum appears in Eur J Surg Oncol 1987 Aug;13(4):unbound] Vaglini M, et al. **Eur J Surg Oncol** 1987 Apr;13(2):127–9

In vivo anti-tumour activity of recombinant human and murine TNF, alone and in combination with murine IFN-gamma, on a syngeneic murine melanoma. Brouckaert PG, et al. **Int J Cancer** 1986 Nov 15;38(5):763-9

A phase II study of CCNU with benznidazole for metastatic malignant melanoma. Bleehen NM, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1401-3

Phase II trial of esorubicin (4' deoxydoxorubicin) in cancers of the breast, colon, kidney, lung and melanoma. Braich TA, et al. **Invest New Drugs** 1986;4(3):269-74

Role of metabolism in effects of diflubenzuron on growth of B16 melanomas in mice. Jenkins VK, et al. **Invest New Drugs** 1986;4(4):325-35

A phase II study of alpha-difluoromethylornithine (DFMO) for the treatment of metastatic melanoma. Meyskens FL, et al. **Invest New Drugs** 1986;4(3):257-62

Role of topical tretinoin in melanoma and dysplastic nevi. Meyskens FL Jr, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):822-5

Inhibition of suppressor-cell activity by cyclophosphamide in patients with malignant melanoma. Livingston PO, et al. **J Biol Response Mod** 1987 Aug;6(4):392-403

Phase II trial of recombinant leukocyte A interferon in advanced malignant melanoma. Elsässer-Beile U, et al. **J Cancer Res Clin Oncol** 1987;113(3):273-8

Comparison of the effects of three different treatment regimens of recombinant interferons (r-IFN alpha, r-IFN gamma, and r-IFN alpha + cimetidine) in disseminated malignant melanoma. Steiner A, et al. **J Cancer Res Clin Oncol** 1987;113(5):459-65

WR-2721 and high-dose cisplatin: an active combination in the treatment of metastatic melanoma. Glover D, et al. **J Clin Oncol** 1987 Apr;5(4):574-8

Phase II studies of single-agent cimetidine and the combination N-phosphonacetyl-L-aspartate (NSC-224131) plus L-alanosine (NSC-153353) in advanced malignant melanoma. Morton RF, et al. **J Clin Oncol** 1987 Jul;5(7):1078-82

High-dose chemotherapy without autologous bone marrow transplantation in melanoma. Tchekmedyian NS, et al. **J Clin Oncol** 1986 Dec;4(12):1811-8

Adjuvant chemotherapy in high-risk malignant melanoma. Karakousis CP, et al. **J Surg Oncol** 1987 Sep;36(1):64-7

Effective management of extremity cancers using cisplatin and etoposide in isolated limb perfusions. Roseman JM. **J Surg Oncol** 1987 Jul;35(3):170-2

Patterns of resistance to alkylating agents. Osieka R, et al. **Prog Clin Biol Res** 1986;223:129-41

Prognostic factors in advanced metastatic and recurrent melanoma treated with DTIC. Pawlicki M, et al. **Tumori** 1987 Feb 28;73(1):49-50

Isolated regional perfusion in malignant melanoma of the extremities. Schraffordt Koops H, et al. **World J Surg** 1987 Aug;11(4):527-33

[Effect of a new benzodiazepine derivative on experimental malignant melanomas] Werner W, et al. **Arch Geschwulstforsch** 1987;57(1):17-23 (Eng. Abstr.) **(Ger)**

[Randomized melanoma study of perfusion of the extremities. Results of treatment 2 1/2 years after premature discontinuation] Ghussen F, et al. **Chirurg** 1986 Oct;57(10):619-23 (Eng. Abstr.) **(Ger)**

[Chemotherapy of malignant melanoma] Karakousis CP. **Chirurg** 1986 Oct;57(10):606-11 **(Ger)**

[DTIC: effect on fibrinolysis and thrombocyte function] Biltz H, et al. **Onkologie** 1986 Oct;9(5):270-3 (Eng. Abstr.) **(Ger)**

[The effect of actinomycin D on the survival and recoverability of irradiated human melanoma cells] Ziegler W. **Strahlenther Onkol** 1987 May;163(5):330-6 (Eng. Abstr.) **(Ger)**

[Therapeutic effect of human lymphoblastoid interferon (MOR-22) on malignant skin tumors--a phase II study] Mishima Y. **Nippon Gan Chiryo Gakkai Shi** 1986 Jun 20;21(5):1059-67 (Eng. Abstr.) **(Jpn)**

[Value of perfusion and infusion in the treatment of malignant melanoma of the lower extremities] Meyza J. **Pediatr Pol** 1986 Aug;61(8):521-3 **(Pol)**

[Clinical trials of supplementary chemotherapy in cases of malignant melanoma of the skin with unfavorable prognosis after surgical treatment] Dobrek Z. **Wiad Lek** 1987 Feb 15;40(4):237-41 (Eng. Abstr.) **(Pol)**

[Pharmacologic therapy of melanoma of the skin] Dement'eva NP, et al. **Sov Med** 1987;(2):49-53 **(Rus)**

[Late results of the conservative treatment of melanoma of the skin] Kogoniia LM, et al. **Sov Med** 1986;(11):101-2 **(Rus)**

ENZYMOLOGY

Effects of retinoids on type IV collagenolytic activity in melanoma cells. Oikarinen A, et al. **Acta Derm Venereol (Stockh)** 1986;66(4):346-8

A solid-phase substrate of heparanase: its application to assay of human melanoma for heparan sulfate degradative activity. Nakajima M, et al. **Anal Biochem** 1986 Aug 15;157(1):162-71

Reconstitution of the Gs protein from B16 melanoma clones of high and low experimental metastatic potential into S49 cyc- membranes. Lester BR, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):443-51

Pertussis toxin inhibits stimulated motility independently of the adenylate cyclase pathway in human melanoma cells. Stracke ML, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):339-45

Analysis of the cell membrane proteolytic enzymes of the B16, F1, F10, and BL6 melanoma and their role in target cell destruction. DiStefano JF, et al. **Cancer Invest** 1986;4(5):403-20

Triiodothyronine repression of imidazole-induced tyrosinase expression in B16 melanoma cells. Kline EL, et al. **Endocrinology** 1986 Nov;119(5):2118-23

Melanoma dynein: evidence that dynein is a general "motor" for microtubule-associated cell motilities. Ogawa K, et al. **Eur J Cell Biol** 1987 Feb;43(1):3-9

Alpha-melanocyte-stimulating hormone regulation of tyrosinase in Cloudman S-91 mouse melanoma cell cultures. Fuller BB, et al. **J Biol Chem** 1987 Mar 25;262(9):4024-33

Bleomycin enhances the tyrosinase activity of human malignant melanoma cells in culture. Bernd A, et al. **Pharmacol Res Commun** 1986 Nov;18(11):1075-91

[The effect of dinitrophenylation on the tyrosinase activity of extracts from human melanomas] Schwartze G. **Dermatol Monatsschr** 1986;172(8):498-500 **(Ger)**

ETIOLOGY

The risk of progression of lentigo maligna to lentigo maligna melanoma. Weinstock MA, et al. **Br J Dermatol** 1987 Mar;116(3):303-10

Risk factors for cutaneous malignant melanoma in a northern Italian population. Cristofolini M, et al. **Int J Cancer** 1987 Feb 15;39(2):150-4

Malignant melanoma arising intradermally in a small congenital nevus of an adult. Paull WH, et al. **J Dermatol Surg Oncol** 1986 Nov;12(11):1176-8

Sunburn and melanoma [editorial] **Lancet** 1987 May 23;1(8543):1184

Ozone depletion and cancer risk. Jones RR. **Lancet** 1987 Aug 22;2(8556):443-6

Melanoma of the skin is not caused by ultraviolet radiation but by a chemical xenobiotic. Rampen FH, et al. **Med Hypotheses** 1987 Apr;22(4):341-6

Risk of cutaneous melanoma in dysplastic nevus syndrome types A and B [letter] Kraemer KH, et al. **N Engl J Med** 1986 Dec 18;315(25):1615-6

Melanoma and dietary lipids. Mackie BS, et al. **Nutr Cancer** 1987;9(4):219-26

Solar exposure in the etiology of cutaneous melanoma. Sober AJ. **Photodermatol** 1987 Feb;4(1):23-31 (39 ref.)

[Photocarcinogenesis] Amblard P, et al. **Ann Dermatol Venereol** 1987;114(3):381-94 (132 ref.) **(Fre)**

[Signs of tissue stress in pigmented nevus and malignant melanoma of the skin in children] Sawicz-Birkowska K, et al. **Pediatr Pol** 1986 Aug;61(8):524-8 **(Pol)**

[Pathomorphology of pigmentary changes in the skin and mucous membranes] Sikorowa L. **Pediatr Pol** 1986 Aug;61(8):484-90 (Eng. Abstr.) **(Pol)**

[Characteristics of the origin of pigment neoplasms of the uveal tract of the human eye] Vit VV. **Oftalmol Zh** 1986;(7):401-6 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Chromatid repulsion associated with Roberts/SC phocomelia syndrome is reduced in malignant cells and not expressed in interspecies somatic-cell hybrids. Krassikoff NE, et al. **Am J Hum Genet** 1986 Nov;39(5):618-30

The inheritance of cutaneous malignant melanoma (CMM) and dysplastic nevus syndrome (DNS) [letter] Pascoe L. **Am J Hum Genet** 1987 May;40(5):464-7

DNA content abnormalities and prognosis in uveal melanoma. Meecham WJ, et al. **Arch Ophthalmol** 1986 Nov;104(11):1626-9

Harvey-ras oncogene restriction fragment alleles in familial melanoma kindreds. Sutherland C, et al. **Br J Cancer** 1986 Nov;54(5):787-90

Hereditary melanoma, the dysplastic nevus syndrome, and transferrin. Bale SJ, et al. **Cancer Genet Cytogenet** 1986 Nov;23(3):279-80

Cytogenetics in hereditary malignant melanoma and dysplastic nevus syndrome: is dysplastic nevus syndrome a chromosome instability disorder? Caporaso N, et al. **Cancer Genet Cytogenet** 1987 Feb;24(2):299-314

Sister chromatid exchanges, hyperdiploidy and chromosomal rearrangements studied in cells from melanoma-prone individuals belonging to families with the dysplastic nevus syndrome. Jaspers NG, et al. **Cancer Genet Cytogenet** 1987 Jan;24(1):33-43

Chromosome changes associated with spontaneous phenotypic variation of transplantable melanoma. Limon J, et al. **Cancer Genet Cytogenet** 1987 Mar;25(1):123-9

Loss of heterozygosity at autosomal and X-linked loci during tumor progression in a patient with melanoma. Dracopoli NC, et al. **Cancer Res** 1987 Aug 1;47(15):3995-4000

DNA amplification and metastasis of the human melanoma cell line MeWo. Gitelman I, et al. **Cancer Res** 1987 Jul 15;47(14):3851-5

Formation and removal of DNA cross-links induced by melphalan and nitrogen mustard in relation to drug-induced cytotoxicity in human melanoma cells. Hansson J, et al. **Cancer Res** 1987 May 15;47(10):2631-7

Rate of generation of major karyotypic abnormalities in relationship to the metastatic potential of B16 murine melanoma. Kendal WS, et al. **Cancer Res** 1987 Jul 15;47(14):3835-41

An amplification unit in human melanoma cells showing partial homology with sequences of human papillomavirus type 9 and with nuclear antigen 1 of the Epstein-Barr virus. Klingel R, et al. **Cancer Res** 1987 Aug 15;47(16):4485-92

Reduced levels of DNA 5-methylcytosine in metastatic variants of the human melanoma cell line MeWo. Liteplo RG, et al. **Cancer Res** 1987 May 1;47(9):2264-7

Immunochemical determination of an initial step in thymine dimer excision repair in xeroderma pigmentosum variant fibroblasts and biopsy material from the normal population and patients with basal cell carcinoma and melanoma. Roth M, et al. **Carcinogenesis** 1987 Sep;8(9):1301-7

Flow karyotyping of human melanoma cell lines. Arkesteijn GJ, et al. **Cytometry** 1986 Sep;7(5):425-30

HLA in familial malignant melanoma. Boullie MC, et al. **Dermatologica** 1986;173(3):109-15

Melanomas arising in married couples [letter] Marcus L. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):400-1

DNA repair synthesis in fibroblast strains from patients with actinic keratosis, squamous cell carcinoma, basal cell carcinoma, or malignant melanoma after treatment with ultraviolet light, N-acetoxy-2-acetyl-aminofluorene, methyl methanesulfonate, and N-methyl-N-nitrosourea. Thielmann HW, et al. **J Cancer Res Clin Oncol** 1987;113(2):171-86

Familial malignant melanoma. Kopf AW, et al. **JAMA** 1986 Oct 10;256(14):1915-9

In vivo immunologic selection of class I major histocompatibility complex gene deletion variants from the B16-BL6 melanoma. Talmadge JE, et al. **JNCI** 1987 Jun;78(6):1215-21

Higher susceptibility to N-methyl-N'-nitro-N-nitrosoguanidine-induced tumorigenesis in an interstrain hybrid of the fish, Oryzias latipes (medaka). Hyodo-Taguchi Y, et al. **Jpn J Cancer Res** 1987 May;78(5):487-93

Retinoblastoma, melanoma, and pancreatic cancer [letter] DerKinderen DJ, et al. **Lancet** 1986 Dec 6;2(8519):1335-6

Evidence against Ha-ras-1 involvement in sporadic and familial melanoma. Gerhard DS, et al. **Nature** 1987 Jan 1-7;325(6099):73-5

[Dysplastic nevus syndrome] Andreev VC, et al. **Z Hautkr** 1986 Dec 15;61(24):1793-8 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Malignant melanoma in a homosexual man with HTLV-III/LAV exposure. Gupta S, et al. **Am J Med** 1987 May;82(5):1027-30

Unique proteins defined by monoclonal antibodies specific for human melanoma. Some potential clinical applications. Esclamado RM, et al. **Am J Surg** 1986 Oct;152(4):376-85

The nerve growth factor receptor in normal and transformed neural crest cells. Ross AH, et al. **Ann NY Acad Sci** 1986;486:115-23

The role of carcinoembryonic antigen in surveillance of patients with choroidal malignant melanoma: a prospective study. Meyer E, et al. **Ann Ophthalmol** 1987 Jan;19(1):24-5

Regulation of the antigenic phenotype of human melanoma cells by recombinant interferons. Giacomini P, et al. **Anticancer Res** 1986 Sep-Oct;6(5):877-84

Enhanced expression of HLA-DR antigens by the human melanoma cell line CaCL 73-36 upon induction of a less differentiated phenotype with bromodeoxyuridine. Kawakubo Y, et al. **Anticancer Res** 1986 Sep-Oct;6(5):1197-204

Serial determinations of melanoma tumor-associated antigen and antibody in patients with stage I melanoma. Wong JH, et al. **Arch Surg** 1986 Nov;121(11):1342-5

Immune response to autologous human melanoma: implication of class I and II MHC products. Fossati G, et al. **Biochim Biophys Acta** 1986 Dec 17;865(3):235-51 (122 ref.)

Development of MoAb HMSA-2 for melanosomes of human melanoma and its application to immunohistopathologic diagnosis of neoplastic melanocytes. Maeda K, et al. **Cancer** 1987 Feb 1;59(3):415-23

The differential reactivity of benign and malignant nevomelanocytic lesions with mouse monoclonal antibody TNKH1. Nakanishi T, et al. **Cancer** 1987 Apr 1;59(7):1340-4

Immunohistochemical detection of antigen in human primary and metastatic melanomas by the monoclonal antibody 140.240 and its possible prognostic significance. Natali PG, et al. **Cancer** 1987 Jan 1;59(1):55-63

The influence of monoclonal antibody dose on tumor uptake of radiolabeled antibody. Wahl RL, et al. **Cancer Drug Deliv** 1986 Fall;3(4):243-9

Enhancement of cytotoxic and proliferative responses of lymphocytes from melanoma patients by incubation with monoclonal antibodies against ganglioside GD3. Hersey P, et al. **Cancer Immunol Immunother** 1987;24(2):144-50

Heterogeneous expression of a murine B16 melanoma-associated antigen correlates with cell cycle. Leong SP, et al. **Cancer Immunol Immunother** 1987;24(2):106-12

Criteria for selecting monoclonal antibodies with respect to accumulation in melanoma tissue. Matzku S, et al. **Cancer Immunol Immunother** 1987;24(2):151-7

Expression of HLA-DR antigens on tumour cells does not

contribute to skin reactivity to autologous cholesteryl hemisuccinate (CHS)–treated tumour cells in patients with metastatic melanoma. Munzarová M, et al. **Cancer Immunol Immunother** 1987;24(3):272–4

Circulating melanoma–associated antigen detected by monoclonal antibody NKI/C–3. Vennegoor C, et al. **Cancer Immunol Immunother** 1986;23(2):93–100

Changes in antigen expression on human FME melanoma cells after exposure to photoactivated hematoporphyrin derivative. Davies CD, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6068–72

Mouse monoclonal antibody (FKH1) detecting human melanoma–associated antigens. Fukaya T, et al. **Cancer Res** 1986 Oct;46(10):5195–200

A cytoplasmic human melanoma associated antigen as a marker of activation in lymphoid cells. Giacomini P, et al. **Cancer Res** 1987 Oct 1;47(19):5175–80

Toxicity and immunogenicity of monoclonal antimelanoma antibody–ricin A chain immunotoxin in rats. Harkonen S, et al. **Cancer Res** 1987 Mar 1;47(5):1377–82

Suppressor cell activity in melanoma–draining lymph nodes. Hoon DS, et al. **Cancer Res** 1987 Mar 15;47(6):1529–33

Phenotypic diversity of murine B16 melanoma detected by anti–B16 monoclonal antibodies. Johnson CW, et al. **Cancer Res** 1987 Feb 15;47(4):1111–7

Biosynthesis and intracellular processing of four human melanoma associated antigens. Kantor RR, et al. **Cancer Res** 1986 Oct;46(10):5223–8

Natural killer cells in the host response to melanoma. Kornstein MJ, et al. **Cancer Res** 1987 Mar 1;47(5):1411–2

Syngenic antiidiotypic antisera to murine antihuman high–molecular–weight melanoma–associated antigen monoclonal antibodies. Kusama M, et al. **Cancer Res** 1987 Aug 15;47(16):4312–7

Cross–reactivity of murine anti–human high molecular weight–melanoma associated antigen monoclonal antibodies with guinea pig melanoma cells. Liao SK, et al. **Cancer Res** 1987 Sep 15;47(18):4835–41

Expression of melanoma–associated antigens by normal and neurofibroma Schwann cells. Ross AH, et al. **Cancer Res** 1986 Nov;46(11):5887–92

Monoclonal antibody–defined correlations in melanoma between levels of GD2 and GD3 antigens and antibody–mediated cytotoxicity. Thurin J, et al. **Cancer Res** 1987 Mar 1;47(5):1229–33

Modulation of B16 melanoma antigen expression by lymphokines and dimethyl sulfoxide. Trimpe KL, et al. **Cancer Res** 1986 Oct;46(10):4953–9

Fluctuations in the expression of a glycolipid antigen associated with differentiation of melanoma cells monitored by a monoclonal antibody, Leo Mel 3. Werkmeister JA, et al. **Cancer Res** 1987 Jan 1;47(1):225–30

Analysis with monoclonal antibodies of the molecular and cellular heterogeneity of human high molecular weight melanoma associated antigen. Ziai MR, et al. **Cancer Res** 1987 May 1;47(9):2474–80

Cell surface antigens of melanocytes and melanoma. Albino AP, et al. **Cancer Surv** 1985;4(1):185–211

Activation of autoreactive cytolytic T lymphocyte clone against human melanoma by anti–T3 monoclonal antibody and autologous accessory cells. Tatake RJ, et al. **Cell Immunol** 1987 Aug;108(1):42–52

Internalization and re–expression of antigens of human melanoma cells following exposure to monoclonal antibody. Wang BS, et al. **Cell Immunol** 1987 Apr 15; 106(1):12–21

Heterogeneous expression of melanoma–associated antigens in uveal melanomas. van der Pol JP, et al. **Curr Eye Res** 1987 Jun;6(6):757–65

Augmentation of natural immunity and correlation with tumor response in melanoma patients treated with human lymphoblastoid interferon. Neefe JR, et al. **Diagn Immunol** 1986;4(6):299–305

Expression of HLA antigens in paraffin sections of uveal melanomas. Jager MJ, et al. **Doc Ophthalmol** 1986 Dec 30;64(1):69–76

Differential function of LFA–1 family molecules (CD11 and CD18) in adhesion of human monocytes to melanoma and endothelial cells. te Velde AA, et al. **Immunology** 1987 Jul; 61(3):261–7

Expression of heterophile, Paul–Bunnell and Hanganutziu–Deicher antigens on human melanoma cell lines. Nakarai H, et al. **Int Arch Allergy Appl Immunol** 1987; 83(2):160–6

Control of human melanoma growth in nude mice by autologous allo–activated peripheral blood lymphocytes. Balsari A, et al. **Int J Cancer** 1986 Dec 15;38(6):923–7

Characterization of melanoma–associated surface antigens involved in the adhesion and motility of human melanoma cells. de Vries JE, et al. **Int J Cancer** 1986 Oct 15; 38(4):465–73

Melanoma cell lysis by human CTL clones: differential involvement of T3, T8 and HLA antigens. Fossati G, et al. **Int J Cancer** 1987 Jun 15;39(6):689–94

Multiple epitope recognition: an approach to improved radioimmunodetection of tumor–associated antigens. Giacomini P, et al. **Int J Cancer** 1987 Jun 15;39(6):729–36

Production of stable cytolytic T–cell clones directed against autologous human melanoma. Hérin M, et al. **Int J Cancer** 1987 Mar 15;39(3):390–6

Tumor progression in human malignant melanoma: five stages defined by their antigenic phenotypes. Holzmann B, et al. **Int J Cancer** 1987 Apr 15;39(4):466–71

Characterization of a novel neuroglandular antigen (NGA) expressed on abnormal human melanocytes. Sikora LK, et al. **Int J Cancer** 1987 Feb 15;39(2):138–45

T cell subsets involved in the rejection of metastases arising from intraocular melanomas in mice. Niederkorn JY. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1397–403

Doxorubicin enhances complement susceptibility of human melanoma cells by extracellular oxygen radical formation. Bredehorst R, et al. **J Biol Chem** 1987 Feb 15; 262(5):2034–41

Monoclonal antibody Leo Mel 3, which inhibits killing of human melanoma cells by anomalous killer cells, binds to a sugar sequence in GD2 (II3(NeuAc)2–GgOse3Cer) and several other gangliosides. Fukuta S, et al. **J Biol Chem** 1987 Apr 5;262(10):4800–3

Preparation of a monoclonal antibody to a melanoma growth–stimulatory activity released into serum–free culture medium by Hs0294 malignant melanoma cells. Lawson DH, et al. **J Cell Biochem** 1987 Jul;34(3):169–85

Killing of human melanoma cells by the membrane attack complex of human complement as a function of its molecular composition. Martin DE, et al. **J Clin Invest** 1987 Jul;80(1):226–33

Antibody to S–100 protein aids the separation of pagetoid melanoma from mammary and extramammary Paget's disease. Glasgow BJ, et al. **J Cutan Pathol** 1987 Aug; 14(4):223–6

Immunohistochemical study of HLA antigens and lymphocyte infiltration in melanocytic tumors. Kageshita T, et al. **J Dermatol (Tokyo)** 1986 Jun;13(3):179–84

Class II histocompatibility antigen expression in human melanocytes transformed by Harvey murine sarcoma virus (Ha–MSV) and Kirsten MSV retroviruses. Albino AP, et al. **J Exp Med** 1986 Nov 1;164(5):1710–22

Loss of polymorphic restriction fragments of class I and class II MHC genes in a malignant melanoma. Angelini G, et al. **J Immunogenet** 1986 Apr–Jun;13(2–3):241–6

Differential expression of HLA class I and II antigens in primary and metastatic melanomas. Lopez Nevot MA, et al. **J Immunogenet** 1986 Apr–Jun;13(2–3):219–27

Phenotypic heterogeneity of HLA products on human melanoma cells. Parmiani G, et al. **J Immunogenet** 1986 Apr–Jun;13(2–3):235–40

Expression and susceptibility to modulation by interferons of HLA class I and II antigens on melanoma cells. Immunohistochemical analysis and clinical relevance. Ruiter DJ, et al. **J Immunogenet** 1986 Apr–Jun; 13(2–3):229–34 (36 ref.)

Interferon–gamma regulates the T cell response to precursor nevi and biologically early melanoma. Guerry D 4th, et al. **J Immunol** 1987 Jul 1;139(1):305–12

Characterization of a monoclonal antibody–defined human melanoma–associated antigen susceptible to induction by immune interferon. Matsui M, et al. **J Immunol** 1987 Sep 15;139(6):2088–95

Identification of specific cytolytic immune responses against autologous tumor in humans bearing malignant melanoma. Muul LM, et al. **J Immunol** 1987 Feb 1;138(3):989–95

Melanoma–associated antigens in deparaffinized tissue sections [letter] Sloan JB, et al. **J Invest Dermatol** 1986 Nov;87(5):678

Myelin–associated glycoprotein shares an antigenic determinant with a glycoprotein of human melanoma cells. Noronha AB, et al. **J Neurochem** 1986 Nov;47(5):1558–65

Associated expression of HLA class I and class II antigens on melanoma cells in surgically removed metastases. van Duinen SG, et al. **J Pathol** 1986 Aug;149(4):339–48

Specific binding and lysis of human melanoma by IL–2–activated cells coated with anti–T3 or anti–Fc receptor cross–linked to antimelanoma antibody: a possible approach to the immunotherapy of human tumors. Lotze MT, et al. **J Surg Res** 1987 May;42(5):580–9

In vivo activation of nude mouse macrophages by human melanoma cells. Benomar A, et al. **JNCI** 1987 Jul; 79(1):131–6

Zoned immune suppression of lymph nodes draining malignant melanoma: histologic and immunohistologic studies. Cochran AJ, et al. **JNCI** 1987 Mar;78(3):399–405

Occurrence of tumor–associated ganglioside antigens with Hanganutziu–Deicher antigenic activity on human melanomas. Hirabayashi Y, et al. **Jpn J Cancer Res** 1987 Jun;78(6):614–20

Melanoma antigens as modified normal gene sequences. Bitterman P, et al. **Life Sci** 1987 Jun 8;40(23):2207–13 (30 ref.)

Difference in cell binding patterns of two monoclonal antibodies recognizing distinct epitopes on a human melanoma–associated oncofetal antigen. Liao SK, et al. **Mol Immunol** 1987 Jan;24(1):1–9

Radioimmunoimaging in malignant melanoma patients with the use of indium–111–labeled antimelanoma monoclonal antibody (ZME–018) to high–molecular–weight antigen. Murray JL, et al. **NCI Monogr** 1987;(3):3–9

Use of new heterobifunctional reagent for radiometallic labeling of antibodies. Wang TS, et al. **NCI Monogr** 1987; (3):145–8

Antiimmunoglobulins of rheumatoid factor (RF) type in prediction of melanoma patients. Lochman I, et al. **Neoplasma** 1986;33(6):737–41

Lymphokine–activated killer cells targeted by monoclonal antibodies to the disialogangliosides GD2 and GD3 specifically lyse human tumor cells of neuroectodermal origin. Honsik CJ, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7893–7

Induction of cytotoxicity in resting human T lymphocytes bound to tumor cells by antibody heteroconjugates. Jung G, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4611–5

Vaccines containing purified GM2 ganglioside elicit GM2 antibodies in melanoma patients. Livingston PO, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2911–5

Monoclonal antibody to an intracellular antigen images human melanoma transplants in nu/nu mice. Welt S, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4200–4

Cell–surface antigens of melanoma recognized by human monoclonal antibodies. Yamaguchi H, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2416–20

Long–term effect of levamisole on the immune functions in melanoma patients. Joensuu H, et al. **Strahlenther Onkol** 1986 Dec;162(12):753–6

[Immunological aspects of malignant melanomas of the choroid] Le Hoang P. **Bull Soc Ophtalmol Fr** 1986 Nov; Spec No:143–51 **(Fre)**

[Determination of T4 and T8 lymphocytes in malignant melanoma of the choroid and their significance in diagnosis] Dieckhues B, et al. **Fortschr Ophthalmol** 1986;83(4):480–2 (Eng. Abstr.) **(Ger)**

[Attempts to produce human monoclonal antibodies to melanoma using the cervical lymph nodes] Wilmes E, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Mar;66(3):144–8 (Eng. Abstr.) **(Ger)**

[Decrease in immunoreactivity in melanoma. Analysis of DNCB tests in the literature] Remy W, et al. **Z Hautkr** 1986 Dec 15;61(24):1767–77 (Eng. Abstr.) **(Ger)**

[Detection of antibodies to melanoma cells in vitiligo by 125I–labeled SpA antibody binding assay] Mori N, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Jul;96(8):835–8 **(Jpn)**

[Immunochemical analysis of two M components (IgG–kappa, IgM–kappa) in a patient with malignant melanoma] Okumura J, et al. **Rinsho Byori** 1986 Sep; 34(9):1045–8 **(Jpn)**

[Mouse melanoma antigen. Its immunological properties, partial structure and genes] Taniguchi M, et al. **Yakugaku Zasshi** 1986 Dec;106(12):1084–91 (Eng. Abstr.) **(Jpn)**

[Cytotoxicity of the lymphocytes of melanoma patients against autologous tumor cells and its in vitro enhancement] Bykovskaia SN, et al. **Biull Eksp Biol Med** 1987 Jan; 103(1):86–9 (Eng. Abstr.) **(Rus)**

[Study of the lymphocyte blast transformation reaction as a criterion of prognosis in the outcome of treatment of uveal melanoblastomas] Kotelianskii EO. **Oftalmol Zh** 1986; (7):407–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Dopaquinone addition products in cultured human melanoma cells. Carstam R, et al. **Acta Derm Venereol (Stockh)** 1987; 67(2):100–5

Tumor localization of the metabolically trapped radiolabeled substrates 2–deoxy–D–glucose and aminocyclopentanecarboxylic acid in human melanoma heterotransplants. Conti PS, et al. **Am J Clin Oncol** 1986 Dec;9(6):537–40

In situ melanin assay for MSH using mouse B16 melanoma cells in culture. Siegrist W, et al. **Anal Biochem** 1986 Nov 15;159(1):191–7

Melphalan–induced DNA cross–linking in human melanoma cells and phytohaemagglutinin–stimulated lymphocytes in relation to intracellular drug content and cellular levels of glutathione. Hansson J, et al. **Anticancer Res** 1987 Jan–Feb;7(1):97–104

Glycosylation characteristics of pigmentation–associated antigen (GP75): an intracellular glycoprotein of human melanocytes and malignant melanomas. Roux L, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):87–96

Estrogen receptors in malignant melanoma [letter] Delarue JC, et al. **Arch Dermatol** 1987 Feb;123(2):159–60

Absence of estrogen receptor in human melanoma as evaluated by a monoclonal antiestrogen receptor antibody. Flowers JL, et al. **Arch Dermatol** 1987 Jun;123(6):764–5

Accumulation of chlorpromazine and thiouracil by human melanoma cells in culture. Parsons PG, et al. **Aust J Exp Biol Med Sci** 1986 Dec;64 (Pt 6):517–26

Inhibition of poly(ADP–ribose) synthetase potentiates cell dacarbazine cytotoxicity. Lönn U, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):1089–94

Phosphorylated isomers of L–dopa stimulate MSH binding capacity and responsiveness to MSH in cultured melanoma cells. McLane J, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):719–25

A novel technique for measuring human tissue pO2 at the cellular level. Urtasun RC, et al. **Br J Cancer** 1986 Sep; 54(3):453–7

A comparison of the tumour concentrations obtainable with misonidazole and Ro 03–8799. Dische S, et al. **Br J Radiol** 1986 Sep;59(705):911–7

Comparative clinical pharmacology of [111In]–labeled murine monoclonal antibodies. Rosenblum MG, et al. **Cancer Chemother Pharmacol** 1987;20(1):41–7

Biochemical analysis of the effects of 1,3–bis(2–chloroethyl)–1–nitrosourea on the growth of a human melanoma cell line. Grimmond HE, et al. **Cancer Lett** 1987 Aug;36(2):131–7

Differences between the F10, BL6 and F1 sublines of the B16 melanoma in the enhancement of plasminogen activator and plasminogen activator inhibitor secretion by phorbol myristate acetate. Hart DA, et al. **Cancer Lett** 1987 Apr;35(1):27–38

Modulation of polycation–induced redistribution of melanoma cell surface anionic macromolecules by retinoic acid. Marikovsky Y, et al. **Cancer Lett** 1987 Mar; 34(3):345–52

Laminin production by murine melanoma cells: possible involvement in cell motility. Fligiel SE, et al. **Clin Exp Metastasis** 1986 Oct–Dec;4(4):259–72

Characterization of the heat shock response in M–14 human melanoma cells continuously exposed to supranormal temperatures. Delpino A, et al. **Exp Mol Pathol** 1986 Oct; 45(2):128–41

GD2 ganglioside biosynthesis is a distinct biochemical event in human melanoma tumor progression. Thurin J, et al. **FEBS Lett** 1986 Nov 10;208(1):17–22

An analysis of the sensitivity and specificity of the cytokeratin marker CAM 5.2 for epithelial tumours. Results of a study of 203 sarcomas, 50 carcinomas and 28 malignant melanomas. Leader M, et al. **Histopathology** 1986 Dec; 10(12):1315–24

Endocytosis of immunoglobulin heavy and light chains by melanoma cells [letter] Montero C, et al. **Hum Pathol** 1987 Sep;18(9):970

Transformation–related changes in the expression of endogenous cell lectins. Raz A, et al. **Int J Cancer** 1987 Mar 15;39(3):353–60

Biological activity, binding, and metabolic fate of Ac–[Nle4, D–Phe7]alpha–MSH4–11NH2 with the F1 variant of B16 melanoma cells. Panasci LC, et al. **J Cell Physiol** 1987 Jul; 132(1):97–103

Purification of melanoma growth stimulatory activity. Richmond A, et al. **J Cell Physiol** 1986 Dec;129(3):375–84

Measuring S100 protein and neurone specific enolase in melanocytic tumours using video image analysis. Williams RA, et al. **J Clin Pathol** 1986 Oct;39(10):1096–8

A comparative study of Spitz nevus and nodular malignant melanoma using image analysis cytometry. LeBoit PE, et al. **J Invest Dermatol** 1987 Jun;88(6):753–7

Inhibition of melanization in human melanoma cells by a serotonin uptake inhibitor. McEwan M, et al. **J Invest Dermatol** 1987 Jul;89(1):82–6

Growth–inhibiting effect of crude pineal extracts on human melanoma cells in vitro is different from that of known synthetic pineal substances. Bartsch H, et al. **J Neural Transm** 1987;69(3–4):299–311

Expression of the cell adhesion molecules N–CAM and L1 in B16 melanoma cells. Linnemann D, et al. **Med Biol** 1986; 64(6):345–9

Enhancement of monoclonal antibody binding to melanoma with single dose radiation or hyperthermia. Stickney DR, et al. **NCI Monogr** 1987;(3):47–52

Biochemical markers of malignant melanoma. Matouš B, et al. **Neoplasma** 1987;34(1):77–84

Retinoic acid– and retinol binding proteins in melanomas and retinoblastomas. Daxecker F, et al. **Ophthalmologica** 1987; 194(2–3):126–7

Value of the S100 protein in the study of nevus and ocular melanomas. Garrido CM, et al. **Ophthalmologica** 1987; 194(4):201–3

Pigment deposition in the anterior segment caused by melanocytoma of the optic disc. Yamaguchi K, et al. **Ophthalmologica** 1987;194(4):191–3

Thrombin stimulates arachidonate metabolism in murine tumor cells. Lampugnani MG, et al. **Semin Thromb Hemost** 1986 Oct;12(4):291–3

Boron neutron capture radiography—perspectives in melanoma therapy. Larsson BS. **Ups J Med Sci** 1986; 91(3):263–8

Desmin: its value as a marker of muscle derived tumours using a commercial antibody. Leader M, et al. **Virchows Arch [A]** 1987;411(4):345–9

MORTALITY

Prior pregnancy and melanoma survival [letter] Bork K, et al. **Arch Dermatol** 1986 Oct;122(10):1097

Prognostic significance of hypopigmentation in malignant melanoma. Bystryn JC, et al. **Arch Dermatol** 1987 Aug; 123(8):1053–5

Death from uveal melanoma. Number of epithelioid cells and inverse SD of nucleolar area as prognostic factors. Seddon JM, et al. **Arch Ophthalmol** 1987 Jun;105(6):801–6

Lethality of human melanoma cells for normal mice immunosuppressed with cyclosporin A. Lockshin A. **Cancer Lett** 1987 May;35(2):159–66

Minimal deviation melanoma [letter] Vollmer RT. **Hum Pathol** 1987 Aug;18(8):869–70

Malignant melanoma in the elderly [letter] Lew R, et al. **J Clin Oncol** 1987 Jul;5(7):1129

Early metastatic patterns and survival in malignant melanoma. Nambisan RN, et al. **J Surg Oncol** 1987 Apr; 34(4):248–52

Trends in mortality from melanoma in Australia [letter] Armstrong BK, et al. **Med J Aust** 1987 Aug 3;147(3):150

Factors influencing the survival of patients with regional melanoma of the extremity treated by perfusion. Sutherland CM, et al. **Surg Gynecol Obstet** 1987 Feb;164(2):111–8

[Malignant melanoma—compared worldwide] Balch CM, et al. **Chirurg** 1986 Oct;57(10):601–5 **(Ger)**

[Epidemiology of malignant melanoma of the skin: an international comparison] Orfanos CE, et al. **Hautarzt** 1985; 36 Suppl 7:81–4 **(Ger)**

[Malignant melanoma: increase in incidence and mortality in West Germany] Garbe C, et al. **Z Hautkr** 1986 Dec 15;61(24):1751–64 (Eng. Abstr.) **(Ger)**

[Cutaneous melanoma at the Turin Melanoma Center. I. Survival and correlation with clinical and histologic prognostic factors in 502 patients in stage I (1975–1985)] Bernengo MG, et al. **G Ital Dermatol Venereol** 1986 Sep–Oct;121(5):311–26 (Eng. Abstr.) **(Ita)**

[Primary melanoma of the skin] Khasanov ShR. **Khirurgiia (Mosk)** 1987 Apr;(4):108–12 (Eng. Abstr.) **(Rus)**

[Melanoma of the skin and pregnancy] Trapeznikov NN, et al. **Vopr Onkol** 1987;33(6):40–6 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Seasonal variation in the incidence of cutaneous malignant melanoma: an analysis by body site and histologic type. Schwartz SM, et al. **Am J Epidemiol** 1987 Jul;126(1):104–11

Incidence of malignant melanoma in Central Hesse, Germany. Rauh M, et al. **Anticancer Res** 1987 May–Jun; 7(3 Pt B):447–8

Possible association between malignant melanoma and breast cancer [letter] Koh HK, et al. **Arch Dermatol** 1987 Jun; 123(6):712–3

Increasing incidence of trunk melanoma in young Danish women [letter] Osterlind A, et al. **Br J Cancer** 1987 Apr; 55(4):467

Malignant melanoma and the Scottish Melanoma Group. Hunter JA, et al. **Health Bull (Edinb)** 1986 Sep;44(5):302–8

Trends in incidence of ocular malignant melanoma in Denmark 1943–1982. Osterlind A. **Int J Cancer** 1987 Aug 15;40(2):161–4

Melanoma/skin cancer screening in Michigan. Field SI. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):578–83

Frequency of moles as a key to melanoma incidence? Rampen FH, et al. **J Am Acad Dermatol** 1986 Dec;15(6):1200–3

Dermatological screening. Emmett EA. **J Occup Med** 1986 Oct;28(10):1045–50

Unusual moles play leading role in new strategies for predicting and preventing malignant melanoma [news] Goldsmith MF. **JAMA** 1987 Feb 20;257(7):894–5

Melanoma surveillance and earlier diagnosis [letter] Schneider JS, et al. **Lancet** 1987 Jun 20;1(8547):1435

Primary malignant melanoma of the vagina: a report of seven cases. Liu LY, et al. **Obstet Gynecol** 1987 Oct;70(4):569–72

The possible effect of increased surveillance on the incidence of malignant melanoma. Hiatt RA, et al. **Prev Med** 1986 Nov;15(6):652–60

[Clinico–histologic and statistical study on primary cutaneous melanomas (224) seen in 1984 and 1985] Zina G, et al. **G Ital Dermatol Venereol** 1987 May;122(5):219–24 (Eng. Abstr.) **(Ita)**

[Malignant mucosal melanomas of the head and neck—collective review from six cancer hospitals] Omura K, et al. **Gan No Rinsho** 1986 Oct;32(12):1511–8 (Eng. Abstr.) **(Jpn)**

[Malignant melanoma of the skin] Hove LM, et al. **Tidsskr Nor Laegeforen** 1987 Jan 10;107(1):17–9 (Eng. Abstr.) **(Nor)**

[Malignant melanoma of the skin in Norway. Have we failed in our information?] Magnus K. **Tidsskr Nor Laegeforen** 1986 Oct 10;106(28):2309–13, 2325 (Eng. Abstr.) **(Nor)**

[Evaluation of the incidence of malignant melanoma of the skin in the population of Warsaw 1973–1982] Gadomska H, et al. **Pediatr Pol** 1986 Aug;61(8):543–7 (Eng. Abstr.) **(Pol)**

[Melanoma of the rectum in late middle–aged patients] Bondar' GV, et al. **Klin Khir** 1987;(5):48 **(Rus)**

[Epidemiology of malignant melanoma] Kustov VI, et al. **Vopr Onkol** 1987;33(6):35–9 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Intraocular invasion of recurrent epibulbar malignant melanoma. Varga M, et al. **Acta Morphol Hung** 1986; 34(1–2):127–40

Malignant melanoma of the choroid in an infant with the dysplastic naevus syndrome. Jensen OA, et al. **Acta Ophthalmol (Copenh)** 1987 Feb;65(1):91–100

Caryometry of benign compound acquired naevi, Spitz epitheloid naevi and malignant melanomas. Lindholm C, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1986 Nov; 94(6):371–4

Accountability of pathologists. Ackerman AB. **Am J Dermatopathol** 1985 Aug;7(4):305–6

The fluorescence of melanocytic lesions. Temple–Camp CR, et al. **Am J Dermatopathol** 1986 Aug;8(4):290–4

Angioimmunoblastic lymphadenopathy with malignant transformation during long–term remission of ocular melanoma. Archimbaud E, et al. **Am J Med** 1987 Mar; 82(3):557–9

Prognostic factors in patients with regional cervical nodal metastases from cutaneous malignant melanoma. Singletary SE, et al. **Am J Surg** 1986 Oct;152(4):371–5

Primary malignant melanoma of the esophagus. DiCostanzo DP, et al. **Am J Surg Pathol** 1987 Jan;11(1):46–52

Vitreous histocytology of primary choroidal malignant melanoma. Traboulsi EI, et al. **Ann Ophthalmol** 1987 Feb; 19(2):45–7

Identification of cell types in human melanoma cultures using a panel of morphological, cytochemical and immunological tests. Delcroix M, et al. **Anticancer Res** 1986 Nov–Dec; 6(6):1369–75

Satellite and in–transit (SIT) metastases from melanoma are more predominant in females than in males. Rampen FH, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):429–31

Two cases of spindle cell tumors studied by light microscopy, electron microscopy and immunohistochemistry. Steiner A, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):435–6

Dysplastic nevus in histologic contiguity with acquired nonfamilial melanoma. Clinicopathologic experience in a 100–bed hospital. Duray PH, et al. **Arch Dermatol** 1987 Jan;123(1):80–4

Malignant melanoma of mucous membranes. A clinicopathologic study of 13 cases in Japanese patients. Kato T, et al. **Arch Dermatol** 1987 Feb;123(2):216–20

Neurotropic Melanoma. A variant of desmoplastic melanoma. Kossard S, et al. **Arch Dermatol** 1987 Jul;123(7):907–12

Cutaneous thick melanoma. Prognosis and treatment. Schneebaum S, et al. **Arch Surg** 1987 Jun;122(6):707–11

Recurrent melanocytic naevi following partial removal (pseudomelanoma). Dymock RB, et al. **Australas J Dermatol** 1986 Aug;27(2):67–9

Growth stimulation of human melanocytes: identification and characterization of melanoma–derived melanocyte growth factor (M–McGF). Ogata S, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1204–11

Selective toxicity of deoxyadenosine analogues in human melanoma cell lines. Parsons PG, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):4025–9

An original method for submacroscopic metastases visualization in cases of cancer minimal residual disease. Le Pape A, et al. **Biomed Pharmacother** 1986;40(10):392–8

The anti–proliferative effect of lithium chloride on melanoma cells and its reversion by myo–inositol. Nordenberg J, et al. **Br J Cancer** 1987 Jan;55(1):41–6

Growth and radiosensitivity of malignant melanoma multicellular spheroids initiated directly from surgical specimens of tumours in man. Rofstad EK. **Br J Cancer** 1986 Oct;54(4):569–78

NK cell density in malignant skin tumours—a stereological study. Smolle J, et al. **Br J Dermatol** 1987 Jun;116(6):823–9

Neurotropic malignant melanoma of right temple with orbital metastasis: a clinicopathological case report. Khalil MK, et al. **Br J Ophthalmol** 1987 Jan;71(1):41–6

Intracranial extension of choroidal melanoma via the optic nerve. Shields CL, et al. **Br J Ophthalmol** 1987 Mar; 71(3):172–6

Cutaneous malignant melanoma in the young. Moss AL, et al. **Br J Plast Surg** 1986 Oct;39(4):537–41

Effect of rapid referral on thickness of melanomas. **Br Med J [Clin Res]** 1986 Sep 27;293(6550):790

Malignant melanoma [letter] **CA** 1986 Nov–Dec;36(6):370–3

Prognostic index for malignant melanoma. Kopf AW, et al. **Cancer** 1987 Mar 15;59(6):1236–41

Malignant melanoma of the penis and male urethra. Report of nine cases and review of the literature. Oldbring J, et al. **Cancer** 1987 Feb 1;59(3):581–7

Recruitment of exogenous macrophages into metastases at different stages of tumor growth. Bugelski PJ, et al. **Cancer Immunol Immunother** 1987;24(2):93–8

Antimetastatic effect of Lactobacillus casei YIT9018 (LC 9018) on a highly metastatic variant of B16 melanoma in C57BL/6J mice. Matsuzaki T, et al. **Cancer Immunol Immunother** 1987;24(2):99–105

An experimental model for studying the desmoplastic response to tumor invasion. Barsky SH, et al. **Cancer Lett** 1987 Jun;35(3):271–9

In vitro modulation of proliferation and melanization of S91 melanoma cells by prostaglandins. Abdel–Malek ZA, et al. **Cancer Res** 1987 Jun 15;47(12):3141–6

A rapid in vitro assay for quantitating the invasive potential of tumor cells. Albini A, et al. **Cancer Res** 1987 Jun 15; 47(12):3239–45

Glucocorticoid effect on melphalan cytotoxicity, cell–cycle position, cell size, and [3H]uridine incorporation in one of three human melanoma cell lines. Benckhuijsen C, et al. **Cancer Res** 1987 Sep 15;47(18):4814–20

Rapid growth of human cancer cells in a mouse model with fibrin clot subrenal capsule assay. Fingert HJ, et al. **Cancer Res** 1987 Jul 15;47(14):3824–9

Lysis by activated lymphocytes of melanoma and small cell lung cancer cells surviving in vitro treatment with mafosfamide. Gambacorti–Passerini C, et al. **Cancer Res** 1987 May 15;47(10):2547–52

Discrimination between benign and malignant cells of melanocytic lineage by two novel antigens, a glycoprotein with a molecular weight of 113,000 and a protein with a molecular weight of 76,000. Lehmann JM, et al. **Cancer Res** 1987 Feb 1;47(3):841–5

Growth inhibition of murine melanoma cells by antibodies to a cell surface glycoprotein implicated in retinoic acid action. Lotan R, et al. **Cancer Res** 1987 Jun 15; 47(12):3152–8

Plant–glycoside modulation of cell surface related to control of differentiation in cultured B16 melanoma cells. Ota T, et al. **Cancer Res** 1987 Jul 15;47(14):3863–7

Resistance of human melanoma cells against the cytotoxic and complement–enhancing activities of doxorubicin. Panneerselvam M, et al. **Cancer Res** 1987 Sep 1; 47(17):4601–7

Growth and metastasis of hamster melanoma following transplantation into athymic mice. Schleicher RL, et al. **Cancer Res** 1987 Aug 15;47(16):4465–70

Role of the thymus and T-cells in slow growth of B16 melanoma in old mice. Tsuda T, et al. **Cancer Res** 1987 Jun 15;47(12):3097–100

Metastatic potential of four human melanoma xenografts in young athymic mice following tail vein inoculation. Zimmerman RJ, et al. **Cancer Res** 1987 May 1; 47(9):2305–10

Implications of disaggregation procedures on biological representation of human solid tumours. Costa A, et al. **Cell Tissue Kinet** 1987 Mar;20(2):171–80

Primary malignant melanoma of the esophagus. Lautz HU, et al. **Endoscopy** 1986 Nov;18(6):240–2

Primary melanoma in the female distal urethra. Heslinga JM, et al. **Eur Urol** 1986;12(6):446–7

Differentiation apparently repressed by the nucleus. Rapidly-induced pigmentation of enucleated melanoma cells. Dexter TJ, et al. **Exp Cell Res** 1987 Jan;168(1):255–64

Actin in B16 melanoma cells of differing metastatic potential. Effects of trypsin and serum. Holme TC, et al. **Exp Cell Res** 1987 Apr;169(2):442–52

Primary malignant melanoma of the esophagus. Milman PJ. **Gastrointest Endosc** 1987 Feb;33(1):36–7

Malignant melanoma of prepuce: case report. Forrer JA, et al. **Genitourin Med** 1986 Dec;62(6):399–401

Tissue culture of human choroidal melanoma cells obtained by fine-needle aspiration biopsy. Schachat AP, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(5):407–13

A prognostic index for patients with malignant melanoma of the conjunctiva. Stefani FH. **Graefes Arch Clin Exp Ophthalmol** 1986;224(6):580–2

Spitz naevi and malignant melanomas of childhood and adolescence. Peters MS, et al. **Histopathology** 1986 Dec; 10(12):1289–302

Multiple melanomas associated with diffuse melanocytic dysplasia. Robertson I, et al. **Histopathology** 1987 Apr; 11(4):395–402

Primary malignant melanoma of the common bile duct. Carstens HB, et al. **Hum Pathol** 1986 Dec;17(12):1282–5

Malignant melanoma of conjunctiva following surgical excision of naevus. Betharia SM, et al. **Indian J Ophthalmol** 1985 Jul–Aug;33(4):259–61

Phenotypic profile of clones from early cultures of human metastatic melanomas and its modulation by recombinant interferon gamma. Anichini A, et al. **Int J Cancer** 1986 Oct 15;38(4):505–11

Effects of DL-alpha-difluoromethylornithine on the growth and metastasis of B16 melanoma in vivo. Kubota S, et al. **Int J Cancer** 1987 Feb 15;39(2):244–7

W-7, a calmodulin inhibitor, potentiates dacarbazine cytotoxicity in human neoplastic cells. Lönn U, et al. **Int J Cancer** 1987 May 15;39(5):638–42

Malignant melanoma of the vulva: a clinical-pathologic review of 16 cases. Benda JA, et al. **Int J Gynecol Pathol** 1986;5(3):202–16

Malignant melanoma of a parotid lymph gland. An unusual case. Pain JA, et al. **Int J Oral Maxillofac Surg** 1986 Oct; 15(5):645–7

Induction and repair of DNA lesions in cultured human melanoma cells exposed to a nitrogen-ion beam. Eguchi K, et al. **Int J Radiat Biol** 1987 Jul;52(1):115–23

RBE of a thermal neutron beam and the 10B(n, alpha)7Li reaction on cultured B-16 melanoma cells. Fukuda H, et al. **Int J Radiat Biol** 1987 Jan;51(1):167–75

Ocular and orbital metastasis of cutaneous melanomas. Oosterhuis JA, et al. **Int Ophthalmol** 1987 Jun;10(3):175–84

Cytotoxicity of combinations of prostaglandin D2 (PGD2) and antitumor drugs for B16 melanoma cells in culture. Bhuyan BK, et al. **Invest New Drugs** 1986;4(4):315–23

Desmoplastic melanoma of the penis [letter] Jorda E, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):619–20

Recurrent melanocytic nevi: clinical and histologic review of 175 cases. Park HK, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 1):285–92

Oral melanoma: report of case. Green TL, et al. **J Am Dent Assoc** 1986 Oct;113(4):627–9

Increased cytotoxicity of 1-(2-chloroethyl)-1-nitroso-3(4-methyl)-cyclohexylurea by pretreatment with O6-methylguanine in resistant but not in sensitive human melanoma cells. Dempke W, et al. **J Cancer Res Clin Oncol** 1987;113(4):387–91

Platelet thrombospondin mediates attachment and spreading of human melanoma cells. Roberts DD, et al. **J Cell Biol** 1987 Jan;104(1):131–9

Colcemid effects on B16 melanoma cell progression and aberrant mitotic division. Bhuyan BK, et al. **J Cell Physiol** 1987 Aug;132(2):237–45

Zinc-induced reduction in melphalan cytotoxicity: heterogeneity of response of cloned human tumor cells. Tobey RA, et al. **J Cell Physiol** 1987 May;131(2):235–9

Malignant melanoma in the elderly. Cohen HJ, et al. **J Clin Oncol** 1987 Jan;5(1):100–6

Desmoplastic cartilaginous formation in malignant melanoma [letter] Grunwald MH, et al. **J Cutan Pathol** 1987 Aug; 14(4):255

The association of basal cell carcinomas with other tumors. Coskey RJ, et al. **J Dermatol Surg Oncol** 1987 May; 13(5):553–5

Thickness of malignant melanoma: global analysis of related factors. Kopf AW, et al. **J Dermatol Surg Oncol** 1987 Apr; 13(4):345–90, 401–20

Primary malignant melanoma of the vermilion of the lower lip. Raderman D, et al. **J Dermatol Surg Oncol** 1986 Oct; 12(10):1106–10

Pregnancy and hormonal influences on malignant melanoma. Schwartz BK, et al. **J Dermatol Surg Oncol** 1987 Mar; 13(3):276–81

Four primary malignant tumors, including malignant melanoma and malignant lymphoma, in the same adult patient. Igisu K, et al. **J Dermatol (Tokyo)** 1987 Apr; 14(2):170–4

Phenotypic heterogeneity of melanoma. Relation to the differentiation program of melanoma cells. Houghton AN, et al. **J Exp Med** 1987 Mar 1;165(3):812–29

Digital volar amelanotic malignant melanoma in a child. Chapman P, et al. **J Hand Surg [Br]** 1987 Feb;12(1):117–9

Cytostatic and cytotoxic activity of tumor necrosis factor on human cancer cells. Ruggiero V, et al. **J Immunol** 1987 Apr 15;138(8):2711–7

Relative responsiveness of cultured human epidermal melanocytes and melanoma cells to selected mitogens. Gordon PR, et al. **J Invest Dermatol** 1986 Dec;87(6):723–7

Inhibition of transformation by levodopa-carbidopa in lymphocytes derived from patients with melanoma. Wick MM. **J Invest Dermatol** 1987 May;88(5):535–7

The cytotoxicity of cysteinylcatechols and related compounds to human melanoma cells in vitro. Yamada I, et al. **J Invest Dermatol** 1987 May;88(5):538–40

Primary melanomas of the central nervous system [letter] Savitz MH. **J Neurosurg** 1987 Jun;66(6):948

Neurotropic melanoma of the lower lip. McGinnis JP Jr, et al. **J Oral Pathol** 1986 Sep;15(8):445–9

Melanoma of the vulva. Baltzer J, et al. **J Reprod Med** 1986 Sep;31(9):825–7

Melanoma of the vulva. The experience at Buenos Aires University. Itala J, et al. **J Reprod Med** 1986 Sep; 31(9):836–8

Subungual melanoma: a 25-year review of cases. Daly JM, et al. **J Surg Oncol** 1987 Jun;35(2):107–12

Changes in survival with clinical stage I malignant melanoma. Karakousis CP, et al. **J Surg Oncol** 1987 Mar;34(3):155–9

Nail-bed melanoma. Klausner JM, et al. **J Surg Oncol** 1987 Mar;34(3):208–10

Cellular blue nevus simulating metastatic melanoma: report of an unusually large lesion associated with nevus-cell aggregates in regional lymph nodes. Sterchi JM, et al. **J Surg Oncol** 1987 Sep;36(1):71–5

Different deficiencies in the prevention of tumorigenic-low-metastatic murine K-1735b melanoma cells from producing metastases. Aukerman SL, et al. **JNCI** 1986 Oct;77(4):915–24

Identification of fibroblastoid cell type in human melanoma cultures [letter] Delcroix M, et al. **JNCI** 1986 Nov; 77(5):1171

Human melanoma cell lines showing striking inherent differences in sensitivity to immunotoxins containing holotoxins. Godal A, et al. **JNCI** 1986 Dec;77(6):1247–53

Biology of tumor progression in human melanocytes. Herlyn M, et al. **Lab Invest** 1987 May;56(5):461–74 (135 ref.)

Early or low-grade melanoma? [letter] Retsas S. **Lancet** 1987 Aug 1;2(8553):276–7

The diagnostic dilemma of subungual melanoma [letter] Fernando SS, et al. **Med J Aust** 1987 Mar 16;146(6):325

Measurement of the effect of interferons on cellular differentiation in murine and human melanoma cells. Fisher PB, et al. **Methods Enzymol** 1986;119:611–8

In vitro and in vivo enhancement of vincristine antitumor activity on B16 melanoma cells by calcium antagonist flunarizine. Bellelli A, et al. **Oncology** 1987;44(1):17–23

Malignant melanoma of the skin. Changing clinical stage at presentation, 1955–1979. Hove LM, et al. **Oncology** 1987; 44(3):156–8

Superficial spreading malignant melanoma with neurosarcomatous metastasis. Nyong'o AO, et al. **Pathology** 1986 Oct;18(4):473–7

Small and giant congenital melanocytic nevi as precursors to melanoma in children and adults. Illig L. **Pediatr Pol** 1986 Aug;61(8):475–83

Problems of melanoma developing from common acquired nevi. Paul E. **Pediatr Pol** 1986 Aug;61(8):491–9

Predictive value of staging investigations in patients with clinical stage I malignant melanoma. Iscoe N, et al. **Plast Reconstr Surg** 1987 Aug;80(2):233–9

Regulation of cell shape in the Cloudman melanoma cell line. Preston SF, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(15):5247–51

Acral lentiginous malignant melanoma. Case report. Jakobsson OP, et al. **Scand J Plast Reconstr Surg** 1986; 20(3):323–6

In vitro effects of 2,5 hexanedione on a melanoma cell line: a morphological study. Malorni W, et al. **Toxicology** 1987 Mar;43(3):269–82

Malignant melanoma over a fifty-year period: a histological evaluation. Walsh MY, et al. **Ulster Med J** 1986 Oct; 55(2):118–23

Metastatic malignant melanoma of the kidney. Case report and review of the literature. Bolkier M, et al. **Urol Int** 1986;41(4):307–8

Immunohistological analysis of the lymphoid infiltrate in cutaneous malignant melanomas. Ralfkiaer E, et al. **Virchows Arch [A]** 1987;410(4):355–61

Melanoma in situ (MIS) adjacent to an invasive nodular melanoma ("SSM/NM") and its metastases--DNA-cytophotometry, mitotic index, and anisokaryosis. Schmiegelow P, et al. **Virchows Arch [A]** 1987;411(3):213–21

[Discovery and demonstration of the tumor growth inhibitor derived from human fibroblast-like cell lines] Wu KF, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1987 Feb;9(1):1–6 (Eng. Abstr.) **(Chi)**

[Partial purification and characterization of the tumor growth inhibitor derived from human fibroblast-like cell lines] Wu KF, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1987 Feb; 9(1):7–12 (Eng. Abstr.) **(Chi)**

[Nevus on nevus. Apropos of 7 case reports, 3 of them associated with other dysplasias, and 1 with an invasive malignant melanoma] Brufau C, et al. **Ann Dermatol Venereol** 1986;113(5):409–18 (Eng. Abstr.) **(Fre)**

[Malignant melanoma in children and adolescents. Apropos of 37 cases] Sellami M, et al. **Bull Cancer (Paris)** 1986; 73(1):2–7 (Eng. Abstr.) **(Fre)**

[Malignant melanoma of the penis associated with other types of melanosis. Apropos of an isolated case] Lozano JL, et al. **J Urol (Paris)** 1986;92(6):365–8 (Eng. Abstr.) **(Fre)**

[Melanoma in gynecology] Musfeld D, et al. **Geburtshilfe Frauenheilkd** 1986 Dec;46(12):857–62 (Eng. Abstr.) **(Ger)**

[Generalized melanosis of macro- and microphages in metastasizing melanoma] Laissue JA, et al. **Hautarzt** 1987 Apr;38(4):232–4 (Eng. Abstr.) **(Ger)**

[Intraocular ossification in clinically unsuspected malignant melanoma of the uvea and in phthisis bulbi] Henke V, et al. **Klin Monatsbl Augenheilkd** 1986 Sep;189(3):243–6 (Eng. Abstr.) **(Ger)**

[S-100 protein in non-pigmented melanocytic and neuro-ectodermal tumors of the conjunctiva] Holbach L, et al. **Klin Monatsbl Augenheilkd** 1987 Feb;190(2):105–8 (Eng. Abstr.) **(Ger)**

[Immunohistologic markers in the diagnosis and prognosis of malignant melanomas] Suter L, et al. **Pathologe** 1987 May;8(3):163–7 **(Ger)**

[Description of neurocutaneous melanoblastosis] Bernstein K, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Oct; 38(10):597–605 (Eng. Abstr.) **(Ger)**

[An extremely malignant uveal melanoma] Krahe T, et al. **Rontgenblatter** 1987 Mar;40(3):87–9 (Eng. Abstr.) **(Ger)**

[Primary malignant melanoma of the esophagus] Woodtli W, et al. **Schweiz Rundsch Med Prax** 1987 Jan 6;76(1–2):28–30 (Eng. Abstr.) **(Ger)**

[Effect of combined treatment with cisplatin and irradiation on the survival of human melanoma cells] Ziegler W. **Strahlenther Onkol** 1986 Aug;162(8):514–8 (Eng. Abstr.) **(Ger)**

[Melanoma precursors--risk nevi] Pehamberger H. **Wien Klin Wochenschr** 1987 Jun 26;99(13):441–5 (13 ref.) **(Ger)**

[Macrophotographic correlates of the histology of precursor nevi and SSM in relation to the McGovern model] Haas N, et al. **Z Hautkr** 1986 Nov 1;61(21):1535–42 (Eng. Abstr.) **(Ger)**

[Malignant melanoma of the breast] Schmidt KU, et al. **Z Hautkr** 1986 Dec 15;61(24):1778–86 (Eng. Abstr.) **(Ger)**

[Carcinoma of the left breast, malignant melanoma (clinical conference)] **Harefuah** 1987 Apr 1;112(7):365–9 **(Heb)**

[The early detection of cutaneous malignant melanoma] Klausner J, et al. **Harefuah** 1987 Mar 15;112(6):281–4 (35 ref.) **(Heb)**

[Inhibition of growth of human melanoma cells and enhancement of alkaline phosphatase activity by butyric acid] Nordenberg J, et al. **Harefuah** 1986 Jul;111(1–2):21–3 (Eng. Abstr.) **(Heb)**

[Cutaneous melanoma at the Turin Melanoma Center. II. Risk of metastasis and free interval in relation to the clinical and histological prognostic factors in 502 patients in stage I (1975–1985)] Bernengo MG, et al. **G Ital Dermatol Venereol** 1987 Apr;122(4):143–53 (Eng. Abstr.) **(Ita)**

[Early diagnosis of cutaneous melanoma and its precursors. Importance of the clinical characteristics of thin melanoma] Cristofolini M, et al. **Minerva Med** 1986 Sep 29; 77(37):1673–8 (Eng. Abstr.) **(Ita)**

[Primary melanoma of the vagina. Description of a case and review of the literature] Sidoni A. **Pathologica** 1986 May-Jun;78(1055):393–9 (Eng. Abstr.) **(Ita)**

[Precursors of cutaneous melanoma. Background and up-date of dysplastic nevus] Urso C, et al. **Recenti Prog Med** 1986 Nov;77(11):541–6 (32 ref.) (Eng. Abstr.) **(Ita)**

[Primary malignant melanoma of the esophagus] Kato N, et al. **Gan No Rinsho** 1986 Sep;32(11):1459–65 (Eng. Abstr.) **(Jpn)**

[Fourteen cases of mucosal melanomas of the oral cavity] Notani K, et al. **Gan No Rinsho** 1987 Feb;33(2):129–37 (Eng. Abstr.) **(Jpn)**

[A case of malignant melanoma, axillary lymph node metastasis proved by fine needle aspiration biopsy cytology] Shinozaki N, et al. **Gan No Rinsho** 1987 Apr; 33(4):438–41 (Eng. Abstr.) **(Jpn)**

[Tumor-infiltrating lymphocytes from human metastatic melanoma] Itoh K. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2119–26 (Eng. Abstr.) **(Jpn)**

[Metastatic malignant melanoma of the urinary bladder: a

case report] Irisawa C, et al. **Hinyokika Kiyo** 1987 Mar; 33(3):424–7 (Eng. Abstr.) **(Jpn)**

[Primary malignant melanoma of the female urethra: a case report] Kajikawa H, et al. **Hinyokika Kiyo** 1987 Jan; 33(1):97–100 (Eng. Abstr.) **(Jpn)**

[A study on the augmentation of experimental tumor metastasis in mice with granulocytosis] Ishikawa M. **Hokkaido Igaku Zasshi** 1987 Mar;62(2):269–78 (Eng. Abstr.) **(Jpn)**

[A case of dysplastic nevi associated with nodular melanoma. II. Electron microscopic observations] Sato S, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Oct;96(11):1157–66 **(Jpn)**

[A case of dysplastic nevi associated with cutaneous malignant melanoma. I. Case report] Yanagisawa H, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Oct;96(11):1151–6 **(Jpn)**

[Radiation biology of malignant melanoma acta] Anazawa M, et al. **Rinsho Hoshasen** 1987 Mar;32(3):421–9 **(Jpn)**

[Malignant melanoma—amelanotic type] Akslen LA, et al. **Tidsskr Nor Laegeforen** 1987 Feb 10;107(4):371–2 (Eng. Abstr.) **(Nor)**

[Malignant melanoma in the pediatric data of the Laboratory of Pathomorphology at the Institute of Mother and Child] Liebhart M. **Pediatr Pol** 1986 Aug;61(8):506–10 (Eng. Abstr.) **(Pol)**

[Juvenile melanoma (Spitz nevus) in children and adolescents (6 years' data of the Laboratory of Pathomorphology at the Institute of Mother and Child] Liebhart M. **Pediatr Pol** 1986 Aug;61(8):500–5 (Eng. Abstr.) **(Pol)**

[Preoperative cytologic diagnosis of malignant melanoma of the skin] Strokowska M, et al. **Pediatr Pol** 1986 Aug; 61(8):511–20 (Eng. Abstr.) **(Pol)**

[Malignant melanoma (review of 68 cases)] Sittart JA, et al. **Med Cutan Ibero Lat Am** 1986;14(6):391–6 (Eng. Abstr.) **(Por)**

[Melanocytic schwannoma] Sokolova IN, et al. **Arkh Patol** 1986;48(12):57–63 (Eng. Abstr.) **(Rus)**

[Effect of clinical signs of disease on the prognosis in melanoma of the skin in clinical stage I] Trapeznikov NN, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):104–8 (Eng. Abstr.) **(Rus)**

[Primary malignant melanoma of the small intestine] Verevka VS, et al. **Klin Khir** 1987;(2):40 **(Rus)**

[Morphologic and biologic features of neoplasms of the melanogenous system of the iris] Vit VV. **Oftalmol Zh** 1987; (3):191–2 **(Rus)**

[A case of melanoma with localization on the sole of the foot] Kashchenko VB. **Vestn Dermatol Venerol** 1987; (2):61–3 (Eng. Abstr.) **(Rus)**

[Relation between the prognosis of skin melanomas and the timing of appearance of regional metastases] Vagner RI, et al. **Vopr Onkol** 1986;32(10):21–5 (Eng. Abstr.) **(Rus)**

[Primary malignant melanomatosis of the brain meninges] Parkhomenko VM, et al. **Vrach Delo** 1987 Apr;(4):87–9 **(Rus)**

[Implications of the clinico-pathological types, levels of invasion and maximum thickness of tumors] Rodríguez-Martínez HA. **Gac Med Mex** 1985 Nov–Dec; 121(11–12):321–6 **(Spa)**

[Malignant melanoma in Spain. Cooperative clinicopathologic study of 513 cases] Conde JM, et al. **Med Clin (Barc)** 1987 Apr 11;88(14):525–8 (Eng. Abstr.) **(Spa)**

[Giant hamartomatous nevus of undescribed complexity (development of an infiltrating malignant melanoma)] Kaplan H, et al. **Med Cutan Ibero Lat Am** 1986;14(6):413–20 (Eng. Abstr.) **(Spa)**

[A simple method for measuring the thickness of cutaneous melanomas] Piva AE, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1985;43(2):35–6 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Computerized visual field and choroidal malignant melanoma. Debbi S, et al. **Ann Ophthalmol** 1987 Jun; 19(6):231–5

What is the role of angiogenesis in metastasis from cutaneous melanoma? Folkman J. **Eur J Cancer Clin Oncol** 1987 Apr; 23(4):361–3 (17 ref.)

Primary spinal melanoma. Larson TC 3d, et al. **J Neurosurg** 1987 Jan;66(1):47–9

Melatonin, thymic serum factor, and cortisol levels in healthy subjects of different age and patients with skin melanoma. Grinevich YA, et al. **J Pineal Res** 1986;3(3):263–75

Development of thermotolerance in HMV-I human malignant melanoma cells grown in vitro as multicellular spheroids. Kubota N, et al. **J Radiat Res (Tokyo)** 1986 Dec; 27(4):352–61

Acceleration of B16 melanoma growth in mice after blood transfusion. Francis DM, et al. **Surgery** 1987 Sep; 102(3):485–92

[Surveillance of nonenucleated choroidal melanoma] François P, et al. **Bull Soc Ophtalmol Fr** 1986 Feb; 86(2):213–5 (Eng. Abstr.) **(Fre)**

[Hormonal function of the thymus in malignant melanoma of the skin; the interrelation with immune system disorders] Grinevich IuA, et al. **Vopr Onkol** 1987;33(6):46–52 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

The outdoor worker. The target of National Skin Cancer Awareness Week, 1986. Marks R. **Aust Fam Physician** 1986 Nov;15(11):1406

The antimetastatic activity of enkephalin-like peptides. Scholar EM, et al. **Cancer Lett** 1987 May;35(2):133–8

Melanoma/skin cancer screening program in a private office setting [letter] Fixler ZC. **J Am Acad Dermatol** 1987 Mar; 16(3 Pt 1):634–5

Skin cancer screening—a local experience. Olsen TG, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):637–41

RADIOGRAPHY

Clear cell sarcoma of tendons and aponeuroses (malignant melanoma of soft parts) with unusual roentgenologic findings. Case report. Morishita S, et al. **Clin Orthop** 1987 Mar;(216):276–9

Liver metastasis detection: comparative sensitivities of MR imaging and CT scanning. Reinig JW, et al. **Radiology** 1987 Jan;162(1 Pt 1):43–7

Malignant melanoma: correlating abdominal and pelvic CT with clinical staging. Shirkhoda A, et al. **Radiology** 1987 Oct;165(1):75–8

Detection of adrenal melanoma with computed tomography. Parker LA, et al. **Urol Radiol** 1986;8(4):209–10

RADIONUCLIDE IMAGING

Immunoscintigraphy with 99mTc labelled F(ab')2 fragments of an anti melanoma monoclonal antibody (225.28S) in patients with metastatic malignant melanoma. Cerny T, et al. **Eur J Nucl Med** 1987;13(3):130–3

Tumor imaging with carbon-11 labeled alpha-aminoisobutyric acid (AIB) in a patient with advanced malignant melanoma. Conti PS, et al. **Eur J Nucl Med** 1986;12(7):353–6

Localization of melanoma with radiolabelled monoclonal antibody fragments and iodoamphetamine. Liewendahl K, et al. **Eur J Nucl Med** 1986;12(7):359–62

Radioimmunodetection of human melanoma tumor xenografts with human monoclonal antibodies. Gomibuchi M, et al. **Int J Rad Appl Instrum [B]** 1986;13(1):13–9

Improved immunoscintigraphy by subcutaneous injection of 99mTc or 111In labelled F(ab')2 fragments of an anti-melanoma monoclonal antibody. Paganelli G, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):423–8

Technetium antimony sulfur colloid scintiscan in selective lymph node dissection for malignant melanoma. Doss LL, et al. **J Dermatol Surg Oncol** 1986 Dec;12(12):1280–4

The impact of intradermal lymphoscintigraphy on surgical management of clinical stage I truncal malignant melanoma. Kramer EL, et al. **J Dermatol Surg Oncol** 1987 May;13(5):508–15

Inhibition of gallium-67 uptake in melanoma by an anti-human transferrin receptor monoclonal antibody. Chan SM, et al. **J Nucl Med** 1987 Aug;28(8):1303–7

Comparison of gallium-67 versus indium-111 monoclonal antibody (96.5, ZME-018) in detection of human melanoma in athymic mice. Chan SM, et al. **J Nucl Med** 1987 Sep; 28(9):1441–6

Preliminary studies of monoclonal antibody lymphoscintigraphy in malignant melanoma. Nelp WB, et al. **J Nucl Med** 1987 Jan;28(1):34–41

Detection of melanomas in vivo with indium-111 monoclonal antibody [letter] Spencer RP. **J Nucl Med** 1987 Jun; 28(6):1063–4

Radioimmunodetection of human melanoma with indium-111-labeled monoclonal antibodies. Taylor A Jr, et al. **NCI Monogr** 1987;(3):25–31

Gallium-67 citrate in the detection of ocular malignant melanoma [letter] Camps JA, et al. **Nucl Med Commun** 1987 Jan;8(1):62

Radio-iodine-labelled 5-iodo-2-thiouracil: a potential radiopharmaceutical for establishing the viability of ocular melanoma after radiation therapy. Franken NA, et al. **Nucl Med Commun** 1986 Nov;7(11):797–809

Radioimmunodetection of malignant melanoma with the 225.28S monoclonal antibody to HMW-MAA. Buraggi GL. **Nuklearmedizin** 1986 Dec;25(6):220–4

Scintimetric detection of choroidal malignant melanoma with [123I]-5-iodo-2-thiouracil. Franken NA, et al. **Ophthalmologica** 1986;193(4):248–54

Phase 1 immunolymphoscintigraphy with an In-111-labeled antimelanoma monoclonal antibody. Engelstad BL, et al. **Radiology** 1986 Nov;161(2):419–22

[Use of isotopes in the diagnosis of choroid melanomas] Desjardins L. **Bull Soc Ophtalmol Fr** 1986 Nov;Spec No:153–63 **(Fre)**

[Immunoscintigraphy with a technetium 99m-labeled monoclonal antibody in patients with melanoma] Dudczak R, et al. **Wien Klin Wochenschr** 1987 Apr 3;99(7):232–9 (Eng. Abstr.) **(Ger)**

[Clinical trials of melanoma imaging with In-111-labeled monoclonal antibody 96.5] Oyamada H, et al. **Kaku Igaku** 1986 Nov;23(11):1595–611 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Effects of roentgen irradiation on human melanoma metastases in the skin. Salmi R, et al. **Acta Oncol** 1987 Jan–Feb;26(1):37–40

Results after beta-irradiation (106Ru/106Rh) of choroidal melanomas. Twenty years' experience. Lommatzsch PK. **Am J Clin Oncol** 1987 Apr;10(2):146–51

A technique for accurate placement of episcleral iodine-125 plaques. Robertson DM, et al. **Am J Ophthalmol** 1987 Jan 15;103(1):63–5

Radiotherapy for choroidal melanoma. An 18-year experience with radon. Davidorf FH, et al. **Arch Ophthalmol** 1987 Mar;105(3):352–5

Selection of iodine 125 for the Collaborative Ocular Melanoma Study. Earle J, et al. **Arch Ophthalmol** 1987 Jun; 105(6):763–4

Reduction of enucleation-induced metastasis in intraocular melanoma by periorbital irradiation. Sanborn GE, et al. **Arch Ophthalmol** 1987 Sep;105(9):1260–4

Results after beta-irradiation (106Ru/106Rh) of choroidal melanomas: 20 years' experience. Lommatzsch PK. **Br J Ophthalmol** 1986 Nov;70(11):844–51

Is irradiation a justifiable treatment of choroidal melanoma? Analysis of published results. Manschot WA, et al. **Br J Ophthalmol** 1987 May;71(5):348–52

Radiation response of multicellular spheroids initiated from five human melanoma xenograft lines. Relationship to the radioresponsiveness in vivo. Rofstad EK, et al. **Br J Radiol** 1986 Oct;59(706):1023–9

Radiotherapy and hyperthermia. Analysis of clinical results and identification of prognostic variables. Arcangeli G, et al. **Cancer** 1987 Sep 1;60(5):950–6

Radiotherapy of choroidal malignant melanomas. Ammar F, et al. **Clin Radiol** 1987 Jan;38(1):21–3

Regression of posterior uveal malignant melanomas after cobalt plaque radiotherapy. Augsburger JJ, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(5):397–400

Results of high dose 106-ruthenium irradiation of choroidal melanomas. Müller RP, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1749–55

Use of the 90Sr applicator for intraoperative radiation therapy in a mouse tumor model. Hill HZ, et al. **J Surg Oncol** 1987 Apr;34(4):264–7

Monte Carlo dosimetry for 125I and 60Co in eye plaque therapy. Chiu-Tsao ST, et al. **Med Phys** 1986 Sep–Oct; 13(5):678–82

Histopathology of uveal melanomas treated with charged particle radiation. Crawford JB, et al. **Ophthalmology** 1987 Jun;94(6):639–43

Long-term results of proton beam irradiated uveal melanomas. Gragoudas ES, et al. **Ophthalmology** 1987 Apr; 94(4):349–53

Uveal melanomas near the optic disc or fovea. Visual results after proton beam irradiation. Seddon JM, et al. **Ophthalmology** 1987 Apr;94(4):354–61

Malignant melanoma: analysis of dose fractionation in radiation therapy. Konefal JB, et al. **Radiology** 1987 Sep; 164(3):607–10

Dose-rate effects in the radiation response of four human tumour xenografts. Kelland LR, et al. **Radiother Oncol** 1986 Nov;7(3):259–68

Radioresponsiveness of human melanoma xenografts given fractionated irradiation in vivo—relationship to the initial slope of the cell survival curves in vitro. Rofstad EK, et al. **Radiother Oncol** 1987 May;9(1):45–56

Radiation therapy for uveal melanomas involving the ciliary body. Char DH. **Trans Ophthalmol Soc UK** 1986;105 (Pt 2):252–6

[Malignant melanoma of the choroid treated by Stallard's disks (text of a film)] Bacin F, et al. **Bull Soc Ophtalmol Fr** 1985 Oct;85(10):1075–6 **(Fre)**

[Treatment of melanomas of the choroid with 106 Ru/106 Rh applicators. Preliminary results] Grange JD, et al. **Bull Soc Ophtalmol Fr** 1985 Dec;85(12):1333–7 (Eng. Abstr.) **(Fre)**

[Conservative treatment of malignant choroid melanoma by scleral applicators of ruthenium-106. First 25 French cases] Grange JD, et al. **Bull Soc Ophtalmol Fr** 1986 Apr; 86(4):523–6 **(Fre)**

[Ionizing radiation treatment of malignant melanomas] Haye C. **Bull Soc Ophtalmol Fr** 1986 Nov;Spec No:187–96 **(Fre)**

[Our 4-year experience in the treatment of malignant melanoma of the choroid] Vérin P, et al. **Bull Soc Ophtalmol Fr** 1986 Feb;86(2):217–8, 221 (Eng. Abstr.) **(Fre)**

[Radiotherapy of malignant melanoma] Scherer E, et al. **Chirurg** 1986 Oct;57(10):612–8 **(Ger)**

[Echographic evaluation of malignant melanoma of the uvea following ruthenium therapy] Kissinger A, et al. **Fortschr Ophthalmol** 1986;83(6):721–5 (Eng. Abstr.) **(Ger)**

[Choroid melanoma: analysis of published therapeutic results] Manschot WA, et al. **Fortschr Ophthalmol** 1987;84(2):183–6 (Eng. Abstr.) **(Ger)**

[Radiotherapy of malignant melanoma of the skin—a renaissance?] Panizzon R. **Hautarzt** 1986 Sep;37(9):481–4 (Eng. Abstr.) **(Ger)**

[Echocardiography findings before and following beta-irradiation (106Ru/106Rh) of choroid melanoma] Eichler C, et al. **Klin Monatsbl Augenheilkd** 1987 Jan; 190(1):17–20 (Eng. Abstr.) **(Ger)**

[10 years' experience with ruthenium 106/rhodium 106 treatment of malignant melanoma of the choroid—report on 264 irradiated tumors] Guthoff R, et al. **Klin Monatsbl Augenheilkd** 1986 Jun;188(6):576–83 (Eng.

Abstr.) (Ger)
[Treatment of choroid melanoma with a radioactive iodine 125 plaque: initial results of a pilot study] Kreissig I, et al. **Klin Monatsbl Augenheilkd** 1987 May;190(5):412–9 (Eng. Abstr.) (Ger)
[Optimization of irradiation time in the treatment of malignant melanoma of the choroid with beta applicators (106Ru/106Rh)] Lommatzsch PK, et al. **Klin Monatsbl Augenheilkd** 1986 Aug;189(2):133–40 (Eng. Abstr.) (Ger)
[Radiation therapy in malignant melanoma using accelerated fractionation. Remission and preliminary results of local tumor control] von Rottkay P. **Strahlenther Onkol** 1987 Mar;163(3):139–43 (Eng. Abstr.) (Ger)
[Effect of cisplatin on the recovery from sublethal and potentially lethal radiation damage in cell culture] Ziegler W. **Strahlenther Onkol** 1986 Dec;162(12):785–92 (Eng. Abstr.) (Ger)
[A case of primary melanoma of the nasal mucosa treated with high-fractionated doses of irradiation] Fijuth J. **Nowotwory** 1986 Jul–Sep;36(3):217–21 (Eng. Abstr.) (Pol)
[Proliferative activity and the efficacy of radiation therapy in melanoma and squamous-cell keratinizing cancer of the skin] Baiturina NM, et al. **Med Radiol (Mosk)** 1987 Mar; 32(3):14–8 (Eng. Abstr.) (Rus)
[Radiotherapy of malignant melanoma of the choroid with ruthenium-106 applicator gives good results] Seregard S, et al. **Lakartidningen** 1987 Jul 8;84(28–29):2339–40 (Eng. Abstr.) (Swe)

SECONDARY

Intramedullary spinal cord metastasis. A case report. Maiuri F, et al. **Acta Neurol (Napoli)** 1986 Aug;8(4):487–90
Fatal course of malignant melanoma during pregnancy with dissemination to the products of conception. Møller D, et al. **Acta Obstet Gynecol Scand** 1986;65(5):501–2
Aspiration cytology of cutaneous metastatic melanoma and epidermoid carcinoma of the penis. Piscioli F, et al. **Am J Dermatopathol** 1986 Dec;8(6):472–7
Brain metastases of an amelanotic melanoma as the primary manifestation in a 15-year old boy. Krüger J, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):437–9
Intracranial melanoma metastases: surgical treatment and follow-up of 18 patients. Neuss M, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):445–6
Metastasis from untreated uveal melanomas. Pach JM, et al. **Arch Ophthalmol** 1986 Nov;104(11):1624–5
Orbital involvement with desmoplastic melanoma. Shields JA, et al. **Br J Ophthalmol** 1987 Apr;71(4):279–84
Evidence that intravenously derived murine pulmonary melanoma metastases can originate from the expansion of a single tumor cell. Fidler IJ, et al. **Cancer Res** 1986 Oct; 46(10):5167–71
Suppression of B16 melanoma lung colonization by syngeneic monoclonal antibodies. Herd ZL. **Cancer Res** 1987 May 15;47(10):2696–703
Evidence that the process of murine melanoma metastasis is sequential and selective and contains stochastic elements. Price JE, et al. **Cancer Res** 1986 Oct;46(10):5172–8
Metastatic malignant melanoma presenting clinically as obstruction of the right ventricular inflow and outflow tracts. Characterization by magnetic resonance imaging. Emmot WW, et al. **Chest** 1987 Aug;92(2):362–4
The lack of correlation between experimental metastatic potential and platelet aggregating activity of B16 melanoma clones viewed in relation to tumor cell heterogeneity. Kimura AK, et al. **Clin Exp Metastasis** 1987 Apr–Jun; 5(2):125–33
Enhanced experimental metastatic capacity of a murine melanoma following pre-treatment with anticancer drugs. McMillan TJ, et al. **Clin Exp Metastasis** 1986 Oct–Dec; 4(4):285–92
Failure of orally administered RA233 to influence B16 melanoma growth or metastasis. Stackpole CW, et al. **Clin Exp Metastasis** 1987 Apr–Jun;5(2):165–80
Malignant melanoma cell lines selected in vitro for increased homotypic adhesion properties have increased experimental metastatic potential. Updyke TV, et al. **Clin Exp Metastasis** 1986 Oct–Dec;4(4):273–84
In vitro modulation of the metastatic phenotype. I. Analysis of differentiation forms of the B16 melanoma expressing Met-72 determinants and metastatic activity. Xiang JH, et al. **Clin Exp Metastasis** 1986 Oct–Dec;4(4):293–309
New primary malignant melanoma, epidermotropism and Indian-file arrangement of metastatic tumor cells in a case with intransit metastases of acral type of malignant melanoma. Kato T, et al. **Dermatologica** 1986;173(2):95–100
Obstructive jaundice due to an intraductal melanoma metastasis. Kohler B, et al. **Endoscopy** 1987 Mar;19(2):79–80
Brain metastases from malignant melanoma: conventional vs. high-dose-per-fraction radiotherapy. Ziegler JC, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1839–42
Ocular metastasis of in vivo and in vitro derived syngeneic murine melanoma. Harning R, et al. **Invest Ophthalmol Vis Sci** 1987 Sep;28(9):1599–604
Murine macrophage heparanase: inhibition and comparison with metastatic tumor cells. Savion N, et al. **J Cell Physiol** 1987 Jan;130(1):77–84
Scintigraphic detection of metastatic melanoma using indium 111/DTPA conjugated anti-gp240 antibody (ZME-018). Kirkwood JM, et al. **J Clin Oncol** 1987 Aug;5(8):1247–55
Clinical evaluation of recombinant interferon alfa-2a (Roferon-A) in metastatic melanoma using two different schedules [corrected; erratum to be published] Legha SS, et al. **J Clin Oncol** 1987 Aug;5(8):1240–6
Regional isolated limb perfusion of melanoma intransit metastases using mechlorethamine (nitrogen mustard). Shiu MH, et al. **J Clin Oncol** 1986 Dec;4(12):1819–26
Phase I trial of taxol given as a 24-hour infusion every 21 days: responses observed in metastatic melanoma. Wiernik PH, et al. **J Clin Oncol** 1987 Aug;5(8):1232–9
MR imaging of intracranial metastatic melanoma. Atlas SW, et al. **J Comput Assist Tomogr** 1987 Jul–Aug;11(4):577–82
Systemic activation of tumoricidal properties in mouse macrophages and inhibition of melanoma metastases by the oral administration of MTP-PE, a lipophilic muramyl dipeptide. Fidler IJ, et al. **J Immunol** 1987 Jun 15; 138(12):4509–14
The application of a microwave technique for the preparation of cell blocks from sputum. Kok LP, et al. **J Microsc** 1986 Nov;144 (Pt 2):193–9
Brain surface invasion and metastasis of murine malignant melanoma variants. Nicolson GL, et al. **J Neurooncol** 1987; 4(3):209–18
Clinical parameters related to optimal tumor localization of indium-111-labeled mouse antimelanoma monoclonal antibody ZME-018. Murray JL, et al. **J Nucl Med** 1987 Jan;28(1):25–33
Gastro-intestinal involvement with metastatic melanoma: clinical and pathological features. Blessing K, et al. **J R Coll Surg Edinb** 1986 Oct;31(5):293–5
Surgical approach to malignant melanoma in the gastrointestinal tract. Gutman M, et al. **J Surg Oncol** 1987 Sep;36(1):17–20
Metastatic melanoma of the gallbladder: a case report and review of the literature. Murphy MN, et al. **J Surg Oncol** 1987 Jan;34(1):68–72
Metastatic melanoma to the epididymis suspected on preoperative ultrasound. Anderson MW, et al. **JCU** 1986 Oct;14(8):644–6
Cutaneous malignant melanoma associated with gastrointestinal metastases. Rădulescu D. **Morphol Embryol (Bucur)** 1987 Apr–Jun;33(2):141–3
Superior sensitivity of computed tomographic scanning to magnetic resonance imaging in metastatic neoplasia: two case reports. Goldstein S, et al. **Neurosurgery** 1987 Jun; 20(6):959–62
Increased delivery of tumor-specific monoclonal antibodies to brain after osmotic blood-brain barrier modification in patients with melanoma metastatic to the central nervous system. Neuwelt EA, et al. **Neurosurgery** 1987 Jun; 20(6):885–95
Malignant melanoma metastatic to sphenoid bone with an unknown primary origin: report of a case with an immunohistochemical analysis of the infiltrating lymphocytes. Yamasaki T, et al. **Neurosurgery** 1987 Jul; 21(1):73–7
Malignant melanoma of the vulva: a case report of distal recurrence in a patient with a superficially invasive primary lesion. Bailet JW, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):515–7
Congenital neurocutaneous melanosis with metastatic orbital malignant melanoma. Ellis DS, et al. **Ophthalmology** 1986 Dec;93(12):1639–42
Cutaneous malignant melanoma and bilateral retinoblastomas: a case report and review of the literature. Ngo RS, et al. **Pediatr Pathol** 1986;6(2–3):227–32
Malignant melanoma involving the small bowel. Wilson BG, et al. **Postgrad Med J** 1986 May;62(727):355–7
Perineural tumor extension to the cavernous sinus from superficial facial carcinoma: CT manifestations. Woodruff WW Jr, et al. **Radiology** 1986 Nov;161(2):395–9
Orbital metastasis from cutaneous melanoma. Bond JB, et al. **South Med J** 1986 Nov;79(11):1439–42
Sequential treatment with interferon and chemotherapy of metastatic malignant melanoma. Total remission of cutaneous and visceral metastasis, but not of cerebral metastasis. Sulis E, et al. **Tumori** 1987 Feb 28;73(1):55–8
[Metastatic cancer of the endocardium] Xiong ZQ, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Sep;8(5):386–8 (Eng. Abstr.) (Chi)
[Recombinant leukocyte A interferon in metastasized malignant melanoma] Elsässer-Beile U, et al. **Dtsch Med Wochenschr** 1987 Mar 6;112(10):373–7 (Eng. Abstr.) (Ger)
[Gastrointestinal melanoma metastases in unknown primary tumor. A case report] Schmid A, et al. **Med Klin** 1986 Sep 12;81(18–19):623–4 (Ger)
[Hematogenous gastrointestinal metastases—limits of radiologic diagnosis] Krug B, et al. **Rontgenblatter** 1987 Mar;40(3):90–4 (Eng. Abstr.) (Ger)
[Pulmonary and pleural metastases in malignant melanoma] Wiebe T, et al. **Z Erkr Atmungsorgane** 1986; 167(1–2):145–51 (Eng. Abstr.) (Ger)
[Metastasis of a melanoma in the breast] Liszka G, et al. **Zentralbl Chir** 1986;111(15):935–7 (Ger)
[Unusual site of a late solitary abdominal metastasis of malignant melanoma] Willgeroth C, et al. **Zentralbl Chir** 1987;112(10):647–51 (Ger)
[Antimetastatic effect of batroxobin] Shibuya M, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 1):732–4 (Jpn)
[An operative case of mediastinal metastasis of primary pleural melanoma] Takeda S, et al. **Kyobu Geka** 1987 Jun; 40(7):577–9 (Eng. Abstr.) (Jpn)
[Retroperitoneal pelvioscopy in the diagnosis of skin melanoma metastases to the iliac lymph nodes] Vagner RI, et al. **Vestn Khir** 1986 Jul;137(7):99–100 (Rus)
[Metastases of skin melanoma from unknown primary site] Khasanov ShR, et al. **Vopr Onkol** 1987;33(3):36–9 (Eng. Abstr.) (Rus)
[Intestinal metastasis of melanoma] Cerdán FJ, et al. **Rev Esp Enferm Apar Dig** 1987 Apr;71(4):349–52 (Eng. Abstr.) (Spa)
[Gastric metastasis of malignant melanoma (letter)] Clavero Torrent JA, et al. **Rev Esp Enferm Apar Dig** 1987 Jan; 71(1):75 (Spa)
[Gastrointestinal metastasis of malignant melanomas] Vilana Puig R, et al. **Rev Esp Enferm Apar Dig** 1987 Jun; 71(6):505–8 (Eng. Abstr.) (Spa)

SECRETION

Purification of an active plasminogen activator inhibitor immunologically related to the endothelial type plasminogen activator inhibitor from the conditioned media of a human melanoma cell line. Wagner OF, et al. **J Biol Chem** 1986 Nov 5;261(31):14474–81

SURGERY

CO2 laser scalpel in clinical practice. Case reports. Sekan V, et al. **Acta Chir Plast** 1987;29(1):49–58
The effect of rapid freezing on uveal melanomas. Hidayat AA, et al. **Am J Ophthalmol** 1987 Jan 15;103(1):66–80
Effect of surgical treatment on stage IV melanoma. Hena MA, et al. **Am J Surg** 1987 Mar;153(3):270–5
Groin dissection in malignant melanoma. Karakousis CP, et al. **Am J Surg** 1986 Nov;152(5):491–5
Natural history of surgically treated mucosal melanoma. Wong JH, et al. **Am J Surg** 1987 Jul;154(1):54–7
Malignant melanoma. Practical considerations concerning prophylactic regional lymph node dissection. Silberman AW. **Ann Surg** 1987 Aug;206(2):206–9
Is the Collaborative Ocular Melanoma Study worthwhile? [letter] Benson WE. **Arch Ophthalmol** 1986 Dec; 104(12):1745–7
Do I take the eye out or leave it in? [letter] Manschot WA. **Arch Ophthalmol** 1986 Dec;104(12):1747–8
The role of modified neck dissection in the treatment of cutaneous melanoma of the head and neck. Byers RM. **Arch Surg** 1986 Nov;121(11):1338–41
Laser surgery for malignant melanoma and superficial malignancies. McCarthy WH, et al. **Aust NZ J Surg** 1978 Dec;48(6):656–61
Vulvo-vaginal melanoma--should radical surgery be abandoned? Davidson T, et al. **Br J Obstet Gynaecol** 1987 May;94(5):473–6
An upper arm flap, pedicled on the cephalic vein with arterial anastomosis, for head and neck reconstruction. Inoue T, et al. **Br J Plast Surg** 1986 Oct;39(4):451–3
Morbidity, mortality and local recurrence following regional node dissection for melanoma. Bowsher WG, et al. **Br J Surg** 1986 Nov;73(11):906–8
Surgery for malignant melanoma: from which limb should the graft be taken? Flook D, et al. **Br J Surg** 1986 Oct; 73(10):793–5
Malignant melanoma. Russell RC. **Br J Surg** 1986 Oct; 73(10):773–4
Delayed node dissection in stage one malignant melanoma: justification and advantages. Veronesi U. **Cancer Invest** 1987;5(1):47–53
Melanoma of the conjunctiva--a rational approach to management. Birns JW, et al. **Head Neck Surg** 1979 Nov–Dec;2(2):99–106
Pseudomelanoma following treatment with surgical excision and intralesional triamcinolone acetonide to prevent keloid formation. Ronnen M, et al. **Int J Dermatol** 1986 Oct; 25(8):533–4
Implant clear cell sarcoma (malignant melanoma of soft parts). Leelasetakul S, et al. **J Med Assoc Thai** 1987 Mar; 70(3):151–5
Primary malignant melanoma of the lung. Alghanem AA, et al. **J Surg Oncol** 1987 Feb;34(2):109–12
Treatment of iris melanoma by photocoagulation: a case report. Cleasby GW, et al. **Ophthalmic Surg** 1987 Jan; 18(1):42–4
Diagnosis and therapeutic surgery of the uvea--Part I: Surgical technique. Peyman GA, et al. **Ophthalmic Surg** 1986 Dec;17(12):822–9
Tumor regression after photocoagulation of malignant melanomas of the choroid: an ultrasonographic study. Shukla M, et al. **Ophthalmologica** 1987;194(2–3):119–25
Management of cutaneous melanomas of the female breast. Greenberg BM, et al. **Plast Reconstr Surg** 1987 Sep; 80(3):409–15
A simple technique for improving the cosmesis of excision of a melanoma and skin grafting. Hodgson KJ, et al. **Surg Gynecol Obstet** 1986 Nov;163(5):491–2
Utility of lymphoscintigraphy in directing surgical therapy for melanomas of the head, neck, and upper thorax. Eberbach MA, et al. **Surgery** 1987 Sep;102(3):433–42
Orbital recurrence of choroidal melanoma 11 years after enucleation. Famiglietti PJ, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(1):360–1
Prognosis for localized cutaneous melanoma treated with wide excision only, with special reference to development

of regional node metastases. Eldh J, et al. **Tumori** 1987 Feb 28;73(1):51–4

Comparison of results with CO2 laser and traditional surgical treatment of stage I malignant melanoma. Reali UM, et al. **Tumori** 1987 Apr 30;73(2):127–30

Progress in management of malignant melanoma. Borden EC. **Wis Med J** 1987 Apr;86(4):23–5

[Gluteal island skin–muscle flaps for covering soft-tissue defects in the sacral and ischiatic regions] Dimitrov V, et al. **Khirurgiia (Sofiia)** 1986;39(6):37–41 (Eng. Abstr.) **(Bul)**

[Malignant melanoma of the head and neck—a clinical analysis of 46 patients] Lai GQ, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Jul;8(4):303–5 (Eng. Abstr.) **(Chi)**

[Surgical treatment of malignant melanoma] Zaloudík J, et al. **Rozhl Chir** 1986 Jul;65(7):537–42 (Eng. Abstr.) **(Cze)**

[The changing pattern of referrals in relation to melanoma of the skin?] Rampen FH, et al. **Ned Tijdschr Geneeskd** 1987 Jun 6;131(23):997–9 (Eng. Abstr.) **(Dut)**

[Melanoma of the skin; evaluation of the effect of consensus guidelines] van Everdingen JJ, et al. **Ned Tijdschr Geneeskd** 1987 Jun 6;131(23):980–1 **(Dut)**

[The size of excision of malignant melanomas (stage I)] Truchetet F, et al. **Ann Dermatol Venereol** 1986; 113(8):727–30 **(Fre)**

[Photocoagulation of malignant melanomas of the choroid] Desjardins L. **Bull Soc Ophtalmol Fr** 1986 Nov;Spec No:169–74 **(Fre)**

[Treatment of conjunctival malignant pigmented tumors] François P, et al. **Bull Soc Ophtalmol Fr** 1986 Feb; 86(2):237–8 (Eng. Abstr.) **(Fre)**

[Surgical treatment of malignant melanomas] Haye C. **Bull Soc Ophtalmol Fr** 1986 Nov;Spec No:197–203 **(Fre)**

[Argon laser photocoagulation of malignant melanomas] Haye C. **Bull Soc Ophtalmol Fr** 1986 Nov;Spec No:183 **(Fre)**

[Diathermy and cryocoagulation of malignant melanomas] Haye C. **Bull Soc Ophtalmol Fr** 1986 Nov;Spec No:185 **(Fre)**

[Surgical therapy of malignant melanoma] Jaeger K, et al. **Chirurg** 1986 Oct;57(10):624–7 (Eng. Abstr.) **(Ger)**

[Therapy of malignant melanomas] Hundeiker M, et al. **Dtsch Med Wochenschr** 1987 Apr 3;112(14):553–5 **(Ger)**

[Regeneration of human corneal endothelium following direct Nd:YAG laser trauma] Hartmann C, et al. **Fortschr Ophthalmol** 1986;83(4):448–52 (Eng. Abstr.) **(Ger)**

[Surgical technics in conjunctival melanomas of the corneal limbus] Waubke TN, et al. **Fortschr Ophthalmol** 1986; 83(4):417–9 (Eng. Abstr.) **(Ger)**

[Preventive lymphadenectomy in cutaneous malignant melanomas. A matched pair study] Hotz G, et al. **Hautarzt** 1986 Oct;37(10):554–9 (Eng. Abstr.) **(Ger)**

[Epidermal cell cultures—significance for wound coverage in the human] Bonnekoh B, et al. **Z Hautkr** 1986 Oct 15; 61(20):1433–42 (Eng. Abstr.) **(Ger)**

[Malignant melanomas—guidelines for surgical therapy] Steigleder GK, et al. **Z Hautkr** 1987 Jun 15;62(12):915–6 **(Ger)**

[Palliative measures in malignant melanoma of the anorectum] Mlasowsky B, et al. **Zentralbl Chir** 1987; 112(8):513–5 **(Ger)**

[Selected clinical aspects of the treatment of malignant melanoma] Borowski M, et al. **Pediatr Pol** 1986 Sep; 61(9):576–84 (Eng. Abstr.) **(Pol)**

[The role of superficial parotidectomy in selected cases of malignant skin tumors in the neck and head region] Cernea CR, et al. **Rev Paul Med** 1985 Nov–Dec;103(6):303–6 (Eng. Abstr.) **(Por)**

[Malignant melanoma of the nasal cavity treated by cryosurgery with liquid nitrogen] Olariu B, et al. **Rev Chir [Otorinolaringol]** 1986 Jul–Sep;31(3):223–38 (Eng. Abstr.) **(Rum)**

[Preventive lymphadenectomy in stage I melanoma of the skin (review of the literature)] Khasanov ShR, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):133–7 (59 ref.) **(Rus)**

[Organ-sparing surgery of neoplasms in the vascular tract of the eye] Krasnikov PG, et al. **Oftalmol Zh** 1987; (2):108–10 (Eng. Abstr.) **(Rus)**

[The role of various current methods of treating patients with intraocular melanoma] Volkov VV, et al. **Oftalmol Zh** 1986; (7):386–90 (Eng. Abstr.) **(Rus)**

[Extent of the surgical intervention in regional metastases of melanomas of the head and neck] Vagner RI, et al. **Vestn Khir** 1987 Jan;138(1):43–6 (Eng. Abstr.) **(Rus)**

[Indications for preventive regional lymphadenectomy in primary melanoma of the skin of the trunk] Vagner RI, et al. **Vestn Khir** 1986 Nov;137(11):40–3 (Eng. Abstr.) **(Rus)**

[Treatment of melanomas of the anorectal region] Knysh VI, et al. **Vopr Onkol** 1987;33(3):74–8 (Eng. Abstr.) **(Rus)**

[Indications for prophylactic lymphadenectomy in skin melanoma of the lower limbs] Vagner RI, et al. **Vopr Onkol** 1986;32(12):13–8 (Eng. Abstr.) **(Rus)**

THERAPY

Adjuvant chemoimmunotherapy after regional lymphadenectomy for malignant melanoma. Abdi EA, et al. **Am J Clin Oncol** 1987 Apr;10(2):117–22

Fatal disseminated bacillus Calmette–Guerin infection and arrested growth of cutaneous malignant melanoma following intralesional immunotherapy. de la Monte SM, et al. **Am J Dermatopathol** 1986 Aug;8(4):331–5

Interferon–gamma treatment of metastasized malignant melanoma. Haase KD, et al. **Anticancer Res** 1987 May–Jun; 7(3 Pt B):335–6

Melanoma of the nasal and paranasal sinus mucosa. Trapp TK, et al. **Arch Otolaryngol Head Neck Surg** 1987 Oct; 113(10):1086–9

Tumoricidal effects and patient survival after hyperthermic liver perfusion. Skibba JL, et al. **Arch Surg** 1986 Nov; 121(11):1266–71

Treatment of choroidal melanomas. Oosterhuis JA. **Bull Soc Belge Ophtalmol** 1985;214:1–15 (49 ref.)

Recombinant leukocyte A interferon (rIFN–alpha A) in the treatment of disseminated malignant melanoma. Analysis of complete and long–term responding patients. Creagan ET, et al. **Cancer** 1986 Dec 15;58(12):2576–8

BCG immunotherapy in stage I melanoma patients. Does it influence prognosis determined by HLA–DR expression in high–risk primary tumors? Bröcker EB, et al. **Cancer Immunol Immunother** 1986;23(2):155–7

Heat–sensitivity of the Harding–Passey melanoma. Feldman A, et al. **Cancer Lett** 1987 Mar;34(3):331–5

Therapy of patients with malignant melanoma using a monoclonal antimelanoma antibody–ricin A chain immunotoxin. Spitler LE, et al. **Cancer Res** 1987 Mar 15; 47(6):1717–23

Improvement in cardiac ectopy during gamma interferon infusion: a case report [letter] Friess GG, et al. **Cancer Treat Rep** 1986 Dec;70(12):1463–4

Effect of in vivo administration of prostaglandins and interferon on natural killer activity and on B–16 melanoma growth in mice. Garaci E, et al. **Cell Immunol** 1987 Apr 15;106(1):43–52

Immunotherapeutic activity of percutaneous BCG vaccine: laboratory and clinical studies. Engibarov A, et al. **Dev Biol Stand** 1986;58 (Pt A):365–9

Experiences in adjuvant immunotherapy of melanoma with BCG substrain Jena S 4. Wätzig V, et al. **Dev Biol Stand** 1986;58 (Pt A):461–4

Response to monoclonal antibodies in melanoma: specific or non–specific? Knuth A. **Eur J Cancer Clin Oncol** 1986 Nov; 22(11):1285–8

Treatment of metastatic malignant melanoma with recombinant interferon alpha 2. Robinson WA, et al. **Immunobiology** 1986 Sep;172(3–5):275–82

Adjuvant combination immunotherapy (BCG and levamisole) in malignant melanoma. Dandapat MC, et al. **Indian J Cancer** 1985 Jun;22(2):100–7

Recombinant interferon alfa–2a in advanced malignant melanoma. A phase I–II study in combination with DTIC. McLeod GR, et al. **Int J Cancer [Suppl]** 1987;1:31–5

Arrhenius analysis of the heat response in vivo and in vitro of human melanoma xenografts. Rofstad EK, et al. **Int J Hyperthermia** 1986 Oct–Dec;2(4):359–68

Regional lymph node and pulmonary metastases after local hyperthermia of melanomas in C57BL/6 mice. Nathanson SD, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb; 13(2):243–9

A study of heat and radiation response of a malignant, melanin–producing cell line derived from C3H 10T1/2 cells transformed in culture by radiation. Raaphorst GP, et al. **Int J Radiat Oncol Biol Phys** 1986 Dec;12(12):2151–5

Treatment of metastatic malignant melanoma with recombinant interferon alfa–2b. Dorval T, et al. **Invest New Drugs** 1987;5 Suppl:S61–3

Combination of fibroblast interferon (HuIFN beta), carboxamide (DTIC), and cimetidine for advanced malignant melanoma. Abdi EA, et al. **J Biol Response Mod** 1986 Oct;5(5):423–8

Phase II study of betaseron (beta ser17–interferon) as treatment of advanced malignant melanoma. Sarna GP, et al. **J Biol Response Mod** 1987 Aug;6(4):375–8

Monoclonal antibody therapy in malignant melanoma: factors effecting in vivo localization. Schroff RW, et al. **J Biol Response Mod** 1987 Aug;6(4):457–72

Ganglioside GD2 specific monoclonal antibody 3F8: a phase I study in patients with neuroblastoma and malignant melanoma. Cheung NK, et al. **J Clin Oncol** 1987 Sep; 5(9):1430–40

Cutaneous melanoma: "is it as black as it seems" Shibata HR. **J Dermatol (Tokyo)** 1986 Jun;13(3):161–9

Meningeal melanocytoma. Case report and review of the clinical and histological features. Winston KR, et al. **J Neurosurg** 1987 Jan;66(1):50–7

Postoperative active specific immunotherapy with supportive measures in patients suffering from recurrent metastasized melanoma: case reports of six patients. Tallberg T, et al. **J Surg Oncol** 1986 Oct;33(2):115–9

Interleukin–2. **Med Lett Drugs Ther** 1987 Sep 25;29(749):88–9

Immunotoxin therapy of malignant melanoma. Spitler LE. **Med Oncol Tumor Pharmacother** 1986;3(3–4):147–52 (57 ref.)

The anti–melanoma activity of inulin in mice. Cooper PD, et al. **Mol Immunol** 1986 Aug;23(8):903–8

Recovery of blood and bone marrow stem cells following intense chemotherapy and autologous bone marrow transplantation. Thomas MR, et al. **Oncology** 1986; 43(5):273–7

Regression of cutaneous metastatic melanoma by intralesional injection with human monoclonal antibody to ganglioside GD2. Irie RF, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8694–8

Immobilized doxorubicin increases the complement susceptibility of human melanoma cells by protecting complement component C3b against inactivation. Panneerselvam M, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9144–8

Potential applications of the interferons in oncology: lessons drawn from studies of human melanoma. Kirkwood JM, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 2):48–56 (61 ref.)

Cutaneous melanoma: a review of clinical management. Balch CM. **Tex Med** 1987 Mar;83(3):70–8 (27 ref.)

Infusion of autologous alloactivated lymphocytes in melanoma patients: toxicity and immunologic monitoring. Gambacorti–Passerini C, et al. **Tumori** 1986 Aug 31; 72(4):383–8

Malignant melanomas of female urethra. Nissenkorn I, et al. **Urology** 1987 May;29(5):562–5

[How to proceed in a case of choroid or ciliary body melanoma? (letter)] **Ned Tijdschr Geneeskd** 1987 May 2; 131(18):780–1 **(Dut)**

[Management of a melanoma of the choroid or ciliary body] de Jong PT. **Ned Tijdschr Geneeskd** 1987 Mar 14; 131(11):439–43 (Eng. Abstr.) **(Dut)**

[How should melanoma of the choroid or ciliary body be managed? (letter)] Manschot WA. **Ned Tijdschr Geneeskd** 1987 Mar 21;131(12):504–5 **(Dut)**

[Altered pattern of referral in relation to melanoma of the skin? (letter)] Sluzewski H. **Ned Tijdschr Geneeskd** 1987 Jul 25;131(30):1319–20 **(Dut)**

[How should melanoma of the choroid or ciliary body be managed? (letter)] Steggerda NF. **Ned Tijdschr Geneeskd** 1987 Jun 27;131(26):1144 **(Dut)**

[Treatment of choroid melanomas using photocoagulation following sensitization by hematoporhyrin] Desjardins L. **Bull Soc Ophtalmol Fr** 1986 Nov;Spec No:175–81 **(Fre)**

[Human recombinant leukocyte interferon alpha–2–A in 22 cases of metastatic malignant melanoma] Maral J, et al. **Presse Med** 1987 Jun 6;16(21):1031–4 (Eng. Abstr.) **(Fre)**

[Current results with surgery and adjuvant chemotherapy in malignant melanoma] Mechl Z, et al. **Arch Geschwulstforsch** 1986;56(5):367–71 (Eng. Abstr.) **(Ger)**

[Therapy and prognosis of malignant melanoma of the skin] Braun–Falco O, et al. **Dtsch Med Wochenschr** 1986 Nov 14;111(46):1750–6 (Eng. Abstr.) **(Ger)**

[Alpha 2 –interferon therapy in metastasizing malignant melanoma] Landthaler M, et al. **Dtsch Med Wochenschr** 1987 Jun 5;112(23):919–21 (Eng. Abstr.) **(Ger)**

[Interferon in the treatment of malignant melanoma. Results of clinical studies] Elsässer–Beile U, et al. **Fortschr Med** 1987 Jun 20;105(21):401–3, 42 (Eng. Abstr.) **(Ger)**

[Immunotherapy of malignant melanoma] Adler A. **Harefuah** 1986 Jul;111(1–2):11–7 (Eng. Abstr.) **(Heb)**

[Evaluation of rIFN–gamma in the treatment of lymphoma and melanoma of the skin by systemic and intralesional administration] Jimbow K, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):152–8 (Eng. Abstr.) **(Jpn)**

[Cancer therapy with monoclonal antibody] Irie RF, et al. **Tanpakushitsu Kakusan Koso** 1986 Nov;31(14):1501–10 (31 ref.) **(Jpn)**

[Malignant melanoma data from a Gdansk clinic] Narożny W, et al. **Otolaryngol Pol** 1986;40(2):87–95 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

Changes in the cell coat of cultured human melanoma cells induced by hyperthermia—an ultrahistochemical study on ruthenium staining. Liu YH. **Acta Acad Med Wuhan** 1985; 5(4):197–200

Ultrastructural aspects of melanization of hamster Ab amelanotic melanoma in primary cell culture. Bomirski A, et al. **Acta Derm Venereol (Stockh)** 1986;66(6):520–3

The adjuvant prognostic value of nuclear morphometry in stage I malignant melanoma of the skin. A multivariate analysis. Baak JP, et al. **Anal Quant Cytol Histol** 1986 Sep; 8(3):241–4

Ultrastructural studies of interactions of B16 melanoma cells and normal mouse skin fibroblasts in the three–dimensional collagen gels in vitro. Mok CH, et al. **Anticancer Res** 1986 Sep–Oct;6(5):995–1004

Morphometric and ultrastructural analyses of melanocytes, nevus cells, and melanoma cells. Stolz W, et al. **Arch Dermatol Res** 1987;279(3):167–72

Melanoma cell adhesion to defined extracellular matrix components. Netland PA, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):515–22

Ultrastructural pathology of melanomalytic glaucoma. McMenamin PG, et al. **Br J Ophthalmol** 1986 Dec; 70(12):895–906

The melanoma proteoglycan: restricted expression on microspikes, a specific microdomain of the cell surface. Garrigues HJ, et al. **J Cell Biol** 1986 Nov;103(5):1699–710

Recurrent conjunctival melanoma with neuroidal spindle cell features. Morris DA, et al. **Ophthalmology** 1987 Jan; 94(1):56–60

Malignant melanoma of the esophagus. Morrison JG, et al. **South Med J** 1987 Sep;80(9):1184–7

Ultrastructural organization of nucleoli in benign naevi and malignant melanomas. Derenzini M, et al. **Virchows Arch [B]** 1986;52(4):343–52

[Round cell undifferentiated neoplasms. Ultrastructural and

immunohistochemical study] Lavallée M, et al. **Union Med Can** 1986 Aug;115(8):543–50 (Eng. Abstr.) **(Fre)**

[Structural changes demonstrable by optic and electron microscopy in cellular and support components of nevi in the phase of neoplastic transformation and their therapeutic treatment] Fabiano G, et al. **Chir Ital** 1986 Oct; 38(5):494–501 (Eng. Abstr.) **(Ita)**

[Ultrastructural and cytochemical studies of benign juvenile melanomas. I: Relationship between the clinical color of tumors and the melanosome] Sakamoto F. **Nippon Hifuka Gakkai Zasshi** 1986 Jun;96(7):685–97 **(Jpn)**

URINE

Coexistent metastatic malignant melanoma cells and Wuchereria bancrofti microfilariae in urinary sediment [letter] Kapila K, et al. **Acta Cytol (Baltimore)** 1986 Nov–Dec;30(6):696–7

Trichochromuria in melanosis of melanoma. Rorsman H, et al. **Acta Derm Venereol (Stockh)** 1986;66(6):468–73

[HPLC detection of pathologic metabolites of melanin and melatonin metabolism in the urine in malignant melanoma of the choroid] Dieckhues B. **Klin Monatsbl Augenheilkd** 1986 Jul;189(1):34–5 (Eng. Abstr.) **(Ger)**

VETERINARY

Malignant metamorphosis: developmental genes as culprits for oncogenesis in Xiphophorus. Schwab M. **Adv Cancer Res** 1986;47:63–97 (99 ref.)

Canine oral melanoma: comparison of surgery versus surgery plus Corynebacterium parvum. MacEwen EG, et al. **Cancer Invest** 1986;4(5):397–402

Bilateral melanoma of the iris in a horse. Matthews AG, et al. **Equine Vet J** 1987 Jul;19(4):358–60

B16 MELANOMA see **MELANOMA, EXPERIMENTAL**

MELANOMA, CLOUDMAN S91 see **MELANOMA, EXPERIMENTAL**

MELANOMA, EXPERIMENTAL

ANALYSIS

Differential expression of the HLA–DR genes in various melanoma cell lines treated with interferon–gamma: methylation of the HLA–DR alpha gene in these lines is not correlated with its expression. Carrington MN, et al. **Hum Immunol** 1987 Feb;18(2):151–61

Gangliosides of human melanoma: GM2 and tumorigenicity. Tsuchida T, et al. **JNCI** 1987 Jan;78(1):55–60

BLOOD SUPPLY

Tumor vasculature in young and old hosts: scanning electron microscopy of microcorrosion casts with microangiography, light microscopy and transmission electron microscopy. Walmsley JG, et al. **Scanning Microsc** 1987 Jun;1(2):823–30

DIAGNOSIS

B16 melanoma in hairless mice: a model for thermographic research. Jochimsen PR, et al. **J Surg Oncol** 1986 Sep; 33(1):50–2

DRUG THERAPY

The treatment of animal tumours and their metastases with 4–hydroxyanisole. Kanclerz A, et al. **Br J Cancer** 1986 Oct; 54(4):693–8

Mechanism of action of a new antitumor agent, carbetimer. Ardalan B, et al. **Cancer Res** 1986 Nov;46(11):5473–6

Enhancement of the anticancer activity of bis(2–chloroethyl)nitrosourea in mice by coadministration of 2'–deoxyuridine, 2'–deoxycytidine, or thymidine. Lin TS, et al. **Cancer Res** 1987 Jan 15;47(2):394–7

Quantitation of in vivo potentiation resulting from combined interferon therapy: antitumor effect against B–16 melanoma in mice. Koren S, et al. **J Interferon Res** 1986 Oct; 6(5):473–82

Comparative antitumor studies on platinum(II) and platinum(IV) complexes containing 1,2–diaminocyclohexane. Vollano JF, et al. **J Med Chem** 1987 Apr;30(4):716–9

[Antitumor activity of several new pentopyranosyl–chloroethylnitrosoureas] Grouiller A, et al. **C R Soc Biol (Paris)** 1987;181(2):128–36 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Chemically modified heparins as inhibitors of heparan sulfate specific endo–beta–glucuronidase (heparanase) of metastatic melanoma cells. Irimura T, et al. **Biochemistry** 1986 Sep 9;25(18):5322–8

The existence of apotyrosinase in the cytosol of Harding–Passey mouse melanoma melanocytes and characteristics of enzyme reconstitution by Cu(II). Martínez JH, et al. **Biochim Biophys Acta** 1987 Mar 19; 923(3):413–20

Metastatic mouse melanoma cells release collagen–gelatin degrading metalloproteinases as components of shed membrane vesicles. Zucker S, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):225–37

Induction and inhibition of cathepsin B and hemoglobin–hydrolase activity in murine B16 melanoma by thiol protease inhibitors. Nakao H, et al. **Comp Biochem Physiol [B]** 1986;85(2):435–7

pH–dependent interconvertible allosteric forms of murine melanoma tyrosinase. Physiological implications. Devi CC, et al. **Eur J Biochem** 1987 Aug 3;166(3):705–11

Microheterogeneity of melanosome–bound tyrosinase from the Harding–Passey murine melanoma. Ferrini U, et al. **Int J Biochem** 1987;19(3):227–34

Tyrosinase isozyme heterogeneity in differentiating B16/C3 melanoma. Laskin JD, et al. **J Biol Chem** 1986 Dec 15; 261(35):16226–35

Mammalian monophenol monooxygenase (tyrosinase): purification, properties, and reactions catalyzed. Hearing VJ Jr. **Methods Enzymol** 1987;142:154–65

FAMILIAL & GENETIC

Spontaneous premature chromosome condensation in metastatic variants of the B16 murine melanoma and human astrocytomas in culture. Lakshmi MS, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):517–9

Human melanoma cell lines of primary and metastatic origin express the genes encoding the chains of platelet–derived growth factor (PDGF) and produce a PDGF–like growth factor. Westermark B, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7197–200

IMMUNOLOGY

Enhancement of host resistance to viral and tumor challenge by treatment with methionine–enkephalin. Faith RE, et al. **Ann NY Acad Sci** 1987;496:137–45

Comparative analysis of the surface antigens of transplantable melanomas in hamsters. II. Examination of serologic reactivity of sera with isolated melanocytes by the cross–reaction and absorption test. Kozłowska K, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(5–6):595–605

Effect of polyamine depletion in vivo by DL–alpha–difluoromethylornithine on functionally distinct populations of tumoricidal effector cells in normal and tumor–bearing mice. Bowlin TL, et al. **Cancer Res** 1986 Nov;46(11):5494–8

Expression of tumor antigen correlated with metastatic potential of I. wis lung carcinoma and B16 melanoma clones in mice. Falcioni R, et al. **Cancer Res** 1986 Nov; 46(11):5772–8

Differential susceptibility to modulation by recombinant immune interferon of HLA–DR and –DQ antigens synthesized by melanoma COLO 38 cells. Giacomini P, et al. **Hybridoma** 1986 Winter;5(4):277–88

Identification of immunogenic B16 melanoma–associated antigens. Johnston D, et al. **J Biol Response Mod** 1987 Apr; 6(2):108–20

Chemotactic factor and P15E–related chemotaxis inhibitor in human melanoma cell lines with different macrophage content and tumorigenicity in nude mice. Benomar A, et al. **J Immunol** 1987 Apr 1;138(7):2372–9

Anti–tumor activity of class II MHC antigen–restricted cloned autoreactive T cells. I. Destruction of B16 melanoma cells mediated by bystander cytolysis in vitro. Shiohara T, et al. **J Immunol** 1987 Mar 15;138(6):1971–8

Effects of diethylstilbestrol on Propionibacterium acnes immunomodulation: inhibition of macrophage activation and antitumor activity. Ackermann MF, et al. **J Leukocyte Biol** 1986 Nov;40(5):549–59

Immune complexes in the serum of hamsters with transplanted melanomas. Kozłowska K, et al. **Neoplasma** 1986;33(4):431–6

[Role of natural killer cells in the antimetastatic effect of defibrinogenation with batroxobin] Shibuya M, et al. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2286–92 (Eng. Abstr.) **(Jpn)**

METABOLISM

Isolation and characterization of a wheat germ agglutinin–binding glycoprotein from B16 mouse melanoma cells. Pinnaduwage PD, et al. **Carbohydr Res** 1986 Aug 15;151:51–64

Orotate uptake and metabolism in normal and neoplastic tissues. Lea MA, et al. **Comp Biochem Physiol [B]** 1987; 86(3):581–6

A 2H NMR study on alteration of the membrane organization of mouse B16 melanoma cells treated with 12–O–tetradecanoylphorbol–13–acetate. Sugimoto Y, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):867–74

Effects of ultraviolet irradiation on cultured B–16 melanoma cells—membrane fluidity, lipid composition and phospholipase activity. Sakanashi T, et al. **Kurume Med J** 1986;33(2):61–8

Glycosaminoglycans of BALB/c 3T3 and B16.F10 melanoma cells. Metabolic differences. Piepkorn M, et al. **Lab Invest** 1987 Sep;57(3):306–10

alpha–MSH–induced changes in protein phosphorylation of Cloudman S91 mouse melanoma cells. de Graan PN, et al. **Mol Cell Endocrinol** 1987 May;51(1–2):87–93

The effects of pro–opiomelanocortin peptides on cyclic AMP and tyrosinase in melanoma cells. Farah JM Jr, et al. **Peptides** 1986 May–Jun;7(3):437–41

[Biochemistry of glycoconjugates in the studies of cancer metastasis] Irimura T. **Tanpakushitsu Kakusan Koso** 1987 Mar;32(3):189–202 (58 ref.) **(Jpn)**

PATHOLOGY

Relationship of a Mr 140 fibronectin receptor and other adhesion–related glycoproteins to tumor cell–cell interaction. Rieber M, et al. **Cancer Res** 1987 Oct 1; 47(19):5127–31

Inhibition of hamster melanoma growth by estrogen. Schleicher RL, et al. **Cancer Res** 1987 Jan 15;47(2):453–9

Characteristics of two wheat germ agglutinin–resistant variants of B16 mouse melanoma cells with reduced tumorigenicity. Pinnaduwage PD, et al. **Carbohydr Res** 1986 Aug 15;151:37–50

Tumor invasion through the human amniotic membrane: requirement for a proteinase cascade. Mignatti P, et al. **Cell** 1986 Nov 21;47(4):487–98

Reversion of the transformed phenotype of B16 mouse melanoma: involvement of an 83 kd cell surface glycoprotein in specific growth inhibition. Wieland I, et al. **Cell** 1986 Dec 5;47(5):675–85

Isolation of metastatic B16 melanoma variants using anti–Met 72 monoclonal antibodies and flow cytometry. Xiang J, et al. **Clin Exp Metastasis** 1987 Jan–Mar;5(1):35–42

Cultivation of Bowes melanoma cells in the Opticell system: influence of the addition of protein supplements to the serum–free medium on the production of plasminogen activator. Bödeker BG, et al. **Dev Biol Stand** 1987;66:291–7

Gossypol effects on cultured normal and malignant melanocytes. Hu F, et al. **In Vitro Cell Dev Biol** 1986 Oct; 22(10):583–8

Cell shape modulation alters glycosylation of a metastatic melanoma cell–surface antigen. Nabi IR, et al. **Int J Cancer** 1987 Sep 15;40(3):396–402

Antiproliferative effects of interferons on human melanoma cells in the human tumor colony–forming assay. Schiller JH, et al. **J Interferon Res** 1986 Dec;6(6):615–25

Growth kinetics of primary versus metastatic human melanoma xenografts in nude mice. Ganderup GF, et al. **J Invest Dermatol** 1986 Oct;87(4):537–9

A model of human melanoma in cyclosporine–immunosuppressed rats. Goodman MM, et al. **J Invest Dermatol** 1987 Feb;88(2):141–4

Investigation of the antimetastatic effects of agents that inhibit cell adhesion or protein glycosylation. Humphries MJ, et al. **J Natl Med Assoc** 1987 Apr;79(4):411–9 (55 ref.)

Spontaneous regional lymph node metastases of three variants of the B16 melanoma: relationship to primary tumor size and pulmonary metastases. Nathanson SD, et al. **J Surg Oncol** 1986 Sep;33(1):41–5

Measurement of the effect of interferons on cellular differentiation in murine and human melanoma cells. Fisher PB, et al. **Methods Enzymol** 1986;119:611–8

Regulation of melanoma by the embryonic skin. Gerschenson M, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7307–10

Interferon gamma induces lung colonization by intravenously inoculated B16 melanoma cells in parallel with enhanced expression of class I major histocompatibility complex antigens. Taniguchi K, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3405–9

A comparative study on in vitro invasion rates by melanoma cells in the human amniotic basement membrane model versus in vivo tumor nodule formation in C57BL6 mice. Persky B, et al. **Scanning Microsc** 1987 Jun;1(2):853–62

Interaction of heat with chemotherapy in vitro: effect on cell viability and protein synthesis in human and murine cell lines. Supino R, et al. **Tumori** 1987 Apr 30;73(2):109–16

Ultrasonic tissue characterization and histopathology in tumor xenografts following ultrasonically induced hyperthermia. Silverman RH, et al. **Ultrasound Med Biol** 1986 Aug;12(8):639–45

[Different metastatic modes of B16 malignant melanoma in C57BL/6 young and old mice and its modification by dithiothreitol] Hirayama R, et al. **Nippon Gan Chiryo Gakkai Shi** 1987 Feb 20;22(1):17–24 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Characterization in vitro and in vivo of progressively adriamycin–resistant B16–BL6 mouse melanoma cells. Ganapathi R, et al. **Cancer Res** 1987 Jul 1;47(13):3464–8

Effects of 6,6'–dithiodinicotinic acid (CPDS) and its metabolite 6–mercaptonicotinic acid (6–MNA) on murine and hamster fibroblasts (3T3 and BHK) and murine metastatic melanoma cells (F10). D'Ancona S, et al. **Chemioterapia** 1986 Aug;5(4):219–27

Role of heparin in tumor cell–induced platelet aggregation. Yamamoto K, et al. **Thromb Haemost** 1986 Aug 20; 56(1):90–4

PREVENTION & CONTROL

Response of B–16 melanoma and Lewis lung carcinoma to BCG immunoprophylaxis. Papilian–Todoruţiu C, et al. **Morphol Embryol (Bucur)** 1987 Jan–Mar;33(1):55–69

PSYCHOLOGY

Stress–behavior interactions in hamster tumor growth. Temoshok L, et al. **Ann NY Acad Sci** 1987;496:501–9

RADIONUCLIDE IMAGING

Synthesis and tumour-localizing properties of [18F]-5-fluorocytosine-arabinoside and [18F]-5-fluorocyclocytidine. Visser GW, et al. **Eur J Nucl Med** 1986;12(3):137-40

125I-iodinated benzazepines bind to melanin: implications for the noninvasive localization of pigmented melanomas. Agui T, et al. **Int J Rad Appl Instrum [B]** 1987;14(2):133-41

Improved immune-specificity in monoclonal radioimmunoimaging using dual radionuclide color functional maps. Engelstad BL, et al. **Invest Radiol** 1986 Dec;21(12):917-21

RADIOTHERAPY

Radiation response of multicellular spheroids initiated from five human melanoma xenograft lines [letter] Moore JV, et al. **Br J Radiol** 1987 Mar;60(711):302-3

Murine model for intracellular therapeutic radiation of metastatic melanoma. Hill AS, et al. **Curr Surg** 1987 Mar-Apr;44(2):132-4

Split-dose and low dose-rate recovery in four experimental tumour systems. Stephens TC, et al. **Int J Radiat Biol** 1987 Jul;52(1):157-70

Leksell stereotactic radiosurgery in the treatment of eye melanoma. Rand RW, et al. **Neurol Res** 1987 Jun;9(2):142-6

[Combined hyperthermia and proton irradiation: a new method in the treatment of malignant melanoma of the choroid?] Riedel KG, et al. **Fortschr Ophthalmol** 1986; 83(4):483-8 (Eng. Abstr.) **(Ger)**

SECONDARY

Depletion of natural killer cells in mice by monoclonal antibody to NK-1.1. Reduction in host defense against malignancy without loss of cellular or humoral immunity. Seaman WE, et al. **J Immunol** 1987 Jun 15;138(12):4539-44

Clonal origin of metastasis in B16 murine melanoma: a cytogenetic study. Hu FN, et al. **JNCI** 1987 Jan; 78(1):155-63

THERAPY

High-dose, unlabeled, nonspecific antibody pretreatment: influence on specific antibody localization to human melanoma xenografts. Wahl RL, et al. **Cancer Immunol Immunother** 1987;24(3):221-4

Effect of anti-B16 melanoma monoclonal antibody on established murine B16 melanoma liver metastases. Eisenthal A, et al. **Cancer Res** 1987 Jun 1;47(11):2771-6

Augmentation of the antimetastatic effect of anticoagulant drugs by immunostimulation in mice. Gorelik E. **Cancer Res** 1987 Feb 1;47(3):809-15

Successful immunotherapy of mouse melanoma and sarcoma with recombinant interleukin-2 and cyclophosphamide. Silagi S, et al. **J Biol Response Mod** 1986 Oct;5(5):411-22

Amelioration of B16F10 melanoma lung metastasis in mice by a combination therapy with indomethacin and interleukin 2 [published erratum appears in J Exp Med 1987 Mar 1;165(3):935] Parhar RS, et al. **J Exp Med** 1987 Jan 1;165(1):14-28

Anti-tumor activity of class II MHC antigen-restricted cloned autoreactive T cells. II. Novel immunotherapy of B16 melanomas by local and systemic adoptive transfer. Shiohara T, et al. **J Immunol** 1987 Mar 15;138(6):1979-86

Inhibitory effect of murine recombinant interferon (beta) on the pulmonary metastasis of B-16 melanoma. Sakurai M, et al. **Jpn J Cancer Res** 1986 Aug;77(8):774-81

[Direct and indirect antitumor effect of murine recombinant interferons] Sakurai M, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):889-95 (Eng. Abstr.) **(Jpn)**

MELANOMA, HARDING-PASSEY see **MELANOMA, EXPERIMENTAL**

MELANOPHORES

ANATOMY & HISTOLOGY

The control of pigment cell pattern formation in the California newt, Taricha torosa. Tucker RP, et al. **J Embryol Exp Morphol** 1986 Sep;97:141-68

CYTOLOGY

Purification of Black Moor goldfish melanophores and responses to epinephrine. Clark CR, et al. **In Vitro Cell Dev Biol** 1987 Jun;23(6):417-21

Pertussis toxin blocks melatonin-induced pigment aggregation in Xenopus dermal melanophores. White BH, et al. **J Comp Physiol [B]** 1987;157(2):153-9

Pigment cell pattern formation in amphibian embryos: a reexamination of the dopa technique. Tucker RP, et al. **J Exp Zool** 1986 Nov;240(2):173-82

DRUG EFFECTS

Melanin concentrating hormone exhibits both MSH and MCH activities on individual melanophores. Castrucci AM, et al. **Life Sci** 1987 May 11;40(19):1845-51

A comparison of structure-activity relationships within alpha-MSH on melanophores of Anolis carolinensis and Rana pipiens. Lucas A, et al. **Regul Pept** 1987 Jul; 18(1):43-50

Insecticidal toxicity and melanophores in Bufo melanostictus (Schneider) tadpoles: a comparative study. Tomar V, et al. **Z Mikrosk Anat Forsch** 1986;100(3):391-6

INNERVATION

Control of a teleost social signal. I. Neural basis for differential expression of a color pattern. Muske LE, et al. **J Comp Physiol [A]** 1987 Jan;160(1):89-97

METABOLISM

Bidirectional pigment granule movements of melanophores are regulated by protein phosphorylation and dephosphorylation. Rozdzial MM, et al. **Cell** 1986 Dec 26; 47(6):1061-70

Structure-activity relationships of melanin-concentrating hormone. Kawazoe I, et al. **Int J Pept Protein Res** 1987 Jun;29(6):714-21

Microtubule polarity confers direction to pigment transport in chromatophores. McNiven MA, et al. **J Cell Biol** 1986 Oct;103(4):1547-55

PHYSIOLOGY

An association of actin isoforms with the expression of motile response in pigmentation variants induced from goldfish erythrophoroma cells. Akiyama T, et al. **Cell Differ** 1987 Apr;20(4):271-7

A comparative survey of the type of sympathetic neuro-melanophore transmission in catfishes. Kasukawa H, et al. **Comp Biochem Physiol [C]** 1986;85(1):115-20

Pigment cell pattern formation in Taricha torosa: the role of the extracellular matrix in controlling pigment cell migration and differentiation. Tucker RP, et al. **Dev Biol** 1986 Nov;118(1):268-85

Reactivated melanophore motility: differential regulation and nucleotide requirements of bidirectional pigment granule transport. Rozdzial MM, et al. **J Cell Biol** 1986 Dec;103(6 Pt 2):2755-64

Effects of weak magnetic fields on background adaptation in Xenopus laevis. Leucht T. **Naturwissenschaften** 1987 Apr;74(4):192-4

MELANOSIS

CHEMICALLY INDUCED

Multifocal contact dermatitis to nitroderm TTS 5 with extensive postinflammatory hypermelanosis. Harari Z, et al. **Dermatologica** 1987;174(5):249-52

Arsenical dermatosis from tubewell water in West Bengal. Chakraborty AK, et al. **Indian J Med Res** 1987 Mar; 85:326-34

[Dermatologic complications of oral hormonal contraception (Gravistat)] Mikrut W. **Wiad Lek** 1986 Nov 1;39(21):1462-5 (Eng. Abstr.) **(Pol)**

CONGENITAL

Congenital Becker's melanosis [letter] Glinick SE. **J Dermatol Surg Oncol** 1987 Jun;13(6):601

Congenital neurocutaneous melanosis with metastatic orbital malignant melanoma. Ellis DS, et al. **Ophthalmology** 1986 Dec;93(12):1639-42

[Congenital diffuse melanosis] Kint A, et al. **Ann Dermatol Venereol** 1987;114(1):11-6 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Vesico-pustules and transient melanosis in a newborn infant: a benign condition] Chabrolle JP, et al. **Ann Pediatr (Paris)** 1987 Feb;34(2):169-70 **(Fre)**

[A recent case of erythromelanosis follicularis faciei et colli in a female] Ingber A, et al. **Z Hautkr** 1986 Oct 1; 61(19):1409-10 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Usefulness of retinoic acid in the treatment of melasma. Pathak MA, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):894-9

[Depigmenting chemical agents] Ortonne JP. **Ann Dermatol Venereol** 1986;113(8):733-6 **(Fre)**

ETIOLOGY

Duodenal pseudomelanosis associated with chronic renal failure. Gupta TP, et al. **Gastrointest Endosc** 1986 Oct; 32(5):358-60

Conjunctival pigmentation following pars plana vitrectomy. Smiddy WE, et al. **Retina** 1987 Spring;7(1):38-40

[A case of generalized melanosis due to wildly-metastatic malignant melanoma] Yamazaki S, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Mar;97(4):453-61 **(Jpn)**

METABOLISM

[Friction melanosis with amyloid deposits with special reference to collagen fibrils] Henmi K, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Sep;96(10):989-95 **(Jpn)**

PATHOLOGY

Bilateral melanosis of the iris. Traboulsi EI, et al. **Am J Ophthalmol** 1987 Jan 15;103(1):115-6

The labial melanotic macule. Spann CR, et al. **Arch Dermatol** 1987 Aug;123(8):1029-31

Maturation of cerebellar neuroblastoma into ganglioneuroma with melanosis. A histologic, immunocytochemical, and ultrastructural study. de Chadarévian JP, et al. **Cancer** 1987 Jan 1;59(1):69-76

Melanosis coli. Ultrastructural study of 45 patients. Balázs M. **Dis Colon Rectum** 1986 Dec;29(12):839-44

Diffuse meningeal melanosis (an unusual presentation). Sooknundun M, et al. **J Laryngol Otol** 1987 Jul; 101(7):753-7

[Generalized melanosis of macro- and microphages in metastasizing melanoma] Laissue JA, et al. **Hautarzt** 1987 Apr;38(4):232-4 (Eng. Abstr.) **(Ger)**

[Erythema dyschromicum perstans. A clinical case] Bassissi P, et al. **G Ital Dermatol Venereol** 1986 Jul-Aug; 121(4):281-3 (Eng. Abstr.) **(Ita)**

[Melanosis of the colon. Considerations on 101 cases] De Masi E, et al. **Minerva Dietol Gastroenterol** 1987 Jan-Mar; 33(1):13-9 (Eng. Abstr.) **(Ita)**

[Neurocutaneous melanosis] Cazzani M, et al. **Minerva Pediatr** 1987 Jan 31;39(1-2):43-51 (Eng. Abstr.) **(Ita)**

[6 cases of friction melanosis with amyloid deposition and frequency of friction melanosis in general population by questionnaires] Baba A, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Nov;96(12):1215-23 **(Jpn)**

[Melanosis coli] Hovdenak N. **Tidsskr Nor Laegeforen** 1986 Jun 30;106(19-21):1586-7 (Eng. Abstr.) **(Nor)**

[A 30-year-old woman with diabetes mellitus, generalized cutaneous hyperpigmentation and congestive heart failure (clinical conference)] Guevara L, et al. **Rev Invest Clin** 1986 Oct-Dec;38(4):429-33 **(Spa)**

PHYSIOPATHOLOGY

Extrapituitary neuroendocrine melanoderma. Unique association of extensive melanoderma with macromelanosomes and extrapituitary secretion of a high molecular weight neuropeptide related to pro-opiomelanocortin. Al Rustom K, et al. **Dermatologica** 1986;173(4):157-62

URINE

Trichochromuria in melanosis of melanoma. Rorsman H, et al. **Acta Derm Venereol (Stockh)** 1986;66(6):468-73

MELANOSOMES see **MELANOCYTES**

MELANOTROPIN see **MSH**

MELARSOPROL see under **ARSENICALS**

MELASMA see **MELANOSIS**

MELATONIN

ADMINISTRATION & DOSAGE

Prolongation of hibernation bout duration by continuous intracerebroventricular infusion of melatonin in hibernating ground squirrels. Stanton TL, et al. **Brain Res** 1987 Jun 16;413(2):350-5

Length of melatonin exposure and onset of ovarian activity in anoestrous ewes. Nowak R, et al. **J Reprod Fertil** 1987 May;80(1):343-7

Intraruminal soluble glass boluses containing melatonin can induce early onset of ovarian activity in ewes. Poulton AL, et al. **J Reprod Fertil** 1987 May;80(1):235-9

ANALOGS & DERIVATIVES

Circadian rhythms of 6-sulphatoxy melatonin, cortisol and electrolyte excretion at the summer and winter solstices in normal men and women. Kennaway DJ, et al. **Acta Endocrinol (Copenh)** 1986 Nov;113(3):450-6

Melatonin secretion in humans assessed by measuring its metabolite, 6-sulfatoxymelatonin. Bojkowski CJ, et al. **Clin Chem** 1987 Aug;33(8):1343-8

Gas chromatographic-mass spectrometric assay for 6-hydroxymelatonin sulfate and 6-hydroxymelatonin glucuronide in urine. Francis PL, et al. **Clin Chem** 1987 Apr;33(4):453-7

A cyclic isomer of 2-hydroxymelatonin: a novel metabolite of melatonin. Vakkuri O, et al. **Endocrinology** 1987 Jun; 120(6):2453-9

Characterization of 2-[125I]iodomelatonin binding sites in hamster brain. Duncan MJ, et al. **Eur J Pharmacol** 1986 Dec 16;132(2-3):333-4

Melatonin, thymic serum factor, and cortisol levels in healthy subjects of different age and patients with skin melanoma. Grinevich YA, et al. **J Pineal Res** 1986;3(3):263-75

Phase delay of the rhythm of 6-sulphatoxy melatonin excretion by artificial light. Kennaway DJ, et al. **J Pineal Res** 1987;4(3):315-20

Reproductive effects of 6-chloromelatonin implants and/or injections in male and female Syrian hamsters (Mesocricetus auratus). Vaughan MK, et al. **J Reprod Fertil** 1986 Nov;78(2):381-7

Delayed recovery of sleep and melatonin rhythms after nightshift work in Antarctic winter [letter] Broadway J,

et al. **Lancet** 1986 Oct 4;2(8510):813–4

ANALYSIS

More on the circadian melatonin rhythm in pineals from domesticated B6D2F1 mice. Brown GM, et al. **Chronobiologia** 1986 Oct–Dec;13(4):335–8

Chronobiologic lead study cost-effectively assesses circadian-circaseptan intermodulation in murine pineal melatonin content. Sánchez de la Peña S, et al. **Chronobiologia** 1986 Oct–Dec;13(4):329–33

Diagnostic and clinical implications of plasma and salivary melatonin assay [letter] Miles A, et al. **Clin Chem** 1987 Jul; 33(7):1295–7

Improved separation of antigen–antibody complex in RIA involving ammonium sulfate. Viswanathan M, et al. **Clin Chem** 1987 Mar;33(3):415

Variation of melatonin and serotonin content in rat pineal gland with sex and oestrous phase difference determined by high-performance liquid chromatography with fluorimetric detection. Wakabayashi H, et al. **J Chromatogr** 1986 Aug 22;381(1):21–8

Elevated daytime rat pineal and serum melatonin levels induced by isoproterenol are depressed by swimming. Wu WT, et al. **Life Sci** 1987 Sep 21;41(12):1473–9

Compensation of the natural magnetic field does not alter N-acetyltransferase activity and melatonin content of rat pineal gland. Khoory R. **Neurosci Lett** 1987 May 6; 76(2):215–20

[Conditions for the use of specific antibodies for immunohistochemical visualization of serotonin and melatonin in the pineal gland of sheep] Tillet Y, et al. **C R Acad Sci [III]** 1986;303(3):77–82 (Eng. Abstr.) **(Fre)**

[Melatonin and prolactin: their circadian and seasonal rhythms] Bondarenko LA, et al. **Fiziol Zh** 1987 Jul–Aug; 33(4):98–101 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

A novel melatonin antagonist affects melatonin-mediated processes in vitro and in vivo. Zisapel N, et al. **Eur J Pharmacol** 1987 Apr 14;136(2):259–60

BIOSYNTHESIS

Nyctohemeral rhythm in melatonin response to isoproterenol in vitro: comparison of rats and Syrian hamsters. Vaughan GM, et al. **Comp Biochem Physiol [C]** 1987;87(1):71–4

Central neural control of pineal melatonin synthesis in the rat. Møller M, et al. **Experientia** 1987 Feb 15;43(2):186–8

Possible melatonin involvement in the hypotensive effect of MAO inhibitors. Oxenkrug GF, et al. **J Neural Transm** 1986;66(3–4):271–80

Rhythmic melatonin response of the Syrian hamster pineal gland to norepinephrine in vitro and in vivo. Vaughan GM, et al. **J Pineal Res** 1986;3(3):235–49

Electrical stimulation of the hypothalamic nucleus paraventricularis mimics the effects of light on pineal melatonin synthesis. Olcese J, et al. **Life Sci** 1987 Feb 2; 40(5):455–9

Effects of an earth-strength magnetic field on pineal melatonin synthesis in pigeons. Reuss S, et al. **Naturwissenschaften** 1987 Jan;74(1):38–9

Rhythmic melatonin biosynthesis in a photoreceptive pineal organ: a study in the pike. Falcón J, et al. **Neuroendocrinology** 1987 Jun;45(6):479–86

Influence of delta-sleep inducing peptide on melatonin synthesis in the rat pineal gland. Oaknin S, et al. **Neurosci Lett** 1986 Sep 25;70(1):127–31

Neuropeptide Y effects on pineal melatonin synthesis in the rat. Reuss S, et al. **Neurosci Lett** 1987 Feb 24;74(2):158–62

BLOOD

Circadian fluctuation of plasma melatonin in Prader-Willi's syndrome and obesity. Willig RP, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:411–5

Effects of physical exercise on the serum concentration of melatonin in female runners. Ronkainen H, et al. **Acta Obstet Gynecol Scand** 1986;65(8):827–9

Melatonin rhythms in fetal and maternal circulation during pregnancy in sheep. Yellon SM, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):E799–802

Plasma melatonin concentrations in depression. McIntyre IM, et al. **Aust NZ J Psychiatry** 1986 Sep;20(3):381–3

Effects of light on melatonin production. Boyce P, et al. **Biol Psychiatry** 1987 Apr;22(4):473–8

Melatonin in panic disorder [letter] McIntyre IM, et al. **Biol Psychiatry** 1986 Dec;21(14):1438–9

Improved radioimmunoassay of melatonin in serum. Sieghart W, et al. **Clin Chem** 1987 Apr;33(4):604–5

Nocturnal enhancement of plasma melatonin could be suppressed by benzodiazepines in humans. Kabuto M, et al. **Endocrinol Jpn** 1986 Jun;33(3):405–14

The temporal relationship between melatonin and prolactin in women. Webley GE, et al. **Fertil Steril** 1987 Aug; 48(2):218–22

Photoperiodic regulation of plasma melatonin levels in the laying chicken (Gallus domesticus)1. Liou SS, et al. **Gen Comp Endocrinol** 1987 Aug;67(2):221–6

Pineal-thyroid relationship in breast cancer. Prasad GC, et al. **Indian J Cancer** 1985 Jun;22(2):108–12

The pineal hormone melatonin in panic disorder. McIntyre IM, et al. **J Affective Disord** 1987 May–Jun;12(3):203–6

Melatonin circadian rhythm in childhood depression. Cavallo A, et al. **J Am Acad Child Adolesc Psychiatry** 1987 May; 26(3):395–9

Circadian and circannual rhythms of melatonin in plasma of male white-tailed deer and the effect of oral administration of melatonin. Bubenik GA, et al. **J Exp Zool** 1987 Jan;241(1):81–9

5-Methoxypsoralen increases the plasma melatonin levels in humans. Souetre E, et al. **J Invest Dermatol** 1987 Aug; 89(2):152–5

The influence of acute and subchronic administration of various antidepressants on early morning melatonin plasma levels in healthy subjects: increases following fluvoxamine. Demisch K, et al. **J Neural Transm** 1987;68(3–4):257–70

Circadian secretion of cortisol and melatonin in cluster headache during active cluster periods and remission. Waldenlind E, et al. **J Neurol Neurosurg Psychiatry** 1987 Feb;50(2):207–13

Ontogeny of circadian rhythmicity for melatonin, serotonin, and N-acetylserotonin in humans. Attanasio A, et al. **J Pineal Res** 1986;3(3):251–6

A once-repeated study of nocturnal plasma melatonin patterns and sleep recordings in six normal young men. Claustrat B, et al. **J Pineal Res** 1986;3(4):301–10

Absence of nocturnal plasma melatonin surge under long and short artificial photoperiods in the domestic sow. McConnell SJ, et al. **J Pineal Res** 1987;4(2):201–10

Diurnal variations of plasma melatonin concentrations in pregnant or pseudopregnant mink (Mustela vison) maintained under different photoperiods. Ravault JP, et al. **J Pineal Res** 1986;3(4):365–73

Pituitary response to LHRH, LH pulsatility and plasma melatonin and prolactin changes in ewe lambs treated with melatonin implants to delay puberty. Kennaway DJ, et al. **J Reprod Fertil** 1986 Sep;78(1):137–48

Photoperiodic history and a changing melatonin pattern can determine the neuroendocrine response of the ewe to daylength. Robinson JE, et al. **J Reprod Fertil** 1987 May; 80(1):159–65

Dihydropyridine calcium antagonists depress the amplitude of the plasma melatonin cycle in baboons. Meyer AC, et al. **Life Sci** 1986 Oct 27;39(17):1563–9

Decreased nocturnal plasma melatonin peak in patients with a functional alteration of the retina in relation with uveitis. Touitou Y, et al. **Neurosci Lett** 1986 Sep 25;70(1):170–4

Effect of apomorphine on melatonin secretion in normal subjects. Lal S, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):229–33

Lithium and circadian patterns of melatonin in the retina, hypothalamus, pineal and serum. Seggie J, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):325–34

Influence of the pineal gland on pituitary function in humans. Rao ML, et al. **Psychoneuroendocrinology** 1987;12(2):141–7

Antidepressant and circadian phase-shifting effects of light. Lewy AJ, et al. **Science** 1987 Jan 16;235(4786):352–4

Correlation between changes in prolactin and melatonin serum levels after radical mastectomy. Lissoni P, et al. **Tumori** 1987 Jun 30;73(3):263–7

[Effect of endogenous stimulated melatonin on the hypothalamo-hypophyseal system] Nickelsen T, et al. **Med Klin** 1986 Nov 21;81(24):784–8 (Eng. Abstr.) **(Ger)**

[Hypermelatoninemia in patients with hypophyseal tumors] Tharandt L, et al. **Med Klin** 1987 Feb 13;82(3):98–102 (Eng. Abstr.) **(Ger)**

[Changes in the circulation pattern of serum melatonin in women with ovarian neoplasms] Turi A, et al. **Ann Ostet Ginecol Med Perinat** 1986 Jul–Aug;107(4):207–9 (Eng. Abstr.) **(Ita)**

[Features of indoleamine metabolism in adolescent girls with delayed sexual development] Plekhova EI. **Probl Endokrinol (Mosk)** 1987 Mar–Apr;33(2):40–3 (Eng. Abstr.) **(Rus)**

[Preliminary contribution to the differential study of nocturnal melatonin secretion in psychiatric and depressive patients and healthy controls] Conde V, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1987 Jan–Feb;15(1):9–19 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Marked enhancement by clorgyline of nocturnal and daytime melatonin release in rhesus monkeys. Murphy DL, et al. **Psychopharmacology (Berlin)** 1987;92(3):382–7

IMMUNOLOGY

The pineal gland and the circadian, opiatergic, immunoregulatory role of melatonin. Maestroni GJ, et al. **Ann NY Acad Sci** 1987;496:67–77

METABOLISM

Effect of food restriction on 24-h serum and pineal melatonin content in male rats. Chik CL, et al. **Acta Endocrinol (Copenh)** 1987 Aug;115(4):507–13

Accumulation of a parkinsonism-inducing neurotoxin in melanin-bearing neurons: autoradiographic studies on 3H-MPTP. Lindquist NG, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Aug;59(2):161–4

N-acetyltransferase activity, hydroxyindole-O-methyltransferase activity, and melatonin levels in the Harderian glands of the female Syrian hamster: changes during the light:dark cycle and the effect of 6-parachlorophenylalanine administration. Menendez-Pelaez A, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1231–8

Melatonin content of the pineal, parietal eye and blood plasma of the lizard, Trachydosaurus rugosus: effect of constant and fluctuating temperature. Firth BT, et al. **Brain Res** 1987 Feb 24;404(1–2):313–8

Impact of circulating estradiol on melatonin binding sites in discrete areas of the female rat brain. Laudon M, et al. **Brain Res** 1987 Jan 27;402(1):146–50

Hypothalamic neuroendocrine correlates of cutaneous burn injury in the rat: I. Scanning electron microscopy. Scott DE, et al. **Brain Res Bull** 1986 Sep;17(3):367–78

Light at night cannot suppress pineal melatonin levels in the lizard Anolis carolinensis. Underwood H. **Comp Biochem Physiol [A]** 1986;84(4):661–3

Injections of alpha-melanocyte stimulating hormone affect pineal serotonin, melatonin and N-acetyltransferase activity. Oaknin S, et al. **Comp Biochem Physiol [C]** 1987; 86(1):23–6

Influence of psoralen on NAT activity and melatonin levels in rat pineal gland during the daily period of darkness. Li K, et al. **Endocr Res** 1987;13(1):43–8

The antigonadotropic activity and amino acid composition of a total and dialyzed melatonin-free pineal extract. Damian E, et al. **Endocrinologie** 1987 Apr–Jun;25(2):91–5

Near-ultraviolet radiation suppresses pineal melatonin content. Brainard GC, et al. **Endocrinology** 1986 Nov; 119(5):2201–5

The suppression of nocturnal pineal melatonin in the Syrian hamster: dose-response curves at 500 and 360 nm. Podolin PL, et al. **Endocrinology** 1987 Jul;121(1):266–70

A cyclic isomer of 2-hydroxymelatonin: a novel metabolite of melatonin. Vakkuri O, et al. **Endocrinology** 1987 Jun; 120(6):2453–9

Seasonal changes in pineal melatonin content and hydroxyindole-O-methyltransferase activity in juvenile chinook salmon, Oncorhynchus tshawytscha. Birks EK, et al. **Gen Comp Endocrinol** 1986 Oct;64(1):91–8

Melatonin in human preovulatory follicular fluid. Brzezinski A, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):865–7

Photoperiodic modulation of cephalic melatonin in planarians. Morita M, et al. **J Exp Zool** 1987 Mar; 241(3):383–8

Lower tryptophan:phenylalanine ratios in culture media increase medium: pineal melatonin ratios in early dark but not late light phase. Catalá MD, et al. **J Pineal Res** 1987; 4(3):267–75

Melatonin rhythm in human plasma and saliva. McIntyre IM, et al. **J Pineal Res** 1987;4(2):177–83

[3H] melatonin binding in membrane and cytosol fractions from rat and calf brain. Niles LP. **J Pineal Res** 1987; 4(1):89–98

Pineal, retinal, serum melatonin, and N-acetylserotonin rhythms in chicks on reversing light regimen and eye covering. Nir I, et al. **J Pineal Res** 1987;4(3):305–14

Human melatonin production decreases with age. Sack RL, et al. **J Pineal Res** 1986;3(4):379–88

Depression in rat pineal N-acetyltransferase activity and melatonin content produced by a hind leg saline injection is time and darkness dependent. Troiani ME, et al. **J Pineal Res** 1987;4(2):185–95

Dynamic uptake of radioactive substance in rat salivary gland following 3H-melatonin administration. Withyachumnarnkul B, et al. **J Pineal Res** 1987;4(2):169–75

Pineal N-acetyltransferase, pineal and serum melatonin response to isoproterenol stimulation in underfed male rats. Chik CL, et al. **Life Sci** 1987 Apr 13;40(15):1451–7

In vitro effects of adenohypophysial hormones on rat pineal melatonin content and release. Vacas MI, et al. **Mol Cell Endocrinol** 1987 Mar;50(1–2):23–7

Norepinephrine or isoproterenol stimulation of pineal N-acetyltransferase activity and melatonin content in the Syrian hamster is restricted to the second half of the daily dark phase. Reiter RJ, et al. **Neuroendocrinology** 1987 Apr; 45(4):249–56

Catecholaminergic activity in idiopathic torsion dystonia. Menkes JH, et al. **Neurology** 1987 May;37(5):779–83

Use of 2-[125I]iodomelatonin to characterize melatonin binding sites in chicken retina. Dubocovich ML, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3916–20

[Immunohistochemical and electron microscopic identification of serotonin, melatonin and beta-endorphin in the granules of natural killers] Dedenkov AN, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):491–3 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of single neonatal melatonin treatment on in vitro thyroxin secretion and TSH or melatonin-modified cAMP level of one-month-old rats. Csaba G, et al. **Acta Physiol Hung** 1987;69(2):227–30

Influence of a single neonatal melatonin treatment on the basal and thyrotropin or melatonin modified blood thyroxine level of adult rats. Csaba G, et al. **Acta Physiol Hung** 1986;68(2):227–9

Splenic hypertrophy and extramedullary hematopoiesis induced in male Syrian hamsters by short photoperiod or melatonin injections and reversed by melatonin pellets or pinealectomy. Vaughan MK, et al. **Am J Anat** 1987 Jun;

179(2):131–6

Effects of daily melatonin injections on activity rhythms of rats in constant light. Chesworth MJ, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):R101–7

Olfactory bulbectomy prevents anti-gonadal effect of exogenous melatonin in male hamsters. Pieper DR, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):R1208–11

Duration of the melatonin pulse in the hypothalamus controls testicular function in pinealectomized mice (Peromyscus leucopus). Dowell SF, et al. **Biol Reprod** 1987 Jun; 36(5):1095–101

Sensitivity of adult male Djungarian hamsters (Phodopus sungorus sungorus) to melatonin injections throughout the day: effects on the reproductive system and the pineal. Stetson MH, et al. **Biol Reprod** 1986 Oct;35(3):618–23

The effects of melatonin and hypothyroidism on estradiol and gonadotropin levels in female Syrian hamsters. Vriend J, et al. **Biol Reprod** 1987 Apr;36(3):719–28

Stimulation of food intake and growth of chickens by cyproheptadine: lack of interaction with the effects of pinealectomy and melatonin. Injidi MH, et al. **Br Poult Sci** 1987 Mar;28(1):139–45

Melatonin, 5-methoxytryptamine and some of their analogs as cyclo-oxygenase inhibitors in rat medial basal hypothalamus. Franchi AM, et al. **Brain Res** 1987 Mar 10; 405(2):384–8

Melatonin and rhythmic photoreceptor metabolism: melatonin-induced cone elongation is blocked at high light intensity. Pierce ME, et al. **Brain Res** 1987 Mar 10; 405(2):400–4

Melatonin increases in vivo GABA accumulation in rat hypothalamus, cerebellum, cerebral cortex and pineal gland. Rosenstein RE, et al. **Brain Res** 1986 Nov 29; 398(2):403–6

Ultradian chronomodulation by melatonin of a Placebo effect upon human killer cell activity. Lissoni P, et al. **Chronobiologia** 1986 Oct–Dec;13(4):339–43

Antihypertensive action of melatonin in the spontaneously hypertensive rat. Kawashima K, et al. **Clin Exp Hypertens [A]** 1987;9(7):1121–31

Differential displacement of cells from the median eminence into the arcuate nucleus during puberty. Effects of melatonin administration. Marani E, et al. **Experientia** 1987 Mar 15;43(3):305–6

Effect of melatonin on gonads, body weight, and luteinizing hormone (LH) dependent coloration of the Indian finch, Lal munia (Estrilda amandava). Gupta BB, et al. **Gen Comp Endocrinol** 1987 Mar;65(3):451–6

Effect of melatonin on oocyte growth and recruitment, hypophyseal gonadotrophs, and oviduct of the frog Rana cyanophlyctis maintained under natural photoperiod during the prebreeding phase. Kupwade VA, et al. **Gen Comp Endocrinol** 1986 Nov;64(2):284–92

Apparent role of melatonin and prolactin in initiating winter fur growth in mink. Rose J, et al. **Gen Comp Endocrinol** 1987 Feb;65(2):212–5

The inhibitory action of melatonin on the contractile response to 5-hydroxytryptamine in various isolated vascular smooth muscles. Satake N, et al. **Gen Pharmacol** 1986; 17(5):553–8

Melatonin: its antagonism of thyroxine's antisomatotrophic activity in male Syrian hamsters. Vriend J, et al. **Growth** 1987 Spring;51(1):35–43

Effects of cold, short day and melatonin on thermogenesis, body weight and reproductive organs in Alaskan red-backed voles. Feist DD, et al. **J Comp Physiol [B]** 1986;156(5):741–6

Pertussis toxin blocks melatonin-induced pigment aggregation in Xenopus dermal melanophores. White BH, et al. **J Comp Physiol [B]** 1987;157(2):153–9

Changes in plasma concentrations of LH, FSH and prolactin in ewes receiving melatonin and short-photoperiod treatments to induce early onset of breeding activity. Poulton AL, et al. **J Endocrinol** 1987 Jan;112(1):103–11

Local production of progesterone by the corpus luteum of the marmoset monkey in response to perfusion with chorionic gonadotrophin and melatonin in vivo. Webley GE, et al. **J Endocrinol** 1987 Mar;112(3):449–57

Effects of afternoon injections of O-acetyl-5-methoxytryptophol, melatonin or 5-methoxytryptophol in female Syrian hamsters. Little JC, et al. **J Neural Transm** 1986;66(3–4):291–301

Morning administration of melatonin antagonizes the antigonadotrophic effect of afternoon injections of melatonin, 5-methoxytryptophol and arginine vasotocin in intact mice. Ng TB. **J Neural Transm** 1987;68(1–2):145–52

Melatonin lowers plasma prolactin levels in female red deer (Cervus elaphus). Adam CL, et al. **J Pineal Res** 1987; 4(1):13–20

Effects of melatonin on adrenomedullary dopamine-beta-hydroxylase activity in golden hamsters: evidence for pineal and dose dependencies. Banerji TK, et al. **J Pineal Res** 1986;3(4):397–404

The effect of orally administered melatonin on the seasonality of deer pelage exchange, antler development, LH, FSH, prolactin, testosterone, T3, T4, cortisol and alkaline phosphatase. Bubenik GA, et al. **J Pineal Res** 1986; 3(4):331–49

Effect of melatonin on the force of spontaneous contractions of in vitro rat small and large intestine. Harlow HJ, et al. **J Pineal Res** 1986;3(3):277–84

Detailed diurnal rhythm of sensitivity to melatonin injections in Turkish hamsters, Mesocricetus brandti. Hong SM, et al. **J Pineal Res** 1987;4(1):69–78

The influence of melatonin on the content of vasopressin and oxytocin in the hypothalamus and neurohypophysis in euhydrated and dehydrated male rats. Juszczak M, et al. **J Pineal Res** 1986;3(3):199–211

Failure of melatonin to inhibit the mitotic activity of regenerating adrenal cortex in rats. Karasek M, et al. **J Pineal Res** 1987;4(2):197–200

Melatonin inhibits the basal and TSH-stimulated mitotic activity of thyroid follicular cells in vivo and in organ culture. Lewiński A, et al. **J Pineal Res** 1986;3(3):291–9

Melatonin suppression of the colloid droplet formation in the thyroid is not related to the alteration of prostacyclin synthesis. Lewiński A, et al. **J Pineal Res** 1986;3(3):285–9

Pinealectomy and constant release of melatonin or 5-methoxytryptamine induce testicular atrophy in the European hamster (Cricetus cricetus, L.). Masson-Pévet M, et al. **J Pineal Res** 1987;4(1):79–88

Effects of melatonin, serotonin, and naloxone on aggression in isolated cichlid fish (Aequidens pulcher). Munro AD. **J Pineal Res** 1986;3(3):257–62

Effects of short photoperiod and melatonin treatment on thermogenesis in the Syrian hamster. Viswanathan M, et al. **J Pineal Res** 1986;3(4):311–21

Effects of long-term treatment with melatonin or melatonin plus ectopic pituitary transplants on testicular LH/hCG and prolactin receptors in juvenile Syrian hamsters (Mesocricetus auratus). Amador AG, et al. **J Reprod Fertil** 1986 Nov;78(2):557–64

Annual cycle of liveweight and reproductive changes of farmed male fallow deer (Dama dama) and the effect of daily oral administration of melatonin in summer on the attainment of seasonal fertility. Asher GW, et al. **J Reprod Fertil** 1987 Mar;79(2):353–62

Induction and persistence of pituitary and ovarian activity in the out-of-season lactating dairy goat after a treatment combining a skeleton photoperiod, melatonin and the male effect. Chemineau P, et al. **J Reprod Fertil** 1986 Nov; 78(2):497–504

Effect of melatonin and removal of pouch young on the seasonality of births in the marsupial possum, Trichosurus vulpecula. Gemmell RT. **J Reprod Fertil** 1987 May; 80(1):301–7

Influence of melatonin on the initiation of the breeding season of the marsupial bandicoot, Isoodon macrourus. Gemmell RT. **J Reprod Fertil** 1987 Jan;79(1):261–5

Effects of melatonin implantation on spermatogenesis, the moulting cycle and plasma concentrations of melatonin, LH, prolactin and testosterone in the male blue fox (Alopex lagopus). Smith AJ, et al. **J Reprod Fertil** 1987 Mar; 79(2):379–90

Melatonin directly stimulates the secretion of progesterone by human and bovine granulosa cells in vitro. Webley GE, et al. **J Reprod Fertil** 1986 Nov;78(2):711–7

Jet lag and melatonin [letter] Arendt J, et al. **Lancet** 1986 Sep 20;2(8508):698–9

Lack of cardiovascular or ventilatory effects of melatonin in rats. Ekholm S, et al. **Med Biol** 1986;64(4):215–9

Elevated ambient temperature retards the atrophic response of the neuroendocrine-reproductive axis of male Syrian hamsters to either daily afternoon melatonin injections or to short photoperiod exposure. Li K, et al. **Neuroendocrinology** 1987 May;45(5):356–62

Does melatonin alter pituitary responsiveness to gonadotropin-releasing hormone in the ewe? Robinson JE, et al. **Neuroendocrinology** 1986;43(6):635–40

A pharmacological dose of melatonin increases PRL levels in males without altering those of GH, LH, FSH, TSH, testosterone or cortisol. Waldhauser F, et al. **Neuroendocrinology** 1987 Aug;46(2):125–30

Magnetic fields abolish nychthemeral rhythmicity of responses of Purkinje cells to the pineal hormone melatonin in the pigeon's cerebellum. Demaine C, et al. **Neurosci Lett** 1986 Dec 12;72(2):158–62

Melatonin impairs sperm motility--a novel finding [letter] Oosthuizen JM, et al. **S Afr Med J** 1986 Oct 25;70(9):566

[F-actin in cultured chick retinal pigment epithelial cells and melatonin] Shirakawa H, et al. **Nippon Ganka Gakkai Zasshi** 1986 Oct;90(10):1274–7 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Maternal melatonin communicates daylength to the fetus in Djungarian hamsters. Weaver DR, et al. **Endocrinology** 1986 Dec;119(6):2861–3

Inhibitory effects of the pineal hormone melatonin and underfeeding during the promotional phase of 7,12-dimethylbenzanthracene-(DMBA)-induced mammary tumorigenesis. Blask DE, et al. **J Neural Transm** 1986;67(1–2):125–38

Melatonin in humans. Proceedings of the First International Conference on Melatonin in Humans. Vienna, Austria, November 7–9, 1985. **J Neural Transm [Suppl]** 1986; 21:1–504

Role of the pineal gland in immunity. Circadian synthesis and release of melatonin modulates the antibody response and antagonizes the immunosuppressive effect of corticosterone. Maestroni GJ, et al. **J Neuroimmunol** 1986 Nov;13(1):19–30

Influence of the pineal gland and melatonin on blood flow and evaporative water loss during heat stress in rats. Harlow HJ. **J Pineal Res** 1987;4(2):147–59

The melatonin message: duration versus coincidence hypotheses. Reiter RJ. **Life Sci** 1987 Jun 1;40(22):2119–31 (65 ref.)

A brain site for the antigonadal action of melatonin in the white-footed mouse (Peromyscus leucopus): involvement of the immunoreactive GnRH neuronal system. Glass JD, et al. **Neuroendocrinology** 1987 Jun;46(1):48–55

Seasonal and sex influences on ketamine-induced analgesia and catalepsy in the rat; a possible role for melatonin. Winters WD, et al. **Neuropharmacology** 1986 Oct; 25(10):1095–101

Role of the pineal gland and melatonin in seasonal reproductive function in mammals. Arendt J. **Oxf Rev Reprod Biol** 1986;8:266–320 (230 ref.)

[Melatonin and tumor growth] Kvetnoĭ IM, et al. **Eksp Onkol** 1986;8(4):11–5 (64 ref.) (Eng. Abstr.) **(Rus)**

SECRETION

Depressed melatonin secretion in patients with nightmares due to beta-adrenoceptor blocking drugs. Brismar K, et al. **Acta Med Scand** 1987;221(2):155–8

Effect of frontal hypothalamic deafferentation on duration of breeding season and melatonin secretion in the ewe. Jackson GL, et al. **Biol Reprod** 1986 Dec;35(5):1277–88

Reproductive refractoriness of the ewe to inductive photoperiod is not caused by inappropriate secretion of melatonin. Malpaux B, et al. **Biol Reprod** 1987 Jun; 36(5):1333–41

Melatonin and cortisol increase after fluvoxamine [letter] Demisch K, et al. **Br J Clin Pharmacol** 1986 Nov; 22(5):620–2

Melatonin secretion in humans assessed by measuring its metabolite, 6-sulfatoxymelatonin. Bojkowski CJ, et al. **Clin Chem** 1987 Aug;33(8):1343–8

Disturbed melatonin secretion in chronic alcoholism and withdrawal [letter] Majumdar SK, et al. **Clin Chem** 1987 Jul;33(7):1291

Melatonin, cortisol, prolactin, and calcitonin secretion in primary hyperparathyroidism before and after surgery. Brismar K, et al. **J Pineal Res** 1987;4(3):277–85

The pattern of motor activity, light, and melatonin production in Syrian hamsters. Korenman EM, et al. **J Pineal Res** 1987;4(1):99–105

Possible contribution of melatonin to the timing of the luteinizing hormone surge [letter] Brzezinski A, et al. **N Engl J Med** 1987 Jun 11;316(24):1550–1

Abnormal circadian melatonin secretion in night-shift workers [letter] Waldhauser F, et al. **N Engl J Med** 1986 Dec 18;315(25):1614

Acute effects of various chemotherapeutic combinations on hypophyseal and pineal hormone secretions in cancer patients. Barni S, et al. **Tumori** 1987 Apr 30;73(2):181–5

[Melatonin and the corticotropic function] Tourniaire J, et al. **Bull Acad Natl Med (Paris)** 1986 Jun;170(6):803–9 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Effects of olfactory bulbectomy, melatonin, and/or pinealectomy on three sublines of the Dunning R3327 rat prostatic adenocarcinoma. Toma JG, et al. **J Pineal Res** 1987;4(3):321–38

Influence of chronic melatonin on 9,10-dimethyl-1,2-benzanthracene-induced mammary tumors in female Holtzman rats exposed to continuous light. Kothari LS. **Oncology** 1987;44(1):64–6

TOXICITY

An ultrastructural morphometric study of the effects of chronic melatonin administration on the zona fasciculata of rat adrenal cortex. Rebuffat P, et al. **J Submicrosc Cytol** 1987 Jul;19(3):415–21

URINE

Circadian characteristics of urinary melatonin from clinically healthy young women at different civilization disease risks. Wetterberg L, et al. **Acta Med Scand** 1986;220(1):71–81

Nocturnal urinary melatonin excretion and plasma cortisol levels in children and adolescents after a single oral dose of dexamethasone. Lang U, et al. **Clin Endocrinol (Oxf)** 1986 Aug;25(2):165–72

The isolation, purification, and characterisation of the principal urinary metabolites of melatonin. Leone AM, et al. **J Pineal Res** 1987;4(3):253–66

[HPLC detection of pathologic metabolites of melanin and melatonin metabolism in the urine in malignant melanoma of the choroid] Dieckhues B. **Klin Monatsbl Augenheilkd** 1986 Jul;189(1):34–5 (Eng. Abstr.) **(Ger)**

MELEDA DISEASE see **KERATOSIS PALMARIS ET PLANTARIS**

MELENA

DIAGNOSIS

[Results of the Haemoccult test in neoplasms and other diseases of the digestive system] Bartnik W, et al. **Pol Arch Med Wewn** 1986 Oct;76(4):193–8 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Giant gastric lipoma presenting with fever and melena. Singh K, et al. **Indian J Gastroenterol** 1987 Jul;6(3):181–2
Epistaxis as a cause of hematemesis and melena. Hutchison SM, et al. **J Clin Gastroenterol** 1987 Jun;9(3):283–5
The pseudo-false positive Meckel's scan. Carr ME Jr. **NC Med J** 1987 Jan;48(1):18–20
Digestive tract hazards of marathon runners [letter] Scobie BA. **NZ Med J** 1987 Jan 28;100(816):26
Gramurin (oxolinic acid) treatment in acute enterocolitis accompanied by the discharge of bloody stool. Szalka A, et al. **Ther Hung** 1983;31(2):63–6
[Digestive hemorrhage caused by neoplasia of the papilla of Vater] Ciarelli A, et al. **Minerva Chir** 1987 Mar 15; 42(5):427–30 (Eng. Abstr.) **(Ita)**
[Whipple's disease associated with liver deposits of alpha-1 antitrypsin (Pi MS phenotype) and melena] Carballo Fernández C, et al. **Rev Esp Enferm Apar Dig** 1986 Nov; 70(5):443–7 (Eng. Abstr.) **(Spa)**

MELENGESTROL see under **PREGNADIENES**

MELIBIOSE see under **DISACCHARIDES**

MELIOIDOSIS

Melioidosis. Bovornkitti S, et al. **Arch Monaldi** 1985 Sep-Dec;40(5–6):203–10
Septic melioidosis after a visit to Southeast Asia. Bouvy JJ, et al. **Eur J Clin Microbiol** 1986 Dec;5(6):655–6

COMPLICATIONS

Pseudomonas pseudomallei (melioidosis): acute septicemia and meningitis in patient with systemic lupus erythematosus. Christenson-Bravo B, et al. **Bol Asoc Med PR** 1986 Aug;78(8):347–9
A case of melioidosis presenting with prostatic abscess in Hong Kong. Woo ML, et al. **J Urol** 1987 Jan;137(1):120–1
Renal failure in melioidosis. Susaengrat W, et al. **Nephron** 1987;46(2):167–9

DIAGNOSIS

Recrudescent pulmonary melioidosis. A case report involving the so-called 'Vietnamese time bomb'. Goshorn RK. **Indiana Med** 1987 Mar;80(3):247–9
Subacute pulmonary melioidosis in a temperate climate. Wilson JW, et al. **Med J Aust** 1987 Jul 20;147(2):95–6

OCCURRENCE

Melioidosis in Australia. A review. Guard RW. **Aust Fam Physician** 1987 Feb;16(2):119–23
Melioidosis: a new disease to New Zealand. Corkill MM, et al. **NZ Med J** 1987 Feb 25;100(818):106–7
[Origin, course and recession of an infectious disease, melioidosis, in temperate countries] Dodin A, et al. **Arch Inst Pasteur Tunis** 1986 Mar;63(1):69–73 **(Fre)**
[Epidemiological characteristics of melioidosis] Fedorov AI, et al. **Voen Med Zh** 1986 Oct;(10):78–80 **(Rus)**
[Imported cases of melioidosis and the epidemiological surveillance of its spread] Larionov GM. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Mar;(3):93–7 (48 ref.) **(Rus)**

VETERINARY

Naturally occurring melioidosis in a colonized rhesus monkey (Macaca mulatta). Fritz PE, et al. **Lab Anim** 1986 Oct; 20(4):281–5
Melioidosis and nymphal pentastomiasis in a cat [letter] Chooi KF. **Vet Rec** 1986 Sep 20;119(12):311

MELITTEN see under **BEE VENOMS**

MELKERSSON-ROSENTHAL SYNDROME

[The Melkersson-Rosenthal syndrome] Borić V, et al. **Chir Maxillofac Plast** 1986;16(1–2):57–61 (Eng. Abstr.) **(Scr)**

DIAGNOSIS

Melkersson-Rosenthal syndrome masquerading as tuberculoid leprosy. Pavithran K. **Indian J Lepr** 1987 Jan-Mar;59(1):26–9
Melkersson-Rosenthal syndrome. Minor MW, et al. **J Allergy Clin Immunol** 1987 Jul;80(1):64–7

PATHOLOGY

Intralesional T lymphocyte phenotypes and HLA-DR expression in Melkersson-Rosenthal syndrome. Rönnblom L, et al. **Int J Oral Maxillofac Surg** 1986 Oct;15(5):614–9
[A case of Melkersson-Rosenthal syndrome] Bosco G, et al. **G Ital Dermatol Venereol** 1987 Mar;122(3):111–3 (Eng. Abstr.) **(Ita)**

SURGERY

Melkersson-Rosenthal syndrome [letter] Lowbeer L. **South Med J** 1987 Sep;80(9):1203

MELNICK-NEEDLES SYNDROME see

OSTEOCHONDRODYSPLASIAS

MELORHEOSTOSIS

Melorheostosis of Leri--a case report. Hettiarachchi J, et al. **Ceylon Med J** 1986 Mar;31(1):35–8

DIAGNOSIS

Melorheostosis. A review of the literature and case report. Werner MS, et al. **J Am Podiatr Med Assoc** 1987 Feb; 77(2):96–8
[Craniofacial melorheostosis. Report of a case and review of the literature] Caroli A, et al. **Rev Stomatol Chir Maxillofac** 1987;88(1):40–7 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Successful symptomatic treatment of melorheostosis with nifedipine. Semble EL, et al. **Clin Exp Rheumatol** 1986 Jul-Sep;4(3):277–80
[A case of melorheostosis treated with a diphosphonate] Mora R, et al. **Acta Orthop Belg** 1986;52(6):856–61 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Melorheostosis. Sweriduk ST, et al. **Am Fam Physician** 1986 Dec;34(6):113–4
Melorheostosis: presentation of a case followed up for 24 years. Colavita N, et al. **Arch Orthop Trauma Surg** 1987; 106(2):123–5
[Ossifying soft tissue tumor in melorheostosis] Haller J, et al. **ROFO** 1987 Mar;146(3):358–60 **(Ger)**

RADIONUCLIDE IMAGING

Detection of melorheostosis on bone scan. Drane WE. **Clin Nucl Med** 1987 Jul;12(7):548–51

MELPHALAN

Synthesis and evaluation of melphalan-containing N,N-dialkylenkephalin analogues as irreversible antagonists of the delta opioid receptor. Lovett JA, et al. **J Med Chem** 1987 Sep;30(9):1668–74

ADMINISTRATION & DOSAGE

Normothermic isolation perfusion with melphalan for advanced melanoma of the limbs. Kroon BB, et al. **Anticancer Res** 1987 May-Jun;7(3 Pt B):441–2
Effectiveness of low-dose melphalan treatment against a nonimmunogenic primary induced mouse plasmacytoma. Ophir R, et al. **Anticancer Res** 1987 Jan-Feb;7(1):91–6
High-dose chemoradiotherapy and autologous bone marrow transplantation for resistant multiple myeloma. Barlogie B, et al. **Blood** 1987 Sep;70(3):869–72
Multiple myeloma treated with high dose intravenous melphalan. Selby PJ, et al. **Br J Haematol** 1987 May; 66(1):55–62
A simple and accurate new method for cytostatics dosimetry in isolation perfusion of the limbs based on exchangeable blood volume determination. Lejeune FJ, et al. **Cancer Res** 1987 Jan 15;47(2):639–43
Approaches to defining the mechanism of enhancement by Fluosol-DA 20% with carbogen of melphalan antitumor activity. Teicher BA, et al. **Cancer Res** 1987 Jan 15; 47(2):513–8
Phase II trial of high-dose melphalan and autologous bone marrow transplantation for metastatic colon carcinoma. Leff RS, et al. **J Clin Oncol** 1986 Nov;4(11):1586–91
[Clinical trial of a combination of human lymphoblastoid interferon (HLBI), melphalan and prednisolone (HLBI-MP) in multiple myeloma] Hara M, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1338–41 (Eng. Abstr.) **(Jpn)**
[A case of multiple myeloma responding very well to the combination of K18 with prednisolone] Ishioka C, et al. **Gan To Kagaku Ryoho** 1987 Apr;14(4):1164–6 (Eng. Abstr.) **(Jpn)**
[Comparative studies of intermittent melphalan and prednisolone (MP) versus 5-drug regimen (QUVMP) and 3-drug regimen (QUP) in multiple myeloma] Hoshino S, et al. **Rinsho Ketsueki** 1987 Mar;28(3):358–65 (Eng. Abstr.) **(Jpn)**
[Value of perfusion and infusion in the treatment of malignant melanoma of the lower extremities] Meyza J. **Pediatr Pol** 1986 Aug;61(8):521–3 **(Pol)**

ADVERSE EFFECTS

A comparison of the incidence of the myelodysplastic syndrome and acute myeloid leukaemia following melphalan and cyclophosphamide treatment for myelomatosis. A report to the Medical Research Council's working party on leukaemia in adults. Cuzick J, et al. **Br J Cancer** 1987 May;55(5):523–9
Cyclophosphamide priming reduces intestinal damage in man following high dose melphalan chemotherapy. Selby PJ, et al. **Br J Cancer** 1987 May;55(5):531–3
Iatrogenic myelomonocytic leukemia following melphalan treatment of scleromyxedema. Helm F, et al. **Cutis** 1987 Mar;39(3):219–23
Chromosome damage and second malignancy in patients treated with melphalan. Lambert B, et al. **IARC Sci Publ** 1986;(78):147–60
Radiation recall and radiosensitization with alkylating agents [letter] Kellie SJ, et al. **Lancet** 1987 May 16;1(8542):1149–50
Ovarian failure after high-dose melphalan in adolescents [letter] Kellie SJ, et al. **Lancet** 1987 Jun 20;1(8547):1425
Oral complications of high-dose melphalan in multiple myeloma. Barrett AP, et al. **Oral Surg Oral Med Oral Pathol** 1987 Aug;64(2):264–7
[Erythroleukemia in multiple myeloma. A case report] Streuli R, et al. **Schweiz Med Wochenschr** 1987 Feb 21; 117(8):286–91 (Eng. Abstr.) **(Ger)**
[Tumor lysis syndrome, DIC and interstitial pneumonia after treatment with prednisolone and melphalan in a patient with acute monocytic leukemia with tumor formation] Fukuda M, et al. **Rinsho Ketsueki** 1987 Apr;28(4):553–8 (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

Biopharmacokinetic evaluation of peptichemio (PTC) by reversed-phase high-performance liquid chromatography (HPLC): preliminary in vitro studies. Montaldo P, et al. **Boll Ist Sieroter Milan** 1987;66(1):78–85
Phase I study of beta-alanyl-melphalan as a potent anticancer drug. Tsay BL, et al. **Cancer Chemother Pharmacol** 1987; 19(3):190–6
Selective enhancement of antitumor activity of N-acetyl melphalan upon conjugation to monoclonal antibodies. Smyth MJ, et al. **Cancer Res** 1987 Jan 1;47(1):62–9
Peptichemio in pretreated patients with plasmacell neoplasms. Paccagnella A, et al. **Eur J Cancer Clin Oncol** 1986 Sep;22(9):1053–8

ANTAGONISTS & INHIBITORS

[Characteristics of beta-adrenoreceptors of L-1210 leukemia and its sarcolysine-resistant variant] Khabarov SV. **Biull Eksp Biol Med** 1987 Jun;103(6):715–7 (Eng. Abstr.) **(Rus)**

BLOOD

Melphalan concentration dependent plasma protein binding in healthy humans and rats. Greig NH, et al. **Eur J Clin Pharmacol** 1987;32(2):179–85

METABOLISM

Characterization of melphalan-glutathione adducts whose formation is catalyzed by glutathione transferases. Dulik DM, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3405–9
The effect of dietary amino acids on the gastrointestinal absorption of melphalan and chlorambucil. Adair CG, et al. **Cancer Chemother Pharmacol** 1987;19(4):343–6
Facilitated transport of melphalan at the rat blood-brain barrier by the large neutral amino acid carrier system. Greig NH, et al. **Cancer Res** 1987 Mar 15;47(6):1571–6
Immunological detection of DNA damage caused by melphalan using monoclonal antibodies. Tilby MJ, et al. **Cancer Res** 1987 Mar 15;47(6):1542–6
Conversion of melphalan to 4-(glutathionyl)phenylalanine. A novel mechanism for conjugation by glutathione-S-transferases. Dulik DM, et al. **Drug Metab Dispos** 1987 Mar-Apr;15(2):195–9

PHARMACODYNAMICS

Melphalan-induced DNA cross-linking in human melanoma cells and phytohaemagglutinin-stimulated lymphocytes in relation to intracellular drug content and cellular levels of glutathione. Hansson J, et al. **Anticancer Res** 1987 Jan-Feb;7(1):97–104
Reduced thiol content in L1210 cells treated with BSO increases DNA crosslinking by melphalan. Dorr RT. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):47–52
The effects of melphalan and misonidazole on the vasculature of a murine sarcoma. Murray JC, et al. **Br J Cancer** 1987 Mar;55(3):233–8
The effect of hyperthermia on the cytotoxicity of melphalan in Chinese hamster ovary cells. Bates DA, et al. **Cancer Lett** 1987 Feb;34(2):145–55
Melphalan-induced enhancement of antitumor immune reactivity in thymocytes of adult BALB/c mice bearing a large MOPC-315 tumor. Bartik MM, et al. **Cancer Res** 1987 Sep 15;47(18):4848–55
Glucocorticoid effect on melphalan cytotoxicity, cell-cycle position, cell size, and [3H]uridine incorporation in one of three human melanoma cell lines. Benckhuijsen C, et al. **Cancer Res** 1987 Sep 15;47(18):4814–20
Sensitivity to melphalan as a function of transport activity and proliferative rate in BALB/c 3T3 fibroblasts. Blosmanis R, et al. **Cancer Res** 1987 Mar 1;47(5):1273–7
Chemosensitization of L-phenylalanine mustard by the thiol-modulating agent buthionine sulfoximine. Kramer RA, et al. **Cancer Res** 1987 Mar 15;47(6):1593–7
Effects of various oxygenation conditions on the enhancement by Fluosol-DA of melphalan antitumor activity. Teicher BA, et al. **Cancer Res** 1987 Oct 1; 47(19):5036–41
Differences in sensitivity to melphalan between con A-activated and nonactivated human T-cell subsets. Komlos L, et al. **Clin Immunol Immunopathol** 1987 Oct; 45(1):105–13
DNA binding by adriamycin, melphalan,

cis-dichloro-diammineplatinum (II) and nornitrogen mustard assessed by restriction enzyme block. Shepherd KM, et al. **Res Commun Chem Pathol Pharmacol** 1986 Dec; 54(3):367–78

Enhancement of cytogenetic damage by inhibitors of poly(ADP-ribose)polymerase in human lymphocytes exposed to antineoplastics in vivo and in vitro. Mourelatos D, et al. **Teratogenesis Carcinog Mutagen** 1986;6(6):485–92

THERAPEUTIC USE

Enhanced melphalan cytotoxicity in human ovarian cancer in vitro and in tumor-bearing nude mice by buthionine sulfoximine depletion of glutathione. Ozols RF, et al. **Biochem Pharmacol** 1987 Jan 1;36(1):147–53

The in vitro and in vivo anti-tumour activity of N-AcMEL-(Fab')2 conjugates. Smyth MJ, et al. **Br J Cancer** 1987 Jan;55(1):7–11

Specificity of the generation and expression of enhanced anti-plasmacytoma immunity by spleen cells from melphalan-treated MOPC-315 tumor bearers. Mokyr MB, et al. **Cancer Immunol Immunother** 1986;23(1):11–9

Formation and removal of DNA cross-links induced by melphalan and nitrogen mustard in relation to drug-induced cytotoxicity in human melanoma cells. Hansson J, et al. **Cancer Res** 1987 May 15;47(10):2631–7

Second-line chemotherapy of stage III-IV ovarian carcinoma: a randomized comparison of melphalan to melphalan and hexamethylmelamine in patients with persistent disease after doxorubicin and cisplatin. Pater JL, et al. **Cancer Treat Rep** 1987 Mar;71(3):277–81

Aggressive angiofollicular lymph node hyperplasia (Castleman's disease) treated with high dose melphalan and autologous bone marrow transplantation. Repetto L, et al. **Hematol Oncol** 1986 Jul-Sep;4(3):213–7

Interferon alfa-2b/melphalan/prednisone in previously untreated patients with multiple myeloma: a phase I–II trial. Cooper MR, et al. **Invest New Drugs** 1987;5 Suppl:S41–6

Ten-year analysis of the NSABP B-50 study [letter] Goodwin PJ, et al. **J Clin Oncol** 1986 Nov;4(11):1718–21

Resolution of acquired factor X deficiency and amyloidosis with melphalan and prednisone therapy. Camoriano JK, et al. **N Engl J Med** 1987 Apr 30;316(18):1133–5

Recovery of blood and bone marrow stem cells following intense chemotherapy and autologous bone marrow transplantation. Thomas MR, et al. **Oncology** 1986; 43(5):273–7

Adjuvant treatment with melphalan in ovarian carcinoma with no residual disease following surgery. Spatti G, et al. **Tumori** 1987 Apr 30;73(2):157–62

Isolated regional perfusion in malignant melanoma of the extremities. Schraffordt Koops H, et al. **World J Surg** 1987 Aug;11(4):527–33

[Randomized melanoma study of perfusion of the extremities. Results of treatment 2 1/2 years after premature discontinuation] Ghussen F, et al. **Chirurg** 1986 Oct; 57(10):619–23 (Eng. Abstr.) **(Ger)**

[Total body irradiation, vincristine in continuous infusion and high-dose melphalan with transplant of autologous bone marrow in the treatment of neuroblastoma] Dini G, et al. **Pediatr Med Chir** 1987 Jan-Feb;9(1):1–7 (Eng. Abstr.) **(Ita)**

[Treatment with K-18 (IgG-melphalan) in recurrent cases of hematopoietic malignancies] Shibata H, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):2974–80 (Eng. Abstr.) **(Jpn)**

[Disordered DNA repair in tumor cells as affected by sarcolysine] Kozlova IS, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):463–5 (Eng. Abstr.) **(Rus)**

[Chemoradiation pathomorphosis of Ewing's tumor and reticulosarcoma] Polonskaia NIu. **Med Radiol (Mosk)** 1987 Apr;32(4):11–3 (Eng. Abstr.) **(Rus)**

TOXICITY

Comparison of melphalan toxicity in human lymphocytic cells and Chinese hamster cells in vitro: the relationship between DNA-DNA cross-link formation and clonogenic survival. Millar BC, et al. **Carcinogenesis** 1987 Sep; 8(9):1225–9

Zinc-induced reduction in melphalan cytotoxicity: heterogeneity of response of cloned human tumor cells. Tobey RA, et al. **J Cell Physiol** 1987 May;131(2):235–9

Differential sensitization of human ovarian carcinoma and mouse L1210 cells to cisplatin and melphalan by glutathione depletion. Andrews PA, et al. **Mol Pharmacol** 1986 Dec;30(6):643–50

MEMANTINE see under **AMANTADINE**

MEMBRANE-BOUND IMMUNOGLOBULINS see **IMMUNOGLOBULINS, SURFACE**

MEMBRANE CHANNELS see **ION CHANNELS**

MEMBRANE FLUIDITY

Analysis of membrane fluidity alterations and lipid disorders in type I diabetic children and adolescents. Watala C, et al. **Acta Diabetol Lat** 1987 Apr-Jun;24(2):141–8

Platelet membrane fluidity in Alzheimer's disease and major depression. Zubenko GS, et al. **Am J Psychiatry** 1987 Jul; 144(7):860–8

Modulation of membrane proteins by vertical phase separation and membrane lipid fluidity. Basis for a new approach to tumor immunotherapy. Muller CP, et al. **Anticancer Res** 1986 Sep-Oct;6(5):1181–93 (146 ref.)

Age related changes in fluidity of rat renal brushborder membrane vesicles. Medow MS, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):849–56

Changes of membrane fluidity in chemotactic peptide-stimulated polymorphonuclear leukocytes. Valentino M, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1151–6

Lipid alterations in liver and kidney induced by normobaric hyperoxia: correlations with changes in microsomal membrane fluidity. Casals C, et al. **Biochem Med Metab Biol** 1987 Jun;37(3):269–81

Lipid domain structure correlated with membrane protein function in placental microvillus vesicles. Illsley NP, et al. **Biochemistry** 1987 Jan 27;26(2):446–54

Quantitative contributions of cholesterol and the individual classes of phospholipids and their degree of fatty acyl (un)saturation to membrane fluidity measured by fluorescence polarization. van Blitterswijk WJ, et al. **Biochemistry** 1987 Mar 24;26(6):1746–56

Catalytic hydrogenation of fatty acyl chains in plasma membranes; effect on membrane lipid fluidity and expression of cell surface antigens. Benkö S, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):129–35

Estimation of spin probe clustering in biological membranes. Gordon LM, et al. **Biochim Biophys Acta** 1987 Apr 9; 898(2):202–13

Alternations in lipid membrane fluidity and the physical state of cell-surface sialic acid in zinc-deficient rat erythrocyte ghosts. Jay M, et al. **Biochim Biophys Acta** 1987 Mar 12; 897(3):507–11

Parallel investigation of exocytosis kinetics and membrane fluidity changes in human platelets with the fluorescent probe, trimethylammonio-diphenylhexatriene. Kubina M, et al. **Biochim Biophys Acta** 1987 Jul 10;901(1):138–46

A change in the lipid fluidity of the porcine intestinal brush-border membranes by lipid peroxidation. Studies using pyrene and fluorescent stearic acid derivatives. Ohyashiki T, et al. **Biochim Biophys Acta** 1986 Oct 9; 861(2):311–8

Modification of membrane physical properties, biological response and insulin binding in Friend cells by low serum concentration. Simon I, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):165–72

Fluidity-dependence of membrane adhesiveness can be explained by thermotropic shifts in surface potential. Tatulian SA. **Biochim Biophys Acta** 1987 Jul 10; 901(1):161–5

Thermodynamic and phase characterization of phosphatidylethanolamine and ganglioside GD1a mixtures. Tsao YS, et al. **Biochim Biophys Acta** 1987 Jun 12; 900(1):79–87

Adaptive mechanism for abnormal membrane fluidity in congenital red cell membrane lipid abnormalities. Yawata Y, et al. **Biomed Biochim Acta** 1987;46(2-3):S26–30

Effects of spatial variation in membrane diffusibility and solubility on the lateral transport of membrane components. Eisinger J, et al. **Biophys J** 1986 Sep;50(3):513–21

Fluidity of normal and epileptogenic freeze-lesioned synaptic membranes in the cat. Nelson L, et al. **Brain Res** 1986 Oct 29;386(1-2):32–40

Changes in cell membrane fluidity affect the sodium transport across frog skin and its sensitivity to amiloride. Lagerspetz KY, et al. **Comp Biochem Physiol [A]** 1987;87(4):873–6

Membrane fluidity measured by fluorescence polarization using an EPICS V cell sorter. Fox MH, et al. **Cytometry** 1987 Jan;8(1):20–5

Nitrate starvation induces homeoviscous regulation of lipids in the cell envelope of the blue-green alga, Anacystis nidulans. Gombos Z, et al. **Eur J Biochem** 1987 Jun 1; 165(2):461–5

Alterations in lateral lipid mobility in the plasma membrane of urodelean ectodermal cells during gastrulation. Dupou L, et al. **Exp Cell Res** 1987 Apr;169(2):502–13

Effects of hypercholesterolemia on the microsomal membrane fluidity of intimal-medial versus medial layers of swine aorta: implications for the pathogenesis of vasospasm. Gillies P, et al. **Exp Mol Pathol** 1987 Aug; 47(1):90–7

Decreased microsomal membrane fluidity in the development of cholesterol-induced atherosclerosis in the rabbit. Robinson C, et al. **Exp Mol Pathol** 1986 Dec;45(3):294–302

What should hepatologists know about membrane fluidity? Harris RA, et al. **Hepatology** 1987 Jan-Feb;7(1):177–80 (45 ref.)

Fetal and adult human liver differ markedly in the fluidity and lipid composition of their microsomal membranes. Kapitulnik J, et al. **Hepatology** 1987 Jan-Feb;7(1):55–60

Increased erythrocyte stearic acid desaturation in rats with chemically induced colorectal carcinomas. Habib NA, et al. **Int J Color Dis** 1987 Feb;2(1):12–4

The development of regionalized lipid diffusibility in the germ cell plasma membrane during spermatogenesis in the mouse. Wolf DE, et al. **J Cell Biol** 1986 Nov;103(5):1745–50

Micrometer-scale domains in fibroblast plasma membranes. Yechiel E, et al. **J Cell Biol** 1987 Aug;105(2):755–60

Increased calcium absorption in prehypertensive spontaneously hypertensive rat. Role of serum 1,25-dihydroxyvitamin D3 levels and intestinal brush border membrane fluidity. Lau K, et al. **J Clin Invest** 1986 Oct;78(4):1083–90

Effect of cholesterol feeding on membrane fluidity, (Na+ + K+)ATPase, adenylate cyclase, [3H]-ouabain-, and [3H]-dihydroalprenolol-binding in rat submandibular salivary glands. Alam SQ, et al. **J Dent Res** 1987 Feb; 66(2):605–7

Measurement of membrane fluidity of polymorphonuclear leukocytes by flow cytometry. Masuda M, et al. **J Immunol Methods** 1987 Feb 11;96(2):225–31

Spin labeling study on membrane fluidity of epidermal cell (cow snout epidermis). Tanaka T, et al. **J Invest Dermatol** 1986 Dec;87(6):745–7

Adenylate cyclase activity, membrane fluidity and fatty acid composition of rat heart in essential fatty acid deficiency. Alam SQ, et al. **J Mol Cell Cardiol** 1987 May;19(5):465–75

Proliferation of internal membranes in platelets from patients with Alzheimer's disease. Zubenko GS, et al. **J Neuropathol Exp Neurol** 1987 Jul;46(4):407–18

Effect of essential fatty acid deficiency on acyl group composition, membrane fluidity and adenylate cyclase activity in plasma membranes of rat submandibular salivary glands. Alam SQ, et al. **J Nutr** 1986 Sep;116(9):1620–30

Dietary fatty acid modulation of murine B-cell responsiveness. Erickson KL, et al. **J Nutr** 1986 Sep; 116(9):1830–40

Protein malnutrition and the function and fluidity of the intestinal microvillus membrane in growing rats. Livshin L, et al. **J Nutr** 1987 Apr;117(4):684–8

Influence of polyunsaturated fatty acid supplementation and membrane fluidity on ozone and nitrogen dioxide sensitivity of rat alveolar macrophages. Rietjens IM, et al. **J Toxicol Environ Health** 1987;21(1-2):45–56

Decreased membrane "fluidity" of T lymphocytes from untreated patients with Hodgkin's disease. Aleksijevic A, et al. **Leuk Res** 1986;10(12):1477–84

Cell surface oligosaccharide modulation during differentiation. II. Membrane mobility of oligosaccharide lectin conjugates. Mann PL, et al. **Mech Ageing Dev** 1987 May;38(3):219–30

Membrane phospholipid composition and membrane fluidity of human brain tumour: a spin label study. Hattori T, et al. **Neurol Res** 1987 Mar;9(1):38–43

Membrane fluidity and phospholipid composition in relation to sulfur amino acid intake in brush border membranes of rat kidney. Chesney RW, et al. **Pediatr Res** 1986 Dec; 20(12):1305–9

Membrane fluidity and thromboxane synthesis in platelets from patients with severe atherosclerosis. Moscat J, et al. **Thromb Res** 1986 Oct 15;44(2):197–205

[Cell membrane fluidity of lymphocytes in asthmatic patients] Iizuka K, et al. **Arerugi** 1986 Jun;35(6):387–92 (Eng. Abstr.) **(Jpn)**

[Fluidity and lipid dynamics in biomembrane from a fluorescence depolarization study] Araiso T, et al. **Nippon Seirigaku Zasshi** 1987;49(1):1–11 (31 ref.) **(Jpn)**

[Decreased erythrocyte membrane fluidity in spinocerebellar degeneration] Yasuda Y, et al. **Rinsho Shinkeigaku** 1986 Jul;26(7):673–9 (Eng. Abstr.) **(Jpn)**

[The interaction of alpha-tocopherol with phospholipid liposomes: the absence of transbilayer mobility] Tiurin VA, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):689–92 (Eng. Abstr.) **(Rus)**

[Membrane fluidity as a factor modulating the counter-gradient transport of sodium ions from the cell] Airapetian SN, et al. **Dokl Akad Nauk SSSR** 1986; 291(2):469–72 **(Rus)**

DRUG EFFECTS

Comparative effects of ethanol and other depressant drugs on membrane order in rat synaptosomes using ESR spectroscopy. Logan BJ, et al. **Alcohol Drug Res** 1987; 7(1):11–24

In vitro effects of ethanol on erythrocyte membrane fluidity of alcoholic patients: an electron spin resonance study. Wood WG, et al. **Alcoholism (NY)** 1987 Aug;11(4):332–5

Nitrogen dioxide-induced changes in cell membrane fluidity and function. Patel JM, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1196–202

Cholesterol modulation of membrane fluidity and ecto-nucleotide triphosphatase activity in human normal and CLL lymphocytes. Deliconstantinos G, et al. **Anticancer Res** 1987 May-Jun;7(3 Pt B):347–52

Effects of dietary sunflowerseed oil and marine oil on platelet membrane fluidity, arterial thrombosis, and platelet responses in rats. Rand ML, et al. **Atherosclerosis** 1986 Dec; 62(3):267–76

Substance P induces alterations on cerebral lipids involved in membrane fluidity. Catalán RE, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):232–7

Modulation of lipid fluidity of small- and large-intestinal antipodal membranes by Ca2+. Brasitus TA, et al. **Biochem J** 1986 Nov 1;239(3):625–31

Glucocorticoids increase the fluidity of the fetal-rat liver microsomal membrane in the perinatal period. Kapitulnik J, et al. **Biochem J** 1986 Oct 1;239(1):41–5

Charged anaesthetics alter LM-fibroblast plasma-membrane enzymes by selective fluidization of inner or outer membrane leaflets. Sweet WD, et al. **Biochem J** 1986 Oct 15;239(2):301–10

Decrease in lipid mobility in rat erythrocyte membrane after amiodarone chronic treatment. Chatelain P, et al.

Biochem Pharmacol 1987 May 1;36(9):1564–5
Evaluation of membrane fluidity effects and enzyme activities alterations in adriamycin neurotoxicity. Deliconstantinos G, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):1153–61
Effect of short-chain primary alcohols on fluidity and activity of sarcoplasmic reticulum membranes. Almeida LM, et al. **Biochemistry** 1986 Aug 26;25(17):4832–9
Charged anesthetics selectively alter plasma membrane order. Sweet WD, et al. **Biochemistry** 1987 May 19;26(10):2828–35
1,2–Dimethylhydrazine–induced alterations in colonic plasma membrane fluidity: restriction to the luminal region. Brasitus TA, et al. **Biochim Biophys Acta** 1987 Jan 26; 896(2):311–7
The role of sphingomyelin synthetase and sphingomyelinase in 1,2–dimethylhydrazine–induced lipid alterations of rat colonic plasma membranes. Dudeja PK, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):309–12
Effects of ketamine anesthesia on rat–brain membranes: fluidity changes and kinetics of acetylcholinesterase. Mazzanti L, et al. **Biochim Biophys Acta** 1986 Sep 25; 861(1):105–10
Relation between Ca2+ uptake and fluidity of brush–border membranes isolated from rabbit small intestine and incubated with fatty acids and methyl oleate. Merrill AR, et al. **Biochim Biophys Acta** 1987 Jan 9;896(1):89–95
Quinidine and melittin both decrease the fluidity of liver plasma membranes and both inhibit hormone–stimulated adenylate cyclase activity. Needham L, et al. **Biochim Biophys Acta** 1987 May 12;899(1):44–50
Induction, by adriamycin and mitomycin C, of modifications in lipid composition, size distribution, membrane fluidity and permeability of cultured RDM4 lymphoma cells. Oth D, et al. **Biochim Biophys Acta** 1987 Jun 30;900(2):198–208
The influence of dolichols on fluidity of mouse synaptic plasma membranes. Schroeder F, et al. **Biochim Biophys Acta** 1987 Sep 3;902(3):385–93
Influence of alcohols, temperature, and region on the mobility of lipids in neuronal membrane. Treistman SN, et al. **Biochim Biophys Acta** 1987 Apr 9;898(2):109–20
Cytoplasmic proteins, association with phospholipid vesicles and its dependency on cholesterol. Okimasu E, et al. **Cell Struct Funct** 1986 Sep;11(3):273–83
Effect of gonadotropin on rat testicular membrane lipid fluidity. Kolena J, et al. **Gen Physiol Biophys** 1986 Jun; 5(3):331–5
The effect of changes in the fluid state of rat liver plasma membrane on the transport of taurocholate. Mills PR, et al. **Hepatology** 1987 Jan–Feb;7(1):61–6
A 2H NMR study on alteration of the membrane organization of mouse B16 melanoma cells treated with 12–O–tetradecanoylphorbol–13–acetate. Sugimoto Y, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):867–74
Thyrotropin regulation of membrane lipid fluidity in the FRTL–5 thyroid cell line. Its relationship to cell growth and functional activity. Beguinot F, et al. **J Biol Chem** 1987 Feb 5;262(4):1575–82
Correction by 1–25–dihydroxycholecalciferol of the abnormal fluidity and lipid composition of enterocyte brush border membranes in vitamin D–deprived rats. Brasitus TA, et al. **J Biol Chem** 1986 Dec 15;261(35):16404–9
Fusion of negatively charged phospholipid vesicles by insulin. Relationship with lipid fluidity. Farías RN, et al. **J Biol Chem** 1986 Nov 25;261(33):15508–12
Effect of prostaglandins E2 and F2 alpha on membrane calcium binding, Ca2+/Mg2+–ATPase activity and membrane fluidity in rat myometrial plasma membranes. Deliconstantinos G, et al. **J Endocrinol** 1986 Sep; 110(3):395–404
Effect of altered membrane structure on NK cell–mediated cytotoxicity. III. Decreased susceptibility to natural killer cytotoxic factor (NKCF) and suppression of NKCF release by membrane rigidification. Roozemond RC, et al. **J Immunol** 1987 Sep 1;139(5):1739–46
Modulation of rat striatal membrane fluidity: effects on age related differences in dopamine receptor concentrations. Henry JM, et al. **Life Sci** 1986 Oct 6;39(14):1223–9
Fluidizing effects of centrophenoxine in vitro on brain and liver membranes from different age groups of mice. Wood WG, et al. **Life Sci** 1986 Dec 1;39(22):2089–95
Effect of chronic ethanol abuse on the physico–chemical properties of erythrocyte membranes in man. Benedetti A, et al. **Pharmacol Res Commun** 1986 Nov;18(11):1003–14
Study on the interaction of Se and erythrocyte membrane—effect of Se on the Na, K–ATPase activity and fluidity of erythrocyte membranes. Yang FY, et al. **Sci Sin [B]** 1986 Oct;29(10):1077–83
Alteration of erythrocyte membrane fluidity by heavy metal cations. Amoruso MA, et al. **Toxicol Ind Health** 1987 Mar; 3(1):135–44
[Effect of 3,4–dihydroxyacetophenone on the membrane fluidity of platelets by fluorescence polarization analysis] Shi L, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Mar; 7(2):149–51 (Eng. Abstr.) **(Chi)**
[Action of sodium artesunate on [3H]uridine incorporation and the cell membrane of mouse spleen cells] Song QL, et al. **Chung Kuo Yao Li Hsueh Pao** 1987 Jan;8(1):72–6 (Eng. Abstr.) **(Chi)**
[Effects of benbane drugs on the thermotropic transition behavior of phospholipid membranes] Wang SM, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Mar;7(2):114–6 (Eng. Abstr.) **(Chi)**
[Effect of gossypol formic acid on the fluidity of the spermatocyte plasma membrane of the rat] Zhao DP, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jan;7(1):72–5 (Eng. Abstr.) **(Chi)**
[Effects of ingestion of oxidized fish oils on membrane fluidity, and the activity of hepatic microsome enzymes in rats. Influence of vitamin A overload] Mounié J, et al. **C R Soc Biol (Paris)** 1986;180(4):416–25 (Eng. Abstr.) **(Fre)**
[Effect of phenothiazines on the viscosity and electrical stability of model phospholipid membranes] Parnev OM, et al. **Biull Eksp Biol Med** 1987 May;103(5):555–7 (Eng. Abstr.) **(Rus)**
[Mechanism of the membrane–stabilizing effect of 1–(chloromethyl)silatrane] Pisarskiĭ IuV, et al. **Dokl Akad Nauk SSSR** 1987;293(3):724–7 **(Rus)**
[Effect of thyroid hormones on heat–induced changes in the EPR–spectra of erythrocytes] Marzoev AI, et al. **Probl Endokrinol (Mosk)** 1987 Mar–Apr;33(2):75–8 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Alteration of membrane conductivity and fluidity in human erythrocyte membranes and erythrocyte ghosts following gamma–irradiation. Bonincontro A, et al. **Int J Radiat Biol** 1987 Sep;52(3):447–57
Effects of ultraviolet irradiation on cultured B–16 melanoma cells—membrane fluidity, lipid composition and phospholipase activity. Sakanashi T, et al. **Kurume Med J** 1986;33(2):61–8

MEMBRANE FUSION

Synexin and chromaffin granule membrane fusion. A novel "hydrophobic bridge" hypothesis for the driving and directing of the fusion process. Pollard HB, et al. **Ann NY Acad Sci** 1987;493:524–41
Modulation of the lipid composition of boar sperm plasma membranes during an acrosome reaction in vitro. Nikolopoulou M, et al. **Arch Biochem Biophys** 1986 Oct; 250(1):30–7
Studies on the mechanism of entry of vaccinia virus in animal cells. Janeczko RA, et al. **Arch Virol** 1987;92(1–2):135–50
pH–independent HIV entry into CD4–positive T cells via virus envelope fusion to the plasma membrane. Stein BS, et al. **Cell** 1987 Jun 5;49(5):659–68
Screening of enzymatic mechanisms possible involved in membrane fusion during exocytosis in Paramecium cells. Lumpert CJ, et al. **Cell Biol Int Rep** 1987 May;11(5):405–14
Fusion of native Sendai virions with human erythrocytes. Quantitation by fluorescence photobleaching recovery. Aroeti B, et al. **Exp Cell Res** 1987 Jun;170(2):322–37
Intracellular organelle motility and membrane fusion processes in human neutrophils upon cell activation. Mollinedo F, et al. **FEBS Lett** 1987 Jun 15;217(2):158–62
Quantitative determination of virus–membrane fusion events. Fusion of influenza virions with plasma membranes and membranes of endocytic vesicles in living cultured cells. Nussbaum O, et al. **FEBS Lett** 1987 Aug 31;221(1):61–7
ATP keeps exocytosis sites in a primed state but is not required for membrane fusion: an analysis with Paramecium cells in vivo and in vitro. Vilmart–Seuwen J, et al. **J Cell Biol** 1986 Oct;103(4):1279–88
Structural features of the terminal loop region of frog retinal rod outer segment disk membranes: III. Implications of the terminal loop complex for disk morphogenesis, membrane fusion, and cell surface interactions. Corless JM, et al. **J Comp Neurol** 1987 Mar 1;257(1):24–38
Time and temperature dependence of influenza virus membrane fusion at neutral pH. Haywood AM, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2813–7
Epidermal permeability barrier: transformation of lamellar granule–disks into intercellular sheets by a membrane fusion process [letter] Elias PM, et al. **J Invest Dermatol** 1987 Apr;88(4):459–60
Reconstitution of functional influenza virus envelopes and fusion with membranes and liposomes lacking virus receptors. Nussbaum O, et al. **J Virol** 1987 Jul; 61(7):2245–52
Currents through the fusion pore that forms during exocytosis of a secretory vesicle. Breckenridge LJ, et al. **Nature** 1987 Aug 27–Sep 2;328(6133):814–7
The nucleotide sequence of the mRNA encoding the fusion protein of measles virus (Edmonston strain): a comparison of fusion proteins from several different paramyxoviruses. Richardson C, et al. **Virology** 1986 Dec;155(2):508–23
Conformational changes in the hemagglutinin of influenza virus which accompany heat–induced fusion of virus with liposomes. Ruigrok RW, et al. **Virology** 1986 Dec; 155(2):484–97

DRUG EFFECTS

Ca2+–induced fusion of large unilamellar phosphatidylserine/cholesterol vesicles. Bental M, et al. **Biochim Biophys Acta** 1987 Apr 9;898(2):239–47
Fusogenic activity of delta–haemolysin from Staphylococcus aureus in phospholipid vesicles in the liquid–crystalline phase. Morgan CG, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):129–38
Polylysine induces pH–dependent fusion of acidic phospholipid vesicles: a model for polycation–induced fusion. Walter A, et al. **Biochim Biophys Acta** 1986 Oct 9;861(2):319–30
Factors controlling phosphate–calcium–induced fusion for erythrocytes of several species. Baker RF, et al. **Biomed Biochim Acta** 1987;46(2–3):S98–102
Membrane capacity measurements suggest a calcium–dependent insertion of synexin into phosphatidylserine bilayers. Rojas E, et al. **FEBS Lett** 1987 Jun 8;217(1):25–31
Cation–induced aggregation of membrane vesicles isolated from vascular smooth muscle. Kwan CY. **J Bioenerg Biomembr** 1986 Dec;18(6):487–505
Fusion of negatively charged phospholipid vesicles by insulin. Relationship with lipid fluidity. Farías RN, et al. **J Biol Chem** 1986 Nov 25;261(33):15508–12

MEMBRANE LIPIDS

Conformation and mode of organization of amphiphilic membrane components: a conformational analysis. Brasseur R, et al. **Biochem J** 1986 Aug 15;238(1):1–11 (76 ref.)
Solubilization of lipids from hamster bile–canalicular and contiguous membranes and from human erythrocyte membranes by conjugated bile salts. Graham JM, et al. **Biochem J** 1987 Mar 15;242(3):825–34
Vanadyl ions increase the order parameter of plasma membranes without changing the rotational relaxation time. Amler E, et al. **Biochim Biophys Acta** 1986 Dec 1; 863(1):18–22
The combined and separate effects of low temperature and freezing on membrane lipid mesomorphic phase behavior: relevance to cryobiology. Caffrey M. **Biochim Biophys Acta** 1987 Jan 9;896(1):123–7
Spontaneous vesicularization of myelin lipids is counteracted by myelin basic protein. Fraser PE, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):282–8
Interactions of mitochondrial precursor protein apocytochrome c with phosphatidylserine in model membranes. A monolayer study. Pilon M, et al. **Biochim Biophys Acta** 1987 Aug 20;902(2):207–16
2H–NMR, 31P–NMR and DSC characterization of a novel lipid organization in calcium–dioleoylphosphatidate membranes. Implications for the mechanism of the phosphatidate calcium transmembrane shuttle. Smaal EB, et al. **Biochim Biophys Acta** 1987 Mar 12;897(3):453–66
Molecular interactions and thermotropic behavior of glycosphingolipids in model membrane systems. Maggio B, et al. **Chem Phys Lipids** 1986 Dec 15;42(1–3):49–63 (54 ref.)
Mixtures of lecithin with polymerizable derivatives of cholesterol. A monolayer film balance study. Albrecht O, et al. **Eur Biophys J** 1986;14(2):97–102
Theory of lipid monolayer and bilayer chain–melting phase transitions. Nagle JF. **Faraday Discuss Chem Soc** 1986; (81):151–62
Carminic acid–promoted oxygen radical damage to lipid and carbohydrate. Gutteridge JM, et al. **Food Addit Contam** 1986 Oct–Dec;3(4):289–93
Envelope perturbation and AIDS [letter] Reimund E. **Lancet** 1986 Nov 15;2(8516):1159
Comparison of the effect of eleven beta–adrenoceptor blocking drugs in perturbing lipid membrane: an ESR spectroscopy study. Ondriaš K, et al. **Mol Pharmacol** 1987 Jan;31(1):97–102
Role of amphiphilic compounds in the evolution of membrane structure on the early earth. Deamer DW. **Orig Life Evol Biosph** 1986;17(1):3–25
[Models of biological membranes containing gangliosides] Oganesian RS, et al. **Biofizika** 1987 Jan–Feb;32(1):64–8 (Eng. Abstr.) **(Rus)**
[Characteristics of prostaglandin E1 interaction with components of biological membranes] Sorokina AD, et al. **Biofizika** 1986 Jul–Aug;31(4):616–20 (Eng. Abstr.) **(Rus)**
[Effect of diets with different linoleic acid levels on the aggregation of thrombocytes, their sensitivity to calcium and microviscosity of the thrombocyte membrane in rats] Pinelis VG, et al. **Biull Eksp Biol Med** 1987 Aug; 104(8):160–2 **(Rus)**

ANALYSIS

The direct effect of 1,25–dihydroxycholecalciferol on membrane phospholipid composition and phosphate transport. Kurnik BR, et al. **Adv Exp Med Biol** 1986; 208:115–24
Lipid composition and orientation in secretory vesicles. Westhead EW. **Ann NY Acad Sci** 1987;493:92–100
Prostaglandin synthesis and membrane fatty acid composition in the heart of obese Zucker rats. Escoubet B, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):589–95
Effect of a zinc–deficient diet on mitochondrial and microsomal lipid composition in TEPC–183 plasmacytoma. Burke JP, et al. **Biochem Med Metab Biol** 1987 Apr; 37(2):148–56
Lipid mobility and order in bovine rod outer segment disk membranes. A spin–label study of lipid–protein interactions. Pates RD, et al. **Biochemistry** 1987 Jan 13; 26(1):29–39
Phospholipid distribution in the microenvironment of the immunoglobulin E–receptor from rat basophilic leukemia cell membrane. Rivnay B, et al. **Biochemistry** 1986 Sep 23;25(19):5686–93
Phenylhydrazine–induced changes in erythrocyte membrane surface lipid packing. Arduini A, et al.

Biochim Biophys Acta 1986 Nov 6;862(1):65-71

Phospholipid topology and flip-flop in intestinal brush-border membrane. Barsukov LI, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):87-99

Membrane phospholipid organization in calcium-loaded human erythrocytes. Chandra R, et al. **Biochim Biophys Acta** 1987 Aug 20;902(2):253-62

Circadian rhythms in Neurospora crassa: membrane composition of a mutant defective in temperature compensation. Coté GG, et al. **Biochim Biophys Acta** 1987 Mar 26;898(1):23-36

2H-NMR studies on ether lipid-rich bacterial membranes: deuterium order profile of Clostridium butyricum. Johnston NC, et al. **Biochim Biophys Acta** 1987 May 29;899(2):302-6

Membrane lipid changes in erythrocytes, liver and kidney in acute and chronic experimental liver disease in rats. Kawata S, et al. **Biochim Biophys Acta** 1987 Jan 9; 896(1):26-34

Altered physiological responsiveness and decreased cyclic AMP levels in rat atria after dietary cod liver oil supplementation and its possible association with an increased membrane phospholipid n-3/n-6 fatty acid ratio. Laustiola K, et al. **Biochim Biophys Acta** 1986 Oct 31; 889(1):95-102

1,25-Dihydroxyvitamin D-3 alters membrane phospholipid composition and enhances calcium efflux in HL-60 cells. Levy R, et al. **Biochim Biophys Acta** 1987 Aug 20; 902(2):178-82

Topological distribution of aminophospholipid fatty acids in trout intestinal brush-border membrane. Pelletier X, et al. **Biochim Biophys Acta** 1987 Aug 20;902(2):223-8

Structure and metastability of N-lignocerylgalactosylsphingosine (cerebroside) bilayers. Reed RA, et al. **Biochim Biophys Acta** 1987 Jan 26; 896(2):153-64

Polylysine induces pH-dependent fusion of acidic phospholipid vesicles: a model for polycation-induced fusion. Walter A, et al. **Biochim Biophys Acta** 1986 Oct 9;861(2):319-30

Direct determination by 2H-NMR of the ionization state of phospholipids and of a local anaesthetic at the membrane surface. Watts A, et al. **Biochim Biophys Acta** 1986 Oct 9;861(2):368-72

Fatty acids and carbohydrate-containing lipids in four Micrococcaceae strains. Melin AM, et al. **Biochimie** 1986 Oct-Nov;68(10-11):1201-9

Biological and therapeutic potential of membrane lipid modification in tumors. Spector AA, et al. **Cancer Res** 1987 Sep 1;47(17):4529-37 (109 ref.)

Lipid and protein characterisation of neuromuscular synaptosomal membranes from rabbit diaphragm. Venkov L, et al. **Cell Mol Biol** 1987;33(2):173-81

Modes of interaction of cryoprotectants with membrane phospholipids during freezing. Anchordoguy TJ, et al. **Cryobiology** 1987 Aug;24(4):324-31

Perturbation of lipid membranes by local anaesthetic carbisocaine. Ondriaš K, et al. **Drugs Exp Clin Res** 1986; 12(9-10):837-40

A Raman spectroscopic study on the interaction of an ion-channel protein with a phospholipid in a model membrane system (gramicidin A/L-alpha-lysophosphatidylcholine). Aslanian D, et al. **Eur J Biochem** 1986 Oct 15;160(2):395-400

Chronic ethanol consumption and aging: changes in lipid composition of liver microsomes. Wood WG, et al. **Exp Gerontol** 1986;21(3):195-201

Phospholipid composition and phospholipid asymmetry of ram spermatozoa plasma membranes. Hinkovska VT, et al. **Int J Biochem** 1986;18(12):1115-21

Membrane lipid composition of obligately and facultatively alkalophilic strains of Bacillus spp. Clejan S, et al. **J Bacteriol** 1986 Oct;168(1):334-40

Adenylate cyclase activity, membrane fluidity and fatty acid composition of rat heart in essential fatty acid deficiency. Alam SQ, et al. **J Mol Cell Cardiol** 1987 May;19(5):465-75

Lipid composition of the membrane released after an in vitro acrosome reaction of epididymal boar sperm. Nikolopoulou M, et al. **Lipids** 1986 Sep;21(9):566-70

Analysis of total and surface membrane lipids of Schistosoma mansoni. Rogers MV, et al. **Mol Biochem Parasitol** 1987 Jan 15;22(2-3):273-88

Phase behaviour of binary mixtures of membrane polar lipids in aqueous systems. Quinn PJ. **Nat Prod Rep** 1987 Apr; 4(2):129-37 (49 ref.)

Membrane phospholipid composition and membrane fluidity of human brain tumour: a spin label study. Hattori T, et al. **Neurol Res** 1987 Mar;9(1):38-43

Phospholipid composition and Ca2+ uptake properties of plasma membrane isolated from canine stomach smooth muscle. Ito T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1986 Feb;22(1):11-9

Visualization of Ca2+-induced phospholipid domains. Haverstick DM, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(13):4475-9

Increased thromboxane A2 generation and altered membrane fatty acid composition in platelets from patients with active angina pectoris. Prisco D, et al. **Thromb Res** 1986 Oct 1; 44(1):101-12

[Study of membrane defects and the relationship between membrane lipids and protein (AChE) of RBC in patients with paroxysmal nocturnal hemoglobinuria] Fa XG, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Oct; 8(5):353-7 (Eng. Abstr.) **(Chi)**

[Effect of the phase state of lipids on their interaction with cobra cytotoxin] Aripov TF, et al. **Biofizika** 1986 Jul-Aug; 31(4):716-8 (Eng. Abstr.) **(Rus)**

[Fatty acid composition of total lipids and phospholipids of membrane preparations of transport ATPases] Bliudzin IuA, et al. **Biokhimiia** 1986 Sep;51(9):1499-505 (Eng. Abstr.) **(Rus)**

[Role of erythrocyte membrane cholesterol in disorders of their structuro-functional status in patients with ischemic heart disease] Liusov VA, et al. **Kardiologiia** 1987 Jan; 27(1):86-8 (Eng. Abstr.) **(Rus)**

[Comparison of the lipid composition and physicochemical characteristics of membrane preparations of transport ATPases] Osadchaia LM, et al. **Nerv Sist** 1986;25:115-30 **(Rus)**

[Modification of the mitochondrial membrane from the rat liver by synthetic phospholipids] Tat'ianenko LV, et al. **Vopr Med Khim** 1986 Nov-Dec;32(6):86-9 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

[Effect of hydrocortisone on the phospholipid composition and activity of various enzymes of phospholipid metabolism in the nuclear membranes of the rat liver] Gevorkian ES, et al. **Biokhimiia** 1986 Oct;51(10):1630-4 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Stimulation by dolichol phosphate-mannose of N-acetylglucosaminyl-lipid biosynthesis by membranes from class E Thy-1-negative mutant mouse lymphoma cells which are defective in dolichol phosphate-mannose biosynthesis. Kean EL, et al. **Arch Biochem Biophys** 1986 Oct;250(1):146-52

Origins of the phospholipids in animal mitochondria. McMurray WC. **Biochem Cell Biol** 1986 Nov; 64(11):1115-24 (61 ref.)

Metabolic changes of membrane lipid composition in Acholeplasma laidlawii by hydrocarbons, alcohols, and detergents: arguments for effects on lipid packing. Wieslander A, et al. **Biochemistry** 1986 Nov 18; 25(23):7511-7

An assessment of the ability of yeast cells to incorporate photolabile fatty acids into their membrane phospholipids in vivo. Hibbs AR, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):445-50

Effect of growth phase on phospholipid biosynthesis in Saccharomyces cerevisiae. Homann MJ, et al. **J Bacteriol** 1987 Feb;169(2):533-9

Polyphosphoinositide labeling in rat liver plasma membranes is reduced by preincubation with cholera toxin. Biffen M, et al. **J Biol Chem** 1987 Jun 5;262(16):7744-50

Regulation of the balanced synthesis of membrane phospholipids. Experimental test of models for regulation in Escherichia coli. Jackson BJ, et al. **J Biol Chem** 1986 Oct 15;261(29):13464-8

Transphosphatidylation activity in Clostridium butyricum. Evidence for a secondary pathway by which membrane phospholipids may be synthesized and modified. Walton PA, et al. **J Biol Chem** 1987 Jul 25;262(21):10355-61

Effect of choline, ethanolamine and serine supplementation on the membrane properties of Microsporum gypseum. Pandey R, et al. **Lipids** 1987 Jul;22(7):530-4

[Effect of long-lasting exertion of warm-blooded horses on membrane lipid synthesis in lymphocyte cultures] Hambitzer R, et al. **Zentralbl Veterinarmed [A]** 1986 Nov; 33(9):668-73 (Eng. Abstr.) **(Ger)**

[The role of free radical oxidation in the regulation of growth and lipid formation in eukaryotic and prokaryotic organisms] Feofilova EP, et al. **Prikl Biokhim Mikrobiol** 1987 Jan-Feb;23(1):3-13 (50 ref.) (Eng. Abstr.) **(Rus)**

BLOOD

A possible mechanism of increased sodium influx in red cells with abnormal membrane lipid levels induced by phospholipase A2. Hashimoto M, et al. **Am J Hematol** 1987 Sep;26(1):17-26

Effects of altered phospholipid molecular species on erythrocyte membranes. van Deenen LL, et al. **Ann NY Acad Sci** 1987;492:145-55

Phospholipid base exchange in human leukocyte membranes: quantitation and correlation with other phospholipid biosynthetic pathways. Niwa Y, et al. **Arch Biochem Biophys** 1986 Nov 1;250(2):345-57

Highly unsaturated phospholipid molecular species of rat erythrocyte membranes: selective incorporation of arachidonic acid into phosphoglycerides containing polyunsaturation in both acyl chains. Robinson M, et al. **Arch Biochem Biophys** 1986 Nov 1;250(2):271-9

Rearrangement of aminophospholipids in bilayers from sheep platelet plasma membranes and platelet liposomes by increasing their cholesterol levels. Sánchez-Yagüe J, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1362-7

Decrease in lipid mobility in rat erythrocyte membrane after amiodarone chronic treatment. Chatelain P, et al. **Biochem Pharmacol** 1987 May 1;36(9):1564-5

Uncoupling of oxidative leak formation from lipid peroxidation in the human erythrocyte membrane by antioxidants and desferrioxamine. Deuticke B, et al. **Biochim Biophys Acta** 1987 May 12;899(1):125-8

Different susceptibilities of platelet phospholipids to various phospholipases and modifications induced by thrombin. Possible evidence of rearrangement of lipid domains. Wang CT, et al. **Biochim Biophys Acta** 1987 May 29;899(2):205-12

Abnormalities of one-carbon metabolism in psychiatric disorders: study of methionine adenosyltransferase kinetics and lipid composition of erythrocyte membranes. Smythies JR, et al. **Biol Psychiatry** 1986 Dec;21(14):1391-8

Elevated malonyldialdehyde levels, altered membrane lipid asymmetry, and hypercoagulability of erythrocytes from newborn infants. Jain SK. **Biomed Biochim Acta** 1987; 46(2-3):S21-5

Adaptive mechanism for abnormal membrane fluidity in congenital red cell membrane lipid abnormalities. Yawata Y, et al. **Biomed Biochim Acta** 1987;46(2-3):S26-30

Altered plasma membrane phospholipid organization in Plasmodium falciparum-infected human erythrocytes. Schwartz RS, et al. **Blood** 1987 Feb;69(2):401-7

The lipid composition of erythrocyte ghosts from a patient with congenital paramyotonia. Szymanska G, et al. **Gen Physiol Biophys** 1986 Apr;5(2):179-85

Hemolysis and membrane lipid changes induced by xanthine oxidase in vitamin E deficient red cells. Tamai H, et al. **J Free Radic Biol Med** 1986;2(1):49-56

Abnormal platelet membrane composition in Alzheimer's-type dementia. Cohen BM, et al. **Life Sci** 1987 Jun 22;40(25):2445-51

The modulatory effect of membrane viscosity on structural and functional properties of the anion exchange protein of human erythrocytes. Cabantchik ZI, et al. **Membr Biochem** 1986;6(3):197-216

Guanine nucleotide regulatory proteins in receptor-mediated polyphosphoinositide hydrolysis in human leukocytes. Smith CD, et al. **Methods Enzymol** 1987;141:261-71

Factor VIII coagulant moiety binds to platelets by binding to phospholipids of the platelet membrane. Muntean W, et al. **Thromb Res** 1987 Feb 15;45(4):345-54

[Interaction of protein with lipid in plasma lipoprotein and its structure and function] Yokoyama S. **Seikagaku** 1986 Mar;58(3):153-66 (63 ref.) **(Jpn)**

[Changes in the fluorescence parameters of lipophilic probes bound to the erythrocyte membrane in cancer patients] Kozlova NM, et al. **Eksp Onkol** 1987;9(1):50-2 (Eng. Abstr.) **(Rus)**

[Indices of the lipid spectrum of the blood serum and erythrocyte membranes in diabetes mellitus in children] Turkina TI, et al. **Probl Endokrinol (Mosk)** 1986 Sep-Oct; 32(5):32-6 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

[Synthesis of polymerizable phospholipid derivatives and creation of polymer monolayers and liposomes with immobilized bacteriorhodopsin] Zaitsev SIu, et al. **Bioorg Khim** 1986 Dec;12(12):1675-7 (Eng. Abstr.) **(Rus)**

GENETICS

Molecular genetics of membrane phospholipid synthesis. Raetz CR. **Annu Rev Genet** 1986;20:253-95 (251 ref.)

IMMUNOLOGY

Use of monoclonal antibodies to human apo A-I in the determination of antigenic sites present on HDL surface. Ayrault-Jarrier M, et al. **Adv Exp Med Biol** 1987;210:23-30

The interaction of an anti-lipid antibody (TEPC 15) with a model biomembrane system (monolayer). Urbaneja MA, et al. **Biochim Biophys Acta** 1987 Apr 9;898(2):253-6

Effect of membrane cholesterol depletion on the immunoreactivity of the D antigen and IgG anti-D. Victoria EJ, et al. **Immunol Invest** 1986 Jun;15(4):393-404

ISOLATION & PURIFICATION

A neutron diffraction study of the headgroup conformation of phosphatidylglycerol from Escherichia coli membranes. Mischel M, et al. **Chem Phys Lipids** 1987 May;43(4):237-46

Clustering in coated vesicles of polyunsaturated phospholipids segregated from plasma and Golgi membranes of adrenocortical cells. de Paillerets C, et al. **FEBS Lett** 1987 Jul 13;219(1):113-8

The polar head group of a novel insulin-sensitive glycophospholipid mimics insulin action on phospholipid methyltransferase. Kelly KL, et al. **FEBS Lett** 1986 Dec 15;209(2):238-42

Use of polar aprotic solvents to release membranes from milk lipid globules. Dapper CH, et al. **J Dairy Sci** 1987 Apr; 70(4):760-5

METABOLISM

Functional adaptations of transbilayer proteins. Marchesi VT. **Adv Exp Med Biol** 1986;205:107-20

Vitamin A at pharmacologic doses ameliorates the membrane lipid peroxidation injury and testicular atrophy that occurs with chronic alcohol feeding in rats. Rosenblum ER, et al. **Alcohol Alcohol** 1987;22(3):241-9

Comparison of mackerel-oil and lard-fat enriched diets on plasma lipids, cardiac membrane phospholipids, cardiovascular performance, and morphology in young pigs. Hartog JM, et al. **Am J Clin Nutr** 1987 Aug; 46(2):258-66

Phospholipid base exchange activity in the leukocyte membranes of patients with inflammatory disorders. Niwa Y, et al. **Am J Pathol** 1987 May;127(2):317–26

Kinase A does not activate phosphatidylinositol phosphorylation in rat lymphocyte membranes. Coco A, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):C883–6

Deinhibition of cardiac Na+–K+–ATPase after exposure to exogenous phospholipase A2. Colvin RA. **Am J Physiol** 1987 Jan;252(1 Pt 2):H32–9

Membrane cholesterol and tumor bioenergetics. Coleman PS. **Ann NY Acad Sci** 1986;488:451–67 (32 ref.)

The effect of chronic ethanol consumption on the lipids in liver mitochondria. Cunningham CC, et al. **Ann NY Acad Sci** 1987;492:181–92

Dynamics of membrane lipid metabolism and turnover. Dawidowicz EA. **Annu Rev Biochem** 1987;56:43–61 (134 ref.)

Intracellular lipid transport in eukaryotes. Sleight RG. **Annu Rev Physiol** 1987;49:193–208 (151 ref.)

Modulation of membrane proteins by vertical phase separation and membrane lipid fluidity. Basis for a new approach to tumor immunotherapy. Muller CP, et al. **Anticancer Res** 1986 Sep–Oct;6(5):1181–93 (146 ref.)

Effect of fatty acid supplementation on thermotropic behavior of membrane lipids and leucine transport in Saccharomyces cerevisiae. Basu J, et al. **Arch Biochem Biophys** 1986 Nov 1;250(2):382–9

Modulation of the lipid composition of boar sperm plasma membranes during an acrosome reaction in vitro. Nikolopoulou M, et al. **Arch Biochem Biophys** 1986 Oct; 250(1):30–7

Lipid composition of plasma membranes isolated from light-grown barley (Hordeum vulgare) leaves: identification of cerebroside as a major component. Rochester CP, et al. **Arch Biochem Biophys** 1987 Jun; 255(2):385–91

Effect of dietary columbinic acid on the fatty acid composition and physical membrane properties of different tissues of EFA-deficient rats. Mandon EC, et al. **Arch Latinoam Nutr** 1986 Sep;36(3):401–14

Membrane lipid changes in organic solvent tolerant neural cells. Kyrklund T, et al. **Arch Toxicol [Suppl]** 1986;9:38–45

The effects of dietary mackerel oil on plasma and cell membrane lipids, on hemodynamics and cardiac arrhythmias during recurrent acute ischemia in the pig. Hartog JM, et al. **Basic Res Cardiol** 1986 Nov–Dec; 81(6):567–80

Protein and lipid disturbances in rat liver microsomal membranes after bile duct ligation. Bengochea L, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):980–5

Close association between clathrin and the hydrophobic domain of boundary membranes in brain endocytic vesicles. Pallini M, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):878–83

Role of phospholipid fatty acids on the kinetics of high and low affinity sites of cytochrome c oxidase. Trivedi A, et al. **Biochem Cell Biol** 1986 Nov;64(11):1195–210

Modulation of lipid fluidity of small- and large-intestinal antipodal membranes by Ca2+. Brasitus TA, et al. **Biochem J** 1986 Nov 1;239(3):625–31

Free-radical-mediated fragmentation of monoamine oxidase in the mitochondrial membrane. Roles for lipid radicals. Dean RT, et al. **Biochem J** 1986 Dec 1;240(2):489–94

The thylakoid membranes of higher plant chloroplasts. Gounaris K, et al. **Biochem J** 1986 Jul 15;237(2):313–26 (156 ref.)

Insulin stimulation of adipocyte membrane glucose transport. A graded biologic response insensitive to bilayer lipid disordering. Hyslop PA, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2305–10

A possible role for membrane lipid peroxidation in anthracycline nephrotoxicity. Mimnaugh EG, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4327–35

Modulation of protein-protein interactions in membranes. Cherry RJ. **Biochem Soc Trans** 1987 Feb;15(1):91–3

Lipid phase behaviour and lipid–protein interactions in the chloroplast photosynthetic membrane. Quinn PJ. **Biochem Soc Trans** 1987 Feb;15(1):86–91

Alpha-lactalbumin binding to membranes: evidence for a partially buried protein. Berliner LJ, et al. **Biochemistry** 1987 Jun 2;26(11):3006–9

Regulation of bilayer stability in Clostridium butyricum: studies on the polymorphic phase behavior of the ether lipids. Goldfine H, et al. **Biochemistry** 1987 May 19; 26(10):2814–22

Phase equilibria of membrane lipids from Acholeplasma laidlawii: importance of a single lipid forming nonlamellar phases. Lindblom G, et al. **Biochemistry** 1986 Nov 18; 25(23):7502–10

Quantitative contributions of cholesterol and the individual classes of phospholipids and their degree of fatty acyl (un)saturation to membrane fluidity measured by fluorescence polarization. van Blitterswijk WJ, et al. **Biochemistry** 1987 Mar 24;26(6):1746–56

Partition of malathion in synthetic and native membranes. Antunes-Madeira MC, et al. **Biochim Biophys Acta** 1987 Jul 10;901(1):61–6

Catalytic hydrogenation of fatty acyl chains in plasma membranes; effect on membrane lipid fluidity and expression of cell surface antigens. Benkö S, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):129–35

Detection of oxidized lipid-modified erythrocyte membrane proteins by radiolabeling with tritiated borohydride. Beppu M, et al. **Biochim Biophys Acta** 1987 Feb 12;897(1):169–79

Turnover of phospholipid fatty acyl chains in cultured neuroblastoma cells: involvement of deacylation–reacylation and de novo synthesis in plasma membranes. Chakravarthy BR, et al. **Biochim Biophys Acta** 1986 Dec 5;879(3):264–77

Perturbation of phospholipid bilayers by DDT. Chefurka W, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):181–6

Membrane potential, lipid regulation and adenylate energy charge in acyl chain modified Acholeplasma laidlawii. Clementz T, et al. **Biochim Biophys Acta** 1987 Apr 23; 898(3):299–307

Hydrolysis of membrane-associated phosphoglycerides by mitochondrial phospholipase A2. de Winter JM, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):169–77

Regulation of transbilayer distribution of a fluorescent sterol in tumor cell plasma membranes. Kier AB, et al. **Biochim Biophys Acta** 1986 Oct 9;861(2):287–301

Differential scanning calorimetric studies of lipid–protein interactions in model membrane systems. McElhaney RN. **Biochim Biophys Acta** 1986 Dec 22;864(3–4):361–421 (195 ref.)

Dynamic fluorescence quenching studies on lipid mobilities in phosphatidylcholine–cholesterol membranes. Merkle H, et al. **Biochim Biophys Acta** 1987 Feb 26;897(2):238–48

Na+ currents generated by the purified (Na+ + K+)-ATPase on planar lipid membranes. Nagel G, et al. **Biochim Biophys Acta** 1987 Jul 23;901(2):239–49

Effects of cations and polyamines on the aggregation and fusion of phosphatidylserine membranes. Ohki S, et al. **Biochim Biophys Acta** 1986 Sep 25;861(1):177–86

A change in the lipid fluidity of the porcine intestinal brush-border membranes by lipid peroxidation. Studies using pyrene and fluorescent stearic acid derivatives. Ohyashiki T, et al. **Biochim Biophys Acta** 1986 Oct 9; 861(2):311–8

Induction, by adriamycin and mitomycin C, of modifications in lipid composition, size distribution, membrane fluidity and permeability of cultured RDM4 lymphoma cells. Oth D, et al. **Biochim Biophys Acta** 1987 Jun 30;900(2):198–208

Lipopeptides of the N-terminus of Escherichia coli lipoprotein: synthesis, mitogenicity and properties in monolayer experiments. Prass W, et al. **Biochim Biophys Acta** 1987 Jun 12;900(1):116–28

Modification of membrane physical properties, biological response and insulin binding in Friend cells by low serum concentration. Simon I, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):165–72

Iron-binding lipids of rabbit duodenal brush-border membrane. Simpson RJ, et al. **Biochim Biophys Acta** 1987 Apr 9;898(2):181–6

Consequences of the interaction of calcium with dioleoylphosphatidate-containing model membranes: calcium–membrane and membrane–membrane interactions. Smaal EB, et al. **Biochim Biophys Acta** 1987 Feb 12; 897(1):180–90

Intrahepatic distribution of small unilamellar liposomes as a function of liposomal lipid composition. Spanjer HH, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):224–30

Plasma membrane lipid composition modulates action of anesthetics. Sweet WD, et al. **Biochim Biophys Acta** 1986 Sep 25;861(1):53–61

Influence of alcohols, temperature, and region on the mobility of lipids in neuronal membrane. Treistman SN, et al. **Biochim Biophys Acta** 1987 Apr 9;898(2):109–20

Relation between lipid polymorphism and transbilayer movement of lipids in rat liver microsomes. van Duijn G, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):193–204

Phospholipid outside–inside translocation in lymphocyte plasma membranes is a protein-mediated phenomenon. Zachowski A, et al. **Biochim Biophys Acta** 1987 Feb 12; 897(1):197–200

Cytochrome c binds to lipid domains in arrays of mitochondrial outer membrane channels. Mannella CA, et al. **Biophys J** 1987 Feb;51(2):221–6

Alveolar macrophage membrane phospholipid methylation in sarcoidosis and hypersensitivity pneumonitis. Pacheco Y, et al. **Bull Eur Physiopathol Respir** 1986 Nov–Dec; 22(6):565–72

Double restriction in NK cell recognition is linked to transmethylation and can be triggered by asparagine-linked oligosaccharides on tumor cells. Kiyohara T, et al. **Cell Immunol** 1987 May;106(2):223–33

Membrane lipid peroxidation in erythrocytes of the newborn. Jain SK. **Clin Chim Acta** 1986 Dec 30;161(3):301–6

Red blood cell lipid peroxidation in predialysis chronic renal failure. Taccone-Gallucci M, et al. **Clin Nephrol** 1987 May; 27(5):238–41

Nitrate starvation induces homeoviscous regulation of lipids in the cell envelope of the blue-green alga, Anacystis nidulans. Gombos Z, et al. **Eur J Biochem** 1987 Jun 1; 165(2):461–5

Estrogens as natural antioxidants of membrane phospholipid peroxidation. Sugioka K, et al. **FEBS Lett** 1987 Jan 1; 210(1):37–9

Maintenance of membrane phospholipid asymmetry. Lipid–cytoskeletal interactions or lipid pump? Williamson P, et al. **FEBS Lett** 1987 Jul 27;219(2):316–20

A method for the determination of the filtration coefficient for spherical bilayers prepared from bulk erythrocyte membrane lipids. Langner M, et al. **Gen Physiol Biophys** 1986 Apr;5(2):193–9

pH-dependent effects of local anaesthetics in perturbing lipid membranes. Ondriaš K, et al. **Gen Physiol Biophys** 1987 Jun;6(3):271–7

Interaction of the antivirus agents remantadine and amantadine with lipid membranes and the influence on the curvature of human red cells. Tverdislov VA, et al. **Gen Physiol Biophys** 1986 Feb;5(1):61–75

Fetal and adult human liver differ markedly in the fluidity and lipid composition of their microsomal membranes. Kapitulnik J, et al. **Hepatology** 1987 Jan–Feb;7(1):55–60

Glycerol increases the cytochemical detectability of cholesterol in the apical plasma membrane of uterine epithelial cells. Murphy CR, et al. **Histochemistry** 1987; 87(1):7–11

Phospholipid composition modifications influence phospholipase A2 activity in rat liver plasma membranes. Momchilova AB, et al. **Int J Biochem** 1986;18(10):945–52

D-galactosamine induced changes in rat liver plasma membranes lipid composition and some enzyme activities. Petkova DH, et al. **Int J Biochem** 1987;19(3):289–91

Heat-induced changes in the incorporation of [H3]acetate in membrane lipids. Harms-Ringdahl M, et al. **Int J Radiat Biol** 1987 Aug;52(2):315–24

Radiation-induced lipid peroxidation: influence of oxygen concentration and membrane lipid composition. Wolters H, et al. **Int J Radiat Biol** 1987 Apr;51(4):619–28

Interaction of kanamycin A and kanamycin B with phospholipids. Yung MW, et al. **J Antibiot (Tokyo)** 1987 Jun;40(6):862–7

Ion permeability of ciliary membrane vesicles isolated from Tetrahymena. Single-channel recording study on the membrane reconstituted into a planar lipid bilayer. Kawahara S, et al. **J Biochem (Tokyo)** 1986 Dec; 100(6):1569–73

Hemolysis of sheep erythrocytes with the cell membrane of liquid paraffin-induced guinea pig macrophages. Moriya Y, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):521–9

Thyrotropin regulation of membrane lipid fluidity in the FRTL-5 thyroid cell line. Its relationship to cell growth and functional activity. Beguinot F, et al. **J Biol Chem** 1987 Feb 5;262(4):1575–82

Correction by 1-25-dihydroxycholecalciferol of the abnormal fluidity and lipid composition of enterocyte brush border membranes in vitamin D-deprived rats. Brasitus TA, et al. **J Biol Chem** 1986 Dec 15;261(35):16404–9

Effects of viral chemotherapeutic agents on membrane properties. Studies of cyclosporin A, benzyloxycarbonyl-D-Phe-L-Phe-Gly and amantadine. Epand RM, et al. **J Biol Chem** 1987 Feb 5;262(4):1526–9

Lipid asymmetry induced by transmembrane pH gradients in large unilamellar vesicles. Hope MJ, et al. **J Biol Chem** 1987 Mar 25;262(9):4360–6

Phosphatidylcholine breakdown in rat liver plasma membranes. Roles of guanine nucleotides and P2-purinergic agonists. Irving HR, et al. **J Biol Chem** 1987 Mar 15;262(8):3440–3

Calcium-sensitive, lipid-binding cytoskeletal proteins of the human placental microvillar region. Edwards HC, et al. **J Cell Biol** 1987 Jul;105(1):303–11

Phospholipid and arachidonic acid metabolism in zymosan-stimulated human monocytes: modulation by cAMP. Godfrey RW, et al. **J Cell Physiol** 1987 Jun; 131(3):384–92

Lipid solubilization during bile salt-induced esophageal mucosal barrier disruption in the rabbit. Schweitzer EJ, et al. **J Lab Clin Med** 1987 Aug;110(2):172–9

Localization of phosphatidylethanolamine in microsomal membranes and regulation of its distribution by the fatty acid composition. Valtersson C, et al. **J Lipid Res** 1986 Jul;27(7):731–41

Maintenance of epithelial surface membrane lipid polarity: a role for differing phospholipid translocation rates [published erratum appears in J Membr Biol 1986;94(3):300] Molitoris BA, et al. **J Membr Biol** 1986;94(1):47–53

Dietary copper deficiency alters protein and lipid composition of murine lymphocyte plasma membranes. Korte JJ, et al. **J Nutr** 1987 Jun;117(6):1076–84

Diets varying in linoleic and linolenic acid content alter liver plasma membrane lipid composition and glucagon-stimulated adenylate cyclase activity. Morson LA, et al. **J Nutr** 1986 Dec;116(12):2355–62

Effect of dietary vitamin D3 and cadmium on the lipid composition of rat intestinal brush border membranes. Tsuruki F, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Apr; 32(2):191–204

Membrane distribution and carotenoid content in human colostrum. Patton S, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep–Oct;5(5):774–9

Alterations in brain lipid composition caused by vanadate. Catalán RE, et al. **Life Sci** 1987 Feb 23;40(8):799–806

Membrane fatty acid modification in tumor cells: a potential therapeutic adjunct. Burns CP, et al. **Lipids** 1987 Mar; 22(3):178–84

Growth hormone and liver mitochondria: effects on phospholipid composition and fatty acyl distribution. Clejan S, et al. **Lipids** 1986 Nov;21(11):677–83

Asymmetric distribution of arachidonic and n-3 polyunsaturated fatty acids in rat liver microsomal membranes under a fat-free diet. Iritani N, et al. **Lipids** 1987 Jan;22(1):45–50

Altered metabolism and cell surface expression of

glycosphingolipids caused by vitamin E in cultured murine (K3T3) reticulum sarcoma cells. Yogeeswaran G, et al. **Lipids** 1986 Oct;21(10):643–7

Effects of delipidation on proton translocation and ATPase activity in beef heart electron transport particles. Pringle MJ, et al. **Membr Biochem** 1986;6(4):347–63

The measurement of the kinetics of lipid phase transitions: a volume–perturbation kinetic calorimeter. Johnson ML, et al. **Methods Enzymol** 1986;130:534–51

Hormone–regulated phosphoinositide turnover in permeabilized cells and membranes. Martin TF. **Methods Enzymol** 1987;141:111–26

Differential response of chick liver and brain membranes to short ethanol treatment. Marco C, et al. **Neurochem Res** 1986 Sep;11(9):1249–60

Effect of TET intoxication on the pattern of myelin lipids in rats kept during the development on a diet with various amounts of lipids. Wender M, et al. **Neuropatol Pol** 1986; 24(2):195–207

Changes in neutral lipids in brain synaptosomes of rats after chronic administration of ethanol. Corbett R, et al. **Neurosci Lett** 1986 Aug 29;69(2):198–202

The cellular forms and functions of the inositol phospholipids and their metabolic derivatives. Holub BJ. **Nutr Rev** 1987 Mar;45(3):65–71 (40 ref.)

Membrane fluidity and phospholipid composition in relation to sulfur amino acid intake in brush border membranes of rat kidney. Chesney RW, et al. **Pediatr Res** 1986 Dec; 20(12):1305–9

Lateral diffusion of lipids in complex biological membranes [published erratum appears in Proc Natl Acad Sci USA 1987 Aug;84(15):5231] O'Leary TJ. **Proc Natl Acad Sci USA** 1987 Jan;84(2):429–33

Changes in receptor stimulated phosphoinositide hydrolysis in brain during ethanol administration, aging, and other pathological conditions. Crews FT, et al. **Psychopharmacol Bull** 1986;22(3):775–80

Determinants of benzodiazepine brain uptake: lipophilicity versus binding affinity. Arendt RM, et al. **Psychopharmacology (Berlin)** 1987;93(1):72–6

Effect of membrane lipid environment on the activity of bovine adrenal 3–oxo–delta 5–steroid isomerase. Wehrle JP, et al. **Steroids** 1986 Feb–Mar;47(2–3):115–30

[Current hypotheses on the mechanism of action of lithium. II. Lithium and membranes; from the receptor to cyclic nucleotide by the way of membrane phospholipids] Wolf MA. **Encephale** 1987 Jan–Feb;13(1):13–21 (83 ref.) (Eng. Abstr.) **(Fre)**

[Methylation of membrane phospholipids of alveolar macrophages in pulmonary sarcoidosis and diffuse interstitial pulmonary fibrosis] Pacheco Y, et al. **Pathol Biol (Paris)** 1986 Dec;34(10):1067–73 (Eng. Abstr.) **(Fre)**

[Existing and potential relations between dietary lipids and the plasma membrane] Popescu A. **Physiologie** 1987 Apr–Jun;24(2):91–6 **(Fre)**

[Muscle dipeptides—natural inhibitors of lipid peroxidation] Dupin AM, et al. **Biokhimiia** 1987 May;52(5):782–7 (Eng. Abstr.) **(Rus)**

[Effect of changes in the membrane lipid composition on the activity of respiratory chain enzymes in rat liver mitochondria] Ishankhodzhaev TM, et al. **Biokhimiia** 1987 Feb;52(2):220–4 (Eng. Abstr.) **(Rus)**

[Effect of the functional groups of tocopherol molecules on lipid viscosity of mitochondria] Kerimov RF, et al. **Biull Eksp Biol Med** 1987 May;103(5):540–3 (Eng. Abstr.) **(Rus)**

[Effect of phenothiazines on the viscosity and electrical stability of model phospholipid membranes] Parnev OM, et al. **Biull Eksp Biol Med** 1987 May;103(5):555–7 (Eng. Abstr.) **(Rus)**

[Mechanism of the membrane–stabilizing effect of 1–(chloromethyl)silatrane] Pisarskiĭ IuV, et al. **Dokl Akad Nauk SSSR** 1987;293(3):724–7 **(Rus)**

[Effect of cardiac glycosides on the calcium ion binding by biomembrane lipids] Ivanov LV, et al. **Farmakol Toksikol** 1987 Mar–Apr;50(2):30–2 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation by rat brain synaptosomes in sleep disorders] Taranova NP, et al. **Fiziol Zh SSSR** 1986 Aug; 72(8):1065–8 (Eng. Abstr.) **(Rus)**

[Effect of hypoxia on lipid metabolism in brain subcellular fractions] Putilina FE, et al. **Nerv Sist** 1986;25:149–55 **(Rus)**

[Effect of thyroid hormones on heat–induced changes in the EPR–spectra of erythrocytes] Marzoev AI, et al. **Probl Endokrinol (Mosk)** 1987 Mar–Apr;33(2):75–8 (Eng. Abstr.) **(Rus)**

[Transmembrane lipid transport between lecithin liposomes and neuroblastoma C1300 N18 cells] Gulaia NM, et al. **Ukr Biokhim Zh** 1987 Jul–Aug;59(4):64–9 (Eng. Abstr.) **(Rus)**

[Peroxidation of biomembrane lipids and its enzymatic regulation during aging in the rat] Lemeshko VV, et al. **Ukr Biokhim Zh** 1987 Mar–Apr;59(2):50–7 (Eng. Abstr.) **(Rus)**

[Food determinants of the lipid composition of biological membranes] Levachev MM. **Vestn Akad Med Nauk SSSR** 1986;(11):15–22 (33 ref.) (Eng. Abstr.) **(Rus)**

[Role of peroxidation of membrane lipids in the pathogenesis of discoid lupus erythematosus] Akimov VG. **Vestn Dermatol Venerol** 1987;(6):7–9 (Eng. Abstr.) **(Rus)**

[Modification of membrane structures in cataract] Babizhaev MA, et al. **Vopr Med Khim** 1987 Mar–Apr;33(2):125–32 (Eng. Abstr.) **(Rus)**

[Characteristic effect of local anesthetics on the phospholipid composition of mitochondria] Dekutovich GV, et al. **Vopr Med Khim** 1986 Nov–Dec;32(6):38–41 (Eng. Abstr.) **(Rus)**

[Incorporation and release of cholesterol from plasma membranes of hepatocytes and Zajdela hepatoma cells] Ivanova LI, et al. **Vopr Med Khim** 1986 Sep–Oct;32(5):62–7 (Eng. Abstr.) **(Rus)**

[Effect of lipid peroxidation on the Mg–ATPase activity of the brain and liver] Lunets EF, et al. **Vopr Med Khim** 1986 Jul–Aug;32(4):32–5 (Eng. Abstr.) **(Rus)**

[Changes in the phospholipid composition of liver mitochondrial membranes in rats treated with ethanol] Rakhimov MM, et al. **Vopr Med Khim** 1987 Mar–Apr; 33(2):93–6 (Eng. Abstr.) **(Rus)**

[Biologically active metabolites of membrane glycerophospholipids in normal conditions and in pathologic states] Vel'tishchev IuE, et al. **Vopr Med Khim** 1987 Mar–Apr;33(2):2–9 (37 ref.) (Eng. Abstr.) **(Rus)**

[Effect of antioxidants and miscleron on destabilization of cell membranes during nephritis in children] Zhmurov VA, et al. **Vopr Med Khim** 1987 Jan–Feb;33(1):40–3 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The action of sphingomyelinase from Bacillus cereus on ATP–depleted bovine erythrocyte membranes and different lipid composition of liposomes. Tomita M, et al. **Arch Biochem Biophys** 1987 May 15;255(1):127–35

PHYSIOLOGY

Role of platelet membrane phospholipids in signal transduction. Chap H, et al. **Agents Actions [Suppl]** 1986; 20:111–28 (82 ref.)

Biochemical and cellular actions of membrane lipids. Lands WE. **Am Rev Respir Dis** 1987 Jul;136(1):200–4 (56 ref.)

Complement activation and membrane lipids in lung vascular injury. Lundberg C, et al. **Am Rev Respir Dis** 1987 Aug; 136(2):459–62

Possible role for membrane Lipids in the function of the normal and ab normal pulmonary circulation. Reeves JT, et al. **Am Rev Respir Dis** 1987 Jul;136(1):196–9 (49 ref.)

Role of membrane lipids in the pulmonary vascular abnormalities caused by bacterial toxins. Seeger W, et al. **Am Rev Respir Dis** 1987 Aug;136(2):462–6

Role of membrane lipids in the control of normal vascular tone. Voelkel NF, et al. **Am Rev Respir Dis** 1987 Jul; 136(1):214–7 (61 ref.)

Lipid modulation of transport proteins in vertebrate cell membranes. Deuticke B, et al. **Annu Rev Physiol** 1987; 49:221–35 (110 ref.)

The possible involvement of the phospholipid phase of membranes in mediating the effects of verapamil on Ca2+ transport. Erdreich A, et al. **Biochem Pharmacol** 1987 Jun 1;36(11):1775–80

Lipid–protein interactions in the adaptive regulation of membrane function. Cossins AR, et al. **Biochem Soc Trans** 1987 Feb;15(1):77–81

Modelling the biological membrane. Madden TD, et al. **Biochem Soc Trans** 1987 Feb;15(1):75–7

Stratum corneum lipid phase transitions and water barrier properties. Golden GM, et al. **Biochemistry** 1987 Apr 21; 26(8):2382–8

Modifications of cellular lipids induce insulin resistance in cultured hepatoma cells. Bruneau C, et al. **Biochim Biophys Acta** 1987 May 18;928(3):297–304

The electrical breakdown of cell and lipid membranes: the similarity of phenomenologies. Chernomordik LV, et al. **Biochim Biophys Acta** 1987 Sep 3;902(3):360–73

Glycolipid function. Curatolo W. **Biochim Biophys Acta** 1987 Jun 24;906(2):137–60 (257 ref.)

Lipid and temperature dependence of the kinetic and thermodynamic parameters for active amino acid transport in Escherichia coli K1060. Eze MO, et al. **Biochim Biophys Acta** 1987 Feb 12;897(1):159–68

Surface potential changes in lipid monolayers and the 'cut–off' in anaesthetic effects of N–alkanols. Haydon DA, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):337–40

1,25–Dihydroxycholecalciferol stimulates renal phosphate transport by directly altering membrane phosphatidylcholine composition. Kurnik BR, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):81–5

Mechanisms and consequences of cellular cholesterol exchange and transfer. Phillips MC, et al. **Biochim Biophys Acta** 1987 Jun 24;906(2):223–76 (303 ref.)

Transport of Fe2+ across lipid bilayers: possible role of free fatty acids. Simpson RJ, et al. **Biochim Biophys Acta** 1987 Apr 9;898(2):187–95

Membrane methylation in isolated rat testis interstitial cells unmasks functional luteinizing hormone receptors. Solano AR, et al. **Biochim Biophys Acta** 1987 Apr 2;928(1):107–13

Influence of membrane–lipid composition on translocation of nascent proteins in heated Escherichia coli. Yatvin MB. **Biochim Biophys Acta** 1987 Jul 10;901(1):147–56

Temperature dependence of the molecular dynamics of platelet membranes in Alzheimer's disease. Zubenko GS, et al. **Biol Psychiatry** 1987 Aug;22(8):987–94

Peptides in membranes: lipid–induced secondary structure of substance P. Woolley GA, et al. **Biopolymers** 1987;26 Suppl:S109–21

Phospholipids as a possible instrument for translocation of nascent proteins across biological membranes. Rietveld A, et al. **Biosci Rep** 1986 Sep;6(9):775–82

Altered fatty acid membrane composition modifies lymphocyte localization in vivo. Novo C, et al. **Cell Immunol** 1987 May;106(2):387–96

Lipid–protein interactions and the function of the Ca2+–ATPase of sarcoplasmic reticulum. Hidalgo C. **CRC Crit Rev Biochem** 1987;21(4):319–47 (251 ref.)

Membrane phospholipids alter nutrient transport and drug toxicity in tumorigenic fibroblasts. Fontaine RN, et al. **Drug Nutr Interact** 1987;5(1):49–60

The influence of plasma membrane cholesterol on the response of adrenal cells to adrenocorticotropin. Iida S, et al. **Endocrinology** 1987 Feb;120(2):801–8

Influence of buffer composition, membrane lipids and proteases on the kinetics of reconstituted cytochrome–c oxidase from bovine liver and heart. Büge U, et al. **Eur J Biochem** 1986 Dec 1;161(2):383–90

Inactivation of muscarinic acetylcholine receptors in brain synaptic membranes by free fatty acids. Evaluation of the role of lipid phase. Okun IM, et al. **Gen Physiol Biophys** 1986 Jun;5(3):243–58

Stimulation by target cell membrane lipid of actin polymerization and phagocytosis by Entamoeba histolytica. Bailey GB, et al. **Infect Immun** 1987 Aug;55(8):1848–53

The effects of galactolipid depletion on the structure of a photosynthetic membrane. Jacob JS, et al. **J Cell Biol** 1986 Oct;103(4):1337–47

The development of regionalized lipid diffusibility in the germ cell plasma membrane during spermatogenesis in the mouse. Wolf DE, et al. **J Cell Biol** 1986 Nov;103(5):1745–50

Membrane phospholipid organization as a determinant of blood cell–reticuloendothelial cell interactions. Schlegel RA, et al. **J Cell Physiol** 1987 Aug;132(2):381–4 (54 ref.)

Evidence for an involvement of membrane lipids in the control of neuronal nicotinic receptor function using bungarotoxin II–S1. Quik M. **J Neurochem** 1987 Jun; 48(6):1761–7

Adsorption of mycoplasmavirus MV–L2 to Acholeplasma laidlawii: effects of changes in the acyl–chain composition of membrane lipids. Steinick LE, et al. **J Virol** 1986 Nov; 60(2):525–30

Metabolism and function of membrane lipids. Kennedy EP. **Klin Wochenschr** 1987 Mar 2;65(5):205–12

Fatal poisoning and membrane stabilising activity [letter] Henry JA, et al. **Lancet** 1986 Oct 18;2(8512):919

Docosahexaenoate–containing phospholipids in sarcoplasmic reticulum and retinal photoreceptors. A proposal for a role in Ca2+–ATPase calcium transport. Infante JP. **Mol Cell Biochem** 1987 Apr;74(2):111–6

Ligand effects on membrane lipids associated with sodium, potassium–activated adenosine triphosphatase: comparative spin probe studies with rat brain and heart enzyme preparations. Coughlin RT, et al. **Mol Pharmacol** 1987 Jul; 32(1):147–53

Thermal–mechanical fluctuations enhance repulsion between bimolecular layers. Evans EA, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7132–6

Proton/hydroxide conductance and permeability through phospholipid bilayer membranes. Gutknecht J. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6443–6

Effect of lipid surface charges on the purple–to–blue transition of bacteriorhodopsin. Szundi I, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3681–4

Phosphatidylinositol from ethanol–fed rats confers membrane tolerance to ethanol. Taraschi TF, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9398–402

Lipid requirements for reconstitution of the proton–translocating complex of clathrin–coated vesicles. Xie XS, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(23):8913–7

"Autocannibalism" of membrane choline–phospholipids: physiology and pathology. Blusztajn JK, et al. **Psychopharmacol Bull** 1986;22(3):781–6

Effects of phospholipases C from bacteria on binding of enkephalin to rat brain membranes. Nakajima M, et al. **Toxicon** 1987;25(5):555–64

Expression of gangliosides as receptors at the cell surface controls infection of NCTC 2071 cells by Sendai virus. Markwell MA, et al. **Virology** 1986 Dec;155(2):356–64

The role of lipids in the interaction of Acholeplasma laidlawii cells with lymphocytes. Maltsev AV, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Apr; 264(1–2):145–53

Membrane potential of cells and its regulation during aging. 1. Report: the role of energetic metabolism and plasma membrane phospholipid contents. Frolkis VV, et al. **ZFA** 1987 Mar–Apr;42(2):67–75

[Role of membrane phospholipids in the process of cerebral aging] Scoppa F, et al. **Acta Neurol (Napoli)** 1986 Aug; 8(4):433–40 (21 ref.) (Eng. Abstr.) **(Ita)**

[Fluidity and lipid dynamics in biomembrane from a fluorescence depolarization study] Araiso T, et al. **Nippon Seirigaku Zasshi** 1987;49(1):1–11 (31 ref.) **(Jpn)**

[The role of the membrane lipid component in determining the functional properties of CNS neurons of the snail] Airapetian SN, et al. **Dokl Akad Nauk SSSR** 1987;

294(3):699–703 **(Rus)**
[Adenylate cyclase complex, lipids and the regulation of the hormonal sensitivity of tumor tissue] Bershtein LM. **Eksp Onkol** 1986;8(5):3–12 (77 ref.) (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Effect of ionizing radiation on artificial (planar) lipid membranes. II. The ion carriers valinomycin and nonactin as probes for radiation induced structural changes of the membrane. Strässle M, et al. **Int J Radiat Biol** 1987 Feb; 51(2):287–302
Lipid peroxidation and other membrane damage produced in Escherichia coli K1060 by near-UV radiation and deuterium oxide. Chamberlain J, et al. **Photochem Photobiol** 1987 May;45(5):625–30
[Effect of ionizing radiation and Fe2+-induced peroxidation on the lipid phase of erythrocyte membrane preparations] Fomenko BS, et al. **Radiobiologiia** 1987 Jan–Feb;27(1):41–5 (Eng. Abstr.) **(Rus)**
[Role of iron in the pathogenesis of free radical processes induced by UV-irradiation of guinea pig skin] Akimov VG. **Vestn Dermatol Venerol** 1987;(2):7–10 (Eng. Abstr.) **(Rus)**

URINE

Lipid microvesicles and their association with procoagulant activity in urine and glomeruli of rabbits with nephrotoxic nephritis. Wiggins R, et al. **Lab Invest** 1987 Mar; 56(3):264–72

MEMBRANE POTENTIALS

Force and membrane potential during and after fatiguing, continuous high-frequency stimulation of single Xenopus muscle fibres. Lännergren J, et al. **Acta Physiol Scand** 1986 Nov;128(3):359–68
Force and membrane potential during and after fatiguing, intermittent tetanic stimulation of single Xenopus muscle fibres. Westerblad H, et al. **Acta Physiol Scand** 1986 Nov; 128(3):369–78
Neurogenetics of membrane excitability in Drosophila. Ganetzky B, et al. **Annu Rev Genet** 1986;20:13–44 (132 ref.)
Comparison of the energetics of lactose active transport: artificial versus enzyme-associated energy source. Chen LI, et al. **Arch Biochem Biophys** 1986 Dec;251(2):606–15
Electrophysiology of L-lysine entry across the brush-border membrane of Necturus intestine. Acevedo M, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):295–304
The interaction of potential-sensitive molecular probes with dimyristoylphosphatidylcholine vesicles investigated by 31P-NMR and electron microscopy. Bammel BP, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):136–52
Tetraphenylphosphonium is an indicator of negative membrane potential in Candida albicans. Prasad R, et al. **Biochim Biophys Acta** 1986 Oct 9;861(2):377–80
Membrane potential induced by external electric field pulses can be followed with a potentiometric dye [published erratum appears in Biophys J 1987 Jul;52(1):following 141] Ehrenberg B, et al. **Biophys J** 1987 May;51(5):833–7
Further evidence for a membrane potential-dependent shape transformation of the human erythrocyte membrane. Müller P, et al. **Biosci Rep** 1986 Nov;6(11):999–1006
Inactivating and non-inactivating outward current channels in cell-attached patches of Helix neurons. Ram JL, et al. **Brain Res** 1987 Mar 3;405(1):16–25
A dual-frequency applied potential tomography technique: computer simulations. Griffiths H, et al. **Clin Phys Physiol Meas** 1987;8 Suppl A:103–7
Mathematical modelling of intra- and extracellular potentials generated by active structures: effects of a step change in structure diameter. Dimitrova N. **Gen Physiol Biophys** 1987 Feb;6(1):19–34
Voltage clamp simulations for multifiber bundles in a double sucrose gap: radial vs. longitudinal resistance effects. Haas HG, et al. **Gen Physiol Biophys** 1987 Feb;6(1):3–18
Is flexoelectricity the coupling factor between chemical energy and osmotic work in the pump? A model of pump. Petrov AG, et al. **Gen Physiol Biophys** 1986 Aug; 5(4):391–403
Electrical stability of artificial membranes. Vladimirov YuA, et al. **Gen Physiol Biophys** 1986 Jun;5(3):231–42
The closed form solution to the periodic core-conductor model using asymptotic analysis. Krassowska W, et al. **IEEE Trans Biomed Eng** 1987 Jul;34(7):519–31
Membrane potential and cation content of osteoblast-like cells (UMR 106) assessed by fluorescent dyes. Civitelli R, et al. **J Cell Physiol** 1987 Jun;131(3):434–41
Intracellular pH and membrane potential as regulators in the prokaryotic cell. Padan E, et al. **J Membr Biol** 1987; 95(3):189–98 (87 ref.)
Intra- and extracellular potassium activities and the potassium equilibrium potential in partially depolarized human atrial cells. McCullough JR, et al. **J Mol Cell Cardiol** 1987 May;19(5):477–86
Regulation of muscarinic acetylcholine receptor number in cultured neuronal cells by chronic membrane depolarization. Liles WC, et al. **J Neurosci** 1987 Aug; 7(8):2556–63
Resting membrane potential and inward current properties of mouse ovarian oocytes and eggs. Peres A. **Pflugers Arch** 1986 Nov;407(5):534–40
Asymmetry and external noise-induced free energy transduction. Chen YD. **Proc Natl Acad Sci USA** 1987 Feb; 84(3):729–33
Ultrasteep voltage dependence in a membrane channel. Mangan PS, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(14):4896–900
Depolarizing influences regulate preprotachykinin mRNA in sympathetic neurons. Roach A, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5078–81
Membrane potential of cells and its regulation during aging. 2. Report: the effect of hormones on the level of the cellular plasma membrane polarization. Frolkis VV, et al. **ZFA** 1987 Mar–Apr;42(2):77–81
Membrane potential of cells and its regulation during aging. 1. Report: the role of energetic metabolism and plasma membrane phospholipid contents. Frolkis VV, et al. **ZFA** 1987 Mar–Apr;42(2):67–75
[Cardiac electric activity and potentially arrhythmogenic cellular electrophysiologic disorders] Mugelli A, et al. **Cardiologia** 1987 May;32(5):439–42 **(Ita)**
[Simulation of dynamics of cell transmembrane potential] Kolesin ID. **Biofizika** 1986 Sep–Oct;31(5):916–7 (Eng. Abstr.) **(Rus)**
[Characteristics of the generation of transmembrane current higher harmonics in lipid bilayers in glycerol and 1,2-propane diol solutions] Rudenko SV, et al. **Biofizika** 1986 Jul–Aug;31(4):601–5 (Eng. Abstr.) **(Rus)**
[Device for measuring intramembrane potential jumps by the electrostriction method] Nazarov EI, et al. **Fiziol Zh** 1987 Jan–Feb;33(1):94–6 **(Rus)**
[Analysis of fluctuations in the membrane current of the isolated mollusk neuron] Skliarov AI. **Fiziol Zh SSSR** 1986 Nov;72(11):1575–8 **(Rus)**
[Acoustic indicator of membrane potential levels] Stepanov II, et al. **Fiziol Zh SSSR** 1987 Apr;73(4):555–7 **(Rus)**
[Relation between the surface potential of mouse neuroblastoma clone C1300 cells and the phase of the cell cycle] Belan PV, et al. **Neirofiziologiia** 1987;19(1):130–3 (Eng. Abstr.) **(Rus)**
[Transport mechanisms in Entamoeba: active transport, transmembrane potential] Cerbón-Solórzano J, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:67–71 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

The effect of the cationic composition in perilymph upon the N1 latency of the guinea pig. Ikeda K, et al. **Acta Otolaryngol (Stockh)** 1987 Jan–Feb;103(1–2):43–9
Fluctuations of the Ca2+-activated K+ current in Aplysia neurones. Hartung K, et al. **Biochim Biophys Acta** 1987 Feb 12;897(1):201–5
Oxygen radicals alter the cell membrane potential in a renal cell line (LLC-PK1) with differentiated characteristics of proximal tubular cells. Scott JA, et al. **Biochim Biophys Acta** 1987 Feb 12;897(1):25–32
Voltage-activation of high-conductance K+ channel in the insulin-secreting cell line RINm5F is dependent on local extracellular Ca2+ concentration. Velasco JM, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):305–10
Complexing of lipophilic cations and different anions as a possible cause of overestimating the transmembrane potential delta psi as measured by ion-sensitive electrodes. Schild L, et al. **Biomed Biochim Acta** 1986;45(10):1215–25
Atrial natriuretic polypeptide hormones induce membrane potential responses in cultured rat glioma cells. Reiser G, et al. **Brain Res** 1987 Jan 27;402(1):164–7
Diazepam action on gamma-aminobutyric acid-activated chloride currents in internally perfused frog sensory neurons. Hattori K, et al. **Cell Mol Neurobiol** 1986 Sep; 6(3):307–23
Misoprostol attenuates aspirin-induced changes in potential difference and associated damage in canine gastric mucosa. Gullikson GW, et al. **Clin Invest Med** 1987 May; 10(3):145–51
Cyclosporin depolarizes human lymphocytes: earliest observed effect on cell metabolism. Damjanovich S, et al. **Eur J Immunol** 1987 Jun;17(6):763–8
Transmembrane outward hydrogen current in intracellularly perfused neurones of the snail Helix pomatia. Doroshenko PA, et al. **Gen Physiol Biophys** 1986 Aug;5(4):337–50
Changes of vascular endothelial cell shape and of membrane potential in response to the ionophore A23187. Northover AM, et al. **Int J Microcirc Clin Exp** 1987;6(2):137–48
Electromechanical effects of A23187 on guinea-pig ventricular muscle: a dual action of A23187. Kondo N. **J Mol Cell Cardiol** 1986 Sep;18(9):907–15
[Function of vitamin E in neuromuscular synapses of the rat. I. Measured spontaneous release of acetylcholine and membrane potentials] Bruno C, et al. **Boll Soc Ital Biol Sper** 1986 Jul 30;62(7):891–4 (Eng. Abstr.) **(Ita)**

MEMBRANE PROTEINS

Decay-accelerating factor (DAF): a review of its function and structure. Davitz MA. **Acta Med Scand [Suppl]** 1987; 715:111–21 (62 ref.)
Biosynthesis of interstitial and basement membrane collagens in pulmonary fibrosis. Quinones F, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1163–71
Amino acid composition of the membrane and aqueous domains of integral membrane proteins. Deber CM, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):68–76
Protein redistribution in model membranes: clearing of M13 coat protein from calcium-induced gel-phase regions in phosphatidylserine/phosphatidylcholine multilamellar vesicles. Florine KI, et al. **Biochemistry** 1987 Jun 2; 26(11):2978–83
Structure and dynamics of the Pf1 filamentous bacteriophage coat protein in micelles. Schiksnis RA, et al. **Biochemistry** 1987 Mar 10;26(5):1373–81
Monte Carlo calculations of order parameter profiles in models of lipid–protein interactions in bilayers. Scott HL. **Biochemistry** 1986 Oct 7;25(20):6122–6
Theoretical study of the packing of alpha-helices into possible transmembrane bundles. Sequences including alanines, leucines and serines. Furois-Corbin S, et al. **Biochim Biophys Acta** 1987 Aug 7;902(1):31–45
Circular dichroism studies on a synthetic peptide corresponding to the membrane-spanning region of vesicular stomatitis virus G protein and its fatty acyl derivative. Joseph M, et al. **Biochim Biophys Acta** 1987 Jan 30;911(2):231–7
Functional reconstitution of carrier proteins by removal of detergent with a hydrophobic ion exchange column. Krämer R, et al. **Biochim Biophys Acta** 1986 Dec 16; 863(2):289–96
Resolution of complex anisotropy decays by variable frequency phase-modulation fluorometry: a stimulation study. Maliwal BP, et al. **Biochim Biophys Acta** 1986 Sep 26;873(2):161–72
The transmembrane helices of beef heart cytochrome oxidase [letter] Lundeen M, et al. **Biophys J** 1987 Apr;51(4):693–5, 697
Structure of a rhamnan from the surface-layer glycoprotein of Bacillus stearothermophilus strain NRS 2004/3a. Christian R, et al. **Carbohydr Res** 1986 Aug 1;150:265–72
The topology of a membrane protein: the orientation of the 32 kd Qb-binding chloroplast thylakoid membrane protein. Sayre RT, et al. **Cell** 1986 Nov 21;47(4):601–8
The shape of a membrane protein derived from rotational diffusion. Jähnig F. **Eur Biophys J** 1986;14(1):63–4
Solute carriers involved in energy transfer of mitochondria form a homologous protein family. Aquila H, et al. **FEBS Lett** 1987 Feb 9;212(1):1–9 (50 ref.)
Beta-subunits of the human liver Gs/Gi signal-transducing proteins and those of bovine retinal rod cell transducin are identical. Codina J, et al. **FEBS Lett** 1986 Oct 27; 207(2):187–92
NADP efficiently inhibits endogenous but not pertussis toxin-catalyzed covalent modification of membrane proteins incubated with NAD. Rosenthal W, et al. **FEBS Lett** 1987 Jan 26;211(2):137–43
Visualization of proteoglycans and membrane-associated components in rat incisor enamel organ using ruthenium hexammine trichloride. Goldberg M, et al. **J Biol Buccale** 1987 Mar;15(1):59–66
Protein sequence of endothelial glycoprotein IIIa derived from a cDNA clone. Identity with platelet glycoprotein IIIa and similarity to "integrin".Fitzgerald LA, et al. **J Biol Chem** 1987 Mar 25;262(9):3936–9
1H nuclear magnetic resonance studies of an integral membrane protein: subunit c of the F1F0 ATP synthase. Moody MF, et al. **J Mol Biol** 1987 Feb 20;193(4):759–74
The glucose-regulated protein grp94 is related to heat shock protein hsp90. Sorger PK, et al. **J Mol Biol** 1987 Mar 20; 194(2):341–4
Molecular properties of the growth-associated protein GAP-43 (B-50). Benowitz LI, et al. **J Neurochem** 1987 May;48(5):1640–7
Biogenesis and transmembrane orientation of the cellular isoform of the scrapie prion protein [published errratum appears in Mol Cell Biol 1987 May;7(5):2035] Hay B, et al. **Mol Cell Biol** 1987 Feb;7(2):914–20
General anesthetics can competitively interfere with sensitive membrane proteins. Tas PW, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5972–5
Evaluation of methods for the prediction of membrane protein secondary structures. Wallace BA, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9423–7
Structure of the reaction center from Rhodobacter sphaeroides R-26: membrane-protein interactions. Yeates TO, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6438–42
[Aqueous pores of the protein globule in the sodium channel associated with its gating mechanism] Chizhmakov IV, et al. **Dokl Akad Nauk SSSR** 1987;292(4):989–92 **(Rus)**

ANALYSIS

Synaptophysin—an immuno-histochemical marker for childhood neuroblastoma. Miettinen M, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1987 Jul; 95(4):167–70
EMA and small cell anaplastic carcinomas: further evidence for an epithelial origin needed [letter] Byard RW. **Am J Clin Pathol** 1986 Nov;86(5):692–3
Desmosomal plaque-associated vimentin filaments in human ovarian granulosa cell tumors of various histologic patterns. Czernobilsky B, et al. **Am J Pathol** 1987 Mar;126(3):476–86
Synaptophysin expression in neuroendocrine neoplasms as determined by immunocytochemistry. Gould VE, et al. **Am J Pathol** 1987 Feb;126(2):243–57
Synaptophysin. A new marker for pancreatic neuroendocrine tumors. Chejfec G, et al. **Am J Surg Pathol** 1987 Apr; 11(4):241–7

Large-cell lymphoma. Diagnostic difficulties and case study. Gonzalez-Crussi F, et al. **Am J Surg Pathol** 1987 Jan; 11(1):59–65

Bovine leukocytes in mammary secretions during involution: surface protein changes. Hurley WL, et al. **Am J Vet Res** 1986 Nov;47(11):2418–22

Adaptation of the Bradford protein assay to membrane-bound proteins by solubilizing in glucopyranoside detergents. Fanger BO. **Anal Biochem** 1987 Apr;162(1):11–7

Phenol-acetic acid-urea polyacrylamide gel electrophoresis of membrane proteins. Gallagher SR, et al. **Anal Biochem** 1987 May 1;162(2):350–7

Ultracytochemistry of ouabain-sensitive K+-dependent p-nitrophenyl phosphatase in rat incisor enamel organ. Garant PR, et al. **Anat Rec** 1986 Sep;216(1):1–9

Regulated secretory pathways of neurons and their relation to the regulated secretory pathway of endocrine cells. de Camilli P, et al. **Ann NY Acad Sci** 1987;493:461–79 (48 ref.)

Photolabeling of the integral proteins of skeletal muscle sarcoplasmic reticulum: comparison of junctional and nonjunctional membrane fractions. Volpe P, et al. **Arch Biochem Biophys** 1987 Feb 15;253(1):138–45

Synaptophysin. A new and promising pan-neuroendocrine marker. Gould VE. **Arch Pathol Lab Med** 1987 Sep; 111(9):791–4

Synaptophysin and neurofilament proteins as markers for neuroendocrine tumors. Miettinen M. **Arch Pathol Lab Med** 1987 Sep;111(9):813–8

Epithelial membrane antigen staining patterns of histiocytic lesions. Rabkin MS, et al. **Arch Pathol Lab Med** 1987 Apr; 111(4):337–8

Epithelial membrane antigen expression by meningiomas, and the perineurium of peripheral nerve [letter] Theaker JM, et al. **Arch Pathol Lab Med** 1987 May;111(5):409

Carcinoembryonic antigen and milk-fat globule protein staining of malignant mesothelioma and adenocarcinoma of the lung. Tron V, et al. **Arch Pathol Lab Med** 1987 Mar;111(3):291–3

Monoclonal antibodies detect M-protein epitopes on the surface of influenza virions. Joassin L, et al. **Arch Virol** 1987;95(3–4):183–95

Immunochemical detection and quantitation of brown adipose tissue uncoupling protein. Henningfield MF, et al. **Biochem Cell Biol** 1987 Mar;65(3):245–51

1-Palmitoyl-2-(p-benzoyl)benzoyl phosphatidylcholine, a photoactive phospholipid for the labelling of membrane components. Montecucco C, et al. **Biochem J** 1986 Jul 1; 237(1):309–12

Lipid mobility and order in bovine rod outer segment disk membranes. A spin-label study of lipid-protein interactions. Pates RD, et al. **Biochemistry** 1987 Jan 13; 26(1):29–39

Selective radiolabeling of cell surface proteins to a high specific activity. Thompson JA, et al. **Biochemistry** 1987 Feb 10;26(3):743–50

Identification of frog photoreceptor plasma and disk membrane proteins by radioiodination. Witt PL, et al. **Biochemistry** 1987 Mar 24;26(6):1769–76

Detection of oxidized lipid-modified erythrocyte membrane proteins by radiolabeling with tritiated borohydride. Beppu M, et al. **Biochim Biophys Acta** 1987 Feb 12;897(1):169–79

The intramembranous domains of lipophilin in phosphatidylcholine vesicles are similar to those in the myelin membrane. Kahan I, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):223–6

Effect of chemical modification on the crystallization of Ca2+-ATPase in sarcoplasmic reticulum. Varga S, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):187–95

Immunolocalization of plakoglobin in endothelial junctions: identification as a special type of Zonulae adhaerentes. Franke WW, et al. **Biol Cell** 1987;59(3):205–18

Changes in neutrophil surface protein composition accompany phagocytosis. Skubitz KM, et al. **Blood** 1987 Jul;70(1):60–8

A new immunoassay using monoclonal antibodies HMFG1 and HMFG2 together with an existing marker CA125 for the serological detection and management of epithelial ovarian cancer. Dhokia B, et al. **Br J Cancer** 1986 Dec; 54(6):891–5

Characterization of the blood-brain barrier: glycoconjugate receptors of 14 lectins in canine brain, cultured endothelial cells, and blotted membrane proteins. Fatehi MI, et al. **Brain Res** 1987 Jul 7;415(1):30–9

The 5B4 antigen expressed on sprouting neurons contains alpha-2,8-linked polysialic acid. Rosenberg J, et al. **Brain Res** 1986 Dec;395(2):262–7

Characterization of two plasma membrane proteins abundant in rat brain. Steisslinger HW, et al. **Brain Res** 1987 Jul 14;415(2):375–9

A common epithelial cell surface antigen (EPM-1) on gastrointestinal tumors and in human sera. Dippold WG, et al. **Cancer Res** 1987 Jul 15;47(14):3873–9

Preferential expression of a Mr 155,000 milk-fat-globule membrane glycoprotein on luminal epithelium of lobules in human breast. Imam A, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6374–9

Isolation and characterization of Rana catesbeiana lectin and demonstration of the lectin-binding glycoprotein of rodent and human tumor cell membranes. Nitta K, et al. **Cancer Res** 1987 Sep 15;47(18):4877–83

Changes in the cell surface protein composition of human alveolar macrophages induced by smoking. Skubitz KM, et al. **Cancer Res** 1987 Jun 15;47(12):3072–82

Membrane-associated glycoprotein (gp 160) identified on human lung tumors by a monoclonal antibody. Zylstra S, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6446–51

Expression of fasciclin I and II glycoproteins on subsets of axon pathways during neuronal development in the grasshopper. Bastiani MJ, et al. **Cell** 1987 Mar 13; 48(5):745–55

2-D gel membrane protein patterns during fetal rat hepatocyte development. Radford J, et al. **Cell Biol Int Rep** 1987 Apr;11(4):319–34

Lipid and protein characterisation of neuromuscular synaptosomal membranes from rabbit diaphragm. Venkov L, et al. **Cell Mol Biol** 1987;33(2):173–81

Antigenic interrelationship between the 40-kilodalton cytokeratin polypeptide and desmoplakins. Gigi-Leitner O, et al. **Cell Motil Cytoskeleton** 1986;6(6):628–39

Is the hemidesmosome a half desmosome? An immunological comparison of mammalian desmosomes and hemidesmosomes. Jones JC, et al. **Cell Motil Cytoskeleton** 1986;6(6):560–9

Radioiodinated surface proteins of rabbit trophectoderm cells. Ricketts AP, et al. **Cell Tissue Res** 1986;246(3):667–71

Brown adipose tissue uncoupling protein content in human infants, children and adults. Lean ME, et al. **Clin Sci** 1986 Sep;71(3):291–7

The establishment of hepatocyte cell surface polarity during fetal liver development. Feracci H, et al. **Dev Biol** 1987 Sep;123(1):73–84

Fetomodulin: marker surface protein of fetal development which is modulatable by cyclic AMP. Imada M, et al. **Dev Biol** 1987 Aug;122(2):483–91

Synaptophysin expressed in the bronchopulmonary tract: neuroendocrine cells, neuroepithelial bodies, and neuroendocrine neoplasms. Lee I, et al. **Differentiation** 1987;34(2):115–25

Immunocytochemical localization of extracellular-matrix proteins in relation to rat intestinal morphogenesis. Simon-Assmann P, et al. **Differentiation** 1986;32(1):59–66

Location of the 100 kd-50 kd accessory proteins in clathrin coats. Vigers GP, et al. **EMBO J** 1986 Sep;5(9):2079–85

Differential detergent-solubilization of integral thylakoid membrane complexes in spinach chloroplasts. Localization of photosystem II, cytochrome b6-f complex and photosystem I. Morrissey PJ, et al. **Eur J Biochem** 1986 Oct 15;160(2):389–93

The structure of the O-glycosidic oligosaccharide chains of the major Zajdela hepatoma ascites-cell-membrane glycoprotein. Nato F, et al. **Eur J Biochem** 1986 Sep 1; 159(2):303–8

Plasma membrane isolated from Giardia lamblia: identification of membrane proteins. Clark JT, et al. **Eur J Cell Biol** 1986 Dec;42(2):200–6

Polarized distribution of Mr 210,000 and 190,000 analogs of erythrocyte ankyrin along the plasma membrane of transporting epithelia, neurons and photoreceptors. Drenckhahn D, et al. **Eur J Cell Biol** 1987 Jun;43(3):479–86

Plakoglobin is a component of the filamentous subplasmalemmal coat of lens cells. Franke WW, et al. **Eur J Cell Biol** 1987 Jun;43(3):301–15

Surface proteins localized in ruffling membranes and filopodia of human glioma cells detected using Mab S-11E10. Sawa H, et al. **Eur J Cell Biol** 1987 Jun; 43(3):443–9

A constitutive transmembrane glycoprotein of Mr 165,000 (desmoglein) in epidermal and non-epidermal desmosomes. I. Biochemical identification of the polypeptide. Schmelz M, et al. **Eur J Cell Biol** 1986 Dec;42(2):177–83

Plasmodium chabaudi malaria: red blood cells with altered membrane proteins in immune mice. Wunderlich F, et al. **Eur J Cell Biol** 1987 Jun;43(3):499–500

T11TS, the cell surface molecule binding to the "erythrocyte receptor" of T lymphocytes: cellular distribution, purification to homogeneity and biochemical properties. Hünig T, et al. **Eur J Immunol** 1986 Dec;16(12):1615–21

Glycoprotein profiles of macrophages at different stages of activation as revealed by lectin binding after electrophoretic separation. Irimura T, et al. **Eur J Immunol** 1987 Jan;17(1):73–8

A sensitive method to quantify the terminal differentiation of cultured epidermal cells. King I, et al. **Exp Cell Res** 1986 Nov;167(1):252–6

Autolytic changes of human white matter: an electron microscopic and electrophoretic study. Hukkanen V, et al. **Exp Mol Pathol** 1987 Feb;46(1):31–9

Trypanosoma brucei brucei, T. brucei gambiense, and T. brucei rhodesiense: common glycoproteins and glycoprotein oligosaccharide heterogeneity identified by lectin affinity blotting and endoglycosidase H treatment. Frommel TO, et al. **Exp Parasitol** 1987 Feb;63(1):32–41

Trypanosoma rhodesiense: antigenicity and immunogenicity of flagellar pocket membrane components. McLaughlin J. **Exp Parasitol** 1987 Aug;64(1):1–11

Lectin binding and surface glycoprotein pattern of human macrophage populations. Kreipe H, et al. **Histochemistry** 1986;86(2):201–6

Distribution of synaptophysin immunoreactivity in guinea pig heart. Metz J, et al. **Histochemistry** 1986;86(2):221–4

Synaptophysin: a novel marker for neurons, certain neuroendocrine cells, and their neoplasms. Gould VE, et al. **Hum Pathol** 1986 Oct;17(10):979–83

Keratins versus epithelial membrane antigen in tumor diagnosis: an immunohistochemical comparison of five monoclonal antibodies. Thomas P, et al. **Hum Pathol** 1987 Jul;18(7):728–34

A monoclonal antibody, GR7A4, reacting with the T10 antigen. Ruiz-Cabello F, et al. **Hybridoma** 1987 Jun; 6(3):275–84

Functional domains of the T lymphocyte plasma membrane: characterization of the polypeptide composition. Szamel M, et al. **Immunobiology** 1987 Jan;174(1):76–92

Decay accelerating factor (DAF) peptide sequences share homology with a consensus sequence found in the superfamily of structurally related complement proteins and other proteins including haptoglobin, factor XIII, beta 2-glycoprotein I, and the IL-2 receptor. Nicholson-Weller A, et al. **Immunol Lett** 1987 Apr;14(4):307–11

Surface proteins of Bordetella pertussis: comparison of virulent and avirulent strains and effects of phenotypic modulation. Armstrong SK, et al. **Infect Immun** 1986 Nov; 54(2):308–14

Immunological analysis of mucin molecules expressed by normal and malignant mammary epithelial cells. Griffiths AB, et al. **Int J Cancer** 1987 Sep 15;40(3):319–27

Comparison of circulating MAM-6 and CEA levels and correlation with the estrogen receptor in patients with breast cancer. Hilkens J, et al. **Int J Cancer** 1987 Apr 15; 39(4):431–5

Circulating tumor-associated antigen detected by the monoclonal antibody HMFG2 in human epithelial ovarian cancer. Ward BG, et al. **Int J Cancer** 1987 Jan 15;39(1):30–3

Polarized distribution of integrin and fibronectin in retinal pigment epithelium. Philp NJ, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1275–80

Purification and characterization of fimbriae from Salmonella enteritidis. Feutrier J, et al. **J Bacteriol** 1986 Oct; 168(1):221–7

Identification of the 37-kDa protein displaying a variable interaction with the erythroid cell membrane as glyceraldehyde-3-phosphate dehydrogenase. Allen RW, et al. **J Biol Chem** 1987 Jan 15;262(2):649–53

Identification of chromaffin granule-binding proteins. Relationship of the chromobindins to calelectrin, synhibin, and the tyrosine kinase substrates p35 and p36. Creutz CE, et al. **J Biol Chem** 1987 Feb 5;262(4):1860–8

Association of brain ankyrin with brain membranes and isolation of active proteolytic fragments of membrane-associated ankyrin-binding protein(s). Davis JQ, et al. **J Biol Chem** 1986 Dec 5;261(34):16198–206

Topological analysis of the major protein in isolated intact rat liver gap junctions and gap junction-derived single membrane structures. Zimmer DB, et al. **J Biol Chem** 1987 Jun 5;262(16):7751–63

Plasmalemmal proteins of cultured vascular endothelial cells exhibit apical-basal polarity: analysis by surface-selective iodination. Muller WA, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2389–402

Protein p38: an integral membrane protein specific for small vesicles of neurons and neuroendocrine cells. Navone F, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2511–27

100-kD coated vesicle proteins: molecular heterogeneity and intracellular distribution studied with monoclonal antibodies. Robinson MS. **J Cell Biol** 1987 Apr; 104(4):887–95

A plasma membrane integral sialoglycoprotein (Sgp 130) molecularly distinguishes nonjunctional dense plaque sites of microfilament attachment. Rogalski AA. **J Cell Biol** 1987 Aug;105(2):819–31

Monoclonal antibodies identify a group of nuclear pore complex glycoproteins. Snow CM, et al. **J Cell Biol** 1987 May;104(5):1143–56

Formation of the apical pole of epithelial (Madin-Darby canine kidney) cells: polarity of an apical protein is independent of tight junctions while segregation of a basolateral marker requires cell-cell interactions. Vega-Salas DE, et al. **J Cell Biol** 1987 Apr;104(4):905–16

A-CAM: a 135-kD receptor of intercellular adherens junctions. I. Immunoelectron microscopic localization and biochemical studies. Volk T, et al. **J Cell Biol** 1986 Oct; 103(4):1441–50

Micrometer-scale domains in fibroblast plasma membranes. Yechiel E, et al. **J Cell Biol** 1987 Aug;105(2):755–60

Surface glycoproteins of human spermatozoa. Kallajoki M, et al. **J Cell Sci** 1986 Jun;82:11–22

Cell surface glycoproteins change during gastrulation in Pleurodeles waltlii. Riou JF, et al. **J Cell Sci** 1986 Jun; 82:23–40

Identification of a 16,600-dalton outer membrane protein on nontypeable Haemophilus influenzae as a target for human serum bactericidal antibody. Murphy TF, et al. **J Clin Invest** 1986 Oct;78(4):1020–7

A novel protein of rat epidermis--haematoxylin stain-positive protein of keratohyalin granules as the membrane lining protein of the stratum corneum. Tezuka T, et al. **J Dermatol (Tokyo)** 1986 Dec;13(6):417–25

Cell surface glycoconjugates and carbohydrate-binding proteins: possible recognition signals in sensory neurone development. Dodd J, et al. **J Exp Biol** 1986 Sep; 124:225–38

Identification and characterization of a pore-forming protein of human peripheral blood natural killer cells. Liu CC, et al. **J Exp Med** 1986 Dec 1;164(6):2061–76

Identification of the complement decay-accelerating factor (DAF) on epithelium and glandular cells and in body fluids. Medof ME, et al. **J Exp Med** 1987 Mar 1;165(3):848–64

Post-testicular change in the reptile sperm surface with particular reference to the snake, Natrix fasciata. Esponda P, et al. **J Exp Zool** 1987 Jan;241(1):123–32

Simultaneous light and electron microscopic observation of immunolabeled liver 27 KD gap junction protein on ultra-thin cryosections. Dermietzel R, et al. **J Histochem Cytochem** 1987 Mar;35(3):387–92

Microvillus-specific Mr 75,000 plasma membrane protein of human choriocarcinoma cells. Pakkanen R, et al. **J Histochem Cytochem** 1987 Aug;35(8):809–16

Immunohistochemical localization and characterization of a protein from the basolateral membrane of rat small intestine epithelium using monoclonal antibody GZ–1. Schiechl H, et al. **J Histochem Cytochem** 1986 Dec;34(12):1659–65

Epithelial membrane polarity: a stable, differentiated feature of an established human breast carcinoma cell line MCF–7. van Deurs B, et al. **J Histochem Cytochem** 1987 Apr; 35(4):461–9

Identification of a family of high molecular weight tumor-associated glycoproteins. Abe M, et al. **J Immunol** 1987 Jul 1;139(1):257–61

Subcellular localization of human monocyte interleukin 1: evidence for an inactive precursor molecule and a possible mechanism for IL 1 release. Bakouche O, et al. **J Immunol** 1987 Jun 15;138(12):4249–55

Additional forms of human decay-accelerating factor (DAF). Seya T, et al. **J Immunol** 1987 Aug 15;139(4):1260–7

Development of a radioimmunoassay for human milk-fat-globule membrane glycoprotein. Its quantitation in spent media from both primary and established mammary and non-mammary epithelial cell lines. Imam A, et al. **J Immunol Methods** 1986 Nov 20;94(1–2):181–9

Adenylate cyclase activity, membrane fluidity and fatty acid composition of rat heart in essential fatty acid deficiency. Alam SQ, et al. **J Mol Cell Cardiol** 1987 May;19(5):465–75

Cross reactivity of anti-epithelial membrane antigen monoclonal for reactive and neoplastic glial cells. Hitchcock E, et al. **J Neurooncol** 1987;4(4):345–52

Comparisons of proteins and glycoproteins in neuronal plasma membranes, axolemma, synaptic membranes, and oligodendroglial plasma membranes. Hampson DR, et al. **J Neurosci Res** 1987;17(3):277–84

Presence of apocrine epithelial antigen (AEA) in type II pneumocytes and in hyaline membranes of neonatal RDS. Forsman LM, et al. **J Pathol** 1986 Dec;150(4):289–94

Detection by monoclonal antibodies of an early membrane protein induced by Epstein-Barr virus. Balachandran N, et al. **J Virol** 1986 Nov;60(2):369–75

Immunohistochemical localization of the epithelial marker MAM-6 in invasive malignancies and highly dysplastic adenomas of the large intestine. Zotter S, et al. **Lab Invest** 1987 Aug;57(2):193–9

Functionally relevant membrane proteins of human and guinea-pig T lymphocytes. Burger R, et al. **Mol Immunol** 1986 Nov;23(11):1149–56 (57 ref.)

Two-dimensional analysis of metabolically and cell surface radiolabeled proteins of some human lymphoid and myeloid leukemia cell lines. II. Glycosylated and phosphorylated proteins. Chorváth B, et al. **Neoplasma** 1986;33(5):565–70

Two-dimensional analysis of metabolically and cell surface radiolabeled proteins of some human lymphoid and myeloid leukemia cell lines. I. 35S-methionine labeled, lactoperoxidase radioiodinated and 3H-reductively methylated proteins. Duraj J, et al. **Neoplasma** 1986; 33(5):555–64

Protein organization of rat synaptic plasma membranes and synaptic vesicles: a one- and two-dimensional study. Popoli M, et al. **Neurochem Res** 1986 Dec;11(12):1683–97

Comparative analysis of the membrane proteins and their specificities in neurons, protoplasmic astrocytes, and oligodendrocytes from rat brain. Sil M, et al. **Neurochem Res** 1986 Aug;11(8):1181–91

Demonstration by phase-partitioning in Triton X–114 solutions that phosphoprotein B–50 (F–1) from rat brain is an integral membrane protein. Dosemeci A, et al. **Neurosci Lett** 1987 Mar 9;74(3):325–30

Distribution of epithelial membrane antigen in endometrial carcinoma with argyrophilia. Ueda G, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jun;39(6):998–9

Isolation and characterization of a monoclonal anti-P30 antibody resistant mutant of Toxoplasma gondii. Kasper LH. **Parasite Immunol** 1987 Jul;9(4):433–45

High activity of N-alpha-benzyloxycarbonyl-L-lysine thiobenzyl ester serine esterase and cytolytic perforin in cloned cell lines is not demonstrable in in-vivo-induced cytotoxic effector cells. Dennert G, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5004–8

An internalized transmembrane protein resides in a fusion-competent endosome for less than 5 minutes. Gruenberg J, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(16):5758–62

A phosphorylated, disulfide-linked membrane protein in murine cytotoxic T lymphocytes. Lieberman J, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7870–4

Purified membrane and soluble folate binding proteins from cultured KB cells have similar amino acid compositions and molecular weights but differ in fatty acid acylation. Luhrs CA, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(18):6546–9

In vivo interaction of antibodies with cell surface proteins used as antigens. Caldwell PR, et al. **Tissue Cell** 1986; 18(6):809–16

The distribution of four lysosomal integral membrane proteins (LIMPs) in rat basophilic leukemia cells. Suárez-Quian CA. **Tissue Cell** 1987;19(4):495–504

Epithelial membrane antigen as an immunohistochemical marker for transitional cell carcinoma of the urinary bladder. Takashi M, et al. **Urol Int** 1987;42(3):170–5

Intermediate filaments and desmosomal plaque proteins in testicular seminomas and non-seminomatous germ cell tumours as revealed by immunohistochemistry. Denk H, et al. **Virchows Arch [A]** 1987;410(4):295–307

Synaptophysin: a reliable marker for medulloblastomas. Schwechheimer K, et al. **Virchows Arch [A]** 1987; 411(1):53–9

Polymorphisms of major surface proteins of Borrelia burgdorferi. Barbour AG, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):83–91

[The significance of determining intermediate filament and epithelial membrane antigens in the differential diagnosis and histogenetic differentiation of ovarian tumors] Düe W, et al. **Verh Dtsch Ges Pathol** 1986;70:295–9 (Eng. Abstr.) **(Ger)**

[Immunohistochemical determination of prostate-specific acid phosphatase (PSAP), prostate-specific antigen (PSA) and epithelial membrane antigen (EMA) with monoclonal antibodies in punch biopsies of the prostate] Wacker U, et al. **Verh Dtsch Ges Pathol** 1986;70:325–8 (Eng. Abstr.) **(Ger)**

[S phase fraction and immunohistologic demonstration of the epithelial marker MAM–6 in orofacial tumors] Kunz J, et al. **Zentralbl Allg Pathol** 1986;132(3):233–42 (Eng. Abstr.) **(Ger)**

[Changes in erythrocyte membrane protein in congenital dyserythropoietic anemia type II (C.D.A.II, HEMPAS)] Scartezzini P, et al. **Pathologica** 1985 Nov–Dec; 77(1052):631–8 (33 ref.) (Eng. Abstr.) **(Ita)**

[The mutual relationship with hematoxylin stain positive protein and keratohyalin granules in newborn rat epidermis] Takahashi M, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Nov;96(12):1225–9 **(Jpn)**

[An immunohistochemical study of the distribution of epithelial membrane antigen (EMA) in uterine carcinoma] Fukuda K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 May;39(5):739–45 (Eng. Abstr.) **(Jpn)**

[Structural changes in sugar chains of membrane glycoproteins during hematopoietic cell differentiation] Takasaki S. **Seikagaku** 1987 Apr;59(4):205–22 (104 ref.) **(Jpn)**

[Protein damage after treatment with ozone of protoplasts and isolated E. coli membranes] Matus VK, et al. **Biofizika** 1987 May–Jun;32(3):477–81 (Eng. Abstr.) **(Rus)**

[Surface-enhanced Raman spectroscopy of biopolymers: membrane proteins, bacteriorhodopsin and rhodopsin adsorbed on silver electrodes and silver hydrosols] Nabiev IR, et al. **Biofizika** 1986 Jul–Aug;31(4):724–34 (Eng. Abstr.) **(Rus)**

[Mass-spectrometric determination of the structure of glycopeptides from the bacterial cell wall (illustrated by Lactobacillus bulgaricus)] Reshetova OS, et al. **Bioorg Khim** 1986 Dec;12(12):1625–36 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Inhibition of phosphatidylinositol kinase in vascular smooth muscle membranes by adenosine and related compounds. Doctrow SR, et al. **Biochem Pharmacol** 1987 Jul 15; 36(14):2255–62

Specific inhibition of macrophage antibody-dependent endocytosis by p-chloromercuribenzenesulphonic acid: identification of sensitive membrane proteins. Petty HR. **Immunology** 1987 Feb;60(2):269–73

Na+/Ca2+ antiport in cultured arterial smooth muscle cells. Inhibition by magnesium and other divalent cations. Smith JB, et al. **J Biol Chem** 1987 Sep 5;262(25):11988–94

BIOSYNTHESIS

Biosynthetic controls that determine the branching and microheterogeneity of protein-bound oligosaccharides. Schachter H. **Adv Exp Med Biol** 1986;205:53–85 (61 ref.)

Alteration of intracellular synthesis of surface membrane glycoproteins in small intestine of iron-deficient rats. Buts JP, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):G737–43

Structure and biosynthesis of neuronal sodium channels. Catterall WA, et al. **Ann NY Acad Sci** 1986;479:186–203

Biosynthesis of electroplax sodium channels. Thornhill WB, et al. **Ann NY Acad Sci** 1986;479:356–63

The effect of extracellular Ca2+ and temperature on the induction of the heat-shock and glucose-regulated proteins in hamster fibroblasts. Kim KS, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):881–7

Biosynthesis of intestinal microvillar proteins. Processing of N-linked carbohydrate is not required for surface expression. Danielsen EM, et al. **Biochem J** 1986 Dec 15; 240(3):777–82

Lysosomal membrane glycoprotcins: properties of LAMP-1 and LAMP-2. Chen JW, et al. **Biochem Soc Symp** 1986; 51:97–112

Membrane biogenesis in embryonal carcinomas: glycoproteins destined for the cell surface are delayed in a pre-Golgi compartment. Ivatt RJ. **Biochemistry** 1986 Nov 18;25(23):7522–8

Stage-specific synthesis and fucosylation of plasma membrane proteins by mouse pachytene spermatocytes and round spermatids in culture. Gerton GL, et al. **Biol Reprod** 1986 Nov;35(4):1025–35

Expression of the human monocyte membrane antigen gp55 by murine fibroblasts after DNA-mediated gene transfer. Ashmun RA, et al. **Blood** 1987 Mar;69(3):886–92

Factor XIII A is synthesized and expressed on the surface of U937 cells and alveolar macrophages. Kradin RL, et al. **Blood** 1987 Mar;69(3):778–85

Association between gelatinase release and increased plasma membrane expression of the Mo1 glycoprotein. Petrequin PR, et al. **Blood** 1987 Feb;69(2):605–10

Caenorhabditis elegans spermatozoa assemble membrane proteins onto the surface at the tips of pseudopodial projections. Pavalko FM, et al. **Cell Motil Cytoskeleton** 1987;7(2):169–77

Sequential expression of OX2 and Thy-1 glycoproteins on the neuronal surface during development. An immunohistochemical study of rat cerebellum. Morris RJ, et al. **Dev Neurosci** 1987;9(1):33–44

Mouse endometrial stromal cells produce basement-membrane components. Wewer UM, et al. **Differentiation** 1986;32(1):49–58

Expression of the mitochondrial uncoupling protein in brown adipocytes. Absence in brown preadipocytes and BFC–1 cells. Modulation by isoproterenol in adipocytes. Forest C, et al. **Exp Cell Res** 1987 Jan;168(1):233–46

Antigenic analysis of hematopoiesis. V. Characterization of My-10 antigen expression by normal lymphohematopoietic progenitor cells. Strauss LC, et al. **Exp Hematol** 1986 Oct; 14(9):878–86

Enterocyte protein processing and synthesis. Alpers DH. **Hepatology** 1987 Jan–Feb;7(1 Suppl):52S–55S

Identification of pheromone-induced surface proteins in Streptococcus faecalis and evidence of a role for lipoteichoic acid in formation of mating aggregates. Ehrenfeld EE, et al. **J Bacteriol** 1986 Oct;168(1):6–12

Biosynthesis of membrane polypeptides of rat liver peroxisomes. Suzuki Y, et al. **J Biochem (Tokyo)** 1987 Feb; 101(2):491–6

Signal recognition particle arrests elongation of nascent secretory and membrane proteins at multiple sites in a transient manner. Lipp J, et al. **J Biol Chem** 1987 Feb 5; 262(4):1680–4

Proteoglycans and glycosaminoglycans induce gap junction synthesis and function in primary liver cultures. Spray DC, et al. **J Cell Biol** 1987 Jul;105(1):541–51

Modulation of the expression of an apical plasma membrane protein of Madin–Darby canine kidney epithelial cells: cell–cell interactions control the appearance of a novel intracellular storage compartment. Vega-Salas DE, et al. **J Cell Biol** 1987 May;104(5):1249–59

Apical trehalase expression associated with cell patterning after inducer treatment of LLC–PK1 monolayers. Yoneyama Y, et al. **J Cell Physiol** 1987 Jun;131(3):330–41

Monoclonal antibodies to the latent membrane protein of Epstein–Barr virus reveal heterogeneity of the protein and inducible expression in virus–transformed cells. Rowe M, et al. **J Gen Virol** 1987 Jun;68 (Pt 6):1575–86

T cell induction of membrane IL 1 on macrophages. Weaver CT, et al. **J Immunol** 1986 Dec 15;137(12):3868–73

Induction of new proteins by gamma interferon in cultured human keratinocytes. Mansbridge JN, et al. **J Invest Dermatol** 1987 May;88(5):602–10

Differential localization of membrane receptor chemotaxis proteins in the Caulobacter predivisional cell. Nathan P, et al. **J Mol Biol** 1986 Oct 5;191(3):433–40

Posttranslational processing of the Epstein–Barr virus–encoded p63/LMP protein. Mann KP, et al. **J Virol** 1987 Jul;61(7):2100–8

Synthesis of basement membrane-specific macromolecules by cultured human microvascular endothelial cells isolated from skin of diabetic and nondiabetic subjects. Fuh GM, et al. **Microvasc Res** 1986 Nov;32(3):359–70

Integral membrane glycoprotein properties of the prohormone pro-transforming growth factor-alpha. Teixidó J, et al. **Nature** 1987 Apr 30–May 6;326(6116):883–5

Expression of active, membrane-bound human placental alkaline phosphatase by transfected simian cells. Berger J, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4885–9

Synthesis of sodium channels in the cell bodies of squid giant axons. Brismar T, et al. **Proc Natl Acad Sci USA** 1987 Mar; 84(5):1459–63

Down-regulation of class I HLA antigens and of the Epstein–Barr virus–encoded latent membrane protein in Burkitt lymphoma lines. Masucci MG, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4567–71

Coinduction of glucose-regulated proteins and doxorubicin resistance in Chinese hamster cells. Shen J, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3278–82

Mitochondrial protein synthesis in interspecific somatic cell hybrids. Zuckerman SH, et al. **Somatic Cell Mol Genet** 1986 Sep;12(5):449–58

BLOOD

The role of phosphorylation/dephosphorylation reactions in the function of blood platelets. Gerrard JM, et al. **Agents Actions [Suppl]** 1986;20:129–45

Evaluation of the platelet surface by fluorescence flow cytometry. Shafi NQ. **Ann Clin Lab Sci** 1986 Sep–Oct; 16(5):365–72 (29 ref.)

Red cell biochemical anatomy and membrane properties. Chasis JA, et al. **Annu Rev Physiol** 1987;49:237–48 (66 ref.)

Thermotropic properties of human erythrocyte membrane proteins as affected by hydroxychloroaromatic compounds. Miller TL, et al. **Arch Biochem Biophys** 1986 Oct; 250(1):128–38

Stimulation of the 23-Kd protein cAMP dependent phosphorylation by inositol 1,4,5 trisphosphate in human platelet membrane vesicles. Enouf J, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):139–45

Cross-linked polymers in the red cell membranes of a patient with Hb-Koln disease. Lorand L, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):602–7

Activation of NADPH oxidase and phosphorylation of membrane proteins in human neutrophils: coordinate inhibition by a surface antigen-directed monoclonal antibody. Pontremoli S, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):1121–6

Electron spin resonance (ESR) studies of skeletal protein interactions in human erythrocyte membranes exposed to polyanions and in membranes prepared from inositol hexaphosphate (IHP)–incorporated low-affinity erythrocytes. Wyse JW, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):779–86

Characterization of O-glycosidically linked oligosaccharides of rat erythrocyte membrane sialoglycoproteins. Edge AS, et al. **Biochemistry** 1986 Dec 2;25(24):8017–24

Covalent attachment of sulfhydryl-specific, electron spin resonance spin-labels to Fab' fragments of murine monoclonal antibodies that recognize human platelet membrane glycoproteins. Development of membrane protein specific spin probes. Kunicki TJ, et al. **Biochemistry** 1986 Sep 9;25(18):4979–83

Inhibition of protein cross-linking in Ca2+-enriched human erythrocytes and activated platelets. Lorand L, et al. **Biochemistry** 1987 Jan 13;26(1):308–13

Radioiodinated, photoactivatable phosphatidylcholine and phosphatidylserine: transfer properties and differential photoreactive interaction with human erythrocyte membrane proteins. Schroit AJ, et al. **Biochemistry** 1987 Apr 7;26(7):1812–9

The relationship of phosphorylation of membrane proteins with the osmotic fragility and filterability of Plasmodium berghei–infected mouse erythrocytes. Yuthavong Y, et al. **Biochim Biophys Acta** 1987 Jul 29;929(3):278–87

Aberrant pattern of red cell membrane and cytosolic proteins in a case of congenital dyserythropoietic anaemia. Pothier B, et al. **Br J Haematol** 1987 Jul;66(3):393–400

Comparison of human and pigeon erythrocyte membrane proteins by one- and two-dimensional gel electrophoresis. Dockham PA, et al. **Comp Biochem Physiol [B]** 1987; 87(1):171–7

Hybrid glycophorins from human erythrocyte membranes. I. Isolation and complete structural analysis of the hybrid sialoglycoprotein from Dantu-positive red cells of the N.E. variety. Dahr W, et al. **Eur J Biochem** 1987 Jul 1; 166(1):31–6

Structural analysis of the major human erythrocyte membrane sialoglycoprotein from Miltenberger class VII cells. Dahr W, et al. **Eur J Biochem** 1987 Jul 1;166(1):27–30

Gerbich blood group deficiency of the Ge:-1,-2,-3 and Ge:-1,-2,3 types. Immunochemical study and genomic analysis with cDNA probes. Le Van Kim C, et al. **Eur J Biochem** 1987 Jun 15;165(3):571–9

Assay of epithelial membrane antigen (EMA) in human serum by ELISA. Hendrick JC, et al. **Eur J Cancer Clin Oncol** 1986 Oct;22(10):1223–9

Detection of the major pertussis toxin substrate of human leukocytes with antisera raised against synthetic peptides. Falloon J, et al. **FEBS Lett** 1986 Dec 15;209(2):352–6

Glycolipid membrane-binding domain of human erythrocyte acetylcholinesterase. Rosenberry TL, et al. **Fed Proc** 1986 Dec;45(13):2970–5 (25 ref.)

Abnormal degradation of erythrocyte membrane proteins in Down's syndrome. Gaczyńska M, et al. **Hereditas** 1987; 106(1):151–3

Endothelial surface enzymes and the dynamic processing of plasma substrates. Ryan JW, et al. **Int Rev Exp Pathol** 1984; 26:1–43 (145 ref.)

Regulation of the beta-receptor–adenylate cyclase system in lymphocytes of allergic patients with asthma: possible role for protein kinase C in allergen-induced nonspecific refractoriness of adenylate cyclase. Meurs H, et al. **J Allergy Clin Immunol** 1987 Sep;80(3 Pt 1):326–39

Erythropoietin rapidly alters phosphorylation of pp43, an erythroid membrane protein. Choi HS, et al. **J Biol Chem** 1987 Mar 5;262(7):2933–6

Regulatory domains of erythrocyte ankyrin. Hall TG, et al. **J Biol Chem** 1987 Aug 5;262(22):10537–45

A high m.w. form of decay-accelerating factor (DAF-2) exhibits size abnormalities in paroxysmal nocturnal hemoglobinuria erythrocytes. Kinoshita T, et al. **J Immunol** 1987 May 1;138(9):2994–8

Effect of copper deficiency on erythrocyte membrane proteins of rats. Johnson WT, et al. **J Nutr** 1987 Jun; 117(6):1085–90

Influence of beta-lactam antibiotics on platelets. I. In vivo effects of latamoxef and related beta-lactam antibiotics on membrane proteins and glycoproteins of rat platelets. Arita H, et al. **J Pharmacobiodyn** 1986 Nov;9(11):896–901

Control of malarial invasion by phosphorylation of the host cell membrane cytoskeleton. Rangachari K, et al. **Nature** 1986 Nov 27–Dec 3;324(6095):364–5

Specific binding of [alpha-32P]GTP to cytosolic and membrane-bound proteins of human platelets correlates with the activation of phospholipase C. Lapetina EG, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2261–5

The effect of platelet surface protein phosphorylation on collagen-platelet interaction. Chiang TM, et al. **Thromb Res** 1986 Dec 1;44(5):639–47

Evidence that the Lub blood group antigen is located on red cell membrane glycoproteins of 85 and 78 kd. Parsons SF, et al. **Transfusion** 1987 Jan-Feb;27(1):61–3

[Structural characteristics of integral protein-3 of rat erythrocyte membranes in hypovitaminosis D] Apukhovskaia LI, et al. **Ukr Biokhim Zh** 1986 Sep–Oct; 58(5):27–32 (Eng. Abstr.) **(Rus)**

DEFICIENCY

Deficiency of leukocyte surface glycoproteins Mo1, LFA-1, and Leu M5 in a dog with recurrent bacterial infections: an animal model. Giger U, et al. **Blood** 1987 Jun; 69(6):1622–30

Phorbol esters and mitogenesis: comparison of the proliferative response of parental and Na+K+Cl--cotransport-defective BALB/c 3T3 cells to 12-0-tetradecanoylphorbol-13-acetate. O'Brien TG, et al. **J Cell Physiol** 1987 Mar;130(3):377–81

Leukocytes from four patients with complete or partial Leu-CAM deficiency contain the common beta-subunit precursor and beta-subunit messenger RNA. Dana N, et al. **J Clin Invest** 1987 Mar;79(3):1010–5

Paroxysmal nocturnal hemoglobinuria type III. Lack of an erythrocyte membrane protein restricting the lysis by C5b-9. Hänsch GM, et al. **J Clin Invest** 1987 Jul;80(1):7–12

Relationship between decay accelerating factor deficiency, diminished acetylcholinesterase activity, and defective terminal complement pathway restriction in paroxysmal nocturnal hemoglobinuria erythrocytes. Medof ME, et al. **J Clin Invest** 1987 Jul;80(1):165–74

[Adhesiveness and membrane glycoproteins of human polynuclear neutrophils] Pham HT, et al. **Nouv Rev Fr Hematol** 1987;29(1):23–8 (Eng. Abstr.) **(Fre)**

[Deficiency of surface membrane proteins of neutrophils (Mol: 110K and 98K) and mononuclear cells (95K) with defective adherence—analysis of neutrophilia and pathological findings in lymphatic tissues] Nunoi H, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1350–60 (Eng. Abstr.) **(Jpn)**

GENETICS

Mutant mouse cells with nitrobenzylthioinosine-insensitive nucleoside transport functions. Aronow B, et al. **Adv Exp Med Biol** 1986;195 Pt B:79–83

Chromosomal localization of a human band 3-like gene to region 7q35——7q36. Palumbo AP, et al. **Am J Hum Genet** 1986 Sep;39(3):307–16

Primary sequence homology between the effector molecules that mediate complement and T-lymphocyte cytotoxicity. Lowrey DM, et al. **Ann Inst Pasteur Immunol** 1987 Mar-Apr;138(2):296–300

Analysis of mutations affecting sodium channels in Drosophila. Ganetzky B, et al. **Ann NY Acad Sci** 1986; 479:325–37

Genetic variants of voltage-sensitive sodium channels. Hall LM. **Ann NY Acad Sci** 1986;479:313–24

Molecular structure of sodium channels. Numa S, et al. **Ann NY Acad Sci** 1986;479:338–55

Loss of brown adipose tissue uncoupling protein mRNA on deacclimation of cold-exposed rats. Reichling S, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):696–701

Immunochemical study of role of chargerin II, a product of URFA6L of mitochondrial DNA in energy transduction of rat liver mitochondria. Uchida J, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):953–8

The egasyn gene affects the processing of oligosaccharides of lysosomal beta-glucuronidase in liver. Swank RT, et al. **Biochem J** 1986 Dec 1;240(2):445–54

Chromosomal location of human P-glycoprotein gene sequences. Bell DR, et al. **Cancer Genet Cytogenet** 1987 Mar;25(1):141–8

Membrane transport alterations as a mechanism of resistance to anticancer agents. Fry DW, et al. **Cancer Surv** 1986; 5(1):47–79 (170 ref.)

Primary structure and transcriptional regulation of GAP-43, a protein associated with nerve growth. Basi GS, et al. **Cell** 1987 Jun 19;49(6):785–91

Expression and structure of the human NGF receptor. Johnson D, et al. **Cell** 1986 Nov 21;47(4):545–54

The membrane-spanning segment of invariant chain (I gamma) contains a potentially cleavable signal sequence. Lipp J, et al. **Cell** 1986 Sep 26;46(7):1103–12

A C-terminal signal prevents secretion of luminal ER proteins. Munro S, et al. **Cell** 1987 Mar 13;48(5):899–907

Characterization and cloning of fasciclin III: a glycoprotein expressed on a subset of neurons and axon pathways in Drosophila. Patel NH, et al. **Cell** 1987 Mar 27;48(6):975–88

A single gene encodes soluble and membrane-bound forms of the major histocompatibility Qa-2 antigen: anchoring of the product by a phospholipid tail. Stroynowski I, et al. **Cell** 1987 Aug 28;50(5):759–68

Human ribophorins I and II: the primary structure and membrane topology of two highly conserved rough endoplasmic reticulum-specific glycoproteins. Crimaudo C, et al. **EMBO J** 1987 Jan;6(1):75–82

Sequence of the bovine mitochondrial phosphate carrier protein: structural relationship to ADP/ATP translocase and the brown fat mitochondria uncoupling protein. Runswick MJ, et al. **EMBO J** 1987 May;6(5):1367–73

Altered translation initiation factor 2 in the cold-sensitive ssyG mutant affects protein export in Escherichia coli. Shiba K, et al. **EMBO J** 1986 Nov;5(11):3001–6

Patch clamp characterization of sodium channels expressed from rat brain cDNA. Stühmer W, et al. **Eur Biophys J** 1987;14(3):131–8

A vector for the construction of translational fusions to TEM beta-lactamase and the analysis of protein export signals and membrane protein topology. Broome-Smith JK, et al. **Gene** 1986;49(3):341–9

The nucleotide sequence encoding the hamster 78-kDa glucose-regulated protein (GRP78) and its conservation between hamster and rat. Ting J, et al. **Gene** 1987; 55(1):147–52

Characterization of the human homolog of the rat MRC OX-2 membrane glycoprotein. McCaughan GW, et al. **Immunogenetics** 1987;25(5):329–35

Cloning of the gene for the surface array protein of Aeromonas salmonicida and evidence linking loss of expression with genetic deletion. Belland RJ, et al. **J Bacteriol** 1987 Sep;169(9):4086–91

Chemotaxis in Escherichia coli: construction and properties of lambda tsr transducing phage. Callahan AM, et al. **J Bacteriol** 1987 Mar;169(3):1246–53

Gene expression in Zymomonas mobilis: promoter structure and identification of membrane anchor sequences forming functional lacZ' fusion proteins. Conway T, et al. **J Bacteriol** 1987 Jun;169(6):2327–35

Physical mapping of the K+ transport trkA gene of Escherichia coli and overproduction of the TrkA protein. Hamann A, et al. **J Bacteriol** 1987 Jul;169(7):3138–45

Roles of cheY and cheZ gene products in controlling flagellar rotation in bacterial chemotaxis of Escherichia coli. Kuo SC, et al. **J Bacteriol** 1987 Mar;169(3):1307–14

Molecular genetics of the VDAC ion channel: structural model and sequence analysis. Forte M, et al. **J Bioenerg Biomembr** 1987 Aug;19(4):341–50 (31 ref.)

Genetic demonstration of bidirectionality in the high affinity purine base transporter of mutant mouse S49 cells. Beck JT, et al. **J Biol Chem** 1987 Feb 15;262(5):2393–7

The primary structure of a procaryotic glycoprotein. Cloning and sequencing of the cell surface glycoprotein gene of halobacteria. Lechner J, et al. **J Biol Chem** 1987 Jul 15; 262(20):9724–9

ERp99, an abundant, conserved glycoprotein of the endoplasmic reticulum, is homologous to the 90-kDa heat shock protein (hsp90) and the 94-kDa glucose regulated protein (GRP94). Mazzarella RA, et al. **J Biol Chem** 1987 Jun 25;262(18):8875–83

Expression of uncoupling protein mRNA in thermogenic or weakly thermogenic brown adipose tissue. Evidence for a rapid beta-adrenoreceptor-mediated and transcriptionally regulated step during activation of thermogenesis. Ricquier D, et al. **J Biol Chem** 1986 Oct 25;261(30):13905–10

Primary structure of the human 4F2 antigen heavy chain predicts a transmembrane protein with a cytoplasmic NH2 terminus. Teixeira S, et al. **J Biol Chem** 1987 Jul 15; 262(20):9574–80

Changes in the expression of alpha-fodrin during embryonic development of Xenopus laevis. Giebelhaus DH, et al. **J Cell Biol** 1987 Aug;105(2):843–53

Isolation and characterization of cDNA clones for rat ribophorin I: complete coding sequence and in vitro synthesis and insertion of the encoded product into endoplasmic reticulum membranes. Harnik-Ort V, et al. **J Cell Biol** 1987 Apr;104(4):855–63

Calcium ionophore A23187 as a regulator of gene expression in mammalian cells. Resendez E Jr, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2145–52

Effects of mutations in three domains of the vesicular stomatitis viral glycoprotein on its lateral diffusion in the plasma membrane. Scullion BF, et al. **J Cell Biol** 1987 Jul; 105(1):69–75

The gene encoding decay-accelerating factor (DAF) is located in the complement-regulatory locus on the long arm of chromosome 1. Lublin DM, et al. **J Exp Med** 1987 Jun 1;165(6):1731–6

Decay-accelerating factor. Genetic polymorphism and linkage to the RCA (regulator of complement activation) gene cluster in humans. Rey-Campos J, et al. **J Exp Med** 1987 Jul 1;166(1):246–52

A polymorphism of the complement regulatory protein MCP (membrane cofactor protein or gp45-70). Ballard L, et al. **J Immunol** 1987 Jun 1;138(11):3850–5

Qualitative and quantitative variability in different classes of proteins: comparison of mouse and rat. Zimny-Arndt U, et al. **J Mol Evol** 1987;24(3):260–71

Similarities among the pre-S regions of hepatitis B viruses: analogy with retroviral transmembrane proteins. Elfassi E, et al. **J Theor Biol** 1986 Aug 7;121(3):371–4

Selective synthesis and secretion of particles composed of the hepatitis B virus middle surface protein directed by

a recombinant vaccinia virus: induction of antibodies to pre-S and S epitopes. Cheng KC, et al. **J Virol** 1987 Apr; 61(4):1226–90

A mutated membrane protein of vesicular stomatitis virus has an abnormal distribution within the infected cell and causes defective budding. Ono K, et al. **J Virol** 1987 May; 61(5):1332–41

Nucleotide sequence of putP, the proline carrier gene of Escherichia coli K12. Nakao T, et al. **MGG** 1987 Jun; 208(1–2):70–5

Genetic and molecular mapping of the pma1 mutation conferring vanadate resistance to the plasma membrane ATPase from Saccharomyces cerevisiae. Ulaszewski S, et al. **MGG** 1987 Apr;207(1):38–46

Hepatitis B surface antigen: an unusual secreted protein initially synthesized as a transmembrane polypeptide. Eble BE, et al. **Mol Cell Biol** 1986 May;6(5):1454–63

Sequence of the notch locus of Drosophila melanogaster: relationship of the encoded protein to mammalian clotting and growth factors. Kidd S, et al. **Mol Cell Biol** 1986 Sep; 6(9):3094–108

Identification and characterization of cDNA clones encoding two homologous proteins that are part of the asialoglycoprotein receptor. McPhaul M, et al. **Mol Cell Biol** 1987 May;7(5):1841–7

Expression of the high-affinity purine nucleobase transporter in mutant mouse S49 cells does not require a functional wild-type nucleoside-nucleobase transporter. Ullman B, et al. **Mol Cell Biol** 1987 Jan;7(1):97–103

Cloning of decay-accelerating factor suggests novel use of splicing to generate two proteins. Caras IW, et al. **Nature** 1987 Feb 5–11;325(6104):545–9

The strychnine-binding subunit of the glycine receptor shows homology with nicotinic acetylcholine receptors. Grenningloh G, et al. **Nature** 1987 Jul 16–22; 328(6127):215–20

Telomeric site position heterogeneity in macronuclear DNA of Paramecium primaurelia. Baroin A, et al. **Nucleic Acids Res** 198? Feb 25;15(4):1717–28

cDNA cloning and sequence of MAL, a hydrophobic protein associated with human T-cell differentiation. Alonso MA, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1997–2001

Rat gene encoding the 78-kDa glucose-regulated protein GRP78: its regulatory sequences and the effect of protein glycosylation on its expression. Chang SC, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):680–4

Molecular cloning of protein 4.1, a major structural element of the human erythrocyte membrane skeleton. Conboy J, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9512–6

Individual exons encode the integral membrane domains of human myelin proteolipid protein. Diehl HJ, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9807–11

cDNA clones of the neural cell adhesion molecule (N-CAM) lacking a membrane-spanning region consistent with evidence for membrane attachment via a phosphatidylinositol intermediate [published erratum appears in Proc Natl Acad Sci USA 1987 May;84(9):3069] Hemperly JJ, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(24):9822–6

Cloning and characterization of cDNAs encoding the complete sequence of decay-accelerating factor of human complement. Medof ME, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):2007–11

Early genes that were oligomeric repeats generated a number of divergent domains on their own. Ohno S. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6486–90

Molecular cloning of complementary DNAs encoding the heavy chain of the human 4F2 cell-surface antigen: a type II membrane glycoprotein involved in normal and neoplastic cell growth. Quackenbush E, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6526–30

Cloned murine T200 (Ly-5) cDNA reveals multiple transcripts within B- and T-lymphocyte lineages. Raschke WC. **Proc Natl Acad Sci USA** 1987 Jan;84(1):161–5

The very late antigen family of heterodimers is part of a superfamily of molecules involved in adhesion and embryogenesis. Takada Y, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3239–43

Diurnal expression of transducin mRNA and translocation of transducin in rods of rat retina. Brann MR, et al. **Science** 1987 Jan 30;235(4788):585–7

Expression of functional cell-cell channels from cloned rat liver gap junction complementary DNA. Dahl G, et al. **Science** 1987 Jun 5;236(4806):1290–3

Cloning of complementary DNA for GAP-43, a neuronal growth-related protein. Karns LR, et al. **Science** 1987 May 1;236(4801):597–600

Cloning of genomic and complementary DNA from Shaker, a putative potassium channel gene from Drosophila. Papazian DM, et al. **Science** 1987 Aug 14;237(4816):749–53

Genomic organization and deduced amino acid sequence of a putative sodium channel gene in Drosophila. Salkoff L, et al. **Science** 1987 Aug 14;237(4816):744–9

Sequence of a probable potassium channel component encoded at Shaker locus of Drosophila. Tempel BL, et al. **Science** 1987 Aug 14;237(4816):770–5

The nucleotide sequence of the gene encoding the Newcastle disease virus membrane protein and comparisons of membrane protein sequences. McGinnes LW, et al. **Virology** 1987 Feb;156(2):221–8

The nucleotide sequence of the mRNA encoding the fusion protein of measles virus (Edmonston strain): a comparison of fusion proteins from several different paramyxoviruses. Richardson C, et al. **Virology** 1986 Dec;155(2):508–23

[Nonstructural glycosylated polyproteins coded for by the gag gene of retrovirus type D expressed on the plasma membrane] Morozov VA, et al. **Vopr Virusol** 1986 Jul–Aug; 31(4):480–5 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Cytodiagnosis of a spindle-cell tumor of the breast using antisera to epithelial membrane antigen. Gal R, et al. **Acta Cytol (Baltimore)** 1987 May–Jun;31(3):317–21

The prognostic significance of the monoclonal antibody III D 5 to human milk fat globule antigen in breast cancer. Helle M. **Acta Pathol Microbiol Immunol Scand [A]** 1986 Nov;94(6):375–80

Production of monospecific antibodies to a low-abundance hepatic membrane protein using nitrocellulose immobilized protein as antigen. Chiles TC, et al. **Anal Biochem** 1987 May 15;163(1):136–42

Use of antibodies to probe membrane glycoproteins associated with drug-resistant J774.2 cells. Zeheb R, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):732–9

Production of antibodies against rhodopsin after immunization with beta gamma-subunits of transducin: evidence for interaction of beta gamma-subunits of guanosine 5'-triphosphate binding proteins with receptor. Halpern JL, et al. **Biochemistry** 1987 Mar 24;26(6):1655–8

Effect of Trypanosoma cruzi membrane components on the formation of the classical pathway C3 convertase. Kipnis TL, et al. **Braz J Med Biol Res** 1986;19(2):271–8

Experimental immunotherapy of human breast carcinomas implanted in nude mice with a mixture of monoclonal antibodies against human milk fat globule components. Ceriani RL, et al. **Cancer Res** 1987 Jan 15;47(2):532–40

A constitutive transmembrane glycoprotein of Mr 165,000 (desmoglein) in epidermal and non-epidermal desmosomes. I. Biochemical identification of the polypeptide. Schmelz M, et al. **Eur J Cell Biol** 1986 Dec;42(2):177–83

Activation-specific interactions among B-lymphocyte plasma membrane proteins. Goodman MG, et al. **Immunol Res** 1986;5(1):71–8

Immunological relationship between the hydrophobic fraction of proteose-peptone and the milk fat globule membrane of bovine milk. Nejjar Y, et al. **Int J Biochem** 1986;18(10):893–900

Topographic analysis of antigenic determinants recognized by monoclonal antibodies to the photoreceptor guanyl nucleotide-binding protein, transducin. Deretic D, et al. **J Biol Chem** 1987 Aug 5;262(22):10839–47

Topography of N-CAM structural and functional determinants. II. Placement of monoclonal antibody epitopes. Frelinger AL 3d, et al. **J Cell Biol** 1986 Nov; 103(5):1729–37

Embryonic neural retinal cell response to extracellular matrix proteins: developmental changes and effects of the cell substratum attachment antibody (CSAT). Hall DE, et al. **J Cell Biol** 1987 Mar;104(3):623–34

Topography of N-CAM structural and functional determinants. I. Classification of monoclonal antibody epitopes. Watanabe M, et al. **J Cell Biol** 1986 Nov; 103(5):1721–7

Antibodies to basement membrane protein nidogen in Chagas' disease and American cutaneous leishmaniasis. Avila JL, et al. **J Clin Microbiol** 1986 Nov;24(5):775–8

On the role of the transmembrane anchor sequence of influenza hemagglutinin in target cell recognition by class I MHC-restricted, hemagglutinin-specific cytolytic T lymphocytes. Braciale TJ, et al. **J Exp Med** 1987 Sep 1; 166(3):678–92

Human autoantibodies against a desmosomal protein complex with a calcium-sensitive epitope are characteristic of pemphigus foliaceus patients. Eyre RW, et al. **J Exp Med** 1987 Jun 1;165(6):1719–24

The pore-forming protein (perforin) of cytolytic T lymphocytes is immunologically related to the components of membrane attack complex of complement through cysteine-rich domains. Young JD, et al. **J Exp Med** 1986 Dec 1;164(6):2077–82

Deficiency of the homologous restriction factor in paroxysmal nocturnal hemoglobinuria. Zalman LS, et al. **J Exp Med** 1987 Feb 1;165(2):572–7

Decay-accelerating factor (DAF) shares a common carbohydrate determinant with the variant surface glycoprotein (VSG) of the African Trypanosoma brucei. Davitz MA, et al. **J Immunol** 1987 Jan 15;138(2):520–3

Structural and antigenic characterization of a species- and promastigote-specific Leishmania mexicana amazonensis membrane protein. Kahl LP, et al. **J Immunol** 1987 Mar 1;138(5):1587–95

Monoclonal antibodies that recognize lacto-N-fucopentaose III (CD15) react with the adhesion-promoting glycoprotein family (LFA-1/HMac-1/gp 150,95) and CR1 on human neutrophils. Skubitz KM, et al. **J Immunol** 1987 Sep 1;139(5):1631–9

Fine mapping of an immunodominant domain in the transmembrane glycoprotein of human immunodeficiency virus. Gnann JW Jr, et al. **J Virol** 1987 Aug;61(8):2639–41

A review on antigens of milkfat globule membranes and their value for diagnosis and prognosis of breast cancer and other carcinomas. Hilgers JH, et al. **Keio J Med** 1986 Oct; 35(4):235–44 (44 ref.)

Monoclonal antibody HMFG-2 retains activity in vivo and binds to high molecular weight components expressed by metastatic breast cancers. Griffiths AB, et al. **Mol Biol Med** 1986 Oct;3(5):425–35

MRC OX-45 antigen: a leucocyte/endothelium rat membrane glycoprotein of 45,000 molecular weight. Arvieux J, et al. **Mol Immunol** 1986 Sep;23(9):983–90

Cytotoxic T lymphocytes recognize a fragment of influenza virus matrix protein in association with HLA-A2. Gotch F, et al. **Nature** 1987 Apr 30–May 6;326(6116):881–2

Monoclonal antibodies to chromaffin cells can distinguish proteins specific to or specifically excluded from chromaffin granules. Pruss RM. **Neuroscience** 1987 Jul; 22(1):141–7

Analysis of protective epitopes on the variant surface glycoprotein of a Trypanosoma brucei brucei (DiTat 1.3.) using monoclonal antibodies. Pinder M, et al. **Parasite Immunol** 1987 May;9(3):395–400

The immunodominant epitope of the major membrane tachyzoite protein (P30) of Toxoplasma gondii. Santoro F, et al. **Parasite Immunol** 1986 Nov;8(6):631–9

Presence of antibodies against a cell-surface protein, cross-reactive with DNA, in systemic lupus erythematosus: a marker of the disease. Jacob L, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2956–9

Altered cell-surface protein(s), crossreactive with DNA, on spleen cells of autoimmune lupic mice. Jacob L, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1361–3

Site-directed serology with synthetic peptides representing the large glycoprotein G of respiratory syncytial virus. Norrby E, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(18):6572–6

A monoclonal antibody against a family of nuclear pore proteins (nucleoporins): O-linked N-acetylglucosamine is part of the immunodeterminant. Park MK, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6462–6

Identification of immunoreactive membrane antigens of Brucella ovis by ELISA profiling. Chin JC, et al. **Res Vet Sci** 1986 Jul;41(1):1–6

Are lytic granules and perforin 1 involved in lysis induced by in vivo-primed peritoneal exudate cytolytic T lymphocytes? Berke G, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 1):412–6

[New pathogenic concept of lupus erythematosus disseminatus: clinical and therapeutic implications] Jacob L. **C R Soc Biol (Paris)** 1987;181(1):11–4 **(Fre)**

[Common features of the antigenic determinants presented on the membranes of mammalian nervous system cells and cytoplasmic tetrodotoxin-sensitive proteins] Malysheva MK, et al. **Neirofiziologiia** 1987;19(3):369–72 (Eng. Abstr.) **(Rus)**

[Specific membrane glycoproteins of the surface of nerve tissue cells] Berezin VA. **Nerv Sist** 1986;25:162–9 (22 ref.) **(Rus)**

ISOLATION & PURIFICATION

A membrane protein with a K+ and a Cl- channel. Cherksey BD, et al. **Acta Physiol Scand** 1987 Jan;129(1):137–8

Characterization of a sperm membrane glycoprotein. Hamilton DW, et al. **Adv Exp Med Biol** 1986;205:121–9

Carbohydrates of the surface of the normal human spermatozoon. Mazzini MN, et al. **Am J Reprod Immunol Microbiol** 1986 Aug;11(4):107–11

Rapid and effective transfer of integral membrane proteins from isoelectric focusing gels to nitrocellulose membranes. Matthaei S, et al. **Anal Biochem** 1986 Aug 15;157(1):123–8

Isolation and functional reconstitution of the aspartate/glutamate carrier from mitochondria. Krämer R, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):166–74

Identification of a fodrin-like protein in rat liver basolateral membranes. Amrein-Gloor M, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1033–7

The cardiac gap junction protein (Mr 47,000) has a tissue-specific cytoplasmic domain of Mr 17,000 at its carboxy-terminus. Manjunath CK, et al. **Biochem Biophys Res Commun** 1987 Jan 15;142(1):228–34

Characterization of meprin, a membrane-bound metalloendopeptidase from mouse kidney. Butler PE, et al. **Biochem J** 1987 Jan 1;241(1):229–35

Purification and characterization of a major glycoprotein in rat hepatoma plasma membranes. One of the membrane proteins released by phosphatidylinositol-specific phospholipase C. Ikehara Y, et al. **Biochem J** 1987 Jan 1; 241(1):63–70

The receptor for immunoglobulin E as a membrane protein. Metzger H, et al. **Biochem Soc Symp** 1986;51:59–67

Characterization of a membrane-associated 3,3',5-triiodo-L-thyronine binding protein by use of monoclonal antibodies. Hasumura S, et al. **Biochemistry** 1986 Dec 2;25(24):7881–8

Purification and characterization of a molecular weight 100,000 coat protein from coated vesicles obtained from bovine brain. Prasad K, et al. **Biochemistry** 1986 Nov 4; 25(22):6942–7

The majority of cellular fatty acid acylated proteins are localized to the cytoplasmic surface of the plasma membrane. Wilcox CA, et al. **Biochemistry** 1987 Feb 24; 26(4):1029–36

A spectrin-like protein in retinal rod outer segments. Wong S, et al. **Biochemistry** 1986 Oct 7;25(20):6294–300

Membrane-bound 5'-nucleotidase inhibitor in Ehrlich ascites tumour cells and newborn mouse liver. Amruthesh SC, et al. **Biochim Biophys Acta** 1986 Oct 29;884(1):48–53

Purification of desmoglein II: a method for the preparation and fractionation of desmosomal components. Blaschuk OW, et al. **Biochim Biophys Acta** 1986 Oct 1;883(3):426–31

Purification and characterization of enkephalinase B from rat brain membrane. Inaoka Y, et al. **Biochim Biophys Acta** 1987 Jul 16;925(1):27–35

Platelets express a membrane protein complex immunologically related to the fibroblast fibronectin receptor and distinct from GPIIb/IIIa. Giancotti FG, et al. **Blood** 1987 May;69(5):1535–8

Epiglycanin as a membrane glycoprotein. Isolation of plasma membrane from the TA3–Ha tumor cell. Schmit A, et al. **Carbohydr Res** 1986 Aug 15;151:173–84

Comparison of nephritogenic glycopeptide, nephritogenoside, isolated from rat glomerular basement membranes with other basement membrane components. Natori Y, et al. **Connect Tissue Res** 1986;15(4):245–55

Epithelial membrane antigen in the cytodiagnosis of effusions and aspirates: immunocytochemical and ultrastructural localization in benign and malignant cells. Walts AE, et al. **Diagn Cytopathol** 1987 Mar;3(1):41–9

Overproduction, isolation and determination of the amino-terminal sequence of the SecY protein, a membrane protein involved in protein export in Escherichia coli. Akiyama Y, et al. **Eur J Biochem** 1986 Sep 1;159(2):263–6

Purification and tissue distribution of a small protein (BM–40) extracted from a basement membrane tumor. Dziadek M, et al. **Eur J Biochem** 1986 Dec 1;161(2):455–64

Further characterization of an early expressed glycoprotein of the rabbit small intestinal brush border. Its interaction with some hydrolases. Gorvel JP, et al. **Eur J Biochem** 1986 Sep 15;159(3):499–505

Biochemical characterization of the soluble form of the junctional plaque protein, plakoglobin, from different cell types. Kapprell HP, et al. **Eur J Biochem** 1987 Aug 3; 166(3):505–17

Laminin–nidogen complex. Extraction with chelating agents and structural characterization. Paulsson M, et al. **Eur J Biochem** 1987 Jul 1;166(1):11–9

Adhesion–promoting factor from embryonic fibroblasts for normal liver epithelial cells. Yamada M, et al. **Eur J Cell Biol** 1987 Apr;43(2):230–4

Actin–associated proteins related to focal and close cell–substrate contacts in murine fibroblasts. Izzard SL, et al. **Exp Cell Res** 1987 May;170(1):214–27

Isolation and characterization of plasma membrane proteins of cultured human retinal pigment epithelium. Ishizaki H, et al. **Exp Eye Res** 1987 Jan;44(1):1–16

Purification of Ca2+–activated K+ channel protein on calmodulin affinity columns after detergent solubilization of luminal membranes from outer renal medulla. Klaerke DA, et al. **FEBS Lett** 1987 Jun 1;216(2):211–6

An enzyme catalyzing the liberation of N–acetylglucosamine from N–acetylglucosaminyl pyrophosphorylpolyprenol in Bacillus polymyxa membranes. Murazumi N, et al. **FEBS Lett** 1987 Jun 22;218(1):131–4

Differences between individuals in high–Mr glycoproteins from human mammary epithelia. Patton S, et al. **FEBS Lett** 1987 May 25;216(1):151–4

Inhibition of malaria parasite invasion of human erythrocytes by a lymphocyte membrane polypeptide. Benzaquen–Geffin R, et al. **Infect Immun** 1987 Feb; 55(2):342–51

Membrane glycoproteins of human polymorphonuclear leukocytes that act as receptors for mannose–specific Escherichia coli. Rodriguez–Ortega M, et al. **Infect Immun** 1987 Apr;55(4):968–73

Purification and characterization of the CheZ protein of bacterial chemotaxis. Stock AM, et al. **J Bacteriol** 1987 Jul;169(7):3301–11

Purification of membrane polypeptides of rat liver peroxisomes. Hashimoto T, et al. **J Biochem (Tokyo)** 1986 Aug;100(2):301–10

Purification and properties of epithelial growth inhibitor (EGI) from human platelets: its separation from type beta transforming growth factor (TGF–beta). Huang W, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):687–96

Purification and characterization of an outer membrane–bound protein involved in long–chain fatty acid transport in Escherichia coli. Black PN, et al. **J Biol Chem** 1987 Jan 25;262(3):1412–9

Purification and characterization of the dihydropyridine–sensitive voltage–dependent calcium channel from cardiac tissue [published erratum appears in J Biol Chem 1987 Mar 15;262(8):3927] Cooper CL, et al. **J Biol Chem** 1987 Jan 15;262(2):509–12

Properties of talin from chicken gizzard smooth muscle. Molony L, et al. **J Biol Chem** 1987 Jun 5;262(16):7790–5

Calcium–dependent isolation of the 36–kilodalton substrate of pp60src–kinase. Fractionation of the phosphorylated and unphosphorylated species. Sorić J, et al. **J Biol Chem** 1986 Nov 5;261(31):14490–5

Membrane glycoproteins of the nerve growth cone: diversity and growth regulation of oligosaccharides. Greenberger LM, et al. **J Cell Biol** 1986 Oct;103(4):1369–82

Nuclear pore complex glycoproteins contain cytoplasmically disposed O–linked N–acetylglucosamine. Holt GD, et al. **J Cell Biol** 1987 May;104(5):1157–64

Identification and purification of a sperm surface protein with a potential role in sperm–egg membrane fusion. Primakoff P, et al. **J Cell Biol** 1987 Jan;104(1):141–9

pH–dependent function, purification, and intracellular location of a major collagen–binding glycoprotein. Saga S, et al. **J Cell Biol** 1987 Jul;105(1):517–27

300–kD subsynaptic protein copurifies with acetylcholine receptor–rich membranes and is concentrated at neuromuscular synapses. Woodruff ML, et al. **J Cell Biol** 1987 Apr;104(4):939–46

High–performance liquid chromatography of membrane proteins. Kato Y, et al. **J Chromatogr** 1987 Apr 3; 391(2):395–407

Column liquid chromatography of integral membrane proteins. Welling GW, et al. **J Chromatogr** 1987 Jul 17; 418:223–43 (119 ref.)

A new human trophoblast antigen isolated from immune complexes derived from placental blood and membranes. Crainie M, et al. **J Clin Lab Immunol** 1987 Jun;23(2):63–9

Immunohistochemical localization of a thyroid hormone–binding protein (p55) in human tissues. Willingham MC, et al. **J Histochem Cytochem** 1987 Oct; 35(10):1043–6

Purification and alpha subunit N–terminal sequences of human Mac–1 and p150,95 leukocyte adhesion proteins. Miller LJ, et al. **J Immunol** 1987 Apr 15;138(8):2381–3

Isolation of decay accelerating factor (DAF) by a two–step procedure and determination of its N–terminal sequence. Davitz MA, et al. **J Immunol Methods** 1987 Feb 26; 97(1):71–6

The cystine–rich envelope protein from human epidermal stratum corneum cells. Tezuka T, et al. **J Invest Dermatol** 1987 Jan;88(1):47–51

Isolation and characterization of specialized regions of toad urinary bladder apical plasma membrane involved in the water permeability response to antidiuretic hormone. Harris HW Jr, et al. **J Membr Biol** 1987;96(2):175–86

Isolation and identification of partial cDNA clones for endoplasmin, the major glycoprotein of mammalian endoplasmic reticulum. Smith MJ, et al. **J Mol Biol** 1987 Mar 20;194(2):345–7

Purification and properties of rubrophilin: a novel brain specific membrane polypeptide. Rosenthal HL, et al. **J Neurochem** 1987 Mar;48(3):832–9

Purification of brain analogs of red blood cell membrane skeletal proteins: ankyrin, protein 4.1 (synapsin), spectrin, and spectrin subunits. Bennett V, et al. **Methods Enzymol** 1986;134:55–69

Purification of the intestinal microvillus cytoskeletal proteins villin, fimbrin, and ezrin. Bretscher A. **Methods Enzymol** 1986;134:24–37

Purification of fodrin from mammalian brain. Cheney R, et al. **Methods Enzymol** 1986;134:42–54

Isolation of metavinculin from chicken smooth muscle. Siliciano JD, et al. **Methods Enzymol** 1986;134:78–85

Basement membranes. Timpl R, et al. **Methods Enzymol** 1987; 145:363–91

Purification of a presynaptic membrane protein that mediates a calcium–dependent translocation of acetylcholine. Israël M, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9226–30

Identification and purification of a bacterial ice–nucleation protein. Wolber PK, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7256–60

[Stimulation of mitoplast respiration by mitochondrial porin] Pronevich LA, et al. **Ukr Biokhim Zh** 1987 Jul–Aug; 59(4):82–4 (Eng. Abstr.) **(Rus)**

[Isolation of membrane antigens of mammary gland epithelial cells from membranes of human milk fat globules] Iakubovskaia RI, et al. **Vopr Med Khim** 1986 Sep–Oct; 32(5):36–41 (Eng. Abstr.) **(Rus)**

METABOLISM

Alterations in scleroderma fibroblast surface glycoproteins associated with increased collagen synthesis. Kähäri VM, et al. **Acta Derm Venereol (Stockh)** 1987;67(3):199–205

Functional adaptations of transbilayer proteins. Marchesi VT. **Adv Exp Med Biol** 1986;205:107–20

Optimal response of key enzymes and uncoupling protein to cold in BAT depends on local T3 generation. Bianco AC, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):E255–63

Characterization of mitochondrial–uncoupling protein in bovine fetus and newborn calf. Casteilla L, et al. **Am J Physiol** 1987 May;252(5 Pt 1):E627–36

Effect of warm or cold exposure on GDP binding and uncoupling protein in rat brown fat. Trayhurn P, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):E237–43

Spatial relations of the neurotoxin binding sites on the sodium channel. Angelides K, et al. **Ann NY Acad Sci** 1986; 479:221–37

Biochemistry of sodium channels from mammalian muscle. Barchi RL. **Ann NY Acad Sci** 1986;479:179–85

Mechanism of receptor kinase action on membrane protein recycling. Corvera S, et al. **Ann NY Acad Sci** 1986; 488:419–29

Basement membrane proteins produced by Schwann cells and in neurofibromatosis. Dziadek M, et al. **Ann NY Acad Sci** 1986;486:248–59

Functional reconstitution of purified sodium channels from brain in planar lipid bilayers. Hartshorne RP, et al. **Ann NY Acad Sci** 1986;479:293–305

Transformation of water–soluble enzymes into membrane active form by chemical modification. Kabanov AV, et al. **Ann NY Acad Sci** 1987;501:63–6

Block of sodium channels in planar lipid bilayers by guanidium toxins and calcium. Are the mechanisms of voltage dependence the same? Krueger BK, et al. **Ann NY Acad Sci** 1986;479:257–68

The sodium channel from Electrophorus electricus. Levinson SR, et al. **Ann NY Acad Sci** 1986;479:162–78

High–STX–affinity vs. low–STX–affinity Na+ channel subtypes in nerve, heart, and skeletal muscle. Rogart RB. **Ann NY Acad Sci** 1986;479:402–30

Effects of ethanol on proteins of mitochondrial membranes. Thayer WS. **Ann NY Acad Sci** 1987;492:193–206

Peptides with affinity for membranes. Kaiser ET, et al. **Annu Rev Biophys Biophys Chem** 1987;16:561–81 (123 ref.)

Lipid modulation of transport proteins in vertebrate cell membranes. Deuticke B, et al. **Annu Rev Physiol** 1987; 49:221–35 (110 ref.)

Modulation of membrane proteins by vertical phase separation and membrane lipid fluidity. Basis for a new approach to tumor immunotherapy. Muller CP, et al. **Anticancer Res** 1986 Sep–Oct;6(5):1181–93 (146 ref.)

Immunological studies of the binding protein for chloroplast ferredoxin–NADP+ reductase. Chan RL, et al. **Arch Biochem Biophys** 1987 Feb 15;253(1):56–61

Xanthine oxidase–catalyzed crosslinking of cell membrane proteins. Girotti AW, et al. **Arch Biochem Biophys** 1986 Dec;251(2):639–53

The cyclic nucleotide–dependent phosphorylation of aortic smooth muscle membrane proteins. Parks TP, et al. **Arch Biochem Biophys** 1987 Jun;255(2):361–71

Two–dimensional polyacrylamide gel electrophoresis analysis of phosphorylated, membrane–localized ras p21 proteins. Polonis VR, et al. **Arch Biochem Biophys** 1987 May 1;254(2):541–6

Cytochrome b is necessary for the effective processing of core protein I and the iron–sulfur protein of complex III in the mitochondria. Sen K, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):239–49

Analysis of band 3 cytoplasmic domain phosphorylation and association with ankyrin. Soong CJ, et al. **Arch Biochem Biophys** 1987 May 1;254(2):509–17

Intracellular localization and transport of three different bovine herpesvirus type 1 glycoproteins involved in neutralization. Okazaki K, et al. **Arch Virol** 1987; 92(1–2):17–26

Protein and lipid disturbances in rat liver microsomal membranes after bile duct ligation. Bengochea L, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):980–5

Volume expansion–induced changes in renal tubular membrane protein phosphorylation. Chen TC, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):74–80

Epidermal growth factor stimulates serine and tyrosine phosphorylation in a 59–kD protein in purified plasma membranes from rat liver. David–Pfeuty T, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):982–8

Multiple isoforms of ADP–ribosylated G–like proteins from mammalian thyroid membranes. Deery WJ, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):536–42

A fluorescent derivative of the oligomycin–sensitivity conferring protein (acrylodan–OSCP). Evidence for polarity changes in the environment of CYS118 of OSCP upon binding to mitochondrial F1. Dupuis A, et al. **Biochem Biophys Res Commun** 1987 Jan 15;142(1):31–7

4–Aminopyridine inhibits synaptosomal plasma membrane protein phosphorylation in vitro: effect of the selective NMDA–antagonist 2–amino–5–phosphonovalerate. Heemskerk FM, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):94–9

Calcium–dependent phosphorylation of the amphibian oocyte plasma membrane: an early event in initiating the meiotic divisions. Kostellow AB, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):863–9

Sequence homologies between p36, the substrate of pp60src tyrosine kinase and a 67 kDa protein isolated from bovine aorta. Martin F, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):961–8

Atrial natriuretic factor induced phosphorylation of human placental membrane protein: an effect mimicked by guanosine 3'5'–cyclic monophosphate. Sen I, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):431–8

The type–1 protein phosphatase activating factor FA is a membrane–associated protein kinase in brain, liver, heart and muscles. Yang SD, et al. **Biochem Biophys Res Commun** 1987 Jan 15;142(1):38–46

Selective loss of uncoupling protein from mitochondria of surgically denervated brown adipose tissue of cold–acclimated mice. Desautels M, et al. **Biochem Cell Biol** 1986 Nov;64(11):1125–34

Chemical and genetic comparison of the glucose and nucleoside transporters. Klip A, et al. **Biochem Cell Biol** 1986 Nov;64(11):1170–80

Sendai–viral HN and F glycoproteins as probes of plasma–membrane protein catabolism in HTC cells. Studies with fusogenic reconstituted Sendai–viral envelopes. Earl RT, et al. **Biochem J** 1987 Feb 1;241(3):801–7

The thylakoid membranes of higher plant chloroplasts. Gounaris K, et al. **Biochem J** 1986 Jul 15;237(2):313–26 (156 ref.)

Rat ovarian lutropin receptor is a transmembrane protein. Evidence for an Mr–20,000 cytoplasmic domain. Keinänen KP, et al. **Biochem J** 1986 Oct 1;239(1):83–7

Characterization of a high–Mr plasma–membrane–bound protein and assessment of its role as a constituent of hyaluronate synthase complex. Mian N. **Biochem J** 1986 Jul 15;237(2):343–57

[3H]dipyridamole binding to nucleoside transporters from

guinea-pig and rat lung. Shi MM, et al. **Biochem J** 1986 Dec 15;240(3):879–83

Interactions of beta-adrenergic receptors with a membrane protein other than the stimulatory guanine nucleotide-binding protein. Abramson SN, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2263–9

Labeling of sarcoplasmic reticulum peptides with 32P-phosphate and fluorescein 5'-isothiocyanate. Georgoussi Z, et al. **Biochem Pharmacol** 1986 Dec 15; 35(24):4571–3

Pharmacological and biochemical characterization of dopamine receptors mediating stimulation of a high affinity GTPase in rat striatum. Onali P, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2839–45

Modulation of protein-protein interactions in membranes. Cherry RJ. **Biochem Soc Trans** 1987 Feb;15(1):91–3

Mobility of membrane proteins and the social life of cells. Edidin M, et al. **Biochem Soc Trans** 1986 Oct;14(5):818–21

Mapping the binding sites of transducin by sequence homology, chemical modification, and by using monoclonal antibodies. Fung BK, et al. **Biochem Soc Trans** 1987 Feb; 15(1):39–42

On the lateral mobility of proteins in prokaryotic membranes. Kell DB. **Biochem Soc Trans** 1986 Oct;14(5):825–6

Lipid phase behaviour and lipid-protein interactions in the chloroplast photosynthetic membrane. Quinn PJ. **Biochem Soc Trans** 1987 Feb;15(1):86–91

Nuclear magnetic resonance studies of a model membrane protein (M13 coat protein) reconstituted in detergent micelles and phospholipid vesicles. Weiner JH, et al. **Biochem Soc Trans** 1987 Feb;15(1):81–5

Depolymerization of microtubules alters membrane potential and affects the motional freedom of membrane proteins. Aszalos A, et al. **Biochemistry** 1986 Sep 23;25(19):5804–9

Interaction between the oligomycin sensitivity conferring protein and the F0 sector of the mitochondrial adenosinetriphosphatase complex: cooperative effect of the F1 sector. Dupuis A, et al. **Biochemistry** 1987 Jan 27; 26(2):410–8

Chemical modification of bovine transducin: effect of fluorescein 5'-isothiocyanate labeling on activities of the transducin alpha subunit. Hingorani VN, et al. **Biochemistry** 1987 Mar 24;26(6):1633–9

Lipid domain structure correlated with membrane protein function in placental microvillus vesicles. Illsley NP, et al. **Biochemistry** 1987 Jan 27;26(2):446–54

Decay accelerating factor of complement is anchored to cells by a C-terminal glycolipid. Medof ME, et al. **Biochemistry** 1986 Nov 4;25(22):6740–7

Reconstitution of membrane proteins: sequential incorporation of integral membrane proteins into preformed lipid bilayers. Scotto AW, et al. **Biochemistry** 1987 Feb 10;26(3):833–9

Epidermal growth factor dependent phosphorylation of a 35-kilodalton protein in placental membranes. Sheets EE, et al. **Biochemistry** 1987 Feb 24;26(4):1164–72

Multiple equilibria binding treatment of lipid and detergent interactions with membrane proteins. Application to cytochrome c oxidase solubilized in cholate. Volwerk JJ, et al. **Biochemistry** 1987 Jan 27;26(2):466–75

Interaction of retinal transducin with guanosine triphosphate analogues: specificity of the gamma-phosphate binding region. Yamanaka G, et al. **Biochemistry** 1986 Oct 7; 25(20):6149–53

The spontaneous incorporation of proteins into preformed bilayers. Jain MK, et al. **Biochim Biophys Acta** 1987 Apr 27;906(1):33–68 (348 ref.)

Alkylacetylglycerophosphocholine stimulates Na+-Ca2+ exchange, protein phosphorylation and polyphosphoinositide turnover in rat ileal plasmalemmal vesicles. Kester M, et al. **Biochim Biophys Acta** 1986 Oct 10;888(3):306–15

Differential scanning calorimetric studies of lipid-protein interactions in model membrane systems. McElhaney RN. **Biochim Biophys Acta** 1986 Dec 22;864(3-4):361–421 (195 ref.)

Effects of phospholipases C and D on ordering of channel proteins in the mitochondrial outer membrane. Mannella CA. **Biochim Biophys Acta** 1986 Sep 25;861(1):67–73

Kinetic and topographical studies of the phosphatidylcholine: ceramide choline phosphotransferase in plasma membrane particles from mouse ascites cells. Marggraf WD, et al. **Biochim Biophys Acta** 1987 Feb 12;897(1):57–68

Membrane protein phosphorylation during stomatocyte-echinocyte transformation of human erythrocytes. Reinhart WH, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):1–7

The linkage of actin to non-erythroid membranes. Brown SS. **Bioessays** 1985 Aug;3(2):65–7

Electron density profile of two-dimensionally crystalline membranous cytochrome c oxidase at low resolution. Jayaraman U, et al. **Biophys J** 1987 Mar;51(3):475–86

Na+/Ca2+ exchange in cardiac myocytes. Effect of ouabain on voltage dependence. Lee HC, et al. **Biophys J** 1987 Feb;51(2):169–76

Peptides in membranes: lipid-induced secondary structure of substance P. Woolley GA, et al. **Biopolymers** 1987;26 Suppl:S109–21

Evidence that fasting can induce a selective loss of uncoupling protein from brown adipose tissue mitochondria of mice [published erratum appears in Biosci Rep 1986 Oct;6(10):931] Trayhurn P, et al. **Biosci Rep** 1986 Sep; 6(9):805–10

Changes in neutrophil surface protein composition accompany phagocytosis. Skubitz KM, et al. **Blood** 1987 Jul;70(1):60–8

Protein kinase C and the activation of the human neutrophil NADPH-oxidase. Tauber AI. **Blood** 1987 Mar;69(3):711–20 (135 ref.)

Effect of sodium arsenite on liposomes and erythrocyte membranes. Zolese G, et al. **Boll Soc Ital Biol Sper** 1986 Oct 30;62(10):1177–83

Decreased phosphorylation of synaptic glycoproteins following hippocampal kindling. Bank B, et al. **Brain Res** 1986 Dec 10;399(2):390–4

Protein phosphorylation in rat hippocampal synaptic plasma membranes in response to neurohypophyseal peptides. Hinko A, et al. **Brain Res** 1986 Oct 1;384(1):156–60

Effects of chronic alcohol administration on synaptic membrane Na+-Ca2+ exchange activity. Michaelis ML, et al. **Brain Res** 1987 Jun 30;414(2):239–44

The neuronal growth-associated protein GAP-43 (B-50, F1): neuronal specificity, developmental regulation and regional distribution of the human and rat mRNAs. Neve RL, et al. **Brain Res** 1987 Jul;388(2):177–83

Adriamycin resistance in HL60 cells and accompanying modification of a surface membrane protein contained in drug-se sitive cells. Marsh W, et al. **Cancer Res** 1987 Oct 1;47(19):5080–6

Different transforming growth factor-alpha species are derived from a glycosylated and palmitoylated transmembrane precursor. Bringman TS, et al. **Cell** 1987 Feb 13;48(3):429–40

Eukaryotic protein modification and membrane attachment via phosphatidylinositol. Cross GA. **Cell** 1987 Jan 30; 48(2):179–81 (26 ref.)

Expression of wild-type and mutant forms of influenza hemagglutinin: the role of folding in intracellular transport. Gething MJ, et al. **Cell** 1986 Sep 12;46(6):939–50

Oligomerization is essential for transport of vesicular stomatitis viral glycoprotein to the cell surface. Kreis TE, et al. **Cell** 1986 Sep 12;46(6):929–37

Cycling of the integral membrane glycoprotein, LEP100, between plasma membrane and lysosomes: kinetic and morphological analysis. Lippincott-Schwartz J, et al. **Cell** 1987 Jun 5;49(5):669–77

Involvement of the esterase active site of egasyn in compartmentalization of beta-glucuronidase within the endoplasmic reticulum. Medda S, et al. **Cell** 1987 Jul 17; 50(2):301–10

Mitochondrial protein import: nucleoside triphosphates are involved in conferring import-competence to precursors. Pfanner N, et al. **Cell** 1987 Jun 19;49(6):815–23

Correlation of competence for export with lack of tertiary structure of the mature species: a study in vivo of maltose-binding protein in E. coli. Randall LL, et al. **Cell** 1986 Sep 12;46(6):921–8

Formation of heterotypic adherens-type junctions between L-CAM-containing liver cells and A-CAM-containing lens cells. Volk T, et al. **Cell** 1987 Sep 11;50(6):987–94

Foreign transmembrane peptides replacing the internal signal sequence of transferrin receptor allow its translocation and membrane binding. Zerial M, et al. **Cell** 1987 Jan 16; 48(1):147–55

Structural analogy among mammalian spectrins and spectrin-like proteins revealed by molybdenum labeling. Mařík T, et al. **Comp Biochem Physiol [B]** 1987;86(3):531–5

An intrinsic membrane glycoprotein of the lens. Heslip J, et al. **Curr Eye Res** 1986 Dec;5(12):949–58

Developmental expression of a cell-surface protein involved in calcium uptake and skeleton formation in sea urchin embryos. Farach MC, et al. **Dev Biol** 1987 Aug; 122(2):320–31

The guinea pig sperm plasma membrane protein, PH-20, reaches the surface via two transport pathways and becomes localized to a domain after an initial uniform distribution. Phelps BM, et al. **Dev Biol** 1987 Sep; 123(1):63–72

Anchoring of membrane proteins via phosphatidylinositol is deficient in two classes of Thy-1 negative mutant lymphoma cells. Conzelmann A, et al. **EMBO J** 1986 Dec 1;5(12):3291–6

Both hydrophobic domains of M13 procoat are required to initiate membrane insertion. Kuhn A, et al. **EMBO J** 1986 Dec 20;5(13):3681–5

Import of frog prepropeptide GLa into microsomes requires ATP but does not involve docking protein or ribosomes. Schlenstedt G, et al. **EMBO J** 1987 Mar;6(3):699–703

The uncoupling protein from brown-adipose-tissue mitochondria. Chymotrypsin-induced structural and functional modifications. Fernández M, et al. **Eur J Biochem** 1987 May 4;164(3):675–80

Fusion of rat erythrocytes by membrane-mobility agent A2C depends on membrane proteolysis by a cytoplasmic calpain. Glaser T, et al. **Eur J Biochem** 1986 Sep 1;159(2):387–92

Control of uncoupling protein in brown-fat mitochondria by purine nucleotides. Chemical modification by diazobenzenesulfonate. Kopecký J, et al. **Eur J Biochem** 1987 May 4;164(3):687–94

Chemical modification of the brown-fat-mitochondrial uncoupling protein with tetranitromethane and N-ethylmaleimide. A cysteine residue is implicated in the nucleotide regulation of anion permeability. Rial E, et al. **Eur J Biochem** 1986 Dec 15;161(3):689–94

Anion exchanger is present in both luminal and basolateral renal membranes. Talor Z, et al. **Eur J Biochem** 1987 May 4;164(3):695–702

A constitutive transmembrane glycoprotein of Mr 165,000 (desmoglein) in epidermal and non-epidermal desmosomes. II. Immunolocalization and microinjection studies. Schmelz M, et al. **Eur J Cell Biol** 1986 Dec;42(2):184–99

Cyclic adenosine monophosphate stimulates biosynthesis and phosphorylation of the 26 kDa gap junction protein in cultured mouse hepatocytes. Traub O, et al. **Eur J Cell Biol** 1987 Feb;43(1):48–54

Ligand binding by the p150,95 antigen of U937 monocytic cells: properties in common with complement receptor type 3 (CR3). Malhotra V, et al. **Eur J Immunol** 1986 Sep; 16(9):1117–23

Immunological determination of transducin content in retinas exhibiting inherited degeneration. Navon SE, et al. **Exp Eye Res** 1987 Jan;44(1):115–25

Major intrinsic polypeptide (MIP26K) from human lens membrane: characterization of low-molecular-weight forms in the aging human lens. Takemoto L, et al. **Exp Eye Res** 1986 Oct;43(4):661–7

Age-estimations of rats based on the average lateral diffusion constant of hepatocyte membrane proteins as revealed by fluorescence recovery after photobleaching. Zs.-Nagy I, et al. **Exp Gerontol** 1986;21(6):555–63

Hymenolepis diminuta: interactions of the isolated brush border membrane with proteolytic enzymes. Pappas PW. **Exp Parasitol** 1987 Aug;64(1):38–47

The acute GH action in rat adipocytes is associated with enhanced phosphorylation of a 46 kDa plasma membrane protein enriched by GH-Sepharose. Donnér J, et al. **FEBS Lett** 1986 Nov 24;208(2):269–72

Regulation of mitochondrial proteolysis. Selective degradation of inner membrane polypeptides. Duque-Magalhães MC, et al. **FEBS Lett** 1987 Jan 5; 210(2):142–6

Stimulation of partially purified adenylate cyclase from bull sperm by bicarbonate. Garty NB, et al. **FEBS Lett** 1987 Jun 22;218(1):148–52

ras proteins enhance the phosphorylation of a 38 kDa protein (p38) in rat liver plasma membrane [published erratum appears in FEBS Lett 1987 Sep 14;221(2):433] Hegde AN, et al. **FEBS Lett** 1987 Jun 8;217(1):74–80

Sulfhydryl groups are involved in H+ translocation via the uncoupling protein of brown adipose tissue mitochondria. Ježek P. **FEBS Lett** 1987 Jan 19;211(1):89–93

ADP-ribosylation of specific membrane proteins in pheochromocytoma and primary-cultured brain cells by botulinum neurotoxins type C and D [published erratum appears in FEBS Lett 1987 Aug 10;220(1):253] Matsuoka I, et al. **FEBS Lett** 1987 Jun 1;216(2):295–9

Detailed structural analysis of exposed domains of membrane-bound Na+,K+-ATPase. A model of transmembrane arrangement. Ovchinnikov YuA, et al. **FEBS Lett** 1987 Jun 15;217(2):269–74

Rat liver membranes contain a 120 kDa glycoprotein which serves as a substrate for the tyrosine kinases of the receptors for insulin and epidermal growth factor. Phillips SA, et al. **FEBS Lett** 1987 Feb 9;212(1):141–4

GTP-dependent ADP-ribosylation of a 22 kDa protein in the endoplasmic reticulum membrane. Robinson A, et al. **FEBS Lett** 1987 Jun 22;218(1):63–7

Activation of polyphosphoinositide phospholipase C by guanosine 5'-O-(3-thio)triphosphate and fluoroaluminate in membranes prepared from a human T cell leukemia line, JURKAT. Sasaki T, et al. **FEBS Lett** 1987 Jun 22; 218(1):87–92

Effects of Ca2+, theophylline and promethazine on protein phosphorylation in intact cells of rabbit ileum. Correlation with active Na and Cl absorption. Sharp GW, et al. **FEBS Lett** 1987 Sep 14;221(2):309–14

Phosphorylation of liver gap junction protein by protein kinase C. Takeda A, et al. **FEBS Lett** 1987 Jan 5; 210(2):169–72

Some characteristics of hormone (pheromone) processing enzymes in yeast [published erratum appears in FEBS Lett 1987 Sep 14;221(2):433] Wagner JC, et al. **FEBS Lett** 1987 Jun 22;218(1):31–4

Role of plasma membrane ligand-binding proteins in the hepatocellular uptake of albumin-bound organic anions. Berk PD, et al. **Hepatology** 1987 Jan-Feb;7(1):165–76 (118 ref.)

How proteins move across the endoplasmic reticulum membrane. Blobel G. **Hepatology** 1987 Jan-Feb;7(1 Suppl):26S–29S

Expression of epithelial markers in sarcomatoid carcinoma: an immunohistochemical study. Ogawa K, et al. **Histopathology** 1987 May;11(5):511–22

Lack of fibronectin-binding plasma membrane proteins may explain defective pericellular matrix formation in transformed fibroblasts and fibrosarcoma cells. Virtanen I, et al. **Int J Cancer** 1987 Mar 15;39(3):361–6

Receptor-mediated endocytosis in liver parenchymal cells. Geuze HJ, et al. **Int Rev Exp Pathol** 1986;29:113–71 (285 ref.)

Involvement of membrane sugar receptors and membrane glycoconjugates in the adhesion of 3LL cell subpopulations to cultured pulmonary cells. Kieda C, et al. **Invasion Metastasis** 1986;6(6):347–66

Peripherin. A rim-specific membrane protein of rod outer segment discs. Molday RS, et al.

Invest Ophthalmol Vis Sci 1987 Jan;28(1):50–61

Effects of antibiotics and other inhibitors on ATP-dependent protein translocation into membrane vesicles. Chen L, et al. **J Bacteriol** 1987 Jun;169(6):2373–9

Membrane protein binding to the origin region of Bacillus subtilis. Laffan J, et al. **J Bacteriol** 1987 Sep;169(9):4135–40

The Saccharomyces cerevisiae start mutant carrying the cdc25 mutation is defective in activation of plasma membrane ATPase by glucose. Portillo F, et al. **J Bacteriol** 1986 Dec;168(3):1254–7

Fimbria-associated proteins of Bacteroides loescheii PK1295 mediate intergeneric coaggregations. Weiss EI, et al. **J Bacteriol** 1987 Sep;169(9):4215–22

Regulation of the mitochondrial outer membrane channel, VDAC. Colombini M. **J Bioenerg Biomembr** 1987 Aug; 19(4):309–20 (25 ref.)

Biosynthesis, glycosylation, movement through the Golgi system, and transport to lysosomes by an N-linked carbohydrate-independent mechanism of three lysosomal integral membrane proteins. Barriocanal JG, et al. **J Biol Chem** 1986 Dec 15;261(35):16755–63

Identification and purification of a kidney membrane protein which specifically binds the amino-terminal domain of native parathyroid hormone. Chuang J, et al. **J Biol Chem** 1987 Aug 5;262(22):10760–6

Import of proteins into chloroplasts. Membrane integration of a thylakoid precursor protein reconstituted in chloroplast lysates. Cline K. **J Biol Chem** 1986 Nov 5;261(31):14804–10

Phosphorylation of thylakoid proteins by a purified kinase. Coughlan S, et al. **J Biol Chem** 1987 Jun 15;262(17):8402–8

Association of brain ankyrin with brain membranes and isolation of active proteolytic fragments of membrane-associated ankyrin-binding protein(s). Davis JQ, et al. **J Biol Chem** 1986 Dec 5;261(34):16198–206

Identification of an outer mitochondrial membrane protein that interacts with a synthetic signal peptide. Gillespie LL. **J Biol Chem** 1987 Jun 15;262(17):7939–42

Mechanism of action of monoclonal antibodies that block the light activation of the guanyl nucleotide-binding protein, transducin. Hamm HE, et al. **J Biol Chem** 1987 Aug 5;262(22):10831–8

Anti-immunoglobulin and phorbol ester induce phosphorylation of proteins associated with the plasma membrane and cytoskeleton in murine B lymphocytes. Hornbeck P, et al. **J Biol Chem** 1986 Nov 5; 261(31):14817–24

Ligatin: a peripheral membrane protein with covalently bound palmitic acid. Jakoi ER, et al. **J Biol Chem** 1987 Jan 25;262(3):1300–4

Comparison of the postsynaptic 43-kDa protein from muscle cells that differ in acetylcholine receptor clustering activity. LaRochelle WJ, et al. **J Biol Chem** 1987 Jun 15; 262(17):8190–5

Chromobindin A. A Ca2+ and ATP regulated chromaffin granule binding protein. Martin WH, et al. **J Biol Chem** 1987 Feb 25;262(6):2803–10

Cell substrate adhesion-induced redistribution of proteins among the apical, basal, and internal domains of the plasma membrane of HeLa cells spreading on gelatin. Mason PW, et al. **J Biol Chem** 1987 Mar 15;262(8):3746–53

An accessory protein identical to mouse egasyn is complexed with rat microsomal beta-glucuronidase and is identical to rat esterase-3. Medda S, et al. **J Biol Chem** 1987 May 25;262(15):7248–53

ADP-ribosylation of a Mr 21,000 membrane protein by type D botulinum toxin. Ohashi Y, et al. **J Biol Chem** 1987 Feb 5;262(4):1430–3

T3-p28 is a protein associated with the delta and epsilon chains of the T cell receptor-T3 antigen complex during biosynthesis. Pettey CL, et al. **J Biol Chem** 1987 Apr 5; 262(10):4854–9

Identification of the multidrug resistance-related membrane glycoprotein as an acceptor for calcium channel blockers. Safa AR, et al. **J Biol Chem** 1987 Jun 5;262(16):7884–8

A second type of protein methylation reaction in bacterial chemotaxis. Stock A, et al. **J Biol Chem** 1987 Jun 15; 262(17):8011–4

Surface receptor-mediated activation of adenylate cyclase in Dictyostelium. Regulation by guanine nucleotides in wild-type cells and aggregation deficient mutants. Theibert A, et al. **J Biol Chem** 1986 Nov 15;261(32):15121–5

Evidence for an intermediate methyl-acceptor for chemotaxis in Bacillus subtilis. Thoelke MS, et al. **J Biol Chem** 1987 Feb 25;262(6):2811–6

Localization of a liver transglutaminase and a large molecular weight transglutaminase substrate to a distinct plasma membrane domain. Tyrrell DJ, et al. **J Biol Chem** 1986 Nov 5;261(31):14833–6

Transducin interactions with rhodopsin. Evidence for positive cooperative behavior. Wessling-Resnick M, et al. **J Biol Chem** 1987 Sep 15;262(26):12444–7

Allosteric behavior in transducin activation mediated by rhodopsin. Initial rate analysis of guanine nucleotide exchange. Wessling-Resnick M, et al. **J Biol Chem** 1987 Mar 15;262(8):3697–705

Insulin stimulates the tyrosine phosphorylation of a Mr = 160,000 glycoprotein in rat adipocyte plasma membranes. Yu KT, et al. **J Biol Chem** 1987 Jun 5;262(16):7865–73

Exchange of sodium for calcium across the plasma membrane. Baker PF. **J Cardiovasc Pharmacol** 1986;8 Suppl 8:S25–32 (64 ref.)

Active Na+ and Ca+ transport, Na+–Ca2+ exchange, and intracellular Na+ and Ca2+ content in young spontaneously hypertensive rats. David-Dufilho M, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 8:S130–5

Identification of a new protein localized at sites of cell-substrate adhesion. Beckerle MC. **J Cell Biol** 1986 Nov;103(5):1679–87

Topographic localization of the heparin-binding domain of the neural cell adhesion molecule N-CAM. Cole GJ, et al. **J Cell Biol** 1986 Nov;103(5):1739–44

Beta spectrin bestows protein 4.1 sensitivity on spectrin-actin interactions. Coleman TR, et al. **J Cell Biol** 1987 Mar; 104(3):519–26

Lateral diffusion of the PH-20 protein on guinea pig sperm: evidence that barriers to diffusion maintain plasma membrane domains in mammalian sperm. Cowan AE, et al. **J Cell Biol** 1987 Apr;104(4):917–23

Limited and selective transfer of plasma membrane glycoproteins to membrane of secondary lysosomes. Haylett T, et al. **J Cell Biol** 1986 Oct;103(4):1249–56

The sorting of proteins to the plasma membrane in epithelial cells. Matlin KS. **J Cell Biol** 1986 Dec;103(6 Pt 2):2565–8

Modulation of fodrin (membrane skeleton) stability by cell-cell contact in Madin-Darby canine kidney epithelial cells. Nelson WJ, et al. **J Cell Biol** 1987 Jun;104(6):1527–37

Structure and assembly of desmosome junctions: biosynthesis, processing, and transport of the major protein and glycoprotein components in cultured epithelial cells. Penn EJ, et al. **J Cell Biol** 1987 Jul;105(1):57–68

Alteration of the cytoplasmic domain of the membrane-spanning glycoprotein p62 of Semliki Forest virus does not affect its polar distribution in established lines of Madin-Darby canine kidney cells. Roman LM, et al. **J Cell Biol** 1986 Dec;103(6 Pt 2):2607–18

Characterization of translocation contact sites involved in the import of mitochondrial proteins. Schwaiger M, et al. **J Cell Biol** 1987 Jul;105(1):235–46

Free diffusion to and from the inner nuclear membrane of newly synthesized plasma membrane glycoproteins. Torrisi MR, et al. **J Cell Biol** 1987 Mar;104(3):733–7

A cell-free assay for the insertion of a viral glycoprotein into the plasma membrane. Woodman PG, et al. **J Cell Biol** 1986 Nov;103(5):1829–35

Two integral membrane proteins located in the cis-middle and trans-part of the Golgi system acquire sialylated N-linked carbohydrates and display different turnovers and sensitivity to cAMP-dependent phosphorylation. Yuan L, et al. **J Cell Biol** 1987 Jul;105(1):215–27

Comparison of the phosphorylation events in membranes from proliferating vs. quiescent endothelial cells. Kazlauskas A, et al. **J Cell Physiol** 1987 Feb;130(2):228–44

Ca2+-dependent cell surface protein phosphorylation may be involved in the initiation of DNA synthesis. Kleine LP, et al. **J Cell Physiol** 1986 Dec;129(3):303–9

Increase in the concentration of major boar sperm surface proteins during maturation in the epididymis. Saxena NK, et al. **J Cell Sci** 1986 Jun;82:295–308

Increased expression of complement decay-accelerating factor during activation of human neutrophils. Berger M, et al. **J Clin Invest** 1987 Jan;79(1):214–20

Intracellular conversion of thyroxine to triiodothyronine is required for the optimal thermogenic function of brown adipose tissue. Bianco AC, et al. **J Clin Invest** 1987 Jan; 79(1):295–300

Stimulated mobilization of monocyte Mac-1 and p150,95 adhesion proteins from an intracellular vesicular compartment to the cell surface. Miller LJ, et al. **J Clin Invest** 1987 Aug;80(2):535–44

Heinz bodies induce clustering of band 3, glycophorin, and ankyrin in sickle cell erythrocytes. Waugh SM, et al. **J Clin Invest** 1986 Nov;78(5):1155–60

NADP+ enhances cholera and pertussis toxin-catalyzed ADP-ribosylation of membrane proteins. Kawai Y, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1986; 11(4):265–74

Tyrosine phosphorylation of an interleukin 2 receptor-like protein in cells transformed by human T cell leukemia virus type I. Ogawa R, et al. **J Exp Med** 1987 Apr 1; 165(4):959–69

Cellular localization of perforin 1 in murine cloned cytotoxic T lymphocytes. Groscurth P, et al. **J Immunol** 1987 May 1;138(9):2749–52

Reaction of T lymphocytes with anti-T3 induces translocation of C-kinase activity to the membrane and specific substrate phosphorylation. Nel AE, et al. **J Immunol** 1987 May 15;138(10):3519–24

Removal of lymphocyte surface molecules with phosphatidylinositol-specific phospholipase C: effects on mitogen responses and evidence that ThB and certain Qa antigens are membrane-anchored via phosphatidylinositol. Stiernberg J, et al. **J Immunol** 1987 Jun 1;138(11):3877–84

Identification of new components of the cornified envelope of human and bovine epidermis. Kubilus J, et al. **J Invest Dermatol** 1987 Jul;89(1):44–50

Ammonium transport in medullary thick ascending limb of rabbit kidney: involvement of the Na+,K+,Cl(-)-cotransporter. Kinne R, et al. **J Membr Biol** 1986;94(3):279–84

Kinetic study on the equilibrium between membrane-bound and free photoreceptor G-protein. Schleicher A, et al. **J Membr Biol** 1987;95(3):271–81

Evidence for a Na+/K+/Cl- cotransport system in basolateral membrane vesicles from the rabbit parotid. Turner RJ, et al. **J Membr Biol** 1986;94(2):143–52

Alkylation of free sulfhydryls fortifies electroplax subsynaptic structures. Gysin R, et al. **J Neurochem** 1987 Aug; 49(2):452–9

Nucleoside transporter of cerebral microvessels and choroid plexus. Kalaria RN, et al. **J Neurochem** 1986 Dec; 47(6):1849–56

Light microscopic immunolocalization of laminin, type IV collagen, nidogen, heparan sulphate proteoglycan and fibronectin in the enteric nervous system of rat and guinea pig. Bannerman PG, et al. **J Neurocytol** 1986 Dec; 15(6):733–43

Quantitative changes in the synaptic vesicle proteins synapsin I and p38 and the astrocyte-specific protein glial fibrillary acidic protein are associated with chemical-induced injury to the rat central nervous system. Brock TO, et al. **J Neurosci** 1987 Apr;7(4):931–42

Plasticity of expression of a synaptic vesicle antigen in adult rat superior cervical ganglion. Greif KF. **J Neurosci** 1986 Dec;6(12):3628–33

Dietary copper deficiency alters protein and lipid composition of murine lymphocyte plasma membranes. Korte JJ, et al. **J Nutr** 1987 Jun;117(6):1076–84

Characteristics of membrane protein phosphorylation in Plasmodium berghei-infected mouse erythrocytes. Chaimanee P, et al. **J Protozool** 1986 Nov;33(4):446–54

The Torpedo electrocyte: a model system for the study of receptor-cytoskeleton interactions. Kordeli E, et al. **J Recept Res** 1987;7(1–4):71–88

Changes in the organization of surface antigens during in-vitro capacitation of boar spermatozoa as detected by monoclonal antibodies. Saxena N, et al. **J Reprod Fertil** 1986 Nov;78(2):601–14

Analyses of avidin-biotin complexes with lectins of membrane glycoproteins in the urinary bladder of rats treated with N-butyl-N-(4-hydroxybutyl)nitrosamine. Takai K, et al. **J Urol** 1987 Jan;137(1):136–9

Posttranslational processing of an Epstein-Barr virus-encoded membrane protein expressed in cells transformed by Epstein-Barr virus. Baichwal VR, et al. **J Virol** 1987 Mar;61(3):866–75

Photoaffinity labelling of a 33–35,000 dalton protein in cardiac, skeletal and smooth muscle membranes using a new 125I-labelled 1,4-dihydropyridine calcium channel antagonist. Sarmiento JG, et al. **Life Sci** 1986 Dec 22; 39(25):2401–9

Interaction of calmodulin and other calcium-modulated proteins with gap junctions. Hertzberg EL, et al. **Methods Enzymol** 1987;139:445–54

The measurement of the kinetics of lipid phase transitions: a volume-perturbation kinetic calorimeter. Johnson ML, et al. **Methods Enzymol** 1986;130:534–51

Localization and identification of an Entamoeba histolytica adhesin. Arroyo R, et al. **Mol Biochem Parasitol** 1987 Mar; 23(2):151–8

The interaction of a Trypanosoma cruzi surface protein with Vero cells and its relationship with parasite adhesion. Boschetti MA, et al. **Mol Biochem Parasitol** 1987 Jun; 24(2):175–84

Variant surface glycoproteins of Trypanosoma congolense bloodstream and metacyclic forms are anchored by a glycolipid tail. Ross CA, et al. **Mol Biochem Parasitol** 1987 Jan 15;22(2–3):153–8

An assay of membrane-bound Trypanosoma brucei phospholipase using an integral membrane protein substrate and detergent phase separation. Ward J, et al. **Mol Biochem Parasitol** 1987 Feb;23(1):1–7

The protein-tyrosine kinase substrate p36 is also a substrate for protein kinase C in vitro and in vivo. Gould KL, et al. **Mol Cell Biol** 1986 Jul;6(7):2738–44

Modulation of p36 phosphorylation in human cells: studies using anti-p36 monoclonal antibodies. Isacke CM, et al. **Mol Cell Biol** 1986 Jul;6(7):2745–51

Residual nitrobenzylthioinosine-resistant nucleoside transport in a transport mutant (AE1) of S49 murine T-lymphoma cells. Plagemann PG, et al. **Mol Cell Biol** 1987 Jan;7(1):160–6

Ability of guanine nucleotide derivatives to bind and activate bovine transducin. Kelleher DJ, et al. **Mol Pharmacol** 1986 Dec;30(6):603–8

Ankyrin binding to (Na+ + K+)ATPase and implications for the organization of membrane domains in polarized cells. Nelson WJ, et al. **Nature** 1987 Aug 6–12; 328(6130):533–6

Models for quick activation of transducin and spontaneous deactivation of activated rhodopsin in rod outer segments. Ichikawa K. **Neurosci Res** 1986 Nov;4(1):74–81

cAMP-mediated protein phosphorylation of microsomal membranes increases mannosylphosphodolichol synthase activity. Banerjee DK, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6389–93

Insulin rapidly stimulates phosphorylation of a 46-kDa membrane protein on tyrosine residues as well as phosphorylation of several soluble proteins in intact fat cells. Häring HU, et al. **Proc Natl Acad Sci USA** 1987 Jan; 84(1):113–7

Presence of the peroxisomal 22-kDa integral membrane protein in the liver of a person lacking recognizable peroxisomes (Zellweger syndrome). Lazarow PB, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9193–6

Polarized expression of a chimeric protein in which the transmembrane and cytoplasmic domains of the influenza

virus hemagglutinin have been replaced by those of the vesicular stomatitis virus G protein. McQueen N, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9318–22

Integral membrane proteins significantly decrease the molecular motion in lipid bilayers: a deuteron NMR relaxation study of membranes containing myelin proteolipid apoprotein. Meier P, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3704–8

Insulin stimulates phosphorylation of a 120-kDa glycoprotein substrate (pp120) for the receptor-associated protein kinase in intact H-35 hepatoma cells. Perrotti N, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3137–40

Selective labeling of proteins in biological systems by photosensitization of 5-iodonaphthalene-1-azide. Raviv Y, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6103–7

On the transfer of integral proteins into membranes. Singer SJ, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1960–4

Multisite phosphorylation of the alpha subunit of transducin by the insulin receptor kinase and protein kinase C. Zick Y, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9294–7

Radioruthenium uptake by the erythrocyte membrane proteins. Mařík T, et al. **Radiobiol Radiother (Berl)** 1986; 27(3):359–61

Coexistence of guanylate cyclase and atrial natriuretic factor receptor in a 180-kD protein. Paul AK, et al. **Science** 1987 Mar 6;235(4793):1224–6

Interaction of di- and tributyltin chloride with human erythrocyte membrane. Ali AA, et al. **Toxicol Lett** 1987 Sep;38(1–2):13–8

Immunohistochemical observations of keratins, involucrin, and epithelial membrane antigen in urinary bladder carcinomas from patients infected with Schistosoma haematobium. Fukushima S, et al. **Virchows Arch [A]** 1987; 411(2):103–15

[Hypocrellin A-sensitized cross-linking of erythrocyte membrane proteins] Zheng JH, et al. **Shih Yen Sheng Wu Hsueh Pao** 1986 Dec;19(4):445–53 (Eng. Abstr.) **(Chi)**

[Value and prognostic significance of alpha-lactalbumin (ALA), lactoferrin (Lfr) and HMFG-2 in primary breast cancers. An immunohistochemical study] Wrba F, et al. **Pathologe** 1987 Jan;8(1):25–30 **(Ger)**

[Activation of protein C on the surface of cultivated endothelial cells—role of antithrombin III] Meusel P, et al. **Verh Dtsch Ges Inn Med** 1986;92:120–5 **(Ger)**

[Channel-forming membrane protein (32 kD) from brown fat mitochondria] Mirzabekov TA, et al. **Biofizika** 1987 Mar-Apr;32(2):345–6 (Eng. Abstr.) **(Rus)**

[Effect of ionizing radiation on the functional state of snail neurons. Cyclic nucleotide levels and phosphorylation of membrane proteins] Dvoretskiĭ AI, et al. **Radiobiologiia** 1987 Jul-Aug;27(4):462–7 (Eng. Abstr.) **(Rus)**

[Synaptosome membrane proteins of the rat brain in convulsions caused by increased oxygen pressure] Sherstnev KB, et al. **Vopr Med Khim** 1986 Jul-Aug; 32(4):35–7 (Eng. Abstr.) **(Rus)**

[Dependence of membrane protein turnover in Mycoplasma cells on the age of the culture] Aksenov MIu, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 May;(5):20–4 (Eng. Abstr.) **(Rus)**

[Molecular bases of anesthesia] García Barreno P. **Rev Esp Anestesiol Reanim** 1986 Jul-Aug;33(4):257–64 (80 ref.) (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Functional dissociation of dual activities of glia maturation factor: inhibition of glial proliferation and preservation of differentiation by glial growth inhibitory factor. Kato T, et al. **Brain Res** 1987 May;430(1):153–6

Enhancement of choleragen ADP-ribosyltransferase activities by guanyl nucleotides and a 19-kDa membrane protein. Tsai SC, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(15):5139–42

[Varying rates of phagocytosis of human blood monocytes and breast milk macrophages: effect of intralipid and milk fat globules] Schroten H, et al. **Monatsschr Kinderheilkd** 1987 Jan;135(1):36–40 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

The structure and function of the voltage-sensitive Na channel. Agnew WS, et al. **Ann NY Acad Sci** 1986; 479:238–56

Structure-activity relations of tetrodotoxin, saxitoxin, and analogues. Kao CY. **Ann NY Acad Sci** 1986;479:52–67

Single-channel studies of TTX-sensitive and TTX-resistant sodium channels in developing rat muscle reveal different open channel properties. Weiss RE, et al. **Ann NY Acad Sci** 1986;479:152–61

An introduction to molecular architecture and permeability of ion channels. Eisenman G, et al. **Annu Rev Biophys Biophys Chem** 1987;16:205–26 (181 ref.)

Lateral diffusion of proteins in membranes. Jacobson K, et al. **Annu Rev Physiol** 1987;49:163–75 (44 ref.)

Immunological studies of the binding protein for chloroplast ferredoxin-NADP+ reductase. Chan RL, et al. **Arch Biochem Biophys** 1987 Feb 15;253(1):56–61

Lipid-protein interactions in the adaptive regulation of membrane function. Cossins AR, et al. **Biochem Soc Trans** 1987 Feb;15(1):77–81

Modelling the biological membrane. Madden TD, et al. **Biochem Soc Trans** 1987 Feb;15(1):75–7

Functional differences in the beta gamma complexes of transducin and the inhibitory guanine nucleotide regulatory protein. Cerione RA, et al. **Biochemistry** 1987 Mar 10; 26(5):1485–91

Nucleoside and nucleobase transport and metabolism in wild type and nucleoside transport-deficient Aedes albopictus cells. Abidi TF, et al. **Biochim Biophys Acta** 1987 Mar 12; 897(3):431–44

The surface compartment model: a theory of ion transport focused on ionic processes in the electrical double layers at membrane protein surfaces. Blank M. **Biochim Biophys Acta** 1987 Jun 24;906(2):277–94 (46 ref.)

The plasma-membrane-associated form of SV40 large tumor antigen: biochemical and biological properties. Butel JS, et al. **Biochim Biophys Acta** 1986 Oct 28;865(2):171–95 (213 ref.)

Vesicular stomatitis virus membrane proteins and their interactions with lipid bilayers. Pal R, et al. **Biochim Biophys Acta** 1987 Jun 24;906(2):175–93 (114 ref.)

Efficient reconstitution of mitochondrial energy-transfer reactions from depleted membranes and F1-ATPase as a function of the amount of bound oligomycin sensitivity-conferring protein (OSCP). Penin F, et al. **Biochim Biophys Acta** 1986 Nov 5;852(1):55–67

Fusion of Sindbis virus with model membranes containing phosphatidylethanolamine: implications for protein-induced membrane fusion. Scheule RK. **Biochim Biophys Acta** 1987 May 29;899(2):185–95

Phospholipid outside-inside translocation in lymphocyte plasma membranes is a protein-mediated phenomenon. Zachowski A, et al. **Biochim Biophys Acta** 1987 Feb 12; 897(1):197–200

A theoretical analysis of the effects of sonication on differential absorption flattening in suspensions of membrane sheets. Teeters CL, et al. **Biophys J** 1987 Apr; 51(4):527–32

Plakoglobin: a protein common to different kinds of intercellular adhering junctions. Cowin P, et al. **Cell** 1986 Sep 26;46(7):1063–73

PrP and the nature of the scrapie agent. Diener TO. **Cell** 1987 Jun 19;49(6):719–21

Speculations on the functions of the major heat shock and glucose-regulated proteins. Pelham HR. **Cell** 1986 Sep 26; 46(7):959–61

Functional assembly of gap junction conductance in lipid bilayers: demonstration that the major 27 kd protein forms the junctional channel. Young JD, et al. **Cell** 1987 Mar 13;48(5):733–43

Macrophage membrane proteins: possible role in the regulation of priming for enhanced respiratory burst activity. Bryant SM, et al. **Cell Immunol** 1986 Nov; 103(1):216–23

Molecular structure of the gap junctional channel. Finbow ME, et al. **Ciba Found Symp** 1987;125:92–107

The desmosomal plaque and the cytoskeleton. Franke WW, et al. **Ciba Found Symp** 1987;125:26–48 (44 ref.)

Topology of gap junction protein and channel function. Gilula NB. **Ciba Found Symp** 1987;125:128–39

The role of uvomorulin in the formation of epithelial occluding junctions. Gumbiner B, et al. **Ciba Found Symp** 1987;125:168–86 (31 ref.)

Sequence diversity of gap junction proteins. Revel JP, et al. **Ciba Found Symp** 1987;125:108–27 (49 ref.)

On the molecular organization, diversity and functions of desmosomal proteins. Steinberg MS, et al. **Ciba Found Symp** 1987;125:3–25 (41 ref.)

Gap junction structure and the control of cell-to-cell communication. Unwin PN. **Ciba Found Symp** 1987; 125:78–91

The use of antibodies to gap junction protein to explore the role of gap junctional communication during development. Warner AE. **Ciba Found Symp** 1987;125:154–67

Lipid-protein interactions and the function of the Ca2+-ATPase of sarcoplasmic reticulum. Hidalgo C. **CRC Crit Rev Biochem** 1987;21(4):319–47 (251 ref.)

Calcium-dependent proteases: an enzyme system active at cellular membranes? Mellgren RL. **FASEB J** 1987 Aug; 1(2):110–5 (36 ref.)

A structural model for the alpha-subunit of transducin. Implications of its role as a molecular switch in the visual signal transduction mechanism. Hingorani VN, et al. **FEBS Lett** 1987 Aug 10;220(1):15–22

Mutational alterations affecting the export competence of a truncated but fully functional maltose-binding protein signal peptide. Fikes JD, et al. **J Bacteriol** 1987 Jun; 169(6):2345–51

Hybrid Escherichia coli sensory transducers with altered stimulus detection and signaling properties. Slocum MK, et al. **J Bacteriol** 1987 Jul;169(7):2938–44

Importance of the mitochondrial outer membrane channel as a model biological channel. Mannella CA, et al. **J Bioenerg Biomembr** 1987 Aug;19(4):305–8 (23 ref.)

Electron microscopy and image analysis of the mitochondrial outer membrane channel, VDAC. Mannella CA. **J Bioenerg Biomembr** 1987 Aug;19(4):329–40 (42 ref.)

Water movement during channel opening and closing. Zimmerberg J, et al. **J Bioenerg Biomembr** 1987 Aug; 19(4):351–8 (21 ref.)

Integrin (the CSAT antigen): functionality requires oligomeric integrity. Buck CA, et al. **J Cell Biol** 1986 Dec; 103(6 Pt 1):2421–8

Lymphocyte recognition of high endothelium: antibodies to distinct epitopes of an 85-95-kD glycoprotein antigen differentially inhibit lymphocyte binding to lymph node, mucosal, or synovial endothelial cells. Jalkanen S, et al. **J Cell Biol** 1987 Aug;105(2):983–90

Selective induction of tyrosine hydroxylase by cell-cell contact in bovine adrenal chromaffin cells is mimicked by plasma membranes. Saadat S, et al. **J Cell Biol** 1986 Nov; 103(5):1991–7

Functional correlation between cell adhesive properties and some cell surface proteins. Takeichi M. **J Cell Biol** 1977 Nov;75(2 Pt 1):464–74

A-CAM: a 135-kD receptor of intercellular adherens junctions. II. Antibody-mediated modulation of junction formation. Volk T, et al. **J Cell Biol** 1986 Oct; 103(4):1451–64

Dissociation of membrane binding and lytic activities of the lymphocyte pore-forming protein (perforin). Young JD, et al. **J Exp Med** 1987 May 1;165(5):1371–82

Hydrophobicity-hydrophilicity of staphylococci. Reifsteck F, et al. **J Med Microbiol** 1987 Aug;24(1):65–73

Voltage-dependent channel formation by rods of helical polypeptides. Menestrina G, et al. **J Membr Biol** 1986; 93(2):111–32

The membrane glycoprotein of Friend spleen focus-forming virus: evidence that the cell surface component is required for pathogenesis and that it binds to a receptor. Li JP, et al. **J Virol** 1987 Sep;61(9):2782–92

Growth inhibitory polypeptides in the regulation of cell proliferation. Keski-Oja J, et al. **Med Biol** 1987;65(1):13–20 (74 ref.)

Glucose phosphotransferase and intracellular trafficking. Marchase RB, et al. **Mol Cell Biochem** 1986 Nov-Dec; 72(1–2):101–7

A rat spermatocyte surface protein is involved in adhesion of pachytene spermatocytes to Sertoli cells in vitro. D'Agostino A, et al. **Mol Cell Biol** 1987 Mar;7(3):1250–5

Cytoskeleton: role of fodrin in secretion [news] Burgoyne RD, et al. **Nature** 1987 Apr 2–8;326(6112):448

Anti-alpha-fodrin inhibits secretion from permeabilized chromaffin cells. Perrin D, et al. **Nature** 1987 Apr 2–8; 326(6112):498–501

Functional role for the 170- to 180-kDa glycoprotein specific to drug-resistant tumor cells as revealed by monoclonal antibodies. Hamada H, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7785–9

Stimulation of phospholipase A2 activity in bovine rod outer segments by the beta gamma subunits of transducin and its inhibition by the alpha subunit. Jelsema CL, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3623–7

Ultrasteep voltage dependence in a membrane channel. Mangan PS, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(14):4896–900

Restoration of flagellar clockwise rotation in bacterial envelopes by insertion of the chemotaxis protein CheY. Ravid S, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(19):7157–61

Monoclonal antibodies increase intracellular Ca2+ in sea urchin spermatozoa. Trimmer JS, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9055–9

The molecules of visual excitation. Stryer L. **Sci Am** 1987 Jul;257(1):42–50

Global flexibility in a sensory receptor: a site-directed cross-linking approach. Falke JJ, et al. **Science** 1987 Sep 25;237(4822):1596–600

Structure, function, and assembly of membrane proteins. Racker E. **Science** 1987 Feb 27;235(4792):959–61 (21 ref.)

Proteins of excitable membranes. **Soc Gen Physiol Ser** 1987; 41:1–331

[A model for long-term changes in synaptic efficacy based on the interaction of the acetylcholine receptor with the 43,000 dalton sub-synaptic protein] Yeramian E, et al. **C R Acad Sci [III]** 1986;302(17):609–16 (Eng. Abstr.) **(Fre)**

[Pathology of cellular receptors] Restian A. **Rev Med Interna [Med Interna]** 1986 Jul-Aug;38(4):373–84 (95 ref.) **(Rum)**

[Water-soluble and membrane proteins of the central nervous system of the edible snail at different stages of long-term sensitization] Safronova OG. **Biull Eksp Biol Med** 1987 Mar;103(3):266–8 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Functional molecular mass of binding sites for [3H]dihydrotetrabenazine and [3H]reserpine and of dopamine beta-hydroxylase and cytochrome b561 from chromaffin granule membrane as determined by radiation inactivation. Gasnier B, et al. **Eur J Biochem** 1987 May 15;165(1):73–8

Electron-irradiation-induced flattening of negatively stained 2D protein crystals. Jésior JC, et al. **Ultramicroscopy** 1987; 21(4):313–9

[Soluble and membrane glycoproteins of the rat brain in radiation injury] Sokolov II, et al. **Radiobiologiia** 1987 May-Jun;27(3):414–7 (Eng. Abstr.) **(Rus)**

URINE

Urinary GP41 excretion in patients with acute leukemias treated with intensive induction polychemotherapy. Maubach PA, et al. **Hamatol Bluttransfus** 1987;30:271–7

MEMBRANES

see related
CELL MEMBRANE
CELL WALL
MEMBRANE LIPIDS
MEMBRANE PROTEINS
NEURILEMMA
SYNOVIAL MEMBRANE

Nuclear magnetic resonance relaxation and the dynamics of proteins and membranes: theory and experiment. Szabo A. **Ann NY Acad Sci** 1986;482:44–59

Proton/hydroxide conductance and permeability through phospholipid bilayer membranes. Gutknecht J. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6443–6

Lateral diffusion of lipids in membranes by pulse saturation recovery electron spin resonance. Yin JJ, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):964–8

METABOLISM

Peptides with affinity for membranes. Kaiser ET, et al. **Annu Rev Biophys Biophys Chem** 1987;16:561–81 (123 ref.)

The vanadate-stimulated oxidation of NAD(P)H by biomembranes is a superoxide-initiated free radical chain reaction. Liochev S, et al. **Arch Biochem Biophys** 1986 Oct; 250(1):139–45

Conductance routes for protons across membrane barriers. Bramhall J. **Biochemistry** 1987 May 19;26(10):2848–55

Modification of the Kedem–Katchalsky equations. Slezak A, et al. **Biophys Chem** 1986 Jul;24(2):173–8

Phospholipids as a possible instrument for translocation of nascent proteins across biological membranes. Rietveld A, et al. **Biosci Rep** 1986 Sep;6(9):775–82

Lateral diffusion of lipids in complex biological membranes [published erratum appears in Proc Natl Acad Sci USA 1987 Aug;84(15):5231] O'Leary TJ. **Proc Natl Acad Sci USA** 1987 Jan;84(2):429–33

On the transfer of integral proteins into membranes. Singer SJ, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1960–4

PHYSIOLOGY

Ethanol-induced adaptation in biological membranes. Goldstein DB. **Ann NY Acad Sci** 1987;492:103–11

Phase transitions in biological membranes. Mouritsen OG. **Ann NY Acad Sci** 1986;491:166–9

Lateral diffusion of proteins in membranes. Jacobson K, et al. **Annu Rev Physiol** 1987;49:163–75 (44 ref.)

Free energy transduction in membrane transport systems induced by externally imposed fluctuations in ligand concentrations. Chen Y. **Biochim Biophys Acta** 1987 Sep 3;902(3):307–16

Nonequilibrium voltage fluctuations in biological membranes. I. General framework of charge transport in discrete systems and related voltage noise. Frehland E, et al. **Biophys Chem** 1986 Dec 15;25(2):135–45

Nonequilibrium voltage fluctuations in biological membranes. II. Voltage and current noise generated by ion carriers, channels and electrogenic pumps. Solleder P, et al. **Biophys Chem** 1986 Dec 15;25(2):147–59

Difference in capacities for virion-to-virion fusion of young and aged HVJ (Sendai virus): a model of membrane fusion. Kim J, et al. **J Membr Biol** 1987;97(3):241–9

[Biomembranes and pathology (I)] Rusu V, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jul–Sep;90(3):413–20 (Eng. Abstr.) **(Rum)**

RADIATION EFFECTS

Photomodification of biological membranes with emphasis on singlet oxygen mechanisms. Valenzeno DP. **Photochem Photobiol** 1987 Jul;46(1):147–60 (143 ref.)

MEMBRANES, ARTIFICIAL

Simultaneous electrochemical determination of diffusion and partition coefficients of potassium ferrocyanide for albumin–glutaraldehyde membranes. Marrese CA, et al. **Anal Chem** 1987 Jan 15;59(2):248–52

Ex vivo biocompatibility evaluation of a new modified cellulose membrane. Bosch T, et al. **Artif Organs** 1987 Apr; 11(2):144–8

Complement activation during hemodialysis: laboratory evaluation of hemodialyzers. Chenoweth DE, et al. **Artif Organs** 1987 Apr;11(2):155–62

Differential effect of hemodialysis membranes on human lymphocyte natural killer function. Kay NE, et al. **Artif Organs** 1987 Apr;11(2):165–7

Dialyzer membranes: effect of surface area and chemical modification of cellulose on complement and platelet activation. Mahiout A, et al. **Artif Organs** 1987 Apr; 11(2):149–54

Hemodiafiltration treatment of deep hepatic coma by protein passing membrane: case report. Yoshiba M, et al. **Artif Organs** 1986 Oct;10(5):417–9

Development of a regenerated cellulose non-complement activating membrane for hemodialysis. Akizawa T, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):76–80

Extractable ethylene oxide from cuprammonium cellulose plate dialyzers: importance of potting compound. Ing TS, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):108–10

A membrane-immobilized monoclonal antibody immunoadsorption system. McManus DE, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):81–4

Prostaglandin production and extracorporeal complement activation by dialyzer membranes. Mahiout A, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):88–92

Permeation rate to oxygen of membrane tympanostomy tubes. Rodgers VG, et al. **ASAIO Trans** 1986 Jul–Sep; 32(1):143–4

Extraction of solute-free water from blood by membrane distillation. Sakai K, et al. **ASAIO Trans** 1986 Jul–Sep; 32(1):397–400

Design of a plasma separator using ceramic membranes. Sakurai H, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):410–3

Cuprophan membrane induces interleukin-1 activity. Yamagami S, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):98–101

Stable phospholipid membrane supported on porous filter paper. Yoshikawa K, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1092–7

Use of dialysis fibers for the study of aerobic cells. Boulanger Y, et al. **Biochem Cell Biol** 1986 Sep;64(9):869–79

Partition of DDT in synthetic and native membranes. Antunes-Madeira MC, et al. **Biochim Biophys Acta** 1986 Sep 25;861(1):159–64

Importance of the tryptophans of gramicidin for its lipid structure modulating activity in lysophosphatidylcholine and phosphatidylethanolamine model membranes. A comparative study employing gramicidin analogs and a synthetic alpha-helical hydrophobic polypeptide. Aranda FJ, et al. **Biochim Biophys Acta** 1987 Jul 23;901(2):217–28

Preferential lipid association and mode of penetration of apocytochrome c in mixed model membranes as monitored by tryptophanyl fluorescence quenching using brominated phospholipids. Berkhout TA, et al. **Biochim Biophys Acta** 1987 Feb 12;897(1):1–4

The interactions of 1-palmitoyl-2-oleylphosphatidylcholine and bovine brain cerebroside. Curatolo W. **Biochim Biophys Acta** 1986 Oct 9;861(2):373–6

Stabilization of small unilamellar phospholipid vesicles during spray-drying. Hauser H, et al. **Biochim Biophys Acta** 1987 Feb 26;897(2):331–4

Structure and properties of mixed-chain phospholipid assemblies. Huang C, et al. **Biochim Biophys Acta** 1986 Dec 22;864(3–4):423–70 (174 ref.)

Phase separation and hexagonal HII phase formation by gramicidins A, B and C in dioleoylphosphatidylcholine model membranes. A study on the role of the tryptophan residues. Killian JA, et al. **Biochim Biophys Acta** 1987 Feb 26;897(2):269–84

Calcium-induced changes in permeability of dioleoylphosphatidylcholine model membranes containing bovine heart cardiolipin. Smaal EB, et al. **Biochim Biophys Acta** 1987 Feb 12;897(1):191–6

Consequences of the interaction of calcium with dioleoylphosphatidate-containing model membranes: calcium–membrane and membrane–membrane interactions. Smaal EB, et al. **Biochim Biophys Acta** 1987 Feb 12; 897(1):180–90

The interaction of an anti-lipid antibody (TEPC 15) with a model biomembrane system (monolayer). Urbaneja MA, et al. **Biochim Biophys Acta** 1987 Apr 9;898(2):253–6

Dolichyl phosphate induces non-bilayer structures, vesicle fusion and transbilayer movement of lipids: a model membrane study. van Duijn G, et al. **Biochim Biophys Acta** 1986 Oct 9;861(2):211–23

Simulated biological materials for electromagnetic radiation absorption studies. Hartsgrove G, et al. **Bioelectromagnetics** 1987;8(1):29–36

Kinetics of unidirectional transport in multimembrane systems as influenced by binding to macromolecules. Baláž S, et al. **Biophys Chem** 1986 Jul;24(2):135–42

Effects of double-layer polarization on ion transport. Hainsworth AH, et al. **Biophys J** 1987 Jan;51(1):27–36

The structure of melittin in membranes. Vogel H, et al. **Biophys J** 1986 Oct;50(4):573–82

Biocompatibility of different hemodialysis and plasmapheresis membranes. Jørstad S. **Blood Purif** 1987;5(2–3):123–37

Haemodialysis-induced activation of complement. Effects of different membranes. Levett DL, et al. **Blood Purif** 1986; 4(4):185–93

No evidence for endotoxin transfer across high flux polysulfone membranes. Bommer J, et al. **Clin Nephrol** 1987 Jun;27(6):278–82

Biocompatibility and clinical performance of a new modified cellulose membrane. Bosch T, et al. **Clin Nephrol** 1986;26 Suppl 1:S22–9

Heparin transfer across the rabbit peritoneal membrane. Canavese C, et al. **Clin Nephrol** 1986 Sep;26(3):116–20

Granulocyte activation during hemodialysis. Hörl WH, et al. **Clin Nephrol** 1986;26 Suppl 1:S30–4

Preliminary technical and clinical evaluation of a new hollow fiber dialyzer with a 5 microns thick cuprophan membrane. Ronco C, et al. **Clin Nephrol** 1986;26 Suppl 1:S17–21

Improvement of dialyzer compatibility by reduction of membrane surface area. Schaefer RM, et al. **Clin Nephrol** 1986;26 Suppl 1:S35–8

Research on dialyzers with improved biocompatibility. van der Steen A. **Clin Nephrol** 1986;26 Suppl 1:S39–42

Mussel adhesive protein: permeability characteristics when used as a basement membrane. Green K, et al. **Curr Eye Res** 1987 Jun;6(6):835–8

Polyvinyl chloride membrane as a temporary fascial substitute. Kaufmann CR, et al. **Curr Surg** 1987 Jan–Feb; 44(1):31–4

Kinetics of binding of lucensomycin to natural and artificial membranes. Capuozzo E, et al. **Eur J Biochem** 1987 Aug 17;167(1):59–64

The effect of cytochrome c oxidase on lipid polymorphism of model membranes containing cardiolipin. Rietveld A, et al. **Eur J Biochem** 1987 Apr 1;164(1):137–40

Hematopoiesis on cellulose ester membranes (CEM). X. Effects of in vitro irradiation of stromal cells prior to application on CEM. Knospe WH, et al. **Exp Hematol** 1986 Nov;14(10):975–80

Lipid vesicles and membranes. **Faraday Discuss Chem Soc** 1986;(81):1–371

Surfactant-water interactions in lamellar phases. An equilibrium binding description of interbilayer forces. Carvell M, et al. **Faraday Discuss Chem Soc** 1986; (81):223–37

Physicochemical studies of vesicles and biomembranes. Spectroscopic studies and phospholipid polymers. Chapman D, et al. **Faraday Discuss Chem Soc** 1986; (81):107–16

Studies of membrane heterogeneity using fluorescence associative techniques. Davenport L, et al. **Faraday Discuss Chem Soc** 1986;(81):81–94

A study of phospholipid phosphate groups in model membranes by Fourier transform infrared spectroscopy. Goñi FM, et al. **Faraday Discuss Chem Soc** 1986;(81):117–26

Biocompatibility of various dialyzer membranes. The effects of the dialyzer membranes on the lymphocyte subpopulation during hemodialysis. Miyazawa S, et al. **Fukuoka Igaku Zasshi** 1986 Jul;77(7):366–72

Efficacy of commercial condoms in the prevention of hepatitis B virus infection. Minuk GY, et al. **Gastroenterology** 1987 Oct;93(4):710–4

Electrical stability of artificial membranes. Vladimirov YuA, et al. **Gen Physiol Biophys** 1986 Jun;5(3):231–42

Islet transplantation in experimental diabetes of the rat. XI: In vitro tests on artificial membrane applied in islet transplantation. Zekorn T, et al. **Horm Metab Res** 1987 Feb;19(2):87–8

Cell growth and hemoglobin synthesis in murine erythroleukemic cells propagated in high density microcapsule culture. Jarvis AP Jr, et al. **In Vitro Cell Dev Biol** 1986 Oct;22(10):589–96

Biofiltration. Marrakech Symposium, November 1985. Proceedings. **Int J Artif Organs** 1986 Dec;9 Suppl 3:1–152

Clearances and solutes extraction in biofiltration and hemodialysis with the AN 69 S. Bertoli S, et al. **Int J Artif Organs** 1986 Dec;9 Suppl 3:121–2

The new AN69 membrane in biofiltration (BF): 18 month's follow-up. Bova C, et al. **Int J Artif Organs** 1986 Dec;9 Suppl 3:63–5

Hemoperfusion based on artificial cells for aluminium and iron removal, immunosorption, fulminant hepatic failure, uremia, poisoning and metabolic assists. Chang TM. **Int J Artif Organs** 1986 Sep;9(5):285–8

Oxalate depuration during biofiltration with AN69 and in conventional hemodialysis in chronic renal failure (CRF) patients. Chimienti S, et al. **Int J Artif Organs** 1986 Dec; 9 Suppl 3:73–4

Influence of dialysis membranes on the convective transport of middle molecules. De Francisco AL, et al. **Int J Artif Organs** 1986 Nov;9(6):421–6

Is 3000 S Hospal a suitable dialyzer to shorten dialysis time schedule? A cooperative study on biofiltration. Fuiano G, et al. **Int J Artif Organs** 1986 Dec;9 Suppl 3:31–4

The optimal use of PAN membrane in RDT. Gonella M, et al. **Int J Artif Organs** 1986 Dec;9 Suppl 3:115–6

Removal of denatured proteins with artificial reticulo-endothelial system (ARES). Maeda K, et al. **Int J Artif Organs** 1986 Sep;9(5):337–42

Blood detoxification by membrane plasma filtration. Malchesky PS, et al. **Int J Artif Organs** 1986 Sep; 9(5):349–54

Polycentric 384-month study of biofiltration (BF) with AN69s. Mioli V, et al. **Int J Artif Organs** 1986 Dec;9 Suppl 3:15–6

Use of the AN69-S (Biospal) in conventional hemodialysis (HD) and in biofiltration (BF). Pisani E, et al. **Int J Artif Organs** 1986 Dec;9 Suppl 3:75–7

Biocompatibility of synthetic membranes and blood–membrane interaction [letter] Ronco C, et al. **Int J Artif Organs** 1987 May;10(3):205

Acid-base balance and respiratory response during biofiltration with polyacrylonitrile membrane. Salvadeo A, et al. **Int J Artif Organs** 1986 Dec;9 Suppl 3:43–8

Effects of chronic biofiltration with PAN membranes on acid–base status: polycentric study. Tarchini R, et al. **Int J Artif Organs** 1986 Dec;9 Suppl 3:17–20

In vitro complement-independent activation of human neutrophils by hemodialysis membranes: role of the net electric charge. Tetta C, et al. **Int J Artif Organs** 1987 Mar;10(2):83–8

Bioartificial liver: implanted artificial cells microencapsulated living hepatocytes increases survival of liver failure rats. Wong H, et al. **Int J Artif Organs** 1986 Sep;9(5):335–6

Use of the polytetrafluoroethylene surgical membrane for control of intra-abdominal adhesions. Ratto GB, et al. **Ital J Surg Sci** 1986;16(3):165–71

The effects of cerebrosides on model membrane shape. Curatolo W, et al. **J Biol Chem** 1986 Dec 25; 261(36):17177–82

Evaluation of new membranes for hemodialysis: preliminary

studies with a polycarbonate membrane. Bianchi R, et al. **J Dial** 1979;3(4):383–93
Optimization of antigen presentation to T cell hybridomas by purified Ia molecules in planar membranes. Ia molecule polymorphism determines the antigenic fine specificity of the response to cytochrome c peptides. Quill H, et al. **J Immunol Methods** 1987 Apr 2;98(1):29–41
The nonspecific protein binding of polymeric microporous membranes. Pitt AM. **J Parenter Sci Technol** 1987 May–Jun;41(3):110–3
Ultrasonically activated gas-filled micropores release hemoglobin and antigens from human erythrocytes in vitro. Miller DL, et al. **J Ultrasound Med** 1987 May;6(5):231–6
Blood–membrane interaction in hemodialysis leads to increased cytokine production. Luger A, et al. **Kidney Int** 1987 Jul;32(1):84–8
Cuprophan reuse and intradialytic changes of lung diffusion capacity and blood gases. Vanholder RC, et al. **Kidney Int** 1987 Jul;32(1):117–22
Haemodialysis–membrane–induced phagocyte oxidative metabolism activation and interleukin–1 production. Descampe–Latscha B, et al. **Life Support Syst** 1986 Oct–Dec;4(4):349–53
Heparin responses and kinetic evaluations in cuprophan and polyacrylonitril haemodialysis. Mauri JM, et al. **Life Support Syst** 1987 Jan–Mar;5(1):13–7
Separation of plasma from whole blood by membrane filtration in oscillatory flows. Stairmand JW, et al. **Life Support Syst** 1986 Jul–Sep;4(3):193–204
The Donnan effect in artificial kidney therapy. Stiller S, et al. **Life Support Syst** 1986 Oct–Dec;4(4):305–18
Removal of bacteria from blood. Marks DH, et al. **Milit Med** 1987 Mar;152(3):156–60
Determinants of plasma beta 2 microglobulin concentration: possible relation to membrane biocompatibility. Bommer J, et al. **Nephrol Dial Transplant** 1987;2(1):22–5
Beta 2–microglobulin kinetics during haemodialysis and haemofiltration. Flöge J, et al. **Nephrol Dial Transplant** 1987;1(4):223–8
Varying methods of sterilisation, and their effects on the structure and permeability of dialysis membranes. Takesawa S, et al. **Nephrol Dial Transplant** 1987;1(4):254–7
Hypersensitivity reactions related to acetate dialyzate and cellulose acetate membrane. Caravaca F, et al. **Nephron** 1987;45(2):158–9
Plasma levels of main granulocyte components in patients dialyzed with polycarbonate and cuprophan membranes. Hörl WH, et al. **Nephron** 1987;45(4):272–6
Serum angiotensin–converting enzyme during haemodialysis: effect of membrane biocompatibility [letter] Maher ER, et al. **Nephron** 1987;45(4):328
Enhanced platelet aggregation and membrane biocompatibility: possible influence on thrombosis and embolism in hemodialysis patients. Simon P, et al. **Nephron** 1987;45(2):172–3
Glycolipid modulation of membrane adhesion. Brewer GJ, et al. **Neurochem Res** 1986 Sep;11(9):1321–31
Photomodification of biological membranes with emphasis on singlet oxygen mechanisms. Valenzeno DP. **Photochem Photobiol** 1987 Jul;46(1):147–60 (143 ref.)
An experimental study on prevention of postlaminectomy scar formation by the use of new materials. Mikawa Y, et al. **Spine** 1986 Oct;11(8):843–6
Analysis of single channel currents with a microprocessor based device. Schreibmayer W, et al. **Z Naturforsch [C]** 1987 Mar;42(3):173–7
[Artificial membrane study of the membrane potential in the presence of serum proteins] Uzunova P, et al. **Eksp Med Morfol** 1987;26(1):32–6 (Eng. Abstr.) **(Bul)**
[Artificial cells in medicine and biotechnology] Chang TM. **Cas Lek Cesk** 1987 Jan 3;126(1):6–10 (Eng. Abstr.) **(Cze)**
[Concept and study of a new membrane for simulating passive absorption] Barthélémy C, et al. **Farmaco [Prat]** 1986 Nov; 41(11):363–76 (Eng. Abstr.) **(Fre)**
[Quantitative evaluation of low–flow rate hemodialysis with sequential use of 2 membranes of differing permeability] Canaud B, et al. **Neyhrologie** 1986;7(3):119–22 (Eng. Abstr.) **(Fre)**
[Hemodialysis: justification of a dynamic strategy (letter)] Foissac–Gegoux P. **Presse Med** 1987 Jun 27;16(25):1246 **(Fre)**
[Monensin, an electrically charged carboxyl ionophor, and its neutral methylester as ion active components for Na+ selective disk electrodes] Schindler JG, et al. **Bioned Tech (Berlin)** 1987 Jan–Feb;32(1–2):22–4 (Eng. Abstr.) **(Ger)**
[Effect of plasmapheresis treatment with a membrane filter on various parameters of hemostasis] Zurborn KH, et al. **Med Klin** 1987 Jul 17;82(15–16):509–14 (Eng. Abstr.) **(Ger)**
[Removal of aluminum in hemodialysis with a high–efficiency filter. 6–month follow–up] Ortensia A, et al. **Minerva Urol Nefrol** 1987 Apr–Jun;39(2):147–8 **(Ita)**
[Changes in leukocyte counts using a cellulose acetate membrane (FB–T) during hemodialysis. A comparison with a cuprophane membrane] Pak K, et al. **Hinyokika Kiyo** 1986 Sep;32(9):1231–5 (Eng. Abstr.) **(Jpn)**
[Conformational changes and oscillation process of electric resistance in a millipore DOPH model membrane] Misawa K, et al. **Iyodenshi To Seitai Kogaku** 1986 Sep;24(5):304–9 (Eng. Abstr.) **(Jpn)**
[Development of an influenza vaccine using an artificial membrane] Nerome K. **Nippon Rinsho** 1986 Aug; 44(8):1902–11 (9 ref.) **(Jpn)**
[Comparative characteristics of the ultrafiltration properties of the Kuprofan and Ul'tratsell membranes in open–heart surgery with artificial circulation] Lur'e GO, et al. **Anesteziol Reanimatol** 1987 Mar–Apr;(2):15–8 (Eng. Abstr.) **(Rus)**
[Synthesis of polymerizable phospholipid derivatives and creation of polymer monolayers and liposomes with immobilized bacteriorhodopsin] Zaitsev SIu, et al. **Bioorg Khim** 1986 Dec;12(12):1675–7 (Eng. Abstr.) **(Rus)**
[Use of an acetylcellulose membrane as a base for passive immunodiffusion] Saidov MZ. **Lab Delo** 1986;(8):493–5 (Eng. Abstr.) **(Rus)**
[Determination of diffusion coefficients in a solution by the transport of a solute through porous membranes] Polotskii AE, et al. **Priki Biokhim Mikrobiol** 1987 Jan–Feb; 23(1):125–30 (Eng. Abstr.) **(Rus)**
[Growth of Mycobacterium tuberculosis L forms on semipermeable cellophane membranes] Bil'ko IP. **Probl Tuberk** 1986;(8):61–3 (Eng. Abstr.) **(Rus)**
[Treatment of patients with odontogenic phlegmons using the properties of semipermeable membranes] Levenets AA, et al. **Stomatologiia (Mosk)** 1986 Sep–Oct;65(5):38–9 (Eng. Abstr.) **(Rus)**
[Systemic reaction of leukocytes after contact between the blood and the cuprofan membrane of dialyzer DIP–O2–O2] Iarmolinskii IS, et al. **Urol Nefrol (Mosk)** 1987 Jan–Feb; (1):43–5 (Eng. Abstr.) **(Rus)**
[Hemodiafiltration using a polysulfone membrane, its ultrafiltration characteristics and biocompatibility] Iarmolinskii IS, et al. **Urol Nefrol (Mosk)** 1987 Mar–Apr; (2):45–9 (Eng. Abstr.) **(Rus)**
[Multichannel device for water research using membrane filters] Bychenko GI, et al. **Voen Med Zh** 1986 Nov;(11):66 **(Rus)**
[Permeability of cuprophane membranes to pyrogens in capillary dialyzers] Vilacki M, et al. **Med Pregl** 1986; 39(7–8):355–7 (Eng. Abstr.) **(Scr)**

MEMBRANES, INTRACELLULAR see **INTRACELLULAR MEMBRANES**

MEMORY

Comparison of fronto–frontal and temporo–parietal unilateral non–dominant ECT. A retrograde memory study. Widepalm K. **Acta Psychiatr Scand** 1987 Apr;75(4):441–4
Remembered duration: imagery processes and contextual encoding. Block RA. **Acta Psychol (Amst)** 1986 Jun; 62(2):103–22
Gestalt grouping effects in locating past events on timelines. Kemp S. **Acta Psychol (Amst)** 1987 Feb;64(2):139–49
Memory for spatial location in two–dimensional arrays. Lindberg E, et al. **Acta Psychol (Amst)** 1987 Feb; 64(2):151–66
Descriptions: a model of nonstrategic memory development. Ackerman BP. **Adv Child Dev Behav** 1987;20:143–83
Content knowledge: its role, representation, and restructuring in memory development. Chi MT, et al. **Adv Child Dev Behav** 1987;20:91–142 (147 ref.)
Reactivation of infant memory: implications for cognitive development. Rovee–Collier C, et al. **Adv Child Dev Behav** 1987;20:185–238
Hypnosis and memory: the effects of emotional arousal. Baker RA, et al. **Am J Clin Hypn** 1987 Jan;29(3):177–84
On the use of hypnosis to find lost objects: a case report of a tandem hypnotic technique. Kluft RP. **Am J Clin Hypn** 1987 Apr;29(4):242–8
The reliability of dietary history from the distant past. Byers T, et al. **Am J Epidemiol** 1987 Jun;125(6):999–1011
Validity of food consumption histories in a foodborne outbreak investigation. Decker MD, et al. **Am J Epidemiol** 1986 Nov;124(5):859–63
Accuracy of patient recall for date of peripheral intravenous catheter insertion. Vlahov D, et al. **Am J Infect Control** 1987 Feb;15(1):26–8
Encoding, storage, and retrieval components of associative memory deficits of mildly mentally retarded adults. Gutowski WE, et al. **Am J Ment Defic** 1987 Jul;92(1):85–93
The color isolation effect in free recall by adults with Down syndrome. Huang IN, et al. **Am J Ment Defic** 1987 Jul; 92(1):115–8
Mentally retarded and nonretarded adults' memory for spatial location. Nigro GN, et al. **Am J Ment Defic** 1987 Jan; 91(4):392–7
Auditory and visual memory span: cognitive processing by TMR individuals with Down syndrome or other etiologies. Varnhagen CK, et al. **Am J Ment Defic** 1987 Jan; 91(4):398–405
Preference, familiarity, and recognition after repeated brief exposures to random geometric shapes. Bonanno GA, et al. **Am J Psychol** 1986 Fall;99(3):403–15
Truly incidental encoding of frequency information. Hasher L, et al. **Am J Psychol** 1987 Spring;100(1):69–91
Echoic and retrieval accounts of the long–term modality effect tested using the suffix procedure. Huang ST, et al. **Am J Psychol** 1986 Winter;99(4):453–70
Cognitive effort and the word frequency effect in recognition and lexical decision. Mutter SA, et al. **Am J Psychol** 1987 Spring;100(1):93–116
Hypermnesia occurs in recall but not in recognition. Payne DG, et al. **Am J Psychol** 1987 Summer;100(2):145–65
Avoidance of recall during general anesthesia for cesarean section [letter] Gould DB. **Anesth Analg** 1987 Jan;66(1):98
Age at menarche based on recall information. Hediger ML, et al. **Ann Hum Biol** 1987 Mar–Apr;14(2):133–42
Transplantation of nucleus basalis magnocellularis cholinergic neurons into the cholinergic–depleted cerebral cortex. Morphological and behavioral effects. Arendash GW, et al. **Ann NY Acad Sci** 1987;495:431–43
Human learning and memory. Johnson MK, et al. **Annu Rev Psychol** 1987;38:631–68 (465 ref.)
Differential effects of imaginal and motor encoding on the recall of action phrases. Engelkamp J, et al. **Arch Psychol (Frankf)** 1986;138(4):261–72
A method for the recovery of mishap related events lost to amnesia. Levy RA. **Aviat Space Environ Med** 1987 Mar; 58(3):257–9
Investigations into the neuropharmacological basis of temporal stages of memory formation in mice trained in an active avoidance task. Mizumori SJ, et al. **Behav Brain Res** 1987 Mar;23(3):239–50
Novel experience prior to training attenuates the amnestic effects of posttraining ECS. McGaugh JL, et al. **Behav Neurosci** 1987 Apr;101(2):296–9
Less–than–expected variability in evidence for three stages in memory formation. Roberts S. **Behav Neurosci** 1987 Feb; 101(1):120–30
Development of interocular equivalence in rats trained on a distal–cue navigation task. Rudy JW, et al. **Behav Neurosci** 1987 Feb;101(1):141–3
Memory dysfunction and word priming in dementia and amnesia. Shimamura AP, et al. **Behav Neurosci** 1987 Jun; 101(3):347–51
Molecular biological approaches to the relationship between short–term and long–term memory in Aplysia. Schacher S, et al. **Biochem Soc Trans** 1987 Feb;15(1):125–6
Control of eye movements by working memory load. Fleischer AG. **Biol Cybern** 1986;55(4):227–38
Some algebraic relations between involutions, convolutions, and correlations, with applications to holographic memories. Schönemann PH. **Biol Cybern** 1987; 56(5–6):367–74
Performance of chronic schizophrenics on matched word and design recall tasks. Calev A, et al. **Biol Psychiatry** 1987 Jun;22(6):699–709
Mediational factors underlying cognitive changes and laterality in affective illness. Sapin LR, et al. **Biol Psychiatry** 1987 Aug;22(8):979–86
"Unlearning" increases the storage capacity of content addressable memories. Kleinfeld D, et al. **Biophys J** 1987 Jan;51(1):47–53
Some comments on the technical acceptability of Warrington's Recognition Memory Test. Kapur N. **Br J Clin Psychol** 1987 May;26 (Pt 2):144–6
Reminiscence: a critical review of the empirical literature. Thornton S, et al. **Br J Clin Psychol** 1987 May;26 (Pt 2):93–111 (33 ref.)
Cued recall in depression. Watts FN, et al. **Br J Clin Psychol** 1987 May;26 (Pt 2):149–50
Clinical tests of memory. Kopelman MD. **Br J Psychiatry** 1986 May;148:517–25
Understanding face recognition. Bruce V, et al. **Br J Psychol** 1986 Aug;77 (Pt 3):305–27
A comparison of some retrograde and anterograde effects of electroconvulsive shock in patients with severe depression. Frith CD, et al. **Br J Psychol** 1987 Feb;78 (Pt 1):53–63
Phonological similarity effects, memory span and developmental reading disorders: the nature of the relationship. Johnston RS, et al. **Br J Psychol** 1987 May; 78 (Pt 2):205–11
Visual memory for pictorial stimuli in a serial choice reaction–time task. Marshall E, et al. **Br J Psychol** 1987 May;78 (Pt 2):213–31
Visual memory and motor programmes: their use by idiot–savant artists and controls. O'Connor N, et al. **Br J Psychol** 1987 Aug;78 (Pt 3):307–23
Effects of concurrent spatial and verbal memory loads on serial position functions of laterally presented letter strings. Bouma A. **Brain Cogn** 1987 Jul;6(3):295–320
Phonological short–term store and the nature of the recency effect: evidence from neuropsychology. Vallar G, et al. **Brain Cogn** 1986 Oct;5(4):428–42
Contextual cuing and memory performance in brain–damaged amnesics and old people. Winocur G, et al. **Brain Cogn** 1987 Apr;6(2):129–41
Lexical retrieval in left and right brain lesioned children. Aram DM, et al. **Brain Lang** 1987 May;31(1):61–87
Separate verbal memory and naming deficits in attention deficit disorder and reading disability. Felton RH, et al. **Brain Lang** 1987 May;31(1):171–84
Organization of and access to semantic memory in aphasia. Koemeda–Lutz M, et al. **Brain Lang** 1987 Mar;30(2):321–37
Hemispheric alpha asymmetries and behavioral responses of aphasic and normal subjects for the recall and recognition of active, passive, and negative sentences. Moore WH Jr. **Brain Lang** 1986 Nov;29(2):286–300
Articulatory rehearsal in Alzheimer type dementia. Morris RG. **Brain Lang** 1987 Mar;30(2):351–62
Script knowledge in right hemisphere–damaged and in

normal elderly adults. Roman M, et al. **Brain Lang** 1987 May;31(1):151–70

Effects of imposed delay of response and item complexity on auditory comprehension by aphasics. Schulte E. **Brain Lang** 1986 Nov;29(2):358–71

Previous exposure to a novel experience enhances performance in two simple memory tests in humans. Chaves ML, et al. **Braz J Med Biol Res** 1986;19(2):211–9

Recognizing familiar faces: the role of distinctiveness and familiarity. Valentine T, et al. **Can J Psychol** 1986 Sep; 40(3):300–5

A life-span study of the interaction of selectivity and knowledge in memory. Azmitia M, et al. **Child Dev** 1987 Feb;58(1):276–81

Young children's recall and reconstruction of audio and audiovisual narratives. Gibbons J, et al. **Child Dev** 1986 Aug;57(4):1014–23

Categorization and memory retrieval by three-month-olds. Hayne H, et al. **Child Dev** 1987 Jun;58(3):750–67

Electrophysiological correlates of infant recognition memory. Nelson CA, et al. **Child Dev** 1986 Dec; 57(6):1483–97

Memory for pictures: a life-span study of the role of visual detail. Pezdek K. **Child Dev** 1987 Jun;58(3):807–15

Normal rates of forgetting of verbal and non-verbal material in Alzheimer's disease. Becker JT, et al. **Cortex** 1987 Mar; 23(1):59–72

The use of language structure by demented patients in a visual search task. Nebes RD, et al. **Cortex** 1987 Mar;23(1):87–98

Alleviation of infantile amnesia in rats by internal and external contextual cues. Richardson R, et al. **Dev Psychobiol** 1986 Sep;19(5):453–62

Young diabetics: memories, current lifestyles and attitudes. Mok JY, et al. **Diabetic Med** 1984 Sep;1(3):227–30

Memory and menstrual cycle. Hartley LR, et al. **Ergonomics** 1987 Jan;30(1):111–20

Reporting words from the eye or the ear: to write or to speak? Morris N, et al. **Ergonomics** 1987 Apr;30(4):665–74

Comparative studies on recognition of faces, mimic and gestures in adolescent and middle-aged schizophrenic patients. Berndl K, et al. **Eur Arch Psychiatry Neurol Sci** 1986;236(2):123–30

Patient recall of induced abortion. Slater PE, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Aug;8(4):185–6

Aging and the use of sentential structure to facilitate word recognition. Holtzman RE, et al. **Exp Aging Res** 1986 Summer;12(2):85–8

Adult age differences in memory for motor versus cognitive activities. Lichty W, et al. **Exp Aging Res** 1986 Winter; 12(4):227–30

Adult age differences in visual word recognition: semantic encoding and episodic retention. Madden DJ. **Exp Aging Res** 1986 Summer;12(2):71–8

The effects of memory elaboration on adult age differences in incidental recall. Rankin JL, et al. **Exp Aging Res** 1986 Winter;12(4):231–4

Age and openness to experience in autobiographical memory. Sperbeck DJ, et al. **Exp Aging Res** 1986 Autumn; 12(3):169–72

Organizational strategies in immediate recall of rapid speech by young and elderly adults. Wingfield A, et al. **Exp Aging Res** 1986 Summer;12(2):79–83

Predictors of recall of medication regimens and recommendations for lifestyle change in elderly patients. Rost K, et al. **Gerontologist** 1987 Aug;27(4):510–5

Toward the separation of memory and hope: applications of psychoanalysis to art in the writings of Martha Wolfenstein. Spitz EH. **Hillside J Clin Psychiatry** 1984; 6(1):91–104

Multiple memory systems and consciousness. Tulving E. **Hum Neurobiol** 1987;6(2):67–80 (131 ref.)

Recall by mothers of the birth weights and feeding of their children. Eaton-Evans J, et al. **Hum Nutr Appl Nutr** 1986 Jun;40(3):171–5

Awareness and recall. Guerra F. **Int Anesthesiol Clin** 1986 Winter;24(4):75–99 (60 ref.)

Reminiscence intervention in nursing homes: what and who changes? Berghorn FJ, et al. **Int J Aging Hum Dev** 1986–87; 24(2):113–27

The effects of previously acquired knowledge on memory for textual information. Byrd M. **Int J Aging Hum Dev** 1986–87;24(3):231–40

The use of organizational strategies to improve memory for prose passages. Byrd M. **Int J Aging Hum Dev** 1986; 23(4):257–65

Age differences in adults' self-reports of memory ability: it depends on how and what you ask. Cavanaugh JC. **Int J Aging Hum Dev** 1986–87;24(4):271–7

Duality, dissociation, and memory creation in highly hypnotizable subjects. Laurence JH, et al. **Int J Clin Exp Hypn** 1986 Oct;34(4):295–310

Hypnotic effects on hypermnesia. Register PA, et al. **Int J Clin Exp Hypn** 1987 Jul;35(3):155–70

The therapeutic use of reminiscence. Poulton JL, et al. **Int J Group Psychother** 1986 Jul;36(3):381–98

Memory bias in clinical anxiety. Mogg K, et al. **J Abnorm Psychol** 1987 May;96(2):94–8

Level of processing as a determinant of hypnotic hypermnesia. Shields IW, et al. **J Abnorm Psychol** 1986 Nov;95(4):358–64

Flashbulb memories of menarche and adult menstrual distress. Pillemer DB, et al. **J Adolesc** 1987 Jun;10(2):187–99

Life events obtained via interview: the effect of time of recall on data obtained in controls and patients with panic disorder. Roy-Byrne P, et al. **J Affective Disord** 1987 Jan–Feb;12(1):57–62

Childhood amnesia: a conceptualization in cognitive–psychological terms. Wetzler SE, et al. **J Am Psychoanal Assoc** 1986;34(3):663–85

Evidence of collective memory: a test of Sheldrake's theory. Mahlberg A. **J Anal Psychol** 1987 Jan;32(1):23–34

Recognition of facial stimuli following an intervening task involving the Identi-kit. Comish SE. **J Appl Psychol** 1987 Aug;72(3):488–91

Multiple spans in transcription typing. Salthouse TA, et al. **J Appl Psychol** 1987 May;72(2):187–96

Logical memory subtest of the Wechsler Memory Scale: age and education norms and alternate-form reliability of two scoring systems. Abikoff H, et al. **J Clin Exp Neuropsychol** 1987 Aug;9(4):435–48

Further cautions in interpretation of comparisons between the WAIS-R and the Wechsler Memory Scale. Larrabee GJ. **J Clin Exp Neuropsychol** 1987 Aug;9(4):456–60

Memory assessment in neuropsychology: theoretical considerations and practical utility. Loring DW, et al. **J Clin Exp Neuropsychol** 1987 Aug;9(4):340–58

Semantic (verbal) and figural memory impairment in alcoholics. Nixon SJ, et al. **J Clin Exp Neuropsychol** 1987 Aug;9(4):311–22

Digit repetition in brain-damaged adults: clinical and theoretical implications. Black FW. **J Clin Psychol** 1986 Sep;42(5):770–82

Performance of psychiatric inpatients and intellectually deficient individuals on a task that assesses the validity of memory complaints. Goldberg JO, et al. **J Clin Psychol** 1986 Sep;42(5):792–5

Utility of half-credit scoring of Russell's revision of the Wechsler Memory Scale. Schear JM. **J Clin Psychol** 1986 Sep;42(5):783–7

Digit symbol performance in mild dementia and depression. Hart RP, et al. **J Consult Clin Psychol** 1987 Apr;55(2):236–8

Rate of forgetting in dementia and depression. Hart RP, et al. **J Consult Clin Psychol** 1987 Feb;55(1):101–5

Memory complaints and abilities among depressed older adults. Williams JM, et al. **J Consult Clin Psychol** 1987 Aug;55(4):595–8

Retention after computer-assisted instruction in intraoral radiography. Wenzel A, et al. **J Dent Educ** 1987 May; 51(5):244–5

Effects of delayed conditioned reinforcement in chain schedules. Royalty P, et al. **J Exp Anal Behav** 1987 Jan; 47(1):41–56

Knowledge and behavior relationships in the memory ability of retarded and nonretarded students. Lukose S. **J Exp Child Psychol** 1987 Feb;43(1):13–24

Common and distinctive features of verbal and pictorial stimuli as determinants of psychophysiological responsivity. Ben-Shakhar G, et al. **J Exp Psychol [Gen]** 1987 Jun;116(2):91–105

Trace susceptibility theory. Chechile RA. **J Exp Psychol [Gen]** 1987 Sep;116(3):203–22

Resolving 20 years of inconsistent interactions between lexical familiarity and orthography, concreteness, and polysemy. Gernsbacher MA. **J Exp Psychol [Gen]** 1984 Jun;113(2):256–81

Structure and process in semantic memory: new evidence based on speed-accuracy decomposition. Kounios J, et al. **J Exp Psychol [Gen]** 1987 Mar;116(1):3–25

Comment on "Memory storage and retrieval processes in category learning". Medin DL. **J Exp Psychol [Gen]** 1986 Dec;115(4):373–81

Memory as assessed by recognition and reading time in normal and memory-impaired people with Alzheimer's disease and other neurological disorders. Moscovitch M, et al. **J Exp Psychol [Gen]** 1986 Dec;115(4):331–47

Accuracy of feeling-of-knowing judgments for predicting perceptual identification and relearning. Nelson TO, et al. **J Exp Psychol [Gen]** 1984 Jun;113(2):282–300

Pictures in sentences: understanding without words. Potter MC, et al. **J Exp Psychol [Gen]** 1986 Sep;115(3):281–94

Semantic priming in young and older adults: evidence for age constancy in automatic and attentional processes. Burke DM, et al. **J Exp Psychol [Hum Percept]** 1987 Feb; 13(1):79–88

Iconic memory, location information, and partial report. Chow SL. **J Exp Psychol [Hum Percept]** 1986 Nov; 12(4):455–65

Auditory sensory storage in relation to the growth of sensation and acoustic information extraction. Cowan N. **J Exp Psychol [Hum Percept]** 1987 May;13(2):204–15

Recognition memory and attentional selection: serial scanning is not enough. Eriksen BA, et al. **J Exp Psychol [Hum Percept]** 1986 Nov;12(4):476–83

Remembrance of sounds past: memory and psychophysical scaling. Ward LM. **J Exp Psychol [Hum Percept]** 1987 May;13(2):216–27

The unattended speech effect: perception or memory? Baddeley A, et al. **J Exp Psychol [Learn Mem Cogn]** 1986 Oct;12(4):525–9

Voice-specific information and the 20-second delayed-suffix effect. Balota DA, et al. **J Exp Psychol [Learn Mem Cogn]** 1986 Oct;12(4):509–16

Remembering left-right orientation of pictures. Bartlett JC, et al. **J Exp Psychol [Learn Mem Cogn]** 1987 Jan; 13(1):27–35

On obtaining episodic priming in a lexical decision task following paired-associate learning. Durgunoğlu AY, et al. **J Exp Psychol [Learn Mem Cogn]** 1987 Apr;13(2):206–22

Memory as a function of attention, level of processing, and automatization. Fisk AD, et al. **J Exp Psychol [Learn Mem Cogn]** 1984 Apr;10(2):181–97

Cognitive impenetrability of memory for orientation. Frederickson RE, et al. **J Exp Psychol [Learn Mem Cogn]** 1987 Apr;13(2):269–77

Probing the time course of representational momentum. Freyd JJ, et al. **J Exp Psychol [Learn Mem Cogn]** 1987 Apr;13(2):259–68

A retrieval account of the long-term modality effect. Glenberg AM. **J Exp Psychol [Learn Mem Cogn]** 1984 Jan; 10(1):16–31

A temporal distinctiveness theory of recency and modality effects. Glenberg AM, et al. **J Exp Psychol [Learn Mem Cogn]** 1986 Jan;12(1):3–15

The information that amnesic patients do not forget. Graf P, et al. **J Exp Psychol [Learn Mem Cogn]** 1984 Jan; 10(1):164–78

Recency and suffix effects in serial recall of musical stimuli. Greene RL, et al. **J Exp Psychol [Learn Mem Cogn]** 1986 Oct;12(4):517–24

Retrieval strategies in recall of natural categories and categorized lists. Gronlund SD, et al. **J Exp Psychol [Learn Mem Cogn]** 1986 Oct;12(4):550–61

Effects of cuing on short-term retention of order information. Healy AF, et al. **J Exp Psychol [Learn Mem Cogn]** 1987 Jul;13(3):413–25

Conceptual masking: the effects of subsequent visual events on memory for pictures. Intraub H. **J Exp Psychol [Learn Mem Cogn]** 1984 Jan;10(1):115–25

Inferences about predictable events. McKoon G, et al. **J Exp Psychol [Learn Mem Cogn]** 1986 Jan;12(1):82–91

Automatic activation of episodic information in a semantic memory task. McKoon G, et al. **J Exp Psychol [Learn Mem Cogn]** 1986 Jan;12(1):108–15

Effects of level of processing and rehearsal on frequency judgments. Maki RH, et al. **J Exp Psychol [Learn Mem Cogn]** 1987 Jan;13(1):151–63

Retrieval constraints on associative elaborations. Marks W. **J Exp Psychol [Learn Mem Cogn]** 1987 Apr;13(2):301–9

Prior knowledge and memory: the episodic encoding of implicitly activated associates and rhymes. Nelson DL, et al. **J Exp Psychol [Learn Mem Cogn]** 1987 Jan;13(1):54–63

Antecedent search processes and the structure of text. O'Brien EJ. **J Exp Psychol [Learn Mem Cogn]** 1987 Apr; 13(2):278–90

Odor recognition: familiarity, identifiability, and encoding consistency. Rabin MD, et al. **J Exp Psychol [Learn Mem Cogn]** 1984 Apr;10(2):316–25

A neuropsychological study of fact memory and source amnesia. Shimamura AP, et al. **J Exp Psychol [Learn Mem Cogn]** 1987 Jul;13(3):464–73

Representation of linear orders. Taylor DA, et al. **J Exp Psychol [Learn Mem Cogn]** 1984 Jan;10(1):61–71

Processing category terms in context: instantiation and the structure of semantic categories. Whitney P, et al. **J Exp Psychol [Learn Mem Cogn]** 1984 Jan;10(1):95–103

Activation and metacognition of inaccessible stored information: potential bases for incubation effects in problem solving. Yaniv I, et al. **J Exp Psychol [Learn Mem Cogn]** 1987 Apr;13(2):187–205

Recognition of concrete and abstract pictures as a function of poststimulus interval. Nagata H. **J Gen Psychol** 1986 Oct;113(4):369–77

Adult age, information processing, and partial report performance. Coyne AC, et al. **J Genet Psychol** 1987 Jun; 148(2):219–24

Memory for sex-role consistent and inconsistent actions in young and old adults. Hess TM, et al. **J Gerontol** 1987 Sep;42(5):505–11

Cue utilization and encoding specificity in picture recognition by older adults. Park DC, et al. **J Gerontol** 1987 Jul; 42(4):423–5

Free recall and word finding ability in normal aging and senile dementia of the Alzheimer's type: the effect of item concreteness. Rissenberg M, et al. **J Gerontol** 1987 May; 42(3):318–22

Memory for object locations in young and elderly adults. Sharps MJ, et al. **J Gerontol** 1987 May;42(3):336–41

Encoding and memory of explicit and implicit information. Zacks RT, et al. **J Gerontol** 1987 Jul;42(4):418–22

Patterns of recall in schizophrenics and normal subjects. Culver LC, et al. **J Nerv Ment Dis** 1986 Oct;174(10):620–3

Relationship of anxiety level and recall of information to the interval between orientation and first patient care day. Lewis LL, et al. **J Nurs Educ** 1987 Mar;26(3):94–8

Relationship between high school student smoking and recognition of cigarette advertisements. Goldstein AO, et al. **J Pediatr** 1987 Mar;110(3):488–91

Repression and the inaccessibility of affective memories. Davis PJ, et al. **J Pers Soc Psychol** 1987 Jan;52(1):155–62

Recall of parental behavior by acute depressives, remitted depressives, and nondepressives. Lewinsohn PM, et al. **J Pers Soc Psychol** 1987 Mar;52(3):611–9

Learning and memory for personality prototypes. Mayer JD, et al. **J Pers Soc Psychol** 1986 Sep;51(3):473–92

Emotional states and memory biases: effects of cognitive priming and mood. Rholes WS, et al.

J Pers Soc Psychol 1987 Jan;52(1):91–9
Person memory and judgments: the impact of information that one is told to disregard. Wyer RS Jr, et al. **J Pers Soc Psychol** 1987 Jul;53(1):14–29
Biochemical mechanisms of memory storage. Alkon DL, et al. **J Physiol (Paris)** 1986;81(4):252–60
Cell and molecular analysis of long-term sensitization in Aplysia. Castellucci VF, et al. **J Physiol (Paris)** 1986; 81(4):349–57
Mechanisms of long-term memory. Eccles JC. **J Physiol (Paris)** 1986;81(4):312–7
Story structure, cohesion, and propositions in story recalls by learning-disabled and nondisabled children. Griffith PL, et al. **J Psycholinguist Res** 1986 Nov;15(6):539–55
Story recall and inferencing skills in language/learning-disabled and nondisabled children. Crais ER, et al. **J Speech Hear Disord** 1987 Feb;52(1):50–5
Accuracy of drinkers' recall of alcohol consumption in a field setting. Meier SE, et al. **J Stud Alcohol** 1987 Jul;48(4):325–8
Memory for anaesthesia [letter] Millar K. **Lancet** 1987 Mar 21;1(8534):688
The curriculum: overloaded and too general? Bordage G. **Med Educ** 1987 May;21(3):183–8
Visual memory and auditory recall in anatomy students. Folan JC, et al. **Med Educ** 1986 Nov;20(6):516–20
The structure of memorized knowledge in students and clinicians: an explanation for diagnostic expertise. Grant J, et al. **Med Educ** 1987 Mar;21(2):92–8
Retention of preclinical knowledge by clinical students. Watt ME. **Med Educ** 1987 Mar;21(2):119–24
Sex differences in eyewitness reports of criminal assaults. MacLeod MD, et al. **Med Sci Law** 1986 Oct;26(4):311–8
Endorphins and memory regulation. Izquierdo I, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;70:237–54
A molecular mechanism for long-term sensitization in Aplysia. Greenberg SM, et al. **Nature** 1987 Sep 3–9; 329(6134):62–5
Neurobiology: molecules underlying memory [news] Kennedy MB. **Nature** 1987 Sep 3–9;329(6134):15–6
A molecular hypothesis on parallel memory function with relevance to senile dementias. Kuttner RE. **Neuropsychobiology** 1986;15(3–4):130–2
Improvement of deficits in mnemonic rhyme for multiplication in Japanese aphasics. Kashiwagi A, et al. **Neuropsychologia** 1987;25(2):443–7
Amnesic sensitivity to proactive interference: its relationship to priming and the causes of amnesia. Mayes AR, et al. **Neuropsychologia** 1987;25(1B):211–20
Episodic, semantic and procedural memory in a case of amnesia at an early age. Ostergaard AL. **Neuropsychologia** 1987;25(2):341–57
Strength and duration of priming effects in normal subjects and amnesic patients. Squire LR, et al. **Neuropsychologia** 1987;25(1B):195–210
Verbal memory and semantic clustering in right brain-damaged patients. Villardita C. **Neuropsychologia** 1987;25(1B):277–80
Sex differences in the relationship of recall to subvocal speech in preschool children. Garrity LI. **Pavlov J Biol Sci** 1979 Jul–Sep;14(3):186–90
Pre-test administration of beta-endorphin, or of electroconvulsive shock reverses the memory disruptive effect of posttraining electroconvulsive shock. Netto CA, et al. **Peptides** 1987 Jul–Aug;8(4):605–8
Trait of anxiety as self-schemata in memory. Barrow VL, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 2):1198
Multiple memory systems: evidence from stroke. Cushman L, et al. **Percept Mot Skills** 1987 Apr;64(2):571–7
Proactive interference and intertrial interval in short-term retention of temporal visual information. Guay M. **Percept Mot Skills** 1986 Oct;63(2 Pt 2):839–46
Reading disability: a hemispheric asymmetry—information processing approach. Kobus DA, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):583–91
Judgement of lateral orientation for previously seen and unseen photographs of faces. McKelvie SJ. **Percept Mot Skills** 1987 Apr;64(2):431–45
Intertrial intervals and visual habituation in neonates. Moshe M, et al. **Percept Mot Skills** 1987 Apr;64(2):619–27
Organizational effects on recall of a movement series by mildly mentally retarded adolescents. Porretta DL. **Percept Mot Skills** 1986 Oct;63(2 Pt 2):775–8
Errors of free recall in senile dementia. Wiegersma S, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):617–8
Influences of familiarity on the processing of faces. Bruce V. **Perception** 1986;15(4):387–97
Retention of reference memory following ischemic hippocampal damage. Davis HP, et al. **Physiol Behav** 1987; 39(6):783–6
Text comprehension among medical students and experienced physicians. A preliminary study. Leclère H, et al. **Proc Annu Conf Res Med Educ** 1984;23:133–8
Neuropeptides and cognitive disorders. Jolles J. **Prog Brain Res** 1986;65:177–92 (94 ref.)
Reminiscence and life review in the elderly. Priefer BA, et al. **Psychiatr Med** 1984 Apr;2(1):91–100
The functions of confabulation [letter] Weinstein EA. **Psychiatry** 1987 Feb;50(1):88–9
Effects of mood and severity on memory processes in depression and mania. Johnson MH, et al. **Psychol Bull** 1987 Jan;101(1):28–40
The role of imagery in memory: on shared and distinctive information. Marschark M, et al. **Psychol Bull** 1987 Jul; 102(1):28–41
Remote memory in a patient with amnesia due to hypoxia. Beatty WW, et al. **Psychol Med** 1987 Aug;17(3):657–65
Information processing in depression and anxiety. Brand N, et al. **Psychol Med** 1987 Feb;17(1):145–53
Verbal and non-verbal recall by depressed and euthymic affective patients. Calev A, et al. **Psychol Med** 1986 Nov; 16(4):789–94
Comparison of intelligence and memory in patients with diffuse and focal injury. Corrigan JD, et al. **Psychol Rep** 1987 Jun;60(3 Pt 1):899–906
Recollection of a transitional object and needs for intimacy and affiliation in adolescents. Lundy A, et al. **Psychol Rep** 1987 Jun;60(3 Pt 1):767–73
Relationship between psychopathology and cognitive functioning in elderly persons. Willner A. **Psychol Rep** 1987 Jun;60(3 Pt 2):1150
A retrieval model for both recognition and recall. Gillund G, et al. **Psychol Rev** 1984 Jan;91(1):1–67
Automatic and controlled processing revisited. Shiffrin RM, et al. **Psychol Rev** 1984 Apr;91(2):269–76
Repetition priming of face recognition. Ellis AW, et al. **Q J Exp Psychol [A]** 1987 May;39(2):193–210
The temporal course of visual pattern encoding: effects of pattern goodness. Howe ES, et al. **Q J Exp Psychol [A]** 1983 Nov;35 Pt 4:607–33
Digit span, reading rate, and linguistic relativity. Naveh-Benjamin M, et al. **Q J Exp Psychol [A]** 1986 Nov; 38(4):739–51
Attentional factors in iconic memory and visible persistence. Orenstein HB, et al. **Q J Exp Psychol [A]** 1987 Feb; 39(1):149–66
Priming effects of amnesia: evidence for a dissociable memory function. Shimamura AP. **Q J Exp Psychol [A]** 1986 Nov; 38(4):619–44 (88 ref.)
A comparison of visual and auditory short-term memory in monkeys (Cebus apella). Colombo M, et al. **Q J Exp Psychol [B]** 1986 Nov;38(4):425–48
Memory for feeding in rats' spatial and visual choice behaviour. Gaffan EA, et al. **Q J Exp Psychol [B]** 1986 Aug;38(3):285–311
Episodic remembering in young adults, 73-year-olds, and 82-year-olds. Bäckman L, et al. **Scand J Psychol** 1986; 27(4):320–5
Cognitive psychology in Scandinavia. Attention, memory, learning and memory dysfunctions. Rönnberg J. **Scand J Psychol** 1986;27(2):95–149 (496 ref.)
The anatomy of memory. Mishkin M, et al. **Sci Am** 1987 Jun;256(6):80–9
Early signs of school age IQ [news] Kolata G. **Science** 1987 May 15;236(4803):774–5
Memory performances before and after transient global amnesia [letter] Stracciari A, et al. **Stroke** 1987 Jul–Aug; 18(4):813–4
[Postanesthetic recall ability, anxiety and dreams in surgical patients. A clinical study] Flier FJ, et al. **Anaesthesist** 1986 Oct;35(10):609–12 (Eng. Abstr.) **(Ger)**
[Effect of conditioned stimuli on learning and recognition] Grabitz HJ, et al. **Arch Psychol (Frankf)** 1986;138(3):201–9 (Eng. Abstr.) **(Ger)**
[Performance increasing effect of self-caused failure: behavioral effects of attributions] Haisch J. **Arch Psychol (Frankf)** 1987;139(1):23–35 (Eng. Abstr.) **(Ger)**
[Memory code for verbally and film-presented action sequences] Riff B, et al. **Arch Psychol (Frankf)** 1986; 138(3):185–99 (Eng. Abstr.) **(Ger)**
[Significance of information processing systems for schizophrenic diseases, exemplified by deficient memory functions] Jost K. **Eur Arch Psychiatry Neurol Sci** 1986; 236(2):67–74 (Eng. Abstr.) **(Ger)**
[Korsakoff amnesia and memory: activation, elaboration and distribution effect] Köhl W. **Z Exp Angew Psychol** 1986; 33(4):605–20 (Eng. Abstr.) **(Ger)**
[Amnesia and responsibility following brain concussion. A study of 70 patients] Lutz FU, et al. **Z Rechtsmed** 1986; 97(1):69–74 (Eng. Abstr.) **(Ger)**
[Memory disorders and classification] Asai M. **Nippon Rinsho** 1987 Feb;45(2):395–407 (57 ref.) **(Jpn)**
[Molecular neurobiology of memory—history and present status] Kuroda Y. **Nippon Rinsho** 1987 Feb;45(2):419–32 (38 ref.) **(Jpn)**
[On the relation between prototype abstraction and exemplar retention in the memory of melodies] Kaida A, et al. **Shinrigaku Kenkyu** 1987 Feb;57(6):365–71 (Eng. Abstr.) **(Jpn)**
[An examination on the relationship between elaboration and to-be-elaborated items in human memory] Takahashi M. **Shinrigaku Kenkyu** 1987 Feb;57(6):357–64 (Eng. Abstr.) **(Jpn)**
[Use of the demonstrative method for the quantitative evaluation of food intake] Monteiro MC, et al. **Arch Latinoam Nutr** 1986 Jun;36(2):260–7 (Eng. Abstr.) **(Por)**

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Effect of a spirocyclic cyclodipeptide derivate of MIF on passive avoidance behavior and amnesia in rats. Krejčí I, et al. **Act Nerv Super (Praha)** 1986 Dec;28(4):241–6
Effects of meclofenoxate on learning and memory—dependence on the experimental conditions. Mosharrof AH, et al. **Acta Physiol Pharmacol Bulg** 1986; 12(3):7–14
Effects of amantadine and trihexyphenidyl on memory in elderly normal volunteers. McEvoy JP, et al. **Am J Psychiatry** 1987 May;144(5):573–7
Diazepam-induced amnesia: a neuropharmacological model of an "organic amnestic syndrome". Wolkowitz OM, et al. **Am J Psychiatry** 1987 Jan;144(1):25–9
Memory of cardiac anaesthesia. Psychological sequelae in cardiac patients of intra-operative suggestion and operating room conversation. Goldmann L, et al. **Anaesthesia** 1987 Jun;42(6):596–603
Formaldehyde impairs memory, equilibrium, and dexterity in histology technicians: effects which persist for days after exposure. Kilburn KH, et al. **Arch Environ Health** 1987 Mar–Apr;42(2):117–20
Memory facilitation by histamine. de Almeida MA, et al. **Arch Int Pharmacodyn Ther** 1986 Oct;283(2):193–8
Effects of cholinergic enhancement therapies on memory function in Alzheimer's disease: a meta-analysis of the literature. Jorm AF. **Aust NZ J Psychiatry** 1986 Jun; 20(2):237–40
Pre-training adrenaline recovers the amnestic effect of Met-enkephalin in demedullated rats. Conte CO, et al. **Behav Brain Res** 1986 Aug;21(2):163–6
Neonatal administration of vasopressin antiserum induces long-term deficits on active and passive avoidance behaviour in rats. Moratalla R, et al. **Behav Brain Res** 1987 Mar;23(3):231–7
The effect of substance P and its fragments on passive avoidance retention and brain monoamine activity. Pelleymounter MA, et al. **Behav Brain Res** 1986 Aug; 21(2):119–27
Near-total loss of 'learning' and 'memory' as a result of combined cholinergic and serotonergic blockade in the rat. Vanderwolf CH. **Behav Brain Res** 1987 Jan;23(1):43–57
Glucose effects on memory: behavioral and pharmacological characteristics. Gold PE, et al. **Behav Neural Biol** 1986 Sep;46(2):145–55
Effect of novel experiences on retention of inhibitory avoidance behavior in mice: the influence of previous exposure to the same or another experience. Izquierdo I, et al. **Behav Neural Biol** 1987 Mar;47(2):109–15
Memory improvement by glucose, fructose, and two glucose analogs: a possible effect on peripheral glucose transport. Messier C, et al. **Behav Neural Biol** 1987 Jul;48(1):104–27
Anisomycin impairs long-term working memory in a delayed alternation task. Mizumori SJ, et al. **Behav Neural Biol** 1987 Jan;47(1):1–6
Spatial learning in the rat: impairment induced by the thiol-proteinase inhibitor, leupeptin, and an analysis of [3H]glutamate receptor binding in relation to learning. Morris RG, et al. **Behav Neural Biol** 1987 May;47(3):333–45
Pharmacological dissociation of memory: anisomycin, a protein synthesis inhibitor, and leupeptin, a protease inhibitor, block different learning tasks. Stäubli U, et al. **Behav Neural Biol** 1985 May;43(3):287–97
Vasopressin analogue (DDAVP) facilitates recall of narrative prose. Beckwith BE, et al. **Behav Neurosci** 1987 Jun; 101(3):429–32
Previous experience disrupts atropine-induced stereotyped "trapping" in ratsDeVietti TL, et al. **Behav Neurosci** 1985 Dec;99(6):1128–41
Preexposure and extinction effects of lithium chloride induced taste-potentiated aversions for spatially contiguous auditory food cues in rats. Ellins SR, et al. **Behav Neurosci** 1987 Apr;101(2):164–9
Role of noradrenergic function in the opiate antagonist facilitation of spatial memory. Fanelli RJ, et al. **Behav Neurosci** 1985 Aug;99(4):751–5
Epinephrine-induced learning under anesthesia: retention performance at several training-testing intervals. Gold PE, et al. **Behav Neurosci** 1985 Oct;99(5):1019–22
Greater task difficulty amplifies the facilitatory effect of des-glycinamide arginine vasopressin on appetitively motivated learning. Messing RB, et al. **Behav Neurosci** 1985 Dec;99(6):1114–9
Long-term working memory in the rat: effects of hippocampally applied anisomycin. Mizumori SJ, et al. **Behav Neurosci** 1985 Apr;99(2):220–32
Tranquillising memories: a review of the effects of benzodiazepines on human memory. Curran HV. **Biol Psychol** 1986 Oct;23(2):179–213 (108 ref.)
Midazolam: kinetics and effects on memory, sensorium, and haemodynamics. Langlois S, et al. **Br J Clin Pharmacol** 1987 Mar;23(3):273–8
Differential effects of the anxiolytic drugs, diazepam and buspirone, on memory function. Lucki I, et al. **Br J Clin Pharmacol** 1987 Feb;23(2):207–11
Hyperactivity, drugs and attention to features in a story. Hartley L. **Br J Clin Psychol** 1986 Sep;25 (Pt 3):233–4
Effects of alcohol on word categorization and recognition memory. Maylor EA, et al. **Br J Psychol** 1987 May;78 (Pt 2):233–9
Delayed memory dysfunction by transient hypoxia, and its prevention with forskolin. Ando S, et al. **Brain Res** 1987 Mar 10;405(2):371–4
AF64A (ethylcholine aziridinium ion), a cholinergic neurotoxin, selectively impairs working memory in a multiple component T-maze task. Chrobak JJ, et al. **Brain Res** 1987 Jun 23;414(1):15–21
Selectivity of pirenzepine in the central nervous system. II.

Differential effects of pirenzepine and scopolamine on performance of a representational memory task. Messer WS Jr, et al. **Brain Res** 1987 Mar 24;407(1):37–45

Effects of dehydroepiandrosterone and its sulfate on brain tissue in culture and on memory in mice. Roberts E, et al. **Brain Res** 1987 Mar 17;406(1–2):357–62

Lithium and memory: a review. Ananth J, et al. **Can J Psychiatry** 1987 May;32(4):312–6

Effects of oral physostigmine and lecithin on memory and attention in closed head–injured patients. Levin HS, et al. **Cent Nerv Syst Trauma** 1986 Fall;3(4):333–42

The effect of low–level prenatal methylmercury exposure on visual recognition memory in infant crab–eating macaques. Gunderson VM, et al. **Child Dev** 1986 Aug; 57(4):1076–83

Memory: peptide, neurotransmitters and drug influences. McGaugh J, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:289–91

Effects of oxiracetam on learning and memory in animals: comparison with piracetam. Mondadori C, et al. **Clin Neuropharmacol** 1986;9 Suppl 3:S27–38

Replacement of chronically administered anticholinergic drugs by amantadine in outpatient management of chronic schizophrenia. McEvoy JP, et al. **Clin Ther** 1987; 9(4):429–33

Effects of single oral doses of clobazam, diazepam and lorazepam on performance tasks and memory. Patat A, et al. **Eur J Clin Pharmacol** 1987;32(5):461–6

Arginine vasopressin innoculates against age–related increases in sodium–dependent high affinity choline uptake and discrepancies in the content of temporal memory. Meck WH, et al. **Eur J Pharmacol** 1986 Nov 4;130(3):327–31

Epinephrine–induced memory facilitation: attenuation by adrenoceptor antagonists. Sternberg DB, et al. **Eur J Pharmacol** 1986 Sep 23;129(1–2):189–93

Naloxone and [Met5]enkephalin effects on retention: attenuation by adrenal denervation. Zhang SY, et al. **Eur J Pharmacol** 1987 Jun 12;138(1):37–44

Failure of chronic physostigmine to ameliorate working memory deficits after medial septal lesions. Parsons DS, et al. **Exp Neurol** 1987 May;96(2):456–61

Amnesic and anxiolytic effects of intravenous diazepam in dental anxiety. File SE, et al. **Int Clin Psychopharmacol** 1986 Jan;1(1):66–73

Animal and clinical studies of vasopressin effects on learning and memory. Hamburger–Bar R, et al. **Isr J Med Sci** 1987 Jan–Feb;23(1–2):12–8

Effects of lithium carbonate on the memory and motor speed of bipolar outpatients. Shaw ED, et al. **J Abnorm Psychol** 1987 Feb;96(1):64–9

Effects of methylphenidate on adolescents with a childhood history of attention deficit disorder: II. Information processing. Coons HW, et al. **J Am Acad Child Adolesc Psychiatry** 1987 May; 26(3):368–74

A comparison of amnesia in outpatients sedated with midazolam or diazepam alone or in combination with fentanyl during oral surgery. Ochs MW, et al. **J Am Dent Assoc** 1986 Dec;113(6):894–7

Effects of carbon dioxide on mental performance. Sayers JA, et al. **J Appl Physiol** 1987 Jul;63(1):25–30

Mnemonic effects of asthma medication in children. Suess WM, et al. **J Asthma** 1986;23(6):291–6

Anxiolytics and memory: a comparison of lorazepam and alprazolam. Kumar R, et al. **J Clin Psychiatry** 1987 Apr; 48(4):158–60

A double–blind crossover comparison of antiparkinson drug therapy: amantadine versus anticholinergics in 90 normal volunteers, with an emphasis on differential effects on memory function. McEvoy JP. **J Clin Psychiatry** 1987 Sep; 48 Suppl:20–3

Caffeine and memory performance on the AVLT. Terry WS, et al. **J Clin Psychol** 1986 Nov;42(6):860–3

Is event frequency encoded automatically? The case of alcohol intoxication. Birnbaum IM, et al. **J Exp Psychol [Learn Mem Cogn]** 1987 Apr;13(2):251–8

Intact retention in acute alcohol amnesia. Hashtroudi S, et al. **J Exp Psychol [Learn Mem Cogn]** 1984 Jan;10(1):156–63

Anaesthesia, amnesia, dreams and awareness [editorial] Davis R. **Med J Aust** 1987 Jan 5;146(1):4–5

Effects of meclofenoxate and Extr. Rhodiolae roseae L. on electroconvulsive shock–impaired learning and memory in rats. Lazarova MB, et al. **Methods Find Exp Clin Pharmacol** 1986 Sep;8(9):547–52

Difference in learning and retention by Albino–Swiss mice. Part IV. Effect of some nutrients. Valzelli L, et al. **Methods Find Exp Clin Pharmacol** 1987 Jan;9(1):5–8

Participation of angiotensin II in learning and memory. III. Interactions of angiotensin II with GABAergic drugs. Yonkov D, et al. **Methods Find Exp Clin Pharmacol** 1987 Apr;9(4):205–8

Amelioration of cholinergic neuron atrophy and spatial memory impairment in aged rats by nerve growth factor. Fischer W, et al. **Nature** 1987 Sep 3–9;329(6134):65–8

Neurochemical dissociation of memory systems. Nissen MJ, et al. **Neurology** 1987 May;37(5):789–94

Effects of vasopressin and desmopressin on memory. A double–blind study in 40 healthy volunteers. Guard O, et al. **Neuropsychobiology** 1986;15(2):80–3

Some considerations of different modes of action of nootropic drugs. Sarter M. **Neuropsychobiology** 1986;15(3–4):192–200

Influence of a cyclic enkephalin analog on learning and memory in mice. Getsova VM, et al. **Neurosci Behav Physiol** 1986 Sep–Oct;16(5):370–6

Effects of benzodiazepines on acquisition and performance: a critical assessment. Cole SO. **Neurosci Biobehav Rev** 1986 Fall;10(3):265–72 (106 ref.)

Centrally injected arginine vasopressin (AVP) facilitates social memory in rats. Le Moal M, et al. **Neurosci Lett** 1987 Jun 26;77(3):353–9

Mood, memory, and motor performance and the severity of tardive dyskinesia. Gilleard CJ, et al. **Percept Mot Skills** 1986 Dec;63(3):1037–8

Amnesia produced by intracerebroventricular injections of hemicholinium–3 in mice was prevented by pretreatment with piracetam–like compounds. Franklin SR, et al. **Pharmacol Biochem Behav** 1986 Oct;25(4):925–7

Time–related memory effects of vasopressin analogues in rats. Gaffori OJ, et al. **Pharmacol Biochem Behav** 1986 Dec; 25(6):1125–9

Effect of testosterone on intermediate memory in day–old chicks. Gibbs ME, et al. **Pharmacol Biochem Behav** 1986 Oct;25(4):823–6

Chronic haloperidol effects on oral movements and radial–arm maze performance in rats. Levin ED, et al. **Pharmacol Biochem Behav** 1987 Jan;26(1):1–6

Effects of age on antidepressant kinetics and memory in Fischer 344 rats. McMahon TF, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):313–9

Neurochemical and behavioral effects of N–ethyl–acetylcholine aziridinium chloride in mice. Pope CN, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):365–71

The effects of exifone, a new agent for senile memory disorder, on two models of memory in the mouse. Porsolt RD, et al. **Pharmacol Biochem Behav** 1987 Jun;27(2):253–6

Effects of scopolamine on components of delayed response performance in the rat. Viscardi AP, et al. **Pharmacol Biochem Behav** 1986 Sep;25(3):633–9

Effects of gonadal steroids on attack and on memory processing in the domestic chick. Clifton PG, et al. **Physiol Behav** 1986;37(5):701–7

The effects of nicotine upon memory and problem solving performance. Dunne MP, et al. **Physiol Behav** 1986; 37(6):849–54

The effect of trihexphenidyl (Artane) on memory in schizophrenic patients. Fennig S, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(1):71–8

Mescaline action on "memory decay" and "problem solving" behavior in the rat. Molinengo L, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1986; 10(6):709–15

Cholinergic effects on constructional abilities and on mnemonic processes: a case report. Sahakian B, et al. **Psychol Med** 1987 May;17(2):329–33

Effect of diazepam upon verbal recall associated with simple picture recognition. Black IL, et al. **Psychol Rep** 1987 Jun; 60(3 Pt 2):1139–49

Differential effect of posttraining naloxone, beta–endorphin, leu–enkephalin and electroconvulsive shock administration upon memory of an open–field habituation and of a water–finding task. Netto CA, et al. **Psychoneuroendocrinology** 1986;11(4):437–46

Speech blockage, memory impairment, and age: a prospective comparison of amitriptyline and maprotiline. Branconnier RJ, et al. **Psychopharmacol Bull** 1987;23(1):230–4

The effects of amantadine vs. trihexphenidyl on memory in elderly normal volunteers. McEvoy JP, et al. **Psychopharmacol Bull** 1987;23(1):30–2

Anticholinergic effects on memory: benztropine vs. amantadine. Van Putten T, et al. **Psychopharmacol Bull** 1987;23(1):26–9

Enhancement of the memory of a previously learned aversive habit following pre–test administration of a variety of serotonergic antagonists in mice. Altman HJ, et al. **Psychopharmacology (Berlin)** 1986;90(1):24–7

Retrograde memory enhancement by diazepam: its relation to anterograde amnesia, and some clinical implications. Cahill L, et al. **Psychopharmacology (Berlin)** 1986; 90(4):554–6

Differential amnesic properties of benzodiazepines: a dose–response comparison of two drugs with similar elimination half–lives. Curran HV, et al. **Psychopharmacology (Berlin)** 1987;92(3):358–64

Modulation of social memory in male rats by neurohypophyseal peptides. Dantzer R, et al. **Psychopharmacology (Berlin)** 1987;91(3):363–8

Effect of combined or separate administration of piracetam and choline on learning and memory in the rat. Ennaceur A, et al. **Psychopharmacology (Berlin)** 1987;92(1):58–67

Methylphenidate and memory: dissociated effects in hyperactive children. Evans RW, et al. **Psychopharmacology (Berlin)** 1986;90(2):211–6

Fluoxetine enhances memory processing in mice. Flood JF, et al. **Psychopharmacology (Berlin)** 1987;93(1):36–43

Naloxone and beta–endorphin alter the effects of post–training epinephrine on memory. Introini–Collison IB, et al. **Psychopharmacology (Berlin)** 1987;92(2):229–35

Evidence for a possible interaction between noradrenergic and serotonergic neurotransmission in the retrieval of a previously learned aversive habit in mice. Normile HJ, et al. **Psychopharmacology (Berlin)** 1987;92(3):388–92

Some limitations of indices derived from signal detection theory: evaluation of an alternative index for measuring bias in memory tasks. Sahgal A. **Psychopharmacology (Berlin)** 1987;91(4):517–20

Effects of physostigmine on memory test performance in normal volunteers. Smith CM, et al. **Psychopharmacology (Berlin)** 1986;90(3):364–6

Does DGAVP influence memory, attention and mood in young healthy men? Snel J, et al. **Psychopharmacology (Berlin)** 1987;92(2):224–8

Baclofen disrupts passive avoidance retention in rats. Swartzwelder HS, et al. **Psychopharmacology (Berlin)** 1987; 92(3):398–401

Magnesium pemoline and human performance. Cameron DE. **Science** 1967 Aug 25;157(3791):958–9

Modulation of memory processing by cholecystokinin: dependence on the vagus nerve. Flood JF, et al. **Science** 1987 May 15;236(4803):832–4

[Enkephalin and the modulation of memory consolidation. I. Naloxone and met–enkephalin influence on memory consolidation and its alteration by adrenal denervation] Zhang SY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1987 Feb; 9(1):60–4 (Eng. Abstr.) **(Chi)**

[Influence of cigarette nicotine on learning and memory of mice] Liang XY, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jan;7(1):16–8 (Eng. Abstr.) **(Chi)**

[Effects of huperzine A on learning and the retrieval process of discrimination performance in rats] Tang XC, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Nov;7(6):507–11 (Eng. Abstr.) **(Chi)**

[Pharmacological action of Astragalus membranaceus on the central nervous system in mice] Pan SY. **Chung Yao Tung Pao** 1986 Sep;11(9):47–9 **(Chi)**

[Recent progress in the pharmacology of learning and memory in China] Zhang JT. **Yao Hsueh Hsueh Pao** 1986 Aug;21(8):636–40 (28 ref.) **(Chi)**

[Effects on memory and psychomotor performance induced in healthy subjects by 3 hypnotic benzodiazepines (triazolam, flunitrazepam, loprazolam)] Klein MJ, et al. **Therapie** 1986 Jul–Aug;41(4):299–304 (Eng. Abstr.) **(Fre)**

[Effect of lecithin on memory performance. Evaluating the validity of a learning and memory test (LGT–3) in 45 to 55–year–old patients] Sorgatz H. **Fortschr Med** 1986 Sep 11;104(34):643–6 (Eng. Abstr.) **(Ger)**

[Experimental models for studying the avoidance response in mice and the anti–amnesic effect of prolyl endopeptidase inhibitors] Taira K, et al. **Nippon Yakurigaku Zasshi** 1987 May;89(5):243–52 (Eng. Abstr.) **(Jpn)**

[Influence of ACTH on Kamin effect in passive avoidance learning in rats] Furukawa S, et al. **Shinrigaku Kenkyu** 1986 Jun;57(2):62–7 (Eng. Abstr.) **(Jpn)**

[Effect of beta–endorphin on the processes of learning and memory] Riga TN, et al. **Izv Akad Nauk SSSR [Biol]** 1986 Sep–Oct;(5):697–703 (Eng. Abstr.) **(Rus)**

[Effect of an analog of vasopressin on the fixation of temporary connections in the intact rat and after destruction of the locus coeruleus] Kruglikov RI, et al. **Zh Vyssh Nerv Deiat** 1987 Jan–Feb;37(1):95–9 (Eng. Abstr.) **(Rus)**

[Effect of drugs of the nootropic class on rat behavior after deprivation of the paradoxical stage of sleep] Markina NV, et al. **Zh Vyssh Nerv Deiat** 1986 Sep–Oct;36(5):963–7 (Eng. Abstr.) **(Rus)**

[Effect of adriblastin on the processes of learning and memory in the rat] Nurmukhambetov AN, et al. **Zh Vyssh Nerv Deiat** 1986 Jul–Aug;36(4):784–6 **(Rus)**

PHYSIOLOGY

Defective cAMP metabolism and defective memory in Drosophila. Dudai Y, et al. **Acta Biochim Biophys Hung** 1986;21(3):177–92 (24 ref.)

Protein phosphorylation in dunce memory–mutant Drosophila. Friedrich P, et al. **Acta Biochim Biophys Hung** 1986;21(3):193–203 (27 ref.)

Fourth workshop on memory functions. Marstrand, Sweden, May 22–26, 1985. **Acta Neurol Scand [Suppl]** 1986;109:1–128

Kindling: a model for epilepsy and memory. Majkowski J. **Acta Neurol Scand [Suppl]** 1986;109:97–108 (92 ref.)

Retrieval variability: sources and consequences. Miller RR, et al. **Am J Psychol** 1986 Summer;99(2):145–218

Molecular mechanisms for memory: second–messenger induced modifications of protein kinases in nerve cells. Schwartz JH, et al. **Annu Rev Neurosci** 1987;10:459–76 (137 ref.)

Normal memory after damage to medial thalamus. Kritchevsky M, et al. **Arch Neurol** 1987 Sep;44(9):959–62

Impaired retention of preoperatively acquired spatial reference memory in homing pigeons following hippocampal ablation. Bingman VP, et al. **Behav Brain Res** 1987 May;24(2):147–56

Visual learning and retention examined with reversible cold lesions of the anterior temporal lobe. Voytko ML. **Behav Brain Res** 1986 Oct;22(1):25–39

Impairments in the acquisition, retention and selection of spatial navigation strategies after medial caudate–putamen lesions in rats. Whishaw IQ, et al. **Behav Brain Res** 1987 May;24(2):125–38

Odor–aversion learning and retention span in neonatal mouse pups. Alleva E, et al. **Behav Neural Biol** 1986 Nov; 46(3):348–57

Evidence for a possible functional interaction between serotonergic and cholinergic mechanisms in memory retrieval. Altman HJ, et al. **Behav Neural Biol** 1987 Jul;

48(1):49–62
Exponential decay of spatial memory of rats in a radial maze. Bolhuis JJ, et al. **Behav Neural Biol** 1986 Sep;46(2):115–22
Opioid peptidergic systems modulate the activity of beta-adrenergic mechanisms during memory consolidation processes. Introini-Collison IB, et al. **Behav Neural Biol** 1986 Sep;46(2):227–41
Evidence for neocortical involvement in reference memory. Kesner RP, et al. **Behav Neural Biol** 1987 Jan;47(1):40–53
Studies on retrograde and anterograde amnesia of olfactory memory after denervation of the hippocampus by entorhinal cortex lesions. Staubli U, et al. **Behav Neural Biol** 1986 Nov;46(3):432–44
Memory persistence of rats in a radial maze varies with training procedure. Strijkstra AM, et al. **Behav Neural Biol** 1987 Mar;47(2):158–66
Anterograde amnesia induced by hyperthermia in rats. Ahlers ST, et al. **Behav Neurosci** 1987 Jun;101(3):333–40
An age comparison of the rates of acquisition and forgetting of spatial information in relation to long-term enhancement of hippocampal synapses. Barnes CA, et al. **Behav Neurosci** 1985 Dec;99(6):1040–8
Impairment of spontaneous alternation behavior in sequential test procedures following mammillary body lesions in mice: evidence for time-dependeat interference-related memory deficits. Béracochéa DJ, et al. **Behav Neurosci** 1987 Apr; 101(2):187–97
Effects of conditioned fear on responsiveness to pain: long-term retention and reversibility by naloxone. Davis HD, et al. **Behav Neurosci** 1985 Apr;99(2):277–89
Lesions of the middle cerebellar peduncle disrupt acquisition and retention of the rabbit's classically conditioned nictitating membrane response. Lewis JL, et al. **Behav Neurosci** 1987 Apr;101(2):151–7
Discrimination learning requiring different memory components in rats: age and neurochemical comparisons. Lowy AM, et al. **Behav Neurosci** 1985 Aug;99(4):638–51
Stria terminalis lesions attenuate the effects of posttraining naloxone and beta-endorphin on retention. McGaugh JL, et al. **Behav Neurosci** 1986 Dec;100(6):839–44
Consequences of serial cortical, hippocampal, and thalamic lesions and of different lengths of overtraining on the acquisition and retention of learning tasks. Markowitsch HJ, et al. **Behav Neurosci** 1985 Apr;99(2):233–56
Mnemonic theories of hippocampal function. Olton DS, et al. **Behav Neurosci** 1986 Dec;100(6):852–5 (37 ref.)
Memory stages and brain asymmetry in chick learning. Patterson TA, et al. **Behav Neurosci** 1986 Dec; 100(6):856–65
Retention and acquisition of classical trace conditioned responses by rabbits with hippocampal lesions. Port RL, et al. **Behav Neurosci** 1986 Oct;100(5):745–52
Mammillothalamic tracts and representational memory. Thomas GJ, et al. **Behav Neurosci** 1985 Aug;99(4):621–30
Differential effects of posterior septal lesions on dispositional and representational memory [published erratum appears in Behav Neurosci 1987 Feb;101(1):12] Thomas GJ, et al. **Behav Neurosci** 1986 Oct;100(5):712–9
Neurotransmitters and memory: role of cholinergic, serotonergic, and noradrenergic systems. Wenk G, et al. **Behav Neurosci** 1987 Jun;101(3):325–32
Event-related potentials (ERPs) in a learning and memory test. Mäntysalo S, et al. **Biol Psychol** 1986 Aug;23(1):1–20
Relations among age, visual memory, and resting cerebral metabolism in 40 healthy men. Haxby JV, et al. **Brain Cogn** 1986 Oct;5(4):412–27
Dual task performance in children: generalized and lateralized effects of memory encoding upon the rate and variability of concurrent finger tapping. Hiscock M, et al. **Brain Cogn** 1987 Jan;6(1):24–40
The combining of multiple hemispheric resources in learning-disabled and skilled readers' recall of words: a test of three information-processing models. Swanson HL. **Brain Cogn** 1987 Jan;6(1):41–54
Neural activities in the monkey basal ganglia related to attention, memory and anticipation. Hikosaka O, et al. **Brain Dev** 1986;8(4):454–61
Neuronal evidence that inferomedial temporal cortex is more important than hippocampus in certain processes underlying recognition memory. Brown MW, et al. **Brain Res** 1987 Apr 14;409(1):158–62
Separable roles of hippocampal granule cells in forgetting and pyramidal cells in remembering spatial information. Collier TJ, et al. **Brain Res** 1987 Apr 21;409(2):316–28
Scopolamine-disruption of radial arm maze performance: modification by noradrenergic depletion. Decker MW, et al. **Brain Res** 1987 Aug 4;417(1):59–69
Gradients of protein kinase C substrate phosphorylation in primate visual system peak in visual memory storage areas. Nelson RB, et al. **Brain Res** 1987 Jul 28;416(2):387–92
Immunological cross-reactivity of cultured rat hippocampal neurons with goldfish brain proteins synthesized during memory consolidation. Schmidt R, et al. **Brain Res** 1986 Oct 29;386(1-2):245–57
Mnemonic correlates of unit activity in the hippocampus. Wible CG, et al. **Brain Res** 1986 Dec 3;399(1):97–110
Neuron learning to brain organization. Cooper LN. **Cell Biophys** 1986 Dec;9(1-2):103–44
Memory development and neurophysiology: accomplishments and limitations. Goodman GS, et al. **Child Dev** 1987 Jun;58(3):713–7
Neuronal plasticity in the mammalian brain: relevance to behavioral learning and memory. Teyler TJ, et al. **Child Dev** 1987 Jun;58(3):698–712
Cognitive style and order of recall effects in dichotic listening. Mohr E. **Cortex** 1987 Jun;23(2):223–36
Ontogenesis of trace conditioning in young rats: dissociation of associative and memory processes. Moye TB, et al. **Dev Psychobiol** 1987 Jul;20(4):405–14
Neural correlates of encoding in an incidental learning paradigm. Paller KA, et al. **Electroencephalogr Clin Neurophysiol** 1987 Oct; 67(4):360–71
Endogenous ERP components and cognitive constructs. A review. Rösler F, et al. **Electroencephalogr Clin Neurophysiol [Suppl]** 1986;38:51–92 (125 ref.)
Adult age differences in memory: effects of distinctive and common encodings. Rankin JL, et al. **Exp Aging Res** 1986 Autumn;12(3):141–6
Age-related differences in recognition memory for pictures. Trahan DE, et al. **Exp Aging Res** 1986 Autumn; 12(3):147–50
Responses of neurons in the inferior temporal cortex in short term and serial recognition memory tasks. Baylis GC, et al. **Exp Brain Res** 1987;65(3):614–22
Spatial learning and memory following fimbria-fornix transection and grafting of fetal septal neurons to the hippocampus. Nilsson OG, et al. **Exp Brain Res** 1987; 67(1):195–215
Cognitive evoked potentials as modulatory processes in human memory formation and retrieval. Halgren E, et al. **Hum Neurobiol** 1987;6(2):129–39 (76 ref.)
Brain mechanisms and memory. Kinsbourne M. **Hum Neurobiol** 1987;6(2):81–92 (93 ref.)
Neuroanatomy of memory and amnesia: a case for multiple memory systems. Weiskrantz L. **Hum Neurobiol** 1987; 6(2):93–105
Focal and diffuse memory activation assessed by localized indicators of CNS metabolism: the semantic-episodic memory distinction. Wood F. **Hum Neurobiol** 1987; 6(2):141–51 (40 ref.)
Effect of lesion in ventral hippocampus of rats on cognitive mapping. Dhume RA, et al. **Indian J Med Res** 1986 Oct; 84:398–404
Mapping of neuropsychological language parameters at surgery. Ojemann GA. **Int Anesthesiol Clin** 1986 Fall; 24(3):115–31
Central cholinergic systems and the P3 evoked potential. Meador KJ, et al. **Int J Neurosci** 1987 Apr;33(3-4):199–205
Is there eye-position-dependent facilitation of memory? Rosenberg BA, et al. **Int J Neurosci** 1987 Apr; 33(3-4):215–24
A neuronal network model of associative memory and a brain theory. Yang XD. **Int J Neurosci** 1987 May;34(1-2):63–84
Differential access to memory traces in the production of mental experience. Cicogna P, et al. **Int J Psychophysiol** 1986 Nov;4(3):209–16
Biasing of alcoholic Korsakoff patients' semantic memory. Cermak LS, et al. **J Clin Exp Neuropsychol** 1986 Oct; 8(5):543–55
Organization of verbal memory after severe closed-head injury. Levin HS, et al. **J Clin Exp Neuropsychol** 1986 Dec; 8(6):643–56
Neuropsychological and psychological sequelae of shunt surgery in young adults with hydrocephalus. Ogden JA. **J Clin Exp Neuropsychol** 1986 Dec;8(6):657–79
Alternate form reliability and equivalency of the Rey Auditory Verbal Learning Test. Ryan JJ, et al. **J Clin Exp Neuropsychol** 1986 Oct;8(5):611–6
Preserved learning in amnesic patients: perspectives from research on direct priming. Schacter DL, et al. **J Clin Exp Neuropsychol** 1986 Dec;8(6):727–43
Assessing children's memory productions of the Rey-Osterrieth Complex Figure. Waber DP, et al. **J Clin Exp Neuropsychol** 1986 Oct;8(5):563–80
Activation of the opioid and nonopioid analgesic systems: evidence for a memory hypothesis and against the coulometric hypothesis. Grau JW. **J Exp Psychol [Anim Behav]** 1987 Jul;13(3):215–25
Adult age differences in spatial memory: effects of distinctiveness and repeated experience. Bruce PR, et al. **J Gerontol** 1986 Nov;41(6):774–7
Age and practice effects in continuous recognition memory. Le Breck DB, et al. **J Gerontol** 1987 Jan;42(1):89–91
Perceptual elaboration and memory in older adults. Puglisi JT, et al. **J Gerontol** 1987 Mar;42(2):160–2
Memory decline in aged rats: a neuropsychological interpretation. Winocur G. **J Gerontol** 1986 Nov; 41(6):758–63
Are the structural changes in adult Drosophila mushroom bodies memory traces? Studies on biochemical learning mutants. Balling A, et al. **J Neurogenet** 1987 Apr; 4(2-3):65–73
Inhibition of memory in the chick using a monoclonal anti-Thy-1 antibody. Lappuke R, et al. **J Neuroimmunol** 1987 Apr;14(3):317–24
Lateralisation of memory functions in epileptic patients by use of the sodium amytal (Wada) technique. Powell GE, et al. **J Neurol Neurosurg Psychiatry** 1987 Jun;50(6):665–72
The neuroanatomical and neurophysiological basis of learning. Boss BJ. **J Neurosci Nurs** 1986 Oct;18(5):256–64
Axonal transport of receptors: characterization, role in receptor regulation and possible involvement in learning. Laduron PM. **J Recept Res** 1987;7(1-4):417–34
Impairment of memory and changes in neurotransmitters induced by basal forebrain lesion in rats. Araki H, et al. **Jpn J Pharmacol** 1986 Aug;41(4):497–504
Second messenger dualism in neuromodulation and memory [news] Berridge M. **Nature** 1986 Sep 25–Oct 1; 323(6086):294–5
Simulating memory by numbers [news] Maddox J. **Nature** 1987 Jan 1–7;325(6099):11
Cholinergic modulation of human P3 event-related potentials. Hammond EJ, et al. **Neurology** 1987 Feb; 37(2):346–50
Fluctuations in plasma dopamine level impair memory in Parkinson's disease. Huber SJ, et al. **Neurology** 1987 Aug; 37(8):1371–5
The effects of varying cue-load on amnesic and normal cued recall. Jackson HF. **Neuropsychologia** 1986;24(5):681–90
When is between-hemisphere division of labor advantageous? Liederman J, et al. **Neuropsychologia** 1986;24(6):863–74
Comparable performance by man and macaque on memory for pictures. Ringo JL, et al. **Neuropsychologia** 1986; 24(5):711–7
Induction of hippocampal long-term potentiation using physiologically patterned stimulation. Rose GM, et al. **Neurosci Lett** 1986 Sep 12;69(3):244–8
Synaptic plasticity, memory, and learning. In memory of the late Dr. Nakaakira Tsukahara. **Neurosci Res** 1986 Sep; 3(6):469–697
Long-term depression as a memory process in the cerebellum. Ito M. **Neurosci Res** 1986 Sep;3(6):531–9 (45 ref.)
Some principles emerging from the study of short- and long-term memory. Kandel ER, et al. **Neurosci Res** 1986 Sep;3(6):498–520 (72 ref.)
Impairment of glycoprotein fucosylation in rat hippocampus and the consequences on memory formation. Jork R, et al. **Pharmacol Biochem Behav** 1986 Dec;25(6):1137–44
Cholinergic function and memory: extensive inhibition of choline acetyltransferase fails to impair radial maze performance in rats. Wenk G, et al. **Pharmacol Biochem Behav** 1986 Sep;25(3):521–6
Age-related changes in learning and memory in the senescence-accelerated mouse (SAM). Miyamoto M, et al. **Physiol Behav** 1986;38(3):399–406
Behavioral and biochemical effects of nucleus basalis magnocellularis lesions: implications and possible relevance to understanding or treating Alzheimer's disease. Bartus RT, et al. **Prog Brain Res** 1986;70:345–61 (92 ref.)
Neurohypophyseal hormones and behavior. Kovács GL, et al. **Prog Brain Res** 1987;72:109–18 (102 ref.)
Memory and ventricular size in alcoholics. Acker C, et al. **Psychol Med** 1987 May;17(2):343–8
Memory selectivity and unilateral cerebral dysfunction. Master DR, et al. **Psychol Med** 1986 Nov;16(4):781–8
Modeling the neural substrates of associative learning and memory: a computational approach. Gluck MA, et al. **Psychol Rev** 1987 Apr;94(2):176–91
ERPs to laterally presented pictures and words in a semantic categorization task. Kok A, et al. **Psychophysiology** 1986 Nov;23(6):672–83
Modularity, mass-action and memory [editorial] Baddeley A. **Q J Exp Psychol [A]** 1986 Nov;38(4):527–33
The cholinergic neurotransmitter system in human memory and dementia: a review. Kopelman MD. **Q J Exp Psychol [A]** 1986 Nov;38(4):535–73 (162 ref.)
Animal memory: past, present and future. Macphail EM. **Q J Exp Psychol [B]** 1986 Nov;38(4):349–64
Distinguishing between new and used traces: differential effects of electroconvulsive shock on memories for places presented and places passed. Maki WS. **Q J Exp Psychol [B]** 1986 Nov;38(4):397–423
Ethanol intoxication and memory. Recent developments and new directions. Lister RG, et al. **Recent Dev Alcohol** 1987; 5:111–26 (81 ref.)
Cognitive deficits related to memory impairments in alcoholism. Oscar-Berman M, et al. **Recent Dev Alcohol** 1987;5:59–80 (108 ref.)
The chronic effects of alcohol on memory. A contrast between a unitary and dual system approach. Wilkinson DA, et al. **Recent Dev Alcohol** 1987;5:5–26 (83 ref.)
Biochemistry of information storage in the nervous system. Black IB, et al. **Science** 1987 Jun 5;236(4806):1263–8 (38 ref.)
Answering autobiographical questions: the impact of memory and inference on surveys. Bradburn NM, et al. **Science** 1987 Apr 10;236(4798):157–61
A critical period for macromolecular synthesis in long-term heterosynaptic facilitation in Aplysia. Montarolo PG, et al. **Science** 1986 Dec 5;234(4781):1249–54
The workings of working memory [news] Waldrop MM. **Science** 1987 Sep 25;237(4822):1364–7
Dream sources, associative mechanisms, and temporal dimension. Cavallero C. **Sleep** 1987 Feb;10(1):78–83
Selective vulnerability of hippocampus and disturbances of memory storage after mild unilateral ischemia of gerbil brain. Bothe HW, et al. **Stroke** 1986 Nov-Dec;17(6):1160–3
Memory--a new dimension in surgical interventions. Nádvorník P, et al. **Zentralbl Neurochir** 1987;48(1):73–6
[The engrammation function of the brain] Hrazdira CL. **Cesk Neurol Neurochir** 1986 Jul;49(4):201–9 **(Cze)**
[Principles of neuronal information storage. Theories, methodology, experiments] Matthies H. **Z Psychol** 1986;

194(3):285–92 (Eng. Abstr.) (Ger)
[Theory of the neural circuit network of memory and recognition] Hirai Y. **Nippon Rinsho** 1987 Feb;45(2):408–18 (46 ref.) (Jpn)
[Neuronal memory and the nature of the imagination] Brodziak A, et al. **Pol Tyg Lek** 1986 Jun 16;41(24):771–6 (Eng. Abstr.) (Pol)
[Characteristics of information recall during 2d-stage human sleep] Arons EK, et al. **Biol Nauki** 1986;(9):61–4 (Eng. Abstr.) (Rus)
[Effect of adaptation to central highlands conditions on active avoidance conditioning and its retention after emotional pain stress] Aliev MA, et al. **Biull Eksp Biol Med** 1987 May;103(5):524–6 (Eng. Abstr.) (Rus)
[Theoretical basis and was of implementing the psychophysiological approach to optimization of verbal memory] Bundzen PV, et al. **Fiziol Cheloveka** 1986 Sep–Oct;12(5):831–43 (115 ref.) (Rus)
[Functional asymmetry of the perception and memorization of verbal emotive information in neurasthenic patients] Leutin VP, et al. **Fiziol Cheloveka** 1987 Mar–Apr; 13(2):184–9 (Rus)
[The selectivity factor in the organization of the complex behavior of the monkey] Firsov LA. **Fiziol Zh SSSR** 1987 Feb;73(2):269–76 (Rus)
[Physiological analysis of the relation between the conditioned reflex and image memory in monkeys and preschool children] Firsov LA, et al. **Zh Evol Biokhim Fiziol** 1987 May–Jun;23(3):396–8 (Eng. Abstr.) (Rus)
[Role of adrenergic mechanisms in regulating memory engram retrieval and energy metabolism in the brain structures of the rat] Drozdov AL, et al. **Zh Vyssh Nerv Deiat** 1986 Sep–Oct;36(5):886–91 (Eng. Abstr.) (Rus)
[Effect of electrostimulation of the frontal area of the neocrotex on delayed spatial choice in the cat] Eremina SV. **Zh Vyssh Nerv Deiat** 1986 Jul–Aug;36(4):779–80 (Rus)
[Delayed choice according to sample in the monkey exposed to different probabilities of signal presentation] Nikitin VS. **Zh Vyssh Nerv Deiat** 1987 Mar–Apr;37(2):359–61 (Rus)

MEMORY DISORDERS

Fourth workshop on memory functions. Marstrand, Sweden, May 22–26, 1985. **Acta Neurol Scand [Suppl]** 1986;109:1–128
Cognitive, emotional and behavioral dysfunctions in aging and dementia. Jolles J. **Prog Brain Res** 1986;70:15–39 (100 ref.)

CHEMICALLY INDUCED

Epilepsy and state specific memory. Eich E. **Acta Neurol Scand [Suppl]** 1986;109:15–21 (50 ref.)
Selective memory impairment by phencyclidine in rats. Handelmann GE, et al. **Eur J Pharmacol** 1987 Aug 4; 140(1):69–73
Memory deficits associated with clonidine. Fein G, et al. **Gen Hosp Psychiatry** 1987 Mar;9(2):154–5
Memory loss, confusion, and disorientation in an elderly woman taking meclizine. Molloy DW. **J Am Geriatr Soc** 1987 May;35(5):454–6
Effects of alcohol intoxication on metamemory and on retrieval from long-term memory. Nelson TO, et al. **J Exp Psychol [Gen]** 1986 Sep;115(3):247–54
Persistence of retention deficit in rats after neonatal lead exposure. Munoz C, et al. **Neurotoxicology** 1986 Summer; 7(2):569–80
Increased susceptibility to memory intrusions and the Stroop interference effect during acute marijuana intoxication. Hooker WD, et al. **Psychopharmacology (Berlin)** 1987; 91(1):20–4
[Chronic toxic encephalopathies caused by metallic mercury] Langauer-Lewowicka H, et al. **Neurol Neurochir Pol** 1986 Sep–Oct;20(5):461–5 (Eng. Abstr.) (Pol)
[Disorders in the consolidation of temporary connections in the rat after chemical induction of lipid peroxidation and its prevention with the antioxidant ionol] Nurmukhambetov AN, et al. **Zh Vyssh Nerv Deiat** 1987 Mar–Apr;37(2):345–9 (Eng. Abstr.) (Rus)

CLASSIFICATION

[Memory disorders and classification] Asai M. **Nippon Rinsho** 1987 Feb;45(2):395–407 (57 ref.) (Jpn)

COMPLICATIONS

Memory disturbances in epileptic patients. Pedersen B, et al. **Acta Neurol Scand [Suppl]** 1986;109:11–4
Short term retention with lateralized temporal lobe epilepsy. Delaney RC, et al. **Cortex** 1986 Dec;22(4):591–600
Memory impairment associated with progression of Huntington's disease. Huber SJ, et al. **Cortex** 1987 Jun; 23(2):275–83
Confabulation in aphasia. Sandson J, et al. **Cortex** 1986 Dec; 22(4):621–6
The memory deficits in Alzheimer-type dementia: a review. Morris RG, et al. **Q J Exp Psychol [A]** 1986 Nov; 38(4):575–602 (111 ref.)

DIAGNOSIS

Remembering to do things in the laboratory and everyday life. Wilkins AJ. **Acta Neurol Scand [Suppl]** 1986;109:109–12
The memory clinic. A new approach to the detection of early dementia. Bayer AJ, et al. **Drugs** 1987;33 Suppl 2:84–9
Memory testing: no thermometers available [editorial] **Lancet** 1987 Sep 12;2(8559):604–6
Yesterday never happened—diagnosing and treating memory loss [published erratum appears in Ohio Med 1987 Apr;83(4):280] Edwards KS. **Ohio Med** 1987 Jan;83(1):17–9
Selective memory loss and global intellectual deficits in alcoholic Korsakoff's syndrome. Jacobson RR, et al. **Psychol Med** 1987 Aug;17(3):649–55
The Picture Memory and Fragmented Pictures Tests: use with cognitively impaired populations. Corwin J, et al. **Psychopharmacol Bull** 1987;23(2):286–90
[Characteristics of intellectual and mnemic disorders in the late period of craniocerebral injury] Belov VP, et al. **Sov Med** 1986;(8):102–5 (Rus)

DRUG THERAPY

Failure of nalmefene and estrogen to improve memory in Alzheimer's disease [letter] Weiss BL. **Am J Psychiatry** 1987 Mar;144(3):386–7
A multidimensional approach to the assessment of clinical validity in a study on CCVD treatment: dihydroergocristine versus placebo. Fioravanti M, et al. **Arch Gerontol Geriatr** 1987 Apr;6(1):83–93
Specific effects of cyclandelate on memory. Ananth J. **Drugs** 1987;33 Suppl 2:97–102
Geriatric aspects of psychopharmacology. Part B. Lippmann S. **J Ky Med Assoc** 1987 Jun;85(6):337–40
Physostigmine improves ECT-induced memory disturbances. Levin Y, et al. **Neurology** 1987 May;37(5):871–5
[Phosphatidylserine and memory disorders in the aged] Nerozzi D, et al. **Clin Ter** 1987 Mar 15;120(5):399–404 (Eng. Abstr.) (Ita)
[Peptide correction of memory disrupted by food deprivation in the rat] Tushmalova NA, et al. **Zh Vyssh Nerv Deiat** 1986 Sep–Oct;36(5):925–9 (Eng. Abstr.) (Rus)

ETIOLOGY

Modes of action of posttrial manipulation of learning: memories lost and memories regained. Rawlins N. **Acta Neurol Scand [Suppl]** 1986;109:61–8 (37 ref.)
Memory for temporal order and frequency of occurrence in detoxified alcoholics. Salmon DP, et al. **Alcohol** 1986 Sep–Oct;3(5):323–9
Subcortical prosopagnosia and anosognosia. Jacome DE. **Am J Med Sci** 1986 Dec;292(6):386–8
Acute presentation of memory loss and emotional lability. Mastromarino JH. **Ann Emerg Med** 1987 Jun;16(6):709–11
Left thalamic infarction and disturbance of verbal memory: a clinicoanatomical study with a new method of computed tomographic stereotaxic lesion localization. Mori E, et al. **Ann Neurol** 1986 Dec;20(6):671–6
Covariant defects in visuospatial abilities and recall of verbal narrative after right hemisphere stroke. Moya KL, et al. **Cortex** 1986 Sep;22(3):381–97
Memory impairments concomitant with nonalcoholic cirrhosis. Tarter RE, et al. **Int J Neurosci** 1987 Feb; 32(3–4):853–9
Verbal memory in brain damaged patients under different conditions of retrieval aids: a study of frontal, temporal, and diencephalic damaged subjects. Vogel CC, et al. **Int J Neurosci** 1987 Apr;33(3–4):237–56
Human amnesia and the medial temporal region: enduring memory impairment following a bilateral lesion limited to field CA1 of the hippocampus. Zola-Morgan S, et al. **J Neurosci** 1986 Oct;6(10):2950–67
Remote memory and neglect syndrome. Meador KJ, et al. **Neurology** 1987 Mar;37(3):522–6
Incidental and deliberate memory for words and faces after focal cerebral lesions. Vilkki J. **Neuropsychologia** 1987; 25(1B):221–30
The chronic effects of alcohol on memory. A contrast between a unitary and dual system approach. Wilkinson DA, et al. **Recent Dev Alcohol** 1987;5:5–26 (83 ref.)
Memory impairments caused by experimental thalamic lesions in monkeys. Aggleton JP. **Rev Neurol (Paris)** 1986; 142(4):418–24
Persistent memory loss following section of the anterior fornix in humans. A historical review. Garcia-Bengochea F, et al. **Surg Neurol** 1987 Apr;27(4):361–4
[Psychiatric disorders from craniocerebral injuries—analysis of 89 cases] Niu TF. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1987 Feb; 20(1):59–61 (Eng. Abstr.) (Chi)
[Anatomo-clinical conference at the Salpêtrière. October 1985. Sensory neuropathy and memory disorders developing slowly in a 65-year-old woman] Delaporte P, et al. **Rev Neurol (Paris)** 1986;142(5):559–65 (Fre)
[Magnetic resonance tomography and safety. Electroencephalographic and neuropsychologic findings before and after MR studies of the brain] Bartels M, et al. **ROFO** 1986 Oct;145(4):383–5 (Eng. Abstr.) (Ger)
[Smoking and its psychophysiologic implications] Fiume S, et al. **Minerva Psichiatr** 1987 Jan–Mar;28(1):35–41 (Eng. Abstr.) (Ita)

FAMILIAL & GENETIC

Familial correlation of memory function in schizophrenia. Chazan S, et al. **Psychopathology** 1986;19(4):165–9

PATHOLOGY

Perforant pathway changes and the memory impairment of Alzheimer's disease. Hyman BT, et al. **Ann Neurol** 1986 Oct;20(4):472–81
Magnetic resonance imaging and computerized tomography in relation to the neurobehavioral sequelae of mild and moderate head injuries. Levin HS, et al. **J Neurosurg** 1987 May;66(5):706–13
Primitive plaques and memory dysfunction in normal and impaired elderly persons [letter] Fuld PA, et al. **N Engl J Med** 1987 Mar 19;316(12):756
Degeneration of hippocampal fibers and spatial memory deficit in the aged rat. Greene E, et al. **Neurobiol Aging** 1987 Jan–Feb;8(1):35–43

PHYSIOPATHOLOGY

Remote and recent memory in long-hospitalized chronic schizophrenics. Calev A, et al. **Biol Psychiatry** 1987 Jan; 22(1):79–85
Separation of hippocampal and amygdaloid involvement in temporal memory dysfunctions. Olton DS, et al. **Brain Res** 1987 Feb 24;404(1–2):180–8
Cognitive evoked potentials and disorders of recent memory. Meador KJ, et al. **Neurology** 1987 Mar;37(3):526–9

PSYCHOLOGY

Memory as assessed by recognition and reading time in normal and memory-impaired people with Alzheimer's disease and other neurological disorders. Moscovitch M, et al. **J Exp Psychol [Gen]** 1986 Dec;115(4):331–47
Forgetfulness: age-related or Alzheimer's disease? [editorial] Zegeer LJ. **J Neurosci Nurs** 1987 Apr;19(2):61–2

REHABILITATION

Cognitive rehabilitation aims to improve or replace memory functions in survivors of head injury [news] Kirn TF. **JAMA** 1987 May 8;257(18):2400, 2402

THERAPY

Neuroblastoma cells in neural transplants: a neuroanatomical and behavioral analysis. Kordower JH, et al. **Brain Res** 1987 Aug 4;417(1):85–98
A comparison of recruiting strategies for increasing older adults' initial entry and compliance in a memory training program. Schleser R, et al. **Int J Aging Hum Dev** 1986–87; 24(1):55–66
Grafted septal neurons form cholinergic synaptic connections in the dentate gyrus of behaviorally impaired aged rats. Clarke DJ, et al. **J Comp Neurol** 1986 Oct 22;252(4):483–92

MEMORY FOR DESIGNS TEST see **NEUROPSYCHOLOGICAL TESTS**

MEMORY, IMMEDIATE see **MEMORY, SHORT-TERM**

MEMORY, PHOTOGRAPHIC see **EIDETIC IMAGERY**

MEMORY, SHORT-TERM

Iconic memory deficit of mildly mentally retarded individuals. Hornstein HA, et al. **Am J Ment Defic** 1987 Jan;91(4):415–21
Molecular biological approaches to the relationship between short-term and long-term memory in Aplysia. Schacher S, et al. **Biochem Soc Trans** 1987 Feb;15(1):125–6
Recall of anomalous sentences in dementia and amnesia. Kopelman MD. **Brain Lang** 1986 Sep;29(1):154–70
Short term retention with lateralized temporal lobe epilepsy. Delaney RC, et al. **Cortex** 1986 Dec;22(4):591–600
Spoken sentence comprehension by good and poor readers: a study with the Token Test. Smith ST, et al. **Cortex** 1986 Dec;22(4):627–32
The immediate effects of strenuous exercise on free-recall memory. Tomporowski PD, et al. **Ergonomics** 1987 Jan; 30(1):121–9
Possible involvement of adenylate cyclase in learning and short-term memory. Experimental data and some theoretical considerations. Yovell Y, et al. **Isr J Med Sci** 1987 Jan–Feb;23(1–2):49–60
The instantiation of general terms by deaf adolescents/adults. Strassman BK, et al. **J Commun Disord** 1987 Feb;20(1):1–13
Information-acquisition rate, short-term memory, and cognitive equivalence: reply to Sperling. Loftus GR. **J Exp Psychol [Gen]** 1986 Sep;115(3):295–8
Significance of emotional excitation in the mechanisms of spatial short-term memory in lower apes. Bakuradze AN, et al. **Neurosci Behav Physiol** 1987 Jan–Feb;17(1):43–9
Proactive interference and intertrial interval in short-term retention of temporal visual information. Guay M. **Percept Mot Skills** 1986 Oct;63(2 Pt 2):839–46
Visual recognition of equivalent tactile-kinesthetic and verbal information in short-term memory. Kazen-Saad M. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):547–52
Effects of age, education and sex on two tests of immediate memory: a study of normal subjects from 20 to 99 years of age. Orsini A, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 2):727–32
Attention and the order of items in short-term visual

memory. Reeves A. **Psychol Res** 1986;48(4):239–50
Dementia and working memory. Baddeley A, et al. **Q J Exp Psychol [A]** 1986 Nov;38(4):603–18
The uses of short-term memory: a case study. Butterworth B, et al. **Q J Exp Psychol [A]** 1986 Nov;38(4):705–37
Short-term storage and the processing of cohesion during reading. Fischer B, et al. **Q J Exp Psychol [A]** 1986 Aug; 38(3):431–60
Movement and attention in visual working memory. Quinn JG, et al. **Q J Exp Psychol [A]** 1986 Nov;38(4):689–703

DRUG EFFECTS

Effects of chemicals on delayed matching in pigeons IV: Effects of trimethyltin. Idemudia SO, et al. **Neurotoxicology** 1986 Fall;7(3):75–87
Effects of phenobarbital in combination with phenytoin or valproic acid on the delayed-matching-to-sample performance of pigeons. Karas CA, et al. **Pharmacol Biochem Behav** 1986 Oct;25(4):929–32
Vasopressin and memory: improvement in normal short-term recall and reduction of alcohol-induced amnesia. Millar K, et al. **Psychol Med** 1987 May;17(2):335–41
Effect of alcohol on rate of forgetting. Maylor EA, et al. **Psychopharmacology (Berlin)** 1987;91(2):230–5
[Activity of Ginkgo biloba extract on short-term memory] Hindmarch I. **Presse Med** 1986 Sep 25;15(31):1592–4 (Eng. Abstr.) **(Fre)**
[Effect of thyrotropin-releasing hormone (TRH) and its analog DN-1417 on scopolamine-induced impairment of short-term memory in rats] Yamazaki N, et al. **Yakubutsu Seishin Kodo** 1986 Sep;6(3):359–66 (Eng. Abstr.) **(Jpn)**
[Side effects of diphenylhydantoin on short-term memory. Experimental cognitive-animal study] Martín García J, et al. **Arch Neurobiol (Madr)** 1987 Jan–Feb;50(1):1–14 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Training and testing determinants of short-term associative suppression of phototaxic behavior in Hermissenda. Grover L, et al. **Behav Neural Biol** 1987 May;47(3):275–306
Echoic memory and language perception. Ardila A, et al. **Brain Lang** 1986 Sep;29(1):134–40
Aged rats need a preserved complement of perforated axospinous synapses per hippocampal neuron to maintain good spatial memory. Geinisman Y, et al. **Brain Res** 1986 Nov 29;398(2):266–75
Responses of neurons in the inferior temporal cortex in short term and serial recognition memory tasks. Baylis GC, et al. **Exp Brain Res** 1987;65(3):614–22
Operator effort and the measurement of heart-rate variability. Aasman J, et al. **Hum Factors** 1987 Apr;29(2):161–70
Story structure and retelling of narratives by aphasic and non-brain-damaged adults. Ernest-Baron CR, et al. **J Speech Hear Res** 1987 Mar;30(1):44–9
Time course of short-term memory depends on associative events. Menzel R, et al. **Naturwissenschaften** 1986 Sep; 73(9):564–5
[Significance of spectral-correlation parameters of human neocortical potentials with respect of short-term memory characteristics. II. Spectral-correlation parameters of human neocortical potentials during correct and incorrect responses] Vasil'ev IaA, et al. **Fiziol Cheloveka** 1986 Sep–Oct;12(5):803–9 **(Rus)**
[Neuronal activity of areas of the monkey neocortex during a spatial delayed choice of various visual signals] Dudkin KN, et al. **Zh Vyssh Nerv Deiat** 1986 Sep–Oct;36(5):972–4 **(Rus)**
[Neuronal activity of the medial wall of the frontal cortex of the rat during performance of delayed reactions] Orlov AA, et al. **Zh Vyssh Nerv Deiat** 1987 Mar–Apr;37(2):280–6 (Eng. Abstr.) **(Rus)**

MEN

The other side of black female-headed families: the status of adult black men. Joe T. **Fam Plann Perspect** 1987 Mar–Apr;19(2):74–6
[The elderly man—historical aspects. Several sketches from Bible and church history] Becker KF. **Z Gerontol** 1986 Jul–Aug;19(4):223–7 (Eng. Abstr.) **(Ger)**
[Men in old age—psychological and social aspects] Fooken I. **Z Gerontol** 1986 Jul–Aug;19(4):249–75 (Eng. Abstr.) **(Ger)**
[Gerontology—a science of men, or the aged man—an unknown being? (editorial)] Fooken I. **Z Gerontol** 1986 Jul–Aug;19(4):221–2 **(Ger)**
[The single man in old age] Schneider HD. **Z Gerontol** 1986 Jul–Aug;19(4):235–9 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

The imagined baby: the analysis of a desire. Chelo E, et al. **Acta Eur Fertil** 1986 May–Jun;17(3):213–6
Husbands' attendance during labour: attitudes and incidence. Buckley D, et al. **Ir Med J** 1987 Mar;80(3):93–5
Interpersonal stress in medical education: correlates for men and women students. Spiegel DA, et al. **J Am Med Wom Assoc** 1987 Jan–Feb;42(1):19–21
Self-rated health and associated factors among men of different ages. Jylhä M, et al. **J Gerontol** 1986 Nov; 41(6):710–7
Men—new focus for family planning programs. Gallen ME, et al. **Popul Rep [J]** 1986 Nov–Dec;(33):J889–919
Toward a new psychology of men: psychoanalytic and social perspectives. **Psychoanal Rev** 1986 Winter;73(4):405–620
Marathon running: comparison of physical and psychosocial risks for men and women. Estok PJ, et al. **Res Nurs Health** 1987 Apr;10(2):79–85
[Specific conflicts and behavior patterns of aging men—experiences from psychoanalytic psychotherapy] Radebold H. **Z Gerontol** 1986 Jul–Aug;19(4):240–3 **(Ger)**

MEN I see **NEOPLASMS, MULTIPLE ENDOCRINE**

MEN II see **NEOPLASMS, MULTIPLE ENDOCRINE**

MEN III see **NEOPLASMS, MULTIPLE ENDOCRINE**

MENADIONE see **VITAMIN K**

MENADIONE REDUCTASES see **QUINONE REDUCTASES**

MENAQUINONE see **VITAMIN K**

MENAQUINONE REDUCTASES see **QUINONE REDUCTASES**

MENARCHE

Dietary fibre and age at menarche: a re-examination of the evidence. Bentley GR. **Ann Hum Biol** 1987 Jan–Feb; 14(1):69–78
Age at menarche based on recall information. Hediger ML, et al. **Ann Hum Biol** 1987 Mar–Apr;14(2):133–42
The effect of homozygous sickle cell disease on the age at menarche in Nigerian schoolgirls. Modebe O. **Ann Hum Biol** 1987 Mar–Apr;14(2):181–5
Changes of recollected menarcheal age and month among women in Tokyo over a period of 90 years. Nakamura I, et al. **Ann Hum Biol** 1986 Nov–Dec;13(6):547–54
Adolescent growth in weight and its relation to menarche in contemporary American girls. Zacharias L, et al. **Ann Hum Biol** 1986 Jul–Aug;13(4):369–86
Correlation between month of menarche and month of birth. Miura T, et al. **Arch Gynecol** 1987;240(4):195–200
Age at menarche and menopause of uterine cancer patients. de Graaff J, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Aug;8(4):187–93
Age at menarche among high altitude Bods of Ladakh (India). Malik SL, et al. **Hum Biol** 1986 Aug;58(4):541–8
Association of growth status & age at menarche in urban upper middle income group girls of Hyderabad. Rana T, et al. **Indian J Med Res** 1986 Nov;84:522–30
Plasma lipoprotein profile in relation to sex hormones in premenarcheal athletes. Zonderland ML, et al. **Int J Sports Med** 1986 Oct;7(5):241–5
The age of menarche in Irish girls. Hoey H, et al. **Ir Med J** 1986 Oct;79(10):283–5
Menarche in the severely disabled adolescent: school nurses' attitudes, perceptions, and perceived teaching responsibilities. Tse AM, et al. **J Sch Health** 1986 Dec; 56(10):443–7
[Survey on the first 3 gynecological years among 392 school girls in Val-de-Marne in 1985] Toublanc JE, et al. **Ann Pediatr (Paris)** 1987 Jan;34(1):79–82 (Eng. Abstr.) **(Fre)**
[A case of polycystic ovary disease in an adolescent 12 years old and 6 months postmenarche] Nakatani K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr; 39(4):708–11 **(Jpn)**
[Correlations between the age of menarche and hematological variables in girls of the northern area of Santiago] Trujillo S, et al. **Rev Chil Pediatr** 1986 Jan–Feb; 57(1):18–21 (Eng. Abstr.) **(Spa)**

BLOOD

Reduced conversion of dehydroepiandrosterone into estrogens in premenarchal girls. Bulletti C, et al. **J Endocrinol Invest** 1986 Oct;9(5):375–81
[Comparison of the levels of serum ferritin and other hematologic parameters in males and pre-menarche and post-menarche females] González Espinosa C, et al. **An Esp Pediatr** 1986 Dec;25(6):435–40 (Eng. Abstr.) **(Spa)**

ETHNOLOGY

Menarche and sexuality among a sample of black South African schoolgirls. du Toit BM. **Soc Sci Med** 1987; 24(7):561–71

PHYSIOLOGY

The epidemiology and endocrinology of the menarche in relation to breast cancer. Vihko RK, et al. **Cancer Surv** 1986;5(3):561–71 (63 ref.)
Ovarian function immediately after the menarche. Borsos A, et al. **Int J Gynaecol Obstet** 1986 Jun;24(3):239–42
Transient increases in progesterone in daily and 2-hourly saliva specimens from adolescent girls. Truran PL, et al. **J Endocrinol** 1986 Dec;111(3):513–8

PSYCHOLOGY

Sexual socialization during early adolescence: the menarche. Amann-Gainotti M. **Adolescence** 1986 Fall;21(83):703–10
Flashbulb memories of menarche and adult menstrual distress. Pillemer DB, et al. **J Adolesc** 1987 Jun;10(2):187–99

MENGO VIRUS

The atomic structure of Mengo virus at 3.0 A resolution. Luo M, et al. **Science** 1987 Jan 9;235(4785):182–91

GENETICS

A kinase able to phosphorylate exogenous protein synthesis initiation factor eIF-2 alpha is present in lysates of mengovirus-infected L cells. Pani A, et al. **J Virol** 1986 Dec;60(3):1012–7

PHYSIOLOGY

Structural and physiological properties of mengovirus: avirulent, hemagglutination-defective mutants express altered alpha (1 D) proteins and are adsorption-defective. Anderson K, et al. **Arch Virol** 1987;93(1–2):13–29
Biological properties of mengovirus: characterization of avirulent, hemagglutination-defective mutants. Anderson K, et al. **Arch Virol** 1987;93(1–2):31–49
The synthesis of a particle-forming cellular protein is enhanced by Mengo virus infection. Boege U, et al. **Virology** 1987 Aug;159(2):358–67

MENIERE'S DISEASE

Overview of inner ear disease. Arenberg IK. **Am J Otol** 1987 May;8(3):189–94 (5 ref.)

BLOOD

Serum osmolality in Menière's disease. Kitano H, et al. **Am J Otol** 1987 Jul;8(4):327–9

COMPLICATIONS

Localization, frequency, and severity of endolymphatic hydrops and the pathology of the labyrinthine membrane in Menière's disease. Okuno T, et al. **Ann Otol Rhinol Laryngol** 1987 Jul–Aug;96(4):438–45
Investigations into the cause of canal paresis in Menière's disease. Rizvi SS. **Laryngoscope** 1986 Nov;96(11):1258–71

DIAGNOSIS

Craniocorpography in the diagnosis and therapeutic indication of endolymphatic hydrops. Bartual J, et al. **Acta Otolaryngol (Stockh)** 1987 May–Jun;103(5–6):422–6
Menière's disease in children. Hausler R, et al. **Am J Otolaryngol** 1987 Jul–Aug;8(4):187–93
Monitoring of the glycerol test with sinusoidal harmonic acceleration in Menière's disease patients. Ballad WJ, et al. **Ann Otol Rhinol Laryngol** 1987 May–Jun;96(3 Pt 1):286–90
Diagnostic value of extratympanic electrocochleography in Menière's disease. Mori N, et al. **Audiology** 1987; 26(2):103–10
Nystagmus during attack in Menière's disease. Nishikawa K, et al. **Auris Nasus Larynx** 1986;13 Suppl 2:S147–51
Equilibrium disorders and R-R intervals in ECG. Ohashi N, et al. **Auris Nasus Larynx** 1986;13 Suppl 2:S193–7
Relationship between movements of the head and the center of gravity of the body in Menière's disease. Taguchi K, et al. **Auris Nasus Larynx** 1986;13 Suppl 2:S161–9
Clinical significance of biphasic head-shaking nystagmus. Takahashi S. **Auris Nasus Larynx** 1986;13 Suppl 2:S199–204
Glycerol test in Menière's disease diagnosis. Zhang CC, et al. **Chin Med J [Engl]** 1986 Sep;99(9):727–30
Meniere's disease. Miyamoto RT. **Indiana Med** 1986 Nov; 79(11):961–5 (30 ref.)
Analysis of the glycerin test for Menière's disease. Skalabrin TA, et al. **Otolaryngol Head Neck Surg** 1987 Mar; 96(3):282–8
[Vestibulospinal reflexes in differentiating between organic and functional (psychogenic) causes of vertigo] Allum JH, et al. **HNO** 1987 Mar;35(3):128–35 (Eng. Abstr.) **(Ger)**
[Differential diagnosis of benign paroxysmal positional vertigo in Menière's disease] Blessing R, et al. **HNO** 1986 Sep;34(9):372–5 (Eng. Abstr.) **(Ger)**
[Diagnosis and therapy of vertebrogenic vertigo] Biesinger E. **Laryngol Rhinol Otol (Stuttg)** 1987 Jan;66(1):32–6 (Eng. Abstr.) **(Ger)**
[Late sequelae following laterobasal fractures, therapeutic and forensic viewpoints] Feldmann H. **Laryngol Rhinol Otol (Stuttg)** 1987 Feb;66(2):91–8 (Eng. Abstr.) **(Ger)**
[Value of the glycerol test in the diagnosis of Menière's disease] Finkiewicz A, et al. **Otolaryngol Pol** 1986; 40(2):115–9 (Eng. Abstr.) **(Pol)**
[Quantitative evaluation of the results of the glycerol test based on vestibulometry] Bazarov VG, et al. **Vestn Otorinolaringol** 1987 Jan–Feb;(1):11–5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Use of a diuretic (Dyazide) in the treatment of Menière's disease. A double-blind cross-over placebo-controlled

study. van Deelen GW, et al.
ORL J Otorhinolaryngol Relat Spec 1986;48(5):287–92
Streptomycin treatment in Menière's disease. Moretz WH Jr, et al. **Otolaryngol Head Neck Surg** 1987 Mar;96(3):256–9
Pharmacological treatment of Menière's disease. A review of common remedies with special emphasis on vasodilators, including hyperosmolar substances and hearing. Angelborg C. **Scand Audiol [Suppl]** 1986;26:33–6 (21 ref.)
[Treatment of Ménière's disease. Middle ear infusion with lidocaine and steroid solution] Sakata E, et al.
Auris Nasus Larynx 1986;13(2):79–89 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Provocation of nystagmus and deviation by type I allergy in the inner ear of the guinea pig. Miyamura K, et al.
Ann Allergy 1987 Jan;58(1):36–40
Vascular loops in internal auditory canal as possible cause of Menière's disease. Kanzaki J, et al.
Auris Nasus Larynx 1986;13 Suppl 2:S105–11
The etiopathogenesis of Meniere's disease. Halama AR.
Ear Nose Throat J 1987 Mar;66(3):107–11
"Non-otologic" causes for otologic symptoms: two unusual cases. Gulya AJ, et al. **Otolaryngol Head Neck Surg** 1986 Dec;95(5):615–20
[Weather status and incidence of idiopathic facial nerve paralyses, vestibular disorders, Menière's attacks and sudden deafness] Herbert I, et al.
Laryngol Rhinol Otol (Stuttg) 1987 May;66(5):249–50 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Familial Menière's disease: a genetic investigation. Birgerson L, et al. **Am J Otol** 1987 Jul;8(4):323–6

HISTORY

[The man behind the syndrome: Prosper Menière. He was the first one to consider that vertigo and hearing disorders can be an expression of swelling in the middle ear] Stahle J, et al. **Lakartidningen** 1986 Oct 1;83(40):3350–2 **(Swe)**

IMMUNOLOGY

Evidence of persistent viral infection in Menière's disease. Williams LL, et al. **Arch Otolaryngol Head Neck Surg** 1987 Apr;113(4):397–400
[Does virus diagnosis open new ways for the classification and treatment of sudden deafness, unilateral vestibular loss and idiopathic facial paralysis?] Leitner C. **HNO** 1986 Sep; 34(9):376–8 (Eng. Abstr.) **(Ger)**

METABOLISM

The lipofuscin content of Scarpas ganglion of normal and Menière's disease patients related to age: a histologic and morphometric study. Galić M, et al. **Clin Neuropathol** 1987 Mar–Apr;6(2):88–92

OCCURRENCE

[Epidemiology of benign paroxysmal positional vertigo] Blessing R, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Aug; 65(8):455–8 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Endolymphatic hydrops in perilymphatic fistula. Nomura Y, et al. **Acta Otolaryngol (Stockh)** 1987 May–Jun; 103(5–6):469–76
Ultrastructural findings in a case of Menière's disease. Nadol JB Jr, et al. **Ann Otol Rhinol Laryngol** 1987 Jul–Aug; 96(4):449–54
[Ultrastructure of the vestibular apparatus in patients with Meniere's disease] Jahnke K. **HNO** 1987 Jan;35(1):43–50 (Eng. Abstr.) **(Ger)**
[Ménière's disease and temporal pneumatization] Serra A, et al. **Acta Otorhinolaryngol Ital** 1985 Sep–Oct;5(5):475–81 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Effects of overpressure on hearing function in Menière's disease. Densert B. **Acta Otolaryngol (Stockh)** 1987 Jan–Feb;103(1–2):32–42
Glycerol-induced changes in the cochlear responses of the guinea pig hydropic ear. Horner KC, et al.
Arch Otorhinolaryngol 1987;244(1):49–54
Modulation threshold functions for chronically impaired Menière patients. Formby C. **Audiology** 1987;26(2):89–102
Experimental studies on mechanism of the Menière's attack: investigation into vestibulo-cochlear response of the guinea pig induced by potassium ion. Hozawa J, et al.
Auris Nasus Larynx 1986;13 Suppl 2:S21–7
Vestibulospinal function in two syndromes with spontaneous attacks of vertigo: evaluation by posturography. Norré ME, et al. **Clin Otolaryngol** 1987 Jun;12(3):215–20
Neuronal activity in otology. Ludman H.
J Laryngol Otol 1986 Sep;100(9):989–1007
Episodic vertigo in basilar artery migraine. Harker LA, et al. **Otolaryngol Head Neck Surg** 1987 Mar;96(3):239–50
[Diagnostic value of the relative width of the action potential-summating potential wave in Menière's disease] Li XQ. **Chung Hua I Hsueh Tsa Chih** 1986 Feb;66(2):81–2, 126 (Eng. Abstr.) **(Chi)**
[Pharmaco-pupillometry with methacholine in Ménière's disease] Guidetti G, et al. **Acta Otorhinolaryngol Ital** 1987 Mar–Apr;7(2):205–16 (Eng. Abstr.) **(Ita)**
[Status of cerebral hemodynamics in Meniére's disease in relation to audiovestibulometric indicators] Bazarov VG, et al. **Vestn Otorinolaringol** 1986 Sep–Oct;(5):19–23 (Eng. Abstr.) **(Rus)**
[Cerebral hemodynamics in Meniére's disease] Firsova IP, et al. **Vestn Otorinolaringol** 1986 Nov–Dec;(6):43–7 (Eng. Abstr.) **(Rus)**
[The osmotest in evaluating reversible endolymphatic hydrops in patients with Menière's disease] Shvartsman NA. **Vestn Otorinolaringol** 1987 Mar–Apr;(2):24–7 (Eng. Abstr.) **(Rus)**

SURGERY

Results of endolymphatic sac to mastoid shunt surgery for Menière's disease refractory to medical therapy. Arenberg IK. **Am J Otol** 1987 Jul;8(4):335–44
Menière's disease: results of treatment with the endolymphatic subarachnoid shunt compared with the endolymphatic mastoid shunt. Brackmann DE, et al.
Am J Otol 1987 Jul;8(4):275–82
Valve implants compared to other surgical methods. Huang TS. **Am J Otol** 1987 Jul;8(4):301–6
Endolymphatic sac surgery for Menière's disease: eighteen years' experience with the Kitahara sac operation. Kitahara M, et al. **Am J Otol** 1987 Jul;8(4):283–6
Retrosigmoid intracanalicular vestibular nerve section: an alternative surgical approach for Menière's disease. Millen SJ, et al. **Am J Otol** 1986 Sep;7(5):330–2
Primary surgery for Menière's disease: destructive surgery versus conservative surgery [letter] Paparella MM, et al.
Am J Otol 1987 Jan;8(1):66–8
Endolymphatic sac enhancement. Principles of diagnosis and treatment. Paparella MM, et al. **Am J Otol** 1987 Jul; 8(4):294–300
Neurosurgical treatment of vertigo by microvascular decompression of the eighth cranial nerve. Jannetta PJ, et al. **Clin Neurosurg** 1986;33:645–65
Microsurgical vestibular nerve section for intractable Menière's syndrome—technique and results. Tarlov EC.
Clin Neurosurg 1986;33:667–84
A comparison of retrosigmoid IAC, retrolabyrinthine, and middle fossa vestibular neurectomy for treatment of vertigo. Silverstein H, et al. **Laryngoscope** 1987 Feb; 97(2):165–73
[Value of vestibular neurectomy using the suprapetrosal approach in the treatment of Menière's disease] Vaneecloo FM, et al. **Ann Otolaryngol Chir Cervicofac** 1986; 103(6):373–7 (Eng. Abstr.) **(Fre)**
[Rare complications following stapes operation and their surgical treatment] Morgenstern C, et al. **HNO** 1986 Aug; 34(8):325–6 (Eng. Abstr.) **(Ger)**

THERAPY

Defining valid approaches to therapy for Menière's disease. Thomsen J. **Ear Nose Throat J** 1986 Sep;65(9):10–8
The use of the underpressure chamber in the treatment of patients with Menière's disease. van Deelen GW, et al.
J Laryngol Otol 1987 Mar;101(3):229–35
Treatment of Meniere's disease by acupuncture: report of 75 cases. Xu BR, et al. **J Tradit Chin Med** 1987 Mar; 7(1):69–70

MENINGEAL ARTERIES

Multiple intrathecal extramedullary arteriovenous fistulae draining "freely" into the spinal veins.Thiebot J, et al.
J Neuroradiol 1986;13(3):173–80 **(Eng, Fre)**

ABNORMALITIES

Anomalous origin of the posterior meningeal artery from the lateral medullary segment of the posterior inferior cerebellar artery. Tanohata K, et al. **Neuroradiology** 1987; 29(1):89–92

MENINGEAL NEOPLASMS

Sphenoidal ridge meningioma. Fohanno D, et al.
Adv Tech Stand Neurosurg 1986;14:137–74 (19 ref.)
Metastatic spread of benign intracranial meningioma. Tognetti F, et al. **J Neurosurg Sci** 1987 Jan–Mar;31(1):23–7
Intracranial meningiomas: a report of 13 cases. Djavadkhani K, et al. **Med J Malaysia** 1985 Dec;40(4):321–4
[Metastases of meningioma. Apropos of 2 cases] Noterman J, et al. **Neurochirurgie** 1987;33(3):184–9 (Eng. Abstr.) **(Fre)**
[Meningeal carcinomatosis. Analysis of 11 cases] García-Girón C, et al. **Rev Clin Esp** 1987 May; 180(9):475–81 (Eng. Abstr.) **(Spa)**

ANALYSIS

Epithelial membrane antigen expression by meningiomas, and the perineurium of peripheral nerve [letter] Theaker JM, et al. **Arch Pathol Lab Med** 1987 May;111(5):409
Sex hormone receptors in intracranial tumours and normal brain. Whittle IR, et al. **Eur J Surg Oncol** 1987 Aug; 13(4):303–7
Gonadal steroid receptors in meningiomas. Lesch KP, et al.
J Neurol 1987 Jun;234(5):328–33
Correlation of meningioma hormone receptor status with hormone sensitivity in a tumor stem-cell assay. Grunberg SM, et al. **J Neurosurg** 1987 Mar;66(3):405–8
Immunopathology of leptomeningeal dissemination of brain tumors. Matsukado YM, et al. **Prog Exp Tumor Res** 1987; 30:215–23
[Characterization of the estradiol receptor in human meningioma using saccharose gradients] Medina M, et al.
Rev Invest Clin 1987 Jan–Mar;39(1):29–33 (Eng. Abstr.) **(Spa)**

BLOOD

[Practical significance of middle molecules of the blood in assessing the severity of the status of neurosurgical patients] Promyslov MSh, et al. **Zh Vopr Neirokhir** 1987 Mar–Apr; (2):28–32 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Meningioma associated with aneurysm and subarachnoid hemorrhage: case report and review of the literature. Bloomgarden GM, et al. **Neurosurgery** 1987 Jan;20(1):24–6
Disappearance of a tumor shadow fed by the tentorial artery after embolization of the external carotid artery. Minakawa T, et al. **Surg Neurol** 1987 Sep;28(3):208–10

CEREBROSPINAL FLUID

Significance of cerebrospinal fluid ferritin estimation in central nervous system leukemia. Wang ST, et al.
Chin Med J [Engl] 1987 Mar;100(3):208–10
[Clinical pharmacology of methotrexate (MTX)—altered central nervous system pharmacology of MTX with meningial relapse of childhood leukemia] Matsuoka H, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1856–61 (Eng. Abstr.) **(Jpn)**
[Cerebrospinal fluid dynamics in tumors of the spinal cord and cauda equina] Okladnikov GI.
Zh Nevropatol Psikhiatr 1986;86(7):1051–4 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

On the spinal pathways mediating scalp-SEPs to upper and lower limb nerve stimulation: case report and discussion. Rossini PM, et al. **Acta Neurol Scand** 1986 Sep;74(3):230–4
Thoracic spinal meningioma associated with hydrocephalic dementia [letter] Wang AM, et al. **AJNR** 1987 Mar–Apr; 8(2):383–4
Meningiomas and obesity reconsidered [letter] Jacobs DH, et al. **Ann Neurol** 1986 Sep;20(3):376
Meningeal carcinomatosis. Neetens A, et al.
Bull Soc Belge Ophtalmol 1985;215:109–15
Massive cerebral edema associated with meningioma. Jagadha V, et al. **Can J Neurol Sci** 1987 Feb;14(1):55–8
Chronic lymphocytic leukemic meningitis as a cause of the syndrome of inappropriate secretion of antidiuretic hormone. Stagg MP, et al. **Cancer** 1987 Jul 15;60(2):191–2
Mental impairment in unilateral frontal tumours: role of the laterality of the lesion. Belyi BI. **Int J Neurosci** 1987 Feb; 32(3–4):799–810
Vagoglossopharyngeal neuralgia with syncope in the course of carcinomatous meningitis. Sozzi G, et al.
Ital J Neurol Sci 1987 Jun;8(3):271–5
Repeated subarachnoid hemorrhages from a cervical meningioma. Case report. Scotti G, et al. **J Neurosurg** 1987 May;66(5):779–81
Nonconvulsive status epilepticus in a patient with leptomeningeal cancer. Broderick JP, et al.
Mayo Clin Proc 1987 Sep;62(9):835–7
Acute subdural hematoma of arterial origin in a patient with a lumboperitoneal shunt. Aoki N.
Neurol Med Chir (Tokyo) 1987 Jan;27(1):60–2
Postsurgical disappearance of dementia without increased cerebral blood flow in hydrocephalic patients. Matsuda M, et al. **Neurol Med Chir (Tokyo)** 1987 Jan;27(1):24–30
Fibrosarcoma arising in a lumbosacral meningocoele. Smith CM, et al. **Neuropathol Appl Neurobiol** 1986 Sep–Oct; 12(5):483–9
A large meningioma presenting as a neurologic emergency in late pregnancy. DeGrood RM, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):439–40
Pseudopseudotumor cerebri: meningeal carcinomatosis presenting as benign intracranial hypertension. Allen RS, et al. **South Med J** 1987 Sep;80(9):1182–3
Meningeal neoplasms associated with cerebral vascular malformations. Bitoh S, et al. **Surg Neurol** 1987 May; 27(5):469–75
Cerebral edema associated with meningiomas. Maiuri F, et al. **Surg Neurol** 1987 Jan;27(1):64–8
Cystic meningiomas—an update. Pinna G, et al.
Surg Neurol 1986 Nov;26(5):441–52
Subacute leukoencephalopathy complicating acute lymphoblastic leukemia [clinical conference] Filloux FM, et al. **West J Med** 1987 Feb;146(2):207–12
[Consumption coagulopathy and meningioma] Bodin D, et al. **Ann Fr Anesth Reanim** 1986;5(3):308–11 (Eng. Abstr.) **(Fre)**
[Tolosa-Hunt syndrome in a child, as a manifestation of meningioma] Plessier P, et al. **Bull Soc Ophtalmol Fr** 1986 Jan;86(1):29–30 **(Fre)**
[Peritumoral edema in intracranial meningiomas. Angiographic and computerized tomographic correlations]

Casasco A, et al. **Neurochirurgie** 1986;32(4):296–303 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Fine needle aspiration cytology diagnosis of an extracranial meningioma presenting as a cervical mass. Solares J, et al. **Acta Cytol** 1987 Jul–Aug;31(4):502–4

Sphenoid ridge meningioma masquerading as Graves' orbitopathy [letter] Newman NM. **Arch Ophthalmol** 1987 Aug;105(8):1017–8

Sphenoid ridge meningioma masquerading as Graves' orbitopathy. Reifler DM, et al. **Arch Ophthalmol** 1986 Nov; 104(11):1591

Meningeal involvement in early stage chronic lymphocytic leukemia. Cash J, et al. **Cancer** 1987 Feb 15;59(4):798–800

The value of magnetic resonance imaging in the diagnosis of intracranial meningiomas. Mawhinney RR, et al. **Clin Radiol** 1986 Sep;37(5):429–39

Intraparenchymal meningioma in a child: CT and MR findings. Schroeder BA, et al. **J Comput Assist Tomogr** 1987 Jan–Feb;11(1):192–3

Dural carcinomatosis: MR demonstration. Tyrrell RL 2d, et al. **J Comput Assist Tomogr** 1987 Mar–Apr;11(2):329–32

Lymphomatous meningitis appearing as Garin–Bujadoux–Bannwarth meningopolyneuritis [letter] Mayfrank L, et al. **J Neurol Neurosurg Psychiatry** 1987 Jan;50(1):106–7

Serial lumbar and ventricle cerebrospinal fluid lactate dehydrogenase activities in patients with leptomeningeal metastases from solid and haematological tumours. Twijnstra A, et al. **J Neurol Neurosurg Psychiatry** 1987 Mar;50(3):313–20

Magnetic resonance imaging of spinal meningiomas and neurinomas. Improvement of imaging by paramagnetic contrast enhancement. Schroth G, et al. **J Neurosurg** 1987 May;66(5):695–700

Spinal meningioma en plaque. Report of two cases. Stechison MT, et al. **J Neurosurg** 1987 Sep;67(3):452–5

Malignant and atypical meningiomas: a reappraisal of clinical, histological, and computed tomographic features. Alvarez F, et al. **Neurosurgery** 1987 May;20(5):688–94

Extradural lymphoma presenting as an acute surgical emergency. Rabin DN, et al. **Neurosurgery** 1987 May; 20(5):788–90

Primary leptomeningeal glioma mimicking an acoustic neuroma: case report with review of the literature. Sceats DJ Jr, et al. **Neurosurgery** 1986 Oct;19(4):649–54

Leptomeningeal metastasis: MR imaging. Davis PC, et al. **Radiology** 1987 May;163(2):449–54

Intracranial meningiomas: high-field MR imaging. Spagnoli MV, et al. **Radiology** 1986 Nov;161(2):369–75

Diagnostic problems of leptomeningeal lymphoma. A report of 3 cases. Gardiner J, et al. **S Afr Med J** 1987 Apr 4; 71(7):457–9

Hemangiopericytoma of meninges. II. General and clinical data. Schröder R, et al. **Zentralbl Neurochir** 1986; 47(3):191–9

[Orbital meningioma] Hu CZ. **Chung Hua Yen Ko Tsa Chih** 1986 Jul;22(4):198–200 (Eng. Abstr.) **(Chi)**

[Expansive processes of the cerebellopontile angle. Neuro-otological evaluation of 146 cases] Demanez JP. **Acta Otorhinolaryngol Belg** 1987;41(1):108–19 (Eng. Abstr.) **(Fre)**

[Assessment of the comparative activities of NMR and radioisotope scanning at the Hammersmith Hospital] Curati WL, et al. **J Radiol** 1986 Jun–Jul;67(6–7):527–8 **(Fre)**

[MR tomography in intracranial meningiomas] Just M, et al. **ROFO** 1987 Jun;146(6):705–10 (Eng. Abstr.) **(Ger)**

[Characteristics of intracranial meningioma imaged by magnetic resonance tomography] Treisch J, et al. **ROFO** 1987 Feb;146(2):207–14 (Eng. Abstr.) **(Ger)**

[Magnetic resonance imaging of intracranial meningiomas] Shakudo M, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Jan 25; 47(1):27–36 (Eng. Abstr.) **(Jpn)**

[Diagnosis and neurosurgical treatment of intraspinal meningiomas and neurinomas] Salazar J, et al. **Arch Neurobiol (Madr)** 1987 May–Jun;50(3):191–205 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Effect of the antiprogesterone RU-38486 on meningioma implanted into nude mice. Olson JJ, et al. **J Neurosurg** 1987 Apr;66(4):584–7

Endocrine manipulation of meningiomas with medroxyprogesterone acetate. Effect of MPA on receptor status of meningioma cytosols. Markwalder TM, et al. **Surg Neurol** 1987 Jul;28(1):3–9

[Neuromeningeal localizations in acute leukemia and non-Hodgkin's lymphoma. Protocol combining BCNU-cytosine arabinoside [letter]] Donadio D, et al. **Ann Med Interne (Paris)** 1987;138(2):143 **(Fre)**

[Intrathecal chemotherapy by a totally implanted device (letter)] Ranchere JY, et al. **Presse Med** 1986 Sep 27; 15(32):1641 **(Fre)**

[Intrathecal ACNU for the treatment of a meningeal gliomatosis model] Yoshida T, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):84–90 (Eng. Abstr.) **(Jpn)**

[Intrathecal ACNU against malignant leptomeningeal tumors—toxicity and therapeutic effect in experimental animals] Nagatani M, et al. **No To Shinkei** 1986 Nov; 38(11):1071–5 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

[Immunohistochemical demonstration of neuron-specific enolase in meningiomas and in normal meningocytes] Ikeda H, et al. **Neurol Med Chir (Tokyo)** 1986 Dec;26(12):945–50 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Meningioma occurring twenty-three years after a successfully treated cerebellar medulloblastoma: case report. Ojeda VJ, et al. **Aust NZ J Surg** 1987 Feb; 57(2):133–5

Acute promyelocytic leukemia with an intracerebral mass and meningeal involvement after treatment of non-Hodgkin's lymphoma. Kanakura Y, et al. **Cancer** 1987 Jan 1;59(1):94–8

Meningioma following cranial irradiation. Hill SA. **Postgrad Med J** 1986 Aug;62(730):741–2

FAMILIAL & GENETIC

Recessive cancer genes in meningiomas? An analysis of 31 cases. Casalone R, et al. **Cancer Genet Cytogenet** 1987 Jul; 27(1):145–59

Cytogenetic studies of human brain tumors and their clinical significance. II. Meningioma. Al Saadi A, et al. **Cancer Genet Cytogenet** 1987 May;26(1):127–41

DNA in meningioma tissues and explant cell cultures. A flow cytometric study with clinicopathological correlates. Ironside JW, et al. **J Neurosurg** 1987 Apr;66(4):588–94

[Flow cytometric and karyotypic studies on meningiomas] Katsuyama J. **No Shinkei Geka** 1986 Oct;14(11):1335–44 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Immunocytochemical localization of factor VIII-related antigen in tumors of the human central nervous system. Miyagami M, et al. **J Neurooncol** 1987;4(3):269–85

Estrogen receptor immunoreactivity in meningiomas. Comparison with the binding activity of estrogen, progesterone, and androgen receptors. Lesch KP, et al. **J Neurosurg** 1987 Aug;67(2):237–43

METABOLISM

Non-glial specificities of immunocytochemistry for the glial fibrillary acidic protein (GFAP). Triple expression of GFAP, vimentin and cytokeratins in papillary meningioma and metastasizing renal carcinoma. Budka H. **Acta Neuropathol (Berl)** 1986;72(1):43–54

Correlation between estrophilin immunoreactivity and androgen receptor-binding activity in meningiomas. Lesch KP, et al. **Eur Neurol** 1987;26(4):252–7

Steroid receptors in meningiomas [editorial] Challa VR. **Surg Neurol** 1987 Sep;28(3):232

Androgen receptor binding activity in meningiomas. Lesch KP, et al. **Surg Neurol** 1987 Sep;28(3):176–80

Estrophilin immunoreactivity versus estrogen receptor binding activity in meningiomas: evidence for multiple estrogen binding sites. Lesch KP, et al. **Surg Neurol** 1987 Sep;28(3):181–8

MICROBIOLOGY

Isolation of Inoue-Melnick virus from human meningioma-derived cell cultures and detection of antibody in patients with meningioma. Inoue YK, et al. **J Med Virol** 1987 Mar;21(3):201–5

OCCURRENCE

Incidental meningiomas in autopsy study. Nakasu S, et al. **Surg Neurol** 1987 Apr;27(4):319–22

PATHOLOGY

Meningioma of the free edge of the tentorium cerebelli. Case report. Baldini M, et al. **Acta Neurol (Napoli)** 1986 Dec; 8(6):648–54

Somatostatin suppression of meningioma cell proliferation in vitro. Kunert-Radek J, et al. **Acta Neurol Scand** 1987 Jun; 75(6):434–6

Meningioma with multiple rheumatoid nodules. A case report. Kepes JJ, et al. **Acta Neuropathol (Berl)** 1986; 70(3–4):314–9

Proliferative potential of meningiomas determined with the monoclonal antibody Ki-67. Roggendorf W, et al. **Acta Neuropathol (Berl)** 1987;73(4):361–4

Growth activity of tumors at different intracranial structures: immunohistochemical study with bromodeoxyuridine. Yoshimine T, et al. **Acta Neuropathol (Berl)** 1986; 71(1–2):15–8

"Benign" metastasizing meningiomas.Som PM, et al. **AJNR** 1987 Jan–Feb;8(1):127–30

Cystic meningioma presenting as a ring lesion. Zagzag D, et al. **AJNR** 1986 Sep–Oct;7(5):911–2

Histopathologic features predicting recurrence of meningiomas following subtotal resection. de la Monte SM, et al. **Am J Surg Pathol** 1986 Dec;10(12):836–43

Extradural spinal meningioma presenting as a neck mass. Diagnosis by aspiration cytology. Dusenbery D, et al. **Arch Pathol Lab Med** 1987 May;111(5):483–5

Meningiomas. An immunohistochemical study of 50 cases. Meis JM, et al. **Arch Pathol Lab Med** 1986 Oct; 110(10):934–7

Meningeal myelomatosis [letter] Melato M, et al. **Arch Pathol Lab Med** 1987 Feb;111(2):111–2

Cystic meningiomas in children. Reddy DR, et al. **Childs Nerv Syst** 1986;2(6):317–9

"Intradural chordoma" or "giant ecchordosis physaliphora"? Report of two cases. Wolfe JT 3d, et al. **Clin Neuropathol** 1987 May–Jun;6(3):98–103

CSF cytology of a patient with conversion of an acute lymphatic leukemia to an acute eosinophilic leukemia. Kollegger H, et al. **Eur Neurol** 1986;25(5):320–6

Meningioma of the scalp: a case report with immunohistological features. Theaker JM, et al. **J Cutan Pathol** 1987 Feb;14(1):49–53

Pathology of brain parenchyma in meningeal carcinomatosis; immunohistochemical study with astroprotein (GFAP) and tubulin. Jamshidi J, et al. **J Neurooncol** 1987;5(1):65–71

Immunohistochemistry of meningiomas including the angioblastic type. Holden J, et al. **J Neuropathol Exp Neurol** 1987 Jan;46(1):50–6

Analysis of hemangiopericytic meningiomas by immunohistochemistry, electron microscopy and cell culture. Nakamura M, et al. **J Neuropathol Exp Neurol** 1987 Jan;46(1):57–71

Prediction of tumor doubling time in recurrent meningiomas. Cell kinetics studies with bromodeoxyuridine labeling. Cho KG, et al. **J Neurosurg** 1986 Dec;65(6):790–4

Primary melanomas of the central nervous system [letter] Savitz MH. **J Neurosurg** 1987 Jun;66(6):948

Development of experimental meningeal gliomatosis models in rats. Yoshida T, et al. **J Neurosurg** 1986 Oct;65(4):503–7

Extracranial and intracranial meningiomas. Gagnon NB, et al. **J Otolaryngol** 1986 Dec;15(6):380–4

Metastasis of lung carcinoma to intracranial meningioma. Case report and review of literature. Conzen M, et al. **Neurochirurgia (Stuttg)** 1986 Sep;29(5):206–9

Relation of meningiomas to their nearest environment and its significance for recurrence of the tumor. Kunicki A. **Neuropatol Pol** 1986;24(4):511–20

Meningioma in a child [letter] Fisher RG. **Neurosurgery** 1987 Feb;20(2):347–8

Metastasizing meningioma. Russell T, et al. **Neurosurgery** 1986 Dec;19(6):1028–30

Meningioangiomatosis not associated with von Recklinghausen's disease. Sakaki S, et al. **Neurosurgery** 1987 May;20(5):797–801

Leptomeningeal dissemination of primary brain tumors in children: clinical and experimental studies. Ushio Y, et al. **Prog Exp Tumor Res** 1987;30:194–205

Intracranial meningiomas in infancy. Sakaki S, et al. **Surg Neurol** 1987 Jul;28(1):51–7

Malignant meningiomas—clinical and pathological study of 10 cases. Su CF, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Jun;85(6):608–23

Hemangiopericytoma of meninges. I. Histopathological variability and differential diagnosis. Kochanek S, et al. **Zentralbl Neurochir** 1986;47(3):183–90

[Pleomorphic xanthoastrocytoma versus glioblastoma multiforme] Chou SM. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Dec;15(4):277–8 (Eng. Abstr.) **(Chi)**

[Involvement of the central nervous system in chronic myeloid leukemia] Voglová J, et al. **Vnitr Lek** 1987 Apr; 33(4):361–6 (Eng. Abstr.) **(Cze)**

[Plain imaging of meningioma in NMR tomography—retrospective contrast optimization by image synthesis] Just M, et al. **Digitale Bilddiagn** 1986 Dec; 6(4):156–60 (Eng. Abstr.) **(Ger)**

[Invasive meningioma of the anterior cranial fossa. Report of 2 cases] Berlit P, et al. **Nervenarzt** 1986 Nov; 57(11):649–53 (Eng. Abstr.) **(Ger)**

[Description of neurocutaneous melanoblastosis] Bernstein K, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Oct; 38(10):597–605 (Eng. Abstr.) **(Ger)**

[An autopsy case of meningeal carcinomatosis with vestibulocochlear nerve disturbance as the first manifestation] Hattori S, et al. **Gan No Rinsho** 1986 Dec; 32(15):1974–80 (Eng. Abstr.) **(Jpn)**

[A case of malignant meningioma with subcutaneous infiltration of the scalp] Masuda Y, et al. **Gan No Rinsho** 1986 Nov;32(14):1849–54 (Eng. Abstr.) **(Jpn)**

[Multiple primary intracranial tumors of different cell types. Case report] Kawaguchi S, et al. **Neurol Med Chir (Tokyo)** 1986 Aug;26(8):639–43 (Eng. Abstr.) **(Jpn)**

[Histopathological investigation of meningioangiomatosis. Case report] Kunishio K, et al. **Neurol Med Chir (Tokyo)** 1987 Mar;27(3):240–3 (Eng. Abstr.) **(Jpn)**

[Meningioma and underlying brain] Nakasu S, et al. **Neurol Med Chir (Tokyo)** 1986 Nov;26(11):851–6 (Eng. Abstr.) **(Jpn)**

[Bifrontal cystic falx meningioma. With a reference to the diagnosis and etiological background of cyst formation—case report] Yamaguchi T, et al. **Neurol Med Chir (Tokyo)** 1986 Aug;26(8):644–8 (Eng. Abstr.) **(Jpn)**

[A case of IgD myeloma with meningeal and testicular

involvement] Shimatsu A, et al. **Nippon Naika Gakkai Zasshi** 1986 Sep;75(9):1267–73 **(Jpn)**

[Deep sylvian meningioma: case report and review of the literature] Hirao M, et al. **No Shinkei Geka** 1986 Nov; 14(12):1471–8 (Eng. Abstr.) **(Jpn)**

[The meningioma within the lateral ventricle in infancy—a case report] Shirasaka A, et al. **No Shinkei Geka** 1987 May; 15(5):569–72 (Eng. Abstr.) **(Jpn)**

[Differentiation of acute monocytic leukemia cells to polymorphonuclear like cells in cerebro-spinal fluid] Hirose M, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1950–6 (Eng. Abstr.) **(Jpn)**

[A case of chronic myelogenous leukemia who survived for more than 3 years after sequential lymphoid and myeloid crises and pre-B cell CNS involvement] Shimizu S, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1869–73 (Eng. Abstr.) **(Jpn)**

[A specific lesion of the central nervous system in lymphocytic leukemia] Iavorkovskii LI, et al. **Gematol Transfuziol** 1987 Mar;32(3):42–7 **(Rus)**

[Primary malignant melanomatosis of the brain meninges] Parkhomenko VM, et al. **Vrach Delo** 1987 Apr;(4):87–9 **(Rus)**

PHYSIOPATHOLOGY

Meningeal involvement as the initial symptom of B cell chronic lymphocytic leukemia. Boogerd W, et al. **Eur Neurol** 1986;25(6):461–4

Diaphragmatic flutter in a patient with lymphoma. Barrio JL, et al. **Mt Sinai J Med (NY)** 1987 Feb;54(2):188–90

Membrane phospholipid composition and membrane fluidity of human brain tumour: a spin label study. Hattori T, et al. **Neurol Res** 1987 Mar;9(1):38–43

[Effect of pregnancy on Recklinghausen's disease (letter)] Douvier S, et al. **Presse Med** 1987 May 16;16(18):916 **(Fre)**

[Local cerebral blood flow and glucose metabolism in experimental meningeal carcinomatosis] Yamada N, et al. **No To Shinkei** 1986 Nov;38(11):1077–85 (Eng. Abstr.) **(Jpn)**

[Mechanism of glucose tolerance disorders in tumors located in the sellar-diencephalic area] Tenedieva VD, et al. **Zh Vopr Neirokhir** 1986 Sep-Oct;(5):14–9 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Treatment of standard- and high-risk childhood acute lymphoblastic leukaemia with two CNS prophylaxis regimens. Ortega JJ, et al. **Hamatol Bluttransfus** 1987; 30:483–92

Central nervous system (CNS) prophylaxis in children with low risk acute lymphoblastic leukemia (ALL). Littman P, et al. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1443–9

Is cranial radiation necessary for CNS prophylaxis in pediatric NHL? Mandell LR, et al. **Int J Radiat Oncol Biol Phys** 1987 Mar;13(3):359–63

Cranial irradiation is not necessary for central-nervous-system prophylaxis in pediatric non-Hodgkin's lymphoma [editorial] Murphy SB, et al. **Int J Radiat Oncol Biol Phys** 1987 Mar;13(3):467–8

Differences in cerebrospinal fluid penetration of corticosteroids: possible relationship to the prevention of meningeal leukemia. Balis FM, et al. **J Clin Oncol** 1987 Feb;5(2):202–7

[Intrathecal radiogold prophylaxis and the cerebrospinal fluid findings in children with acute lymphoblastic leukemia] Reddemann H, et al. **Folia Haematol (Leipz)** 1986; 113(4):466–73 (Eng. Abstr.) **(Ger)**

[Preliminary studies of radiation port in children receiving cranial irradiation for preventing central nervous system disease of acute lymphoblastic leukemia (ALL)] Mioshi T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Jun 25; 46(6):819–24 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Imaging of intradural extramedullary tumours: neurinomas and meningiomas. Boisserie-Lacroix M, et al. **J Neuroradiol** 1987;14(1):66–81 **(Eng, Fre)**

Multiple meningiomas evaluated by computed tomography. Locatelli D, et al. **Neurochirurgia (Stuttg)** 1987 Jan; 30(1):8–10

The value of enhanced "dynamic" computed tomography in localizing a spinal juxtamedullary meningioma. Enhanced dynamic CT in localizing a spinal meningioma. Boccardo M, et al. **Neuroradiology** 1987;29(3):313

Primary intraspinal fibrosarcoma. Malat J, et al. **Neurosurgery** 1986 Sep;19(3):434–6

Posterior fossa meningiomas. Hubschmann OR, et al. **NJ Med** 1987 Mar;84(3):185–9

Meningeal hemangiopericytoma. Ito H, et al. **Surg Neurol** 1986 Nov;26(5):505–11

Cystic lesions associated with meningiomas. Maiuri F, et al. **Surg Neurol** 1986 Dec;26(6):591–7

[CT diagnosis of meningioma (analysis of 215 cases)] Chen XR. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Oct; 20(5):292–5 (Eng. Abstr.) **(Chi)**

[CT diagnosis of meningioma: an analysis of 42 cases] Lin LJ. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Aug; 20(4):215–7 (Eng. Abstr.) **(Chi)**

[Multiple intracranial meningiomas] Wu JP, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Oct;24(10):611–2, 639 (Eng. Abstr.) **(Chi)**

[Unusual computed tomographic appearances of intracranial meningiomas] Schleppi V, et al. **Rontgenpraxis** 1987 May; 40(5):171–5 **(Ger)**

[Diagnostic value of digital subtraction angiography of brain tumors, with special reference to the significance of tumor stains] Hirata Y, et al. **Neurol Med Chir (Tokyo)** 1986 Oct; 26(10):765–70 (Eng. Abstr.) **(Jpn)**

[A case of convexity cavernous hemangioma associated with meningioma] Kunishio K, et al. **No Shinkei Geka** 1986 Nov; 14(12):1487–91 (Eng. Abstr.) **(Jpn)**

[Neuroradiological evaluation of benign extramedullary tumors in the high cervical region and at the foramen magnum] Nishiura I, et al. **No Shinkei Geka** 1986 Jun; 14(7):837–45 (Eng. Abstr.) **(Jpn)**

[Computer-tomographic characteristics of changes accompanying intracranial meningiomas] Kolder I, et al. **Zh Vopr Neirokhir** 1987 Jan-Feb;(1):28–31 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Radioimmunolocalization of human brain tumours: biodistribution of radiolabelled monoclonal antibody UJ13A. Richardson RB, et al. **Eur J Nucl Med** 1986; 12(7):313–20

Preferential accumulation of 11C in human brain tumors after intravenous injection of 11C-1-pyruvate. Tsukiyama T, et al. **Eur J Nucl Med** 1986;12(5–6):244–8

Glucose utilization by intracranial meningiomas as an index of tumor aggressivity and probability of recurrence: a PET study. Di Chiro G, et al. **Radiology** 1987 Aug;164(2):521–6

In vivo quantitation using SPECT of radiopharmaceutical uptake by human meningiomas. Front D, et al. **Radiology** 1987 Jul;164(1):93–6

Intracranial tumors: unexpected uptake of I-123 HIPDM. McVeigh MC, et al. **Radiology** 1986 Nov;161(2):409–11

[Computerized radionuclide angiography of brain tumors. Analysis of activity-time curves] Bartolini A, et al. **Riv Neurol** 1986 Mar-Apr;56(2):75–81 (Eng. Abstr.) **(Ita)**

[Regional cerebral blood flow measurement in brain tumors] Izunaga H, et al. **Radioisotopes** 1986 Oct;35(10):528–34 (Eng. Abstr.) **(Jpn)**

[Radionuclide diagnosis of rhinosinusogenic inflammatory processes in the brain] Blagoveshchenskaia NS, et al. **Vestn Otorinolaringol** 1987 Jul-Aug;(4):3–6 (Eng. Abstr.) **(Rus)**

RADIOTHERAPY

Irradiation of meningiomas of the intracranial anterior visual pathway. Kupersmith MJ, et al. **Ann Neurol** 1987 Feb; 21(2):131–7

The cribriform plate: a sanctuary site for meningeal leukaemia. Williams MV. **Br J Radiol** 1987 May; 60(713):469–75

Intermittent central nervous system irradiation and intrathecal chemotherapy for central nervous system leukemia in children. Kim TH, et al. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1451–5

Radiation therapy in the treatment of partially resected meningiomas. Barbaro NM, et al. **Neurosurgery** 1987 Apr; 20(4):525–8

Brachytherapy of recurrent tumors of the skull base and spine with iodine-125 sources. Gutin PH, et al. **Neurosurgery** 1987 Jun;20(6):938–45

Radiation and chemotherapy of parameningeal rhabdomyosarcoma involving the orbit. Haik BG, et al. **Ophthalmology** 1986 Aug;93(8):1001–9

A new method for treatment of unresectable, recurrent brain tumors with single permanent high-activity 125iodine brachytherapy. Kumar PP, et al. **Radiat Med** 1986 Jan-Mar;4(1):12–20

Partial response of meningeal myeloma to craniospinal radiotherapy. Brenner B, et al. **Scand J Haematol** 1986 Oct; 37(4):360–2

[Acute encephalopathy following cranial irradiation of previously treated meningeal leukemia] Bode U, et al. **Strahlenther Onkol** 1986 Oct;162(10):618–20 (Eng. Abstr.) **(Ger)**

[Pre-radiation care in proton irradiation of tumors of the cavernous sinus] Luchin EI, et al. **Med Radiol (Mosk)** 1986 Oct;31(10):8–13 (Eng. Abstr.) **(Rus)**

SECONDARY

Bronchioloalveolar carcinoma presenting with meningeal carcinomatosis. Cytologic diagnosis in cerebrospinal fluid. Csako G, et al. **Acta Cytol (Baltimore)** 1986 Nov-Dec; 30(6):653–6

Cerebrospinal fluid cytology diagnosis of meningeal carcinomatosis in patients with small-cell carcinoma of the lung. A study of interobserver and intraobserver variability. Pedersen AG, et al. **Acta Cytol (Baltimore)** 1986 Nov-Dec; 30(6):648–52

Neuroblastoma with meningeal involvement causing increased intracranial pressure and coma in two children. Feldges AJ, et al. **Am J Pediatr Hematol Oncol** 1986 Winter;8(4):355–7

Metastasis of invasive carcinoma of the breast to an extradural meningioma of the cranial vault. Doron Y, et al. **Cancer** 1987 Sep 1;60(5):1081–4 (33 ref.)

Meningeal carcinomatosis in head and neck cancer. Report of six cases and review of the literature. Redman BG, et al. **Cancer** 1986 Dec 15;58(12):2656–61

Primary intracranial ependymoblastoma presenting as spinal cord compression due to metastasis. Shyn PB, et al. **Childs Nerv Syst** 1986;2(6):323–5

Diagnosis of leptomeningeal metastasis. Twijnstra A, et al. **Clin Neurol Neurosurg** 1987;89(2):79–85

Meningeal metastasis of squamous-cell carcinoma of the uterine cervix: case report and review of the literature. Weithman AM, et al. **Diagn Cytopathol** 1987 Jun;3(2):170–2

Cerebrospinal fluid tumor markers for the diagnosis and management of leptomeningeal metastases. Malkin MG, et al. **Eur J Cancer Clin Oncol** 1987 Jan;23(1):1–4

Diagnosis and treatment of meningeal carcinomatosis in ten patients with breast cancer. Schabet M, et al. **Eur Neurol** 1986;25(6):403–11

Leptomeningeal involvement by epithelial ovarian carcinoma: a case report. Stein M, et al. **Gynecol Oncol** 1987 Jun;27(2):241–5

Spinal subarachnoid tumor seeding from intracranial metastasis: MR findings. Barloon TJ, et al. **J Comput Assist Tomogr** 1987 Mar-Apr;11(2):242–4

The clinical relevance of locally produced carcinoembryonic antigen in cerebrospinal fluid. Jacobi C, et al. **J Neurol** 1986 Nov;233(6):358–61

Sensitivity and specificity of single and combined tumour markers in the diagnosis of leptomeningeal metastasis from breast cancer. Twijnstra A, et al. **J Neurol Neurosurg Psychiatry** 1986 Nov;49(11):1246–50

CSF myelin basic protein levels in leptomeningeal metastases. Relationship to disease activity. Siegal T, et al. **J Neurol Sci** 1987 Apr;78(2):165–73

Brain surface invasion and metastasis of murine malignant melanoma variants. Nicolson GL, et al. **J Neurooncol** 1987; 4(3):209–18

Alteration of blood-brain-CSF barrier in experimental meningeal carcinomatosis. A morphologic and adriamycin-penetration study. Siegal T, et al. **J Neurooncol** 1987;4(3):233–42

Intradural spinal metastases in patients with posterior fossa brain metastases from various primary cancers. Mirimanoff RO, et al. **Oncology** 1987;44(4):232–6

Hematogenous spinal leptomeningeal metastasis: a unique CT enhancement pattern. Hoffman SM, et al. **Pediatr Radiol** 1987;17(2):147–8

Subarachnoid dissemination of a pituitary adenoma. Kuroki M, et al. **Surg Neurol** 1987 Jul;28(1):71–6

[Meningitis carcinomatosa caused by perineural extension of oropharyngeal tumors. Presentation of 2 cases and a short review of the literature] Debois JM. **Acta Clin Belg** 1987; 42(1):12–8 (Eng. Abstr.) **(Dut)**

[Diffuse metastatic leptomeningeal carcinomatosis (DMLC)] Ishikura A, et al. **Gan No Rinsho** 1987 Jul;33(8):881–4 (Eng. Abstr.) **(Jpn)**

[Meningeal dissemination of cerebellar medulloblastoma] Yamazaki H, et al. **Neurol Med Chir (Tokyo)** 1986 Jun; 26(6):475–80 (Eng. Abstr.) **(Jpn)**

[Carcinoma originating in an intracranial epidermal cyst. Case report] Maffazzoni DR, et al. **Arq Neuropsiquiatr** 1986 Dec; 44(4):391–4 (Eng. Abstr.) **(Por)**

SURGERY

Possibilities and limitations of microsurgery in patients with meningiomas of the sellar region. Probst C **Acta Neurochir (Wien)** 1987;84(3–4):99–102

The clinical course of surgically treated posttraumatic subdural hygromas. Wetterling T, et al. **Acta Neurochir (Wien)** 1986;83(3–4):99–104

Surgical treatment of acute subdural hygroma in children. Mircevski M, et al. **Childs Nerv Syst** 1986;2(6):314–6

Recurrent meningioma within pericranial tissues outside a cranioplasty. Gaudio R, et al. **J Neurosurg Sci** 1986 Jul-Sep;30(3):143–5

Dorsal meningioma developed between two sheets of the spinal dura mater. Case report. Pagni CA, et al. **J Neurosurg Sci** 1986 Jul-Sep;30(3):153–4

Complete removal of a huge olfactory grooves meningioma in a child. Case report. Pluchino F, et al. **J Neurosurg Sci** 1985 Oct-Dec;29(4):327–30

Extrameningeal meningiomas of the infratemporal fossa: diagnosis and treatment. Inglis AF, et al. **Laryngoscope** 1987 Jun;97(6):689–92

Meningioma in the parotid region. Nichols RD, et al. **Laryngoscope** 1987 Jun;97(6):693–6

Cavernous sinus meningiomas. Cioffi FA, et al. **Neurochirurgia (Stuttg)** 1987 Mar;30(2):40–7

Spinal meningiomas. Namer IJ, et al. **Neurochirurgia (Stuttg)** 1987 Jan;30(1):11–5

Transoral transclival removal of anteriorly placed meningiomas at the foramen magnum. Miller E, et al. **Neurosurgery** 1987 Jun;20(6):966–8

Intracranial meningiomas in children. Drake JM, et al. **Pediatr Neurosci** 1985–86;12(3):134–9

[Ablation by the anterior transcorporeal approach of an ante-spinal cord cervical meningioma. Apropos of a case] Lenelle J, et al. **Neurochirurgie** 1986;32(3):262–5 (Eng. Abstr.) **(Fre)**

[Activation of coagulation following surgery of intracranial meningioma (letter)] Menguy E, et al. **Presse Med** 1987 Apr 4;16(12):587–8 **(Fre)**

[Clinical aspects, therapy and prognosis of meningeal

sarcomas] Szuwart U, et al. **Nervenarzt** 1987 Apr; 58(5):287–91 **(Ger)**

[Postoperative complications in space occupying processes of the base of the skull] Friedrich P, et al. **Zentralbl Neurochir** 1986;47(2):105–10 (Eng. Abstr.) **(Ger)**

[Meningiomas of the spinal canal. Clinical aspects and long-term results] Grawe A, et al. **Zentralbl Neurochir** 1986;47(2):139–43 (Eng. Abstr.) **(Ger)**

[4 cases of a surgically treated central form of Recklinghausen's disease] Jaskólski D, et al. **Wiad Lek** 1987 Jan 1;40(1):43–8 (Eng. Abstr.) **(Pol)**

[Approach to tumors of the chiasm-sellar region with preservation of the olfactory tracts] Tigliev GS, et al. **Zh Vopr Neirokhir** 1986 Nov–Dec;(6):13–6 (Eng. Abstr.) **(Rus)**

THERAPY

Preoperative embolization of intracranial meningiomas. Manelfe C, et al. **AJNR** 1986 Sep–Oct;7(5):963–72

Improved prognosis with intensive treatment of children with cranial soft tissue sarcomas arising in nonorbital parameningeal sites. A report from the Intergroup Rhabdomyosarcoma Study. Raney RB Jr, et al. **Cancer** 1987 Jan 1;59(1):147–55

Adoptive immunotherapy of human meningeal gliomatosis and carcinomatosis with LAK cells and recombinant interleukin-2. Shimizu K, et al. **J Neurosurg** 1987 Apr; 66(4):519–21

Subarachnoid hemorrhage after preoperative embolization of a cystic meningioma. Hayashi T, et al. **Surg Neurol** 1987 Mar;27(3):295–300

Head tourniquet to prevent necrosis after embolization [letter] Parkinson D. **Surg Neurol** 1986 Nov;26(5):518

[Antitumor efficacy of recombinant interferon-beta on human glioma] Miyao Y, et al. **Gan To Kagaku Ryoho** 1987 Feb;14(2):490–4 (Eng. Abstr.) **(Jpn)**

[Meningioma with intratumoral and subdural hemorrhage as an immediate complication of therapeutic embolization. Case report] Watanabe K, et al. **Neurol Med Chir (Tokyo)** 1986 Nov;26(11):904–7 (Eng. Abstr.) **(Jpn)**

[Chemical embolization using conjugated estrogen—a clinical study of 40 cases] Nagamine Y, et al. **No Shinkei Geka** 1987 May;15(5):503–10 (Eng. Abstr.) **(Jpn)**

[Cystic meningioma associated with intratumor and subarachnoid hemorrhage during embolization—a case report] Shojima K, et al. **No Shinkei Geka** 1986 Jun; 14(7):919–24 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Formation of psammoma bodies in meningocytic whorls. Ultrastructural study and analysis of calcified material. Kubota T, et al. **Acta Neuropathol (Berl)** 1986;70(3–4):262–8

Histopathologic investigation of a case of meningioangiomatosis not associated with von Recklinghausen's disease. Kunishio K, et al. **Surg Neurol** 1987 Jun;27(6):575–9

Metastatic meningioma of the lung. Aumann JL, et al. **Thorax** 1986 Jun;41(6):487–8

VETERINARY

Atypical location of granular cell tumors in two dogs. Engelhardt JA, et al. **Vet Pathol** 1987 May;24(3):273–6

Immunohistochemical and electron microscopic study of meningeal granular cell tumors in rats. Mitsumori K, et al. **Vet Pathol** 1987 Jul;24(4):356–9

Spontaneous tumors of the meninges in rats. Mitsumori K, et al. **Vet Pathol** 1987 Jan;24(1):50–8

[Surgical excision of meningioma of the posterior fossa in a dog after detection by x-ray computed tomography] Moreau JJ, et al. **Neurochirurgie** 1986;32(6):523–8 (Eng. Abstr.) **(Fre)**

MENINGES

The clinical course of surgically treated posttraumatic subdural hygromas. Wetterling T, et al. **Acta Neurochir (Wien)** 1986;83(3–4):99–104

Terson's syndrome—significance of ocular findings. Toosi SH, et al. **Ann Ophthalmol** 1987 Jan;19(1):7–12

Leptomeningeal cysts after spot freezing: transmission and scanning electron microscopic observations. de Estable-Puig RF, et al. **Exp Pathol** 1986;30(3):181–8

Leptomeningeal cyst of the posterior fossa. Case report. Nemoto S, et al. **J Neurosurg** 1986 Nov;65(5):704–5

Spinal leptomeningeal sarcoidosis. Huang H, et al. **Neuroradiology** 1987;29(1):100

Cervical meningeal histiocytosis demonstrated by magnetic resonance imaging. Drolshagen LF, et al. **Pediatr Radiol** 1987;17(1):63–4

Cystic meningiomas—an update. Pinna G, et al. **Surg Neurol** 1986 Nov;26(5):441–52

[Inappropriate secretion of ADH in neuromeningeal sarcoidosis (letter)] Bosquet F, et al. **Ann Med Interne (Paris)** 1987;138(1):79 **(Fre)**

ANATOMY & HISTOLOGY

The lumbar subdural extraarachnoid space of humans: an anatomical study using spinaloscopy in autopsy cases. Blomberg RG. **Anesth Analg** 1987 Feb;66(2):177–80

[Headache and the somatotopic organization of Gasser's ganglion] Steiger HJ. **Schweiz Med Wochenschr** 1986 Oct 18;116(42):1441–5 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Hirano body in an inflammatory cell of leptomeningeal vessel infected by fungus Paecilomyces. Ho KL, et al. **Acta Neuropathol (Berl)** 1986;71(1–2):159–62

The immunopathology of acute experimental allergic encephalomyelitis. IV. An ultrastructural immunocytochemical study of class II major histocompatibility complex molecule (Ia) expression. Sobel RA, et al. **J Neuropathol Exp Neurol** 1987 May; 46(3):239–49

Variants of radiculomeningeal vascular malformations of the spine [published erratum appears in J Neurosurg 1987 Sep;67(3):474] Cahan LD, et al. **J Neurosurg** 1987 Mar; 66(3):333–7

Diffuse meningocerebral angiodysplasia and renal agenesis: a case report. Valdivieso EM, et al. **Pediatr Pathol** 1986; 6(1):119–26

CYTOLOGY

Influence of meningeal cells on the proliferation and maturation of rat neuroblasts in culture. Gensburger C, et al. **Exp Brain Res** 1986;63(2):321–30

Macrophages in the central nervous system of the rat. Sminia T, et al. **Immunobiology** 1987 Jan;174(1):43–50

ENZYMOLOGY

Enkephalin-degrading enzymes and angiotensin-converting enzyme in human and rat meninges. Zajac JM, et al. **FEBS Lett** 1987 May 25;216(1):118–22

[Immunohistochemical demonstration of neuron-specific enolase in meningiomas and in normal meningocytes] Ikeda H, et al. **Neurol Med Chir (Tokyo)** 1986 Dec;26(12):945–50 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Identification and quantitation of the expression of T cell surface markers during the development of chronic relapsing experimental allergic encephalomyelitis (CREAE) in the guinea pig. Antoniou AV, et al. **J Neuroimmunol** 1987 Apr;14(3):293–303

Activated T-cells and macrophages in the cerebrospinal fluid and the spinal meningeal exudate in chronic relapsing experimental allergic encephalomyelitis. Suckling AJ, et al. **J Neurol Sci** 1987 May;78(3):241–52

Meningeal macrophages reflect lymphocytic choriomeningitis virus pathogenic phenotypes. Woods SJ, et al. **Scand J Immunol** 1987 Aug;26(2):97–103

INJURIES

[Diagnostic and therapeutic problems of osteomeningeal defects and traumatic cerebrospinal fluid defects of the anterior floor of the base of the skull. Apropos of 95 cases] Chabannes J, et al. **Neurochirurgie** 1987;33(2):112–7 (Eng. Abstr.) **(Fre)**

METABOLISM

Substance P-like immunoreactivity in rat forebrain leptomeninges and cerebral vessels originates from the trigeminal but not sympathetic ganglia. Saito K, et al. **Brain Res** 1987 Feb 10;403(1):66–71

MICROBIOLOGY

Selective tropism of a neurotropic coronavirus for ependymal cells, neurons, and meningeal cells. Tardieu M, et al. **J Virol** 1986 Nov;60(2):574–82

PATHOLOGY

Compressive meningeal hypertrophy in mucopolysaccharidosis [letter] Banna M, et al. **AJNR** 1987 Mar–Apr;8(2):385–6

Diffuse meningeal melanosis (an unusual presentation). Sooknundun M, et al. **J Laryngol Otol** 1987 Jul; 101(7):753–7

Non-obstructive idiopathic pachymeningitis cervicalis hypertrophica. Kao KP, et al. **J Neurol Neurosurg Psychiatry** 1986 Dec;49(12):1441–4

Relation of meningiomas to their nearest environment and its significance for recurrence of the tumor. Kunicki A. **Neuropatol Pol** 1986;24(4):511–20

Dissemination of primary central nervous system tumors of childhood: incidence and clinical implications. Packer RJ, et al. **Prog Exp Tumor Res** 1987;30:206–14

Histopathologic investigation of a case of meningioangiomatosis not associated with von Recklinghausen's disease. Kunishio K, et al. **Surg Neurol** 1987 Jun;27(6):575–9

PHYSIOLOGY

Meningeal cells influence cerebellar development over a critical period. Sievers J, et al. **Anat Embryol (Berl)** 1986; 175(1):91–100

RADIOGRAPHY

Growing fracture of the skull in the elderly [letter] Rahimizadeh A. **Neurosurgery** 1986 Oct;19(4):675–6

[Computerized tomographic examination of the stereotaxic topography of the meningeal spaces of the cow (Bos taurus L.)] Lignereux Y, et al. **Anat Histol Embryol** 1986 Dec; 15(4):289–302 (Eng. Abstr.) **(Fre)**

MENINGIOMA

Sphenoidal ridge meningioma. Fohanno D, et al. **Adv Tech Stand Neurosurg** 1986;14:137–74 (19 ref.)

Meningioma preceding breast cancer. Colomer R, et al. **Cancer Treat Rep** 1987 May;71(5):550–1

Intracranial meningiomas: a report of 13 cases. Djavadkhani K, et al. **Med J Malaysia** 1985 Dec;40(4):321–4

[Epidural spinal meningiomas. Review of the literature and presentation of a clinical case] Pagni CA, et al. **Minerva Med** 1987 Jun 15;78(11):751–74 (Eng. Abstr.) **(Ita)**

ANALYSIS

Epithelial membrane antigen expression by meningiomas, and the perineurium of peripheral nerve [letter] Theaker JM, et al. **Arch Pathol Lab Med** 1987 May;111(5):409

Characterization of the epidermal growth factor receptor in human meningioma. Weisman AS, et al. **Cancer Res** 1987 Apr 15;47(8):2172–6

Gonadal steroid receptors in meningiomas. Lesch KP, et al. **J Neurol** 1987 Jun;234(5):328–33

Correlation of meningioma hormone receptor status with hormone sensitivity in a tumor stem-cell assay. Grunberg SM, et al. **J Neurosurg** 1987 Mar;66(3):405–8

Correlation of tumor plasminogen activator with peritumoral cerebral edema. A CT and biochemical study. Quindlen EA, et al. **J Neurosurg** 1987 May;66(5):729–33

Inhibition of tumor-induced migration of bovine capillary endothelial cells by mouse and rabbit tumor necrosis factor. Mano-Hirano Y, et al. **JNCI** 1987 Jan;78(1):115–20

[Characterization of the estradiol receptor in human meningioma using saccharose gradients] Medina M, et al. **Rev Invest Clin** 1987 Jan–Mar;39(1):29–33 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Meningioma associated with aneurysm and subarachnoid hemorrhage: case report and review of the literature. Bloomgarden GM, et al. **Neurosurgery** 1987 Jan;20(1):24–6

Disappearance of a tumor shadow fed by the tentorial artery after embolization of the external carotid artery. Minakawa T, et al. **Surg Neurol** 1987 Sep;28(3):208–10

CEREBROSPINAL FLUID

[Cerebrospinal fluid dynamics in tumors of the spinal cord and cauda equina] Okladnikov GI. **Zh Nevropatol Psikhiatr** 1986;86(7):1051–4 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Associated spinal meningioma and neurinoma. A case report. Angiari P, et al. **Acta Neurol (Napoli)** 1987 Jun;9(3):218–23

On the spinal pathways mediating scalp-SEPs to upper and lower limb nerve stimulation: case report and discussion. Rossini PM, et al. **Acta Neurol Scand** 1986 Sep;74(3):230–4

Thoracic spinal meningioma associated with hydrocephalic dementia [letter] Wang AM, et al. **AJNR** 1987 Mar–Apr; 8(2):383–4

Meningiomas and obesity reconsidered [letter] Jacobs DH, et al. **Ann Neurol** 1986 Sep;20(3):376

Massive cerebral edema associated with meningioma. Jagadha V, et al. **Can J Neurol Sci** 1987 Feb;14(1):55–8

Mental impairment in unilateral frontal tumours: role of the laterality of the lesion. Belyi BI. **Int J Neurosci** 1987 Feb; 32(3–4):799–810

Acute, severe, symmetric visual loss with cecocentral scotomas due to olfactory groove meningioma. Slavin ML. **J Clin Neuro Ophthalmol** 1986 Dec;6(4):224–7

Resolution of optociliary shunt vessels. Tyson SL, et al. **J Clin Neuro Ophthalmol** 1986 Dec;6(4):205–8

Repeated subarachnoid hemorrhages from a cervical meningioma. Case report. Scotti G, et al. **J Neurosurg** 1987 May;66(5):779–81

Postsurgical disappearance of dementia without increased cerebral blood flow in hydrocephalic patients. Matsuda M, et al. **Neurol Med Chir (Tokyo)** 1987 Jan;27(1):24–30

Peritumoral edema in meningiomas. A radiological and histological study. Bradac GB, et al. **Neuroradiology** 1986; 28(4):304–12

A large meningioma presenting as a neurologic emergency in late pregnancy. DeGrood RM, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):439–40

Meningioma in a chronic schizophrenic. Roberts JA, et al. **Scott Med J** 1987 Jun;32(3):83–4

Meningeal neoplasms associated with cerebral vascular malformations. Bitoh S, et al. **Surg Neurol** 1987 May; 27(5):469–75

Cerebral edema associated with meningiomas. Maiuri F, et al. **Surg Neurol** 1987 Jan;27(1):64–8

Cystic meningiomas—an update. Pinna G, et al. **Surg Neurol** 1986 Nov;26(5):441–52

[Consumption coagulopathy and meningioma] Bodin D, et al. **Ann Fr Anesth Reanim** 1986;5(3):308–11 (Eng. Abstr.) **(Fre)**

[Tolosa-Hunt syndrome in a child, as a manifestation of meningioma] Plessier P, et al. **Bull Soc Ophtalmol Fr** 1986 Jan;86(1):29-30 **(Fre)**

[Peritumoral edema in intracranial meningiomas. Angiographic and computerized tomographic correlations] Casasco A, et al. **Neurochirurgie** 1986;32(4):296-303 (Eng. Abstr.) **(Fre)**

[Cerebral meningioma associated with thrombocytosis (letter)] Lartigue C, et al. **Presse Med** 1987 Apr 11; 16(13):637 **(Fre)**

DIAGNOSIS

Fine needle aspiration cytology diagnosis of an extracranial meningioma presenting as a cervical mass. Solares J, et al. **Acta Cytol** 1987 Jul-Aug;31(4):502-4

Sphenoid ridge meningioma masquerading as Graves' orbitopathy [letter] Newman NM. **Arch Ophthalmol** 1987 Aug;105(8):1017-8

Contrast-enhanced magnetic resonance imaging of tumours of the central nervous system: a clinical review. Graif M, et al. **Br J Radiol** 1986 Sep;59(705):865-73

The value of magnetic resonance imaging in the diagnosis of intracranial meningiomas. Mawhinney RR, et al. **Clin Radiol** 1986 Sep;37(5):429-39

Intraparenchymal meningioma in a child: CT and MR findings. Schroeder BA, et al. **J Comput Assist Tomogr** 1987 Jan-Feb;11(1):192-3

Magnetic resonance imaging of spinal meningiomas and neurinomas. Improvement of imaging by paramagnetic contrast enhancement. Schroth G, et al. **J Neurosurg** 1987 May;66(5):695-700

Spinal meningioma en plaque. Report of two cases. Stechison MT, et al. **J Neurosurg** 1987 Sep;67(3):452-5

Malignant and atypical meningiomas: a reappraisal of clinical, histological, and computed tomographic features. Alvarez F, et al. **Neurosurgery** 1987 May;20(5):688-94

Contralateral trigeminal neuralgia as a false localizing sign in intracranial tumors. Florensa R, et al. **Neurosurgery** 1987 Jan;20(1):1-3

Cranial metastases from prostate cancer simulating meningioma: report of two cases and review of the literature. Lippman SM, et al. **Neurosurgery** 1986 Nov; 19(5):820-3

Intracranial meningiomas of childhood and adolescence. Doty JR, et al. **Prog Exp Tumor Res** 1987;30:247-54

Intracranial meningiomas: high-field MR imaging. Spagnoli MV, et al. **Radiology** 1986 Nov;161(2):369-75

[Orbital meningioma] Hu CZ. **Chung Hua Yen Ko Tsa Chih** 1986 Jul;22(4):198-200 (Eng. Abstr.) **(Chi)**

[Expansive processes of the cerebellopontile angle. Neuro-otological evaluation of 146 cases] Demanez JP. **Acta Otorhinolaryngol Belg** 1987;41(1):108-19 (Eng. Abstr.) **(Fre)**

[Intratympanic meningioma. Apropos of a case] Hachicha S, et al. **Ann Otolaryngol Chir Cervicofac** 1986;103(4):271-7 (Eng. Abstr.) **(Fre)**

[Bilateral meningioma of the optic nerve] Camuzet F, et al. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):39-42 **(Fre)**

[Assessment of the comparative activities of NMR and radioisotope scanning at the Hammersmith Hospital] Curati WL, et al. **J Radiol** 1986 Jun-Jul;67(6-7):527-8 **(Fre)**

[Intracranial solitary plasmacytoma: a rare differential diagnosis with meningioma (letter)] Dubost JJ, et al. **Presse Med** 1987 May 9;16(17):830 **(Fre)**

[Possibilities of early diagnosis of intracranial meningioma based on clinical symptoms] Baumgartner C, et al. **Dtsch Med Wochenschr** 1987 Jan 30;112(5):165-9 (Eng. Abstr.) **(Ger)**

[MR tomography in intracranial meningiomas] Just M, et al. **ROFO** 1987 Jun;146(6):705-10 (Eng. Abstr.) **(Ger)**

[Characteristics of intracranial meningioma imaged by magnetic resonance tomography] Treisch J, et al. **ROFO** 1987 Feb;146(2):207-14 (Eng. Abstr.) **(Ger)**

[Magnetic resonance imaging of intracranial meningiomas] Shakudo M, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Jan 25; 47(1):27-36 (Eng. Abstr.) **(Jpn)**

[Diagnosis and neurosurgical treatment of intraspinal meningiomas and neurinomas] Salazar J, et al. **Arch Neurobiol (Madr)** 1987 May-Jun;50(3):191-205 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Effect of the antiprogesterone RU-38486 on meningioma implanted into nude mice. Olson JJ, et al. **J Neurosurg** 1987 Apr;66(4):584-7

Endocrine manipulation of meningiomas with medroxyprogesterone acetate. Effect of MPA on receptor status of meningioma cytosols. Markwalder TM, et al. **Surg Neurol** 1987 Jul;28(1):3-9

ENZYMOLOGY

[Immunohistochemical demonstration of neuron-specific enolase in meningiomas and in normal meningocytes] Ikeda H, et al. **Neurol Med Chir (Tokyo)** 1986 Dec;26(12):945-50 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Meningioma occurring twenty-three years after a successfully treated cerebellar medulloblastoma: case report. Ojeda VJ, et al. **Aust NZ J Surg** 1987 Feb; 57(2):133-5

Occupational risks for meningiomas of the CNS in Sweden. McLaughlin JK, et al. **J Occup Med** 1987 Jan;29(1):66-8

Meningioma following cranial irradiation. Hill SA. **Postgrad Med J** 1986 Aug;62(730):741-2

[Radiation-induced meningioma--a case report] Kato S, et al. **No Shinkei Geka** 1986 Sep;14(10):1223-8 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Recessive cancer genes in meningiomas? An analysis of 31 cases. Casalone R, et al. **Cancer Genet Cytogenet** 1987 Jul; 27(1):145-59

Cytogenetic studies of human brain tumors and their clinical significance. II. Meningioma. Al Saadi A, et al. **Cancer Genet Cytogenet** 1987 May;26(1):127-41

DNA in meningioma tissues and explant cell cultures. A flow cytometric study with clinicopathological correlates. Ironside JW, et al. **J Neurosurg** 1987 Apr;66(4):588-94

Molecular genetic approach to human meningioma: loss of genes on chromosome 22. Seizinger BR, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5419-23

[Flow cytometric and karyotypic studies on meningiomas] Katsuyama J. **No Shinkei Geka** 1986 Oct;14(11):1335-44 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Estrogen receptor immunoreactivity in meningiomas. Comparison with the binding activity of estrogen, progesterone, and androgen receptors. Lesch KP, et al. **J Neurosurg** 1987 Aug;67(2):237-43

METABOLISM

Epidermal growth factor--receptors on cultured human meningioma cells. Westphal M, et al. **Acta Neurochir (Wien)** 1986;83(1-2):62-6

Non-glial specificities of immunocytochemistry for the glial fibrillary acidic protein (GFAP). Triple expression of GFAP, vimentin and cytokeratins in papillary meningioma and metastasizing renal carcinoma. Budka H. **Acta Neuropathol (Berl)** 1986;72(1):43-54

Immunohistochemical demonstration of alpha-1-proteinase inhibitor in brain tumors. Zuccarello M, et al. **Cancer** 1987 Aug 15;60(4):804-9

Estrogen- and progesterone-receptors in meningiomas. Review article. Goffin J. **Clin Neurol Neurosurg** 1986; 88(3):169-75 (51 ref.)

Correlation between estrophilin immunoreactivity and androgen receptor-binding activity in meningiomas. Lesch KP, et al. **Eur Neurol** 1987;26(4):252-7

Steroid receptor status difference in recurrent intracranial meningioma and breast cancer in the same patient. Magdelenat H, et al. **J Neurooncol** 1986;4(2):155-7

Steroid receptors in meningiomas [editorial] Challa VR. **Surg Neurol** 1987 Sep;28(3):232

Estrophilin immunoreactivity versus estrogen receptor binding activity in meningiomas: evidence for multiple estrogen binding sites. Lesch KP, et al. **Surg Neurol** 1987 Sep;28(3):181-8

Androgen receptor binding activity in meningiomas. Lesch KP, et al. **Surg Neurol** 1986 Nov;26(5):435-40

MICROBIOLOGY

Isolation of Inoue-Melnick virus from human meningioma-derived cell cultures and detection of antibody in patients with meningioma. Inoue YK, et al. **J Med Virol** 1987 Mar;21(3):201-5

OCCURRENCE

Incidental meningiomas in autopsy study. Nakasu S, et al. **Surg Neurol** 1987 Apr;27(4):319-22

PATHOLOGY

Somatostatin suppression of meningioma cell proliferation in vitro. Kunert-Radek J, et al. **Acta Neurol Scand** 1987 Jun; 75(6):434-6

Meningioma with multiple rheumatoid nodules. A case report. Kepes JJ, et al. **Acta Neuropathol (Berl)** 1986; 70(3-4):314-9

Proliferative potential of meningiomas determined with the monoclonal antibody Ki-67. Roggendorf W, et al. **Acta Neuropathol (Berl)** 1987;73(4):361-4

Primary cutaneous meningioma. Report of a case. Kakizoe S, et al. **Acta Pathol Jpn** 1987 Mar;37(3):511-4

Cystic meningioma presenting as a ring lesion. Zagzag D, et al. **AJNR** 1986 Sep-Oct;7(5):911-2

Histopathologic features predicting recurrence of meningiomas following subtotal resection. de la Monte SM, et al. **Am J Surg Pathol** 1986 Dec;10(12):836-43

Pathologic quiz case 2. Meningioma. Leyva WH, et al. **Arch Otolaryngol Head Neck Surg** 1987 Feb;113(2):206-7, 209

Extradural spinal meningioma presenting as a neck mass. Diagnosis by aspiration cytology. Dusenbery D, et al. **Arch Pathol Lab Med** 1987 May;111(5):483-5

Meningiomas. An immunohistochemical study of 50 cases. Meis JM, et al. **Arch Pathol Lab Med** 1986 Oct; 110(10):934-7

Metastasis of invasive carcinoma of the breast to an extradural meningioma of the cranial vault. Doron Y, et al. **Cancer** 1987 Sep 1;60(5):1081-4 (33 ref.)

Meningioma in the anterior III ventricle in a child. Chen HJ, et al. **Childs Nerv Syst** 1986;2(3):160-1

Cystic meningiomas in children. Reddy DR, et al. **Childs Nerv Syst** 1986;2(6):317-9

A case report of recurrence of primary subcutaneous meningioma in upper limb. Dong YF, et al. **Chin Med J [Engl]** 1986 Jul;99(7):604-5

Studies of the endothelial origin of cells in systemic angioendotheliomatosis and other vascular lesions of the brain and meninges using ulex europaeus lectin stains. Schelper RL, et al. **Clin Neuropathol** 1986 Nov-Dec; 5(6):231-7

Occipital tumour with cerebello-pontine angle manifestation. Girija AS, et al. **J Assoc Physicians India** 1986 May; 34(5):378-9

Meningioma of the scalp: a case report with immunohistological features. Theaker JM, et al. **J Cutan Pathol** 1987 Feb;14(1):49-53

Prediction of tumor doubling time in recurrent meningiomas. Cell kinetics studies with bromodeoxyuridine labeling. Cho KG, et al. **J Neurosurg** 1986 Dec;65(6):790-4

Extracranial and intracranial meningiomas. Gagnon NB, et al. **J Otolaryngol** 1986 Dec;15(6):380-4

Metastasis of lung carcinoma to intracranial meningioma. Case report and review of literature. Conzen M, et al. **Neurochirurgia (Stuttg)** 1986 Sep;29(5):206-9

Relation of meningiomas to their nearest environment and its significance for recurrence of the tumor. Kunicki A. **Neuropatol Pol** 1986;24(4):511-20

Meningioma in a child [letter] Fisher RG. **Neurosurgery** 1987 Feb;20(2):347-8

Intracranial meningiomas in infancy. Sakaki S, et al. **Surg Neurol** 1987 Jul;28(1):51-7

Malignant meningiomas--clinical and pathological study of 10 cases. Su CF, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Jun;85(6):608-23

[Bilateral meningioma of the optic nerve sheath] Rossazza C, et al. **Bull Soc Ophtalmol Fr** 1986 Dec;86(12):1527-9 (Eng. Abstr.) **(Fre)**

[Meningioma of the scalp. Apropos of a case] Chappuis JP, et al. **Pediatrie** 1986 Apr-May;41(3):227-30 (Eng. Abstr.) **(Fre)**

[Plain imaging of meningioma in NMR tomography--retrospective contrast optimization by image synthesis] Just M, et al. **Digitale Bilddiagn** 1986 Dec; 6(4):156-60 (Eng. Abstr.) **(Ger)**

[Invasive meningioma of the anterior cranial fossa. Report of 2 cases] Berlit P, et al. **Nervenarzt** 1986 Nov; 57(11):649-53 (Eng. Abstr.) **(Ger)**

[A case of malignant meningioma with subcutaneous infiltration of the scalp] Masuda Y, et al. **Gan No Rinsho** 1986 Nov;32(14):1849-54 (Eng. Abstr.) **(Jpn)**

[Multiple primary intracranial tumors of different cell types. Case report] Kawaguchi S, et al. **Neurol Med Chir (Tokyo)** 1986 Aug;26(8):639-43 (Eng. Abstr.) **(Jpn)**

[Meningioma and underlying brain] Nakasu S, et al. **Neurol Med Chir (Tokyo)** 1986 Nov;26(11):851-6 (Eng. Abstr.) **(Jpn)**

[Bifrontal cystic falx meningioma. With a reference to the diagnosis and etiological background of cyst formation--case report] Yamaguchi T, et al. **Neurol Med Chir (Tokyo)** 1986 Aug;26(8):644-8 (Eng. Abstr.) **(Jpn)**

[Ectopic meningioma--primary cutaneous meningioma] Furue M, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Jan; 97(1):23-9 **(Jpn)**

[Deep sylvian meningioma: case report and review of the literature] Hirao M, et al. **No Shinkei Geka** 1986 Nov; 14(12):1471-8 (Eng. Abstr.) **(Jpn)**

[The meningioma within the lateral ventricle in infancy--a case report] Shirasaka A, et al. **No Shinkei Geka** 1987 May; 15(5):569-72 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Membrane phospholipid composition and membrane fluidity of human brain tumour: a spin label study. Hattori T, et al. **Neurol Res** 1987 Mar;9(1):38-43

[Effect of pregnancy on Recklinghausen's disease (letter)] Douvier S, et al. **Presse Med** 1987 May 16;16(18):916 **(Fre)**

[Mechanism of glucose tolerance disorders in tumors located in the sellar-diencephalic area] Tenedieva VD, et al. **Zh Vopr Neirokhir** 1986 Sep-Oct;(5):14-9 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Idiopathic inflammation of optic nerve simulating optic nerve sheath meningioma: CT demonstration. Zhang TL, et al. **J Comput Assist Tomogr** 1987 Mar-Apr;11(2):360-1

Imaging of intradural extramedullary tumours: neurinomas and meningiomas. Boisserie-Lacroix M, et al. **J Neuroradiol** 1987;14(1):66-81 **(Eng, Fre)**

Multiple meningiomas evaluated by computed tomography. Locatelli D, et al. **Neurochirurgia (Stuttg)** 1987 Jan;

30(1):8–10
The value of enhanced "dynamic" computed tomography in localizing a spinal juxtamedullary meningioma. Enhanced dynamic CT in localizing a spinal meningioma. Boccardo M, et al. **Neuroradiology** 1987;29(3):313
Malignant meningioma within the third ventricle: a case report. Strenger SW, et al. **Neurosurgery** 1987 Mar; 20(3):465–8
Posterior fossa meningiomas. Hubschmann OR, et al. **NJ Med** 1987 Mar;84(3):185–9
Cystic lesions associated with meningiomas. Maiuri F, et al. **Surg Neurol** 1986 Dec;26(6):591–7
[CT diagnosis of meningioma (analysis of 215 cases)] Chen XR. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Oct; 20(5):292–5 (Eng. Abstr.) **(Chi)**
[CT diagnosis of meningioma: an analysis of 42 cases] Lin LJ. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Aug; 20(4):215–7 (Eng. Abstr.) **(Chi)**
[Multiple intracranial meningiomas] Wu JP, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Oct;24(10):611–2, 639 (Eng. Abstr.) **(Chi)**
[Primary meningioma of the maxillary sinus. Apropos of a case] Postel C, et al. **J Radiol** 1987 Feb;68(2):139–41 (Eng. Abstr.) **(Fre)**
[Unusual computed tomographic appearances of intracranial meningiomas] Schleppi V, et al. **Rontgenpraxis** 1987 May; 40(5):171–5 **(Ger)**
[A case of convexity cavernous hemangioma associated with meningioma] Kunishio K, et al. **No Shinkei Geka** 1986 Nov; 14(12):1487–91 (Eng. Abstr.) **(Jpn)**
[Spinal epidural meningioma—a case report with special reference to neuroradiological findings] Kyoushima K, et al. **No Shinkei Geka** 1987 Apr;15(4):443–9 (Eng. Abstr.) **(Jpn)**
[Neuroradiological evaluation of benign extramedullary tumors in the high cervical region and at the foramen magnum] Nishiura I, et al. **No Shinkei Geka** 1986 Jun; 14(7):837–45 (Eng. Abstr.) **(Jpn)**
[Computer-tomographic characteristics of changes accompanying intracranial meningiomas] Koider I, et al. **Zh Vopr Neirokhir** 1987 Jan–Feb;(1):28–31 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Radioimmunolocalization of human brain tumours: biodistribution of radiolabelled monoclonal antibody UJ13A. Richardson RB, et al. **Eur J Nucl Med** 1986; 12(7):313–20
Preferential accumulation of 11C in human brain tumors after intravenous injection of 11C-1-pyruvate. Tsukiyama T, et al. **Eur J Nucl Med** 1986;12(5–6):244–8
Glucose utilization by intracranial meningiomas as an index of tumor aggressivity and probability of recurrence: a PET study. Di Chiro G, et al. **Radiology** 1987 Aug;164(2):521–6
In vivo quantitation using SPECT of radiopharmaceutical uptake by human meningiomas. Front D, et al. **Radiology** 1987 Jul;164(1):93–6
Intracranial tumors: unexpected uptake of I-123 HIPDM. McVeigh MC, et al. **Radiology** 1986 Nov;161(2):409–11
[Computerized radionuclide angiography of brain tumors. Analysis of activity-time curves] Bartolini A, et al. **Riv Neurol** 1986 Mar–Apr;56(2):75–81 (Eng. Abstr.) **(Ita)**
[Regional cerebral blood flow measurement in brain tumors] Izunaga H, et al. **Radioisotopes** 1986 Oct;35(10):528–34 (Eng. Abstr.) **(Jpn)**
[Radionuclide diagnosis of rhinosinusogenic inflammatory processes in the brain] Blagoveshchenskaia NS, et al. **Vestn Otorinolaringol** 1987 Jul–Aug;(4):3–6 (Eng. Abstr.) **(Rus)**

RADIOTHERAPY

Irradiation of meningiomas of the intracranial anterior visual pathway. Kupersmith MJ, et al. **Ann Neurol** 1987 Feb; 21(2):131–7
Radiation therapy in the treatment of partially resected meningiomas. Barbaro NM, et al. **Neurosurgery** 1987 Apr; 20(4):525–8
A new method for treatment of unresectable, recurrent brain tumors with single permanent high-activity 125iodine brachytherapy. Kumar PP, et al. **Radiat Med** 1986 Jan–Mar;4(1):12–20
[Pre-radiation care in proton irradiation of tumors of the cavernous sinus] Luchin EI, et al. **Med Radiol (Mosk)** 1986 Oct;31(10):8–13 (Eng. Abstr.) **(Rus)**

SECONDARY

"Benign" metastasizing meningiomas.Som PM, et al. **AJNR** 1987 Jan–Feb;8(1):127–30
Metastatic spread of benign intracranial meningioma. Tognetti F, et al. **J Neurosurg Sci** 1987 Jan–Mar;31(1):23–7
Metastasizing meningioma. Russell T, et al. **Neurosurgery** 1986 Dec;19(6):1028–30
Metastatic meningioma of the lung. Aumann JL, et al. **Thorax** 1986 Jun;41(6):487–8
[Metastases of meningioma. Apropos of 2 cases] Noterman J, et al. **Neurochirurgie** 1987;33(3):184–9 (Eng. Abstr.) **(Fre)**

SURGERY

Intraventricular meningioma. A review of 10 cases of the National Hospital, Queen Square (1974–1985) with reference to the literature. Criscuolo GR, et al. **Acta Neurochir (Wien)** 1986;83(3–4):83–91
Possibilities and limitations of microsurgery in patients with meningiomas of the sellar region. Probst C. **Acta Neurochir (Wien)** 1987;84(3–4):99–102
Mirror speaking after neurosurgery. A case history. Cocchi R, et al. **Acta Neurol Belg** 1986 Aug–Oct;86(4):224–32
Recurrent meningioma within pericranial tissues outside a cranioplasty. Gaudio R, et al. **J Neurosurg Sci** 1986 Jul–Sep;30(3):143–5
Dorsal meningioma developed between two sheets of the spinal dura mater. Case report. Pagni CA, et al. **J Neurosurg Sci** 1986 Jul–Sep;30(3):153–4
Complete removal of a huge olfactory grooves meningioma in a child. Case report. Pluchino F, et al. **J Neurosurg Sci** 1985 Oct–Dec;29(4):327–30
Extrameningeal meningiomas of the infratemporal fossa: diagnosis and treatment. Inglis AF, et al. **Laryngoscope** 1987 Jun;97(6):689–92
Meningioma in the parotid region. Nichols RD, et al. **Laryngoscope** 1987 Jun;97(6):693–6
Cavernous sinus meningiomas. Cioffi FA, et al. **Neurochirurgia (Stuttg)** 1987 Mar;30(2):40–7
Spinal meningiomas. Namer IJ, et al. **Neurochirurgia (Stuttg)** 1987 Jan;30(1):11–5
Transoral transclival removal of anteriorly placed meningiomas at the foramen magnum. Miller E, et al. **Neurosurgery** 1987 Jun;20(6):966–8
Intracranial meningiomas in children. Drake JM, et al. **Pediatr Neurosci** 1985–86;12(3):134–9
Seemingly complete removal of histologically benign intracranial meningioma: late recurrence rate and factors predicting recurrence in 657 patients. A multivariate analysis. Jääskeläinen J. **Surg Neurol** 1986 Nov;26(5):461–9
Primary meningioma of paranasal sinuses treated by the transbasal approach. Ohnishi T, et al. **Surg Neurol** 1987 Feb;27(2):195–9
[Neurosurgical treatment of tumors of the spinal cord] Brotchi J. **Bull Mem Acad R Med Belg** 1986; 141(8–10):488–95 (Eng. Abstr.) **(Fre)**
[Ablation by the anterior transcorporeal approach of an ante-spinal cord cervical meningioma. Apropos of a case] Lenelle J, et al. **Neurochirurgie** 1986;32(3):262–5 (Eng. Abstr.) **(Fre)**
[Activation of coagulation following surgery of intracranial meningioma (letter)] Menguy E, et al. **Presse Med** 1987 Apr 4;16(12):587–8 **(Fre)**
[Postoperative complications in space occupying processes of the base of the skull] Friedrich P, et al. **Zentralbl Neurochir** 1986;47(2):105–10 (Eng. Abstr.) **(Ger)**
[Meningiomas of the spinal canal. Clinical aspects and long-term results] Gräwe A, et al. **Zentralbl Neurochir** 1986;47(2):139–43 (Eng. Abstr.) **(Ger)**
[Approach to tumors of the chiasm-sellar region with preservation of the olfactory tracts] Tigliev GS, et al. **Zh Vopr Neirokhir** 1986 Nov–Dec;(6):13–6 (Eng. Abstr.) **(Rus)**

THERAPY

Preoperative embolization of intracranial meningiomas. Manelfe C, et al. **AJNR** 1986 Sep–Oct;7(5):963–72
Radiation-induced neoplasms of the brain. Kumar PP, et al. **Cancer** 1987 Apr 1;59(7):1274–82
Subarachnoid hemorrhage after preoperative embolization of a cystic meningioma. Hayashi T, et al. **Surg Neurol** 1987 Mar;27(3):295–300
Head tourniquet to prevent necrosis after embolization [letter] Parkinson D. **Surg Neurol** 1986 Nov;26(5):518
[Meningioma with intratumoral and subdural hemorrhage as an immediate complication of therapeutic embolization. Case report] Watanabe K, et al. **Neurol Med Chir (Tokyo)** 1986 Nov;26(11):904–7 (Eng. Abstr.) **(Jpn)**
[Preoperative embolization with gelfoam powder for intracranial meningioma causing unusual peritumoral hemorrhage—with reference to the mechanism of hemorrhage] Motozaki T, et al. **No Shinkei Geka** 1987 Jan; 15(1):95–101 (Eng. Abstr.) **(Jpn)**
[Chemical embolization using conjugated estrogen—a clinical study of 40 cases] Nagamine Y, et al. **No Shinkei Geka** 1987 May;15(5):503–10 (Eng. Abstr.) **(Jpn)**
[Cystic meningioma associated with intratumor and subarachnoid hemorrhage during embolization—a case report] Shojima K, et al. **No Shinkei Geka** 1986 Jun; 14(7):919–24 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Formation of psammoma bodies in meningocytic whorls. Ultrastructural study and analysis of calcified material. Kubota T, et al. **Acta Neuropathol (Berl)** 1986;70(3–4):262–8
Histopathologic investigation of a case of meningioangiomatosis not associated with von Recklinghausen's disease. Kunishio K, et al. **Surg Neurol** 1987 Jun;27(6):575–9

VETERINARY

Immunohistochemical and electron microscopic study of meningeal granular cell tumors in rats. Mitsumori K, et al. **Vet Pathol** 1987 Jul;24(4):356–9
Spontaneous tumors of the meninges in rats. Mitsumori K, et al. **Vet Pathol** 1987 Jan;24(1):50–8
[Surgical excision of meningioma of the posterior fossa in a dog after detection by x-ray computed tomography] Moreau JJ, et al. **Neurochirurgie** 1986;32(6):523–8 (Eng. Abstr.) **(Fre)**

MENINGISM

DIAGNOSIS

Cerebrospinal fluid ferritin levels in screening for meningism. Campbell DR, et al. **Arch Neurol** 1986 Dec;43(12):1257–60

ETIOLOGY

Meningism, pericarditis/myocarditis—unrecognized manifestations of acute porphyria. Chaudhry MR. **JPMA** 1986 Sep;36(9):239–43
[Meningism syndrome in acute pneumonia] Saksonov SI, et al. **Klin Med (Mosk)** 1986 Dec;64(12):108–9 **(Rus)**

MENINGITIS

Bacterial meningitis in children: diagnosis and therapy. A review of recent developments. Stutman HR, et al. **Clin Pediatr (Phila)** 1987 Sep;26(9):431–8 (63 ref.)
Early onset Campylobacter sepsis in a neonate. Forbes JC, et al. **Pediatr Infect Dis J** 1987 May;6(5):494
Report of the Task Force on Diagnosis and Management of Meningitis [published erratum appears in Pediatrics 1987 Jul;80(1):121] Klein JO, et al. **Pediatrics** 1986 Nov;78(5 Pt 2):959–82
District monitoring of meningitis: how to improve accuracy. Salfield NJ. **Public Health** 1987 Mar;101(2):107–9

BLOOD

Opsonic activity of serum in the acute phase of meningitis. Kharazmi A, et al. **Acta Pathol Microbiol Immunol Scand** [C] 1986 Aug; 94(4):167–70
[Value of the determination of C-reactive protein in meningitis in adults (letter)] Lucht F, et al. **Presse Med** 1986 Sep 13;15(29):1375–6 **(Fre)**

CEREBROSPINAL FLUID

Free amino acid pattern of cerebrospinal fluid in meningeal pathology. Schott KJ, et al. **Acta Neurol Scand** 1987 May; 75(5):304–9
Concentration of tumour markers CEA, AFP, alpha and beta subunits of hCG in cerebrospinal fluid in children with inflammatory diseases of the central nervous system. Domaniewski J, et al. **Acta Paediatr Hung** 1986; 27(2):115–21
Determination of leukocytosis in traumatic spinal tap specimens. Mayefsky JH, et al. **Am J Med** 1987 Jun; 82(6):1175–81
Penetration of amoxicillin and potassium clavulanate into the cerebrospinal fluid of patients with inflamed meninges. Bakken JS, et al. **Antimicrob Agents Chemother** 1986 Sep; 30(3):481–4
Penetration of ciprofloxacin into cerebrospinal fluid of patients with bacterial meningitis. Wolff M, et al. **Antimicrob Agents Chemother** 1987 Jun;31(6):899–902
Interpretation of traumatic lumbar puncture. Predictive value in the presence of meningitis. Mehl AL. **Clin Pediatr (Phila)** 1986 Nov;25(11):575–7
High resolution proton nuclear magnetic resonance studies of human cerebrospinal fluid. Bell JD, et al. **Clin Sci** 1987 May;72(5):563–70
Cerebrospinal fluid C-reactive protein in meningitis: diagnostic value and pathophysiology. BenGershôm E, et al. **Eur J Pediatr** 1986 Sep;145(4):246–9
Acid phosphatase activity of cerebrospinal fluid cells in bacterial and abacterial meningitis. De Reuck JL, et al. **Eur Neurol** 1986;25(5):362–8
Diffusion of ofloxacin into the cerebrospinal fluid in patients with bacterial meningitis. Stahl JP, et al. **Infection** 1986;14 Suppl 4:S254–5
Penetration of cefmenoxime into cerebrospinal fluid of patients with bacterial meningitis. Humbert G, et al. **J Antimicrob Chemother** 1986 Oct;18(4):503–6
Poor penetration of teicoplanin into cerebrospinal fluid in patients with bacterial meningitis. Stahl JP, et al. **J Antimicrob Chemother** 1987 Jul;20(1):141–2
Alpha-interferon responses in cerebrospinal fluid of patients with suspected meningitis. Ho-Yen DO, et al. **J Clin Pathol** 1987 Jan;40(1):83–6
IgG penetration into the cerebrospinal fluid in a rabbit model of meningitis. Gigliotti F, et al. **J Infect Dis** 1987 Aug; 156(2):394–8
Mollaret's meningitis: CSF-immunocytological examinations. Stoppe G, et al. **J Neurol** 1987 Feb;234(2):103–6
Cerebrospinal fluid and peripheral blood leukocyte subsets in acute inflammation of the CNS. Bamborschke S, et al. **J Neurol Sci** 1987 Jun;79(1–2):1–12
Cerebrospinal fluid inflammation during OKT3 therapy [letter] Roden J, et al. **Lancet** 1987 Aug 1;2(8553):272

Neurotensin–like immunoreactivity (NTLI) concentration in the cerebrospinal fluid of children and its alteration in a febrile aseptic meningitis. Muraki K, et al. **Life Sci** 1987 Apr 6;40(14):1365–70

Tularemic meningitis in a child with mononuclear pleocytosis. Harper JL, et al. **Pediatr Infect Dis** 1986 Sep–Oct;5(5):595–7

Penetration of sulbactam into the cerebrospinal fluid of patients with bacterial meningitis receiving ampicillin therapy. Stahl JP, et al. **Rev Infect Dis** 1986 Nov–Dec;8 Suppl 5:S612–6

Experimental bacterial meningitis in the rabbit: cerebrospinal fluid changes and its relation to leukocyte response. Lindquist L, et al. **Scand J Infect Dis** 1987;19(2):263–70

[Cytology of the cerebrospinal fluid as an element in evaluating the course of pediatric meningitis] Lorthioir M, et al. **Ann Pediatr (Paris)** 1986 Sep;33(7):595–602 (Eng. Abstr.) **(Fre)**

[Quasi–normal cerebrospinal fluid in patients with acquired immunodeficiency syndrome and cryptococcal meningitis] Gudesblatt M, et al. **Rev Neurol (Paris)** 1987;143(4):290–3 (Eng. Abstr.) **(Fre)**

[Fosfomycin levels in the cerebrospinal fluid of patients with and without meningitis] Friedrich H, et al. **Immun Infekt** 1987 May;15(3):98–102 (Eng. Abstr.) **(Ger)**

[A case of primary acute eosinophilic meningitis] Siani A, et al. **Pediatr Med Chir** 1986 May–Jun;8(3):419–20 (Eng. Abstr.) **(Ita)**

[Mid–molecular peptides in spinal fluid in purulent meningitis] Os'kina VV, et al. **Lab Delo** 1987;(2):23–5 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Ibuprofen–induced meningitis in a male with systemic lupus erythematosus. Jensen S, et al. **Acta Med Scand** 1987; 221(5):509–11

Acute meningitis and cerebellar dysfunction complicating high–dose cytosine arabinoside therapy. Thordarson H, et al. **Acta Med Scand** 1986;220(5):493–5

Chemical meningitis following epidural injections of corticosteroids [letter] Gutknecht DR. **Am J Med** 1987 Mar;82(3):570

Phenazopyridine and aseptic meningitis [letter] Herlihy TE. **Ann Intern Med** 1987 Jan;106(1):172–3

An attempt to develop a model to study the effects of intrathecal steroids. Swai EA, et al. **Eur J Anaesthesiol** 1986 Mar;3(2):127–36

Aseptic meningitis and trimethoprim–sulfamethoxazole [letter] Streiffer RH, et al. **J Fam Pract** 1986 Oct;23(4):314

COMPLICATIONS

Pituitary apoplexy with sterile meningitis. Bjerre P, et al. **Acta Neurol Scand** 1986 Oct;74(4):304–7

Possible association of mycoplasma and viral respiratory infections with bacterial meningitis. Krasinski K, et al. **Am J Epidemiol** 1987 Mar;125(3):499–508

The incidence of meningitis in neonates with necrotizing enterocolitis. Kliegman RM, et al. **Am J Perinatol** 1987 Jul;4(3):245–8

Cryptococcal meningitis: initial presentation of acquired immunodeficiency syndrome. Giberson TP, et al. **Ann Emerg Med** 1987 Jul;16(7):802–4

Association of meningitis with infantile gastro–enteritis. Al–Jo'beh I, et al. **Ann Trop Paediatr** 1986 Dec;6(4):257–60

Meningitis presenting as hypertension. Waters K, et al. **Arch Dis Child** 1987 Feb;62(2):191–3

Cryptococcal meningitis in a patient with sickle cell anemia [letter] Rosner F. **Arch Intern Med** 1986 Nov; 146(11):2288–9

Meningitis and facial paresis. Implications for cochlear implantation. Lambert PR, et al. **Arch Otolaryngol Head Neck Surg** 1987 Oct;113(10):1101–3

Pseudomonas pseudomallei (melioidosis): acute septicemia and meningitis in patient with systemic lupus erythematosus. Christenson–Bravo B, et al. **Bol Asoc Med PR** 1986 Aug;78(8):347–9

Ophthalmological complications of cryptococcal meningitis. Blackie JD, et al. **Clin Exp Neurol** 1985;21:263–70

Simultaneous gonococcal arthritis and meningitis. Report of a case following gonococcal septicemia [letter] Lluberas–Acosta G, et al. **Clin Exp Rheumatol** 1987 Apr–Jun;5(2):186

Vagoglossopharyngeal neuralgia with syncope in the course of carcinomatous meningitis. Sozzi G, et al. **Ital J Neurol Sci** 1987 Jun;8(3):271–5

Klebsiella ozaenae sinusitis, otitis media, and meningitis in an elderly diabetic woman: a case report. Siegel JD. **J Am Geriatr Soc** 1987 Jul;35(7):685–7

Cryptococcal meningitis and cerebral toxoplasmosis in AIDS: another case report [letter] Bonaventura Ibars I, et al. **J Neurol Neurosurg Psychiatry** 1987 Jan;50(1):116–7

Cryptococcal meningitis and cerebral toxoplasmosis in a patient with acquired immunodeficiency syndrome [letter] Lucht F, et al. **J Neurol Neurosurg Psychiatry** 1987 Jan; 50(1):116

Sequelae of bacterial meningitis. Dodge PR. **Pediatr Infect Dis** 1986 Nov–Dec;5(6):618–20

Escherichia hermannii sepsis with duodenal perforation in a neonate. Ginsberg HG, et al. **Pediatr Infect Dis J** 1987 Mar;6(3):300–2

Multivariate prognostication in bacterial meningitis of childhood. Valmari P, et al. **Scand J Infect Dis** 1987; 19(1):29–34

Lymphocytic hypophysitis. Vanneste JA, et al. **Surg Neurol** 1987 Aug;28(2):145–9

Recurrent aseptic meningitis as a manifestation of mixed connective tissue disease (MCTD). Harris GJ, et al. **Wis Med J** 1987 Mar;86(3):31–3

[Severe, refractory neonatal inflammatory syndrome as the manifestation of a systemic multivisceral and meningeal syndrome] Lachaux A, et al. **Arch Fr Pediatr** 1987 Feb; 44(2):125–8 (Eng. Abstr.) **(Fre)**

[Carotid artery occlusion in meningitis due to Streptococcus B] Delmas MC, et al. **Pediatrie** 1986 Jul–Aug;41(5):425–8 (Eng. Abstr.) **(Fre)**

[Hearing damage following meningitis then and now] Fleischer K. **HNO** 1987 May;35(5):199–202 (Eng. Abstr.) **(Ger)**

[Bacterial meningitis and sepsis of childhood in recent years. An evaluation of long–term results] Frattini C, et al. **Minerva Pediatr** 1986 Oct 31;38(20):923–7 (Eng. Abstr.) **(Ita)**

[Two cases of facial diplegia with aseptic meningitis and mild uveitis] Goto K, et al. **Rinsho Shinkeigaku** 1986 Oct; 26(10):1094–9 (Eng. Abstr.) **(Jpn)**

[Detection of neurosensory hearing loss in children in the acute stage of bacterial meningitis] Ryndina AM, et al. **Vestn Otorinolaringol** 1987 Jul–Aug;(4):15–8 (Eng. Abstr.) **(Rus)**

[Diabetes insipidus in a newborn infant with Streptococcus group B sepsis and meningitis] Barrio Merino A, et al. **An Esp Pediatr** 1987 Jan;26(1):67–8 **(Spa)**

[Inappropriate antidiuretic hormone secretion syndrome in children with purulent meningitis] Salinas–Rivas AJ, et al. **Bol Med Hosp Infant Mex** 1986 Nov;43(11):680–7 (Eng. Abstr.) **(Spa)**

[Fever: its significance in bacterial meningitis] Spadea J, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1985;43(2):14–6, 19–21 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Bannwarth's syndrome: serum and CSF IgG antibodies against Borrelia burgdorferi examined by ELISA. Hofstad H, et al. **Acta Neurol Scand** 1987 Jan;75(1):37–45

Syphilitic meningitis masquerading as pseudotumor cerebri [letter] Bakchine S, et al. **Arch Neurol** 1987 May;44(5):473

Cerebrospinal fluid ferritin levels in screening for meningism. Campbell DR, et al. **Arch Neurol** 1986 Dec;43(12):1257–60

Meningitis due to Branhamella catarrhalis. O'Neill JH, et al. **Aust NZ J Med** 1987 Apr;17(2):241–2

The use of monoclonal antibodies in the diagnosis of partially treated Pseudomonas aeruginosa meningitis: patient report. Bermudez LE. **Braz J Med Biol Res** 1986;19(2):159–65

Meningitis caused by Streptococcus suis: case report and review of the literature. Lütticken R, et al. **Infection** 1986 Jul–Aug;14(4):181–5

Detection of metabolites by frequency–pulsed electron capture gas–liquid chromatography in serum and cerebrospinal fluid of a patient with Nocardia infection. Brooks JB, et al. **J Clin Microbiol** 1987 Feb;25(2):445–8

Correlation of cerebrospinal fluid endotoxinlike activity with clinical and laboratory variables in gram–negative bacterial meningitis in children. Dwelle TL, et al. **J Clin Microbiol** 1987 May;25(5):856–8

Comparison of cerebrospinal fluid C–reactive protein and lactate for diagnosis of meningitis. Komorowski RA, et al. **J Clin Microbiol** 1986 Dec;24(6):982–5

Problems in clinical diagnosis of meningitis. Danchaivijitr S, et al. **J Med Assoc Thai** 1987 Apr;70(4):210–6

Argyll Robertson pupils in lymphocytic meningoradiculitis (Bannwarth's syndrome) [letter] Koudstaal PJ, et al. **J Neurol Neurosurg Psychiatry** 1987 Mar;50(3):363–5

Bacterial meningitis update. Prendergast V. **J Neurosci Nurs** 1987 Apr;19(2):95–9

Cerebrospinal fluid lactate—its diagnostic value in septic meningitis. Low PS, et al. **J Singapore Paediatr Soc** 1986; 28(3–4):243–6

Borderline antibody response in initial stages of lymphocytic meningitis does not rule out borreliosis [letter] Huppertz HI, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1468–9

Serologic studies in the diagnosis and management of meningitis due to Sporothrix schenckii. Scott EN, et al. **N Engl J Med** 1987 Oct 8;317(15):935–40

"Chronic meningitis"—many causes to consider [editorial] Swartz MN. **N Engl J Med** 1987 Oct 8;317(15):957–9

Preventive measures to limit legal liability in pediatric emergencies: an analysis through cases concerning failure to diagnose meningitis. Britton RM, et al. **Pediatr Emerg Care** 1986 Jun;2(2):109–12

Use of thermogram in detection of meningitis. Rosenberg N, et al. **Pediatr Emerg Care** 1986 Jun;2(2):71–4

Evaluation of routine lumbar punctures in newborn infants with respiratory distress syndrome. Eldadah M, et al. **Pediatr Infect Dis J** 1987 Mar;6(3):243–6

Questions about task force on meningitis—recommendations [letter] Klein JO, et al. **Pediatrics** 1987 Jul;80(1):121

Acute illnesses in the 2 weeks after hospitalization for bacterial meningitis. Powell KR, et al. **Pediatrics** 1987 Sep; 80(3):342–3

Brucella meningitis: presentation, diagnosis and treatment—a prospective study of ten cases. Mousa AR, et al. **Q J Med** 1986 Sep;60(233):873–85

Sensitivity and specificity of a latex agglutination test for detection of cryptococcal antigen in meningitis. Coovadia YM, et al. **S Afr Med J** 1987 Apr 18;71(8):510–2

Serological diagnosis of Borrelia meningitis. Stiernstedt G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):420–4

[Posttraumatic Cogan syndrome apropos of a case. Diagnostic and medico–legal problems] Malrieu C, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1205–8 **(Fre)**

[Bacterial meningitis in the child: diagnosis, treatment and prognosis] Misson JP, et al. **Rev Med Liege** 1986 Oct 1; 41(19):713–33 (114 ref.) **(Fre)**

[Diagnosis and prognosis of subdural effusion in infancy] Zeidler M, et al. **Kinderarztl Prax** 1986 Aug;54(8):467–71 (Eng. Abstr.) **(Ger)**

[Iritis and optic nerve meningitis—initial symptoms of latent syphilis] Barthelmess–Mösler S, et al. **Klin Monatsbl Augenheilkd** 1987 Mar;190(3):196–8 (Eng. Abstr.) **(Ger)**

[Infection and neonatal meningitis: epidemiology, pathogen spectrum, therapy] Speer CP, et al. **Monatsschr Kinderheilkd** 1986 Nov;134(11):794–8 (Eng. Abstr.) **(Ger)**

[Possibilities of rapid diagnosis in meningitis] Heidel G, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Aug; 38(8):474–9 (Eng. Abstr.) **(Ger)**

[Meningitis and brain abscess caused by anaerobic bacteria in an infant] Handrick W, et al. **Z Arztl Fortbild (Jena)** 1986;80(13):549–50 **(Ger)**

[Bacterial meningitis] Crusius S. **Z Gesamte Inn Med** 1986 Jul 1;41(13):361–6 (Eng. Abstr.) **(Ger)**

[C–reactive protein, GOT and LDH in the cerebrospinal fluid of infants with meningitis] Matsuura S, et al. **No To Hattatsu** 1986;18(6):470–6 (Eng. Abstr.) **(Jpn)**

[Early neonatal septicemia] Hals J, et al. **Tidsskr Nor Laegeforen** 1987 May 20;107(14):1228–30, 1232 (Eng. Abstr.) **(Nor)**

[Meningoradiculitis caused by Borrelia burgdorferi] Sundøy A, et al. **Tidsskr Nor Laegeforen** 1987 Jan 10;107(1):28–9 (Eng. Abstr.) **(Nor)**

[Usefulness of the NBT photocolorimetric test in the diagnosis of cerebrospinal meningitis in children] Jankowski A, et al. **Pediatr Pol** 1986 Jul;61(7):429–32 (Eng. Abstr.) **(Pol)**

[Meningoradiculitis] Ludianskiĭ EA. **Klin Med (Mosk)** 1986 Sep;64(9):61–4 (Eng. Abstr.) **(Rus)**

[Comparative role of complex acumetry and examination of the cerebrospinal fluid in the diagnosis of central nervous system lesions in early syphilis] Reshtein NN, et al. **Vestn Dermatol Venerol** 1987;(6):66–9 (Eng. Abstr.) **(Rus)**

[Subdural exudate in meningitis] Pishel' IaV, et al. **Vrach Delo** 1987 Jun;(6):113–5 (Eng. Abstr.) **(Rus)**

[Borrelia meningitis mistaken for malignancy in the CNS] Hedborg G, et al. **Lakartidningen** 1987 Apr 22;84(17):1464 **(Swe)**

DRUG THERAPY

Cephalosporin therapy for childhood meningitis. Smith MA, et al. **Am Fam Physician** 1987 Sep;36(3):185–92

Efficacy of ciprofloxacin in animal models of infection: endocarditis, meningitis, and pneumonia. Sande MA, et al. **Am J Med** 1987 Apr 27;82(4A):63–6

Toxicity of amphotericin B plus flucytosine in 194 patients with cryptococcal meningitis. Stamm AM, et al. **Am J Med** 1987 Aug;83(2):236–42

Treating meningitis [letter] Gibson DE. **Ann Emerg Med** 1987 May;16(5):601–2

Cryptococcal meningitis and fluconazole [letter] Dupont B, et al. **Ann Intern Med** 1987 May;106(5):778

Survival improvement in coccidioidal meningitis by high–dose intrathecal amphotericin B. Labadie EL, et al. **Arch Intern Med** 1986 Oct;146(10):2013–8

Initial antibiotic treatment of bacterial meningitis in children. Infectious Diseases and Immunization Committee, Canadian Paediatric Society. **Can Med Assoc J** 1986 Nov 15;135(10):1085–6

Unusual complications of typhoid [letter] Flegg PG. **Cent Afr J Med** 1986 Aug;32(8):199–200

Role of third–generation cephalosporins in the treatment of bacterial meningitis. Modai J. **Chemioterapia** 1986 Oct; 5(5):313–8

Efficacy of teicoplanin in experimental group B streptococcal bacteremia and meningitis. Kim KS, et al. **Chemotherapy** 1987;33(3):177–82

Current concepts in clinical therapeutics: bacterial meningitis in infants and children. Reed MD. **Clin Pharm** 1986 Oct; 5(10):798–809 (145 ref.)

Bacterial meningitis: is there a "best" antimicrobial therapy? Eichenwald HF. **Eur J Pediatr** 1987 May;146(3):216–20

Streptococcus suis meningitis requires prolonged treatment with penicillin [letter] Woo J, et al. **Infection** 1987 Mar–Apr;15(2):129–30

Cefoperazone therapy of bacterial meningitis: a preliminary report. Cristiano P, et al. **Int J Clin Pharmacol Res** 1987; 7(3):215–7

Hydrocephalus shunt infections and their treatment [letter] Andrew JH, et al. **J Antimicrob Chemother** 1986 Jul; 18(1):145–6

Ciprofloxacin in experimental Pseudomonas aeruginosa meningitis in rabbits. Hackbarth CJ, et al. **J Antimicrob Chemother** 1986 Nov;18 Suppl D:65–9

Treatment of cryptococcal meningitis in mice with fluconazole. Palou de Fernandez E, et al. **J Antimicrob Chemother** 1986 Aug;18(2):261–70

Co-trimoxazole versus nafcillin in the therapy of experimental meningitis due to Staphylococcus aureus. Scheld WM, et al. **J Antimicrob Chemother** 1987 May; 19(5):647–58

Bacteroides fragilis meningitis successfully treated with metronidazole after a previous failure with thiamphenicol. Soriano F, et al. **J Clin Microbiol** 1986 Sep;24(3):472–3

The effect of antibiotic therapy before admission to hospital on recognition of the causative organism in acute bacterial meningitis. Ferguson R. **J Infect** 1986 Nov;13(3):241–4

Antibiotic therapy, endotoxin concentration in cerebrospinal fluid, and brain edema in experimental Escherichia coli meningitis in rabbits. Täuber MG, et al. **J Infect Dis** 1987 Sep;156(3):456–62

Therapy for bacterial meningitis: which drugs, and for how long? Stutman HR, et al. **J Pediatr** 1987 May;110(5):812–4

Treatment of cryptococcal meningitis with combination amphotericin B and flucytosine for four as compared with six weeks. Dismukes WE, et al. **N Engl J Med** 1987 Aug 6;317(6):334–41

Trimethoprim–sulfamethoxazole therapy of neonatal Proteus mirabilis meningitis unresponsive to cefotaxime. Velvis H, et al. **Pediatr Infect Dis** 1986 Sep–Oct;5(5):591–3

Infectious complications of intraventricular reservoirs in cancer patients. Browne MJ, et al. **Pediatr Infect Dis J** 1987 Feb;6(2):182–9

Cefotaxime for treatment of gram-negative bacterial meningitis in infants and children. Feldstein TJ, et al. **Pediatr Infect Dis J** 1987 May;6(5):471–5

Drug of choice for meningitis [letter] Helwig H. **Pediatr Infect Dis J** 1987 Jan;6(1):86

Treatment of Salmonella meningitis and brain abscess with the new cephalosporins: two case reports and a review of the literature. Kinsella TR, et al. **Pediatr Infect Dis J** 1987 May;6(5):476–80

Consensus report: antimicrobial therapy for bacterial meningitis in infants and children. McCracken GH Jr, et al. **Pediatr Infect Dis J** 1987 Jun;6(6):501–5

Candida albicans meningitis in a premature neonate successfully treated with 5-fluorocytosine and amphotericin B: a case report and review of the literature. Lilien LD, et al. **Pediatrics** 1978 Jan;61(1):57–61

Sulbactam/ampicillin vs. chloramphenicol/ampicillin for the treatment of meningitis in infants and children. Rodríguez WJ, et al. **Rev Infect Dis** 1986 Nov–Dec;8 Suppl 5:S620–9

Streptococcus suis meningitis in man in Hong Kong [letter] Woo J. **Trans R Soc Trop Med Hyg** 1986;80(5):848–9

High-dose penicillin therapy in meningopolyneuritis Garin–Bujadoux–Bannwarth. Clinical and cerebrospinal fluid data. Kristoferitsch W, et al. **Zentralbl Bakteriol Mikrobiol Hyg** [A] 1987 Feb; 263(3):357–64

[Ceftriaxone in the treatment of bacterial meningitis] Duniewicz M, et al. **Cas Lek Cesk** 1986 Aug 29; 125(35):1093–6 (Eng. Abstr.) **(Cze)**

[Antibiotic therapy of purulent meningitis] Sansonetti PJ, et al. **Ann Med Interne (Paris)** 1986;137(5):369–71 **(Fre)**

[Treatment of neurosurgical bacterial meningitis using the combination of ceftriaxone–fosfomycin] Stahl JP, et al. **Pathol Biol (Paris)** 1986 May;34(5):479–82 (Eng. Abstr.) **(Fre)**

[Therapy of bacterial meningitis (letter)] Helwig H. **Dtsch Med Wochenschr** 1986 Oct 3;111(40):1542 **(Ger)**

[Meningitis therapy in childhood (letter)] Helwig H, et al. **Dtsch Med Wochenschr** 1987 Apr 3;112(14):568 **(Ger)**

[Cefotaxime monotherapy in bacterial meningitis in childhood] Helwig H, et al. **Monatsschr Kinderheilkd** 1986 Oct;134(10):733–7 (Eng. Abstr.) **(Ger)**

[The trend of childhood bacterial meningitis in Japan (1979–1984). Part 3. On the antibiotic therapy and prognosis] Fujii R, et al. **Jpn J Antibiot** 1987 Feb; 40(2):284–94 (Eng. Abstr.) **(Jpn)**

[Recent trend of childhood bacterial meningitis in Japan (1979–1984). Part 4. A classification of prognosis and antibiotic treatment based on causative agents] Fujii R, et al. **Jpn J Antibiot** 1987 Apr;40(4):812–22 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetic and clinical studies on cefuzonam in the pediatric field] Fujii R, et al. **Jpn J Antibiot** 1986 Oct; 39(10):2601–19 (Eng. Abstr.) **(Jpn)**

[Probability of occurrence of undesirable effects of drug interactions in the treatment of suppurative meningitis] Klimova EA, et al. **Sov Med** 1986;(12):119–21 **(Rus)**

[Effect of hydrocortisone on changes in brain tissue in experimental brain abscess and leptomeningitis] Talyshinskiĭ AM, et al. **Zh Nevropatol Psikhiatr** 1986; 86(7):1061–6 (Eng. Abstr.) **(Rus)**

[Treatment of meningitis caused by enterobacteria (letter)] **Rev Clin Esp** 1987 Feb;180(3):180 **(Spa)**

ENZYMOLOGY

Clinical significance and source of raised catalytic activities of phosphohexose isomerase in the CSF in meningitis. Mathias D, et al. **J Clin Chem Clin Biochem** 1987 Jan; 25(1):15–8

ETIOLOGY

Lymphocytic meningitis: a review of the literature. Van Cutsem E, et al. **Acta Clin Belg** 1987;42(1):28–39

Tick-borne Borrelia-meningitis in children. An outbreak in the Kalmar area during the summer of 1984. Jörbeck HJ, et al. **Acta Paediatr Scand** 1987 Mar;76(2):228–33

Pasteurella multocida meningitis in infancy [letter] Thompson CM Jr, et al. **Am J Dis Child** 1986 Dec;140(12):1216

Recent advances in the pathogenesis and pathophysiology of bacterial meningitis. Quagliarello VJ, et al. **Am J Med Sci** 1986 Nov;292(5):306–9 (30 ref.)

Juxtapapillary choroiditis associated with chronic meningitis due to Coccidioides immitis. Michelson JB, et al. **Ann Ophthalmol** 1983 Jul;15(7):666–8

Recurring meningitis: beware the normal looking ear [letter] Durham I, et al. **Br Med J [Clin Res]** 1987 Jan 17; 294(6565):179

Recurring meningitis: beware the normal looking ear. Durham L, et al. **Br Med J [Clin Res]** 1986 Nov 8; 293(6556):1230

Role of traumatic subdural fluid collection in developing process of chronic subdural hematoma. Ohno K, et al. **Bull Tokyo Med Dent Univ** 1986 Sep;33(3):99–106

Subdural space Campylobacter infection in a child. Ritchie PM, et al. **Can Med Assoc J** 1987 Jul 1;137(1):45–6

Chronic lymphocytic leukemic meningitis as a cause of the syndrome of inappropriate secretion of antidiuretic hormone. Stagg MP, et al. **Cancer** 1987 Jul 15;60(2):191–2

The pathogenesis and prevention of neonatal meningitis and septicaemia. Hurley R. **Clin Exp Obstet Gynecol** 1986; 13(3–4):67–75 (57 ref.)

Achromobacter xylosoxidans meningitis: case report and review of the literature. Sepkowitz DV, et al. **Clin Pediatr (Phila)** 1987 Sep;26(9):483–5

Meningitis due to Cryptococcus neoformans biovar gattii in a Zairean AIDS patient [letter] Kapend'a K, et al. **Eur J Clin Microbiol** 1987 Jun;6(3):320–1

Induction of meningeal inflammation by diverse bacterial cell walls. Tuomanen E, et al. **Eur J Clin Microbiol** 1986 Dec; 5(6):682–4

Brucella melitensis meningitis following head trauma [letter] Michowiz SD, et al. **Infection** 1987 Mar–Apr;15(2):130–1

Post-traumatic meningitis in children. Lau YL, et al. **Injury** 1986 Nov;17(6):407–9

Emerging zoonoses in Africa. 1: Swine encephalitis in man. Ayanwale FO. **Int J Zoonoses** 1986 Dec;13(4):262–5

Tick-borne lymphocytic meningoradiculitis in Ireland: Bannwarth's syndrome/Lyme disease. Carmody E, et al. **Ir Med J** 1987 May;80(5):154

Visual loss in cryptococcal meningitis. Ofner S, et al. **J Clin Neuro Ophthalmol** 1987 Mar;7(1):45–8

Septicaemia and meningitis caused by dysgonic fermenter-2 (DF-2). Chan PC, et al. **J Clin Pathol** 1986 Sep; 39(9):1021–4

Brucella meningitis. Al-Orainey IO, et al. **J Infect** 1987 Mar; 14(2):141–5

Aseptic meningitis due to varicella-zoster virus: serum antibody levels and local synthesis of specific IgG, IgM, and IgA. Echevarría JM, et al. **J Infect Dis** 1987 May; 155(5):959–67

Rhinorrhea and meningitis due to post-traumatic osteo-meningeal defects in the anterior cranial fossa. Diagnosis with water-soluble CT cisternography. Prère J, et al. **J Neuroradiol** 1986;13(4):278–85 **(Eng, Fre)**

Meningitis associated with serial lumbar punctures and post-hemorrhagic hydrocephalus. Smith KM, et al. **J Pediatr** 1986 Dec;109(6):1057–60

Leads from the MMWR. Aseptic meningitis among kidney transplant recipients receiving a newly marketed murine monoclonal antibody preparation. **JAMA** 1986 Oct 10; 256(14):1873

Transsphenoidal hypophysectomy meningitis. Fiscina S. **Milit Med** 1986 Oct;151(10):555–6

Tick-bite meningoradiculoneuritis: clinical, electrophysiologic, and histologic findings in 10 cases. Vallat JM, et al. **Neurology** 1987 May;37(5):749–53

Plasma cell leukemia with meningeal involvement. Simons M, et al. **NY State J Med** 1986 Oct;86(10):539–40

Does enucleation in the presence of endophthalmitis increase the risk of postoperative meningitis? Afran SI, et al. **Ophthalmology** 1987 Mar;94(3):235–7

Non-anthrax Bacillus infections in children. Wiedermann BL. **Pediatr Infect Dis J** 1987 Feb;6(2):218–20

Suppurative intracranial complications of upper respiratory tract infections. Yogev R. **Pediatr Infect Dis J** 1987 Mar; 6(3):324–7 (10 ref.)

The many causes of meningitis. Francke E. **Postgrad Med** 1987 Aug;82(2):175–8, 181–3, 187–8

Recurrent sterile meningitis caused by a pituitary abscess. Ford J, et al. **Postgrad Med J** 1986 Oct;62(732):929–31

Group B streptococcal meningitis in a diabetic adult. Lakhani M, et al. **Postgrad Med J** 1986 Oct;62(732):933–4

Meningitis caused by Streptococcus suis type II. McNeil NI, et al. **Postgrad Med J** 1986 Aug;62(730):743–4

Nocardia asteroides meningitis without brain abscess [letter] Buggy BP. **Rev Infect Dis** 1987 Jan–Feb;9(1):228–31

Nocardia asteroides meningitis [letter] Smith PW. **Rev Infect Dis** 1987 May–Jun;9(3):662

Strongyloides meningitis. Belani A, et al. **South Med J** 1987 Jul;80(7):916–8

Gram-negative bacillary meningitis in the adult: review of 39 cases. Gower DJ, et al. **South Med J** 1986 Dec; 79(12):1499–502

Recurrent meningitis of 5 years duration due to Cryptococcus neoformans. Woo E, et al. **Trop Geogr Med** 1987 Jan; 39(1):67–9

Borrelia meningitis in Denmark. Hansen K, et al. **Zentralbl Bakteriol Mikrobiol Hyg** [A] 1987 Feb; 263(3):348–50

[30 patients with a 'hidden' disease: cryptococcal meningitis] Teunissen AW, et al. **Ned Tijdschr Geneeskd** 1987 Jun 27; 131(26):1123–8 (Eng. Abstr.) **(Dut)**

[Anatomo-clinical conference. Hôpital de la Pitié-Salpêtrière. Case No. 3—1986. Meningitis occurring in a man treated with corticoids for angioimmunoblastic lymphadenopathy] Guillevin L, et al. **Ann Med Interne (Paris)** 1986;137(4):346–52 (Eng. Abstr.) **(Fre)**

[Mondini's syndrome. Apropos of 2 cases] Kedous F, et al. **Ann Otolaryngol Chir Cervicofac** 1986;103(4):265–9 (Eng. Abstr.) **(Fre)**

[2 cases of mycotic infection caused by Cryptococcus neoformans] Ben Jilani S, et al. **Arch Inst Pasteur Tunis** 1986 Dec;63(4):477–80 (Eng. Abstr.) **(Fre)**

[2 cases of bacterial meningitis after sclerotherapy of esophageal varices (letter)] Champigneulle B, et al. **Gastroenterol Clin Biol** 1986 Aug–Sep;10(8–9):612–3 **(Fre)**

[Mondini's malformation: a case of congenital malformation of the inner ear associated with recurrent meningitis] Uytterhaegen P, et al. **J Belge Radiol** 1986;69(4):263–6 (Eng. Abstr.) **(Fre)**

[Three successive cases of salmonella meningitis in Gabon] Flocard F, et al. **Med Trop (Mars)** 1986 Oct–Dec; 46(4):397–9 (Eng. Abstr.) **(Fre)**

[Recurrent purulent meningitis and deafness: Mondini's malformation] Colmant A, et al. **Pediatrie** 1986 Jun; 41(4):315–20 (Eng. Abstr.) **(Fre)**

[Post-neurosurgical purulent meningitis. 31 cases] Chauveau D, et al. **Presse Med** 1987 Feb 21;16(6):295–8 (Eng. Abstr.) **(Fre)**

[Neuromeningeal hypodermyiasis complicated by hydrocephaly. Value of nuclear magnetic resonance imaging] François P, et al. **Presse Med** 1987 Jun 27; 16(25):1231–3 (Eng. Abstr.) **(Fre)**

[Bacteroides fragilis meningitis. 2 cases] Houvenaeghel M, et al. **Presse Med** 1986 Oct 4;15(33):1669–72 (Eng. Abstr.) **(Fre)**

[2 severe neurologic forms of Lyme disease (letter)] Louis FJ, et al. **Presse Med** 1987 Jan 10–17;16(1):32–3 **(Fre)**

[Neurologic aspects of Lyme disease] Masson C. **Presse Med** 1987 Jan 24;16(2):72–5 (30 ref.) (Eng. Abstr.) **(Fre)**

[Fatal meningoradiculoneuritis in Lyme disease (letter)] Melet M, et al. **Presse Med** 1986 Nov 22;15(41):2075 **(Fre)**

[Meningoradiculitis after a tick bite. Study of 31 cases] Hirsch E, et al. **Rev Neurol (Paris)** 1987;143(3):182–8 (Eng. Abstr.) **(Fre)**

[Lyme disease of a neurological form. Apropos of 2 new cases of meningoradiculitis] Collet P, et al. **Rev Rhum Mal Osteoartic** 1987 May;54(5):401–2 **(Fre)**

[Diagnosis and treatment of Borrelia burgdorferi infections in France. Apropos of 3 cases of Lyme disease of neurological form] Ruel M, et al. **Rev Rhum Mal Osteoartic** 1987 Jan;54(1):55–8 **(Fre)**

[Meningitis following lumbar puncture (letter)] Böcker H, et al. **Dtsch Med Wochenschr** 1987 Jan 16;112(3):120 **(Ger)**

[Meningitis following lumbar puncture (letter)] Helwig H. **Dtsch Med Wochenschr** 1986 Sep 19;111(38):1461 **(Ger)**

[Hemorrhagic internal pachymeningitis. A clinical study of 131 cases] Klein ME, et al. **Dtsch Med Wochenschr** 1986 Sep 19;111(38):1431–4 (Eng. Abstr.) **(Ger)**

[Late histoacryl-induced complications of dura surgery in the frontal and lateral base of the skull] Chilla R. **HNO** 1987 Jun;35(6):250–1 (Eng. Abstr.) **(Ger)**

[Meningitis following lumbar puncture in bacteremia?] Wintergerst U, et al. **Monatsschr Kinderheilkd** 1986 Nov; 134(11):826–8 (Eng. Abstr.) **(Ger)**

[Anthrax meningitis] Dürst UN, et al. **Schweiz Med Wochenschr** 1986 Sep 6;116(36):1222–8 (Eng. Abstr.) **(Ger)**

[Rhinogenic meningitis today] Winkler U, et al. **Z Arztl Fortbild (Jena)** 1987;81(5):231–3 **(Ger)**

[Bacterial meningitis] Di Nola F. **Minerva Med** 1987 Jan 15; 78(1):1–19 (Eng. Abstr.) **(Ita)**

[Extrarenal kidney failure and cerebrospinal meningitis caused by Candida albicans infection] Gura C, et al. **Pediatr Pol** 1986 Dec;61(12):818–20 **(Pol)**

[Recurrent suppurative cerebrospinal meningitis and encephalitis] Jeżyna C. **Wiad Lek** 1986 May 15; 39(10):677–82 (Eng. Abstr.) **(Pol)**

[Clinical observations on a case of chronic otomastoiditis complicated by purulent meningitis and cerebral abscess] Gheorghe R. **Rev Chir [Otorinolaringol]** 1987 Jan–Mar; 32(1):73–5 **(Rum)**

[Intracranial complications in chronic suppurative otomastoiditis at the Timişoara ORL Clinic 1974–1984] Sarău M, et al. **Rev Chir [Otorinolaringol]** 1987 Apr–Jun; 32(2):119–25 (Eng. Abstr.) **(Rum)**

[Role of Mycoplasma pneumoniae in meningitis and meningoencephalitis] Kononenko VV, et al. **Vrach Delo** 1987 Mar;(3):108–11 (Eng. Abstr.) **(Rus)**

[Purulent meningitis as a complication of myelography (letter)] Blanch Torra L, et al. **Med Clin (Barc)** 1986 Oct

4;87(10):435–6 (Spa)
[Purulent meningitis as a complication of myelography (letter)] García–Rodríguez JA, et al. **Med Clin (Barc)** 1987 Apr 4;88(13):565 (Spa)
[Iatrogenic meningitis (letter)] Monteis J, et al. **Med Clin (Barc)** 1987 Jul 4;89(6):262 (Spa)
[Bacterial meningitis in childhood] Palomeque Rico A, et al. **Med Clin (Barc)** 1986 Nov 22;87(17):725–9 (29 ref.) (Spa)
[Bacterial meningitis in a general hospital. Etiology of 604 cases (letter)] Pérez Trallero E, et al. **Med Clin (Barc)** 1987 Jan 24;88(3):126 (Spa)
[Acute spinal epidural abscess presenting as acute meningitis (letter)] Posada IJ, et al. **Med Clin (Barc)** 1986 Oct 25;87(13):566–7 (Spa)
[The first case of cryptococcal meningitis in a Swedish patient with AIDS] Karlsson M, et al. **Lakartidningen** 1986 Nov 12;83(46):3918–20 (Swe)

FAMILIAL & GENETIC

[Recurrent meningitis in familial deficiency of the 8th component of the complement system] Keller H, et al. **Klin Wochenschr** 1987 Apr 15;65(8):387–90 (Eng. Abstr.) (Ger)

IMMUNOLOGY

Mollaret's meningitis: a case with increased circulating natural killer cells. Goldstein R, et al. **Ann Neurol** 1986 Sep;20(3):359–61
Immunoglobulin abnormalities in cerebrospinal fluid and blood over the course of lymphocytic meningoradiculitis (Bannwarth's syndrome). Henriksson A, et al. **Ann Neurol** 1986 Sep;20(3):337–45
Oligoclonal antibodies in CSF of patients with meningopolyneuritis Garin–Bujadoux–Bannwarth: Ig class, light chain type and specificity. Kristoferitsch W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):307–13
Anti–myelin antibodies in cerebrospinal fluid and serum of patients with meningopolyneuritis Garin–Bujadoux–Bannwarth and other neurological diseases. Suchanek G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):160–8
[Immunoglobulins in the cerebrospinal fluid and serum of patients with acute inflammations of the meninges and brain] Duliček K, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1984;27(4):289–99 (Eng. Abstr.) (Cze)
[Circulating immune complexes in the blood serum and cerebrospinal fluid of meningitis and meningoencephalitis patients] Shuliak VI, et al. **Vrach Delo** 1986 Oct;(10):16–9 (Eng. Abstr.) (Rus)

METABOLISM

Experimental meningitis in the rabbit. II. Cerebral energy metabolism in relation to increased cerebrospinal fluid concentrations of lactate. Lindquist L, et al. **Acta Neurol Scand** 1987 Jun;75(6):405–9
Penetration of aztreonam into cerebrospinal fluid and brain of noninfected rabbits and rabbits with experimental meningitis caused by Pseudomonas aeruginosa. Strausbaugh LJ, et al. **Antimicrob Agents Chemother** 1986 Nov;30(5):701–4

MICROBIOLOGY

Pseudomeningitis caused by Sporobolomyces salmonicolor. Bross JE, et al. **Am J Infect Control** 1986 Oct;14(5):220–3
A strain of multiform Cryptococcus neoformans. Liao WQ, et al. **Chin Med J [Engl]** 1986 Oct;99(10):787–90
Salmonella meningitis: report of five cases. Chaudhary U, et al. **Indian J Pediatr** 1986 May–Jun;53(3):419–22
Analysis of the genetic determinants coding for the S–fimbrial adhesin (sfa) in different Escherichia coli strains causing meningitis or urinary tract infections. Ott M, et al. **Infect Immun** 1986 Dec;54(3):646–53
Activity of six contemporary antibacterial agents against 96 isolates from purulent meningitis: the contribution of desacetylcefotaxime to antimicrobial potency [letter] Jones RN, et al. **J Antimicrob Chemother** 1987 Jun;19(6):843–5
Identification and distribution of Flavobacterium meningosepticum in clinical material. Holmes B. **J Appl Bacteriol** 1987 Jan;62(1):29–41
Non–neonatal meningitis due to less common bacterial pathogens, the Netherlands, 1975–83. Spanjaard L, et al. **J Hyg (Lond)** 1986 Oct;97(2):219–28
Septicaemia and meningitis caused by a group G streptococcus. Devière J, et al. **J Infect** 1986 Nov; 13(3):285–7
Francisella tularensis meningitis: a rare clinical entity. Lovell VM, et al. **J Infect Dis** 1986 Nov;154(5):916–8
Laboratory–acquired meningitis caused by Brucella abortus strain 19 [letter] Montes J, et al. **J Infect Dis** 1986 Nov; 154(5):915–6
Streptococcus bovis meningitis [letter] Jacobson MA, et al. **J Neurol Neurosurg Psychiatry** 1987 Jul;50(7):940–1
Rarity of genital Mycoplasma infection in young infants with aseptic meningitis [letter] Likitnukul S, et al. **J Pediatr** 1987 Jun;110(6):998
The predictive value of petechiae in adults with bacterial meningitis [letter] Mancebo J, et al. **JAMA** 1986 Nov 28; 256(20):2820
[Prognostic factors in bacterial meningitis in adults. Retrospective analysis of 46 patients] Zimmerli W, et al. **Schweiz Med Wochenschr** 1987 Jun 6;117(23):861–7 (Eng. Abstr.) (Ger)
[Trends in childhood bacterial meningitis in Japan (1979–1984). (Part 1). On the causative organisms] Fujii R, et al. **Kansenshogaku Zasshi** 1986 Jun;60(6):592–601 (Eng. Abstr.) (Jpn)
[Two cases of Campylobacter fetus meningitis] Iida Y, et al. **Kansenshogaku Zasshi** 1986 Mar;60(3):271–6 (Eng. Abstr.) (Jpn)
[The role of non–sporulating anaerobic microbes in the etiology and pathogenesis of purulent meningitis] Bálint O, et al. **Cas Lek Cesk** 1986 Aug 29;125(35):1090–2 (Eng. Abstr.) (Slo)
[Purulent meningitis caused by gram–negative bacilli in adults] Bálint O, et al. **Cesk Neurol Neurochir** 1987 Mar; 50(2):117–24 (Eng. Abstr.) (Slo)
[Bacterial meningitis in pediatrics (letter)] García–Rodríguez JA, et al. **Med Clin (Barc)** 1987 Apr 4;88(13):567 (Spa)

MORTALITY

[Deaths caused by cerebrospinal meningitis in Poland in 1967] Zabicka J. **Pol Tyg Lek** 1969 Dec 1;24(48):1851–2 (Eng. Abstr.) (Pol)

OCCURRENCE

Ventriculostomy–related infections—an epidemiological study. Stenager E, et al. **Acta Neurochir (Wien)** 1986; 83(1–2):20–3
Aseptic meningitis due to echovirus 4 in Panama City, Republic of Panama. Reeves WC, et al. **Am J Epidemiol** 1987 Apr;125(4):562–75
Bacterial meningitis in infants two to six weeks old. Benderly A, et al. **Helv Paediatr Acta** 1986 Oct;41(4):311–5
Isolation of Echovirus type 11 and Enterovirus type 71 in a day care winter outbreak. Moses EB, et al. **J Arkansas Med Soc** 1987 May;83(12):469–71
Central nervous system infections in Benghazi, Libya: experience from a community–based adult medical neurology set–up. Radhakrishnan K, et al. **J Trop Med Hyg** 1987 Jun;90(3):123–6
Staphylococcus aureus meningitis: a broad–based epidemiologic study. Schlesinger LS, et al. **Medicine (Baltimore)** 1987 Mar;66(2):148–56
Outbreak of neonatal Citrobacter diversus meningitis in a suburban hospital. Lin FC, et al. **Pediatr Infect Dis J** 1987 Jan;6(1):50–5
Paediatric meningitis in the western Cape. A 3–year hospital–based prospective survey. Donald PR, et al. **S Afr Med J** 1986 Sep 27;70(7):391–5
Post–neurosurgical and spontaneous gram–negative bacillary meningitis in adults. Mancebo J, et al. **Scand J Infect Dis** 1986;18(6):533–8
Incidence and prognosis of central nervous system infections in a birth cohort of 12,000 children. Rantakallio P, et al. **Scand J Infect Dis** 1986;18(4):287–94
Meningitis and unpaved roads. Williams R. **Soc Sci Med** 1987; 24(2):109–15
Bannwarth's syndrome in the Netherlands. Wokke JH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):351
[Incidence and methods of diagnosis of bacterial and meningococcal meningitis in Czechoslovakia in 1983] Kuzemenská P, et al. **Cesk Epidemiol Mikrobiol Imunol** 1986 Sep;35(5):259–68 (Eng. Abstr.) (Cze)
[576 cases of infantile meningitis] Llor Vilà JL, et al. **Rev Sanid Hig Publica (Madr)** 1986 Sep–Oct;60(9–10):981–9 (Eng. Abstr.) (Spa)

PARASITOLOGY

[An important endemic in the Marquesas: neural angiostrongylosis] Roux J, et al. **Med Trop (Mars)** 1987 Apr–Jun;47(2):141–4 (Eng. Abstr.) (Fre)

PATHOLOGY

Non–obstructive idiopathic pachymeningitis cervicalis hypertrophica. Kao KP, et al. **J Neurol Neurosurg Psychiatry** 1986 Dec;49(12):1441–4
Meningopolyneuritis Bannwarth with focal nodular myositis. A new aspect in Lyme borreliosis. Schmutzhard E, et al. **Klin Wochenschr** 1986 Nov 17;64(22):1204–8
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 41–1987. A 27–year–old woman with remote idiopathic thrombocytopenic purpura, recurrent thrombocytopenia, and headache. **N Engl J Med** 1987 Oct 8;317(15):946–53
[Sonographic follow–up studies in purulent meningitis and its complications in infancy] Schwalbe J, et al. **Monatsschr Kinderheilkd** 1986 Sep;134(9):674–7 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Experimental meningitis in the rabbit. I. Arterial blood pressure and acid–base balance during halothane anesthesia and in situ freezing of the brain. Lindquist L, et al. **Acta Neurol Scand** 1987 Jun;75(6):400–4
Pachymeningitis cervicalis hypertrophica. Case report. Rosenfeld JV, et al. **J Neurosurg** 1987 Jan;66(1):137–9
Electrophysiologic findings in meningopolyneuritis of Garin–Bujadoux–Bannwarth. Graf M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):324–7
Tick bite meningoradiculitis. Ten cases. Lubeau M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):321–3
[Neonatal purulent meningitis. Apropos of 25 cases] Hedoui MM, et al. **Tunis Med** 1986 Aug–Sep;64(8–9):687–91 (Eng. Abstr.) (Fre)

PREVENTION & CONTROL

Prophylactic antibiotics in the treatment of fractures at the base of the skull. Zrebeet HA, et al. **Del Med J** 1986 Nov; 58(11):741–8

RADIOGRAPHY

Computed tomography in childhood intracranial infections. Laney MS, et al. **Am Fam Physician** 1987 Mar;35(3):179–81
Cryptococcus meningitis, clinical—CT scan considerations. Tan CT, et al. **Neuroradiology** 1987;29(1):43–6

RADIONUCLIDE IMAGING

Recurring meningitis: beware the normal looking ear [letter] Hawthorne M. **Br Med J [Clin Res]** 1986 Dec 6; 293(6560):1504

THERAPY

Initial fluid therapy for children with meningitis with consideration of the syndrome of inappropriate anti–diuretic hormone. Kanakriyeh M, et al. **Clin Pediatr (Phila)** 1987 Mar;26(3):126–30
Supportive therapy for bacterial meningitis. Kaplan SL, et al. **Pediatr Infect Dis J** 1987 Jul;6(7):670–7 (52 ref.)
[Immunoglobulins in the treatment of bacterial meningitis in childhood] Noack R, et al. **Infection** 1987 Jan–Feb; 15(1):11–5 (Eng. Abstr.) (Ger)

TRANSMISSION

Pasturella multocida meningitis in a dog lover (or don't kiss pets!). Rhodes M. **J R Soc Med** 1986 Dec;79(12):747–8

VETERINARY

Therapy in two cases of neonatal foal septicaemia and meningitis with cefotaxime sodium. Morris DD, et al. **Equine Vet J** 1987 Mar;19(2):151–4
Bacterial meningitis and diseases caused by bacterial toxins. Rings DM. **Vet Clin North Am [Food Anim Pract]** 1987 Mar;3(1):85–98 (37 ref.)
Streptococcus suis type 2 infections in pigs in the Netherlands (Part two). van Leengoed LA, et al. **Vet Q** 1987 Apr; 9(2):111–7
Streptococcal meningitis in pigs: field trial to study the prophylactic effect of trimethoprim/sulphadiazine medication in feed. Guise HJ, et al. **Vet Rec** 1986 Oct 18; 119(16):395–400
[Sterile, purulent meningitis and generalized vasculitis caused by a new drug for prevention of nidation in the dog] Kälin S, et al. **Schweiz Arch Tierheilkd** 1987 Jul;129(7):335–42 (Eng. Abstr.) (Ger)

MENINGITIS, ASEPTIC see under **MENINGITIS**

MENINGITIS, HAEMOPHILUS

Invasive haemophilus disease after b–CAPSA vaccine [letter] Strampfer MJ, et al. **Pediatr Infect Dis** 1986 Nov–Dec; 5(6):722

CEREBROSPINAL FLUID

[Haemophilus influenzae B meningitis detected by a quick–diagnosis cerebrospinal fluid test] Csiszár K, et al. **Orv Hetil** 1986 Aug 24;127(34):2081–2 (Eng. Abstr.) (Hun)

COMPLICATIONS

Hearing loss in pediatric meningitis. Cooper RF 3d, et al. **Am Fam Physician** 1987 Apr;35(4):133–8
Thrombocytosis in children with Hemophilus influenzae meningitis. Thomas GA, et al. **Clin Pediatr (Phila)** 1986 Dec;25(12):610–1
Arthritis associated with Haemophilus influenzae meningitis [letter] Marks MI. **J Pediatr** 1987 Mar;110(3):498–9
Unusual case of Haemophilus influenzae type b: Haemophilus influenzae type b meningitis cellulitis and subcutaneous abscess. Medina FA. **Pediatr Emerg Care** 1987 Mar; 3(1):28–9
Sequelae of bacterial meningitis. Dodge PR. **Pediatr Infect Dis** 1986 Nov–Dec;5(6):618–20
Association between preadmission oral antibiotic therapy and cerebrospinal fluid findings and sequelae caused by Haemophilus influenzae type b meningitis. Kaplan SL, et al. **Pediatr Infect Dis** 1986 Nov–Dec;5(6):626–32

DIAGNOSIS

Rapid diagnosis of severe Haemophilus influenzae serotype b infections by monoclonal antibody enzyme immunoassay

for outer membrane proteins. Belmaaza A, et al. **J Clin Microbiol** 1986 Sep;24(3):440–5
Bacterial meningitis: diagnosis and initial antibiotic therapy. Dagbjartsson A, et al. **Pediatr Clin North Am** 1987 Feb; 34(1):219–30 (58 ref.)
Risk of diagnostic lumbar puncture in acute bacterial meningitis. Heldrich FJ, et al. **Pediatr Emerg Care** 1986 Sep;2(3):180–2
Rapid etiological diagnosis of pyogenic meningitis by coagglutination, latex agglutination and immunoosmophoresis of cerebrospinal fluid, serum and urine. Habte-Gabr E, et al. **Trop Geogr Med** 1987 Apr; 39(2):137–43
Rapid laboratory diagnosis of bacterial meningitis employing coagglutination test. Samad Talukder MA, et al. **Trop Geogr Med** 1987 Apr;39(2):133–6

DRUG THERAPY

Meningitis due to Haemophilus influenzae resistant to ampicillin and chloramphenicol. Fraise AP, et al. **Arch Dis Child** 1986 Nov;61(11):1134–5
Haemophilus influenzae type b meningitis resistant to ampicillin and chloramphenicol [letter] Gairi JM, et al. **Arch Dis Child** 1986 Dec;61(12):1245
Treatment of bacterial meningitis. Schaad UB. **Eur J Clin Microbiol** 1986 Oct;5(5):492–7 (30 ref.)
Bacterial meningitis: is there a "best" antimicrobial therapy? Eichenwald HF. **Eur J Pediatr** 1987 May;146(3):216–20
Meningitis and septicaemia due to a multiply resistant strain of Haemophilus influenzae type b. Karrar ZA, et al. **J Infect** 1987 Jan;14(1):61–5
Dexamethasone in the treatment of experimental Haemophilus influenzae type b meningitis [published erratum appears in J Infect Dis 1987 JUn;155(6):1359] Syrogiannopoulos GA, et al. **J Infect Dis** 1987 Feb; 155(2):213–9
Chemotherapy of bacterial meningitis in children [letter] Hansman D. **Med J Aust** 1987 Jan 19;146(2):111
Multiply-resistant Haemophilus influenzae type b causing systemic disease in children in Australia. Forsyth K, et al. **Pathology** 1986 Oct;18(4):386–9

ETIOLOGY

Onset of Hemophilus influenzae type-b meningitis during cefaclor therapy for preseptal cellulitis. Brady MT, et al. **Clin Pediatr (Phila)** 1987 Mar;26(3):132–4
Nosocomial Hemophilus influenzae type C meningitis in an adult. Neihart RE, et al. **Diagn Microbiol Infect Dis** 1987 Jan;6(1):69–71
Stupor, stiff neck, and fever after closed-head injury. Cope D, et al. **Hosp Pract [Off]** 1987 Mar 30;22(3A):137–8
Recurrent meningitis due to spontaneous cerebrospinal fluid otorrhea. A case report. Komune S, et al. **Int J Pediatr Otorhinolaryngol** 1986 Sep;11(3):257–64
Haemophilus influenzae type b strains of outer membrane subtypes 1 and 1c cause different types of invasive disease. Takala AK, et al. **Lancet** 1987 Sep 19;2(8560):647–50
[Meningitis caused by Haemophilus influenzae type Ib resistant to ampicillin and chloramphenicol] Harada Y, et al. **Kansenshogaku Zasshi** 1987 Jan;61(1):101–6 (Eng. Abstr.) **(Jpn)**
[Meningitis in adults caused by Haemophilus influenzae (letter)] Pérez Trallero E, et al. **Rev Clin Esp** 1986 Oct; 179(6):338 **(Spa)**

IMMUNOLOGY

Immune response to Haemophilus influenzae type b lipooligosaccharide in infants with Haemophilus meningitis. Patrick CC, et al. **J Infect Dis** 1987 Sep;156(3):516–20
[Variable immunologic deficiency syndrome in a 10 1/2-year-old girl with Haemophilus meningitis] Glöckel U, et al. **Monatsschr Kinderheilkd** 1987 May;135(5):274–6 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Hemophilus influenzae type f meningitis in an adolescent. Klein BL, et al. **Pediatr Emerg Care** 1985 Sep;1(3):145–6
Duration of pharyngeal carriage of Haemophilus influenzae type b in children hospitalized with systemic infections. Ogle JW, et al. **Pediatr Infect Dis** 1986 Sep–Oct;5(5):509–11
Failure to detect chloramphenicol-resistant Haemophilus influenzae by routine susceptibility testing. Ramos OM, et al. **Pediatr Infect Dis J** 1987 Apr;6(4):420–1
[Meningitis caused by Haemophilus influenzae type b resistant to ampicillin and chloramphenicol] Pers C, et al. **Ugeskr Laeger** 1986 Nov 3;148(45):2926–7 (Eng. Abstr.) **(Dan)**

OCCURRENCE

Invasive Haemophilus influenzae disease in adults. Crowe HM, et al. **Arch Intern Med** 1987 Feb;147(2):241–4
Systemic Hemophilus influenzae disease in children. A 10-year retrospective study of an urban hospital population. Nesheim SR, et al. **Clin Pediatr (Phila)** 1986 Dec; 25(12):605–9
Ten years' experience of Haemophilus influenzae infection at Birmingham Children's Hospital. Dyas A, et al. **J Infect** 1986 Sep;13(2):179–85
A bacteriological study of meningitis in Kumasi, Ghana [letter] Zadik PM. **J Infect** 1986 Nov;13(3):305–6
Meningitis caused by multiply-resistant Haemophilus influenzae in Newcastle [letter] Rowley MP, et al. **Med J Aust** 1987 Jun 15;146(12):658
Increased incidence of childhood bacterial meningitis. A 25-year study in a defined population in Sweden. Salwén KM, et al. **Scand J Infect Dis** 1987;19(1):1–11
Invasive haemophilus influenzae and meningococcal infections in Finland. A climatic, epidemiologic and clinical approach. Valmari P, et al. **Scand J Infect Dis** 1987; 19(1):19–27
[Compulsory reporting of diseases caused by Haemophilus influenzae type b?] Bol P, et al. **Ned Tijdschr Geneeskd** 1987 Jun 13;131(24):1034–6 **(Dut)**

PHYSIOPATHOLOGY

Hemophilus influenzae meningitis in the rat: behavioral, electrophysiological, and biochemical consequences. Konkol RJ, et al. **Ann Neurol** 1987 Apr;21(4):353–60

PREVENTION & CONTROL

Chemoprophylaxis for bacterial meningitis. Herbaut AG, et al. **Acta Clin Belg** 1986;41(6):402–10 (32 ref.)
Demographics of meningitis-induced hearing impairment: implications for immunization of children against Hemophilus influenzae type B. Wolff AB, et al. **Am Ann Deaf** 1987 Mar;132(1):26–30
Failure of a single dose of ceftriaxone to eradicate nasopharyngeal colonization of Haemophilus influenzae type b. Rowley AH, et al. **J Pediatr** 1987 May;110(5):792–4
Chemical perspectives in the design of a pediatric meningitis vaccine. Penney CL. **NY State J Med** 1987 Apr;87(4):226–9 (33 ref.)
New prospects for preventing Haemophilus influenzae type b meningitis through immunization [editorial] Pochedly C. **NY State J Med** 1987 Apr;87(4):195–6
Molecular epidemiology of Haemophilus influenzae type B: failure of rifampin prophylaxis in a day care center. Wilde J, et al. **Pediatr Infect Dis** 1986 Sep–Oct;5(5):505–8
Prevention of meningitis in a day-care center: management of an outbreak of Haemophilus influenzae type b. Williams CL, et al. **Prev Med** 1987 Mar;16(2):261–8

RADIOGRAPHY

Computed tomography in childhood intracranial infections. Laney MS, et al. **Am Fam Physician** 1987 Mar;35(3):179–81
Prospective study of computed tomography in acute bacterial meningitis. Cabral DA, et al. **J Pediatr** 1987 Aug; 111(2):201–5

THERAPY

Management of pediatric patients with bacterial meningitis in the emergency department. Nahata MC, et al. **Drug Intell Clin Pharm** 1986 Oct;20(10):796–8

TRANSMISSION

Secondary cases of invasive disease caused by spread of Haemophilus influenzae type b. Eskola J, et al. **J Infect** 1987 May;14(3):233–6
[Severe Haemophilus influenzae infections in children are contagious] Eskola J, et al. **Duodecim** 1986;102(15):1040–3 **(Fin)**

MENINGITIS, LISTERIA

Nonneonatal relapsing meningitis caused by Listeria monocytogenes [letter] Hervas JA, et al. **Pediatr Infect Dis** 1986 Nov–Dec;5(6):721

COMPLICATIONS

Listeria monocytogenes: a rare cause of opportunistic infection in the acquired immunodeficiency syndrome (AIDS) and a new cause of meningitis in AIDS. A case report. Gould IA, et al. **AIDS Res** 1986 Summer;2(3):231–4
[External lumbar drainage in Listeria monocytogenes meningitis (letter)] Bouffet E, et al. **Presse Med** 1986 Sep 13;15(29):1380 **(Fre)**
[Neuromeningeal listeriosis in adults, excluding pregnancy. Prognosis and development of neurologic manifestations. Retrospective study of 63 cases] Choutet P, et al. **Presse Med** 1987 May 16;16(18):885–8 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Listeria monocytogenes meningitis in adults. Sixteen consecutive cases 1973–1982. Hansen PB, et al. **Scand J Infect Dis** 1987;19(1):55–60

DRUG THERAPY

Treatment of Listeria meningitis with cephalothin combined with trimethoprim [letter] van Keulen PH, et al. **J Infect** 1986 Nov;13(3):303–5
Listeria meningitis resistant to ampicillin. Lyn PC, et al. **J Singapore Paediatr Soc** 1986;28(3–4):247–9
Listeria monocytogenes meningitis treated with trimethoprim-sulfamethoxazole. Armstrong RW, et al. **Pediatr Infect Dis** 1986 Nov–Dec;5(6):712–3
[Treatment of neuro-meningeal listeriosis in patients over 60 with a combination of ampicillin and trimethoprim-sulfamethoxazole] Becq-Giraudon B, et al. **Pathol Biol (Paris)** 1987 May;35(5):626–8 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Listeria meningitis. Report of two cases. Fitzmaurice S, et al. **NY State J Med** 1986 Aug;86(8):442–3

MICROBIOLOGY

[A case of purulent meningitis caused by Listeria monocytogenes type 4c] Nagai T, et al. **Kansenshogaku Zasshi** 1986 Mar;60(3):267–70 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Neonatal listeriosis: a report of seven cases. Lubani MM, et al. **Ann Trop Paediatr** 1987 Mar;7(1):42–6
Aspects of the epidemiology of human Listeria monocytogenes infections in Britain 1967–1984; the use of serotyping and phage typing. McLauchlin J, et al. **J Med Microbiol** 1986 Dec;22(4):367–77

MENINGITIS, MENINGOCOCCAL

BLOOD

[Lipid peroxidation and hyperfermentemia in bacterial lesions of the CNS] Roslyl IM, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):672–5 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Meningococcal meningitis with a benign skin rash. Rubenstein R, et al. **Pediatr Dermatol** 1986 Nov;3(5):414–6
Recurrent meningitis with familial C8 deficiency: case report. Eby WM, et al. **Va Med** 1987 Feb;114(2):91–4
[Meningococcal meningitis complicated by panophthalmitis] Muallem Y, et al. **Harefuah** 1987 Feb 15;112(4):173 (Eng. Abstr.) **(Heb)**
[Prognosis of complications in generalized forms of meningococcal infection based on various nonspecific resistance factors] Iatsenko LA, et al. **Klin Med (Mosk)** 1987 Apr;65(4):115–7 (Eng. Abstr.) **(Rus)**
[Various characteristics of the thrombohemorrhagic syndrome in a generalized form of meningococcal infection complicated by toxic-infectious shock] Poliakova AM, et al. **Ter Arkh** 1986;58(10):38–42 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Myopericarditis as an initial presentation of meningococcemia. Unusual manifestation of infection with serotype W135. Brasier AR, et al. **Am J Med** 1987 Mar 23;82(3 Spec No):641–4
The incubation period necessary for detection of bacteremia in immunocompetent children with fever. Implications for the clinician. Rowley AH, et al. **Clin Pediatr (Phila)** 1986 Oct;25(10):485–9
Comparison of direct-microscopy, culture and latex agglutination tests for the diagnosis of meningococcal meningitis. Ichhpujani RL, et al. **J Commun Dis** 1986 Jun; 18(2):73–6
Atypical presentation of meningococcal meningitis. Mahida Y, et al. **J Infect** 1986 Nov;13(3):276–9
The diagnosis of meningococcal meningitis [letter] Ratner H. **JAMA** 1987 Mar 20;257(11):1474–5
Bacterial meningitis: diagnosis and initial antibiotic therapy. Dagbjartsson A, et al. **Pediatr Clin North Am** 1987 Feb; 34(1):219–30 (58 ref.)
Rapid etiological diagnosis of pyogenic meningitis by coagglutination, latex agglutination and immunoosmophoresis of cerebrospinal fluid, serum and urine. Habte-Gabr E, et al. **Trop Geogr Med** 1987 Apr; 39(2):137–43
Rapid laboratory diagnosis of bacterial meningitis employing coagglutination test. Samad Talukder MA, et al. **Trop Geogr Med** 1987 Apr;39(2):133–6
[Meningococcal infection with Waterhouse-Friderichsen syndrome—a case report with conclusions for the ambulatory care physician] Müller C, et al. **Z Arztl Fortbild (Jena)** 1986;80(12):507–9 **(Ger)**
[Diagnostic test system for detecting the meningococcal antigen by erythro-immunoadsorption] Plaksin DIu, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):82–6 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Four days of penicillin therapy for meningococcal meningitis. Viladrich PF, et al. **Arch Intern Med** 1986 Dec; 146(12):2380–2
Ceftriaxon in treatment of bacterial meningitis. Duniewicz M, et al. **Czech Med** 1986;9(4):191–5
Treatment of bacterial meningitis. Schaad UB. **Eur J Clin Microbiol** 1986 Oct;5(5):492–7 (30 ref.)
[Dexamethasone in the treatment of meningococcal meningitis] Baldy JL, et al. **Rev Paul Med** 1986 Mar–Apr; 104(2):61–5 (Eng. Abstr.) **(Por)**

ETIOLOGY

Partial lipodystrophy, meningococcal meningitis and nephritis. Schifferli JA, et al. **Dermatologica** 1986; 173(1):9–12

Factors influencing susceptibility to meningococcal disease during an epidemic in The Gambia, West Africa. Greenwood BM, et al. **J Infect** 1987 Mar;14(2):167–84

[Serogroup Y meningococcal meningitis in Spain: apropos of a case (letter)] Vallés J, et al. **Med Clin (Barc)** 1987 Jan 10;88(1):39 **(Spa)**

FAMILIAL & GENETIC

[A family with meningococcal infections] Tersmette–Steenstra HM, et al. **Ned Tijdschr Geneeskd** 1986 Dec 6;130(49):2213–6 (Eng. Abstr.) **(Dut)**

IMMUNOLOGY

Erosive immune complex–mediated arthritis associated with meningococcal meningitis. Olivieri I, et al. **Clin Rheumatol** 1986 Dec;5(4):531–4

Bactericidal capacity against Neisseria meningitidis of normal human serum and sera with functional deficiencies of the third and eight complement factor. Strate M, et al. **Eur J Clin Invest** 1987 Jun;17(3):226–30

Human immune response to iron–repressible outer membrane proteins of Neisseria meningitidis. Black JR, et al. **Infect Immun** 1986 Dec;54(3):710–3

Recurrent meningococcal meningitis associated with deficiencies of C8 and anti–meningococcal antibody. Cooke RP, et al. **J Clin Lab Immunol** 1987 May;23(1):53–6

Antibody response in group B meningococcal disease determined by enzyme–linked immunosorbent assay with serotype 15 outer membrane antigen. Harthug S, et al. **J Clin Microbiol** 1986 Dec;24(6):947–53

Variation in the expression of pili and outer membrane protein by Neisseria meningitidis during the course of meningococcal infection. Tinsley CR, et al. **J Gen Microbiol** 1986 Sep;132 (Pt 9):2483–90

Simulation of a metabolic response in vitro between neutrophils and a meningococcal culture filtrate. Briheim G, et al. **J Infect Dis** 1987 Oct;156(4):676–80

Immunoglobulin abnormalities in the cerebrospinal fluid during bacterial meningitis. Forsberg P, et al. **J Neuroimmunol** 1986 Oct;12(4):299–310

Prevalence of complement deficiencies in children with systemic meningococcal infections. Leggiadro RJ, et al. **Pediatr Infect Dis J** 1987 Jan;6(1):75–6

C8 beta subunit deficiency in a patient with recurrent neisserial infections. Fontana L, et al. **Ric Clin Lab** 1987 Jan–Mar;17(1):19–25

Factor–specific deactivation of leucocyte chemotaxis in vivo. Briheim G, et al. **Scand J Haematol** 1986 Sep;37(3):253–8

[A patient with meningococcal meningitis and deficiency of the 7th factor of the complement system] Moolenaar W, et al. **Ned Tijdschr Geneeskd** 1987 May 16;131(20):866–8 (Eng. Abstr.) **(Dut)**

MICROBIOLOGY

Plasmid deoxyribonucleic acid in throat and cerebrospinal fluid isolates of Neisseria meningitidis. Facinelli B, et al. **Eur J Epidemiol** 1987 Jun;3(2):206–8

Sulphadiazine resistant strains of Neisseria meningitidis during an outbreak of meningococcal meningitis. Ayyagari A, et al. **Indian J Med Res** 1987 Mar;85:249–52

A rare case of meningitis due to Neisseria meningitidis group 29E. Kerr D, et al. **J Infect** 1986 Sep;13(2):147–9

Meningitis caused by a nonencapsulated strain of Neisseria meningitidis in twin infants with a C6 deficiency. Hummell DS, et al. **J Infect Dis** 1987 Apr;155(4):815–8

Association of meningococcal serotypes with the course of disease: serotypes 2a and 2b in the Netherlands, 1959–1981. Spanjaard L, et al. **J Infect Dis** 1987 Feb;155(2):277–82

Neisseria meningitidis strains with decreased susceptibility to penicillin. Van Esso D, et al. **Pediatr Infect Dis J** 1987 May;6(5):438–9

[Meningitis caused by non–maltose–fermenting Neisseria meningitides] Cherchi GB, et al. **Nuovi Ann Ig Microbiol** 1985 May–Jun;36(3):201–4 (Eng. Abstr.) **(Ita)**

[Meningococcal serogroup B infection] Pokrovskil VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 May;(5):36–40 (Eng. Abstr.) **(Rus)**

MORTALITY

Case fatality of meningococcal disease in western Norway. Halstensen A, et al. **Scand J Infect Dis** 1987;19(1):35–42

OCCURRENCE

Group B meningococcal infection in children during an epidemic in Cape Town, South Africa. Ryder CS, et al. **Ann Trop Paediatr** 1987 Mar;7(1):47–53

A bacteriological study of meningitis in Kumasi, Ghana [letter] Zadik PM. **J Infect** 1986 Nov;13(3):305–6

Surveillance of meningococcal meningitis in the Latium region, Italy 1984–1985. Albertoni F, et al. **Microbiologica** 1987 Jan;10(1):93–101

Meningitis. Puzzling cluster in rural Britain [news] Johnstone B. **Nature** 1986 Nov 13–19;324(6093):97

Increased incidence of childhood bacterial meningitis. A 25–year study in a defined population in Sweden. Salwén KM, et al. **Scand J Infect Dis** 1987;19(1):1–11

Invasive haemophilus influenzae and meningococcal infections in Finland. A climatic, epidemiologic and clinical approach. Valmari P, et al. **Scand J Infect Dis** 1987; 19(1):19–27

Meningococcal meningitis: global situation and control measures. Tikhomirov E. **World Health Stat Q** 1987; 40(2):98–109 **(Eng, Fre)**

[Application of fuzzy clustering analysis in forecasting epidemic cerebrospinal meningitis] Wang WJ, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Nov; 20(6):348–50 (Eng. Abstr.) **(Chi)**

[Meningococcal epidemic in a boarding school: a rifampicin–resistant secondary case while under chemoprophylaxis] Schubiger G, et al. **Schweiz Med Wochenschr** 1986 Aug 30;116(35):1172–5 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Chemoprophylaxis for bacterial meningitis. Herbaut AG, et al. **Acta Clin Belg** 1986;41(6):402–10 (32 ref.)

Control of meningococcal epidemics. Peltola H. **Indian J Pediatr** 1987 Mar–Apr;54(2):131–4

Control of epidemic group A meningococcal meningitis in Nepal. Cochi SL, et al. **Int J Epidemiol** 1987 Mar;16(1):91–7

Reactogenicity and immunogenicity of a quadrivalent combined meningococcal polysaccharide vaccine in children. Lepow ML, et al. **J Infect Dis** 1986 Dec; 154(6):1033–6

Public health management of meningococcal disease: indications from a one year national survey in Italy. Stroffolini T, et al. **Public Health** 1987 Jan;101(1):3–8

The efficacy of meningococcal polysaccharide vaccine in preventing group A meningococcal disease in The Gambia, West Africa [letter] Greenwood BM, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):1006–7

Prospects for the prevention of meningococcal disease: special reference to group B. Frasch CE. **Vaccine** 1987 Mar; 5(1):3–4

[Antibioprophylaxis of Meningococcus group B meningitis. Must we implicate the use of the spiramycin] Garre M, et al. **Pathol Biol (Paris)** 1987 May;35(5):624–5 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Prospective study of computed tomography in acute bacterial meningitis. Cabral DA, et al. **J Pediatr** 1987 Aug; 111(2):201–5

THERAPY

Prognosis of meningococcal septicaemia [letter] **Lancet** 1987 Aug 15;2(8555):395

MENINGITIS, PNEUMOCOCCAL

Acute epidural abscess. Peterson JA, et al. **Am J Emerg Med** 1987 Jul;5(4):287–90

[Pneumococcal meningitis in adults. A study of 141 episodes] Fernández–Viladrich P, et al. **Med Clin (Barc)** 1986 Nov 1;87(14):569–74 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Experimental bacterial meningitis in the rabbit: cerebrospinal fluid changes and its relation to leukocyte response. Lindquist L, et al. **Scand J Infect Dis** 1987;19(2):263–70

COMPLICATIONS

Pneumococcal meningitis complicated by immune complex–mediated arthritis [letter] Golden SE, et al. **Am J Dis Child** 1987 Jun;141(6):603–4

Pneumococcal infection and gurgling in the head [letter] Winton MD, et al. **Ann Intern Med** 1987 Jun;106(6):912–3

Spinal cord dysfunction with quadriplegia complicating pneumococcal meningitis. Phelan M, et al. **Aust Paediatr J** 1987 Feb;23(1):57–9

[Austrian syndrome] Ben–Yaacov D, et al. **Harefuah** 1986 Dec 1;111(11):367–8 (Eng. Abstr.) **(Heb)**

[An autopsy case of acute monocytic leukemia with pneumococcal meningitis] Miyagishima T, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2350–5 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Bacterial meningitis: diagnosis and initial antibiotic therapy. Dagbjartsson A, et al. **Pediatr Clin North Am** 1987 Feb; 34(1):219–30 (58 ref.)

Rapid etiological diagnosis of pyogenic meningitis by coagglutination, latex agglutination and immunoosmophoresis of cerebrospinal fluid, serum and urine. Habte–Gabr E, et al. **Trop Geogr Med** 1987 Apr; 39(2):137–43

Rapid laboratory diagnosis of bacterial meningitis employing coagglutination test. Samad Talukder MA, et al. **Trop Geogr Med** 1987 Apr;39(2):133–6

[Significance of meningitis as a complication of spinal anesthesia] Eisler K, et al. **Anaesthesist** 1987 Feb;36(2):76–7 (Eng. Abstr.) **(Ger)**

[Pneumococcal meningitis] Pokrovskil VI, et al. **Ter Arkh** 1987;59(5):98–103 **(Rus)**

[Factors which affect the prognosis of pneumococcal meningitis] Martínez–Martín P, et al. **Arch Neurobiol (Madr)** 1986 Nov–Dec;49(6):343–51 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Ceftriaxon in treatment of bacterial meningitis. Duniewicz M, et al. **Czech Med** 1986;9(4):191–5

Treatment of bacterial meningitis. Schaad UB. **Eur J Clin Microbiol** 1986 Oct;5(5):492–7 (30 ref.)

Nonsteroidal anti–inflammatory agents in the therapy for experimental pneumococcal meningitis. Tuomanen E, et al. **J Infect Dis** 1987 May;155(5):985–90

Penicillin–resistant pneumococcal meningitis [letter] Iyer PV, et al. **Pediatrics** 1978 Jan;61(1):157–8

[Recurring meningitis caused by Streptococcus pneumoniae during preventive penicillin therapy] Heinemeyer EA, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Sep; 262(3):370–6 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Recurrent meningitis due to spontaneous cerebrospinal fluid otorrhea. A case report. Komune S, et al. **Int J Pediatr Otorhinolaryngol** 1986 Sep;11(3):257–64

Pneumococcal sepsis and meningitis in vaccinated subjects: a review of 55 reported cases. Zarrabi MH, et al. **J Natl Med Assoc** 1987 Apr;79(4):372–6

A 32–year–old man with the acquired immunodeficiency syndrome and pneumococcal meningitis. Havlir DV, et al. **West J Med** 1987 May;146(5):618–9

[2 cases of bacterial meningitis after sclerotherapy of esophageal varices (letter)] Champigneulle B, et al. **Gastroenterol Clin Biol** 1986 Aug–Sep;10(8–9):612–3 **(Fre)**

[A case surviving overwhelming postsplenectomy infection syndrome with pneumococcal meningitis developing 26 years after splenectomy] Kosaka J, et al. **Nippon Naika Gakkai Zasshi** 1986 Oct;75(10):1449–52 **(Jpn)**

[Disseminated pneumococcal infections in patients with chronic alcoholism] Tangen JM. **Tidsskr Nor Laegeforen** 1987 Jan 10;107(1):23–4 (Eng. Abstr.) **(Nor)**

IMMUNOLOGY

Immunoglobulin abnormalities in the cerebrospinal fluid during bacterial meningitis. Forsberg P, et al. **J Neuroimmunol** 1986 Oct;12(4):299–310

Factor–specific deactivation of leucocyte chemotaxis in vivo. Briheim G, et al. **Scand J Haematol** 1986 Sep;37(3):253–8

[Neutrophilic leukocyte function in pneumococcal meningitis] Vasil'eva MS, et al. **Sov Med** 1986;(8):18–23 (Eng. Abstr.) **(Rus)**

OCCURRENCE

A bacteriological study of meningitis in Kumasi, Ghana [letter] Zadik PM. **J Infect** 1986 Nov;13(3):305–6

Increased incidence of childhood bacterial meningitis. A 25–year study in a defined population in Sweden. Salwén KM, et al. **Scand J Infect Dis** 1987;19(1):1–11

PATHOLOGY

[Pathological anatomy and problems of the pathogenesis of pneumococcal meningoencephalitis in children] Tsinzerling VA, et al. **Arkh Patol** 1987;49(4):38–45 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Prospective study of computed tomography in acute bacterial meningitis. Cabral DA, et al. **J Pediatr** 1987 Aug; 111(2):201–5

MENINGITIS, TUBERCULOUS see **TUBERCULOSIS, MENINGEAL**

MENINGITIS, VIRAL

Perinatal echovirus infection: insights from a literature review of 61 cases of serious infection and 16 outbreaks in nurseries. Modlin JF. **Rev Infect Dis** 1986 Nov–Dec; 8(6):918–26 (51 ref.)

CEREBROSPINAL FLUID

Enteroviral meningitis in January with marked cerebrospinal fluid pleocytosis. Miller SA, et al. **Pediatr Infect Dis** 1986 Nov–Dec;5(6):706–7

Penetration of sulbactam into cerebrospinal fluid of patients with viral meningitis or without meningitis. Hänninen P, et al. **Rev Infect Dis** 1986 Nov–Dec;8 Suppl 5:S609–11

[Primary meningoradiculitis of probable viral origin] Pollingher B, et al. **Rev Med Interna [Neurol Psihiatr]** 1987 Apr–Jun;32(2):137–42 (Eng. Abstr.) **(Rum)**

COMPLICATIONS

Outcome in children with enteroviral meningitis during the first year of life. Bergman I, et al. **J Pediatr** 1987 May; 110(5):705–9

Prolonged echoviral meningitis in a cancer patient with normal serum immunoglobulins. Watanabe M, et al. **Med Pediatr Oncol** 1986;14(6):342–4

[Neonatal myocardial infarct associated with maternal–fetal infection due to Coxsackie B4 virus] Garel D, et al. **Arch Fr Pediatr** 1986 Aug–Sep;43(7):495–6 (Eng. Abstr.) **(Fre)**

[Hearing damage following meningitis then and now]

Fleischer K. **HNO** 1987 May;35(5):199–202 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

The importance of the virolo . laboratory in the diagnosis and management of viral meningitis. Wildin S, et al. **Am J Dis Child** 1987 Apr;141(4):454–7

Lymphomatous meningitis appearing as Garin–Bujadoux–Bannwarth meningopolyneuritis [letter] Mayfrank L, et al. **J Neurol Neurosurg Psychiatry** 1987 Jan;50(1):106–7

The many causes of meningitis. Francke E. **Postgrad Med** 1987 Aug;82(2):175–8, 181–3, 187–8

[Endemic enterovirus meningitis in 4 newborn infants] von Mühlendahl KE, et al. **Monatsschr Kinderheilkd** 1987 Jan; 135(1):51–3 (Eng. Abstr.) **(Ger)**

[Usefulness of the NBT photocolorimetric test in the diagnosis of cerebrospinal meningitis in children] Jankowski A, et al. **Pediatr Pol** 1986 Jul;61(7):429–32 (Eng. Abstr.) **(Pol)**

[Clinical characteristics of serous meningitis due to Coxsackie B enteroviruses] Chukavina AI, et al. **Pediatriia** 1986 Nov; (11):76–7 **(Rus)**

DRUG THERAPY

[Treatment of patients with meningitis and meningoencephalitis caused by acute respiratory virus infection with intranasal administration of a dimexide–nuclease mixture] Panchenko EN. **Vrach Delo** 1987 Feb;(2):113–5 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Lymphocytic meningitis: a review of the literature. Van Cutsem E, et al. **Acta Clin Belg** 1987;42(1):28–39

Aseptic meningitis due to varicella–zoster virus: serum antibody levels and local synthesis of specific IgG, IgM, and IgA. Echevarría JM, et al. **J Infect Dis** 1987 May; 155(5):959–67

[Echoviruses type 30 as an etiologic factor in cases of cerebrospinal meningitis in Warsaw 1984] Grodzicka–Królak H, et al. **Przegl Epidemiol** 1986; 40(4):411–5 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

[Selected studies of humoral and cellular immunity in children with serous cerebrospinal meningitis and pharyngitis] Patrzalek M, et al. **Pediatr Pol** 1986 Jun; 61(6):360–4 (Eng. Abstr.) **(Pol)**

[Production of endogenous interferon in acute viral meningitis] Nikolić S, et al. **Srp Arh Celok Lek** 1986 Nov–Dec;114(11–12):1033–42 (Eng. Abstr.) **(Scc)**

METABOLISM

[Correlative clinico–experimental study of immunoglobulins G and albumin in the blood of children with subacute sclerosing panencephalitis, acute lymphoblastic leukemia and viral meningitis] Crivii SM, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1986 Jul–Sep; 35(3):227–36 (Eng. Abstr.) **(Rum)**

MICROBIOLOGY

Infection of the central nervous system of mice by standard Sendai virus, defective interfering Sendai virus and the mixture of both: comparison of virus multiplication and pathogenicity. Ruttkay–Nedecká S, et al. **Acta Virol (Praha)** 1987 Jan;31(1):78–82

[Results of virologic studies in 620 children with abacterial meningitis over a 15-year period (1971–1985)] Klatte–Meyer A, et al. **Monatsschr Kinderheilkd** 1987 Mar; 135(3):153–7 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Localized outbreak of enteroviral meningitis in adults. Kinnunen E, et al. **Acta Neurol Scand** 1987 May; 75(5):346–51

Outbreak of coxsackievirus A–14 meningitis among newborns in a maternity hospital ward. Helin I, et al. **Acta Paediatr Scand** 1987 Mar;76(2):234–8

Two concurrent epidemics of enteroviral meningitis in an obstetric neonatal unit. Reiss–Levy E, et al. **Aust NZ J Med** 1986 Jun;16(3):365–72

Bannwarth's syndrome and Lyme disease in Finland. Kovanen J, et al. **Scand J Infect Dis** 1986;18(5):421–4

[Outbreaks of viral meningitis in Cracow province 1982] Caban J, et al. **Przegl Epidemiol** 1986;40(3):256–62 (Eng. Abstr.) **(Pol)**

[Comparative analysis of the incidence of lymphocytic cerebrospinal meningitis 1982 and 1983 (data of the Infectious Disease Clinic, Pomeranian Medical Academy)] Gańczak M. **Przegl Epidemiol** 1986;40(2):181–7 (Eng. Abstr.) **(Pol)**

[Serous meningitis in Odessa in the summer–fall period of 1984] Zevakov VF, et al. **Vrach Delo** 1986 Nov;(11):107–9 (Eng. Abstr.) **(Rus)**

[Immune structure of the pediatric population in relation to the mumps virus and the morbidity of serous meningitis of mumps etiology in Sverdlovsk] Venediktova NIa, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Nov;(11):31–4 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Correlations between the indicators of EEG and REG in children with serous meningitis] Shipitsyna LM, et al. **Zh Nevropatol Psikhiatr** 1986;86(10):1491–6 (Eng. Abstr.) **(Rus)**

MENINGOCELE

COMPLICATIONS

Dandy–Walker malformation associated with occipital meningocele and cardiac anomalies: a rare complex embryologic defect. Sautreaux JL, et al. **J Child Neurol** 1986 Jan;1(1):64–6

Fibrosarcoma arising in a lumbosacral meningocoele. Smith CM, et al. **Neuropathol Appl Neurobiol** 1986 Sep–Oct; 12(5):483–9

[Anterior cystomeningocele in the mother as a cause of obstruction in labor] Gavorník E, et al. **Cesk Gynekol** 1986 Nov;51(9):744–5 **(Slo)**

DIAGNOSIS

The pattern of congenital renal anomalies associated with neural–tube defects. Hunt GM, et al. **Dev Med Child Neurol** 1987 Feb;29(1):91–5

Congenital intraspinal lipomas: clinical presentation and response to treatment. Lhowe D, et al. **J Pediatr Orthop** 1987 Sep–Oct;7(5):531–7

Iatrogenic lumbar pseudomeningocele. Rocca A, et al. **Zentralbl Neurochir** 1986;47(4):311–5

EMBRYOLOGY

[Vesico–intestinal fissure with meningocystocele—attempt at clarifying an embryologic connection] Zitzelsberger M, et al. **Langenbecks Arch Chir** 1987;371(1):29–37 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Anterior cervical meningoceles in neurofibromatosis. Kaiser MC, et al. **AJNR** 1986 Nov–Dec;7(6):1105

Massive intracranial pannus and a pseudomeningocoele in the atlanto–dental interval in rheumatoid arthritis. Stevens JM, et al. **Br J Radiol** 1987 Feb;60(710):185–8

Entrapped lumbar nerve root in pseudomeningocele after laminectomy: report of three cases. Hadani M, et al. **Neurosurgery** 1986 Sep;19(3):405–7

Anterior sacral meningocele in pregnancy. Kofinas AD, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):441–4

Traumatic meningoceles in brachial plexus injury. Komolafe F. **Rays** 1986 Jan–Apr;11(1):27–9

[Osteomeningeal breaks following orbital roof injury] Riss I, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep; 86(8–9):1095–9 **(Fre)**

FAMILIAL & GENETIC

Hereditary occurrence of anterior sacral meningocele: report of ten cases. Thomas M, et al. **Spine** 1987 May;12(4):351–4

PATHOLOGY

Spinal cord tumors presenting with neural tube defects. Gregorios JB, et al. **Neurosurgery** 1986 Dec;19(6):962–6

SURGERY

"High spinal" dysrhaphism. Case report of a complex cervical meningocele. Vogter DM, et al. **Acta Neurochir (Wien)** 1987;84(3–4):136–9

Cerebral aspergillosis and encephalomeningocele. Ouammou A, et al. **Childs Nerv Syst** 1986;2(4):216–8

Frontoethmoidal meningoencephaloceles. David DJ, et al. **Clin Plast Surg** 1987 Jan;14(1):83–9

Tethered cord syndrome in an adult: clinical and neuroradiological features. Caverni L, et al. **Ital J Neurol Sci** 1987 Apr;8(2):157–60

[Anterior sacral meningocele. Report on 2 cases treated by the abdominal approach] Ozoux JP, et al. **J Chir (Paris)** 1986 Jun–Jul;123(6–7):424–7 (Eng. Abstr.) **(Fre)**

MENINGOCOCCAL INFECTIONS

Neisseria meningitidis conjunctivitis in children. Al–Mutlaq F, et al. **Am J Ophthalmol** 1987 Sep 15;104(3):280–2

Meningococcal conjunctivitis in neonates. Kenny JF. **Clin Pediatr (Phila)** 1987 Sep;26(9):473–6

Prognostic evaluation in meningococcal disease. A retrospective study of 115 cases. Gårdlund B. **Intensive Care Med** 1986;12(4):302–7

Meningococcal disease. Hansman D. **Med J Aust** 1983 Jan 22;1(2):77–8 (13 ref.)

Primary meningococcal arthritis. Andersson S, et al. **Scand J Infect Dis** 1987;19(1):51–4

[Subacute meningococcal septicemia and temporary deficiency in complement factor C4 in lupus disease in an outbreak (letter)] Delrieu F, et al. **Ann Med Interne (Paris)** 1987;138(4):316–7 **(Fre)**

[Subacute septicemia caused by Meningococcus of serogroup Y and acquired deficiency of complement C3 fraction] Sansonetti PJ, et al. **Ann Med Interne (Paris)** 1986; 137(7):559–61 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Tenosynovitis in meningococcemia [letter] Pollet SM, et al. **Arthritis Rheum** 1987 Feb;30(2):232–3

Skin necrosis secondary to meningococcal septicaemia in an adult. Fielding GA, et al. **Aust NZ J Surg** 1987 Jan; 57(1):57–60

Acute meningococcal (group A) septicemia. Study during an epidemic with special reference to endotoxic shock. Sehgal SK, et al. **Indian Pediatr** 1986 Nov;23(11):937–41

Purpura fulminans in meningococcemia: association with acquired deficiencies of proteins C and S [letter] Powars DR, et al. **N Engl J Med** 1987 Aug 27;317(9):571–2

[Purpura fulminans associated with a C7 deficiency] Vigouroux C, et al. **Ann Fr Anesth Reanim** 1987;6(1):50–1 (Eng. Abstr.) **(Fre)**

[Myocardial incompetence in meningococcal purpura in children. Early hemodynamic study] Berthier JC, et al. **Presse Med** 1987 Mar 28;16(11):519–22 (Eng. Abstr.) **(Fre)**

[Current course and outcome of meningococcal infections in children under 1 year of age] Ivanova RI, et al. **Pediatriia** 1986 Jul;(7):41–4 **(Rus)**

CONGENITAL

Early onset neonatal sepsis due to Neisseria meningitidis W135. Embree J, et al. **Pediatr Infect Dis J** 1987 Mar; 6(3):299–300

DIAGNOSIS

Meningococcal pericarditis in the absence of meningitis. van Dorp WT, et al. **Infection** 1987 Mar–Apr;15(2):109–10

Primary meningococcal polyarthritis. Salmeron C, et al. **J Infect** 1986 Nov;13(3):281–3

Meningococcal hepatitis: a case report. Cowan GO. **J Trop Med Hyg** 1987 Apr;90(2):95–6

Prognosis of meningococcal septicaemia [letter] Sinclair JF, et al. **Lancet** 1987 Jul 4;2(8549):38

[Toxic myocardial damage in meningococcal infection] Hohnloser SH, et al. **Med Klin** 1986 Dec 12; 81(25–26):821–3 (Eng. Abstr.) **(Ger)**

[Meningococcal infection with Waterhouse–Friderichsen syndrome—a case report with conclusions for the ambulatory care physician] Müller C, et al. **Z Arztl Fortbild (Jena)** 1986;80(12):507–9 **(Ger)**

[A case of urethritis caused by meningococcus] Bednova VN, et al. **Vestn Dermatol Venerol** 1987;(2):76–7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Meningococcal infections and eradication of the carrier state [letter] Elliott TS, et al. **Lancet** 1986 Oct 4;2(8510):807

ENZYMOLOGY

Leucocyte elastase activity in meningococcal septicaemia associated coagulopathy. Canavan D, et al. **J Clin Pathol** 1986 Dec;39(12):1304–5

ETIOLOGY

Multiple myeloma presenting with primary meningococcal arthritis. Miller MI, et al. **Am J Med** 1987 Jun;82(6):1257–8

Factors influencing susceptibility to meningococcal disease during an epidemic in The Gambia, West Africa. Greenwood BM, et al. **J Infect** 1987 Mar;14(2):167–84

[Subacute meningococcal septicemia and temporary deficiency in complement factor C4 in lupus disease in an outbreak (letter)] Delrieu F, et al. **Ann Med Interne (Paris)** 1987;138(4):316–7 **(Fre)**

[Recurrent suppurative cerebrospinal meningitis and encephalitis] Jeżyna C. **Wiad Lek** 1986 May 15; 39(10):677–82 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Complement abnormalities during an epidemic of group B meningococcal infection in children. Beatty DW, et al. **Clin Exp Immunol** 1986 Jun;64(3):465–70

Combined familial C7 and C4B deficiency in an adult with meningococcal disease. Chapel HM, et al. **Clin Exp Immunol** 1987 Jan;67(1):55–8

Congenital properdin deficiency and meningococcal infection. Nielsen HE, et al. **Clin Immunol Immunopathol** 1987 Aug;44(2):134–9

Antibody response in group B meningococcal disease determined by enzyme–linked immunosorbent assay with serotype 15 outer membrane antigen. Harthug S, et al. **J Clin Microbiol** 1986 Dec;24(6):947–53

Prevalence of complement deficiencies in children with systemic meningococcal infections. Leggiadro RJ, et al. **Pediatr Infect Dis J** 1987 Jan;6(1):75–6

C8 beta subunit deficiency in a patient with recurrent neisserial infections. Fontana L, et al. **Ric Clin Lab** 1987 Jan–Mar;17(1):19–25

MICROBIOLOGY

Association of meningococcal serotypes with the course of disease: serotypes 2a and 2b in the Netherlands, 1959–1981. Spanjaard L, et al. **J Infect Dis** 1987 Feb;155(2):277–82

Neisseria meningitidis strains with decreased susceptibility to penicillin. Van Esso D, et al. **Pediatr Infect Dis J** 1987 May;6(5):438–9

MORTALITY

Severe infectious purpura in children [letter] Aldamiz-Echevarria LA, et al. **Intensive Care Med** 1986; 12(5):385

Association between tumour necrosis factor in serum and fatal outcome in patients with meningococcal disease. Waage A, et al. **Lancet** 1987 Feb 14;1(8529):355–7

Case fatality of meningococcal disease in western Norway. Halstensen A, et al. **Scand J Infect Dis** 1987;19(1):35–42

[Analysis of fatal outcomes in meningococcal infection] Bel'dii VI, et al. **Klin Med (Mosk)** 1986 Sep;64(9):101–4 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Group B meningococcal infection in children during an epidemic in Cape Town, South Africa. Ryder CS, et al. **Ann Trop Paediatr** 1987 Mar;7(1):47–53

The acute arthritis-dermatitis syndrome. The changing importance of Neisseria gonorrhoeae and Neisseria meningitidis. Rompalo AM, et al. **Arch Intern Med** 1987 Feb;147(2):281–3

Epidemiology of meningococcal infection [editorial] Jones DM. **Br J Hosp Med** 1987 May;37(5):383

Communicable disease report. January to March 1986. PHLS Communicable Disease Surveillance Centre and the Communicable Disease (Scotland) Unit. **Community Med** 1986 Nov;8(4):351–5

Meningococcal infections in the German Democratic Republic 1971–1984. Grahlow WD, et al. **Infection** 1986 Nov-Dec;14(6):286–8

Meningococcal disease in Louisiana 1978–1985. Vaughn JB, et al. **J Community Health** 1987 Summer-Fall;12(2–3):73–91

Meningococcal disease in south-west of England [letter] **Lancet** 1986 Oct 4;2(8510):806–7

Meningococcal serotypes and serogroup B disease in north-west Europe [letter] Fallon RJ. **Lancet** 1986 Oct 4; 2(8510):807–8

Meningococcal infection in Lanarkshire [letter] Mathew BM, et al. **Lancet** 1986 Oct 18;2(8512):923–4

Meningococcal disease among travelers returning from Saudi Arabia. **MMWR** 1987 Aug 28;36(33):559

Dietary iron supply in meningococcal disease patients and controls. Solvoll K, et al. **NIPH Ann** 1986 Dec;9(2):43–50

Invasive haemophilus influenzae and meningococcal infections in Finland. A climatic, epidemiologic and clinical approach. Valmari P, et al. **Scand J Infect Dis** 1987; 19(1):19–27

[Meningococcal epidemic in a boarding school: a rifampicin-resistant secondary case while under chemoprophylaxis] Schubiger G, et al. **Schweiz Med Wochenschr** 1986 Aug 30;116(35):1172–5 (Eng. Abstr.) **(Ger)**

[Meningococcal infection in children in Amur Province] Fedianin IuP, et al. **Pediatriia** 1987;(3):102–3 **(Rus)**

[Epidemiological surveillance of meningococcal infection and the prediction of the development of an epidemic process] Deviatkina NP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Nov;(11):13–6 (Eng. Abstr.) **(Rus)**

[Current aspects of the short-term prognosis of meningococcal infection morbidity for the sake of epidemiological surveillance] Iafaev RKh, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Nov;(11):16–20 (Eng. Abstr.) **(Rus)**

[Epidemiological characteristics of meningococcal infection in a number of territories of the RSFSR (1969–1984)] Mukhina LP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jun;(6):29–33 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Control of meningococcal epidemics. Peltola H. **Indian J Pediatr** 1987 Mar-Apr;54(2):131–4

Simultaneous administration of vaccines for Haemophilus influenzae type b, pneumococci, and meningococci. Ambrosino DM, et al. **J Infect Dis** 1986 Nov;154(5):893–6

Familial properdin deficiency and fatal meningococcemia. Correction of the bactericidal defect by vaccination. Densen P, et al. **N Engl J Med** 1987 Apr 9;316(15):922–6

Control of meningococcal infection [editorial] **Public Health** 1986 Sep;100(5):261–2

Prospects for the prevention of meningococcal disease: special reference to group B. Frasch CE. **Vaccine** 1987 Mar; 5(1):3–4

THERAPY

Early prognostic indicators in acute meningococcemia: implications for management. Bausher JC, et al. **Pediatr Emerg Care** 1986 Sep;2(3):176–9

[Current therapy of meningococcal infection in childhood] Sutter MU. **Helv Paediatr Acta** 1985 Apr;40(1):9–16 (Eng. Abstr.) **(Ger)**

[Hemosorption as a method of treating endotoxicosis in patients with septic shock of meningococcal etiology] Radzivil GG, et al. **Anesteziol Reanimatol** 1987 Mar-Apr; (2):46–50 (Eng. Abstr.) **(Rus)**

[Role of hemosorption in the therapy of infectious toxic shock and the multiple-organ failure syndrome in a fulminating form of meningococcemia] Pokrovskiĭ VI, et al. **Ter Arkh** 1986;58(9):117–22 (Eng. Abstr.) **(Rus)**

[Emergency prehospital care for patients with a meningococcal infection] Shalygin VA, et al. **Vrach Delo** 1987 Mar;(3):111–3 (Eng. Abstr.) **(Rus)**

MENINGOCOCCUS see **NEISSERIA MENINGITIDIS**

MENINGOENCEPHALITIS

Perinatal echovirus infection: insights from a literature review of 61 cases of serious infection and 16 outbreaks in nurseries. Modlin JF. **Rev Infect Dis** 1986 Nov-Dec; 8(6):918–26 (51 ref.)

CEREBROSPINAL FLUID

Concentration of tumour markers CEA, AFP, alpha and beta subunits of hCG in cerebrospinal fluid in children with inflammatory diseases of the central nervous system. Domaniewski J, et al. **Acta Paediatr Hung** 1986; 27(2):115–21

Low CSF glucose and high protein levels in neonatal herpes simplex meningoencephalitis [letter] White CB, et al. **J Pediatr** 1986 Nov;109(5):911–3

Detection of Toxoplasma gondii in the spinal fluid of a bone marrow transplant recipient. Fisher MA, et al. **Pediatr Infect Dis J** 1987 Jan;6(1):81–3

Mumps and hypoglycorrhachia [letter] Oetgen WJ, et al. **Pediatrics** 1978 Jan;61(1):158

[Isolation of viruses in the cerebrospinal fluid in a case of acute varicella meningo-encephalitis] Auzanneau G, et al. **Presse Med** 1987 Aug 29–Sep 5;16(28):1363–4 (Eng. Abstr.) **(Fre)**

[Hypoglycorrhachia in varicella zoster meningoencephalitis (letter)] Pujadas R, et al. **Med Clin (Barc)** 1987 Mar 14; 88(10):432–3 **(Spa)**

COMPLICATIONS

Multi-system coxsackievirus B-6 infection with findings suggestive of diabetes mellitus. Nigro G, et al. **Eur J Pediatr** 1986 Dec;145(6):557–9

Mumps meningomyelitis with hemiparesis. Kalra OP, et al. **J Assoc Physicians India** 1986 Aug;34(8):571–2

[Transient hydrocephalus during mumps meningo-encephalitis] Weizer S, et al. **Harefuah** 1987 Mar 15;112(6):279–80 (Eng. Abstr.) **(Heb)**

[Viral meningoencephalitis and Klüver-Bucy syndrome. Report of 2 cases] Montanha EV, et al. **Arq Neuropsiquiatr** 1986 Dec;44(4):373–82 (Eng. Abstr.) **(Por)**

[Current course and outcome of meningococcal infections in children under 1 year of age] Ivanova RI, et al. **Pediatriia** 1986 Jul;(7):41–4 **(Rus)**

[The convulsive syndrome in meningoencephalitis] Gebesh VV, et al. **Vrach Delo** 1987 Jun;(6):110–3 (Eng. Abstr.) **(Rus)**

[Acute meningoencephalitis caused by type 2 poliovirus during hepatitis A] Palmović D, et al. **Lijec Vjesn** 1986 Oct;108(10):428–30 (Eng. Abstr.) **(Scr)**

[Meningoencephalitis and ocular herpes zoster (letter)] **Med Clin (Barc)** 1987 Mar 21;88(11):476–7 **(Spa)**

DIAGNOSIS

Fatal Coxsackie B meningoencephalitis diagnosed by serology and in-situ nucleic acid hybridisation [letter] Hallam NF, et al. **Lancet** 1986 Nov 22;2(8517):1213–4

Magnetic resonance imaging of experimental mumps meningoencephalitis in suckling hamsters. Narayana PA, et al. **Magn Reson Med** 1987 Jun;4(6):597–601

Eosinophilic meningoencephalitis with permanent sequelae. Prociv P, et al. **Med J Aust** 1987 Sep 21;147(6):294–5

Primary amebic meningoencephalitis. Kline MW, et al. **Pediatr Emerg Care** 1986 Sep;2(3):173–5

Listeria rhombencephalitis mimicking tuberculous meningitis. Bach MC, et al. **Rev Infect Dis** 1987 Jan-Feb;9(1):130–3

[Residual signs of earlier neonatal infection with herpes simplex-2 virus] Nikolov P, et al. **Akush Ginekol (Sofiia)** 1986;25(4):42–4 (Eng. Abstr.) **(Bul)**

[Clinico-morphological characteristics of acute meningoencephalitis occurring with disordered mental activity] Barshtein IuA, et al. **Vrach Delo** 1986 Sep; (9):108–11 (Eng. Abstr.) **(Rus)**

[Clinical picture and treatment of staphylococcal meningoencephalitis] Gebesh VV, et al. **Vrach Delo** 1986 Oct;(10):13–6 **(Rus)**

[A rare case of the meningoencephalitis form of the Loeffler syndrome] Ambalov IuM, et al. **Zh Nevropatol Psikhiatr** 1987;87(2):190–2 (Eng. Abstr.) **(Rus)**

[Clinical observations in tick-borne meningoencephalitis] Stantić-Pavlinić M, et al. **Vojnosanit Pregl** 1986 Sep-Oct; 43(5):340–2 (Eng. Abstr.) **(Scr)**

DRUG THERAPY

Lyme meningoencephalitis: report of a severe, penicillin-resistant case. Diringer MN, et al. **Arthritis Rheum** 1987 Jun;30(6):705–8

Curative properties of muramyl dipeptide in experimental Naegleria meningoencephalitis. Ferrante A, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):323–6

[Treatment of patients with meningitis and meningoencephalitis caused by acute respiratory virus infection with intranasal administration of a dimexide-nuclease mixture] Panchenko EN. **Vrach Delo** 1987 Feb;(2):113–5 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Trichinosis meningoencephalitis: a case report, ELISA serodiagnosis and treatment. Boctor FN, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):727–32

Direct invasion of the central nervous system by Mycoplasma pneumoniae: a report of two cases. Abramovitz P, et al. **J Infect Dis** 1987 Mar;155(3):482–7

Acanthamoeba meningoencephalitis in a patient with AIDS. Wiley CA, et al. **J Infect Dis** 1987 Jan;155(1):130–3

Hepatitis A and meningo-encephalitis. Hodges JR. **J Neurol** 1987 Jun;234(5):364

Neurological complications associated with Mycoplasma pneumoniae infection in children. Carstensen H, et al. **Neuropediatrics** 1987 Feb;18(1):57–8

Acute posterior multifocal placoid pigment epitheliopathy and late-onset meningo-encephalitis. Kersten DH, et al. **Ophthalmology** 1987 Apr;94(4):393–6

The amebic meningoencephalitides. Simon MW, et al. **Pediatr Infect Dis** 1986 Sep-Oct;5(5):562–9 (101 ref.)

Naegleria and acanthamoeba. Free-living amebas pathogenic for man. Sotelo-Avila C. **Perspect Pediatr Pathol** 1987; 10:51–85 (181 ref.)

Chronic enteroviral meningoencephalitis in agammaglobulinemic patients. McKinney RE Jr, et al. **Rev Infect Dis** 1987 Mar-Apr;9(2):334–56 (78 ref.)

Mumps meningo-encephalitis. Donald PR, et al. **S Afr Med J** 1987 Mar 7;71(5):283–5

Recurrent meningoencephalitis with recovery from Behçet's disease. Davis LE, et al. **West J Med** 1986 Aug; 145(2):238–9

[Isolated meningoencephalitis in Lyme disease [letter]] Fénelon G, et al. **Ann Med Interne (Paris)** 1987; 138(2):149–50 **(Fre)**

[Candida albicans meningoencephalitis in a kidney-transplant patient (letter)] Paysant B, et al. **Presse Med** 1987 May 30;16(20):1008 **(Fre)**

[Meningoencephalitis caused by Brucella abortus infection] Pickert A, et al. **Dtsch Med Wochenschr** 1987 Apr 24; 112(17):702–4 **(Ger)**

[Meningoencephalitis due to Brucella abortus infection] Weissenborn K, et al. **Dtsch Med Wochenschr** 1987 Jan 9;112(2):57–9 (Eng. Abstr.) **(Ger)**

[Isolated cerebral mucormycosis in leukemia] Bachor R, et al. **Mykosen** 1986 Nov;29(11):497–501 (Eng. Abstr.) **(Ger)**

[Tick-borne borreliosis. A case of chronic meningoencephalitis caused by Borrelia burgdorferi] Bogsrud TV, et al. **Tidsskr Nor Laegeforen** 1987 Jan 10; 107(1):25–7, 49 (Eng. Abstr.) **(Nor)**

[Role of Mycoplasma pneumoniae in meningitis and meningoencephalitis] Kononenko VV, et al. **Vrach Delo** 1987 Mar;(3):108–11 (Eng. Abstr.) **(Rus)**

[Meningoencephalitis and paralysis of the 3d pair of cranial nerves as a complication of herpes zoster in an immunocompetent patient (letter)] Dominguez A, et al. **Med Clin (Barc)** 1986 Oct 18;87(12):522 **(Spa)**

IMMUNOLOGY

Humoral immune response in dogs with old dog encephalitis and chronic distemper meningo-encephalitis. Rima BK, et al. **J Gen Virol** 1987 Jun;68 (Pt 6):1723–35

Cryptococcal meningoencephalitis: intrathecal immunological response. La Mantia L, et al. **J Neurol** 1986 Nov;233(6):362–6

[Immunoglobulins in the cerebrospinal fluid and serum of patients with acute inflammations of the meninges and brain] Dulíček K, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1984;27(4):289–99 (Eng. Abstr.) **(Cze)**

[Differentiation of cerebrospinal immunoglobulins in mumps meningoencephalitis] Statz A, et al. **Monatsschr Kinderheilkd** 1987 May;135(5):265–8 (Eng. Abstr.) **(Ger)**

[Circulating immune complexes in the blood serum and cerebrospinal fluid of meningitis and meningoencephalitis patients] Shuliak VI, et al. **Vrach Delo** 1986 Oct;(10):16–9 (Eng. Abstr.) **(Rus)**

[Meningoencephalitis caused by the St. Louis encephalitis virus] Durlach RA, et al. **Medicina (B Aires)** 1985; 45(4):467–8 (Eng. Abstr.) **(Spa)**

METABOLISM

Intrathecal production of neopterin in aseptic meningo-encephalitis and multiple sclerosis. Fredrikson S, et al. **Clin Exp Immunol** 1987 Jan;67(1):76–81

MICROBIOLOGY

[A case of meningoencephalitis caused by group F Streptococcus anginosus] Matsubayashi T, et al. **Kansenshogaku Zasshi** 1987 Mar;61(3):368–72 (Eng. Abstr.) **(Jpn)**

MORTALITY

[Analysis of the causes of mortality in tuberculous meningoencephalitis] Prilmak AA, et al. **Probl Tuberk** 1986; (9):12–5 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Two new strains of Naegleria fowleri isolated from a case of primary amoebic meningoencephalitis. Kadlec V. **Folia Parasitol (Praha)** 1987;34(1):96

PATHOLOGY

Autopsy findings of Serratia meningoencephalitis in infants. Ariel I, et al. **Pediatr Pathol** 1986;6(2-3):351-8

[Acute diffuse lymphocytic meningoencephalitis: a clinico-pathological report of a case] Pittella JE, et al. **Arq Neuropsiquiatr** 1986 Sep;44(3):280-8 (Eng. Abstr.) **(Por)**

[Pathological anatomy and problems of the pathogenesis of pneumococcal meningoencephalitis in children] Tsinzerling VA, et al. **Arkh Patol** 1987;49(4):38-45 (Eng. Abstr.) **(Rus)**

[Progressive cysticercoid meningoencephalitis] Umanskii KG, et al. **Med Parazitol (Mosk)** 1986 Jul-Aug;(4):81-3 **(Rus)**

RADIOGRAPHY

[Meningoencephalitis in children and computerized axial tomography. Clinico-prognostic evaluation] Giambartolomei G, et al. **Pediatr Med Chir** 1986 May-Jun; 8(3):393-403 (Eng. Abstr.) **(Ita)**

THERAPY

Efficacy of immune therapy in early experimental Naegleria fowleri meningitis. Lallinger GJ, et al. **Infect Immun** 1987 May;55(5):1289-93

TRANSMISSION

Vector competence experiments with Rocio virus and three mosquito species from the epidemic zone in Brazil. Mitchell CJ, et al. **Rev Saude Publica** 1986 Jun;20(3):171-7

VETERINARY

Cerebral cuterebrosis in a dog. Sartin EA, et al. **J Am Vet Med Assoc** 1986 Nov 15;189(10):1338-9

Listeriosis. Rebhun WC. **Vet Clin North Am [Food Anim Pract]** 1987 Mar;3(1):75-83

MENINGOMYELOCELE

CEREBROSPINAL FLUID

Maldevelopment of spinal cord--substance P in spina bifida. Tam PK, et al. **Z Kinderchir** 1986 Aug;41(4):206-8

COMPLICATIONS

Evaluation of the urinary tract in children with myelomeningocele. Petersen T, et al. **Acta Neurol Scand** 1987 Jan;75(1):46-51

Management of urinary incontinence in children with myelomeningocele. Petersen T. **Acta Neurol Scand** 1987 Jan;75(1):52-5

MR imaging of syringohydromyelia and Chiari malformations in myelomeningocele patients with scoliosis. Samuelsson L, et al. **AJNR** 1987 May-Jun;8(3):539-46

The results of transfer of the tibialis anterior to the heel in patients who have a myelomeningocele. Bliss DG, et al. **J Bone Joint Surg [Am]** 1986 Oct;68(8):1258-64

Anterior and posterior instrumentation and fusion of thoracolumbar scoliosis due to myelomeningocele. McMaster MJ. **J Bone Joint Surg [Br]** 1987 Jan;69(1):20-5

Hemitransplantation of the tendo calcaneus in children with spinal neurological disorders. Ogilvie C, et al. **J Bone Joint Surg [Br]** 1986 Nov;68(5):767-9

Association of bilateral internuclear ophthalmoplegia and myelomeningocele with Arnold-Chiari malformation, type II. Woody RC, et al. **J Clin Neuro Ophthalmol** 1985 Jun; 5(2):124-6

Dermoid tumors occurring at the site of previous myelomeningocele repair. Scott RM, et al. **J Neurosurg** 1986 Dec;65(6):779-83

Long-term renal risk factors in children with meningomyelocele. Brem AS, et al. **J Pediatr** 1987 Jan; 110(1):51-5

Management of Chiari II complications in infants with myelomeningocele. Charney EB, et al. **J Pediatr** 1987 Sep; 111(3):364-71

Talectomy in the treatment of resistant talipes equinovarus deformity in myelomeningocele and arthrogryposis. Dias LS, et al. **J Pediatr Orthop** 1987 Jan-Feb;7(1):39-41

Efficacy of surgical management for scoliosis in myelomeningocele: correction of deformity and alteration of functional status. Mazur J, et al. **J Pediatr Orthop** 1986 Sep-Oct;6(5):568-75

Lumbar hernia in a case of posterior meningomyelocele. Lowell DG, et al. **J Pediatr Surg** 1986 Oct;21(10):913-4

The abnormal renal axis in children with spina bifida and gibbus deformity--the pseudohorseshoe kidney. Fernbach SK, et al. **J Urol** 1986 Dec;136(6):1258-60

Management of myelomeningocele kyphosis in the older child by kyphectomy and segmental spinal instrumentation. Heydemann JS, et al. **Spine** 1987 Jan-Feb;12(1):37-41

Urinary ascites in female neonate with myelodysplasia. Redman JF, et al. **Urology** 1987 Jun;29(6):616-7

[Continent transureteral vesicostomy] Viville C. **Ann Urol (Paris)** 1987;21(2):127-9 (Eng. Abstr.) **(Fre)**

[A case of spina bifida with vesicoureteral reflux (VUR) successfully treated by early management] Yamamoto M, et al. **Hinyokika Kiyo** 1987 Feb;33(2):237-41 (Eng. Abstr.) **(Jpn)**

[Myelomeningocele in children and adolescents. Clean intermittent catheterization] Sommer FF, et al. **Tidsskr Nor Laegeforen** 1986 Aug 30;106(24):1957-9 (Eng. Abstr.) **(Nor)**

[Syndrome of excessive growth of the cutaneous integument in spinal cord hernias] Neretin VIa, et al. **Zh Nevropatol Psikhiatr** 1986;86(11):1652-4 (Eng. Abstr.) **(Rus)**

[Treatment of neurogenic bladder secondary to myelomeningocele based on the urodynamic status with intermittent catheterization associated with drugs. Preliminary results] Castro-Gago M, et al. **An Esp Pediatr** 1987 Feb;26(2):103-6 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Lipomeningomyelocystocele. Vade A, et al. **AJNR** 1987 Mar-Apr;8(2):375-7

Positive amniotic fluid acetylcholinesterase: distinguishing between open spina bifida and ventral wall defects. Burton BK. **Am J Obstet Gynecol** 1986 Nov;155(5):984-6

Sacral lipomas: the need for neurologic and radiologic evaluation [letter] Hebert AA, et al. **Arch Dermatol** 1987 Jun;123(6):711-2

Growth of trunk and legs of children with myelomeningocele. Duval-Beaupère G, et al. **Dev Med Child Neurol** 1987 Apr;29(2):225-31

The pattern of congenital renal anomalies associated with neural-tube defects. Hunt GM, et al. **Dev Med Child Neurol** 1987 Feb;29(1):91-5

Split notochord syndrome presenting with meningomyelocoele and dorsal enteric fistula. Gupta DK, et al. **J Pediatr Surg** 1987 Apr;22(4):382-3

Maternal serum alpha-fetoprotein in presence of both neural tube defects and chromosome anomalies [letter] Williamson RA, et al. **Lancet** 1986 Sep 27;2(8509):757

Screening for congenital dislocation of the hip, scoliosis, and other abnormalities affecting the musculoskeletal system. Asher MA. **Pediatr Clin North Am** 1986 Dec;33(6):1335-53

Evaluation of MR in spinal dysraphism with lipoma: comparison with metrizamide computed tomography. Wippold FJ, et al. **Pediatr Radiol** 1987;17(3):184-8

Meningomyelocele: a new or a vanishing disease? Shurtleff DB. **Z Kinderchir** 1986 Dec;41 Suppl 1:5-9

FAMILIAL & GENETIC

[Clinico-genetic analysis of anencephaly and spinal cord hernia and their prevention] Golovachev GD, et al. **Vestn Akad Med Nauk SSSR** 1987;(1):40-6 (Eng. Abstr.) **(Rus)**

MORTALITY

[Analysis of mortality in myelomeningocele] Ruiz de Temiño Bravo M, et al. **An Esp Pediatr** 1987 Apr;26(4):271-3 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Spinal cord tumors presenting with neural tube defects. Gregorios JB, et al. **Neurosurgery** 1986 Dec;19(6):962-6

PHYSIOPATHOLOGY

Physical activity capacity in children with myelomeningocele. Agre JC, et al. **Arch Phys Med Rehabil** 1987 Jun;68(6):372-7

Assessment of muscle strength in children with meningomyelocele: accuracy and stability of measurements over time. McDonald CM, et al. **Arch Phys Med Rehabil** 1986 Dec;67(12):855-61

Penile erections in myelomeningocele patients. Diamond DA, et al. **Br J Urol** 1986 Aug;58(4):434-5

Upper-limb function of children with myelomeningocele. Turner A. **Dev Med Child Neurol** 1986 Dec;28(6):790-8

Abnormal ventilatory patterns during sleep in infants with myelomeningocele. Ward SL, et al. **J Pediatr** 1986 Oct; 109(4):631-4

Significance of the strength of the quadriceps muscles in children with myelomeningocele. Schopler SA, et al. **J Pediatr Orthop** 1987 Sep-Oct;7(5):507-12

The changing neurourologic lesion in myelodysplasia. Spindel MR, et al. **JAMA** 1987 Sep 25;258(12):1630-3

Absent hypoxic and hypercapnic arousal responses in children with myelomeningocele and apnea [letter] James HE. **Pediatrics** 1987 Feb;79(2):313

Progressive neurological deficit in children with spina bifida aperta. Begeer JH, et al. **Z Kinderchir** 1986 Dec;41 Suppl 1:13-5

[Effects of neurogenic disorders of bladder emptying on ureteral function--results of ureteral pressure measurements in children with myelomeningocele] Pfestorf B. **Z Kinderchir** 1986 Aug;41(4):209-13 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

[Preventive treatment of neurodysraphias] Lambotte C, et al. **J Genet Hum** 1986 Aug;34(3-4):354-60 **(Fre)**

RADIOGRAPHY

Round anterior margin of lumbar vertebral bodies in children with a meningomyelocele. Kramer PP, et al. **Pediatr Radiol** 1987;17(3):263

REHABILITATION

Ambulation of children with myelomeningocele: parapodium versus parapodium with Orlau swivel modification. Lough LK, et al. **Dev Med Child Neurol** 1986 Aug;28(4):489-97

Current concepts: care and habilitation of the child with myelomeningocele--a multidisciplinary approach. I. Neurologic complications of myelomeningocele. Hanson RR, et al. **J Miss State Med Assoc** 1987 Jun;28(6):145-50

[Rehabilitation of the spina bifida child] Günther E, et al. **Beitr Orthop Traumatol** 1987 Apr;34(4):165-72 (Eng. Abstr.) **(Ger)**

[Complex rehabilitation of children with meningomyelocele. II. Results of therapeutic management] Mirkiewicz J, et al. **Folia Med Cracov** 1986;27(3-4):223-38 (Eng. Abstr.) **(Pol)**

[A program of complex rehabilitation of children with meningomyelocele. I. Presentation of the program] Mirkiewicz J, et al. **Folia Med Cracov** 1986;27(3-4):207-21 (Eng. Abstr.) **(Pol)**

SURGERY

Soft-tissue repair of myelomeningocele defects using bilateral latissimus dorsi and trapezius musculocutaneous flaps. McCraw JB, et al. **Ann Plast Surg** 1987 Feb;18(2):147-55

Treatment of myelomeningocele: arguments against selection. McLone DG. **Clin Neurosurg** 1986;33:359-70

Myelomeningocele--the question of selection. Sutton LN, et al. **Clin Neurosurg** 1986;33:371-81

Aspects of the surgical management of myelomeningocele: a review. Guthkelch AN. **Dev Med Child Neurol** 1986 Aug; 28(4):525-32 (60 ref.)

Hyperbaric oxygen therapy in a newborn infant: a case presentation. Dillon BT, et al. **J Arkansas Med Soc** 1987 Jan;83(8):325-6

Early repair of myelomeningocele and simultaneous insertion of ventriculoperitoneal shunt: technique and results. Hubballah MY, et al. **Neurosurgery** 1987 Jan;20(1):21-3

Shunting with myelomeningocele repair [letter] Scott RM. **Neurosurgery** 1987 Apr;20(4):668

One-stage meningomyelocele closure and ventriculoperitoneal shunt placement. Bell WO, et al. **Surg Neurol** 1987 Mar;27(3):233-6

THERAPY

Status of a group of spina bifida children not managed by early surgery. Guiney EJ, et al. **Z Kinderchir** 1986 Dec; 41 Suppl 1:16-7

MENISCI, TIBIAL

The function, pathology, and surgery of the meniscus. Noble J, et al. **Clin Orthop** 1986 Sep;(210):62-8

Discoid meniscus presenting as juvenile rheumatoid arthritis. Rush PJ, et al. **J Rheumatol** 1986 Dec;13(6):1173-7

[Arthroscopy of degenerative lesions of the internal meniscus. Classification and treatment] Dorfmann H, et al. **Rev Rhum Mal Osteoartic** 1987 Apr;54(4):303-10 (Eng. Abstr.) **(Fre)**

ANALYSIS

Distribution of glycosaminoglycans and the nonreducible collagen crosslink, pyridinoline in porcine menisci. Nakano T, et al. **Can J Vet Res** 1986 Oct;50(4):532-6

Localization of glycosaminoglycans in human and canine menisci and their attachments. Adams ME, et al. **Connect Tissue Res** 1987;16(3):269-79

ANATOMY & HISTOLOGY

The structure and intracellular lipid content of semilunar cartilages in rabbits and guinea-pigs. Guerra-Seijas MJ, et al. **Z Mikrosk Anat Forsch** 1986;100(5):729-38

ENZYMOLOGY

Increased collagenase activity in human rheumatoid meniscus. Lindy S, et al. **Scand J Rheumatol** 1986; 15(3):237-42

INJURIES

Sonography in the detection of meniscal injuries of the knee: evaluation in cadavers. Selby B, et al. **AJR** 1987 Sep; 149(3):549-53

Localized pigmented villonodular synovitis of the knee mimicking meniscal injury. Flandry FC, et al. **Arthroscopy** 1986;2(4):217-21

Vascularity for healing of meniscus repairs. Henning CE, et al. **Arthroscopy** 1987;3(1):13-8

Long-term assessment of negative arthroscopies. Mariani PP, et al. **Arthroscopy** 1987;3(1):53-5

Suture and immobilization of acute peripheral injuries of the meniscus in rabbits. Zhang ZN, et al. **Arthroscopy** 1986; 2(4):227-33

Treatment of the anterior cruciate ligament-absent knee with associated meniscal tears. Instrumented testing and clinical evaluation of two patient groups. Ferkel RD, et al.

Clin Orthop 1987 Sep;(222):239–48

A new test (the knee jerk test) for the diagnosis of torn meniscus [letter] Mehta MP. **Clin Orthop** 1987 Jul;(220):310

The arthrogram in diagnosis of meniscal lesions in the fourth decade of life. Roper BA, et al. **Clin Orthop** 1986 Sep; (210):213–5

Diagnosis of meniscal tears using high-resolution computed tomography. Correlation with arthroscopy. Manco LG, et al. **J Bone Joint Surg [Am]** 1987 Apr;69(4):498–502

A double blind trial of NSAID versus placebo during rehabilitation. Arvidsson I, et al. **Orthopedics** 1987 Jul; 10(7):1007–14

Meniscal tears of the knee: accuracy of MR imaging. Crues JV 3d, et al. **Radiology** 1987 Aug;164(2):445–8

Double-contrast arthrography in the study of knee meniscal lesions. Lupi L, et al. **Rays** 1986 Sep–Dec;11(3):39–43

[Problems in the clinical application of genicular arthroscopy] Xu JS, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Sep; 24(9):542–3, 573–4 (Eng. Abstr.) **(Chi)**

[Correlation between clinical, arthrographic and arthroscopic findings in meniscal lesions] Eichenauer M, et al. **Chirurg** 1986 Nov;57(11):719–22 (Eng. Abstr.) **(Ger)**

[Arthroscopic meniscus resection and open meniscectomy—a comparative study] Löhnert J, et al. **Chirurg** 1986 Nov; 57(11):723–7 (Eng. Abstr.) **(Ger)**

[Meniscus sonography—alternative to invasive meniscus diagnosis?] Sohn C, et al. **Dtsch Med Wochenschr** 1987 Apr 10;112(15):581–4 (Eng. Abstr.) **(Ger)**

[Meniscus sonography. Value and accuracy compared to arthrography and arthroscopy or surgery] Sohn C, et al. **Fortschr Med** 1987 Feb 20;105(5):81–5 (Eng. Abstr.) **(Ger)**

[Meniscus imaging in MR tomography using surface coils. Anatomy, areas of degeneration, laceration formation] Koepchen J, et al. **ROFO** 1987 Jun;146(6):617–22 (Eng. Abstr.) **(Ger)**

[Value of high-resolution CT and nuclear magnetic resonance tomography compared to the standard procedures in the diagnosis of meniscal lesions] Schuler M, et al. **ROFO** 1987 Apr;146(4):391–7 (Eng. Abstr.) **(Ger)**

[Sonography of the meniscus and its lesions] Sohn C, et al. **Ultraschall Med** 1987 Feb;8(1):32–6 (Eng. Abstr.) **(Ger)**

[Arthrography and arthroscopy in the diagnosis of meniscus injuries. A prospective blind study comparing their accuracy and economy] Brühlmann-Keller H, et al. **Unfallchirurg** 1986 Dec;89(12):547–50 (Eng. Abstr.) **(Ger)**

[Meniscus refixation] Hackenbruch W, et al. **Unfallchirurg** 1987 Feb;90(2):73–8 (Eng. Abstr.) **(Ger)**

[Value, technic and clinical use of meniscus sonography] Sohn C, et al. **Unfallchirurg** 1987 Apr;90(4):173–9 (Eng. Abstr.) **(Ger)**

[Expert evaluation of meniscus damage] Ludolph E, et al. **Unfallchirurgie** 1986 Aug;12(4):215–9 (Eng. Abstr.) **(Ger)**

[Value of double-contrast arthrography in the diagnosis of meniscus lesions] Wetzel WD, et al. **Z Arztl Fortbild (Jena)** 1987;81(6):257–60 **(Ger)**

[Arthroscopic meniscus surgery] Kündiger R, et al. **Zentralbl Chir** 1986;111(24):1497–502 (Eng. Abstr.) **(Ger)**

[Indications and technic of arthroscopic meniscus refixation] Wuschech H, et al. **Zentralbl Chir** 1986;111(17):1056–63 (Eng. Abstr.) **(Ger)**

[Results of Ender nailing in pertrochanteric fractures (analysis of 1462 cases)] Kaplonyi G, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1987; 30(3):171–8 (Eng. Abstr.) **(Hun)**

[Elimination of the knee joint blockade in meniscal injuries] Mitel'man NIu. **Ortop Travmatol Protez** 1987 Apr;(4):57–8 **(Rus)**

PATHOLOGY

The effect of technique on histology of arthroscopic partial meniscectomy with electrosurgery. Miller GK, et al. **Arthroscopy** 1987;3(1):36–44

[Pathology of the meniscus of the knee in the child. Symposium. 60th annual meeting of the Société Française de Chirurgie Orthopédique et Traumatologique. Paris, November 1985] **Rev Chir Orthop** 1986;72(5):323–54 **(Fre)**

[Morphology of arthroscopically obtained meniscus samples. Insurance medicine aspects] Fisseler A, et al. **Pathologe** 1986 Nov;7(6):305–9 **(Ger)**

PHYSIOLOGY

Regrowth of the rabbit meniscus after lateral and medial meniscectomies. Caputo CB, et al. **Int J Tissue React** 1987; 9(3):233–40

RADIOGRAPHY

Computed tomography of meniscal cysts of the knee joint. Passariello R, et al. **Eur J Radiol** 1987 May;7(2):83–6

High resolution computed tomography of knee menisci. Steinbach LS, et al. **Skeletal Radiol** 1987;16(1):11–6

SURGERY

A study of the biological behavior of the meniscus as a transplant in the medial compartment of a dog's knee. Canham W, et al. **Am J Sports Med** 1986 Sep–Oct; 14(5):376–9

Evaluation of residual instability after arthroscopic meniscectomy in anterior cruciate deficient knees. Shields CL Jr, et al. **Am J Sports Med** 1987 Mar–Apr;15(2):129–31

Meniscus repair: results of an arthroscopic technique. Barber FA. **Arthroscopy** 1987;3(1):25–30

Failed arthroscopic meniscectomy: prognostic factors for repeat arthroscopic examination. Friedman MJ, et al. **Arthroscopy** 1987;3(2):99–105

Arthroscopic meniscectomy in the anterior cruciate ligament-deficient knee. Hanley ST, et al. **Arthroscopy** 1987;3(1):59–65

Isokinetic evaluation of the knee after arthroscopic meniscectomy: comparison between anterolateral and central approaches. Mariani PP, et al. **Arthroscopy** 1987; 3(2):123–6

Results of arthroscopic meniscectomy. Aglietti P, et al. **Ital J Orthop Traumatol** 1986 Sep;12(3):315–25

Unicompartmental Oxford Meniscal knee arthroplasty. Goodfellow JW, et al. **J Arthroplasty** 1987;2(1):1–9

Injury to the popliteal artery as a complication of arthroscopic surgery. A report of two cases. Jeffries JT, et al. **J Bone Joint Surg [Am]** 1987 Jun;69(5):783–5

Long-term follow-up of meniscectomy in athletes. A prospective longitudinal study. Jørgensen U, et al. **J Bone Joint Surg [Br]** 1987 Jan;69(1):80–3

A multiple-dose comparison of ketorolac tromethamine with diflunisal and placebo in postmeniscectomy pain. Honig WJ, et al. **J Clin Pharmacol** 1986 Nov–Dec;26(8):700–5

Position sense in a damaged knee [letter] Marcus JC. **J Neurol Neurosurg Psychiatry** 1987 May;50(5):651

Systemic administration of glycosaminoglycan polysulphate (arteparon) provides partial protection of articular cartilage from damage produced by meniscectomy in the canine. Hannan N, et al. **J Orthop Res** 1987;5(1):47–59

Arthroscopically aided meniscal repair. Lindenfeld TN. **Orthopedics** 1987 Sep;10(9):1293–6

[Arthroscopic suturing of menisci] Fruensgaard S, et al. **Ugeskr Laeger** 1986 Dec 29;149(1):19–20 (Eng. Abstr.) **(Dan)**

[Meniscectomy in children. Diagnosis, pathology and late results] Hansen AJ, et al. **Ugeskr Laeger** 1986 Sep 8; 148(37):2350–2 (Eng. Abstr.) **(Dan)**

[Measuring compartment pressure of the tibia with the intracranial probe] Becker HP, et al. **Unfallchirurg** 1987 May;90(5):212–7 (Eng. Abstr.) **(Ger)**

[Meniscectomy and costs. A comparison between open and arthroscopic meniscectomy (medical contribution to cost control)] Mona D, et al. **Z Unfallchir Versicherungsmed Berufskr** 1986;79(2):89–94 **(Ger)**

[Meniscus reinsertion in the surgical correction of fresh knee-joint instability] Kiss I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1987; 30(3):179–84 (Eng. Abstr.) **(Hun)**

[Arthroscopic meniscectomy with 2 access routes. A note on the surgical technic for bucket-handle lesions] Aglietti P, et al. **Arch Putti Chir Organi Mov** 1985;35:91–9 (Eng. Abstr.) **(Ita)**

[Arthroscopic surgery of the meniscus] Lereim P, et al. **Tidsskr Nor Laegeforen** 1986 Jun 20;106(17–18):1475–6, 66 (Eng. Abstr.) **(Nor)**

[Suture of isolated peripheral detachment of the menisci] Muri R, et al. **Tidsskr Nor Laegeforen** 1986 Dec 10; 106(34–36):2985–6, 60 (Eng. Abstr.) **(Nor)**

TRANSPLANTATION

Repair of osteochondral defects in articular weightbearing areas in the rabbit's knee. The use of autologous osteochondral and meniscal grafts. Gomar-Sancho F, et al. **Int Orthop** 1987;11(1):65–9

[Meniscus transplantation in animal experiments and initial clinical results] Wirth CJ, et al. **Z Orthop** 1986 Jul–Aug; 124(4):508–12 **(Ger)**

MENOPAUSE

Cytolysis and karyopyknosis in postmenopausal vaginal smears as markers of endometrial cancer, diabetes and obesity. Studies based on a ten-year follow-up. Grönroos M, et al. **Acta Cytol (Baltimore)** 1986 Nov–Dec; 30(6):628–32

Postmenopausal osteoporosis: no effect of three years treatment with 1,25-dihydroxycholecalciferol. Falch JA, et al. **Acta Med Scand** 1987;221(2):199–204

Postmenopausal tubo-ovarian abscess. Fisher M, et al. **Acta Obstet Gynecol Scand** 1986;65(6):661–3

New leads on contraception and menopause research. Stockholm, September 14, 1985. **Acta Obstet Gynecol Scand [Suppl]** 1986;134:1–101

Menopause, developing countries and the 21st century. Diczfalusy E. **Acta Obstet Gynecol Scand [Suppl]** 1986; 134:45–57

Clinical experience with a low-dose combination of estradiol valerate and levonorgestrel. Double-blind comparative study between SH D 386 F and Cyclabil. Effects on symptoms, lipids and endometrial condition. Lagrelius A, et al. **Acta Obstet Gynecol Scand [Suppl]** 1986;134:97–101

Post-menopausal osteoporosis. A practical approach to its prevention. Notelovitz M. **Acta Obstet Gynecol Scand [Suppl]** 1986;134:67–80

Hormonal replacement therapy—cardiovascular disease. Silfverstolpe G, et al. **Acta Obstet Gynecol Scand [Suppl]** 1986;134:93–5

Menopause, estrogens and risk for coronary heart disease. Tikkanen M, et al. **Acta Obstet Gynecol Scand [Suppl]** 1987; 140:39–45

Study of 16,16'-dimethyl-trans-delta 2 prostaglandin E1 methyl ester vaginal suppository for cervical dilatation in premenopausal and postmenopausal women. Rabe T, et al. **Adv Contracept** 1985 Mar;1(1):91–102

A prospective cohort study of postmenopausal hormone use and risk of breast cancer in US women. Buring JE, et al. **Am J Epidemiol** 1987 Jun;125(6):939–47

The relationship of endogenous estrogen to bone density and bone area in normal postmenopausal women. Cauley JA, et al. **Am J Epidemiol** 1986 Nov;124(5):752–61

Reproducibility and validity of self-reported menopausal status in a prospective cohort study. Colditz GA, et al. **Am J Epidemiol** 1987 Aug;126(2):319–25

Health status and utilization behavior associated with menopause. McKinlay JB, et al. **Am J Epidemiol** 1987 Jan; 125(1):110–21

Comparison of physicians' decisions regarding estrogen replacement therapy for menopausal women and decisions derived from a decision analytic model [letter] Whalen JB. **Am J Med** 1987 Jan;82(1):184–5

Screening for postmenopausal osteoporosis. Davis MR. **Am J Obstet Gynecol** 1987 Jan;156(1):1–5

Postmenopausal smoking, estrogen replacement therapy, and the risk of endometrial cancer. Franks AL, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):20–3

Long-term effects of percutaneous estrogens and oral progesterone on serum lipoproteins in postmenopausal women. Jensen J, et al. **Am J Obstet Gynecol** 1987 Jan; 156(1):66–71

A high prevalence of chlamydial cervicitis in postmenopausal women. Nagashima T. **Am J Obstet Gynecol** 1987 Jan; 156(1):31–2

Symptomatic endosalpingosis in a postmenopausal woman. Onybeke W, et al. **Am J Obstet Gynecol** 1987 Apr; 156(4):924–6

Pathogenesis of osteoporosis. Riggs BL. **Am J Obstet Gynecol** 1987 May;156(5):1342–6

The effect of percutaneous estradiol and natural progesterone on postmenopausal bone loss. Riis BJ, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):61–5

Postmenopausal estrogen and androgen replacement and lipoprotein lipid concentrations. Sherwin BB, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):414–9

Geriatric gynaecology. Cheang A, et al. **Ann Acad Med Singapore** 1987 Jan;16(1):66–73 (117 ref.)

Treatment of postmenopausal osteoporosis [letter] [published erratum appears in Ann Intern Med 1987 Aug;107(2):265] Roof BS. **Ann Intern Med** 1987 May;106(5):780

Dynamic bone loading exercises for postmenopausal women: effect on the density of the distal radius. Ayalon J, et al. **Arch Phys Med Rehabil** 1987 May;68(5 Pt 1):280–3

Perimenopausal sexuality. Cutler WB, et al. **Arch Sex Behav** 1987 Jun;16(3):225–34

Calcium metabolism and osteoporosis in corticosteroid-treated postmenopausal women. Need AG, et al. **Aust NZ J Med** 1986 Jun;16(3):341–6

Caecal adenocarcinoma metastatic to ovary inducing increased oestrogen production and postmenopausal bleeding. Brennecke SP, et al. **Aust NZ J Obstet Gynaecol** 1986 May;26(2):158–61

Urine glycosaminoglycans in a reference population: effects of age, body surface area, and postmenopausal status. Larking PW, et al. **Biochem Med Metab Biol** 1987 Apr; 37(2):246–54

Menopausal oestrogens and breast cancer risk: an expanded case-control study. Brinton LA, et al. **Br J Cancer** 1986 Nov;54(5):825–32

The effects of norethisterone in postmenopausal women on oestrogen replacement therapy: a model for the premenstrual syndrome. Magos AL, et al. **Br J Obstet Gynaecol** 1986 Dec;93(12):1290–6

Psychiatric disorder and gynaecological symptoms in middle aged women: a community survey. Gath D, et al. **Br Med J** 1987 Jan 24;294(6566):213–8

Effect of combined implants of oestradiol and testosterone on libido in postmenopausal women. Burger H, et al. **Br Med J [Clin Res]** 1987 Apr 11;294(6577):936–7

Effect of passive exposure to smoking on age at natural menopause. Everson RB, et al. **Br Med J [Clin Res]** 1986 Sep 27;293(6550):792

Coherence treatment of postmenopausal osteoporosis with growth hormone and calcitonin. Aloia JF, et al. **Calcif Tissue Int** 1987 May;40(5):253–9

Effects of nandrolone decanoate on forearm mineral density and calcium metabolism in osteoporotic postmenopausal women. Need AG, et al. **Calcif Tissue Int** 1987 Jul; 41(1):7–10

Is postmenopausal bone loss an age-related phenomenon? Thomsen K, et al. **Calcif Tissue Int** 1986 Sep;39(3):123–7

Thermoregulatory physiology of menopausal hot flashes: a review. Kronenberg F, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1312–24

Plasma hormones in parous, nulliparous and postmenopausal Japanese women. Hill P, et al. **Cancer Lett** 1986 Nov; 33(2):131–6

Adjuvant aminoglutethimide therapy for postmenopausal patients with primary breast cancer. Coombes RC, et al. **Cancer Res** 1987 May 1;47(9):2494–7

Are progesterone receptor assays needed in post-menopausal, estrogen receptor-negative patients? [letter] Brocklehurst D, et al. **Clin Chem** 1986 Nov;32(11):2120

Lipoprotein and apoprotein levels in postmenopausal women during treatment with norethisterone. Farish E, et al. **Clin Chim Acta** 1986 Sep 15;159(2):147–51

Interactions of oestradiol benzoate and promegestone upon basal and TRH-induced prolactin secretion in postmenopausal women. Joseph PJ, et al. **Clin Endocrinol (Oxf)** 1986 May;24(5):497–503

The effect of transdermal oestrogen on bone, calcium-regulating hormones and liver in postmenopausal women. Selby PL, et al. **Clin Endocrinol (Oxf)** 1986 Nov; 25(5):543–7

Long-term influence of levodopa on bone mass and growth hormone in postmenopausal women with Parkinson's disease. Rico H, et al. **Clin Neuropharmacol** 1987; 10(1):87–91

The effect of oral contraceptive use on vertebral bone mass in pre- and post-menopausal women. Lindsay R, et al. **Contraception** 1986 Oct;34(4):333–40

Hormone replacement therapy around and after the menopause: when and how? [published erratum appears in Drug Ther Bull 1987 Jun 15;25(12):48] **Drug Ther Bull** 1987 May 5;25(9):33–6

The relationship between oestradiol metabolism and adrenal steroids in the endometrium of postmenopausal women with and without endometrial cancer. Bonney RC, et al. **Eur J Cancer Clin Oncol** 1986 Aug;22(8):953–61

Cations and dehydroepiandrosterone-sulfate in cyst fluid of pre- and menopausal patients with gross cystic disease of the breast. Evidence for the existence of subpopulations of cysts. Dogliotti L, et al. **Eur J Cancer Clin Oncol** 1986 Nov;22(11):1301–7

Birth seasonality of breast cancer patients and its variation according to menopausal status and histologic type in Japan. Nakao H. **Eur J Cancer Clin Oncol** 1986 Sep; 22(9):1105–10

Estrogen production and metabolism in normal postmenopausal women and postmenopausal women with breast or endometrial cancer. Reed MJ, et al. **Eur J Cancer Clin Oncol** 1986 Nov;22(11):1395–400

Diagnostic breast screening: clinical significance during menopause. Litta P, et al. **Eur J Gynaecol Oncol** 1986; 7(3):197–9

The positive feedback of estradiol on gonadotropin secretion in women with perimenopausal dysfunctional uterine bleeding. Cano A, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Sep;22(5–6):353–8

Equine estrogen-dydrogesterone therapy in the management of postmenopausal women. De Cleyn K, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Nov;23(3–4):201–9

Age at menarche and menopause of uterine cancer patients. de Graaff J, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Aug;8(4):187–93

Secretory endometrium associated with breakthrough bleeding in estrogen-treated postmenopausal women. Honoré LH. **Eur J Obstet Gynecol Reprod Biol** 1977; 7(3):141–5

Serum steroid hormone profiles in postmenopausal smokers and nonsmokers. Friedman AJ, et al. **Fertil Steril** 1987 Mar; 47(3):398–401

The perimenopausal patient in in vitro fertilization: the use of gonadotropin-releasing hormone. Jones GS, et al. **Fertil Steril** 1986 Nov;46(5):885–91

Ovarian androgen secretion in patients with galactosemia and premature ovarian failure. Kaufman FR, et al. **Fertil Steril** 1987 Jun;47(6):1033–4

Exercise in the postmenopausal woman. Bachmann GA, et al. **Geriatrics** 1987 Jan;42(1):75–7, 81–5

The correlation of serum estrogens and androgens with bone density in the late postmenopause. Deutsch S, et al. **Int J Gynaecol Obstet** 1987 Jun;25(3):217–22

Osteoporosis and ERT—the jury is still out. Guinan ME, et al. **J Am Med Wom Assoc** 1987 May–Jun;42(3):92–3

Assessment of the risk of vertebral fracture in menopausal women. Buchanan JR, et al. **J Bone Joint Surg [Am]** 1987 Feb;69(2):212–8

The decline of grip strength in the menopause: relationship to physical activity, estrogen use and anthropometric factors. Cauley JA, et al. **J Chronic Dis** 1987;40(2):115–20

Postmenopausal osteoporosis—intervention and prophylaxis. A review. Rodysill KJ. **J Chronic Dis** 1987;40(8):743–60 (178 ref.)

Active bone turnover of the cortico-endosteal envelope in postmenopausal osteoporosis. Brown JP, et al. **J Clin Endocrinol Metab** 1987 May;64(5):954–9

Sustained inhibitory actions of a potent antagonist of gonadotropin-releasing hormone in postmenopausal women. Davis MR, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1268–74

Free estradiol, free testosterone, and sex hormone-binding globulin in perimenopausal women. Longcope C, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):513–8

Relationship of androgenic activity to splanchnic insulin metabolism and peripheral glucose utilization in premenopausal women. Peiris AN, et al. **J Clin Endocrinol Metab** 1987 Jan;64(1):162–9

1,25-Dihydroxyvitamin D stimulation test for osteoblast function in normal and osteoporotic postmenopausal women. Duda RJ Jr, et al. **J Clin Invest** 1987 Apr; 79(4):1249–53

Age-, sex-, and menopause-related changes of vertebral and peripheral bone: population study using dual and single photon absorptiometry and radiogrammetry. Geusens P, et al. **J Nucl Med** 1986 Oct;27(10):1540–9

Premature ovarian failure. Current concepts. Alper MM, et al. **J Reprod Med** 1986 Aug;31(8):699–708 (98 ref.)

The significance of the postmenopausal simple adnexal cyst. Hall DA, et al. **J Ultrasound Med** 1986 Sep;5(9):503–5

Postmenopausal endometrial fluid collections: always an indicator of malignancy? McCarthy KA, et al. **J Ultrasound Med** 1986 Nov;5(11):647–9

Nephrolithiasis from calcium supplementation [editorial] Pak CY, et al. **J Urol** 1987 Jun;137(6):1212–3

Hormone replacement: gynecologists consider the heart of the matter [news] Raymond CA. **JAMA** 1987 Sep 25; 258(12):1573, 1577

Will epidemiology answer the estrogen question? [news] Raymond CA. **JAMA** 1987 Sep 25;258(12):1578

Skin collagen changes in post-menopausal women receiving oestradiol gel. Brincat M, et al. **Maturitas** 1987 Apr;9(1):1–5

Effect of progesterone injection on progesterone receptor levels and distribution in untreated and short-term Premarin-primed pre-menopausal and post-menopausal endometrium. Gorodeski IG, et al. **Maturitas** 1986 Dec; 8(4):353–8

Characterization of the nuclear progesterone receptor in normal Premarin-primed post-menopausal endometrium. Gorodeski IG, et al. **Maturitas** 1986 Dec;8(4):345–52

Parity and age at menopause in a Danish sample. Jeune B. **Maturitas** 1986 Dec;8(4):359–65

A prospective long-term study in women from pre-menopause to post-menopause: changing profiles of gonadotrophins, oestrogens and androgens. Rannevik G, et al. **Maturitas** 1986 Dec;8(4):297–307

Endometrium and plasma hormone profile in the peri-menopause and post-menopause. Trévoux R, et al. **Maturitas** 1986 Dec;8(4):309–26

Benefits and risks of different hormonal replacement therapies in post-menopausal women. Volpe A, et al. **Maturitas** 1986 Dec;8(4):327–34

The postmenopausal woman. **Med Clin North Am** 1987 Jan; 71(1):1–152

The multifactorial nature of osteoporosis: the potential of corticosteroid-binding globulin as a unifying regulator. Duke-Cohan JS. **Med Hypotheses** 1986 Dec;21(4):431–9

Postmenopausal osteoporosis [letter] **Med J Aust** 1987 Jul 6;147(1):47–50

Postmenopausal osteoporosis [letter] Nordin BE, et al. **Med J Aust** 1987 Sep 21;147(6):311

The relation of forearm mineral density to peripheral fractures in postmenopausal women. Nordin BE, et al. **Med J Aust** 1987 Mar 16;146(6):300–4

Absence of an inverse relation of dehydroepiandrosterone sulfate with cardiovascular mortality in postmenopausal women [letter] Barrett-Connor E, et al. **N Engl J Med** 1987 Sep 10;317(11):711

Menopause and the risk of coronary heart disease in women. Colditz GA, et al. **N Engl J Med** 1987 Apr 30; 316(18):1105–10

Estrogen plus progestin in postmenopausal women—act II [editorial] MacDonald PC. **N Engl J Med** 1986 Oct 9; 315(15):959–61

A simple method for determining the optimal dosage of progestin in postmenopausal women receiving estrogens. Padwick ML, et al. **N Engl J Med** 1986 Oct 9;315(15):930–4

Hormone-replacement therapy and heart disease [letter] Pike MC, et al. **N Engl J Med** 1987 May 14;316(20):1274–5

Postmenopausal estrogen use and heart disease [letter] Shapiro S. **N Engl J Med** 1987 Jan 15;316(3):164–5

Postmenopausal estrogen and cardiovascular disease [letter] Stubblefield PG. **N Engl J Med** 1987 Feb 5;316(6):342–3

Premature ovarian failure and autoimmune hypothyroidism in the absence of Addison's disease. Wolffenbuttel BH, et al. **Neth J Med** 1987 Apr;30(3–4):128–34

State of the art: Managing menopause and osteoporosis. Abrams J. **NJ Med** 1986 Nov;83(11):727–9

Response of skin thickness and metacarpal index to estradiol therapy in postmenopausal women. Brincat M, et al. **Obstet Gynecol** 1987 Oct;70(4):538–41

Adnexal masses in postmenopausal women. Rulin MC, et al. **Obstet Gynecol** 1987 Oct;70(4):578–81

Efficacy of a continuous estrogen-progestin regimen in the menopausal patient. Weinstein L. **Obstet Gynecol** 1987 Jun; 69(6):929–32

Bone fractures among former college athletes compared with nonathletes in the menopausal and postmenopausal years. Wyshak G, et al. **Obstet Gynecol** 1987 Jan;69(1):121–6

The menopause. **Obstet Gynecol Clin North Am** 1987 Mar; 14(1):1–327

Contraception for the perimenopausal patient. Upton GV. **Obstet Gynecol Clin North Am** 1987 Mar;14(1):207–27 (88 ref.)

Relationship between flow cytometric parameters, steroid receptors, and menopausal status in breast cancers. Abandowitz HM, et al. **Oncology** 1987;44(1):24–9

Estrogen-progestogen therapy during menopause. Renewed interest in the 1980s. Gambrell RD Jr. **Postgrad Med** 1986 Nov 1;80(6):261–7

Fibromyalgia and menopause. Examination of the relationship. Waxman J, et al. **Postgrad Med** 1986 Sep 15; 80(4):165–7, 170–1

Post-menopausal breast abscess. Raju GC, et al. **Postgrad Med J** 1986 Nov;62(733):1017–8

Bone mineral content in early-postmenopausal and postmenopausal osteoporotic women [letter] Mazess RB. **Radiology** 1987 Oct;165(1):289–91

Postmenopausal osteoporosis: simple screening method for diagnosis before structural failure. Meema HE, et al. **Radiology** 1987 Aug;164(2):405–10

Use of aminoglutethimide for the treatment of advanced breast cancer. Clinical correlations with previous treatment, oestrogen-receptor and menstrual status. Bezwoda WR, et al. **S Afr Med J** 1987 Jul 18;72(2):107–9

Bone turnover in healthy adults measured by whole body retention and urinary excretion of 99mTc-MDP. Normalization by bone mass. Thomsen K, et al. **Scand J Clin Lab Invest** 1986 Oct;46(6):587–92

Long term IUD user at menopause. The case of a woman who wore an IUD for 14 years. Smith DA. **SD J Med** 1987 Jan;40(1):5–6

Changing ideas: the medicalization of menopause. Bell SE. **Soc Sci Med** 1987;24(6):535–42

Vaginal physiology in postmenopausal women: pH value, transvaginal electropotential difference, and estimated blood flow. Tsai CC, et al. **South Med J** 1987 Aug; 80(8):987–90

Postmenopausal estrogen, cancer and other considerations. Barrett-Connor E. **Women Health** 1986 Fall–Winter; 11(3–4):179–95

[Epidemiological and diagnostic problems of osteoporosis in the menopause] Rachev E, et al. **Akush Ginekol (Sofiia)** 1987;26(2):49–53 (16 ref.) (Eng. Abstr.) **(Bul)**

[Experience in treating 20 cases of postmenopausal advanced breast cancer] Huang HY. **Chung Hua I Hsueh Tsa Chih** 1986 Mar;66(3):169 **(Chi)**

[Benefits and risks in estrogen therapy] Donát J. **Cesk Gynekol** 1986 Sep;51(8):631–5 **(Cze)**

[Value of promestriene in the treatment of postmenopausal urination disorders] Arvis G, et al. **Rev Fr Gynecol Obstet** 1986 Dec;81(12):727–9 **(Fre)**

[Sexuality and menopause] Chatel A. **Union Med Can** 1987 Mar;116(3):171–3, 193 (Eng. Abstr.) **(Fre)**

[Premature menopause] Fauser J, et al. **Geburtshilfe Frauenheilkd** 1986 Oct;46(10):735–7 (Eng. Abstr.) **(Ger)**

[Low-dose aminoglutethimide therapy without cortisol substitution in postmenopause metastasizing breast cancer] Höffken K, et al. **Med Klin** 1986 Oct 3;81(20):638–42 (Eng. Abstr.) **(Ger)**

[Postmenopausal bleeding: a neglected problem?] Klug PW, et al. **Wien Med Wochenschr** 1987 Mar 31;137(5–6):97–9 (Eng. Abstr.) **(Ger)**

[Sex behavior and vaginal flora in climacteric and postmenopausal females] Rudelstorfer R, et al. **Wien Med Wochenschr** 1987 Mar 31;137(5–6):120–2 (Eng. Abstr.) **(Ger)**

[Estrogen replacement therapy for postmenopausal osteoporosis] Lessing J, et al. **Harefuah** 1986 Oct; 111(7–8):186–8 **(Heb)**

[Colposcopy in the post-menopausal period. A short outline] Bertone C, et al. **Minerva Ginecol** 1986 Dec;38(12):993–5 **(Ita)**

[Carcinoma of the breast in the pre- and post-menopausal period] Sismondi P, et al. **Minerva Ginecol** 1987 Mar; 39(3):153–61 (Eng. Abstr.) **(Ita)**

[Indications for the use of mesoglycan in obstetrics and gynecology] Genazzani AR, et al. **Minerva Med** 1986 Oct 27;77(41):1945–8 **(Ita)**

[Headache and reproductive life] Martignoni E, et al. **Minerva Med** 1987 Jul 31;78(14):967–70 **(Ita)**

[Echotomographic aspects of the post-menopausal uterus after prolonged treatment with tamoxifen] Burke P, et al. **Radiol Med (Torino)** 1986 Dec;72(12):975–6 **(Ita)**

[Interrelation between menopausal age and frequency of ovulatory cycles in life] Kikuchi T. **Hokkaido Igaku Zasshi** 1987 May;62(3):469–75 (Eng. Abstr.) **(Jpn)**

[Psychosocial backgrounds of climacteric symptoms and complaints] Abe T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Dec; 38(12):2143–51 (Eng. Abstr.) **(Jpn)**

[The menopause and its implications] Stratone A. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan–Mar;90(1):177–80 **(Rum)**

[Echographic changes in uterine and ovarian size in the postmenopausal period] Krasikova SP. **Akush Ginekol (Mosk)** 1987 May;(5):28–30 (Eng. Abstr.) **(Rus)**

[Cytologic and histologic changes in the uterine cervix in menopause] Ciric B. **Med Pregl** 1986;39(9–10):441–4 (Eng. Abstr.) **(Scr)**

[Variation in the hormonal status of women treated with vaginally administered estrogen in the postmenopausal period] Stavrić V, et al. **Med Pregl** 1986;39(11–12):541–5 (Eng. Abstr.) **(Scr)**

[Examination of the female with postmenopause hemorrhage] Renaer M. **Rev Chil Obstet Ginecol** 1985;50(3):244–6 (Eng. Abstr.) **(Spa)**

BLOOD

Estriol in the postmenopause. Heimer GM. **Acta Obstet Gynecol Scand [Suppl]** 1987;139:1–23

Re: "Menopausal change in serum cholesterol: black/white differences in Evans County, Georgia" [letter]Meade TW.

Am J Epidemiol 1987 Jan;125(1):170–1

Continuous oestrogen–progestogen treatment and serum lipoproteins in postmenopausal women. Jensen J, et al. **Br J Obstet Gynaecol** 1987 Feb;94(2):130–5

Cyproterone acetate, an alternative progestogen in postmenopausal hormone replacement therapy? Effects on serum lipids and lipoproteins. Jensen J, et al. **Br J Obstet Gynaecol** 1987 Feb;94(2):136–41

Vitamin D concentrations in women of postmenopausal age with fractures of the femoral neck. Ulivieri FM, et al. **Ital J Orthop Traumatol** 1986 Sep;12(3):401–5

Serum magnesium in women during pregnancy, while taking contraceptives, and after menopause. Stanton MF, et al. **J Am Coll Nutr** 1987 Aug;6(4):313–9

Early postmenopausal bone loss is not associated with a decrease in circulating levels of 25–hydroxyvitamin D, 1,25–dihydroxyvitamin D, or vitamin D–binding protein. Falch JA, et al. **J Clin Endocrinol Metab** 1987 Apr; 64(4):836–41

Steroid and gonadotropin levels in women during the peri–menopausal years. Longcope C, et al. **Maturitas** 1986 Oct;8(3):189–96

Effects of natural oestrogen/progestogen substitution therapy on carbohydrate and lipid metabolism in post–menopausal women. Luotola H, et al. **Maturitas** 1986 Oct;8(3):245–53

Adrenal androgens, sex–hormone binding globulin and bone density in osteoporotic menopausal women: is there a relationship? Wild RA, et al. **Maturitas** 1987 Apr;9(1):55–61

Cardiovascular disease and hypertension in older women. Nachtigall LE. **Obstet Gynecol Clin North Am** 1987 Mar; 14(1):89–105 (35 ref.)

[Sex hormones and the hypophyseo–gonadal axis in females with liver cirrhosis in postmenopause] Grün R, et al. **Klin Wochenschr** 1987 May 4;65(9):411–8 (Eng. Abstr.) **(Ger)**

[Development of clinical pictures of ovarian deficiency following hysterectomy and destructive fallopian tube sterilization procedures] Riedel HH, et al. **Zentralbl Gynakol** 1987;109(12):755–70 (Eng. Abstr.) **(Ger)**

[Serum prolactin level in women with hypothyroidism after menopause] Zych F, et al. **Pol Tyg Lek** 1987 Feb 23; 42(8):215–7 (Eng. Abstr.) **(Pol)**

[Rheological and coagulative properties of the blood in patients with hyperplastic processes of the endometrium in the menopause before and after surgery] Bezrukova OD, et al. **Akush Ginekol (Mosk)** 1987 May;(5):42–7 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The effects of conjugated equine oestrogens with and without a cyclical progestogen on lipoproteins, and HDL subfractions in postmenopausal women. Farish E, et al. **Acta Endocrinol (Copenh)** 1986 Sep;113(1):123–7

Overview of the efficacy of hormonal replacement therapy. Ettinger B. **Am J Obstet Gynecol** 1987 May; 156(5):1298–303

Use of progestogen therapy. Gambrell RD Jr. **Am J Obstet Gynecol** 1987 May;156(5):1304–13

Estrogen therapy in the prevention and management of osteoporosis. Lindsay R. **Am J Obstet Gynecol** 1987 May; 156(5):1347–51

Compliance with hormone therapy. Ravnikar VA. **Am J Obstet Gynecol** 1987 May;156(5):1332–4

Transdermal estradiol overall safety profile. Utian WH. **Am J Obstet Gynecol** 1987 May;156(5):1335–8

Controversies concerning the safety of estrogen replacement therapy. Whitehead MI, et al. **Am J Obstet Gynecol** 1987 May;156(5):1313–22 (67 ref.)

Effect of combined implants of oestradiol and testosterone on libido in postmenopausal women [letter] Appleby L, et al. **Br Med J [Clin Res]** 1987 May 30;294(6584):1417–8

Dose dependent response of symptoms, pituitary, and bone to transdermal oestrogen in postmenopausal women [letter] Whitehead MI, et al. **Br Med J [Clin Res]** 1987 Mar 21; 294(6574):769–70

Current status of postmenopausal oestrogen therapy. Young RL, et al. **Drugs** 1987 Feb;33(2):95–106 (40 ref.)

The risk of breast cancer in postmenopausal women who have used estrogen replacement therapy [published erratum appears in JAMA 1987 May 8;257(18):2438] Wingo PA, et al. **JAMA** 1987 Jan 9;257(2):209–15

Sex steroid replacement in post–menopausal women: effects on thyroid hormone status. Abdalla HI, et al. **Maturitas** 1987 Apr;9(1):49–54

Skin collagen changes in post–menopausal women receiving oestradiol gel. Brincat M, et al. **Maturitas** 1987 Apr;9(1):1–5

Pilot study to evaluate a new regimen to treat climacteric complaints with cyclic combined oestradiol valerate/medroxyprogesterone acetate. Hellberg D, et al. **Maturitas** 1987 Apr;9(1):103–7

Clinical and lipid metabolic effects of unopposed oestrogen and two oestrogen–progestogen regimens in post–menopausal women. Hirvonen E, et al. **Maturitas** 1987 Apr;9(1):69–79

Endometrial effects of a continuous percutaneous oestrogen/low dose oral progestogen regimen for climacteric complaints. Holst J, et al. **Maturitas** 1987 Apr; 9(1):63–7

Effect of oral hormone replacement therapy on liver function tests. Moore B, et al. **Maturitas** 1987 Apr;9(1):7–15

Effects of long–term Org OD 14 administration on blood coagulation in climacteric women. Parkin DE, et al. **Maturitas** 1987 Apr;9(1):95–101

Comparison between Premarin and ethinyl oestradiol [letter] Nordin BE. **Med J Aust** 1987 Jan 5;146(1):56–7

Prevention of postmenopausal osteoporosis by estrogen/gestagen substitution therapy. Riis B, et al. **Med Klin** 1987 Mar 20;82(6):238–41

Transdermal estrogen. **Med Lett Drugs Ther** 1986 Dec 5; 28(728):119–20

Noncontraceptive estrogens and mortality: long–term follow–up of women in the Walnut Creek Study. Petitti DB, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):289–93

The use of androgens in the menopause and other gynecic disorders. Greenblatt RB. **Obstet Gynecol Clin North Am** 1987 Mar;14(1):251–68

Hormone pellet implantation for the menopause and premenstrual syndrome. Studd J, et al. **Obstet Gynecol Clin North Am** 1987 Mar;14(1):229–49 (75 ref.)

The effects of estrogens and progestogens on the endometrium. Modern approach to treatment. Whitehead MI, et al. **Obstet Gynecol Clin North Am** 1987 Mar; 14(1):299–320 (66 ref.)

Psychosomatic symptoms of postmenopausal women with or without hormonal treatment. Iatrakis G, et al. **Psychother Psychosom** 1986;46(3):116–21

Influence on blood pressure of oestrogen substitution therapy in the menopause. Eggertsen R. **Scand J Prim Health Care** 1987 Feb;5(1):51–3

[Oral hormone therapy in the pre– and postmenopausal period] Braendle W, et al. **Gynakologe** 1986 Dec; 19(4):235–40 **(Ger)**

[Hormone substitution by injectable preparations and skin implants] Kuhl H. **Gynakologe** 1986 Dec;19(4):241–7 **(Ger)**

[General undifferentiated estrogen (progestagen) substitution in the prevention of osteoporosis: contra] Ziegler R. **Med Klin** 1987 Mar 20;82(6):241–4 **(Ger)**

[Sotalol in menopausal disorders] Dallera F, et al. **Clin Ter** 1986 Dec 31;119(6):465–9 (Eng. Abstr.) **(Ita)**

[Pathogenesis and treatment of various forms of the climacteric syndrome] Smetnik VP, et al. **Akush Ginekol (Mosk)** 1986 Jul;(7):34–7 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunological disturbances in patients with premature ovarian failure. Pekonen F, et al. **Clin Endocrinol (Oxf)** 1986 Jul;25(1):1–6

Circulating antiovarian antibodies in premature ovarian failure. Damewood MD, et al. **Obstet Gynecol** 1986 Dec; 68(6):850–4

[True primary hypoparathyroidism and premature menopause. Search for the dysimmune context (letter)] Fénichel P, et al. **Presse Med** 1987 Jul 4;16(26):1290 **(Fre)**

METABOLISM

Pharmacokinetic studies of estradiol enantate in menopausic women. Wiemeyer JC, et al. **Arzneimittelforschung** 1986 Nov;36(11):1674–7

Decline in skin collagen content and metacarpal index after the menopause and its prevention with sex hormone replacement. Brincat M, et al. **Br J Obstet Gynaecol** 1987 Feb;94(2):126–9

Dose dependent response of symptoms, pituitary, and bone to transdermal oestrogen in postmenopausal women [letter] Peacock M, et al. **Br Med J** 1987 Feb 14;294(6569):440

The use of nonradiolabelled steroid infusions to investigate the origin of oestrone sulphate in postmenopausal women. Reed MJ, et al. **Horm Metab Res** 1986 Nov;18(11):779–83

Serum osteocalcin and total body calcium in normal pre– and postmenopausal women and postmenopausal osteoporotic patients. Yasumura S, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):681–5

Progesterone receptors in vaginal tissue of post–menopausal women. Batra S, et al. **Maturitas** 1987 Apr;9(1):87–93

Adrenal steroids in post–menopausal women: relation to obesity and to bone mineral content. Brody S, et al. **Maturitas** 1987 Apr;9(1):25–32

Shifted distribution of cation–related cyst types in post–menopausal patients with gross cystic disease of the breast. Orlandi F, et al. **Maturitas** 1987 Apr;9(1):17–23

Nutrition: calcium, cholesterol, and calories. Sutnick MR. **Med Clin North Am** 1987 Jan;71(1):123–34 (27 ref.)

Skin collagen changes in postmenopausal women receiving different regimens of estrogen therapy. Brincat M, et al. **Obstet Gynecol** 1987 Jul;70(1):123–7

Absorption and metabolic effects of different types of estrogens and progestogens. Lobo RA. **Obstet Gynecol Clin North Am** 1987 Mar;14(1):143–67 (69 ref.)

Changes in lipoproteins with various sex steroids. Teran AZ, et al. **Obstet Gynecol Clin North Am** 1987 Mar;14(1):107–19 (82 ref.)

PHYSIOLOGY

Lack of an association between calcium intake and blood pressure in postmenopausal women. Schramm MM, et al. **Am J Clin Nutr** 1986 Oct;44(4):505–11

Symposium: Current perspectives in the management of the menopausal and postmenopausal patient. Banff, Alberta, Canada, September 22–26, 1986. **Am J Obstet Gynecol** 1987 May;156(5):1279–356

Modulating actions of estradiol on gonadotropin–releasing hormone–stimulated prolactin secretion in postmenopausal individuals. Christiansen E, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):320–5

The effect of estrogen–progestin treatment on opioid control of gonadotropin and prolactin secretion in postmenopausal women. Dawood MY, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1246–51

Pharmacology and pharmacokinetics of estrogens. Lievertz RW. **Am J Obstet Gynecol** 1987 May;156(5):1289–93

Overview on menopause. Utian WH. **Am J Obstet Gynecol** 1987 May;156(5):1280–3

Ovulation after treatment with ethinyl–oestradiol and medroxyprogesterone acetate in a woman approaching premature menopause. Case report. Petsos P, et al. **Br J Obstet Gynaecol** 1986 Nov;93(11):1155–60

Bone density of the radius, spine, and hip in relation to percent of ideal body weight in postmenopausal women. Dawson–Hughes B, et al. **Calcif Tissue Int** 1987 Jun; 40(6):310–4

The influence of short–term estrogen replacement therapy (ERT) on the blood pressure and daily urinary catecholamine excretion in a small group of post–menopausal women. Blum M, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Nov;23(3–4):195–9

The variation of the mean spinability of human cervical mucus throughout the various stages of reproductive life. Automatic measurement and statistical study. Chretien FC, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Oct; 9(5):289–97

Management of dyspareunia in postmenopausal women. Wallis LA. **J Am Med Wom Assoc** 1987 May–Jun; 42(3):82–4

Regional and total skeletal measurements in the early postmenopause. Stevenson JC, et al. **J Clin Invest** 1987 Jul;80(1):258–62

Premenopausal hysterectomy and risk of cardiovascular disease [letter] Punnonen R, et al. **Lancet** 1987 May 16; 1(8542):1139

Endometrial response in post–menopausal women during treatment with percutaneous 17 beta–oestradiol opposed by oral progesterone. Holst J, et al. **Maturitas** 1986 Oct; 8(3):201–7

Relationships between psychological symptoms, somatic complaints and menopausal status. Hunter M, et al. **Maturitas** 1986 Oct;8(3):217–28

Oestrogen–progestogen replacement therapy changes body composition in early post–menopausal women. Jensen J, et al. **Maturitas** 1986 Oct;8(3):209–16

The physiology of the menopause. Barbo DM. **Med Clin North Am** 1987 Jan;71(1):11–22 (30 ref.)

Sleep disorders. Fry JM. **Med Clin North Am** 1987 Jan; 71(1):95–110 (68 ref.)

Sexuality during the menopause. Iddenden DA. **Med Clin North Am** 1987 Jan;71(1):87–94 (22 ref.)

Physical fitness for the mature woman. Idiculla AA, et al. **Med Clin North Am** 1987 Jan;71(1):135–48 (49 ref.)

Lower urinary tract disorders in the postmenopausal woman. Karafin LJ, et al. **Med Clin North Am** 1987 Jan;71(1):111–21

Postmenopausal bleeding: etiology, evaluation, and management. Rubin SC. **Med Clin North Am** 1987 Jan; 71(1):59–69 (39 ref.)

Postmenopausal osteoporosis. Silverberg SJ, et al. **Med Clin North Am** 1987 Jan;71(1):41–57 (69 ref.)

Exercise, nutrition, and the coagulation effects of estrogen replacement on cardiovascular health. Notelovitz M. **Obstet Gynecol Clin North Am** 1987 Mar;14(1):121–41 (88 ref.)

Diagnosis and management of perimenopausal and postmenopausal bleeding. Richards–Kustan CJ, et al. **Obstet Gynecol Clin North Am** 1987 Mar;14(1):169–89 (47 ref.)

Sexuality in the middle years. Sarrel PM. **Obstet Gynecol Clin North Am** 1987 Mar;14(1):49–62

The fate of the untreated menopause. Utian WH. **Obstet Gynecol Clin North Am** 1987 Mar;14(1):1–11

Endocrinological view of ageing and climacteric syndrome in women. Donát J, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1984;27(5):603–47

Endocrine changes and urinary citrate excretion. Hammar ML, et al. **Scand J Urol Nephrol** 1987;21(1):51–3

[Neurochemical and endocrine changes in the premenopausal and post–menopausal period] Distler W, et al. **Gynakologe** 1986 Dec;19(4):202–9 **(Ger)**

[Pathogenesis and therapy of osteoporosis in the postmenopausal period] Keck E, et al. **Gynakologe** 1986 Dec;19(4):220–6 **(Ger)**

[Contraception in the premenopausal period] Schwartz U. **Gynakologe** 1986 Dec;19(4):254–8 **(Ger)**

[The postmenopausal period and urinary incontinence] Schwenzer T, et al. **Gynakologe** 1986 Dec;19(4):227–34 **(Ger)**

[Hormonal status of patients with hyperplastic endometrial processes in the postmenopausal period] Savel'eva GM, et al. **Akush Ginekol (Mosk)** 1986 Nov;(11):8–13 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Aspects of gender and ethnic identity in menopause: two

Italian-American women. Goldstein MZ.
J Am Acad Psychoanal 1987 Jul;15(3):383-94
The psychiatric disorders of midlife. Schindler BA.
Med Clin North Am 1987 Jan;71(1):71-85 (56 ref.)
Depression in the menopause. Dennerstein L.
Obstet Gynecol Clin North Am 1987 Mar;14(1):33-48
[Psychological and familial status of the aging female with reference to psychopathologic behavior patterns] Molinski H. **Gynakologe** 1986 Dec;19(4):276-81 **(Ger)**
[Gynecologico-psychologic aspects of artificial menopause] Borbély L, et al. **Cesk Gynekol** 1986 Aug;51(7):540-3 (Eng. Abstr.) **(Slo)**

URINE

[Relationship of fasting urinary calcium to estrogen levels in postmenopausal women] Li RY.
Chung Hua Fu Chan Ko Tsa Chih 1986 Nov;21(6):346-8, 391 (Eng. Abstr.) **(Chi)**

MENOPAUSE, PREMATURE see under **MENOPAUSE**

MENORRHAGIA

CHEMICALLY INDUCED

[Danazol in congenital hypofibrinogenemia: 2 paradoxical effects] Ruiz-Argüelles GJ. **Rev Invest Clin** 1987 Jan-Mar; 39(1):59-62 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

The alkaline hematin method for measuring menstrual blood loss--a modification and its clinical use in menorrhagia. van Eijkeren MA, et al.
Eur J Obstet Gynecol Reprod Biol 1986 Sep;22(5-6):345-51
Measured menstrual blood loss in women with menorrhagia associated with pelvic disease or coagulation disorder. Fraser IS, et al. **Obstet Gynecol** 1986 Nov;68(5):630-3
[Minor complaints in family medicine; vaginal blood loss in newborn infants] Eijkelenboom PR, et al.
Ned Tijdschr Geneeskd 1987 Jul 4;131(27):1166-7 **(Dut)**

DRUG THERAPY

Control of menorrhagia by the cyclo-oxygenase inhibitors naproxen sodium and mefenamic acid. Hall P, et al.
Br J Obstet Gynaecol 1987 Jun;94(6):554-8
Action of a prostaglandin synthetase inhibitor on IUD associated uterine bleeding. Di Lieto A, et al.
Clin Exp Obstet Gynecol 1987;14(1):41-4
Endocrine consequences of danazol treatment in menorrhagia. Guoth J, et al.
Eur J Obstet Gynecol Reprod Biol 1986 Oct;23(1-2):79-83
[Clinical observation and experimental study of the treatment of menorrhagia with tiaojing I]
Chung Hua Fu Chan Ko Tsa Chih 1986 Jul;21(4):215-8, 252 (Eng. Abstr.) **(Chi)**
[Efficacy and tolerability of danazol in the treatment of menorrhagia syndrome: multicenter study] Flamigni C, et al. **Minerva Ginecol** 1987 Jan-Feb;39(1-2):77-84 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

The fibrinolytic enzyme system in normal menstruation and excessive uterine bleeding and the effect of tranexamic acid. Dockeray CJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Apr;24(4):309-18

ETIOLOGY

Dysfunctional uterine bleeding associated with 45X/47XXX mosaicism and Von Willebrand's disease. Heritage-Miller A, et al. **J Adolesc Health Care** 1986 Nov;7(6):412-4
Menorrhagia due to myometrial hypertrophy: treatment with tamoxifen. Fraser IS. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):505-6
[Uterine hemorrhage in the premenopausal age] Tumilovich LG. **Akush Ginekol (Mosk)** 1987 May;(5):72-6 **(Rus)**

METABOLISM

Leukotriene release by endometrium and myometrium throughout the menstrual cycle in dysmenorrhoea and menorrhagia. Rees MC, et al. **J Endocrinol** 1987 May; 113(2):291-5

PHYSIOPATHOLOGY

Primary and myoma-associated menorrhagia: role of prostaglandins and effects of ibuprofen. Mäkäräinen L, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):974-8

SURGERY

Hysteroscopic management of menorrhagia. Loffer DF.
Acta Eur Fertil 1986 Nov-Dec;17(6):463-5
[Intrauterine cryosurgery: a report on an experimental study and clinical trial] Zhang CQ, et al.
Chung Hua Fu Chan Ko Tsa Chih 1986 May;21(3):145-7, 191 (Eng. Abstr.) **(Chi)**

THERAPY

Menorrhagia. Rees M. **Br Med J [Clin Res]** 1987 Mar 21; 294(6574):759-62
Dysfunctional uterine bleeding. Boyd ME. **Can J Surg** 1986 Sep;29(5):305-7
Treatment of menorrhagia [editorial] **Lancet** 1987 Aug 15; 2(8555):375-6

MENOTROPIN RECEPTORS see **RECEPTORS, GONADOTROPIN**

MENOTROPINS

ADMINISTRATION & DOSAGE

Sequential therapy with clomiphene citrate and human menopausal gonadotropin for induction of ovulation and pregnancy. Yasuda M, et al.
Asia Oceania J Obstet Gynaecol 1986 Jun;12(2):269-73
Ovarian follicular maturation in women. I. Intermittent versus daily administration of human menopausal gonadotropin. Archer DF, et al. **Fertil Steril** 1986 Dec; 46(6):1037-44
The outcome of continued treatment of luteinizing hormone-surged cycles in in vitro fertilization with the use of human menopausal gonadotropin. Huang KE, et al. **Fertil Steril** 1987 May;47(5):816-20
Management of gonadotrophin-induced cycles characterized by a significant discrepancy between oestrogen levels and dominant follicle size. Ben-Nun I, et al. **Hum Reprod** 1986 Sep;1(6):365-8
Comparison between clomiphene plus pulsatile human menopausal gonadotrophin and clomiphene plus pulsatile follicle stimulating hormone in induction of multiple follicular development in women. Messinis IE, et al.
Hum Reprod 1986 Jun;1(4):223-6
Combination clomiphene citrate/human menopausal gonadotropin stimulation protocols for in vitro fertilization-embryo transfer. Hill GA, et al.
J In Vitro Fert Embryo Transfer 1987 Feb;4(1):34-9
Gonadotropin-induced successful follicular development, oocyte recovery, fertilization, and cleavage of embryos in undiagnosed early pregnancy. Sharma V, et al.
J In Vitro Fert Embryo Transfer 1987 Feb;4(1):61-3
[Effect of serum prolactin on cycle stimulation and fertilization of human oocytes] Reinthaller A, et al.
Geburtshilfe Frauenheilkd 1987 Apr;47(4):246-8 (Eng. Abstr.) **(Ger)**
[Combined administration of human chorionic gonadotropin and human menopausal gonadotropin in idiopathic male infertility] Mizutani M, et al. **Hinyokika Kiyo** 1987 Jan; 33(1):51-4 (Eng. Abstr.) **(Jpn)**
[Ovulation induction with pulsatile gonadotropin-releasing hormone and continuous human menopausal gonadotropin in polycystic ovarian disease] Kuroda G.
Nippon Naibunpi Gakkai Zasshi 1987 Mar 20;63(3):247-59 (Eng. Abstr.) **(Jpn)**
[Combined therapy of bromocriptine, clomiphene citrate and HMG in normoprolactinemic amenorrhea patients who fail to respond to bromocriptine-clomiphene citrate therapy] Kubota T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Mar;39(3):455-62 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Adnexal torsion as a complication of superovulation for ovum retrieval. Chin NW, et al. **Fertil Steril** 1987 Jul;48(1):149-51
Direct correlation between plasma renin activity and severity of the ovarian hyperstimulation syndrome. Navot D, et al. **Fertil Steril** 1987 Jul;48(1):57-61
Drugs used in ovulation induction. Safety of patient and offspring. Lunenfeld B, et al. **Hum Reprod** 1986 Nov; 1(7):435-9

ANTAGONISTS & INHIBITORS

Decreased ovarian response to human menopausal gonadotropin caused by subcutaneously administered gonadotropin-releasing hormone agonist. Barnes RB, et al. **Fertil Steril** 1987 Mar;47(3):512-5

METABOLISM

Evidence for diverse structural variations of the forms of human FSH within and between pituitaries. Wide L.
Acta Endocrinol (Copenh) 1987 May;115(1):7-15

PHARMACODYNAMICS

A lesson from IVF endocrinology: the importance of the follicular phase to success and failure in non-IVF cycles. Gerris J, et al. **Acta Eur Fertil** 1986 Jul-Aug;17(4):251-8
The ovarian renin-angiotensin system: renin-like activity and angiotensin II/III immunoreactivity in gonadotropin-stimulated and unstimulated human follicular fluid. Lightman A, et al. **Am J Obstet Gynecol** 1987 Apr; 156(4):808-16
Preovulatory serum gonadotropin levels in hMG stimulated menstrual cycles in pregnant and nonpregnant patients. van Uem JF, et al. **Arch Gynecol** 1987;240(1):49-56
Primate in vitro fertilization research: preliminary results on the folliculogenic effects of three different ovulatory induction agents on the chacma baboon, Papio ursinus. Fourie FR, et al. **Comp Biochem Physiol [A]** 1987; 87(4):889-93
Short term treatments with prolactin, HMG or testosterone fail to affect testicular inhibin content in rats. Demura R, et al. **Endocrinol Jpn** 1987 Feb;34(1):139-43
Cumulative ovulation rate in human menopausal/human chorionic gonadotropin-treated monkeys: "step-up" versus "step-down" dose regimens.Abbasi R, et al. **Fertil Steril** 1987 Jun;47(6):1019-24
Ovarian hyperstimulation syndrome: prediction by number and size of preovulatory ovarian follicles. Blankstein J, et al. **Fertil Steril** 1987 Apr;47(4):597-602
Prevention of gonadotropin-releasing hormone antagonist induced luteal regression by concurrent exogenous pulsatile gonadotropin administration in monkeys. Collins RL, et al. **Fertil Steril** 1986 Nov;46(5):945-53
Comparison of human menopausal gonadotropin, clomiphene citrate, and combined human menopausal gonadotropin-clomiphene citrate stimulation protocols for in vitro fertilization. Diamond MP, et al. **Fertil Steril** 1986 Dec;46(6):1108-12
Serum progesterone levels in women treated with human menopausal gonadotropin and human chorionic gonadotropin for in vitro fertilization. Huang KE, et al. **Fertil Steril** 1986 Nov;46(5):903-6
The effect of leuprolide acetate on ovulation induction with human menopausal gonadotropins in polycystic ovary syndrome. Dodson WC, et al. **J Clin Endocrinol Metab** 1987 Jul;65(1):95-100
Oocyte maturity and human follicular fluid prostanoids, gonadotropins, and prolactin after administration of clomiphene and pergonal. Jeremy JY, et al.
J Clin Endocrinol Metab 1987 Sep;65(3):402-6
Ovulation induction with human menopausal gonadotropin compared to human urinary follicle-stimulating hormone results in a significant shift in follicular fluid androgen levels without discernible differences in granulosa-luteal cell function. Polan ML, et al.
J Clin Endocrinol Metab 1986 Dec;63(6):1284-91
Cholesterol and steroid levels in human follicular fluids of human menopausal gonadotropin-induced cycles for in vitro fertilization. Berger MA, et al.
J In Vitro Fert Embryo Transfer 1987 Feb;4(1):30-3
Superovulation of mice with human menopausal gonadotropin or pure follicle-stimulating hormone in combination with human chorionic gonadotropin and the effects of oocyte aging on in vitro fertilization. Edirisinghe WR, et al. **J In Vitro Fert Embryo Transfer** 1986 Oct; 3(5):314-8
Clinical aspects with regard to the occurrence of an endogenous luteinizing hormone surge in gonadotropin-induced normal menstrual cycles. Van Uem JF, et al. **J In Vitro Fert Embryo Transfer** 1986 Dec; 3(6):345-9
Endogenous luteinizing hormone release using human menopausal gonadotropins for in vitro fertilization. Vargyas JM, et al. **J In Vitro Fert Embryo Transfer** 1987 Apr;4(2):107-10
Oocyte maturation inhibitor activity in human follicular fluid: quantitative determination in unstimulated and clomiphene citrate- and human menopausal gonadotropin-stimulated ovarian cycles. Winer-Sorgen S, et al.
J In Vitro Fert Embryo Transfer 1986 Aug;3(4):218-23
Reproductive performance of female goats given progestagen associated with PMSG and/or HMG in deep anestrus. Cairoli F, et al. **Reprod Nutr Dev** 1987;27(1A):13-9

THERAPEUTIC USE

Improved pregnancy rate with monitoring of gonadotropin therapy by three modalities. March CM.
Am J Obstet Gynecol 1987 Jun;156(6):1473-9
Human chorionic gonadotropin reduces aromatizable androgens and aromatase activity in women stimulated by clomiphene citrate and human menopausal gonadotropin. Serafini P, et al. **Am J Obstet Gynecol** 1986 Dec; 155(6):1236-9
Successful treatment of infertility due to polycystic ovary disease using a combination of luteinising hormone releasing hormone agonist and low dosage menotrophin. Armitage M, et al. **Br Med J [Clin Res]** 1987 Jul 11; 295(6590):96
Testicular follicle stimulating hormone receptors and effectiveness of human menopausal gonadotrophin-human chorionic gonadotrophin treatment in infertile men. Namiki M, et al. **Clin Endocrinol (Oxf)** 1986 Nov;25(5):495-500
Luteinizing hormone bioactivity in human menopausal gonadotropin/human chorionic gonadotropin-induced cycles. Abuzeid MI, et al. **Fertil Steril** 1987 Feb; 47(2):238-43
Differences in ovarian stimulation in human menopausal gonadotropin treated woman may be related to follicle-stimulating hormone accumulation [published erratum appears in Fertil Steril 1987 Feb;47(2):365] Ben-Rafael Z, et al. **Fertil Steril** 1986 Oct;46(4):586-92
Changes in serum sex hormone-binding globulin, free estradiol, and testosterone during gonadotropin treatment. Ben-Rafael Z, et al. **Fertil Steril** 1986 Oct;46(4):593-8
Relationships between polypronuclear fertilization and follicular fluid hormones in gonadotropin-treated women. Ben-Rafael Z, et al. **Fertil Steril** 1987 Feb;47(2):284-8
Influence of weight in the induction of ovulation with human menopausal gonadotropin and human chorionic gonadotropin. Chong AP, et al. **Fertil Steril** 1986 Oct; 46(4):599-603
Treatment-independent, treatment-associated, and pregnancies after additional therapy in a program of in vitro fertilization and embryo transfer. Haney AF, et al.

Fertil Steril 1987 Apr;47(4):634–8

FSH accumulation in hMG–treated patients [letter] Jacobson A, et al. **Fertil Steril** 1987 Sep;48(3):513–4

Estrone–3–glucuronide chemiluminescence immunoassay: an alternative method for monitoring induction of ovulation with human menopausal gonadotropin in an in vitro fertilization program. Lessing JB, et al. **Fertil Steril** 1987 Sep;48(3):450–3

Pregnancy induced with menotropins in a woman with polycystic ovaries, endometrial hyperplasia, and adenocarcinoma. Muechler EK, et al. **Fertil Steril** 1986 Nov;46(5):973–5

Periovulatory 17 beta–estradiol pattern in conceptional and nonconceptional cycles during menotropin treatment of anovulatory infertility. Navot D, et al. **Fertil Steril** 1987 Feb;47(2):234–7

Induction of fertility in a man with hypogonadotropic hypogonadism with very low seminal volume. Tulandi T, et al. **Fertil Steril** 1986 Oct;46(4):730–3

Results of planned in–vitro fertilization programming through the pre–administration of the oestrogen–progesterone combined pill. Cohen J, et al. **Hum Reprod** 1987 Jan;2(1):7–9

Prednisolone supplementation to Clomid and/or gonadotrophin stimulation for in–vitro fertilization—a prospective randomized trial. Kemeter P, et al. **Hum Reprod** 1986 Nov;1(7):441–4

Management of failed cycles in an IVF/GIFT programme with the combination of a GnRH analogue and HMG. Smitz J, et al. **Hum Reprod** 1987 May;2(4):309–14

Further data on the usefulness of combined high–dose estrogen and human menopausal gonadotropins for cervical factor. Balasch J, et al. **Int J Fertil** 1986 Sep–Oct;31(4):263, 267, 271

Results of human menopausal gonadotropin therapy at the Boston Hospital for Women (1979–1981). Jones KP, et al. **Int J Fertil** 1987 Mar–Apr;32(2):131–4

The combined use of human menopausal gonadotropin and Parlodel (bromocriptine) for in vitro fertilization. Margalioth EJ, et al. **Int J Fertil** 1986 Sep–Oct;31(4):278, 282–3

Ovulation induction by human menopausal gonadotropin with ultrasonic monitoring of the ovarian follicles. Tulandi T, et al. **Int J Fertil** 1987 Jul–Aug;32(4):312–5

Induction of ovulation in polycystic ovary: human menopausal gonadotropin or human urinary follicle stimulating hormone? Venturoli S, et al. **Int J Fertil** 1987 Jan–Feb;32(1):66–70

The additional use of buserelin in HMG–HCG ovulation induction in PCO: a double blind controlled study. Hompes PG, et al. **Prog Clin Biol Res** 1986;225:391–9

HCG and HMG treatment of male infertility with pituitary problems. Usui T, et al. **Urology** 1987 Jan;29(1):50–3

[Stimulation of ovarian function with gonadotropins following suppression of endogenous gonadotropin secretion by long–term infusion of the LHRH analog buserelin] Geisthövel F, et al. **Geburtshilfe Frauenheilkd** 1987 Apr;47(4):240–5 (Eng. Abstr.) **(Ger)**

[Steroid profiles in patients with amenorrhea during induction of ovulation with HMG] Hidaka T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr;39(4):663–9 (Eng. Abstr.) **(Jpn)**

[Gonadotropin treatment of infertile women] Abyholm T, et al. **Tidsskr Nor Laegeforen** 1986 Nov 20;106(32):2724–7 (Eng. Abstr.) **(Nor)**

URINE

Comparison of urinary human follicle–stimulating hormone and human menopausal gonadotropins for ovarian stimulation in an in vitro fertilization program. Scoccia B, et al. **Fertil Steril** 1987 Sep;48(3):446–9

MENSTRUAL CYCLE

The menstrual cycle in women following surgery for intracranial tumours. Cepický P, et al. **Act Nerv Super (Praha)** 1986 Dec;28(4):270–2

Cellular composition of cervical smears in relation to the day of the menstrual cycle and the method of contraception. Vooijs GP, et al. **Acta Cytol** 1987 Jul–Aug; 31(4):417–26

The presence of endometrial cells in cervical smears in relation to the day of the menstrual cycle and the method of contraception. Vooijs GP, et al. **Acta Cytol** 1987 Jul–Aug;31(4):427–33

Cellular changes in the mammary gland epithelium during the menstrual cycle. A computer image analysis study. Malberger E, et al. **Acta Cytol (Baltimore)** 1987 May–Jun; 31(3):305–8

Dating of the endometrium by microhysteroscopy. van Herendael BJ, et al. **Acta Eur Fertil** 1986 Nov–Dec; 17(6):451–2

Some aspects of hormonal regulation of the menstrual cycle. A review. Fanchenko ND. **Acta Med Hung** 1986; 43(2):83–91

Differences in pituitary trophormone release between menstruating and non–menstruating acromegalic women. Góth M, et al. **Acta Med Hung** 1986;43(3):265–73

Determination by ultrafiltration of the fraction of unbound estradiol and its variation in peritoneal fluid during the menstrual cycle. Lin YT, et al. **Acta Med Okayama** 1987 Feb;41(1):1–9

Endogenous overnight creatinine clearance, serum beta 2–microglobulin and serum water during the menstrual cycle. Paaby P, et al. **Acta Med Scand** 1987;221(2):191–7

Comparison of intramenstrual IUD insertion with insertion following menstrual regulation. Otolorin EO, et al. **Adv Contracept** 1985 Mar;1(1):45–9

Acute alcohol intoxication in women: relationship to dose and menstrual cycle phase. Sutker PB, et al. **Alcoholism (NY)** 1987 Feb;11(1):74–9

24–hour energy expenditure and the menstrual cycle. Webb P. **Am J Clin Nutr** 1986 Nov;44(5):614–9

Dizygotic twinning, cycle day of insemination, and erotic potential of Orthodox Jews. James WH. **Am J Hum Genet** 1986 Oct;39(4):542–4

Commencement of normal menstrual cycles after 17 years in a patient with Sheehan's syndrome [letter] Colakoğlu M, et al. **Am J Med** 1987 Mar;82(3):578

A monoclonal antibody to a cell surface determinant in human endometrial epithelium: stage–specific expression in the menstrual cycle. Aplin JD, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):250–3

Influence of the menstrual cycle on glucose tolerance and insulin secretion. Bonora E, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):140–1

Endometrial blood flow measured by xenon 133 clearance in women with normal menstrual cycles and dysfunctional uterine bleeding. Fraser IS, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):158–66

Transcapillary fluid dynamics during the menstrual cycle. Oian P, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):952–5

Proopiomelanocortin–related peptides and methionine enkephalin in human follicular fluid: changes during the menstrual cycle. Petraglia F, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):142–6

Ovarian stromal and luteal tissue prostaglandins, 17 beta–estradiol, and progesterone in relation to the phases of the menstrual cycle in women. Vijayakumar R, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):947–51

Effects of energy deprivation on sex hormone patterns in healthy menstruating women. Kurzer MS, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):E483–8

Menstrual cycle and sensitivity of human fallopian tube to prostaglandins. Nozaki M, et al. **Am J Physiol** 1986 Dec; 251(6 Pt 2):R1126–36

Airway responsiveness to methacholine during the natural menstrual cycle and the effect of oral contraceptives. Juniper EF, et al. **Am Rev Respir Dis** 1987 May; 135(5):1039–42

Respiratory activity of genioglossus. Interaction between alcohol and the menstrual cycle. Leiter JC, et al. **Am Rev Respir Dis** 1987 Feb;135(2):383–6

Postcoital catamenial pneumothorax. Report of a case not associated with endometriosis and successfully treated with tubal ligation. Müller NL, et al. **Am Rev Respir Dis** 1986 Oct;134(4):803–4

Human endometrial antioestrogen–binding protein: characterization and levels during the menstrual cycle. Kon OL. **Ann Clin Res** 1986;18(4):211–5

Isolation of the human immunodeficiency virus from cervical secretions during menses [letter] Blaser MJ. **Ann Intern Med** 1987 Jun;106(6):912

Isolation patterns of the human immunodeficiency virus from cervical secretions during the menstrual cycle of women at risk for the acquired immunodeficiency syndrome. Vogt MW, et al. **Ann Intern Med** 1987 Mar;106(3):380–2

Preovulatory serum gonadotropin levels in hMG stimulated menstrual cycles in pregnant and nonpregnant patients. van Uem JF, et al. **Arch Gynecol** 1987;240(1):49–56

Effect of the menstrual cycle on the auditory brainstem response. Fagan PL, et al. **Audiology** 1986;25(6):321–8

Contributions of in vitro fertilization to knowledge of the reproductive endocrinology of the menstrual cycle. Healy DL, et al. **Baillieres Clin Endocrinol Metab** 1987 Feb; 1(1):133–52 (74 ref.)

The relationship between menstrual cycle changes in nervous system activity and psychological, behavioural and physical variables. Asso D. **Biol Psychol** 1986 Aug;23(1):53–64

Relationships between ovarian morphology, vaginal cytology, serum progesterone, and urinary immunoreactive pregnanediol during the menstrual cycle of the cynomolgus monkey. Mehta RR, et al. **Biol Reprod** 1986 Nov; 35(4):981–6

Ultrasonographic assessment of the endometrium in rhesus monkeys during the normal menstrual cycle. Morgan PM, et al. **Biol Reprod** 1987 Mar;36(2):463–9

The beta–geometric distribution applied to comparative fecundability studies. Weinberg CR, et al. **Biometrics** 1986 Sep;42(3):547–60

The effects of moderate physical activity on menstrual cycle patterns in adolescence: implications for breast cancer prevention. Bernstein L, et al. **Br J Cancer** 1987 Jun; 55(6):681–5

Salivary paracetamol elimination kinetics during the menstrual cycle. Somaja L, et al. **Br J Clin Pharmacol** 1987 Mar;23(3):348–50

Serum gonadotrophin and sex steroid hormone levels during mid–follicular and mid–luteal phases in hyperprolactinaemic women with regular menstrual cycles. Nakano R. **Br J Obstet Gynaecol** 1987 Feb;94(2):142–6

An immunohistochemical study of steroid binding by endometrial glandular epithelial cells throughout the menstrual cycle. Sivridis E, et al. **Br J Obstet Gynaecol** 1987 Jul;94(7):687–91

Exercise–induced changes in urinary water and mineral output during the menstrual cycle. Prashad DN, et al. **Br J Sports Med** 1987 Mar;21(1):9–12

The effect of endogenous estrogen fluctuation on metabolism of 25–hydroxyvitamin D. Buchanan JR, et al. **Calcif Tissue Int** 1986 Sep;39(3):139–44

Basal, oxytocin–, and insulin–stimulated glucose oxidation in human endometrium. Truchan B, et al. **Can J Physiol Pharmacol** 1987 Mar;65(3):323–7

Pronounced increases in the concentration of an ovarian tumor marker, CA–125, in serum of a healthy subject during menstruation. Mastropaolo W, et al. **Clin Chem** 1986 Nov;32(11):2110–1

Menstrual migraine: differential diagnosis, evaluation, and treatment. Digre K, et al. **Clin Obstet Gynecol** 1987 Jun; 30(2):417–30 (77 ref.)

Serum nickel concentration in normal menstrual cycle and after combined contraceptive pill. Nayel S, et al. **Contraception** 1986 Oct;34(4):395–401

Prostaglandins in the menstrual cycle of women. A review. Jensen DV, et al. **Dan Med Bull** 1987 Jun;34(3):178–82 (41 ref.)

The cytology of the normal cyclic endometrium. Coscia–Porrazzi LO, et al. **Diagn Cytopathol** 1986 Sep; 2(3):198–203

Effect of the menstrual cycle on gastric emptying. Gill RC, et al. **Digestion** 1987;36(3):168–74

Marihuana use across the menstrual cycle. Griffin ML, et al. **Drug Alcohol Depend** 1986 Oct;18(2):213–24

Reevaluation of immunoreactive gonadotropin–releasing hormone (GnRH) levels in general circulation in women: changes in levels and episodic patterns before, during and after gonadotropin surges. Araki S, et al. **Endocrinol Jpn** 1986 Aug;33(4):457–68

Changes in free progesterone in the serum, peritoneal fluid and follicular fluid through the menstrual cycle and pregnancy. Shintani K, et al. **Endocrinol Jpn** 1987 Apr; 34(2):221–30

Effects of different gonadotropin pulse frequencies on corpus luteum function during the menstrual cycle of rhesus monkeys. Hutchison JS, et al. **Endocrinology** 1986 Nov; 119(5):1964–71

Levels of estrogen and progesterone receptor in human endometrium during the menstrual cycle. Barile G, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Aug;9(4):243–6

Localization of immunoglobulin–containing cells in human endometrium in the first trimester of pregnancy and throughout the menstrual cycle. Bulmer JN, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Oct;23(1–2):31–44

The variation of the mean spinability of human cervical mucus throughout the various stages of reproductive life. Automatic measurement and statistical study. Chretien FC, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Oct; 9(5):289–97

Tubal and uterine motility in vivo in the rhesus monkey. Neri A, et al. **Eur J Obstet Gynecol Reprod Biol** 1976; 6(3):93–101

Follicular growth in relation to serum hormonal patterns in adolescent compared with adult menstrual cycles. Apter D, et al. **Fertil Steril** 1987 Jan;47(1):82–8

Endometrial morphology and peripheral hormone levels in women with regular menstrual cycles. Johannisson E, et al. **Fertil Steril** 1987 Sep;48(3):401–8

Dieting influences the menstrual cycle: vegetarian versus nonvegetarian diet. Pirke KM, et al. **Fertil Steril** 1986 Dec; 46(6):1083–8

Cul–de–sac fluid in women with endometriosis: fluid volume, protein and prostanoid concentration during the periovulatory period—days 13 to 18. Rezai N, et al. **Fertil Steril** 1987 Jul;48(1):29–32

The midcycle cervical microbial flora as studied by the weighed–swab method, and its possible correlation with results of sperm cervical mucus penetration tests. Tan SL, et al. **Fertil Steril** 1987 Jun;47(6):941–6

Characteristics of ovarian follicles in spontaneous and stimulated cycles in which there was an endogenous luteinizing hormone surge. Templeton A, et al. **Fertil Steril** 1986 Dec;46(6):1113–7

Postmenarchal evolution of endocrine pattern and ovarian aspects in adolescents with menstrual irregularities. Venturoli S, et al. **Fertil Steril** 1987 Jul;48(1):78–85

Pattern of plasma opioids in menstrually–related migraine and epilepsy. Facchinetti F, et al. **Funct Neurol** 1986 Oct–Dec;1(4):415–9

Neuroendocrine evaluation in catamenial epilepsy. Murri L, et al. **Funct Neurol** 1986 Oct–Dec;1(4):399–403

Quantitation of human cervical mucin during consecutive days and hourly during one day at midcycle. Fleetwood L, et al. **Gynecol Obstet Invest** 1986;22(3):145–52

Prolactinemia during the menstrual cycle. A possible role for prolactin in the regulation of ovarian function. Parsini F, et al. **Gynecol Obstet Invest** 1987;23(3):172–6

Human axillary secretions influence women's menstrual cycles: the role of donor extract from men. Cutler WB, et al. **Horm Behav** 1986 Dec;20(4):463–73

Human axillary secretions influence women's menstrual cycles: the role of donor extract of females. Preti G, et al. **Horm Behav** 1986 Dec;20(4):474–82

A study of dietary intake in pre– and post–menstrual period. Manocha S, et al. **Hum Nutr Appl Nutr** 1986 Jun; 40(3):213–6

Vitamin B6 status of women suffering from premenstrual syndrome. van den Berg H, et al. **Hum Nutr Clin Nutr** 1986 Nov;40(6):441–50

Sexual behaviour during ovarian cycles, pregnancy and lactation in group-living stumptail macaques (Macaca arctoides). Nieuwenhuijsen K, et al. **Hum Reprod** 1986 Apr; 1(3):159–69

Circulating levels of immunoreactive insulin-like growth factor-binding protein in non-pregnant women. Suikkari AM, et al. **Hum Reprod** 1987 May;2(4):297–300

Steroid levels in ovarian follicular fluid related to follicle size and health status during the normal menstrual cycle in women. Westergaard L, et al. **Hum Reprod** 1986 Jun; 1(4):227–32

Pregnancy rate in relation to number of cleaved eggs replaced after in-vitro fertilization in stimulated cycles monitored by serum levels of oestradiol and progesterone as sole index. Wramsby H, et al. **Hum Reprod** 1987 May; 2(4):325–8

The expression of class II MHC gene products by fallopian tube epithelium in pregnancy and throughout the menstrual cycle. Bulmer JN, et al. **Immunology** 1987 Jun;61(2):207–13

Urinary bradykininase activity during normal menstrual cycle. Milanian I, et al. **Indian J Med Res** 1987 Apr; 85:467–70

Increased incidence of menstruation-associated bactericidal defects in neutrophils from women who have recovered from toxic shock syndrome. Berger EM, et al. **Inflammation** 1986 Dec;10(4):471–80

Minor psychiatric morbidity and menstruation. Scambler G, et al. **Int J Soc Psychiatry** 1986 Autumn;32(3):9–15

The effect of sodium meclofenamate in premenstrual asthma: a controlled clinical trial. Eliasson O, et al. **J Allergy Clin Immunol** 1987 Jun;79(6):909–18

Menstrual cycle and food cravings in young college women. Tomelleri R, et al. **J Am Diet Assoc** 1987 Mar;87(3):311–5

Menstrual cycle phase dissociation of blood glucose homeostasis during exercise. Lavoie JM, et al. **J Appl Physiol** 1987 Mar;62(3):1084–9

Serum 13-14-diOH-15-keto-prostaglandin F2 alpha and airway response to meclofenamate and metaproterenol in relation to the menstrual cycle. Eliasson O, et al. **J Asthma** 1986;23(6):309–19

Suckling patterns and post-partum amenorrhea in Bangladesh. Huffman SL, et al. **J Biosoc Sci** 1987 Apr; 19(2):171–9

Monitoring the menstrual cycle of humans and lowland gorillas based on urinary profiles of bioactive follicle-stimulating hormone and steroid metabolites. Dahl KD, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):486–93

Sequential changes in plasma luteinizing hormone and plasma prorenin during the menstrual cycle. Sealey JE, et al. **J Clin Endocrinol Metab** 1987 Jul;65(1):1–5

Insulin action does not change during the menstrual cycle in normal women. Toth EL, et al. **J Clin Endocrinol Metab** 1987 Jan;64(1):74–80

Effect of menstrual cycle phase on plasma lipids. Woods M, et al. **J Clin Endocrinol Metab** 1987 Aug;65(2):321–3

Transverse relaxation time values in MR imaging of normal breast during menstrual cycle. Martin B, et al. **J Comput Assist Tomogr** 1986 Nov-Dec;10(6):924–7

Reproduction in the vervet monkey (Cercopithecus aethiops): endometrial oestrogen and progestin receptor dynamics during normal and prolonged menstrual cycles. Kudolo GB, et al. **J Endocrinol** 1986 Sep;110(3):429–39

Levels of oxytocin-like activity and progesterone in follicular fluid from in vitro fertilization cycles. Peek JC, et al. **J In Vitro Fert Embryo Transfer** 1987 Apr;4(2):103–6

Platelet alpha 2-adrenoceptor binding and function during the menstrual cycle. Theodorou AE, et al. **J Psychiatr Res** 1987;21(2):163–9

Female sexual behavior: fluctuations during the menstrual cycle. Harvey SM. **J Psychosom Res** 1987;31(1):101–10

Concentrations of steroid hormones, and of prolactin, in washings of the human uterus during the menstrual cycle. Stone BA, et al. **J Reprod Fertil** 1986 Sep;78(1):21–5

Mood disorders and the menstrual cycle. Rubinow DR, et al. **J Reprod Med** 1987 Jun;32(6):389–94 (51 ref.)

Functional assessment and symptoms of rheumatoid arthritis in relation to menstrual cycle phase [letter] Goldstein R, et al. **J Rheumatol** 1987 Apr;14(2):393–7

The effect of menstrual cycle on blood alcohol levels and behavior. Brick J, et al. **J Stud Alcohol** 1986 Nov; 47(6):472–7

Suicide attempts in hypo-oestrogenic phases of the menstrual cycle [published erratum appears in Lancet 1987 Jan 17;1(8525):176] Fourestié V, et al. **Lancet** 1986 Dec 13; 2(8520):1357–60

Suicide attempts and the menstrual cycle [letter] Magos A, et al. **Lancet** 1987 Jan 24;1(8526):217–8

Menstrual cycle and exercise effects on protein catabolism. Lamont LS, et al. **Med Sci Sports Exerc** 1987 Apr; 19(2):106–10

Vaginal mycoses during the menstrual cycle. Pelzer A. **Mykosen [Suppl]** 1978;1:271–3

Prolactin-releasing action of a low dose of exogenous gonadotropin-releasing hormone throughout the human menstrual cycle. Mais V, et al. **Neuroendocrinology** 1986; 44(3):326–30

Corticosteroid circadian rhythms in female hamadryas baboons under prolonged hypokinesia. Goncharov NP, et al. **Neurosci Behav Physiol** 1986 Jul-Aug;16(4):301–5

Effect of luliberin on the secretion of the luteinizing hormone depending on the phase of the menstrual cycle in intact and castrated female Papio hamadryas. Todua TN, et al. **Neurosci Behav Physiol** 1987 Mar-Apr;17(2):176–9

Gap junction formation in the human uterine muscle cell of the corpus and cervix during the menstrual cycle and pregnancy. Saito Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan;39(1):135–40

Relationship between percent body fat and menstrual patterns in athletes and nonathletes. Ouellette MD, et al. **Nurs Res** 1986 Nov-Dec;35(6):330–3

Energy expenditure during the menstrual cycle. **Nutr Rev** 1987 Apr;45(4):102–3

Effect of menstrual cycle on protein expression in human uterine leiomyomas. Shek YH, et al. **Obstet Gynecol** 1987 Jul;70(1):128–33

Gonadotropin binding sites in human ovarian follicles and corpora lutea during the menstrual cycle. Shima K, et al. **Obstet Gynecol** 1987 May;69(5):800–6

Cyclic changes of peritoneal fluid parameters in normal and infertile patients. Syrop CH, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):416–8

Effects of menstrual cycle on spatial information-processes. Ho HZ, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 2):743–51

Preliminary findings suggesting cyclic changes in visual contrast sensitivity during the menstrual cycle. Johnson N, et al. **Percept Mot Skills** 1987 Apr;64(2):587–94

Pain responsivity in women with premenstrual syndrome across the menstrual cycle. Kuczmierczyk AR, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):387–93

Opiatergic inhibition of pulsatile luteinizing hormone release during the menstrual cycle of rhesus macaques. Orstead KM, et al. **Proc Soc Exp Biol Med** 1987 Mar;184(3):312–9

Circatrigintan rectal temperature and endocrine rhythms of clinically healthy, menstrually cycling women. Carandente F, et al. **Prog Clin Biol Res** 1987;227B:533–48

Hypothalamic control of gonadotropin secretion in the human menstrual cycle. Filicori M, et al. **Prog Clin Biol Res** 1986;225:55–74 (37 ref.)

The concentrations of prostaglandins in endometrium during the menstrual cycle in women with measured menstrual blood loss. Lumsden MA, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2-3):217–27

The effects of menstrual cycle phase on cardiovascular and pulmonary responses to behavioral and exercise stress. Stoney CM, et al. **Psychophysiology** 1986 Jul;23(4):393–402

Effects of expectancies on women's reports of moods during the menstrual cycle. Olasov B, et al. **Psychosom Med** 1987 Jan-Feb;49(1):65–78

[Morphometric analysis of the endometrium in the proliferative phase] Zhu PD, et al. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Sep;21(5):302–3, 319 (Eng. Abstr.) **(Chi)**

[Echographic studies of the thickness of the endometrium during spontaneous and induced cycles: its application to in-vitro fertilization] Cornet D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(5):621–5 (Eng. Abstr.) **(Fre)**

[Endocrine parameters of the menstrual cycle in a Cameroon woman] Manguelle-Dicoum Biyong MA. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(4):451–7 (Eng. Abstr.) **(Fre)**

[Neopterin variations during the menstrual cycle] Haas R, et al. **Allerg Immunol (Leipz)** 1986;32(3):169–73 (Eng. Abstr.) **(Ger)**

[Determining infertile days in the female cycle. Initial test results of technical aids for methods of natural family planning] Döring GK, et al. **Fortschr Med** 1986 Dec 11; 104(46):941–2 **(Ger)**

[Significance of progesterone production in regulating the menstrual cycle] Kayser W, et al. **Geburtshilfe Frauenheilkd** 1987 Feb;47(2):101–3 (Eng. Abstr.) **(Ger)**

[Control of the menstrual cycle] Haller U. **Gynakol Rundsch** 1986;26 Suppl 1:1–6 **(Ger)**

[Neuroendocrinology of the menstrual cycle] Huber JC. **Gynakol Rundsch** 1986;26 Suppl 2:161–4 **(Ger)**

[Neuroendocrine control of the female menstrual cycle] Huber JC. **Gynakol Rundsch** 1987;27 Suppl 1:16–28 (Eng. Abstr.) **(Ger)**

[Regulation of gonadotropin fluctuation by beta-endorphin] Schurz B. **Gynakol Rundsch** 1987;27 Suppl 1:29–37 (Eng. Abstr.) **(Ger)**

[Role of pulsatile liberation of gonadotropins in the development of amenorrhea] Hámori M, et al. **Zentralbl Gynakol** 1987;109(12):783–7 (Eng. Abstr.) **(Ger)**

[Determination of peripheral T-lymphocytes and the essential phases of the ovarian cycle] Cipolla C, et al. **Boll Ist Sieroter Milan** 1987;66(1):86–8 **(Ita)**

[Ultrasonographic monitoring of stimulated ovarian cycles in patients undergoing in vitro fertilization by embryo transfer] Maruotti G, et al. **Minerva Ginecol** 1987 Mar; 39(3):177–80 (Eng. Abstr.) **(Ita)**

[Headache and reproductive life] Martignoni E, et al. **Minerva Med** 1987 Jul 31;78(14):967–70 **(Ita)**

[Role of blood platelet aggregation in menstrual migraine] Massobrio M, et al. **Minerva Med** 1987 Jul 31;78(14):1065–8 **(Ita)**

[Interrelation between menopausal age and frequency of ovulatory cycles in life] Kikuchi T. **Hokkaido Igaku Zasshi** 1987 May;62(3):469–75 (Eng. Abstr.) **(Jpn)**

[A case of recurrent brain stem insufficiency associated with the menstrual cycle] Wender M. **Neurol Neurochir Pol** 1986 Jul-Aug;20(4):374–6 (Eng. Abstr.) **(Pol)**

[Changes in external respiratory function in women of childbearing age during the menstrual cycle] Lutsenko MT, et al. **Akush Ginekol (Mosk)** 1987 May;(5):25–7 (Eng. Abstr.) **(Rus)**

[Function of the hypophyseal-ovarian and thyroid systems in the dynamics of the menstrual cycle] Sadykova MSh, et al. **Akush Ginekol (Mosk)** 1987 Mar;(3):36–9 (Eng. Abstr.) **(Rus)**

[Current theories on the neuroendocrine control of menstrual cycle] Speranskaia NV, et al. **Akush Ginekol (Mosk)** 1987 May;(5):12–7 (50 ref.) **(Rus)**

[Effect of the ovarian cycle on indices of autonomic activity and central hemodynamics in healthy women] Veber VR, et al. **Fiziol Cheloveka** 1987 May-Jun;13(3):469–72 **(Rus)**

[Plasma levels of sex hormones and their receptors in the endometrium of women with normal menstrual cycle] Asribekova MK, et al. **Probl Endokrinol (Mosk)** 1986 Nov-Dec;32(6):30–3 (Eng. Abstr.) **(Rus)**

[Prostaglandin and cAMP levels in the endometrium of women with a normal menstrual cycle] Goncharova VN, et al. **Probl Endokrinol (Mosk)** 1987 Jan-Feb;33(1):29–32 (Eng. Abstr.) **(Rus)**

[Effect of luliberin on the secretion of luteinizing hormone as a function of the phase of menstrual cycle in intact and castrated female Papio hamadryas] Todua TN, et al. **Probl Endokrinol (Mosk)** 1986 Nov-Dec;32(6):49–52 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Estradiol medicated IUDs: release and influence on menstruation pattern. Kleinhout J, et al. **Adv Contracept** 1987 Mar;3(1):19–23

Does testosterone affect the normal menstrual cycle? Dewis P, et al. **Clin Endocrinol (Oxf)** 1986 May;24(5):515–21

Postponement of withdrawal bleeding in women using low-dose combined oral contraceptives. Hamerlynck JV, et al. **Contraception** 1987 Mar;35(3):199–205

Induction of menstruation by antiprogesterone ZK 98.299 in cycling bonnet monkeys. Puri CP, et al. **Contraception** 1987 Apr;35(4):409–21

Estrogen induces premature luteal regression in rhesus monkeys during spontaneous menstrual cycles, but not in cycles driven by exogenous gonadotropin-releasing hormone. Hutchison JS, et al. **Endocrinology** 1987 Aug; 121(2):466–74

Is the decrease in the hypophysiotropic signal frequency normally observed during the luteal phase important for menstrual cyclicity in the primate? Lam NY, et al. **Endocrinology** 1987 May;120(5):2044–9

Luteinizing hormone bioactivity in human menopausal gonadotropin/human chorionic gonadotropin-induced cycles. Abuzeid MI, et al. **Fertil Steril** 1987 Feb; 47(2):238–43

Periovulatory 17 beta-estradiol pattern in conceptional and nonconceptional cycles during menotropin treatment of anovulatory infertility. Navot D, et al. **Fertil Steril** 1987 Feb;47(2):234–7

Therapy-related ovarian dysfunction in women treated for Hodgkin's disease. Morra E, et al. **Haematologica (Pavia)** 1986 May-Jun;71(3):209–15

Norethisterone treatment to control timing of the IVF cycle. Wardle PG, et al. **Hum Reprod** 1986 Nov;1(7):455–7

Blockade of the spontaneous midcycle gonadotropin surge in monkeys by RU 486: a progesterone antagonist or agonist? Collins RL, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1270–6

Dose-related prolactin inhibitory effect of the new long-acting dopamine receptor agonist cabergoline in normal cycling, puerperal, and hyperprolactinemic women. Melis GB, et al. **J Clin Endocrinol Metab** 1987 Sep; 65(3):541–5

Never on a Sunday: programming for IVF-ET and GIFT [letter] Zorn JR, et al. **Lancet** 1987 Feb 14;1(8529):385–6

The hormonal and morphological events of stimulated cycles in an in vitro fertilisation programme. van der Merwe JV, et al. **S Afr Med J** 1987 Feb 21;71(4):227–31

[Biological testing of methenmadinone acetate (Superlutin Spofa) in clinical trials] Dvořák K, et al. **Cesk Gynekol** 1986 Nov;51(9):714–9 (Eng. Abstr.) **(Cze)**

[The menstrual cycle after hormonal growth inhibition in girls] Kaiser R, et al. **Geburtshilfe Frauenheilkd** 1987 Jun; 47(6):410–3 (Eng. Abstr.) **(Ger)**

MENSTRUAL CYCLE, FOLLICULAR PHASE see **FOLLICULAR PHASE**

MENSTRUAL CYCLE, LUTEAL PHASE see **LUTEAL PHASE**

MENSTRUAL PROLIFERATIVE PHASE see **MENSTRUAL CYCLE**

MENSTRUAL SECRETORY PHASE see **MENSTRUAL CYCLE**

MENSTRUATION

Urinary unconjugated cortisol in normally menstruating

women and during estrogen–gestagen treatment. Felding C, et al. **Acta Obstet Gynecol Scand** 1986;65(6):547–50

Does a gradually decreasing menstrual blood loss (MBL) in women wearing a Cu-IUD indicate a risk for an accidental pregnancy? Larsson B, et al. **Adv Contracept** 1987 Mar; 3(1):77–80

Serum CA-125 antigen levels increase during menses. Pittaway DE, et al. **Am J Obstet Gynecol** 1987 Jan; 156(1):75–6

A prospective study to compare serum human placental lactogen and menstrual dates for determining gestational age. Whittaker PG, et al. **Am J Obstet Gynecol** 1987 Jan; 156(1):178–82

The immunocytochemical distribution of leukocytic subpopulations in human endometrium. Kamat BR, et al. **Am J Pathol** 1987 Apr;127(1):66–73

Implantation, menstruation and inflammation. Finn CA. **Biol Rev Cambridge Philosophic Soc** 1986 Nov;61(4):313–28 (121 ref.)

Frequency, sequence, and side of ovulation in women menstruating normally. Potashnik G, et al. **Br Med J** 1987 Jan 24;294(6566):219

Catamenial pneumomediastinum. Shahar J, et al. **Chest** 1986 Nov;90(5):776–7

Breast stimulation in cycling women, pregnant women and a woman with induced lactation: pattern of release of oxytocin, prolactin and luteinizing hormone. Amico JA, et al. **Clin Endocrinol (Oxf)** 1986 Aug;25(2):97–106

Menstrual blood loss, haemoglobin and ferritin concentration of Beijing women wearing steel ring, VCu 200, and TCu 220c IUDs. Gao J, et al. **Contraception** 1986 Dec; 34(6):559–71

Immunocytochemical localization of estrogen receptors in the macaque endometrium during the luteal-follicular transition. McClellan M, et al. **Endocrinology** 1986 Dec; 119(6):2467–75

The fibrinolytic enzyme system in normal menstruation and excessive uterine bleeding and the effect of tranexamic acid. Dockeray CJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Apr;24(4):309–18

Recovery of reproductive function in patients with anorexia nervosa: a 10-year follow-up study. Kohmura H, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Sep;22(5–6):293–6

The alkaline hematin method for measuring menstrual blood loss—a modification and its clinical use in menorrhagia. van Eijkeren MA, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Sep;22(5–6):345–51

Nutritional intakes and status of highly trained amenorrheic and eumenorrheic women runners. Deuster PA, et al. **Fertil Steril** 1986 Oct;46(4):636–43

Spontaneous return of menstruation in hypothalamic amenorrhea following gonadotropin-releasing hormone-induced pregnancy. Lewinthal D, et al. **Fertil Steril** 1987 May;47(5):870–1

Lysine-vasopressin does not affect basal and LH-RH-stimulated LH and FSH release during the menstrual cycle of normal women. Chiodera P, et al. **Gynecol Obstet Invest** 1987;24(1):56–61

Human endometrium and menstrual fluid contain placental protein 5 (PP5). Bützow R, et al. **Hum Reprod** 1986 Aug; 1(5):287–9

Increased incidence of menstruation-associated bactericidal defects in neutrophils from women who have recovered from toxic shock syndrome. Berger EM, et al. **Inflammation** 1986 Dec;10(4):471–80

Cytoplasmic and nuclear progesterone receptors in human fallopian tube and their relationship to plasma steroids during the menstrual cycle. Helm G, et al. **Int J Fertil** 1987 Mar-Apr;32(2):162–6

Dietary determinants of the iron status in menstruating women. Soustre Y, et al. **Int J Vitam Nutr Res** 1986; 56(3):281–6

Absence of changes in airway responsiveness during the menstrual cycle. Weinmann GG, et al. **J Allergy Clin Immunol** 1987 Apr;79(4):634–8

Menstrual perceptions and preparation among female adolescents. Havens B, et al. **J Obstet Gynecol Neonatal Nurs** 1986 Sep-Oct;15(5):406–11

Menstruation problems in Nigerian students and sex education. Osujih M. **J R Soc Health** 1986 Dec; 106(6):219–21

Uterus didelphys with unilateral hematocolpos, ipsilateral renal agenesis and menses. A case report and literature review. Morgan MA, et al. **J Reprod Med** 1987 Jan; 32(1):47–58

Catamenial pneumothorax: case report and literature review. Gray R, et al. **J Thorac Imaging** 1987 Apr;2(2):72–5 (55 ref.)

Prostaglandins, menstruation, and menstrual disorders. Saeed SA, et al. **JPMA** 1986 May;36(5):120–6

Pulmonary endometriosis: treatment with danazol. Johnson WM 3d, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):506–7

Recurrent anaphylaxis in menstruating women: treatment with a luteinizing hormone-releasing hormone agonist—a preliminary report. Slater JE, et al. **Obstet Gynecol** 1987 Oct;70(4):542–6

Body composition and menstrual function in athletes. Sinning WE, et al. **Sports Med** 1987 Jan-Feb;4(1):34–45 (115 ref.)

[Catamenial pneumothorax] Hansen CL, et al. **Ugeskr Laeger** 1986 Aug 18;148(34):2162 (Eng. Abstr.) **(Dan)**

[Menstrual pattern and metabolic control in women 18 to 40-years old with diabetes mellitus] Matzen LE, et al. **Ugeskr Laeger** 1987 May 18;149(21):1383–6 (Eng. Abstr.) **(Dan)**

[2 cases of menstrual pneumothorax] Breton JL, et al. **Rev Mal Respir** 1986;3(4):219–21 (Eng. Abstr.) **(Fre)**

[German reconstruction and validation of the Menstrual Attitude Questionnaire] Strauss B, et al. **Psychother Psychosom Med Psychol** 1987 May;37(5):175–82 (Eng. Abstr.) **(Ger)**

[Present status of menstrual characteristics in college students] Mesaki N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Oct; 38(10):1799–802 **(Jpn)**

[Diagnosis of menstrual blood stains by the characteristics of the lactate dehydrogenase isoenzyme spectrum] Kharlamov SG, et al. **Sud Med Ekspert** 1986 Jul-Sep; 29(3):30–2 (Eng. Abstr.) **(Rus)**

[Current status and prospects in establishing the menstrual origin of blood in stains for material evidence] Zagriadskaia AF, et al. **Sud Med Ekspert** 1987 Jan-Mar;30(1):47–8 (24 ref.) **(Rus)**

[Complement activity in menstrual and venous blood] Gombolová A, et al. **Bratisl Lek Listy** 1987 Jun; 87(6):715–20 (Eng. Abstr.) **(Slo)**

[Influence of body weight on gonadotrophins and steroid hormone levels in menstruating women] Ortega E, et al. **Rev Esp Fisiol** 1986 Sep;42(3):395–9 (Eng. Abstr.) **(Spa)**

[Iron balance in the adolescent] Foradori A, et al. **Rev Med Chil** 1987 Jan;115(1):3–9 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Subjective perception of bleeding and serum ferritin concentration in long-term users of Norplant. Faundes A, et al. **Contraception** 1987 Feb;35(2):189–96

Clinical aspects with regard to the occurrence of an endogenous luteinizing hormone surge in gonadotropin-induced normal menstrual cycles. Van Uem JF, et al. **J In Vitro Fert Embryo Transfer** 1986 Dec; 3(6):345–9

Menstrual changes in a patient treated with etretinate [letter] Halkier-Sørensen L. **Lancet** 1987 Sep 12;2(8559):636

MENSTRUATION DISORDERS

Diagnostic and curative value of uterine curettage. Nickelsen C. **Acta Obstet Gynecol Scand** 1986;65(7):693–7

BLOOD

Endocrinologic features of oligomenorrheic adolescent girls. Siegberg R, et al. **Fertil Steril** 1986 Nov;46(5):852–7

Menstrual irregularities in adolescents: hormonal pattern and ovarian morphology. Venturoli S, et al. **Horm Res** 1986; 24(4):269–79

Familial cortisol resistance: differential diagnostic and therapeutic aspects. Lamberts SW, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1328–33

[Observations on the relationship between "kidney deficiency" and changes in gonadal function in women with amenorrhea and oligomenorrhea] Liao DL, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Oct;6(10):590–2, 580 (Eng. Abstr.) **(Chi)**

[The significance of blood androgen levels for the female genital cycle] Tabarelli M, et al. **Gynakol Rundsch** 1986; 26 Suppl 2:171–7 **(Ger)**

CHEMICALLY INDUCED

Menstrual changes associated with progestogen-only contraception. Fraser IS. **Acta Obstet Gynecol Scand [Suppl]** 1986;134:21–7

[Menstrual function of female workers chronically exposed to chemical industrial hazards] Angelov A. **Akush Ginekol (Sofiia)** 1987;26(3):51–5 (Eng. Abstr.) **(Bul)**

[Menstruation disorders (letter)] **Ned Tijdschr Geneeskd** 1987 Mar 14;131(11):461–2 **(Dut)**

COMPLICATIONS

Recurrent hemoperitoneum in women receiving continuous ambulatory peritoneal dialysis. Harnett JD, et al. **Ann Intern Med** 1987 Sep;107(3):341–3

Psychiatric disorder and gynaecological symptoms in middle age women [letter] Bell G, et al. **Br Med J [Clin Res]** 1987 Mar 14;294(6573):703–4

Endometriosis and mullerian anomalies. Olive DL, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):412–5

[Diagnosis and treatment of infertility in women with oligomenorrhea] Orlova VG, et al. **Sov Med** 1986;(9):115–7 **(Rus)**

DIAGNOSIS

The significance of luteal phase deficiency on fertility: a diagnostic and therapeutic approach [published erratum appears in Hum Reprod 1986 Nov;1(7):496] Balasch J, et al. **Hum Reprod** 1986 Apr;1(3):145–7

A sexist diagnosis [letter] Abraham S, et al. **Lancet** 1987 Apr 11;1(8537):858

Gynecological concerns in young and adolescent physically active girls. Shangold MM. **Pediatrician** 1986;13(1):10–3

[Recurrent menstruation-associated pneumothorax—catamenial pneumothorax] Knitza R, et al. **Geburtshilfe Frauenheilkd** 1987 Jan;47(1):57–60 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Improved pregnancy rate with monitoring of gonadotropin therapy by three modalities. March CM. **Am J Obstet Gynecol** 1987 Jun;156(6):1473–9

Long-term danazol treatment for an adolescent girl with aplastic anemia. Nakamura G, et al. **Asia Oceania J Obstet Gynaecol** 1986 Sep;12(3):365–70

The effect of oral contraceptives on hormone profiles of oligomenorrheic adolescent cycles. Siegberg R, et al. **Contraception** 1987 Jan;35(1):29–40

Effect of a combination of ethinylestradiol and desogestrel in adolescents with oligomenorrhea and ovarian hyperandrogenism. Nappi C, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jul;25(3):209–19

Intermittent progesterone therapy and frequency of complex partial seizures in women with menstrual disorders. Herzog AG. **Neurology** 1986 Dec;36(12):1607–10

Hormonal management of cycle disturbances. Shaw RW. **Prog Clin Biol Res** 1986;225:429–42 (40 ref.)

[Medroxyprogesterone-acetate in gynecologic endocrinology] Presl J. **Cesk Gynekol** 1987 Feb;52(1):60–4 **(Cze)**

[Pulsatory administration of gonadotropin-releasing hormone in hyperprolactinemic oligo- or amenorrhea] Koloszár S, et al. **Orv Hetil** 1987 Mar 8;128(10):521–3 (Eng. Abstr.) **(Hun)**

EMBRYOLOGY

[Unilateral menstrual retention with renal homolateral agenesis (apropos of 6 cases)] Chelli H, et al. **Tunis Med** 1986 Aug-Sep;64(8–9):715–20 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Obstetric implications of minor müllerian anomalies in oligomenorrheic women. Sørensen SS, et al. **Am J Obstet Gynecol** 1987 May;156(5):1112–8

Luteal phase dysfunction in endometriosis: elevated progesterone levels in peripheral and ovarian veins during the follicular phase. Ayers JW, et al. **Fertil Steril** 1987 Jun; 47(6):925–9

The benefits and reproductive risks of exercise to women. Meeks GR. **J Fla Med Assoc** 1986 Aug;73(8):604–6

The influence of selected variables on the experience of menstrual distress in alcoholic and nonalcoholic women. Shelley S, et al. **J Obstet Gynecol Neonatal Nurs** 1986 Nov-Dec;15(6):484–91

Vesicouterine fistula with menouria: a complication from an intrauterine contraceptive device. Schwartzwald D, et al. **J Urol** 1986 Nov;136(5):1066–7

Menstrual disorders in the adolescent age group. Kustin J, et al. **Primary Care** 1987 Mar;14(1):139–66 (42 ref.)

Body composition and menstrual function in athletes. Sinning WE, et al. **Sports Med** 1987 Jan-Feb;4(1):34–45 (115 ref.)

[Menstrual disorders of adolescence] Ravagni Probizer MF, et al. **Minerva Ginecol** 1987 Apr;39(4):203–5 (Eng. Abstr.) **(Ita)**

HISTORY

[Historical retrospective. Lipamin (Agomensin) and luteolipoid (Sistomensin). Animal experiments and preliminary clinical experiences] Siiss J, et al. **Geburtshilfe Frauenheilkd** 1987 May;47(5):351–6 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Menstrual dysfunction in Nigerian athletes. Toriola AL, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):979–85

PATHOLOGY

Ovarian morphology in oligomenorrhea. Govan AD, et al. **Eur J Obstet Gynecol Reprod Biol** 1975;5(6):317–25

Ultrasonographic monitoring of follicular growth for luteal phase defects. Ying YK, et al. **Fertil Steril** 1987 Sep; 48(3):433–6

Intra-ocular haemorrhage in menstruation. Atta HR, et al. **J R Coll Surg Edinb** 1987 Feb;32(1):34–6

[Ultrasonic measurements of the uterus in adolescents] Gurr S, et al. **Zentralbl Gynakol** 1986;108(23):1420–4 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Endometrial blood flow measured by xenon 133 clearance in women with normal menstrual cycles and dysfunctional uterine bleeding. Fraser IS, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):158–66

Postmenarchal evolution of endocrine pattern and ovarian aspects in adolescents with menstrual irregularities. Venturoli S, et al. **Fertil Steril** 1987 Jul;48(1):78–85

Prostaglandins, menstruation, and menstrual disorders. Saeed SA, et al. **JPMA** 1986 May;36(5):120–6

[Menstruation disorders] Drogendijk AC. **Ned Tijdschr Geneeskd** 1987 Jan 10;131(2):48–53 **(Dut)**

[Survey on the first 3 gynecological years among 392 school girls in Val-de-Marne in 1985] Toubianc JE, et al. **Ann Pediatr (Paris)** 1987 Jan;34(1):79–82 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Prevention of menstrual migraine by percutaneous oestradiol. de Lignières B, et al. **Br Med J [Clin Res]** 1986 Dec 13; 293(6561):1540

PSYCHOLOGY

Flashbulb memories of menarche and adult menstrual distress. Pillemer DB, et al. **J Adolesc** 1987 Jun;10(2):187–99

MENSTRUATION, FOLLICULAR PHASE see **FOLLICULAR PHASE**

MENSTRUATION INDUCING AGENTS

Interception. III: Postcoital luteal contragestion by an antiprogestin (mifepristone, RU 486) in 62 women. van Santen MR, et al. **Contraception** 1987 May;35(5):423–31

Interception. IV: Failure of mifepristone (RU 486) as a monthly contragestive, "Lunarette"van Santen MR, et al. **Contraception** 1987 May;35(5):433–8

THERAPEUTIC USE

Serum relaxin concentrations in women following the administration of 16,16-dimethyl-trans-delta 2-PGE1 methyl ester during early pregnancy. Seki K, et al. **Prostaglandins** 1987 May;33(5):739–42

MENSTRUATION, LUTEAL PHASE see **LUTEAL PHASE**

MENSTRUATION, RETROGRADE see **MENSTRUATION DISORDERS**

MENTAL DEFICIENCY see **MENTAL RETARDATION**

MENTAL DISORDERS

Survival analysis (or time to an event analysis), and the Cox regression model—methods for longitudinal psychiatric research. Allgulander C, et al. **Acta Psychiatr Scand** 1986 Dec;74(6):529–35 (52 ref.)

Mental illness in medical students. A problem the profession must face. Weedon D. **Am J Dermatopathol** 1986 Dec; 8(6):529–30

Public health and chronic mental illness [editorial] Westermeyer J. **Am J Public Health** 1987 Jun;77(6):667–8

Portrayal of mental illness in Canadian newspapers. Day DM, et al. **Can J Psychiatry** 1986 Dec;31(9):813–7

Families as advocates [letter] **Hosp Community Psychiatry** 1986 Oct;37(10):1051–4

The chronic patient. Family support programs in a regional mental health system. Craig TJ, et al. **Hosp Community Psychiatry** 1987 May;38(5):459–60

The implications of the Canadian Charter of Rights and Freedoms for the law relating to guardianship and trusteeship. Gordon RM, et al. **Int J Law Psychiatry** 1987; 10(1):21–34

Competency to stand trial in juvenile court. Grisso T, et al. **Int J Law Psychiatry** 1987;10(1):1–20

Abstracts of the Fourth World Congress of Biological Psychiatry. Philadelphia, Pennsylvania, USA, September 8–13, 1985. Part A. **Int J Neurosci** 1986 Dec;31(1–4):1–303

Abstracts of the Fourth World Congress of Biological Psychiatry. Philadelphia, Pennsylvania, USA, September 8–13, 1985. Part B. **Int J Neurosci** 1987 Jan;32(1–2):305–922

Attitudes towards mental illness: the influence of education and experience. Malla A, et al. **Int J Soc Psychiatry** 1987 Spring;33(1):33–41

Psychopathology and marital distress: the positive side of positive symptoms. Hooley JM, et al. **J Abnorm Psychol** 1987 Feb;96(1):27–33

Contraceptive use in the chronically ill adolescent female. Part II. Neinstein LS, et al. **J Adolesc Health Care** 1986 Sep;7(5):350–60 (119 ref.)

Educating family physicians to care for the chronically mentally ill. Jones LR, et al. **J Fam Pract** 1987 Feb; 24(2):177–83

Discharging the violent psychiatric inpatient. Travin S, et al. **J Forensic Sci** 1987 Jul;32(4):999–1008

Symptoms of mental impairment among elderly adults and their effects on family caregivers. Deimling GT, et al. **J Gerontol** 1986 Nov;41(6):778–84

Incompetency for execution. The Supreme Court challenges the ethical standards of the mental health professions. Wallace DH. **J Leg Med (Chicago)** 1987 Jun;8(2):265–81

Body searches and the right to privacy. Alexis A. **J Psychosoc Nurs Ment Health Serv** 1986 Nov;24(11):21–5

Role playing: a tool for the prevention and acceptance of mental illness. Wistrom FE. **J Psychosoc Nurs Ment Health Serv** 1987 Jun;25(6):21–4

Thyroid function screening of psychiatric inpatient admissions: a worthwhile procedure? Bannister P, et al. **J R Soc Med** 1987 Feb;80(2):77–8

Proceedings of the fourth meeting of the Japanese Association for Adolescent Psychiatry. November 30, 1985, Osaka. Abstracts. **Jpn J Psychiatry Neurol** 1986 Sep; 40(3):509–18

A long-term view of child psychiatric disorders [editorial] [published erratum appears in Lancet 1986 Dec 20–27;2(8521–22):1474] **Lancet** 1986 Dec 6;2(8519):1317–8

Should psychiatric patients be granted access to their hospital records? Sergeant H. **Lancet** 1986 Dec 6;2(8519):1322–5

The diagnosis and treatment of psychiatric disorders in medically ill patients. Hales RE. **Milit Med** 1986 Nov; 151(11):587–95

Informed consent from the mentally incompetent elderly. Ratzan RM. **Postgrad Med** 1986 Oct;80(5):81–8

Animal models in psychiatric research. Matthysse S. **Prog Brain Res** 1986;65:259–70

24th annual meeting of the ACNP (American College of Neuropsychopharmacology) 1985. Maui, Hawaii, December 1985. Abridged proceedings. **Psychopharmacol Bull** 1986;22(3):553–1044

Community attitudes to mental illness in New Zealand twenty-two years on. Green DE, et al. **Soc Sci Med** 1987; 24(5):417–22

The troubled employee. **State Art Rev Occup Med** 1986 Oct–Dec;1(4):541–686

The troubled employee. Absenteeism. Wood LW. **State Art Rev Occup Med** 1986 Oct–Dec;1(4):591–607

[Results of the plan for technical development in the field of psychiatry during the 7th 5-year-plan] Skoda C, et al. **Cesk Psychiatr** 1986 Aug;82(3–4):248–55 **(Cze)**

[The rights and legal status of mental patients] Adserballe H. **Nord Med** 1987;102(4):124–6 (Eng. Abstr.) **(Dan)**

[Present status of psychiatry] Pull CB. **Bull Soc Sci Med Grand Duche Luxemb** 1986;123(2):99–101 **(Fre)**

[The mentally handicapped and their parents] Bermejo E. **Rev Med Suisse Romande** 1987 Jan;107(1):59–67 **(Fre)**

[Abstracts: annual meeting of the Swiss Society for Psychiatry. Winterthur, 19–20 September 1986] **Schweiz Arch Neurol Psychiatr** 1987;138(1):73–82 **(Ger)**

[Psychiatric emergencies] Merra S. **Minerva Med** 1986 Sep 15;77(34–35):1545–56 (Eng. Abstr.) **(Ita)**

[Various aspects of suicide committed by mental patients in a psychiatric hospital] Beilin M, et al. **Med Pregl** 1986; 39(11–12):565–8 (Eng. Abstr.) **(Scr)**

[Social violence and mental illness: the lesson and example of the Hinckleys] López-Ibor Aliño JJ. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1986 Sep–Oct;14(5):362–8 (Eng. Abstr.) **(Spa)**

BLOOD

Selenium concentrations in blood and serum from patients with mental diseases. Alertsen AR, et al. **Acta Psychiatr Scand** 1986 Aug;74(2):217–9

[Preliminary contribution to the differential study of nocturnal melatonin secretion in psychiatric and depressive patients and healthy controls] Conde V, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1987 Jan–Feb;15(1):9–19 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Opioid peptides in the cerebrospinal fluid of psychiatric patients. Terenius L, et al. **Prog Brain Res** 1986;65:207–19

CHEMICALLY INDUCED

An outline of hazardous side effects of Ritalin (methylphenidate). Scarnati R. **Int J Addict** 1986 Jul; 21(7):837–41

Psychiatric side effects from topical ocular timolol, a beta-adrenergic blocker. Shore JH, et al. **J Clin Psychopharmacol** 1987 Aug;7(4):264–7

[Organic psychosyndrome after accidental poisoning during the unloading of a ship] Vuorela M, et al. **Ugeskr Laeger** 1987 Mar 9;149(11):728 (Eng. Abstr.) **(Dan)**

[Therapy of paradoxical reactions to midazolam in regional anesthesia] Knaack-Steinegger R, et al. **Anaesthesist** 1987 Mar;36(3):143–6 (Eng. Abstr.) **(Ger)**

[Solvents as the suspected cause of nervous system damage. Patients with another diagnosis] Moen BE, et al. **Tidsskr Nor Laegeforen** 1987 Jan 30;107(3):275–7 (Eng. Abstr.) **(Nor)**

CLASSIFICATION

Current trends in the methodology of classification. Jablensky A. **Acta Psychiatr Belg** 1986 Sep–Oct;86(5):556–67

Psychiatric classification as a reflection of uncertainties. Mellergård M. **Acta Psychiatr Scand** 1987 Jul;76(1):106–11

The Foulds hierarchy of personal illness: a review of recent research. Morey LC. **Compr Psychiatry** 1987 Mar–Apr; 28(2):159–68

DMS-III-R preview. Somatoform, sleep, and personality disorders, plus some final changes. Williams JB. **Hosp Community Psychiatry** 1987 Jul;38(7):720–1

Phenomenological classification systems: the case of DSM-III. McGuire MT. **Perspect Biol Med** 1986 Autumn; 30(1):135–47

New developments in the classification and diagnosis of functional mental disorders. Katschnig H, et al. **Psychopathology** 1986;19(5):219–35

[DSM III: a new approach to the nosologic classification in psychiatry] Seiner M. **Cesk Psychiatr** 1986 Oct; 82(5):294–302 (Eng. Abstr.) **(Cze)**

[Multiaxial diagnosis in an adult psychiatry department] Mogensen JT, et al. **Ugeskr Laeger** 1986 Oct 27; 148(44):2869–72 (Eng. Abstr.) **(Dan)**

[Presentation of the AGP and observations on this evaluation system of symptomatology in gerontopsychiatry] Mirel J, et al. **Acta Psychiatr Belg** 1987 Jan–Feb;87(1):92–7 (Eng. Abstr.) **(Fre)**

[The Forensic Psychiatric Documentation System (FPDS). Development and initial application in penal expertise] Nedopil N, et al. **Acta Psychiatr Belg** 1987 Jan–Feb; 87(1):98–113 (Eng. Abstr.) **(Fre)**

[What do you say, agnostic?] von Frenckell R. **Acta Psychiatr Belg** 1987 Jan–Feb;87(1):85–91 (Eng. Abstr.) **(Fre)**

[DSM-III: the 3d edition of the Diagnostic and Statistical Manual of Mental Disorders from the American Psychiatric Association] Pichot P. **Rev Neurol (Paris)** 1986; 142(5):489–99 (Eng. Abstr.) **(Fre)**

[Child and adolescent psychiatric classification in an unselected sample—a comparison of MAS and DSM-III] Blanz B, et al. **Z Kinder Jugenpsychiatr** 1986;14(4):296–307 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Psychiatric morbidity in acromegaly. Abed RT, et al. **Acta Psychiatr Scand** 1987 Jun;75(6):635–9

Detection of physical disorder in newly admitted psychiatric patients. Ferguson B, et al. **Acta Psychiatr Scand** 1986 Nov; 74(5):485–9

Suicides in close connection with psychiatric care: an analysis of 57 cases in a Swedish county. Sundqvist-Stensman UB. **Acta Psychiatr Scand** 1987 Jul;76(1):15–20

Suicides among 523 persons in a Swedish county with and without contact with psychiatric care. Sundqvist-Stensman UB. **Acta Psychiatr Scand** 1987 Jul;76(1):8–14

AIDS antibody tests on inpatient psychiatric units. Binder RL. **Am J Psychiatry** 1987 Feb;144(2):176–81

Impact of psychiatric comorbidity on length of hospital stay for medical/surgical patients: a preliminary report. Fulop G, et al. **Am J Psychiatry** 1987 Jul;144(7):878–82

Huntington's disease: correlations of mental status with chorea. Webb M, et al. **Biol Psychiatry** 1987 Jun; 22(6):751–61

CT scanning in psychiatry [letter] Gledhill RF, et al. **Br J Hosp Med** 1986 Sep;36(3):225

Psychological disturbance and illness behaviour in a clinic for sexually transmitted diseases. Ikkos G, et al. **Br J Med Psychol** 1987 Jun;60 (Pt 2):121–6

Comparison of the nutritional state of new and long-term patients in a psychogeriatric unit. Greer A, et al. **Br J Psychiatry** 1986 Dec;149:738–41

Severe self-mutilation among Kenyan psychotics. Muluka EA, et al. **Br J Psychiatry** 1986 Dec;149:778–80

Psychiatric disorder and gynaecological symptoms in middle aged women: a community survey. Gath D, et al. **Br Med J** 1987 Jan 24;294(6566):213–8

The dyslexia-emotional dyad: implications for diagnosis and treatment. Kline CL. **Can J Psychiatry** 1986 Aug; 31(6):517–20

Long-term changes in current psychiatric diagnoses of treated opiate addicts. Rounsaville BJ, et al. **Compr Psychiatry** 1986 Sep–Oct;27(5):480–98

Identification and disposition of trauma patients with substance use or psychiatric illness. Chang G, et al. **Conn Med** 1987 Jan;51(1):4–6

Life events, psychiatric illness and the irritable bowel syndrome. Ford MJ, et al. **Gut** 1987 Feb;28(2):160–5

Medical problems of chronic patients in a community support program. Farmer S. **Hosp Community Psychiatry** 1987 Jul; 38(7):745–9

Medical care of chronic psychiatric outpatients. Roca RP, et al. **Hosp Community Psychiatry** 1987 Jul;38(7):741–5

Substance abuse by young adult chronic patients. Safer DJ. **Hosp Community Psychiatry** 1987 May;38(5):511–4

Secondary substance abuse [letter] Sundram CJ. **Hosp Community Psychiatry** 1987 Jan;38(1):79–80

Broken necks of the femur in a psychogeriatric hospital. Gates B, et al. **Injury** 1986 Nov;17(6):383–6

Age and education effects in the diagnosis of attention deficit disorder, residual type in an alcoholic population. Horton AM Jr, et al. **Int J Neurosci** 1987 Apr;33(3–4):175–7

Rhabdomyolysis in retrospect: are psychiatric patients predisposed to this little-known syndrome? Johnson SB, et al. **Int J Psychiatry Med** 1987;17(2):163–71

Psychiatric problems in adolescents with developmental disabilities. Myers BA. **J Am Acad Child Adolesc Psychiatry** 1987 Jan;26(1):74–9

More on the association between hearing and cognitive impairment [letter] Eastwood MR, et al. **J Am Geriatr Soc** 1987 Sep;35(9):888

Unrecognized drug dependence in psychiatrically hospitalized elderly patients. Whitcup SM, et al. **J Am Geriatr Soc** 1987 Apr;35(4):297–301

Prevalence and type of psychiatric disorder and developmental disorders in three speech and language groups. Cantwell DP, et al. **J Commun Disord** 1987 Apr; 20(2):151–60

Psychiatric and behavioural disorders amongst older severely mentally handicapped inpatients. James DH. **J Ment Defic Res** 1986 Dec;30 (Pt 4):341–5

Prevalence of DSM-III-R self-defeating (masochistic) personality disorder in normal and outpatient populations. Reich J. **J Nerv Ment Dis** 1987 Jan;175(1):52–4

Substance abuse and mental illness. Double trouble. McKelvy MJ, et al. **J Psychosoc Nurs Ment Health Serv** 1987 Jan; 25(1):20–5

Myocardial infarction and mental illness: a review. Lloyd GG. **J R Soc Med** 1987 Feb;80(2):101–4 (45 ref.)

Mental handicap with psychiatric illness [letter] Kinnell HG. **Lancet** 1986 Oct 4;2(8510):815–6

Mental handicap with psychiatric illness [letter] Singh TH. **Lancet** 1986 Oct 18;2(8512):928

Prevalence of chronic pain in psychiatric patients. Chaturvedi SK. **Pain** 1987 May;29(2):231–7

A simple examination of the relationships between pain, organic lesions and psychiatric illness. Magni G, et al. **Pain** 1987 Jun;29(3):295–300

Jejunostomy or gastrostomy? Why the choice is clear for the physically and mentally incapacitated. Bogedain W. **Postgrad Med** 1987 Mar;81(4):116, 119, 122

Psychopathology in opioid addicts. Kosten TR, et al. **Psychiatr Clin North Am** 1986 Sep;9(3):515–32

Prevalence of polydipsia among public psychiatric patients. Evenson RC, et al. **Psychol Rep** 1987 Jun;60(3 Pt 1):803–7

Psychosocial problems and interventions in a referred sample of cancer patients. Stam HJ, et al. **Psychosom Med** 1986 Nov–Dec;48(8):539–48

Comparative severity of illness in patients with combined medical and psychiatric diagnoses. Dvoredsky AE, et al. **Psychosomatics** 1986 Sep;27(9):625–30

The question of confidentiality of a patient's HIV antibody test in a psychiatric treatment unit. Gayle TC, et al. **QRB** 1986 Aug;12(8):290–1

Medical complications in psychiatric patients as demonstrated in a patient with AIDS. Seide M, et al. **QRB** 1987 Apr; 13(4):118–21

Tardive dyskinesia in long-term hospitalised Zulu psychiatric patients. A prevalence study. Holden TJ. **S Afr Med J** 1987 Jan 24;71(2):88–90

Toward a profile of medically ill psychiatric patients. Walter-Ryan WG, et al. **South Med J** 1987 Jul;80(7):822–6

Polydipsia, polyuria and water intoxication observed in psychiatric inpatients. Okura M, et al. **Tokushima J Exp Med** 1986 Jun;33(1–2):1–5

[Psychiatric emergency and somatic disorders] Caroli F, et al. **Encephale** 1986 Nov–Dec;12(6):335–41 (Eng. Abstr.) **(Fre)**

[Tryptophan in the treatment of insomnia in hospitalized psychiatric patients] Ferrero F, et al. **Encephale** 1987 Jan–Feb;13(1):35–7 (Eng. Abstr.) **(Fre)**

[Deviant behavior of epileptic children] Boldyrev AI. **Zh Nevropatol Psikhiatr** 1987;87(6):833–5 (Eng. Abstr.) **(Rus)**

[Features and dynamics of mental disorders in early syphilis] Ishutina NP, et al. **Zh Nevropatol Psikhiatr** 1987; 87(3):409–12 (Eng. Abstr.) **(Rus)**

[Neuropsychiatric disorders in algodysmenorrhea in puberty] Mikirtumov BE. **Zh Nevropatol Psikhiatr** 1987;87(5):742–6 (Eng. Abstr.) **(Rus)**

[Mental disorders in the child with borderline intelligence and mental retardation] Chamorro García L. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1987 Jan–Feb;15(1):39–44 **(Spa)**

[Prevalence of generalized lupus erythematosus in a psychiatric population] Pujol Costa J, et al. **Med Clin (Barc)** 1986 Dec 6;87(19):785–6 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Teaching methods for use by psychiatrists in primary care settings. Goldberg D. **Acta Psychiatr Belg** 1986 Sep–Oct; 86(5):568–74

Rating scales for states for anxiety, depression, mania and schizophrenia. A multiaxial approach. Kastrup M, et al. **Acta Psychiatr Belg** 1986 Sep–Oct;86(5):575–81

An integration of the DSM-III and ICD-8 by global severity assessments for measuring multidimensional outcomes in general hospital psychiatry. Bech P, et al. **Acta Psychiatr Scand** 1987 Mar;75(3):297–306

Problems in communication in transcultural psychiatry. The self reporting questionnaire in Ethiopia. Kortmann F. **Acta Psychiatr Scand** 1987 Jun;75(6):563–70

A Spanish experience of DSM III in a Consultation–Liaison psychiatric service. Montero I, et al. **Acta Psychiatr Scand** 1986 Dec;74(6):536–41

Diagnostic overshadowing among school psychologists working with hearing-impaired learners. Goldsmith L, et al. **Am Ann Deaf** 1986 Oct;131(4):288–93

More on the empiricist and his new clothes [letter] **Am J Psychiatry** 1987 May;144(5):691–3

Empiricism and DSM-III [letter] **Am J Psychiatry** 1987 Jun; 144(6):837–8

Family diagnoses missed on a clinical inpatient service. Baker NJ, et al. **Am J Psychiatry** 1987 May;144(5):630–2

The legal basis of forensic psychiatry: statutorily mandated psychiatric diagnoses. Bloom JD, et al. **Am J Psychiatry** 1987 Jul;144(7):847–53

Mental health effects of the Three Mile Island nuclear reactor restart. Dew MA, et al. **Am J Psychiatry** 1987 Aug; 144(8):1074–7

A scale for measuring patients' ability to cope [letter] French AP, et al. **Am J Psychiatry** 1987 Mar;144(3):389

A study of crying in medically and surgically hospitalized patients. Green RL, et al. **Am J Psychiatry** 1987 Apr; 144(4):442–7

Maternal affective disorders, illness, and stress: risk for children's psychopathology. Hammen C, et al. **Am J Psychiatry** 1987 Jun;144(6):736–41

Natural killer cell activity and MMPI scores of a cohort of college students. Heisel JS, et al. **Am J Psychiatry** 1986 Nov;143(11):1382–6

A retrospective study of adolescents' visits to a general hospital psychiatric emergency service. Hillard JR, et al. **Am J Psychiatry** 1987 Apr;144(4):432–6

Assault experiences of 100 psychiatric inpatients: evidence of the need for routine inquiry. Jacobson A, et al. **Am J Psychiatry** 1987 Jul;144(7):908–13

Effects of large group awareness training on participants' psychiatric status. Lieberman MA. **Am J Psychiatry** 1987 Apr;144(4):460–4

DSM-III diagnoses associated with dyspepsia of unknown cause. Magni G, et al. **Am J Psychiatry** 1987 Sep; 144(9):1222–3

Long-term perspectives on persons with chronic mental disorder [editorial] Manderscheid RW. **Am J Psychiatry** 1987 Jun;144(6):783–4

Indochinese versions of the Hopkins Symptom Checklist-25: a screening instrument for the psychiatric care of refugees. Mollica RF, et al. **Am J Psychiatry** 1987 Apr; 144(4):497–500

Consumers' views of DSM-III [letter] Nussbaum K. **Am J Psychiatry** 1986 Oct;143(10):1314

The relationship between legal status and patient characteristics in state hospitals. Okin RL. **Am J Psychiatry** 1986 Oct;143(10):1233–7

Research diagnostic problems [letter] Rapaport MH, et al. **Am J Psychiatry** 1987 Jun;144(6):826–7

Classification and diagnosis [letter] Sandifer MG. **Am J Psychiatry** 1987 Feb;144(2):252–3

Stressful life events and psychiatric hospitalization of mentally retarded patients. Stack LS, et al. **Am J Psychiatry** 1987 May;144(5):661–3

The family history in clinical psychiatric practice [editorial] Swift M. **Am J Psychiatry** 1987 May;144(5):628–9

Psychiatric diagnoses of medical service users: evidence from the Epidemiologic Catchment Area Program. Kessler LG, et al. **Am J Public Health** 1987 Jan;77(1):18–24

Ethnocultural and linguistic bias in mental health evaluation of Hispanics. Malgady RG, et al. **Am Psychol** 1987 Mar; 42(3):228–34

Psychopathology of childhood: from description to validation. Quay HC, et al. **Annu Rev Psychol** 1987; 38:491–532 (290 ref.)

Charlie Brown and statistics: an exchange [letter] **Arch Gen Psychiatry** 1987 Feb;44(2):192–5

Further measures of the psychometric properties of the Children's Global Assessment Scale. Bird HR, et al. **Arch Gen Psychiatry** 1987 Sep;44(9):821–4

The Spanish Diagnostic Interview Schedule. Reliability and concordance with clinical diagnoses in Puerto Rico. Canino GJ, et al. **Arch Gen Psychiatry** 1987 Aug;44(8):720–6

Utilization of health and mental health services by Los Angeles Mexican Americans and non-Hispanic whites. Hough RL, et al. **Arch Gen Psychiatry** 1987 Aug; 44(8):702–9

Quantitative electroencephalography [letter] Nuwer MR. **Arch Gen Psychiatry** 1987 Sep;44(9):840

Psychiatric consultation to inpatients with 'early-onset' type I diabetes mellitus in a university hospital. Popkin MK, et al. **Arch Gen Psychiatry** 1987 Feb;44(2):169–71

Reliability of DSM-III Axis IV [letter] Rey JM, et al. **Arch Gen Psychiatry** 1987 Jan;44(1):96–7

Psychopathology as a predictor of treatment outcome in alcoholics. Rounsaville BJ, et al. **Arch Gen Psychiatry** 1987 Jun;44(6):505–13

Quantification of agreement in psychiatric diagnosis revisited. Shrout PE, et al. **Arch Gen Psychiatry** 1987 Feb;44(2):172–7

Assessing psychiatric disorders in children. Discrepancies between mothers' and children's reports. Weissman MM, et al. **Arch Gen Psychiatry** 1987 Aug;44(8):747–53

Mental health law reform [letter] **Aust NZ J Psychiatry** 1987 Mar;21(1):102–12

Sources of unreliability of DSM-III Axis IV. Rey JM, et al. **Aust NZ J Psychiatry** 1987 Mar;21(1):75–80

EEG coherence and power in the discrimination of psychiatric disorders and medication effects. Ford MR, et al. **Biol Psychiatry** 1986 Oct;21(12):1175–88

The value of nasopharyngeal recording in psychiatric patients. Levin R, et al. **Biol Psychiatry** 1986 Nov; 21(13):1236–8

Psychiatric aspects of dentistry. II. Humphreys M, et al. **Br Dent J** 1987 Aug 8;163(3):85–8 (35 ref.)

The validation of the GHQ-28 and the use of the MMSE in neurological in-patients. Bridges KW, et al. **Br J Psychiatry** 1986 May;148:548–53

Use of the general health questionnaire in clinical work [editorial] Goldberg D. **Br Med J [Clin Res]** 1986 Nov 8;293(6556):1188–9

Use of the general health questionnaire in clinical work [letter] Wright AF. **Br Med J [Clin Res]** 1986 Nov 29; 293(6559):1438

The microcomputerized Diagnostic Interview Schedule: clinical use in an out-patient setting. Wyndowe J. **Can J Psychiatry** 1987 Mar;32(2):93–9

Inpatients with Briquet's syndrome: presence of additional psychiatric syndromes and MMPI results. Liskow B, et al. **Compr Psychiatry** 1986 Sep–Oct;27(5):461–70

Comprehensively diagnosing geriatric patients. Mezzich JE, et al. **Compr Psychiatry** 1987 Jan–Feb;28(1):68–76

Diagnosis and ideal types: a contribution to psychiatric classification. Schwartz MA, et al. **Compr Psychiatry** 1987 Jul–Aug;28(4):277–91

Culture-bound syndromes and international disease classifications. Prince R, et al. **Cult Med Psychiatry** 1987 Mar;11(1):3–52

Test-retest reliability of a standardized psychiatric interview (DIS/CIDI). Semler G, et al. **Eur Arch Psychiatry Neurol Sci** 1987;236(4):214–22

Psychiatric emergencies in the general hospital. Fulop G, et al. **Gen Hosp Psychiatry** 1986 Nov;8(6):425–31

Inside the hidden mental health network. Examining mental health care delivery of primary care physicians. Jones LR, et al. **Gen Hosp Psychiatry** 1987 Jul;9(4):287–93

Psychiatric symptoms in the elderly in a primary care practice. Oxman TE, et al. **Gen Hosp Psychiatry** 1987 May; 9(3):167–73

To search or not to search. Is there a clinical profile of a patient harboring a weapon? Privitera MR, et al. **Gen Hosp Psychiatry** 1986 Nov;8(6):442–7

Court-ordered psychiatric evaluation of juveniles. Burnstein MH. **Hosp Community Psychiatry** 1987 Jan;38(1):77–8

Telling patients and families the psychiatric diagnosis: a survey of psychiatrists. Green RS, et al. **Hosp Community Psychiatry** 1987 Jun;38(6):666–8

What mental illness is [letter] Howe JW. **Hosp Community Psychiatry** 1987 Aug;38(8):886

The use of self-rating scales in cross-cultural psychiatry. Kinzie JD, et al. **Hosp Community Psychiatry** 1987 Feb; 38(2):190–6

Redefining dangerousness for civil commitment. Rachlin S. **Hosp Community Psychiatry** 1987 Aug;38(8):884–6

Clinical considerations in cross-cultural diagnosis. Westermeyer J. **Hosp Community Psychiatry** 1987 Feb; 38(2):160–5

Dementia in the elderly identifying reversibility. Sabin TD. **Hosp Pract [Off]** 1986 Nov 30;21(11A):63–78

Courtroom psychiatrists: expertise at the cost of wisdom? Kaplan LV, et al. **Int J Law Psychiatry** 1986;9(4):451–68

Psychiatry, the law and cultural determinants of behavior. Romanucci-Ross L, et al. **Int J Law Psychiatry** 1986; 9(3):265–93

Clinical utility of three measures of frontal lobe dysfunction in neuropsychiatric samples. Crockett D, et al. **Int J Neurosci** 1986 Nov;30(4):241–8

A prospective longitudinal study of neuropsychological and psychosocial factors in asymptomatic individuals at risk for HTLV-III/LAV infection in a methadone program: preliminary findings. Silberstein CH, et al. **Int J Neurosci** 1987 Feb;32(3–4):669–76

Clinical problems in neurodevelopmental diagnosis: a 7-year neurological and psychological follow-up study of low risk preterm infants. Fedrizzi E, et al. **Ital J Neurol Sci** 1986 Apr;Suppl 5:117–26

Factorial dimensions of the Revised Behavior Problem Checklist: replication and validation within a kindergarten sample. Hinshaw SP, et al. **J Abnorm Child Psychol** 1987 Jun;15(2):309–27

Convergence of parent checklists and child psychiatric diagnoses. Steinhausen HC, et al. **J Abnorm Child Psychol** 1987 Mar;15(1):147–51

Child and parent perceptions of children's psychopathology in psychiatric outpatient children. Treiber FA, et al. **J Abnorm Child Psychol** 1987 Mar;15(1):115–24

The Children's Self-Report Rating Scale: screening accuracy and predictive power reconsidered. Beitchman JH, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Jan;26(1):49–52

Global assessment of child psychopathology. Steinhausen HC. **J Am Acad Child Adolesc Psychiatry** 1987 Mar; 26(2):203–6

Psychosemantics. Masserman JH. **J Am Acad Psychoanal** 1987 Apr;15(2):125–31

Psychoanalytic contributions to psychiatric nosology. Panel report. **J Am Psychoanal Assoc** 1987;35(3):693–711

Psychoanalytic contributions to psychiatric nosology: forms of masochistic behavior. Simons RC. **J Am Psychoanal Assoc** 1987;35(3):583–608

Emotional disturbance in mental retardation: an investigation of differential diagnosis. Spreat S, et al. **J Autism Dev Disord** 1980 Sep;10(3):361–7

Psychiatry symptomatology in language-impaired children: a comparison. Cantwell DP, et al. **J Child Neurol** 1987 Apr;2(2):128–33

Viral antibodies and interferon in acute psychiatric disorders. Ahokas A, et al. **J Clin Psychiatry** 1987 May;48(5):194–6

Psychiatric correlates of chronic solvent abuse. Dinwiddie SH, et al. **J Clin Psychiatry** 1987 Aug;48(8):334–7

A symptom questionnaire. Kellner R. **J Clin Psychiatry** 1987 Jul;48(7):268–74

Tests of cognition and their relationship to psychiatric diagnosis and demographic variables. Rosen AM, et al. **J Clin Psychiatry** 1986 Oct;47(10):495–8

Use of the Millon Clinical Multiaxial Inventory (MCMI) as a screening instrument at a community mental health center. Cantrell JD, et al. **J Clin Psychol** 1987 Jul; 43(4):366–75

Concurrent validity of the clinical symptom syndrome scales of the Millon Clinical Multiaxial Inventory. McMahon RC, et al. **J Clin Psychol** 1986 Nov;42(6):908–12

Evaluation of two shortened forms of the SAWAIS with three diagnostic groups. Pieters HC, et al. **J Clin Psychol** 1986 Sep;42(5):809–15

Wechsler Memory Scale: a selective review of the literature. Prigatano GP. **J Clin Psychol** 1978 Oct;34(4):816–32 (90 ref.)

Factor structure of the Adolescent Multiphasic Personality Inventory in a psychiatric population. Vincent KR, et al. **J Clin Psychol** 1987 Mar;43(2):251–3

Cultural factors in understanding and assessing psychopathology. **J Consult Clin Psychol** 1987 Aug; 55(4):459–512

Utility of confirmatory factor analysis in test validation research. Cole DA. **J Consult Clin Psychol** 1987 Aug; 55(4):584–94

Rediscovery of the subject: intercultural approaches to clinical assessment. Jones EE, et al. **J Consult Clin Psychol** 1987 Aug;55(4):488–95

Validity of Millon's computerized interpretation system for the MCMI: a controlled study. Moreland KL, et al. **J Consult Clin Psychol** 1987 Feb;55(1):113–4

Cultural factors in the clinical assessment of Asian Americans. Sue D, et al. **J Consult Clin Psychol** 1987 Aug; 55(4):479–87

Cultural factors in clinical assessment. Westermeyer J. **J Consult Clin Psychol** 1987 Aug;55(4):471–8

Questioning the clinical usefulness of projective psychological tests for children. Klein RG. **J Dev Behav Pediatr** 1986 Dec;7(6):378–82 (21 ref.)

Is screening for mental health problems worthwhile in family practice? An opposing view. Campbell TL. **J Fam Pract** 1987 Aug;25(2):184–7

Do patient attitudes influence physician recognition of psychosocial problems in primary care? Good MJ, et al. **J Fam Pract** 1987 Jul;25(1):53–9

Is screening for mental health problems worthwhile in family practice? An affirmative view. Kamerow DB. **J Fam Pract** 1987 Aug;25(2):181–4

A consultant's survey of the patients in a maximum security hospital. Heller MS, et al. **J Forensic Sci** 1986 Oct; 31(4):1429–34

The treating psychiatrist as forensic evaluator in release decisions. Miller RD. **J Forensic Sci** 1987 Mar;32(2):481–8

Diagnostic errors using the Short Portable Mental Status Questionnaire with a mixed clinical population. Dalton JE, et al. **J Gerontol** 1987 Sep;42(5):512–4

Measurement characteristics of the mental health scale from the OARS. Older Americans Resources and Services. Gatz M, et al. **J Gerontol** 1987 May;42(3):332–5

Diagnostic conflict and contradiction in psychiatry. Brown P. **J Health Soc Behav** 1987 Mar;28(1):37–50

Folate metabolism and problem behaviour in mentally handicapped epileptics. Deb S, et al. **J Ment Defic Res** 1987 Jun;31 (Pt 2):163–8

The value of DSM-III for psychotherapy. A feasibility study. Auerbach AH, et al. **J Nerv Ment Dis** 1987 Mar; 175(3):138–42

Use of the Mini-Mental State Examination (MMSE) in a community population of mixed ethnicity. Cultural and linguistic artifacts. Escobar JI, et al. **J Nerv Ment Dis** 1986 Oct;174(10):607–14

Psychiatric diagnosis. A cultural perspective. Fabrega H Jr. **J Nerv Ment Dis** 1987 Jul;175(7):383–94

Effects of psychiatric symptomatology on treatment outcome for adolescent male drug abusers. Friedman AS, et al. **J Nerv Ment Dis** 1987 Jul;175(7):425–30

How culture is considered in evaluations of psychopathology. López S, et al. **J Nerv Ment Dis** 1986 Oct;174(10):598–606

Psychiatric illness in diabetes mellitus. Relationship to symptoms and glucose control. Lustman PJ, et al. **J Nerv Ment Dis** 1986 Dec;174(12):736–42

Use of the Diagnostic Interview Schedule in patients with diabetes mellitus. Lustman PJ, et al. **J Nerv Ment Dis** 1986 Dec;174(12):743–6

Psychiatric disorders among United States Marines wounded in action in Vietnam. Palinkas LA, et al. **J Nerv Ment Dis** 1987 May;175(5):291–300

Lifetime psychopathology in individuals with low sexual desire. Schreiner-Engel P, et al. **J Nerv Ment Dis** 1986 Nov;174(11):646–51

Typifications. The first step for clinical diagnosis in psychiatry. Schwartz MA, et al. **J Nerv Ment Dis** 1987 Feb;175(2):65–77

Inpatient diagnoses during Adolf Meyer's tenure as director of the Henry Phipps Psychiatric Clinic, 1913–1940. Stephens JH, et al. **J Nerv Ment Dis** 1986 Dec; 174(12):747–53

Factors affecting the decision to admit mental patients in a community hospital. Zohar M, et al. **J Nerv Ment Dis** 1987 May;175(5):301–5

The influence of elevated F scales on the validity of adolescent MMPI profiles. Gallucci NT. **J Pers Assess** 1987 Spring;51(1):133–9

The stability of the Millon Clinical Multiaxial Inventory for psychiatric inpatients. Piersma HL. **J Pers Assess** 1986 Summer;50(2):193–7

The factor structure of the Millon Clinical Multiaxial Inventory (MCMI) for psychiatric inpatients. Piersma HL. **J Pers Assess** 1986 Winter;50(4):578–84

Conceptual and empirical perspectives on the Rorschach assessment of psychopathology. Weiner IB. **J Pers Assess** 1986 Fall;50(3):472–9

Latent trait analysis of the Eysenck Personality Questionnaire. Grayson DA. **J Psychiatr Res** 1986; 20(3):217–35

Psychiatric diagnoses among substance abusers in therapeutic community treatment. Jainchill N, et al. **J Psychoactive Drugs** 1986 Jul–Sep;18(3):209–13

The Self Care Assessment Schedule (SCAS)—I. The purpose and construction of a new assessment of self care behaviours. Barnes D, et al. **J Psychosom Res** 1987; 31(2):191–202

The Self Care Assessment Schedule (SCAS)—II. Reliability and validity. Benjamin S, et al. **J Psychosom Res** 1987; 31(2):203–14

Audit of the assessment of mental impairment in the elderly. Iredale JP, et al. **J R Coll Physicians Lond** 1986 Oct; 20(4):268–70

Psychiatric disorders among elderly patients admitted to hospital medical wards. Cooper B. **J R Soc Med** 1987 Jan; 80(1):13–6

Detection and management of mental health problems of older patients by primary care providers. German PS, et al. **JAMA** 1987 Jan 23–30;257(4):489–93

Proceedings of the fifth annual meeting of the Japanese Committee for the International Diagnostic Criteria in Psychiatry (JCIDCP). November 2, 1985, Kyoto. Abstracts. **Jpn J Psychiatry Neurol** 1986 Dec;40(4):701–11

Proceedings of the sixth annual meeting of the Japanese Committee for the International Diagnostic Criteria in Psychiatry (JCIDCP). November 8, 1986, Tokyo. Abstracts. **Jpn J Psychiatry Neurol** 1987 Mar;41(1):155–65

How psychiatric disorders are missed during medical consultations. Davenport S, et al. **Lancet** 1987 Aug 22; 2(8556):439–41

In the Supreme Court of Israel sitting as High Court of Justice. Haim Roth v. Magistrate's Court of Tel-Aviv. Levi J. **Med Law** 1987;6(3):263–5

In the Supreme Court of Israel sitting as Court of Civil Appeals. Zeev Yarmulovitz and the State of Israel v. Moshe Hovav. Levi J. **Med Law** 1987;6(3):267–73

The female offender and psychiatric referral: the medicalisation of female deviance? Offen L. **Med Law** 1986; 5(4):339–48

Psychiatric court referrals in Sweden. Averland AM, et al. **Med Sci Law** 1987 Jan;27(1):43–50

Male and female chronic pain patients categorized by DSM-III psychiatric diagnostic criteria. Fishbain DA, et al. **Pain** 1986 Aug;26(2):181–97

Male and female chronic pain patients categorized by DSM-III psychiatric diagnostic criteria [letter] Jaeger B, et al. **Pain** 1987 May;29(2):263–6

Some comments on conditioning. Stern JA. **Pavlov J Biol Sci** 1979 Apr–Jun;14(2):144–7

Primary care pediatrics and child psychopathology: a review of diagnostic, treatment, and referral practices. Costello EJ. **Pediatrics** 1986 Dec;78(6):1044–51 (26 ref.)

Evaluation of the diagnostic utility of the TRH-induced TSH response in psychiatric disorders. Loosen PT, et al. **Pharmacopsychiatry** 1987 May;20(3):90–5

Diagnosis, screening, and 'demoralization': epidemiologic implications. Murphy JM. **Psychiatr Dev** 1986 Summer; 4(2):101–33 (97 ref.)

Psychiatric referral after head trauma. O'Shanick GJ, et al. **Psychiatr Med** 1984 Jun;2(2):131–7

A different empirical perspective on sex bias in the diagnosis of DSM III axis II disorders. Gilbertson AD, et al. **Psychiatr Q** 1986–87 Summer;58(2):144–7

Brief psychiatric rating scale for children: quantitative scoring of medical records. Mullins D, et al. **Psychiatry Res** 1986 Sep;19(1):43–9

Factors affecting TRH test results [letter] Wolkin A. **Psychiatry Res** 1986 Oct;19(2):175

Patterns of psychiatric diagnosis in general practice: the Second National Morbidity Survey. Dunn G. **Psychol Med** 1986 Aug;16(3):573–81

The concept of disease in psychiatry. Häfner H. **Psychol Med** 1987 Feb;17(1):11–4

The reliability and validity of PSE assessments by lay interviewers: a national population survey. Rodgers B, et al. **Psychol Med** 1986 Aug;16(3):689–700

Assessment schedules for chronic psychiatric patients. Sturt E, et al. **Psychol Med** 1987 May;17(2):485–93

Differentiating under- and overcontrolled behavior of adolescent outpatients with the High School Personality Questionnaire. Gallucci NT, et al. **Psychol Rep** 1987 Feb; 60(1):335–8

Computerized clinical practice: promises and shortcomings. Murphy JW, et al. **Psychol Rep** 1986 Dec;59(3):1099–113

MMPI differences among three diagnostic groups of Mexican-American state hospital patients. Velásquez RJ, et al. **Psychol Rep** 1987 Jun;60(3 Pt 2):1071–4

The polydiagnostic approach in psychiatry. **Psychopathology** 1986;19(5):217–88

Degree of suffering—a neglected variable. Modestin J. **Psychopathology** 1986;19(6):317–23

The polydiagnostic interview: a structured interview for the polydiagnostic classification of psychiatric patients. Philipp M, et al. **Psychopathology** 1986;19(4):175–85

Methodological problems in polydiagnostic research. Philipp M, et al. **Psychopathology** 1986;19(5):236–43 (51 ref.)

Limiting factors in the use of DSM-III criteria with mentally ill/mentally retarded persons. Sovner R. **Psychopharmacol Bull** 1986;22(4):1055–9

Competency issues in referrals to a consultation-liaison service. Myers B, et al. **Psychosomatics** 1986 Nov; 27(11):782–9

The ambulatory electro-encephalogram as a diagnostic tool in a children's hospital. Batho KM, et al. **S Afr Med J** 1986 Sep 27;70(7):428–30

Psychiatric research instruments in the transcultural setting: experiences in India and Brazil. Sen B, et al. **Soc Sci Med** 1986;23(3):277–81

Progredient subclinical changes of the behaviour. Dénes S. **ZFA** 1986 Nov–Dec;41(6):343–7

[Psychiatric evaluation of persons selected for work abroad] Vachutka J. **Cesk Psychiatr** 1986 Aug;82(3–4):223–7 (Eng. Abstr.) **(Cze)**

[Long-stay psychiatric patients in hospitals of the county of Aarhus. I. Social and clinical characteristics] Barner-Rasmussen P, et al. **Ugeskr Laeger** 1987 Jun 1; 149(23):1549–52 (Eng. Abstr.) **(Dan)**

[Examination prior to referral. An experimental project in community psychiatric service in North Jutland] Nielsen OR, et al. **Ugeskr Laeger** 1987 Feb 16;149(8):544–7 (Eng. Abstr.) **(Dan)**

[The MCMI—Millon Clinical Multiaxial Inventory. Clinical experiences with a new questionnaire for assessing psychiatric patients] Simonsen E, et al. **Ugeskr Laeger** 1986 Oct 27;148(44):2872–5 (Eng. Abstr.) **(Dan)**

[Psychiatric diagnosis in 1986; DSM-III and other developments] Rooijmans HG. **Ned Tijdschr Geneeskd** 1987 Jul 25;131(30):1301–6 **(Dut)**

[History, description and application of the AMDP system and its derivative systems (AGP, FPDS)] Bobon D. **Acta Psychiatr Belg** 1987 Jan–Feb;87(1):7–22 (Eng. Abstr.) **(Fre)**

[Videotape recording of the French-language AMDP system] Lecoq A. **Acta Psychiatr Belg** 1987 Jan–Feb; 87(1):69–84 (Eng. Abstr.) **(Fre)**

[Standardization of the clinical interview as a function of the AMDP scales] Mormont C. **Acta Psychiatr Belg** 1987 Jan–Feb;87(1):61–8 (Eng. Abstr.) **(Fre)**

[Application of the AMDP system in diagnosis and prediction] Stieglitz RD, et al. **Acta Psychiatr Belg** 1987 Mar–Apr;87(2):117–40 (Eng. Abstr.) **(Fre)**

[Simulation of mental disorders. 1. Psychopathologic and psychosociodynamic aspects in a military environment] Barrois C. **Ann Med Psychol (Paris)** 1986 Jan;144(1):1–26 (Eng. Abstr.) **(Fre)**

[Similarities and differences between DSM III and French psychiatric practice] Ohayon M, et al. **Ann Med Psychol (Paris)** 1986 May;144(5):515–30 **(Fre)**

[Application of D.S.M. III to prison psychiatry: apropos of 100 diagnostic evaluations] Rager P, et al. **Ann Med Psychol (Paris)** 1986 Jan;144(1):94–102 (Eng. Abstr.) **(Fre)**

[Dexamethasone suppression test in psychiatric pathology] Henry E, et al. **Presse Med** 1987 Apr 18;16(14):669–71 (Eng. Abstr.) **(Fre)**

[Misleading symptoms of cerebral thrombophlebitis in pregnancy and the puerperium] Ruel M, et al. **Presse Med** 1986 Sep 13;15(29):1367–8 (Eng. Abstr.) **(Fre)**

[Comparison of the EEG and computerized tomography findings in 500 patients hospitalized in the neurology clinic of the Salpêtrière] Brechet R, et al. **Rev Electroencephalogr Neurophysiol Clin** 1986 Dec; 16(4):355–60 (Eng. Abstr.) **(Fre)**

[Brain mapping—topographic demonstration of the EEG and evoked potentials in psychiatry and neurology] Maurer K, et al. **EEG EMG** 1987 Mar;18(1):4–12 (Eng. Abstr.) **(Ger)**

[Comparison of the diagnostic categories of ICD-9 and DSM-III] Spitzer M. **Fortschr Neurol Psychiatr** 1987 Jan; 55(1):16–30 (Eng. Abstr.) **(Ger)**

[Description of psychiatric groups using objective personality tests] Schwenkmezger P, et al. **Nervenarzt** 1987 Jun; 58(6):349–57 **(Ger)**

[Diagnosis in DSM-III] Spitzer M, et al. **Nervenarzt** 1986 Dec;57(12):698–704 **(Ger)**

[Forensic considerations concerning legal principles for disability, guardianship and nursing care] Schulte B. **Off Gesundheitswes** 1987 Jul;49(7):338–44 (Eng. Abstr.) **(Ger)**

[The examination of children. Comprehensive assessment and psychological findings. A manual for the practitioner] Herzka HS. **Prax Kinderpsychol Kinderpsychiatr [Beih]** 1986;27:1–96 **(Ger)**

[Biographic diagnosis—a critical review] Guthke J. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Oct; 38(10):561–71 (Eng. Abstr.) **(Ger)**

[Study instrument for psychopathology in computer-assisted analysis of findings (Structured Psychopathologic Detection System)] Hempel HD, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Aug; 38(8):464–73 (Eng. Abstr.) **(Ger)**

[Validity of post-proline splitting dipeptidyl aminopeptidase activities in the cerebrospinal fluid for neurologic and psychiatric diagnosis] Kallenbach W, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Aug; 38(8):456–63 (Eng. Abstr.) **(Ger)**

[Principles of computer-assisted classification in psychiatry] Kühne GE, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Mar;39(3):129–33 (Eng. Abstr.) **(Ger)**

[Medical ethics and forensic psychiatric assessment] Späte HF, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Jan; 39(1):17–23 (Eng. Abstr.) **(Ger)**

[Comparison of the main diagnostic groups at a crisis intervention center] Götte JH, et al. **Psychiatr Prax** 1986 Nov;13(6):219–25 (Eng. Abstr.) **(Ger)**

[Structure diagnosis in psychotherapy] Heigl-Evers A, et al.

Psychother Psychosom Med Psychol 1987 Jul;37(7):225–32 (Eng. Abstr.) **(Ger)**

[Specificity and lack of specificity in psychiatric diseases] Heimann H. **Schweiz Arch Neurol Psychiatr** 1986; 137(5):67–86 (Eng. Abstr.) **(Ger)**

[Psychiatric systemization and diagnosis] Berner P. **Wien Klin Wochenschr [Suppl]** 1986;170:3–7 (Eng. Abstr.) **(Ger)**

[Neurologic and psychiatric diseases and fitness for driving] Hebenstreit GF. **Wien Med Wochenschr** 1987 Apr 30; 137(7–8):141–7 (Eng. Abstr.) **(Ger)**

[Cluster analysis with binary data exemplified by psychodiagnostic and medical studies in traffic systems] Harms U, et al. **Z Gesamte Hyg** 1986 Dec;32(12):713–6 (Eng. Abstr.) **(Ger)**

[Incomplete child and adolescent psychiatric studies] Schürmann K. **Z Kinder Jugendpsychiatr** 1986;14(3):258–67 (Eng. Abstr.) **(Ger)**

[A comparative study of clinical signs, computed tomography, and electroencephalography after direct operation of ruptured anterior communicating aneurysms--Part I: Analysis of the cases with mental signs of mild degree] Kitaoka K, et al. **Hokkaido Igaku Zasshi** 1987 Mar;62(2):322–31 (Eng. Abstr.) **(Jpn)**

[Diagnostic methods of mental functions: event-related potentials] Nakamura M. **Rinsho Byori** 1987 Mar; 35(3):264–9 (13 ref.) **(Jpn)**

[Methodology and epistemology of clinical diagnosis; specific aspects of psychiatric diagnosis] Ionescu G. **Rev Med Interna [Neurol Psihiatr]** 1987 Jan–Mar;32(1):9–24 (Eng. Abstr.) **(Rum)**

[The nervous child] Brono MS. **Pediatriia** 1987;(1):78–83 **(Rus)**

[Characteristics of intellectual and mnemic disorders in the late period of craniocerebral injury] Belov VP, et al. **Sov Med** 1986;(8):102–5 **(Rus)**

[Extreme states in forensic psychiatric practice] Pechernikova TP, et al. **Sud Med Ekspert** 1986 Jul–Sep;29(3):43–6 (Eng. Abstr.) **(Rus)**

[Hypogonadism and mental disorders as the 1st manifestations of hypopituitarism] Aleshkevich OI, et al. **Vrach Delo** 1986 Dec;(12):63–5 **(Rus)**

[Clinico-morphological characteristics of acute meningoencephalitis occurring with disordered mental activity] Barshtein IuA, et al. **Vrach Delo** 1986 Sep; (9):108–11 (Eng. Abstr.) **(Rus)**

[System of dynamic observation of children with mental disorders at a psychoneurologic department at a pediatric polyclinic] Gurovich IIa, et al. **Zh Nevropatol Psikhiatr** 1986;86(10):1560–4 (Eng. Abstr.) **(Rus)**

[Clinical patterns in the development of hypochondriac disorders within the framework of different mental illnesses] Ngi ChV, et al. **Zh Nevropatol Psikhiatr** 1987; 87(6):880–5 (Eng. Abstr.) **(Rus)**

[Basic patterns and trends in the signs of mental disorders in old age] Shakhmatov NF. **Zh Nevropatol Psikhiatr** 1986; 86(9):1358–62 (Eng. Abstr.) **(Rus)**

[Mental disorders in suicides with a somatic appeal] Sakić S, et al. **Srp Arh Celok Lek** 1986 Oct;114(10):939–46 (Eng. Abstr.) **(Scc)**

[Theoretical and empirical analysis of the value of minor neurological signs in psychiatry] Conde López V, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1986 Nov–Dec;14(6):407–23 (46 ref.) (Eng. Abstr.) **(Spa)**

[The General Health Questionnaire (GHQ) and psychiatric pathology in oncologic patients] Fernández-Argüelles P, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1987 Jan–Feb;15(1):34–8 (Eng. Abstr.) **(Spa)**

[Minor neurologic symptoms in healthy subjects] Salvador L, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1987 May–Jun;15(3):141–6 (Eng. Abstr.) **(Spa)**

DIET THERAPY

Use of a restricted protein diet in the treatment of behaviour disorder in a severely mentally retarded adult female phenylketonuric patient. Harper M, et al. **J Ment Defic Res** 1987 Jun;31 (Pt 2):209–12

DRUG THERAPY

28th Psychopharmacology Meeting. Jeseník Spa, January 1986. Abstracts. **Act Nerv Super (Praha)** 1986 Dec; 28(4):292–333

Long-term use of benzodiazepines in psychiatric inpatients. Laux G, et al. **Acta Psychiatr Scand** 1987 Jul;76(1):64–70

Treatment compliance among psychiatric outpatients in Kenya. Okonji MM, et al. **Acta Psychiatr Scand** 1987 Mar; 75(3):240–2

Convulsions in patients abruptly withdrawn from clonazepam while receiving neuroleptic medication [letter] Ghadirian AM, et al. **Am J Psychiatry** 1987 May;144(5):686

Effects of the Jamison-Farabee consent decree: due process protection for involuntary psychiatric patients treated with psychoactive medication. Hargreaves WA, et al. **Am J Psychiatry** 1987 Feb;144(2):188–92

Frequency and presentation of neuroleptic malignant syndrome in a large psychiatric hospital. Pope HG Jr, et al. **Am J Psychiatry** 1986 Oct;143(10):1227–33

Antidepressants in children: indications, benefits, and limitations. Rancurello M. **Am J Psychother** 1986 Jul; 40(3):377–92 (44 ref.)

The use of psychostimulants in general psychiatry. A reconsideration. Chiarello RJ, et al. **Arch Gen Psychiatry** 1987 Mar;44(3):286–95 (81 ref.)

A study of the need for anticholinergic medication in patients treated with long-term antipsychotics. Caradoc-Davies G, et al. **Aust NZ J Psychiatry** 1986 Jun;20(2):225–32

The safe use of high dose neuroleptics in a psychiatric intensive care unit. Goldney RD, et al. **Aust NZ J Psychiatry** 1986 Sep;20(3):370–5

Neuroleptic malignant syndrome: review and analysis of 115 cases. Addonizio G, et al. **Biol Psychiatry** 1987 Aug; 22(8):1004–20

Ritanserin (R 55667) an original thymosthenic. Hoppenbrowers ML, et al. **Boll Chim Farm** 1986 Dec; 125(12):136S–147S (24 ref.)

Lithium treatment: a refresher course. Schou M. **Br J Psychiatry** 1986 Nov;149:541–7

Some psychodynamics of non-compliance. Book HE. **Can J Psychiatry** 1987 Mar;32(2):115–7

PRN medication for psychiatric inpatients. Craven JL, et al. **Can J Psychiatry** 1987 Apr;32(3):199–203

Prevalence of psychoactive medication in children and adolescents [published erratum appears in Can J Psychiatry 1986 Dec;31(9):874] Quinn DM. **Can J Psychiatry** 1986 Aug;31(6):575–80

Polypharmacy in psychiatry: update and future trends. Rapp MS. **Can J Psychiatry** 1986 Dec;31(9):843–5 (20 ref.)

Chemical restraint. Rapp MS. **Can J Psychiatry** 1987 Feb; 32(1):20–1

Proceedings of the 15th Collegium Internationale Neuro-Psychopharmacologicum Congress. Puerto Rico, U.S.A., December 14–17, 1986. **Clin Neuropharmacol** 1986; 9 Suppl 4:1–584

Epidemiology of toxic delirium due to psychotropic drugs in psychiatric hospitals. Schmidt LG, et al. **Compr Psychiatry** 1987 May–Jun;28(3):242–9

Mental disorders in the elderly. Stern LZ, et al. **Compr Ther** 1987 May;13(5):43–50

Exploring psychiatric prescribing practices: the relationship between the role of the provider and the appropriateness of prescribing. Seaman JJ, et al. **Gen Hosp Psychiatry** 1987 May;9(3):220–4

False hopes and best data: consent to research and the therapeutic misconception. Appelbaum PS, et al. **Hastings Cent Rep** 1987 Apr;17(2):20–4

Effect of treatment setting on social workers' knowledge of psychotropic drugs. Berg WE, et al. **Health Soc Work** 1987 Spring;12(2):144–52

Interactions between psychotropic and other drugs: an update [published erratum appears in 1987 Aug;38(8):887] Glassman R, et al. **Hosp Community Psychiatry** 1987 Mar; 38(3):236–42

Computer-based monitoring of clinical care in a public psychiatric hospital unit. Overall JE, et al. **Hosp Community Psychiatry** 1987 Apr;38(4):381–6

Prosecuting patients [letter] Perlman BB. **Hosp Community Psychiatry** 1987 Jun;38(6):673

Factors related to drug treatment refusal in a forensic hospital. Rodenhauser P, et al. **Hosp Community Psychiatry** 1987 Jun;38(6):631–7

Using a drug audit program to reduce polypharmacy in a state psychiatric hospital. Wells BG, et al. **Hosp Community Psychiatry** 1986 Dec;37(12):1262–5

Longitudinal assessment of psychotropic drug use in acutely-ill psychiatric inpatients. Schmidt LG, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 May;25(5):244–50

Pharmacological treatment of adolescent psychiatric disorders. Ryan ND, et al. **J Adolesc Health Care** 1987 Jan;8(1):137–42 (58 ref.)

Long-term experience with lithium treatment in childhood: correlation with clinical diagnosis. DeLong GR, et al. **J Am Acad Child Adolesc Psychiatry** 1987 May; 26(3):389–94

Carbamazepine in pediatric psychiatry. Evans RW, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Jan;26(1):2–8

Comparison of severe and mild tardive dyskinesia: implications for etiology. Gardos G, et al. **J Clin Psychiatry** 1987 Sep;48(9):359–62

Prediction of therapeutic lithium dose: comparison and improvement of current methods. Rosenberg JG, et al. **J Clin Psychiatry** 1987 Jul;48(7):284–6

P.R.N. medications in child state hospital inpatients. Vitiello B, et al. **J Clin Psychiatry** 1987 Sep;48(9):351–4

A view from the Nation's courts. Freishtat HW. **J Clin Psychopharmacol** 1987 Feb;7(1):42–3

Sodium valproate: its use in primary psychiatric disorders. McElroy SL, et al. **J Clin Psychopharmacol** 1987 Feb; 7(1):16–24

Benzodiazepine use in psychiatrically hospitalized elderly patients [letter] Miller F, et al. **J Clin Psychopharmacol** 1986 Dec;6(6):384–5

Prescribing in a hospital for the mentally retarded. Fischbacher E. **J Ment Defic Res** 1987 Mar;31 (Pt 1):17–29

Treatment of mental disorders in pregnancy. A review of psychotropic drug risks and benefits. Kerns LL. **J Nerv Ment Dis** 1986 Nov;174(11):652–9 (90 ref.)

Discovery of novel psychoactive drugs: has it ended? Nichols DE. **J Psychoactive Drugs** 1987 Jan–Mar;19(1):33–7

Proceedings of the 5th annual meeting of the Japanese Society of Biological Psychiatry. Kanazawa, March 27–28, 1986. Abstracts. **Jpn J Psychiatry Neurol** 1986 Sep; 40(3):519–46

Drugs for psychiatric disorders. **Med Lett Drugs Ther** 1986 Oct 24;28(725):99–106

Effect of psychotropic medications on seizure control in patients with epilepsy. Ojemann LM, et al. **Neurology** 1987 Sep;37(9):1525–7

Proceedings of the Congress of the AGNP (Society of Neuropsychopharmacology and Pharmacopsychiatry of the German-speaking countries. Nuremberg 1985. **Pharmacopsychiatry** 1986 Jul;19(4):127–348

Pharmacotherapy of psychiatric disorder in pregnancy and during breastfeeding: a review. Thiels C. **Pharmacopsychiatry** 1987 Jul;20(4):133–46 (146 ref.)

Possible therapeutic implications of the effects of some peptides on the brain. Kastin AJ, et al. **Prog Brain Res** 1987;72:223–34

The effects of a psychiatric patient education to medication program on post-discharge compliance. Robinson GL, et al. **Psychiatr Q** 1986–87 Summer;58(2):113–8

Psychotropic drug use in Italy: national trends and regional differences. Williams P, et al. **Psychol Med** 1986 Nov; 16(4):841–50

Annual NCDEU meeting 1986. Abridged proceedings. New Clinical Drug Evaluation Unit. May 27–29, 1986, Key Biscayne, Florida. **Psychopharmacol Bull** 1987;23(1):1–258

Overview of research in psychopharmacological treatment of the mentally ill/mentally retarded. Lipman RS. **Psychopharmacol Bull** 1986;22(4):1046–54 (54 ref.)

Clinical pharmacology in psychiatry. Selectivity in Psychotropic drug action--promises or problems? Fourth International Meeting on Clinical Pharmacology in Psychiatry. Bethesda, Maryland, 5–8 September 1985. Proceedings. **Psychopharmacol Ser** 1987;3:1–290

Clinical studies of "specific" anxiolytics as therapeutic agents. Rickels K. **Psychopharmacol Ser** 1987;3:88–95

Psychotropic drug prescribing in general practice. II. A three year retrospective study from an island community in northern Norway. Tellnes G, et al. **Scand J Prim Health Care** 1986 Sep;4(3):137–41

Treatment of mental problems in general practice. A one year prospective study from an island community in northern Norway. Tellnes G, et al. **Scand J Soc Med** 1987; 15(3):131–7

[Results of drug screening of patients admitted to a university psychiatric clinic] Ahrens S, et al. **Nervenarzt** 1986 Sep; 57(9):532–7 **(Ger)**

[Acute and chronic toxicity of psychotropic drugs] Bickel MH. **Schweiz Arch Neurol Psychiatr** 1986;137(5):106–9 (Eng. Abstr.) **(Ger)**

[Effect of psychotropic drugs on information processing] Fisch HU. **Schweiz Arch Neurol Psychiatr** 1986; 137(5):111–20 (Eng. Abstr.) **(Ger)**

[The value of clinical studies] Woggon B. **Schweiz Arch Neurol Psychiatr** 1986;137(5):135–41 (Eng. Abstr.) **(Ger)**

[Perspectives of psychiatric pharmacotherapy] Hippius H. **Wien Klin Wochenschr [Suppl]** 1986;170:7–10 (Eng. Abstr.) **(Ger)**

[Psychotherapeutic effects of psychotropic drugs: principle considerations from the psychobiologic viewpoint] Langer G. **Wien Med Wochenschr** 1986 Oct 31;136(19–20):491–7 (Eng. Abstr.) **(Ger)**

[Considerations on the use of long-acting neuroleptics in a mental health center] Carotti P, et al. **Minerva Med** 1986 Sep 15;77(34–35):1577–83 (Eng. Abstr.) **(Ita)**

[Therapeutic drug monitoring (TDM) of benzodiazepines] Fujinami S, et al. **Seishin Shinkeigaku Zasshi** 1986; 88(11):920–35 **(Jpn)**

[Current status and problems in the parenteral administration of psychotropic drugs] Uejima K, et al. **Seishin Shinkeigaku Zasshi** 1986;88(11):952–60 **(Jpn)**

[Abuse of antiparkinsonian drugs among psychiatric patients] Haggag A, et al. **Tidsskr Nor Laegeforen** 1986 Nov 20; 106(32):2734–6, 2753 (Eng. Abstr.) **(Nor)**

[Current status and outlook of biological therapies in mental diseases] Predescu V, et al. **Rev Med Interna [Neurol Psihiatr]** 1986 Oct–Dec; 31(4):241–52 (43 ref.) **(Rum)**

[Features of the pharmacotherapy of nervous and mental diseases in gerontology] Man'kovskii NB, et al. **Klin Med (Mosk)** 1986 Sep;64(9):12–7 (Eng. Abstr.) **(Rus)**

ECONOMICS

An analysis of DRG-based reimbursement for psychiatric admissions to general hospitals. Freiman MP, et al. **Am J Psychiatry** 1987 May;144(5):603–9

Are specialized psychiatric services worth the higher cost? [editorial] Goldman HH, et al. **Am J Psychiatry** 1987 May; 144(5):626–8

Differences in resource use and cost among facilities treating alcohol, drug abuse, and mental disorders: implications for design of a prospective payment system. McGuire TG, et al. **Am J Psychiatry** 1987 May;144(5):616–20

Bringing psychiatric patients into the Medicare prospective payment system: alternatives to DRGs. Mitchell JB, et al. **Am J Psychiatry** 1987 May;144(5):610–5

When it pays to be insane: three unusual legacies of insanity. Goldstein RL. **Bull Am Acad Psychiatry Law** 1986; 14(3):253–62

Patient characteristics predictive of treatment costs on inpatient psychiatric wards. Essock-Vitale S. **Hosp Community Psychiatry** 1987 Mar;38(3):263–9

A proposal for future funding of chronic and episodic mental illness. Talbott JA, et al. **Hosp Community Psychiatry** 1986 Nov;37(11):1126–30
Critics: Medicare unfair to mentally ill. Newald J. **Hospitals** 1987 Jun 20;61(12):FB114, FB116
[Costs of psychiatric treatment: a comparative approach to 3 categories of patients] Fischer W, et al. **Soz Praventivmed** 1987;32(3):168–75 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

The influence of low arylsulfatase A activity on neuropsychiatric morbidity: a large-scale screening in patients. Propping P, et al. **Hum Genet** 1986 Nov; 74(3):244–8

ETHNOLOGY

Mental illness among immigrant minorities in the United Kingdom. London M. **Br J Psychiatry** 1986 Sep;149:265–73
Measuring psychiatric disorder among Southeast Asian refugees. Beiser M, et al. **Psychol Med** 1986 Aug; 16(3):627–39
[Tibetan culture and mental diseases of the Baima of Pingwu County in Sichuan Province] Cheng ZR. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1987 Apr; 20(2):92–4 (Eng. Abstr.) **(Chi)**
[Characteristics of psychopathologic manifestations in gypsies] Medvecká E, et al. **Cesk Psychiatr** 1986 Oct; 82(5):328–31 (Eng. Abstr.) **(Slo)**

ETIOLOGY

Hypothalamic dysfunction in neuropsychiatric disorders. International Congress on Hypothalamic Dysfunction in Neuropsychiatric Disorders. Rome, Italy, April 1986. Proceedings. **Adv Biochem Psychopharmacol** 1987;43:1–364
Psychiatric iatrogenic disorders. Siomopoulos V. **Am Fam Physician** 1986 Oct;34(4):111–6
Psychiatric aspects of AIDS. Faulstich ME. **Am J Psychiatry** 1987 May;144(5):551–6 (79 ref.)
Psychiatric aspects of patients with malignant ventricular arrhythmias. Fricchione GL, et al. **Am J Psychiatry** 1986 Dec;143(12):1518–26 (69 ref.)
Distress precipitated by psychiatric training among medical students. Kris K. **Am J Psychiatry** 1986 Nov;143(11):1432–5
The neuropsychiatric effects of treatment with interleukin-2 and lymphokine-activated killer cells. Denicoff KD, et al. **Ann Intern Med** 1987 Sep;107(3):293–300
'In the beginning was the Word...' [letter] Watson IP. **Aust NZ J Psychiatry** 1986 Jun;20(2):246–7
Hyponatremia-induced organic mental disorder may mask paranoid schizophrenia. Fleischhacker WW, et al. **Biol Psychiatry** 1987 May;22(5):650–2
Causal models in psychiatric research. Edlund MJ. **Br J Psychiatry** 1986 Jun;148:713–7 (28 ref.)
Inter-generational conflict and psychiatric symptoms. el-Islam MF, et al. **Br J Psychiatry** 1986 Sep;149:300–6
Some relationships between psychiatry and the social sciences. Mechanic D. **Br J Psychiatry** 1986 Nov; 149:548–53
Psychiatric disorder and gynaecological symptoms in middle age women [letter] Bell G, et al. **Br Med J [Clin Res]** 1987 Mar 14;294(6573):703–4
Psychological impact of adjuvant chemotherapy in the first two years after mastectomy [published erratum appears in Br Med J [Clin Res] 1986 Nov 29;293(6559):1410] Hughson AV, et al. **Br Med J [Clin Res]** 1986 Nov 15; 293(6557):1268–71
Intravenous diazepam for psychiatric reactions following open-heart surgery. McClish A, et al. **Can Anaesth Soc J** 1968 Jan;15(1):63–79
Evaluation of psychiatric symptoms in patients presenting with symptoms of premenstrual tension syndrome. Kathol RG. **Clin Obstet Gynecol** 1987 Jun;30(2):408–16 (25 ref.)
The relationship of menstrually related mood disorders to psychiatric disorders. Roy-Byrne PP, et al. **Clin Obstet Gynecol** 1987 Jun;30(2):386–95 (49 ref.)
Psychiatric disorders in rape victims: past history and current symptomatology. Frank E, et al. **Compr Psychiatry** 1987 Jan–Feb;28(1):77–82
Geopsychology and geopsychopathology: mental processes and disorders associated with geochemical and geophysical factors. Persinger MA. **Experientia** 1987 Jan 15; 43(1):92–104
Mental processes and disorders: a neurobehavioral perspective in human biometeorology. Persinger MA. **Experientia** 1987 Jan 15;43(1):39–48
Interictal psychopathology in temporal lobe epilepsy. The role of laterality of the epileptic focus. Gainotti G, et al. **Funct Neurol** 1986 Jul–Sep;1(3):225–33
Impact of AIDS [letter] Hoffman AS. **Hosp Community Psychiatry** 1986 Sep;37(9):943–4
Neurological and psychological complications of surgery and anesthesia. **Int Anesthesiol Clin** 1986 Winter;24(4):1–264
Selected papers from the symposium: Neurological and Psychiatric Aspects of AIDS. New York, March 21, 1986. **Int J Neurosci** 1987 Feb;32(3–4):647–93
Post encephalitic behaviour problems. Rastogi CK, et al. **J Assoc Physicians India** 1986 Jul;34(7):498–9
Prostaglandins and psychiatry. Allen JR. **J Okla State Med Assoc** 1986 Aug;79(8):610–3
Possible involvement of HIV in neuropsychiatric episode in patient seronegative for two (or more) years [letter] Boussin F, et al. **Lancet** 1987 Sep 5;2(8558):571–2
Causal explanation in science and in psychoanalysis. Implications for writing a case study. Edelson M. **Psychoanal Study Child** 1986;41:89–127
Desperate remedies: a Gothic tale of madness and modern medicine. Scull A. **Psychol Med** 1987 Aug;17(3):561–77 (54 ref.)
Exposure to low doses of the environmental chemical dieldrin causes behavioral deficits in animals prevented from coping with stress. Carlson JN, et al. **Psychopharmacology (Berlin)** 1987;91(1):122–6
Psychopathology in prenatally DES-exposed females: current and lifetime adjustment. Ehrhardt AA, et al. **Psychosom Med** 1987 Mar–Apr;49(2):183–96
A prospective study of psychiatric and psychosocial sequelae of bilateral subcutaneous mastectomy. Meyer L, et al. **Scand J Plast Reconstr Surg** 1986;20(1):101–7
Central nervous system (CNS) manifestations of primary Sjögren's syndrome: an overview. Alexander EL. **Scand J Rheumatol [Suppl]** 1986;61:161–5
Scientists and laymen [letter] Victor D. **Science** 1987 May 22;236(4804):897
Psychiatric manifestations of porphyria. Scott L, et al. **SD J Med** 1987 May;40(5):5–8
[Filial relationship in child psychopathology] Ferrari P. **Ann Pediatr (Paris)** 1986 Oct;33(8):713–8 (Eng. Abstr.) **(Fre)**
[How to understand certain severe behavior disorders in current today adolescents] Flavigny H. **Ann Pediatr (Paris)** 1986 Oct;33(8):645–50 (Eng. Abstr.) **(Fre)**
[Psychiatric manifestations and HIV infection. Apropos of a case] Olié JP, et al. **Encephale** 1987 Jan–Feb;13(1):31–3 (Eng. Abstr.) **(Fre)**
[From Procustes to Theseus or etiology in psychiatry (editorial)] Porot M. **Encephale** 1986 Nov–Dec;12(6):307–8 **(Fre)**
[Affective and emotional problems of the elderly encountered by the general practitioner] Boisdenghien J. **Rev Med Brux** 1986 Nov;7(9):545–50 (30 ref.) (Eng. Abstr.) **(Fre)**
[Psychological and psychiatric aspects in cancerology] Razavi D. **Rev Med Liege** 1986 Sep 1;41(17):622–30 (38 ref.) **(Fre)**
[Somato-psychological relations] Junod JP. **Rev Med Suisse Romande** 1987 Mar;107(3):193–7 **(Fre)**
[Infection-caused mental disorders. Are they still topical in the antibiotic era?] Marneros A, et al. **Dtsch Med Wochenschr** 1987 May 15;112(20):796–800 (Eng. Abstr.) **(Ger)**
[Neuropeptides: a new link in the pathogenesis of psychiatric diseases] Bánki MC. **Orv Hetil** 1987 Jul 5;128(27):1391–5 (Eng. Abstr.) **(Hun)**
[Clinical observations on the psychopathological manifestations of systemic lupus erythematosus] Grecu G, et al. **Rev Med Interna [Neurol Psihiatr]** 1987 Jan–Mar; 32(1):43–55 (Eng. Abstr.) **(Rum)**
[Psychiatric manifestations of systemic lupus erythematosus and its prevalence in mental patients (letter)] Seguí J, et al. **Med Clin (Barc)** 1987 May 30;89(1):37 **(Spa)**
[Neuropsychologic disorders in HIV-infected patients] Eriksson H. **Lakartidningen** 1987 Jun 17;84(25):2200–2 **(Swe)**

FAMILIAL & GENETIC

Clinical methods in psychiatric genetics. III. Environmental stratification may simulate a genetic effect in adoption studies. Clerget-Darpoux F, et al. **Acta Psychiatr Scand** 1986 Oct;74(4):305–11
Clinical methods in psychiatric genetics. I. Robustness of genetic marker investigative strategies. Gershon ES, et al. **Acta Psychiatr Scand** 1986 Aug;74(2):113–8
Clinical methods in psychiatric genetics. II. The high risk approach. Goldin LR, et al. **Acta Psychiatr Scand** 1986 Aug;74(2):119–28
Family morbidity in patients with chronic pain [letter] Chaturvedi SK. **Am J Psychiatry** 1986 Nov;143(11):1496–7
Family-genetic studies of psychiatric disorders. Developing technologies. Weissman MM, et al. **Arch Gen Psychiatry** 1986 Nov;43(11):1104–16
Fragile 19p13 in a family with mental illness. Chodirker BN, et al. **Clin Genet** 1987 Jan;31(1):1–6
The new genetics and childhood psychiatric disorder. McGuffin P. **J Child Psychol Psychiatry** 1987 Mar; 28(2):215–22
The impact of diagnostic misclassification on the pattern of familial aggregation and coaggregation of psychiatric illness. Kendler KS. **J Psychiatr Res** 1987;21(1):55–91
Mentally speaking [editorial] **Nature** 1987 Apr 23–29; 326(6115):728
Genetic factors in suicide. Roy A. **Psychopharmacol Bull** 1986;22(3):666–8
Nature, nurture, and behavior [editorial] Koshland DE Jr. **Science** 1987 Mar 20;235(4795):1445
[Predictability of psychological development of children in the preschool age based on familial risk factors] Aronen E, et al. **Z Kinder Jugendpsychiatr** 1987;15(2):146–57 (Eng. Abstr.) **(Ger)**
[Mental health of the progeny of persons with endogenous affective disorders (catamnestic studies)] Stomma D, et al. **Psychiatr Pol** 1986 Sep–Oct;20(5):344–50 (Eng. Abstr.) **(Pol)**

HISTORY

From morality to madness: a reappraisal of the asylum movement in psychiatry 1800–1940. Kosky R. **Aust NZ J Psychiatry** 1986 Jun;20(2):180–7
Squibb academic lecture: attitudes towards mental illness in antiquity. Milns RD. **Aust NZ J Psychiatry** 1986 Dec; 20(4):454–62
Hobbesian principles in Szasz's writings. Laor N. **Clio Med** 1984;19(1–2):32–9
Some perceptions of mental disorder in pre-Petrine Russia. Dewey HW. **Med Hist** 1987 Jan;31(1):84–99
Insanity and its treatment in Islamic society. Dols MW. **Med Hist** 1987 Jan;31(1):1–14
Demonic possession and mental disorder in medieval and early modern Europe. Kemp S, et al. **Psychol Med** 1987 Feb;17(1):21–9
The adolescence of a thirteenth-century visionary nun. Kroll J, et al. **Psychol Med** 1986 Nov;16(4):745–56
Rings of madness: service areas of 19th century asylums in North America. Hunter JM, et al. **Soc Sci Med** 1986; 23(10):1033–50
[When did Bedřich Smetana die and from what mental disorder?] Vencovský E. **Cesk Psychiatr** 1986 Dec; 82(6):414–8 (Eng. Abstr.) **(Cze)**
[Madness, at the border between soul and body. Pigeaud (Jackie), "La maladie de l'âme--étude sur la relation de l'âme et du corps dans la tradition médico-philosophique antique". Essay review] Quétel C. **Clio Med** 1984; 19(1–2):159–63 **(Fre)**
[From the mentally ill poor to the poor mentally ill. A study of mental illness and insanity in baroque Rome] Kläui C. **Gesnerus** 1986;43(3–4):279–98 (Eng. Abstr.) **(Ger)**
[The opium cure in psychiatry. A contribution to the history of psychopharmacotherapy] Weber MM. **Sudhoffs Arch** 1987;71(1):31–61 (Eng. Abstr.) **(Ger)**
[Mental disorders in railroad workers during the heroic age of railroad development in Hungary (1846–1914)] Pisztora F. **Orv Hetil** 1987 May 31;128(22):1157–60 **(Hun)**
[Edvard Munch--during 1902–1909. A psychiatric study] Haugerud H. **Tidsskr Nor Laegeforen** 1987 Feb 28; 107(6):521–4 **(Nor)**

IMMUNOLOGY

Immunoglobulin and C3 abnormalities in acute psychiatric disorders. Ahokas A. **Acta Psychiatr Scand** 1986 Dec; 74(6):542–7
A brief tour of psychoneuroimmunology. Darko DF. **Ann Allergy** 1986 Oct;57(4):233–8 (42 ref.)
Can blood immunocytes be used to study neuropsychiatric disorders? Singh VK, et al. **J Clin Psychiatry** 1986 Dec; 47(12):592–5 (47 ref.)

METABOLISM

5-HT, a neurotransmitter for all seasons? van Kammen DP. **Biol Psychiatry** 1987 Jan;22(1):1–3
Reduced concentrations and increased metabolism of biogenic amines in a single case of Rett-syndrome: a postmortem brain study. Brücke T, et al. **J Neural Transm** 1987;68(3–4):315–24
Neuropeptides—clinicobiological implications in neurology and psychiatry. Lugoji G. **Neurol Psychiatr (Bucur)** 1987 Jan–Mar;25(1):3–14 (80 ref.)

MORTALITY

Suicide in psychiatric and non-psychiatric populations. Babigian HM, et al. **Acta Psychiatr Belg** 1986 Sep–Oct; 86(5):528–32
Canadian trends in mortality from mental disorders, 1965–1983. Newman SC, et al. **Acta Psychiatr Scand** 1987 Jul;76(1):1–7
Psychiatric and medical diagnoses as risk factors for mortality in psychiatric patients: a case-control study. Winokur G, et al. **Am J Psychiatry** 1987 Feb;144(2):208–11
Prospective studies of suicide and mortality in psychiatric patients. Black DW, et al. **Ann NY Acad Sci** 1986; 487:106–13
Cancer mortality in psychiatric patients: the Iowa Record-linkage Study. Black DW, et al. **Int J Psychiatry Med** 1986–87;16(3):189–97
The abridged census method as an estimator of lifetime risk. Chase GA, et al. **Psychol Med** 1986 Nov;16(4):865–71
Completed suicide in discharged psychiatric inpatients. Hoffmann H, et al. **Soc Psychiatry** 1987;22(2):93–8
[Mortality in patients attending a psychiatric service] Ribourdouille M, et al. **Acta Psychiatr Belg** 1986 Sep–Oct; 86(5):514–25 (Eng. Abstr.) **(Fre)**
[Increase in suicide rates in Scandinavian psychiatric hospitals] Retterstøl N. **Ann Med Psychol (Paris)** 1986 Jun; 144(6):545–54 **(Fre)**
[Mortality of hospitalized psychiatric patients--results of a 10-year study] Schwalb H, et al. **Fortschr Neurol Psychiatr** 1987 Mar;55(3):83–90 (Eng. Abstr.) **(Ger)**
[Suicidal actions of the mentally ill] Shul'ga AI, et al. **Zh Nevropatol Psikhiatr** 1986;86(8):1216–7 (Eng. Abstr.) **(Rus)**

NURSING

Nurses as educators [letter] Bernheim KF, et al. **Hosp Community Psychiatry** 1986 Dec;37(12):1266–7

The expanding role of the nurse and the contracting role of the hospital in Italy. Battaglia G. **Int J Soc Psychiatry** 1987 Summer;33(2):115–8

Case management with the chronically mentally ill. Baier M. **J Psychosoc Nurs Ment Health Serv** 1987 Jun; 25(6):17–20

Characteristics of restrictiveness. Garritson SH. **J Psychosoc Nurs Ment Health Serv** 1987 Jan;25(1):10–3, 17–9

Seclusion: organizing safe and effective care. Kendrick DW, et al. **J Psychosoc Nurs Ment Health Serv** 1986 Nov; 24(11):26–8

Ego function. Enhancement through social interaction. Morris MM, et al. **J Psychosoc Nurs Ment Health Serv** 1986 Dec;24(12):17–22

Patient classification. Illness acuity and nursing care needs. Pardue SF, et al. **J Psychosoc Nurs Ment Health Serv** 1986 Dec;24(12):23–30

The developmental evaluation center as a clinical setting for mental health nursing students. Frutiger AD, et al. **Perspect Psychiatr Care** 1985;23(1):27–32

Pitfalls to avoid and positive approaches in the nurse–adolescent relationship. Long KA. **Perspect Psychiatr Care** 1985;23(1):22–6

Psychiatric assessment in the home: applications in home care. Harris PE. **QRB** 1987 Apr;13(4):131–4

[Long-stay psychiatric patients in hospitals of the county of Aarhus. II. Assessment of the level of care] Barner-Rasmussen P, et al. **Ugeskr Laeger** 1987 Jun 1; 149(23):1552–5 (Eng. Abstr.) **(Dan)**

OCCURRENCE

Proceedings of the 3rd Congress of the International Federation of Psychiatric Epidemiology. Cooperation between clinicians and epidemiologists. Brussels, September 9–11, 1985. **Acta Psychiatr Belg** 1986 Jul–Aug; 86(4):337–508 **(Eng, Mul)**

Urban environment, marital status and mental disorders. An investigation of psychiatric new referrals to outpatient clinics from a geographically defined sector. Andersen JE. **Acta Psychiatr Scand** 1987 Jul;76(1):94–100

Mentally ill mothers and their children. An epidemiological study of antenatal care consumption, obstetric conditions, and neonatal health. Bågedahl-Strindlund M. **Acta Psychiatr Scand** 1986 Jul;74(1):32–40

Parapartum mental illness: timing of illness onset and its relation to symptoms and sociodemographic characteristics. Bågedahl-Strindlund M. **Acta Psychiatr Scand** 1986 Nov; 74(5):490–6

Schizophrenia: lifetime co-morbidity in a community sample. Bland RC, et al. **Acta Psychiatr Scand** 1987 Apr; 75(4):383–91

Psychiatric diagnostic categories in Saudi Arabia. el Sayed SM, et al. **Acta Psychiatr Scand** 1986 Dec;74(6):553–4

Mental health of small-town Kansas elderly: a report from the Great Plains. Scheidt RJ. **Am J Community Psychol** 1986 Oct;14(5):541–54

Difficult-to-recruit respondents and their effect on prevalence estimates in an epidemiologic survey. Cottler LB, et al. **Am J Epidemiol** 1987 Feb;125(2):329–39

Homeless children: a neglected population. Bassuk E, et al. **Am J Orthopsychiatry** 1987 Apr;57(2):279–86

Family environment, adjustment, and coping among children of Holocaust survivors: a comparative investigation. Rose SL, et al. **Am J Orthopsychiatry** 1987 Jul;57(3):332–44

Mental illness in Jerusalem [letter] **Am J Psychiatry** 1987 Jun;144(6):835–7

Psychiatric disorders in a community sample of adolescents [published erratum appears in Am J Psychiatry 1987 Aug;144(8):1114] Kashani JH, et al. **Am J Psychiatry** 1987 May;144(5):584–9

Distribution of treated mental illness in the neighborhoods of Jerusalem. Rahav M, et al. **Am J Psychiatry** 1986 Oct; 143(10):1249–54

Prevalence of mental illness in a community nursing home. Rovner BW, et al. **Am J Psychiatry** 1986 Nov; 143(11):1446–9

Psychiatric diagnoses of medical service users: evidence from the Epidemiologic Catchment Area Program. Kessler LG, et al. **Am J Public Health** 1987 Jan;77(1):18–24

DSM-III disorders in preadolescent children. Prevalence in a large sample from the general population. Anderson JC, et al. **Arch Gen Psychiatry** 1987 Jan;44(1):69–76

Six-month prevalence of specific psychiatric disorders among Mexican Americans and non-Hispanic whites in Los Angeles. Burnam MA, et al. **Arch Gen Psychiatry** 1987 Aug;44(8):687–94

The prevalence of specific psychiatric disorders in Puerto Rico. Canino GJ, et al. **Arch Gen Psychiatry** 1987 Aug; 44(8):727–35

Lifetime prevalence of specific psychiatric disorders among Mexican Americans and non-Hispanic whites in Los Angeles. Karno M, et al. **Arch Gen Psychiatry** 1987 Aug; 44(8):695–701

Ontario Child Health Study. II. Six-month prevalence of disorder and rates of service utilization. Offord DR, et al. **Arch Gen Psychiatry** 1987 Sep;44(9):832–6

Australian prisoners of war of the Japanese: post-war psychiatric hospitalisation and psychological morbidity. Tennant C, et al. **Aust NZ J Psychiatry** 1986 Sep; 20(3):334–40

Psychiatric disorders in mildly and severely mentally retarded urban children and adolescents: epidemiological aspects. Gillberg C, et al. **Br J Psychiatry** 1986 Jul; 149:68–74

Psychiatric disorder in the general hospital. Mayou R, et al. **Br J Psychiatry** 1986 Aug;149:172–90 (161 ref.)

Psychiatric morbidity in first-year undergraduates and the effect of brief psychotherapeutic intervention--a pilot study. Szulecka TK, et al. **Br J Psychiatry** 1986 Jul; 149:75–80

Two stage design in a community survey. Vázquez-Barquero JL, et al. **Br J Psychiatry** 1986 Jul;149:88–97

Impact of a handicapped child on mental health of parents. Romans-Clarkson SE, et al. **Br Med J [Clin Res]** 1986 Nov 29;293(6559):1395–7

A study of disturbed and non disturbed adolescents: the Toronto Adolescent Longitudinal Study. I. Golombek H, et al. **Can J Psychiatry** 1986 Aug;31(6):532–5

Emotional and physical health problems of battered women. Jaffe P, et al. **Can J Psychiatry** 1986 Oct;31(7):625–9

Personality functioning and clinical presentation in early adolescence. II. Stein BA, et al. **Can J Psychiatry** 1986 Aug;31(6):536–41

Changes in utilization of Danish psychiatric institutions. II. Census studies 1977 and 1982. Munk-Jørgensen P, et al. **Compr Psychiatry** 1986 Sep–Oct;27(5):416–29

Changes in utilization of Danish psychiatric institutions. I. An outline of the period 1957–1982. Weeke A, et al. **Compr Psychiatry** 1986 Sep–Oct;27(5):407–15

Use of psychiatric facilities in the Upper Bavarian follow-up field study. Meller I, et al. **Eur Arch Psychiatry Neurol Sci** 1986;236(2):88–93

The epidemiology of mental disorder in the elderly: a response to the Senate/AARP report. Kermis MD. **Gerontologist** 1986 Oct;26(5):482–7

Psychiatric disorders among children attending pediatric O.P.D. Bhalla M, et al. **Indian Pediatr** 1986 Aug; 23(8):623–6

Aging widows and widowers: are there mental health differences? Feinson MC. **Int J Aging Hum Dev** 1986; 23(4):241–55

Minority status, aging, and mental health. Markides KS. **Int J Aging Hum Dev** 1986;23(4):285–300 (73 ref.)

Trends of psychiatric disorders among children and adolescents in Bahrain. Al-Ansari A. **Int J Soc Psychiatry** 1987 Spring;33(1):46–9

Some observations on Ethiopian psychiatry. Giel R. **Isr J Psychiatry Relat Sci** 1986;23(1):39–48

Life events and other factors implicated in onset and in remission of psychiatric illness in women. Miller PM, et al. **J Affective Disord** 1987 Jan–Feb;12(1):73–88

The disturbed adolescent goes to college. Offer D, et al. **J Am Coll Health** 1987 Mar;35(5):209–14

Children with psychiatric disorders in primary care. Garralda ME, et al. **J Child Psychol Psychiatry** 1986 Sep; 27(5):611–24

Psychiatric care and course of psychiatric disorders from childhood to early adulthood in a representative sample. von Knorring AL, et al. **J Child Psychol Psychiatry** 1987 Mar;28(2):329–41

Acculturation and lifetime prevalence of psychiatric disorders among Mexican Americans in Los Angeles. Burnam MA, et al. **J Health Soc Behav** 1987 Mar; 28(1):89–102

An impatient diagnostic survey of older psychiatric patients. Manshadi MS, et al. **J Ky Med Assoc** 1986 Sep;84(9):483–6

Personality, functioning and symptomatology. Casey PR, et al. **J Psychiatr Res** 1986;20(4):363–74

Psychiatric disorders in general practice. Akhund F, et al. **JPMA** 1987 Jan;37(1):2–4

The psychiatric problems of life sentence prisoners. Taylor P. **Med Leg J** 1986;54 (Pt 4):203–18

Developing psychiatry. Epidemiological and social studies in Iran 1963–1976. Bash KW, et al. **Monogr Gesamtgeb Psychiatr (Berlin)** 1987;43:1–413

Chronic illness, disability, and mental and social well-being: findings of the Ontario Child Health Study. Cadman D, et al. **Pediatrics** 1987 May;79(5):805–13

Problems in setting up an executing large-scale psychiatric epidemiological studies. Offord DR, et al. **Psychiatr Dev** 1986 Autumn;4(3):257–72

Psychiatric morbidity in an Italian general practice. Bellantuono C, et al. **Psychol Med** 1987 Feb;17(1):243–7

Epidemiological aspects of psychiatric disorder in a Dutch health area. Hodiamont P, et al. **Psychol Med** 1987 May; 17(2):495–505

Are the lifetime prevalence estimates in the ECA study accurate? Parker G. **Psychol Med** 1987 May;17(2):275–82

A community mental health survey in Cantabria: a general description of morbidity. Vázquez-Barquero JL, et al. **Psychol Med** 1987 Feb;17(1):227–41

Minor psychiatric morbidity and general practice consultation: the West London Survey. Williams P, et al. **Psychol Med [Monogr Suppl]** 1986;9:1–37

Prevalence of some symptoms in adolescence and maturity: social phobias, anxiety symptoms, episodic illusions and idea of reference. Abe K, et al. **Psychopathology** 1986; 19(4):200–5

First admissions to a psychiatric hospital in Singapore--a prospective study. Leong OK. **Singapore Med J** 1986 Aug; 27(4):272–80

Monthly variation in the pattern of extramural psychiatric care. Balestrieri M, et al. **Soc Psychiatry** 1987;22(3):160–6

The National Institute of Mental Health--Epidemiologic Catchment Area (NIMH-ECA) program. Background, preliminary findings and implications. Klerman GL. **Soc Psychiatry** 1986;21(4):159–66

First psychiatric admission rates of first and second generation Afro Caribbeans. McGovern D, et al. **Soc Psychiatry** 1987;22(3):139–49

Psychiatric morbidity in three primary medical care clinics in the city of Sao Paulo. Issues on the mental health of the urban poor. Mari JJ. **Soc Psychiatry** 1987;22(3):129–38

Psychiatric morbidity in London's Greek-Cypriot immigrant community. I. Associations with sociodemographic variables. Mavreas VG, et al. **Soc Psychiatry** 1987; 22(3):150–9

Prevalence of psychiatric disorders in Athens. A community study. Mavreas VG, et al. **Soc Psychiatry** 1986;21(4):172–81

The effect of non-response bias on the results of two-stage screening surveys of psychiatric disorder. Williams P, et al. **Soc Psychiatry** 1986;21(4):182–6

Mental disorders and ecological structure in Nottingham. Giggs JA. **Soc Sci Med** 1986;23(10):945–61

[Mental health in Dutch children] Verhulst FC. **Ned Tijdschr Geneeskd** 1986 Nov 8;130(45):2036–40 (Eng. Abstr.) **(Dut)**

[The 3d Congress of the Fédération Internationale d'Epidémiologie Psychiatrique. Cooperation between clinicians and epidemiologists. Brussels, 9–11 September 1985. Proceedings] **Acta Psychiatr Belg** 1986 Sep–Oct; 86(5):510–650 **(Fre)**

[Risk indicators of mental decompensation in elderly subjects. Current results of the Décines-Meyzieu study started in 1978] Attalli G, et al. **Acta Psychiatr Belg** 1986 Jul–Aug; 86(4):431–8 (Eng. Abstr.) **(Fre)**

[Epidemiological study of psychiatric and psychosocial emergencies at the University Hospital of the Free University in Brussels (AZ-VUB)] Fischler B, et al. **Acta Psychiatr Belg** 1986 Jul–Aug;86(4):476–82 (Eng. Abstr.) **(Fre)**

[Role of epidemiology in the adaptation of a private psychiatric health system] Chanoit PF, et al. **Ann Med Psychol (Paris)** 1986 Jun;144(6):612–21 **(Fre)**

[A general survey of epidemiologic research in Norwegian psychiatry] Lavik NJ. **Ann Med Psychol (Paris)** 1986 Jun; 144(6):604–11 **(Fre)**

[Collection of epidemiologic data in childhood psychiatry] Nedey-Saiag MC, et al. **Ann Pediatr (Paris)** 1986 Oct; 33(8):721–5 (Eng. Abstr.) **(Fre)**

[Sudden infant death. Family and socio-cultural state and psycho-affective balance] de Bethmann O, et al. **Biomed Pharmacother** 1987;41(4):178–82 (Eng. Abstr.) **(Fre)**

[Psychiatric diseases in foreigners--hospitalization and nationality specific incidence. An epidemiologic study in Lower Saxony] Lazaridis K. **Nervenarzt** 1987 Apr; 58(4):250–5 **(Ger)**

[Changes in new psychiatric patients in a general hospital between 1971 and 1983: a statistical study] Hattori T, et al. **Seishin Shinkeigaku Zasshi** 1987;89(1):73–85 (Eng. Abstr.) **(Jpn)**

[Development of psychiatric morbidity in an urban population] Predescu V, et al. **Rev Med Interna [Neurol Psihiatr]** 1987 Jan–Mar; 32(1):57–75 **(Rum)**

[Clinico-epidemiologic characteristics of a contingent of patients from the geriatric psychiatry clinic of a territorial polyclinic] Gavrilova SI, et al. **Zh Nevropatol Psikhiatr** 1986;86(9):1352–7 (Eng. Abstr.) **(Rus)**

[Structure of mental diseases of the 2d half of life according to the results of an epidemiologic study] Khokhlov LK, et al. **Zh Nevropatol Psikhiatr** 1986;86(9):1349–52 (Eng. Abstr.) **(Rus)**

[Dynamics of neuropsychiatric disorders while engaged in occupational activities] Kokhanov VP, et al. **Zh Nevropatol Psikhiatr** 1986;86(11):1681–4 (Eng. Abstr.) **(Rus)**

[Clinical structure of neuropsychiatric disorders among workers at a large industrial enterprise] Polozhil BS. **Zh Nevropatol Psikhiatr** 1986;86(8):1200–3 (Eng. Abstr.) **(Rus)**

[Multidimensional analysis of the relation between the resources of the psychiatric service and the detection and prevalence of mental patients in regions of Siberia and the Far East] Potapov AI, et al. **Zh Nevropatol Psikhiatr** 1987; 87(3):437–41 (Eng. Abstr.) **(Rus)**

[Prevalence of the major mental illnesses (review)] Rotshtein VG, et al. **Zh Nevropatol Psikhiatr** 1987;87(6):931–5 (109 ref.) **(Rus)**

[Adjusted rates of the incidence of mental disorders in 2 populations in general clinical practice] Más Condes C, et al. **Acta Psiquiatr Psicol Am Lat** 1986 Dec;32(4):307–12 (Eng. Abstr.) **(Spa)**

[Prevalence of possible mental pathology in a pediatric surgery service] Giráldez Alonso MI, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1987 Mar–Apr;15(2):87–92 (Eng. Abstr.) **(Spa)**

[Psychiatric emergencies in Salamanca in 1985] Pérez Urdániz A, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1987 Jan–Feb;15(1):45–7 (Eng. Abstr.) **(Spa)**

[Psychiatric morbidity in primary health care in Mexico City] Gutiérrez Avila JH, et al. **Bol Of Sanit Panam** 1986 Dec; 101(6):648–59 (Eng. Abstr.) **(Spa)**

[Psychiatric morbidity in patients admitted to a general hospital] Cirera E, et al. **Med Clin (Barc)** 1986 Nov 15; 87(16):661–4 (Eng. Abstr.) **(Spa)**

[The neuropsychiatry service in current primary care: an investigation including critical results (II)] Tizón JL, et al. **Rev Sanid Hig Publica (Madr)** 1986 Jul–Aug; 60(7–8):711–44 (Eng. Abstr.) **(Spa)**

[Needs and demands for care in mental health services] Caraveo J, et al. **Salud Publica Mex** 1986 Sep–Oct; 28(5):504–14 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Brain imaging in functional mental disorders. Young T, et al. **Can J Psychiatry** 1986 Oct;31(7):675–80

PHYSIOPATHOLOGY

Epileptiform abnormalities discovered on electroencephalographic screening of psychiatric inpatients. Bridgers SL. **Arch Neurol** 1987 Mar;44(3):312–6

Water homeostasis in psychiatric patients. Zubenko GS. **Biol Psychiatry** 1987 Feb;22(2):121–5

Psychosomatic aspects of changes in body weight during a long sea voyage. Szeluga J. **Bull Inst Marit Trop Med Gdynia** 1985;36(1–4):43–9

Applications of cognitive ERPs in psychiatric patients. Roth WT, et al. **Electroencephalogr Clin Neurophysiol [Suppl]** 1986;38:419–38

CNV and dopamine receptor reactivity: correlations with the apomorphine test. Timsit-Berthier M, et al. **Electroencephalogr Clin Neurophysiol [Suppl]** 1986;38:403–5

EEG frequency spectrum and differential effects of aging on intellectual capacities in mental patients. Liberson WT, et al. **Electromyogr Clin Neurophysiol** 1986 Aug–Sep; 26(5–6):385–8

Neural plasticity vs. disease. Focus on the NMDA receptor in epilepsy and mental disorders. Beverly Hills, California, U.S.A., March 30–31, 1987. Abstracts. **Epilepsia** 1987 Jul–Aug;28(4):445–9

Halstead's Category Test: withstanding the test of time. Finlayson MA, et al. **J Clin Exp Neuropsychol** 1986 Dec; 8(6):706–9

Varieties of perseveration: a comparison of two taxonomies. Goldberg E. **J Clin Exp Neuropsychol** 1986 Dec; 8(6):710–26

The body and its mind. Conn JH. **Md Med J** 1987 Feb; 36(2):133

Patterns of EEG dysfunction in general hospital psychiatry. van Sweden B, et al. **Neuropsychobiology** 1986; 16(2–3):131–4

Endogenous opiates: 1985. Olson GA, et al. **Peptides** 1986 Sep–Oct;7(5):907–33 (406 ref.)

Psychiatric disorders: neurotransmitters and neuropeptides. **Prog Brain Res** 1986;65:1–275

Clinical relevance of neuropeptide research. Marsden CD. **Prog Brain Res** 1986;66:369–74

Multiple hormonal responses to morphine: relationship to diagnosis and dexamethasone suppression. Banki CM, et al. **Psychoneuroendocrinology** 1987;12(1):3–11

[Specificity and diversity of psychopathology in the adolescent. Apropos of symptoms and behaviors involving the body] Renard L, et al. **Ann Pediatr (Paris)** 1986 Oct; 33(8):663–9 (Eng. Abstr.) **(Fre)**

[Catecholamines in selected mental disorders in children] Orgacka H, et al. **Psychiatr Pol** 1986 Nov–Dec; 20(6):474–82 (41 ref.) **(Pol)**

[The simplest form of emotional–motor reaction in man] Krylov IN, et al. **Zh Vyssh Nerv Deiat** 1987 Jan–Feb; 37(1):31–7 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Epidemiology as basis for preventive intervention. Dalgard OS. **Acta Psychiatr Belg** 1986 Jul–Aug;86(4):470–5

Stress–coping–support in rural communities: a model for primary prevention. Kenkel MB. **Am J Community Psychol** 1986 Oct;14(5):457–78

Terms of empowerment/exemplars of prevention: toward a theory for community psychology. Rappaport J. **Am J Community Psychol** 1987 Apr;15(2):121–48

Prevention: a word whose time has come. Bower EM. **Am J Orthopsychiatry** 1987 Jan;57(1):4–5

Social and community interventions. Gesten EL, et al. **Annu Rev Psychol** 1987;38:427–60 (276 ref.)

Mental health problems of encamped refugees. Guatemalan refugees in Mexican camps, 1978–1984. Urrutia G. **Bull Menninger Clin** 1987 Mar;51(2):170–85

Doubts about prevention [letter] Bouricius JK. **Hosp Community Psychiatry** 1987 May;38(5):532–3

Parental structure and ways of interaction in relation to the development of impaired newborns in the first year of life. Fava Vizziello GM, et al. **Ital J Neurol Sci** 1986 Apr;Suppl 5:73–8

Use of the Child Behavior Checklist as a screening instrument for epidemiological research in child psychiatry: results of a pilot study. Bird HR, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Mar;26(2):207–13

Prevention of behavioral and emotional disorders in children. Offord DR. **J Child Psychol Psychiatry** 1987 Jan;28(1):9–19

Effectiveness of the Mini-Mult in detecting MMPI pathology in the blind. Needham WE, et al. **J Clin Psychol** 1986 Nov; 42(6):887–90

Medical and social efficiency in implementing curative–prophylactic programme in psychogenous disease in local industries. Volkov VS, et al. **Sante Publique (Bucur)** 1986 Apr–Jun;29(2):111–8

Psychiatric screening in general practice in Italy. A validity study of the GHQ (General Health Questionnaire). Bellantuono C, et al. **Soc Psychiatry** 1987;22(2):113–7

An integrated approach to safeguarding mental health. Hollander D. **Trop Doct** 1987 Jan;17(1):13–7

[Preventive treatment: I] Braun P. **Z Klin Psychol Psychopathol Psychother** 1987;35(1):26–37 **(Ger)**

[Role of social and psychological factors in the prevention of mental disorders in adolescents] Kantonistova NS, et al. **Gig Sanit** 1987 Jun;(6):32–5 **(Rus)**

[Prevention of neuropsychiatric disorders and health promotion of industrial workers] Beliaeva GG. **Sov Zdravookhr** 1987;(3):11–5 (Eng. Abstr.) **(Rus)**

[Complex treatment and prevention of neurovegetative disorders of work adaptation in industry] Kurako IuL, et al. **Vrach Delo** 1987 Jun;(6):93–7 (Eng. Abstr.) **(Rus)**

[Prevention of endogenous (multifactorial) mental disorders] Anufriev AK. **Zh Nevropatol Psikhiatr** 1987;87(6):873–6 (Eng. Abstr.) **(Rus)**

[The Cornell Medical Index as a screening instrument for somatic and/or psychiatric pathology in a rural community] Alonso Sánchez M, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1987 Mar–Apr;15(2):57–65 (Eng. Abstr.) **(Spa)**

[Prevention and treatment of psychiatric and neurologic diseases] Florenzano Urzúa R. **Bol Of Sanit Panam** 1986 Dec;101(6):593–610 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Psychiatric disorders, spouse abuse and child abuse. Bland RC, et al. **Acta Psychiatr Belg** 1986 Jul–Aug;86(4):444–9

Transcultural differences in the perception of life events. Baratta S, et al. **Acta Psychiatr Scand** 1987 May; 75(5):509–15

Social epidemiology of mental disorders. A review of Latin-American studies. de Almeida-Filho N. **Acta Psychiatr Scand** 1987 Jan;75(1):1–10

Mental disorder at seventy in relation to social factors and attitudes during life. Holmberg I, et al. **Acta Psychiatr Scand** 1986 Aug;74(2):168–77

Attitudes towards mental illness in the Athens area: implications for community mental health intervention. Madianos MG, et al. **Acta Psychiatr Scand** 1987 Feb; 75(2):158–65

"Ode Ori": a culture-bound disorder with prominent somatic features in Yoruba Nigerian patients. Makanjuola RO. **Acta Psychiatr Scand** 1987 Mar;75(3):231–6

Mental health in the population approaching retirement age. Preliminary findings of the TURVA project. Mattila V, et al. **Acta Psychiatr Scand** 1987 Feb;75(2):195–201

Continuity of formal thought disorder from childhood to adulthood in a high-risk sample. Parnas J, et al. **Acta Psychiatr Scand** 1986 Sep;74(3):246–51

Sociocultural matrix of adolescent psychopathology. Bayrakal S. **Adolesc Psychiatry** 1987;14:112–8

Environmental adaptation of the mental patient. Lehmann S, et al. **Am J Community Psychol** 1978 Apr;6(2):115–24

Marks and classroom adjustment as early indicators of mental health at age twenty. Spivack G, et al. **Am J Community Psychol** 1987 Feb;15(1):35–55

Let's create diagnoses psych nurses can use. Berry KN. **Am J Nurs** 1987 May;87(5):707–8

Stress, competence, and development: continuities in the study of schizophrenic adults, children vulnerable to psychopathology, and the search for stress-resistant children. Garmezy N. **Am J Orthopsychiatry** 1987 Apr; 57(2):159–74 (79 ref.)

The discharged psychiatric patient: a review of social, social-psychological, and psychiatric correlates of outcome. Avison WR, et al. **Am J Psychiatry** 1987 Jan; 144(1):10–8 (58 ref.)

Prevention of episodic water intoxication with target weight procedure. Goldman MB, et al. **Am J Psychiatry** 1987 Mar; 144(3):365–6

Families, patients, and mental health professionals: toward a new collaboration [editorial] Grunebaum H. **Am J Psychiatry** 1986 Nov;143(11):1420–1

The clinical significance of command hallucinations. Hellerstein D, et al. **Am J Psychiatry** 1987 Feb; 144(2):219–21

Expectations and outcomes for patients given mental health care or spiritist healing in Puerto Rico. Koss JD. **Am J Psychiatry** 1987 Jan;144(1):56–61

Brief psychiatric hospitalization: what are its effects? Lieberman PB, et al. **Am J Psychiatry** 1986 Dec; 143(12):1557–62

Predictive validity of judgments of dangerousness in emergency civil commitment. McNiel DE, et al. **Am J Psychiatry** 1987 Feb;144(2):197–200

The psychodynamic formulation: its purpose, structure, and clinical application. Perry S, et al. **Am J Psychiatry** 1987 May;144(5):543–50

More on crime among the mentally ill [letter] Sosowsky L. **Am J Psychiatry** 1986 Oct;143(10):1325–6

Serious assaults by outpatients or former patients. Reid WH, et al. **Am J Psychother** 1986 Oct;40(4):594–600

Incompetency to stand trial. Appropriateness and outcome. Lamb HR. **Arch Gen Psychiatry** 1987 Aug;44(8):754–8

A psychobiologic analysis of cognitive failures. Structure and mechanisms. Tariot PN, et al. **Arch Gen Psychiatry** 1986 Dec;43(12):1183–8

Some statistics for analysing change in psychiatric research. Hadzi-Pavlovic D. **Aust NZ J Psychiatry** 1986 Dec; 20(4):438–51

Alcoholism and psychiatric disorder. Peace K, et al. **Aust NZ J Psychiatry** 1987 Mar;21(1):94–101

Psychiatric disturbance and decision-making. Radford MH, et al. **Aust NZ J Psychiatry** 1986 Jun;20(2):210–7

Psychiatry 'at the coal-face'. Raphael B. **Aust NZ J Psychiatry** 1986 Sep;20(3):316–32

Staff resistance to interpretive psychotherapy in the in-patient community meeting. Winer JA, et al. **Br J Med Psychol** 1987 Mar;60 (Pt 1):39–44

What to do with the young adult chronic patient? [clinical conference] Harper PN, et al. **Bull Menninger Clin** 1987 Mar;51(2):186–96

The tilted family. Falconer CW, et al. **Can J Psychiatry** 1986 Oct;31(7):649–52

The difficult inpatient: identification and response by staff. Gallop R, et al. **Can J Psychiatry** 1987 Apr;32(3):211–5

A long-range follow-up study of former inpatients at a children's psychiatric hospital. Parham C, et al. **Child Psychiatry Hum Dev** 1987 Spring;17(3):199–209

Differences among emotionally disturbed children in three treatment and school settings: discriminant function and multiple regression analysis. Stotsky BA, et al. **Child Psychiatry Hum Dev** 1987 Summer;17(4):235–41

An interview with the parent of a chronic mentally ill daughter. Berren M. **Community Ment Health J** 1986 Fall; 22(3):238–46

The public image of suicide: attitudes toward suicide and mental illness. Ruiz Ruiz M, et al. **Crisis** 1986 Sep;7(2):84–8

Types of hospital suicide and depression: some selected results of a study on suicides committed during psychiatric hospitalization. Wolfersdorf MG, et al. **Crisis** 1987 Mar; 8(1):37–48

Conceptualization of psychiatric illness and help-seeking behavior among Chinese. Cheung FM. **Cult Med Psychiatry** 1987 Mar;11(1):97–106

The position of psychiatry in alcohol dependence. Blankfield A. **Drug Alcohol Depend** 1987 May;19(3):259–64

Predictors for the social adjustment of first admitted psychiatric patients. Bell V, et al. **Eur Arch Psychiatry Neurol Sci** 1986;236(3):174–8

Health care practices and health status of the mentally ill in the community. Lieberman AA, et al. **Health Soc Work** 1987 Winter;12(1):29–37

Geographic mobility and the homeless mentally ill. Bachrach LL. **Hosp Community Psychiatry** 1987 Jan;38(1):27–8

Categorizing patients [letter] Hankoff LD. **Hosp Community Psychiatry** 1987 Jun;38(6):670–1

The prosecution of psychiatric patients for assaults on staff: a preliminary empirical study. Hoge SK, et al. **Hosp Community Psychiatry** 1987 Jan;38(1):44–9

The failure of routine assessment to detect histories of assault experienced by psychiatric patients. Jacobson A, et al. **Hosp Community Psychiatry** 1987 Apr;38(4):386–9

A parents' survey of problems faced by mentally ill daughters. Jennings A, et al. **Hosp Community Psychiatry** 1987 Jun;38(6):668–70

Factors affecting the decision to prosecute mental patients for criminal behavior. Miller RD, et al. **Hosp Community Psychiatry** 1987 Jan;38(1):50–5

Mediating retention or release of the potentially dangerous patient. Schwartz HI, et al. **Hosp Community Psychiatry** 1987 Jan;38(1):75–7

Reframing the research question of mental patient criminality. Mulvey EP, et al. **Int J Law Psychiatry** 1986;9(1):57–65

Laterality, torque and personality. Strom DA, et al. **Int J Neurosci** 1987 Apr;33(3–4):179–84

Inflammatory bowel disease: psychiatric status of patients before and after disease onset. Tarter RE, et al. **Int J Psychiatry Med** 1987;17(2):173–81

Positive projective identification. Hamilton NG. **Int J Psychoanal** 1986;67 (Pt 4):489–96

The effectiveness of a cultural milieu on hospitalized Hispanic patients. Herrera JM. **Int J Psychosom** 1987;34(1):6–8

Causal attributions for psychological illness among Turkish psychiatric in-patients and their relationships with hope. Karanci NA. **Int J Soc Psychiatry** 1986 Winter;32(4):3–12

Technology and the manufacture of madness: a new dimension. Murphy JW, et al. **Int J Soc Psychiatry** 1986 Autumn;32(3):41–6

Bargaining a will for madmen. Laor N. **Isr J Psychiatry Relat Sci** 1986;23(3):183–93

Locus of control and achievement in child psychiatric inpatients. Blount RL, et al. **J Abnorm Child Psychol** 1987 Jun;15(2):175–9

Risk factors and the Child Behavior Checklist in a child mental health center setting. Mooney KC, et al. **J Abnorm Child Psychol** 1987 Mar;15(1):67–73

Physical attractiveness and self-perception of mental disorder. Burns GL, et al. **J Abnorm Psychol** 1987 May; 96(2):161–3

Psychopathology and marital distress: the positive side of positive symptoms. Hooley JM, et al. **J Abnorm Psychol** 1987 Feb;96(1):27–33

Method to study anhedonia in hospitalized psychiatric patients. Miller RE. **J Abnorm Psychol** 1987 Feb;96(1):41–5

Psychometric structure of psychiatric rating scales.

Montgomery LM, et al. **J Abnorm Psychol** 1987 May; 96(2):167–70

Evaluating ego defense mechanisms using clinical interviews: an empirical study of adolescent diabetic and psychiatric patients. Jacobson AM, et al. **J Adolesc** 1986 Dec; 9(4):303–19

Stigma and psychiatric day care. Teasdale K. **J Adv Nurs** 1987 May;12(3):339–46

Hallucinatory experiences in nonpsychotic children. Kotsopoulos S, et al. **J Am Acad Child Adolesc Psychiatry** 1987 May; 26(3):375–80

Assaultive behavior in child psychiatric inpatients, outpatients, and nonpatients. Pfeffer CR, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Mar;26(2):256–61

Family composition and child psychiatric disorders. Steinhausen HC, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Mar;26(2):242–7

How do emotionally disturbed children report their competencies and self-worth? Zimet SG, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Jan;26(1):33–8

Trends in violence among psychiatrically hospitalized adolescents: 1969 and 1979 compared. Inamdar SC, et al. **J Am Acad Child Psychiatry** 1986 Sep;25(5):704–7

Children's attitudes toward the mentally ill as reflected in human figure drawings and stories. Poster EC, et al. **J Am Acad Child Psychiatry** 1986 Sep;25(5):680–6

Receptivity and planned change: community attitudes and deinstitutionalization. Wilmoth GH, et al. **J Appl Psychol** 1987 Feb;72(1):138–45

Life events do not predict symptoms: symptoms predict symptoms. Grant I, et al. **J Behav Med** 1987 Jun; 10(3):231–40

Do age and sex influence the association between recent life events and psychiatric disorders in children and adolescents?—A controlled enquiry. Goodyer IM, et al. **J Child Psychol Psychiatry** 1986 Sep;27(5):681–7

Fifteenth annual International Neuropsychological Society meeting. February 18–21, 1987, Washington, DC. Abstracts. **J Clin Exp Neuropsychol** 1987 Jan;9(1):12–83

Cognitive disabilities: measuring the social consequences of mental disorders. Allen CK, et al. **J Clin Psychiatry** 1987 May;48(5):185–90

Patients who bring weapons to the psychiatric emergency room. McNiel DE, et al. **J Clin Psychiatry** 1987 Jun; 48(6):230–3

Treatment of the elderly agitated patient. Salzman C. **J Clin Psychiatry** 1987 May;48 Suppl:19–22

A scale for the assessment of object relations: reliability, validity, and factorial invariance. Bell M, et al. **J Clin Psychol** 1986 Sep;42(5):733–41

Cognitive and somatic item response pattern of pain patients, psychiatric patients, and hospital employees. Buckelew SP, et al. **J Clin Psychol** 1986 Nov;42(6):852–60

The Missouri Inpatient Behavior Scale. Evenson RC, et al. **J Clin Psychol** 1987 Jan;43(1):100–10

Comparison of MMPI clinical scale and critical item changes of adult outpatients and parents of child psychiatry outpatients during the 1970s. Holmes GR, et al. **J Clin Psychol** 1986 Nov;42(6):913–6

Comparison of the PPVT-R and WAIS-R in state hospital psychiatric patients. Mangiaracina J, et al. **J Clin Psychol** 1986 Sep;42(5):817–20

Social perception and communication skills among schizophrenics and nonschizophrenics. Monti PM, et al. **J Clin Psychol** 1987 Mar;43(2):197–205

Factor structure of the WISC-R and ITPA for learning-disabled, emotionally disturbed, and control children. Sutter EG, et al. **J Clin Psychol** 1986 Nov; 42(6):975–8

Age-corrected norms for Shipley Institute of Living Scale scores derived from psychiatric inpatients. Tamkin AS, et al. **J Clin Psychol** 1987 Jan;43(1):138–42

Grandparenting: normal and pathological—a preliminary communication from the Grandparent Study. Kornhaber A. **J Geriatr Psychiatry** 1986;19(1):19–37

Gender role orientation and styles of pathology among adolescents. Horwitz AV, et al. **J Health Soc Behav** 1987 Jun;28(2):158–70

Contact with the mentally ill and perceptions of how dangerous they are. Link BG, et al. **J Health Soc Behav** 1986 Dec;27(4):289–302

Dimensions of life stress in psychiatric patients. Pilkonis PA, et al. **J Human Stress** 1985 Spring;11(1):5–10

Psychotherapy and black women: a survey. Gray BA, et al. **J Natl Med Assoc** 1987 Feb;79(2):177–81

The Mini Mental State in those with developmental disabilities. Myers BA. **J Nerv Ment Dis** 1987 Feb; 175(2):85–9

Dysfunctional attitudes in former psychiatric inpatients. Schrader G, et al. **J Nerv Ment Dis** 1986 Nov;174(11):660–3

The role of brief instructions and suggestibility in the elicitation of auditory and visual hallucinations in normal and psychiatric subjects. Young HF, et al. **J Nerv Ment Dis** 1987 Jan;175(1):41–8

Resilience in children at high risk for psychological disorder. O'Grady D, et al. **J Pediatr Psychol** 1987 Mar;12(1):3–23

Relation of intelligence to ego functioning in an adult psychiatric population. Allen JG, et al. **J Pers Assess** 1986 Summer;50(2):212–21

Does coping help? A reexamination of the relation between coping and mental health. Aldwin CM, et al. **J Pers Soc Psychol** 1987 Aug;53(2):337–48

Fantasy proneness and psychopathology. Rhue JW, et al. **J Pers Soc Psychol** 1987 Aug;53(2):327–36

Social support in suicidal inpatients. Mullis MR, et al. **J Psychosoc Nurs Ment Health Serv** 1987 Apr;25(4):16–9

Violence and behavior control. Sclafani M. **J Psychosoc Nurs Ment Health Serv** 1986 Nov;24(11):8–13

Psychiatric hospital admissions. Assessing patients' perceptions. Sebastian L. **J Psychosoc Nurs Ment Health Serv** 1987 Jun;25(6):25–8

Marriage and mental health. Segraves RT. **J Sex Marital Ther** 1980 Fall;6(3):187–98

Similarities in self-depictions of female alcoholics and psychiatric outpatients: examination of Eysenck's dimension of emotionality in women. MacAndrew C. **J Stud Alcohol** 1986 Nov;47(6):478–84

Psychiatric patients and their notes [letter] Frankel M. **Lancet** 1987 Jan 17;1(8525):162–3

The cancer patient with pain: psychiatric complications and their management. Massie MJ, et al. **Med Clin North Am** 1987 Mar;71(2):243–58 (38 ref.)

The psychiatric disorders of midlife. Schindler BA. **Med Clin North Am** 1987 Jan;71(1):71–85 (56 ref.)

Influence of ABO blood type on symptomatology among outpatients: study and replication. Boyer WF. **Neuropsychobiology** 1986;16(1):43–6

Family empowerment through self-help groups. Battaglino L. **New Dir Ment Health Serv** 1987 Summer;(34):43–51

The stigma of mental illness. Flynn LM. **New Dir Ment Health Serv** 1987 Summer;(34):53–60

Systems resistance to effective family coping. Hatfield AB. **New Dir Ment Health Serv** 1987 Spring;(33):51–62

Professional-family collaboration. Johnson DL. **New Dir Ment Health Serv** 1987 Summer;(34):73–9

Sources of distress among families of the hospitalized mentally ill. McElroy EM. **New Dir Ment Health Serv** 1987 Summer;(34):61–72

Out of the streets and into the subculture: psychiatry's problem from a patient's perspective. Sharp ML. **New Dir Ment Health Serv** 1987 Spring;(33):63–74

Psychiatric inpatients' perception of the seclusion-room experience. Richardson BK. **Nurs Res** 1987 Jul-Aug; 36(4):234–8

Psychiatric disturbance in patients with oral lichen planus. Hampf BG, et al. **Oral Surg Oral Med Oral Pathol** 1987 Apr;63(4):429–32

Behavioral manifestations of misguided entitlement. Kerr NJ. **Perspect Psychiatr Care** 1985;23(1):5–15

Psychiatric disturbances occurring during levodopa therapy of Parkinson's disease. Lloyd KG. **Primary Care** 1977 Sep; 4(3):561–75

Validation criteria for animal models of human mental disorders: learned helplessness as a paradigm case. Willner P. **Prog Neuropsychopharmacol Biol Psychiatry** 1986; 10(6):677–90

Major mental illness and childbearing. A role for the consultation-liaison psychiatrist in obstetrics. Casiano ME, et al. **Psychiatr Clin North Am** 1987 Mar;10(1):35–51

Sex differences in psychiatric disorders: origins and developmental influences. Earls F. **Psychiatr Dev** 1987 Spring;5(1):1–23

The matter of time in psychiatry: a preliminary report. Denber HC. **Psychiatr J Univ Ottawa** 1986 Dec; 11(4):210–22

The concept of noise. Sands S, et al. **Psychiatry** 1986 Nov; 49(4):290–7

Developmental approaches to the psychology of religion. Fitzgibbons J. **Psychoanal Rev** 1987 Spring;74(1):125–34

Sex biases in mental health scales: do women tend to report less serious symptoms and confide more than men? Tousignant M, et al. **Psychol Med** 1987 Feb;17(1):203–15

Lunar phase and acting-out behavior. Durm MW, et al. **Psychol Rep** 1986 Oct;59(2 Pt 2):987–90

Utility of the Mini-Mult in a community mental health setting. Franco JN. **Psychol Rep** 1986 Oct;59(2 Pt 2):959–62

Adjustment to relocation of long-stay patients with a psychiatric hospital setting. Hills AA. **Psychol Rep** 1987 Feb;60(1):123–8

Long-term stability of the Rational Behavior Inventory and the General Health Questionnaire. Sanderman R, et al. **Psychol Rep** 1987 Apr;60(2):637–8

Psychometric and demographic characteristics of the psychopathology instrument for mentally retarded adults. Aman MG, et al. **Psychopharmacol Bull** 1986;22(4):1072–6

The nature and types of mental illness in the mentally retarded. Menolascino FJ, et al. **Psychopharmacol Bull** 1986;22(4):1060–71

Care of the psychiatric patient in the radiography department. Borley V. **Radiography** 1986 Jul-Aug; 52(604):171–2

A family affair. Helping families cope with mental illness: a guide for the professions. Committee on Psychiatry and the Community. Group for the Advancement of Psychiatry. **Rep Group Adv Psychiatry** 1986;(119):1–102

Ethological aspects of psychiatry. Dixon AK. **Schweiz Arch Neurol Psychiatr** 1986;137(5):151–63

The association between legal charge and psychiatric diagnosis in a competency-to-stand-trial population. Reich J, et al. **Soc Psychiatry** 1986;21(4):206–9

Single parent women. A community study. Weissman MM, et al. **Soc Psychiatry** 1987;22(1):29–36

Mental disorders and suicidal intention. Litman RE. **Suicide Life Threat Behav** 1987 Summer;17(2):85–92

Industrialization and mental health in Korea. Lee HY. **Yonsei Med J** 1986;27(4):245–9

[Life events, risk factor or risk indicator?] Amiel-Lebigre F. **Acta Psychiatr Belg** 1986 Jul-Aug;86(4):425–30 (Eng. Abstr.) (Fre)

[Evaluation of pathogenic events in psychiatric patients using the anamnestic fiches of the AMDP system] Rein W, et al. **Acta Psychiatr Belg** 1987 Mar-Apr;87(2):141–58 (Eng. Abstr.) (Fre)

[Perverse discourse] Bertrand C, et al. **Ann Med Psychol (Paris)** 1986 Dec;144(10):1061–84 (Eng. Abstr.) (Fre)

[Insane, these women?] Nicolas P, et al. **Ann Med Psychol (Paris)** 1987 Feb;145(2):164–9 (Fre)

[Genesis of functional geriatric psychopathology] Wertheimer J. **Rev Med Suisse Romande** 1986 Sep; 106(9):861–7 (Fre)

[Psychiatry and crisis. The demands of society] Foëx J. **Schweiz Arch Neurol Psychiatr** 1986;137(6):9–16 (Fre)

[Psychiatric crisis in an open hospital] Henking R. **Schweiz Arch Neurol Psychiatr** 1986;137(6):51–7 (Fre)

[The psychiatry of crisis] Rey-Bellet J. **Schweiz Arch Neurol Psychiatr** 1986;137(6):5–7 (Fre)

[Psychopathologic characteristics of Portugese children in a Paris consultation center. A comparative study] Fombonne E, et al. **Soc Psychiatry** 1987;22(1):58–64 (Eng. Abstr.) (Fre)

[Pseudohallucinations] Spitzer M. **Fortschr Neurol Psychiatr** 1987 Mar;55(3):91–7 (Eng. Abstr.) (Ger)

[Does psychiatry understand the psychiatric patient?] Degkwitz R. **Med Klin** 1987 Jun 5;82(12–13):456–9 (Ger)

[Conflict and crisis in female adolescence] Remschmidt H. **Monatsschr Kinderheilkd** 1987 Jul;135(7):386–91 (Ger)

[Suicide in inpatient psychiatric treatment] Armbruster B. **Nervenarzt** 1986 Sep;57(9):511–6 (Ger)

["... a God told me, what I suffer"—emancipation and method] Lorenzer A. **Psyche (Stuttg)** 1986 Dec;40(12):1051–62 (Eng. Abstr.) (Ger)

[Sense and nonsense in the social psychiatry concept] Weise K. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Dec; 38(12):689–93 (Eng. Abstr.) (Ger)

[Health, luck, and satisfaction in the light of a catamnestic study of psychiatric patients and healthy probands] von Zerssen D, et al. **Psychother Psychosom Med Psychol** 1987 Mar-Apr;37(3–4):83–96 (Eng. Abstr.) (Ger)

[Incidence of psychiatric symptoms in 4- to 8-year-old children with unintelligible speech] Amorosa H, et al. **Z Kinder Jugenpsychiatr** 1986;14(4):289–95 (Eng. Abstr.) (Ger)

[Religious aspects in child psychiatry. A taboo topic?] Merz M. **Z Kinder Jugenpsychiatr** 1986;14(4):319–27 (Eng. Abstr.) (Ger)

[Biographical correlates of mental health in advanced age: effect of stressful and positive life change events] Becker P. **Z Klin Psychol Psychopathol Psychother** 1986; 34(4):293–307 (Ger)

[Aspects of the detection of psychological stress conditions in the elderly] Noack M. **ZFA** 1986 Nov-Dec;41(6):371–4 (Ger)

[Psychiatry and abortion. Problems of denial, ambivalence and mourning in the interruption of pregnancy for psychiatric reasons] Gabrielli F, et al. **Minerva Psichiatr** 1986 Jul-Sep;27(3):255–67 (Eng. Abstr.) (Ita)

[A study on the family support system for the mentally disabled from the perspective of its function and resources] Oshima I. **Seishin Shinkeigaku Zasshi** 1987;89(3):204–41 (Eng. Abstr.) (Jpn)

[Evaluation of life events during hospitalization in a psychiatric institution] Zucha I, et al. **Cas Lek Cesk** 1986 Aug 8;125(32):1004–6 (Eng. Abstr.) (Slo)

REHABILITATION

Case management with the chronically mentally ill: a clinical perspective. Harris M, et al. **Am J Orthopsychiatry** 1987 Apr;57(2):296–302

The Vermont longitudinal study of persons with severe mental illness, I: Methodology, study sample, and overall status 32 years later. Harding CM, et al. **Am J Psychiatry** 1987 Jun;144(6):718–26

Rehabilitation of the mentally ill: psychosocial, vocational, and community support perspectives. Stratoudakis JP. **Annu Rev Rehabil** 1986;5:253–82

Using contingency contracting to modify the problematic behaviors of foster home residents. Upper D, et al. **Behav Modif** 1977 Jul;1(3):405–16

Community care of the acutely mentally ill. Hoult J. **Br J Psychiatry** 1986 Aug;149:137–44

Long-term psychiatric patients in the community [editorial] Jones K, et al. **Br J Psychiatry** 1986 Nov;149:537–40

A haven for the severely disabled within the context of a comprehensive psychiatric community service. Wing JK, et al. **Br J Psychiatry** 1986 Oct;149:449–57

Supervising placements of psychiatric patients in family settings. A Bowen Family Systems approach. Davis AW. **Bull Menninger Clin** 1987 Jul;51(4):361–72

Resident training in chronic care and rehabilitation. Packer S. **Can J Psychiatry** 1987 Mar;32(2):151–2

An evaluation of GROW, a mutual-help community mental health organisation. Young J, et al.

Community Health Stud 1987;11(1):38–42

Psychiatric rehabilitation: past myths and current realities. Anthony WA, et al. **Community Ment Health J** 1986 Winter;22(4):249–64

Patterns of case management activity in an intensive community support program: the first year. Wright RG, et al. **Community Ment Health J** 1987 Spring;23(1):53–9

Inpatient treatment of the psychiatric patient with alcoholism. Bean-Bayog M. **Gen Hosp Psychiatry** 1987 May;9(3):203–9

Dimensions of disability in the chronic mentally ill. Bachrach LL. **Hosp Community Psychiatry** 1986 Oct;37(10):981–2

Problems and needs of operators of board-and-care homes: a survey. Blaustein M, et al. **Hosp Community Psychiatry** 1987 Jul;38(7):750–4

Patient housing options as viewed by parents of the mentally ill. Housing Committee, California Alliance for the Mentally Ill. Castaneda D, et al. **Hosp Community Psychiatry** 1986 Dec;37(12):1238–42

An untapped resource [letter] Daniels P. **Hosp Community Psychiatry** 1987 Jul;38(7):775

Social network density and rehospitalization among young adult patients. Dozier M, et al. **Hosp Community Psychiatry** 1987 Jan;38(1):61–5

Rehabilitation outcome of long-term hospital patients left behind by deinstitutionalization. Farkas MD, et al. **Hosp Community Psychiatry** 1987 Aug;38(8):864–70

The quality of life of chronic patients in a state hospital and in community residences. Lehman AF, et al. **Hosp Community Psychiatry** 1986 Sep;37(9):901–7

Follow-up of participants in a vocational rehabilitation program at a state hospital. Pryer MW, et al. **Hosp Community Psychiatry** 1986 Dec;37(12):1261–2

Beyond discharge planning. Rock BD. **Hosp Community Psychiatry** 1987 May;38(5):529–30

Good models exist [letter] Selden DR. **Hosp Community Psychiatry** 1987 Feb;38(2):203

"The chronically mentally ill, will the community accept them?". Parker ZH. **Hygie** 1986 Sep;5(3):13–7

Turnover among new employees with physical and mental disabilities because of unsuccessful socialization in sheltered workshops. Dijkstra A. **Int J Rehabil Res** 1986;9(2):129–37

Mental illness, handicap and the introduction of legal positive discrimination in France. Audisio M. **Int J Soc Psychiatry** 1987 Summer;33(2):144–8

Housing and employment: rehabilitative measures in Denmark. Pedersen B. **Int J Soc Psychiatry** 1987 Summer; 33(2):137–9

Developing self-care skills and reducing institutionalized behaviour in a long-stay psychiatric population: the role of the nurse in behaviour modification. Stokes G, et al. **J Adv Nurs** 1987 Jan;12(1):35–48

Work and mental illness. I. Toward an integration of the rehabilitation process. Harding CM, et al. **J Nerv Ment Dis** 1987 Jun;175(6):317–26

Mutual expectations. How family members view the social role of the mental health center client. Johnson SW. **J Psychosoc Nurs Ment Health Serv** 1986 Oct;24(10):35–6

Practical appraisal of a new rating scale (MRSS) for rehabilitation. Khoosal DI, et al. **J R Soc Med** 1987 Feb; 80(2):88–90

The chronic psychiatric patient as a "difficult" patient: a conceptual analysis. Bachrach LL, et al. **New Dir Ment Health Serv** 1987 Spring;(33):35–50

Physical fitness program for patients with psychiatric disorders. A clinical report. Chastain PB, et al. **Phys Ther** 1987 Apr;67(4):545–8

Competitive employment for workers with mental retardation. Shafer MS. **Prog Behav Modif** 1987;21:86–107

Planning psychiatric treatment and rehabilitation for the long-term patient. Nguyen SD, et al. **Psychiatr J Univ Ottawa** 1987 Mar;12(1):9–15

Individualized network planning for chronic psychiatric patients. Harris M, et al. **Psychiatr Q** 1986–87 Spring; 58(1):51–6

Receipt of aftercare services by problem types: psychiatric, psychiatric/substance abuse and substance abuse. Solomon P. **Psychiatr Q** 1986–87 Fall;58(3):180–8

Social and conversational skills training with long-term psychiatric inpatients. Fecteau GW, et al. **Psychol Rep** 1986 Dec;59(3):1327–31

The troubled employee. Dangerous and violent behavior. Monahan J. **State Art Rev Occup Med** 1986 Oct–Dec; 1(4):559–68

The troubled employee. The psychiatric patient at work. Robbins DB. **State Art Rev Occup Med** 1986 Oct–Dec; 1(4):549–58

[Evaluation of the fate of young patients treated in therapeutic communities] Corten P, et al. **Acta Psychiatr Belg** 1986 Jul–Aug;86(4):394–401 (Eng. Abstr.) **(Fre)**

[Rehabilitation possibilities of cooperation between community psychiatry and consultation and medical examiners—an experimental model in a rural area] Grosspietzsch R, et al. **Off Gesundheitswes** 1987 Mar; 49(3):152–5 (Eng. Abstr.) **(Ger)**

[Voluntary helpers in child and adolescent psychiatry] Besmens F, et al. **Prax Kinderpsychol Kinderpsychiatr** 1987 Feb–Mar;36(2):71–6 (Eng. Abstr.) **(Ger)**

[Work—its significance in the therapy and rehabilitation of chronic psychiatric patients] Eikelmann B. **Psychiatr Prax** 1987 Jan;14(1):8–13 (Eng. Abstr.) **(Ger)**

[Developmental status and goals in occupational therapy. The "Guidelines for Occupational Therapy in Psychiatric Hospitals"] Lehmann K, et al. **Psychiatr Prax** 1987 Jan; 14(1):1–7 (Eng. Abstr.) **(Ger)**

[Patient flow in a social psychiatric treatment model] Linden EB, et al. **Psychiatr Prax** 1986 Sep;13(5):159–65 (Eng. Abstr.) **(Ger)**

[Analysis of the activity and effectiveness of lay persons as therapists in a psychiatric rehabilitation project] Mackinger H, et al. **Psychiatr Prax** 1987 May;14(3):98–104 (Eng. Abstr.) **(Ger)**

[Unemployment in psychiatric patients] Müller P, et al. **Psychiatr Prax** 1987 Jan;14(1):18–21 (Eng. Abstr.) **(Ger)**

[Late rehabilitation of psychiatric patients] Rittmannsberger H, et al. **Psychiatr Prax** 1986 Sep;13(5):185–90 (Eng. Abstr.) **(Ger)**

[Aspects of ambulatory occupational therapy] Schulze Mönking H, et al. **Psychiatr Prax** 1987 Jan;14(1):14–7 (Eng. Abstr.) **(Ger)**

[Occupational handicaps as risk factors for the readmission of psychiatric patients hospitalized for the first time—results of a prospective longitudinal study] Blumenthal S, et al. **Rehabilitation (Stuttg)** 1986 Aug; 25(3):112–5 (Eng. Abstr.) **(Ger)**

[Rehabilitation insurance carriers improve complementary service provisions for the mentally ill and disabled. Recommendation agreements of the Rehabilitation Institute for the Mentally Ill, at the level of the Federal Working Group for Rehabilitation, are adopted] Steinke B, et al. **Rehabilitation (Stuttg)** 1987 Feb;26(1):35–7 **(Ger)**

[Occupational reintegration of psychiatric patients hospitalized for the first time in the year following their discharge—results of a prospective longitudinal study] Vogel R, et al. **Rehabilitation (Stuttg)** 1986 Aug; 25(3):106–11 (Eng. Abstr.) **(Ger)**

[Current knowledge about the rehabilitation of chronic psychiatric patients] Hubschmid T. **Soz Praventivmed** 1987; 32(3):140–4 (Eng. Abstr.) **(Ger)**

[A vocational promoting course—initial experiences with a rehabilitation program for long-term psychiatric patients] Rüst T. **Soz Praventivmed** 1987;32(3):150–4 (Eng. Abstr.) **(Ger)**

[Regional psychiatric care and social rehabilitation] **Seishin Shinkeigaku Zasshi** 1986;88(10):768–90 **(Jpn)**

[Nursing follow-up after hospital discharge] Peduzzi M, et al. **Bol Of Sanit Panam** 1986 Dec;101(6):638–47 (Eng. Abstr.) **(Por)**

SURGERY

The present possibilities in stereotactic psychosurgery. Lisonková D, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;111:417–21

Treatment of psychiatric illness by stereotactic cingulotomy. Ballantine HT Jr, et al. **Biol Psychiatry** 1987 Jul; 22(7):807–19

THERAPY

Characteristics of a good ward atmosphere. Friis S. **Acta Psychiatr Scand** 1986 Nov;74(5):469–73

Do we still need beds for psychiatric patients? An analysis of changing patterns of mental health care. Häfner H. **Acta Psychiatr Scand** 1987 Feb;75(2):113–26

Individualized measures of outcome versus standardized rating scales in evaluation of in-hospital psychiatric treatment. A methodological study. Hansson L, et al. **Acta Psychiatr Scand** 1987 Mar;75(3):275–82

Stability of treatment outcome in short-term psychiatric care. A six-month follow-up of a controlled study of patient involvement. Hansson L, et al. **Acta Psychiatr Scand** 1986 Oct;74(4):360–7

Patterns of coverage of psychiatric emergencies. Jee A, et al. **Acta Psychiatr Scand** 1987 Jul;76(1):101–2

Prediction and profile of the long-stay population. A nation-wide cohort of first time admitted patients. Kastrup M. **Acta Psychiatr Scand** 1987 Jul;76(1):71–9

Who became revolving door patients? Findings from a nation-wide cohort of first time admitted psychiatric patients. Kastrup M. **Acta Psychiatr Scand** 1987 Jul; 76(1):80–8

Pattern of therapeutic intervention and role of psychiatric settings: a survey in two regions of Italy. Muscettola G, et al. **Acta Psychiatr Scand** 1987 Jan;75(1):55–61

Effectiveness and application of partial hospitalization. Schene AH, et al. **Acta Psychiatr Scand** 1986 Oct; 74(4):335–40

Introducing community mental health services. The effects on a suburban patient population. Stefansson CG, et al. **Acta Psychiatr Scand** 1986 Oct;74(4):368–78

Social and resource factors related to the utilization of emergency psychiatric services in the Athens area. Vaslamatzis G, et al. **Acta Psychiatr Scand** 1987 Jan; 75(1):95–8

Patterns of outpatient consultation: a survey of outpatients attending a metropolitan psychiatric hospital. Wijesinghe CP, et al. **Acta Psychiatr Scand** 1987 Jul;76(1):48–58

Value of group counseling in secondary schools. Berkovitz IH. **Adolesc Psychiatry** 1987;14:522–45

Countertransference during the acute psychiatric hospitalization of the adolescent. Greenberg L, et al. **Adolesc Psychiatry** 1987;14:316–31

Homoclites revisited: the search for identification in hospitalized young adult patients. Looney JG, et al. **Adolesc Psychiatry** 1987;14:137–48

Long-term treatment needs of hospitalized adolescents. Pearson GT. **Adolesc Psychiatry** 1987;14:342–57

Telephone psychotherapy with adolescents. Tolchin J. **Adolesc Psychiatry** 1987;14:332–41

A follow-up study of psychiatrically hospitalized adolescents. Klinge V, et al. **Adolescence** 1986 Fall; 21(83):697–701

Difficulties encountered in the treatment of outpatient adolescents. Saffer JB, et al. **Adolescence** 1987 Spring; 22(85):143–7

Legal and ethical pitfalls in family practice psychiatry. Schwartz HI. **Am Fam Physician** 1987 May;35(5):103–8

Clients' treatment expectations at a community mental health center. Balch P, et al. **Am J Community Psychol** 1978 Apr; 6(2):105–13

Trends in community mental health programming. Miller FT, et al. **Am J Community Psychol** 1978 Apr;6(2):191–8

The client as consumer and evaluator of community mental health services. Morrison JK. **Am J Community Psychol** 1978 Apr;6(2):147–55

Organization development: a new modality for community mental health. Rand NE. **Am J Community Psychol** 1978 Apr;6(2):157–70

The responsiveness and equality of mental health care to Chicanos and Native Americans. Sue S, et al. **Am J Community Psychol** 1978 Apr;6(2):137–46

Detecting "cracks" in mental health service systems: application of network analytic techniques. Tausig M. **Am J Community Psychol** 1987 Jun;15(3):337–51

Group therapy for black women: a therapeutic support model. Boyd-Franklin N. **Am J Orthopsychiatry** 1987 Jul; 57(3):394–401

Conflicts of interest associated with the psychiatric hospitalization of children. Dalton R, et al. **Am J Orthopsychiatry** 1987 Jan;57(1):12–4

Are we legislating reinstitutionalization? Elpers JR. **Am J Orthopsychiatry** 1987 Jul;57(3):441–6

Scheduled appointments and patient-staff compliance. Gariti P, et al. **Am J Orthopsychiatry** 1987 Jan;57(1):135–7

Brief therapy in the age of Reagapeutics. Good PR. **Am J Orthopsychiatry** 1987 Jan;57(1):6–11

Are seclusion rooms needed on child psychiatric units? Irwin M. **Am J Orthopsychiatry** 1987 Jan;57(1):125–6

An evaluation of consumer satisfaction in a child psychiatric service: viewpoints of patients and parents. Loff CD, et al. **Am J Orthopsychiatry** 1987 Jan;57(1):132–4

Do therapists vary much in their success? Findings from four outcome studies. Luborsky L, et al. **Am J Orthopsychiatry** 1986 Oct;56(4):501–12

Frank's "common elements" in psychotherapy: nonspecific factors and placebos. Parloff MB. **Am J Orthopsychiatry** 1986 Oct;56(4):521–30

A public policy for the long-term mentally ill: a positive alternative to reinstitutionalization. Pepper B. **Am J Orthopsychiatry** 1987 Jul;57(3):452–7

Preventive intervention with children of hospitalized psychiatric patients. Shachnow J. **Am J Orthopsychiatry** 1987 Jan;57(1):66–77

The nonspecific hypothesis of therapeutic effectiveness: a current assessment. Strupp HH. **Am J Orthopsychiatry** 1986 Oct;56(4):513–20

The failure of diagnosis-related groups [letter] **Am J Psychiatry** 1986 Oct;143(10):1317

Outpatient commitment: the problems and the promise [editorial] Appelbaum PS. **Am J Psychiatry** 1986 Oct; 143(10):1270–2

Posthospital mandatory outpatient treatment. Bursten B. **Am J Psychiatry** 1986 Oct;143(10):1255–8

Mandatory outpatient treatment [letter] Bursten B. **Am J Psychiatry** 1987 Mar;144(3):389–90

Male and female psychiatrists and their patients. Fenton WS, et al. **Am J Psychiatry** 1987 Mar;144(3):358–61

Current need versus treatment history as predictors of use of outpatient psychiatric care. Friedman MJ, et al. **Am J Psychiatry** 1987 Mar;144(3):355–7

Rights, wrongs, and the dilemma of coerced community treatment. Geller JL. **Am J Psychiatry** 1986 Oct; 143(10):1259–64

Treating psychiatric problems in medical students. Hays LR, et al. **Am J Psychiatry** 1986 Nov;143(11):1428–31

Estimated distribution of effort by providers of mental health services to U.S. adults in 1982 and 1983. Knesper DJ, et al. **Am J Psychiatry** 1987 Jul;144(7):883–8

Expressed emotion: from predictive index to clinical construct. Koenigsberg HW, et al. **Am J Psychiatry** 1986 Nov;143(11):1361–73 (72 ref.)

Coerced outpatient treatment [letter] Mossman D. **Am J Psychiatry** 1987 Jul;144(7):968–9

Treatment of the mentally ill: legal advocacy enters the second generation. Rubenstein LS. **Am J Psychiatry** 1986 Oct;143(10):1264–9

Changing a state mental health system through litigation: the Arizona experiment. Santiago JM, et al. **Am J Psychiatry** 1986 Dec;143(12):1575–9

Working through: a cornerstone of psychotherapy. Fialkow NJ, et al. **Am J Psychother** 1987 Jul;41(3):443–52

Toward the ideal state mental hospital: the human equation. Gralnick A. **Am J Psychother** 1987 Apr;41(2):231–44

Emotional distress among spouses of psychiatric outpatients in Holland. Methorst GJ, et al. **Am J Psychother** 1987 Jul; 41(3):428–42

Integrating paradoxical interventions in the normal course of therapy: a nonspecific approach. Omer H. **Am J Psychother** 1986 Oct;40(4):572–81
Humor in psychotherapy: a view. Reynes RL, et al. **Am J Psychother** 1987 Apr;41(2):260–70
An evaluation of case management. Franklin JL, et al. **Am J Public Health** 1987 Jun;77(6):674–8
Mental illness and primary care [editorial] Shepherd M. **Am J Public Health** 1987 Jan;77(1):12–3
Private foundations in health affairs. A case study of the development of a national initiative for the chronically mentally ill. Aiken LH, et al. **Am Psychol** 1986 Nov; 41(11):1290–5
Cognitive differences between clinical psychologists and psychiatrists. Kingsbury SJ. **Am Psychol** 1987 Feb; 42(2):152–6
The promise and peril of involuntary outpatient commitment. Mulvey EP, et al. **Am Psychol** 1987 Jun;42(6):571–84
What do culturally sensitive mental health services mean? The case of Hispanics. Rogler LH, et al. **Am Psychol** 1987 Jun;42(6):565–70
Self-help treatment books and the commercialization of psychotherapy. Rosen GM. **Am Psychol** 1987 Jan; 42(1):46–51
The Longitudinal Interval Follow-up Evaluation. A comprehensive method for assessing outcome in prospective longitudinal studies. Keller MB, et al. **Arch Gen Psychiatry** 1987 Jun;44(6):540–8
DSM-III and clinically identified problems as a guide to treatment. Longabaugh R, et al. **Arch Gen Psychiatry** 1986 Nov;43(11):1097–103
The people seen by Sydney psychiatrists. Andrews G, et al. **Aust NZ J Psychiatry** 1986 Dec;20(4):492–5
Statistical power in psychiatric research. Bird KD, et al. **Aust NZ J Psychiatry** 1986 Jun;20(2):189–200
General hospital psychiatry in China [letter] Drew LR. **Aust NZ J Psychiatry** 1987 Mar;21(1):112–3
Psychiatrists and negligence. Judd JS, et al. **Aust NZ J Psychiatry** 1986 Jun;20(2):233–6
People as illnesses [letter] Miles W. **Aust NZ J Psychiatry** 1986 Jun;20(2):247
Therapist code of ethics [letter] Ney PG. **Aust NZ J Psychiatry** 1987 Mar;21(1):113
The place of crisis intervention in psychiatry. Szmukler GI. **Aust NZ J Psychiatry** 1987 Mar;21(1):24–34
Assessing the clinical or applied importance of behavior change through social validation. Kazdin AE. **Behav Modif** 1977 Oct;1(4):427–52
Community psychiatric care: pragmatics and ethics. Brooker C. **Br J Hosp Med** 1986 Nov;36(5):321
Inpatient group psychotherapy. Roberts JP. **Br J Hosp Med** 1986 Nov;36(5):367–70
Arriving, settling-in, settling-down, leaving and following-up: stages of stay at the Arbours Centre. Berke JH. **Br J Med Psychol** 1987 Jun;60 (Pt 2):181–8
The use of seclusion in psychiatric hospitals in the Newcastle area. Thompson P. **Br J Psychiatry** 1986 Oct;149:471–4
Development of scales to measure treatment attitudes in psychiatry. Wilkinson G, et al. **Br J Psychiatry** 1986 May; 148:581–6
Social skills training [editorial] Trower P. **Br Med J [Clin Res]** 1987 Mar 14;294(6573):663–4
Madness and medicine: trends in American medical therapeutics for insanity, 1820–1860. Thielman SB. **Bull Hist Med** 1987 Spring;61(1):25–46
Clinical guidelines for management of patients under Lieutenant Governor's Warrants. Akhtar SN. **Can J Psychiatry** 1986 Dec;31(9):838–42
Impact of removing the waiting list upon clinic intakes. Brooker BH, et al. **Can J Psychiatry** 1986 Aug;31(6):521–5
Research priorities in mental health. Campbell D. **Can J Psychiatry** 1986 Nov;31(8):746–9
Premature discharges: a comparative study. Chandrasena R. **Can J Psychiatry** 1987 May;32(4):259–63
A cohort through the revolving door [letter] Cooper AJ. **Can J Psychiatry** 1986 Oct;31(7):700–1
Legal issues in medical management of violent and threatening patients. Dickens BM. **Can J Psychiatry** 1986 Nov;31(8):772–80
Considerations in community mental health programming for youth. MacLeod RJ, et al. **Can J Psychiatry** 1986 Aug; 31(6):568–74
Geriatric referrals to a psychiatric consultation-liaison service. Mainprize E, et al. **Can J Psychiatry** 1987 Feb; 32(1):5–9
An epidemiological study of electroconvulsive therapy: rate and diagnosis. Malla A. **Can J Psychiatry** 1986 Dec; 31(9):824–30
Electroconvulsive therapy: contemporary standards of practice. Martin BA. **Can J Psychiatry** 1986 Nov; 31(8):759–71
The suitability for admission of geriatric patients to an acute admissions ward [letter] Rapp MS. **Can J Psychiatry** 1986 Aug;31(6):604–5
A psychotherapeutic group for men. Swenson JR, et al. **Can J Psychiatry** 1987 May;32(4):298–302
A psychiatric intensive care unit in a general hospital setting. Warneke L. **Can J Psychiatry** 1986 Dec;31(9):834–7
Community psychiatric nursing programme review [letter] Bazas T, et al. **Community Med** 1986 Nov;8(4):361–2
The Hereford District Department of Mental Health of the Elderly: a preliminary evaluation. Kyle DR, et al. **Community Med** 1987 Feb;9(1):35–46
The challenge of service planning for chronic mental patients. Bachrach LL. **Community Ment Health J** 1986 Fall; 22(3):170–4
A comprehensive treatment program for schizophrenia and chronic mental illness. Bellack AS, et al. **Community Ment Health J** 1986 Fall;22(3):175–89
A descriptive analysis of community support program case managers serving the chronically mentally ill. Goldstrom ID, et al. **Community Ment Health J** 1983 Spring; 19(1):17–26
CMHC's and elderly services: an analysis of direct and indirect services and service delivery sites. Light E, et al. **Community Ment Health J** 1986 Winter;22(4):294–302
Homelessness and mental health policy: developing an appropriate role for the 1980s. Roth D, et al. **Community Ment Health J** 1986 Fall;22(3):203–14
Planning a continuum of residential/service settings for the chronically mentally ill: the Colorado experience. Shern DL, et al. **Community Ment Health J** 1986 Fall; 22(3):190–202
A hospital-based mental health court. Sipes GP, et al. **Community Ment Health J** 1986 Fall;22(3):229–37
Do therapists bias their ratings of patient functioning under peer review? Stahler GJ, et al. **Community Ment Health J** 1986 Winter;22(4):265–74
Effects of fiscal retrenchment on public mental health services for the chronic mentally ill. Surber RW, et al. **Community Ment Health J** 1986 Fall;22(3):215–28
Community mental health services and the elderly: retrenchment or expansion? Swan JH, et al. **Community Ment Health J** 1986 Winter;22(4):275–85
A multivariate analysis of dropout status by length of stay in a rural community mental health center. Tutin J. **Community Ment Health J** 1987 Spring;23(1):40–52
Travel distance as time price and the demand for mental health services. White SL. **Community Ment Health J** 1986 Winter;22(4):303–13
Prospective payment for outpatient mental health services: evaluation of diagnosis-related groups. Wood WD, et al. **Community Ment Health J** 1986 Winter;22(4):286–93
A conceptual model for research on required length of psychiatric hospital stay. Allen JG, et al. **Compr Psychiatry** 1987 Mar-Apr;28(2):131–40
A lack of justification for routine screening assays for syphilis in general hospital psychiatric patients. Baumgarten A, et al. **Compr Psychiatry** 1987 Mar-Apr;28(2):127–30
Sociocultural background of the mental health system in Japan. Munakata T. **Cult Med Psychiatry** 1986 Dec; 10(4):351–65
District focus management of psychiatric emergencies in general practice. Muluka EA, et al. **East Afr Med J** 1986 Aug;63(8):562–5
Hospital admission as first-contact with a community-based psychiatric service. A 2 year study in South-Verona. Faccincani C, et al. **Eur Arch Psychiatry Neurol Sci** 1987; 236(4):247–50
Assessing the impact of psychological intervention on family practice clinic visits. Brantley PJ, et al. **Fam Med** 1986 Nov-Dec;18(6):351–4
Beginning work with families of hospitalized adolescents. Hanrahan G. **Fam Process** 1986 Sep;25(3):391–405
The homeless mentally ill in the general hospital: a question of fit. Bachrach LL. **Gen Hosp Psychiatry** 1986 Sep; 8(5):340–9 (85 ref.)
DRGs: an overview of the issues. English JT, et al. **Gen Hosp Psychiatry** 1986 Sep;8(5):359–64
Assessment of patient-staff and intrastaff problems in psychiatric consultations. Hengeveld MW, et al. **Gen Hosp Psychiatry** 1987 Jan;9(1):25–30
The changing patient population in general hospital psychiatric services. Keill SL. **Gen Hosp Psychiatry** 1986 Sep;8(5):350–8 (77 ref.)
The geriatric patient and general hospital psychiatry. Liptzin B. **Gen Hosp Psychiatry** 1987 May;9(3):198–202
A British view of liaison psychiatry. Mayou R. **Gen Hosp Psychiatry** 1987 Jan;9(1):18–24
Utilization review and quality assurance: staying in the black and working with the blues. Sederer LI. **Gen Hosp Psychiatry** 1987 May;9(3):210–9
Involuntary hospitalization: an issue for the consultation-liaison psychiatrist. Wise TN, et al. **Gen Hosp Psychiatry** 1987 Jan;9(1):40–4
Treatment outcome in a group geropsychiatry program for veterans. Sullivan EM, et al. **Gerontologist** 1987 Aug; 27(4):434–6
The effects of monthly psychiatric consultation in a nursing home. Tourigny-Rivard MF, et al. **Gerontologist** 1987 Jun; 27(3):363–6
Boarding home residents: new underclass in the mental health system. Blake R. **Health Soc Work** 1987 Spring;12(2):85–90
Therapeutic milieu and clinical improvement. Dumic M, et al. **Hillside J Clin Psychiatry** 1984;6(1):69–78
A supportive care clinic: maintaining the chronic psychiatric patient. Schwartz LS, et al. **Hillside J Clin Psychiatry** 1986; 8(2):202–8
Gold award: mental health treatment that transcends cultural barriers. Indochinese Psychiatric Clinic, Oregon Health Sciences University, Portland. **Hosp Community Psychiatry** 1986 Nov;37(11):1144–7
Gold award: a network of services for the homeless chronic mentally ill. Skid Row Mental Health Service, Los Angeles County Department of Mental Health. **Hosp Community Psychiatry** 1986 Nov;37(11):1148–51
Difficult patients [letter] Allen JG, et al. **Hosp Community Psychiatry** 1987 Jun;38(6):672–3
Sociological thought in psychiatric care. Bachrach LL. **Hosp Community Psychiatry** 1987 Aug;38(8):819–20
The asylum as refuge [letter] Bergmann JF. **Hosp Community Psychiatry** 1986 Dec;37(12):1265
A review of issues surrounding length of psychiatric hospitalization. Caton CL, et al. **Hosp Community Psychiatry** 1987 Aug;38(8):858–63
Therapeutic alliance and hospital treatment outcome. Clarkin JF, et al. **Hosp Community Psychiatry** 1987 Aug; 38(8):871–5
The impact of environmental factors on outcome in residential programs. Cournos F. **Hosp Community Psychiatry** 1987 Aug;38(8):848–52
The Quarterway House: a two-year cost study of an experimental residential program. Dickey B, et al. **Hosp Community Psychiatry** 1986 Nov;37(11):1136–43
Time-limited psychiatric hospitalization of children: a model and three-year outcome. Doherty MB, et al. **Hosp Community Psychiatry** 1987 Jun;38(6):643–7
The process of staff change: grappling with the needs of the high-management patient. Geller JL, et al. **Hosp Community Psychiatry** 1986 Oct;37(10):1047–9
Consented-to treatment [letter] Gutheil TG. **Hosp Community Psychiatry** 1986 Nov;37(11):1161
Differential treatment planning for young adult chronic patients. Harris M, et al. **Hosp Community Psychiatry** 1987 Jun;38(6):638–43
Psychiatric episodes in general hospitals without psychiatric units. Hendryx M, et al. **Hosp Community Psychiatry** 1986 Oct;37(10):1025–9
Successful living: a social skills and problem-solving group for the chronic mentally ill. Hierholzer RW, et al. **Hosp Community Psychiatry** 1986 Sep;37(9):913–8
Who really treats the severely impaired young adult patient? A comparison of treatment settings. Holcomb WR, et al. **Hosp Community Psychiatry** 1987 Jun;38(6):625–31
Clinicians' assessments of the service needs of young adult patients in public mental health care. Holcomb WR, et al. **Hosp Community Psychiatry** 1986 Sep;37(9):908–13
"Transeducation" [letter]Johnson J. **Hosp Community Psychiatry** 1986 Oct;37(10):1054
Training student nurses to care for chronic mental patients. Knowlton CN, et al. **Hosp Community Psychiatry** 1987 Jul; 38(7):770–2
Training for battle: thoughts on managing aggressive patients. Lion JR. **Hosp Community Psychiatry** 1987 Aug; 38(8):882–4
Psychiatric assessment and treatment of American Indians and Alaska Natives. Manson SM, et al. **Hosp Community Psychiatry** 1987 Feb;38(2):165–73
The negative impacts of increased concurrent review of psychiatric inpatient care. Melnick SD, et al. **Hosp Community Psychiatry** 1987 Mar;38(3):300–3
Applying modern management principles to clinical administration of a behaviorally oriented inpatient unit. Merkel WT, et al. **Hosp Community Psychiatry** 1987 Feb; 38(2):152–9
Setting priorities for psychiatric research. Miles CP. **Hosp Community Psychiatry** 1987 Aug;38(8):809
The psychiatric health facility: an alternative for acute inpatient treatment in a nonhospital setting. Moltzen S, et al. **Hosp Community Psychiatry** 1986 Nov;37(11):1131–5
Researchers discuss latest findings, examine needs of homeless mentally ill persons. Morrissey JP, et al. **Hosp Community Psychiatry** 1987 Aug;38(8):811–2
Homelessness in a state hospital population. Mowbray CT, et al. **Hosp Community Psychiatry** 1987 Aug;38(8):880–2
Assessing outcome [letter] Olberz P. **Hosp Community Psychiatry** 1986 Dec;37(12):1267
Citizens: a new ally for research. Pardes H. **Hosp Community Psychiatry** 1986 Dec;37(12):1193
The remedicalization of psychiatry. Pasnau RO. **Hosp Community Psychiatry** 1987 Feb;38(2):145–51
Weighing religious beliefs in determining competence. Pavlo AM, et al. **Hosp Community Psychiatry** 1987 Apr; 38(4):350–2
Psychiatric interventions for AIDS-spectrum disorders. Perry SW, et al. **Hosp Community Psychiatry** 1986 Oct; 37(10):1001–6 (38 ref.)
Homeless veterans, continued [letter] Peterson ML. **Hosp Community Psychiatry** 1987 Jul;38(7):774–5
Creating a balanced system of care [editorial] Santiago JM. **Hosp Community Psychiatry** 1986 Nov;37(11):1077
A practical guide to HMO psychiatry. Schneider-Braus K. **Hosp Community Psychiatry** 1987 Aug;38(8):876–9
Length of stay [letter] Schwarz C, et al. **Hosp Community Psychiatry** 1987 Feb;38(2):201
Moving experiences: a model for inpatient transfer based on interviews with patients and their families. Shugar G, et al. **Hosp Community Psychiatry** 1986 Oct;37(10):1035–40
Recent developments in the care, treatment, and rehabilitation of the chronic mentally ill in Greece. Stefanis CN, et al. **Hosp Community Psychiatry** 1986 Oct; 37(10):1041–4
Homeless veterans [letter] [published erratum appears in Hosp Community Psychiatry 1987 May;38(5):514] Sweet M. **Hosp Community Psychiatry** 1987 Jan;38(1):78–9
Continuous treatment teams in the care of the chronic

mentally ill. Torrey EF. **Hosp Community Psychiatry** 1986 Dec;37(12):1243–7
Psychiatric expertise in clinical decision making for psychiatric inpatients. Towery OB, et al. **Hosp Community Psychiatry** 1987 Jul;38(7):758–63
Structural inefficiencies at a state psychiatric hospital. Townsend EJ, et al. **Hosp Community Psychiatry** 1987 Feb; 38(2):127–30, 136
Beyond model programs: evaluation of a countywide system of residential treatment programs. Wherley M, et al. **Hosp Community Psychiatry** 1987 Aug;38(8):852–7
A review of supportive psychotherapy. Winston A, et al. **Hosp Community Psychiatry** 1986 Nov;37(11):1105–14
Conflict between patients' rights and patients' needs: an organizational systems problem. Ziegenfuss JT Jr. **Hosp Community Psychiatry** 1986 Nov;37(11):1086–8
Clinical application of research instruments: editor's introduction. Dies RR. **Int J Group Psychother** 1987 Jan; 37(1):31–7
A survey of expectations about group therapy among clinical and nonclinical populations. Slocum YS. **Int J Group Psychother** 1987 Jan;37(1):39–54
Group psychotherapy with ego impaired children: the significance of peer group culture in the evolution of a holding environment. Spinner D, et al. **Int J Group Psychother** 1986 Jul;36(3):427–46
The Control–Commissions in Norwegian mental health care. Høyer G. **Int J Law Psychiatry** 1986;9(4):469–78
Magic and psychiatric commitment in India. Meštrović SG. **Int J Law Psychiatry** 1986;9(4):431–49
How does self psychology differ in practice?[letter] Levine FJ. **Int J Psychoanal** 1986;67 (Pt 4):502–6
The assessment of analysability: a major hazard in selection for psychoanalysis. Limentani A. **Int J Psychoanal** 1972; 53 (Pt 3):351–61
Analyst involvement in the psychoanalytical impasse. Maldonado JL. **Int J Psychoanal** 1984;65 (Pt 3):263–71
Experiences with ayurvedic psychotherapy. Nespor K, et al. **Int J Psychosom** 1986;33(3):29–30
Psychiatric day hospitals: the patients and their preferences in treatment [published erratum appears in Int J Soc Psychiatry 1987 Spring;33(1):71] Baker GH, et al. **Int J Soc Psychiatry** 1986 Winter;32(4):64–72
Sectorisation and overcapacity in France. Barres M. **Int J Soc Psychiatry** 1987 Summer;33(2):140–3
Visiting in a mental hospital: an Indian study. Chakradhar KK. **Int J Soc Psychiatry** 1986 Autumn;32(3):72–8
Mental health care models and their evaluation: the West German experience. Cooper B. **Int J Soc Psychiatry** 1987 Summer;33(2):99–104
Interdependency of attitudes, diagnostic assessments and therapeutic recommendations of medical students towards mental patients. Elizur A, et al. **Int J Soc Psychiatry** 1986 Autumn;32(3):31–40
Community care in West Germany: concept and reality. Haerlin C. **Int J Soc Psychiatry** 1987 Summer;33(2):105–10
Community mental health in two sectors: County Caroni and St. George East—an evaluation. James V. **Int J Soc Psychiatry** 1986 Autumn;32(3):23–30
Mental health policies in Europe: an analysis of priorities and problems. Mangen SP. **Int J Soc Psychiatry** 1987 Summer;33(2):76–82
Greece: the transition to community care. Mavreas VG. **Int J Soc Psychiatry** 1987 Summer;33(2):154–64
The implementation of the Italian psychiatric reform in a large conurbation. Pirella A. **Int J Soc Psychiatry** 1987 Summer;33(2):119–31
The implications of cultural construction of mental distress on psychiatric policies in Britain. Ramon S. **Int J Soc Psychiatry** 1987 Summer;33(2):149–53
New comprehensive mental health authorities in the Netherlands. Schrameijer F. **Int J Soc Psychiatry** 1987 Summer;33(2):132–6
The evaluation of the Worcester Development Project. Tombs D, et al. **Int J Soc Psychiatry** 1987 Summer; 33(2):92–8
Factors influencing effectiveness of day hospital treatment. Vidalis AA, et al. **Int J Soc Psychiatry** 1986 Autumn; 32(3):3–8
Mental health policy developments in Ireland. Walsh D. **Int J Soc Psychiatry** 1987 Summer;33(2):111–4
Joint finance: promoting a new balance of care and responsibilities in England? Wistow G. **Int J Soc Psychiatry** 1987 Summer;33(2):83–91
The early outcome of admission to an adolescent unit: a report on 100 cases. Turner TH, et al. **J Adolesc** 1986 Dec; 9(4):367–82
Incomplete rapproachement and discharge against medical advice [letter] Heiligenstein E. **J Am Acad Child Adolesc Psychiatry** 1987 Jan;26(1):113
Varying modes of analytic participation. Hirsch I. **J Am Acad Psychoanal** 1987 Apr;15(2):205–22
Exploring the analyst's treatment stance in current psychoanalytic practice. Tuttman S. **J Am Acad Psychoanal** 1987 Jan;15(1):29–37
Conversion of psychotherapy to psychoanalysis. Panel report. **J Am Psychoanal Assoc** 1987;35(3):713–26
The role of insight in psychoanalysis and psychotherapy—introduction. Freud A. **J Am Psychoanal Assoc** 1979;27 Suppl:3–7
Insurance. Halpert E. **J Am Psychoanal Assoc** 1985; 33(4):937–49
Psychoanalysis: is the therapy destroying the science? Holzman PS. **J Am Psychoanal Assoc** 1985;33(4):725–70
Comments on the therapeutic action of psychoanalysis. Joseph E. **J Am Psychoanal Assoc** 1979;27 Suppl:71–9
The role of insight in child analysis: a developmental viewpoint. Kennedy H. **J Am Psychoanal Assoc** 1979;27 Suppl:9–28
New directions in biological psychiatry. Symposium. June 18, 1986, Coronado, California. **J Clin Psychiatry** 1986 Oct; 47 Suppl:1–52
Gaps between expectations and perceived reality of therapists and clients. Benbenishty R. **J Clin Psychol** 1987 Mar; 43(2):231–6
Predictors of psychotherapy outcome for children at a community mental health center. Bush RM, et al. **J Clin Psychol** 1986 Nov;42(6):873–7
Primary therapist response modes: comparison of six rating systems. Elliott R, et al. **J Consult Clin Psychol** 1987 Apr; 55(2):218–23
Third-party payment and the outcome of psychotherapy. Yoken C, et al. **J Consult Clin Psychol** 1987 Aug; 55(4):571–6
Mental health and corrections: towards a working partnership. Harmon RB. **J Forensic Sci** 1987 Jan; 32(1):233–41
Models of mental health service delivery to correctional institutions. Maier GJ, et al. **J Forensic Sci** 1987 Jan; 32(1):225–32
The relationship of court clinics to correctional mental health services: opportunities for cooperation and potential sources of conflict. Rosner R. **J Forensic Sci** 1987 Jan; 32(1):217–20
Clinical vignettes: a range of grandparental experiences. Cath SH. **J Geriatr Psychiatry** 1986;19(1):57–68
The diverse goals involved in treatment of the mentally ill. Is a collision inevitable? Daly JL. **J Leg Med (Chicago)** 1987 Mar;8(1):49–89
Psychoanalytic psychotherapy and its indications. Gomez JR. **J Med Assoc Ga** 1986 Oct;75(10):623–5
Psychiatric management during pregnancy. Lee SR. **J Med Assoc Ga** 1986 Oct;75(10):617–21
Beyond deinstitutionalization—where are they now? Smarr ER. **J Med Assoc Ga** 1986 Oct;75(10):606–10
Informed consent and the psychiatric patient. Dyer AR, et al. **J Med Ethics** 1987 Mar;13(1):12–6
An ethical analysis of the policies of British community and hospital care for mentally ill people. Pattison S, et al. **J Med Ethics** 1986 Sep;12(3):136–42
Stigma perceived by patients attending modern treatment settings. Some unanticipated effects of community psychiatry reforms. Angermeyer MC, et al. **J Nerv Ment Dis** 1987 Jan;175(1):4–11
Goal Attainment Scaling. Relevance and replicability in follow-up of inpatients. Lewis AB, et al. **J Nerv Ment Dis** 1987 Jul;175(7):408–18
People in your life. Development of a social support measure for predicting psychotherapy outcome. Marziali EA. **J Nerv Ment Dis** 1987 Jun;175(6):327–38
The logistic regression analysis of psychiatric data. Fleiss JL, et al. **J Psychiatr Res** 1986;20(3):195–209
Meetings at the edge with Adam: a man for all seasons? Wolfson PE. **J Psychoactive Drugs** 1986 Oct–Dec; 18(4):329–33
Community care of the chronically mentally ill. Crosby RL. **J Psychosoc Nurs Ment Health Serv** 1987 Jan;25(1):33–7
Psychoeducational program evaluation. One practical method. Walsh J. **J Psychosoc Nurs Ment Health Serv** 1987 Mar;25(3):25–31
Treatment of sexual disorder: a prophylaxis for major pathology? Kellett JM. **J R Coll Physicians Lond** 1987 Jan; 21(1):58–60
Practical problems in the management of AIDS-related psychiatric disorder. Fenton TW. **J R Soc Med** 1987 May; 80(5):271–4
Evaluation of family therapy for disturbed children [editorial] Simpson L, et al. **J R Soc Med** 1987 Jun;80(6):334–5
Psychiatric megatrends and the elderly [editorial] Glass RM. **JAMA** 1987 Jan 23–30;257(4):527–8
Japan's search for international guidelines on rights of mental patients. Harding TW. **Lancet** 1987 Mar 21;1(8534):676–7
Italy's law 180—problems and hopes. Levy A. **Med Law** 1986;5(5):371–8
Psychotherapy of mentally disturbed criminals: illusion or reality? Silfen P. **Med Law** 1986;5(5):427–30
Characteristics of admissions to the inpatient services of state and county mental hospitals, United States, 1980. Rosenstein MJ, et al. **Ment Health Stat Note** 1986 Sep; (177):1–23
Japan's unpopular mental health laws to be revised at last [news] Swinbanks D. **Nature** 1987 Mar 12–18;326(6109):117
Barriers to treating the chronic mentally ill. **New Dir Ment Health Serv** 1987 Spring;(33):1–99
Consumer issues in mental illness. Hatfield AB. **New Dir Ment Health Serv** 1987 Summer;(34):35–42
The National Alliance for the Mentally Ill: history and ideology. Howe CW, et al. **New Dir Ment Health Serv** 1987 Summer;(34):23–33
Resistances to care of the chronic patient: a lawyer's contribution. Klein JI. **New Dir Ment Health Serv** 1987 Spring;(33):87–93
Resistance of mental health professionals to working with the chronic mentally ill. Minkoff K. **New Dir Ment Health Serv** 1987 Spring;(33):3–20
Reimbursement resistance to treatment and support for the long-term mental patient. Sharfstein SS. **New Dir Ment Health Serv** 1987 Spring;(33):75–85
New York's homeless. Imperato PJ. **NY State J Med** 1987 Jan;87(1):1–3
Psychiatry in the spinal injuries unit. Judd FK, et al. **Paraplegia** 1987 Jun;25(3):254–7
A survey of involuntary patients' attitudes towards their commitment. Bradford B, et al. **Psychiatr J Univ Ottawa** 1986 Sep;11(3):162–5
Conflict resolution and inhospital therapeutic process. Gralnick A. **Psychiatr J Univ Ottawa** 1987 Mar;12(1):21–5
Caution against 'the asylum' [letter] Gralnick A. **Psychiatr J Univ Ottawa** 1987 Jun;12(2):111
Caution against 'the asylum' [editorial] Gralnick A. **Psychiatr J Univ Ottawa** 1986 Sep;11(3):150–2
A psychogeriatric outpatient service in a general hospital: is it medically worthwhile? Kral VA, et al. **Psychiatr J Univ Ottawa** 1986 Sep;11(3):140–2
Systems theory and holism in social psychiatry, a philosophic-integrative commentary. Masserman JH. **Psychiatr J Univ Ottawa** 1986 Sep;11(3):127–31
Countertransference issues in inpatient psychiatry. Rabiner CJ. **Psychiatr J Univ Ottawa** 1986 Sep;11(3):156–61
Difficulties in the physician-patient dyad: invoking the psychiatric consultant. Popkin MK, et al. **Psychiatr Med** 1984 Jun;2(2):183–8
The renaissance of the state psychiatric system. **Psychiatr Q** 1985 Fall-Winter;57(3–4):157–257
The context of care for the chronic mental patient with substance abuse problems. Bachrach LL. **Psychiatr Q** 1986–87 Spring;58(1):3–14
University/state collaboration. Cancro R. **Psychiatr Q** 1985 Fall-Winter;57(3–4):182–6
Public psychiatry: the road to revitalization. Ferman J, et al. **Psychiatr Q** 1985 Fall-Winter;57(3–4):173–81
Civil commitment reform: context and consequences. Fisher WH, et al. **Psychiatr Q** 1985 Fall-Winter;57(3–4):217–29
Increasing utilization of day hospitals. Herz MI, et al. **Psychiatr Q** 1985 Fall-Winter;57(3–4):187–92
Intensive inpatient treatment of young adult chronic patients. Lehman A, et al. **Psychiatr Q** 1986–87 Fall;58(3):167–79
Deinstitutionalization in retrospect. Miller AD. **Psychiatr Q** 1985 Fall-Winter;57(3–4):160–72
Psychiatric research: the role of the state. Pardes H. **Psychiatr Q** 1985 Fall-Winter;57(3–4):193–8
The role of the state hospital: a new mandate for a new era. Pepper B, et al. **Psychiatr Q** 1985 Fall-Winter; 57(3–4):230–57
Repeated users of a psychiatric emergency service in a Canadian general hospital. Pérez E, et al. **Psychiatr Q** 1986–87 Fall;58(3):189–201
Police responses for mental health assistance. Pogrebin MR. **Psychiatr Q** 1986–87 Spring;58(1):66–73
Psychiatric deinstitutionalization: the possibilities and the reality. Searight HR, et al. **Psychiatr Q** 1986–87 Fall; 58(3):153–66
State's role in funding psychiatric care. Sharfstein SS. **Psychiatr Q** 1985 Fall-Winter;57(3–4):199–202
Alternatives to DRGs: research issues. Siegel C, et al. **Psychiatr Q** 1985 Fall-Winter;57(3–4):203–16
The psychiatric emergency room and follow-up services in the community. Solomon P, et al. **Psychiatr Q** 1986–87 Summer;58(2):119–27
Increased specificity in measuring satisfaction. Urquhart B, et al. **Psychiatr Q** 1986–87 Summer;58(2):128–34
Problems to anticipate in treating difficult patients in a long-term psychiatric hospital. Allen JG, et al. **Psychiatry** 1986 Nov;49(4):350–8
An appraisal of selection criteria for dynamic psychotherapies and implications for setting time limits. Binder JL, et al. **Psychiatry** 1987 May;50(2):154–66
Group psychotherapy in an acute inpatient setting. Kapur R, et al. **Psychiatry** 1986 Nov;49(4):337–49
The double life of a psychiatrist: role changes between hospital and office. Schwartz RS. **Psychiatry** 1987 Feb; 50(1):83–7
Correlates of commitment status in psychiatric patients. Nicholson RA. **Psychol Bull** 1986 Sep;100(2):241–50
Mental health care in Southern Italy: application of case-control methodology for the evaluation of the impact of the 1978 psychiatric reform. Bollini P, et al. **Psychol Med** 1986 Aug;16(3):701–7
General practitioners' selection of patients for treatment in community psychiatric services. Munk-Jørgensen P. **Psychol Med** 1986 Aug;16(3):611–9
Psychiatric community care: a Maharashtrian example. Skultans V. **Psychol Med** 1986 Aug;16(3):499–501
The Italian experience and its implications. Tansella M, et al. **Psychol Med** 1987 May;17(2):283–9
Psychopharmacology, behavior modification, dynamic psychotherapy: towards an integrated approach. **Psychother Psychosom** 1986;46(1–2):1–104
Psychotherapy research. Clinical trials versus clinical reality. Fava GA. **Psychother Psychosom** 1986;46(1–2):6–12
Clinical psychologists in general practice: data and observations. Pryde NA, et al. **Public Health** 1985 Mar; 99(2):89–97
The challenge of providing quality psychiatric services in a rural setting. Loschen EL. **QRB** 1986 Nov;12(11):376–9
Psychiatric DRGs: the legal and ethical impact.

Morgenlander KH, et al. **QRB** 1985 Jun;11(6):175–9

Interactive fit. A guide to nonpsychotic chronic patients. Group for the Advancement of Psychiatry.
Rep Group Adv Psychiatry 1987;(121):1–94

Readmissions to a psychiatric hospital. Outcome on follow-up. Gillis LS, et al. **S Afr Med J** 1986 Dec 6; 70(12):735–9

Admissions to a psychiatric hospital. Factors associated with admission and inpatient care. Gillis LS, et al.
S Afr Med J 1986 Dec 6;70(12):731–4

Compulsory measures in psychiatric emergencies. Uchtenhagen A. **Schweiz Arch Neurol Psychiatr** 1986; 137(6):33–40

The Italian psychiatric reform: some quantitative evidence. Tansella M, et al. **Soc Psychiatry** 1987;22(1):37–48

Factors related to the use of ambulatory mental health services in three provider plans. Diehr P, et al.
Soc Sci Med 1986;23(8):773–80

Living with psychiatric patients: implications for the mental health of family members. Noh S, et al. **Soc Sci Med** 1987; 25(3):263–702

Equity in the distribution of health and welfare services: can we rely on the state to reverse the 'inverse care law?' Smith CJ. **Soc Sci Med** 1986;23(10):1067–78

Community care for chronic psychotic patients on a small Caribbean island. Brook MG. **Trop Doct** 1986 Jan; 16(1):22–4

A practitioner's guide to treatment selection in psychiatry. Frances A, et al. **West J Med** 1987 Jan;146(1):109–13

Mental health in old age. A model for concerted action by WHO and university hospitals. Hovaguimian T, et al.
WHO Chron 1986;40(4):141–8

[Evaluation of working with patients using art therapy] Kučerová H, et al. **Cesk Psychiatr** 1986 Aug;82(3–4):219–22 (Eng. Abstr.) (Cze)

[Psychiatry in the Netherlands. Observations from a trip] Nerad, et al. **Cesk Psychiatr** 1986 Aug;82(3–4):267–9 (Cze)

[Long-stay psychiatric day patients in the county of Aarhus] Jensen H, et al. **Ugeskr Laeger** 1987 Jun 1;149(23):1556–9 (Eng. Abstr.) (Dan)

[Multicenter study of patients treated in a community psychiatric health service] Quemada N, et al.
Acta Psychiatr Belg 1986 Sep–Oct;86(5):600–7 (Eng. Abstr.) (Fre)

[Evaluation of day hospital care. Improvement factors and chronicity factors] Chanoit PF, et al.
Ann Med Psychol (Paris) 1986 Nov;144(9):905–20 (Eng. Abstr.) (Fre)

[Epidemiologic study of patients admitted during a 1 year period to psychiatric after care] Jeanson F, et al.
Ann Med Psychol (Paris) 1986 Jun;144(6):635–58 (Fre)

[Introduction to multimodal therapy] Kertész R.
Ann Med Psychol (Paris) 1986 Sep–Oct;144(8):842–9 (Fre)

[Brief analytic psychotherapies. I. Historical and conceptual foundations] Petit P. **Ann Med Psychol (Paris)** 1986 May; 144(5):473–81 (Eng. Abstr.) (Fre)

[Patients with no permanent residence and public psychiatry] Pichéne C, et al. **Ann Med Psychol (Paris)** 1986 May; 144(5):494–503 (Fre)

[Pediatric psychiatry (editorial)] Duché DJ.
Ann Pediatr (Paris) 1986 Oct;33(8):643–4 (Fre)

[Psychiatric chronicity and organization of services] Lavoie R, et al. **Can J Psychiatry** 1987 May;32(4):291–5 (Eng. Abstr.) (Fre)

[Psychiatric consultations in a general hospital] Sirois F, et al. **Can J Psychiatry** 1986 Oct;31(7):630–5 (Eng. Abstr.) (Fre)

[Apropos of mother-child hospitalizations: mother-child hospitalization in a child psychology service] Guedeney N, et al. **Psychiatr Enfant** 1986;29(2):469–531 (Eng. Abstr.) (Fre)

[Short-term therapy center of the Eaux-Vives Sector. Another look at crisis intervention] Aapro N, et al.
Rev Med Suisse Romande 1986 Dec;106(12):1099–107 (Fre)

[Data processing and evaluation of therapies] Bocksberger JP. **Rev Med Suisse Romande** 1986 Dec;106(12):1149–54 (Fre)

[Group approaches in the Pâquis sector] de Verdière D.
Rev Med Suisse Romande 1986 Dec;106(12):1131–7 (Fre)

[Psychogeriatrics] Potvin J. **Rev Med Suisse Romande** 1987 Mar;107(3):207–11 (Fre)

[Crisis interventions in the psychiatric sector] Andreoli A, et al. **Schweiz Arch Neurol Psychiatr** 1986;137(6):113–29 (Eng. Abstr.) (Fre)

[Model of crisis intervention: theoretical actuality and clinical usefulness] Barrelet L, et al.
Schweiz Arch Neurol Psychiatr 1987;138(3):35–48 (Eng. Abstr.) (Fre)

[A model of crisis intervention and practice in this sector: what is the crisis of chronicity?] Barrelet L.
Schweiz Arch Neurol Psychiatr 1986;137(6):83–8 (Eng. Abstr.) (Fre)

[Electroshock as emergency treatment in crisis or crisis in treatment?] Bättig D. **Schweiz Arch Neurol Psychiatr** 1986; 137(6):149–52 (Fre)

[Voluntary and involuntary admissions to a psychiatric hospital] Genoud P, et al.
Schweiz Arch Neurol Psychiatr 1987;138(2):5–20 (Eng. Abstr.) (Fre)

[Modalities for a coordinated approach to crisis situations in institutions, from the viewpoint of the patient care team] Golay B, et al. **Schweiz Arch Neurol Psychiatr** 1986; 137(6):137–43 (Eng. Abstr.) (Fre)

[Response to crisis in ambulatory care] Granges R.
Schweiz Arch Neurol Psychiatr 1986;137(6):131–5 (Fre)

[Relation of crisis and emergency in an institutional environment] Grasset F. **Schweiz Arch Neurol Psychiatr** 1986;137(6):93–5 (Fre)

[Crisis intervention and its effects on psychiatric hospitalization] Scariati G.
Schweiz Arch Neurol Psychiatr 1986;137(6):97–103 (Fre)

[Criminality and violence of mental patients treated in the community: is prevention possible?] Morissette L.
Union Med Can 1986 Oct;115(10):690–4, 744 (Eng. Abstr.) (Fre)

[Electroconvulsive therapy. I. Effectiveness and side effects of electroconvulsive therapy] Sauer H, et al. **Nervenarzt** 1987 Apr;58(4):201–9 (Ger)

[Mentally ill—without knowledge of the facts, isolated and outside of medical care? Crisis patients of a social psychiatric service] Eikelmann B. **Off Gesundheitswes** 1986 Oct;48(10):575–8 (Eng. Abstr.) (Ger)

[Social psychiatric service—position and tasks in community psychiatry] Kulenkampff C. **Off Gesundheitswes** 1986 Sep; 48(9):532–5 (Eng. Abstr.) (Ger)

[Role of the public health office in social psychiatric management in the Netherlands] Richartz M.
Off Gesundheitswes 1987 Feb;49(2):80–3 (Eng. Abstr.) (Ger)

[An integrative management model of an adolescent psychiatric station] Bauer L, et al. **Padiatr Grenzgeb** 1986; 25(5):435–9 (Eng. Abstr.) (Ger)

[The system and the individual in a day clinic] Herzka HS.
Prax Kinderpsychol Kinderpsychiatr 1987 May–Jun; 36(4):134–8 (Eng. Abstr.) (Ger)

[Demise of an institution] Erdheim M. **Psyche (Stuttg)** 1986 Dec;40(12):1092–104 (Eng. Abstr.) (Ger)

[Transference and countertransference in psychoanalytic treatment of the elderly patient] Hinze E.
Psyche (Stuttg) 1987 Mar;41(3):238–53 (Eng. Abstr.) (Ger)

[Experiences at a neurologico-psychiatric department in Ethiopia] Bach O, et al.
Psychiatr Neurol Med Psychol (Leipz) 1987 Feb; 39(2):108–14 (Eng. Abstr.) (Ger)

[Problems in the psychiatric treatment of foreign patients] Bach O, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1987 May;39(5):286–90 (Eng. Abstr.) (Ger)

[Group rounds in a day-night therapeutic clinic for psychiatric patients] Ficker F.
Psychiatr Neurol Med Psychol (Leipz) 1986 Sep;38(9):530–7 (Eng. Abstr.) (Ger)

[Some selected inpatient psychiatric care data as an orientation in planning and a starting point in performance comparisons] Uhle M, et al.
Psychiatr Neurol Med Psychol (Leipz) 1987 May; 39(5):267–73 (Eng. Abstr.) (Ger)

[Effectiveness of psychiatric departments at general hospitals] Weise K. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Nov; 38(11):634–40 (Eng. Abstr.) (Ger)

[A hospital unit for psychiatric crisis intervention 5 years later] Bronisch T, et al. **Psychiatr Prax** 1986 Nov; 13(6):213–8 (Eng. Abstr.) (Ger)

[The public health office and its clientele—on the conditions of psychiatric practice in the public health office] Brücher K. **Psychiatr Prax** 1987 Mar;14(2):33–9 (Eng. Abstr.) (Ger)

[Long-term patients at the acute psychiatric hospital—a status determination and catamnestic study] Fähndrich E, et al. **Psychiatr Prax** 1987 Mar;14(2):52–9 (Eng. Abstr.) (Ger)

[Psychiatric emergency care and crisis intervention—concepts, experiences and results] Häfner H, et al. **Psychiatr Prax** 1986 Nov;13(6):203–12 (Eng. Abstr.) (Ger)

[Possibilities of behavior therapy in neurologic practice] Klepsch R, et al. **Psychiatr Prax** 1987 Jul;14(4):121–6 (Eng. Abstr.) (Ger)

[The open door at a psychiatric admission unit] Modestin J, et al. **Psychiatr Prax** 1987 Mar;14(2):40–5 (Eng. Abstr.) (Ger)

[Effectiveness of day-care treatment] Payk TR, et al.
Psychiatr Prax 1987 Mar;14(2):46–51 (Eng. Abstr.) (Ger)

[Psychiatric family care in Ravensburg-Weissenau—development and initial experiences] Schmidt-Michel PO, et al. **Psychiatr Prax** 1987 May;14(3):88–97 (Eng. Abstr.) (Ger)

[Experiences and materials on internal sectorization of large psychiatric hospitals] Spengler C, et al. **Psychiatr Prax** 1987 Mar;14(2):60–9 (Eng. Abstr.) (Ger)

[From a systems outlook to therapeutic action] Duss von Werdt J. **Psychother Psychosom Med Psychol** 1987 Mar–Apr;37(3–4):126–32 (Eng. Abstr.) (Ger)

[Psychiatric crises situations within the scope of the acute hospital] Michel K. **Schweiz Arch Neurol Psychiatr** 1986; 137(6):41–50 (Eng. Abstr.) (Ger)

[Psychiatry in transition] Pöldinger W.
Schweiz Rundsch Med Prax 1987 Jun 9;76(24):687–98 (Eng. Abstr.) (Ger)

[Supervision in social psychiatry] Schneider HR.
Soz Praventivmed 1987;32(3):180–2 (Eng. Abstr.) (Ger)

[Decentralization—a social psychiatric key idea: experiences at the St. Gallen Canton] Wengle H. **Soz Praventivmed** 1987;32(3):176–9 (Eng. Abstr.) (Ger)

[Psychiatric care in the past, present and future] Häfner H.
Wien Klin Wochenschr [Suppl] 1986;170:10–7 (Eng. Abstr.) (Ger)

[Short-term psychotherapy] Rechenberger HG.
Wien Klin Wochenschr [Suppl] 1986;170:26–8 (Eng. Abstr.) (Ger)

[A systemic approach in psychotherapy] Stierlin H.
Wien Klin Wochenschr [Suppl] 1986;170:19–22 (Eng. Abstr.) (Ger)

[The future of psychotherapy] Strotzka H.
Wien Klin Wochenschr [Suppl] 1986;170:18–9 (Eng. Abstr.) (Ger)

[Future perspectives in diagnosis and therapy—contribution of behavior therapy] Zapotoczky HG.
Wien Klin Wochenschr [Suppl] 1986;170:22–5 (Eng. Abstr.) (Ger)

[Crisis intervention] Sonneck G. **Wien Med Wochenschr** 1986 Oct 31;136(19–20):497–9 (Eng. Abstr.) (Ger)

[Specific conflicts and behavior patterns of aging men—experiences from psychoanalytic psychotherapy] Radebold H. **Z Gerontol** 1986 Jul–Aug;19(4):240–3 (Ger)

[Psychotherapeutic competence] Förster E.
Z Kinder Jugenpsychiatr 1986;14(3):209–11 (Ger)

[Changes in inpatient utilization of a department of child and adolescent psychiatry between 1956 and 1985] Hummel P.
Z Kinder Jugenpsychiatr 1986;14(2):145–58 (Eng. Abstr.) (Ger)

[Approaches in determining adequate personnel in the child and adolescent psychiatric hospital] Rotthaus W.
Z Kinder Jugenpsychiatr 1987;15(2):158–66 (Ger)

[Evaluation of psychotherapy—basic research perspectives] Baumann U. **Z Klin Psychol Psychopathol Psychother** 1986; 34(2):169–78 (Eng. Abstr.) (Ger)

[Status and functions of the unit psychologist at the psychiatric hospital] Heim G.
Z Klin Psychol Psychopathol Psychother 1986;34(3):261–70 (Ger)

[Metamorphoses of relatives in clinical psychiatry] Stoffels H. **Z Klin Psychol Psychopathol Psychother** 1986; 34(2):157–68 (Eng. Abstr.) (Ger)

[Taming the unmanageable—on the benefits and damages of treatment management] Zeiler J.
Z Klin Psychol Psychopathol Psychother 1986;34(3):271–9 (Ger)

[Status of indications and therapeutic interaction in dynamic psychotherapy and standard analytic treatment?] Rudolf G, et al. **Z Psychosom Med Psychoanal** 1987;33(3):221–37 (Eng. Abstr.) (Ger)

[Therapeutic goal of the patient as a criterion for prognosis and success of inpatient psychotherapy] Ruff W, et al.
Z Psychosom Med Psychoanal 1987;33(3):238–51 (Eng. Abstr.) (Ger)

[Management of young and middle-aged psychiatric patients in general nursing homes] Kuhlmey J. **ZFA** 1986 Nov–Dec; 41(6):331–5 (Eng. Abstr.) (Ger)

[The elderly patient in the emergency psychiatric unit] Levy A, et al. **Harefuah** 1987 Feb 1;112(3):112–4 (Eng. Abstr.) (Heb)

[Current problems concerning care of neurotic patients in Hungary] Zalányi S, et al. **Orv Hetil** 1986 Aug 24; 127(34):2047–51 (Eng. Abstr.) (Hun)

[Analysis of the activities and considerations on the experience of the relational psychotherapy work at the Public Service Local Health Unit 12 of the Pisa Area] Capone D, et al. **Minerva Psichiatr** 1987 Jan–Mar; 28(1):51–8 (Eng. Abstr.) (Ita)

[Family problems in the therapy of patients at the geriatric department of the Adult Psychiatry Clinic, Medical Academy, in Cracow] Gierdziewicz A, et al.
Przegl Lek 1986;43(7):504–6 (Pol)

[Status and prospects of the development of mental health sciences and the science of mental disorders] Pużyński S.
Przegl Lek 1986;43(10):666–75 (Pol)

[Wards for chronically ill patients in psychiatric hospitals] Stańczak T. **Psychiatr Pol** 1986 Mar–Apr;20(2):107–11 (Eng. Abstr.) (Pol)

[Dynamics of somatopsychic relations in response to bitemporal exposure to a UHF (27.12 MHz) electric field in various gynecologic diseases] Andreev MK.
Vopr Kurortol Fizioter Lech Fiz Kult 1986 Nov–Dec; (6):33–6 (Rus)

[Treatment of nonpsychotic states of decompensation among oligophrenic patients including deviant forms of behavior] Golodets RG, et al. **Zh Nevropatol Psikhiatr** 1987; 87(3):413–7 (Eng. Abstr.) (Rus)

[Deinstitutionalization and its consequences (review)] Iastrebov VS. **Zh Nevropatol Psikhiatr** 1986;86(8):1243–9 (90 ref.) (Rus)

[Non-dispensary division of psychiatric services] Kovalev VV, et al. **Zh Nevropatol Psikhiatr** 1986;86(9):1410–6 (Eng. Abstr.) (Rus)

[Emergency services in psychiatry] Morkovkin VM, et al.
Zh Nevropatol Psikhiatr 1987;87(2):271–4 (Eng. Abstr.) (Rus)

[Intensive psychiatric care units. Their development in Cuba] Murias Regalado FJ. **Bol Of Sanit Panam** 1986 Dec; 101(6):660–77 (Eng. Abstr.) **(Spa)**

[The psychiatric present: future perspectives] Rodero Vicente B. **Rev Sanid Hig Publica (Madr)** 1986 Nov–Dec; 60(11–12):1201–15 (Eng. Abstr.) **(Spa)**

MENTAL DISORDERS, ORGANIC see **ORGANIC MENTAL DISORDERS**

MENTAL DISORDERS, ORGANIC, PSYCHOTIC see **ORGANIC MENTAL DISORDERS, PSYCHOTIC**

MENTAL DISORDERS, ORGANIC, SUBSTANCE-INDUCED see **ORGANIC MENTAL DISORDERS, SUBSTANCE-INDUCED**

MENTAL HEALING

Expectations and outcomes for patients given mental health care or spiritist healing in Puerto Rico. Koss JD. **Am J Psychiatry** 1987 Jan;144(1):56–61

The faith assembly. A follow-up study of faith healing and mortality. Spence C, et al. **Indiana Med** 1987 Mar; 80(3):238–40

The social consequence of wellness: a view of healing outcomes from micro and macro perspectives. Finkler K. **Int J Health Serv** 1986;16(4):627–42

Symbolic transformations in traditional healing rituals: perspectives from analytical psychology. Koss JD. **J Anal Psychol** 1986 Oct;31(4):341–55

The use of therapeutic touch in the management of pain. Wright SM. **Nurs Clin North Am** 1987 Sep;22(3):705–14 (29 ref.)

Psychiatric community care: a Maharashtrian example. Skultans V. **Psychol Med** 1986 Aug;16(3):499–501

The return of Dr Fritz: spiritist healing and patronage networks in urban, industrial Brazil. Greenfield SM. **Soc Sci Med** 1987;24(12):1095–108

[Biotherapy—reality or fantasy?] Mäsiar P, et al. **Cas Lek Cesk** 1987 Mar 27;126(13):399–404 (Eng. Abstr.) **(Slo)**

MENTAL HEALTH

Assessment of mental health and illness, considered in the light of a 13-year longitudinal study (mental health of the Finnish student. Follow-up, report III). Holmström R, et al. **Acta Psychiatr Scand [Suppl]** 1987;333:1–102

The physical and mental health of nonagenarians. Jensen GD, et al. **Age Ageing** 1987 Jan;16(1):19–24

Health and social status in patients with hip fractures and controls. Johnell O, et al. **Age Ageing** 1986 Sep;15(5):285–91

Some physiologic antecedents of adult mental health. Phillips KA, et al. **Am J Psychiatry** 1987 Aug;144(8):1009–13

Mental status of residents in old people's homes. Lau-Ting C, et al. **Ann Acad Med Singapore** 1987 Jan;16(1):118–21

Functional assessment of the elderly. A comparison of standard instruments with clinical judgment. Pinholt EM, et al. **Arch Intern Med** 1987 Mar;147(3):484–8

Job satisfaction, mental health, and job stressors among general dental practitioners in the UK. Cooper CL, et al. **Br Dent J** 1987 Jan 24;162(2):77–81

Sex-role beliefs, work attitudes and mental health in employed and non-employed mothers. Parry G. **Br J Soc Psychol** 1987 Mar;26 (Pt 1):47–58

The use of mass media in mental health. Lamontagne Y, et al. **Can J Psychiatry** 1986 Oct;31(7):617–20

Developing a social support network system to enhance mental and physical health. Christen AG. **Dent Clin North Am** 1986 Oct;30(4 Suppl):S79–92

Mental health care [editorial] Ndetei DM. **East Afr Med J** 1987 Feb;64(2):93–4

The "healthy elderly:" why do they do so well?Champlin L. **Geriatrics** 1987 Jul;42(7):79–80, 85

The use of mental health measures in nursing home research. Rabins PV, et al. **J Am Geriatr Soc** 1987 May;35(5):431–4 (19 ref.)

Body and mind: the effect of exercise, overweight, and physical health on psychological well-being. Hayes D, et al. **J Health Soc Behav** 1986 Dec;27(4):387–400

Mental health education in three primary care specialties. Strain JJ, et al. **J Med Educ** 1986 Dec;61(12):958–66

The Afro-American life cycle: success, failure, and mental health. Baker FM. **J Natl Med Assoc** 1987 Jun;79(6):625–33

The out-of-body experience and personality adjustment. Tobacyk JJ, et al. **J Nerv Ment Dis** 1987 Jun;175(6):367–70

The clinical application of mental health concepts in the integrated curriculum. Thies KM, et al. **J Nurs Educ** 1987 Jun;26(6):248–50

Job stress, mental health, and accidents among offshore workers in the oil and gas extraction industries. Cooper CL, et al. **J Occup Med** 1987 Feb;29(2):119–25

Health education for mental health. Graham P. **J R Soc Med** 1986;79 Suppl 13:28–30

The silent gift: a project for spiritual health. Jose NL. **J Sch Health** 1987 Feb;57(2):72–3

Celebrate life! A learning style-based mental health curriculum. Pituch MJ, et al. **J Sch Health** 1986 Dec; 56(10):450–2

Preliminary production functions describing change in mental health status. Knesper DJ, et al. **Med Care** 1987 Mar; 25(3):222–37

An American perspective on forensic psychiatry and mental health law in Europe. Modlin HC, et al. **Med Law** 1986; 5(4):309–21

Responding to threat of war in the nuclear age. Macpherson M. **Med War** 1986 Oct–Dec;2(4):255–60

Correcting misconceptions in mental health policy: strategies for improved care of the seriously mentally ill. Mechanic D. **Milbank Q** 1987;65(2):203–30

Crowding and mental health. Schwab JJ, et al. **Pavlov J Biol Sci** 1979 Oct–Dec;14(4):226–33

Models of mental health training for primary care physicians: a validation study. Strain JJ, et al. **Psychosom Med** 1987 Jan–Feb;49(1):88–98

The National Reporting Program for Mental Health Statistics: history and findings. Manderscheid RW, et al. **Public Health Rep** 1986 Sep–Oct;101(5):532–9

Migration and mental health in Peruvian society: toward a psychosocial model. Gaviria FM, et al. **Soc Psychiatry** 1986;21(4):193–9

Perceived health status among the new urban homeless. Ropers RH, et al. **Soc Sci Med** 1987;24(8):669–78

Mental health of submariners [letter] Biersner RJ. **Undersea Biomed Res** 1987 Jan;14(1):75–6

Self-efficacy and social support. Mediators of stress on mental health following a natural disaster. Murphy SA. **West J Nurs Res** 1987 Feb;9(1):58–86

[Mental health as a component of the health status in man (methods of its assessment)] Koudelková A. **Cesk Psychiatr** 1987 Apr;83(2):105–14 (Eng. Abstr.) **(Cze)**

[Theoretical and practical problems in the measurement of the mental health of populations. Quebec health survey] Kovess V, et al. **Acta Psychiatr Belg** 1986 Sep–Oct; 86(5):588–93 (Eng. Abstr.) **(Fre)**

[Unemployment and health] Häfner H. **Dtsch Med Wochenschr** 1987 Sep 11;112(37):1428–32 (26 ref.) **(Ger)**

[Keeping pets from the psychological viewpoint] Bergler R. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Dec; 183(2–3):304–25 (Eng. Abstr.) **(Ger)**

[Revision of the Mental Health Act] **Seishin Shinkeigaku Zasshi** 1986;88(9):629–704 **(Jpn)**

[Mental health of the progeny of persons with endogenous affective disorders (catamnestic studies)] Stomma D, et al. **Psychiatr Pol** 1986 Sep–Oct;20(5):344–50 (Eng. Abstr.) **(Pol)**

[Psychiatry in the 21st century] Sartorius N. **An R Acad Nac Med (Madr)** 1986;103(4):539–52 **(Spa)**

[Mental health in Latin America, 1970–1985] Alarcón RD. **Bol Of Sanit Panam** 1986 Dec;101(6):567–92 (Eng. Abstr.) **(Spa)**

MENTAL HEALTH ASSOCIATION see under **VOLUNTARY HEALTH AGENCIES**

MENTAL HEALTH SERVICES

Predictive validity of judgments of dangerousness in emergency civil commitment. McNiel DE, et al. **Am J Psychiatry** 1987 Feb;144(2):197–200

Mental illness and primary care [editorial] Shepherd M. **Am J Public Health** 1987 Jan;77(1):12–3

Risk versus motivation: the emergency room treatment of attempted suicide. Robertson BM, et al. **Can J Psychiatry** 1987 Mar;32(2):136–42

Mental health care for foster children in California. Klee L, et al. **Child Abuse Negl** 1987;11(1):63–74

An outpatient geriatric psychiatry assessment and treatment service. Reifler BV, et al. **Clin Geriatr Med** 1987 Feb; 3(1):203–9

Mental health care [editorial] Ndetei DM. **East Afr Med J** 1987 Feb;64(2):93–4

Inside the hidden mental health network. Examining mental health care delivery of primary care physicians. Jones LR, et al. **Gen Hosp Psychiatry** 1987 Jul;9(4):287–93

The effectiveness of mental health consultation and referral in ambulatory primary care: a research lacuna. Kamerow DB, et al. **Gen Hosp Psychiatry** 1987 Mar;9(2):111–7 (58 ref.)

Patient-oriented models for linking primary care and mental health care. Pincus HA. **Gen Hosp Psychiatry** 1987 Mar; 9(2):95–101

To search or not to search. Is there a clinical profile of a patient harboring a weapon? Privitera MR, et al. **Gen Hosp Psychiatry** 1986 Nov;8(6):442–7

Ambulatory mental health liaison research: a review and preview. Schulberg HC. **Gen Hosp Psychiatry** 1987 Mar; 9(2):126–34

The primary care physician and psychiatric services. Von Korff M, et al. **Gen Hosp Psychiatry** 1987 Jul;9(4):235–40

Attitudes of older and middle-aged persons toward mental health intervention. Lasoski MC, et al. **Gerontologist** 1987 Jun;27(3):288–92

The effects of monthly psychiatric consultation in a nursing home. Tourigny-Rivard MF, et al. **Gerontologist** 1987 Jun; 27(3):363–6

A clinical psychology service for the elderly. Trepka C, et al. **Health Bull (Edinb)** 1987 Mar;45(2):84–7

Weapon screening [letter] **Hosp Community Psychiatry** 1987 Feb;38(2):203

Weapon screening [letter] Bonner JW 3d. **Hosp Community Psychiatry** 1987 Apr;38(4):412–3

Clinicians' assessments of the service needs of young adult patients in public mental health care. Holcomb WR, et al. **Hosp Community Psychiatry** 1986 Sep;37(9):908–13

The mental health needs of the severely physically disabled. Thurer S, et al. **Hosp Community Psychiatry** 1987 Mar; 38(3):282–6

Alcohol-related psychiatric emergencies: differences in characteristics between those arriving at a walk-in clinic during and outside office hours. Mendelson EF. **Int J Addict** 1987 May;22(5):469–75

Assessing need for marijuana dependence treatment through an anonymous telephone interview. Roffman RA, et al. **Int J Addict** 1987 Jul;22(7):639–51

The emergency treatment of the depressed patient with physical illness. Slaby AE. **Int J Psychiatry Med** 1987; 17(1):71–83 (46 ref.)

Non-recording of socio-demographic variables in the emergency room setting. Adityanjee, et al. **Int J Soc Psychiatry** 1987 Spring;33(1):30–2

Changes in sex ratios in referrals [letter] Craft P, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Jan;26(1):113–4

Student perception of a university mental health service. White WC Jr, et al. **J Am Coll Health Assoc** 1979 Dec; 28(3):188

Patients who bring weapons to the psychiatric emergency room. McNiel DE, et al. **J Clin Psychiatry** 1987 Jun; 48(6):230–3

Sterling D. Garrard Memorial Symposium: Community health care services for adults with mental retardation. November 18, 1986, Auburn, Massachusetts. Proceedings. **Ment Retard** 1987 Aug;25(4):189–238

Correcting misconceptions in mental health policy: strategies for improved care of the seriously mentally ill. Mechanic D. **Milbank Q** 1987;65(2):203–30

27th International Neuropsychiatric Symposium. Pula, 16th–20th June, 1987. Abstracts. **Neurologija** 1987;36 Suppl 1:1–213

Mental health services in primary care [letter] **Nurse Pract** 1986 Nov;11(11):8, 10

The NP's role in primary care mental health services [letter] Weinberg AM. **Nurse Pract** 1986 Dec;11(12):15, 56

Police responses for mental health assistance. Pogrebin MR. **Psychiatr Q** 1986–87 Spring;58(1):66–73

The psychiatric emergency room and follow-up services in the community. Solomon P, et al. **Psychiatr Q** 1986–87 Summer;58(2):119–27

An empirically-based assessment of early intervention service provision and utilization. Fine MA, et al. **Psychol Rep** 1987 Jun;60(3 Pt 1):811–21

[A hospital unit for psychiatric crisis intervention 5 years later] Bronisch T, et al. **Psychiatr Prax** 1986 Nov; 13(6):213–8 (Eng. Abstr.) **(Ger)**

[Psychiatric emergency care and crisis intervention—concepts, experiences and results] Häfner H, et al. **Psychiatr Prax** 1986 Nov;13(6):203–12 (Eng. Abstr.) **(Ger)**

[The elderly patient in the emergency psychiatric unit] Levy A, et al. **Harefuah** 1987 Feb 1;112(3):112–4 (Eng. Abstr.) **(Heb)**

[Psychiatric intervention in the medical care for students] Pirozynski T, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr–Jun;90(2):265–8 **(Rum)**

[Emergency services in psychiatry] Morkovkin VM, et al. **Zh Nevropatol Psikhiatr** 1987;87(2):271–4 (Eng. Abstr.) **(Rus)**

ECONOMICS

The Alaska mental health lands. Schrader JL. **Am J Psychiatry** 1987 Jan;144(1):107–9

Private foundations in health affairs. A case study of the development of a national initiative for the chronically mentally ill. Aiken LH, et al. **Am Psychol** 1986 Nov; 41(11):1290–5

The substitution of nursing home for inpatient psychiatric care. Swan JH. **Community Ment Health J** 1987 Spring; 23(1):3–18

Cost-sharing and the use of general medical physicians for outpatient mental health care. Wells KB, et al. **Health Serv Res** 1987 Apr;22(1):1–17

Use of outpatient mental health services in HMO and fee-for-service plans: results from a randomized controlled trial. Wells KB, et al. **Health Serv Res** 1986 Aug; 21(3):453–74

Preferred provider organizations and mental health care. Altman LS, et al. **Hosp Community Psychiatry** 1987 Apr; 38(4):359–62

HMOs: not always the best medicine [editorial] Backus VP. **Hosp Community Psychiatry** 1987 Mar;38(3):229

The promise and pitfalls of purchase-of-service contracts. Dorwart RA, et al. **Hosp Community Psychiatry** 1986 Sep; 37(9):875–8

Capitation payment and mental health care: a review of the opportunities and risks. Lehman AF. **Hosp Community Psychiatry** 1987 Jan;38(1):31–8

Mental health funding [letter] Rubenstein LS, et al. **Hosp Community Psychiatry** 1987 Apr;38(4):410–2

A proposal for future funding of chronic and episodic mental illness. Talbott JA, et al. **Hosp Community Psychiatry** 1986 Nov;37(11):1126–30

Ethical issues and psychiatric cost-containment strategies. Rinella V. **Int J Law Psychiatry** 1986;9(1):125–36

Expenditures and sources of funds for mental health organizations, United States, 1983. Redick RW, et al. **Ment Health Stat Note** 1987 Apr;(180):1-34

HISTORY

Psychiatric emergency services: evolution, adaptation and proliferation. Wellin E, et al. **Soc Sci Med** 1987; 24(6):475-82

[Materials concerning the history of the organization of psychiatric services and the development of scientific-psychiatric thought in Odessa (1833-1927)] Mosketi KV, et al. **Zh Nevropatol Psikhiatr** 1987; 87(3):442-7 (Eng. Abstr.) **(Rus)**

LEGISLATION & JURISPRUDENCE

Changing a state mental health system through litigation: the Arizona experiment. Santiago JM, et al. **Am J Psychiatry** 1986 Dec;143(12):1575-9

DRGs and mental health law: a glimpse of the future. Appelbaum PS. **Hosp Community Psychiatry** 1986 Oct; 37(10):997-8

A review of mental health services for refugees between 1975 and 1985 and a proposal for future services. Boehnlein JK. **Hosp Community Psychiatry** 1987 Jul;38(7):764-8

Mental health and corrections: towards a working partnership. Harmon RB. **J Forensic Sci** 1987 Jan; 32(1):233-41

Models of mental health service delivery to correctional institutions. Maier GJ, et al. **J Forensic Sci** 1987 Jan; 32(1):225-32

[Legal and social responsibilities of the psychiatrist within the public health service] Merra S. **Minerva Med** 1986 Sep 15;77(34-35):1585-92 (Eng. Abstr.) **(Ita)**

MANPOWER

Increasing the emphasis on health care and the environment in geriatric mental health training. Coulton CJ. **Gerontol Geriatr Educ** 1985-86 Winter;6(2):5-14

Social work training for mental health services to the elderly within a multigenerational context. Hooyman NR. **Gerontol Geriatr Educ** 1985-86 Winter;6(2):27-48

Project OASIS: volunteer mental health paraprofessionals serving nursing home residents. Older Adults Sharing Important Skills. Crose R, et al. **Gerontologist** 1987 Jun; 27(3):359-62

ORGANIZATION & ADMINISTRATION

Patterns of coverage of psychiatric emergencies. Jee A, et al. **Acta Psychiatr Scand** 1987 Jul;76(1):101-2

A mobile crisis unit in the psychiatric emergency room. Bengelsdorf H, et al. **Hosp Community Psychiatry** 1987 Jun; 38(6):662-5

The chronic patient. Family support programs in a regional mental health system. Craig TJ, et al. **Hosp Community Psychiatry** 1987 May;38(5):459-60

Health maintenance organizations and their implications for psychiatry. Flinn DE, et al. **Hosp Community Psychiatry** 1987 Mar;38(3):255-63

Mental health services in Cuba. Kates N. **Hosp Community Psychiatry** 1987 Jul;38(7):755-8

Mentoring relationships in the careers of mental health administrators. Ochberg RL, et al. **Hosp Community Psychiatry** 1986 Sep;37(9):939-41

Recent developments in the care, treatment, and rehabilitation of the chronic mentally ill in Greece. Stefanis CN, et al. **Hosp Community Psychiatry** 1986 Oct; 37(10):1041-4

Alcohol and drug collegiate treatment programs: a proposal. Dean JC, et al. **J Subst Abuse Treat** 1986;3(2):95-101

U.S. Navy special psychiatric rapid intervention team (SPRINT). McCaughey BG. **Milit Med** 1987 Mar; 152(3):133-5

The changing structure of Dutch mental health care. Breemer ter Stege CP, et al. **Soc Sci Med** 1986;23(3):283-91

Technical and allocative efficiency in production of outpatient mental health clinic services. Frank RG, et al. **Soc Sci Med** 1987;24(10):843-50

[Organization of a system of psychological adjustment for myocardial infarct patients at a polyclinic] Paluianskene A, et al. **Kardiologiia** 1987 Jun;27(6):90-2 (Eng. Abstr.) **(Rus)**

[System of dynamic observation of children with mental disorders at a psychoneurologic department at a pediatric polyclinic] Gurovich IIa, et al. **Zh Nevropatol Psikhiatr** 1986;86(10):1560-4 (Eng. Abstr.) **(Rus)**

[Regarding the article by V. V. Kovalev and I. Ia. Gurovich, "The extra-dispensary system of psychiatric services" (letter)] Khokhlov LK. **Zh Nevropatol Psikhiatr** 1987; 87(3):452-3 **(Rus)**

[Non-dispensary division of psychiatric services] Kovalev VV, et al. **Zh Nevropatol Psikhiatr** 1986;86(9):1410-6 (Eng. Abstr.) **(Rus)**

[Prevention and treatment of psychiatric and neurologic diseases] Florenzano Urzúa R. **Bol Of Sanit Panam** 1986 Dec;101(6):593-610 (Eng. Abstr.) **(Spa)**

STANDARDS

Managing the workload in state mental hospitals. Ermutlu IM. **J Med Assoc Ga** 1987 Jul;76(7):527-9

[The psychiatric present: future perspectives] Rodero Vicente B. **Rev Sanid Hig Publica (Madr)** 1986 Nov-Dec; 60(11-12):1201-15 (Eng. Abstr.) **(Spa)**

SUPPLY & DISTRIBUTION

Deinstitutionalization of the mentally ill: oversimplification of complex issues. McCausland MP. **ANS** 1987 Apr; 9(3):24-33

An examination of mental health services offered by cleft/craniofacial teams. Broder H, et al. **Cleft Palate J** 1987 Apr;24(2):158-62

The balance of care for mentally handicapped adults. Baker N, et al. **Health Bull (Edinb)** 1987 Mar;45(2):95-100

[Further improvements in rural psychiatric services] Gladkova KI, et al. **Zh Nevropatol Psikhiatr** 1987; 87(1):113-6 (Eng. Abstr.) **(Rus)**

[Multidimensional analysis of the relation between the resources of the psychiatric service and the detection and prevalence of mental patients in regions of Siberia and the Far East] Potapov AI, et al. **Zh Nevropatol Psikhiatr** 1987; 87(3):437-41 (Eng. Abstr.) **(Rus)**

TRENDS

Mental health policy. Observations from Europe. Jansen MA. **Am Psychol** 1986 Nov;41(11):1273-8

The challenge of chronic mental illness: a retrospective and prospective view. Mechanic D. **Hosp Community Psychiatry** 1986 Sep;37(9):891-6

Diffusing the crisis in rural mental health care. Manolis DC. **Minn Med** 1987 Jan;70(1):14-5

UTILIZATION

Routine information systems in psychiatry. Forster DP, et al. **Acta Psychiatr Belg** 1986 Sep-Oct;86(5):582-7

Uses of a psychiatric case register. Evaluation studies. ten Horn GH, et al. **Acta Psychiatr Belg** 1986 Jul-Aug; 86(4):362-9

Experiences from a marital-sex therapy clinic in Nairobi. Ndetei DM, et al. **Acta Psychiatr Scand** 1986 Nov; 74(5):479-84

Social and resource factors related to the utilization of emergency psychiatric services in the Athens area. Vaslamatzis G, et al. **Acta Psychiatr Scand** 1987 Jan; 75(1):95-8

Prospective study of the pattern of utilization of mental health services of a Nigerian university hospital. Bamgboye EA, et al. **Afr J Med Med Sci** 1987 Mar;16(1):27-32

A retrospective study of adolescents' visits to a general hospital psychiatric emergency service. Hillard JR, et al. **Am J Psychiatry** 1987 Apr;144(4):432-6

Somatization in the community: relationship to disability and use of services. Escobar JI, et al. **Am J Public Health** 1987 Jul;77(7):837-40

The pattern of referral from speech pathologists to child mental health services. Brodie JM. **Aust Clin Rev** 1986 Sep; 6(22):147-50

Impact of removing the waiting list upon clinic intakes. Brooker BH, et al. **Can J Psychiatry** 1986 Aug;31(6):521-5

Overrepresentation of adopted children attending a children's mental health centre. Jerome L. **Can J Psychiatry** 1986 Aug;31(6):526-31

Out of hours referrals to a general psychiatric hospital. Blaney D, et al. **Health Bull (Edinb)** 1987 Mar;45(2):67-70

Psychiatric geography: where patients live and their use of services--a study of computerised mapping of case register data. McCance C, et al. **Health Bull (Edinb)** 1987 Jul; 45(4):197-210

Increased use of psychiatric emergency services by young chronic mentally ill patients. Surles RC, et al. **Hosp Community Psychiatry** 1987 Apr;38(4):401-5

Management variables as predictors of service utilization by the elderly in mental health. Knight B. **Int J Aging Hum Dev** 1986;23(2):141-7

Factors affecting the usage rate for mental health sections of college and university health services. Schwartz AJ. **J Am Coll Health Assoc** 1979 Dec;28(3):140-4

Prevalence of behavior problems and mental health utilization among encopretic children: implications for behavioral pediatrics. Gabel S, et al. **J Dev Behav Pediatr** 1986 Oct;7(5):293-7

Mental health services use by elderly adults in a primary care setting. Goldstrom ID, et al. **J Gerontol** 1987 Mar; 42(2):147-53

Gender differences in the use of mental health-related services: a re-examination. Leaf PJ, et al. **J Health Soc Behav** 1987 Jun;28(2):171-83

Coverage, care, cost, and outcome [editorial] Borus JF. **JAMA** 1986 Oct 10;256(14):1939

Psychiatric megatrends and the elderly [editorial] Glass RM. **JAMA** 1987 Jan 23-30;257(4):527-8

How cost sharing affects the use of ambulatory mental health services. Manning WG Jr, et al. **JAMA** 1986 Oct 10; 256(14):1930-4

A comparison of the effects of sociodemographic factors and health status on use of outpatient mental health services in HMO and fee-for-service plans. Wells KB, et al. **Med Care** 1986 Oct;24(10):949-60

Use of inpatient psychiatric services by the elderly age 65 and over, United States, 1980. Milazzo-Sayre LJ, et al. **Ment Health Stat Note** 1987 Apr;(181):1-37

Repeated users of a psychiatric emergency service in a Canadian general hospital. Pérez E, et al. **Psychiatr Q** 1986-87 Fall;58(3):189-201

The differential effect of attitudes on the use of mental health services. Leaf PJ, et al. **Soc Psychiatry** 1986;21(4):187-92

[Needs and utilization of mental health services in schizophrenia] Cormier HJ, et al. **Acta Psychiatr Belg** 1986 Jul-Aug;86(4):388-93 (Eng. Abstr.) **(Fre)**

[Epidemiologic study of patients admitted during a 1 year period to psychiatric after care] Jeanson F, et al. **Ann Med Psychol (Paris)** 1986 Jun;144(6):635-58 **(Fre)**

[Needs and demands for care in mental health services] Caraveo J, et al. **Salud Publica Mex** 1986 Sep-Oct; 28(5):504-14 (Eng. Abstr.) **(Spa)**

[A study from 3 different health care areas: the disease panorama in emergency psychiatry is homogeneous both geographically and socially] Gyllenhammar C, et al. **Lakartidningen** 1987 Jan 14;84(3):134, 136-7 **(Swe)**

MENTAL HEALTH SERVICES, COMMUNITY see **COMMUNITY MENTAL HEALTH SERVICES**

MENTAL HOSPITALS see **HOSPITALS, PSYCHIATRIC**

MENTAL HYGIENE see **MENTAL HEALTH**

MENTAL HYGIENE SERVICES see **MENTAL HEALTH SERVICES**

MENTAL PROCESSES

Mental phenomena as changes of state in a finite-state machine. Kydd RR, et al. **Aust NZ J Psychiatry** 1986 Jun; 20(2):158-65

Diurnal variations of performance and information processing. Testu F. **Chronobiologia** 1986 Oct-Dec; 13(4):319-26

Geopsychology and geopsychopathology: mental processes and disorders associated with geochemical and geophysical factors. Persinger MA. **Experientia** 1987 Jan 15; 43(1):92-104

Mental processes and disorders: a neurobehavioral perspective in human biometeorology. Persinger MA. **Experientia** 1987 Jan 15;43(1):39-48

Testing older patients' mental status: practical office-based approach. U'Ren RC. **Geriatrics** 1987 Mar;42(3):49-50, 54-6

The effects of age, sleep deprivation, and altitude on complex performance. Mertens HW, et al. **Hum Factors** 1986 Oct; 28(5):541-51

A closed-loop causal model of workload based on a comparison of fuzzy and crisp measurement techniques. Moray N, et al. **Hum Factors** 1987 Jun;29(3):339-48

Variations in mental performance under moderate cold stress. Sharma VM, et al. **Int J Biometeorol** 1987 Mar;31(1):85-91

On the early formation of the mind. I: Differentiation. Tähkä V. **Int J Psychoanal** 1987;68 (Pt 2):229-50

The Frenchay Aphasia Screening Test: a short, simple test for aphasia appropriate for non-specialists. Enderby PM, et al. **Int Rehabil Med** 1987;8(4):166-70

The cognitive level demands of the National Board Dental Examination. Rinchuse DJ, et al. **J Dent Educ** 1987 Sep; 51(9):543-5

What kind of noise increases with age? Cremer R, et al. **J Gerontol** 1987 Sep;42(5):515-8

The triad of neurological manifestations in bilateral chronic subdural hematoma and normal pressure hydrocephalus. Goto I, et al. **J Neurosurg Sci** 1986 Jul-Sep;30(3):123-8

Informed consent from the mentally incompetent elderly. Ratzan RM. **Postgrad Med** 1986 Oct;80(5):81-8

[Psychological effects of PaCO2 during general anesthesia in elderly patients] Matsumoto T, et al. **Masui** 1986 Aug; 35(8):1224-30 (Eng. Abstr.) **(Jpn)**

[Conscious levels of processing a preceding stimulus and priming effect] Kawaguchi J. **Shinrigaku Kenkyu** 1987 Feb; 57(6):350-6 (Eng. Abstr.) **(Jpn)**

[Hygienic evaluation of the effect of radio noise on mental work capacity] Dmitriev MT, et al. **Gig Sanit** 1987 Feb; (2):76-8 **(Rus)**

DRUG EFFECTS

Experimental behavioral studies with oxiracetam on different types of chronic cerebral impairment. Banfi S, et al. **Clin Neuropharmacol** 1986;9 Suppl 3:S19-26

Subjective effects of khat chewing in humans. Nencini P, et al. **Drug Alcohol Depend** 1986 Sep;18(1):97-105

Chronic low-level mercury exposure and neuropsychological functioning. Uzzell BP, et al. **J Clin Exp Neuropsychol** 1986 Oct;8(5):581-93

On central effects of serotonin re-uptake inhibitors: quantitative EEG and psychometric studies with sertraline and zimelidine. Saletu B, et al. **J Neural Transm** 1986; 67(3-4):241-66

Neuropsychological impairment following inorganic arsenic exposure. Bolla-Wilson K, et al. **J Occup Med** 1987 Jun; 29(6):500-3

The biology of human information processing. Callaway E. **J Psychoactive Drugs** 1986 Oct-Dec;18(4):315-8

Effect of coffee on the speed of subject-paced information processing. Büttig K, et al. **Neuropsychobiology** 1986; 16(2-3):126-30

Effects of temazepam on sleep quality and subsequent mental efficiency under normal sleeping conditions and following delayed sleep onset. Wesnes K, et al.

Neuropsychobiology 1986;15(3–4):187–91

[Clinical analysis of the effect of psychotropic agents by a quantitative study of free association and experimental dream arousal] Bénichou J. **Ann Med Psychol (Paris)** 1986 Apr;144(4):436–41 **(Fre)**

[Modification of psychophysical performance of the human by anticonvulsants] Meyer FP, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Jan;39(1):1–16 (Eng. Abstr.) **(Ger)**

[Effect of hypnotics on daytime function] Mizuki Y, et al. **Seishin Shinkeigaku Zasshi** 1986;88(11):913–9 **(Jpn)**

[Effect of haloperidol on the processes of information selection] Finkel'berg AL, et al. **Farmakol Toksikol** 1987 May–Jun;50(3):29–33 (Eng. Abstr.) **(Rus)**

[Evaluation of the nootropic effect of mebikar in clinical practice] Zimakova IE, et al. **Farmakol Toksikol** 1986 Sep–Oct;49(5):50–3 (Eng. Abstr.) **(Rus)**

[Effect of leu-enkephalin on the verbal forms of mental activity in alcoholics and healthy persons] Belkin AI, et al. **Probl Endokrinol (Mosk)** 1986 Sep–Oct;32(5):41–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Hypothalamus: past, present, future. Bloom FE. **Adv Biochem Psychopharmacol** 1987;43:1–11

The effects of different vertical air temperatures on mental performance. Tanaka M, et al. **Am Ind Hyg Assoc J** 1987 May;48(5):494–8

Frontal lobe dysfunction in Parkinson's disease. The cortical focus of neostriatal outflow. Taylor AE, et al. **Brain** 1986 Oct;109 (Pt 5):845–83

Appearance of frontal mid–line theta rhythm during sleep and its relation to mental activity. Hayashi H, et al. **Electroencephalogr Clin Neurophysiol** 1987 Jan;66(1):66–70

Anterior temporal focal abnormalities in EEG in normal aged subjects; correlations with psychopathological and CT brain scan findings. Visser SL, et al. **Electroencephalogr Clin Neurophysiol** 1987 Jan;66(1):1–7

N2 and automatic versus controlled processes. Näätänen R, et al. **Electroencephalogr Clin Neurophysiol [Suppl]** 1986; 38:169–86

A framework for relating cognitive to neural systems. Posner MI. **Electroencephalogr Clin Neurophysiol [Suppl]** 1986; 38:155–66

P300 complex: a manifestation of reactive or anticipatory processes of the brain? Rösler F. **Electroencephalogr Clin Neurophysiol [Suppl]** 1986; 38:138–42

Adult age differences in cross–modal recoding and mental tempo, and older adults' utilization of compensatory task conditions. Bäckman L. **Exp Aging Res** 1986 Autumn; 12(3):135–40

ERP analysis of reafferent information processing during the performance of an arithmetical task. Haschke R, et al. **Int J Psychophysiol** 1987 May;5(1):25–31

General slowing of nonverbal information processing: evidence for a power law. Hale S, et al. **J Gerontol** 1987 Mar;42(2):131–6

Does mental activity change the oxidative metabolism of the brain? Roland PE, et al. **J Neurosci** 1987 Aug;7(8):2373–89

Two behavioral states studied in a single PET/FDG procedure: theory, method, and preliminary results. Chang JY, et al. **J Nucl Med** 1987 May;28(5):852–60

Viewing conditions and hemisphere asymmetry for the lexical decision. Chiarello C, et al. **Neuropsychologia** 1986; 24(4):521–9

Cerebral lateralization and handedness and their effects on verbal and spatial reasoning. Sheehan EP, et al. **Neuropsychologia** 1986;24(4):531–40

The principle of the dominant in modern psychophysiology. Batuev AS, et al. **Neurosci Behav Physiol** 1986 Jul–Aug; 16(4):265–73

A study of the connectedness among distant neuronal populations in the human brain during mental activity. Bekhtereva NP, et al. **Neurosci Behav Physiol** 1986 Jul–Aug;16(4):322–33

Electrical measurement of internal information processing during silent reading and listening. McGuigan FJ. **Pavlov J Biol Sci** 1979 Oct–Dec;14(4):218–25

Performance and sleepiness following moderate sleep disruption and slow wave sleep deprivation. Bonnet MH. **Physiol Behav** 1986;37(6):915–8

Vagal involvement in sinus arrhythmia attenuation under mental load. Negoescu R, et al. **Physiologie** 1986 Jul–Sep; 23(3):195–201

The role of the psyche in determining health. Pérez Lovelle R. **Sante Publique (Bucur)** 1986 Jul–Dec;29(3–4):185–91

Electrophysiological assessment of mental function following head injury [letter] De Salles AF, et al. **Surg Neurol** 1987 Jun;27(6):589

[Causes of the slowing–down of cognitive processes in aging: the noise hypothesis] Eased I, et al. **Tijdschr Gerontol Geriatr** 1986 Dec;17(6):233–43 (Eng. Abstr.) **(Dut)**

[The psyche, central nervous system and the gastrointestinal tract] Freyberger H, et al. **Dtsch Med Wochenschr** 1986 Nov 7;111(45):1739–42 (18 ref.) **(Ger)**

[Mental rotation of kinesthetic hand images and modes of stimulus presentation] Sekiyama K. **Shinrigaku Kenkyu** 1987 Feb;57(6):342–9 (Eng. Abstr.) **(Jpn)**

[Physiologic role of changes in the human neuron discharge rate during a single mental act] Bekhtereva NP, et al. **Dokl Akad Nauk SSSR** 1986;289(5):1276–80 **(Rus)**

[Relation between changes in arterial pressure and the character of mental activity during emotional stress] Belova EV, et al. **Fiziol Cheloveka** 1987 Jan–Feb;13(1):84–9 **(Rus)**

[Variability of the heart rhythm during mental work of varying intensity] Demina DM, et al. **Fiziol Cheloveka** 1986 Nov–Dec;12(6):971–5 **(Rus)**

[Factorial structure of the basic EEG parameters during intellectual activities. I. The local characteristics of the inhomogeneity of functional states] Lazarev VV. **Fiziol Cheloveka** 1986 Nov–Dec;12(6):891–9 **(Rus)**

[Functional aspects of the dynamic support systems for mental activities in the human brain] Medvedev SV, et al. **Fiziol Cheloveka** 1986 Jul–Aug;12(4):633–40 **(Rus)**

[Features of the dynamics of psychophysiologic functions during mental work] Diadichkin VP. **Gig Sanit** 1987 Apr; (4):39–41 (Eng. Abstr.) **(Rus)**

MENTAL RETARDATION

see related
CHROMOSOME ABNORMALITIES
CRETINISM
EDUCATION OF MENTALLY RETARDED
METABOLISM, INBORN ERRORS

Megalocornea and mental retardation syndrome: two new cases. Del Giudice E, et al. **Am J Med Genet** 1987 Feb; 26(2):417–20

Attitudes and behavior toward students with handicaps by their nonhandicapped peers. Fortini ME. **Am J Ment Defic** 1987 Jul;92(1):78–84

Hepatitis B virus transmission in a public school: effects of mentally retarded HBsAG carrier students. Williams CA, et al. **Am J Public Health** 1987 Apr;77(4):476–8

Mental retardation: research, education, and technology transfer. **Ann NY Acad Sci** 1986;477:1–369

An overview of the medical school curriculum in mental retardation and strategies for change. Lesser EK. **Ann NY Acad Sci** 1986;477:339–45

Scholarly productivity in mental retardation. Matson JL, et al. **Appl Res Ment Retard** 1986;7(4):483–90

Sterilisation and the mentally handicapped [editorial] Chakraborti D. **Br Med J [Clin Res]** 1987 Mar 28; 294(6575):794

Impact of a handicapped child on mental health of parents. Romans–Clarkson SE, et al. **Br Med J [Clin Res]** 1986 Nov 29;293(6559):1395–7

Acute abdomen in severely mentally retarded patients. Voitk AJ. **Can J Surg** 1987 May;30(3):195–6

No contraceptive sterilization of the mentally retarded: the dawn of "Eve" Dickens B. **Can Med Assoc J** 1987 Jul 1; 137(1):65–7

Prevalence of serologic markers of hepatitis B in a New Brunswick institution for the mentally retarded. Farley JD, et al. **Can Med Assoc J** 1987 Jul 1;137(1):47–8

The "Eve" decision: "it may turn out to be a meek authority indeed". Marshall D. **Can Med Assoc J** 1987 Mar 15; 136(6):650–1

The evaluation of a dental treatment service for children attending special schools. Mellor J, et al. **Community Dent Health** 1987 Mar;4(1):43–8

The dental health of mentally and physically handicapped children: a review of the literature. Nunn JH. **Community Dent Health** 1987 Jun;4(2):157–68 (99 ref.)

Provision of dental services for handicapped children in Denmark. Schwarz E, et al. **Community Dent Health** 1987 Mar;4(1):35–42

Relative importance of caries risk factors in Finnish mentally retarded children. Palin–Palokas T, et al. **Community Dent Oral Epidemiol** 1987 Feb;15(1):19–23

The aging developmentally disabled person: a review. Walz T, et al. **Gerontologist** 1986 Dec;26(6):622–9 (51 ref.)

Old age in the retarded [letter] Gambert SR, et al. **J Am Geriatr Soc** 1986 Nov;34(11):835

Serving the handicapped [letter] Humble WE. **J Am Optom Assoc** 1987 May;58(5):373

A strategy for research on the use of nonvocal systems of communication. Kiernan C. **J Autism Dev Disord** 1981 Mar; 11(1):139–51

Issues in the modification of American sign language for instructional purposes. Moores DF. **J Autism Dev Disord** 1981 Mar;11(1):153–62

Language, social, and cognitive impairments in autism and severe mental retardation. Wing L. **J Autism Dev Disord** 1981 Mar;11(1):31–44

Some perspectives on intervention strategies for persons with developmental disorders. Yoder DE, et al. **J Autism Dev Disord** 1981 Mar;11(1):107–23

Referral practices and attitudes of pediatricians toward young mentally retarded children. Goodman JF, et al. **J Dev Behav Pediatr** 1987 Apr;8(2):97–105

On sterilising severely mentally handicapped people. Gillon R. **J Med Ethics** 1987 Jun;13(2):59–61

The rights of the mentally retarded and mandatory screening for the AIDS virus [letter] Tashjian VK. **JAMA** 1987 Mar 13;257(10):1327–8

Court of Appeal agrees to sterilisation of 17–year–old mentally handicapped girl under wardship jurisdiction. Brahams D. **Lancet** 1987 Mar 28;1(8535):757–8

House of Lords upholds decision to sterilise 17–year–old mentally handicapped girl. Brahams D. **Lancet** 1987 May 9;1(8541):1099–100

Consent to abortion on behalf of a mentally handicapped adult. Brahams D. **Lancet** 1987 Jun 13;1(8546):1386–7

Mentally incapable adults: consent to treatment. Brahams D. **Lancet** 1987 Jul 25;2(8552):228

Abortion and mental handicap [letter] Davis A. **Lancet** 1987 Jul 4;2(8549):48

Services for the mentally handicapped [letter] Jones PM, et al. **Lancet** 1986 Nov 8;2(8515):1100

Sex and the mentally handicapped: a lawyer's view. Gunn MJ. **Med Law** 1986;5(4):255–63

Mentally retarded persons and the criminal justice system. Hewitt SE. **Med Law** 1986;5(4):265–72

Sterling D. Garrard Memorial Symposium: Community health care services for adults with mental retardation. November 18, 1986, Auburn, Massachusetts. Proceedings. **Ment Retard** 1987 Aug;25(4):189–238

Approaching dental care for the developmentally disabled: a guide for the dental practitioner. Crespi PV, et al. **NY State Dent J** 1987 Feb;53(2):29–32

Sterilization of mentally retarded persons. Van der Merwe JV, et al. **Obstet Gynecol Surv** 1987 Aug;42(8):489–93

Butorphanol as a dental premedication in the mentally retarded. Jann MW, et al. **Oral Surg Oral Med Oral Pathol** 1987 Apr;63(4):403–7

American Academy of Pediatrics: Exercise for children who are mentally retarded. **Pediatrics** 1987 Sep;80(3):447–8

Forgotten children: maltreated children of mentally retarded parents. Crain LJ, et al. **Pediatrics** 1978 Jan;61(1):130–2

Medicolegal aspects of mental retardation. Smith SM, et al. **Psychiatr Clin North Am** 1986 Dec;9(4):699–712 (85 ref.)

1986 and beyond. A look into the future. Stavrakaki C, et al. **Psychiatr Clin North Am** 1986 Dec;9(4):797–803

Radiography of persons with developmental disabilities. Unger SP. **Radiol Technol** 1982 May–Jun;53(6):481–7

Malocclusions in physically and/or mentally handicapped children. Oreland A, et al. **Swed Dent J** 1987;11(3):103–19

[The Rett syndrome—criteria and personal experience] Lehovský M, et al. **Cesk Pediatr** 1987 Jan;42(1):30–2 (Eng. Abstr.) **(Cze)**

[Integration of mentally handicapped pupils in normal schools with particular attention to assessment by their families] Blinkenberg S, et al. **Ugeskr Laeger** 1987 Jan 19; 149(4):248–51 (Eng. Abstr.) **(Dan)**

[Accident occurrence among mentally retarded patients] Laulund T, et al. **Ugeskr Laeger** 1986 Sep 29; 148(40):2578–81 (Eng. Abstr.) **(Dan)**

[The mentally handicapped and their parents] Bermejo E. **Rev Med Suisse Romande** 1987 Jan;107(1):59–67 **(Fre)**

[Care of adult mentally retarded patients in institutions. Comparative study of homes and cantonal psychiatric clinics in the city and environs of Basle] Kuster C, et al. **Soz Praventivmed** 1986;31(6):290–3 (Eng. Abstr.) **(Ger)**

[Intellectual dysfunction in long–term survivor of one of identical twin with acute lymphocytic leukemia. Children's Cancer and Leukemia Study Group] Ninomiya T, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1880–5 (Eng. Abstr.) **(Jpn)**

[Aicardi's syndrome. Report of 2 cases] Abraham R, et al. **Arq Neuropsiquiatr** 1986 Dec;44(4):364–72 (Eng. Abstr.) **(Por)**

BLOOD

Plasma concentrations of magnesium, lead, lithium, copper, and zinc in mentally retarded persons. Bruhl HH, et al. **Am J Ment Defic** 1987 Jul;92(1):103–11

Folate metabolism and problem behaviour in mentally handicapped epileptics. Deb S, et al. **J Ment Defic Res** 1987 Jun;31 (Pt 2):163–8

Comparison of three measures of predictor VO2 maximum test protocols of adults with mental retardation: a pilot study. Lavay B, et al. **Ment Retard** 1987 Feb;25(1):39–42

CHEMICALLY INDUCED

The neurobehavioral effects of early lead exposure. Dietrich KN, et al. **Monogr Am Assoc Ment Defic** 1987;(8):71–95

The assessment of neurotoxicity in children. Electrophysiological methods. Otto DA. **Monogr Am Assoc Ment Defic** 1987;(8):139–58

Psycho–social factors, lead exposure, and IQ. Schroeder SR, et al. **Monogr Am Assoc Ment Defic** 1987;(8):97–137

CLASSIFICATION

Diagnostic classification of the aetiology of mental retardation in children [letter] Lamont MA, et al. **Br Med J [Clin Res]** 1987 Mar 21;294(6574):772–3

An aminopterin–like syndrome without aminopterin (ASSAS). Fraser FC, et al. **Clin Genet** 1987 Jul;32(1):28–34

Classification of abnormal children: discrimination learning ability. Deckner CW, et al. **J Autism Dev Disord** 1980 Dec; 10(4):405–15

Problems in the classification of congenital anomalies. Rowitz L. **Ment Retard** 1987 Feb;25(1):1–3

COMPLICATIONS

Successful balloon angioplasty of peripheral pulmonary stenosis in Williams syndrome. D'Orsogna L, et al. **Am Heart J** 1987 Sep;114(3):647–8

Zimmerman–Laband syndrome and profound mental retardation. Chodirker BN, et al. **Am J Med Genet** 1986

Nov;25(3):543–7
New multiple congenital anomalies/mental retardation syndrome with cardio–facio–cutaneous involvement—the CFC syndrome. Reynolds JF, et al. **Am J Med Genet** 1986 Nov;25(3):413–27
Incidence of occlusion due to impacted cerumen among mentally retarded adolescents. Brister F, et al. **Am J Ment Defic** 1986 Nov;91(3):302–4
Risk of pulmonary edema in mentally retarded persons. Chaney RH. **Am J Ment Defic** 1987 May;91(6):555–8
Accuracy of anthropometric equations for estimating body composition of mentally retarded adults. Rimmer JH, et al. **Am J Ment Defic** 1987 May;91(6):626–32
Reducing inappropriate behavior of mentally retarded children through interpolated reinforcement. Schmid TL. **Am J Ment Defic** 1986 Nov;91(3):286–93
Adrenocortical function and depressive illness in mentally retarded patients. Ruedrich SL, et al. **Am J Psychiatry** 1987 May;144(5):597–602
Stressful life events and psychiatric hospitalization of mentally retarded patients. Stack LS, et al. **Am J Psychiatry** 1987 May;144(5):661–3
Unusual association of XYY chromosomal constitution with colobomas of iris, myopia, increased lipoproteins, mental retardation and convulsions. Kitsiou S, et al. **Ann Genet (Paris)** 1986;29(4):264–5
Hearing loss in an institutionalized mentally retarded population. Identification by auditory brainstem response. Stein LK, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jan;113(1):32–5
Multiple pathology in a mentally handicapped individual. Akuffo E, et al. **Br J Psychiatry** 1986 Sep;149:377–8
Clopenthixol in aggressive mentally handicapped patients [letter] Bouras N, et al. **Br J Psychiatry** 1986 Dec;149:795
Manic–depressive psychosis in a mentally handicapped person: diagnosis and management. Kadambari SR. **Br J Psychiatry** 1986 May;148:595–6
Depression in mentally handicapped patients: diagnostic and neuroendocrine evaluation. Sireling L. **Br J Psychiatry** 1986 Sep;149:274–8
Mental retardation in a patient with Maroteaux–Lamy. Vestermark S, et al. **Clin Genet** 1987 Feb;31(2):114–7
Pseudodementia in the mentally retarded. A case report and review. Myers BA, et al. **Clin Pediatr (Phila)** 1987 May; 26(5):275–7
Effects of rationalizing drug treatment of patients with epilepsy and mental retardation. Beghi E, et al. **Dev Med Child Neurol** 1987 Jun;29(3):363–9
Sagittal craniostenosis, congenital heart disease, mental deficiency and various dysmorphies in two sibs—a "new" syndrome? Pfeiffer RA, et al. **Eur J Pediatr** 1987 Jan; 146(1):75–8
An unusual, possibly "new" MA/MR syndrome with sagittal craniosynostosis. Pfeiffer RA, et al. **Eur J Pediatr** 1987 Jan;146(1):74–5
Association of beta thalassemia, beta c, alpha thalassemia and mental retardation [letter] Sammarco P, et al. **Haematologica (Pavia)** 1986 Nov–Dec;71(6):517
Prenatal diagnosis of congenital methemoglobinemia with mental retardation. Kaftory A, et al. **Isr J Med Sci** 1986 Nov;22(11):837–40
A case of neuroleptic malignant syndrome in a mentally retarded adolescent. Diamond JM, et al. **J Adolesc Health Care** 1986 Nov;7(6):419–22
Use of depression rating instruments in developmentally and educationally delayed adolescents. Beck DC, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Jan;26(1):97–100
Toward better eye and vision care for the mentally handicapped [editorial] Bartlett JD. **J Am Optom Assoc** 1987 Jan;58(1):6–7
The mentally handicapped [letter] Hoss AB. **J Am Optom Assoc** 1987 Jun;58(6):458
Serving the mentally handicapped patient: a self assessment. Maino DM. **J Am Optom Assoc** 1987 Jan;58(1):36–9
The mentally handicapped patient: a perspective. Maino DM. **J Am Optom Assoc** 1987 Jan;58(1):14–7
Marfan's syndrome associated with epilepsy and mental deficiency. Agarwal T, et al. **J Assoc Physicians India** 1986 Aug;34(8):594–5
Hearing loss in the developmentally handicapped: a comparison of three audiometric procedures. Benham–Dunster RA, et al. **J Aud Res** 1985 Jul; 25(3):175–90
Emotional disturbance in mental retardation: an investigation of differential diagnosis. Spreat S, et al. **J Autism Dev Disord** 1980 Sep;10(3):361–7
Facioscapulohumeral dystrophy associated with mental retardation, hearing loss, and tortuosity of retinal arterioles. Matsuzaka T, et al. **J Child Neurol** 1986 Jul;1(3):218–23
Extensive Actinomyces naeslundii infection in a child. Dobson SR, et al. **J Clin Microbiol** 1987 Jul;25(7):1327–9
An epidemic of El Tor cholera in an institution for the mentally retarded in Alabang, Philippines. Dayrit MM, et al. **J Diarrhoeal Dis Res** 1986 Jun;4(2):83–6
Spondyloepiphyseal dysplasia tarda: a new autosomal recessive variant with mental retardation. Kohn G, et al. **J Med Genet** 1987 Jun;24(6):366–9
Surgical management of gastroesophageal reflux in severely mentally retarded children. Chang JH, et al. **J Ment Defic Res** 1987 Mar;31 (Pt 1):1–7
Erotomanic delusions in mentally handicapped patients: two case reports. Collacott RA. **J Ment Defic Res** 1987 Mar; 31 (Pt 1):87–92
Psychiatric and behavioural disorders amongst older severely mentally handicapped inpatients. James DH. **J Ment Defic Res** 1986 Dec;30 (Pt 4):341–5
Self–injurious behaviour in people with mental handicap: a total population study. Oliver C, et al. **J Ment Defic Res** 1987 Jun;31 (Pt 2):147–62
Intestinal obstruction as a cause of death in the mentally handicapped. Roy A, et al. **J Ment Defic Res** 1987 Jun; 31 (Pt 2):193–7
Precocious puberty in Kabuki makeup syndrome. Kuroki Y, et al. **J Pediatr** 1987 May;110(5):750–2
Affective disorders in mentally retarded adolescents—report of two cases with lithium treatment. Fukuda K, et al. **Jpn J Psychiatry Neurol** 1986 Dec;40(4):551–7
Management of behaviour problems in children with mental handicap [editorial] **Lancet** 1987 Mar 7;1(8532):545–6
Mental handicap with psychiatric illness [letter] Kinnell HG. **Lancet** 1986 Oct 4;2(8510):815–6
Medication and treatment of schizophrenia in persons with mental retardation. Menolascino FJ, et al. **Ment Retard** 1986 Oct;24(5):277–83
Cardiomyopathy, mental retardation, and autophagic vacuolar myopathy. Hart ZH, et al. **Neurology** 1987 Jun; 37(6):1065–8
Kabuki make–up syndrome in a Caucasian. Pagon RA, et al. **Ophthalmic Paediatr Genet** 1986 Aug;7(2):97–100
Occurrence of an astrocytoma in a patient with Williams syndrome. Semmekrot BA, et al. **Pediatr Neurosci** 1985–86; 12(3):188–91
Disorders of language, communication, and behavior in mentally retarded children. Some ideas on their co–occurrence. Beitchman JH, et al. **Psychiatr Clin North Am** 1986 Dec;9(4):689–98 (28 ref.)
Pharmacologic management of aggressivity and self–mutilation in the mentally retarded. Lapierre YD, et al. **Psychiatr Clin North Am** 1986 Dec;9(4):745–54 (91 ref.)
Neuropsychiatric complications of mental retardation. Roberts JK. **Psychiatr Clin North Am** 1986 Dec;9(4):647–57 (60 ref.)
Treatment outcome research for depression in mentally retarded children and youth: methodological issues. Matson JL. **Psychopharmacol Bull** 1986;22(4):1081–5
[Treatment of nonpsychotic states of decompensation among oligophrenic patients including deviant forms of behavior] Golodets RG, et al. **Zh Nevropatol Psikhiatr** 1987; 87(3):413–7 (Eng. Abstr.) **(Rus)**
[Rumination as a phenomenon in severe and profound mental retardation] Flego D, et al. **Med Pregl** 1986;39(7–8):361–2 (Eng. Abstr.) **(Scr)**
[Mental disorders in the child with borderline intelligence and mental retardation] Chamorro García L. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1987 Jan–Feb;15(1):39–44 **(Spa)**
[Prevalence of markers of infection with hepatitis B, delta and HTLV–III viruses in the mentally retarded] Buti M, et al. **Rev Clin Esp** 1986 Sep;179(4):175–7 (Eng. Abstr.) **(Spa)**
[Vision disability—an underdiagnosed additional handicap in the mentally retarded] Jacobson L, et al. **Lakartidningen** 1987 Feb 11;84(7):453–6 **(Swe)**

DIAGNOSIS

Definition and classification of mental retardation: a reply to Zigler, Balla, and Hodapp. Barnett WS. **Am J Ment Defic** 1986 Sep;91(2):111–9
Differential WAIS/WAIS–R IQ discrepancies among institutionalized mentally retarded persons. Goldman JJ. **Am J Ment Defic** 1987 May;91(6):633–5
Adaptive Behavior Scale Cognitive Triad: discrimination and classification of institutionalized mentally retarded adults. McLaren KP, et al. **Am J Ment Defic** 1986 Nov;91(3):304–7
Construct validity of the Kaufman Assessment Battery for Children with mildly mentally retarded students. Obrzut A, et al. **Am J Ment Defic** 1987 Jul;92(1):74–7
Information–processing approaches to early identification of mental retardation. Vietze PM, et al. **Ann NY Acad Sci** 1986;477:266–76
A case of ataxic diplegia, mental retardation, congenital nystagmus and abnormal auditory brain stem responses showing only waves I and II. Aiba K, et al. **Brain Dev** 1986;8(6):630–2
The early detection of mental retardation. Shapiro BK, et al. **Clin Pediatr (Phila)** 1987 May;26(5):215–20
Parental developmental assessment of 18–month–old children: reliability and predictive value. Sonnander K. **Dev Med Child Neurol** 1987 Jun;29(3):351–62
Cognitive impairment in preschoolers: identification using the Personality Inventory for Children–Revised. Byrne JM, et al. **J Abnorm Child Psychol** 1987 Jun;15(2):239–46
Effects of age on adaptive behavior levels and academic skill levels in autistic and mentally retarded children. Ando H, et al. **J Autism Dev Disord** 1980 Jun;10(2):173–84
Cross–sectional studies of grammatical morphemes in autistic and mentally retarded children. Bartolucci G, et al. **J Autism Dev Disord** 1980 Mar;10(1):39–50
Rett syndrome in Sweden [letter] Witt–Engerström I, et al. **J Autism Dev Disord** 1987 Mar;17(1):149–50
Rett's syndrome: progression of symptoms from infancy to childhood. Suzuki H, et al. **J Child Neurol** 1986 Apr; 1(2):137–41
The syndrome of mental handicap, cataracts, muscle wasting and skeletal abnormalities: report of a second case. Collacott RA, et al. **J Ment Defic Res** 1986 Sep;30 (Pt 3):301–8
Variations in multidisciplinary team composition for identifying children with mental retardation. Frankenberger W, et al. **Ment Retard** 1986 Aug;24(4):203–7
Intelligence quotient scores of 4–year–old children: social–environmental risk factors. Sameroff AJ, et al. **Pediatrics** 1987 Mar;79(3):343–50
Simultaneous–successive factor structure of the WISC–R: a validation study. Conboy TJ, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 2):963–9
Prenatal diagnosis of mental retardation and its implications. Berg JM. **Psychiatr Clin North Am** 1986 Dec;9(4):625–34 (25 ref.)
Mental retardation. Medical aspects. Koranyi EK. **Psychiatr Clin North Am** 1986 Dec;9(4):635–45
Psychiatric aspects of assessment of competence of mentally retarded persons. Pregelj S. **Psychiatr Clin North Am** 1986 Dec;9(4):713–21
Neuropsychological variables and mental retardation. Trites RL. **Psychiatr Clin North Am** 1986 Dec;9(4):723–31
Limiting factors in the use of DSM–III criteria with mentally ill/mentally retarded persons. Sovner R. **Psychopharmacol Bull** 1986;22(4):1055–9
[Description of a population of children and adolescents with mental handicaps] Matile PA, et al. **Schweiz Arch Neurol Psychiatr** 1987;138(2):21–33 (Eng. Abstr.) **(Fre)**
[Coffin–Siris syndrome in a 5–year–old girl] Meinecke P, et al. **Monatsschr Kinderheilkd** 1986 Sep;134(9):692–5 (Eng. Abstr.) **(Ger)**
[Partial performance weaknesses from the clinicopsychologic viewpoint and their significance for educational practice] Peusch J. **Padiatr Grenzgeb** 1986;25(5):401–4 (Eng. Abstr.) **(Ger)**
[Relation of early cognitive and communicative development in healthy and handicapped children] Sarimski K. **Prax Kinderpsychol Kinderpsychiatr** 1987 Jan;36(1):2–7 (Eng. Abstr.) **(Ger)**
[Interdiction and guardianship—a comparative analysis from the neurologist's viewpoint] Kreiner R, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Sep; 38(9):538–46 (Eng. Abstr.) **(Ger)**
[Psychogenic movement disorders in the mental handicapped. Differential diagnosis and therapy. Case report] Hoffmeyer O, et al. **Z Kinder Jugenpsychiatr** 1986; 14(3):212–9 (Eng. Abstr.) **(Ger)**
[Dyslexia and analphabetism] Weinschenk C. **Z Kinder Jugenpsychiatr** 1986;14(2):184–6 **(Ger)**
[Rett's syndrome. A new clinical picture] Bostad R, et al. **Tidsskr Nor Laegeforen** 1987 Jun 30;107(19–21):1659–61 (Eng. Abstr.) **(Nor)**
[Idiopathic infantile hypercalcemia and Williams syndrome] Knudtzon J, et al. **Tidsskr Nor Laegeforen** 1986 Jun 20; 106(17–18):1488–91 (Eng. Abstr.) **(Nor)**
[Neuropsychological study of states of mild intellectual retardation in children] Glezerman TB, et al. **Zh Nevropatol Psikhiatr** 1987;87(3):386–9 (Eng. Abstr.) **(Rus)**
[Various methodologic problems in the diagnosis of mental retardation] Korobeĭnikov IA. **Zh Nevropatol Psikhiatr** 1987;87(3):396–400 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Treatment strategies for self–injurious behavior in a large service–delivery network. Altmeyer BK, et al. **Am J Ment Defic** 1987 Jan;91(4):333–40
Clopenthixol decanoate in the management of aggressive mentally handicapped patients. Mlele TJ, et al. **Br J Psychiatry** 1986 Sep;149:373–6
Control of aggressive and self–mutilative behavior in a mentally retarded patient with lithium [letter] Amin P, et al. **Can J Psychiatry** 1987 Mar;32(2):162–3
Psychopharmacology of self–injurious behavior in the mentally retarded. Farber JM. **J Am Acad Child Adolesc Psychiatry** 1987 May; 26(3):296–302
Preliminary study of imipramine in profoundly retarded residents. Aman MG, et al. **J Autism Dev Disord** 1986 Sep; 16(3):263–73
Overview of pharmacotherapy: current status and future directions. Aman MG. **J Ment Defic Res** 1987 Jun;31 (Pt 2):121–30
A critical appraisal of recent drug research in mental retardation: the Coldwater studies. Aman MG, et al. **J Ment Defic Res** 1986 Sep;30 (Pt 3):203–16
Comments on the community drug treatment prevalence survey by Davis et al. (1981) [letter] Gadow KD. **J Ment Defic Res** 1987 Jun;31 (Pt 2):215–9
Overview of research in psychopharmacological treatment of the mentally ill/mentally retarded. Lipman RS. **Psychopharmacol Bull** 1986;22(4):1046–54 (54 ref.)

ENZYMOLOGY

Deficient fumarase activity in an infant with fumaricacidemia and its distribution between the different forms of the enzyme seen on isoelectric focusing. Petrova–Benedict R, et al. **Am J Hum Genet** 1987 Mar;40(3):257–66

ETIOLOGY

The biological origin of mild mental retardation. A critical review. Akesson HO. **Acta Psychiatr Scand** 1986 Jul; 74(1):3–7

Theoretical notions of intelligence and mental retardation. Detterman DK. **Am J Ment Defic** 1987 Jul;92(1):2–11

Diagnostic classification of the aetiology of mental retardation in children. Newell SJ, et al. **Br Med J [Clin Res]** 1987 Jan 17;294(6565):163–6

Molecular biological approaches to mental retardation. Wong DL, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:519–21

Causal origins of major mental handicap in the Canadian Maritime provinces. McQueen PC, et al. **Dev Med Child Neurol** 1986 Dec;28(6):697–707

Screening of inherited oligosaccharidurias among mentally retarded patients in northern Finland. Aula P, et al. **J Ment Defic Res** 1986 Dec;30 (Pt 4):365–8

The ecology of mental handicap. Richardson SA. **J R Soc Med** 1987 Apr;80(4):203–6

Fetal alcohol syndrome is now leading cause of mental retardation [letter] Abel EL, et al. **Lancet** 1986 Nov 22; 2(8517):1222

Contribution of fetal alcohol syndrome to mental retardation [letter] Livingston J, et al. **Lancet** 1986 Dec 6; 2(8519):1337–8

Effect of intraventricular hemorrhage on the one-year mental and neurologic handicaps of the very low birth weight infant. Morales WJ. **Obstet Gynecol** 1987 Jul;70(1):111–4

Case 6. Abnormal facies and mental retardation in a patient with cystic fibrosis of the pancreas. Bradford WD, et al. **Pediatr Pathol** 1986;6(4):485–8

[Rett's syndrome] Kálmánchey R, et al. **Orv Hetil** 1987 Mar 22;128(12):619–22 (Eng. Abstr.) **(Hun)**

[Bourneville's tuberous sclerosis: neurological manifestations and skin anomalies] Galli V, et al. **Pediatr Med Chir** 1986 Nov–Dec;8(6):771–6 (Eng. Abstr.) **(Ita)**

[Börjeson–Forssman–Lehmann syndrome: report of a case] Wojciechowski M, et al. **Arq Neuropsiquiatr** 1986 Sep; 44(3):289–92 (Eng. Abstr.) **(Por)**

FAMILIAL & GENETIC

Autosomal dominant microcephaly without mental retardation. Rossi LN, et al. **Am J Dis Child** 1987 Jun; 141(6):655–9

Efficient isolation of X chromosome–specific single–copy probes from a cosmid library of a human X/hamster hybrid–cell line: mapping of new probes close to the locus for X–linked mental retardation. Hofker MH, et al. **Am J Hum Genet** 1987 Apr;40(4):312–28

A syndrome of microcephaly, eye anomalies, short stature, and mental deficiency. Bouwes Bavinck JN, et al. **Am J Med Genet** 1987 Apr;26(4):825–31

Apparently new autosomal recessive syndrome of mental retardation, distal limb deficiencies, oral involvement, and possible renal defect. Buttiens M, et al. **Am J Med Genet** 1987 Jul;27(3):651–60

A new X–linked mental retardation syndrome. Clark RD, et al. **Am J Med Genet** 1987 Jan;26(1):13–5

Interstitial 7q deletion [46,XY,del (7) (pter——cen::q112——qter)] in a retarded quadriplegic boy with normal beta glucuronidase. Frydman M, et al. **Am J Med Genet** 1986 Oct;25(2):245–9

Mental retardation, deafness, skeletal abnormalities, and coarse face with full lips: confirmation of the Fountain syndrome. Fryns JP, et al. **Am J Med Genet** 1987 Mar; 26(3):551–5

Further linkage data on Norrie disease. Kivlin JD, et al. **Am J Med Genet** 1987 Mar;26(3):733–6

Deletion of 2p: a cytogenetic and clinical update. Neidich J, et al. **Am J Med Genet** 1987 Jul;27(3):707–10

DOOR syndrome (deafness, onycho–osteodystrophy, and mental retardation): elevated plasma and urinary 2–oxoglutarate in three unrelated patients. Patton MA, et al. **Am J Med Genet** 1987 Jan;26(1):207–15

Interstitial deletion of chromosome 2 (p23p25). Penchaszadeh VB, et al. **Am J Med Genet** 1987 Jul;27(3):701–6

Distal osteolysis, short stature, mental retardation, and characteristic facial appearance: delineation of an autosomal recessive subtype of essential osteolysis. Petit P, et al. **Am J Med Genet** 1986 Nov;25(3):537–41

Congenital corneal anesthesia with retinal abnormalities, deafness, unusual facies, persistent ductus arteriosus, and mental retardation: a new syndrome? Ramos–Arroyo MA, et al. **Am J Med Genet** 1987 Feb;26(2):345–54

Mental retardation, spasticity, and transverse limb defects. Zlotogora J. **Am J Med Genet** 1987 Jan;26(1):221–3

Fragile X syndrome: a common etiology of mental retardation [published erratum appears in Am J Ment Defic 1987 May;91(6):619] Rogers RC, et al. **Am J Ment Defic** 1987 Mar;91(5):445–9

Acrocentric/18p translocation in two mentally retarded males. Delineation of the adult phenotype. Fryns JP, et al. **Ann Genet (Paris)** 1986;29(2):107–11

Complex chromosome rearrangement in a retarded girl with malformations. Kitsiou S, et al. **Ann Genet (Paris)** 1987; 30(1):59–61

Hereditary polydactylic dwarfism syndrome. Liu ZF, et al. **Chin Med J [Engl]** 1987 Feb;100(2):124–6

The Angelman (Happy Puppet) syndrome: is it autosomal recessive? Baraitser M, et al. **Clin Genet** 1987 May; 31(5):323–30

Fragile (X) syndrome: a study of the psychological profile in 23 prepubertal patients. Borghgraef M, et al. **Clin Genet** 1987 Sep;32(3):179–86

Spastic paresis, glaucoma and mental retardation—a probable autosomal recessive syndrome? Chenevix–Trench G, et al. **Clin Genet** 1986 Nov;30(5):416–21

Population cytogenetics of autosomal fragile sites [letter] Fryns JP, et al. **Clin Genet** 1987 Jan;31(1):61–2

Proximal duplication of the long arm of chromosome 10 (10q11.2——10q22): a distinct clinical entity. Fryns JP, et al. **Clin Genet** 1987 Jul;32(1):61–5

A genetic–diagnostic survey in an institutionalized population of 173 severely mentally retarded patients. Fryns JP, et al. **Clin Genet** 1986 Oct;30(4):315–23

Mental retardation in a North Swedish isolate. Gustavson KH, et al. **Clin Genet** 1986 Nov;30(5):374–80

Congenital ichthyosis with alopecia, eclabion, ectropion and mental retardation—a new genetic syndrome. Jagell SF, et al. **Clin Genet** 1987 Feb;31(2):102–8

Frequency of rare fragile sites among mentally subnormal schoolchildren. Kähkönen M, et al. **Clin Genet** 1986 Sep; 30(3):234–8

Syndrome of microcephaly, deafness/malformed ears, mental retardation and peculiar facies in a mother and son. Kawashima H, et al. **Clin Genet** 1987 May;31(5):303–7

Supernumary marker chromosomes in a mentally retarded population identified as inv dup(15). Kirkilionis AJ, et al. **Clin Genet** 1987 Jun;31(6):425–8

Tandem duplication (1) (q11——q22) in a male infant with multiple congenital malformations. Mertens F, et al. **Clin Genet** 1987 Jul;32(1):46–8

Pallister–Killian syndrome: cytogenetic and molecular studies. Peltomäki P, et al. **Clin Genet** 1987 Jun; 31(6):399–405

Asymmetric crying facies with microcephaly and mental retardation. An autosomal dominant syndrome with variable expressivity. Silengo MC, et al. **Clin Genet** 1986 Dec;30(6):481–4

Chromosomal aberrations in 85 mentally retarded patients examined by high resolution banding. Tengström C, et al. **Clin Genet** 1987 Jan;31(1):53–60

Deletion of the short arm of chromosome 20. Vianna–Morgante AM, et al. **Clin Genet** 1987 Jun; 31(6):406–9

X–linked mental retardation and infantile spasms in two brothers [letter] Rugtveit J. **Dev Med Child Neurol** 1986 Aug;28(4):544–6

Spontaneous abortions in sibship of children with congenital malformation or malignant disease. Spira A, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Apr;9(2):89–95

The velo–cardio–facial (Shprintzen) syndrome. Clinical variability in eight patients. Meinecke P, et al. **Eur J Pediatr** 1986 Dec;145(6):539–44

A cytogenetic study of heavy mental retardates. I. A study on heavy mental retardates with cerebral palsy. Kanata S. **Hiroshima J Med Sci** 1986 Jun;35(2):149–61

A cytogenetic study of heavy mental retardates. II. A study on heavy mental retardates with behavior disorders. Kanata S. **Hiroshima J Med Sci** 1986 Sep;35(3):253–70

A cytogenetic study of heavy mental retardates. III. A study on 114 karyotypes with banding techniques and incidence of chromosome abnormalities. Kanata S. **Hiroshima J Med Sci** 1986 Sep;35(3):271–7

Frequency of the fragile X syndrome in institutionalized mentally retarded females in Japan. Arinami T, et al. **Hum Genet** 1987 Aug;76(4):344–7

Localization of the gene for a syndrome of X–linked skeletal dysplasia and mental retardation to Xq27–qter. Dlouhy SR, et al. **Hum Genet** 1987 Feb;75(2):136–9

Homozygous paracentric inversion 12 in a mentally retarded boy: a case report and review of the literature. Price HA, et al. **Hum Genet** 1987 Feb;75(2):101–8 (73 ref.)

A monozygotic twin pair with Rett syndrome. Tariverdian G, et al. **Hum Genet** 1987 Jan;75(1):88–90

Population genetics implications of the premutation hypothesis for the generation of the fragile X mental retardation gene. Winter RM. **Hum Genet** 1987 Mar; 75(3):269–71

The Cohen syndrome in Israel. Sack J, et al. **Isr J Med Sci** 1986 Nov;22(11):766–70

Autism, mental retardation, and chromosomal abnormalities. Mariner R, et al. **J Autism Dev Disord** 1986 Dec; 16(4):425–40 (31 ref.)

The brain in partial trisomy 18: a case report. Novotny EJ Jr, et al. **J Child Neurol** 1987 Jul;2(3):194–7

Autosomal dominant piebaldism and mental retardation syndrome associated with a t(1;2) (p22.1;q36). Rivera H, et al. **J Genet Hum** 1986 Aug;34(3–4):321–5

Genetic analysis of partial dihydropteridine reductase deficiency in families with mental retardation. Armstrong RA, et al. **J Inherited Metab Dis** 1986;9(4):400–1

5,10–Methylenetetrahydrofolate reductase deficiency. Clinical and biochemical features of a further case. Haan EA, et al. **J Inherited Metab Dis** 1985;8(2):53–7

Severe mental retardation in six generations of a large South African family carrying a translocation t(6;10)(q27;q25.2). Brusnický J, et al. **J Med Genet** 1986 Oct;23(5):435–45

Williams syndrome. Burn J. **J Med Genet** 1986 Oct; 23(5):389–95 (47 ref.)

Duchenne muscular dystrophy with adrenal insufficiency and glycerol kinase deficiency: high resolution cytogenetic analysis with molecular, biochemical, and clinical studies. Clarke A, et al. **J Med Genet** 1986 Dec;23(6):501–8

Angelman (happy puppet) syndrome in a girl and her brother. Fisher JA, et al. **J Med Genet** 1987 May;24(5):294–8

FG syndrome. Thompson E, et al. **J Med Genet** 1987 Mar; 24(3):139–43

Coffin–Lowry syndrome and schizophrenia: a family report. Collacott RA, et al. **J Ment Defic Res** 1987 Jun;31 (Pt 2):199–207

Intrachromosomal insertion of chromosome 13 in a family with psychosis and mental subnormality. Roberts SH, et al. **J Ment Defic Res** 1986 Sep;30 (Pt 3):227–32

A cytogenetic survey of a mentally retarded school–age population with special reference to fragile sites. Webb TP, et al. **J Ment Defic Res** 1987 Mar;31 (Pt 1):61–71

Familial lethal cardiomyopathy with mental retardation and scapuloperoneal muscular dystrophy. Bergia B, et al. **J Neurol Neurosurg Psychiatry** 1986 Dec;49(12):1423–6

Aural atresia associated with multiple congenital anomalies and mental retardation: a new syndrome. Cooper LF, et al. **J Pediatr** 1987 May;110(5):747–50

An infant with Beckwith–Wiedemann syndrome and chromosomal duplication 11p13——pter.: correlation of symptoms between 11p trisomy and Beckwith–Wiedemann syndrome. Okano Y, et al. **Jinrui Idengaku Zasshi** 1986 Dec;31(4):365–72

Interstitial deletion of the long arm of chromosome 8 without Langer–Giedion syndrome. Kazukawa S, et al. **Jpn J Psychiatry Neurol** 1986 Jun;40(2):221–6

Inverted duplication of chromosome 15: inv dup (15). Enzenauer RW, et al. **Milit Med** 1986 Aug;151(8):440–1

False negative results in patients with fra(X) (q) mental retardation taking oral vitamin supplements [letter] Froster–Iskenius U, et al. **N Engl J Med** 1987 Apr 23; 316(17):1093

Implications of fragile X expression in normal males for the nature of the mutation. Ledbetter DH, et al. **Nature** 1986 Nov 13–19;324(6093):161–3

Ataxia–deafness–retardation syndrome in three sisters. Koletzko S, et al. **Neuropediatrics** 1987 Feb;18(1):18–21

Retinal cone dysfunction and mental retardation associated with a de novo balanced translocation 1;6(q44;q27). Tranebjaerg L, et al. **Ophthalmic Paediatr Genet** 1986 Dec; 7(3):167–73

Partial proximal trisomy 15 (p ter——q 14) in a young girl. Olivares JR, et al. **Pathologica** 1985 Sep–Oct; 77(1051):555–62

Syndrome of mild mental retardation, spastic gait, and skeletal malformations in a family with partial deficiency of hypoxanthine–guanine phosphoribosyltransferase. Page T, et al. **Pediatrics** 1987 May;79(5):713–7

Isolation of anonymous DNA sequences from within a submicroscopic X chromosomal deletion in a patient with choroideremia, deafness, and mental retardation. Nussbaum RL, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6521–5

Chromosomes and mental retardation. Baraitser M. **Psychol Med** 1986 Aug;16(3):495–7

[Mental retardation linked to the fragile X chromosome] Mattei JF. **Arch Fr Pediatr** 1987 Apr;44(4):241–3 **(Fre)**

[An excess of mental retardation and/or congenital malformations in carriers of reciprocal translocations. A difficult and delicate problem in genetic counseling] Fryns JP, et al. **J Genet Hum** 1987 Jan;35(1):47–50 (Eng. Abstr.) **(Fre)**

[Cohen syndrome in 2 brothers] Zetler S, et al. **Klin Padiatr** 1987 Jan–Feb;199(1):55–7 (Eng. Abstr.) **(Ger)**

[The heritable fragile site: possible associations with mental retardation and cancer–specific chromosomal rearrangements] Hori T, et al. **Tanpakushitsu Kakusan Koso** 1986 Oct;31(13):1286–300 (57 ref.) **(Jpn)**

[(Fra)X in male cousins with mental retardation] Rożynkowa D, et al. **Pediatr Pol** 1986 Jul;61(7):441–5 **(Pol)**

[Chromosome characteristics of X–linked mental retardation. II. Autosomes] Bedel'baeva KhA, et al. **Genetika** 1987 Mar; 23(3):510–20 (Eng. Abstr.) **(Rus)**

[Endogenous blood ethanol in alcoholic patients and healthy subjects with and without a family history of alcoholism] Pron'ko PS, et al. **Zh Nevropatol Psikhiatr** 1987; 87(3):417–22 (Eng. Abstr.) **(Rus)**

[Mental retardation and X chromosome fragility] Rodríguez de la Rúa V, et al. **An Esp Pediatr** 1986 Nov;25(5):329–34 (Eng. Abstr.) **(Spa)**

HISTORY

Exhibiting mentally retarded people for amusement and profit, 1850–1940. Bogdan R. **Am J Ment Defic** 1986 Sep; 91(2):120–6

Henry Goddard and the Kallikak family photographs. "Conscious skulduggery" or "Whig history"? Pancher RE. **Am Psychol** 1987 Jun;42(6):585–90

Exploitation of the insane in the New World. Benoni Buck, the first reported case of mental retardation in the American colonies. Neugebauer R. **Arch Gen Psychiatry** 1987 May;44(5):481–3

IMMUNOLOGY

Poor seroconversion rate after hepatitis B vaccination in high–risk institutionalized mentally retarded patients. Cooper BW, et al. **Am J Infect Control** 1986 Oct; 14(5):204–8

Fetal antigenicity and maternal immunoreactivity. Factors in mental retardation. Gualtieri CT. **Monogr Am Assoc Ment Defic** 1987;(8):33–69

Mental retardation associated with elevated cerebrospinal fluid antibody levels to herpes simplex, adeno and mumps viruses. Koskiniemi M, et al. **Neuropediatrics** 1987 May; 18(2):110–1

METABOLISM

Estimation of energy stores of mentally retarded individuals. Litchford MD. **Am J Ment Defic** 1987 Mar;91(5):532–6

Trace metal abnormalities in long-stay hyperactive mentally handicapped children and agitated senile dements. Barlow PJ, et al. **J R Soc Med** 1986 Oct;79(10):581–3

MORTALITY

Mortality of mentally retarded children to 17 years of age assessed in a prospective one-year birth cohort. Similä S, et al. **J Ment Defic Res** 1986 Dec;30 (Pt 4):401–5

Changes in life expectancy of mentally retarded persons in Canadian institutions: a 12-year comparison. Wolf LC, et al. **J Ment Defic Res** 1987 Mar;31 (Pt 1):41–59

Medical conditions underlying increasing mortality of institutionalized persons with mental retardation. Eyman RK, et al. **Ment Retard** 1986 Oct;24(5):301–6

Life expectancy and mental retardation. A longitudinal study in a state residential facility. Eyman RK, et al. **Monogr Am Assoc Ment Defic** 1987;(7):1–73

NURSING

Mentally retarded patients. Special needs before and after surgery. Benchot RJ. **AORN J** 1986 Nov;44(5):768–80

Prehospitalization preparation for institutionalized people with mental retardation: a nursing approach. Murphy DM. **Ment Retard** 1986 Oct;24(5):307–10

Job stress and health: the role of social support at work. Browner CH. **Res Nurs Health** 1987 Apr;10(2):93–100

OCCURRENCE

Prevalence of major mental retardation and associated disabilities in the Canadian Maritime Provinces. McQueen PC, et al. **Am J Ment Defic** 1987 Mar;91(5):460–6

Sex differences in number of children administratively classified as mildly mentally retarded: an epidemiological review. Richardson SA, et al. **Am J Ment Defic** 1986 Nov; 91(3):250–6

"Serious" mental retardation in developing countries: an epidemiologic approach. Stein Z, et al. **Ann NY Acad Sci** 1986;477:8–21

The influence of habitat on the prevalence of mental handicap. Diaz-Fernández F, et al. **Int J Epidemiol** 1987 Mar;16(1):52–6

A longitudinal study of numbers of males and females in mental retardation services by age, IQ and placement. Richardson SA, et al. **J Ment Defic Res** 1986 Sep;30 (Pt 3):291–300

A minimum data set for mental retardation [editorial] Rowitz L. **Ment Retard** 1986 Aug;24(4):195–6

The prevalence of mild mental retardation in 6–15-year-old children. Christodorescu D, et al. **Neurol Psychiatr (Bucur)** 1986 Jul–Sep;24(3):161–6

Epidemiology and the extent of mental retardation. Munro JD. **Psychiatr Clin North Am** 1986 Dec;9(4):591–624 (151 ref.)

Social class differences in mental retardation and subnormality. Rantakallio P. **Scand J Soc Med** 1987; 15(2):63–6

[Incidence of retardation among low birth weight infants in Borsod-Abaúj-Zemplń County] Berkö P, et al. **Orv Hetil** 1987 Jul 19;128(29):1509–11 (Eng. Abstr.) **(Hun)**

[Incidence of oligophrenia with fragile X chromosome (FraXq27)] Bliumina MG. **Genetika** 1987 Jan;23(1):184–6 (Eng. Abstr.) **(Rus)**

[Extraction of an informative cluster of factors for identification of patients with neuropsychiatric diseases] Leshchinskiĭ BS, et al. **Zh Nevropatol Psikhiatr** 1986; 86(8):1212–5 (Eng. Abstr.) **(Rus)**

[Severe mental retardation in an urban child population] Puras DK. **Zh Nevropatol Psikhiatr** 1987;87(3):389–92 (Eng. Abstr.) **(Rus)**

[Comparative-age aspect of severe imbecility] Ustinova EV. **Zh Nevropatol Psikhiatr** 1987;87(3):392–6 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Correlates of mental retardation and structural changes of the brain. Shaw CM. **Brain Dev** 1987;9(1):1–8

Dermatoglyphic peculiarities in families with X-linked mental retardation and fragile site Xq27: a collaborative study. Rodewald A, et al. **Clin Genet** 1986 Jul;30(1):1–13

Neuropathology and clinical practice in mental handicap. Cowie VA, et al. **J Ment Defic Res** 1986 Dec;30 (Pt 4):311–5

The neuroanatomy of mental retardation in the white rat. Thompson R, et al. **Neurosci Biobehav Rev** 1986 Fall; 10(3):317–38

[Unrecognized diseases in mentally retarded individuals] Jensen BT. **Ugeskr Laeger** 1987 Apr 6;149(15):988–9 (Eng. Abstr.) **(Dan)**

PHYSIOPATHOLOGY

Graded exercise testing of mentally retarded adults: a study of feasibility. Fernhall B, et al. **Arch Phys Med Rehabil** 1987 Jun;68(6):363–5

Acuity card testing of retarded children. Hertz BG. **Behav Brain Res** 1987 May;24(2):85–92

Auditory brain stem responses(ABR) in developmentally retarded infants and children. Mochizuki Y, et al. **Brain Dev** 1986;8(3):246–56

REM sleep latency during nocturnal sleep in mentally retarded infants. Shibagaki M, et al. **Electroencephalogr Clin Neurophysiol** 1987 Jun;66(6):512–4

Developmental disorders of skin potential responses in mentally retarded children during nocturnal sleep. Shibagaki M, et al. **Electroencephalogr Clin Neurophysiol** 1987 Jul;67(1):32–9

Blink rate abnormalities in autistic and mentally retarded children: relationship to dopaminergic activity. Goldberg TE, et al. **J Am Acad Child Adolesc Psychiatry** 1987 May; 26(3):336–8

Operant acuity of toddlers and developmentally delayed children with low vision. Birch E, et al. **J Pediatr Ophthalmol Strabismus** 1987 Mar–Apr;24(2):64–9

The eye in idiopathic mental retardation. Ghose S, et al. **Jpn J Ophthalmol** 1986;30(4):431–5

[Extreme blinking in patients with severe physical and mental handicaps] Kohyama J, et al. **No To Hattatsu** 1987 Jan; 19(1):37–41 (Eng. Abstr.) **(Jpn)**

[Electrophysiologic analysis of the process of recognizing target and non-target stimuli in healthy and oligophrenic children] Fishman MN, et al. **Zh Vyssh Nerv Deiat** 1987 Mar–Apr;37(2):226–33 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Prevention of mental retardation: 1985. Crocker AC. **Ann NY Acad Sci** 1986;477:329–38

Mental retardation and developmental disabilities: research, education, and technology transfer. An overview. Yaffe SJ. **Ann NY Acad Sci** 1986;477:1–6

A perspective of mental handicap. Rix B. **J R Soc Health** 1986 Oct;106(5):161–5

Biomedical prevention of mental retardation. A model state plan. Guthrie R, et al. **Monogr Am Assoc Ment Defic** 1987; (8):159–76

PSYCHOLOGY

The aberrant behavior checklist: factor structure and the effect of subject variables in American and New Zealand facilities. Aman MG, et al. **Am J Ment Defic** 1987 May; 91(6):570–8

Similarity as a factor effecting change in children's attitudes toward mentally retarded peers. Bak JJ, et al. **Am J Ment Defic** 1987 Mar;91(5):524–31

Effects of mentally retarded children's behavioral competence on nonretarded peers' behaviors and attitudes: toward establishing ecological validity in attitude research. Bak JJ, et al. **Am J Ment Defic** 1987 Jul;92(1):31–9

Problem size and mentally retarded children's judgment of commutativity. Baroody AJ. **Am J Ment Defic** 1987 Jan; 91(4):439–42

Characteristics of home environment of families with mentally retarded children: comparison across levels of retardation. Blacher J, et al. **Am J Ment Defic** 1987 Jan; 91(4):313–20

Spatial and temporal sequencing of signs and words by severely mentally retarded children. Bowler DM, et al. **Am J Ment Defic** 1987 Jul;92(1):112–5

Relationship of perceived stimulus structure and intelligence: further tests of a separability hypothesis. Burns B. **Am J Ment Defic** 1986 Sep;91(2):196–200

Stimulation and control as components of stereotyped body rocking. Buyer LS, et al. **Am J Ment Defic** 1987 Mar; 91(5):543–7

Prevalence of stereotypy among institutionalized nonambulatory profoundly mentally retarded people. Dura JR, et al. **Am J Ment Defic** 1987 Mar;91(5):548–9

Patterns of maladjustment among mentally retarded children and youth. Epstein MH, et al. **Am J Ment Defic** 1986 Sep; 91(2):127–34

Life-span development of institutionalized and community-based mentally retarded persons, revisited. Eyman RK, et al. **Am J Ment Defic** 1987 May;91(6):559–69

To what behaviors do attending adults respond? A replication. Felce D, et al. **Am J Ment Defic** 1987 Mar; 91(5):496–504

Mildly mentally retarded and nonretarded children's learned helplessness. Gargiulo RM, et al. **Am J Ment Defic** 1986 Sep;91(2):203–6

Encoding, storage, and retrieval components of associative memory deficits of mildly mentally retarded adults. Gutowski WE, et al. **Am J Ment Defic** 1987 Jul;92(1):85–93

Aerophagia: an uncommon form of self-injury. Holburn CS. **Am J Ment Defic** 1986 Sep;91(2):201–3

Iconic memory deficit of mildly retarded individuals. Hornstein HA, et al. **Am J Ment Defic** 1987 Jan;91(4):415–21

Effects of response deprivation on the instrumental performance of mentally retarded persons [published erratum appears in Am J Ment Defic 1987 May;91(6):619] Konarski EA Jr. **Am J Ment Defic** 1987 Mar;91(5):537–42

Mother-father-child interactions in families with a mentally retarded young child. Levy-Shiff R. **Am J Ment Defic** 1986 Sep;91(2):141–9

Looking patterns of mentally retarded and nonretarded infants in play and instructional interactions. McCollum JA. **Am J Ment Defic** 1987 Mar;91(5):516–23

Facial expressions of mentally retarded and nonretarded children: I. Recognition by mentally retarded and nonretarded adults. Maurer H, et al. **Am J Ment Defic** 1987 Mar;91(5):505–10

Facial expressions of mentally retarded and nonretarded children: II. Recognition by nonretarded adults with varying experience with mental retardation. Maurer H, et al. **Am J Ment Defic** 1987 Mar;91(5):511–5

Automatic and effortful processing by mentally retarded and nonretarded persons. Meador DM, et al. **Am J Ment Defic** 1987 May;91(6):613–9

Differences between mentally retarded and nonretarded persons' efficiency of auditory sentence processing. Merrill EC, et al. **Am J Ment Defic** 1987 Jan;91(4):406–14

Developmentally delayed musical savant's sensitivity to tonal structure. Miller LK. **Am J Ment Defic** 1987 Mar; 91(5):467–71

Direction of effects: family life styles and behavior of TMR children. Mink IT, et al. **Am J Ment Defic** 1987 Jul; 92(1):57–64

Mentally retarded and nonretarded adults' memory for spatial location. Nigro GN, et al. **Am J Ment Defic** 1987 Jan; 91(4):392–7

Mentally retarded and nonretarded individuals' attention allocation and capacity. Nugent PM, et al. **Am J Ment Defic** 1987 May;91(6):598–605

Mentally retarded and nonretarded adults' sensitivity to spatial structure. Rieser JJ, et al. **Am J Ment Defic** 1987 Jan;91(4):379–91

Self-injurious and stereotypic behavior of noninstitutionalized mentally retarded people: prevalence and classification [published erratum appears in Am J Ment Defic 1987 May;91(6):619] Rojahn J. **Am J Ment Defic** 1986 Nov;91(3):268–76

Modification of mother-child interaction processes in families with children at-risk for mental retardation. Slater MA. **Am J Ment Defic** 1986 Nov;91(3):257–67

Handedness distribution in a residential population with severe or profound mental retardation. Soper HV, et al. **Am J Ment Defic** 1987 Jul;92(1):94–102

Effect of mentally retarded persons' level of stereotypy on their learning. Watkins KM, et al. **Am J Ment Defic** 1987 Jan;91(4):361–5

Structure of adaptive behavior: I. Replication across fourteen samples of nonprofoundly mentally retarded people. Widaman KF, et al. **Am J Ment Defic** 1987 Jan;91(4):348–60

Analyzing the stimulus properties of objects used in stereotyped behavior. Winnega M, et al. **Am J Ment Defic** 1986 Nov;91(3):277–85

Relationship between degree of infant handicap and clarity of infant cues. Yoder PJ. **Am J Ment Defic** 1987 May; 91(6):639–41

Mentally retarded adults and their siblings. Zetlin AG. **Am J Ment Defic** 1986 Nov;91(3):217–25

Combined carbamazepine and lithium therapy for violent behavior [letter] Buck OD, et al. **Am J Psychiatry** 1986 Nov;143(11):1487

Clonazepam in the treatment of mentally retarded persons [letter] Sovner R. **Am J Psychiatry** 1986 Oct;143(10):1324

Some comments on aging and a need for research. Janicki MP. **Ann NY Acad Sci** 1986;477:261–4

Interpersonal problem-solving skills of retarded and nonretarded children. Smith DC. **Appl Res Ment Retard** 1986;7(4):431–42

Bereavement in the mentally handicapped. McLoughlin IJ. **Br J Hosp Med** 1986 Oct;36(4):256, 258, 260

Family background of children with Down's syndrome and of children with a similar degree of mental retardation. Gath A, et al. **Br J Psychiatry** 1986 Aug;149:161–71

Psychiatric disorders in mildly and severely mentally retarded urban children and adolescents: epidemiological aspects. Gillberg C, et al. **Br J Psychiatry** 1986 Jul; 149:68–74

Change in adaptive behaviour of severely and profoundly mentally handicapped adults in different residential settings. Felce D, et al. **Br J Psychol** 1986 Nov;77 (Pt 4):489–501

Adaptation of children to a chronically ill or mentally handicapped sibling. Seligman M. **Can Med Assoc J** 1987 Jun 15;136(12):1249–52 (32 ref.)

Neglected and abused children of mentally retarded parents. Seagull EA, et al. **Child Abuse Negl** 1986;10(4):493–500

Theoretical implications of the hyperlexia syndrome: two new Italian cases. Cossu G, et al. **Cortex** 1986 Dec; 22(4):579–89

Children's responses to retarded peers as a function of social behaviors, labeling, and age. Van Bourgondien ME. **Except Child** 1987 Feb;53(5):432–9

Coping in families with a retarded child. Beavers J, et al. **Fam Process** 1986 Sep;25(3):365–78

On the Walz, Harper and Wilson article [letter] Charles DC. **Gerontologist** 1987 Jun;27(3):388

Violent and self-injurious behaviour in mentally handicapped patients—psychopharmacological control. Read SG, et al. **Int Clin Psychopharmacol** 1986 Jul;1 Suppl 1:63–74

Coping with the sexuality of the disabled: a comparison of the physically disabled and the mentally retarded. Giami A. **Int J Rehabil Res** 1987;10(1):41–8

A comparison of the attitudes of mothers of non-handicapped children and of mentally retarded children towards their child and their relation to the school behavior of the child. Mavrin-Cavor L, et al. **Int J Rehabil Res** 1986;9(4):315–24

Relations between sensorimotor attainments and development of language comprehension in retarded children. Cipriani P, et al. **Ital J Neurol Sci** 1986 Apr;Suppl 5:133–41

Families with disabled children: stress and social networks in three samples. Kazak AE. **J Abnorm Child Psychol** 1987 Mar;15(1):137–46

Computerized assessment of preference for severely handicapped individuals. Dattilo J. **J Appl Behav Anal** 1986 Winter;19(4):445–8

Experimental analysis of response covariation among compliant and inappropriate behaviors. Parrish JM, et al. **J Appl Behav Anal** 1986 Fall;19(3):241–54

Reward value of prosodic features of language for autistic, mentally retarded, and normal children. Frankel F, et al. **J Autism Dev Disord** 1987 Mar;17(1):103–13

Sibling relationships of children with autistic, mentally retarded, and nonhandicapped brothers and sisters. McHale SM, et al. **J Autism Dev Disord** 1986 Dec;16(4):399–413

Performance of psychiatric inpatients and intellectually deficient individuals on a task that assesses the validity of memory complaints. Goldberg JO, et al. **J Clin Psychol** 1986 Sep;42(5):792–5

The mildly retarded adolescent: a psychosocial perspective. Brier N. **J Dev Behav Pediatr** 1986 Oct;7(5):320–3

A later look at borderline and mildly retarded preschoolers. Vig S, et al. **J Dev Behav Pediatr** 1987 Feb;8(1):12–7

Equivalence class formation in language-able and language-disabled children. Devany JM, et al. **J Exp Anal Behav** 1986 Nov;46(3):243–57

Knowledge and behavior relationships in the memory ability of retarded and nonretarded students. Lukose S. **J Exp Child Psychol** 1987 Feb;43(1):13–24

Comprehension in "hyperlexic" readers.Snowling M, et al. **J Exp Child Psychol** 1986 Dec;42(3):392–415

Rehabilitation of delinquents: the tale of an experience. Turns DM, et al. **J Forensic Sci** 1977 Jan;22(1):231–9

Family bonding of the mentally ill: an analysis of family visits with residents of board and care homes. Fisher GA, et al. **J Health Soc Behav** 1986 Sep;27(3):236–49

The development of the interpersonal construct system in educable mentally retarded children. Bliss LS. **J Ment Defic Res** 1986 Sep;30 (Pt 3):261–9

The effect of neuroleptics on cognition and diagnosis, and their influence on stereotypies [letter] Campbell M. **J Ment Defic Res** 1987 Jun;31 (Pt 2):220–5

Adults who are mentally handicapped as consumers: issues and guidelines for interviewing. Flynn MC. **J Ment Defic Res** 1986 Dec;30 (Pt 4):369–77

Adults who are mentally handicapped and living with their parents: satisfaction and perceptions regarding their lives and circumstances. Flynn MC, et al. **J Ment Defic Res** 1986 Dec;30 (Pt 4):379–87

Cognitive and behavioural profiles of the elderly mentally handicapped. Hewitt KE, et al. **J Ment Defic Res** 1986 Sep;30 (Pt 3):217–25

Negative ion effects on hemispheric processing and selective attention in the mentally retarded. Morton LL, et al. **J Ment Defic Res** 1987 Jun;31 (Pt 2):169–80

The relationship between chronological age, length of institutionalization and measured intellectual functioning among moderately mentally retarded adults. Russell T, et al. **J Ment Defic Res** 1986 Dec;30 (Pt 4):331–9

Lithium treatment and cognitive changes in two mentally retarded patients. Elliott RL. **J Nerv Ment Dis** 1986 Nov; 174(11):689–92

The Mini Mental State in those with developmental disabilities. Myers BA. **J Nerv Ment Dis** 1987 Feb; 175(2):85–9

Talking to children, foreigners, and retarded adults. DePaulo BM, et al. **J Pers Soc Psychol** 1986 Nov;51(5):945–59

Distribution of auditory response behaviors in normal infants and profoundly multihandicapped children. Flexer C, et al. **J Speech Hear Res** 1986 Sep;29(3):425–9

Siblings of the mentally retarded—a neglected resource and family member. Weiss AI. **Med Law** 1986;5(4):279–87

Interactions of preschoolers with and without handicaps in integrated and segregated settings: a longitudinal study. Beckman PJ, et al. **Ment Retard** 1987 Feb;25(1):5–11

Exploring parents' reactions to their young child with severe handicaps. Eden-Piercy GV, et al. **Ment Retard** 1986 Oct; 24(5):283–91

Leisure: a moral imperative. Fain GS. **Ment Retard** 1986 Oct; 24(5):261–3

Integrating religious and secular perspectives in the design and delivery of disability services. Heifetz LJ. **Ment Retard** 1987 Jun;25(3):127–31

Leadership functions in a work-group clique of adults with mental retardation. Padin-Rivera E, et al. **Ment Retard** 1986 Dec;24(6):339–45

Institutions versus community placements: the effects of different residential environments on the behaviour of intellectually handicapped adults. Webb OJ, et al. **NZ Med J** 1986 Dec 10;99(815):951–4

Williams syndrome: features in late childhood and adolescence. Pagon RA, et al. **Pediatrics** 1987 Jul; 80(1):85–91

Selected parameters of response organization in mildly mentally retarded children. Porretta DL. **Percept Mot Skills** 1987 Feb;64(1):95–100

Organizational effects on recall of a movement series by mildly mentally retarded adolescents. Porretta DL. **Percept Mot Skills** 1986 Oct;63(2 Pt 2):775–8

Assessing children with Down syndrome [letter] Davis W. **Phys Ther** 1986 Nov;66(11):1779–81

Psychiatric perspectives on mental retardation. **Psychiatr Clin North Am** 1986 Dec;9(4):591–803

Research on parenting by mentally retarded persons. Feldman MA. **Psychiatr Clin North Am** 1986 Dec; 9(4):777–96 (69 ref.)

Early developmental backgrounds of autistic and mentally retarded children. Future research directions. Konstantareas MM. **Psychiatr Clin North Am** 1986 Dec; 9(4):671–88 (84 ref.)

Performance of retarded and nonretarded persons on information-processing tasks: further tests of the similar structure hypothesis. Weiss B, et al. **Psychol Bull** 1986 Sep; 100(2):157–75

Musical inventiveness of five idiots-savants. Hermelin B, et al. **Psychol Med** 1987 Aug;17(3):685–94

Idiot savant calendrical calculators: rules and regularities. Hermelin B, et al. **Psychol Med** 1986 Nov;16(4):885–93

Visual and graphic abilities of the idiot savant artist. O'Connor N, et al. **Psychol Med** 1987 Feb;17(1):79–90

Behaviour problems in severely mentally handicapped children. Quine L. **Psychol Med** 1986 Nov;16(4):895–907

Specific and diversive curiosity in mentally retarded adults. Beer J, et al. **Psychol Rep** 1986 Oct;59(2 Pt 2):846

Verbal learning errors by mentally retarded adolescents as a function of learning stage. Drew CJ, et al. **Psychol Rep** 1987 Apr;60(2):597–8

Nonstandard standard scores on the new Vineland: a rejoinder to Cicchetti and Sparrow. Silverstein AB. **Psychol Rep** 1987 Apr;60(2):376–8

Psychometric and demographic characteristics of the psychopathology instrument for mentally retarded adults. Aman MG, et al. **Psychopharmacol Bull** 1986;22(4):1072–6

The nature and types of mental illness in the mentally retarded. Menolascino FJ, et al. **Psychopharmacol Bull** 1986;22(4):1060–71

NIMH review of fraud charge moves slowly [news] Holden C. **Science** 1986 Dec 19;234(4783):1488–9

Sex and sexual abuse in developmentally disabled adolescents. Schor DP. **Semin Adolesc Med** 1987 Mar;3(1):1–7

[Attitudes to the mentally retarded. Measurement of attitudes] Hošek K. **Cesk Psychiatr** 1986 Aug; 82(3–4):205–10 (Eng. Abstr.) **(Cze)**

[Heterosexual partnerships of severely mentally retarded patients] Herrfurth R, et al. **Z Gesamte Hyg** 1986 Jul; 32(7):432–3 (Eng. Abstr.) **(Ger)**

[Social anamnesis and social status of intellectually moderately-to-severely retarded patients] Herrfurth R, et al. **Z Gesamte Hyg** 1986 Aug;32(8):502–3 (Eng. Abstr.) **(Ger)**

[Some aspects of the health behavior of handicapped patients] Nolte W. **Z Gesamte Hyg** 1986 Dec;32(12):726–8 (Eng. Abstr.) **(Ger)**

[The social behavior of intellectually handicapped patients] Suhrweier H. **Z Gesamte Hyg** 1986 Dec;32(12):729–30 (Eng. Abstr.) **(Ger)**

[Behavior disorders in children with mental retardation (data of an epidemiologic study)] Kovalev VV, et al. **Zh Nevropatol Psikhiatr** 1986;86(10):1511–4 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Computed tomography of the brain in the Smith-Lemli-Opitz syndrome. Marion RW, et al. **J Child Neurol** 1987 Jul;2(3):198–200

REHABILITATION

Client characteristics and residential placement patterns. Borthwick-Duffy SA, et al. **Am J Ment Defic** 1987 Jul; 92(1):24–30

Operantly based treatment procedure for stair avoidance by a severely mentally retarded adult. Burgio LD, et al. **Am J Ment Defic** 1986 Nov;91(3):308–11

Information-processing correlates of computer-assisted word learning by mentally retarded students. Conners FA, et al. **Am J Ment Defic** 1987 May;91(6):606–12

Comparison of two prompting procedures to facilitate skill acquisition among severely mentally retarded adolescents. Day HM. **Am J Ment Defic** 1987 Jan;91(4):366–72

Maladaptive behavior merits fair treatment: a response to Seltzer and Krauss. Holburn CS. **Am J Ment Defic** 1986 Nov;91(3):211–6

Comparison of elderly and adult mentally retarded persons in community and institutional settings. Krauss MW, et al. **Am J Ment Defic** 1986 Nov;91(3):237–43

Foundation care: a treatment model for nonambulatory profoundly mentally retarded persons. LaMendola WF, et al. **Am J Ment Defic** 1987 Jan;91(4):341–7

Using the componential method to train mentally retarded individuals to solve analogies. McConaghy J, et al. **Am J Ment Defic** 1987 Jul;92(1):12–23

Evaluation of a residential behavioral program for behaviorally disturbed, mentally retarded young adults. Sandford DA, et al. **Am J Ment Defic** 1987 Jan;91(4):431–4

Sensory reinforcement: effects of response-contingent vestibular stimulation on multiply handicapped children. Sandler AG, et al. **Am J Ment Defic** 1987 Jan;91(4):373–8

From institution to foster care: impact on nutritional status. Springer NS. **Am J Ment Defic** 1987 Jan;91(4):321–7

Mentally retarded parents in the community: identification method and needs assessment survey. Whitman BY, et al. **Am J Ment Defic** 1987 May;91(6):636–8

The use of Trivial Pursuit in teaching community living skills to adults with developmental disabilities. Nochajski SB, et al. **Am J Occup Ther** 1987 Jan;41(1):10–5

Hepatitis B infection in a day school for mentally retarded students: transmission from students to staff. Remis RS, et al. **Am J Public Health** 1987 Sep;77(9):1183–6

Vomiting reduction by slower food intake. Azrin NH, et al. **Appl Res Ment Retard** 1986;7(4):409–13

An eco-behavioral analysis of small community-based houses and traditional large hospitals for severely and profoundly mentally handicapped adults. Felce D, et al. **Appl Res Ment Retard** 1986;7(4):393–408

Comparison between nonhandicapped and mentally retarded workers: why they lose their jobs. Martin JE, et al. **Appl Res Ment Retard** 1986;7(4):467–74

The potential of correspondence training for facilitating generalisation of social skills. Ralph A, et al. **Appl Res Ment Retard** 1986;7(4):415–29

Safety indices associated with the use of contingent restraint procedures. Spreat S, et al. **Appl Res Ment Retard** 1986; 7(4):475–81

Group conversational-skills training and social validation with mentally retarded adults. Wildman BG, et al. **Appl Res Ment Retard** 1986;7(4):443–58

The role of speech-language pathologists in the habilitation and rehabilitation of cognitively impaired individuals: a report of the Subcommittee on Language and Cognition. **ASHA** 1987 Jun;29(6):53–5

Reinforcing exercise maintenance. Using existing high-rate activities. Allen LD, et al. **Behav Modif** 1980 Jul; 4(3):337–54

Sterilisation of mentally handicapped woman. Dyer C. **Br Med J [Clin Res]** 1987 Mar 28;294(6575):825

Effects of differential scheduling of timeout to reduce maladaptive responding. Barton LE, et al. **Except Child** 1987 Jan;53(4):351–6

Attributional retraining and the teaching of strategies. Borkowski JG, et al. **Except Child** 1986 Oct;53(2):130–7 (24 ref.)

Movement training: when trainer initiated reinforcement and self-monitoring are not enough. Browder DM, et al. **Int J Rehabil Res** 1986;9(4):363–72

Turnover among new employees with physical and mental disabilities because of unsuccessful socialization in sheltered workshops. Dijkstra A. **Int J Rehabil Res** 1986;9(2):129–37

Team sports for the severely retarded: training a side-of-the-foot soccer pass using a maximum-to-minimum prompt reduction strategy. Luyben PD, et al. **J Appl Behav Anal** 1986 Winter;19(4):431–6

Assessment and treatment of multiple behavior problems exhibited by a profoundly retarded adolescent. Slifer KJ, et al. **J Behav Ther Exp Psychiatry** 1986 Sep;17(3):203–13

Effects of anger management training with mentally retarded adults in group treatment. Benson BA, et al. **J Consult Clin Psychol** 1986 Oct;54(5):728–9

Mental hospitals and community care [letter] **J R Soc Med** 1987 Apr;80(4):257–8

Mental handicap with psychiatric illness [letter] Singh TH. **Lancet** 1986 Oct 18;2(8512):928

Court procedures for placements in community living facilities. Doyle JD. **Ment Retard** 1986 Oct;24(5):311–5

Total habilitation as a major goal of intervention in mental retardation. Drash PW, et al. **Ment Retard** 1987 Apr; 25(2):67–89

Whose ethics, whose code: an analysis of problems in interdisciplinary intervention. Drew CJ, et al. **Ment Retard** 1987 Apr;25(2):113–7

Barriers to the effective implementation of habilitative behavioral programs in an institutional setting. Emerson E, et al. **Ment Retard** 1987 Apr;25(2):101–6

The new Victors: a progressive policy analysis of work reform for people with very severe handicaps. Ferguson DL, et al. **Ment Retard** 1986 Dec;24(6):331–8

A special behavior unit for treatment of behavior problems of persons who are mentally retarded. Fidura JG, et al. **Ment Retard** 1987 Apr;25(2):107–11

Developing spontaneous requesting among children with severe mental retardation. Gobbi L, et al. **Ment Retard** 1986 Dec;24(6):357–63

Differential reasons for job separation of previously employed persons with mental retardation. Hill JW, et al. **Ment Retard** 1986 Dec;24(6):347–51

Allocating direct-care resources for treatment of maladaptive behavior: the Staff Intensity Scale. Silverstein BJ, et al. **Ment Retard** 1987 Apr;25(2):91–100

L'Arche: philosophy and ideology. Sumarah J. **Ment Retard** 1987 Jun;25(3):165–9

Public policy and professional behavior [published erratum appears in Ment Retard 1986 Dec;24(6):384] Turnbull HR 3d. **Ment Retard** 1986 Oct;24(5):265–75

Applying a technology of self-control in community environments for individuals who are mentally retarded. Agran M, et al. **Prog Behav Modif** 1987;21:108–51

Transitional service centers: from school to work for students with developmental disabilities. Schwamm JB.

Rehabil Lit 1986 Sep–Oct;47(9–10):236–9
Facilities for the mentally handicapped in the Western Cape. Some pressing needs. Grover VM, et al. **S Afr Med J** 1987 Jan 24;71(2):85–7
The troubled employee. Mentally retarded and learning disabled employees. Kaminer RK.
State Art Rev Occup Med 1986 Oct–Dec;1(4):609–23
Wisconsin Special Olympics. Bartlett WH, et al.
Wis Med J 1987 May;86(5):16–8
[The mentally handicapped: what educational and (pre)occupational future? Study of the Genevan population of mentally handicapped capable of job placement] Coenen–Huther J, et al. **Ann Med Psychol (Paris)** 1986 Sep–Oct;144(8):807–32 (Eng. Abstr.) **(Fre)**
[Development of community–based services for the mentally handicapped in the USA—on the way toward an integrated life] Schalock RL, et al. **Rehabilitation (Stuttg)** 1987 Feb; 26(1):28–34 (Eng. Abstr.) **(Ger)**
[Complex management of mentally retarded workers] Herrfurth R, et al. **Z Gesamte Hyg** 1986 Jul;32(7):427–8 (Eng. Abstr.) **(Ger)**
[Occupational rehabilitation in the agriculture, forestry and farming industries exemplified by the Potsdam district] Koch H, et al. **Z Gesamte Hyg** 1986 Nov;32(11):634–6 (Eng. Abstr.) **(Ger)**

THERAPY

Out–of–home child placement and family adaptation: a theoretical framework. Cole DA. **Am J Ment Defic** 1986 Nov;91(3):226–36
Physicians' and other professionals' expectations and prognoses for mentally retarded individuals. Wolraich ML, et al. **Am J Ment Defic** 1986 Nov;91(3):244–9
Barriers to the effectiveness of EPSDT for children with moderate and severe developmental disabilities. Margolis LH, et al. **Am J Orthopsychiatry** 1987 Jul;57(3):424–30
Use of restraining belt at night causing accidental death of a severely retarded child [letter] Beasley SW.
Aust NZ J Psychiatry 1986 Dec;20(4):502–3
Reducing self–injurious behavior of severely retarded individuals through withdrawal of reinforcement procedures. Nunes DL, et al. **Behav Modif** 1977 Oct; 1(4):499–516
Issues in the treatment of mentally retarded patients in the community mental health system. Menolascino FJ, et al. **Community Ment Health J** 1986 Winter;22(4):314–27
The balance of care for mentally handicapped adults. Baker N, et al. **Health Bull (Edinb)** 1987 Mar;45(2):95–100
Multiple treatment interference in the alternating treatments design as a function of the intercomponent interval length. McGonigle JJ, et al. **J Appl Behav Anal** 1987 Summer; 20(2):171–8
Ecological assessment of self–protective devices in three profoundly retarded adults. Rojahn J, et al.
J Autism Dev Disord 1980 Mar;10(1):59–66
The elderly mentally handicapped in hospital: a clinical study. Day KA. **J Ment Defic Res** 1987 Jun;31 (Pt 2):131–46
Patterns of use of a mental handicap register in its first 5 years. Nursey AD, et al. **J Ment Defic Res** 1986 Sep;30 (Pt 3):277–90
Continuity and change in medical care for young adults with disabilities. Parker G, et al. **J R Coll Physicians Lond** 1987 Apr;21(2):129–33
Deinstitutionalization progress in the United States. Vitello SJ. **Med Law** 1986;5(4):273–8
Federal assistance for mental retardation and developmental disabilities. II: The modern era. Braddock D.
Ment Retard 1986 Aug;24(4):209–18
Financing community services in the United States: results of a nationwide study. Braddock D, et al. **Ment Retard** 1987 Feb;25(1):21–30
Stress, social support, and health of psychiatric technicians in a state facility. Browner CH, et al. **Ment Retard** 1987 Feb;25(1):31–8
Community–based prepaid medical care for adults with mental retardation: proposal for a pilot project. Cole RF. **Ment Retard** 1987 Aug;25(4):233–5
Community health care services for adults with mental retardation. Basic issues. Crocker AC, et al.
Ment Retard 1987 Aug;25(4):227–32
Denying treatment to infants with handicaps: a comment on Bowen v. American Hospital Association. Ellis JW, et al. **Ment Retard** 1986 Aug;24(4):237–40
Bibliography of principal references on health and medical concerns for adults with mental retardation. Gleason JM, et al. **Ment Retard** 1987 Aug;25(4):239–42
Follow–up of adults with mental retardation transferred from large institutions to new small units. Hemming H.
Ment Retard 1986 Aug;24(4):229–35
Staff injury rates associated with the implementation of contingent restraint. Hill J, et al. **Ment Retard** 1987 Jun; 25(3):141–5
Adults with mental retardation. McCarthy MA.
Ment Retard 1987 Aug;25(4):199–200
Reduction of hand mouthing by a boy with profound mental retardation. McClure JT, et al. **Ment Retard** 1986 Aug; 24(4):219–22
The two cultures revisited. Rowitz L. **Ment Retard** 1987 Apr; 25(2):65–6
Health care needs of adults with mental retardation. Rubin IL. **Ment Retard** 1987 Aug;25(4):201–6
Validation of a job satisfaction instrument for residential–care employees. Sluyter GV, et al. **Ment Retard** 1986 Aug; 24(4):223–7
A program that works. Ziring PR. **Ment Retard** 1987 Aug; 25(4):207–10
Protection and advocacy agencies: national survey of efforts to prevent residential abuse and neglect. Zuckerman M, et al. **Ment Retard** 1986 Aug;24(4):197–201
Walking by a profoundly retarded woman: five–year follow–up. Feldstein JH, et al. **Percept Mot Skills** 1987 Feb;64(1):126
Behavioral research in self–injury and self–stimulation. Rincover A. **Psychiatr Clin North Am** 1986 Dec; 9(4):755–66 (87 ref.)
Psychotherapies with the mentally retarded. Stavrakaki C, et al. **Psychiatr Clin North Am** 1986 Dec;9(4):733–43 (45 ref.)
Locally–based residential services for mentally handicapped adults: a comparative study. Shah A, et al.
Psychol Med 1987 Aug;17(3):763–74
Trends in short term and long term care admissions to a hospital of the mentally handicapped and the influence of socio–economic, familial and clinical factors. Rao JM.
Soc Psychiatry 1987;22(2):118–22

URINE

Hyper–2–oxoglutaric aciduria in long–term mental handicap. Hoffmann G, et al. **J Ment Defic Res** 1986 Sep;30 (Pt 3):251–60

MENTAL RETARDATION, PSYCHOSOCIAL

PREVENTION & CONTROL

The culturally deprived child. Social and educational needs. Boodoosingh L, et al. **Psychiatr Clin North Am** 1986 Dec; 9(4):767–76

MENTAL STATUS SCHEDULE see under **PSYCHIATRIC STATUS RATING SCALES**

MENTAL TESTS see **INTELLIGENCE TESTS**

MENTHOL

ADVERSE EFFECTS

Local necrosis and interstitial nephritis due to topical methyl salicylate and menthol. Heng MC. **Cutis** 1987 May; 39(5):442–4

ANALOGS & DERIVATIVES

Metabolism of 1,8–cineole in rat: its effects on liver and lung microsomal cytochrome P–450 systems. Madyastha KM, et al. **Bull Environ Contam Toxicol** 1986 Nov;37(5):759–66
[Determination of pulegone in the essential oil of Mentha pulegium L. from Chile] Montes M, et al.
Ann Pharm Fr 1986;44(2):133–6 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Effect of menthol on cold receptor activity. Analysis of receptor processes. Schäfer K, et al. **J Gen Physiol** 1986 Dec;88(6):757–76
Effect of menthol on two types of Ca currents in cultured sensory neurons of vertebrates. Swandulla D, et al.
Pflugers Arch 1987 Jun;409(1–2):52–9
Menthol inhibits the perception of warmth. Green BG.
Physiol Behav 1986;38(6):833–8
[Analysis of sensory transducer processes of peripheral cold receptors] Schäfer K, et al. **DTW** 1987 Jan 8;94(1):27–30 (Eng. Abstr.) **(Ger)**
[Comparative study of the effect of trental, menthol and obzidan and their combinations on the function of the cardiorespiratory system in operators under extreme conditions] Makoeva LD, et al. **Farmakol Toksikol** 1986 Sep–Oct;49(5):88–90 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Mobilat ointment in acute dislocation. Study of the effectiveness in a placebo–controlled double–blind study] Ambrus P, et al. **Fortschr Med** 1987 Apr 30;105(13):259–62 (Eng. Abstr.) **(Ger)**

MENU PLANNING see under **FOOD SERVICES**

MEPACRINE see **QUINACRINE**

MEPARTRICIN see under **POLYENES**

MEPERIDINE

A comparative study of transcutaneous electrical nerve stimulation (TENS), entonox, pethidine + promazine and lumbar epidural for pain relief in labor. Harrison RF, et al. **Acta Obstet Gynecol Scand** 1987;66(1):9–14
Nalbuphine for obstetric analgesia. A comparison of nalbuphine with pethidine for pain relief in labour when administered by patient–controlled analgesia (PCA). Frank M, et al. **Anaesthesia** 1987 Jul;42(7):697–703
Pethidine compared with meptazinol during labour. A prospective randomised double–blind study in 1100 patients. Morrison CE, et al. **Anaesthesia** 1987 Jan; 42(1):7–14
A double–blind comparison of intramuscular pethidine and nalbuphine in labour. Wilson CM, et al. **Anaesthesia** 1986 Dec;41(12):1207–13
Meperidine as a spinal anesthetic agent: a comparison with lidocaine–glucose. Sangarlangkarn S, et al. **Anesth Analg** 1987 Mar;66(3):235–40
Saddle block with pethidine for perineal operations. Acalovschi I, et al. **Br J Anaesth** 1986 Sep;58(9):1012–6
Comparison of nalbuphine, pethidine and placebo as premedication for minor gynaecological surgery. Chestnutt WN, et al. **Br J Anaesth** 1987 May;59(5):576–80
Munchausen's syndrome and drug dependence. London M, et al. **Br J Psychiatry** 1986 Nov;149:651–4
Pain relief during labour. Suvonnakote T, et al.
J Med Assoc Thai 1986 Nov;69(11):575–80
[Midazolam and pethidine/promethazine for intramuscular premedication] Tolksdorf W, et al. **Anaesthesist** 1987 Jun; 36(6):275–9 (Eng. Abstr.) **(Ger)**
[Effect of different types of anesthesia on the function of the thyroid gland and adrenal cortex of children] Ostrelkov IF, et al. **Anesteziol Reanimatol** 1986 Nov–Dec;(6):6–8 (Eng. Abstr.) **(Rus)**
[Prolonged epidural analgesia with trimecaine as a component of combined general anesthesia in children] Semenikhin AA, et al. **Anesteziol Reanimatol** 1986 Nov–Dec;(6):13–5 (Eng. Abstr.) **(Rus)**
[Spinal anesthesia with pethidine in young patients] Velázquez Rivera I, et al. **Rev Esp Anestesiol Reanim** 1986 Sep–Oct;33(5):328–31 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Intravenous narcotic therapy for children with severe sickle cell pain crisis. Cole TB, et al. **Am J Dis Child** 1986 Dec; 140(12):1255–9
Pain relief after major abdominal surgery: a double–blind controlled comparison of sublingual buprenorphine, intramuscular buprenorphine, and intramuscular meperidine. Carl P, et al. **Anesth Analg** 1987 Feb; 66(2):142–6
Comparison of continuous epidural infusion of a local anesthetic and administration of systemic narcotics in the management of pain after total knee replacemcnt surgery. Raj PP, et al. **Anesth Analg** 1987 May;66(5):401–6
Comparison of infusions of alfentanil or pethidine for sedation of ventilated patients on the ITU. Yate PM, et al.
Br J Anaesth 1986 Oct;58(10):1091–9
A double–blind comparison of nalbuphine and meperidine hydrochloride as intravenous analgesics in combination with diazepam for oral surgery outpatients. Scott RF.
J Oral Maxillofac Surg 1987 Jun;45(6):473–6
Oral morphine versus injected meperidine (Demerol) for pain relief in children after orthopedic surgery. O'Hara M, et al. **J Pediatr Orthop** 1987 Jan–Feb;7(1):78–82
Epidural pethidine for post–operative pain relief after upper abdominal surgery. Golam KK, et al. **J Postgrad Med** 1986 Jul;32(3):122–6
High–dose meperidine in anesthesia. Kang L, et al.
Ma Tsui Hsueh Tsa Chi 1986 Mar;24(1):56–60
Combination analgesic–antispasmodic therapy in postoperative pain. Blumenkopf B. **Spine** 1987 May; 12(4):384–7
[Multiple dose epidural meperidine for postoperative pain relief after upper abdominal surgery] Ho WM, et al.
Ma Tsui Hsueh Tsa Chi 1986 Jun;24(2):116–24 (Eng. Abstr.) **(Chi)**
[Oral versus intramuscular premedication with atropine–diazepam–pethidine in ambulatory anesthesia in childhood] Hoch HH. **Anaesthesiol Reanim** 1986; 11(4):191–9 (Eng. Abstr.) **(Ger)**
[Intradural pethidine (letter)] Aranda Calleja F, et al.
Rev Esp Anestesiol Reanim 1986 Jul–Aug;33(4):277 **(Spa)**
[Analgesia with epidural morphine and intramuscular meperidine in the postoperative period of thoracic surgery] Criado A, et al. **Rev Esp Anestesiol Reanim** 1986 Jul–Aug; 33(4):242–6 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Meperidine–induced delirium. Eisendrath SJ, et al.
Am J Psychiatry 1987 Aug;144(8):1062–5
Shivering related to epidural blockade with bupivacaine in labour, and the influence of epidural pethidine. Brownridge P. **Anaesth Intensive Care** 1986 Nov;14(4):412–7
Herpes simplex after spinal pethidine [letter] Acalovschi I. **Anaesthesia** 1986 Dec;41(12):1271–2
Respiratory depression after intrathecal opioids. Report of a patient receiving long–term epidural opioid therapy. Krantz T, et al. **Anaesthesia** 1987 Feb;42(2):168–70
Meperidine usage in patients with sickle cell crisis [letter] **Ann Emerg Med** 1986 Dec;15(12):1506–8
The use of clonidine for the treatment of meperidine withdrawal in a multidisciplinary pain program setting. A case presentation. Jimenez AC, et al.
Bull Hosp Jt Dis Orthop Inst 1987 Spring;47(1):72–7
Meperidine–induced seizure in a patient without renal dysfunction or sickle cell anemia. Mauro VF, et al.
Clin Pharm 1986 Oct;5(10):837–9

Psychiatric presentation of meperidine toxicity [letter] Fogarty T, et al. **J Clin Psychopharmacol** 1987 Apr; 7(2):116–7
Avoidable drug interaction, not meningitis [letter] Knisely AS. **Lancet** 1987 Sep 12;2(8559):639
Continuous intravenous infusion of sodium thiopental for managing drug withdrawal syndromes. Cilip M, et al. **Resuscitation** 1986 Jul;13(4):243–8
[Fatal drug interactions (letter)] Peeters-Asdourian C. **Rev Med Brux** 1986 Nov;7(9):570 **(Fre)**

ANALOGS & DERIVATIVES

Premedication for day-case surgery: double-blind comparison of ketobemidone + dimethylaminodiphenylbuten (A-29) and morphine + scopolamine. Raeder JC, et al. **Acta Anaesthesiol Scand** 1986 Oct;30(7):502–6
Racemic and optically active trans 2,6-dimethyl analogues of the reversed ester of pethidine. Branch SK, et al. **J Pharm Pharmacol** 1986 Aug;38(8):611–2
[Changes in the pharmacodynamic properties of promedol, droperidol and dimedrol in burn shock and combined radiation-thermal injury] Il'iuchenok TIu, et al. **Farmakol Toksikol** 1987 Jan-Feb;50(1):71–4 (Eng. Abstr.) **(Rus)**
[Patient-controlled administration of analgesics—an alternative in intensive care] Islander G. **Lakartidningen** 1986 Oct 15;83(42):3528 **(Swe)**

BLOOD

Meperidine disposition in burn patients. Bloedow DC, et al. **Res Commun Chem Pathol Pharmacol** 1986 Oct;54(1):87–99
[Pharmacokinetics of pethidine after spinal anesthesia. Clinical implications] Tauzin-Fin P, et al. **Ann Fr Anesth Reanim** 1987;6(1):33–7 (Eng. Abstr.) **(Fre)**

METABOLISM

Analysis of pethidine disposition in the pregnant rat by means of a physiological flow model. Gabrielsson JL, et al. **J Pharmacokinet Biopharm** 1986 Aug;14(4):381–95
The pharmacokinetics of meperidine in acute trauma patients. Kirkwood CF, et al. **J Trauma** 1986 Dec;26(12):1090–3
Influence of urinary pH on pethidine kinetics in healthy volunteer subjects. 2. A study of ten Chinese subjects. Chan K, et al. **Methods Find Exp Clin Pharmacol** 1987 Jan; 9(1):49–54
Disposition of pethidine in man under acidic urinary pH. 3. A comparison of pharmacokinetics among Caucasian, Chinese and Indian subjects. Chan K, et al. **Methods Find Exp Clin Pharmacol** 1987 Apr;9(4):243–50

PHARMACODYNAMICS

Changes in breathing pattern and chest wall mechanics after benzodiazepines in combination with meperidine. Berggren L, et al. **Acta Anaesthesiol Scand** 1987 Jul;31(5):381–6
The analgesic effect of buprenorphine, etorphine and pethidine in the pig: a randomized double blind cross-over study. Hermansen K, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Jul;59(1):27–35
Antimicrobial activity of bupivacaine and pethidine. Grimmond TR, et al. **Anaesth Intensive Care** 1986 Nov; 14(4):418–20
Histamine release by four narcotics: a double-blind study in humans. Flacke JW, et al. **Anesth Analg** 1987 Aug; 66(8):723–30
Effect of meperidine on oxygen consumption, carbon dioxide production, and respiratory gas exchange in postanesthesia shivering. Macintyre PE, et al. **Anesth Analg** 1987 Aug; 66(8):751–5
Epidural and subcutaneous morphine, meperidine (pethidine), fentanyl and sufentanil in the rat: analgesia and other in vivo pharmacologic effects. van den Hoogen RH, et al. **Anesthesiology** 1987 Feb;66(2):186–94
A comparison of the effects of maternally administered meptazinol and pethidine on neonatal acid–base status. de Boer FC, et al. **Br J Obstet Gynaecol** 1987 Ma.; 94(3):256–61
Stimulant action of pethidine on the pregnant rat uterus in-vitro. Fazackerley J, et al. **J Pharm Pharmacol** 1987 Jun;39(6):491–2
[Intrathecal meperidine: possible mechanisms of action (letter)] Miralles FS, et al. **Rev Esp Anestesiol Reanim** 1987 May-Jun;34(3):225–6 **(Spa)**

THERAPEUTIC USE

Epidural meperidine analgesia after cardiac surgery. Robinson RJ, et al. **Can Anaesth Soc J** 1986 Sep;33(5):550–5
Premedication with meperidine and diazepam for upper gastrointestinal endoscopy precludes the need for topical anesthesia. Cantor DS, et al. **Gastrointest Endosc** 1986 Oct; 32(5):339–41
Buprenorphine and pethidine in the treatment of post-operative pain. Khandeparkar JM, et al. **J Postgrad Med** 1987 Jan;33(1):18–23
A double-blind study comparing single dose of intramuscularly injected zomepirac to meperidine in the treatment of postoperative pain. Baird WM, et al. **Pharmacotherapy** 1986 Sep-Oct;6(5):219–27
Comparison of butorphanol tartrate and meperidine in moderate to severe renal colic. Henry H 2d, et al. **Urology** 1987 Mar;29(3):339–45

TOXICITY

Teratogenicity for rat pups of meperidine administered postnatally, via breast milk. Brackbill Y. **Neurotoxicology** 1986 Summer;7(2):349–64

MEPHENESIN

PHARMACODYNAMICS

Rigidity in rats due to radio frequency decerebration and effects of chlorpromazine and mephenesin. Ono H, et al. **Gen Pharmacol** 1987;18(1):57–9
[Antagonist effects of phenprobamate and mephenesin carbamate on deltamethrin poisoning] Cotonat J, et al. **J Toxicol Clin Exp** 1987 Jan-Feb;7(1):5–19 (Eng. Abstr.) **(Fre)**

MEPHENTERMINE

ADVERSE EFFECTS

Accelerated hypertension after ingestion of mephentermine sulphate. Dupont AG. **Acta Clin Belg** 1986;41(3):207–9

MEPHENYTOIN see under **HYDANTOINS**

MEPHOBARBITAL

METABOLISM

Identification and synthesis of O-methylcatechol metabolites of phenobarbital and some N-alkyl derivatives. Treston AM, et al. **J Pharm Sci** 1987 Jun;76(6):496–501

THERAPEUTIC USE

A randomized, double-blind, crossover study of phenobarbital and mephobarbital. Young RS, et al. **J Child Neurol** 1986 Oct;1(4):361–3

MEPIVACAINE

Epidural block for hemicolectomy in a patient with bilateral diaphragmatic paralysis. Millar RA, et al. **Cleve Clin J Med** 1987 Jan-Feb;54(1):39–41
Total facial nerve palsy following modified O'Brien facial nerve block. Spaeth GL. **Ophthalmic Surg** 1987 Jul; 18(7):518–9
[Comparative study of 1% prilocaine and 1% mepivacaine in axillary plexus anesthesia] Büttner J, et al. **Reg Anaesth** 1987 Apr;10(2):70–5 (Eng. Abstr.) **(Ger)**
[Side effects following intravenous regional anesthesia (IVRA) on the central nervous system and heart rate] Gürtner T, et al. **Reg Anaesth** 1986 Oct;9(4):116–9 (Eng. Abstr.) **(Ger)**
[Clinical and toxicologic study of axillary plexus block with prilocaine or mepivacaine] Tryba M, et al. **Reg Anaesth** 1987 Jan;10(1):31–6 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Addition of local anesthetics to contrast media. I. Effects on patient discomfort and hemodynamics in aortofemoral angiography. Nilsson P, et al. **Acta Radiol** 1987 Mar-Apr; 28(2):209–14

ADVERSE EFFECTS

Accelerated hypertension complicated by myocardial infarction after use of a local anesthetic/vasoconstrictor preparation. Pearson AC, et al. **Am Heart J** 1987 Sep; 114(3):662–3

BLOOD

Blood levels of mepivacaine during continuous epidural anesthesia. Takasaki M, et al. **Anesth Analg** 1987 Apr; 66(4):337–40

PHARMACODYNAMICS

Electronic fetal monitoring [letter] Clark RB. **Am J Obstet Gynecol** 1986 Dec;155(6):1363–4

MEPROBAMATE

ADVERSE EFFECTS

Reversible agranulocytosis due to meprobamate. Ward S, et al. **Postgrad Med J** 1986 Jun;62(728):499–500

PHARMACODYNAMICS

Influence of meprobamate and phenobarbital upon local cerebral glucose utilization: parallelism with effects of the anxiolytic diazepam. Ableitner A, et al. **Brain Res** 1987 Feb 10;403(1):82–8

POISONING

Meprobamate & bezoar formation [letter] **Ann Emerg Med** 1987 Apr;16(4):472–3

THERAPEUTIC USE

Calcium-channel-blocking agent in the treatment of acute alcohol withdrawal—caroverine versus meprobamate in a randomized double-blind study. Koppi S, et al. **Neuropsychobiology** 1987;17(1–2):49–52

MEPTAZINOL see under **AZEPINES**

MERACTINOMYCIN see **DACTINOMYCIN**

MERBROMINE see under **FLUORESCEINS**

MERCAPTAMINE see **CYSTEAMINE**

MERCAPTO COMPOUNDS see **SULFHYDRYL COMPOUNDS**

2-MERCAPTOETHANESULFONATE see under **MERCAPTOETHANOL**

MERCAPTOETHANOL

Reaction of the model thiol 2-mercaptoethanol and glutathione with methylvinylmaleimide, a Michael acceptor with extended conjugation. Schaefer WH, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):186–93

ANALOGS & DERIVATIVES

Cyclophosphamide-induced water intoxication: treatment with fluid restriction and 2-mercaptoethane sulfonate [letter] Haas A, et al. **Am J Dis Child** 1986 Nov; 140(11):1094–5
In vitro methane and methyl coenzyme M formation from acetate: evidence that acetyl-CoA is the required intermediate activated form of acetate. Grahame DA, et al. **Biochem Biophys Res Commun** 1987 Aug 31; 147(1):254–8
The role of 7-mercaptoheptanoylthreonine phosphate in the methylcoenzyme M methylreductase system from Methanobacterium thermoautotrophicum. Noll KM, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):204–10
Component C of the methylcoenzyme M methylreductase system contains bound 7-mercaptoheptanoylthreonine phosphate (HS-HTP). Noll KM, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):889–95
Pharmacokinetics of intravenous and oral sodium 2-mercaptoethane sulphonate (mesna) in normal subjects. James CA, et al. **Br J Clin Pharmacol** 1987 May;23(5):561–8
Recent experience with ifosfamide/mesna in solid tumors. International satellite symposium to the 3rd European Conference on Clinical Oncology. Stockholm, June 1985. Proceedings. **Cancer Chemother Pharmacol** 1986;18 Suppl 2:S1–58
Experience with 24-h infusions of ifosfamide/mesna in small cell lung cancer. Cantwell BM, et al. **Cancer Chemother Pharmacol** 1986;18 Suppl 2:S29
Treatment of advanced soft tissue and osteogenic sarcomas with continuous infusion of ifosfamide and mesna. Klein HO, et al. **Cancer Chemother Pharmacol** 1986;18 Suppl 2:S19
Delayed development of bladder cancer in male SD rats induced with N-nitroso-N-butyl-N-(4-hydroxybutyl)amine following concomitant administration of sodium 2-mercaptoethane sulfonate. Berger MR, et al. **Cancer Lett** 1986 Sep; 32(3):313–21
Combinations of mesna with cyclophosphamide or adriamycin in the treatment of mice with tumors. Bernacki RJ, et al. **Cancer Res** 1987 Feb 1;47(3):799–802
Ifosfamide-induced subclinical tubular nephrotoxicity despite mesna. Goren MP, et al. **Cancer Treat Rep** 1987 Feb; 71(2):127–30
False-positive results for ketone with the drug mesna and other free-sulfhydryl compounds. Csako G. **Clin Chem** 1987 Feb;33(2 Pt 1):289–92
False positive reaction for urinary ketones with mesna [letter] Ben Yehuda A, et al. **Drug Intell Clin Pharm** 1987 Jun; 21(6):547–8
Prediction of ifosfamide/mesna associated encephalopathy. Meanwell CA, et al. **Eur J Cancer Clin Oncol** 1986 Jul; 22(7):815–9
N-acetylcysteine and 2-mercaptoethane sulphonate inhibit anti-pseudomonas activity of antibiotics in vitro. Alfredsson H, et al. **Eur J Respir Dis** 1987 Apr;70(4):213–7
7-Mercaptoheptanoylthreonine phosphate functions as component B in ATP-independent methane formation from methyl-CoM with reduced cobalamin as electron donor. Ankel-Fuchs D, et al. **FEBS Lett** 1987 Mar 9; 213(1):123–7
On the role of N-7-mercaptoheptanoyl-O-phospho-L-threonine (component B) in the enzymatic reduction of methyl-coenzyme M to methane. Ellermann J, et al. **FEBS Lett** 1987 Aug 17;220(2):358–62
Prevention of urotoxic side effects by regional detoxification with increased selectivity of oxazaphosphorine cytostatics. Brock N, et al. **IARC Sci Publ** 1986;(78):269–79
Characterization of bromoethanesulfonate-resistant mutants of Methanococcus voltae: evidence of a coenzyme M transport system. Santoro N, et al. **J Bacteriol** 1987 Feb; 169(2):660–5

Incorporation of coenzyme M into component C of methylcoenzyme M methylreductase during in vitro methanogenesis. Hartzell PL, et al. **J Biol Chem** 1987 Apr 25;262(12):5581–6

Influence of mesna and cysteine on the systemic toxicity and therapeutic efficacy of activated cyclophosphamide. Wagner T, et al. **J Cancer Res Clin Oncol** 1987;113(2):160–5

Estimation of mesna and dimesna in plasma and urine by high-performance liquid chromatography with electrochemical detection. James CA, et al. **J Chromatogr** 1986 Oct 31;382:394–8

The efficacy of mesna (2-mercaptoethane sodium sulfonate) as a uroprotectant in patients with hemorrhagic cystitis receiving further oxazaphosphorine chemotherapy. Andriole GL, et al. **J Clin Oncol** 1987 May;5(5):799–803

Irreversible encephalopathy with ifosfamide/mesna [letter] Salloum E, et al. **J Clin Oncol** 1987 Aug;5(8):1303–4

Ifosfamide/mesna nomogram and serum albumin [letter] Constantine G, et al. **Lancet** 1986 Nov 8;2(8515):1102

Ifosfamide/mesna nomogram and serum albumin [letter] Hill PG, et al. **Lancet** 1986 Oct 25;2(8513):986

Ifosfamide/mesna encephalopathy [letter] McCallum AK. **Lancet** 1987 Apr 25;1(8539):987

Encephalopathy with rapid infusion ifosfamide/mesna [letter] Perren TJ, et al. **Lancet** 1987 Feb 14;1(8529):390–1

Mesna and total body irradiation [letter] Plowman PN, et al. **Lancet** 1987 Jan 17;1(8525):167

Mesna and total body irradiation [letter] Shaw IC, et al. **Lancet** 1987 Feb 28;1(8531):516

In vitro effect of a mucolytic thiol agent on the activity of polymorphonuclear leucocyte elastase and antileucoprotease. Stolk J, et al. **Thorax** 1986 Nov; 41(11):840–5

Electron microscopic investigations of the cyclophosphamide-induced lesions of the urinary bladder of the rat and their prevention by mesna. Themann H, et al. **Urol Int** 1987;42(1):37–43

[Delayed allergy following mesna (letter)] Frosch PJ, et al. **Dtsch Med Wochenschr** 1986 Dec 5;111(49):1901–2 **(Ger)**

[Effect of mucolytic agents on various antibiotics] Pilz U, et al. **Kinderarztl Prax** 1987 May;55(5):247–51 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

[Diagnostic value of the agglutination test using 2-mercaptoethanol in detecting brucellosis in humans] Stroczyńsk-Sikorska M, et al. **Wiad Lek** 1986 Nov 1; 39(21):1471–8 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Mercaptoethanol assists in cleaving a cysteine/cystine-free protein into its subunits. Einhoff W, et al. **Biol Chem Hoppe Seyler** 1987 Apr;368(4):405–7

2-Mercaptoethanol acts at the restricted stage of interleukin-2 dependent lymphocyte proliferation. Sugama K, et al. **J Cell Physiol** 1987 Apr;131(1):23–8

Activation of murine lymphocytes by 2-mercapto-ethanol and related thiol compounds and its mechanism. II. Effect of thiol compounds on the viability of the lymphocytes under a cystine-deficient culture condition. Ohmori H, et al. **J Pharmacobiodyn** 1986 Jul;9(7):607–12

[Role of 2-mercaptoethanol in the stimulation of lymphocyte growth] Ishii T. **Seikagaku** 1986 Jun;58(6):394–8 (28 ref.) **(Jpn)**

[Distribution of chromosomes and centrioles in three-polar metaphases induced by 2-mercaptoethanol in cultured Chinese hamster cells] Khodiakov AL, et al. **Dokl Akad Nauk SSSR** 1986 Sep-Oct;290(1):225–7 **(Rus)**

MERCAPTOETHYLAMINES

BLOOD

A method for the combined measurement of ethiofos and WR-1065 in plasma: application to pharmacokinetic experiments with ethiofos and its metabolites. Swynnerton NF, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug; 12(8):1495–9

Measurement of WR-1065 in plasma: preliminary pharmacokinetics in the beagle. Swynnerton NF, et al. **Res Commun Chem Pathol Pharmacol** 1986 Nov; 54(2):255–69

PHARMACODYNAMICS

The effect of 2-[(aminopropyl)amino] ethanethiol (WR1065) on radiation-induced DNA damage and repair and cell progression in V79 cells. Grdina DJ, et al. **Br J Cancer** 1986 Dec;54(6):933–41

The effect of 2-[(aminopropyl)amino] ethanethiol (WR-1065) on radiation induced DNA double strand damage and repair in V79 cells. Sigdestad CP, et al. **Br J Cancer** 1987 May;55(5):477–82

Protective effects of 2-[(aminopropyl)amino] ethanethiol against bleomycin and nitrogen mustard-induced mutagenicity in V79 cells. Nagy B, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1475–8

MERCAPTOPHOS see **FENTHION**

3-MERCAPTOPROPIONIC ACID see under **SULFHYDRYL COMPOUNDS**

MERCAPTOPROPIONYLGLYCINE see under **AMINO ACIDS, SULFUR**

6-MERCAPTOPURINE

ADMINISTRATION & DOSAGE

Synergy of methotrexate and 6-mercaptopurine on cell growth and clonogenicity of cultured human T-lymphoblasts. De Abreu RA, et al. **Adv Exp Med Biol** 1986;195 Pt B:129–34

ADVERSE EFFECTS

Toxic erythema of palms and soles associated with high-dose mercaptopurine chemotherapy. Cox GJ, et al. **Arch Dermatol** 1986 Dec;122(12):1413–4

6-Mercaptopurine-related leucopenia and in vivo xanthine oxidase activity [letter] Goadsby PJ, et al. **Lancet** 1986 Oct 11;2(8511):869–70

BLOOD

Large interindividual variations in the pharmacokinetics of oral 6-mercaptopurine in maintenance therapy of children with acute leukaemia and non-Hodgkin lymphoma. Lafolie P, et al. **Acta Paediatr Scand** 1986 Sep;75(5):797–803

METABOLISM

Increased availability of phosphoribosyl pyrophosphate as the basis for enhanced 6-mercaptopurine incorporation by methotrexate, in cultured human lymphoblasts. Bökkerink JP, et al. **Adv Exp Med Biol** 1986;195 Pt B:135–9

The effect of food on the oral administration of 6-mercaptopurine. Burton NK, et al. **Cancer Chemother Pharmacol** 1986;18(1):90–1

Intestinal absorption characteristics of 5-fluorouracil, ftorafur and 6-mercaptopurine in rats. Sasaki H, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4265–72

The effect of methotrexate on the bioavailability of oral 6-mercaptopurine. Balis FM, et al. **Clin Pharmacol Ther** 1987 Apr;41(4):384–7

Pharmacokinetic determinants of 6-mercaptopurine myelotoxicity and therapeutic failure in children with acute lymphoblastic leukemia. Sulh H, et al. **Clin Pharmacol Ther** 1986 Dec;40(6):604–9

Pharmacokinetic case for giving 6-mercaptopurine maintenance doses at night [letter] Langevin AM, et al. **Lancet** 1987 Aug 29;2(8557):505–6

[Pharmacokinetic and clinical studies on the oral administration of 6-MP to children with ALL] Abe Y, et al. **Rinsho Ketsueki** 1986 Jun;27(6):852–9 (Eng. Abstr.) **(Jpn)**

[Strategy of chemotherapy of a patient with acute leukemia based on the mechanism of action of drugs] Uchida M, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1445–53 (Eng. Abstr.) **(Jpn)**

[In vitro combination of mercaptopurine and human serum albumin] Frutos G, et al. **Rev Esp Oncol** 1985;32(2):255–63 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Modulation of thiopurine cytotoxicity in the HL-60 cell line by physiological concentrations of hypoxanthine. Zimm S, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6286–9

Human lymphocyte thiopurine methyltransferase pharmacogenetics: effect of phenotype on 6-mercaptopurine-induced inhibition of mitogen stimulation. Van Loon JA, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):21–6

The action of the tumour promoter, TPA, on mutagenesis induced by different agents (UV light, chemical and viral mutagens). Manuilova ES, et al. **Mutat Res** 1987 Aug; 179(2):231–6

Study of the base analog 6-mercaptopurine in the mouse specific-locus test. Russell LB, et al. **Mutat Res** 1987 Jan; 176(1):47–52

THERAPEUTIC USE

Sequence-, time- and dose-dependent synergism of methotrexate and 6-mercaptopurine in malignant human T-lymphoblasts [published erratum appears in Biochem Pharmacol 1987 Mar 1;36(1):781] Bökkerink JP, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3549–55

Comparison of methotrexate with azathioprine or 6-mercaptopurine in refractory rheumatoid arthritis: a life-table analysis. Sambrook PN, et al. **Br J Rheumatol** 1986 Nov;25(4):372–5

Historical background of 6-mercaptopurine. Elion GB. **Toxicol Ind Health** 1986 Sep;2(2):1–9

[Use of cytostatic preparations to eliminate hormone-dependence in bronchial asthma patients] Romanova EV, et al. **Ter Arkh** 1987;59(3):56–7 **(Rus)**

TOXICITY

Pharmacogenetics of methyl conjugation and thiopurine drug toxicity. Weinshilboum R. **Bioessays** 1987 Aug;7(2):78–82

6-Mercaptopurine-induced alterations in mineral metabolism and teratogenesis in the rat. Amemiya K, et al. **Teratology** 1986 Dec;34(3):321–34

Skeletal muscle toxicity of 6-mercaptopurine. Proceedings of a symposium. Philadelphia, Pennsylvania. **Toxicol Ind Health** 1986 Sep;2(2):1–121

Ultrastructural changes in skeletal muscles of rats treated neonatally with 6-mercaptopurine. Abraham AA, et al. **Toxicol Ind Health** 1986 Sep;2(2):41–50

Toxicological studies with 6-mercaptopurine in neonates. Alleva FR, et al. **Toxicol Ind Health** 1986 Sep;2(2):11–23

Increased calcium load in atrophied and non-atrophied skeletal muscles from 6-mercaptopurine-treated rats. Bianchi CP, et al. **Toxicol Ind Health** 1986 Sep;2(2):99–104

Macromolecular levels, DNA synthesis and ornithine decarboxylase activity in leg muscles from 6-mercaptopurine-treated rats. Friedman L, et al. **Toxicol Ind Health** 1986 Sep;2(2):57–68

Muscle atrophy and histopathology of the soleus in 6-mercaptopurine-treated rats. Jaweed MM, et al. **Toxicol Ind Health** 1986 Sep;2(2):31–40

Methylhistidine changes in tibialis anterior muscles of 6-mercaptopurine-treated rats. Jaweed MM, et al. **Toxicol Ind Health** 1986 Sep;2(2):69–77

6-Mercaptopurine-induced muscular lesions in rats: gross and light microscopic pathology. Slaughter LJ, et al. **Toxicol Ind Health** 1986 Sep;2(2):25–9

6-Mercaptopurine treatment affects the membrane potentials of rat skeletal muscle fibers. Sperelakis N, et al. **Toxicol Ind Health** 1986 Sep;2(2):81–97

Effects of 6-mercaptopurine on developing muscle cells in vitro. Yander G, et al. **Toxicol Ind Health** 1986 Sep; 2(2):51–6

[Toxicological evaluation of an in vitro culture of mouse embryos; effect of non-carcinogenic mutagens for the development of embryos] Kamata K, et al. **Nippon Yakurigaku Zasshi** 1986 Aug;88(2):167–72 (Eng. Abstr.) **(Jpn)**

MERCAPTOVALINE see **PENICILLAMINE**

MERCAPTURIC ACID see **ACETYLCYSTEINE**

MERCURIBENZOATES

PHARMACODYNAMICS

Evidence for changes in the conformational status of rat liver microsomal glucose-6-phosphate:phosphohydrolase during detergent-dependent membrane modification. Effect of p-mercuribenzoate and organomercurial agarose gel on glucose-6-phosphatase of native and detergent-modified microsomes. Schulze HU, et al. **J Biol Chem** 1986 Dec 15;261(35):16571–8

MERCURIC CHLORIDE

Effect of methylprednisolone and cyclophosphamide in mercury-induced autoimmune glomerulonephritis. Pelletier L, et al. **Nephrol Dial Transplant** 1987;2(1):2–9

Mercury-induced autoimmune glomerulonephritis: requirement for T-cells. Pelletier L, et al. **Nephrol Dial Transplant** 1987;1(4):211–8

ADMINISTRATION & DOSAGE

Oral and intramuscular toxicity of inorganic and organic mercury chloride to growing quail. Hill EF, et al. **J Toxicol Environ Health** 1987;20(1–2):105–16

Autoimmune disease induced by oral administration of mercuric chloride in Brown-Norway rats. Knoflach P, et al. **Toxicol Pathol** 1986;14(2):188–93

IMMUNOLOGY

The induction of immune complex deposits in mice by peroral and parenteral administration of mercuric chloride: strain dependent susceptibility. Hultman P, et al. **Clin Exp Immunol** 1987 Feb;67(2):283–92

METABOLISM

[Hygienic evaluation of the distribution and accumulation of mercury in animals after chronic intake from various media] Ermachenko AB. **Gig Sanit** 1987 Jun;(6):72–3 **(Rus)**

PHARMACODYNAMICS

The use of inhibitors to identify early events during Bacillus megaterium KM spore germination. Foster SJ, et al. **Biochem J** 1986 Aug 1;237(3):865–70

The effect of mercuric salts on the electro-rotation of yeast cells and comparison with a theoretical model. Geier BM, et al. **Biochim Biophys Acta** 1987 Jun 12;900(1):45–55

HgCl2 induces nonspecific immunosuppression in Lewis rats. Pelletier L, et al. **Eur J Immunol** 1987 Jan;17(1):49–54

Neonatal IgE injections do not modify Nippostrongylus brasiliensis-induced and mercuric chloride-induced IgE increase in the rat. Manouvriez P, et al. **Int Arch Allergy Appl Immunol** 1987;82(2):218–20

Stimulating effect of unfractionated heparin and a low molecular weight heparin fragment on the DNA synthesis response of human thymocytes to mercuric chloride. Nordlind K. **Int Arch Allergy Appl Immunol** 1986; 81(2):126–8

Mercuric chloride-, gold sodium thiomalate-, and D-penicillamine-induced antinuclear antibodies in mice.

Robinson CJ, et al. **Toxicol Appl Pharmacol** 1986 Nov; 86(2):159–69

POISONING

Filtration pressure and glomerular permeability in HgCl2–acute renal failure in the dog. Vanholder R, et al. **Adv Exp Med Biol** 1987;212:63–8

Acute renal failure after peritoneal lavage with mercuric chloride. Lai KN, et al. **Med J Aust** 1983 Jan 8;1(1):37–8

THERAPEUTIC USE

The use of Zenker's solution in linear craniectomy for craniosynostosis: technical modification and reappraisal. Brandt L, et al. **Acta Neurochir (Wien)** 1986;83(1–2):67–70

TOXICITY

Aggravated toxicities of cadmium chloride and mercury (II) chloride in zinc deficient rats. Nomiyama K, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:75–8

The role of cell calcium overload in nephrotoxic renal tubular cell injury. Weinberg JM. **Am J Kidney Dis** 1986 Nov; 8(5):284–91

Studies on the inhibition of brain synaptosomal Na+/K+–ATPase by mercury chloride and methyl mercury chloride. Magour S. **Arch Toxicol [Suppl]** 1986; 9:393–6

Histomorphometric and biochemical changes in the testicular tissues of rats treated with mercuric chloride. Chowdhury AR, et al. **Biomed Biochim Acta** 1986;45(7):949–56

Studies on the formation of glomerular immune deposits in brown Norway rats injected with mercuric chloride. Fukatsu A, et al. **Clin Immunol Immunopathol** 1987 Oct; 45(1):35–47

Histochemical demonstration of two mercury pools in trout tissues: mercury in kidney and liver after mercuric chloride exposure. Baatrup E, et al. **Ecotoxicol Environ Safety** 1986 Dec;12(3):267–82

Development of a primary culture system of rat kidney cortical cells to evaluate the nephrotoxicity of xenobiotics. Smith MA, et al. **Food Chem Toxicol** 1986 Jun–Jul; 24(6–7):551–6

Effects of mercuric chloride antioxidant defense components of rat erythrocyte and plasma: influence of vitamin E supplementation. Addya S, et al. **Indian J Exp Biol** 1986 Jul;24(7):468–70

Enzyme changes in the brain, liver and kidney following repeated administration of mercuric chloride. Mehra M, et al. **J Environ Pathol Toxicol Oncol** 1986 Sep–Dec; 7(1–2):65–71

Autoreactive T cells in mercury-induced autoimmune disease: in vitro demonstration. Pelletier L, et al. **J Immunol** 1986 Oct 15;137(8):2548–54

Pharmacologic probing of mercuric chloride–induced renal dysfunction in the neonatal rat. Gray JA, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):212–6

The effect of mercury chloride and methyl mercury on brain microsomal Na+–K+–ATPase after partial delipidisation with Lubrol. Magour S, et al. **Pharmacol Toxicol** 1987 Mar; 60(3):184–6

Enhancement of radiation effects by mercury in early postimplantation mouse embryos in vitro. Müller WU, et al. **Radiat Environ Biophys** 1986;25(3):213–7

Differential patterns of injury to the proximal tubule of renal cortical slices following in vitro exposure to mercuric chloride, potassium dichromate, or hypoxic conditions. Ruegg CE, et al. **Toxicol Appl Pharmacol** 1987 Sep 15; 90(2):261–73

Comparative investigations on the effects of acute intraperitoneal cadmium, chromium, and mercury exposure on the kidney. Bomhard E, et al. **Uremia Invest** 1985–86; 9(2):131–6

[Animal experiments to determine the toxicity of mercury(II)-chloride in hemostasis] Klöcking HP, et al. **Folia Haematol (Leipz)** 1987;114(1):134–44 (Eng. Abstr.) **(Ger)**

MERCURY

National Health and Medical Research Council. Recommendations in dental mercury hygiene (as adopted at 101st session, June 1986). **Aust Dent J** 1987 Apr; 32(2):136–7

Influence of alloy composition on the hardening of silver–tin dental amalgam. Abbott JR, et al. **J Biomed Mater Res** 1986 Nov–Dec;20(9):1391–400

Metallic mercury pulmonary emboli. Spizarny DL, et al. **J Can Assoc Radiol** 1987 Mar;38(1):60–1

An X-ray diffractometric investigation of the Sn–Hg binary system within the 0–40% Hg interval. Söderholm KJ. **J Dent Res** 1987 Mar;66(3):712–5

Mercury, silver, and gold inhibition of selenium–accelerated cysteine oxidation. Dillard CJ, et al. **J Inorg Biochem** 1986 Sep;28(1):13–20

Solid solubility of tin in silver–mercury gamma 1 in dental amalgams. Sarkar NK, et al. **J Oral Rehabil** 1986 Nov; 13(6):559–66

Metalloregulatory DNA-binding protein encoded by the merR gene: isolation and characterization. O'Halloran T, et al. **Science** 1987 Jan 9;235(4785):211–4

[Mercury loading from amalgam fillings] Brune D. **Tidsskr Nor Laegeforen** 1987 Feb 20;107(5):444–6, 456 (Eng. Abstr.) **(Nor)**

ADVERSE EFFECTS

Cleanup of mercury contamination of thermometer workers' homes. Zirschky J, et al. **Am Ind Hyg Assoc J** 1987 Jan; 48(1):81–4

Mercury as a health hazard. Curtis HA, et al. **Arch Dis Child** 1987 Mar;62(3):293–5

The mercury scare. If a dentist wants to remove your fillings because they contain mercury, watch your wallet. **Can Dent Assoc J** 1986 Nov;52(11):905–7

"The mercury scare" [letter]Faguy B. **Can Dent Assoc J** 1987 Apr;53(4):256–7

Chronic low–level mercury exposure and neuropsychological functioning. Uzzell BP, et al. **J Clin Exp Neuropsychol** 1986 Oct;8(5):581–93

Prevalence of mercury hypersensitivity in dental students. Miller EG, et al. **J Prosthet Dent** 1987 Aug;58(2):235–7

Safety of mercury amalgam fillings [letter] Bellman TR. **NY J Dent** 1987 Feb;57(1):9–10

[Eyelid pigmentation probably caused by the prolonged application of an ophthalmologic ointment containing mercury] Prigent F, et al. **Ann Dermatol Venereol** 1986; 113(4):357–8 **(Fre)**

[Renal effects of exposure to mercury in a thermometer factory] Gerosa A, et al. **Med Lav** 1986 Nov–Dec; 77(6):635–8 (Eng. Abstr.) **(Ita)**

[A case of granulomatous reaction to tattooing] Colombo R, et al. **Minerva Chir** 1987 Apr 30;42(8):747–9 (Eng. Abstr.) **(Ita)**

[Mercury contamination in dentistry. A synthetic review] Perotti R, et al. **Minerva Stomatol** 1986 Oct;35(10):973–6 (25 ref.) (Eng. Abstr.) **(Ita)**

[Preliminary studies of the effect of occupational exposure to metallic mercury on plasma levels of immune and transport glycoproteins] Sikorski R, et al. **Pol Tyg Lek** 1986 Jul 7;41(27):855–7 (Eng. Abstr.) **(Pol)**

[Mercury–induced granuloma simulating malignant melanoma] Kadyków M. **Przegl Dermatol** 1986 Mar–Apr; 73(2):147–51 (Eng. Abstr.) **(Pol)**

[Treatment of the Lyell drug–allergy syndrome] Severova Ela, et al. **Sov Med** 1987;(6):67–9 **(Rus)**

ANALYSIS

Jerome Hg Vapor Analyzer that amalgam fillings may generate detectable amounts of Hg vapor [letter] Wallis G, et al. **Am Ind Hyg Assoc J** 1986 Dec;47(12):A782, A784

Determination of trace amounts of organic and inorganic mercury in biological materials by graphite furnace atomic absorption spectrometry and organic mercury speciation by gas chromatography. Filippelli M. **Anal Chem** 1987 Jan 1;59(1):116–8

Determination of mercury in lake sediments using a gold film mercury analyser. Mudroch A, et al. **Analyst** 1987 May;112(5):709–10

Reduction of mercuric ion and exhalation of mercury in acatalasemic and normal mice. Ogata M, et al. **Arch Environ Health** 1987 Jan–Feb;42(1):26–30

Environmental exposure to heavy metals in North Greenland. Hansen JC, et al. **Arctic Med Res** 1986;41:21–34

Mercury concentration change in human hair after the ingestion of canned tuna fish. Inasmasu T, et al. **Bull Environ Contam Toxicol** 1986 Oct;37(4):475–81

Mercury in flounder, Platichtys flesus, cod, Gadus morhua, and perch, Perca fluviatilis, in relation to their length and environment. Luten JB, et al. **Bull Environ Contam Toxicol** 1987 Feb;38(2):318–23

Statistical assessment of a sampling pattern for evaluation of changes in mercury and zinc concentrations in Patella coerulea. Puel D, et al. **Bull Environ Contam Toxicol** 1987 Apr;38(4):700–6

Size and mercury concentration relationship as contamination index. Rincón F, et al. **Bull Environ Contam Toxicol** 1987 Mar;38(3):515–22

Arsenic, cadmium, lead and mercury in meat, livers and kidneys of cattle slaughtered in The Netherlands during 1980–1985. Vos G, et al. **Food Addit Contam** 1987 Jan–Mar; 4(1):73–88

Determination and speciation of mercury in a dental work–place by cold vapour atomic absorption spectrometry and gas–liquid chromatography. Seçkin MA, et al. **Int J Environ Anal Chem** 1986;26(1):1–17

The matrix effect in the cold–vapor atomic absorption analysis of mercury in various biological tissues. Wigfield DC, et al. **J Anal Toxicol** 1987 Jul–Aug;11(4):137–9

Time–dependent dissolution of amalgams into saline solution. Ferracane JL, et al. **J Dent Res** 1987 Aug;66(8):1331–5

Dissolution of mercury from amalgam into saline solution. Okabe T, et al. **J Dent Res** 1987 Jan;66(1):33–7

Analysis of mercury concentration in intra–oral air and inspired dose of mercury [letter] Olsson S, et al. **J Dent Res** 1987 Jul;66(7):1288–91

Estimation of mercury body burden from dental amalgam: computer stimulation of a metabolic compartmental model. Vimy MJ, et al. **J Dent Res** 1986 Dec;65(12):1415–9

Evaluation of mercury level in waters, bottom sediments and soils in selected rural areas. Umińska R. **J Hyg Epidemiol Microbiol Immunol** 1987;31(1):9–22

Automated flow–injection mercurothiocyanate determination of chloride salts of drugs for routine assays: content uniformity and dissolution studies. Koupparis MA, et al. **J Pharm Sci** 1986 Aug;75(8):800–4

Mercury in polar bears from Alaska. Lentfer JW, et al. **J Wildl Dis** 1987 Apr;23(2):338–41

Mercury content in some fresh–water fish from Alexandria. Moharram YG, et al. **Nahrung** 1987;31(3):195–8

Mercury levels in fish in a river habitat after cessation of mercury contamination. Norheim G, et al. **Nord Vet Med** 1986 Sep–Oct;38(5):298–302

Mercury in dentistry [editorial] Dreyer WP, et al. **S Afr Med J** 1987 Jul 18;72(2):97–8

Sisters with mercury exposure. Yamagishi M, et al. **Sangyo Ika Daigaku Zasshi** 1986 Dec 1;8(4):449–55

Total mercury, organic mercury, copper, manganese, selenium, and zinc in Sarda sarda from the Gulf of Genoa. Capelli R, et al. **Sci Total Environ** 1987 May;63:83–99

The quantities of cadmium, lead, mercury and arsenic entering the U.K. environment from human activities. Hutton M, et al. **Sci Total Environ** 1986 Dec 1;57:129–50

Lead, mercury, cadmium and selenium in two species of gull feeding on inland dumps, and in marine areas. Leonzio C, et al. **Sci Total Environ** 1986 Dec 1;57:121–7

Hair mercury content among residents of Cumana, Venezuela. Shrestha KP, et al. **Sci Total Environ** 1987 May; 63:77–81

Mercury in neonatal scalp hair. Sikorski R, et al. **Sci Total Environ** 1986 Dec 1;57:105–10

Mercury vapour levels in a domestic environment following breakage of a clinical thermometer. Smart ER. **Sci Total Environ** 1986 Dec 1;57:99–103

The mercury content of hair of Japanese immigrants in various locations in South America. Tsugane S, et al. **Sci Total Environ** 1987 May;63:69–76

Ultrastructural localization of mercury in adrenals from rats exposed to methyl mercury. Rasmussen BL, et al. **Virchows Arch [B]** 1987;52(6):529–38

Arsenic, cadmium, lead and mercury in meat, livers, and kidneys of swine slaughtered in The Netherlands during the period 1980–1985. Vos G, et al. **Z Lebensm Unters Forsch** 1986 Dec;183(6):397–401

[Exposure tests and their evaluation in mercury exposure] Roschig M. **Sante Publique (Bucur)** 1986 Apr–Jun; 29(2):119–23 (Eng. Abstr.) **(Ger)**

[Mercury contamination of office air from new amalgam–mixing and –dosing systems] Wirz J, et al. **Schweiz Monatsschr Zahnmed** 1986 Sep;96(9):1053–60 (Eng. Abstr.) **(Ger)**

[Contaminating components: mercury] Perotti R, et al. **Minerva Stomatol** 1986 Jul–Aug;35(7–8):727–9 (Eng. Abstr.) **(Ita)**

[Interrelationships among hair mercury levels, fish–eating habits and fatty acid composition of serum lipids] Wakisaka I, et al. **Nippon Eiseigaku Zasshi** 1986 Dec;41(5):828–35 (Eng. Abstr.) **(Jpn)**

[Effect of pollutant emissions from a copper plant on the level of mercury in plant food products] Ilow R, et al. **Rocz Panstw Zakl Hig** 1986;37(6):494–7 (Eng. Abstr.) **(Pol)**

[Evaluation of exposure to mercury in the food and the metabolism of this metal by the contents of the digestive tract] Ludwicki JK. **Rocz Panstw Zakl Hig** 1987;38(1):10–3 (Eng. Abstr.) **(Pol)**

[Methods of determining mercury in food products] Polishchuk LR, et al. **Vopr Pitan** 1987 May–Jun;(3):9–12 (51 ref.) **(Rus)**

BLOOD

Examination of blood levels of mercurials in practicing dentists using cold–vapor atomic absorption spectrometry. Chang SB, et al. **J Anal Toxicol** 1987 Jul–Aug;11(4):149–53

Plasma–selenium, glutathione peroxidase in erythrocytes and mercury in plasma in patients allegedly subject to oral galvanism. Molin M, et al. **Scand J Dent Res** 1987 Aug; 95(4):328–34

HISTORY

The calomel rebellion. Leonard RB. **South Med J** 1987 May; 80(5):638

ISOLATION & PURIFICATION

Optimisation of high–performance liquid chromatographic separations with reductive amperometric electrochemical detection: speciation of inorganic and organomercury. Evans O, et al. **Analyst** 1987 Jul;112(7):983–8

METABOLISM

The effects of vitamin C supplementation on blood and hair levels of cadmium, lead, and mercury. Calabrese EJ, et al. **Ann NY Acad Sci** 1987;498:347–53

Effects of endogenous and exogenous thiols on the distribution of mercurial compounds in mouse tissues. Aihara M, et al. **Arch Environ Contam Toxicol** 1986 Nov; 15(6):629–36

Mercury accumulation in relation to size and age of Atlantic herring (Clupea harengus harengus) from the southwestern Bay of Fundy, Canada. Braune BM. **Arch Environ Contam Toxicol** 1987 May;16(3):311–20

Species difference between rat and hamster in tissue accumulation of mercury after administration of methylmercury. Omata S, et al. **Arch Toxicol** 1986 Dec; 59(4):249–54

The release, tissue distribution and excretion of mercury from experimental amalgam tattoos. Cox SW, et al. **Br J Exp Pathol** 1986 Dec;67(6):925–35

The development of mercury- and selenium-containing deposits in the kidneys following implantation of dental amalgams in guinea pigs. Eley BM, et al. **Br J Exp Pathol** 1986 Dec;67(6):937–49

Mercury, cadmium, and lead in British otters. Mason CF, et al. **Bull Environ Contam Toxicol** 1986 Dec;37(6):844–9

Intrarenal distribution of mercury in the rat: effect of administered dose of mercuric chloride. Zalups RK, et al. **Bull Environ Contam Toxicol** 1987 Jan;38(1):67–72

The effects of selenium on the distribution of mercury in the organs of the black bullhead (Ictalurus melas). Jorgensen D, et al. **Comp Biochem Physiol [C]** 1987; 87(1):181–6

Histochemical demonstration of two mercury pools in trout tissues: mercury in kidney and liver after mercuric chloride exposure. Baatrup E, et al. **Ecotoxicol Environ Safety** 1986 Dec;12(3):267–82

Mercury accumulation in mallards fed methylmercury with or without added DDE. Heinz GH. **Environ Res** 1987 Apr; 42(2):372–6

Localization of mercury in CNS of the rat. I. Mercuric chloride (HgCl2) per os. Møller-Madsen B, et al. **Environ Res** 1986 Oct;41(1):29–43

Ratio of organs to blood of mercury during its uptake by normal and acatalasemic mice. Ogata M, et al. **Environ Res** 1987 Apr;42(2):421–4

Sexual differences in the excretion of organic and inorganic mercury by methyl mercury-treated rats. Thomas DJ, et al. **Environ Res** 1987 Jun;43(1):203–16

Sexual differences in the distribution and retention of organic and inorganic mercury in methyl mercury-treated rats. Thomas DJ, et al. **Environ Res** 1986 Oct;41(1):219–34

Generation and dose as modifying factors of inorganic mercury accumulation in brain, liver, and kidneys of rats fed methylmercury. Yamamoto R, et al. **Environ Res** 1986 Oct;41(1):309–18

Mercury accumulation in the eye following administration of methylmercury. DuVal G, et al. **Exp Eye Res** 1987 Jan; 44(1):161–4

Simultaneous ultrastructural demonstration of heavy metals (silver, mercury) and acid phosphatase. Thorlacius-Ussing O, et al. **Histochem J** 1986 Nov-Dec;18(11–12):639–46

Overexpression and DNA-binding properties of the mer-encoded regulatory protein from plasmid NR1 (Tn21). Heltzel A, et al. **J Bacteriol** 1987 Jul;169(7):3379–84

Mercury methylation by bacteria. Trevors JT. **J Basic Microbiol** 1986;26(8):499–504 (28 ref.)

Concentrations of lead, cadmium, mercury and other elements in seeds of Lupinus mutabilis and of other legumes. Gross R, et al. **J Environ Pathol Toxicol Oncol** 1987 Jan-Feb;7(3):59–65

Dose- and sex-dependent alterations in mercury distribution in fetal mice following methylmercury exposure. Inouye M, et al. **J Toxicol Environ Health** 1986;19(3):425–35

Mercury exchanges and toxicity in the crystalline lens in vitro. Grubb BR, et al. **Ophthalmic Res** 1987;19(2):101–6

Foetal distribution of inhaled mercury vapor in normal and acatalasaemic mice. Ogata M, et al. **Physiol Chem Phys Med NMR** 1986;18(3):165–70

Enhanced accumulation of injected inorganic mercury in renal outer medulla after unilateral nephrectomy. Zalups RK, et al. **Toxicol Appl Pharmacol** 1987 Jun 30;89(2):226–36

Binding of mercury to metallothionein-like protein in fetal liver of the guinea pig following in utero exposure to mercury vapor. Yoshida M, et al. **Toxicol Lett** 1987 Jun; 37(1):1–6

PHARMACODYNAMICS

Effects of mercuric ions on isolated guinea-pig ileum. Moberg LE. **Acta Odontol Scand** 1986 Aug;44(4):207–13

Organization, expression, and evolution of genes for mercury resistance. Summers AO. **Annu Rev Microbiol** 1986; 40:607–34 (148 ref.)

Cadmium- and mercury-resistant Bacillus strains from a salt marsh and from Boston Harbor. Mahler I, et al. **Appl Environ Microbiol** 1986 Dec;52(6):1293–8

Mercury- and lead-induced contraction of aortic smooth muscle in vitro. Tomera JF, et al. **Arch Int Pharmacodyn Ther** 1986 Oct;283(2):295–302

The effect of mercuric salts on the electro-rotation of yeast cells and comparison with a theoretical model. Geier BM, et al. **Biochim Biophys Acta** 1987 Jun 12;900(1):45–55

Displacement of zinc and copper from copper-induced metallothionein by cadmium and by mercury: in vivo and ex vivo studies. Funk AE, et al. **Comp Biochem Physiol [C]** 1987;86(1):1–6

Role of the merT and merP gene products of transposon Tn501 in the induction and expression of resistance to mercuric ions. Lund PA, et al. **Gene** 1987;52(2–3):207–14

Selenium-mercury interaction during intestinal absorption of 75Se compounds in chicks. Mykkänen HM, et al. **J Nutr** 1987 Aug;117(8):1453–8

Mercury and antibiotic resistance in clinically significant E. coli isolates. Ajello F, et al. **Microbiologica** 1987 Jan; 10(1):63–71

Cloning and DNA sequence of the mercuric- and organomercurial-resistance determinants of plasmid pDU1358. Griffin HG, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3112–6

Nucleotide sequence and expression of the mercurial-resistance operon from Staphylococcus aureus plasmid pI258. Laddaga RA, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5106–10

Heavy metal inhibition of carnitine acetyltransferase activity in human placental syncytiotrophoblast: possible site of action of HgCl2, CH3HgCl, and CdCl2. Shoaf AR, et al. **Teratogenesis Carcinog Mutagen** 1986;6(5):351–60

[The effect of inorganic mercury on placental amino acid transport using microvillous membrane vesicles] Iioka H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Feb; 39(2):202–6 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

[Mercury pressure gradient and peripheral vascular pathology. Apropos of several cases] Cartier CJ. **Phlebologie** 1986 Jul-Sep;39(3):649–60 (Eng. Abstr.) **(Fre)**

[Practical recommendations for using mercury in conservative dentistry] Re G, et al. **Minerva Stomatol** 1986 Nov;35(11):1049–52 (Eng. Abstr.) **(Ita)**

TOXICITY

Mercury-resistance and mercuric reductase activity in Chromobacterium, Erwinia, and Bacillus species. Trevors JT. **Bull Environ Contam Toxicol** 1987 Jun;38(6):1070–5

Effects of mercury compounds on the spontaneous and potassium-evoked release of [3H]dopamine from mouse striatal slices. McKay SJ, et al. **Can J Physiol Pharmacol** 1986 Dec;64(12):1507–14

Specific inhibition of myelination by lead in vitro; comparison with arsenic, thallium, and mercury. Windebank AJ. **Exp Neurol** 1986 Oct;94(1):203–12

Interaction between radiation and cadmium or mercury in mouse embryos during organogenesis. Michel C, et al. **Int J Radiat Biol** 1987 Jun;51(6):1007–19

Biochemical basis of the toxicity of mercury. Sharma DC. **Med Hypotheses** 1987 Jul;23(3):259–63

In vivo effects of mercury (II) on deoxyuridine triphosphate nucleotidohydrolase, DNA polymerase (alpha, beta), and uracil-DNA glycosylase activities in cultured human cells: relationship to DNA damage, DNA repair, and cytotoxicity. Williams MV, et al. **Mol Pharmacol** 1987 Feb; 31(2):200–7

Hepatotoxicity of metals in glutathione-depleted mice. Siegers CP, et al. **Toxicol Lett** 1986 Dec;34(2–3):185–91

[Hygienic standards for mixtures of mercury and lead in soil] Surkova GV. **Gig Sanit** 1987 Apr;(4):11–4 (Eng. Abstr.) **(Rus)**

[Toxicity of mercury chloride, iodide and ammonium chloride at different structuro-functional levels of the body (group standardization of mercury compounds)] Ivanova LA, et al. **Gig Tr Prof Zabol** 1987 Apr;(4):43–5 **(Rus)**

URINE

Correlation between amalgam restorations and mercury concentrations in urine. Ölstad ML, et al. **J Dent Res** 1987 Jun;66(6):1179–82

Elemental mercury exposure among children of thermometer plant workers. Hudson PJ, et al. **Pediatrics** 1987 Jun; 79(6):935–8

Mercury in dental practice. II. Urinary mercury excretion in dental personnel. Nilsson B, et al. **Swed Dent J** 1986; 10(6):221–32

[Second report on mercury levels in the urine of elementary school students in Ostrava] Březina Z, et al. **Cesk Pediatr** 1986 Dec;41(12):741–2 **(Cze)**

[Evaluation of the urinary excretion of mercury in dentists and dental assistants] Re G, et al. **Minerva Stomatol** 1986 Nov;35(11):1033–6 (Eng. Abstr.) **(Ita)**

[Occupational exposure of dental personnel to mercury] Hrnjak M, et al. **Vojnosanit Pregl** 1986 Jul-Aug;43(4):296–9 **(Scr)**

MERCURY DICHLORIDE see **MERCURIC CHLORIDE**

MERCURY POISONING

The accidental self-injection of mercury: a hazard for glass-blowers. Bleach N, et al. **Arch Emerg Med** 1987 Mar; 4(1):53–5

Sensitive indicators of inorganic mercury toxicity. Rosenman KD, et al. **Arch Environ Health** 1986 Jul-Aug;41(4):208–15

Yellow mercuric oxide ointment and mercury intoxication. De Bont B, et al. **Eur J Pediatr** 1986 Aug;145(3):217–8

Subclinical inorganic mercury neuropathy: neurophysiological investigations in 17 occupationally exposed subjects. Zampollo A, et al. **Ital J Neurol Sci** 1987 Jun;8(3):249–54

[Poisoning in treating scabies with mercuric sulfate ointment] Belkin BG. **Vestn Dermatol Venerol** 1986;(12):44–6 (Eng. Abstr.) **(Rus)**

BLOOD

[Results of the control of the reliability of toxicological analyses of biological specimens 1980–1984] Antczak K, et al. **Med Pr** 1986;37(4):264–70 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Mercury exanthem. Rogers M, et al. **Australas J Dermatol** 1986 Aug;27(2):70–5

The consequences of mercury injection in two patients. Darby J, et al. **Ir Med J** 1987 Jun;80(6):175–6

A case of nephrotic syndrome in a calibrator of precision glassware. Jacobs R. **J Soc Occup Med** 1987 Spring; 37(1):32–3

[Clinical contribution on acute mercury poisoning] Colombo ML, et al. **Minerva Pediatr** 1987 Feb 28;39(3–4):129–34 (Eng. Abstr.) **(Ita)**

[Chronic toxic encephalopathies caused by metallic mercury] Langauer-Lewowicka H, et al. **Neurol Neurochir Pol** 1986 Sep-Oct;20(5):461–5 (Eng. Abstr.) **(Pol)**

[Acute renal failure caused by mercury compounds in humans] Lao M. **Pol Arch Med Wewn** 1986 Mar;75(3):181–5 **(Pol)**

CONGENITAL

Prenatal and early postnatal intoxication by inorganic mercury resulting from the maternal use of mercury containing soap. Lauwerys R, et al. **Hum Toxicol** 1987 May; 6(3):253–6

DIAGNOSIS

Tremor in workers with low exposure to metallic mercury. Verberk MM, et al. **Am Ind Hyg Assoc J** 1986 Sep; 47(9):559–62

Mercury poisoning and acrodynia [letter] Foulds DM, et al. **Am J Dis Child** 1987 Feb;141(2):124–5

Search for anti-laminin antibodies in the serum of workers exposed to cadmium, mercury vapour or lead. Bernard AM, et al. **Int Arch Occup Environ Health** 1987;59(3):303–9

[Lipoid nephrosis of toxic origin. 2 cases] Belghiti D, et al. **Presse Med** 1986 Nov 8;15(39):1953–5 (Eng. Abstr.) **(Fre)**

[Biological aspects of occupational exposure to cadmium and several other metals] Lauwerys R, et al. **Rev Epidemiol Sante Publique** 1986;34(4–5):280–5 (Eng. Abstr.) **(Fre)**

[Exposure tests and their evaluation in mercury exposure] Roschig M. **Sante Publique (Bucur)** 1986 Apr-Jun; 29(2):119–23 (Eng. Abstr.) **(Ger)**

[Problems of exposure to organic mercury compounds in pregnancy] Böttcher M, et al. **Z Gesamte Inn Med** 1987 Mar 1;42(5):141–3 (Eng. Abstr.) **(Ger)**

[Diagnostic problems in chronic Minamata disease (organic mercury poisoning)—with special reference to the neurological features and actual condition of complications] Uchino M, et al. **Rinsho Shinkeigaku** 1987 Feb;27(2):204–10 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Evaluation of the chelating action of methicillin in prolonged experimental metallic mercury poisoning [letter] Lyle WH. **Br J Ind Med** 1987 Jan;44(1):71

Evaluation of the chelating action of methicillin in prolonged experimental metallic mercury poisoning. Twardowska-Saucha K. **Br J Ind Med** 1986 Sep; 43(9):611–4

Effect of ethylenediaminetetraacetic acid (EDTA) on acute mercury poisoning of toad. Hilmy AM, et al. **Comp Biochem Physiol [C]** 1986;85(1):253–4

The therapeutic use of 2,3-dimercaptopropane-1-sulfonate in two cases of inorganic mercury poisoning. Campbell JR, et al. **JAMA** 1986 Dec 12;256(22):3127–30

Chelation in metal intoxication: effect of thiol chelators on renal cytosolic mercury. Tandon SK, et al. **Z Gesamte Hyg** 1986 Sep;32(9):540–1

ENZYMOLOGY

[Glutathione peroxidase activity in rats poisoned with mercury vapor and influence of the simultaneous administration of selenium] Shimosaka H, et al. **Nippon Jinzo Gakkai Shi** 1987 Feb;29(2):235–41 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Mercury hazards arising from the repair of sphygmomanometers. Ide CW. **Br Med J [Clin Res]** 1986 Nov 29;293(6559):1409–10

Potential health hazard of use of mercury in dentistry: critical review of the literature. Enwonwu CO. **Environ Res** 1987 Feb;42(1):257–74 (93 ref.)

Mercury poisoning after disc-battery ingestion. Mant TG, et al. **Hum Toxicol** 1987 Mar;6(2):179–81

Elemental mercury exposure among children of thermometer plant workers. Hudson PJ, et al. **Pediatrics** 1987 Jun; 79(6):935–8

Acrodynia: exposure to mercury from fluorescent light bulbs. Tunnessen WW Jr, et al. **Pediatrics** 1987 May;79(5):786–9

The case of the toxic boots [letter] Coombs WM, et al. **S Afr Med J** 1987 Jul 18;72(2):157

An unusual case of diarrhoea during enteral nutrition. Hansell DT. **Scott Med J** 1986 Oct;31(4):249–50

METABOLISM

Mercury exchanges and toxicity in the crystalline lens in vitro. Grubb BR, et al. **Ophthalmic Res** 1987;19(2):101–6

Sisters with mercury exposure. Yamagishi M, et al. **Sangyo Ika Daigaku Zasshi** 1986 Dec 1;8(4):449–55

PATHOLOGY

[Toxicodermia caused by mercury vapor] Guselin-Zade KM, et al. **Vestn Dermatol Venerol** 1987;(1):47-9 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

The effects of selenium on the distribution of mercury in the organs of the black bullhead (Ictalurus melas). Jorgensen D, et al. **Comp Biochem Physiol [C]** 1987; 87(1):181-6

[Protection and decontamination of construction materials exposed to mercury] Schober E, et al. **Z Gesamte Hyg** 1987 Jan;33(1):23-6 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Inhalation of metallic mercury. Radiological aspect. Apropos of 2 cases] Blery M, et al. **J Radiol** 1987 Jan; 68(1):51-3 (Eng. Abstr.) **(Fre)**

[Roentgen findings following incorporation of metallic mercury] Lange H, et al. **Z Gesamte Inn Med** 1987 May 1;42(9):253-6 (Eng. Abstr.) **(Ger)**

URINE

Urinary biochemical changes in workers exposed to mercury vapor. Himeno S, et al. **Ind Health** 1986;24(3):151-5

VETERINARY

Effect of vitamin E and synthetic antioxidants on the survival rate of mercury-poisoned Japanese quail. Kling LJ, et al. **Poult Sci** 1987 Feb;66(2):325-31

MERCURY RADIOISOTOPES

DIAGNOSTIC USE

The mercury-203 method for evaluating metallothioneins: interference by copper, mercury, oxygen, silver and selenium. Lobel PB, et al. **Comp Biochem Physiol [C]** 1987; 86(1):37-9

MERCY KILLING see **EUTHANASIA**

MERIONES see **GERBILLINAE**

MERMITHID see **MERMITHOIDEA**

MERMITHOIDEA

The histological observations on the progress of the mermithid (Mermis sp) infection in Culex quinquefasciatus Say larvae in the laboratory. Nnakumusana ES. **Indian J Med Sci** 1986 Nov;40(11):278-81

[Experience with the use of mermithids to control bloodsucking mosquitoes in Tadzhikistan] Gafurov AK, et al. **Med Parazitol (Mosk)** 1987 Mar-Apr;(2):68-71 (Eng. Abstr.) **(Rus)**

[Field trials of Romanomermis culicivorax mermithids on malarial mosquito larvae in the Azerbaijan S.S.R.] Vladimirova VV, et al. **Med Parazitol (Mosk)** 1987 Mar-Apr;(2):62-5 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

[Infestation capacity of Romanomermis culicivorax (Ross and Smith, 1976) (Rhabditida: Mermithidae) in larvae of Aedes (S) aegypti (Linnaeus), 1972 (Diptera: Culicidae) under laboratory conditions] Santamarina Mijares A, et al. **Rev Cubana Med Trop** 1986 Sep-Dec;38(3):331-4 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

[The occurrence of the mermithid nematode Romanomermis jingdeensis in the pupae and adults of Anopheles sinensis] Chen DH, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(2):113-5 (Eng. Abstr.) **(Chi)**

MEROMYOSINS

F nuclear magnetic resonance as a probe of structural transitions and cooperative interactions in heavy meromyosin. Kay LE, et al. **J Biol Chem** 1987 Feb 15; 262(5):1984-8

ANALYSIS

Preparation and some properties of carp heavy meromyosin. Hasnain A, et al. **Arch Int Physiol Biochim** 1986 Sep; 94(3):227-31

GENETICS

Characterization of cDNA coding for the complete light meromyosin portion of a rabbit fast skeletal muscle myosin heavy chain. Maeda K, et al. **Eur J Biochem** 1987 Aug 17;167(1):97-102

METABOLISM

Interaction between actin and HMM. Borejdo J, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):541-6

Cross-linking of myosin subfragment 1 and heavy meromyosin by use of vanadate and a bis(adenosine 5'-triphosphate) analogue. Munson KB, et al. **Biochemistry** 1986 Nov 18;25(23):7640-50

Effect of phosphorylation of myosin light chains on interaction of heavy meromyosin with regulated F-actin in ghost fibers. Szczesna D, et al. **Experientia** 1987 Feb 15;43(2):194-6

Crosslinking of trypsin digested acto-heavy meromyosin as a probe of the affinity of the two myosin heads to actin. Pliszka B. **FEBS Lett** 1987 Feb 23;212(2):254-8

Binding of phosphorylated and dephosphorylated heavy meromyosin to F-actin. Szczesna D, et al. **FEBS Lett** 1987 Jan 5;210(2):177-80

The binding of myosin heads on heavy meromyosin and assembled myosin to actin in the presence of nucleotides. Measurements by the proteolytic rates method. Duong AM, et al. **J Biol Chem** 1987 Mar 25;262(9):4129-33

Effect of phosphorylation on the binding of smooth muscle heavy meromyosin X ADP to actin. Greene LE, et al. **J Biol Chem** 1987 Mar 25;262(9):4177-81

Phosphorylation of the 20,000-dalton light chain of smooth muscle myosin by the calcium-activated, phospholipid-dependent protein kinase. Phosphorylation sites and effects of phosphorylation. Ikebe M, et al. **J Biol Chem** 1987 Jul 15;262(20):9569-73

The effects of caldesmon on smooth muscle heavy actomeromyosin ATPase activity and binding of heavy meromyosin to actin. Lash JA, et al. **J Biol Chem** 1986 Dec 5;261(34):16155-60

PHARMACODYNAMICS

Conformational changes of F-actin in myosin-free ghost single fibre induced by either phosphorylated or dephosphorylated heavy meromyosin. Kakol I, et al. **Biochim Biophys Acta** 1987 May 27;913(1):1-9

PHYSIOLOGY

Preparation of N-ethylmaleimide-modified heavy meromyosin and its use as a functional probe of actomyosin-based motility. Cande WZ. **Methods Enzymol** 1986;134:473-7

MERPHALAN see **MELPHALAN**

MESANGIUM, GLOMERULAR see **GLOMERULAR MESANGIUM**

MESCALINE

ANALYSIS

Cactus alkaloids, LXI. Identification of mescaline and related compounds in eight additional species using tlc and ms/ms. Ma WW, et al. **J Nat Prod** 1986 Jul-Aug;49(4):735-7

PHARMACODYNAMICS

Mescaline action on "memory decay" and "problem solving" behavior in the rat. Molinengo L, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1986; 10(6):709-15

MESENCEPHALIC CENTRAL GRAY see **PERIAQUEDUCTAL GRAY**

MESENCEPHALON

Radiation therapy of tumors of the brainstem and midbrain in children: experience of the Joint Center for Radiation Therapy and Children's Hospital Medical Center (1971-1981). Eifel PJ, et al. **Int J Radiat Oncol Biol Phys** 1987 Jun;13(6):847-52

Maladie de Parkinson unilatéral: symptomatique d'une tumeur de pédoncule cérébral. Aita JF, et al. **Neurology** 1987 Jul;37(7):1145-6

Small dorsal mesencephalic hemorrhages [letter] Reinmuth OM, et al. **Neurology** 1987 Apr;37(4):730

ANALYSIS

Topography of cholinergic and substance P pathways in the habenulo-interpeduncular system of the rat. An immunocytochemical and microchemical approach. Contestabile A, et al. **Neuroscience** 1987 Apr;21(1):253-70

ANATOMY & HISTOLOGY

The morphology and divergent axonal organization of midbrain raphe projection neurons in the rat. Imai H, et al. **Brain Dev** 1986;8(4):343-54

Cholinergic innervation of the optic tectum in the frog Rana pipiens. Desan PH, et al. **Brain Res** 1987 Jun 16; 413(2):344-9

Bi-directional, chemically specified neural connections between the subfornical organ and the midbrain raphe system. Lind RW. **Brain Res** 1986 Oct 8;384(2):250-61

Anatomical and electrophysiological evidence for a projection from the medial preoptic area to the 'mesencephalic and subthalamic locomotor regions' in the rat. Swanson LW, et al. **Brain Res** 1987 Mar 3; 405(1):108-22

The projection to the mesencephalon from the sensory trigeminal nuclei. An anatomical study in the cat. Wiberg M, et al. **Brain Res** 1986 Dec 3;399(1):51-68

Somatic labeling of the medial terminal nucleus of the accessory optic system with WGA-HRP injected into the rat occipital cortex. Takada M, et al. **Brain Res Bull** 1987 Jan;18(1):139-42

The host serotonin projection to tectal grafts in young rats: an immunohistochemical study. Harvey AR, et al. **Exp Neurol** 1987 Mar;95(3):688-96

Accessory optic system of an anthropoid primate, the gibbon (Hylobates concolor): evidence of a direct retinal input to the medial terminal nucleus. Cooper HM, et al. **J Comp Neurol** 1987 May 22;259(4):467-82

Innervation of extraocular muscles in the rabbit. Murphy EH, et al. **J Comp Neurol** 1986 Dec 1;254(1):78-90

Localization of motoneurons innervating the extraocular muscles in Salamandra salamandra L. (Amphibia, Urodela). Naujoks-Manteuffel C, et al. **J Comp Neurol** 1986 Dec 1; 254(1):133-41

Retinopretectal and accessory optic projections of normal mice and the OKN-defective mutant mice beige, beige-J, and pearl. Pak MW, et al. **J Comp Neurol** 1987 Apr 15; 258(3):435-46

Anatomical organization of cortico-mesencephalo-olivary pathways in the cat as demonstrated by axonal transport techniques. Saint-Cyr JA. **J Comp Neurol** 1987 Mar 1; 257(1):39-59

Caudal topographic nucleus isthmi and the rostral nontopographic nucleus isthmi in the turtle, Pseudemys scripta. Sereno MI, et al. **J Comp Neurol** 1987 Jul 15; 261(3):319-46

Autoradiographic study of descending pathways from the pontine reticular formation and the mesencephalic trigeminal nucleus in the rat. Sirkin DW, et al. **J Comp Neurol** 1987 Feb 22;256(4):483-93

Auditory pathways to the hypothalamus in ranid frogs. Neary TJ, et al. **Neurosci Lett** 1986 Nov 11;71(2):142-6

A projection from the mesencephalic tegmentum to the nucleus isthmi in the frogs, Rana pipiens and Acris crepitans. Udin SB. **Neuroscience** 1987 May;21(2):631-7

Subcortical afferents to the nucleus reticularis tegmenti pontis in the rabbit: a retrograde horseradish peroxidase study. Hayakawa T, et al. **Okajimas Folia Anat Jpn** 1986 Oct; 63(4):159-77

Lamina I spinomesencephalic neurons in the cat ascend via the dorsolateral funiculi. Hylden JL, et al. **Somatosens Res** 1986;4(1):31-41

[Afferent connections of the mesencephalic locomotor area of the cat brain] Berezovskiĭ VK, et al. **Neirofiziologiia** 1986;18(6):763-73 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Mesencephalic arteriolar and neuronal metabolic profiles from fresh and in vitro incubated tissue sections in the mouse: a histochemical approach. Cannon MS, et al. **Acta Anat (Basel)** 1987;129(2):136-9

Effects of methamphetamine on arterioles of rat caudate nucleus and midbrain. Cannon MS, et al. **Acta Anat (Basel)** 1986;127(3):226-9

Peduncular hallucinosis: magnetic resonance imaging confirmation of mesencephalic infarction during life. Geller TJ, et al. **Ann Neurol** 1987 Jun;21(6):602-4

Vascular architecture of the crura cerebri in dog. Majewska-Michalska E. **Folia Morphol (Warsz)** 1986; 45(3):151-7

Unilateral third nerve palsy and somnolent mutism. Zermeño F, et al. **J Clin Neuro Ophthalmol** 1987 Jun;7(2):93-7

Perimesencephalic hemorrhage [letter] van Gijn J, et al. **J Neurosurg** 1986 Nov;65(5):727-8

[Further findings on the mesencephalic veins] Lang J, et al. **Neurochirurgia (Stuttg)** 1987 May;30(3):69-71 (Eng. Abstr.) **(Ger)**

[A case with bilateral thalamic and midbrain infarction showing prolonged somnolence and various symptoms resembling those of progressive supranuclear palsy] Hashimoto T, et al. **Rinsho Shinkeigaku** 1986 Jul; 26(7):713-6 (Eng. Abstr.) **(Jpn)**

[Combined lateral gaze palsy with unilateral internuclear ophthalmoplegia in high mesencephalic-pontine hemorrhage. Report of a case] Fontanari JL, et al. **Arq Neuropsiquiatr** 1986 Dec;44(4):383-90 (Eng. Abstr.) **(Por)**

CYTOLOGY

A Golgi study of the isthmic nuclei in the pigeon (Columba livia). Güntürkün O. **Cell Tissue Res** 1987 May; 248(2):439-48

A light- and electron-microscopic study of mesencephalic neurons projecting to the ganglion of the nervus terminalis in the goldfish. von Bartheld CS, et al. **Cell Tissue Res** 1986;246(1):63-70

Long dendrites of the parabrachial nucleus neurons projecting to the amygdala: a horseradish peroxidase and Golgi study in the cat. Takeuchi Y, et al. **Exp Neurol** 1987 Apr;96(1):203-7

A study of the centrifugal projections to the pigeon retina using two fluorescent markers. Wolf-Oberhollenzer F. **Neurosci Lett** 1987 Jan 2;73(1):16-20

Target cell stimulation of dissociated serotonergic neurons in culture. Azmitia EC, et al. **Neuroscience** 1987 Jan; 20(1):47-63

[Efferent neurons of the auditory center in the midbrain of

the frog Rana ridibunda] Bibikov NG, et al. **Zh Evol Biokhim Fiziol** 1986 Sep–Oct;22(5):460–5 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Nicotinic effects on the firing pattern of midbrain dopamine neurons. Grenhoff J, et al. **Acta Physiol Scand** 1986 Nov; 128(3):351–8

Respiratory stimulant effects by TRH into the mesencephalic region in the rat. Hedner J, et al. **Acta Physiol Scand** 1987 May;130(1):69–75

Soluble striatal extracts enhance development of mesencephalic dopaminergic neurons in vitro. Tomozawa Y, et al. **Brain Res** 1986 Dec 3;399(1):111–24

Blood–brain barrier permeability during Cuprizone–induced demyelination. Implications for the pathogenesis of immune–mediated demyelinating diseases. Bakker DA, et al. **J Neurol Sci** 1987 Apr;78(2):125–37

Population response of midbrain dopaminergic neurons to neuroleptics: further studies on time course and nondopaminergic neuronal influences. Chiodo LA, et al. **J Neurosci** 1987 Mar;7(3):629–33

1–Methyl–4–phenylpyridinium (MPP+) but not 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP) selectively destroys dopaminergic neurons in cultures of dissociated rat mesencephalic neurons. Sanchez–Ramos J, et al. **Neurosci Lett** 1986 Dec 12;72(2):215–20

Reversible disruption of lordosis via midbrain infusions of procaine and tetrodotoxin. Rothfeld JM, et al. **Pharmacol Biochem Behav** 1986 Oct;25(4):857–63

ACTH neuropeptide stimulation of serotonergic neuronal maturation in tissue culture: modulation by hippocampal cells. Azmitia EC, et al. **Prog Brain Res** 1987;72:311–8

The effects of some polyamines on putative behavioural indices of mesolimbic versus striatal dopaminergic function. Hirsch SR, et al. **Psychopharmacology (Berlin)** 1987; 93(1):101–4

[Responses of neurons of the frontal area of the cortex of the rabbit to electric stimulation of certain limbic–mesencephalic structures after administration of substance P] Kravtsov AN, et al. **Zh Vyssh Nerv Deiat** 1986 Jul–Aug;36(4):730–5 (Eng. Abstr.) **(Rus)**

[Effects of injecting 6–hydroxydopamine into areas of the nigro–striatal (A9) and mesolimbic (A10) dopaminergic systems on the elaboration of a conditioned feeding reflex in the rat] Zhukova EM, et al. **Zh Vyssh Nerv Deiat** 1987 Jan–Feb;37(1):88–94 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Ultrastructure of neural crest formation in the midbrain/rostral hindbrain and preotic hindbrain regions of the mouse embryo. Nichols DH. **Am J Anat** 1987 Jun; 179(2):143–54

Autoradiographic and Golgi study on the early development of n. isthmi principalis and adjacent grisea in the chick embryo: a tridimensional viewpoint. Puelles L, et al. **Anat Embryol (Berl)** 1987;176(1):19–34

GROWTH & DEVELOPMENT

Cell death in the normal development of Gallotia galloti mesencephalon (Reptilia Lacertidae). An ultrastructural study. Monzon M, et al. **J Submicrosc Cytol** 1987 Jan; 19(1):71–6

IMMUNOLOGY

Normal neuronal cell bodies of the nucleus tractus mesencephalici nervi trigemini react with antibodies against phosphorylated epitopes on neurofilaments. Poltorak M, et al. **Exp Neurol** 1987 Sep;97(3):735–8

Somatostatin–like immunoreactivity in the midbrain of the cat. Spangler KM, et al. **J Comp Neurol** 1987 Jun 1; 260(1):87–97

INJURIES

Altered striatal dopaminergic metabolism 36 hours after unilateral trauma to the human mesencephalon. Slevin JT, et al. **Neurology** 1987 Feb;37(2):322–5

METABOLISM

Combined GABA–immunocytochemistry and TMB–HRP histochemistry of pretectal nuclei projecting to the inferior olive in rats, cats and monkeys. Horn AK, et al. **Brain Res** 1987 Apr 14;409(1):133–8

Met–enkephalin levels in midbrain dopamine regions of inbred mouse strains which differ in the number of dopamine neurons. Sanghera MK, et al. **Brain Res** 1987 May 26;412(1):200–3

Immunocytochemical localization of atrial natriuretic factor, galanin and calcitonin gene–related peptide within the rat interpeduncular nucleus. Hamill GS, et al. **Brain Res Bull** 1986 Jul;17(1):83–93

GABAA receptors in the midbrain central grey mediate the antiaversive action of GABA. Audi EA, et al. **Eur J Pharmacol** 1987 Mar 17;135(2):225–9

Sensitivity of neurons in the auditory midbrain of the grassfrog to temporal characteristics of sound. I. Stimulation with acoustic clicks. Epping WJ, et al. **Hear Res** 1986;24(1):37–54

Neurotensin binding sites in the forebrain and midbrain of the pigeon. Brauth SE, et al. **J Comp Neurol** 1986 Nov 15;253(3):358–73

3H–nicotine– and 125I–alpha–bungarotoxin–labeled nicotinic receptors in the interpeduncular nucleus of rats. II. Effects of habenular deafferentation. Clarke PB, et al. **J Comp Neurol** 1986 Sep 15;251(3):407–13

3H–nicotine and 125I–alpha–bungarotoxin–labeled nicotinic receptors in the interpeduncular nucleus of rats. I. Subnuclear distribution. Hamill GS, et al. **J Comp Neurol** 1986 Sep 15;251(3):398–406

The postnatal development of the dopamine–containing innervation of dorsal and ventral striatum: effects of the weaver gene. Roffler–Tarlov S, et al. **J Neurosci** 1987 Aug; 7(8):2364–72

Neural crest–derived proprioceptive neurons express nerve growth factor receptors but are not supported by nerve growth factor in culture. Davies AM, et al. **Neuroscience** 1987 Jan;20(1):37–46

The correlation between hypothalamic and midbrain biogenic amine content and the intensity of the emotional–defensive arousal in cats. Romaniuk A, et al. **Pol J Pharmacol Pharm** 1986 Jul–Aug;38(4):371–6

Coexistence during ontogeny and transplantation. Schultzberg M, et al. **Prog Brain Res** 1986;68:129–45

[Relation between the bronchospasmolytic action of sophocarpine and cAMP content of the mesencephalon] Yao DF, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jan; 7(1):65–6 (Eng. Abstr.) **(Chi)**

PATHOLOGY

Magnetic resonance imaging of the midbrain in Parkinson's disease. Duguid JR, et al. **Ann Neurol** 1986 Dec;20(6):744–7

A case of progressive supranuclear palsy with fibrillary gliosis of the midbrain and pontine reticular formation. Ishino H, et al. **Clin Neuropathol** 1987 Mar–Apr;6(2):61–6

Quantitative analysis of the oculomotor nuclei in the mutant microphthalmic rat. Tanaka K, et al. **Exp Neurol** 1987 Feb; 95(2):472–81

[A case of hepatocellular carcinoma associated with polyphagia due to midbrain tumor embolism] Hayashi K, et al. **Nippon Naika Gakkai Zasshi** 1987 Mar;76(3):441–4 **(Jpn)**

PHYSIOLOGY

Somatosensory units in the cat's intercollicular region. Danielsson I, et al. **Acta Physiol Scand** 1986 Dec; 128(4):579–86

Partial di–mesencephalic hemitransections produce disappearance of [3H]nicotine binding in discrete regions of rat brain. Härfstrand A, et al. **Acta Physiol Scand** 1987 May;130(1):161–3

Phase resetting and dysrhythmic responses of the respiratory oscillator. Paydarfar D, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):R55–62

Growth and connectivity of axotomized retinal neurons in adult rats with optic nerves substituted by PNS grafts linking the eye and the midbrain. Aguayo AJ, et al. **Ann NY Acad Sci** 1987;495:1–9

Are neuronotrophic neuron–astrocyte interactions regionally specified? Chamak B, et al. **Ann NY Acad Sci** 1987; 495:528–36

Onset and duration of astrocytic response to cells transplanted into the adult mammalian brain. Whitaker–Azmitia PM, et al. **Ann NY Acad Sci** 1987; 495:10–23

Targeting errors and reduced oculomotor range following ablations of the superior colliculus or pretectum/thalamus. Keating EG, et al. **Behav Brain Res** 1986 Dec;22(3):191–210

Disappearance of hoarding behavior after 6–hydroxydopamine lesions of the mesolimbic dopamine neurons and its reinstatement with L–dopa. Kelley AE, et al. **Behav Neurosci** 1985 Jun;99(3):531–45

Lesions in the mesencephalic part of pedunculopontine nuclei modify goal–directed behaviour. Müller K, et al. **Biomed Biochim Acta** 1986;45(9):1159–65

Frequency representation in the auditory midbrain and forebrain of a marsupial, the northern native cat (Dasyurus hallucatus). Aitkin LM, et al. **Brain Behav Evol** 1986; 29(1–2):17–28

Symposium on brainstem, midbrain, telencephalon and behavior. Tokyo, November 3–4, 1984. **Brain Dev** 1986; 8(4):327–491

Effect of dorsal midbrain lesion in infant rats on development of circadian rhythm. Takahashi K, et al. **Brain Dev** 1986; 8(4):373–81

A cholinergic projection to the rat substantia nigra from the pedunculopontine tegmental nucleus. Beninato M, et al. **Brain Res** 1987 May 26;412(1):169–74

The mesencephalic locomotor region. I. Activation of a medullary projection site. Garcia–Rill E, et al. **Brain Res** 1987 May 12;411(1):1–12

The mesencephalic locomotor region. II. Projections to reticulospinal neurons. Garcia–Rill E, et al. **Brain Res** 1987 May 12;411(1):13–20

Dopamine antagonists reduce spontaneous electrical activity in cultured mammalian neurons from ventral mesencephalon. Heyer EJ. **Brain Res** 1986 Sep 24; 382(2):404–8

Sites of origin of gonadotropin releasing hormone containing projections to the amygdala and the interpeduncular nucleus. Jennes L. **Brain Res** 1987 Feb 24;404(1–2):339–44

Circadian activity rhythms in rats with midbrain raphe lesions. Levine JD, et al. **Brain Res** 1986 Oct 8;384(2):240–9

Characterization of the very late cardiosympathetic A–reflex in high–mesencephalic cats. Lukoshkova EV, et al. **Brain Res** 1987 Jun 2;412(2):357–62

Locomotion elicited by lateral hypothalamic stimulation in the anesthetized rat does not require the dorsal midbrain. Sinnamon HM, et al. **Brain Res** 1987 Jan 27;402(1):78–86

Neural basis for initiation of rhythmic digastric activity upon midbrain stimulation in the guinea pig. Tal M. **Brain Res** 1987 May 12;411(1):58–64

Activation of the isthmo–optic neurons by the visual Wulst stimulation. Uchiyama H, et al. **Brain Res** 1987 Mar 17; 406(1–2):322–5

Retrograde HRP demonstration of afferent projections to the midbrain and nest calls in the ring dove. Cheng MF, et al. **Brain Res Bull** 1987 Jan;18(1):45–8

Projections of the mesencephalic locomotor region in the rat. Garcia–Rill E, et al. **Brain Res Bull** 1986 Jul;17(1):33–40

Brain temperature in the rat midbrain reticular formation is regulated by bombesin and TRH. Mori M, et al. **Endocrinology** 1986 Oct;119(4):1864–6

Ascending vocalization pathways in the female ring dove: projections of the nucleus intercollicularis. Akesson TR, et al. **Exp Neurol** 1987 Jan;95(1):34–43

Sensitivity of neurons in the auditory midbrain of the grassfrog to temporal characteristics of sound. II. Stimulation with amplitude modulated sound. Epping WJ, et al. **Hear Res** 1986;24(1):55–72

Directional sensitivity of the auditory midbrain in the mustached bat to free–field tones. Makous JC, et al. **Hear Res** 1986;24(1):73–88

Sensitivity of neurons in the dorsal medullary nucleus of the grassfrog to spectral and temporal characteristics of sound. van Stokkum IH. **Hear Res** 1987;29(2–3):223–35

Effects of mesencephalic lesion on the histomorphology of testis and spermatogenesis. Ali MA. **Indian J Physiol Pharmacol** 1986 Jan–Mar;30(1):11–21

The interpeduncular nucleus. Morley BJ. **Int Rev Neurobiol** 1986;28:157–82 (142 ref.)

The lateral line mechanoreceptive mesencephalic, diencephalic, and telencephalic regions in the thornback ray, Platyrhinoidis triseriata (Elasmobranchii). Bleckmann H, et al. **J Comp Physiol [A]** 1987 Jun;161(1):67–84

Gating of sensory information: joint computations of phase and amplitude data in the midbrain of the electric fish, Eigenmannia. Heiligenberg W, et al. **J Comp Physiol [A]** 1986 Sep;159(3):311–24

'Ancestral' neural mechanisms of electrolocation suggest a substrate for the evolution of the jamming avoidance response. Rose G, et al. **J Comp Physiol [A]** 1987 Apr; 160(4):491–500

Coherent neural activity in the auditory midbrain of the grassfrog. Epping WJ, et al. **J Neurophysiol** 1987 May; 57(5):1464–83

Neural control of vergence eye movements: neurons encoding vergence velocity. Mays LE, et al. **J Neurophysiol** 1986 Oct;56(4):1007–21

Responses of midbrain dopamine neurons to behavioral trigger stimuli in the monkey. Schultz W. **J Neurophysiol** 1986 Nov;56(5):1439–61

Selectivity for interaural time difference in the owl's midbrain. Takahashi T, et al. **J Neurosci** 1986 Dec; 6(12):3413–22

Pupillary responses evoked by electrical stimulation of area pretectalis in cats. Shoumura K, et al. **Jpn J Ophthalmol** 1986;30(4):436–52

Presence of opioid receptors in mesencephalic nucleus dorsalis raphe concerned in cardiovascular regulation in cats. Saxena AK, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jul; 336(1):81–6

Estrogen priming affects the sensitivity of midbrain central gray neurons to microiontophoretically applied LHRH but not beta–endorphin. Schiess MC, et al. **Neuroendocrinology** 1987 Jun;46(1):24–31

Neuromediator sensitivity of neurons of reticular formation and orbital cortex in fasted and fed rabbits. Borisova EV. **Neurosci Behav Physiol** 1986 Sep–Oct;16(5):394–400

Different effects of electrical stimulation of the mesencephalic and pontine reticular formation on the release of dopamine and acetylcholine in the cat caudate nucleus. Romo R, et al. **Neurosci Lett** 1987 Jul 9; 78(1):57–62

Immunohistochemical evidence of plasticity of gamma–aminobutyric acid neurons in the red nucleus and adjacent reticular formation after contralateral cerebellectomy in the adult cat. Vuillon–Cacciuttolo G, et al. **Neurosci Lett** 1986 Oct 20;70(3):308–13

Interactions between the basal ganglia, the pontine parabrachial region, and the trigeminal system in cat. Schneider JS. **Neuroscience** 1986 Oct;19(2):411–25

Midbrain stimulation in the anesthetized rat: direct locomotor effects and modulation of locomotion produced by hypothalamic stimulation. Sinnamon HM, et al. **Neuroscience** 1987 Feb;20(2):695–707

Activities of single neurons in midbrain and thalamus of cats during conditioned nocifensive behavior. Korzeniewska E, et al. **Pain** 1986 Sep;26(3):313–27

Mesencephalic dopamine neurons regulate the expression of neuropeptide mRNAs in the rat forebrain. Young WS 3d, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9827–31

[The effect of intracortical stimulation of the somatic sensory

area mesencephalon reticular formation and its relation to the acupuncture effect] Gao ML, et al. **Chen Tzu Yen Chiu** 1987;12(1):41–8 (Eng. Abstr.) **(Chi)**

[Masticatory rhythm generated by electrical and chemical stimulation of the mesencephalic reticular formation in the guinea pig] Hashimoto N. **Kokubyo Gakkai Zasshi** 1986 Dec;53(4):679–88 (Eng. Abstr.) **(Jpn)**

[Tonic inhibitory effect of the cat brain on spinal interneurons] Slivko EI, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):515–6 (Eng. Abstr.) **(Rus)**

[Participation of the nigro–striatal and mesolimbic dopaminergic systems of the brain in the control of components of learned motor reactions in the dog] Shapovalova KB, et al. **Fiziol Zh SSSR** 1987 May; 73(5):579–89 (Eng. Abstr.) **(Rus)**

[Convergence and interaction of reticulofugal and afferent impulses on caudate nucleus neurons in the cat] Litvinova AN, et al. **Neirofiziologiia** 1987;19(1):101–10 (Eng. Abstr.) **(Rus)**

[Mesencephalic locomotor region of the guinea pig] Tsitsabadze FI. **Neirofiziologiia** 1987;19(2):271–4 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of septal "burst" neurons after elimination of afferent effects of the reticular formation in the rabbit] Brazhnik ES. **Zh Vyssh Nerv Deiat** 1986 Jul–Aug;36(4):721–9 (Eng. Abstr.) **(Rus)**

[Functional organization of the cortico–reticular system of the brain in response to physical loads] Ekimov AK, et al. **Zh Vyssh Nerv Deiat** 1987 May–Jun;37(3):515–21 (Eng. Abstr.) **(Rus)**

[Evoked potentials in the reticular formation of the rabbit midbrain during formation of a dominant focus in it] Grechushnikova LS. **Zh Vyssh Nerv Deiat** 1986 Nov–Dec; 36(6):1093–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Pathological eye–head coordination in roll: tonic ocular tilt reaction in mesencephalic and medullary lesions. Brandt T, et al. **Brain** 1987 Jun;110 (Pt 3):649–66

Effect of neonatal 6–hydroxydopamine treatment on experimental vasospasm following a subarachnoid hemorrhage in the rat. Delgado TJ, et al. **J Cereb Blood Flow Metab** 1987 Jun;7(3):289–94

[Spike activity of mesencephalic neurons during nociceptive stimulation of the alert cat] Kiiatkin EA, et al. **Zh Vyssh Nerv Deiat** 1987 Mar–Apr;37(2):336–44 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Spontaneous, isolated, mesencephalic hemorrhage [letter] Stern LZ, et al. **Neurology** 1986 Dec;36(12):1627

SURGERY

Long–term follow–up study of rostral mesencephalic reticulotomy for pain relief—report of 34 cases. Amano K, et al. **Appl Neurophysiol** 1986;49(3):105–11

Stereotactic mesencephalic tractotomy for thalamic pain. Shieff C, et al. **Neurol Res** 1987 Jun;9(2):101–4

[Identification of nuclei of the pretectal area during stereotaxic surgery for spastic torticollis] Raeva SN, et al. **Zh Vopr Neirokhir** 1986 Sep–Oct;(5):39–43 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Biochemical and behavioral correction of MPTP Parkinson–like syndrome by fetal cell transplantation. Bakay RA, et al. **Ann NY Acad Sci** 1987;495:623–40

Intracerebral grafting of dopamine neurons. Experimental basis for clinical trials in patients with Parkinson's disease. Brundin P, et al. **Ann NY Acad Sci** 1987;495:473–96

Behavioral effects of intraaccumbens transplants in rats with lesions of the mesocorticolimbic dopamine system. Choulli K, et al. **Ann NY Acad Sci** 1987;495:497–509

Spontaneous and graft–induced behavioral recovery after 6–hydroxydopamine lesion of the nucleus accumbens in the rat. Choulli K, et al. **Brain Res** 1987 Mar 31; 407(2):376–80

Dopamine–rich grafts ameliorate whole body motor asymmetry and sensory neglect but not independent limb use in rats with 6–hydroxydopamine lesions. Dunnett SB, et al. **Brain Res** 1987 Jul 7;415(1):63–78

Behavioural effects of human fetal dopamine neurons grafted in a rat model of Parkinson's disease. Brundin P, et al. **Exp Brain Res** 1986;65(1):235–40

Transplantation of ventral mesencephalic anlagen to hosts with genetic nigrostriatal dopamine deficiency. Triarhou LC, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8789–93

ULTRASTRUCTURE

Cytology and immunocytochemistry of the nucleus extrolateralis anterior of the mormyrid brain: possible role of GABAergic synapses in temporal analysis. Mugnaini E, et al. **Anat Embryol (Berl)** 1987;176(3):313–36

The nucleus of Darkschewitsch in the cat: a Nissl, Golgi, and electron microscope analysis. Bianchi R, et al. **Anat Rec** 1986 Oct;216(2):198–206

An ultrastructural analysis of afferent terminals to the anterior pretectal nucleus in the cat. Kitao Y, et al. **J Comp Neurol** 1987 May 15;259(3):348–63

MESENCHYMOMA

Embryonal sarcoma of urinary bladder. Tyagi N, et al. **J Indian Med Assoc** 1986 Oct;84(10):313–4

COMPLICATIONS

Hypercalcemic hyperparathyroidism complicating oncogenic osteomalacia. Effect of successful tumor resection on mineral homeostasis. Reid IR, et al. **Am J Med** 1987 Aug; 83(2):350–4 (19 ref.)

Tumor–induced osteomalacia. Kinetics of calcium, phosphorus, and vitamin D metabolism and characteristics of bone histomorphometry. Siris ES, et al. **Am J Med** 1987 Feb;82(2):307–12

Benign mesenchymoma in the trachea of a patient with the nevoid basal cell carcinoma syndrome. Wolthers OD, et al. **J Laryngol Otol** 1987 May;101(5):522–6

DIAGNOSIS

Undifferentiated (embryonal) sarcoma of the liver in childhood: results of a retrospective Italian study. Perilongo G, et al. **Tumori** 1987 Jun 30;73(3):213–7

[Mesenchymal tumor markers] Altmannsberger M, et al. **Verh Dtsch Ges Pathol** 1986;70:51–63 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Cisplatin therapy for disseminated mixed mesodermal sarcoma of the uterus. Gershenson DM, et al. **J Clin Oncol** 1987 Apr;5(4):618–21

Antioestrogen therapy of pure mesenchymal tumour [letter] Wilson AJ, et al. **Lancet** 1987 Feb 28;1(8531):508

ETIOLOGY

Sarcoma following irradiation for breast cancer. Report of three unusual cases including one malignant mesenchymoma of bone. Hatlinghus S, et al. **Acta Radiol [Oncol]** 1986 Jul–Dec;25(4–6):239–42

MICROBIOLOGY

The tat gene of human T–lymphotropic virus type 1 induces mesenchymal tumors in transgenic mice. Nerenberg M, et al. **Science** 1987 Sep 11;237(4820):1324–9

PATHOLOGY

Mesenchymal neoplasms in childhood. Insights of Arthur Purdy Stout and where they have taken us. Dehner LP. **Am J Surg Pathol** 1986;10 Suppl 1:32–42 (83 ref.)

Malignant ectomesenchymoma of soft tissue. Report of two cases and review of the literature. Kawamoto EH, et al. **Cancer** 1987 May 15;59(10):1791–802 (26 ref.)

Malignant mesenchymoma of the bladder. Terada Y, et al. **Cancer** 1987 Aug 15;60(4):858–63 (14 ref.)

Phosphaturic mesenchymal tumors. A polymorphous group causing osteomalacia or rickets. Weidner N, et al. **Cancer** 1987 Apr 15;59(8):1442–54

[Morphological study on 4 cases of sclerosing stromal tumor of the ovary] Xu HF. **Chung–hua Ping Li Hsueh Tsa Chih** 1986 Sep;15(3):218–9 **(Chi)**

[Histogenesis of benign pleomorphic mesenchymal tumors] Bednář B, et al. **Cesk Patol** 1986 Nov;22(4):241–4 (Eng. Abstr.) **(Cze)**

[A benign mesenchymal tumor of the trachea] Wolthers OD, et al. **Ugeskr Laeger** 1987 Apr 6;149(15):989–90 (Eng. Abstr.) **(Dan)**

[Mesenchymal (non–epithelial) salivary gland tumors. Analysis of 167 tumor cases of the salivary gland register] Seifert G, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Sep; 65(9):485–91 (Eng. Abstr.) **(Ger)**

[Mesenchymoma of the greater omentum] Litovka VK, et al. **Khirurgiia (Mosk)** 1986 Aug;(8):141–2 **(Rus)**

RADIOGRAPHY

Undifferentiated (embryonal) sarcoma of the liver: radiologic–pathologic correlation. Ros PR, et al. **Radiology** 1986 Oct;161(1):141–5

SURGERY

[Malignant mesenchymoma of the mesocolon] Ashizawa K, et al. **Gan No Rinsho** 1987 Mar;33(3):317–21 (Eng. Abstr.) **(Jpn)**

[Benign mesenchymoma of the terminal portion of the small intestine with tumor invagination into the cecum] Pshukov SI, et al. **Vestn Khir** 1987 Apr;138(4):60–1 **(Rus)**

MESENTERIC ARTERIES

Pentoxifylline for mesenteric ischemia [letter] Mavrelis PG, et al. **Am J Gastroenterol** 1987 Feb;82(2):175

Transluminal angioplasty of superior mesenteric artery and celiac trunk. Wilms G, et al. **Ann Radiol (Paris)** 1986; 29(6):535–8

Traumatic mesenteric arteriovenous fistula presenting as the superior mesenteric artery syndrome. Reed JK, et al. **Arch Surg** 1986 Oct;121(10):1209

Superior mesenteric artery aneurysm diagnosed by ultrasound. Mourad K, et al. **Br J Radiol** 1987 Mar; 60(711):287–8

Acute superior mesenteric ischaemia. Wilson C, et al. **Br J Surg** 1987 Apr;74(4):279–81

Fistula from the superior mesenteric artery to duodenum: a rare cause of death from pancreatic carcinoma. Thorstad BL, et al. **Gastrointest Radiol** 1987;12(3):200–2

Mesenteric bleeding due to a ruptured aneurysm of the middle colic artery. Matsuyama T, et al. **Hiroshima J Med Sci** 1986 Dec;35(4):293–7

Pseudoaneurysm with rupture in pancreatic pseudocyst wall as demonstrated by computed tomography. Kittredge RD, et al. **J Comput Tomogr** 1987 Jan;11(1):35–8

Mycotic aneurysm of the superior mesenteric artery. Friedman SG, et al. **J Vasc Surg** 1987 Jul;6(1):87–90

In vivo noninvasive observation of acute mesenteric ischemia in rats. Blum H, et al. **Surg Gynecol Obstet** 1987 May; 164(5):409–14

Use of recipient mesenteric vessels for revascularization of segmental pancreas grafts: technical and metabolic considerations. Sutherland DE, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2300–4

[Infectious aneurysm of the superior mesenteric artery in a 14–year–old child] Volpe JR, et al. **J Radiol** 1987 Jun–Jul; 68(6–7):471–3 (Eng. Abstr.) **(Fre)**

ABNORMALITIES

A rare case of anastomosis between the dorsal pancreatic and inferior mesenteric arteries. Inoue K, et al. **Okajimas Folia Anat Jpn** 1986 May;63(1):45–6

[A case of the absence of the inferior mesenteric artery] Nishiguchi T, et al. **Kaibogaku Zasshi** 1986 Jun;61(3):186–9 (Eng. Abstr.) **(Jpn)**

[An unusual form of chronic vasomesenteric duodenal obstruction] Betaneli AM, et al. **Vestn Khir** 1986 Sep; 137(9):78–9 **(Rus)**

ANATOMY & HISTOLOGY

Arterial supply to the pig intestine: an unusual pattern in the mesentery. Spalding H, et al. **Anat Rec** 1987 May; 218(1):27–9

Topological structure of rat mesenteric microvessel networks. Ley K, et al. **Microvasc Res** 1986 Nov; 32(3):315–32

Collateral mesenteric circulation. Fisher DF Jr, et al. **Surg Gynecol Obstet** 1987 May;164(5):487–92 (11 ref.)

CYTOLOGY

An isolated perfused rat mesentery model for direct observation of the vasculature during cryopreservation. Pollock GA, et al. **Cryobiology** 1986 Dec;23(6):500–11

DRUG EFFECTS

Effects of conjugated estrogens on the vascular reactivity of the mesenteric vascular bed of the rat. Kasabdji D, et al. **Acta Cient Venez** 1986;37(1):51–5

Effects of dihydropyridines on tension and calcium–45 influx in isolated mesenteric resistance vessels from spontaneously hypertensive and normotensive rats. Cauvin C, et al. **Am J Cardiol** 1987 Jan 30;59(3):116B–122B

Interactions between noradrenaline and alpha 2–adrenoceptor agonists in the superior mesenteric arterial bed of the rat. Hiley CR, et al. **Br J Pharmacol** 1986 Dec; 89(4):779–85

Autoregulation of superior mesenteric artery is blocked by adenosine antagonism. Lautt WW. **Can J Physiol Pharmacol** 1986 Oct;64(10):1291–5

Mechanisms of flunarizine–induced vasodilation in the rabbit mesenteric artery. Itoh T, et al. **Circ Res** 1987 Sep; 61(3):446–54

Frusemide inhibition of sympathetic vasoconstriction in the rat in situ blood perfused mesentery. Armsworth SJ, et al. **Clin Exp Pharmacol Physiol** 1986 Jun;13(6):495–503

Actions of some prostaglandins and leukotrienes on rat cerebral and mesenteric arteries. Högestätt ED, et al. **Gen Pharmacol** 1987;18(2):111–7

Enhancement of vasoconstrictor responses to thiopental and barium chloride by intraluminal treatment with saponin in isolated canine mesenteric arteries. Chiba S, et al. **Heart Vessels** 1986;2(2):102–5

Mechanisms of the Ba2+–induced contraction in smooth muscle cells of the rabbit mesenteric artery. Satoh S, et al. **J Gen Physiol** 1987 Feb;89(2):215–37

Reactivity of aorta and mesenteric microvessels to drugs in spontaneously hypertensive rats: role of the endothelium. Carvalho MH, et al. **J Hypertens** 1987 Jun;5(3):377–82

The effect of hyperthyroidism on the responsiveness of the rat mesenteric artery to vasoactive agents. Grassby PF, et al. **Proc West Pharmacol Soc** 1986;29:195–8

The influence of dietary marine oil (Polepa) and evening primrose oil (Efamol) on prostaglandin production by the rat mesenteric vasculature. Nassar BA, et al. **Prostaglandins Leukotrienes Med** 1987 Mar;26(3):253–63

The effect of BW 755C and nordihydroguaiaretic acid in the rat isolated perfused mesenteric vasculature. Stanton BJ, et al. **Prostaglandins Leukotrienes Med** 1986 Dec; 25(2–3):199–207

INJURIES

MR of superior mesenteric artery—renal vein fistula. Conces DJ Jr, et al. **Comput Radiol** 1986 Nov–Dec;10(6):279–82

[Injuries of the large vessels caused by laparoscopy] Zweigel

D, et al. **Zentralbl Gynakol** 1987;109(10):673–8 (Eng. Abstr.) **(Ger)**

[Traumatic rupture of the superior mesenteric artery and duodenum complicated by stenosis in a child] Tsuman VG, et al. **Khirurgiia (Mosk)** 1986 Aug;(8):143–5 **(Rus)**

INNERVATION

Activation of mesenteric arteries and veins by preganglionic and postganglionic nerves. Kreulen DL. **Am J Physiol** 1986 Dec;251(6 Pt 2):H1267–75

Evidence against high pressure, arterial baroreceptors in the abdominal viscera of cats. Martin SE, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):H1283–91

Evidence for sympathetic, purinergic transmission in the mesenteric artery of the dog. Muramatsu I. **Br J Pharmacol** 1986 Mar;87(3):478–80

A comparison between the pattern of dopamine and noradrenaline release from sympathetic neurones of the dog mesenteric artery. Soares-da-Silva P. **Br J Pharmacol** 1987 Jan;90(1):91–8

Use of the fluorescent dye, fast blue, to label sympathetic postganglionic neurones supplying mesenteric arteries and enteric neurones of the rat. Hill CE, et al. **J Auton Nerv Syst** 1987 Jan;18(1):73–82

Effects of epinephrine and dopamine on norepinephrine release from the sympathetic nerve endings in hypertension. Tsuda K, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S45–8

Inhibitory action on alpha-human atrial natriuretic polypeptide on vascular adrenergic neurotransmission is attenuated in spontaneously hypertensive rats. Tsuda K, et al. **Jpn Circ J** 1987 May;51(5):589–93

Effects of calcium-antagonists on norepinephrine release from sympathetic nerve endings in rat mesenteric vasculature. Tsuda K, et al. **Jpn Heart J** 1986 May; 27(3):395–402

Photoelectric measurement of neurogenic vasoconstriction in jejunal branches of the rabbit mesenteric artery reveals the presence of presynaptic opioid delta-receptors. Illes P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jun; 335(6):701–4

METABOLISM

Effects of monovalent and divalent cations and of guanine nucleotides on binding of vasopressin to the rat mesenteric vasculature. Larivière R, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1171–81

45Ca fluxes in rat mesenteric resistance vessels. Cauvin C, et al. **J Cardiovasc Pharmacol** 1987;10 Suppl 1:S44–8

Evidence for a non-precursor dopamine pool in noradrenergic neurones of the dog mesenteric artery. Soares-da-Silva P. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jul; 333(3):219–23

PARASITOLOGY

Common internal parasites found in the stomach, large intestine, and cranial mesenteric artery of thoroughbreds in Kentucky at necropsy (1985 to 1986). Lyons ET, et al. **Am J Vet Res** 1987 Feb;48(2):268–73

PATHOLOGY

Morphometric study of mesenteric arteries from genetically hypertensive Dahl strain rats. Lee RM, et al. **Blood Vessels** 1986;23(4–5):199–224

Persistent mesenteric ischaemia in a young woman [letter] Hartnell GG. **Br Med J [Clin Res]** 1987 Jul 11; 295(6590):121

Spontaneous arterial lesions: their possible role in arteriosclerosis. Campbell GR, et al. **Exp Mol Pathol** 1986 Dec;45(3):227–44

High-K diets reduce brain haemorrhage and infarcts, death rate and mesenteric arteriolar hypertrophy in stroke-prone spontaneously hypertensive rats. Tobian L, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S205–7

PHYSIOLOGY

Action and metabolism of des(Arg)kinins in mesenteric arteries. Churchill L, et al. **Adv Exp Med Biol** 1986;198 Pt A:571–5

Sigmoid intramural pH for prediction of ischemic colitis during aortic surgery. A comparison with risk factors and inferior mesenteric artery stump pressures. Schiedler MG, et al. **Arch Surg** 1987 Aug;122(8):881–6

Increased reactivity in the mesenteric artery of spontaneously hypertensive rats to phorbol ester. MacKay MJ, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1105–11

Velocity profiles of blood platelets and red blood cells flowing in arterioles of the rabbit mesentery. Tangelder GJ, et al. **Circ Res** 1986 Nov;59(5):505–14

Differential effects of prostaglandins on mesenteric and cerebral arteries isolated from premature newborn baboons. Park MK, et al. **Eur J Pediatr** 1987 Jan;146(1):61–2

Neuroeffector function in mesenteric arteries isolated from beagles of different ages. Toda N, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):223–7

Evidence that cGMP is the mediator of endothelium-dependent inhibition of contractile responses of rat arteries to alpha-adrenoceptor stimulation. MacLeod KM, et al. **Mol Pharmacol** 1987 Jul;32(1):59–64

Increased superior mesenteric artery blood flow after glucose but not lactulose ingestion. Qamar MI, et al. **Q J Med** 1986 Sep;60(233):893–6

Angiotensin II-induced tachyphylactic constrictions in isolated and perfused canine mesenteric arteries. Chiba S, et al. **Tohoku J Exp Med** 1986 Dec;150(4):417–26

PHYSIOPATHOLOGY

Age-related superior mesenteric arterial flow changes in piglets: effects of feeding and hemorrhage. Yao AC, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):G718–23

Perfusion of the intact and partially isolated rat mesenteric vascular bed: application to vessels from hypertensive and normotensive rats. Longhurst PA, et al. **Blood Vessels** 1986; 23(6):288–96

Temporary extracorporeal perfusion of the splanchnic circulation dependent on the Riolan anastomosis. Neglén P, et al. **J Cardiovasc Surg (Torino)** 1987 May-Jun; 28(3):249–52

RADIOGRAPHY

Aggressive angiographic diagnosis in acute lower gastrointestinal hemorrhage. Koval G, et al. **Dig Dis Sci** 1987 Mar;32(3):248–53

The superior mesenteric artery fat plane: is obliteration pathognomonic of pancreatic carcinoma? Mitchell DG, et al. **J Comput Tomogr** 1987 Jul;11(3):247–53

Combined computerized tomography and angiography in evaluation of hemorrhage into pancreatic pseudocysts. Bluett MK, et al. **South Med J** 1987 Feb;80(2):253–5

[Diagnostic imaging in the evaluation of hepatic cavernous hemangioma] Jia YC. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Dec;20(6):321–5 (Eng. Abstr.) **(Chi)**

[Diagnosis of degree of serosal invasion of carcinoma of the colon by angiography] Iijima T. **Nippon Geka Gakkai Zasshi** 1987 Jun;88(6):710–4 (Eng. Abstr.) **(Jpn)**

[Unfavorable effect of abdominal arteriography on obstructive jaundice] Okada Y, et al. **Nippon Geka Hokan** 1986 Jul 1;55(4):573–84 (Eng. Abstr.) **(Jpn)**

[Computed x-ray tomography and angiography in the diagnosis of pancreatic cancer] Itin AB, et al. **Klin Med (Mosk)** 1986 Oct;64(10):94–8 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Detection of acute gastrointestinal bleeding by intra-arterial Tc-99m sulfur colloid scintigraphy in a canine model. Preliminary study. Denham JS, et al. **Invest Radiol** 1987 Jan;22(1):37–40

SURGERY

Multiple mesenteric aneurysms complicating subacute bacterial endocarditis. Trevisani MF, et al. **Arch Surg** 1987 Jul;122(7):823–4

Transluminal angioplasty in the treatment of mesenteric vein graft stenosis. Howd A, et al. **Cardiovasc Intervent Radiol** 1987;10(1):43–5

Supraceliac aortomesenteric bypass for intestinal ischemia. Beebe HG, et al. **J Vasc Surg** 1987 May;5(5):749–54

The hypertrophic uncinate process of the pancreas wrapping the superior mesenteric vein and artery--a case report. Sugiura Y, et al. **Jpn J Surg** 1987 May;17(3):182–5

Celiac-superior mesenteric artery anastomosis in pancreatic transplantation: a new technique. Mittal VK, et al. **P R Health Sci J** 1986 Dec;5(3):137–8

Traumatic superior mesenteric arteriovenous fistula. A case report. du Toit DF, et al. **S Afr Med J** 1987 May 2; 71(9):587–8

[Reimplantation of the inferior mesenteric artery--a sensible measure in aneurysm surgery?] Kristen R, et al. **Vasa** 1987; 16(2):168–72 (Eng. Abstr.) **(Ger)**

[Variant of revascularization of the sigmoid colon] Andrianov AV. **Khirurgiia (Mosk)** 1987 May;(5):147 **(Rus)**

[Effect of periarterial denervation of the superior mesenteric artery on the functional status of the intestine in peritonitis and dynamic intestinal obstruction] Lutsenko SM, et al. **Klin Khir** 1987;(2):16–8 (Eng. Abstr.) **(Rus)**

MESENTERIC CIRCULATION see **SPLANCHNIC CIRCULATION**

MESENTERIC CYST

Mesenteric cysts. Sardi A, et al. **Am Surg** 1987 Jan; 53(1):58–60

[Pneumatosis cystoides intestinorum et mesenterii. Case report] Vojnika J, et al. **Acta Chir Iugosl** 1986;33(1):89–94 (Eng. Abstr.) **(Scr)**

COMPLICATIONS

Mesenteric chylous cyst associated with Crohn's disease. Pomper SR, et al. **Am J Gastroenterol** 1987 Aug; 82(8):798–801

Obstruction and gangrene of bowel with perforation due to a mesenteric cyst in a newborn. Kovalivker M, et al. **J Pediatr Surg** 1987 Apr;22(4):377–8

DIAGNOSIS

Mesenteric cysts. Sharma VP, et al. **J Indian Med Assoc** 1986 Jun;84(6):185–7

Mesenteric cyst. Caldarola V, et al. **NY State J Med** 1987 Mar;87(3):177–9

Mesenteric cysts. Caropreso P. **NY State J Med** 1987 Mar; 87(3):140–1

Mesenteric and omental cysts: histologic classification with imaging correlation. Ros PR, et al. **Radiology** 1987 Aug; 164(2):327–32

[Cysts of the mesenterium. Clinical, differential diagnostic aspects and contribution of the various radiologic and instrumental methods] Cione R, et al. **Minerva Dietol Gastroenterol** 1986 Oct-Dec;32(4):397–401 (Eng. Abstr.) **(Ita)**

[A case of cystic duplication of the intestine. Prenatal diagnosis and treatment] Candussi G, et al. **Minerva Ginecol** 1987 Mar;39(3):135–40 (Eng. Abstr.) **(Ita)**

[Description of a case of cysts of the mesenterium diagnosed by echography] Carli S, et al. **Radiol Med (Torino)** 1987 Jul-Aug;74(1–2):130–1 **(Ita)**

[Rupture of a cyst of small intestinal mesentery simulating postoperative peritonitis] Salimzhanov NN, et al. **Khirurgiia (Mosk)** 1987 Jun;(6):127 **(Rus)**

PATHOLOGY

Urogenital mesenteric cyst with fallopian tubal features. Harpaz N, et al. **Arch Pathol Lab Med** 1987 Jan; 111(1):78–80

Mesenteric cyst-ovarian implant syndrome. Payan HM, et al. **Arch Pathol Lab Med** 1987 Mar;111(3):282–4

A rare presentation of mesenteric cyst. Agrawal OP. **J Indian Med Assoc** 1987 Jan;85(1):20–1

[Mesenteric cysts] Cherviak PI, et al. **Vestn Khir** 1986 Oct; 137(10):62–3 **(Rus)**

[Giant mesenteric cysts of the small intestine] Kudriavtsev ZP, et al. **Vestn Khir** 1986 Oct;137(10):61–2 **(Rus)**

RADIOGRAPHY

Calcified mesenteric cyst mimicking obstructing ureteral calculus. Schwarzman MI. **Urology** 1987 Feb;29(2):227

MESENTERIC LYMPHADENITIS

DIAGNOSIS

Mesenteric adenitis and acute terminal ileitis: US evaluation using graded compression. Puylaert JB. **Radiology** 1986 Dec;161(3):691–5

[Acute nonspecific mesenteric lymphadenitis in children] Neikov GN, et al. **Klin Khir** 1987;(6):42–3 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Fibrinogen/fibrin deposits in mesenteric lymphadenitis due to Yersinia pseudotuberculosis type I: morphologic, immunohistochemical and electron microscopic studies of one case. Caruso R. **Basic Appl Histochem** 1986; 30(3):333–41

PATHOLOGY

[Necrosing lymphadenitis and other histological disorders in typhoid fever] Domínguez Malagón HR. **Rev Gastroenterol Mex** 1987 Apr-Jun;52(2):83–7 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Mediastinal tuberculous lymphadenitis: CT manifestations. Im JG, et al. **Radiology** 1987 Jul;164(1):115–9

MESENTERIC VASCULAR OCCLUSION

Mesenteric venous thrombosis--1911 to 1984. Abdu RA, et al. **Surgery** 1987 Apr;101(4):383–8

BLOOD

Protein C deficiency in splanchnic venous thrombosis. Green D, et al. **Am J Med** 1987 Jun;82(6):1171–4

Effect of corticosteroid prophylaxis on lipopolysaccharide levels associated with intestinal ischemia in cats. Gaffin SL, et al. **Crit Care Med** 1986 Oct;14(10):889–91

CHEMICALLY INDUCED

Mesenteric thrombosis associated with oral contraceptives. Collier TM, et al. **Angiology** 1975 Jul-Aug;26(7):518–20

Mesenteric venous thrombosis associated with pregnancy and oral contraception. A case report. Graubard ZG, et al. **S Afr Med J** 1987 Apr 4;71(7):453

COMPLICATIONS

Small bowel infarction and death from primary mesenteric venous thrombosis. Slutzker DM, et al. **Am J Emerg Med** 1987 Mar;5(2):126–9

Chronic mesenteric vascular insufficiency with gastric ulceration. Cherry RD, et al. **Gastroenterology** 1986 Dec; 91(6):1548–52

Chronic ischemic gastritis reversed after revascularization operation. Højgaard L, et al. **Gastroenterology** 1987 Jan; 92(1):226–8

[Acute intestinal ischemia of vascular origin: its pathomechanism and diagnostic possibilities] Hartleb M. **Pol Tyg Lek** 1986 Aug 18;41(33):1027–9 (Eng. Abstr.) **(Pol)**

[Various problems of the clinical course and pathogenesis of abdominal angina in arteriosclerosis] Abulov MKh, et al. **Klin Med (Mosk)** 1987 Jan;65(1):76–81 (Eng. Abstr.) **(Rus)**

[Intestinal infarct in occlusive lesions of the inferior mesenteric artery] Gagarin VV. **Klin Med (Mosk)** 1986 Oct; 64(10):53–7 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Paradoxical embolism to the superior mesenteric artery. Edoga JK, et al. **Clin Cardiol** 1987 Jan;10(1):54–6

The use of tonometry in the early diagnosis of mesenteric ischemia. Poole JW, et al. **Curr Surg** 1987 Jan–Feb; 44(1):21–4

Massive colonic dilatation as initial presentation of mesenteric vein thrombosis. Roman RJ, et al. **Dig Dis Sci** 1987 Mar; 32(3):323–6

Laparoscopic diagnosis of mesenteric venous thrombosis. Serreyn RF, et al. **Endoscopy** 1986 Nov;18(6):249–50

Mesenteric vein thrombosis: early CT and US diagnosis and conservative management. Matos C, et al. **Gastrointest Radiol** 1986;11(4):322–5

Nontraumatic mesenteric vascular emergencies. Bergan JJ, et al. **J Vasc Surg** 1987 Jun;5(6):903–9

Chronic intestinal ischemia: diagnosis and therapy. Stanton PE Jr, et al. **J Vasc Surg** 1986 Oct;4(4):338–44

[Acute mesenteric vascular occlusion] Oehy K, et al. **Vasa** 1986;15(4):412–5 (Eng. Abstr.) **(Ger)**

[Approach to early diagnosis of acute mesenteric ischemia: evaluation in canine model] Kido K, et al. **Nippon Geka Gakkai Zasshi** 1986 Oct;87(10):1352–8 (Eng. Abstr.) **(Jpn)**

[Infarct of the intestines] Davydov IuA, et al. **Sov Med** 1986; (11):78–81 **(Rus)**

[Clinical variants of the course of chronic abdominal ischemia in mesenteric atherosclerosis] Abulov MKh, et al. **Ter Arkh** 1986;58(11):119–22 **(Rus)**

DRUG THERAPY

Glucagon use in mesenteric ischemia [letter] Roark KM, et al. **Drug Intell Clin Pharm** 1987 Jul–Aug;21(7–8):660–1

[Fibrinolytic therapy in mesenteric venous thrombosis: experimental study in rats] Uccheddu A, et al. **Chir Patol Sper** 1984 Dec;32(6):243–8 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Acute mesenteric ischaemia caused by Schistosoma mansoni infection. Anayi S, et al. **Br Med J [Clin Res]** 1987 May 9;294(6581):1197

Painless mesenteric infarction in patient with diabetes mellitus [letter] Selby CD, et al. **Diabetes Care** 1987 Mar–Apr; 10(2):259–60

Mesenteric vein thrombosis as presenting manifestation of hereditary protein S deficiency. Brockmans AW, et al. **Gastroenterology** 1987 Jan;92(1):240–2

Vascular compromise in chronic volvulus with midgut malrotation. Mori H, et al. **Pediatr Radiol** 1987;17(4):277–81

Surgical significance of vascular changes in chronic pancreatitis. Hofer BO, et al. **Surg Gynecol Obstet** 1987 Jun;164(6):499–505

Effects of vascular constriction on occlusive thrombus formation of rat mesenteric artery. Araki H, et al. **Thromb Res** 1986 Oct 1;44(1):39–45

[Mesenteric venous infarct in familial antithrombin III deficiency] Duchêne P, et al. **Cah Anesthesiol** 1986 Aug–Sep;34(5):425–8 **(Fre)**

[Redistribution of erythrocytes in the rat mesenteric microcirculation during reperfusion following short-term ischemia] Khugaeva VK. **Biull Eksp Biol Med** 1986 Nov; 102(11):539–42 (Eng. Abstr.) **(Rus)**

METABOLISM

In vivo noninvasive observation of acute mesenteric ischemia in rats. Blum H, et al. **Surg Gynecol Obstet** 1987 May; 164(5):409–14

PATHOLOGY

31P magnetic resonance spectroscopy of mesenteric ischemia. Kass DA, et al. **Magn Reson Med** 1987 Jan;4(1):83–7

[Case of hyperosmolar coma combined with mesenteric thrombosis] Dobrev D, et al. **Vutr Boles** 1987;26(1):105–6 **(Bul)**

[Mesenteric venous thrombosis: experimental study and natural history in the rat] Murgia C, et al. **Chir Patol Sper** 1984 Aug;32(4):167–77 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Hemodynamic basis of the pain of chronic mesenteric ischemia. Poole JW, et al. **Am J Surg** 1987 Feb;153(2):171–6

Use of trans-serosal PO2 to determine intestinal viability in acute mesenteric vascular occlusion. Lim KH, et al. **Curr Surg** 1987 May–Jun;44(3):232–5

Importance of collateral circulation in the vascularly occluded feline intestine. Premen AJ, et al. **Gastroenterology** 1987 May;92(5 Pt 1):1215–9

PREVENTION & CONTROL

[Inhibition of the formation of platelet thrombus by molsidomine and SIN-1 in the mesenteric vessels rats] Breddin HK, et al. **Pathol Biol (Paris)** 1987 Feb;35(2 Pt 2):223–5 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Persistent mesenteric ischemia in a young woman. Scolding NJ, et al. **Br Med J [Clin Res]** 1987 May 30; 294(6584):1384–5

Focal pancreatitis and superior mesenteric vein thrombosis. Loveless S, et al. **J Tenn Med Assoc** 1987 Jul;80(7):423–4

SURGERY

The hypertropiic uncinate process of the pancreas wrapping the superior mesenteric vein and artery—a case report. Sugiura Y, et al. **Jpn J Surg** 1987 May;17(3):182–5

[Mesenteric infarction. 17-year retrospective study] Clavien PA, et al. **Schweiz Med Wochenschr** 1986 Jul 19; 116(29):977–81 (Eng. Abstr.) **(Fre)**

[Successful embolectomy without intestinal resection in acute occlusion of the superior mesenteric artery] Oehy K, et al. **Chirurg** 1987 Jan;58(1):53–4 **(Ger)**

THERAPY

Transluminal angioplasty of superior mesenteric artery and celiac trunk. Wilms G, et al. **Ann Radiol (Paris)** 1986; 29(6):535–8

Successful pregnancy outcome using total parenteral nutrition from the first trimester of pregnancy. Lipkin EW, et al. **JPEN J Parenter Enteral Nutr** 1986 Nov–Dec; 10(6):665–9

Treatment of experimental mesenteric shock by different fluids. Hamar J, et al. **Prog Clin Biol Res** 1987;236B:205–8

A comparison between fructose 1,6-diphosphate, glucose, or normal saline infusions and species-specific blood exchange transfusions in the treatment of bowel ischemia. Sawchuk A, et al. **Surgery** 1986 Oct;100(4):665–70

[Intraluminal angioplasty of atheromatous stenoses of gastrointestinal arteries] Mani J, et al. **Ann Radiol (Paris)** 1986;29(7):589–92 (Eng. Abstr.) **(Fre)**

[Percutaneous transluminal angioplasty in angina abdominis] Lupattelli L, et al. **Radiol Med (Torino)** 1987 Jul–Aug; 74(1–2):30–3 (Eng. Abstr.) **(Ita)**

[Recovery of a patient with thrombosis of the mesenteric vessels following an exploratory laparotomy] Andreitsev AN, et al. **Klin Khir** 1987;(2):41–2 **(Rus)**

[Use of intestinal lavage, enteral oxygenation and hemosorption in the treatment of acute disorders of the mesenteric blood supply] Gagarin VV, et al. **Klin Khir** 1987; (2):41 **(Rus)**

MESENTERIC VEINS

Traumatic mesenteric arteriovenous fistula presenting as the superior mesenteric artery syndrome. Reed JK, et al. **Arch Surg** 1986 Oct;121(10):1209

Laparoscopic diagnosis of mesenteric venous thrombosis. Serreyn RF, et al. **Endoscopy** 1986 Nov;18(6):249–50

Mesenteric venous thrombosis: is upper gastrointestinal endoscopy useful? [letter] Mortara G, et al. **Gastrointest Endosc** 1986 Dec;32(6):431–2

Aneurysm of the superior mesenteric vein. Crolla D, et al. **J Belge Radiol** 1986;69(6):447–9

CT findings in acute thrombosis of superior mesenteric vein aneurysm. Wise RH Jr, et al. **J Comput Assist Tomogr** 1987 Jan–Feb;11(1):172–4

Ultrasound as first imaging modality in superior mesenteric and portal vein thrombosis. Freling NJ, et al. **JCU** 1986 Sep;14(7):554–7

Mesenteric venous thrombosis—1911 to 1984. Abdu RA, et al. **Surgery** 1987 Apr;101(4):383–8

Use of recipient mesenteric vessels for revascularization of segmental pancreas grafts: technical and metabolic considerations. Sutherland DE, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2300–4

ABNORMALITIES

[An unusual form of chronic vasomesenteric duodenal obstruction] Betaneli AM, et al. **Vestn Khir** 1986 Sep; 137(9):78–9 **(Rus)**

ANATOMY & HISTOLOGY

Sonographic evaluation of liver, spleen, and splanchnic vessels following partial liver resection. Zoli M, et al. **J Ultrasound Med** 1986 Oct;5(10):563–7

Topological structure of rat mesenteric microvessel networks. Ley K, et al. **Microvasc Res** 1986 Nov; 32(3):315–32

DRUG EFFECTS

The effect of BW 755C and nordihydroguaiaretic acid in the rat isolated perfused mesenteric vasculature. Stanton BJ, et al. **Prostaglandins Leukotrienes Med** 1986 Dec; 25(2–3):199–207

INNERVATION

Activation of mesenteric arteries and veins by preganglionic and postganglionic nerves. Kreulen DL. **Am J Physiol** 1986 Dec;251(6 Pt 2):H1267–75

PATHOLOGY

Midgut malrotation diagnosed by ultrasound [letter] Nichols DM, et al. **Clin Radiol** 1987 Jul;38(4):455

[Hyperacidification-induced, clear appearance of venules caused by the swelling of erythrocytes in microcirculation] von Ardenne M, et al. **Folia Haematol (Leipz)** 1987; 114(2):273–81 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Mechanical, morphological and pharmacological properties of oesophageal varices and small mesenteric veins in portal hypertensive rabbits. Jensen LS, et al. **Acta Physiol Scand** 1987 Aug;130(4):649–56

Venous mechanoreceptor input to neurones in the inferior mesenteric ganglion of the guinea-pig. Keef KD, et al. **J Physiol (Lond)** 1986 Aug;377:49–59

RADIOGRAPHY

Recognition and clinical implications of mesenteric and portal vein obstruction in chronic pancreatitis. Warshaw AL, et al. **Arch Surg** 1987 Apr;122(4):410–5

[A case of post-operative hepatopetal mesenteric varices diagnosed by angiography] Takemura T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct;83(10):2248–53 **(Jpn)**

SURGERY

Mesoatrial shunt for the treatment of Budd–Chiari syndrome: radiologic evaluation in eight patients. Chezmar JL, et al. **AJR** 1987 Oct;149(4):707–10

Duodenal erosion caused by a mesocaval graft. Goldschmid S, et al. **Gastrointest Endosc** 1986 Dec;32(6):412–4

Colonic varices as a complication of colonic surgery. Arbona JL, et al. **Gastrointest Radiol** 1987;12(4):350–2

Drapanas shunt using a spiral saphenous vein graft. Kaufman BH, et al. **J Pediatr Surg** 1987 Jan;22(1):3–6

The hypertrophic uncinate process of the pancreas wrapping the superior mesenteric vein and artery—a case report. Sugiura Y, et al. **Jpn J Surg** 1987 May;17(3):182–5

Mesoatrial shunts for Budd–Chiari syndrome and inferior vena cava thrombosis: angiographic and hemodynamic evaluations. Redmond PL, et al. **Radiology** 1987 Apr; 163(1):131–4

[An apparently primary Budd–Chiari syndrome, with inferior cava compression, treated by a mesenteric-caval anastomosis] Yandza T, et al. **Ann Chir** 1986 Apr; 40(3):215–8 (Eng. Abstr.) **(Fre)**

MESENTERY

Mesenteric desmoid tumor presenting as an abdominal mass following salvage cystectomy for invasive bladder cancer. Pasciak RM, et al. **J Urol** 1987 Jul;138(1):145–6

Inflammatory pseudotumour or retractile mesenteritis. van den Wall Bake AW, et al. **Neth J Med** 1987 Jun; 30(5–6):281–6

Primary peritoneal, omental, and mesenteric tumors in childhood. Gonzalez-Crussi F, et al. **Semin Diagn Pathol** 1986 May;3(2):122–37

A case of fibromatosis in a six year old with coarctation of the aorta. Wong KY, et al. **Singapore Med J** 1986 Dec; 27(6):544–7

Mesenteric panniculitis mimicking acute abdomen in a 4-year-old child. Cakmak O, et al. **Z Kinderchir** 1986 Oct; 41(5):313–4

[Mesenteric lymphangioma in a child with acute anemia] Lanning M, et al. **Duodecim** 1987;103(2):92–4 **(Fin)**

[Mesenteric fibrosis] Guillevin L, et al. **Chirurgie** 1986; 112(5):383–6 (Eng. Abstr.) **(Fre)**

[Eosinophilic polyserositis and retractile mesenteritis. An unusual case (letter)] Gosset D, et al. **Presse Med** 1987 May 16;16(18):918 **(Fre)**

[Solitary extra-bone marrow plasmacytoma. Computerized tomography description of a case of mesenterico-ileal localization associated with gastric carcinoma] Di Prima F, et al. **Radiol Med (Torino)** 1987 Jun;73(6):584–6 **(Ita)**

[A case of mesenteric gastrinoma identified six years after the diagnosis of Zollinger-Ellison syndrome] Higashimoto Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jun; 83(6):1214–20 **(Jpn)**

[Liposarcoma of rare localization diagnosed as ovarian tumor] Iaremchuk AIa, et al. **Khirurgiia (Mosk)** 1986 Sep; (9):124–6 **(Rus)**

[Emergency surgical treatment of complicated cysts of the mesentery of the small intestine] Skripnichenko DF, et al. **Klin Khir** 1987;(2):45 **(Rus)**

[Clinical variants of disorders in mesenteric lymph outflow] Lokhvitskil SV, et al. **Vestn Khir** 1986 Jul;137(7):56–9 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

[An unusual cause of near-miss sudden death in infants: intermittent volvulus of the small intestine on the

mesenterium commune] Thibaud D, et al. **Arch Fr Pediatr** 1986 Aug-Sep;43(7):503-4 (Eng. Abstr.) **(Fre)**

[Congenital defect of the sigmoid mesentery as a cause of the development of early postoperative obstruction of the large intestine] Baramiia NN, et al. **Klin Khir** 1987;(4):63 **(Rus)**

[Strangulation and torsion of loops of a small intestine with congenital gaps in its mesentery] Denisenko NV, et al. **Klin Khir** 1987;(2):37 **(Rus)**

ANATOMY & HISTOLOGY

Normal anatomy and pathologic changes of the small bowel mesentery: US appearance. Derchi LE, et al. **Radiology** 1987 Sep;164(3):649-52

BLOOD SUPPLY

Effect of dietary cholesterol on the release of prostacyclin from the mesenteric vascular bed in diabetic rat. Fujii K, et al. **Diabete Metab** 1987 Apr;13(2):87-91

Pharmacological characterization of neuronal dopamine receptors in the rat hindquarters, renal and superior mesenteric vascular beds. Dupont AG, et al. **J Auton Pharmacol** 1986 Dec;6(4):305-9

Chemical renal medullectomy prevents frusemide-induced inhibition of sympathetic vasoconstriction in the in situ blood perfused rat mesentery. Gerkens JF, et al. **J Hypertens** 1987 Jun;5(3):273-5

Effects of leukotrienes B4, C4, and D4 on rat mesenteric microcirculation. Michelassi F, et al. **J Surg Res** 1987 May; 42(5):475-82

Presynaptic alpha 2-adrenoceptor mediated regulation of norepinephrine release in perfused mesenteric vasculatures in young and adult spontaneously hypertensive rats. Tsuda K, et al. **Jpn Circ J** 1987 Jan;51(1):25-32

Topological structure of rat mesenteric microvessel networks. Ley K, et al. **Microvasc Res** 1986 Nov; 32(3):315-32

Mast-cell-mediated angiogenesis: a novel experimental model using the rat mesentery. Norrby K, et al. **Virchows Arch [B]** 1986;52(3):195-206

[Mesenterial anemia as a cause of jogging anemia?] Kehl O, et al. **Schweiz Med Wochenschr** 1986 Jul 19;116(29):974-6 (Eng. Abstr.) **(Ger)**

[Effect of interstitial factors on parameters regulating fluid transport through the walls of the mesenteric vessels of the cat] Banin VV. **Fiziol Zh SSSR** 1986 Sep;72(9):1213-22 (Eng. Abstr.) **(Rus)**

[Age and changes in the hematocrit in the mesenteric capillaries of the white rat] Kistanova EK, et al. **Fiziol Zh SSSR** 1987 Jan;73(1):97-102 (Eng. Abstr.) **(Rus)**

[Intrinsic and mesenteric hemodynamics of the hollow organs of the abdominal cavity of patients with blood loss during general anesthesia] Nazipov AA. **Klin Khir** 1987;(2):61-2 **(Rus)**

[Blood microcirculatory pathways in death from acute arterial blood loss] Shilin AV. **Sud Med Ekspert** 1987 Jan-Mar;30(1):9-12 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Isolation and sensitivity of human mesenteric mast cells to immunological and nonimmunological histamine releasers. Brzezińska-Błaszczyk E, et al. **Agents Actions** 1987 Apr; 20(3-4):226-8

Acid phosphatase activity during maturation of rat mesentery mast cells. Jamur MC, et al. **Cell Mol Biol** 1987;33(1):69-72

Effects of degranulation of mast cells on proliferation of mesenchymal cells in the mesentery of mice. Hatanaka K, et al. **Cell Tissue Res** 1986;246(1):53-6

[Isolation and ultrastructural characteristics of human mesenteric connective tissue mast cells] Koizumi S. **Arerugi** 1987 Mar;36(3):155-61 (Eng. Abstr.) **(Jpn)**

EMBRYOLOGY

[Ultrastructure of mesenteric lymphatic postcapillaries of the small intestine of the human fetus] Bobrik II, et al. **Arkh Anat Gistol Embriol** 1986 Aug;91(8):23-7 (Eng. Abstr.) **(Rus)**

INJURIES

Computed tomography in the diagnosis of blunt intestinal and mesenteric injuries. Donohue JH, et al. **J Trauma** 1987 Jan;27(1):11-7

INNERVATION

Effects of atrial natriuretic factor on noradrenergic neurotransmission in vivo in the rat mesentery. Herzer WA, et al. **J Cardiovasc Pharmacol** 1987 Jan;9(1):125-8

[Adrenergic innervation of the suspensory apparatus of the ovaries in swine] Szteyn S, et al. **Pol Arch Weter** 1984; 24(2):275-80 (Eng. Abstr.) **(Pol)**

METABOLISM

[Method of evaluating the concentration of biogenic amines in tissue basophils in histologic preparations] Datsenko AV, et al. **Arkh Anat Gistol Embriol** 1986 Aug;91(8):80-2 **(Rus)**

PATHOLOGY

Sclerosing mesenteritis in a child [letter] Jona JZ, et al. **Arch Surg** 1987 Jun;122(6):735

Ectopic adrenal cortical nodules in the mesorchium of New Zealand white rabbits. Chen HH. **Lab Anim Sci** 1986 Oct; 36(5):537-8

[Fibrosis of the mesenterium in Gardner's syndrome] Lamiquiz Vallejo A, et al. **Rev Esp Enferm Apar Dig** 1987 Apr;71(4):353-7 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Retractile mesenteritis involving the colon: barium enema, sonographic, and CT findings. Pérez-Fontán FJ, et al. **AJR** 1986 Nov;147(5):937-40

Mesenteric desmoid tumor: differential diagnosis with computed tomography. Dunn T, et al. **J Am Osteopath Assoc** 1987 Apr;87(4):314-7

Computed tomography of lymphomatous involvement of mesenteric nodes. Cole SM. **Radiography** 1986 Nov-Dec; 52(606):299-301

The peritoneal ligaments and mesenteries: pathways of intraabdominal spread of disease. Meyers MA, et al. **Radiology** 1987 Jun;163(3):593-604

SURGERY

Use of the ultrasonic aspirator to strip the mesentery in construction of the continent ileostomy. Harford FJ Jr. **Dis Colon Rectum** 1987 Sep;30(9):736

TRANSPLANTATION

Morphology and fibrinolytic activity of canine autogenous mesothelium used as venous substitute. Louagie Y, et al. **Res Exp Med (Berl)** 1986;186(4):239-47

ULTRASTRUCTURE

Morphological aspects and observations about the permeability of the rat mesentery to the osmium-amine. König B Jr, et al. **Anat Anz** 1987;163(4):337-47

MESIAL MOVEMENT OF TEETH see under **TOOTH MIGRATION**

MESILATE, ETHYL see **ETHYL METHANESULFONATE**

MESILATE, METHYL see **METHYL METHANESULFONATE**

MESMERISM see **HYPNOSIS**

MESOCESTOIDES see under **CESTODA**

MESOCOLON

[Malignant mesenchymoma of the mesocolon] Ashizawa K, et al. **Gan No Rinsho** 1987 Mar;33(3):317-21 (Eng. Abstr.) **(Jpn)**

[Computed tomography of liposarcoma originating in the pelvic mesocolon] Yasuno M, et al. **Rinsho Hoshasen** 1986 Sep;31(9):1065-7 (Eng. Abstr.) **(Jpn)**

INJURIES

[Reinfusion of blood following injury of the mesocolon with massive blood loss] Baramiia NN, et al. **Klin Khir** 1987; (2):47-8 **(Rus)**

PATHOLOGY

[Mesocolonic liposclerosis: isolated lesion of the mesocolon?] Gugenheim J, et al. **Ann Chir** 1986 Jun;40(5):329-32 (Eng. Abstr.) **(Fre)**

MESOCRICETUS see under **HAMSTERS**

MESODERM

Fishman's syndrome (encephalocraniocutaneous lipomatosis): a field defect of ectomesoderm. Brumback RA, et al. **J Child Neurol** 1987 Jul;2(3):168-9

ANALYSIS

Proto-oncogene c-fos expression in growth regions of fetal bone and mesodermal web tissue. Dony C, et al. **Nature** 1987 Aug 20-26;328(6132):711-4

CYTOLOGY

The formation of mesoderm and mesectoderm in presomite rat embryos cultured in vitro, using WGA-Au as a marker. Smits-van Prooije AE, et al. **Anat Embryol (Berl)** 1987; 176(1):71-7

Bipolar mesoderm cells in vitro examined by scanning electron microscopy. Chamorro CA, et al. **Anat Histol Embryol** 1987 Mar;16(1):48-52

Partial isolation and characterization of a chemotactic factor from adult bovine bone for mesenchymal cells. Lucas PA, et al. **Bone** 1986;7(5):365-71

Stimulation in cell culture of mesenchymal cells of newt limb blastemas by EDGF I or II (basic or acidic FGF). Albert P, et al. **Cell Differ** 1987 Jun;21(1):63-8

Inhibition of polyamine synthesis reduces the growth rate and delays the expression of differentiated phenotypes in primary cultures of embryonic mesoderm from chick. Löwkvist B, et al. **Cell Tissue Res** 1987 Jul;249(1):151-60

The regulation of primary mesenchyme cell migration in the sea urchin embryo: transplantations of cells and latex beads. Ettensohn CA, et al. **Dev Biol** 1986 Oct;117(2):380-91

Separation of the myogenic and chondrogenic progenitor cells of undifferentiated limb mesenchyme. Kosher RA, et al. **Dev Biol** 1987 Jun;121(2):376-88

Difference between the distribution of the proliferative activity of neuroglial and mesodermal cells within the dorsal part of the rat cerebral hemisphere during postnatal development. Janeczko K. **Folia Biol (Krakow)** 1987; 35(1-2):13-22

Human dentin matrix induces cartilage formation in vitro by mesenchymal cells derived from embryonic muscle. Somerman MJ, et al. **J Dent Res** 1987 Oct;66(10):1551-8

Mechanisms of cell adhesion in epithelial-mesenchymal transformations. Crossin KL, et al. **Prog Clin Biol Res** 1986; 226:81-92 (20 ref.)

Hormonal and non-hormonal features of selected epithelial-mesenchymal interactions during development. Slavkin HC, et al. **Prog Clin Biol Res** 1986;226:93-102 (36 ref.)

[Studies on cell number and mesoderm induction] Jiang WS. **Shih Yen Sheng Wu Hsueh Pao** 1986 Sep;19(3):345-53 (Eng. Abstr.) **(Chi)**

EMBRYOLOGY

Epithelial-mesenchymal tissue interactions guiding otic capsule formation: the role of the otocyst. McPhee JR, et al. **J Embryol Exp Morphol** 1986 Sep;97:1-24

METABOLISM

Cyclic AMP inhibits the release of prostaglandins and arachidonic acid from cultures of mouse embryo palate mesenchyme cells. Chabot MC, et al. **J Craniofac Genet Dev Biol** 1986;6(3):223-34

Effect of glucocorticoid on glycosaminoglycans synthesis in cultured mouse embryonic palatal mesenchymal cells. Yoshikawa H, et al. **J Craniofac Genet Dev Biol** 1986; 6(3):235-44

Changes in the transferrin requirement of cultured chick embryo mesoderm cells during early differentiation. Sanders EJ. **J Embryol Exp Morphol** 1986 Jun;95:81-93

Androgen-induced biochemical responses in epithelium lacking androgen receptors: characterization of androgen receptors in the mesenchymal derivative of urogenital sinus. Thompson TC, et al. **J Steroid Biochem** 1986 Nov; 25(5A):627-34

Purification of mesodermal inducing substance and protein synthesis using this material. Asashima M, et al. **Prog Clin Biol Res** 1986;226:55-66

PATHOLOGY

Malignant fibrous histiocytoma. Evidence of perivascular mesenchymal cell origin immunocytochemical studies with monoclonal anti-MFH antibodies. Iwasaki H, et al. **Am J Pathol** 1987 Sep;128(3):528-37

Mesenchyme remaining in temporal bones from patients with congenital anomalies. A quantitative histopathologic study. Takahara T, et al. **Ann Otol Rhinol Laryngol** 1987 May-Jun;96(3 Pt 1):333-9

PHYSIOLOGY

Observations on the migration and differentiation of neural crest cells in somite extirpated salamander larvae. Hirano S. **Arch Histol Jpn** 1986 Aug;49(3):309-20

Molecular approaches to the study of mesoderm formation in amphibians. Brennan S. **Bioessays** 1987 Feb;6(2):52-7 (27 ref.)

Antibodies to a fusion protein identify a cDNA clone encoding msp130, a primary mesenchyme-specific cell surface protein of the sea urchin embryo. Leaf DS, et al. **Dev Biol** 1987 May;121(1):29-40

Metabolically inactive 3T3 cells can substitute for marrow stromal cells to promote the proliferation and development of multipotent haemopoietic stem cells. Roberts RA, et al. **J Cell Physiol** 1987 Aug;132(2):203-14

Origins and patterning of craniofacial mesenchymal tissues. Noden DM. **J Craniofac Genet Dev Biol [Suppl]** 1986; 2:15-31

Evidence for the transmission of dorsoventral information to the ectoderm during the earliest stages of limb development. Geduspan JS, et al. **Prog Clin Biol Res** 1986; 226:115-26

PHYSIOPATHOLOGY

[Functional mesenchymal indices in peptic ulcer] Virsaladze KS. **Ter Arkh** 1987;59(5):82-3 (Eng. Abstr.) **(Rus)**

SECRETION

Purification of an insulin-related factor secreted by a teratoma-derived mesodermal cell line. Yamada Y, et al. **J Biol Chem** 1987 Jan 5;262(1):209-13

ULTRASTRUCTURE

Surface morphology of the human yolk sac: endoderm and mesothelium. Ukeshima A, et al. **Arch Histol Jpn** 1986 Oct; 49(4):483-94

MESONEPHROMA

ANALYSIS

A rat monoclonal antibody 4D7 produced by a hybridoma established from a yolk-sac tumor-bearing rat binds selectively to the stage-specific embryonic antigen SSEA-1. Lindvall ML, et al. **Int J Cancer** 1987 Jul 15; 40(1):94–8

[Radioimmunoimaging of AFP-producing tumors, CEA-producing tumors and ovarian cancers] Zhu XM, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1987 Apr;9(2):140–3 (Eng. Abstr.) **(Chi)**

COMPLICATIONS

[Embryonal rhabdomyosarcoma and vitelline sac tumor in a child: simultaneous or sequential?] Rasore-Quartino A, et al. **Pathologica** 1985 Nov-Dec;77(1052):639–45 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

The differential diagnosis of yolk sac tumor and seminoma. Usefulness of cytokeratin, alpha-fetoprotein, and alpha-1-antitrypsin immunoperoxidase reactions. Eglen DE, et al. **Am J Clin Pathol** 1987 Sep;88(3):328–32

Endodermal sinus tumor in a 14-year-old girl. Boyce LC, et al. **Henry Ford Hosp Med J** 1986;34(2):132–3

Histopathological diagnosis of vaginal endodermal sinus tumors in infants. Liebhart M. **Int J Gynecol Pathol** 1986; 5(3):217–22

[Tumors of germinal cells of the mediastinum. Presentation of 11 cases and review of the literature] Palacios J, et al. **Rev Clin Esp** 1987 Feb;180(3):125–31 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Intracranial endodermal sinus tumour--role for chemotherapy. Anderson BA. **Can J Neurol Sci** 1987 May; 14(2):166–71

Selective in vitro and in vivo growth inhibition against human yolk sac tumor cell lines by purified antibody against human alpha-fetoprotein conjugated with mitomycin C via human serum albumin. Ohkawa K, et al. **Cancer Immunol Immunother** 1986;23(2):81–6

Cisplatin, vinblastine, and bleomycin combination chemotherapy in endodermal sinus tumor of the ovary. Sessa C, et al. **Obstet Gynecol** 1987 Aug;70(2):220–4

[VAB-3 chemotherapy of endodermal sinus tumor of the ovary] Goto Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1987 Feb 20;22(1):75–80 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Effects of major histocompatibility complex (RT1) and timing of fetectomy upon experimental induction of yolk sac tumor, choriocarcinoma, and teratomas in the rat. Nakamura K, et al. **Jpn J Cancer Res** 1986 Sep;77(9):877–81

IMMUNOLOGY

Appearance of serum antibodies to rat yolk-sac carcinomas during the latent period prior to primary tumor development. Lindvall ML, et al. **Int J Cancer** 1987 Jul 15;40(1):99–103

Monoclonal antibodies with fine specificities distinguishing alpha-fetoproteins of hepatoma and yolk sac tumor origin. Kitagawa H, et al. **Jpn J Cancer Res** 1986 Oct; 77(10):1012–7

PATHOLOGY

Endodermal sinus tumor (yolk sac tumor) of the ear. Stanley RJ, et al. **Arch Otolaryngol Head Neck Surg** 1987 Feb; 113(2):200–3

Intrapericardial yolk sac tumor in an infant girl. Nelson E, et al. **Cancer** 1987 Oct 1;60(7):1567–9

Germ cell tumors (germinoma and yolk sac tumor) in unusual sites in the brain. Masuzawa T, et al. **Clin Neuropathol** 1986 Sep-Oct;5(5):190–202

Rapidly growing yolk sac tumor of the ovary in a lactating patient. Sacchi S, et al. **Eur J Gynaecol Oncol** 1987; 8(2):130–2

Induction of yolk-sac tumors in the pregnant rat. Vandeputte M, et al. **Eur J Obstet Gynecol Reprod Biol** 1975; 5(1-2):155–9

Establishment and characterization of a human ovarian endodermal sinus tumor cell line--producing specific type of alpha-fetoprotein subfraction. Ishiwata I, et al. **Gynecol Oncol** 1986 Nov;25(3):281–93

Cervical adenocarcinoma arising in florid mesonephric hyperplasia: report of a case with immunocytochemical studies. Valente PT, et al. **Gynecol Oncol** 1987 May; 27(1):58–68

Yolk sac carcinoma. Tumor Board of the Children's Hospital of Philadelphia [clinical conference] **Med Pediatr Oncol** 1987;15(2):96–101

[A case of primary retroperitoneal tumor with combined histologic features of embryonal carcinoma and yolk sac tumor] Oda N, et al. **Gan No Rinsho** 1987 Mar;33(3):311–6 (Eng. Abstr.) **(Jpn)**

[Primary intracranial endodermal sinus tumor with intracranial and spinal metastases. Case report and review of literature] Ihara T, et al. **Neurol Med Chir (Tokyo)** 1986 Jun;26(6):501–9 (43 ref.) (Eng. Abstr.) **(Jpn)**

[Morphology and histogenesis of yolk sac tumors in the testis] Romanenko AM, et al. **Arkh Patol** 1987;49(2):51–7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Endodermal sinus tumor of the pineal region presenting with a radicular pain. Ferraresi S, et al. **Eur Neurol** 1986; 25(6):458–60

RADIOGRAPHY

Mesonephric hamartoma of the seminal vesicle: a rare cause of a retrovesical mass. Kinas H, et al. **NY State J Med** 1987 Jan;87(1):48–9

THERAPY

Delivery following removal and chemotherapy of ovarian endodermal sinus tumor. Matsuoka R, et al. **Asia Oceania J Obstet Gynaecol** 1987 Jun;13(2):137–40

[Combination of radiation and PVB chemotherapy for intracranial malignant germ cell tumor] Taira T, et al. **No Shinkei Geka** 1986 Jun;14(7):927–33 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Yolk sac tumors of the ovary and the human yolk sac. Takashina T, et al. **Am J Obstet Gynecol** 1987 Jan; 156(1):223–9

Primary pineal yolk sac tumor: ultrastructural and immunohistochemical features--case report. Nishio S, et al. **Neurol Med Chir (Tokyo)** 1986 Jul;26(7):564–70

MESONEPHROS

METABOLISM

Protein absorption by tubular mesonephric and metanephric structures in the human embryo. An immunohistochemical study. Lauriola L, et al. **Cell Tissue Res** 1986;246(1):77–80

Changes in the protein spectrum of the chick embryo mesonephros and metanephros in the course of development. Friebová-Zemanová Z, et al. **Physiol Bohemoslov** 1987;36(2):125–34

ULTRASTRUCTURE

[Ultrastructural and ultracytochemical variations in the differentiation of the membranes of the chick embryo mesonephros] Avila R, et al. **Arch Esp Urol** 1986 Jul-Aug; 39(6):379–86 (Eng. Abstr.) **(Spa)**

MESONS see under **ELEMENTARY PARTICLES**

MESOPORPHYRINS see under **PORPHYRINS**

MESORIDAZINE

ADVERSE EFFECTS

Complete heart block associated with mesoridazine and lithium combination [letter] Salama AA. **J Clin Psychiatry** 1987 Mar;48(3):123

PHARMACODYNAMICS

Mesoridazine and thioridazine [letter] Richelson E. **J Clin Psychiatry** 1987 Aug;48(8):344

POISONING

Rapid death resulting from mesoridazine overdose. Vertrees JE, et al. **Vet Hum Toxicol** 1987 Feb;29(1):65–7

MESOSIGMOID see **MESOCOLON**

MESOTHELIOMA

[Malignant pleuramesothelioma] Francis D, et al. **Ugeskr Laeger** 1987 Mar 16;149(12):779–80 (Eng. Abstr.) **(Dan)**

ANALYSIS

Distinct keratin patterns demonstrated by immunoperoxidase staining of adenocarcinomas, carcinoids, and mesotheliomas using polyclonal and monoclonal anti-keratin antibodies. Kahn HJ, et al. **Am J Clin Pathol** 1986 Nov;86(5):566–74

BLOOD

Electrolyte changes in mesothelioma. Ribak J, et al. **Br J Dis Chest** 1986 Jul;80(3):280–2

Serum hyaluronate in malignant pleural mesothelioma. Frebourg T, et al. **Cancer** 1987 Jun 15;59(12):2104–7

CHEMICALLY INDUCED

Cytology of experimental mesotheliomas induced with crocidolite asbestos. Topov J, et al. **Acta Cytol (Baltimore)** 1987 May-Jun;31(3):369–73

Chrysotile asbestos exposure and mesothelioma [letter] Huncharek M. **Br J Ind Med** 1987 Apr;44(4):287–8

Asbestos-related malignancy. Antman KH. **CRC Crit Rev Oncol Hematol** 1986;6(3):287–309 (176 ref.)

Current pathogenetic concepts of diffuse malignant mesothelioma. Craighead JE. **Hum Pathol** 1987 Jun; 18(6):544–57 (107 ref.)

[Asbestos-induced cancer in Denmark] Olsen JH, et al. **Ugeskr Laeger** 1986 Dec 1;148(49):3328–33 (Eng. Abstr.) **(Dan)**

[Evaluation of the carcinogenicity of the respirable dust of Bulgarian anthophyllite asbestos] Pylev LN, et al. **Gig Tr Prof Zabol** 1986 Aug;(8):54–6 **(Rus)**

COMPLICATIONS

Fatal heart block due to mesothelioma of the atrioventricular node. Evans DW, et al. **Br Heart J** 1986 Dec;56(6):572–4

Pericardial constriction caused by primary mesothelioma. Llewellyn MJ, et al. **Br Heart J** 1987 Jan;57(1):54–7

Thrombocytosis in patients with malignant pleural mesothelioma. Nakano T, et al. **Cancer** 1986 Oct 15; 58(8):1699–701

Localized fibrous mesothelioma in the postpartum period. Rosenthal TC. **J Fam Pract** 1987 Aug;25(2):174–5

Adynamic ileus associated with invasion of the myenteric nerve plexus by a peritoneal mesothelioma. Johnson HR, et al. **J Natl Med Assoc** 1987 Jul;79(7):770–1, 774

Unilateral hyperhidrosis associated with underlying intrathoracic neoplasia. Lindsay DC, et al. **Thorax** 1986 Oct;41(10):814–5

[An autopsy case of tuberous sclerosis with hitherto unrecognized complication of primary pericardial mesothelioma] Sato K, et al. **Nippon Naika Gakkai Zasshi** 1986 Dec;75(12):1774–80 **(Jpn)**

DIAGNOSIS

Echography of pericardial mesothelioma [letter] Spodick DH. **Am Heart J** 1986 Dec;112(6):1347

Immunohistochemical and histochemical markers of primary lung cancer, lung metastases, and pleural mesotheliomas. Popper H, et al. **Cancer Detect Prev** 1987;10(3-4):167–74

Localised benign mesothelioma of pleura presenting as rapidly accumulating massive pleural effusion. Dhar SN, et al. **Indian J Chest Dis Allied Sci** 1986 Jul-Sep;28(3):163–5

Ultrasonographic presentation of a benign peritoneal cystic mesothelioma. Gandolfi L, et al. **J Belge Radiol** 1987; 70(2):133–5

Immunohistological staining of reactive mesothelium, mesothelioma, and lung carcinoma with a panel of monoclonal antibodies. Ghosh AK, et al. **J Clin Pathol** 1987 Jan;40(1):19–25

Diagnostic histochemical and immunohistochemical studies in malignant mesothelioma. Lucas JG, et al. **J Surg Oncol** 1987 May;35(1):30–4

Pleural fluid CEA levels in the diagnosis of malignant mesothelioma. Whitaker D, et al. **Pathology** 1986 Jul; 18(3):328–9

Accuracy of diagnostic procedures in the initial evaluation and follow-up of mesothelioma patients. Strankinga WF, et al. **Respiration** 1987;51(3):179–87

Localized benign mesothelioma of the pleura: case report and review of the literature. Seggewiss H, et al. **Thorac Cardiovasc Surg** 1986 Oct;34(5):330–2

Tissue polypeptide antigen (TPA) in pleural effusions. Parazzi F, et al. **Tumori** 1987 Feb 28;73(1):33–6

Immunohistochemistry in the diagnosis of malignant mesothelioma. Pfaltz M, et al. **Virchows Arch [A]** 1987; 411(4):387–93

Simultaneous immunoenzyme staining of vimentin and cytokeratins with monoclonal antibodies as an aid in the differential diagnosis of malignant mesothelioma from pulmonary adenocarcinoma. Mullink H, et al. **Virchows Arch [B]** 1986;52(1):55–65

[Pleural mesothelioma. From neglect to passion] Chahinian AP. **Presse Med** 1986 Nov 8;15(39):1949–51 **(Fre)**

[Immunopathology of diffuse malignant mesothelioma] Stosiek P, et al. **Zentralbl Allg Pathol** 1986;132(2):119–28 (Eng. Abstr.) **(Ger)**

[Diagnostic contribution of the determination of CEA, pH, glucose and lactase dehydrogenase in the pleural fluid in patients with mesothelioma] Rapellino M, et al. **Minerva Med** 1987 Mar 15;78(5):317–9 (Eng. Abstr.) **(Ita)**

[Malignant mesothelioma of the pleura. Retrospective clinical evaluation of 22 cases] de Pangher Manzini V. **Recenti Prog Med** 1987 May;78(5):220–3 (Eng. Abstr.) **(Ita)**

[Mesothelioma involving the pericardium: diagnostic difficulties] Szturmowicz M, et al. **Pol Tyg Lek** 1986 Oct 13;41(41):1325–8 (Eng. Abstr.) **(Pol)**

[Primary mesothelioma of the pericardium. Report of 2 cases and review of the literature] Contreras Rodríguez R, et al. **Arch Inst Cardiol Mex** 1986 Sep-Oct;56(5):403–11 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Diffuse malignant mesothelioma of the pleura--intrapleural treatment with doxorubicin. Matzel W, et al. **Arch Geschwulstforsch** 1987;57(3):209–18

A phase II study of the platinum analogues JM8 and JM9 in malignant pleural mesothelioma. Cantwell BM, et al. **Cancer Chemother Pharmacol** 1986;18(3):286–8

Phase II trial of carboplatin (JM8) in treatment of patients

with malignant mesothelioma. Mbidde EK, et al. **Cancer Chemother Pharmacol** 1986;18(3):284–5

Phase II trial of mitomycin in malignant mesothelioma. Bajorin D, et al. **Cancer Treat Rep** 1987 Sep;71(9):857–8

Phase II trial of vindesine in malignant pleural mesothelioma. Boutin C, et al. **Cancer Treat Rep** 1987 Feb;71(2):205–6

Phase II study of a novel antifolate, N10–propargyl–5,8 dideazafolic acid (CB3717), in malignant mesothelioma. Cantwell BM, et al. **Cancer Treat Rep** 1986 Nov; 70(11):1335–6

Phase II trial of acivicin in malignant mesothelioma. Falkson G, et al. **Cancer Treat Rep** 1987 May;71(5):545–6

Randomized comparison of cyclophosphamide, imidazole carboxamide, and adriamycin versus cyclophosphamide and adriamycin in patients with advanced stage malignant mesothelioma: a Sarcoma Intergroup Study. Samson MK, et al. **J Clin Oncol** 1987 Jan;5(1):86–91

ENZYMOLOGY

Enzyme pathology of human mesotheliomas. Greengard O, et al. **JNCI** 1987 Apr;78(4):617–22

ETIOLOGY

Accumulation of long asbestos fibers in the peripheral upper lobe in cases of malignant mesothelioma. Churg A, et al. **Am J Ind Med** 1987;11(5):563–9

Malignant mesothelioma in non–asbestos textile workers in Florence. Paci E, et al. **Am J Ind Med** 1987;11(3):249–54

Acute injury and regeneration of the mesothelium in response to asbestos fibers. Moalli PA, et al. **Am J Pathol** 1987 Sep; 128(3):426–45

Asbestos–related mesothelioma risk among railroad workers [letter] Huncharek M. **Am Rev Respir Dis** 1987 Apr; 135(4):983–4

Fine biogenic silica fibres in sugar cane: a possible hazard. Newman RH. **Ann Occup Hyg** 1986;30(3):365–70

Diseases associated with the inhalation of asbestos dust. Davies CN. **Arh Hig Rada Toksikol** 1986 Jun;37(2):253–74 (75 ref.)

Phenotypic characterisation of peripheral blood lymphoid cells in people exposed to fibrous zeolite. Ozesmi M, et al. **Br J Ind Med** 1986 Dec;43(12):830–3

Epidemiological and environmental evidence of the health effects of exposure to erionite fibres: a four–year study in the Cappadocian region of Turkey. Baris I, et al. **Int J Cancer** 1987 Jan 15;39(1):10–7

Mesothelioma in the Republic of Ireland: a review in the context of new E.E.C. legislation. Howell F, et al. **Ir Med J** 1987 Mar;80(3):89–91

Malignant mesothelioma of the tunica vaginalis in an asbestos worker. Karunaharan T. **J R Coll Surg Edinb** 1986 Aug; 31(4):253–4

Mesothelioma: has patient had contact with even small amount of asbestos? [news] Garrahan K. **JAMA** 1987 Mar 27;257(12):1569–70

Association of Metsovo lung and pleural mesothelioma with exposure to tremolite–containing whitewash. Langer AM, et al. **Lancet** 1987 Apr 25;1(8539):965–7

Mesothelioma in manufacturers of asbestos–containing cigarette filters [letter] Talcott J, et al. **Lancet** 1987 Feb 14;1(8529):392

Risk from exposure to asbestos [letter] Aroesty J, et al. **Science** 1986 Nov 21;234(4779):923

A case of abdominal mesothelioma. Ong YY, et al. **Singapore Med J** 1986 Dec;27(6):537–41

[A case of malignant mesothelioma caused by exposure to asbestos] Kishimoto T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan;25(1):125–9 (Eng. Abstr.) **(Jpn)**

[Evaluation of 15 malignant mesothelioma patients from the aspect of clinical findings and pathology—relationship between asbestos and malignant mesothelioma] Kishimoto T, et al. **Nippon Naika Gakkai Zasshi** 1987 Apr;76(4):586–7 **(Jpn)**

[Study of precancerous changes in the rat pleural mesothelium following exposure to asbestos using scanning electron microscopy] Vasil'eva LA, et al. **Eksp Onkol** 1986; 8(4):34–7 (Eng. Abstr.) **(Rus)**

[Incidence of pleural mesothelioma after exposure to chrysotile and asbestos dust] Kogan FM, et al. **Gig Tr Prof Zabol** 1986 Sep;(9):9–12 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Chromosomes and chromosomal evolution in human mesotheliomas as reflected in sequential analyses of two cases. Stenman G, et al. **Hereditas** 1986;105(2):233–9

[Malignant mesothelioma diagnosed by cytogenetic study (letter)] Avilés Inglés MJ, et al. **Med Clin (Barc)** 1987 Apr 18;88(15):609–10 **(Spa)**

IMMUNOLOGY

Immunohistochemical evaluation of pleural mesothelioma and pulmonary adenocarcinoma. A bi–institutional study of 47 cases. Otis CN, et al. **Am J Surg Pathol** 1987 Jun; 11(6):445–56

Differential diagnosis between mesotheliomas and metastatic adenocarcinomas using monoclonal antibodies against gastrointestinal carcinoma antigen and stage–specific embryonic antigen. Ernst CS, et al. **Appl Pathol** 1986; 4(3):115–24

Carcinoembryonic antigen and milk–fat globule protein staining of malignant mesothelioma and adenocarcinoma of the lung. Tron V, et al. **Arch Pathol Lab Med** 1987 Mar;111(3):291–3

Secretory component in pulmonary adenocarcinoma and mesothelioma. Kondi–Paphitis A, et al. **Histopathology** 1986 Dec;10(12):1279–87

Monoclonal antibodies to human malignant mesothelioma. Anderson TM, et al. **J Clin Immunol** 1987 May;7(3):254–61

New marker for mesothelioma: an immunoperoxidase study. Donna A, et al. **J Clin Pathol** 1986 Sep;39(9):961–8

METABOLISM

Adenomatoid tumors—mesotheliomas or not? A histochemical, immunohistochemical and light and electron microscopic (TEM/SEM) study. Kosmehl H, et al. **Arch Geschwulstforsch** 1987;57(2):141–50

MORTALITY

Extrapleural pneumonectomy for diffuse, malignant mesothelioma. DaValle MJ, et al. **Ann Thorac Surg** 1986 Dec;42(6):612–8

Mortality of workers employed in two asbestos cement manufacturing plants. Hughes JM, et al. **Br J Ind Med** 1987 Mar;44(3):161–74

Mesothelioma in Connecticut [letter] McDonald AD. **J Occup Med** 1986 Sep;28(9):808–9

Geographic patterns for pleural mesothelioma deaths in the United States, 1968–81. Enterline PE, et al. **JNCI** 1987 Jul;79(1):31–7

Trends in mortality from malignant mesothelioma of the pleura [letter] Armstrong BK. **Med J Aust** 1986 Mar 3; 144(5):280

Identifying mesotheliomas on death certificates [letter] Percy C. **Public Health Rep** 1986 Sep–Oct;101(5):457

OCCURRENCE

Epidemiology of cystic mesothelioma [letter] Demopoulos RI, et al. **Int J Gynecol Pathol** 1986;5(4):379–81

Demographic patterns for mesothelioma in the United States. Connelly RR, et al. **JNCI** 1987 Jun;78(6):1053–60

Nephrogenic adenoma of bladder [letter] Byard RW, et al. **Urology** 1987 Mar;29(3):350–1

PATHOLOGY

Computerized interactive morphometry as an aid in the diagnosis of pleural effusions. Marchevsky AM, et al. **Acta Cytol (Baltimore)** 1987 Mar–Apr;31(2):131–6

Fine needle aspiration cytology of malignant mesothelioma. Sterrett GF, et al. **Acta Cytol (Baltimore)** 1987 Mar–Apr; 31(2):185–93

Analysis of adenomatous structures in histopathology. Kayser KK, et al. **Anal Quant Cytol Histol** 1987 Jun;9(3):273–8

Benign and malignant mesothelial lesions of the pleura: quantitative study. Ranaldi R, et al. **Appl Pathol** 1986; 4(1–2):55–64

Unusual microscopic forms of experimental mesotheliomas. Topov J, et al. **Arch Geschwulstforsch** 1987;57(3):181–6

Mesothelioma as carcinoma? [letter] Rosen H. **Arch Intern Med** 1987 Feb;147(2):207

Malignant mesothelioma [letter] Yousem SA. **Arch Pathol Lab Med** 1987 Jun;111(6):503

Malignant mesotheliomas with osseous and cartilaginous differentiation. Yousem SA, et al. **Arch Pathol Lab Med** 1987 Jan;111(1):62–6

Multicystic peritoneal mesothelioma in a 29 year old male. Cregan P, et al. **Aust NZ J Surg** 1987 Apr;57(4):271–3

In vitro growth characteristics of rat mesothelioma cells in culture. Jaurand MC, et al. **Biol Cell** 1986;57(3):249–56

Multicentric reticulohistiocytosis. Coupe MO, et al. **Br J Dermatol** 1987 Feb;116(2):245–7

Comparative studies of human malignant mesothelioma in vivo, in xenografts in nude mice, and in vitro. Cell origin of malignant mesothelioma. Suzuki Y, et al. **Cancer** 1987 Aug 1;60(3):334–44

Characterization of a human malignant mesothelioma cell line (H–MESO–1): a biphasic solid and ascitic tumor model. Reale FR, et al. **Cancer Res** 1987 Jun 15;47(12):3199–205

Diagnosis of malignant pleural mesothelioma by axillary lymph node biopsy. Kim SB, et al. **Chest** 1987 Feb; 91(2):279–81

Adenomatoid tumor of the fimbrial endosalpinx: report of two cases with discussion of histogenesis. Honoré LH, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Oct;9(5):335–9

Regression of a malignant tumour of the pleura. Maesen F, et al. **Eur J Respir Dis** 1987 Aug;71(2):135–8

Solitary (localized) fibrous mesothelioma: evidence against mesothelial cell origin. Dervan PA, et al. **Histopathology** 1986 Aug;10(8):867–75

Congenital polycystic tumor of the atrioventricular node (endodermal heterotopia, mesothelioma): a histogenetic appraisal with evidence for its endodermal origin. Fine G, et al. **Hum Pathol** 1987 Aug;18(8):791–5

Distinguishing adenocarcinoma from mesothelioma in effusions [letter] Triol JH, et al. **Hum Pathol** 1987 Sep; 18(9):969

Adenomatoid hyperplasia of mucous salivary glands. Report of two cases. Brown FH, et al. **J Periodontol** 1987 Feb; 58(2):125–7

Malignant mesothelioma: a case report from an area with endemic pleural calcification [letter] Sichletidis L, et al. **JAMA** 1987 Sep 18;258(11):1478

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 23–1987. A 61–year–old woman with a left pleural effusion and a reticulonodular pulmonary infiltrate. **N Engl J Med** 1987 Jun 4; 316(23):1462–70

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 4–1987. A 50–year–old man with recurrent pleuro–pulmonary abnormalities. **N Engl J Med** 1987 Jan 22;316(4):198–208

Malignant peritoneal mesothelioma in a child. Berry PJ, et al. **Pediatr Pathol** 1986;5(3–4):397–409

The cytologic diagnosis of mesothelioma. Ehya H. **Semin Diagn Pathol** 1986 Aug;3(3):196–203

Spontaneous mesotheliomas in Fischer rats—a histological and electron microscopic study. Tanigawa H, et al. **Toxicol Pathol** 1987;15(2):157–63

Nephrogenic adenoma. McIntire TL, et al. **Urology** 1987 Mar;29(3):237–41 (55 ref.)

Distinction between cells in serous effusions using a panel of antibodies. Lauritzen AF. **Virchows Arch [A]** 1987; 411(3):299–304

[Adenomatoid tumors: an immunohistochemical study for histogenesis] Lin JS. **Chung–hua Ping Li Hsueh Tsa Chih** 1986 Dec;15(4):295–6 **(Chi)**

[Peritoneal malignant mesothelioma (apropos of 1 case)] Belabbas MA, et al. **Maroc Med** 1986 Dec;8(4):460–3 (Eng. Abstr.) **(Fre)**

[Peritoneal mesothelioma in asbestosis] Thorn L. **Zentralbl Allg Pathol** 1986;131(6):547–52 (Eng. Abstr.) **(Ger)**

[Benign cystic mesothelioma of the peritoneum. Presentation of a case] Pastormerlo M, et al. **Minerva Ginecol** 1987 Mar; 39(3):127–9 (Eng. Abstr.) **(Ita)**

[Diffuse malignant mesothelioma of the peritoneum and exposure to asbestos] Pizzolitto S, et al. **Pathologica** 1986 Jan–Feb;78(1053):57–70 (Eng. Abstr.) **(Ita)**

[Malignant peritoneal mesothelioma of the prostate: a case report] Hanai S, et al. **Hinyokika Kiyo** 1986 Nov; 32(11):1725–30 (Eng. Abstr.) **(Jpn)**

[Peritoneal mesothelioma. Apropos of a case] Payno de Orrive A, et al. **Rev Esp Enferm Apar Dig** 1986 Sep;70(3):265–7 (Eng. Abstr.) **(Spa)**

[Peritoneal mesothelioma] Burdiles P, et al. **Rev Med Chil** 1986 Feb;114(2):143–6 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Cardiac abnormalities in patients with diffuse malignant pleural mesothelioma. Wadler S, et al. **Cancer** 1986 Dec 15;58(12):2744–50

PREVENTION & CONTROL

Control of asbestos–related disease in the RSA. Becklake MR. **S Afr Med J** 1987 Feb 21;71(4):208–10

RADIOGRAPHY

Computed tomography of pleural lesions with special reference to the mediastinal pleura. Salonen O, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Sep–Oct;27(5):527–31

Non–malignant chest x ray changes in patients with mesothelioma in a large cohort of asbestos insulation workers. Lilis R, et al. **Br J Ind Med** 1987 Jun;44(6):402–6

A young woman with apparent increase in the transverse cardiac diameter. Lam WK, et al. **Chest** 1986 Oct; 90(4):595–6

CT findings of hypervascular malignant peritoneal mesothelioma. Granke DS, et al. **Comput Radiol** 1987 Mar–Apr;11(2):91–4

CT findings in localized fibrous mesothelioma of the pleural fissure. Spizarny DL, et al. **J Comput Assist Tomogr** 1986 Nov–Dec;10(6):942–4

CT findings in a benign cystic mesothelioma of the greater omentum. A case report. Pandolfo I, et al. **Rays** 1986 Sep–Dec;11(3):63–5

[Radiologic diagnosis of benign fibrous pleural mesotheliomas] Krug B, et al. **ROFO** 1986 Sep;145(3):343–5 **(Ger)**

[A case of malignant pleural mesothelioma showing a lower lung field mass shadow in a construction worker using asbestos] Shishido S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jul;24(7):810–6 (Eng. Abstr.) **(Jpn)**

[X–ray diagnosis of primary malignant pleural tumors] Kondrashova LN. **Vestn Rentgenol Radiol** 1987 Mar–Apr; (2):42–7 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Primary pericardial mesothelioma detected by gallium–67 scintigraphy. Nishikimi T, et al. **J Nucl Med** 1987 Jul; 28(7):1210–2

RADIOTHERAPY

Long–term survival in peritoneal mesothelioma. The role of radiotherapy and combined modality treatment. Lederman GS, et al. **Cancer** 1987 Jun 1;59(11):1882–6

SECONDARY

Metastatic spread of malignant pleural mesothelioma. Bindi M, et al. **Rays** 1985 May–Aug;10(2):131–6

Metastasis of cancer to cancer. A case of breast carcinoma metastasizing to a malignant mesothelioma. Andersen HJ, et al. **Thorac Cardiovasc Surg** 1986 Aug;34(4):258–9

SURGERY

Extrapleural pneumonectomy for diffuse, malignant mesothelioma. DaValle MJ, et al. **Ann Thorac Surg** 1986 Dec;42(6):612–8

Diffuse malignant mesothelioma: a therapeutic dilemma [editorial] Ginsberg RJ. **Ann Thorac Surg** 1986 Dec; 42(6):608

Pleural mesothelioma. Martini N, et al. **Ann Thorac Surg** 1987 Jan;43(1):113–20 (19 ref.)

[Recurrence of a benign pleural mesothelioma 18 years after excision. Review of a series of 33 patients with a primary tumor of the pleura from 1958 to 1986] Vischoff D, et al. **J Chir (Paris)** 1986 Dec;123(12):700–3 (Eng. Abstr.) (Fre)

[Clinical aspects and therapy of benign pleural mesothelioma. A case report] Kienzle HF, et al. **Chirurg** 1987 Mar; 58(3):158–62 (Eng. Abstr.) (Ger)

THERAPY

Antitumor activity of intraperitoneal immunotoxins in a nude mouse model of human malignant mesothelioma. Griffin TW, et al. **Cancer Res** 1987 Aug 15;47(16):4266–70

ULTRASTRUCTURE

Immunohistochemical evaluation of pleural mesothelioma and pulmonary adenocarcinoma. A bi-institutional study of 47 cases. Otis CN, et al. **Am J Surg Pathol** 1987 Jun; 11(6):445–56

Tumors of serosal tissue origin. Bolen JW. **Clin Lab Med** 1987 Mar;7(1):31–50

The distinction of adenocarcinoma from malignant mesothelioma in cell blocks of effusions: the role of routine mucin histochemistry and immunohistochemical assessment of carcinoembryonic antigen, keratin proteins, epithelial membrane antigen, and milk fat globule-derived antigen. Cibas ES, et al. **Hum Pathol** 1987 Jan;18(1):67–74

Multicystic peritoneal mesothelioma. Kjellevold K, et al. **Pathol Res Pract** 1986 Dec;181(6):767–73

Serosal tissue: reactive tissue as a model for understanding mesotheliomas. Bolen JW, et al. **Ultrastruct Pathol** 1987; 11(2–3):251–62

[Pericardial mesothelioma] Nádasdy T, et al. **Morphol Igazsagugyi Orv Sz** 1986 Oct;26(4):264–71 (Eng. Abstr.) (Hun)

VETERINARY

Mesothelioma in a calf. Magnusson RA, et al. **J Am Vet Med Assoc** 1987 Jul 15;191(2):233–4

Premature mammary development in a heifer with abdominal mesothelioma. Vestweber JG, et al. **J Am Vet Med Assoc** 1986 Oct 1;189(7):804–5

[Sclerosing mesothelioma in the dog] Loupal G. **Zentralbl Veterinarmed [A]** 1987 Jun;34(6):405–14 (Eng. Abstr.) (Ger)

[Epidemiologic study of spontaneous mesothelioma in dogs: its possible usefulness in reference to human pathology] Mirabella F. **Med Lav** 1987 Jan–Feb;78(1):28–32 (Eng. Abstr.) (Ita)

MESOZOA see INVERTEBRATES

MESTEROLONE see under STANOLONE

MESTRANOL

ADMINISTRATION & DOSAGE

Development of a low-dose monthly injectable contraceptive system: II. Pharmacokinetic and pharmacodynamic studies. Díaz-Sánchez V, et al. **Contraception** 1987 Jan;35(1):57–68

Estradiol dosage [letter] Holloway JE. **South Med J** 1987 Aug;80(8):1067

[Role of estrogen dosage in the treatment of menstruation disorders in girls] Rzepka-Górska I, et al. **Ginekol Pol** 1987 Feb;58(2):113–8 (Eng. Abstr.) (Pol)

ADVERSE EFFECTS

Action of hormonal contraceptives on the coagulation system and some of its inhibitors. Misz M, et al. **Acta Med Hung** 1986;43(3):301–10

METABOLISM

Metabolic profiles of endogenous and ethynyl steroids in plasma and urine from women during administration of oral contraceptives. Sahlberg BL, et al. **J Steroid Biochem** 1987 May;26(5):609–17

PHARMACODYNAMICS

Effect of mestranol on cell proliferation and angiotensinogen production in HepG2 cells: relation with the cell cycle and action of tamoxifen. Coezy E, et al. **Endocrinology** 1987 Jan;120(1):133–41

THERAPEUTIC USE

Wrongful death—enovid therapy for endometriosis—malpractice—discovery deposition of defendant gynecologist's expert. **Med Trial Tech Q** 1982 Spring;28(4):451–72

TOXICITY

Effects of captopril and bradykinin on arterial pressure in rats with mestranol-induced hypertension. Johnson JA, et al. **Contraception** 1986 Sep;34(3):303–10

META-DIHYDROXYBENZENES see RESORCINOLS

META-HYDROXYNOREPHEDRINE see METARAMINOL

METABOLIC ACTIVATION see BIOTRANSFORMATION

METABOLIC CLEARANCE RATE

A method for evaluating the mean residence times of metabolites in the body, systemic circulation, and the peripheral tissue not requiring separate i.v. administration of metabolite. Veng-Pedersen P, et al. **Biopharm Drug Dispos** 1987 Jul–Aug;8(4):395–401

Relationship between renal clearance of drugs and glomerular filtration rate in patients with chronic renal insufficiency. Schück O, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Apr;23 Suppl 1:S42–7

Pharmacokinetic transfer functions and generalized clearances. Siegel RA. **J Pharmacokinet Biopharm** 1986 Oct;14(5):511–21

Body size and metabolic rate: calculated exponents are independent of the units used [letter] Reiss MJ. **J Theor Biol** 1986 Nov 7;123(1):125–6

Clearance approaches in pharmacology. Wilkinson GR. **Pharmacol Rev** 1987 Mar;39(1):1–47 (525 ref.)

Heparin fractions with high and low affinities to antithrombin III are cleared at different rates. Caranobe C, et al. **Thromb Res** 1986 Sep 15;43(6):635–41

METABOLIC DETOXICATION, DRUG

Identification of intratissue sites for xenobiotic activation and detoxication. Baron J, et al. **Adv Exp Med Biol** 1986; 197:119–44

Age and sex related differences in some rat renal NADPH-consuming detoxification enzymes. Santa Maria C, et al. **Arch Gerontol Geriatr** 1986 Oct;5(3):235–47

The role of conjugation reactions in detoxication. Bock KW, et al. **Arch Toxicol** 1987;60(1–3):22–9 (54 ref.)

Interception of toxic agents/mutagens/carcinogens: some of nature's novel strategies. Hartman PE. **Basic Life Sci** 1986; 39:169–79

Induction of epidermal NAD(P)H:quinone reductase by chemical carcinogens: a possible mechanism for the detoxification. Khan WA, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):126–33

A comparative study of drug-metabolizing enzymes present in isolated rat liver parenchymal, Kupffer and endothelial cells. Oesch F, et al. **Biochem Soc Trans** 1987 Jun; 15(3):372–3

Protective effects of 2(3)-tert-butyl-4-hydroxyanisole on chemical carcinogenesis. Wattenberg LW. **Food Chem Toxicol** 1986 Oct–Nov;24(10–11):1099–102 (31 ref.)

Lipophilic xenobiotic conjugates: the pharmacological and toxicological consequences of the participation of drugs and other foreign compounds as substrates in lipid biosynthesis. Fears R. **Prog Lipid Res** 1985;24(3):177–95 (78 ref.)

[Liver function tests: metabolic detoxication test] Araki S, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:140–7 (20 ref.) (Jpn)

METABOLIC DISEASES

Cutaneous manifestations of systemic diseases: metabolic diseases. Witkowski JA. **Clin Dermatol** 1983 Jul–Sep; 1(1):77–87

Hypermetabolism, organ failure, and metabolic support. Cerra FB. **Surgery** 1987 Jan;101(1):1–14 (75 ref.)

[Disorders of fat metabolism and atherosclerosis—prevention and therapeutic measures] **Fortschr Med** 1987;105 Suppl 23:1–15 (Ger)

[42d meeting of the German Society for Digestive and Metabolic Diseases, 19th meeting of the German Society for Gastroenterologic Endoscopy, 20th annual meeting of the Austrian Gastroenterology Society. Salzburg, 9–12 September 1987. Abstracts] **Z Gastroenterol** 1987 Aug; 25(8):417–592 (Ger)

[Results in gastroenterology 1986. 41st meeting of the German Society for Digestive and Metabolic Diseases. Hannover, 2–4 October 1986. Proceedings] **Z Gastroenterol [Verh]** 1987 Apr;22:1–211 (Ger)

BLOOD

[Value of the rate of malondialdehyde accumulation in erythrocytes in the diagnosis of membrane disorders in the premature infant] Prishchepova NF, et al. **Pediatriia** 1986 Dec;(12):12–5 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

Acute tumor lysis syndrome in prolymphocytic leukemia. Gomez GA, et al. **Arch Intern Med** 1987 Feb;147(2):375–6

Glucose tolerance during chronic captopril therapy in patients with essential hypertension. Shionoiri H, et al. **J Cardiovasc Pharmacol** 1987 Feb;9(2):160–4

COMPLICATIONS

Hormonal causes of recurrent abortion. Maxson WS. **Clin Obstet Gynecol** 1986 Dec;29(4):941–52 (48 ref.)

Friable hair, urea cycle dysfunction, and trichothiodystrophy. A new X-linked genodermatosis. Hordinsky MK, et al. **Curr Probl Dermatol** 1987;17:52–60

Growth failure in children with metabolic alkalosis and with metabolic acidosis. Tsuru N, et al. **Nephron** 1987; 45(3):182–5

McArdle's disease with myoadenylate deaminase deficiency: observations in a combined enzyme deficiency. Heller SL, et al. **Neurology** 1987 Jun;37(6):1039–42

Diagnosis of argininosuccinic aciduria after valproic acid-induced hyperammonemia. Morgan HB, et al. **Neurology** 1987 May;37(5):886–7

[Abdominal pain in metabolic diseases] Schuster HP. **Langenbecks Arch Chir** 1986;369:665–8 (Eng. Abstr.) (Ger)

DIAGNOSIS

First trimester prenatal diagnosis of metabolic diseases: a survey in countries from the European community. Poenaru L. **Prenat Diagn** 1987 Jun;7(5):333–41

Systematic laboratory diagnosis of human metabolic disorders. Jellum E, et al. **Scand J Clin Lab Invest [Suppl]** 1986;184:11–20

[The clinical diagnosis of "undernourished" Soeters PB, et al. **Ned Tijdschr Geneeskd** 1987 May 2;131(18):765–8 (Eng. Abstr.) (Dut)

DIET THERAPY

[Current principles of diet therapy of metabolic diseases] Beiul EA. **Vestn Akad Med Nauk SSSR** 1986;(12):45–50 (Eng. Abstr.) (Rus)

DRUG THERAPY

[Artificial saccharose substitutes in diseases with disordered carbohydrate and lipid metabolism] Germaniuk IaL. **Vrach Delo** 1986 Aug;(8):63–7 (39 ref.) (Rus)

ETIOLOGY

Lipid disorders in diabetes mellitus. Kern PA. **Mt Sinai J Med (NY)** 1987 Mar;54(3):245–52 (49 ref.)

[Liver transplantation in children. Blood transfusion and metabolic disorders] Dyer PM, et al. **Ann Fr Anesth Reanim** 1987;6(3):163–8 (Eng. Abstr.) (Fre)

[Metabolic disorders in continuous ambulatory peritoneal dialysis] Malcangi U, et al. **Minerva Urol Nefrol** 1987 Apr–Jun;39(2):181–4 (Ita)

[Various clinical conditions related to diabetes mellitus] **Nippon Rinsho** 1986 Aug;44 Suppl:275–382 (Jpn)

[Metabolic and hormonal disorders in patients treated by peritoneal dialysis] Wnuk R, et al. **Przegl Lek** 1987; 44(4):383–5 (Pol)

[Acute metabolic disorders in newborn infants in the adaptation period and their correction] Tabolin VA, et al. **Pediatriia** 1986 Aug;(8):50–5 (Rus)

FAMILIAL & GENETIC

A mutation in the B chain coding region is associated with impaired proinsulin conversion in a family with hyperproinsulinemia. Chan SJ, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2194–7

METABOLISM

Phosphorus magnetic resonance spectroscopy studies of the role of mitochondria in the disease process. Chance B, et al. **Ann NY Acad Sci** 1986;488:140–53

De novo synthesis of glutathione in human fibroblasts during in vitro ageing and in some metabolic diseases as measured by a flow cytometric method. Poot M, et al. **Biochim Biophys Acta** 1986 Oct 1;883(3):580–4

Bisphosphorylated metabolites of glycerate, glucose, and fructose: functions, metabolism and molecular pathology. Carreras J, et al. **Clin Biochem** 1986 Dec;19(6):348–58 (36 ref.)

Syndromes of androgen resistance. Griffin JE, et al. **Hosp Pract [Off]** 1987 Aug 15;22(8):159–64, 166, 169 passim

Basal metabolic rate in myotonic dystrophy: evidence against hypometabolism. Jozefowicz RF, et al. **Neurology** 1987 Jun; 37(6):1021–5

[Ultrastructural observation on the neuronal lipofuscin—in relation with aging and specificity of region and disease] Amano N. **Seishin Shinkeigaku Zasshi** 1986;88(4):307–29 (Eng. Abstr.) (Jpn)

OCCURRENCE

Re: Metabolic factors in urolithiasis: a study in Brazil [letter] Giugliani R, et al. **J Urol** 1987 Feb;137(2):320

[Studies on the abdominal sonographical screening examination—with special reference in relation to aging and metabolic abnormalities] Kuramoto Y, et al. **Nippon Ronen Igakkai Zasshi** 1986 May;23(3):293–301 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Stereological analysis of peroxisomes and mitochondria in intestinal epithelium of patients with peroxisomal deficiency disorders: Zellweger's syndrome and neonatal-onset adrenoleukodystrophy. Black VH, et al. **Am J Anat** 1986 Sep;177(1):107–18

Disorders of glycogen metabolism of muscle. DiMauro S, et al. **CRC Crit Rev Clin Neurobiol** 1984;1(2):83–116 (182 ref.)

Hepatic morphology in the inherited metabolic diseases. Ishak KG. **Semin Liver Dis** 1986 Aug;6(3):246–58 (106 ref.)

Fatal copper storage disease of the liver in a German infant resembling Indian childhood cirrhosis. Müller-Höcker J, et al. **Virchows Arch [A]** 1987;411(4):379–85

PHYSIOPATHOLOGY

Ventilatory responses to respiratory and metabolic acid–base disturbances in cats. Schuitmaker JJ, et al. **Respir Physiol** 1987 Jan;67(1):69–83

[Recommendations on the duration of exemption from mandatory vaccination in gastroenterologic, liver and metabolic diseases] Schmutzler S, et al. **Kinderarztl Prax** 1986 Nov;54(11):641–3 **(Ger)**

PREVENTION & CONTROL

Dietary carbohydrates in the prevention and treatment of metabolic diseases of major public health importance. Szostak WB, et al. **Am J Clin Nutr** 1987 May;45(5 Suppl):1207–17 (70 ref.)

[Local arteriovenous wash-out in acute ischemia of the extremities. A method of preventing the revascularization syndrome following thromboembolectomy] Giorgetti PL, et al. **Minerva Cardioangiol** 1987 Mar;35(3):139–46 (Eng. Abstr.) **(Ita)**

THERAPY

Medical management of cardiovascular, hypertensive, and metabolic diseases in the elderly. Proceedings of a symposium. March 14–16, 1986, Orlando, Florida. **Am J Med** 1987 Jan 26;82(1B):1–79

The hypermetabolism organ failure complex. Cerra FB. **World J Surg** 1987 Apr;11(2):173–81 (60 ref.)

[Liver transplantation in metabolic diseases] Pichlmayr R, et al. **Z Gastroenterol [Verh]** 1987 Apr;22:57–60 **(Ger)**

VETERINARY

Insulin deficiency and metabolic disorders in high-yielding dairy cows. Giesecke D. **J S Afr Vet Assoc** 1986 Mar; 57(1):67–70

Nutritional and metabolic diseases involving the nervous system. Kopcha M. **Vet Clin North Am [Food Anim Pract]** 1987 Mar;3(1):119–35 (49 ref.)

METABOLISM

The role of the unit of mass in the allometric equation relating body size and metabolic rate. Donhoffer S. **Acta Biochim Biophys Hung** 1986;21(3):257–62

Relation of blood pressure during exercise to anaerobic metabolism. Spence DW, et al. **Am J Cardiol** 1987 Jun 1;59(15):1342–4

Calculation of metabolic fluxes with anatomically separated sources of tracer and tracee. Norwich KH, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):E715–20

Metabolic regulation: application of recombinant DNA techniques. **Ann NY Acad Sci** 1986;478:1–320

Thermodynamic efficiency in nonlinear biochemical reactions. Ross J, et al. **Annu Rev Biophys Biophys Chem** 1987;16:401–22 (78 ref.)

Biophysical chemistry of metabolic reaction sequences in concentrated enzyme solution and in the cell. Srivastava DK, et al. **Annu Rev Biophys Biophys Chem** 1987; 16:175–204 (99 ref.)

Biochemistry of the cell cycle. Lloyd D. **Biochem J** 1987 Mar 1;242(2):313–21 (172 ref.)

Anaerobic fermentations—some new possibilities. Morris JG. **Biochem Soc Symp** 1983;48:147–72 (145 ref.)

Activated intermediates: the unexpected may sometimes carry a message. Lipmann F. **Bioessays** 1985 Nov; 3(5):222–5

Rectangular game theory and metabolic response to random changes in environmental states. Maclean FI. **Biosystems** 1987;20(3):259–66

The manipulation of micro-organisms for the production of secondary metabolites. Bunch AW, et al. **Biotechnol Genet Eng Rev** 1986;4:117–44 (112 ref.)

A modified Wingate test for measuring anaerobic work of the upper body in junior rowers. Koutedakis Y, et al. **Br J Sports Med** 1986 Dec;20(4):153–6

Gender differences in cardiovascular and metabolic responses to cold and exercise. Stevens GH, et al. **Can J Physiol Pharmacol** 1987 Feb;65(2):165–71

Biochemistry of hospital nutrition. **Contemp Issues Clin Biochem** 1986;4:1–284

Metabolism and its control. Frayn KN, et al. **Contemp Issues Clin Biochem** 1986;4:41–66 (73 ref.)

Acute and chronic metabolism changes following exercise: mechanisms and physiological relevance. Ruderman NB, et al. **Curr Concepts Nutr** 1986;15:1–8 (12 ref.)

Enzyme–enzyme interactions and the regulation of metabolic reaction pathways. Srivastava DK, et al. **Curr Top Cell Regul** 1986;28:1–68 (244 ref.)

Metabolic changes during the defunctionalized stage after ileal pouch–anal anastomosis. Max E, et al. **Dis Colon Rectum** 1987 Jul;30(7):508–12

Metabolic and hormonal responses during squash. Garden G, et al. **Eur J Appl Physiol** 1986;55(4):445–9

Improved estimation of total oxygen uptake in exercise by evaluation of aerobic fitness. Inoue Y, et al. **Eur J Appl Physiol** 1987;56(2):157–62

Transient responses in cardiac function below, at, and above anaerobic threshold. Tanaka K, et al. **Eur J Appl Physiol** 1986;55(4):356–61

Validation of two running tests as estimates of maximal aerobic power in children. van Mechelen W, et al. **Eur J Appl Physiol** 1986;55(5):503–6

Metabolic control and its analysis. Extensions to the theory and matrix method. Sauro HM, et al. **Eur J Biochem** 1987 May 15;165(1):215–21

Life without oxygen: what can and what cannot? Zehnder AJ, et al. **Experientia** 1986 Dec 1;42(11–12):1197–205

American Society of Biological Chemists. 78th annual meeting. Philadelphia, PA, June 7–11, 1987. Abstracts of papers. Indexes. **Fed Proc** 1987 May 1;46(6):1925–2373

Balancing conflicting metabolic demands of exercise and diving. Hochachka PW. **Fed Proc** 1986 Dec;45(13):2948–52 (16 ref.)

Use of in vivo kinetic techniques to evaluate metabolism of nutrients. Young JW, et al. **Fed Proc** 1987 Feb;46(2):295–9

Kinetics of non-equilibrium metabolism-coupled passive transport in biosystems. Baláž S, et al. **Gen Physiol Biophys** 1987 Feb;6(1):65–77

Effect of ginger on metabolic rate. Henry CJ, et al. **Hum Nutr Clin Nutr** 1987 Jan;41(1):89–92

Upper and lower body anaerobic power: comparison between biathletes and control subjects. Patton JF, et al. **Int J Sports Med** 1987 Apr;8(2):94–8

Magnesium homeostasis during high-intensity anaerobic exercise in men. Deuster PA, et al. **J Appl Physiol** 1987 Feb;62(2):545–50

L-arginine is required for expression of the activated macrophage effector mechanism causing selective metabolic inhibition in target cells. Hibbs JB Jr, et al. **J Immunol** 1987 Jan 15;138(2):550–65

Nutrition and metabolism in spaceflight. Altman PL, et al. **J Nutr** 1987 Mar;117(3):421–7

Cephalic reflexes: their role in digestion and possible roles in absorption and metabolism. Giduck SA, et al. **J Nutr** 1987 Jul;117(7):1191–6 (71 ref.)

Chemical dynamic approach to synergetics and instability in biological systems. Shirane K, et al. **J Theor Biol** 1986 Nov 21;123(2):187–92

The connections between particle flow and mechanical, electrical and chemical work. Williams RJ. **J Theor Biol** 1986 Jul 7;121(1):1–22

Familial dependence of the resting metabolic rate [letter] **N Engl J Med** 1986 Dec 25;315(26):1678–9

Kinetic models of metabolism. Wellner U. **Nuklearmedizin** 1986 Aug;25(4):138–41

The effects of repeated cycles of weight loss and regain in rats. Brownell KD, et al. **Physiol Behav** 1986 Oct; 38(4):459–64

The hypothalamus, intrinsic connections and outflow pathways to the endocrine system in relation to the control of feeding and metabolism. Luiten PG, et al. **Prog Neurobiol** 1987;28(1):1–54 (130 ref.)

Tissue metabolism studied in vivo by nuclear magnetic resonance. Williams SR, et al. **Q J Exp Physiol** 1986 Jul; 71(3):335–60 (135 ref.)

Sources of error and variability in the determination of anaerobic threshold in healthy humans. Garrard CS, et al. **Respiration** 1987;51(2):137–45

25th anniversary of the Institute of Clinical Biochemistry, University of Oslo. **Scand J Clin Lab Invest [Suppl]** 1986; 184:1–132

Metabolic Catch-22 of exercise regimens [news] Kolata G. **Science** 1987 Apr 10;236(4798):146–7

[Degree of stability of metabolic chain with 1 feedback loop] Kholodenko BN. **Biofizika** 1987 May–Jun;32(3):424–8 (Eng. Abstr.) **(Rus)**

[Study of the age dynamics of a metabolic and immune complex of indicators by the technic of statusometry] Dil'man VM, et al. **Fiziol Cheloveka** 1986 Sep–Oct; 12(5):857–61 **(Rus)**

[Mathematical modelling of the intensity of metabolic processes under different environmental conditions] Gondzhilashvili IaI, et al. **Vestn Akad Med Nauk SSSR** 1987;(2):81–8 (Eng. Abstr.) **(Rus)**

[Metabolism and nutrition of young children in a children's home] Saava ME, et al. **Vopr Pitan** 1987 May–Jun;(3):35–8 (Eng. Abstr.) **(Rus)**

[Biochemical complications of experimental vesico-sigmoidostomy] Nuñez R, et al. **An Esp Pediatr** 1987 Mar;26(3):209–14 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Physiological increments in epinephrine stimulate metabolic rate in humans. Staten MA, et al. **Am J Physiol** 1987 Sep; 253(3 Pt 1):E322–30

Metabolic and circulatory responses to the ingestion of glucose polymer and glucose/electrolyte solutions during exercise in man. Maughan RJ, et al. **Eur J Appl Physiol** 1987;56(3):356–62

Applications of hormones in the metabolic regulation of growth and lactation in ruminants. Tucker HA, et al. **Fed Proc** 1987 Feb;46(2):300–6

Metabolic effects induced by long-term feeding of medium-chain triglycerides in the rat. Crozier G, et al. **Metabolism** 1987 Aug;36(8):807–14

Metabolic and cardiovascular responses to epinephrine in diabetic autonomic neuropathy. Hilsted J, et al. **N Engl J Med** 1987 Aug 13;317(7):421–6

Effects of scopolamine on locomotor activity and metabolic rate in mice. Bushnell PJ. **Pharmacol Biochem Behav** 1987 Jan;26(1):195–8

Effects of kerosene hydrocarbons on tissue metabolism in rats. Starek A, et al. **Pol J Pharmacol Pharm** 1986 Sep–Dec; 38(5–6):461–9

[Modulation of the hypermetabolizing effect of various drugs by actinomycin D] Giorgi G, et al. **Minerva Endocrinol** 1986 Oct–Dec;11(4):235–44 (Eng. Abstr.) **(Ita)**

[Effects of oral bunazosin hydrochloride on hemodynamic and metabolic responses to exercise (ergometer, 25W, 5 min) in patients with severe congestive heart failure] Morimoto Y, et al. **Kokyu To Junkan** 1987 Feb;35(2):185–9 (Eng. Abstr.) **(Jpn)**

[Effect of the synthetic enkephalin dalargin on metabolic indices in myocardial infarct patients] Zoloev GK, et al. **Kardiologiia** 1987 Feb;27(2):93–4 **(Rus)**

RADIATION EFFECTS

Metabolic and vasomotor responses of rhesus monkeys exposed to 225-MHz radiofrequency energy. Lotz WG, et al. **Bioelectromagnetics** 1987;8(1):73–89

METABOLISM AND ENDOCRINOLOGY (SPECIALTY) see **ENDOCRINOLOGY**

METABOLISM, INBORN ERRORS

see related

ANEMIA, HEMOLYTIC, CONGENITAL

Annual meeting of the Society for the Study of Inborn Errors of Metabolism. Amersfoort, 9–12 September 1986. Short communications. **J Inherited Metab Dis** 1987;10 Suppl 2:201–332

Annual meeting of the Society for the Study of Inborn Errors of Metabolism. Liverpool, 3–6 September 1985. **J Inherited Metab Dis** 1986;9 Suppl 2:157–335

Some inborn errors of skeletal metabolism. **Semin Roentgenol** 1986 Oct;21(4):239–99

Genetic defects in vitamin utilization. Part I: General aspects and fat-solumbe vitamins. Elsas LJ, et al. **Vitam Horm** 1986; 43:103–44 (176 ref.)

BLOOD

Nonketotic hyperglycinemia: analyses of glycine cleavage system in typical and atypical cases. Hayasaka K, et al. **J Pediatr** 1987 Jun;110(6):873–7

[Hypercalcemia in pseudohypoaldosteronism] Lamireau T, et al. **Pediatrie** 1986 Jul–Aug;41(5):419–24 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Prolidase deficiency. A metabolic disorder presenting with dermatologic signs. Freij BJ, et al. **Int J Dermatol** 1986 Sep;25(7):431–3

Systemic carnitine deficiency as the cause of a prolonged illness and sudden death in a six-year-old child. Legge M. **J Inherited Metab Dis** 1985;8(3):159

Diagnosis of Zellweger syndrome by analysis of bile acids and plasmalogens in stored dried blood collected at neonatal screening. Gustafsson J, et al. **J Pediatr** 1987 Aug; 111(2):264–7

Pharmacogenetic approaches to the prediction of drug response. Vesell ES. **Natl Inst Drug Abuse Res Monogr Ser** 1986;66:25–40

Familial apoceruloplasmin deficiency associated with blepharospasm and retinal degeneration. Miyajima H, et al. **Neurology** 1987 May;37(5):761–7

Teratogenic inborn errors of metabolism. Leonard JV. **Postgrad Med J** 1986 Feb;62(724):125–9 (40 ref.)

[Inborn errors of metabolism and "unexplained" sudden infant death] Harpey JP, et al. **Bull Acad Natl Med (Paris)** 1987 Feb;171(2):261–9 (Eng. Abstr.) **(Fre)**

[Cardiovascular involvement in inborn errors of metabolism] Valsasina R, et al. **Minerva Pediatr** 1986 Nov 15; 38(21):979–93 (Eng. Abstr.) **(Ita)**

[Suspected pyruvate carboxylase deficiency in 4 children with Leigh disease] Pronicka E, et al. **Neurol Neurochir Pol** 1986 Mar–Apr;20(2):89–94 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Inherited metabolic disease in the newborn: approach to diagnosis and treatment. Goodman SI. **Adv Pediatr** 1986; 33:197–223 (59 ref.)

Early detection of lysosomal storage diseases. Kolodny EH. **Ann NY Acad Sci** 1986;477:312–20

The diagnostic value of ultrastructural studies of skin–punch biopsies and buffy coat for the early diagnosis of some neurodegenerative diseases. Wisniewski KE. **Ann NY Acad Sci** 1986;477:285–311

The Quebec Network of Genetic Medicine. Charbonneau M, et al. **Can J Public Health** 1987 Mar–Apr;78(2):79–83

A new solid–phase assay for biotin and biocytin and its application to the study of patients with biotinidase deficiency. Chan PW, et al. **Clin Chim Acta** 1986 Sep 15; 159(2):185–96

Clinical correlation of dysequilibrium syndrome and 4–hydroxybutyric aciduria. Gibson KM, et al. **J Inherited Metab Dis** 1985;8(2):58

The study of inborn errors of metabolism in Lebanon. Alexander DR. **J Med Liban** 1986;36(2):54–61

Screening of inherited oligosaccharidurias among mentally retarded patients in northern Finland. Aula P, et al. **J Ment Defic Res** 1986 Dec;30 (Pt 4):365–8

Diagnosis of inborn errors of metabolism. Wong HB. **J Singapore Paediatr Soc** 1986;28(1–2):45–53

Screening siblings for inborn errors of fatty acid metabolism in families with a history of sudden infant death [letter] Bennett MJ, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1470

Post–mortem recognition of inherited metabolic disorders from specific acylcarnitines in tissue in cases of sudden infant death [letter] Roe CR, et al. **Lancet** 1987 Feb 28; 1(8531):512

Inborn errors of metabolism: the clinical diagnosis in early infancy. Burton BK. **Pediatrics** 1987 Mar;79(3):359–69 (27 ref.)

Cultured amniotic fluid cells for prenatal diagnosis of lysosomal storage disorders: a methodological study. Arnon J, et al. **Prenat Diagn** 1986 Sep–Oct;6(5):351–61

Postnatal and antenatal laboratory diagnosis of glutaric aciduria II in a South African family. Henderson HE, et al. **S Afr Med J** 1987 May 2;71(9):589–91

[Diagnosis of lysosomal storage diseases] Aula P, et al. **Duodecim** 1986;102(20):1522–34 **(Fin)**

[Sulfite and xanthine oxidase deficiency: a diagnosis based on 2 simple tests] Hervé F, et al. **Ann Pediatr (Paris)** 1986 Nov;33(9):857 **(Fre)**

[Combined sulfite and xanthine oxidase deficiency due to an anomaly in the metabolism of molybdenum cofactor] Lagier P, et al. **Ann Pediatr (Paris)** 1986 Nov;33(9):825–8 (Eng. Abstr.) **(Fre)**

[Screening tests in medical genetics] Velisavljev MD, et al. **Med Pregl** 1986;39(9–10):477–81 (Eng. Abstr.) **(Scr)**

DIET THERAPY

Osmolalities of selected enteral products and carbohydrate modules used to treat inherited metabolic disorders. Martin SB, et al. **J Am Diet Assoc** 1987 Jan;87(1):48–52

The role of lipid in the management of methylmalonic acidaemia: administration of linoleic acid does not increase excretion of methylmalonic acid. Wolff JA, et al. **J Inherited Metab Dis** 1985;8(3):100

DRUG THERAPY

Riboflavin–responsive ethylmalonic–adipic aciduria. Green A, et al. **J Inherited Metab Dis** 1985;8(2):67–70

Cobalamin E disease in an infant. **Nutr Rev** 1986 Jul; 44(7):239–41

ENZYMOLOGY

Cytochrome oxidase deficiency: clinical and biochemical heterogeneity. DiMauro S, et al. **Ann NY Acad Sci** 1986; 488:19–32 (42 ref.)

Immunological evidence for a carbamylphosphate synthetase lesion resulting in the formation of enzyme with altered sub–unit size. Hoogenraad NJ, et al. **J Inherited Metab Dis** 1986;9(4):367–73

ETHNOLOGY

[Pediatrics and ethnic minorities. II. Specific problems] Schulpen TW. **Ned Tijdschr Geneeskd** 1987 May 2; 131(18):754–8 **(Dut)**

FAMILIAL & GENETIC

Failure of lysosomal release of vitamin B12: a new complementation group causing methylmalonic aciduria (cblF). Watkins D, et al. **Am J Hum Genet** 1986 Sep; 39(3):404–8

Pulmonary emphysema in a nonsmoking patient with Salla disease. Pääkkö P, et al. **Am Rev Respir Dis** 1987 Apr; 135(4):979–82

The inherited neurodegenerative disorders of childhood: clinical assessment. Percy AK. **J Child Neurol** 1987 Apr; 2(2):82–97

Trimethylaminuria (fish–odour syndrome): an inborn error of oxidative metabolism [letter] Al–Waiz M, et al. **Lancet** 1987 Mar 14;1(8533):634–5

Genetic factors in copper deficiency. **Nutr Rev** 1987 Feb; 45(2):60–2

Recently described defects in vitamin B12 metabolism. **Nutr Rev** 1986 Jul;44(7):236–8 (11 ref.)

[A family with venous thrombosis and hereditary protein S deficiency] Michiels JJ, et al. **Ned Tijdschr Geneeskd** 1987 Jun 13;131(24):1043–7 (Eng. Abstr.) **(Dut)**

[Triosephosphate isomerase deficiency. Familial survey and prenatal detection] Poinsot J, et al. **Arch Fr Pediatr** 1987 May;44(5):365–8 (Eng. Abstr.) **(Fre)**

[Molecular biology of hereditary corneal diseases] Thiel HJ, et al. **Fortschr Ophthalmol** 1987;84(2):118–25 (Eng. Abstr.) **(Ger)**

[Monogenic inheritance: metabolic disorders] Braga S. **Ther Umsch** 1986 Dec;43(12):916–21 (Eng. Abstr.) **(Ger)**

[Current achievements, problems and prospects in the study of hereditary enzymopathies in humans] Vidershain GIa. **Vestn Akad Med Nauk SSSR** 1986;(10):81–8 (80 ref.) **(Rus)**

METABOLISM

Inborn defects of the mitochondrial portion of the urea cycle. Colombo JP, et al. **Ann NY Acad Sci** 1986;488:109–17 (52 ref.)

Targeting of nuclear–encoded proteins to the mitochondrial matrix: implications for human genetic defects. Rosenberg LE, et al. **Ann NY Acad Sci** 1986;488:99–108

Galactosialidosis: a direct evidence that a 46–kilodalton protein restores deficient enzyme activities in fibroblasts. Nanba E, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):138–42

In vitro acetylcholine synthesis and oxidative metabolism during development of normal and brindled mouse brain. Peterson C, et al. **Brain Res** 1986 Oct;394(2):153–9

Urate and p–aminohippurate transport in isolated kidney tubules of normal and hyperuricemic chickens. Kuo SM, et al. **Comp Biochem Physiol [A]** 1987;86(4):713–21

Disturbed metabolism of copper and zinc in aspartylglycosaminuria: possible involvement with connective tissue changes. Näntö–Salonen K, et al. **J Inherited Metab Dis** 1985;8(4):212–8

The effect of D–(+)–glucosamine on levels of free N–acetylneuraminic acid and UDP–N–acetylhexosamines in infantile sialic acid storage disease (ISSD) fibroblasts. Paschke E, et al. **J Inherited Metab Dis** 1987;10(1):48–51

Combined xanthine and sulphite oxidase defect due to a deficiency of molybdenum cofactor. Roesel RA, et al. **J Inherited Metab Dis** 1986;9(4):343–7

Sudden infant death syndrome and multiple acyl–coenzyme A dehydrogenase deficiency, ethylmalonic–adipic aciduria, or systemic carnitine deficiency. Harpey JP, et al. **J Pediatr** 1987 Jun;110(6):881–4

Nonlinear elimination of benzoate in patients with congenital hyperammonemia. Oyanagi K, et al. **J Pediatr** 1987 Apr; 110(4):634–6

Lysosomal storage diseases [editorial] **Lancet** 1986 Oct 18; 2(8512):898–9

Paediatric gastroenterology: lessons of inborn errors. Milla PJ. **Postgrad Med J** 1986 Feb;62(724):101–5 (21 ref.)

Inborn errors of bile acid synthesis. Setchell KD, et al. **Semin Liver Dis** 1987 May;7(2):85–99 (120 ref.)

OCCURRENCE

Follow–up study of 16 years neonatal screening for inborn errors of metabolism in West Germany. Mathias D, et al. **Eur J Pediatr** 1986 Sep;145(4):310–2

PATHOLOGY

Assembly of the mitochondrial ribosomes in a temperature–conditional mutant of Saccharomyces cerevisiae defective in the synthesis of the var1 protein. Hibbs AR, et al. **Biochim Biophys Acta** 1987 Feb 27; 908(2):179–87

Salla disease in one non–Finnish patient. Echenne B, et al. **Eur J Pediatr** 1986 Sep;145(4):320–2

Hepatic morphology in the inherited metabolic diseases. Ishak KG. **Semin Liver Dis** 1986 Aug;6(3):246–58 (106 ref.)

Other inborn errors of skeletal metabolism. Subbarao K, et al. **Semin Roentgenol** 1986 Oct;21(4):256–63

[Ultrastructural study of conjunctival biopsies in metabolic diseases of the nervous system] Rosemberg S, et al. **Arq Neuropsiquiatr** 1987 Mar;45(1):7–15 (Eng. Abstr.) **(Por)**

PHYSIOPATHOLOGY

New approaches in peroxisomal disorders. Moser HW. **Dev Neurosci** 1987;9(1):1–18 (93 ref.)

PREVENTION & CONTROL

Proposed guidelines for screening of metabolic and endocrine diseases of dependent neonates of the U.S. Armed Forces. Derived from a survey of state guidelines for neonatal screening of metabolic diseases. Tiwary CM. **Clin Pediatr (Phila)** 1987 Jul;26(7):349–54

Newborn screening for metabolic disorders. DiSalvo AF. **J SC Med Assoc** 1987 May;83(5):276–7

[Possible interfering factors in the screening of newborn infants for inborn errors of metabolism and measures for their prevention] Mathias D, et al. **Monatsschr Kinderheilkd** 1987 May;135(5):282–4 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

A case of glutaric aciduria type I with unique abnormalities in the cerebral CT findings. Yamaguchi S, et al. **Tohoku J Exp Med** 1987 Mar;151(3):293–9

THERAPY

Bone–marrow transplantation for neurovisceral storage disorders [editorial] **Lancet** 1986 Oct 4;2(8510):788–9

[Treatment of critically ill newborn infants with possible metabolic disease] Knudtzon J, et al. **Tidsskr Nor Laegeforen** 1986 Sep 10;106(25):2061–3 (Eng. Abstr.) **(Nor)**

URINE

Metabolic profiles of urinary organic acids recovered from absorbent filter paper. Chamberlin BA, et al. **Clin Chem** 1987 Apr;33(4):572–6

Urinary organic acids: isolation and quantification for routine metabolic screening. Greter J, et al. **Clin Chem** 1987 Apr; 33(4):473–80

Revised method of 1H–NMR urinalysis for detecting inborn errors of metabolism. Yamamoto H, et al. **Clin Chem** 1987 May;33(5):714–5

Possibilities of selective screening for inborn errors of metabolism using high–resolution 1H–FT–NMR spectrometry. Lehnert W, et al. **Eur J Pediatr** 1986 Sep; 145(4):260–6

Quantitative gas chromatographic determination of urinary hydantoin–5–propionic acid in patients with disorders of folate/vitamin B12 metabolism. Duran M, et al. **J Chromatogr** 1986 Sep 5;381(2):401–5

METACARPOPHALANGEAL JOINT see under **FINGER JOINT**

METACARPUS

Osteomyelitis due to Haemophilus aphrophilus. Thomas E, et al. **Can Med Assoc J** 1987 Apr 15;136(8):841–2

Intraosseous ganglion in the first metacarpal bone. Kenan S, et al. **J Hand Surg [Am]** 1987 May;12(3):471–3

[Osteomyelitis of the metacarpal bone and metatarsal bones II and IV in the horse] Verschooten F, et al. **DTW** 1987 Jun 9;94(6):330–3 (Eng. Abstr.) **(Ger)**

ABNORMALITIES

Idiopathic bilaterally symmetrical brachymetacarpia of the fourth and fifth metacarpals. Cohn BT, et al. **J Hand Surg [Am]** 1986 Sep;11(5):735–7

[Ectrodactyly] Magnani F, et al. **Radiol Med (Torino)** 1987 Apr;73(4):353–4 **(Ita)**

[Clinical and genetic study of malformations of the radial axis] Renteria M, et al. **Bol Med Hosp Infant Mex** 1986 Aug;43(8):489–96 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Metacarpophalangeal pattern profiles in Venezuelan and northern Caucasoid samples compared. Arias–Cazorla S, et al. **Am J Phys Anthropol** 1987 May;73(1):71–80

The rhythmic relation between antler and bone porosity in Danish deer. Brockstedt–Rasmussen H, et al. **Bone** 1987; 8(1):19–22

GROWTH & DEVELOPMENT

Metacarpal measurements in X–linked hypophosphataemic rickets. Herweijer TJ, et al. **Helv Paediatr Acta** 1986 Oct; 41(4):331–8

[Age characteristics of the development of the cortices of metacarpal bones] Liu BL. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1987 Jan;21(1):17–20 (Eng. Abstr.) **(Chi)**

INJURIES

Metacarpal fractures. Moutet F, et al. **Ann Chir Main** 1987; 6(1):5–14 **(Eng, Fre)**

A "cracking" complication of hemiarthroplasty of the hip. Brenkel IJ, et al. **Br Med J [Clin Res]** 1986 Dec 20–27; 293(6562):1648

The classic. On fracture of the metacarpal bone of the thumb. By Edward H. Bennett, 1886. **Clin Orthop** 1987 Jul; (220):3–6

Bone healing in the hand. Brennwald J. **Clin Orthop** 1987 Jan;(214):7–10

Use of a minicondylar plate for metacarpal and phalangeal periarticular injuries. Büchler U, et al. **Clin Orthop** 1987 Jan;(214):53–8

Treatment of Bennett, Rolando, and vertical intraarticular trapezial fractures. Foster RJ, et al. **Clin Orthop** 1987 Jan; (214):121–9

Treatment of unstable metacarpal and phalangeal fractures with tension band wiring techniques. Greene TL, et al. **Clin Orthop** 1987 Jan;(214):78–84

Treatment of metacarpal and phalangeal fractures in noncompliant patients. Hall RF Jr. **Clin Orthop** 1987 Jan; (214):31–6

Unstable metacarpal and phalangeal fracture treatment with screws and plates. Hastings H 2d. **Clin Orthop** 1987 Jan; (214):37–52

Fractures of the basal joint of the thumb. Howard FM.

Clin Orthop 1987 Jul;(220):46–51

Biomechanics of small bone fixation. Jones WW. **Clin Orthop** 1987 Jan;(214):11–8 (52 ref.)

Expandable intramedullary device for treatment of fractures in the hand. Lewis RC Jr, et al. **Clin Orthop** 1987 Jan; (214):85–92

Conservative management of difficult phalangeal fractures. Reyes FA, et al. **Clin Orthop** 1987 Jan;(214):23–30

Complications of plate fixation in the hand skeleton. Stern PJ, et al. **Clin Orthop** 1987 Jan;(214):59–65

Fractures and dislocations of the metacarpals and phalanges. Brunet ME, et al. **Clin Sports Med** 1986 Oct;5(4):773–81

Management of fractures and exostosis of the metacarpals and metatarsals II and IV in 25 horses. Allen D, et al. **Equine Vet J** 1987 Jul;19(4):326–30

Luxation of the metacarpophalangeal and metatarsophalangeal joints in horses. Yovich JV, et al. **Equine Vet J** 1987 Jul;19(4):295–8

Immediate mobilization of fractures of the neck of the fifth metacarpal. Arafa M, et al. **Injury** 1986 Jul;17(4):277–8

Fractures of the metacarpal neck of the little finger. Lowdon IM. **Injury** 1986 May;17(3):189–92

Nuclear scintigraphic evaluation of third metacarpal and metatarsal bone fractures in three horses. Markel MD, et al. **J Am Vet Med Assoc** 1987 Jul 1;191(1):75–7

Microvascular distant transfer of a cervical axial–pattern skin flap in a dog. Miller CW, et al. **J Am Vet Med Assoc** 1987 Jan 15;190(2):203–4

Metacarpal and metatarsal fractures in dairy cattle: 33 cases (1979–1985). Tulleners EP. **J Am Vet Med Assoc** 1986 Aug 15;189(4):463–8

Carpometacarpal dislocation. An easily missed diagnosis. Henderson JJ, et al. **J Bone Joint Surg [Br]** 1987 Mar; 69(2):212–4

Metacarpal epiphyseal fractures. Light TR, et al. **J Hand Surg [Am]** 1987 May;12(3):460–4

Functional bracing of fractures of the second through fifth metacarpals [published erratum appears in J Hand Surg [Am] 1987 May;12(3):480] Viegas SF, et al. **J Hand Surg [Am]** 1987 Jan;12(1):139–43

Regional bone mineral density changes after Colles' and forehand fractures. Finsen V, et al. **J Hand Surg [Br]** 1986 Oct;11(3):357–9

Fractures of the metacarpals: treatment by A. O. screw and plate fixation. Ford DJ, et al. **J Hand Surg [Br]** 1987 Feb; 12(1):34–7

Osteosynthesis for the unstable fracture of the hand. Thakore HK. **J Hand Surg [Br]** 1986 Oct;11(3):417–21

Avulsion fracture of the index metacarpal. Treble N, et al. **J Hand Surg [Br]** 1987 Feb;12(1):38–9

Boxer's fractures—conservative or operative management? McKerrell J, et al. **J Trauma** 1987 May;27(5):486–90

Condylar fracture of the cannon bone with axial sesamoid fracture in three horses. Greet TR. **Vet Rec** 1987 Mar 7; 120(10):223–5

[Treatment of Bennet fractures using the Lars Thoren method of oblique skeletal traction] Pitřík J, et al. **Acta Chir Orthop Traumatol Cech** 1986 Dec;53(6):515–20 (Eng. Abstr.) **(Cze)**

[Osteosynthesis with plate and screws of closed extra–articular fractures of the base of the first metacarpal bone. Apropos of 9 cases] Loup J. **J Chir (Paris)** 1986 Nov; 123(11):670–3 (Eng. Abstr.) **(Fre)**

[Non–invasive treatment of fractures of the neck of the metacarpal bones] Pessina R, et al. **Chir Organi Mov** 1986 Jul–Aug;71(3):255–8 (Eng. Abstr.) **(Ita)**

[A method of transosseous distraction osteosynthesis of subcapital fractures of the metacarpals] Kopysova VA. **Ortop Travmatol Protez** 1987 Feb;(2):7–8 **(Rus)**

PATHOLOGY

Quantitative metacarpal bone measurements before and after renal transplantation. Andresen J, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jul–Aug;27(4):437–42

PHYSIOLOGY

Effects of age and diet on the development of mechanical strength by the third metacarpal and metatarsal bones of young horses. Glade MJ, et al. **J Anim Sci** 1986 Nov; 63(5):1432–44

PHYSIOPATHOLOGY

[Bending stress of the 1st–5th metacarpal bones] Koebke J, et al. **Unfallchirurg** 1987 Mar;90(3):117–21 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Decline in skin collagen content and metacarpal index after the menopause and its prevention with sex hormone replacement. Brincat M, et al. **Br J Obstet Gynaecol** 1987 Feb;94(2):126–9

Response of skin thickness and metacarpal index to estradiol therapy in postmenopausal women. Brincat M, et al. **Obstet Gynecol** 1987 Oct;70(4):538–41

Metacarpal bone mass in the white and coloured populations of the Cape. Wagener GW, et al. **S Afr Med J** 1987 Aug 1;72(3):205–8

Evaluation of radiographic abnormalities of the hand in patients with the Mayer–Rokitansky–Küster–Hauser syndrome. Strübbe EH, et al. **Skeletal Radiol** 1987; 16(3):227–31

[Dislocation of the first carpo–metacarpal joint] Jensen PR, et al. **Ugeskr Laeger** 1987 Mar 30;149(14):898–900 (Eng. Abstr.) **(Dan)**

SURGERY

Elongation of fingers after post–traumatic amputations in children and adolescents. Yankov E. **Acta Chir Plast** 1986; 28(4):220–31

Qualitative aspects of the incorporation of equine cancellous bone grafts. Kold SE, et al. **Equine Vet J** 1987 Mar; 19(2):111–9

Trapeziometacarpal total joint replacement using the Steffee prosthesis. Ferrari B, et al. **J Bone Joint Surg [Am]** 1986 Oct;68(8):1177–84

METAETHICS see **ETHICS**

METAGONIMIASIS see **TREMATODE INFECTIONS**

METAGONIMUS see **HETEROPHYIDAE**

METAL METABOLISM, INBORN ERRORS

DRUG THERAPY

Potential use of tetrathiomolybdate in copper storage diseases. Gooneratne SR. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:518–23

METALLO–ORGANIC COMPOUNDS see **ORGANOMETALLIC COMPOUNDS**

METALLOPORPHYRINS

Deoxyribonucleic acid cleavage specificity of a series of acridine– and acodazole–iron porphyrins as functional bleomycin models. Lown JW, et al. **Biochemistry** 1986 Sep 9;25(18):5111–7

DNA cleavage specificity of a group of cationic metalloporphyrins. Ward B, et al. **Biochemistry** 1986 Nov 4;25(22):6875–83

Photoinitiated ion movements in bilayer membranes containing magnesium octaethylporphyrin. Woodle MC, et al. **Biophys J** 1986 Sep;50(3):431–9

Chemical properties of water–soluble porphyrins. 5. Reactions of some manganese (III) porphyrins with the superoxide and other reducing radicals. Weinraub D, et al. **Int J Radiat Biol** 1986 Oct;50(4):649–58

Spin, oxidation, and ligand states of p–nitrothiophenolatoiron(III) complex of protoporphyrin–IX–dimethylester in the presence of 1–MeIm: magnetic circular dichroism and 1H nuclear magnetic resonance spectroscopic studies. Ookubo S, et al. **J Inorg Biochem** 1987 Jan;29(1):1–23

ANALYSIS

Catalase–like catalytic activity of ion–exchange resins modified with metalloporphyrins. Saito Y, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):2885–9

Characterization of nanogram levels of metalloporphyrins with thin–layer chromatography–resonance Raman spectroscopy. Armstrong DW, et al. **J Chromatogr** 1986 Nov 7;369(1):227–30

BLOOD

[Zinc protoporphyrin in the blood as a screening indicator of occupational hazards produced by lead] Chen ZQ. **Chung Hua I Hsueh Tsa Chih** 1986 Aug;66(8):484–7 **(Chi)**

ISOLATION & PURIFICATION

Separation of metalloporphyrins from metallation reactions by liquid chromatography and electrophoresis. Duff GA, et al. **J Chromatogr** 1987 Apr 24;416(1):71–80

METABOLISM

DNA binding specificity of a series of cationic metalloporphyrin complexes. Ward B, et al. **Biochemistry** 1986 Dec 2;25(24):7827–33

Studies on the mechanism of selective retention of porphyrins and metalloporphyrins by cancer cells. Megnin F, et al. **Biochim Biophys Acta** 1987 Jul 6;929(2):173–81

Tissue distribution and stability of metalloporphyrin MRI contrast agents. Lyon RC, et al. **Magn Reson Med** 1987 Jan;4(1):24–33

PHARMACODYNAMICS

DNA cleavage specificity of a group of cationic metalloporphyrins. Ward B, et al. **Biochemistry** 1986 Nov 4;25(22):6875–83

Synthetic metalloporphyrins: a class of compounds of pharmacological interest. Kappas A, et al. **Bioessays** 1985 Dec;3(6):256–9

METALLOPROTEINS

Preparation and spectroscopic studies of cobalt(II)–substituted cucumber basic blue protein "plantacyanin". Sakurai T. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):961–6

Determination of relative spin concentration in some high–spin ferric proteins using E/D–distribution in electron paramagnetic resonance simulations. Yang AS, et al. **Biophys J** 1987 Jan;51(1):55–67

The structure of NADH:ubiquinone oxidoreductase from beef–heart mitochondria. Crystals containing an octameric arrangement of iron–sulphur protein fragments. Brink J, et al. **Eur J Biochem** 1987 Jul 15;166(2):287–94

Crystallization of a high potential iron–sulfur protein from the halophilic phototrophic bacterium Ectothiorhodospira halophila. Holden HM, et al. **J Biol Chem** 1986 Nov 5; 261(31):14746–7

Three–dimensional structure of the iron–sulfur flavoprotein trimethylamine dehydrogenase at 2.4–A resolution. Lim LW, et al. **J Biol Chem** 1986 Nov 15;261(32):15140–6

Mössbauer study of Clostridium pasteurianum hydrogenase II. Evidence for a novel three–iron cluster. Rusnak FM, et al. **J Biol Chem** 1987 Jan 5;262(1):38–41

Preferences of the side chains in proteins for helix, beta strand, turn, and other conformations. Secondary structures of copper proteins. Lundeen M. **J Inorg Biochem** 1986 Jul; 27(3):151–62

ADMINISTRATION & DOSAGE

[Use of intra– and peri–articular peroxide dismutase in clinical orthopedic practice] Pessina R, et al. **Chir Ital** 1987 Feb; 39(1):107–14 (Eng. Abstr.) **(Ita)**

[Intra–articular orgotein and corticosteroids in rheumatoid arthritis: comparative clinical results] Amato AM, et al. **Clin Ter** 1986 Oct 31;119(2):119–25 (Eng. Abstr.) **(Ita)**

[Intra–focal orgotein in the treatment of plastic penile induration] Altomare GF, et al. **G Ital Dermatol Venereol** 1986 Jul–Aug;121(4):289–91 (Eng. Abstr.) **(Ita)**

[Plastic penile induration: diagnosis and ionophoretic treatment with orgotein] Piediferro G, et al. **Minerva Urol Nefrol** 1986 Jul–Sep;38(3):257–61 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Orgotein in radiation treatment of bladder cancer. A report on allergic reactions and lack of radioprotective effect. Nielsen OS, et al. **Acta Oncol** 1987;26(2):101–4

Anaphylaxis after intra–articular injection of orgotein. Detection of an IgE–mediated mechanism. Díez–Gómez ML, et al. **Allergy** 1987 Jan;42(1):74–6

[Morvan's fibrillary chorea following chrysotherapy] Niederberger P, et al. **Rev Rhum Mal Osteoartic** 1986 Nov; 53(11):659–60 **(Fre)**

[Herpes zoster—an unusual complication of gold therapy] Murav'ev IuV, et al. **Ter Arkh** 1987;59(4):136–7 (Eng. Abstr.) **(Rus)**

ANALYSIS

The circular–dichroic properties of the 'Rieske' iron–sulphur protein in the mitochondrial ubiquinol: cytochrome c reductase. Degli Esposti M, et al. **Biochem J** 1987 Jan 1; 241(1):285–90

Purification and properties of formate dehydrogenase from Pseudomonas aeruginosa. Characterization of haem and iron–sulphur centres by magnetic–circular–dichroism and electron–paramagnetic–resonance spectroscopy. Godfrey C, et al. **Biochem J** 1987 Apr 1;243(1):225–33

Nickel–[iron–sulfur]–selenium–containing hydrogenases from Desulfovibrio baculatus (DSM 1743). Redox centers and catalytic properties. Teixeira M, et al. **Eur J Biochem** 1987 Aug 17;167(1):47–58

The use of metalloproteins as standards for X–ray microanalysis of biological material. el–Masry MH, et al. **J Biochem Biophys Methods** 1986 Dec;13(6):305–14

The 110–kDa reaction center protein of photosystem I, P700–chlorophyll a–protein 1, is an iron–sulfur protein. Høj PB, et al. **J Biol Chem** 1986 Oct 25;261(30):14292–300

Gene 32 protein, the single–stranded DNA binding protein from bacteriophage T4, is a zinc metalloprotein. Giedroc DP, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8452–6

[Purification and characterization of lathosterol 5–desaturase from rat liver microsomes by cytochrome b5–sepharose affinity column chromatography: evidence for the non–heme iron protein] Yamaoka K. **Hokkaido Igaku Zasshi** 1986 Nov;61(6):902–8 (Eng. Abstr.) **(Jpn)**

[Iron sources forming nitrosyl complexes in animal tissues] Vanin AF. **Biofizika** 1987 Jan–Feb;32(1):128–31 (Eng. Abstr.) **(Rus)**

[Distribution of cytoplasmic ferroproteins and iron in human kidney tumors] Prokopenko PG, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):221–4 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Inactivation of metalloenzymes by lysinoalanine, phenylethylaminoalanine, alkali–treated food proteins, and sulfur amino acids. Friedman M, et al. **Adv Exp Med Biol** 1986;199:531–60

BLOOD

Effects of extreme hyperinsulinaemia on serum levels of trace

metals, trace metal binding proteins, and electrolytes in normal females. Nestler JE, et al. **Acta Endocrinol (Copenh)** 1987 Feb;114(2):235–42

DEFICIENCY

Biochemical and genetic comparison of two nitrate reductase-deficient pea mutants disturbed in the cofactor. Jacobsen E, et al. **Biochem Genet** 1987 Feb;25(1–2):143–51

Combined xanthine and sulphite oxidase defect due to a deficiency of molybdenum cofactor. Roesel RA, et al. **J Inherited Metab Dis** 1986;9(4):343–7

GENETICS

Sequence homology in the metalloproteins; purple acid phosphatase from beef spleen and uteroferrin from porcine uterus. Hunt DF, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1154–60

Characterization and expression of a murine gene homologous to human EPA/TIMP: a virus-induced gene in the mouse. Gewert DR, et al. **EMBO J** 1987 Mar; 6(3):651–7

Nucleotide sequence encoding the flavoprotein and iron-sulfur protein subunits of the Bacillus subtilis PY79 succinate dehydrogenase complex. Phillips MK, et al. **J Bacteriol** 1987 Feb;169(2):864–73

Isolation and characterization of the nuclear gene encoding the Rieske iron-sulfur protein (RIP1) from Saccharomyces cerevisiae. Beckmann JD, et al. **J Biol Chem** 1987 Jun 25; 262(18):8901–9

IMMUNOLOGY

Monoclonal antibodies against metallothioneins and metalloproteins. Talbot BG, et al. **Mol Immunol** 1986 Oct; 23(10):1133–6

Mechanisms of antibody binding to a protein. Getzoff ED, et al. **Science** 1987 Mar 6;235(4793):1191–6

Chemistry of antibody binding to a protein. Geysen HM, et al. **Science** 1987 Mar 6;235(4793):1184–90

ISOLATION & PURIFICATION

Similarities of physico-chemical and antigenic properties of neurocupreins and extremely acidic copper proteins from chromaffin granules [published erratum appears in Biochem Biophys Acta 1987 Jul 16;925(1):83] Mikaelyan MV, et al. **Biochim Biophys Acta** 1987 Jun 22;924(3):548–55

Isolation and amino acid sequence of the 'Rieske' iron sulfur protein of beef heart ubiquinol:cytochrome c reductase. Schägger H, et al. **FEBS Lett** 1987 Jul 13;219(1):161–8

Studies on nitrate reductase of Clostridium perfringens. IV. Identification of metals, molybdenum cofactor, and iron-sulfur cluster. Seki S, et al. **J Biochem (Tokyo)** 1987 Feb;101(2):503–9

Preliminary X-ray crystallographic study of amicyanin from Paracoccus denitrificans. Lim LW, et al. **J Mol Biol** 1986 May 5;189(1):257–8

METABOLISM

Cytochrome b is necessary for the effective processing of core protein I and the iron-sulfur protein of complex III in the mitochondria. Sen K, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):239–49

Kinetic studies of the copper nitrite reductase from Achromobacter cycloclastes and its interaction with a blue copper protein. Kashem MA, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):563–8

Translocation intermediates on the import pathway of proteins into mitochondria. Hartl FU, et al. **Biochem Soc Trans** 1987 Feb;15(1):95–7

Preferred sites on cytochrome c for electron transfer with two positively charged blue copper proteins, Anabaena variabilis plastocyanin and stellacyanin. Armstrong GD, et al. **Biochemistry** 1986 Nov 4;25(22):6947–51

Fe-S centers in lactyl-CoA dehydratase. Kuchta RD, et al. **Biochemistry** 1986 Nov 18;25(23):7301–7

Characterization of the metal clusters in the nitrogenase molybdenum-iron and vanadium-iron proteins of Azotobacter vinelandii using magnetic circular dichroism spectroscopy. Morningstar JE, et al. **Biochemistry** 1987 Apr 7;26(7):1795–800

Allosteric interactions in sipunculid and brachiopod hemerythrins. Richardson DE, et al. **Biochemistry** 1987 Feb 24;26(4):1003–13

Involvement of a protein with molybdenum cofactor in the in vitro activation of nitrate reductase from a chlA mutant of Escherichia coli K12. Giordano G, et al. **Biochim Biophys Acta** 1987 Aug 21;914(3):220–32

Phospholipid-dependent interaction between dibromothymoquinone and iron-sulfur protein in mitochondrial ubiquinol-cytochrome c reductase. Gwak SH, et al. **Biochim Biophys Acta** 1987 Mar 4;890(3):319–25

Acid-assisted anion interaction with deoxyhemerythrin. Wilkins PC, et al. **Biochim Biophys Acta** 1987 Mar 18; 912(1):48–55

Transport into mitochondria and intramitochondrial sorting of the Fe/S protein of ubiquinol-cytochrome c reductase. Hartl FU, et al. **Cell** 1986 Dec 26;47(6):939–51

Kinetics of electron transfer between two Hansenula anomala flavocytochrome b2 derivatives and two simple copper proteins (azurin and stellacyanin). Silvestrini MC, et al. **Eur J Biochem** 1986 Dec 1;161(2):465–72

Measurement of the oxidation-reduction potentials of amicyanin and c-type cytochromes from Paracoccus denitrificans. Gray KA, et al. **FEBS Lett** 1986 Oct 27; 207(2):239–42

Interaction of stigmatellin and DNP-INT with the Rieske iron-sulfur center of the chloroplast cytochrome b6-f complex. Malkin R. **FEBS Lett** 1986 Nov 24;208(2):317–20

Spectroscopic studies on the interaction of phosphate with uteroferrin. Doi K, et al. **J Biol Chem** 1987 May 25; 262(15):6982–5

Absence of iron transfer from uteroferrin to transferrin. Doi K, et al. **J Biol Chem** 1986 Nov 15;261(32):14936–8

Identification of a stable ubisemiquinone and characterization of the effects of ubiquinone oxidation-reduction status on the Rieske iron-sulfur protein in the three-subunit ubiquinol-cytochrome c oxidoreductase complex of Paracoccus denitrificans. Meinhardt SW, et al. **J Biol Chem** 1987 Jun 25;262(18):8702–6

Oxidation-reduction properties of the two Fe4S4 clusters in Clostridium pasteurianum ferredoxin. Prince RC, et al. **J Biol Chem** 1987 Apr 15;262(11):5125–8

Hydroxyl radical formation and iron-binding proteins. Stimulation by the purple acid phosphatases. Sibille JC, et al. **J Biol Chem** 1987 Jan 5;262(1):59–62

Zinc metalloproteins involved in replication and transcription. Giedroc DP, et al. **J Inorg Biochem** 1986 Oct-Nov;28(2–3):155–69

Molybdenum in enzymatic and heterogeneous catalysis. Mitchell PC. **J Inorg Biochem** 1986 Oct-Nov; 28(2–3):107–23

Metalloenzymes as molecular switches: the role of conformation changes in controlling activity. Pratt JM. **J Inorg Biochem** 1986 Oct-Nov;28(2–3):145–53

Possible function of carbohydrate on glycoproteins secreted by the pig uterus during pregnancy. Roberts RM, et al. **Mol Cell Biochem** 1986 Nov-Dec;72(1–2):67–79

Role of zinc in enzyme regulation and protection of essential thiol groups. **Nutr Rev** 1986 Sep;44(9):309–11

[Iron-sulfur respiratory chain centers, ribonucleotide reductase activity and biosynthesis of macromolecules in the spleen of mice during acute radiation injury] Avakian MA, et al. **Radiobiologiia** 1986 Sep-Oct;26(5):626–30 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Differential loss of enzyme activity by vitC and iron containing proteins. Joshi JG, et al. **Life Sci** 1987 Jul 20; 41(3):305–8

PHYSIOLOGY

Phosphotransferase activity of human alkaline phosphatases and the role of enzyme Zn2+. Stinson RA, et al. **Biochim Biophys Acta** 1987 Jul 7;913(3):272–8

Molybdenum-sensitive transcriptional regulation of the chlD locus of Escherichia coli. Miller JB, et al. **J Bacteriol** 1987 May;169(5):1853–60

RADIATION EFFECTS

[Effect of metronidazole and local irradiation of the tumor on paramagnetic metal complexes of the liver and tumor tissues] Zhumabaeva TT, et al. **Radiobiologiia** 1987 May-Jun;27(3):384–9 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Goldsalts, levamisole and D-penicillamine as first choice slow-acting antirheumatic drugs in rheumatoid arthritis—a long-term follow-up study. Veys EM, et al. **Clin Exp Rheumatol** 1987 Apr-Jun;5(2):111–6

[Orgotein in the treatment of cystalgia with clear urine] Villani U, et al. **J Urol (Paris)** 1986;92(4):264–5 **(Fre)**

[Treatment of contracted bladder with orgotein. Report of experiences] Ströker W, et al. **Urologe [A]** 1986 Jul; 25(4):209–12 (Eng. Abstr.) **(Ger)**

[Use of meso-therapy with orgotein in De Quervain disease] Spagnolini D, et al. **Clin Ter** 1986 Dec 31;119(6):475–8 (Eng. Abstr.) **(Ita)**

[Orgotein and La Peyronie's disease] Boccafoschi C, et al. **Minerva Urol Nefrol** 1987 Apr-Jun;39(2):125–8 (Eng. Abstr.) **(Ita)**

METALLOTHIONEIN

Raman, infrared, and circular dichroism spectroscopic studies on metallothionein: a predominantly "turn"-containing protein. Pande J, et al. **Biochemistry** 1986 Sep 23; 25(19):5526–32

Metallothionein. Dunn MA, et al. **Proc Soc Exp Biol Med** 1987 Jun;185(2):107–19 (100 ref.)

ANALYSIS

Detection of metallothionein on nitrocellulose membrane using Western blotting technique and its application to identification of cadmium-binding proteins. Aoki Y, et al. **Anal Biochem** 1986 Aug 15;157(1):117–22

Metallothionein levels in liver and kidney of Canadians—a potential indicator of environmental exposure to cadmium. Chung J, et al. **Arch Environ Health** 1986 Sep-Oct; 41(5):319–23

Metal-binding protein in the Pacific oyster, Crassostrea gigas: assessment of the protein as a biochemical environmental indicator. Imber BE, et al. **Bull Environ Contam Toxicol** 1987 Apr;38(4):707–14

Quantitation of chick tissue zinc-metallothionein by gel electrophoresis and silver stain enhancement. Lin LY, et al. **Comp Biochem Physiol [C]** 1986;85(1):75–84

The mercury-203 method for evaluating metallothioneins: interference by copper, mercury, oxygen, silver and selenium. Lobel PB, et al. **Comp Biochem Physiol [C]** 1987; 86(1):37–9

Cadmium, zinc, and copper in rabbit kidney metallothionein—relation to kidney toxicity. Elinder CG, et al. **Environ Res** 1987 Apr;42(2):553–62

Euglena gracilis cadmium-binding protein-II contains sulfide ion. Weber DN, et al. **J Biol Chem** 1987 May 25; 262(15):6962–4

Immunocytochemical localization of metallothionein in the rat prostate gland. Bataineh ZM, et al. **Prostate** 1986; 9(4):397–410

Immunohistochemical demonstration of metallothionein in the rat prostate. Umeyama T, et al. **Prostate** 1987; 10(3):257–64

Determination of Cd-thionein in biological materials: comparative standard recovery by five current methods using protein nitrogen for standard calibration. Dieter HH, et al. **Toxicol Appl Pharmacol** 1986 Sep 30;85(3):380–8

An evaluation of tissue metallothionein and genetic resistance to cadmium toxicity in mice. Nolan CV, et al. **Toxicol Appl Pharmacol** 1986 Sep 15;85(2):135–44

Increased metallothionein content in rat liver and kidney following X-irradiation. Shiraishi N, et al. **Toxicol Appl Pharmacol** 1986 Sep 15;85(2):128–34

BIOSYNTHESIS

Induction of metallothionein synthesis in cultured cells by substances released from endotoxin-activated macrophages. Takahashi T, et al. **Acta Med Okayama** 1987 Feb;41(1):19–23

Role of mucosal metallothionein preinduced by oral Cd or Zn on the intestinal absorption of a subsequent Cd dose. Sugawara N, et al. **Bull Environ Contam Toxicol** 1987 Feb; 38(2):295–9

Interaction of metallothionein and carbon tetrachloride on the protective effect of zinc on hepatotoxicity. Clarke IS, et al. **Can J Physiol Pharmacol** 1986 Aug;64(8):1104–10

Prevention of lethal and renal toxicity of cis-diamminedichloroplatinum(II) by induction of metallothionein synthesis without compromising its antitumor activity in mice. Naganuma A, et al. **Cancer Res** 1987 Feb 15;47(4):983–7

Promotion of radioresistance by metallothionein induction prior to irradiation. Matsubara J, et al. **Environ Res** 1987 Jun;43(1):66–74

Induction of metallothionein synthesis in human peripheral blood leukocytes. Peavy DL, et al. **Environ Res** 1987 Apr; 42(2):377–85

Regulation of the ontogeny of rat liver metallothionein mRNA by zinc. Andrews GK, et al. **Eur J Biochem** 1987 Aug 3;166(3):527–31

Increased synthetic capacity for metallothionein in cultured liver cells following dimethyl sulfoxide pretreatment. Waalkes MP, et al. **Exp Cell Res** 1987 Mar;169(1):25–30

Activation of metallothionein expression is potentiated by DNA sequences present in the herpes simplex virus thymidine kinase gene. Lewis JA, et al. **FEBS Lett** 1987 Jun 15;217(2):292–6

Induction of metallothionein synthesis in Menkes' and normal lymphoblastoid cells is controlled by the level of intracellular copper. Sone T, et al. **J Biol Chem** 1987 Apr 25;262(12):5878–85

Specific induction of metallothionein in hairless mouse skin by zinc and dexamethasone. Mullin CH, et al. **J Invest Dermatol** 1987 Aug;89(2):164–6

Metallothionein synthesis and mRNA levels in cultured hepatocytes from lethal milk mutant mice. Piletz JE, et al. **J Nutr** 1987 Jan;117(1):183–8

Induction of metallothionein in a human trophoblast cell line by cadmium and zinc. Wade JV, et al. **Life Sci** 1986 Oct 13;39(15):1361–6

Induction of metallothionein is correlated with resistance to auranofin, a gold compound, in Chinese hamster ovary cells. Monia BP, et al. **Mol Pharmacol** 1987 Jan;31(1):21–6

Metallothionein induction as a potent means of radiation protection in mice. Matsubara J, et al. **Radiat Res** 1987 Aug;111(2):267–75

Depression of toxic effects of anticancer agents by selenium or pretreatment with metallothionein inducers. Imura N, et al. **Sangyo Ika Daigaku Zasshi** 1987 Mar 20;9 Suppl:223–9

Induction of metallothionein by steroids in rat primary hepatocyte cultures. Bracken WM, et al. **Toxicol Appl Pharmacol** 1987 Mar 15;87(3):381–8

Induction of hepatic metallothionein by alcohols: evidence for an indirect mechanism. Bracken WM, et al. **Toxicol Appl Pharmacol** 1987 Feb;87(2):257–63

Induction of hepatic metallothionein following administration of urethane. Brzeznicka EA, et al. **Toxicol Appl Pharmacol** 1987 Mar 15;87(3):457–63

Induction of metallothionein by a macrophage factor and the partial characterization of the factor. Iijima Y, et al. **Toxicol Appl Pharmacol** 1987 Jun 15;89(1):135–40

Induction of metallothionein-I and metallothionein-II in rats by cadmium and zinc. Lehman-McKeeman LD, et al. **Toxicol Appl Pharmacol** 1987 Apr;88(2):195–202

Utilization of methionine as a sulfhydryl source for metallothionein synthesis in rat primary hepatocyte cultures. Stein AF, et al. **Toxicol Appl Pharmacol** 1987 Feb; 87(2):276–83

Enhancement of cadmium–induced metallothionein synthesis in cultured TRL 1215 cells by butyric acid pretreatment. Waalkes MP, et al. **Toxicol Lett** 1986 Sep;32(3):289–94

D–penicillamine induces rat hepatic metallothionein. Heilmaier HE, et al. **Toxicology** 1986 Dec 1;42(1):23–31

Induced synthesis of metallothionein by ascorbic acid in mouse liver. Onosaka S, et al. **Toxicology** 1987 Mar; 43(3):251–9

[Effects of cadmium on metal distribution in the liver and kidney and enzyme activities in the serum during inhibited metallothionein synthesis] Inoue Y, et al. **Nippon Eiseigaku Zasshi** 1986 Dec;41(5):793–9 (Eng. Abstr.) **(Jpn)**

BLOOD

Occupational exposure to cadmium: effect on metallothionein and other biological indices of exposure and renal function. Shaikh ZA, et al. **Arch Toxicol** 1987 Feb;59(5):360–4

Copper transport from Cu(I)–thionein into apo–caeruloplasmin mediated by activated leucocytes. Schechinger T, et al. **Biochem J** 1986 Nov 15;240(1):281–3

Age–dependent effects of acute and chronic intermittent stresses on serum metallothionein. Armario A, et al. **Physiol Behav** 1987;39(2):277–9

GENETICS

Coordinate regulation of zinc metabolism and metallothionein gene expression in rats. Cousins RJ, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):E688–94

Transfection of human skeletal muscle cells with SV40 large T antigen gene coupled to a metallothionein promoter. Hurko O, et al. **Ann Neurol** 1986 Nov;20(5):573–82

Expression of cloned monkey metallothionein in Escherichia coli. Murooka Y, et al. **Appl Environ Microbiol** 1987 Jan; 53(1):204–7

Ontogenically regulated expression of metallothionein and its messenger RNA in chick liver. Chakraborty T, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):226–33

Metallothionein gene expression in fish cell lines: its activation in embryonic cells by 5–azacytidine. Price–Haughey J, et al. **Biochim Biophys Acta** 1987 Feb 27;908(2):158–68

Neuron–specific alternative RNA processing in transgenic mice expressing a metallothionein–calcitonin fusion gene. Crenshaw EB 3d, et al. **Cell** 1987 May 8;49(3):389–98

Purified transcription factor AP–1 interacts with TPA–inducible enhancer elements. Lee W, et al. **Cell** 1987 Jun 19;49(6):741–52

Nuclease sensitivity of alpha–fetoprotein, metallothionein–1, and immunoglobulin gene sequences in mouse during development. Koropatnick J, et al. **Dev Biol** 1987 Jul; 122(1):1–10

Glucocorticoid regulation of metallothionein during murine development. Quaife C, et al. **Dev Biol** 1986 Dec; 118(2):549–55

Structure and regulation of the sheep metallothionein–Ia gene. Peterson MG, et al. **Eur J Biochem** 1986 Nov 3; 160(3):579–85

Regulation of the yeast metallothionein gene. Gorman JA, et al. **Gene** 1986;48(1):13–22

Yeast metallothionein function in metal ion detoxification. Ecker DJ, et al. **J Biol Chem** 1986 Dec 25; 261(36):16895–900

Somatostatin is targeted to the regulated secretory pathway of gonadotrophs in transgenic mice expressing a metallothionein–somatostatin gene. Low MJ, et al. **J Biol Chem** 1986 Dec 5;261(34):16260–3

Different types of hypersensitive sites in the mouse metallothionein gene region. MacArthur CA, et al. **J Biol Chem** 1987 Feb 15;262(5):2161–5

Accurate transcription of mouse metallothionein–I gene in a fractionated nuclear extract from a rat hepatoma. Maguire KA, et al. **J Biol Chem** 1987 Mar 25;262(9):3932–5

The Neurospora crassa metallothionein gene. Regulation of expression and chromosomal location. Münger K, et al. **J Biol Chem** 1987 May 25;262(15):7363–7

Metallothionein messenger RNA regulation in the mottled mouse and Menkes kinky hair syndrome. Packman S, et al. **J Clin Invest** 1987 May;79(5):1338–42

Rat metallothionein–1 structural gene and three pseudogenes, one of which contains 5'–regulatory sequences. Andersen RD, et al. **Mol Cell Biol** 1986 Jan;6(1):302–14

Induction of metallothionein and other mRNA species by carcinogens and tumor promoters in primary human skin fibroblasts. Angel P, et al. **Mol Cell Biol** 1986 May; 6(5):1760–6

Replication–defective chimeric helper proviruses and factors affecting generation of competent virus: expression of Moloney murine leukemia virus structural genes via the metallothionein promoter. Bosselman RA, et al. **Mol Cell Biol** 1987 May;7(5):1797–806

Structure and tissue–specific expression of the human metallothionein IB gene. Heguy A, et al. **Mol Cell Biol** 1986 Jun;6(6):2149–57

Metallothionein gene expression is regulated by serum factors and activators of protein kinase C. Imbra RJ, et al. **Mol Cell Biol** 1987 Apr;7(4):1358–63

Metal–responsive elements act as positive modulators of human metallothionein–IIA enhancer activity. Karin M, et al. **Mol Cell Biol** 1987 Feb;7(2):606–13

Transient response of amplified metallothionein genes in CHO cells to induction by alpha interferon. Morris S, et al. **Mol Cell Biol** 1987 Feb;7(2):600–5

A DNA segment controlling metal–regulated expression of the Drosophila melanogaster metallothionein gene Mtn. Otto E, et al. **Mol Cell Biol** 1987 May;7(5):1710–5

Alternative inducers of the rat metallothionein I gene cause distinct changes in chromatin structure in the 5' region of the gene. Taplitz SJ, et al. **Mol Cell Biol** 1986 Jul; 6(7):2576–81

Tandemly duplicated upstream control sequences mediate copper–induced transcription of the Saccharomyces cerevisiae copper–metallothionein gene. Thiele DJ, et al. **Mol Cell Biol** 1986 Apr;6(4):1158–63

Structure, organization, and regulation of human metallothionein IF gene: differential and cell–type–specific expression in response to heavy metals and glucocorticoids. Varshney U, et al. **Mol Cell Biol** 1986 Jan;6(1):26–37

Metallothionein genes MTa and MTb expressed under distinct quantitative and tissue–specific regulation in sea urchin embryos. Wilkinson DG, et al. **Mol Cell Biol** 1987 Jan;7(1):48–58

Metallothionein protein variants generated in rat liver as a result of DNA and RNA ethylations by the carcinogen diethylnitrosamine. Jauch A, et al. **Mutat Res** 1986 Dec; 164(6):361–7

Activation of transcription by two factors that bind promoter and enhancer sequences of the human metallothionein gene and SV40. Lee W, et al. **Nature** 1987 Jan 22–28; 325(6102):368–72

Butyrate selectively activates the metallothionein gene in teratocarcinoma cells and induces hypersensitivity to metal induction. Andrews GK, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5461–75

A 5' flanking region of the metallothionein, MT2A, gene identifies two moderately frequent RFLPs. Hyland VJ, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1350

Assembly of pre–mRNA splicing complex is cap dependent. Patzelt E, et al. **Nucleic Acids Res** 1987 Feb 25; 15(4):1387–99

Human metallothionein–specific riboprobes. Sadhu C, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5491

Metallothionein genes in Drosophila melanogaster constitute a dual system. Mokdad R, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2658–62

Regulation in vitro of metallothionein gene binding factors. Seguin C, et al. **Science** 1987 Mar 13;235(4794):1383–7

5–Azacytidine–induced conversion to cadmium resistance correlates with early S phase replication of inactive metallothionein genes in synchronized CHO cells. Stallings RL, et al. **Somatic Cell Mol Genet** 1986 Sep;12(5):423–32

ISOLATION & PURIFICATION

Isolation of a novel metal–binding protein from rat testes. Characterization and distinction from metallothionein. Waalkes MP, et al. **J Biol Chem** 1986 Oct 5; 261(28):13097–103

Purification and characterization of metallothionein from liver of cadmium exposed rhesus monkeys (Macaca mulatta). Paliwal VK, et al. **Mol Cell Biochem** 1986 Aug; 71(2):139–47

[Isolation of metallothionein from the human placenta] Milnerowicz H, et al. **Folia Med Cracov** 1987; 28(1–2):105–16 (Eng. Abstr.) **(Pol)**

METABOLISM

Low molecular weight copper binding proteins in Wilson disease. Rodo M, et al. **Acta Anthropogenet** 1985; 9(1–3):63–70

Assessment of zinc, copper and cadmium status in animals by assay of extracellular metallothionein. Bremner I, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:502–9

The immunocytochemical demonstration of metallothionein in human liver and small intestine. Elmes ME, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:510–3

The effect of long–term ethanol treatment on a metal binding protein fraction in liver and kidneys of mice. Hopf G, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Jul;59(1):43–6

Cooperative cluster formation in metallothionein. Byrd J, et al. **Arch Biochem Biophys** 1986 Oct;250(1):233–7

Relationship between ceruloplasmin and Cu status involving metallothionein induced by several heavy metals in the mouse. Sugawara N, et al. **Arch Toxicol** 1987 Apr; 59(6):432–6

Variation in the amounts of hepatic copper, zinc and metallothionein mRNA during development in the rat. Mercer JF, et al. **Biochem J** 1986 Aug 15;238(1):23–7

Properties of tobacco (Nicotiana tabacum) cadmium–binding peptide(s). Unique non–metallothionein cadmium ligands. Reese RN, et al. **Biochem J** 1987 Feb 1;241(3):641–7

Iron(II)–substituted metallothionein: evidence for the existence of iron–thiolate clusters. Good M, et al. **Biochemistry** 1986 Dec 30;25(26):8353–6

Inhibition of cell membrane lipid peroxidation by cadmium– and zinc–metallothioneins. Thomas JP, et al. **Biochim Biophys Acta** 1986 Dec 10;884(3):448–61

Sequestration of environmental cadmium by metallothionein in the roach (Rutilus rutilus) and the stone loach (Noemacheilus barbatulus). Brown MW, et al. **Comp Biochem Physiol [C]** 1987;87(1):65–9

Cd–metallothionein and metal–enzymes interactions in the goldfish Carassius auratus. Carpene E, et al. **Comp Biochem Physiol [C]** 1987;86(2):267–72

Displacement of zinc and copper from copper–induced metallothionein by cadmium and by mercury: in vivo and ex vivo studies. Funk AE, et al. **Comp Biochem Physiol [C]** 1987;86(1):1–6

Environmental and injected cadmium are sequestered by two major isoforms of basal copper, zinc–metallothionein in gibel (Carassius auratus langsdorfi) liver. Suzuki KT, et al. **Comp Biochem Physiol [C]** 1987;87(1):87–93

The relationship of the increased level of metallothionein with heavy metal levels in the tissue of the harbor seal (Phoca vitulina). Tohyama C, et al. **Ecotoxicol Environ Safety** 1986 Aug;12(1):85–94

Restraint stress induced changes in rat liver and serum metallothionein and in Zn metabolism. Hidalgo J, et al. **Experientia** 1986 Sep 15;42(9):1006–10

The enhanced induction of metallothionein by zinc, its half–life in the marine fish Pleuronectes platessa, and the influence of stress factors on metallothionein levels. Overnell J, et al. **Experientia** 1987 Feb 15;43(2):178–81

In vivo interactions of aluminum with hepatic cytochrome P–450 and metallothionein. Jeffery EH, et al. **Fundam Appl Toxicol** 1987 May;8(4):541–8

Inductive changes in hepatic metallothionein profile in the climbing perch, Anabas testudineus (Bloch) by industrial pollutants. Chatterjee S, et al. **Indian J Exp Biol** 1986 Jul; 24(7):455–7

Cadmium binding to metallothioneins. Domain specificity in reactions of alpha and beta fragments, apometallothionein, and zinc metallothionein with Cd2+. Stillman MJ, et al. **J Biol Chem** 1987 Apr 5;262(10):4538–48

X–ray absorption studies of the copper–beta domain of rat liver metallothionein. George GN, et al. **J Inorg Biochem** 1986 Jul;27(3):213–20

Involvement of metallothionein in the hepatic metabolism of copper. Bremner I. **J Nutr** 1987 Jan;117(1):19–29 (87 ref.)

Changes in dietary zinc result in specific alterations of metallothionein concentrations in newborn rat liver. Gallant KR, et al. **J Nutr** 1987 Apr;117(4):709–16

Portion–selective uptake of 109Cd–labelled alpha–fragment and hexapeptide of metallothionein in renal proximal tubules. Murakami M, et al. **Nippon Eiseigaku Zasshi** 1986 Aug;41(3):653–8

Iron–induced accumulation of hepatic metallothionein: the lack of glucocorticoid involvement. McCormick CC. **Proc Soc Exp Biol Med** 1987 Sep;185(4):413–9

Interactions between metallothionein and trace elements. Bremner I. **Prog Food Nutr Sci** 1987;11(1):1–37 (149 ref.)

Protective role of renal metallothionein against Cd nephropathy in rats. Min KS, et al. **Toxicol Appl Pharmacol** 1987 Apr;88(2):294–301

Binding of mercury to metallothionein–like protein in fetal liver of the guinea pig following in utero exposure to mercury vapor. Yoshida M, et al. **Toxicol Lett** 1987 Jun; 37(1):1–6

Isolation and characterization of a metallothionein–like protein from monkey brain. Gulati S, et al. **Toxicology** 1987 Jul;45(1):53–64

Stability of metallothionein in gastric juice. Klein D, et al. **Toxicology** 1986 Oct;41(2):121–9

Effects of dexamethasone injection on body retention and hepatic distribution of zinc, cadmium and metallothionein in newborn rats. Lui EM, et al. **Toxicology** 1986 Nov; 41(3):267–77

PHARMACODYNAMICS

Influence of cadmium–metallothionein pretreatment on tolerance of rat kidney cortical cells to cadmium toxicity in vitro and in vivo. Jin T, et al. **Pharmacol Toxicol** 1987 May;60(5):345–9

PHYSIOLOGY

Kidney zinc–thionein regulation of delta–aminolevulinic acid dehydratase inhibition by lead. Goering PL, et al. **Arch Biochem Biophys** 1987 Feb 15;253(1):48–55

Metallothionein–mediated cisplatin resistance in human ovarian carcinoma cells. Andrews PA, et al. **Cancer Chemother Pharmacol** 1987;19(2):149–54

Metallothionein gene regulation in Menkes' disease. Leone A. **Horiz Biochem Biophys** 1986;8:207–56 (137 ref.)

The modulation by metallothionein of cadmium–induced cytotoxicity in primary hepatocyte cultures. Beattie JH, et al. **Toxicology** 1987 Jun;44(3):329–39

RADIATION EFFECTS

[A factor of increase of hepatic metallothionein content in normal and adrenalectomized rats induced by whole body irradiation] Togami I. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Jan 25; 47(1):69–73 (Eng. Abstr.) **(Jpn)**

TOXICITY

Renal toxicity of cadmium–metallothionein and enzymuria in rats. Suzuki CA, et al. **J Pharmacol Exp Ther** 1987 Jan; 240(1):314–9

The effects of low doses of cadmium–metallothionein on the renal uptake of beta 2-microglobulin in rats. Bernard AM, et al. **Toxicol Appl Pharmacol** 1987 Mar 15;87(3):440–5

Cadmium–metallothionein nephrotoxicity in the rat: transient calcuria and proteinuria. Jin TY, et al. **Toxicology** 1987 Sep;45(3):307–17

Renal damage induced by cadmium–metallothionein: effects on biochemical indicators. Sugihira N, et al. **Toxicology** 1987 Apr;44(1):1–11

METALLURGY

Biogeocenotic approach to the evaluation of the condition of forest ecosystems under anthropogenic influence. Chernen'kova TV. **Acta Biol Hung** 1986;37(1):47–53

Selenium and other trace elements in lung tissue in smelter workers relationship to the occurrence of lung cancer. Gerhardsson L, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:256–9

The mutagenicity of emissions from eight binder systems used in steel foundries. Kaiser-Farrell C, et al. **Am Ind Hyg Assoc J** 1986 Sep;47(9):578–86

A strategy for merging and analyzing work history data in industry-wide occupational epidemiological studies. Marsh GM. **Am Ind Hyg Assoc J** 1987 May;48(5):414–9

Exposure to arsenic and respiratory cancer. A reanalysis. Enterline PE, et al. **Am J Epidemiol** 1987 Jun;125(6):929–38

Respiratory dysfunction after potroom asthma. Wergeland E, et al. **Am J Ind Med** 1987;11(6):627–36

Chronic beryllium disease in a precious metal refinery. Clinical epidemiologic and immunologic evidence for continuing risk from exposure to low level beryllium fume. Cullen MR, et al. **Am Rev Respir Dis** 1987 Jan;135(1):201–8

Longitudinal evaluation of pulmonary function in copper smelter workers' exposure to sulfur dioxide [letter] Smith TJ, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1332–3

Lung cancer among women residing close to an arsenic emitting copper smelter. Frost F, et al. **Arch Environ Health** 1987 May–Jun;42(3):148–52

Occupational exposure to coke oven emissions from 1979–1983. Keimig DG, et al. **Arch Environ Health** 1986 Nov–Dec;41(6):363–7

Mortality and lead exposure: a retrospective cohort study of Swedish smelter workers. Gerhardsson L, et al. **Br J Ind Med** 1986 Oct;43(10):707–12

Gaseous and adsorbed PAH in an iron foundry. Knecht U, et al. **Br J Ind Med** 1986 Dec;43(12):834–8

Metal polishing, stomach cancer, and clearing houses [letter] Mant D, et al. **Br J Ind Med** 1987 Jun;44(6):429

Histological types of lung cancer among smelter workers exposed to arsenic. Pershagen G, et al. **Br J Ind Med** 1987 Jul;44(7):454–8

Occupational cadmium exposure in jig solderers. Smith NJ, et al. **Br J Ind Med** 1986 Oct;43(10):663–6

Arsenic exposure in children living near a former copper smelter. Binder S, et al. **Bull Environ Contam Toxicol** 1987 Jul;39(1):114–21

Concentrations of alpha-emitting isotopes of U and Th in uranium miners' and millers' tissues. Singh NP, et al. **Health Phys** 1987 Sep;53(3):261–5

Mortality of aluminium reduction plant workers in France. Mur JM, et al. **Int J Epidemiol** 1987 Jun;16(2):257–64

Sharing occupational health services—four years' experience. Smith TA, et al. **J Soc Occup Med** 1986 Winter;36(4):141–2

Effects of fluoride emissions from a modern primary aluminum smelter on a local population of white-tailed deer (Odocoileus virginianus). Suttie JS, et al. **J Wildl Dis** 1987 Jan;23(1):135–43

Models for respiratory cancer in nickel refinery workers. Kaldor J, et al. **JNCI** 1986 Oct;77(4):841–8

Cytogenetic analysis in workers occupationally exposed to nickel carbonyl. Cai DC, et al. **Mutat Res** 1987 Jun;188(2):149–52

Clinical electroencephalogram (EEG) of the workers in a lead refinery. Kubo M, et al. **Osaka City Med J** 1986 Aug;32(1):27–40

Changes in water vapor loss from the skin of metal industry workers monitored during exposure to oils. Coenraads PJ, et al. **Scand J Work Environ Health** 1986 Oct;12(5):494–8

Chelatable lead versus lead in human trabecular and compact bone. Schütz A, et al. **Sci Total Environ** 1987 Mar;61:201–9

Cutting fluids. Their use and effects on the skin. Zugerman C. **State Art Rev Occup Med** 1986 Apr–Jun;1(2):245–58 (25 ref.)

[Auditory-vestibular changes in workers in ferrous metallurgy manufacture] Khalkova Zh, et al. **Probl Khig** 1986;11:134–8 (Eng. Abstr.) **(Bul)**

[Occurrence of silico-tuberculosis among foundry workers] Lander F, et al. **Ugeskr Laeger** 1987 Jan 12;149(3):180–2 (Eng. Abstr.) **(Dan)**

[Somatosensory evoked potentials of the trigeminal nerve in chronic trichloroethylene poisoning] Garrel S, et al. **Rev Electroencephalogr Neurophysiol Clin** 1986 Jul;16(2):133–9 (Eng. Abstr.) **(Fre)**

[Cutting oils and skin diseases] Durocher LP, et al. **Union Med Can** 1986 Oct;115(10):730–3 (Eng. Abstr.) **(Fre)**

[Changes in the conjunctiva in metal workers] Mićović V, et al. **Fortschr Ophthalmol** 1986;83(4):412–4 (Eng. Abstr.) **(Ger)**

[Aseptic humerus head necrosis—tortuous path of a maker of scythes through expert medicine] Kovarik J, et al. **Wien Klin Wochenschr** 1987 Jun 26;99(13):462–6 (Eng. Abstr.) **(Ger)**

[Follow-up of hearing damage in a metallurgy industry] Busch S, et al. **Z Gesamte Hyg** 1987 May;33(5):241–3 (Eng. Abstr.) **(Ger)**

[Health status of workers in machine tool construction in relation to work-induced stresses and exposures] Grube MR. **Z Gesamte Hyg** 1987 Jan;33(1):13–4 (Eng. Abstr.) **(Ger)**

[Results of biological exposure tests in relation to passive dosimetry measurements of room air concentrations in occupational exposure to trichloroethylene at metal cleaning sites] Hübner G, et al. **Z Gesamte Hyg** 1987 Jun;33(6):296–9 (Eng. Abstr.) **(Ger)**

[Dose–response relations of dust exposure and lung function in foundry workers] Schneider WD, et al. **Z Gesamte Hyg** 1986 Nov;32(11):688–92 **(Ger)**

[Analytical methods and instrumentation. Applications in metallurgy] Del Monte Tamba MG. **Ann Ist Super Sanita** 1987;23(1):67–76 (Eng. Abstr.) **(Ita)**

[Renal glomerular function and biological indicators of lead in steel industry workers with past absorption of lead] Baruffini A, et al. **Med Lav** 1987 Mar–Apr;78(2):117–23 (Eng. Abstr.) **(Ita)**

[Ambulatory electrocardiographic findings and urinary excretion of catecholamines in ferrochromium smelters] Zanettini R, et al. **Med Lav** 1987 Mar–Apr;78(2):129–42 (Eng. Abstr.) **(Ita)**

[Changes of hemoglobin A1 and A1c in workers exposed to lead] Fukumoto K, et al. **Sangyo Igaku** 1986 Mar;28(2):126–7 **(Jpn)**

[Improved method for the determination of urinary delta-aminolevulinic acid in lead workers] Tomokuni K, et al. **Sangyo Igaku** 1986 Mar;28(2):114–8 (Eng. Abstr.) **(Jpn)**

[Lead and cadmium in the urine of occupationally exposed workers and of persons from a non-industrial region] Wójcik A, et al. **Folia Med Cracov** 1987;28(1–2):117–22 (Eng. Abstr.) **(Pol)**

[Evaluation of exposure to fluorine compounds in aluminum metallurgy] Braszczyńska Z, et al. **Med Pr** 1986;37(5):281–7 (Eng. Abstr.) **(Pol)**

[Effect of long-term exposure to high manganese levels in the air of the work area on the content of various immunoproteins in the blood] Jonderko G, et al. **Med Pr** 1986;37(3):162–6 (Eng. Abstr.) **(Pol)**

[Rheography of the upper extremity in the diagnosis of vibration-induced vascular disorders] Nowak H, et al. **Med Pr** 1986;37(6):343–6 (Eng. Abstr.) **(Pol)**

[Evaluation of the biological effect of polishing powders] Woźniak H, et al. **Med Pr** 1986;37(4):236–42 (Eng. Abstr.) **(Pol)**

[Hemoglobin A1 and A1c levels in lead refinery workers] Horiguchi S, et al. **Przegl Lek** 1987;44(2):261–4 (Eng. Abstr.) **(Pol)**

[Effect of atmospheric pollution from steel plant emissions and the electric power plant "Stalowa Wola" on the levels of various metals in rain water] Buliński R, et al. **Rocz Panstw Zakl Hig** 1986;37(4):312–9 (Eng. Abstr.) **(Pol)**

[Effect of pollutant emissions from a copper plant on the level of mercury in plant food products] Ilow R, et al. **Rocz Panstw Zakl Hig** 1986;37(6):494–7 (Eng. Abstr.) **(Pol)**

[Comparison of various risk factors: noise and vibration with regard to lesions of the auditory analyzer in 132 metallurgical workers detected by mass audiometry] Ghibuş I. **Rev Chir [Otorinolaringol]** 1986 Jul–Sep;31(3):197–204 (Eng. Abstr.) **(Rum)**

[Epidemiological considerations of the medical and socioeconomic implications of essential arterial hypertension. II. Observations in a metallurgical factory] Ivan A, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan–Mar;90(1):61–8 (Eng. Abstr.) **(Rum)**

[Epidemiological research on essential arterial hypertension in industrial units] Ivan A, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr–Jun;90(2):311–8 (Eng. Abstr.) **(Rum)**

[Dynamics of the phagocytosis of the neutrophils and white blood cells in metallurgical plant operators in connection with shift work] Kleshchenogov SA, et al. **Fiziol Cheloveka** 1987 Mar–Apr;13(2):270–7 **(Rus)**

[Characteristics of the adaptation of vocational school students specializing in metal processing] Aksianova EA. **Gig Sanit** 1987 Jun;(6):10–2 (Eng. Abstr.) **(Rus)**

[Clinico-laboratory studies on evaluating specific and nonspecific effects of air pollution in a ferrous metallurgy region] Basmadzhieva K, et al. **Gig Sanit** 1987 May;(5):70–2 **(Rus)**

[Changes in rheoencephalographic indicators in foundry cleaners during work] Imanaev OM, et al. **Gig Sanit** 1987 Jun;(6):78–9 **(Rus)**

[Effect of catecholamines on the formation of vibration sensitivity] Mikulinskiĭ AM, et al. **Gig Sanit** 1986 Nov;(11):70–1 **(Rus)**

[Hygienic characteristics of working conditions and state of adaptation in drivers of underground dump trucks at mines in the Kola polar region] Popondopulo AN, et al. **Gig Sanit** 1987 May;(5):81–2 **(Rus)**

[Ion composition of atmospheric air at an industrial site and in deep potassium mines] Ashel'rod AA, et al. **Gig Tr Prof Zabol** 1987 Jul;(7):48–50 **(Rus)**

[The dust factor in the production of metallized pellets] Balakin VA. **Gig Tr Prof Zabol** 1987 Jul;(7):13–7 (Eng. Abstr.) **(Rus)**

[Health and hygiene assessment of working conditions in the manufacture of metallized pellets] Balakin VA. **Gig Tr Prof Zabol** 1986 Aug;(8):26–30 (Eng. Abstr.) **(Rus)**

[Health status of workers engaged in preparing the raw charge in copper production] Borisov AA, et al. **Gig Tr Prof Zabol** 1987 Jan;(1):17–20 (Eng. Abstr.) **(Rus)**

[Hygienic evaluation of the technological processes of drying and autogenic smelting of copper concentrates in vertical oxygen converters] Chashin VP, et al. **Gig Tr Prof Zabol** 1987 Jun;(6):38–41 (Eng. Abstr.) **(Rus)**

[Occupational medicine and sanitary improvements in the production and use of zinc and barium-based materials] Dubeĭkovskaia LS, et al. **Gig Tr Prof Zabol** 1986 Oct;(10):31–3 (Eng. Abstr.) **(Rus)**

[Occupational hygiene during the cutting of metals using mineral ceramics] Evtushenko GI, et al. **Gig Tr Prof Zabol** 1987 Mar;(3):11–4 (Eng. Abstr.) **(Rus)**

[Industrial hygiene problems in the use of sodium sulfide for the flotation of nonferrous and rare-metal ores] Gevorkian RV. **Gig Tr Prof Zabol** 1986 Aug;(8):30–3 (Eng. Abstr.) **(Rus)**

[Relation between health tasks in the foundry shop of a machine-building complex and the resolution of the 27th Congress of the CPSU] Izmerov NF, et al. **Gig Tr Prof Zabol** 1987 Jan;(1):1–5 (Eng. Abstr.) **(Rus)**

[Current problems of industrial hygiene in the new smelting shops of a ferro-alloy plant] Karnaukh NG, et al. **Gig Tr Prof Zabol** 1987 May;(5):18–21 (Eng. Abstr.) **(Rus)**

[Use of a simple cybernetic method for determining the severity of dust-induced bronchitis] Kleiner AI, et al. **Gig Tr Prof Zabol** 1986 Sep;(9):23–7 (Eng. Abstr.) **(Rus)**

[Cardiorespiratory function of workers in the electric steel smelting shop of the Sibelektrostal' Plant] Kostiuk FF, et al. **Gig Tr Prof Zabol** 1987 May;(5):42–3 **(Rus)**

[Hygienic significance of metal-cutting systems using lubricant-coolant fluids] Kuzina VF, et al. **Gig Tr Prof Zabol** 1987 Apr;(4):22–5 (Eng. Abstr.) **(Rus)**

[Physiological and hygienic assessment of working conditions in the fire refining of copper in tilting anodic furnaces] Liakh GD. **Gig Tr Prof Zabol** 1987 May;(5):14–7 (Eng. Abstr.) **(Rus)**

[Experience with preventive and routine health surveillance at the industrial enterprises of the Cheliabinsk region] Medvedev AI. **Gig Tr Prof Zabol** 1987 Mar;(3):52–4 **(Rus)**

[Experimental study of the effect of dust formed during the secondary reprocessing of ferrous metals] Mikhailovskaia TN, et al. **Gig Tr Prof Zabol** 1986 Nov;(11):40–2 (Eng. Abstr.) **(Rus)**

[Combined action of static forces and local vibration on the development of fatigue in the neuromuscular system] Molkin IuV, et al. **Gig Tr Prof Zabol** 1987 Mar;(3):26–31 (Eng. Abstr.) **(Rus)**

[Role of zinc tetragonal crystals in the etiopathogenesis of foundry fever] Nishchil RA. **Gig Tr Prof Zabol** 1986 Aug;(8):52–4 **(Rus)**

[Occupational hygiene in working with metal corrosion inhibitors] Paustovskaia VV. **Gig Tr Prof Zabol** 1987 Feb;(2):16–9 (Eng. Abstr.) **(Rus)**

[Clinico-roentgenologic characteristics of lung diseases in workers at a sintering workshop of a metallurgy industrial complex] Pliukhin AE, et al. **Gig Tr Prof Zabol** 1987 Jun;(6):48–50 **(Rus)**

[Effect of breakdown products of carbamido-formaldehyde resins on the cardiovascular system of foundry workers] Shestakov NM, et al. **Gig Tr Prof Zabol** 1987 Jul;(7):32–5 (Eng. Abstr.) **(Rus)**

[Hygienic significance of the distribution peaks of variable noise levels] Suvorov GA, et al. **Gig Tr Prof Zabol** 1987 Mar;(3):17–9 (Eng. Abstr.) **(Rus)**

[Nystagmometric features of persons systematically exposed to vibration] Nalimova TA. **Kosm Biol Aviakosm Med** 1987 May–Jun;21(3):59–62 (Eng. Abstr.) **(Rus)**

[System of preventive measures for hypertension] Mironov VA, et al. **Sov Zdravookhr** 1987;(4):45–7 (Eng. Abstr.) **(Rus)**

[Evaluation of consultation rates for cardiovascular diseases among machine-building industry workers] Zapesochnyĭ AZ. **Sov Zdravookhr** 1987;(4):26–30 **(Rus)**

[Eczema and mycoses of the feet among ferrous metallurgy workers] Kovalenko IuB. **Vestn Dermatol Venerol** 1986;(11):50–5 (Eng. Abstr.) **(Rus)**

[Pathogenesis of allergic dermatoses in workers in the aluminum alloy industry] Prokhorenkov VI. **Vestn Dermatol Venerol** 1987;(6):53–6 (Eng. Abstr.) **(Rus)**

[Prevention of occupational dermatoses in the manufacture of bearings] Selisskiĭ GD, et al. **Vestn Dermatol Venerol** 1987;(5):50–2 (Eng. Abstr.) **(Rus)**

[Effect of hydrogen sulfide water on the bodies of lead production workers] Berezov TT, et al.

Vopr Kurortol Fizioter Lech Fiz Kult 1987 Jan–Feb;(1):56 (Rus)
[Hypertension among workers at a ship repair facility] Porkuian AP, et al. **Vrach Delo** 1987 May;(5):107 (Rus)
[Health effects of the manufacture and casting of aluminum. 6–8 June 1985, Sibenik] **Arh Hig Rada Toksikol** 1986 Sep; 37(3):297–403 (Scr)
[Skin changes in aluminum rolling mill workers] Balić J, et al. **Arh Hig Rada Toksikol** 1986 Sep;37(3):367–73 (Eng. Abstr.) (Scr)
[Telangiectasias, heavy sweating and diffuse itching of the skin in potroom workers working with the eletrolytic extraction of aluminum] Balić J, et al. **Arh Hig Rada Toksikol** 1986 Sep;37(3):337–45 (Eng. Abstr.) (Scr)
[Air pollution in shops with electrolysis furnaces and in the surrounding area] Čičmir S, et al. **Arh Hig Rada Toksikol** 1986 Sep;37(3):393–403 (Eng. Abstr.) (Scr)
[Bronchial reactivity in workers working with the Alu–Swiss aluminum electrolysis technology] Godnić–Cvar J. **Arh Hig Rada Toksikol** 1986 Sep;37(3):311–7 (Eng. Abstr.) (Scr)
[Subjective symptoms of workers occupationally exposed to magnetic fields] Goldoni J. **Arh Hig Rada Toksikol** 1986 Sep;37(3):359–65 (Eng. Abstr.) (Scr)
[Chronic cardiac and pulmonary symptoms in aluminum workers] Gomzi M, et al. **Arh Hig Rada Toksikol** 1986 Sep;37(3):319–27 (Eng. Abstr.) (Scr)
[Evaluation of fluoride exposure in the work environment] Kalinić N, et al. **Arh Hig Rada Toksikol** 1986 Sep; 37(3):375–84 (Eng. Abstr.) (Scr)
[Case reports of chronic obstructive lung disease in workers working in the manufacture of primary aluminum] Marelja J. **Arh Hig Rada Toksikol** 1986 Sep;37(3):329–35 (Eng. Abstr.) (Scr)
[The proportion of aluminum manufacturing and casting industry workers represented in the overall morbidity statistics for bronchial and pulmonary carcinoma in the Sibenik area] Odak L, et al. **Arh Hig Rada Toksikol** 1986 Sep;37(3):353–8 (Eng. Abstr.) (Scr)
[Bronchial hyperreactivity to methacholine in workers in an aluminum electrolysis potroom] Ofner B, et al. **Arh Hig Rada Toksikol** 1986 Sep;37(3):301–9 (Eng. Abstr.) (Scr)
[Asthma in workers working with the electrolytic extraction of aluminum] Sarić M. **Arh Hig Rada Toksikol** 1986 Sep; 37(3):297–300 (Eng. Abstr.) (Scr)
[Suspended particles and solid fluorides in the air in electrolysis and casting shops in the Sibenik Aluminum Plant] Sega K, et al. **Arh Hig Rada Toksikol** 1986 Sep; 37(3):385–92 (Eng. Abstr.) (Scr)
[Working conditions and the health status of workers in the Konjščina Foundry in Zagreb] Zlački K, et al. **Arh Hig Rada Toksikol** 1985 Sep;36(3):277–88 (Eng. Abstr.) (Scr)
[Environmental pollution by cadmium in a metallurgy plant] Ramírez AV. **Bol Of Sanit Panam** 1986 Nov;101(5):514–21 (Eng. Abstr.) (Spa)

INSTRUMENTATION

[Hygienic characteristics of the working conditions of smelters engaged in the operation of vacuum founding and casting equipment] Tkach AN, et al. **Gig Tr Prof Zabol** 1987 Jul;(7):24–7 (Eng. Abstr.) (Rus)

METALS

Risk of ferromagnetic ocular foreign bodies in MR [letter] Widder DJ. **AJNR** 1987 May–Jun;8(3):571
Interaction between magnetic fields and metallic ossicular prostheses. White DW. **Am J Otol** 1987 Mar;8(2):90–2
Effect of metal ions on the rearrangement of dopachrome. Palumbo A, et al. **Biochim Biophys Acta** 1987 Aug 13; 925(2):203–9
Facile resolution of alpha–fetoproteins and serum albumins by immobilized metal affinity chromatography. Andersson L, et al. **Cancer Res** 1987 Jul 15;47(14):3624–6
Isomeric equilibria in complexes of adenosine 5'–triphosphate with divalent metal ions. Solution structures of M(ATP)2– complexes. Sigel H. **Eur J Biochem** 1987 May 15; 165(1):65–72
Comparative evaluation of electrophilic aromatic iododemetallation techniques for labeling radiopharmaceuticals with iodine–122. Moerlein SM, et al. **Int J Rad Appl Instrum [A]** 1987;38(2):85–90
Chelating agents for the binding of metal ions to antibodies. Meares CF. **Int J Rad Appl Instrum [B]** 1986;13(4):311–8
Removal of metallic foreign bodies of the external auditory canal [letter] Mattucci KF, et al. **Int Surg** 1987 Jan–Mar; 72(1):65
A survey of the concentrations of eleven metals in vaccines, allergenic extracts, toxoids, blood, blood derivatives and other biological products. May JC, et al. **J Biol Stand** 1986 Oct;14(4):363–75
Pelvic stresses in vitro—II. A study of the efficacy of metal–backed acetabular prostheses. Finlay JB, et al. **J Biomech** 1986;19(9):715–25
The effect of surface preparation on metal/bone cement interfacial strength. Bundy KJ, et al. **J Biomed Mater Res** 1987 Jun;21(6):773–805
Porous–surfaced metallic implants for orthopedic applications. Pilliar RM. **J Biomed Mater Res** 1987 Apr; 21(A1 Suppl):1–33 (129 ref.)
The electrochemical behavior of metallic implant materials as an indicator of their biocompatibility. Zitter H, et al. **J Biomed Mater Res** 1987 Jul;21(7):881–96
High–performance immobilized–metal affinity chromatography of proteins on iminodiacetic acid silica–based bonded phases. Figueroa A, et al. **J Chromatogr** 1986 Dec 26;371:335–52
MR imaging of large nonferromagnetic metallic implants at 1.5 T. Augustiny N, et al. **J Comput Assist Tomogr** 1987 Jul–Aug;11(4):678–83
Generation of hydrogen peroxide by incidental metal ion–catalyzed autooxidation of glutathione. Albro PW, et al. **J Inorg Biochem** 1986 Jul;27(3):191–203
Coprecipitation modulates the solubility of minerals in bovine milk. Nelson LS Jr, et al. **J Inorg Biochem** 1987 Mar; 29(3):173–9
Burns due to watches with metal bands' [letter] Upjohn J. **Med J Aust** 1983 Jan 22;1(2):57–8
Abstracts: a scientific meeting on metals, trace elements and mammalian development. December 10–12, 1986, Sydney, N.S.W., Australia. **Neurotoxicology** 1987 Summer; 8(2):321–40
Quenching of polyadenylic acid emission by divalent metal ions at room temperature. Kobayashi S, et al. **Nucleic Acids Symp Ser** 1986;(17):215–8
Free radicals and metal ions in health and disease. Halliwell B. **Proc Nutr Soc** 1987 Feb;46(1):13–26
The VIth UOEH International Symposium and the IIIrd COMTOX on bio– and toxicokinetics of metals. Satellite symposium of the IVth International Congress of Toxicology. July 27–31, 1986, Kitakyushu City, Japan. Proceedings. **Sangyo Ika Daigaku Zasshi** 1987 Mar 20;9 Suppl:1–235
Atomic structure and properties of small particles. Arizona, USA, 7–11 January 1986. Papers. **Ultramicroscopy** 1986; 20(1–2):1–176
Effects of high intensity ultrasound on inorganic solids. Suslick KS, et al. **Ultrasonics** 1987 Jan;25(1):56–9
[Studies on the method of nucleic acid precipitation with metallic ions] Zhou XZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Dec; 8(6):490–3 (Eng. Abstr.) (Chi)
[Complexes of tetracyclines. Study of 2–1 complexes of iron III, cobalt II, copper II and nickel II of tetracycline, oxytetracycline, demeclocycline, doxycycline and minocycline] Magnam J, et al. **Ann Pharm Fr** 1986; 44(6):467–76 (Eng. Abstr.) (Fre)
[Potentiometric determination of the stability constants of miconazole complexes with Fe(II), Fe(III), Co(II), Ni(II), Cu(II) and Zn(II) ions] Mpasi N, et al. **J Pharm Belg** 1987 Jan–Feb;42(1):29–37 (Eng. Abstr.) (Fre)
[Detection of an intralenticular metallic foreign body by computerized tomography] Trinkmann R. **Klin Monatsbl Augenheilkd** 1986 Jul;189(1):57–8 (Eng. Abstr.) (Ger)
[Foreign body injuries in nuclear magnetic resonance tomography] Vogel H, et al. **Rontgenblatter** 1987 May; 40(5):150–3 (Eng. Abstr.) (Ger)
[Thermoluminescent dosimetry studies on absorptive behavior of bones without and with metal implants] Eichhorn M, et al. **Strahlenther Onkol** 1986 Dec; 162(12):779–84 (Eng. Abstr.) (Ger)
[A complex index of soil pollution by heavy metals] Nemenko BA, et al. **Gig Sanit** 1987 Apr;(4):76–7 (Rus)

ADVERSE EFFECTS

The pathogenetic role of metals in motor neuron disease—the participation of aluminum. Yase Y. **Adv Exp Med Biol** 1987; 209:89–96
Subretinal neovascularization [letter] Deutman AF. **Arch Ophthalmol** 1986 Nov;104(11):1588
Metal pollution in a salt marsh and its effect on sheep. Baars AJ, et al. **Arch Toxicol [Suppl]** 1986;9:410–3
Hard metal lung disease: a clinical, histological, ultrastructural and X–ray microanalytical study. Anttila S, et al. **Eur J Respir Dis** 1986 Aug;69(2):83–94
Central and peripheral nervous system dysfunction in workers exposed to lead, zinc and copper. A follow–up study of visual and somatosensory evoked potentials. Araki S, et al. **Int Arch Occup Environ Health** 1987;59(2):177–87
Rejection of prostheses and metal sensitivities [letter] Ford RM. **Med J Aust** 1987 May 4;146(9):504
Potential exposure to metal fumes, particulates, and organic vapors during radiotherapy shielding block fabrication. DeMeyer CL, et al. **Med Phys** 1986 Sep–Oct;13(5):748–50
Elemental metallic irrelevance [letter] Filardo TW. **Nature** 1987 Jul 30–Aug 5;328(6129):386
Respiratory effects of hard–metal dust exposure. Balmes JR. **State Art Rev Occup Med** 1987 Apr–Jun;2(2):327–44
[Metals and plastics as causes of disease] de Kort WL, et al. **Ned Tijdschr Geneeskd** 1987 Jul 11;131(28):1201–3 (Dut)
[Dermatoses caused by intolerance to metals of osteosynthesis materials and prostheses (nickel, chromium, cobalt)] Rostoker G, et al. **Ann Dermatol Venereol** 1986; 113(11):1097–108 (51 ref.) (Fre)
[Metal allergies. Results of patch tests from 1981 to 1984] Rammelsberg P, et al. **Derm Beruf Umwelt** 1986 Nov–Dec; 34(6):160–2 (Eng. Abstr.) (Ger)
[Studies of corrosion products following osteosyntheses] Starker M, et al. **Z Orthop** 1986 Jul–Aug;124(4):523–6 (Ger)
[Toxicologic hazards at the endocrine level of heavy metals] Fernicola C, et al. **G Ital Med Lav** 1985 Sep–Nov; 7(5–6):175–80 (Eng. Abstr.) (Ita)
[Mental development and dynamics of psychoneurologic processes in children from an environment exposed to contamination with heavy metals] Franiczek W, et al. **Wiad Lek** 1986 Dec 1;39(23):1608–12 (Eng. Abstr.) (Pol)
[Chemiluminescence of the blood serum of experimental animals exposed to polymetallic dust] Bezrukavnikova LM, et al. **Gig Tr Prof Zabol** 1986 Sep;(9):48–51 (Rus)

ANALYSIS

Bioindicators and accumulators in geobotanical and biogeochemical prospecting of metals. Aery NC, et al. **Acta Biol Hung** 1986;37(1):67–78
Bioindication: a short review on the use of plants as indicators of heavy metals. Kovács M, et al. **Acta Biol Hung** 1986; 37(1):19–29
Occupational exposure to airborne dust, respirable quartz and metals arising from refuse handling, burning and landfilling. Mozzon D, et al. **Am Ind Hyg Assoc J** 1987 Feb;48(2):111–6
Industrial hygiene and control technology assessment of ion implantation operations. Ungers LJ, et al. **Am Ind Hyg Assoc J** 1986 Oct;47(10):607–14
Histochemical determination of copper, zinc, and iron in some benign and malignant tissues. Bedrick AE, et al. **Am J Clin Pathol** 1986 Nov;86(5):637–40
Development of extended X–ray absorption fine structure spectroelectrochemistry and its application to structural studies of transition–metal ions in aqueous solution. Dewald HD, et al. **Anal Chem** 1986 Dec;58(14):2968–75
Microwave digestion techniques in the sequential extraction of calcium, iron, chromium, manganese, lead, and zinc in sediments. Mahan KI, et al. **Anal Chem** 1987 Apr 1; 59(7):938–45
Rapid atomic spectrometric determination of sodium, potassium, calcium and magnesium in powdered milk by direct dispersion. de la Guardia M, et al. **Analyst** 1986 Dec; 111(12):1375–7
Oxidimetric determination of amino acids and their metal complexes with organic monochloramines. Gowda NM, et al. **Analyst** 1986 Dec;111(12):1423–9
Biliary and urinary excretion of metals in humans. Ishihara N, et al. **Arch Environ Health** 1986 Sep–Oct;41(5):324–30
Techniques of low technology sampling of air pollution by metals: a comparison of concentrations and map patterns. Lloyd OL, et al. **Br J Ind Med** 1987 Jul;44(7):494–504
Migration of copper and some other metals from copper tableware. Ishiwata H, et al. **Bull Environ Contam Toxicol** 1986 Nov;37(5):638–42
Levels of nine potentially toxic elements in Idaho fish manures. Krieger RI, et al. **Bull Environ Contam Toxicol** 1987 Jan;38(1):63–6
Lichens as monitors of aerial heavy metal pollutants in and around Kampala. Nyangababo JT. **Bull Environ Contam Toxicol** 1987 Jan;38(1):91–5
Heavy metals in molluscan, crustacean, and other commercially important Chilean marine coastal water species. Ober AG, et al. **Bull Environ Contam Toxicol** 1987 Mar;38(3):534–9
Organochlorine insecticides and heavy metals in fish from Mutek Lake, N.E. Poland. Zamojski J, et al. **Bull Environ Contam Toxicol** 1986 Oct;37(4):587–92
Regional distribution of metals in human brain. Uitti RJ, et al. **Clin Invest Med** 1987 Jan;10(1):10–3
Atomic emission and proton microprobe studies of the ion content of otoliths of chinook salmon aimed at recovering the temperature life history of individuals. Gauldie RW, et al. **Comp Biochem Physiol [A]** 1986;84(4):607–15
Atmospheric metal pollution monitored by spherical moss bags: a case study of Armadale. Gailey FA, et al. **Environ Health Perspect** 1986 Sep;68:187–96
Metal amounts in the lichen Ramalina duriaei (De Not.) Bagl. transplanted at biomonitoring sites around a new coal–fired power station after 1 year of operation. Garty J. **Environ Res** 1987 Jun;43(1):104–16
Relationships between elemental intakes within the United Kingdom total diet study and other adult dietary studies. Evans WH, et al. **Food Addit Contam** 1987 Jan–Mar; 4(1):1–8
Autometallography: tissue metals demonstrated by a silver enhancement kit. Danscher G, et al. **Histochemistry** 1987; 86(5):465–9
Environmental carcinogens. Selected methods of analysis. Volume 8—Some metals: As, Be, Cd, Cr, Ni, Pb, Se, Zn. **IARC Sci Publ** 1986;(71):1–488
Determination of metals and their compounds in food. **IARC Sci Publ** 1986;(71):363–428
Biological monitoring. **IARC Sci Publ** 1986;(71):429–85
Determination of metals and their compounds in work–place air. **IARC Sci Publ** 1986;(71):223–88
Determination of metals and their compounds in water. **IARC Sci Publ** 1986;(71):289–361
Sampling, storage and pretreatment of biological material. Iyengar GV. **IARC Sci Publ** 1986;(71):141–58
Occurrence of selected metals in cigarette tobaccos and smoke. Jenkins RA. **IARC Sci Publ** 1986;(71):129–38
General review of analytical methods. Koirtyohann SR, et al. **IARC Sci Publ** 1986;(71):159–90

Considerations of sampling, interactions and IARC evaluations for this group of elements. O'Neill IK, et al. **IARC Sci Publ** 1986;(71):3–13

Perspectives of analysis of carcinogenic and mutagenic metals in biological samples. Fishbein L. **Int J Environ Anal Chem** 1987;28(1–2):21–69 (318 ref.)

A comparative determination of heavy metals in moss tissue by atomic absorption spectroscopy, differential pulse anodic stripping voltammetry, direct current plasma spectroscopy and X-ray fluorescence spectroscopy. Onianwa PC. **Int J Environ Anal Chem** 1987;28(3):237–46

Speciation of heavy metals in polluted soils by sequential extraction and ICP spectrometry. Scokart PO, et al. **Int J Environ Anal Chem** 1987;29(4):305–15

Interlaboratory comparison of analyses for heavy metals in clam tissue. Hendzel MR, et al. **J Assoc Off Anal Chem** 1986 Sep–Oct;69(5):863–8

Flame absorption spectroscopic determination of cadmium, copper, iron, lead, and zinc in mussels. Solchaga M, et al. **J Assoc Off Anal Chem** 1986 Sep–Oct;69(5):874–6

Studies on nitrate reductase of Clostridium perfringens. IV. Identification of metals, molybdenum cofactor, and iron-sulfur cluster. Seki S, et al. **J Biochem (Tokyo)** 1987 Feb;101(2):503–9

Methodological aspects of assessing atmospheric contamination with metal aerosols in the vicinity of thermal power complexes. Sokolov SM. **J Hyg Epidemiol Microbiol Immunol** 1986;30(3):249–54

Effect of selenium and molybdenum on methylbenzylnitrosamine-induced esophageal lesions and tissue trace metals in the rat. Bogden JD, et al. **J Nutr** 1986 Dec;116(12):2432–42

Environmental pollutant and necropsy data for ospreys from the eastern United States, 1975–1982. Wiemeyer SN, et al. **J Wildl Dis** 1987 Apr;23(2):279–91

Picomole analysis of alkali metals by flameless atomic absorption spectrophotometry. Wingo CS, et al. **Kidney Int** 1987 May;31(5):1225–8

Comment on 'The distribution of intracellular alkali metals in reference man' [letter] Mole RH. **Phys Med Biol** 1987 Aug;32(8):1045–7

The distribution of intracellular alkali metals in Reference Man. Williams LR, et al. **Phys Med Biol** 1987 Feb; 32(2):173–90

Biological monitoring of metals with special references to the early stages of the life cycle. Clarkson TW, et al. **Sangyo Ika Daigaku Zasshi** 1987 Mar 20;9 Suppl:50–8 (26 ref.)

Heavy metals in small mammals in roadside environments: implications for food chains. Scanlon PF. **Sci Total Environ** 1987 Jan;59:317–23

Trace metals in the bones of scaup ducks (Aythya marila L.) wintering in Gdańsk Bay, Baltic Sea, 1982–83 and 1983–84. Szefer P, et al. **Sci Total Environ** 1986 Sep; 53(3):193–9

Heavy metal pollution in roadside urban parks and gardens in Hong Kong. Tam NF, et al. **Sci Total Environ** 1987 Jan;59:325–8

Industrial pollution with copper and other heavy metals in a beef cattle ranch. Parada R, et al. **Vet Hum Toxicol** 1987 Apr;29(2):122–6

Principal component analysis for the identification of pollution sources in mussel survey by trace metals. Favretto L, et al. **Z Lebensm Unters Forsch** 1987 Feb;184(2):101–9

[Use of Zeeman atomic absorption spectrometry for the determination of toxic metals in viscera] Boiteau HL, et al. **J Toxicol Clin Exp** 1986 Mar–Apr;6(2):95–106 (Eng. Abstr.) **(Fre)**

[Chemical and physical properties of European human hair and determination of their metal content] Blankenburg G, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1987;71:135–46 **(Ger)**

[Reduction of lead content and other elements in wine using pectic acid] Schlemmer U. **Z Lebensm Unters Forsch** 1986 Nov;183(5):339–43 (Eng. Abstr.) **(Ger)**

[The problem of pesticide and heavy metal residues in plant-derived drugs used in the pharmaceutical industry] Lorusso S, et al. **Nuovi Ann Ig Microbiol** 1985 May–Jun; 36(3):169–80 (Eng. Abstr.) **(Ita)**

[Effect of atmospheric pollution from steel plant emissions and the electric power plant "Stalowa Wola" on the levels of various metals in rain water] Buliński R, et al. **Rocz Panstw Zakl Hig** 1986;37(4):312–9 (Eng. Abstr.) **(Pol)**

[Metals and polychlorinated compounds in eels from the Gdansk bay and adjacent waters. II. Eels from the Firth of Vistula] Falandysz J, et al. **Rocz Panstw Zakl Hig** 1987; 38(1):21–8 (Eng. Abstr.) **(Pol)**

[Metal contamination of imported canned fruit and vegetables and honey] Gajek O, et al. **Rocz Panstw Zakl Hig** 1987; 38(1):14–20 (Eng. Abstr.) **(Pol)**

[Heavy metal levels in paper used for food packing] Mazur H, et al. **Rocz Panstw Zakl Hig** 1986;37(6):546–50 (Eng. Abstr.) **(Pol)**

[Biological variability and accuracy in determining macro- and microelements in fish] Aleshko-Ozhevskiĭ IuP, et al. **Vopr Pitan** 1986 Nov–Dec;(6):64–8 (Eng. Abstr.) **(Rus)**

BLOOD

Filterable plasma concentration, glomerular filtration, tubular balance, and renal clearance of heavy metals and organic substances in metal workers. Araki S, et al. **Arch Environ Health** 1986 Jul–Aug;41(4):216–21

[Heavy metal concentrations in blood cells of patients with amyotrophic lateral sclerosis—study of five cases in Mie] Katsui Y, et al. **Rinsho Shinkeigaku** 1987 Jan;27(1):19–22 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Metalloimmunoassay of tricyclic antidepressant drugs: production and characterization of antiserum. Cheret P, et al. **Res Commun Chem Pathol Pharmacol** 1986 Nov; 54(2):237–53

IMMUNOLOGY

Immunoregulatory properties of some heavy metals in physiology and pathology conditions. Part II. Jaremin B. **Bull Inst Marit Trop Med Gdynia** 1985;36(1–4):89–101 (177 ref.)

Immunoregulatory properties of some heavy metals in physiology and pathology conditions. Part I. Jaremin B. **Bull Inst Marit Trop Med Gdynia** 1985;36(1–4):81–8 (177 ref.)

METABOLISM

Biomonitoring of industrial dusts on animals. I. Bioaccumulation of dust components. Reichrtová E. **Acta Biol Hung** 1986;37(1):7–12

Metal ions in body fluids after arthroplasty. Pazzaglia UE, et al. **Acta Orthop Scand** 1986 Oct;57(5):415–8

Metal imbalance and hyperactivity. Barlow PJ, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:458–62

Age and effect of chelating agents on metal elimination. Blanuša M, et al. **Acta Pharmacol Toxicol (Copenh)** 1986; 59 Suppl 7:558–61

Kinetics of transepithelial movement of heavy metals in rat jejunum. Foulkes EC, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):G134–8

Measurement of metal cation compartmentalization in tissue by high-resolution metal cation NMR. Springer CS Jr. **Annu Rev Biophys Biophys Chem** 1987;16:375–99 (82 ref.)

Microorganisms in reclamation of metals. Hutchins SR, et al. **Annu Rev Microbiol** 1986;40:311–36 (174 ref.)

Cooperative cluster formation in metallothionein. Byrd J, et al. **Arch Biochem Biophys** 1986 Oct;250(1):233–7

Tissue distribution of heavy metals and their variations with age, sex, and habitat in Japanese serows (Capricornis crispus). Honda K, et al. **Arch Environ Contam Toxicol** 1987 Sep;16(5):551–61

Concurrent exposure to lead, manganese, and cadmium and their distribution to various brain regions, liver, kidney, and testis of growing rats. Shukla GS, et al. **Arch Environ Contam Toxicol** 1987 May;16(3):303–10

Essential metal co-ordination in biochemistry. Tandon SK. **Arh Hig Rada Toksikol** 1985 Sep;36(3):307–23 (91 ref.)

Protein–metal ion interaction: volume effects produced by the interaction of proteins with metal ions. Katz S, et al. **Bioinorg Chem** 1976;6(2):143–54

Essential metal status of rat lactating dams. Segués T, et al. **Biol Res Pregnancy Perinatol** 1987;8(1 1ST Half):18–22

Mobilisation of heavy metals into the urine by CaEDTA: relation to erythrocyte and plasma concentrations and exposure indicators. Araki S, et al. **Br J Ind Med** 1986 Sep;43(9):636–41

Zinc, iron, manganese, and magnesium accumulation in crayfish populations near copper–nickel smelters at Sudbury, Ontario, Canada. Bagatto G, et al. **Bull Environ Contam Toxicol** 1987 Jun;38(6):1076–81

Lack of bioaccumulation of metals by Elliptio complanata (Bivalvia) during acidic snowmelt in three south-central Ontario streams. Servos MR, et al. **Bull Environ Contam Toxicol** 1987 May;38(5):762–8

Essential metals in tissues and tumor of inbred C57BL/6 mice during the infective cycle of Lewis lung carcinoma. Romeu A, et al. **Cancer Biochem Biophys** 1986 Dec;9(1):53–66

Studies of Zn, Mg, Cu, Ca and Fe in cadmium poisoned toads before and after treatment with EDTA. Hilmy AM, et al. **Comp Biochem Physiol [C]** 1986;85(1):167–70

Metal absorption and the intestinal mucus layer. Quarterman J. **Digestion** 1987;37(1):1–9

The relationship of the increased level of metallothionein with heavy metal levels in the tissue of the harbor seal (Phoca vitulina). Tohyama C, et al. **Ecotoxicol Environ Safety** 1986 Aug;12(1):85–94

Intracellular compartmentation of metals in aquatic organisms: roles in mechanisms of cell injury. Fowler BA. **Environ Health Perspect** 1987 Apr;71:121–8 (49 ref.)

Uptake and toxic effects of heavy metal ions: interactions among cadmium, copper and zinc in cultured cells. Meshitsuka S, et al. **Experientia** 1987 Feb 15;43(2):151–6

Essential metal balance and retention during the second half of pregnancy in the rat. Romeu A, et al. **Gynecol Obstet Invest** 1987;23(1):40–7

The effect of lipophilic substituents on the biological properties of EDTA complexes containing paramagnetic metal ions. Baker RJ, et al. **Int J Rad Appl Instrum [B]** 1987;14(2):123–6

Metal binding characteristics of human salivary and porcine pancreatic amylase. Agarwal RP, et al. **J Biol Chem** 1987 Feb 25;262(6):2568–75

Metal ion binding sites of bacteriorhodopsin. Laser-induced lanthanide luminescence study. Ariki M, et al. **J Biol Chem** 1987 Apr 15;262(11):4947–51

The binding activity of estrogen receptor to DNA and heat shock protein (Mr 90,000) is dependent on receptor-bound metal. Sabbah M, et al. **J Biol Chem** 1987 Jun 25; 262(18):8631–5

Oncomodulin. 1H NMR and optical stopped-flow spectroscopic studies of its solution conformation and metal-binding properties. Williams TC, et al. **J Biol Chem** 1987 May 5;262(13):6248–56

Inorganic biochemistry and myself. Williams RJ. **J Inorg Biochem** 1986 Oct–Nov;28(2–3):81–4

Effects of dietary nickel and protein on growth, nitrogen metabolism and tissue concentrations of nickel, iron, zinc, manganese and copper in calves. Spears JW, et al. **J Nutr** 1986 Oct;116(10):1873–82

Dentine hypersensitivity: effect of interactions between metal salts, fluoride and chlorhexidine on the uptake by dentine. Addy M, et al. **J Oral Rehabil** 1986 Nov;13(6):599–605

Proceedings of the third symposium on roles of metals in biological reactions, biology and medicine. Nagoya, June 5–6, 1986. Abstracts. **J Pharmacobiodyn** 1987 Jan; 10(1):s1–s25

Bioinorganic chemistry. Inorganic chemistry in a perspective of biology, medicine and the environment. Reedijk J. **Naturwissenschaften** 1987 Feb;74(2):71–7

The obvious function of albumin is not so obvious. **Nutr Rev** 1987 Apr;45(4):118–9

Tissue metal shifts by a single exposure to metals in rats. Nomiyama K, et al. **Sangyo Ika Daigaku Zasshi** 1987 Mar 20;9 Suppl:95–110

Metal ion binding by biological surfaces: voltammetric assessment in the presence of bacteria. Gonçalves ML, et al. **Sci Total Environ** 1987 Feb;60:105–19

Histones and metal-binding domains. Saavedra RA. **Science** 1986 Dec 19;234(4783):1589

Influence of metal chelators on metalloenzymes. Khandelwal S, et al. **Toxicol Lett** 1987 Aug;37(3):213–9

Effect of cadmium on essential metal concentrations in testis, liver and kidney of five inbred strains of mice. Maitani T, et al. **Toxicology** 1986 Dec 15;42(2–3):121–30

[Metals and polychlorinated compounds in eels from the Gdansk Bay and adjacent waters. I. Eels from the mouth of the Vistula River] Falandysz J, et al. **Rocz Panstw Zakl Hig** 1986;37(5):416–21 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Effect of metal ions on the antimicrobial activity of 5-sulphosalicylic acid. Khadikar PV, et al. **Acta Microbiol Hung** 1986;33(2):97–102

Characterization of hospital and community strains of Staphylococcus aureus for resistance to antimicrobial drugs, metallic ions, disinfectants, thermal injury and solar radiation. Utsalo SJ. **Acta Microbiol Hung** 1986; 33(3):183–91

Effect of some metal compounds on the Ca2+ binding and Ca2+–Mg2+–ATPase activity of eggshell gland mucosa homogenate from the domestic fowl. Lundholm CE, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Nov;59(5):410–5

The role of metals in enzyme-catalyzed substitutions at each of the phosphorus atoms of ATP. Mildvan AS. **Adv Enzymol** 1979;49:103–26 (98 ref.)

Transition metal ions in epilepsy: an overview. Chung SH, et al. **Adv Exp Med Biol** 1986;203:545–55 (42 ref.)

Relationship between magnesium, cancer and carcinogenic or anticancer metals. Durlach J, et al. **Anticancer Res** 1986 Nov–Dec;6(6):1353–61 (88 ref.)

Structural changes in bovine lens crystallins induced by ascorbate, metal, and oxygen. Garland D, et al. **Arch Biochem Biophys** 1986 Dec;251(2):771–6

DNA–protein crosslinking by heavy metals in Novikoff hepatoma. Wedrychowski A, et al. **Arch Biochem Biophys** 1986 Dec;251(2):397–402

Relationship between ceruloplasmin and Cu status involving metallothionein induced by several heavy metals in the mouse. Sugawara N, et al. **Arch Toxicol** 1987 Apr; 59(6):432–6

Modified activity of Aeromonas aminopeptidase: metal ion substitutions and role of substrates. Bayliss ME, et al. **Biochemistry** 1986 Dec 2;25(24):8113–7

Stabilization of phosphofructokinase with sugars during freeze-drying: characterization of enhanced protection in the presence of divalent cations. Carpenter JF, et al. **Biochim Biophys Acta** 1987 Jan 20;923(1):109–15

The role of metal ions in the activation of arginase. Munakata M, et al. **Bioinorg Chem** 1976;6(2):133–42

Lithium, metal ions, and choline [letter] Renshaw PF. **Biol Psychiatry** 1987 May;22(5):660–1

Significance of the taurine–glycine ratio as an indicator of stress. Scholz N. **Bull Environ Contam Toxicol** 1987 Jan; 38(1):15–21

Inhibition of methanogenesis in pure cultures by ammonia, fatty acids, and heavy metals, and protection against heavy metal toxicity by sewage sludge. Jarrell KF, et al. **Can J Microbiol** 1987 Jun;33(6):551–4

Induction of anchorage independence in human diploid foreskin fibroblasts by carcinogenic metal salts. Biedermann KA, et al. **Cancer Res** 1987 Jul 15;47(14):3815–23

Modulation of the antitumor and biochemical properties of bis(diphenylphosphine)ethane with metals. Snyder RM, et al. **Cancer Res** 1986 Oct;46(10):5054–60

Inhibition of trout (Salmo gairdneri R.) PBG-synthase by some metal ions (Mg2+, Pb2+, Zn2+). González O, et

al. **Comp Biochem Physiol [C]** 1987;86(1):163–7
Rat ovarian and adrenal prolactin receptors. Sizes and effects of divalent metal ions. Ohta S, et al. **Endocrinol Jpn** 1986 Apr;33(2):239–49
Fibronectin concentrations in lung lavage fluid after inhalation exposure to low levels of metals. Berghem L, et al. **Environ Res** 1987 Jun;43(1):179–85
Pseudomonas aeruginosa cytochrome oxidase. Product inhibition by low thermodynamic driving force. Blatt Y, et al. **Eur J Biochem** 1986 Oct 1;160(1):149–53
Biosynthesis of porphyrins in Rhodopseudomonas palustris—VI. The effect of metals, thiols and other reagents on the activity of uroporphyrinogen decarboxylase. Koopmann GE, et al. **Int J Biochem** 1987; 19(4):373–7
The effect of heavy metals on isozyme gene expression in Silene cucubalus. Verkleij JA, et al. **Isozymes Curr Top Biol Med Res** 1987;16:209–21
Purification and general properties of a metal–insensitive lipase from Rhizopus japonicus NR 400. Suzuki M, et al. **J Biochem (Tokyo)** 1986 Nov;100(5):1207–13
Induction of 32- and 34-kDa stress proteins by sodium arsenite, heavy metals, and thiol–reactive agents. Caltabiano MM, et al. **J Biol Chem** 1986 Oct 5; 261(28):13381–6
Yeast metallothionein function in metal ion detoxification. Ecker DJ, et al. **J Biol Chem** 1986 Dec 25; 261(36):16895–900
Effect of metal bound to the substrate site on calcium release from the phosphoenzyme intermediate of sarcoplasmic reticulum ATPase. Wakabayashi S, et al. **J Biol Chem** 1987 Aug 25;262(24):11524–31
The role and mechanism of metal ions and their complexes in enhancing damage in biological systems or in protecting these systems from the toxicity of O2–. Goldstein S, et al. **J Free Radic Biol Med** 1986;2(1):3–11 (77 ref.)
Metal–catalyzed oxidation renders silver intensification selective. Applications for the histochemistry of diaminobenzidine and neurofibrillary changes. Gallyas F, et al. **J Histochem Cytochem** 1986 Dec;34(12):1667–72
Effects of heavy metal cations and other sulfhydryl reagents on brain dopamine D1 receptors: evidence for involvement of a thiol group in the conformation of the active site. Braestrup C, et al. **J Neurochem** 1987 Jun;48(6):1667–72
The effect of saturation with Zn2+ and other metal ions on the antibacterial activity of ovotransferrin. Valenti P, et al. **Med Microbiol Immunol (Berl)** 1987;176(3):123–30
Resistance to metals by Pseudomonas aeruginosa clinical isolates. Cervantes–Vega C, et al. **Microbios** 1986; 48(196–197):159–63
Metal ion inactivation and chelator stimulation of Streptococcus mitis arginine aminopeptidase. Hiraoka BY, et al. **Mol Cell Biochem** 1987 Feb;73(2):111–5
Effects of cadmium and other metals on ciliary activity of mouse trachea organ cultures. Låg M, et al. **Pharmacol Toxicol** 1987 Apr;60(4):318–20
Effects of heavy metal ions on phospholipid metabolism in human neutrophils: relationship to ionophore–mediated cytotoxicity. Turner SR, et al. **Prostaglandins** 1986 Dec; 32(6):919–30
Metals as nutritional factors. Klevay LM. **Sangyo Ika Daigaku Zasshi** 1987 Mar 20;9 Suppl:59–72 (80 ref.)
Interaction of divalent metal ions with normal and lead–inhibited human erythrocytic porphobilinogen synthase in vitro. Farant JP, et al. **Toxicol Appl Pharmacol** 1987 Jun 15;89(1):9–18
Effects of metals on the chemiluminescent response of rainbow trout (Salmo gairdneri) phagocytes. Elsasser MS, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):243–50
Relationship between environment spread and presence in hosts of Escherichia coli strains resistant to antibiotics and metals. Morozzi G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Jul; 182(4):393–400
[Action of bivalent cations on the alkaline phosphatase activity of intestinal microvilli. Influence of pH and substrate] Tardivel S, et al. **Reprod Nutr Dev** 1987; 27(3):641–8 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

In vitro leukemic cell differentiation in metal–depleted media. Carpentieri U, et al. **Anticancer Res** 1987 Mar–Apr; 7(2):143–6

POISONING

Exposure assessment for metals involved in carcinogenesis. Bennett BG. **IARC Sci Publ** 1986;(71):115–27
Assessment of a scheme for prioritizing inorganic toxicants by using signs–and–symptoms analysis. Ashley DL, et al. **J Toxicol Clin Toxicol** 1986;24(5):375–87
Role of 2,3–dimercaptosuccinic acid in the treatment of heavy metal poisoning. Graziano JH. **Med Toxicol** 1986 May–Jun;1(3):155–62 (47 ref.)
Heavy metals and trace elements in amyotrophic lateral sclerosis. Mitchell JD. **Neurol Clin** 1987 Feb;5(1):43–60 (99 ref.)
Conditioned flavor aversions: applications in assessing the efficacy of chelators in the treatment of heavy–metal intoxication. Peele DB, et al. **Toxicol Appl Pharmacol** 1987 May;88(3):397–410
[Therapy of occupational heavy metal poisoning] Schunk W. **Z Gesamte Hyg** 1986 Aug;32(8):478–80 (Eng. Abstr.) **(Ger)**
[Therapy of metal poisoning with chelating agents] Alessio L, et al. **Med Lav** 1986 Nov–Dec;77(6):639–48 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Synergism of organic zinc salts and sulfhydryl compounds (thiols) in the protection of mice against acute ethanol toxicity, and protective effects of various metal salts. Floersheim GL. **Agents Actions** 1987 Jun;21(1–2):217–22
Efficacy of beta–diketonato complexes of titanium, zirconium, and hafnium against chemically induced autochthonous colonic tumors in rats. Bischoff H, et al. **J Cancer Res Clin Oncol** 1987;113(5):446–50

TOXICITY

Trace metal lung disease: hard metal pneumoconiosis. A case report. Edel J, et al. **Acta Pharmacol Toxicol (Copenh)** 1986; 59 Suppl 7:52–5
Critical and optimal levels of toxic metals. Grandjean P. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:20–3
On the heavy metal compounds hemolytic action. Ribarov SR, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:478–81
Metals and lipid peroxidation. Sunderman FW Jr. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:248–55
Influence of light on chlorophyll, a content of blue–green algae treated with heavy metals. Azeez PA, et al. **Bull Environ Contam Toxicol** 1987 Jun;38(6):1062–9
Regulatory role of extracellular medium components in metal induced cyto- and geno–toxicity. Cantoni O, et al. **Bull Environ Contam Toxicol** 1986 Dec;37(6):883–9
Use of the pocketbook mussel, Lampsilis ventricosa, for monitoring heavy metal pollution in an Ozark stream. Czarnezki JM. **Bull Environ Contam Toxicol** 1987 Apr; 38(4):641–6
Effects of temperature on the acute toxicity of heavy metals (Cr, Cd, and Hg) to the freshwater crayfish, Procambarus clarkii (Girard). Del Ramo J, et al. **Bull Environ Contam Toxicol** 1987 May;38(5):736–41
Toxicity of mixtures of heavy metals and petrochemicals to Xenopus laevis. de Zwart D, et al. **Bull Environ Contam Toxicol** 1987 Feb;38(2):345–51
Correlation between heavy metal acute toxicity values in Daphnia magna and fish. Khangarot BS, et al. **Bull Environ Contam Toxicol** 1987 Apr;38(4):722–6
Sensitivity of toad tadpoles, Bufo melanostictus (Schneider), to heavy metals. Khangarot BS, et al. **Bull Environ Contam Toxicol** 1987 Mar;38(3):523–7
Metal–induced conformational changes in calmodulin. Suhayda CG, et al. **Bull Environ Contam Toxicol** 1987 Feb; 38(2):289–94
Effects of maternal exposure to six heavy metals on fetal development. Tsuchiya H, et al. **Bull Environ Contam Toxicol** 1987 Apr;38(4):590–7
Cancer risk from inorganics. Swierenga SH, et al. **Cancer Metastasis Rev** 1987;6(2):113–54 (302 ref.)
Metal–induced DNA damage and repair in human diploid fibroblasts and Chinese hamster ovary cells. Hamilton–Koch W, et al. **Chem Biol Interact** 1986 Jul–Aug; 59(1):17–28
The role of micronutrient, selenium, in the manifestation of toxicity of heavy metals. Imura N. **Dev Toxicol Environ Sci** 1986;12:115–23
Pituitary function following treatment with reproductive toxins. Cooper RL, et al. **Environ Health Perspect** 1986 Dec;70:177–84
Contribution of metals to respiratory cancer. Peters JM, et al. **Environ Health Perspect** 1986 Dec;70:71–83
Effects of metals on chromosomes of higher organisms. Sharma A, et al. **Environ Mutagen** 1987;9(2):191–226 (312 ref.)
Alkaline phosphatase as a model for studying metal–protein interactions in pulmonary toxicity. Gupta S, et al. **Environ Res** 1987 Jun;43(1):24–30
Carcinogenicity and mutagenicity of some metals and their compounds. Sunderman FW Jr. **IARC Sci Publ** 1986; (71):17–43
Risk to preimplantation mouse embryos of combinations of heavy metals and radiation. Müller WU, et al. **Int J Radiat Biol** 1987 Jun;51(6):997–1006 (28 ref.)
Interaction of trace metal contaminants on hematological responses: influence of infection with Trypanosoma lewisi. Hogan Y, et al. **J Natl Med Assoc** 1987 May;79(5):521–31
Metal–induced lethality and mutagenesis: possible role of apurinic intermediates. Schaaper RM, et al. **Mutat Res** 1987 Apr;177(2):179–88
Biological and health implications of toxic heavy metal and essential trace element interactions. Chowdhury BA, et al. **Prog Food Nutr Sci** 1987;11(1):55–113 (269 ref.)
Relationships of toxicological effects to chemical forms of inorganic compounds. Furst A. **Sangyo Ika Daigaku Zasshi** 1987 Mar 20;9 Suppl:174–87 (62 ref.)
Effects of selenium antagonists on cancer susceptibility: new aspects of chronic heavy metal toxicity. Schrauzer GN. **Sangyo Ika Daigaku Zasshi** 1987 Mar 20;9 Suppl:208–15 (35 ref.)
Adverse effects of metals on the alveolar part of the lung. Johansson A, et al. **Scan Electron Microsc** 1986;(Pt 2):631–7
Carcinogenicity and allergenicity [letter] [published erratum appears in Science 1987 Aug 28;237(4818):964] Eisenbud M. **Science** 1987 Jun 26;236(4809):1613
Toxicities of some heavy metals to the tadpoles of frog, Microhyla ornata (Dumeril & Bibron). Rao J, et al. **Toxicol Lett** 1987 Apr;36(2):205–8
[Development of lung tumors in BALB/c mice in chronic influenza infection and inhalation of metal–containing aerosols] Shevchenko IN, et al. **Eksp Onkol** 1987;9(2):71–3 (Eng. Abstr.) **(Rus)**
[Prediction of the cardiotoxic action of metals] Chekunova MO, et al. **Gig Sanit** 1986 Jul;(7):29–30 (Eng. Abstr.) **(Rus)**
[Current concepts of the biological action of metals] Chekunova MP, et al. **Gig Sanit** 1986 Dec;(12):18–21 (13 ref.) (Eng. Abstr.) **(Rus)**
[Effect of polymetallic catalysts on various biochemical immunologic indicators in experimental animals] Merkur'eva RV, et al. **Gig Tr Prof Zabol** 1987 Feb;(2):26–9 (Eng. Abstr.) **(Rus)**

URINE

Lyophilized and natural urine specimens in the quality control of analyses of toxic metals. Valkonen S, et al. **Ann Clin Lab Sci** 1987 May–Jun;17(3):145–9
Comparison of the effects of urinary flow on adjusted and non–adjusted excretion of heavy metals and organic substances in 'healthy' men. Araki S, et al. **J Appl Toxicol** 1986 Aug;6(4):245–51

METALS, RARE EARTH

Metal ion binding sites of bacteriorhodopsin. Laser–induced lanthanide luminescence study. Ariki M, et al. **J Biol Chem** 1987 Apr 15;262(11):4947–51

METABOLISM

[Passage of neodymium, samarium, europium and terbium to fetuses and the utero–placental space after intravenous contamination of rats] Marciniak M, et al. **Rocz Panstw Zakl Hig** 1987;38(1):90–6 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Modification of sodium channel currents by lanthanum and lanthanide ions in human heart cells. Bustamante JO. **Can J Physiol Pharmacol** 1987 Apr;65(4):591–7
[Comparative study of the anticoagulant activity of dimethoxyphosphates of rare–earth elements] Novikova NV, et al. **Farmakol Toksikol** 1986 Jul–Aug;49(4):32–4 (Eng. Abstr.) **(Rus)**

TOXICITY

Possible involvement of a lanthanide–sensitive protein kinase C substrate in lanthanide promotion of neoplastic transformation. Smith BM, et al. **Carcinogenesis** 1986 Dec; 7(12):1949–56

METAMORPHOSIS, BIOLOGICAL

Nonparenchymal liver cells and granulomas during lamprey biliary atresia. Youson JH, et al. **Am J Anat** 1987 Jun; 179(2):155–68
Metamorphic changes within the lateral–line system of Anura. Wahnschaffe U, et al. **Anat Embryol (Berl)** 1987; 175(4):431–42
Morphology of ventral epidermis of Rana catesbeiana during metamorphosis. Robinson DH, et al. **Anat Rec** 1987 Mar; 217(3):305–17
Effect of tectotomy and decerebration on spontaneous and elicited behavior of tadpoles and juvenile frogs. Stehouwer DJ. **Behav Neurosci** 1987 Jun;101(3):378–84
The short–term effect of prolactin on the active Na transport system of the tadpole skin during metamorphosis. Takada M. **Comp Biochem Physiol [A]** 1986;85(4):755–9
Autolysis in the tail muscles of metamorphosing tadpoles. Komukai M, et al. **Comp Biochem Physiol [B]** 1986; 85(1):55–9
A change of the hepatocyte population is responsible for the progressive increase of vitellogenin synthetic capacity at and after metamorphosis of Xenopus laevis. Kawahara A, et al. **Dev Biol** 1987 Jul;122(1):139–45
Evidence for the involvement of PI–signaling and diacylglycerol second messengers in the initiation of metamorphosis in the hydroid Hydractinia echinata Fleming. Leitz T, et al. **Dev Biol** 1987 May;121(1):82–9
Hepatic iodothyronine 5–deiodinase activity in Rana catesbeiana tadpoles at different stages of the life cycle. Galton VA, et al. **Endocrinology** 1987 Jul;121(1):42–7
Variability of lipids and glycogen during hind limb regeneration in larval and metamorphose stages of Bufo regularis Reuss. Ramadan AA, et al. **Folia Morphol (Praha)** 1986;34(3):265–71
Demonstration of proteins and nucleic acids during hind limb regeneration in larval and metamorphose stages of Bufo regularis Reuss. Ramadan AA, et al. **Folia Morphol (Praha)** 1986;34(3):272–9
Hormonal control of the intestinal brush border enzyme activities in developing anuran amphibians. II. Effects of glucocorticoids and insulin during experimental

metamorphosis. Ben Brahim O, et al. **Gen Comp Endocrinol** 1987 Mar;65(3):489–95

Regulation of prothoracicotropic hormone release by juvenile hormone in the penultimate and last instar larvae of Mamestra brassicae. Hiruma K. **Gen Comp Endocrinol** 1986 Aug;63(2):201–11

Elevation of plasma aldosterone levels of tadpoles at metamorphic climax. Kikuyama S, et al. **Gen Comp Endocrinol** 1986 Aug;63(2):186–90

Effects of metamorphosis and captivity on the in vitro sensitivity of thyroid glands from the tiger salamander, Ambystoma tigrinum, to bovine thyrotropin. Norman MF, et al. **Gen Comp Endocrinol** 1987 Jul;67(1):77–84

Observations on the interaction of prolactin and thyroxine in the tail of the bullfrog tadpole. Ray LB, et al. **Gen Comp Endocrinol** 1986 Oct;64(1):36–43

Investigations on the role of cAMP in regulating resorption of the tail fin from tadpoles of Rana catesbeiana. Ray LB, et al. **Gen Comp Endocrinol** 1986 Oct;64(1):44–51

Changes in plasma thyroxine levels during and after spontaneous metamorphosis in a natural population of the green frog, Rana clamitans. Weil MR. **Gen Comp Endocrinol** 1986 Apr;62(1):8–12

Synthesis and storage of prolactin in the pituitary gland of bullfrog tadpoles during metamorphosis. Yamamoto K, et al. **Gen Comp Endocrinol** 1986 May;62(2):247–53

Corticosteroid regulation of IL-1 production may be responsible for deficient immune suppressor function during the metamorphosis of Xenopus laevis, the South African clawed toad. Highet AB, et al. **Immunopharmacology** 1987 Apr;13(2):149–55

Molecular cloning of hepatic mRNAs in Rana catesbeiana responsive to thyroid hormone during induced and spontaneous metamorphosis. Lyman DF, et al. **J Biol Chem** 1987 Apr 15;262(11):5233–7

Postembryonic neurogenesis in the CNS of the tobacco hornworm, Manduca sexta. I. Neuroblast arrays and the fate of their progeny during metamorphosis. Booker R, et al. **J Comp Neurol** 1987 Jan 22;255(4):548–59

Hormonally mediated reprogramming of muscles and motoneurones during the larval–pupal transformation of the tobacco hornworm, Manduca sexta. Weeks JC, et al. **J Exp Biol** 1986 Sep;125:1–13

Adenohypophysial–thyroid activity of the tiger salamander, Ambystoma tigrinum, as a function of metamorphosis and captivity. Norman MF, et al. **J Exp Zool** 1987 Apr; 242(1):55–66

Major histocompatibility complex–encoded class I molecules are absent in immunologically competent Xenopus before metamorphosis. Flajnik MF, et al. **J Immunol** 1986 Dec 15;137(12):3891–9

Ultrastructural changes in the intestinal connective tissue of Xenopus laevis during metamorphosis. Ishizuya–Oka A, et al. **J Morphol** 1987 Jul;193(1):13–22

Continued functioning of the feeding apparatus during moulting of Boophilus microplus as an adaptation of one–host ticks. Jorgensen WK, et al. **J Parasitol** 1986 Dec; 72(6):846–51

Corticosteroid binding in plasma of Xenopus laevis. Modifications during metamorphosis and growth. Jolivet–Jaudet G, et al. **J Steroid Biochem** 1986 Sep; 25(3):343–50

Availability of chemosensory receptors is down–regulated by habituation of larvae to a morphogenetic signal. Trapido–Rosenthal HG, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7658–62

Change of motor innervation pattern in musculus longissimus dorsi of Xenopus laevis at metamorphosis. Kordylewski L, et al. **Z Mikrosk Anat Forsch** 1986;100(5):790–813

[Quantitative variations during the intermoult cycle of peptides related to human growth hormone in Palaemon serratus (Crustacea; Decapoda)] Toullec JY, et al. **C R Acad Sci [III]** 1987;305(7):265–9 (Eng. Abstr.) **(Fre)**

[Electron microscopy studies of ciliated cells in the larval epidermis of Rana t. temporaria (L.) (Amphibia, Anura)] Hertwig I, et al. **Gegenbaurs Morphol Jahrb** 1987; 133(1):79–90 (Eng. Abstr.) **(Ger)**

[Changes in the activity of enzyme systems of xenobiotic metabolism at different stages of insect development] Leonova IN, et al. **Ontogenez** 1987 May–Jun;18(3):297–303 (Eng. Abstr.) **(Rus)**

[Correlation between the heat resistance of the provisional and definitive muscle tissue during the metamorphosis crisis in frogs] Chernokozheva IS, et al. **Tsitologiia** 1987 Feb; 29(2):233–6 (Eng. Abstr.) **(Rus)**

[Innervation and acetylcholine sensitivity of muscle fibers of the tail of the tadpole Rana temporaria] Lebedinskaia II, et al. **Zh Evol Biokhim Fiziol** 1987 Jan–Feb;23(1):86–91 (Eng. Abstr.) **(Rus)**

[Constancy and variability of aminergic nerve cells at different stages of the life cycle of the parasitic trematode Fasciola hepatica] Shishov BA, et al. **Zh Obshch Biol** 1987 Jan–Feb;48(1):124–35 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

A relationship between the inhibition of heparan sulfate and chondroitin sulfate synthesis and the inhibition of molting by selenate in the hemipteran Rhodnius prolixus. Dietrich CP, et al. **Biochem Biophys Res Commun** 1987 Jul 31; 146(2):652–8

Granule cell development in the frog cerebellum during spontaneous and thyroxine–induced metamorphosis. Hauser KF, et al. **J Comp Neurol** 1986 Nov 8;253(2):185–96

Insect growth regulators: mode of action on the cat flea, Ctenocephalides felis (Siphonaptera: Pulicidae). el–Gazzar LM, et al. **J Med Entomol** 1986 Dec 4;23(6):651–4

[Effect of 2 analogs of juvenile hormone on the metamorphosis of Xenopsylla cheopis Roths] Kostina MN, et al. **Med Parazitol (Mosk)** 1987 May–Jun;(3):29–32 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Maternal and larval effects of photoperiod on the induction of larval diapause in two species of fly, Calliphora vicina and Lucilia sericata. Saunders DS, et al. **Exp Biol** 1986; 46(1):51–8

Effect of gamma radiation on the metamorphic stages of Dermestes maculatus DeGeer (Coleoptera: Dermestidae). Seal DR, et al. **Int J Rad Appl Instrum [A]** 1986;37(6):531–5

The effects of X–rays on the survival of Xenopus tadpoles. Ahmad M, et al. **Radiobiol Radiother (Berl)** 1986; 27(6):793–804

METANEPHRINE see under **EPINEPHRINE**

METAPHASE

A chromosome's protein is a dependent variable of the total metaphase protein. Bahr GF, et al. **Anal Quant Cytol Histol** 1986 Sep;8(3):224–6

Factors influencing ADP–ribosylation differences between chromosomal proteins of interphase and metaphase HeLa cells. Adolph KW. **Arch Biochem Biophys** 1987 Feb 15; 253(1):176–88

High quality metaphases from solid ovarian tumors. Roberts CG, et al. **Cancer Genet Cytogenet** 1987 Jul;27(1):9–13

Bivalent orientation and behavior in crane–fly spermatocytes recovering from cold exposure. Janicke MA, et al. **Cell Motil Cytoskeleton** 1986;6(5):492–501

A comparative study on proteins released from metaphase chromosomes after digestion with restriction endonucleases and deoxyribonuclease I. Takahashi K, et al. **Cell Struct Funct** 1987 Apr;12(2):157–63

Orientation measurements of microsphere doublets and metaphase chromosomes in flow. Lucas JN, et al. **Cytometry** 1986 Nov;7(6):575–81

A nuclease–derived fragment of metaphase DNA and its relationship to the replicon. Clark RW, et al. **Exp Cell Res** 1987 Apr;169(2):296–310

The human inactivated X chromosome folds in early metaphase, prometaphase, and prophase. Van Dyke DL, et al. **Hum Genet** 1987 Sep;77(1):57–9

Metaphase protein phosphorylation in Xenopus laevis eggs. Lohka MJ, et al. **Mol Cell Biol** 1987 Feb;7(2):760–8

Identification of metaphase chromosomes after in situ hybridization with radiolabeled probes. Brothman AR. **Stain Technol** 1987 Mar;62(2):128–30

[Complementary DNA modification in metaphase chromosomes and interphase chromatin] Beliaev ND, et al. **Dokl Akad Nauk SSSR** 1986 Nov–Dec;291(1):234–6 **(Rus)**

[Characteristics of the ultrastructural organization of metaphase chromosomes in mouse embryos in the early cleavage stages] Zatsepina OV, et al. **Tsitologiia** 1987 Jan; 29(1):12–6 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The interactions between asbestos fibers and metaphase chromosomes of rat pleural mesothelial cells in culture. A scanning and transmission electron microscopic study. Wang NS, et al. **Am J Pathol** 1987 Feb;126(2):343–9

Metaphase and anaphase analysis of V79 cells exposed to erionite, UICC chrysotile and UICC crocidolite. Palekar LD, et al. **Carcinogenesis** 1987 Apr;8(4):553–60

Quinacrine–induced changes in mitotic PtK1 spindle microtubule organization. Armstrong L, et al. **Cell Motil Cytoskeleton** 1987;7(1):10–9

[Distribution of chromosomes and centrioles in three–polar metaphases induced by 2–mercaptoethanol in cultured Chinese hamster cells] Khodiakov AL, et al. **Dokl Akad Nauk SSSR** 1986 Sep–Oct;290(1):225–7 **(Rus)**

[Conditions of the reversibility of metaphase arrest and induction of multi–polar mitoses after treatment with nocodazole] Alieva IB, et al. **Tsitologiia** 1987 May; 29(5):560–8 (Eng. Abstr.) **(Rus)**

METAPLASIA

see related
MYELOID METAPLASIA

PATHOLOGY

Intracytoplasmic lumina with and without cilia in both normal and pathologically altered nasal mucosa. Boysen M, et al. **Ultrastruct Pathol** 1980 Oct–Dec;1(4):477–85

METAPROTERENOL see **ORCIPRENALINE**

METARADRIN see **METARAMINOL**

METARAMINOL

[Spinal anesthesia with tetracaine and metaraminol in urologic surgery] Schoch JP, et al. **Cah Anesthesiol** 1986 Dec;34(8):649–52 **(Fre)**

THERAPEUTIC USE

Emergency treatment of papaverine priapism. Fernandez JA, et al. **J Emerg Med** 1987 Jul–Aug;5(4):289–91

Treatment of post–traumatic priapism by intracavernous injection of alpha–stimulant. Mizutani M, et al. **Urol Int** 1986;41(4):312–4

METASTASIS see **NEOPLASM METASTASIS**

METASTRONGYLOIDEA

1H– and 13C–NMR spectroscopic study of glucose metabolism in eggs of Angiostrongylus cantonensis during their development. Takahashi M, et al. **Jpn J Med Sci Biol** 1987 Feb;40(1):27–33

CLASSIFICATION

Phylogenetic inference from adult morphology in the Nematoda; with emphasis on the bursate nematodes, the strongylida; advancements (1982–1985) and recommendations for further work. Lichtenfels JR. **Int J Parasitol** 1987 Feb;17(1):269–79 (35 ref.)

DRUG EFFECTS

Studies on anthelmintic effects of flubendazole and mebendazole on the rat lungworm Angiostrongylus cantonensis in mice and rats. Maki J, et al. **J Parasitol** 1986 Aug;72(4):512–6

Effects of milbemycin D on adult Angiostrongylus cantonensis in rats. Terada M, et al. **Parasitol Res** 1987; 73(4):375–80

GROWTH & DEVELOPMENT

Angiostrongylus cantonensis infection in Ampullarius canaliculatus (Lamarck) in Kyushu, Japan. Nishimura K, et al. **Southeast Asian J Trop Med Public Health** 1986 Dec; 17(4):595–600

IMMUNOLOGY

Localization of eosinophil chemotactic factors in adult worms and third–stage larvae of Metastrongylus apri. Sasaki O, et al. **Nippon Juigaku Zasshi** 1987 Feb;49(1):161–4

Angiostrongylus cantonensis: immunoblot analysis of the antigens recognized by rats. Fujii T. **Parasitol Res** 1987; 73(4):366–74

ISOLATION & PURIFICATION

[Technic for the collection of larvae of Angiostrongylus cantonensis from Mollusca] Gálvez Oviedo MD. **Rev Cubana Med Trop** 1986 Sep–Dec;38(3):359–60 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Eosinophil responses of permissive and nonpermissive hosts to the young adult worms of Angiostrongylus cantonensis. Ishida K, et al. **Z Parasitenkd** 1986;72(5):661–71

RADIATION EFFECTS

Late development and fertility of adult worms derived from gamma–irradiated first–stage larvae of Angiostrongylus cantonensis. Ishii AI, et al. **Parasitol Res** 1987;73(2):159–64

METASYMPATOL see **PHENYLEPHRINE**

METATARSOPHALANGEAL JOINT see under **TOE JOINT**

METATARSUS

Intraosseous neurilemmoma of the foot. A case report. Bailey SW, et al. **J Am Podiatr Med Assoc** 1987 Jun;77(6):294–7

Polycythemia induced metatarsalgia. A case report. Marcinko DE, et al. **J Am Podiatr Med Assoc** 1986 Sep; 76(9):511–3

Unicameral bone cyst of the second metatarsal with pathologic fracture. Martin SJ, et al. **J Am Podiatr Med Assoc** 1987 Mar;77(3):143–7

Morton's neuroma: a review of recent concepts. Alexander IJ, et al. **Orthopedics** 1987 Jan;10(1):103–6 (15 ref.)

Conservative management of metatarsal and heel pain in the adult foot. D'Ambrosia RD. **Orthopedics** 1987 Jan; 10(1):137–42

[Osteomyelitis of the metacarpal bone and metatarsal bones II and IV in the horse] Verschooten F, et al. **DTW** 1987 Jun 9;94(6):330–3 (Eng. Abstr.) **(Ger)**

ABNORMALITIES

Treatment of multiple brachymetatarsia: a case report. Hosokawa K, et al. **Br J Plast Surg** 1987 Jul;40(4):423–6

Correction of juvenile hallux valgus deformity associated with metatarsus primus adductus using epiphysiodesis technique. Sheridan LE. **Clin Podiatr Med Surg** 1987 Jan; 4(1):63–74 (27 ref.)

Surgical management of metatarsus adductus deformity. Yu GV, et al. **Clin Podiatr Med Surg** 1987 Jan;4(1):207–32 (32 ref.)
Surgical management of tarsal coalition in adolescent athletes. Morgan RC Jr, et al. **Foot Ankle** 1986 Dec; 7(3):183–93
A reappraisal of metatarsus adductus and skewfoot. Berg EE. **J Bone Joint Surg [Am]** 1986 Oct;68(8):1185–96
[A rare case of polydactyly with syndactyly and a supernumerary metatarsus] Pessina R. **Chir Organi Mov** 1986 Oct–Dec;71(4):421–3 (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

Metatarsus primus elevatus and the etiology of hallux rigidus. Meyer JO, et al. **J Foot Surg** 1987 May–Jun;26(3):237–41
Anatomic and clinical significance of the first and most medial deep transverse metatarsal ligament. Valvo P, et al. **J Foot Surg** 1987 May–Jun;26(3):194–203
The supra–transverse intermetatarsocapital bursa: a description and its relation to painful syndromes of the forefoot. Chauveaux D, et al. **Surg Radiol Anat** 1987; 9(1):13–8

INJURIES

Iselin's disease. Lehman RC, et al. **Am J Sports Med** 1986 Nov–Dec;14(6):494–6
Osteopenia and metatarsal fractures in diabetic neuropathy. Cundy TF, et al. **Diabetic Med** 1985 Nov;2(6):461–4
Management of fractures and exostosis of the metacarpals and metatarsals II and IV in 25 horses. Allen D, et al. **Equine Vet J** 1987 Jul;19(4):326–30
Luxation of the metacarpophalangeal and metatarsophalangeal joints in horses. Yovich JV, et al. **Equine Vet J** 1987 Jul;19(4):295–8
Nonoperative treatment of stress fractures of the proximal shaft of the fifth metatarsal (Jones' fracture). Acker JH, et al. **Foot Ankle** 1986 Dec;7(3):152–5
Fractures of the base of the fifth metatarsal distal to the tuberosity: a review. Lehman RC, et al. **Foot Ankle** 1987 Feb;7(4):245–52
Compression bone plating of a medial condylar fracture of the third metatarsal bone in a Thoroughbred filly. Bowman KF, et al. **J Am Vet Med Assoc** 1987 Feb 1;190(3):305–7
Nuclear scintigraphic evaluation of third metacarpal and metatarsal bone fractures in three horses. Markel MD, et al. **J Am Vet Med Assoc** 1987 Jul 1;191(1):75–7
Metacarpal and metatarsal fractures in dairy cattle: 33 cases (1979–1985). Tulleners EP. **J Am Vet Med Assoc** 1986 Aug 15;189(4):463–8
The late results of tarsometatarsal joint injuries. Brunet JA, et al. **J Bone Joint Surg [Br]** 1987 May;69(3):437–40
Spontaneous fractures of the lesser metatarsals secondary to an amputated hallux and peripheral neuropathy. Iannucci AJ, et al. **J Foot Surg** 1987 Jan–Feb;26(1):66–71
Epiphyseal growth plate fracture: Salter and Harris type V. Pozarny E, et al. **J Foot Surg** 1987 May–Jun;26(3):204–9
Jones' own fracture [letter] Bohrer SP. **JAMA** 1986 Nov 7;256(17):2345
[Fracture of the base of the 5th metatarsal bone: treatment using boot cast or zinc paste?] Sadry F, et al. **Z Unfallchir Versicherungsmed Berufskr** 1986;79(4):269–70 **(Fre)**
[Treatment tactics in fractures of the midfoot] Hansis M, et al. **Aktuel Traumatol** 1986 Oct;16(5):190–5 (Eng. Abstr.) **(Ger)**
[Pelvic pain following osteomyelitis of the middle foot] Erlemann R, et al. **Radiologe** 1987 Mar;27(3):141–2 **(Ger)**
[Fracture of the base of 5th metatarsus—"en sabot" treatment] Jakob J. **Schweiz Rundsch Med Prax** 1987 May 26; 76(22):622–7 (Eng. Abstr.) **(Ger)**
[Base fracture of the 5th metatarsal. Classification and therapy using a strapping bandage] Linder P, et al. **Z Unfallchir Versicherungsmed Berufskr** 1986;79(4):257–60 **(Ger)**
[Classification and treatment of open fractures of the foot bones] Cherkes–Zade DI, et al. **Ortop Travmatol Protez** 1987 May;(5):33–6 (Eng. Abstr.) **(Rus)**

INNERVATION

[Morton's metatarsalgia] Häring M. **Unfallchirurg** 1987 Apr; 90(4):194–7 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Osteochondritis dissecans of the midfoot. Lehman RC, et al. **Foot Ankle** 1986 Dec;7(3):177–82

PHYSIOLOGY

Effects of age and diet on the development of mechanical strength by the third metacarpal and metatarsal bones of young horses. Glade MJ, et al. **J Anim Sci** 1986 Nov; 63(5):1432–44

RADIOGRAPHY

A normal variant simulating Freiberg's disease. Jensen EL, et al. **Acta Radiol** 1987 Jan–Feb;28(1):85–6

RADIONUCLIDE IMAGING

Scintigraphic manifestations of infraction of the second metatarsal (Freiberg's disease). Mandell GA, et al. **J Nucl Med** 1987 Feb;28(2):249–51

SURGERY

Experiences with the chevron (V–)osteotomy on adolescent hallux valgus. Grill F, et al. **Arch Orthop Trauma Surg** 1986;106(1):47–51
Distal metatarsal osteotomy for hallux valgus in the middle–aged patient. Das De S, et al. **Clin Orthop** 1987 May;(218):239–46
Basal osteotomy of the fifth metatarsal with intermetatarsal pinning: a new approach to tailor's bunion. Diebold PF, et al. **Foot Ankle** 1987 Aug;8(1):40–5
Metatarsal shortening osteotomy with shortening osteotomy guide. Reese HW, et al. **J Am Podiatr Med Assoc** 1987 Jun;77(6):304–7
Elongation of brachymetatarsy with ceramic implant: a roentgenographic evaluation of its utility. Yonenobu K, et al. **J Biomed Mater Res** 1986 Oct;20(8):1249–56
Amputations at the middle level of the foot. A retrospective and prospective study [letter] Rubin G. **J Bone Joint Surg [Am]** 1987 Jun;69(5):791–2
Biplane cuneiform osteotomy for juvenile metatarsus primus varus. Bacardi BE, et al. **J Foot Surg** 1986 Nov–Dec; 25(6):472–8
Panmetatarsal head resection in chronic neuropathic ulceration. Giurini JM, et al. **J Foot Surg** 1987 May–Jun; 26(3):249–52
Metatarsal osteotomies: which operation? Grace DL. **J Foot Surg** 1987 Jan–Feb;26(1):46–50
Axial wedge osteotomy of the first metatarsal head (an adjunctive procedure for correction of hallux abducto valgus). Howard KW, et al. **J Foot Surg** 1986 Nov–Dec; 25(6):436–9
The Heyman–Herndon tarsometatarsal capsulotomy for metatarsus adductus: results in 48 feet. Stark JG, et al. **J Pediatr Orthop** 1987 May–Jun;7(3):305–10
[Surgery of hallux valgus due to a varus position of the 1st metatarsal bone] van Hussen FA. **Ned Tijdschr Geneeskd** 1986 Nov 8;130(45):2030–2 (Eng. Abstr.) **(Dut)**
[Aseptic necrosis of the metatarsal head and results of surgical treatment] Gurin J. **Magy Traumatol Orthop Helyreallito Sebesz** 1987; 30(3):185–91 (Eng. Abstr.) **(Hun)**

METENCEPHALON see **PONS**

METEOROLOGICAL FACTORS

Human biometeorology and geopathology. **Experientia** 1987 Jan 15;43(1):1–108
A short history of human biometeorology. Bouma JJ. **Experientia** 1987 Jan 15;43(1):2–6
Response to meteorological stress as a function of age. Jungmann H. **Experientia** 1987 Jan 15;43(1):54–7
The influence of seasonal atmospheric factors on human reproduction. Miura T. **Experientia** 1987 Jan 15;43(1):48–54
Mental processes and disorders: a neurobehavioral perspective in human biometeorology. Persinger MA. **Experientia** 1987 Jan 15;43(1):39–48
Lunacy. Danzl DF. **J Emerg Med** 1987;5(2):91–5
The effect of biometeorological factors on Ritchie articular index and pain in rheumatoid arthritis. Dequeker J, et al. **Scand J Rheumatol** 1986;15(3):280–4
[Premature rupture of the fetal membranes, moon phases and barometric pressure] Helm P, et al. **Ugeskr Laeger** 1987 May 25;149(22):1458–60 (Eng. Abstr.) **(Dan)**
[Relationship between meteorological factors and pollen counts of Cryptomeria japonica and Cupressaceae in Sakado city] Yasuda K, et al. **Arerugi** 1986 Jun;35(6):409–14 (Eng. Abstr.) **(Jpn)**
[Effect of atmospheric fronts on physical work capacity and the adaptive reactions of the cardiovascular system] Aringazina AM, et al. **Fiziol Cheloveka** 1986 Nov–Dec; 12(6):1034–6 **(Rus)**
[Analysis of the interrelations between the indicators of the health status of the population and environmental factors] Korneev IuE, et al. **Gig Sanit** 1986 Nov;(11):8–11 (Eng. Abstr.) **(Rus)**
[A model for evaluating the quality of the urban environment with regard to the combined effect of the arbitrary number of various factors] Ryshtakov VI. **Gig Sanit** 1986 Oct; (10):56–8 **(Rus)**
[Relation of the annual biorhythms of the leukocyte count in the peripheral blood of healthy persons to heliogeophysical rhythms (1)] Komarov FI, et al. **Voen Med Zh** 1987 Mar;(3):27–32 **(Rus)**
[Risk factors in the occurrence of acute pneumonia] Polozhentsev SD, et al. **Voen Med Zh** 1987 May;(5):56–7 **(Rus)**
[Effect of meteorologic factors on the rheologic properties of the blood in stenocardia patients] Kitura EM. **Vrach Delo** 1986 Sep;(9):32–4 (Eng. Abstr.) **(Rus)**

METESTRUS see under **ESTRUS**

METFORMIN

BLOOD

Plasma biguanide levels are correlated with metabolic effects in diabetic patients. Marchetti P, et al. **Clin Pharmacol Ther** 1987 Apr;41(4):450–4
[Physiopathological approach to pathological hyperlactatemia in the diabetic patient. Value of blood metformin] Lambert H, et al. **Ann Fr Anesth Reanim** 1987; 6(2):88–94 (Eng. Abstr.) **(Fre)**

METABOLISM

Reduction of metformin renal tubular secretion by cimetidine in man. Somogyi A, et al. **Br J Clin Pharmacol** 1987 May; 23(5):545–51

PHARMACODYNAMICS

Anorectic effect of metformin in lean and genetically obese hyperglycaemic (ob/ob) mice. Bailey CJ, et al. **Arch Int Pharmacodyn Ther** 1986 Aug;282(2):233–9
Effect of metformin on glucose metabolism in mouse soleus muscle. Bailey CJ, et al. **Diabete Metab** 1986 Aug; 12(4):212–8
Metformin enhances insulin binding to "in vitro" down regulated human fat cells. Cigolini M, et al. **Diabete Metab** 1987 Feb;13(1):20–2
Effects of metformin on insulin receptor tyrosine kinase activity in rat adipocytes. Jacobs DB, et al. **Diabetologia** 1986 Nov;29(11):798–801
Direct effects of biguanides on glucose utilization in vitro. Purrello F, et al. **Metabolism** 1987 Aug;36(8):774–6
[Update on metformin] Isnard F. **Journ Annu Diabetol Hotel Dieu** 1987;:323–34 (44 ref.) **(Fre)**

POISONING

Recovery from metformin overdose [letter] McLelland J. **Diabetic Med** 1985 Sep;2(5):410–1

THERAPEUTIC USE

Energy expenditure in non–insulin dependent diabetic subjects on metformin or sulphonylurea therapy. Leslie P, et al. **Clin Sci** 1987 Jul;73(1):41–5
Effect of metformin on peripheral insulin sensitivity in non insulin dependent diabetes mellitus. Prager R, et al. **Diabete Metab** 1986 Dec;12(6):346–50
Effects of metformin treatment on erythrocyte insulin binding in normal weight subjects, in obese non diabetic subjects, in type 1 and type 2 diabetic patients. Rizkalla SW, et al. **Diabete Metab** 1986 Aug;12(4):219–24
Mechanism of metformin action in non–insulin–dependent diabetes. Jackson RA, et al. **Diabetes** 1987 May; 36(5):632–40
Effect of metformin on insulin–stimulated glucose turnover and insulin binding to receptors in type II diabetes. Nosadini R, et al. **Diabetes Care** 1987 Jan–Feb;10(1):62–7
Role of metformin in treatment of diabetes mellitus. Vigneri R, et al. **Diabetes Care** 1987 Jan–Feb;10(1):118–22 (58 ref.)
The effect of metformin on glycaemic control, intermediary metabolism and blood pressure in non–insulin–dependent diabetes mellitus. Campbell IW, et al. **Diabetic Med** 1987 Jul–Aug;4(4):337–41
[Therapy of diabetes mellitus in "secondary failure of sulfonylurea compounds"] Bachmann W. **Med Klin** 1987 Jun 19;82(14):491–4 **(Ger)**
[Glycometabolic effects of treatment with low–dose metformin] Gregorio F, et al. **Recenti Prog Med** 1986 Dec; 77(12):549–53 (Eng. Abstr.) **(Ita)**

METHACHOLINE COMPOUNDS

ADMINISTRATION & DOSAGE

Hyporesponsiveness to aerosolized but not to infused methacholine in cigarette–smoking dogs. Desanctis GT, et al. **Am Rev Respir Dis** 1987 Feb;135(2):338–44
Distribution of methacholine inhalation challenge responses in a selected adult population. Lang DM, et al. **J Allergy Clin Immunol** 1987 Mar;79(3):533–40

ADVERSE EFFECTS

Airway response to methacholine inhalation in asymptomatic male smokers. Jindal SK, et al. **Indian J Chest Dis Allied Sci** 1985 Oct–Dec;27(4):225–9
Passive transfer of methacholine sensitivity from man to monkey. Fink JN, et al. **J Allergy Clin Immunol** 1987 Mar; 79(3):427–32

ANTAGONISTS & INHIBITORS

Factors that contribute to inhibition of methacholine–induced bronchoconstriction [letter] Zamel N, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1331
Effect of nedocromil sodium on adenosine– and methacholine–induced bronchospasm in asthma. Crimi E, et al. **Clin Allergy** 1987 Mar;17(2):135–41
Duration of oral procaterol protection from methacholine–induced bronchial obstruction. De Candussio G, et al. **Int J Clin Pharmacol Res** 1986;6(5):403–7
Nifedipine decreases sensitivity and reactivity to methacholine in mild asthmatics. Perpiñá M, et al. **Respiration** 1987;51(1):49–57

DIAGNOSTIC USE

Specificity and sensitivity of methacholine challenge test in children with normal and hyperreactive airways. Spiropoulos K, et al. **Acta Paediatr Scand** 1986 Sep; 75(5):737–43

Do physicians need objective measurements to diagnose asthma? Adelroth E, et al. **Am Rev Respir Dis** 1986 Oct; 134(4):704–7

Intraesophageal perfusion of acid increases the bronchomotor response to methacholine and to isocapnic hyperventilation in asthmatic subjects. Herve P, et al.
Am Rev Respir Dis 1986 Nov;134(5):986–9

Methacholine inhalation challenge studies in a selected pediatric population. Hopp RJ, et al.
Am Rev Respir Dis 1986 Nov;134(5):994–8

Airway responsiveness to methacholine during the natural menstrual cycle and the effect of oral contraceptives. Juniper EF, et al. **Am Rev Respir Dis** 1987 May; 135(5):1039–42

Sulfur-dioxide-induced bronchitis in dogs. Effects on airway responsiveness to inhaled and intravenously administered methacholine. Shore SA, et al. **Am Rev Respir Dis** 1987 Apr;135(4):840–7

Maximal airway narrowing in humans in vivo. Histamine compared with methacholine. Sterk PJ, et al.
Am Rev Respir Dis 1986 Oct;134(4):714–8

Refractory period to ultrasonic mist of distilled water: relationship to methacholine responsiveness, atopic status, and clinical characteristics. Mattoli S, et al.
Ann Allergy 1987 Feb;58(2):134–40

Symptoms, atopy, and bronchial response to methacholine in parents with asthma and their children. Clifford RD, et al. **Arch Dis Child** 1987 Jan;62(1):66–73

Bronchial response to methacholine in parents of asthmatic children. Bruderman I, et al. **Chest** 1987 Feb;91(2):210–3

Provocative dose and dose-response curve to inhaled propranolol in asthmatic patients with bronchial hyperresponsiveness to methacholine. Foresi A, et al.
Chest 1987 Sep;92(3):455–9

Comparison of bronchial responses to ultrasonically nebulized distilled water, exercise, and methacholine in asthma. Foresi A, et al. **Chest** 1986 Dec;90(6):822–6

Late, but not early, asthmatic reactions induced by toluene-diisocyanate are associated with increased airway responsiveness to methacholine. Mapp CE, et al.
Eur J Respir Dis 1986 Oct;69(4):276–84

The role of the methacholine challenge in children with chronic cough. Galvez RA, et al.
J Allergy Clin Immunol 1987 Feb;79(2):331–5

Effect of terfenadine on methacholine-induced bronchoconstriction in asthma. Patel KR.
J Allergy Clin Immunol 1987 Feb;79(2):355–8

Methacholine inhalational challenge in the evaluation of chronic cough in children. de Benedictis FM, et al.
J Asthma 1986;23(6):303–8

Elevated bronchoalveolar lavage fluid histamine levels in allergic asthmatics are associated with methacholine bronchial hyperresponsiveness. Casale TB, et al.
J Clin Invest 1987 Apr;79(4):1197–203

Methacholine for diagnosis of asthma.
Med Lett Drugs Ther 1987 Jun 19;29(742):60

Aspirin and methacholine challenges in an ambulatory asthmatic population. Frazer J, et al.
New Engl Reg Allergy Proc 1986 Jan–Feb;7(1):38–41

Clinical use of methacholine bronchial challenge testing. Alberts WM, et al. **South Med J** 1987 Jul;80(7):827–30

Effect of nifedipine on arterial hypoxaemia occurring after methacholine challenge in asthma. Ballester E, et al.
Thorax 1986 Jun;41(6):468–72

Prevalence of bronchial reactivity to inhaled methacholine in New Zealand children [letter] Clifford RD, et al.
Thorax 1986 Sep;41(9):705–6

Airway response to methacholine during exercise induced refractoriness in asthma. Magnussen H, et al. **Thorax** 1986 Sep;41(9):667–70

Clinical characteristics and methacholine sensitivity in patients with suspected bronchial asthma. Johnson KT, et al. **Wis Med J** 1987 Apr;86(4):17–9

[A simplified methacholine test in the detection of bronchial hyperreactivity] Gonsior E, et al. **Prax Klin Pneumol** 1987 Apr;41(4):136–42 (Eng. Abstr.) **(Ger)**

[Pharmaco-pupillometry with methacholine in Ménière's disease] Guidetti G, et al. **Acta Otorhinolaryngol Ital** 1987 Mar–Apr;7(2):205–16 (Eng. Abstr.) **(Ita)**

[Studies on a comparison between continuous changes in respiratory impedance and in regional ventilatory distribution, and on the sites of airway obstruction induced by the methacholine provocation test] Kitada O, et al.
Arerugi 1986 Oct;35(10):1011–21 (Eng. Abstr.) **(Jpn)**

[Fall of the respiratory resistance curve in the inhalation test with methacholine using the Astograph in spite of bronchial constriction] Kokubu H. **Arerugi** 1987 Mar;36(3):140–54 (Eng. Abstr.) **(Jpn)**

[Bronchial hyperreactivity to methacholine in workers in an aluminum electrolysis potroom] Ofner B, et al.
Arh Hig Rada Toksikol 1986 Sep;37(3):301–9 (Eng. Abstr.) **(Ser)**

[The metacholine test for the study of unspecific bronchial hyperreactivity in childhood] Michavila Gómez A, et al.
An Esp Pediatr 1986 Dec;25(6):411–6 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Airway responses to aerosolized methacholine in the cat. Effects of partial or complete vagosympathectomy. Pai TR, et al. **Am Rev Respir Dis** 1987 Jan;135(1):190–3

A disbalance between beta-adrenergic and muscarinic responses caused by hydrogen peroxide in rat airways in vitro. Kramer K, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):357–62

Dissociation constants and relative efficacies of acetylcholine, (+)- and (-)-methacholine at muscarinic receptors in the guinea-pig ileum. Ringdahl B. **Br J Pharmacol** 1986 Sep; 89(1):7–13

Histamine and methacholine do not increase nasal reactivity. Grønborg H, et al. **Clin Allergy** 1986 Nov;16(6):597–602

The combined effects of two pairs of mediators, adenosine with methacholine and prostaglandin D2 with histamine, on airway calibre in asthma. Hardy CC, et al. **Clin Sci** 1986 Oct;71(4):385–92

The effect of cigarette smoke and diabetes mellitus on muscarinic stimulation of prostacyclin synthesis by the rat penis. Jeremy JY, et al. **Diabetes Res** 1986 Nov;3(9):467–9

Cromolyn sodium inhibits the increased responsiveness to methacholine that follows ultrasonically nebulized water challenge in patients with asthma. Black JL, et al.
J Allergy Clin Immunol 1987 Jul;80(1):39–44

Late bronchial response and increase in methacholine hyperresponsiveness after exercise and distilled water challenge in atopic subjects with asthma with dual asthmatic response to allergen inhalation. Foresi A, et al.
J Allergy Clin Immunol 1986 Dec;78(6):1130–9

Effect of long-term treatment with inhaled corticosteroids and beta-agonists on the bronchial responsiveness in children with asthma. Kerrebijn KF, et al.
J Allergy Clin Immunol 1987 Apr;79(4):653–9

Increase in gastroesophageal reflux during methacholine-induced bronchospasm. Moote DW, et al.
J Allergy Clin Immunol 1986 Oct;78(4 Pt 1):619–23

Methacholine responsiveness increases after ultrasonically nebulized water but not after ultrasonically nebulized hypertonic saline in patients with asthma. Smith CM, et al. **J Allergy Clin Immunol** 1987 Jan;79(1):85–92

Canine bronchoconstriction, gas trapping, and hypoxia with methacholine. Breen PH, et al. **J Appl Physiol** 1987 Jul; 63(1):262–9

Airway responses to methacholine in asymptomatic nonatopic cigarette smokers. Casale TB, et al.
J Appl Physiol 1987 May;62(5):1888–92

Partitioning of airway responses to inhaled methacholine in the rat. DiMaria GU, et al. **J Appl Physiol** 1987 Mar; 62(3):1317–23

Effects of lung volume on maximal methacholine-induced bronchoconstriction in normal humans. Ding DJ, et al.
J Appl Physiol 1987 Mar;62(3):1324–30

Total lung capacity does not change during methacholine-stimulated airway narrowing. Kirby JG, et al. **J Appl Physiol** 1986 Dec;61(6):2144–7

Airway reactivity in infants: a positive response to methacholine and metaproterenol. Tepper RS.
J Appl Physiol 1987 Mar;62(3):1155–9

Methacholine-induced airway reactivity of inbred rats. Wang CG, et al. **J Appl Physiol** 1986 Dec;61(6):2180–5

Mobilization of intracellular calcium by methacholine and inositol 1,4,5-trisphosphate in rat parotid acinar cells. Aub DL, et al. **J Dent Res** 1987 Feb;66(2):547–51

Stimulation of adenylate cyclase in relation to dopamine-induced long-term enhancement (LTE) of muscarinic depolarization in the rabbit superior cervical ganglion. Mochida S, et al. **J Neurosci** 1987 Feb;7(2):311–8

Effect of methacholine on ionic permeability of basal membrane of the eccrine secretory cell. Sato K.
Pflugers Arch 1986;407 Suppl 2:S100–6

Airway responsiveness to histamine or methacholine: advances in measurement and interpretation. Hargreave FE, et al. **Respiration** 1986;50 Suppl 2:72–6

Nasal response of rhinitic and non-rhinitic subjects to histamine and methacholine: a comparative study. Corrado OJ, et al. **Thorax** 1986 Nov;41(11):863–8

SUPPLY & DISTRIBUTION

Methacholine availability for bronchial challenge testing [letter] Witek TJ Jr, et al. **Am Rev Respir Dis** 1987 Feb; 135(2):514

THERAPEUTIC USE

Increase in bronchial responsiveness to methacholine and late asthmatic response after the inhalation of ultrasonically nebulized distilled water. Mattoli S, et al. **Chest** 1986 Nov; 90(5):726–32

METHACRYLATES see under ACRYLATES

METHACRYLIC ACID POLYMERS see POLYMETHACRYLIC ACIDS

METHADONE

Epidural methadone for preoperative analgesia in patients with proximal femoral fractures. Nyska M, et al.
Br Med J [Clin Res] 1986 Nov 22;293(6558):1347–8

Reduced estriol and dehydroepiandrosterone sulphate plasma levels in methadone-addicted pregnant women. Facchinetti F, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Oct; 23(1–2):67–73

Mother–infant interaction in multiproblem families: finding those at risk. Bernstein VJ, et al.
J Am Acad Child Psychiatry 1986 Sep;25(5):631–40

ADMINISTRATION & DOSAGE

Choice of blind methadone dose increases by methadone maintenance patients. Bickel WK, et al.
Drug Alcohol Depend 1986 Oct;18(2):165–71

Contingent methadone delivery: effects on illicit-opiate use. Higgins ST, et al. **Drug Alcohol Depend** 1986 Jul; 17(4):311–22

Methadone dose levels and client characteristics in heroin addicts. Metzger DS, et al. **Int J Addict** 1987 Feb; 22(2):187–94

Methadone dosage: patient characteristics and clinical correlates. Roszell DK, et al. **Int J Addict** 1986 Nov; 21(11):1233–46

Beta endorphin levels in CSF during methadone maintenance. Kosten TR, et al. **Life Sci** 1987 Aug 31; 41(9):1071–6

Drug interactions with methadone in humans. Kreek MJ.
Natl Inst Drug Abuse Res Monogr Ser 1986;68:193–225 (37 ref.)

[Postoperative analgesia with epidural methadone] Eimeral D, et al. **Harefuah** 1987 Jan 15;112(2):62–5 (Eng. Abstr.) **(Heb)**

[Continuous postoperative epidural pump infusion of methadone] Eimerl D, et al. **Harefuah** 1987 Mar 15; 112(6):275–7 (Eng. Abstr.) **(Heb)**

[Continuous self-administered epidural methadone and Marcaine for low-back and sciatic pain] Haimsky G, et al. **Harefuah** 1987 Jan 1;112(1):10–1 (Eng. Abstr.) **(Heb)**

[Oral administration of methadone to patients with chronic pain (letter)] Hernández Aguado C, et al.
Rev Esp Anestesiol Reanim 1986 Jul–Aug;33(4):275–6 **(Spa)**

ADVERSE EFFECTS

An investigation of withdrawal symptoms shown by opiate addicts during and subsequent to a 21-day in-patient methadone detoxification procedure. Gossop M, et al.
Addict Behav 1987;12(1):1–6

Occurrence of strabismus in infants born to drug-dependent women. Nelson LB, et al. **Am J Dis Child** 1987 Feb; 141(2):175–8

Methadone treatment in British Columbia: bad medicine? [letter] Dole VP. **Can Med Assoc J** 1987 Apr 15;136(8):798

Fetal addiction to methadone: postnatal abstinence syndrome and development of visual evoked potentials. Pinto F, et al. **Drug Alcohol Depend** 1986 Sep;18(1):1–10

Not the picture of health: women on methadone. Rosenbaum M, et al. **J Psychoactive Drugs** 1987 Apr–Jun;19(2):217–26

Hallucination during sustained-release morphine and methadone administration [letter] Jellema JG. **Lancet** 1987 Aug 15;2(8555):392

Neonatal abstinence syndrome, pharmacotherapy and developmental outcome. Kaltenbach K, et al.
Neurobehav Toxicol Teratol 1986 Jul–Aug;8(4):353–5

Effect of perinatal exposure to methadone on brain opioid and alpha 2-adrenergic receptors. Wang C, et al.
Neurobehav Toxicol Teratol 1986 Jul–Aug;8(4):399–402

[Dangers of intravenous use of peroral methadone solutions] Shilo L, et al. **Harefuah** 1986 Sep;111(5–6):126–7 (Eng. Abstr.) **(Heb)**

ANALOGS & DERIVATIVES

Effects of triprolidine and dipipanone in the cold induced pain test, and the central nervous system of healthy volunteers. Telekes A, et al. **Br J Clin Pharmacol** 1987 Jul;24(1):43–50

Clinical experiences with 959 opioid-dependent patients treated with levo-alpha-acetylmethadol (LAAM). Tennant FS Jr, et al. **J Subst Abuse Treat** 1986;3(3):195–202

BLOOD

Diazepam and methadone blood levels following concurrent administration of diazepam and methadone. Preston KL, et al. **Drug Alcohol Depend** 1986 Oct;18(2):195–202

ISOLATION & PURIFICATION

Methadone extraction from minimal amounts of biological fluids. Chiarotti M, et al. **Forensic Sci Int** 1986 Aug–Sep; 32(1):43–8

PHARMACODYNAMICS

Methadone, pentobarbital, pimozide and ethanol-intake. Mudar PJ, et al. **Alcohol** 1986 Sep–Oct;3(5):303–8

Effects of dl-methadone on the response to physiological transmitters and on several functional parameters of the isolated guinea-pig heart. Mantelli L, et al.
Arch Int Pharmacodyn Ther 1986 Aug;282(2):298–313

Bidirectional cross-tolerance between methadone (mu)- and ethylketocyclazocine (kappa)-tolerant rats. Hong O, et al.
Drug Alcohol Depend 1986 Sep;18(1):87–96

Comparison of intravenously administered methadone, morphine and heroin. Jasinski DR, et al.
Drug Alcohol Depend 1986 Jul;17(4):301–10

Effect of methadone on plasma arginine vasopressin level

and urine production in conscious dogs. Hellebrekers LJ, et al. **Eur J Pharmacol** 1987 Apr 29;136(3):279–86

Methadone vs morphine: comparison of their effect on phagocytic functions. Tubaro E, et al. **Int J Immunopharmacol** 1987;9(1):79–88

Conditioned responses in a methadone population. A comparison of laboratory, clinic, and natural settings. Childress AR, et al. **J Subst Abuse Treat** 1986;3(3):173–9

Biphasic effect of methadone on hepatic drug metabolism. Komthong S, et al. **Proc Soc Exp Biol Med** 1987 Jan; 184(1):40–6

POISONING

Narcotic overdose and acute rhabdomyolysis [letter] Weston MD, et al. **Anaesthesia** 1986 Dec;41(12):1269

THERAPEUTIC USE

Cocaine use in persons on methadone maintenance. Hanbury R, et al. **Adv Alcohol Subst Abuse** 1986 Winter;6(2):97–106

The costly bonus: cocaine related crime among methadone treatment clients. Hunt D, et al. **Adv Alcohol Subst Abuse** 1986 Winter;6(2):107–22

Psychosocial adjustment, modality choice, and outcome in naltrexone versus methadone treatment. Osborn E, et al. **Am J Drug Alcohol Abuse** 1986;12(4):383–8

Fear of methadone maintenance [letter] Newman RG. **Am J Psychiatry** 1987 Mar;144(3):394–5

Methadone treatment in British Columbia: bad medicine? Alexander BK, et al. **Can Med Assoc J** 1987 Jan 1; 136(1):25–8

Methadone treatment in British Columbia: bad medicine? [letter] Graham D. **Can Med Assoc J** 1987 Mar 15; 136(6):564–6

Pharmacokinetics and pharmacodynamics of methadone in patients with chronic pain. Inturrisi CE, et al. **Clin Pharmacol Ther** 1987 Apr;41(4):392–401

Effect of methadone dose contingencies on urinalysis test results of polydrug-abusing methadone-maintenance patients. Stitzer ML, et al. **Drug Alcohol Depend** 1986 Dec; 18(4):341–8

Methadone: pluses and minuses. Irick NE. **Indiana Med** 1987 Feb;80(2):142–3

Survival analysis in drug program evaluation. Part II. Partitioning treatment effects. Anglin MD, et al. **Int J Addict** 1987 Apr;22(4):377–87

Survival analysis in drug program evaluation. Part I. Overall program effectiveness. Fisher DG, et al. **Int J Addict** 1987 Feb;22(2):115–34

Opiate-seeking behavior under conditions of methadone detoxification and removal. Madden C, et al. **Int J Addict** 1986 Aug;21(8):947–53

Mood state of heroin-dependent persons undergoing methadone detoxification. Madden C, et al. **Int J Addict** 1987 Jan;22(1):93–102

Money for methadone: preliminary findings from a study of Alameda County's new maintenance policy. Rosenbaum M, et al. **J Psychoactive Drugs** 1987 Jan–Mar;19(1):13–9

Medical services provided to 2,394 patients at methadone programs in three states. Ball JC, et al. **J Subst Abuse Treat** 1986;3(3):203–9

The treatment of alcoholic methadone patients: a review. Bickel WK, et al. **J Subst Abuse Treat** 1987;4(1):15–9 (34 ref.)

A system for uniform application of contingencies for illicit drug use. Calsyn DA, et al. **J Subst Abuse Treat** 1987; 4(1):41–7

A rationale for the use of methadone in heroin addiction [letter] Drew LR. **Med J Aust** 1987 Jan 19;146(2):118

Methadone treatment. Defining and evaluating success. Newman RG. **N Engl J Med** 1987 Aug 13;317(7):447–50

[New treatment strategies in the drug withdrawal of heroin addicts] Patti F, et al. **Acta Neurol (Napoli)** 1986 Aug; 8(4):447–54 **(Ita)**

[Substance dependence and pregnancy. Experience in care] Bussolino S, et al. **Minerva Ginecol** 1986 Nov; 38(11):895–902 (Eng. Abstr.) **(Ita)**

[Methadone, clonidine and levomepromazine in the treatment of opiate abstinence syndrome: double-blind clinical trial in heroin-addicted patients admitted to a general hospital for organic pathology] Vilalta J, et al. **Med Clin (Barc)** 1987 May 2;88(17):674–6 (Eng. Abstr.) **(Spa)**

[Methadone treatment in the prevention of AIDS. Heroin-dependent prostitutes are an important target] Gunne LM, et al. **Lakartidningen** 1986 Dec 3;83(49):4194–6 **(Swe)**

TOXICITY

A comparative study of the reproductive effects of methadone and benzo[a]pyrene in the pregnant and pseudopregnant rat. Bui QQ, et al. **Toxicology** 1986 Dec 15;42(2–3):195–204

METHADYL ACETATE see under **METHADONE**

METHAGENS see **METHANOGENS**

METHALAMIC ACID see **IOTHALAMIC ACID**

METHALLIBURE see under **THIOUREA**

METHAMINODIAZEPOXIDE see **CHLORDIAZEPOXIDE**

METHAMPHETAMINE

Acute lead poisoning in two users of illicit methamphetamine. Allcott JV 3d, et al. **JAMA** 1987 Jul 24–31;258(4):510–1

[Relation between methamphetamine and amphetamine concentrations in the blood and symptoms in methamphetamine abusers] Miyazaki T. **Nippon Hoigaku Zasshi** 1986 Apr;40(2):132–9 (Eng. Abstr.) **(Jpn)**

[Alcohol intake on methamphetamine abusers] Yamamura T, et al. **Nippon Hoigaku Zasshi** 1987 Feb;41(1):21–30 (Eng. Abstr.) **(Jpn)**

[Intracerebral hemorrhage and characteristic angiographic changes associated with methamphetamine—a case report] Ogasawara K, et al. **No To Shinkei** 1986 Oct;38(10):967–71 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Behavioral hypersensitivity to apomorphine after chronic methamphetamine—intermittent vs. continuous regimen. Kashihara K, et al. **Jpn J Psychiatry Neurol** 1986 Mar; 40(1):81–4

ADVERSE EFFECTS

Visual perception process in amphetamine psychosis and schizophrenia. Kojima T, et al. **Psychopharmacol Bull** 1986; 22(3):768–73

Acute exacerbation of methamphetamine psychosis and lasting dopaminergic supersensitivity—a clinical survey. Sato M. **Psychopharmacol Bull** 1986;22(3):751–6

[Modification of the composition of Gerovit capsules (letter)] Görgényi F. **Orv Hetil** 1987 Mar 1;128(9):495 (Eng. Abstr.) **(Hun)**

ANALOGS & DERIVATIVES

Urinary excretion of p-hydroxylated methamphetamine metabolites in man. I. A method for determination by high-performance liquid chromatography-electrochemistry. Shimosato K, et al. **Arch Toxicol** 1986 Oct;59(3):135–40

18F-labelled N,N-dimethylamphetamine analogues for brain imaging studies. Mathis CA, et al. **Int J Rad Appl Instrum [A]** 1986;37(8):865–72

Influence of urinary pH on the disposition of methoxyphenamine and three metabolites in humans. Roy SD, et al. **J Pharm Sci** 1987 Jun;76(6):427–32

[Pulsotyl drops (letter)] Horváth D. **Orv Hetil** 1986 Nov 16; 127(46):2846 **(Hun)**

ANALYSIS

Gas chromatographic/mass spectrometric determination of carbon isotope composition in unpurified samples: methamphetamine example. Low IA, et al. **Biomed Environ Mass Spectrom** 1986 Oct;13(10):531–4

Histochemical demonstration of methamphetamine by immunocytochemistry. Ishiyama I, et al. **J Forensic Sci** 1987 May;32(3):658–72

IMMUNOLOGY

Induction of methamphetamine-specific antibody using biodegradable carboxymethyl-chitin. Tokura S, et al. **Anal Biochem** 1987 Feb 15;161(1):117–22

[Fluorometric investigation of anti-methamphetamine antibody-hapten reactions] Yoshii T, et al. **Nippon Hoigaku Zasshi** 1986 Dec;40(6):799–804 (Eng. Abstr.) **(Jpn)**

METABOLISM

Effects of quinidine and cimetidine on the methamphetamine level in the rat brain. Suzuki T, et al. **Jpn J Pharmacol** 1987 Jan;43(1):103–6

PHARMACODYNAMICS

Effects of methamphetamine on arterioles of rat caudate nucleus and midbrain. Cannon MS, et al. **Acta Anat (Basel)** 1986;127(3):226–9

Behavioral study on interaction between methamphetamine and ethanol by mean of ambulatory activity in mice. Kuribara H, et al. **Arukoru Kenkyuto Yakubutsu Ison** 1986 Jun;21(2):154–63

Effects of methamphetamine on development of circadian rhythms in rats. Honma K, et al. **Brain Dev** 1986; 8(4):397–401

Behavioral and neurochemical changes in pups prenatally exposed to methamphetamine. Sato M, et al. **Brain Dev** 1986;8(4):390–6

Further confirmation of heterogeneity of the rat striatum: different mosaic patterns of dopamine fibers after administration of methamphetamine or reserpine. Fukui K, et al. **Brain Res** 1986 Sep 10;382(1):81–6

Neurotoxic effects of methamphetamine assessed in three-dimensional reaggregate tissue cultures. Kontur PJ, et al. **Brain Res** 1987 Jan;428(1):7–14

Dopamine agonists produce functional recovery from septal lesions which affect hypothalamic defensive attack in cats. Maeda H, et al. **Brain Res** 1987 Mar 31;407(2):381–5

Ascorbic acid-deficient condition alters central effects of methamphetamine. Matsuda LA, et al. **Brain Res** 1987 Jan 1;400(1):176–80

Tyrosine hydroxylase immunochemistry and quantitative light microscopic studies of the mesolimbic dopamine system in rat brain: effects of chronic methamphetamine administration. Trulson ME, et al. **Brain Res Bull** 1987 Feb; 18(2):269–77

Response of mesolimbic substance P systems to methamphetamine treatment. Hanson GR, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):265–8

Role of the dopaminergic nigrostriatal pathway in methamphetamine-induced depression of the neostriatal serotonergic system. Johnson M, et al. **Eur J Pharmacol** 1987 Mar 17;135(2):231–4

Sulpiride injection into the dorsal striatum increases methamphetamine-induced gnawing in rats. Koshikawa N, et al. **Eur J Pharmacol** 1987 Jan 6;133(1):119–25

Effects of quinidine and cimetidine on methamphetamine stereotypy in rats. Suzuki T, et al. **J Pharmacobiodyn** 1987 Mar;10(3):152–5

Effects of cocaine on methamphetamine-induced neurochemical changes: characterization of cocaine as a monoamine uptake blocker. Hanson GR, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):507–13

Effect of methamphetamine on neurotensin concentrations in rat brain regions. Letter AA, et al. **J Pharmacol Exp Ther** 1987 May;241(2):443–7

Behavioral and neurochemical changes produced by postnatal pretreatments with methamphetamine in rats. Hayashi T, et al. **Jpn J Pharmacol** 1987 Jan;43(1):17–25

Enhancement of ambulation-increasing effect produced by repeated administration of methamphetamine in rats and neurochemical changes in catecholaminergic neurons. Hayashi T, et al. **Jpn J Pharmacol** 1987 Mar;43(3):283–90

Effect of chronic administration of methamphetamine on the responsiveness of substantia nigra zona reticulata neurons to GABA or a GABA agonist in rats. Kamata K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):458–62

Nigrostriatal dopamine actions on the D2 receptors mediate methamphetamine effects on the striatonigral substance P system. Sonsalla PK, et al. **Neuropharmacology** 1986 Nov; 25(11):1221–30

Effects of methamphetamine administration on brain neurotensin-like immunoreactivity in rats. Wachi M, et al. **Neurosci Lett** 1987 Jul 22;78(2):222–6

Acute effects of methamphetamine applied microiontophoretically to nucleus accumbens neurons in rats. Hara M, et al. **Neurosci Res** 1987 Apr;4(4):279–90

Comparison of responses by striatonigral substance P and neurokinin A systems to methamphetamine treatment. Hanson GR, et al. **Peptides** 1986 Nov–Dec;7(6):983–7

Effects of methamphetamine and morphine on the vertical and horizontal motor activities in mice. Itoh T, et al. **Pharmacol Biochem Behav** 1987 May;27(1):193–7

Decrease in d-methamphetamine sensitivity in mice due to ethanol: apparent inhibitory and stimulatory effects of ethanol on d-methamphetamine-induced locomotor activity. Kohda H, et al. **Pharmacol Biochem Behav** 1986 Nov;25(5):1035–9

Disorganization of the rat activity rhythm by chronic treatment with methamphetamine. Honma K, et al. **Physiol Behav** 1986;38(5):687–95

Chronic methamphetamine and its withdrawal modify behavioral and neuroendocrine circadian rhythms. Morimasa T, et al. **Physiol Behav** 1987;39(6):699–705

The circadian control of behavior in the rat affected by the chronic application of methamphetamine. Rietveld WJ, et al. **Prog Clin Biol Res** 1987;227B:513–7

Behavioral differentiation between pharmacokinetic and pharmacodynamic components of the interaction of antidepressants or neuroleptics with methamphetamine. Dall'Olio R, et al. **Psychopharmacology (Berlin)** 1986; 90(1):18–23

Behavioral sensitization to methamphetamine in the rat: an ontogenic study. Fujiwara Y, et al. **Psychopharmacology (Berlin)** 1987;91(3):316–9

[Effects of repeated administration of bromocriptine on ambulatory activity in mice, and changes in methamphetamine sensitivity in bromocriptine-experienced mice] Asami T, et al. **Yakubutsu Seishin Kodo** 1986 Sep; 6(3):309–17 (Eng. Abstr.) **(Jpn)**

POISONING

Synergism between methamphetamine and alcohol in a case of methamphetamine psychosis. Harajiri S, et al. **Kurume Med J** 1986;33(4):163–5

THERAPEUTIC USE

The effects of methylamphetamine on mood and appetite in depressed patients: a placebo-controlled study. Cookson J, et al. **Int Clin Psychopharmacol** 1986 Apr;1(2):127–33

TOXICITY

Psychotic manifestations in amphetamine abuse—experimental study on the mechanism of psychotic recurrence. Ando K, et al. **Psychopharmacol Bull** 1986; 22(3):763–7

Reverse tolerance to the ambulation-increasing effect of methamphetamine in mice as an animal model of amphetamine-psychosis. Tadokoro S, et al.

Psychopharmacol Bull 1986;22(3):757–62

URINE

Improved determination of methamphetamine, ephedrine and methylephedrine in urine by extraction—thermospectrometry. Sakai T, et al. **Analyst** 1987 Feb;112(2):149–52

Urinary excretion of p-hydroxylated methamphetamine metabolites in man. I. A method for determination by high-performance liquid chromatography–electrochemistry. Shimosato K, et al. **Arch Toxicol** 1986 Oct;59(3):135–40

Evaluation of latex agglutination inhibition reaction test for urinary methamphetamine. Miyazaki T, et al. **Hiroshima J Med Sci** 1986 Dec;35(4):289–91

METHANDIENONE see **METHANDROSTENOLONE**

METHANDRIOL see under **ANDROSTENEDIOLS**

METHANDROSTENOLONE

PHARMACODYNAMICS

Tendon injuries induced by exercise and anabolic steroids in experimental mice. Michna H. **Int Orthop** 1987; 11(2):157–62

[Radiomodifying effect of methasdrostenolone on laryngeal cancer cells] Bordiushkov IuN, et al. **Eksp Onkol** 1987; 9(2):57–9 (Eng. Abstr.) **(Rus)**

[Comparative study of the effect of ecdysterone, turkesterone and nerobol on the function of rat liver mitochondria in experimental diabetes] Tashmukhamedova MA, et al. **Vopr Med Khim** 1986 Sep–Oct;32(5):24–8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Insulin action and dynamics modelled in patients taking the anabolic steroid methandienone (Dianabol). Godsland IF, et al. **Clin Sci** 1986 Dec;71(6):665–73

METHANE

Activation of the K-ras protooncogene in lung tumors from rats and mice chronically exposed to tetranitromethane. Stowers SJ, et al. **Cancer Res** 1987 Jun 15;47(12):3212–9

Chemical modification of the brown-fat-mitochondrial uncoupling protein with tetranitromethane and N-ethylmaleimide. A cysteine residue is implicated in the nucleotide regulation of anion permeability. Rial E, et al. **Eur J Biochem** 1986 Dec 15;161(3):689–94

ANALOGS & DERIVATIVES

Formation of enzyme-bound carbanion intermediate in the isocitrate lyase-catalyzed reaction: enzymatic reaction of tetranitromethane with substrates and its dependence on effector, pH, and metal ions. Malhotra OP, et al. **Arch Biochem Biophys** 1986 Oct;250(1):238–48

Hydroperoxide-induced radical production in liver mitochondria. Kennedy CH, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1123–9

Topography of all tyrosine residues in subtilisin DY. Lilova A, et al. **Biol Chem Hoppe Seyler** 1986 Sep;367(9):861–70

Chemical modification of phosphorylase b by tetranitromethane. Identification of a functional tyrosyl residue. Caruso C, et al. **Eur J Biochem** 1987 Aug 3; 166(3):547–52

Interaction of phalloidin with chemically modified actin. Miki M, et al. **Eur J Biochem** 1987 May 15;165(1):125–30

A new carbene based heterobifunctional reagent. Photochemical crosslinking of aldolase. Mogre RM, et al. **FEBS Lett** 1987 Sep 14;221(2):408–14

Alpha-proton abstraction and carbanion formation in the mechanism of action of lysyl oxidase. Williamson PR, et al. **J Biol Chem** 1987 Jun 15;262(17):8196–201

The inactivation of Clostridium perfringens epsilon toxin by treatment with tetranitromethane and N-acetylimidazole. Sakurai J, et al. **Toxicon** 1987;25(3):279–84

ANALYSIS

Rest and exercise cardiac output and diffusing capacity assessed by a single slow exhalation of methane, acetylene, and carbon monoxide. Ramage JE Jr, et al. **Chest** 1987 Jul;92(1):44–50

Gas chromatographic technique to simultaneously quantitate the gases produced by intestinal microorganisms from fermentation mixtures. Ross LF. **J Chromatogr** 1987 Mar 6;414(2):405–10

[Decomposition of the health-related components of sewage sludge and liquid manure using methane fermentation] Poch M. **Z Gesamte Hyg** 1987 Jan;33(1):30–1 (Eng. Abstr.) **(Ger)**

[Effect of methane fermentation on the survival rate of disease pathogens] Poch M. **Z Gesamte Hyg** 1987 Jan; 33(1):32–3 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Ecophysiological adaptations of anaerobic bacteria to low pH: analysis of anaerobic digestion in acidic bog sediments. Goodwin S, et al. **Appl Environ Microbiol** 1987 Jan; 53(1):57–64

In vitro methane and methyl coenzyme M formation from acetate: evidence that acetyl-CoA is the required intermediate activated form of acetate. Grahame DA, et al. **Biochem Biophys Res Commun** 1987 Aug 31; 147(1):254–8

Inhibition of methanogenesis in pure cultures by ammonia, fatty acids, and heavy metals, and protection against heavy metal toxicity by sewage sludge. Jarrell KF, et al. **Can J Microbiol** 1987 Jun;33(6):551–4

Factors affecting methane production in humans. Gastrointestinal diseases and alterations of colonic flora. Peled Y, et al. **Dig Dis Sci** 1987 Mar;32(3):267–71

On the role of N-7-mercaptoheptanoyl-O-phospho-L-threonine (component B) in the enzymatic reduction of methyl-coenzyme M to methane. Ellermann J, et al. **FEBS Lett** 1987 Aug 17;220(2):358–62

Performance, methanogenesis and nitrogen metabolism of finishing steers fed monensin and nickel. Oscar TP, et al. **J Anim Sci** 1987 Mar;64(3):887–96

Methanogenesis and ATP synthesis in a protoplast system of Methanobacterium thermoautotrophicum. Mountfort DO, et al. **J Bacteriol** 1986 Nov;168(2):892–900

Source of carbon and hydrogen in methane produced from formate by Methanococcus thermolithotrophicus. Sparling R, et al. **J Bacteriol** 1986 Dec;168(3):1402–7

Methanogens and the diversity of archaebacteria. Jones WJ, et al. **Microbiol Rev** 1987 Mar;51(1):135–77 (560 ref.)

Methanogenic bacteria and methane production in various habitats. Archer DB, et al. **Soc Appl Bacteriol Symp Ser** 1986;13:185–223 (263 ref.)

METABOLISM

Bacterial oxidation of methane and methanol. Anthony C. **Adv Microb Physiol** 1986;27:113–210 (255 ref.)

Methane excretion in the growing pig. Christensen K, et al. **Br J Nutr** 1987 May;57(3):355–61

7-Mercaptoheptanoylthreonine phosphate functions as component B in ATP-independent methane formation from methyl-CoM with reduced cobalamin as electron donor. Ankel-Fuchs D, et al. **FEBS Lett** 1987 Mar 9; 213(1):123–7

Incorporation of coenzyme M into component C of methylcoenzyme M methylreductase during in vitro methanogenesis. Hartzell PL, et al. **J Biol Chem** 1987 Apr 25;262(12):5581–6

METHANE-OXIDIZING BACTERIA see **METHYLOMONADACEAE**

METHANESULFONATES

A new catalyst for reductive cleavage of methylated glycans. Jun JG, et al. **Carbohydr Res** 1987 Jun 15;163(2):247–61

ADMINISTRATION & DOSAGE

Induction of thymic lymphomas and squamous cell carcinomas following topic application of isopropyl methanesulfonate to female Hsd:(ICR)BR mice. Segal A, et al. **Cancer Res** 1987 Jul 1;47(13):3402–5

DIAGNOSTIC USE

Animal carotenoids. 31. Structure elucidation of a sponge metabolite via mesylate elimination. Sliwka HK, et al. **Acta Chem Scand [B]** 1987 Apr;41(4):245–52

METABOLISM

Formation of DNA interstrand cross-links by the novel chloroethylating agent 2-chloroethyl(methylsulfonyl)methanesulfonate: suppression by O6-alkylguanine-DNA alkyltransferase purified from human leukemic lymphoblasts. Brent TP, et al. **Cancer Res** 1987 Jul 1;47(13):3384–7

PHARMACODYNAMICS

The effects of ethylene dimethane sulphonate (EDS) on rat Leydig cells: evidence to support a connective tissue origin of Leydig cells. Jackson AE, et al. **Biol Reprod** 1986 Sep; 35(2):425–37

Marrow repopulation in mice treated with busulphan or isopropyl methane sulphonate and bone marrow. Massa G, et al. **Br J Haematol** 1987 May;66(1):11–4

DNA damage in cultured L1210 cells by 2-haloethyl esters of (methylsulfonyl)methanesulfonic acid. Alexander JA, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6024–8

Intratesticular factors and testosterone secretion: the effect of treatment with ethane dimethanesulphonate (EDS) and the induction of seminiferous tubule damage. Sharpe RM, et al. **Int J Androl** 1986 Aug;9(4):285–98

Ethan-1,2-dimethanesulphonate reduces testicular oxytocin content and seminiferous tubule movements in the rat. Nicholson HD, et al. **J Endocrinol** 1987 Feb;112(2):311–6

Influence of the cryptorchid testis on the regeneration of rat Leydig cells after administration of ethane dimethane sulphonate. Risbridger GP, et al. **J Endocrinol** 1987 Feb; 112(2):197–204

Hypolipidemic effect of polymethylenemethane thiosulfonates: inhibitors of acetoacetyl coenzyme A thiolase. Salam WH, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):1099–105

Evaluation of testicular hCG binding in unilaterally cryptorchid rats following administration of ethane dimethane sulphonate (EDS). O'Leary PC, et al. **Mol Cell Endocrinol** 1986 Nov;48(1):51–8

Identification of specific DNA lesions induced by three classes of chloroethylating agents: chloroethylnitrosoureas, chloroethylmethanesulfonates and chloroethylimidazotetrazines. Gibson NW, et al. **Pharmacol Ther** 1985;31(1-2):153–63 (48 ref.)

TOXICITY

Origin of regenerating Leydig cells in the testis of the adult rat. An ultrastructural, morphometric and hormonal assay study. Kerr JB, et al. **Cell Tissue Res** 1987 Aug; 249(2):367–77

DNA cross-linking by chloroethylating agents. Kohn KW, et al. **IARC Sci Publ** 1986;(70):155–62

Isopropyl methanesulfonate is a potent red cell hematotoxicant. Snyder CA, et al. **Toxicol Lett** 1987 Mar; 36(1):61–6

METHANOBACTERIA see **METHANOGENS**

METHANOGENS

ANALYSIS

Structure of a methanofuran derivative found in cell extracts of Methanosarcina barkeri. Bobik TA, et al. **Arch Biochem Biophys** 1987 May 1;254(2):430–6

The corrinoid from Methanobacterium thermoautotrophicum (Marburg strain). Spectroscopic structure analysis and identification as Co beta-cyano-5'-hydroxybenzimidazolyl-cobamide (factor III). Kräutler B, et al. **Eur J Biochem** 1987 Jan 15; 162(2):275–8

Extraction and composition of polar lipids from the archaebacterium, Methanobacterium thermoautotrophicum: effective extraction of tetraether lipids by an acidified solvent. Nishihara M, et al. **J Biochem (Tokyo)** 1987 Apr;101(4):997–1005

Structure determination of a quartet of novel tetraether lipids from Methanobacterium thermoautotrophicum. Nishihara M, et al. **J Biochem (Tokyo)** 1987 Apr;101(4):1007–15

Structural characterization of the lipids of Methanococcus voltae, including a novel N-acetylglucosamine 1-phosphate diether. Ferrante G, et al. **J Biol Chem** 1986 Dec 25;261(36):17062–6

DRUG EFFECTS

Inhibition of methanogenesis in pure cultures by ammonia, fatty acids, and heavy metals, and protection against heavy metal toxicity by sewage sludge. Jarrell KF, et al. **Can J Microbiol** 1987 Jun;33(6):551–4

5-Fluorouracil-resistant strain of Methanobacterium thermoautotrophicum. Nagle DP Jr, et al. **J Bacteriol** 1987 Sep;169(9):4119–23

ENZYMOLOGY

On the structure and linkage of the covalent cofactor of methylamine dehydrogenase from the methylotrophic bacterium W3A1. McIntire WS, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):562–8

The role of 7-mercaptoheptanoylthreonine phosphate in the methylcoenzyme M methylreductase system from Methanobacterium thermoautotrophicum. Noll KM, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):204–10

Component C of the methylcoenzyme M methylreductase system contains bound 7-mercaptoheptanoylthreonine phosphate (HS-HTP). Noll KM, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):889–95

Mechanistic studies of the coenzyme F420 reducing formate dehydrogenase from Methanobacterium formicicum. Schauer NL, et al. **Biochemistry** 1986 Nov 4;25(22):7163–8

Purification and characterization of D-glyceraldehyde-3-phosphate dehydrogenase from the thermophilic archaebacterium Methanothermus fervidus. Fabry S, et al. **Eur J Biochem** 1987 May 15;165(1):147–55

Purification and characterization of a serine hydroxymethyltransferase from an obligate methylotroph, Hyphomicrobium methylovorum GM2. Miyazaki SS, et al. **Eur J Biochem** 1987 Feb 2;162(3):533–40

Purification, crystallisation and preliminary X-ray diffraction characterisation of methanol dehydrogenase from Methylosinus trichosporium OB3b. Parker MW, et al. **Eur J Biochem** 1987 Apr 1;164(1):223–7

Mode of inhibition of the DNA polymerase of Methanococcus vannielii by aphidicolin. Zabel HP, et al. **Eur J Biochem** 1987 May 15;165(1):171–5

Locations of the hydrogenases of Methanobacterium formicicum after subcellular fractionation of cell extract. Baron SF, et al. **J Bacteriol** 1987 Aug;169(8):3823–5

Purification and properties of carbon monoxide dehydrogenase from Methanococcus vannielii. DeMoll E, et al. **J Bacteriol** 1987 Sep;169(9):3916–20

Identification of a vanadate-sensitive, membrane-bound ATPase in the archaebacterium Methanococcus voltae. Dharmavaram RM, et al. **J Bacteriol** 1987 Sep; 169(9):3921–5

Purification and properties of the

5,10-methenyltetrahydromethanopterin cyclohydrolase from Methanobacterium thermoautotrophicum. DiMarco AA, et al. **J Bacteriol** 1986 Dec;168(3):1372-7

Immunoelectron microscopic demonstration of ATPase on the cytoplasmic membrane of the methanogenic bacterium strain Göl. Mayer F, et al. **J Bacteriol** 1987 May; 169(5):2307-9

2',3'-Dialdehyde of ATP: a specific, irreversible inhibitor of component A3 of the methylreductase system of Methanobacterium thermoautotrophicum. Rouvière PE, et al. **J Bacteriol** 1987 Apr;169(4):1737-9

Isolation of an enzyme complex with carbon monoxide dehydrogenase activity containing corrinoid and nickel from acetate-grown Methanosarcina thermophila. Terlesky KC, et al. **J Bacteriol** 1986 Dec;168(3):1053-8

Electron microscopy of nickel-containing methanogenic enzymes: methyl reductase and F420-reducing hydrogenase. Wackett LP, et al. **J Bacteriol** 1987 Feb; 169(2):718-27

Inhibition by corrins of the ATP-dependent activation and CO2 reduction by the methylreductase system in Methanobacterium bryantii. Whitman WB, et al. **J Bacteriol** 1987 Jan;169(1):87-92

The role of formylmethanofuran: tetrahydromethanopterin formyltransferase in methanogenesis from carbon dioxide. Donnelly MI, et al. **J Biol Chem** 1986 Dec 15; 261(35):16653-9

Carbon monoxide dehydrogenase from Methanosarcina barkeri. Disaggregation, purification, and physicochemical properties of the enzyme. Grahame DA, et al. **J Biol Chem** 1987 Mar 15;262(8):3706-12

Incorporation of coenzyme M into component C of methylcoenzyme M methylreductase during in vitro methanogenesis. Hartzell PL, et al. **J Biol Chem** 1987 Apr 25;262(12):5581-6

Synthesis of 7-mercaptoheptanoylthreonine phosphate and its activity in the methylcoenzyme M methylreductase system. Noll KM, et al. **J Biol Chem** 1987 Jan 15; 262(2):513-5

Cloning, expression, and nucleotide sequence of the formate dehydrogenase genes from Methanobacterium formicicum. Shuber AP, et al. **J Biol Chem** 1986 Oct 5;261(28):12942-7

GENETICS

Genetic transformation in the methanogen Methanococcus voltae PS. Bertani G, et al. **J Bacteriol** 1987 Jun; 169(6):2730-8

Characterization of bromoethanesulfonate-resistant mutants of Methanococcus voltae: evidence of a coenzyme M transport system. Santoro N, et al. **J Bacteriol** 1987 Feb; 169(2):660-5

Nucleotide sequence of the methyl coenzyme M reductase gene cluster from Methanosarcina barkeri. Bokranz M, et al. **Nucleic Acids Res** 1987 May 26;15(10):4350-1

GROWTH & DEVELOPMENT

A diphytanyl ether analog of phosphatidylserine from a methanogenic bacterium, Methanobrevibacter arboriphilus. Morii H, et al. **J Lipid Res** 1986 Jul;27(7):724-30

IMMUNOLOGY

Immunologic distinctiveness of archaebacteria that grow in high salt. de Macario EC, et al. **J Bacteriol** 1986 Oct; 168(1):425-7

Antigenic distinctiveness, heterogeneity, and relationships of Methanothrix spp. Macario AJ, et al. **J Bacteriol** 1987 Sep; 169(9):4099-103

Antigenic mosaic of Methanogenium spp.: analysis with poly- and monoclonal antibody probes. Macario AJ, et al. **J Bacteriol** 1987 Feb;169(2):666-9

METABOLISM

Bacterial oxidation of methane and methanol. Anthony C. **Adv Microb Physiol** 1986;27:113-210 (255 ref.)

Relationship of formate to growth and methanogenesis by Methanococcus thermolithotrophicus. Belay N, et al. **Appl Environ Microbiol** 1986 Nov;52(5):1080-5

Conversion of indole to oxindole under methanogenic conditions. Berry DF, et al. **Appl Environ Microbiol** 1987 Jan;53(1):180-2

Transformation of toluene and benzene by mixed methanogenic cultures. Grbić-Galić D, et al. **Appl Environ Microbiol** 1987 Feb;53(2):254-60

Conversion of purines to xanthine by Methanococcus vannielii. DeMoll E, et al. **Arch Biochem Biophys** 1986 Nov 1;250(2):440-5

In vitro methane and methyl coenzyme M formation from acetate: evidence that acetyl-CoA is the required intermediate activated form of acetate. Grahame DA, et al. **Biochem Biophys Res Commun** 1987 Aug 31; 147(1):254-8

15N-NMR studies of Methanobacterium thermoautotrophicum: comparison of assimilation of different nitrogen sources. Choi BS, et al. **Biochim Biophys Acta** 1987 May 18;928(3):259-65

Coupling of carbon monoxide oxidation to CO2 and H2 with the phosphorylation of ADP in acetate-grown Methanosarcina barkeri. Bott M, et al. **Eur J Biochem** 1986 Sep 1;159(2):393-8

Autotrophic synthesis of activated acetic acid from CO2 in Methanobacterium thermoautotrophicum. Synthesis from tetrahydromethanopterin-bound C1 units and carbon monoxide. Länge S, et al. **Eur J Biochem** 1987 Feb 16; 163(1):147-54

Generation of a transmembrane gradient of Na+ in Methanosarcina barkeri. Müller V, et al. **Eur J Biochem** 1987 Jan 15;162(2):461-6

On the role of N-7-mercaptoheptanoyl-O-phospho-L-threonine (component B) in the enzymatic reduction of methyl-coenzyme M to methane. Ellermann J, et al. **FEBS Lett** 1987 Aug 17;220(2):358-62

Methanogenesis and ATP synthesis in a protoplast system of Methanobacterium thermoautotrophicum. Mountfort DO, et al. **J Bacteriol** 1986 Nov;168(2):892-900

Source of carbon and hydrogen in methane produced from formate by Methanococcus thermolithotrophicus. Sparling R, et al. **J Bacteriol** 1986 Dec;168(3):1402-7

Substitution of Co alpha-(5-hydroxybenzimidazolyl)cobamide (factor III) by vitamin B12 in Methanobacterium thermoautotrophicum. Stupperich E, et al. **J Bacteriol** 1987 Jul;169(7):3076-81

13C NMR spectroscopy of Methanobacterium thermoautotrophicum. Carbon fluxes and primary metabolic pathways. Evans JN, et al. **J Biol Chem** 1986 Dec 15;261(35):16323-31

Methanogens and the diversity of archaebacteria. Jones WJ, et al. **Microbiol Rev** 1987 Mar;51(1):135-77 (560 ref.)

Methanogenic bacteria and methane production in various habitats. Archer DB, et al. **Soc Appl Bacteriol Symp Ser** 1986;13:185-223 (263 ref.)

PHYSIOLOGY

Purification and use of Methanobacterium wolfei pseudomurein endopeptidase for lysis of Methanobacterium thermoautotrophicum. Kiener A, et al. **J Bacteriol** 1987 Mar;169(3):1010-6

ULTRASTRUCTURE

Ultrastructure and biochemistry of the cell wall of Methanococcus voltae. Koval SF, et al. **J Bacteriol** 1987 Mar;169(3):1298-306

METHANOL see **ALCOHOL, METHYL**

METHANOMONADACEAE see **METHYLOMONADACEAE**

METHAPYRILENE see under **AMINOPYRIDINES**

METHAQUALONE

ADVERSE EFFECTS

Fixed drug eruption due to methaqualone. Heng MC. **Australas J Dermatol** 1986 Aug;27(2):83-5

ANALOGS & DERIVATIVES

[In vitro and in vivo photochemical reactivity of methaqualone-1-oxide] Pöhlmann H, et al. **Pharmazie** 1986 Dec;41(12):856-8 (Eng. Abstr.) **(Ger)**

ANALYSIS

Metabolite sensitivity in the methaqualone radioimmunoassay. Keppler BR, et al. **J Forensic Sci** 1977 Jan;22(1):202-5

POISONING

[Acute methaqualone poisoning] Kurgan-Simlat H, et al. **Wiad Lek** 1986 Nov 1;39(21):1466-70 (Eng. Abstr.) **(Pol)**

METHARBITAL see under **BARBITURATES**

METHAZOLAMIDE see under **THIADIAZOLES**

METHBIPYRANONE see **METYRAPONE**

METHEMALBUMIN see under **HEMEPROTEINS**

METHEMOGLOBIN

Assessment of the alpha 1 beta 2 contact structure of valency hybrid hemoglobins by ultraviolet difference spectra. Mawatari K, et al. **Biochim Biophys Acta** 1987 Jul 7; 913(3):313-20

Singlet oxygen production by bleomycin. A comparison with heme-containing compounds. Kanofsky JR. **J Biol Chem** 1986 Oct 15;261(29):13546-50

N-hydroxy-N-arylacetamides. II: Molecular aspects of ferrihaemoglobin formation by N-hydroxy-N-arylacetamides and arylhydroxylamines in the rat. Lenk W, et al. **Xenobiotica** 1986 Aug;16(8):703-16

ANALOGS & DERIVATIVES

Oxygen equilibrium studies of cross-linked asymmetrical cyanomet valency hybrid hemoglobins: models for partially oxygenated species. Miura S, et al. **Biochemistry** 1987 Apr 21;26(8):2149-55

Interaction of fully liganded valency hybrid hemoglobin with inositol hexaphosphate. Implication of the IHP-induced T state of human adult methemoglobin in the low-spin state. Morishima I, et al. **Biochemistry** 1986 Nov 4;25(22):7243-50

Recommendations for reference method for haemoglobinometry in human blood (ICSH standard 1986) and specifications for international haemiglobincyanide reference preparation (3rd edition). International Committee for Standardization in Haematology; Expert Panel on Haemoglobinometry. **Clin Lab Haematol** 1987; 9(1):73-9

Filter paper cyanmethaemoglobin estimation. Talib VH, et al. **Indian J Pathol Microbiol** 1986 Oct;29(4):400-5

Haem-rotational disorder in monomeric allosteric cyano-Met insect haemoglobins monitored by resonance Raman spectroscopy. Gersonde K, et al. **J Mol Biol** 1987 Apr 5;194(3):545-56

ANALYSIS

Long-term storage of blood samples at freezing temperatures in the presence of a cryoprotectant for hemiglobin assay. Sato K, et al. **Biochem Med Metab Biol** 1987 Apr; 37(2):190-6

Fast kinetic method for methemoglobin developed and adapted for quantification of hemoglobin in whole blood. Cummings RH, et al. **Clin Chem** 1987 Apr;33(4):493-7

Determination of Hüfner's factor and inactive hemoglobins in human, canine, and murine blood. Shimizu S, et al. **Jpn J Physiol** 1986;36(5):1047-51

[Determination of the time of blood stain formation based on the methemoglobin absorption spectrum] Turebaev ON. **Sud Med Ekspert** 1986 Oct-Dec;29(4):44-5 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Relationship between methaemoglobin production and methylene blue plasma concentrations under general anaesthesia [published erratum appears in Anaesth Intensive Care 1987 Feb;15(1):122] Lamont AS, et al. **Anaesth Intensive Care** 1986 Nov;14(4):360-4

Species differences in methaemoglobin production after addition of 4-dimethylaminophenol, a cyanide antidote, to blood in vitro: a comparative study. Marrs TC, et al. **Comp Biochem Physiol [B]** 1987;86(1):141-8

Kinetics of methaemoglobin production. (2). Kinetics of the cyanide antidote p-aminopropiophenone during oral administration. Bright JE, et al. **Hum Toxicol** 1986 Sep; 5(5):303-7

Kinetics of methaemoglobin production. (1). Kinetics of methaemoglobinaemia induced by the cyanide antidotes, p-aminopropiophenone, p-hydroxyaminopropiophenone or p-dimethylaminophenol after intravenous administration. Marrs TC, et al. **Hum Toxicol** 1986 Sep; 5(5):295-301

CEREBROSPINAL FLUID

Quantitative measurement of blood pigments in cerebrospinal fluid by derivative spectrophotometry. Stroes JW, et al. **Ann Clin Biochem** 1987 Mar;24 (Pt 2):189-97

Haem derivatives in the cerebrospinal fluid after intracranial haemorrhage. Wahlgren NG, et al. **Eur Neurol** 1987; 26(4):216-21

METABOLISM

Antioxidant properties of 2-imidazolones and 2-imidazolthiones. Smith RC, et al. **Biochem Pharmacol** 1987 May 1;36(9):1457-60

Subunit iron spin heterogeneity in human aquomethemoglobin A. Okonjo KO, et al. **Biochim Biophys Acta** 1986 Sep 26;873(2):304-7

Ionic strength dependence of the electric dissociation field effect. Investigation of 2,6-dinitrophenol and application to the acid-alkaline transition of metmyoglobin and methemoglobin. Bräunig R, et al. **Biophys Chem** 1987 May 9;26(2-3):181-91

Studies on the influence of nitrite on methemoglobin formation in Amazonian fishes. Bartlett GR, et al. **Comp Biochem Physiol [C]** 1987;86(2):449-56

Antioxidant enzyme activities and malondialdehyde, glutathione and methemoglobin concentrations in channel catfish exposed to DEF and n-butyl mercaptan. Mather-Mihaich E, et al. **Comp Biochem Physiol [C]** 1986; 85(2):427-32

On the question of lowering the content of ferrihaemoglobin in infusable haemoglobin solutions. Fořtová H, et al. **Folia Haematol (Leipz)** 1986;113(4):532-8

Effect on blood and plasma cyanide levels and on methaemoglobin levels of cyanide administered with and without previous protection using PAPP. Marrs TC, et al. **Hum Toxicol** 1987 Mar;6(2):139-45

Electrochemical reduction of methemoglobin either directly or with flavin mononucleotide as a mediator. Durliat H, et al. **J Biol Chem** 1987 Aug 25;262(24):11497-500

Some effects of adrenaline on anion transport and nitrite-induced methaemoglobin formation in the rainbow trout (Salmo gairdneri Richardson). Williams EM, et al. **J Exp Zool** 1987 Feb;241(2):269-73

EPR characterization of alcohol complexes of ferric myoglobin and hemoglobin. Brill AS, et al. **J Inorg Biochem** 1986 Oct-Nov;28(2-3):137-43

Antidotal use of methemoglobin forming cyanide antagonists

in concurrent carbon monoxide/cyanide intoxication. Moore SJ, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):70–3

Methemoglobinogenic potential of primaquine and its mutagenicity in the Ames test. Marrs TC, et al. **Toxicol Lett** 1987 May;36(3):281–7

[Effect of temperature and binding with copper ions on the motility of spin-labeled oxy- and methemoglobin subunits] Kialviarialnen AI, et al. **Biofizika** 1987 May–Jun; 32(3):407–12 (Eng. Abstr.) **(Rus)**

METHEMOGLOBIN REDUCTASE see under **NADH, NADPH OXIDOREDUCTASES**

METHEMOGLOBINEMIA

Studies on glutathione reductase and methemoglobin from human erythrocytes parasitized with Plasmodium falciparum. Hempelmann E, et al. **Mol Biochem Parasitol** 1987 Feb;23(1):19–24

BLOOD

[Discovery of hemoglobin J Baltimore in an episode of methemoglobinemia in an infant] Mailfert R, et al. **Nouv Rev Fr Hematol** 1986;28(5):315–20 (Eng. Abstr.) **(Fre)**

[Methemoglobinemia in pancreatitis—a case report] Dauberschmidt R, et al. **Anaesthesiol Reanim** 1987; 12(3):183–6 (Eng. Abstr.) **(Ger)**

[Cell differentiation, maturation and enzyme abnormality—studies on NADH-cytochrome b5 reductase] Takeshita M, et al. **Rinsho Ketsueki** 1986 Jul;27(7):1138–44 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Methemoglobin levels following intravenous lidocaine administration. Weiss LD, et al. **Ann Emerg Med** 1987 Mar; 16(3):323–5

Intraoperative cyanosis: a case of dapsone-induced methaemoglobinaemia. Mayo W, et al. **Can J Anaesth** 1987 Jan;34(1):79–82

A resuscitation puzzle: acute acquired methemoglobinemia. Tada K, et al. **Crit Care Med** 1987 Jun;15(6):614–5

Kinetics of methaemoglobin production. (1). Kinetics of methaemoglobinaemia induced by the cyanide antidotes, p-aminopropiophenone, p-hydroxyaminopropiophenone or p-dimethylaminophenol after intravenous administration. Marrs TC, et al. **Hum Toxicol** 1986 Sep; 5(5):295–301

Acquired methaemoglobinaemia following nitrobenzene poisoning [letter] Ajmani A, et al. **J Assoc Physicians India** 1986 Dec;34(12):891–2

Fatal outcome of methemoglobinemia in an infant. Johnson CJ, et al. **JAMA** 1987 May 22–29;257(20):2796–7

Drug- and chemical-induced methaemoglobinaemia. Clinical features and management. Hall AH, et al. **Med Toxicol** 1986 Jul–Aug;1(4):253–60 (66 ref.)

Evaluation of the nitrate drinking water standard with reference to infant methemoglobinemia and potential reproductive toxicity. Fan AM, et al. **Regul Toxicol Pharmacol** 1987 Jun;7(2):135–48 (68 ref.)

Sex differences in the production of methaemoglobinaemia by 4-aminopropiophenone. Bright JE, et al. **Xenobiotica** 1987 Jan;17(1):79–83

[Toxic methemoglobinemia caused by a gingival lotion containing benzocaine and resorcin] Buquet S, et al. **Ann Pediatr (Paris)** 1987 Apr;34(4):339 **(Fre)**

[Methemoglobinemia from ingestion of benzocaine. A case of pediatric intoxication] Bachmann P, et al. **J Toxicol Clin Exp** 1986 Mar–Apr;6(2):123–8 (Eng. Abstr.) **(Fre)**

[Toxic methemoglobinemia caused by ingestion of benzocaine (letter)] Angenard F, et al. **Presse Med** 1986 Oct 25;15(37):1879 **(Fre)**

[Acute poisoning caused by methemoglobinemia-inducing substances. 6 cases] Cattaneo A, et al. **Minerva Med** 1987 Aug 15;78(15):1167–76 (Eng. Abstr.) **(Ita)**

[Saltpeter poisoning] Maciejewski D. **Wiad Lek** 1986 Aug 15;39(16):1137–9 (Eng. Abstr.) **(Pol)**

[Methemoglobinemia in rural children with a susceptibility to obstructive bronchitis] Mazur H, et al. **Wiad Lek** 1987 Feb 1;40(3):153–7 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Transient methemoglobinemia with acidosis and hyperchloremia in infants. Lanir A, et al. **Am J Pediatr Hematol Oncol** 1986 Winter;8(4):353–5

CONGENITAL

Prenatal diagnosis of congenital methemoglobinemia with mental retardation. Kaftory A, et al. **Isr J Med Sci** 1986 Nov;22(11):837–40

DIAGNOSIS

Methemoglobin, MEDLINE, and hyperlipemia. Murray KM, et al. **Crit Care Med** 1987 Aug;15(8):797–8

ETIOLOGY

Methemoglobinemia from intravenous nitroglycerin: a word of caution. Bojar RM, et al. **Ann Thorac Surg** 1987 Mar; 43(3):332–4

[Methemoglobinemia in the newborn and nursing infant. Genetic and acquired forms. Personal case list] Centa A, et al. **Pathologica** 1985 Nov–Dec;77(1052):659–65 (Eng. Abstr.) **(Ita)**

[Studies of methemoglobin production in the blood of dead burn victims] Okada M, et al. **Nippon Hoigaku Zasshi** 1986 Apr;40(2):124–8 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Enzymopenic hereditary methemoglobinemia: a clinical/biochemical classification. Jaffé ER. **Blood Cells** 1986;12(1):81–90 (33 ref.)

[Exacerbation of hereditary methemoglobinemia in twin infants] Mel'nik AI, et al. **Pediatriia** 1986 Dec;(12):58–60 **(Rus)**

HISTORY

Landmark article Sept 8, 1945: Cyanosis in infants caused by nitrates in well-water. By Hunter H. Comly. **JAMA** 1987 May 22–29;257(20):2788–92

Landmark perspective: The legacy of well-water methemoglobinemia. Lukens JN. **JAMA** 1987 May 22–29; 257(20):2793–5

METHENAMINE

ANALOGS & DERIVATIVES

Urinary tract infection after vaginal surgery. Effect of prophylactic treatment with methenamine hippurate. Tyreman NO, et al. **Acta Obstet Gynecol Scand** 1986; 65(7):731–3

Prevention of recurrent acute cystitis by methenamine hippurate: double blind controlled crossover long term study. Cronberg S, et al. **Br Med J [Clin Res]** 1987 Jun 13;294(6586):1507–8

[Frequent cystitis in elderly women. A double-blind comparison of Hiprex and placebo in general practice] Gundersen R, et al. **Tidsskr Nor Laegeforen** 1986 Sep 10; 106(25):2048–9 (Eng. Abstr.) **(Nor)**

PHARMACODYNAMICS

Comparison of in vivo antibacterial activity of hydro-alcoholic solutions of hexamidine and of chlorhexidine. Michel G, et al. **J Int Med Res** 1986; 14(4):205–9

Subcutaneous reactions to implantation of tubes with AH26 and Grossman's sealer. Tagger M, et al. **Oral Surg Oral Med Oral Pathol** 1986 Oct;62(4):434–40

THERAPEUTIC USE

Prophylactic and antidotal effects of hexamethylenetetramine against phosgene poisoning in rabbits. Frosolono MF. **Toxicol Ind Health** 1985 Oct;1(2):101–16

METHERGOLINE see under **ERGOLINES**

METHICILLIN

Staying one jump ahead of resistant Staphylococcus aureus [editorial] Sanderson PJ. **Br Med J [Clin Res]** 1986 Sep 6;293(6547):573–4

New method for typing Staphylococcus aureus resistant to methicillin based on sulphur-35 methionine labelled proteins: its application in an outbreak. Stephenson JR, et al. **Br Med J [Clin Res]** 1986 Sep 6;293(6547):581–3

Evolution of an inducible penicillin-target protein in methicillin-resistant Staphylococcus aureus by gene fusion. Song MD, et al. **FEBS Lett** 1987 Aug 31;221(1):167–71

"Staphaurex" negative, methicillin resistant Staphylococcus aureus [letter] Coles MA, et al. **J Clin Pathol** 1986 Dec; 39(12):1365

ADVERSE EFFECTS

Nephrogenic diabetes insipidus and distal tubular acidosis in methicillin-induced interstitial nephritis. Vigeral P, et al. **Adv Exp Med Biol** 1987;212:129–34

METABOLISM

Detection of an integrated tetracycline resistance plasmid in the chromosome of methicillin-resistant Staphylococcus aureus. Gillespie MT, et al. **J Gen Microbiol** 1986 Jun;132 (Pt 6):1723–8

PHARMACODYNAMICS

Efficacy of ciprofloxacin for experimental endocarditis caused by methicillin-susceptible or -resistant strains of Staphylococcus aureus. Carpenter TC, et al. **Antimicrob Agents Chemother** 1986 Sep;30(3):382–4

Methicillin resistant Staphylococcus aureus [letter] Cooke EM, et al. **Br Med J** 1987 Feb 7;294(6568):371

New method for typing Staphylococcus aureus resistant to methicillin [letter] Duckworth G. **Br Med J [Clin Res]** 1986 Oct 4;293(6551):885

Typing of Staphylococcus aureus resistant to methicillin [letter] French GL, et al. **Br Med J [Clin Res]** 1986 Nov 29;293(6559):1438–9

Studies on lincosamide antibiotic resistance in methicillin-susceptible and -resistant staphylococci. Stefani S, et al. **Chemioterapia** 1986 Oct;5(5):297–301

Synergy of sulbactam and ampicillin against methicillin-resistant staphylococci. Chin NX, et al. **Drugs Exp Clin Res** 1986;12(12):939–42

Characterization of an isogenic set of methicillin-resistant and susceptible mutants of Staphylococcus aureus. Berger-Bächi B, et al. **Eur J Clin Microbiol** 1986 Dec; 5(6):697–701

Methicillin susceptibility testing of Staphylococcus aureus on media containing five percent sodium chloride. Brown DF, et al. **Eur J Clin Microbiol** 1986 Dec;5(6):726–8

Genetic analysis of methicillin-resistant Staphylococcus aureus from Singapore hospitals. Grubb WB, et al. **Eur J Clin Microbiol** 1986 Dec;5(6):728–30

Laboratory and epidemiologic experience with methicillin-resistant Staphylococcus aureus in the USA. Jorgensen JH. **Eur J Clin Microbiol** 1986 Dec;5(6):693–6 (35 ref.)

Conversion of a homogeneously methicillin-resistant strain of Staphylococcus aureus to heterogeneous resistance by Tn551-mediated insertional inactivation. Kornblum J, et al. **Eur J Clin Microbiol** 1986 Dec;5(6):714–8

Molecular typing of methicillin and gentamicin resistant Staphylococcus aureus in Dublin. Mulvey M, et al. **Eur J Clin Microbiol** 1986 Dec;5(6):719–25

Antibody used to identify penicillin-binding protein 2' in methicillin-resistant strains of Staphylococcus aureus (MRSA). O'Hara DM, et al. **FEBS Lett** 1987 Feb 23; 212(2):237–41

Methicillin-resistant Staphylococcus aureus in Veterans Administration Medical Centers. Preheim LC, et al. **Infect Control** 1987 May;8(5):191–4

Variation in methicillin-resistant Staphylococcus aureus occurrence by geographic location and hospital characteristics. Wakefield DS, et al. **Infect Control** 1987 Apr;8(4):151–7

Cell-bound and extracellular autolytic activity of a tolerant and a nontolerant Staphylococcus aureus strain exposed to methicillin. Goessens WH, et al. **J Antimicrob Chemother** 1986 Oct;18(4):459–66

The mechanism of methicillin resistance. Lacey RW. **J Antimicrob Chemother** 1986 Oct;18(4):435–6

In-vitro activity of coumermycin against methicillin-resistant staphylococci: a comparison with six other agents. Thomas MG, et al. **J Antimicrob Chemother** 1986 Aug;18(2):171–5

Antibacterial properties of imipenem with special reference to the activity against methicillin-resistant staphylococci, cefotaxime-resistant Enterobacteriaceae and Pseudomonas aeruginosa. Vurma-Rapp U, et al. **J Antimicrob Chemother** 1986 Dec;18 Suppl E:27–33

Evaluation of laboratory tests for detection of methicillin-resistant Staphylococcus aureus and Staphylococcus epidermidis. Coudron PE, et al. **J Clin Microbiol** 1986 Nov;24(5):764–9

Modification of the Sceptor system for rapid detection of methicillin-resistant staphylococci. Denys GA, et al. **J Clin Microbiol** 1986 Sep;24(3):462–4

Detection of intrinsically resistant (heteroresistant) Staphylococcus aureus with the Sceptor and AutoMicrobic systems. Hansen SL, et al. **J Clin Microbiol** 1987 Feb; 25(2):412–5

Screening pneumococci for penicillin resistance. Swenson JM, et al. **J Clin Microbiol** 1986 Nov;24(5):749–52

Heteroresistant and nonheteroresistant methicillin-resistant Staphylococcus aureus [letter] Varaldo PE, et al. **J Clin Microbiol** 1987 Feb;25(2):463–4

Detection of methicillin-resistant Staphylococcus epidermidis. Woods GL, et al. **J Clin Microbiol** 1986 Sep; 24(3):349–52

Methicillin-resistant Staphylococcus aureus in the UK and Ireland. A questionnaire survey. Cooke EM, et al. **J Hosp Infect** 1986 Sep;8(2):143–8

The primordial MRSA? [letter] Lacey RW, et al. **J Hosp Infect** 1987 Jan;9(1):89–90

Methicillin-resistant Staphylococcus aureus: a 6-month survey in a Lisbon paediatric hospital. Melo Cristino JA, et al. **J Hyg (Lond)** 1986 Oct;97(2):265–72

Outcome of heteroresistant Staphylococcus aureus infections in children. Kline MW, et al. **J Infect Dis** 1987 Jul; 156(1):205–8

Control of epidemic methicillin-resistant Staphylococcus aureus [letter] Kristinsson KG, et al. **Lancet** 1987 Jan 31; 1(8527):274–5

Detection of methicillin-resistant Staphylococcus aureus [letter] Willson PA, et al. **Lancet** 1987 Mar 7;1(8532):558

Enzymatic characterization of Staphylococcus aureus strains: a possible role of habitat and methicillin-resistance in the determination of the differences observed. Pessione E, et al. **Microbios** 1986;47(191):107–12

Methicillin resistant Staphylococcus aureus in a Malaysian neonatal unit. Lim VK, et al. **Singapore Med J** 1987 Apr; 28(2):176–9

[In vitro study of a ceftriaxone-fosfomycin combination on 55 strains of methicillin-sensitive and heterogeneous methicillin-resistant Staphylococcus aureus] David C, et al. **Pathol Biol (Paris)** 1987 May;35(5):507–9 **(Fre)**

[Demonstration of methicillin-resistant Staphylococci using the broth microdilution method] Rossi A, et al. **Boll Ist Sieroter Milan** 1987;66(1):31–7 (Eng. Abstr.) **(Ita)**

[Clinical experience of 3 cases of toxic shock syndrome caused by methicillin cephem-resistant Staphylococcus

aureus (MRSA)] Furukawa Y, et al. **Kansenshogaku Zasshi** 1986 Oct;60(10):1147–53 (Eng. Abstr.) **(Jpn)**

[The virulence of methicillin-resistant Staphylococcus aureus in mice] Obana Y, et al. **Kansenshogaku Zasshi** 1986 Oct; 60(10):1133–9 (Eng. Abstr.) **(Jpn)**

[Methicillin-resistant Staphylococcus aureus] Shimada K. **Nippon Rinsho** 1986 Sep;44(9):2112–21 (35 ref.) **(Jpn)**

[Multi-resistant Staphylococcus aureus] Juliet C, et al. **Rev Med Chil** 1986 Feb;114(2):123–31 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Methicillin resistant Staphylococcus aureus in milk. Parks YA, et al. **Arch Dis Child** 1987 Jan;62(1):82–4

Nosocomial clonal dissemination of methicillin-resistant Staphylococcus aureus. Elucidation by plasmid analysis. Rhinehart E, et al. **Arch Intern Med** 1987 Mar;147(3):521–4

Evaluation of the chelating action of methicillin in prolonged experimental metallic mercury poisoning [letter] Lyle WH. **Br J Ind Med** 1987 Jan;44(1):71

Evaluation of the chelating action of methicillin in prolonged experimental metallic mercury poisoning. Twardowska-Saucha K. **Br J Ind Med** 1986 Sep; 43(9):611–4

Management of patients with epidemic methicillin-resistant Staphylococcus aureus: experience at an infectious diseases unit. Bannister BA. **J Hosp Infect** 1987 Mar;9(2):126–31

Per-operative antibiotic treatment in cardiovascular surgery: the influence of methicillin versus cephalothin on post-operative infections and bacterial colonization. Hansen BG. **J Hosp Infect** 1986 Sep;8(2):184–92

Treatment of experimental methicillin-resistant Staphylococcus epidermidis endophthalmitis with intravitreal vancomycin. Smith MA, et al. **Ophthalmology** 1986 Oct;93(10):1328–35

[Comparison of fosfomycin-penicillin M and penicillin M-gentamycin. Apropos of 35 severe infections caused by methicillin-sensitive Staphylococcus aureus] Baron D, et al. **Rev Med Interne** 1987 Jan-Feb;8(1):109–14 (Eng. Abstr.) **(Fre)**

METHIMAZOLE

ADMINISTRATION & DOSAGE

Initial treatment of thyrotoxic Graves' disease with methimazole: a randomized trial comparing different dosages. Messina M, et al. **J Endocrinol Invest** 1987 Jun; 10(3):291–5

ADVERSE EFFECTS

Methimazole, carbimazole, and congenital skin defects. Van Dijke CP, et al. **Ann Intern Med** 1987 Jan;106(1):60–1

Methimazole-associated cholestatic liver injury: case report and brief literature review. Schmidt G, et al. **Hepatogastroenterology** 1986 Dec;33(6):244–6

The association of aplasia cutis congenita with therapy of maternal thyroid disease. Kalb RE, et al. **Pediatr Dermatol** 1986 Sep;3(4):327–30

[Disorders of smell and taste in treatment with thiamazole and carbimazole] Neundörfer B. **Nervenarzt** 1987 Jan; 58(1):61–2 **(Ger)**

[Agranulocytosis as a complication of mercazolyl therapy of toxic goiter patients] Krivitskii DI, et al. **Klin Khir** 1986; (12):47–8 **(Rus)**

ANALYSIS

Shelf-life influence on disintegration and hardness of propyphenazone-metamizol tablets containing surfactants. Durić M, et al. **Pharmazie** 1986 Sep;41(9):665–6

The investigation of mechanical properties of metamizol-propyphenazone tablets prepared by the method of direct compression. Sekulović D, et al. **Pharmazie** 1986 Jun;41(6):436

METABOLISM

Pharmacokinetics of methimazole in children and adolescents with Graves' disease. Studies on plasma and intrathyroidal concentrations. Okuno A, et al. **Acta Endocrinol (Copenh)** 1987 May;115(1):112–8

Pharmacokinetics of methimazole in normal subjects and hyperthyroid patients. Okamura Y, et al. **Endocrinol Jpn** 1986 Oct;33(5):605–15

PHARMACODYNAMICS

Effect of iodine intake and methimazole on lymphocytic thyroiditis in the BB/W rat. Braverman LE, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:70–6

The effect of methimazole on the development of spontaneous lymphocytic thyroiditis in the diabetes-prone BB/W rat. Allen EM, et al. **Am J Med Sci** 1986 Nov; 292(5):267–71

Mechanism-based inhibition of lactoperoxidase by thiocarbamide goitrogens. Doerge DR. **Biochemistry** 1986 Aug 12;25(16):4724–8

The immunosuppressive effect of methimazole on cell-mediated immunity is mediated by its capacity to inhibit peroxidase and to scavenge free oxygen radicals. Balazs C, et al. **Clin Endocrinol (Oxf)** 1986 Jul;25(1):7–16

Effect of the anti-thyroid drug methimazole on interleukin-1 and interleukin-2 levels in vitro. Weetman AP. **Clin Endocrinol (Oxf)** 1986 Aug;25(2):133–42

Effects of methimazole on human lymphocyte proliferation and natural killer cell activity. Sharma BS, et al. **Gen Pharmacol** 1987;18(4):449–53

Methimazole antagonises HLA-DR3 suppression of AIDS [letter] Mullin GE, et al. **Lancet** 1987 Jan 31;1(8527):281

Urinary excretion of 3-methylhistidine and creatinine and plasma concentrations of amino acids in hyperthyroid patients following preoperative treatment with antithyroid drug or beta-blocking agent: results from a prospective, randomized study. Adlerberth A, et al. **Metabolism** 1987 Jul;36(7):637–42

Induction of circulating activated suppressor-like T cells by methimazole therapy for Graves' disease. Tötterman TH, et al. **N Engl J Med** 1987 Jan 1;316(1):15–22

THERAPEUTIC USE

Effects of high and low doses of methimazole in patients with Graves' thyrotoxicosis. Benker G, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:312–7

The selective beta 1-blocking agent metoprolol compared with antithyroid drug and thyroxine as preoperative treatment of patients with hyperthyroidism. Results from a prospective, randomized study. Adlerberth A, et al. **Ann Surg** 1987 Feb;205(2):182–8

Controlled single-blind clinical study of suprofen syrup versus metamizole syrup. von Szeged AV, et al. **Arzneimittelforschung** 1986 Jul;36(7):1110–2

Duration of antithyroid action of methimazole estimated with an intravenous perchlorate discharge test. McCruden DC, et al. **Clin Endocrinol (Oxf)** 1987 Jan;26(1):33–9

Effect of amiodarone on serum T4 and T3 levels in hyperthyroid patients treated with methimazole. Van Reeth O, et al. **Eur J Clin Pharmacol** 1987;32(3):223–7

Hyperthyroidism in children treated with long term medical therapy: twenty-five percent remission every two years. Lippe BM, et al. **J Clin Endocrinol Metab** 1987 Jun; 64(6):1241–5

Treatment of amiodarone associated thyrotoxicosis by simultaneous administration of potassium perchlorate and methimazole. Martino E, et al. **J Endocrinol Invest** 1986 Jun;9(3):201–7

Drug therapy for Graves' disease during pregnancy [letter] **N Engl J Med** 1986 Dec 4;315(23):1485–6

Insulin autoimmune syndrome in a methimazole-treated Graves' patient with polyclonal anti-insulin autoantibodies: report of a case. Lee YJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Feb;86(2):164–70

TOXICITY

The behavioral effects of perinatal methimazole administration in Swiss Webster mice. Rice SA, et al. **Fundam Appl Toxicol** 1987 May;8(4):531–40

Mutagenicity tests of the antithyroid agent thiamazole. Cytogenetic studies on male mice [published erratum appears in J Toxicol Sci 1987 May;12(2):164] Hashimoto T, et al. **J Toxicol Sci** 1987 Feb;12(1):23–32

Effect of perinatal methimazole exposure on enolase isozymes in the developing rat. Roginski ET, et al. **Neurotoxicology** 1986 Fall;7(3):181–5

METHIOCARB see under **INSECTICIDES, CARBAMATE**

METHIONINE

Identification of methionine-110 as the residue covalently modified in the electrophilic inactivation of D-amino-acid oxidase by O-(2,4-dinitrophenyl) hydroxylamine. D'Silva C, et al. **Biochemistry** 1987 Mar 24;26(6):1717–22

Electrophilic amination of a single methionine residue located at the active site of D-amino acid oxidase by O-(2,4-dinitrophenyl)hydroxylamine. D'Silva C, et al. **Biochemistry** 1986 Sep 23;25(19):5602–8

Methionine or not methionine at the beginning of a protein. Sherman F, et al. **Bioessays** 1985 Jul;3(1):27–31

Synthesis of DL-[1-11C]methionine. Bolster JM, et al. **Int J Rad Appl Instrum [A]** 1986;37(10):1069–70

Intermolecular charge transfer involving tryptophan, tyrosine and three electron-bonded intermediates derived from methionine. Bobrowski K, et al. **Int J Radiat Biol** 1986 Dec;50(6):1039–50

Ferrate oxidation of Escherichia coli DNA polymerase-I. Identification of a methionine residue that is essential for DNA binding. Basu A, et al. **J Biol Chem** 1987 Jul 15; 262(20):9601–7

Identification of highly reactive cysteinyl and methionyl residues of rabbit muscle phosphofructokinase. Latshaw SP, et al. **J Biol Chem** 1987 Aug 5;262(22):10672–7

Structure-activity studies on the C-terminal hexapeptide of substance P with modifications at the glutaminyl and methioninyl residues. Poulos C, et al. **J Med Chem** 1987 Aug;30(8):1512–5

[Embryotoxicity of the products of the Maillard reaction. Methionine-glucose and methionine-lactose] Darboux R, et al. **J Toxicol Clin Exp** 1986 Nov-Dec;6(6):377–86 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Methionine-induced acidosis in the weanling rat. Wamberg S, et al. **Acta Physiol Scand** 1987 Apr;129(4):575–83

Relative contribution of cysteine and methionine to glutathione content and thyroid hormone levels in the rat. Suberville C, et al. **Br J Nutr** 1987 Jul;58(1):105–11

Why not add methionine to paracetamol tablets? [letter] Neuvonen PJ, et al. **Br Med J [Clin Res]** 1986 Oct 11; 293(6552):958

Protected methionine supplementation with extruded blend of soybeans and soybean meal for dairy cows. Casper DP, et al. **J Dairy Sci** 1987 Feb;70(2):321–30

Effects of low dietary intake of methionine, choline or proteins on the biotransformation of arsenite in the rabbit. Vahter M, et al. **Toxicol Lett** 1987 Jun;37(1):41–6

ANALOGS & DERIVATIVES

Oxidative decarboxylation of 4-methylthio-2-oxobutyrate by branched-chain 2-oxo acid dehydrogenase complex [published erratum appears in Biochem J 1987 Mar 15;242(3):935] Jones SM, et al. **Biochem J** 1986 Jul 15; 237(2):621–3

Differential effects of the cytochrome P-450/reductase ratio on the oxidation of ethanol and the hydroxyl radical scavenging agent 2-keto-4-thiomethylbutyric acid (KMBA). Winston GW, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):4053–8

Non selective transport of [11C-methyl]-L-and D-methionine into a malignant glioma. Schober O, et al. **Eur J Nucl Med** 1987;13(2):103–5

Early increase in phosphatidyl choline synthesis by choline and transmethylation pathways in spreading fibroblasts. Mazière C, et al. **Exp Cell Res** 1986 Nov;167(1):257–61

Effects of N-acetyl-DL-methionine on the liver, GSH synthesis and plasma ALAT level in male Bom:NMRI mice. Skoglund LA, et al. **Gen Pharmacol** 1986;17(6):647–9

A purified cysteine conjugate beta-lyase from rat kidney cytosol. Requirement for an alpha-keto acid or an amino acid oxidase for activity and identity with soluble glutamine transaminase K. Stevens JL, et al. **J Biol Chem** 1986 Nov 25;261(33):15529–37

Synthesis of L- and D-[methyl-11C]methionine. Långström B, et al. **J Nucl Med** 1987 Jun;28(6):1037–40

Transport of methionine hydroxy analog across the brush border membrane of rat jejunum. Brachet P, et al. **J Nutr** 1987 Jul;117(7):1241–6

The normal pituitary examined with positron emission tomography and (methyl-11C)-L-methionine and (methyl-11C)-D-methionine. Bergström M, et al. **Neuroradiology** 1987;29(3):221–5

Hydrolysis of 2-hydroxy-4-(methylthio)butanoic acid dimer in two model systems. Lawson CQ, et al. **Poult Sci** 1986 Sep;65(9):1749–53

[Methionine derivatives with liver protecting activity] Picciòla G, et al. **Farmaco [Sci]** 1986 Oct;41(10):758–80 (Eng. Abstr.) **(Ita)**

[Anti-ulcer action of the sodium salt of N-(4-sulfolanol-3-yl) methionine] Tolstikova TG. **Farmakol Toksikol** 1986 Jul-Aug;49(4):81–4 (Eng. Abstr.) **(Rus)**

ANALYSIS

Methionine residue accessibility in native subtilisin DY. Lilova A, et al. **Biol Chem Hoppe Seyler** 1987 May; 368(5):513–9

Analysis of peptides containing oxidized methionine and/or tryptophan by fast atom bombardment mass spectrometry. Wagner RM, et al. **Biomed Environ Mass Spectrom** 1987 Feb;14(2):69–72

BIOSYNTHESIS

Cobalamin inactivation decreases purine and methionine synthesis in cultured human lymphoblasts. Boss GR. **Adv Exp Med Biol** 1986;195 Pt B:639–41

Regulation of the methionine regulon in Escherichia coli. Shoeman R, et al. **Bioessays** 1985 Nov;3(5):210–3

Age- and tumour-related changes in methionine biosynthesis in mice. Grzelakowska-Sztabert B, et al. **Cancer Lett** 1986 Aug;32(2):207–17

The metH gene from Salmonella typhimurium LT2: cloning and initial characterization. Urbanowski ML, et al. **Gene** 1986;44(2-3):211–7

Nucleotide sequence of the Salmonella typhimurium metR gene and the metR-metE control region. Plamann LS, et al. **J Bacteriol** 1987 Sep;169(9):3932–7

Mutations affecting the regulation of the metB gene of Salmonella typhimurium LT2. Urbanowski ML, et al. **J Bacteriol** 1987 Jan;169(1):126–30

A new methionine locus, metR, that encodes a trans-acting protein required for activation of metE and metH in Escherichia coli and Salmonella typhimurium. Urbanowski ML, et al. **J Bacteriol** 1987 Apr;169(4):1391–7

DEFICIENCY

Ethionine in the analysis of the possible separate roles of methionine and choline deficiencies in carcinogenesis. Ghoshal AK, et al. **Adv Exp Med Biol** 1986;206:283–92

Lipotropic factors and oncogenesis. Newberne PM. **Adv Exp Med Biol** 1986;206:223–51

The effect of methionine and protein deficiency in delaying expulsion of Nippostrongylus brasiliensis in the rat. Cummins AG, et al. **Am J Clin Nutr** 1986 Dec;44(6):857–62

Methylated niacin derivatives in plasma and urine after an

oral dose of nicotinamide given to subjects fed a low-methionine diet. Jenks BH, et al. **Am J Clin Nutr** 1987 Sep;46(3):496–502

Alteration in the ribonucleic acids in rat liver induced by a methionine-free total parenteral nutrition solution. Aoi S, et al. **J Nutr** 1987 Apr;117(4):673–7

Hepatocyte-like cells within the pancreas of rats fed methyl-deficient diets. Hoover KL, et al. **J Nutr** 1986 Aug; 116(8):1569–75

Effects of methionine deficiency and ethanol ingestion on acetaminophen metabolism in mice. Reicks MM, et al. **J Nutr** 1987 Mar;117(3):572–9

Inhibitory effect of L-methionine-deprived amino acid imbalance using total parenteral nutrition on growth of ascites hepatoma in rats. Goseki N, et al. **Tohoku J Exp Med** 1987 Feb;151(2):191–200

DIAGNOSTIC USE

Amino acid distribution and metabolism in pituitary adenomas using positron emission tomography with D-[11C]methionine and L-[11C]methionine. Bergström M, et al. **J Comput Assist Tomogr** 1987 May-Jun;11(3):384–9

[Positron emission tomography of lung cancer using 18F-2-fluoro-2-deoxy-D-glucose and L-[11C-methyl]-methionine] Matsuzawa T, et al. **Kokyu To Junkan** 1987 Jan;35(1):15–20 **(Jpn)**

GENETICS

The MET2 gene of Saccharomyces cerevisiae: molecular cloning and nucleotide sequence. Langin T, et al. **Gene** 1986;49(3):283–93

Alternative 5' exons either provide or deny an initiator methionine codon to the same alpha-tubulin coding region. Dobner PR, et al. **Nucleic Acids Res** 1987 Jan 12; 15(1):199–218

Nucleotide sequence of the Saccharomyces cerevisiae MET25 gene. Kerjan P, et al. **Nucleic Acids Res** 1986 Oct 24;14(20):7861–71

METABOLISM

Metabolism of 5'-methylthioadenosine in methionine-dependent and methionine-independent cells. Christa L, et al. **Adv Exp Med Biol** 1986;195 Pt B:651–7

The role of methionine in carcinogenesis in vivo. Poirier LA. **Adv Exp Med Biol** 1986;206:269–82

Hepatic methionine adenosyltransferase deficiency in a 31-year-old man. Gahl WA, et al. **Am J Hum Genet** 1987 Jan;40(1):39–49

Kinetic evidence for separate systems in transport of D- and L-methionine by rat small intestine. Brachet P, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):G320–4

Effects of prolonged ethanol feeding on methionine metabolism in rat liver. Barak AJ, et al. **Biochem Cell Biol** 1987 Mar;65(3):230–3

Changes in methionine metabolism induced by D-galactosamine in isolated rat hepatocytes. Ozturk M, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4223–8

Effect of fasting and of methionine deficiency on L-methionine, DL-methionine and DL-2-hydroxy-4-methylthiobutanoic acid metabolism in broiler chicks. Saunderson CL. **Br J Nutr** 1987 May; 57(3):429–37

Inhibition of methionine uptake by methotrexate in mouse leukemia L1210 cells. Scanlon KJ, et al. **Cancer Chemother Pharmacol** 1987;19(1):21–4

Methionine metabolism defect in cells transfected with an activated HRAS1 oncogene. Vanhamme L, et al. **Exp Cell Res** 1987 Mar;169(1):120–6

Methionine and lysine uptake by cattle small intestine in vitro. Guerino F, et al. **J Anim Sci** 1987 Aug;65(2):619–29

Identification of methionine and lysine transport systems in cattle small intestine. Guerino F, et al. **J Anim Sci** 1987 Aug;65(2):630–40

Influence of picolinic acid on the uptake of 65zinc-amino acid complexes by the everted rat gut. Hill DA, et al. **J Anim Sci** 1987 Jul;65(1):173–8

Methionine, choline and sulfate interrelationships in the diet of weanling swine. Lovett TD, et al. **J Anim Sci** 1986 Aug; 63(2):467–71

Growth and reproductive performance of rabbits on a moderately low crude protein diet with or without methionine or urea supplementation. Raharjo YC, et al. **J Anim Sci** 1986 Sep;63(3):795–803

Processing of the initiation methionine from proteins: properties of the Escherichia coli methionine aminopeptidase and its gene structure. Ben-Bassat A, et al. **J Bacteriol** 1987 Feb;169(2):751–7

Partial purification and some properties of homoserine O-acetyltransferase of a methionine auxotroph of Saccharomyces cerevisiae. Yamagata S. **J Bacteriol** 1987 Aug;169(8):3458–63

Alternate pathways for removal of the class II actin initiator methionine. Martin DJ, et al. **J Biol Chem** 1987 May 5; 262(13):6350–6

PET study of methionine accumulation in glioma and normal brain tissue: competition with branched chain amino acids. Bergström M, et al. **J Comput Assist Tomogr** 1987 Mar-Apr;11(2):208–13

Plasma amino acids and milk protein production by cows fed rumen-protected methionine and lysine. Rogers JA, et al. **J Dairy Sci** 1987 Apr;70(4):789–98

An in vivo kinetic model with L-[35S]methionine for the determination of local cerebral rates for methionine incorporation into protein in the rat. Lestage P, et al. **J Neurochem** 1987 Feb;48(2):352–63

Labeling of interferons with [35S]methionine in a cell-free DNA-dependent system. Kung HF. **Methods Enzymol** 1986;119:292–6

L-methionine catabolism in trichomonads. Thong KW, et al. **Mol Biochem Parasitol** 1987 Apr;23(3):223–31

Incorporation of amino acids into proteins of the hypothalamus of prepuberal female rats after estradiol treatment. Rodriguez-Sierra JF, et al. **Neuroendocrinology** 1987 Jun;45(6):459–64

S-adenosylmethionine and transmethylation reactions in trichomonads. Thong KW, et al. **Parasitol Res** 1987; 73(3):193–8

A differential response in turkey poults to various antibiotics in diets designed to be deficient or adequate in certain essential nutrients. Buresh RE, et al. **Poult Sci** 1986 Dec; 65(12):2314–7

Methionine requirement of male white Pekin ducklings. Elkin RG, et al. **Poult Sci** 1986 Sep;65(9):1771–6

Influence of three levels of copper on the performance of turkey poults with diets containing two sources of methionine. Harms RH, et al. **Poult Sci** 1987 Apr; 66(4):721–4

Utilization of methionine as a sulfhydryl source for metallothionein synthesis in rat primary hepatocyte cultures. Stein AF, et al. **Toxicol Appl Pharmacol** 1987 Feb; 87(2):276–83

[An explanation of the metabolic relation of vitamin B12, folates and methionine using oxidative transmethylase] Přistoupilová K, et al. **Cas Lek Cesk** 1986 Sep 12; 125(37):1168–72 (Eng. Abstr.) **(Cze)**

[Effects of acute or chronic administration of desmethylimipramine on the local level of methionine incorporation in cerebral proteins in freely moving rats] Rossatto C, et al. **C R Acad Sci [III]** 1986;303(20):761–4 (Eng. Abstr.) **(Fre)**

[Digestion of milk proteins and metabolism of methionine in the newborn lamb] Patureau-Mirand P, et al. **Reprod Nutr Dev** 1987;27(3):649–57 (Eng. Abstr.) **(Fre)**

[15N transamination in the administration of various tracer substances. 1. Whole body studies in rats] Schadereit R, et al. **Arch Tierernahr** 1986 Sep;36(9):783–92 (Eng. Abstr.) **(Ger)**

[Effect of protein- and fat-enriched diets on methionine absorption in rats after inhalation of petroleum vapors] Tokarz A, et al. **Rocz Panstw Zakl Hig** 1986;37(2):131–7 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Interference by methionine on valine uptake in Acremonium chrysogenum. Alonso MJ, et al. **Antimicrob Agents Chemother** 1987 Feb;31(2):357–9

Effects of excess methionine on collagen metabolism: a study on newborn rat skin. Taniguchi K, et al. **Biochem Med Metab Biol** 1987 Feb;37(1):125–31

Suppression by methionine and choline of onco-fetal patterns of liver tRNA methyltransferase activities in carcinogen-treated rats. Wainfan E, et al. **Carcinogenesis** 1987 Apr;8(4):615–7

Effect of choline and methionine treatment on cardiac dysfunction of diabetic rats. Heyliger CE, et al. **Diabetes** 1986 Oct;35(10):1152–7

Interactions of dietary methionine, lead and lindane in rats. Rowe VA, et al. **Drug Nutr Interact** 1986;4(4):349–54

Stimulation of hepatic efflux and turnover of glutathione by methionine in the rat. Lauterburg BH, et al. **Eur J Clin Invest** 1986 Dec;16(6):494–9

Lead toxicity in chicks: interactions with dietary methionine and choline. Latta DM, et al. **J Nutr** 1986 Aug; 116(8):1561–8

Effects of dietary methionine, cystine and potassium sulfate on serum cholesterol and urinary ascorbic acid in rats fed PCB. Oda H, et al. **J Nutr** 1986 Sep;116(9):1660–6

Muscle creatine content in rats given repeated large doses of nicotinamide: effects of dietary methionine, choline, carnitine, and other supplements. Sun S, et al. **J Nutr** 1986 Dec;116(12):2409–14

Effects of methionine and related compounds on plasma cholesterol level in rats fed a high cholesterol diet. Sugiyama K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Oct; 32(5):537–49

Enhancement by L-methionine of contractile responses to acetylcholine and high KCl in uterine segment. Ichida S, et al. **Jpn J Pharmacol** 1987 May;44(1):51–61

Effect of copper with three levels of sulfur containing amino acids in diets for turkeys. Kashani AB, et al. **Poult Sci** 1986 Sep;65(9):1754–9

The response of male broiler chicks to a corn-soy diet supplemented with L-methionine, L-cystine, choline, sulfate, and vitamin B12. Tillman PB, et al. **Poult Sci** 1986 Sep;65(9):1741–8

Urinary 3-methylthiopropionate excretion and the effect of D- or L-methionine ingestion studied in healthy subjects. Kaji H, et al. **Res Commun Chem Pathol Pharmacol** 1987 Apr;56(1):101–9

[Effect of selenium and DL-methionine on the zinc and tocopherol content of the seminal fluid in rams] Kaludin I, et al. **Vet Med Nauki** 1986;23(7):41–6 (Eng. Abstr.) **(Bul)**

[Protein concentrate of the manioc leaf. Extraction, chemical analyses and supplementation with amino acids] Salgado JM, et al. **Arch Latinoam Nutr** 1986 Sep;36(3):483–94 (Eng. Abstr.) **(Por)**

[Features of inter-organ glutathione metabolism in rats provided with different amounts of protein and methionine] Bondarev GI, et al. **Vopr Pitan** 1987 Mar-Apr;(2):44–8 (Eng. Abstr.) **(Rus)**

[Effect of methionine on the toxic effect of the pesticide rogor] Sapegin DI, et al. **Vopr Pitan** 1986 Nov-Dec; (6):56–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The role of methionine in methotrexate-sensitive and methotrexate-resistant mouse leukemia L1210 cells. Scanlon KJ, et al. **Cancer Chemother Pharmacol** 1987; 19(1):25–9

Expression of the aminoacyl-tRNA synthetase complex in cultured Chinese hamster ovary cells. Specific depression of the methionyl-tRNA synthetase component upon methionine restriction. Lazard M, et al. **J Biol Chem** 1987 Mar 25;262(9):3982–7

Growth and DNA synthesis of folate- and methionine-depleted L1210 mouse leukemia cells in culture. Karasawa M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1987 Feb;33(1):21–30

POISONING

Methionine toxicosis in cats [letter] Lloyd WE. **Am J Vet Res** 1987 Jul;48(7):1172

RADIATION EFFECTS

Formation of three-electron bonds in one-electron oxidized methionine dipeptides: a pulse radiolytic study. Bobrowski K, et al. **Int J Radiat Biol** 1987 Jul;52(1):139–44

THERAPEUTIC USE

Why do patients still die from paracetamol poisoning? [letter] McLean AE. **Br Med J [Clin Res]** 1986 Nov 1; 293(6555):1172

Effects of dietary methionine, cystine, and glycine on endogenous hypercholesterolemia in hepatoma-bearing rats. Yagasaki K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Dec;32(6):643–51

[Urinary acidification with L-methionine--a possibility of effective prevention of phosphate calculi] Bach D, et al. **Fortschr Med** 1987 May 20;105(15):300–2 (Eng. Abstr.) **(Ger)**

TOXICITY

Methionine toxicosis in cats. Maede Y, et al. **Am J Vet Res** 1987 Feb;48(2):289–92

METHIONINE ADENOSYLTRANSFERASE see under **TRANSFERASES**

METHIONINE ENKEPHALIN see **ENKEPHALIN, METHIONINE**

METHIONINE SULFOXIMINE

ANALOGS & DERIVATIVES

Renal clearance of glutathione measured in rats pretreated with inhibitors of glutathione metabolism. Scott RD, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F877–82

Reduced thiol content in L1210 cells treated with BSO increases DNA crosslinking by melphalan. Dorr RT. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):47–52

Differential glutathione depletion by L-buthionine-S,R-sulfoximine in rat embryo versus visceral yolk sac in vivo and in vitro. Harris C, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4437–41

Glutathione levels in cultured heart cells. Influence of buthionine sulfoximine, an inhibitor of glutathione synthesis. Lewko WM. **Biochem Pharmacol** 1987 Jan 15; 36(2):219–23

Enhanced melphalan cytotoxicity in human ovarian cancer in vitro and in tumor-bearing nude mice by buthionine sulfoximine depletion of glutathione. Ozols RF, et al. **Biochem Pharmacol** 1987 Jan 1;36(1):147–53

Effect of glutathione depletion by buthionine sulfoximine on rat embryonic development in vitro. Slott VL, et al. **Biochem Pharmacol** 1987 Mar 1;36(5):683–8

Effect of glutathione modulation using buthionine sulfoximine on DNA methylation by dimethylnitrosamine in the rat. Tacchi AM, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):881–5

Effects of glutathione depletion on the cytotoxicity of agents toward a human colonic tumour cell line. Jordan J, et al. **Br J Cancer** 1987 Jun;55(6):627–31

Depletion of tumour versus normal tissue glutathione by buthionine sulfoximine. Lee FY, et al. **Br J Cancer** 1987 Jul;56(1):33–8

Combined effect of buthionine sulfoximine and cyclophosphamide upon murine tumours and bone marrow. Ono K, et al. **Br J Cancer** 1986 Nov;54(5):749–54

Compartmentalised depletion of glutathione in cells treated with buthionine sulphoximine. Edgren M, et al. **Br J Radiol** 1987 Jul;60(715):723–4

The effect of buthionine sulphoximine, cimetidine and phenobarbitone on the disposition of amsacrine in the rabbit. Paxton JW, et al. **Cancer Chemother Pharmacol** 1986; 18(3):208–12

Chemosensitization of L-phenylalanine mustard by the thiol-modulating agent buthionine sulfoximine. Kramer RA, et al. **Cancer Res** 1987 Mar 15;47(6):1593–7

Radiosensitizing effect of misonidazole in combination with an inhibitor of glutathione synthesis in murine tumors. Ono K, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep; 12(9):1661–6

Cytotoxic effects of glutathione synthesis inhibition by L-buthionine-(SR)-sulfoximine on human and murine tumor cells. Dorr RT, et al. **Invest New Drugs** 1986; 4(4):305–13

Determination of L-buthionine-(S,R)-sulfoximine in plasma by high-performance liquid chromatography with o-phthalaldehyde derivatization and fluorometric detection. Duff R, et al. **J Chromatogr** 1987 Jan 9; 385:275–82

SR-2508 plus buthionine sulfoximine or SR-2508 alone: effects on the radiation response and the glutathione content of a human tumor xenograft. Lespinasse F, et al. **Radiat Res** 1987 Apr;110(1):149–54

Lack of enhanced myelotoxicity with buthionine sulfoximine and sulfhydryl-dependent anticancer agents in mice. Soble MJ, et al. **Res Commun Chem Pathol Pharmacol** 1987 Feb; 55(2):161–80

Effects of esterase inhibitors and buthionine sulfoximine on the prevention of acetaminophen hepatotoxicity by N-acetylcysteine. Wong BK, et al. **Res Commun Chem Pathol Pharmacol** 1987 Mar; 55(3):397–408

The effect of glutathione depletion by diamide, diethyl maleate or buthione sulfoximine on the surface structure of mouse L-cells. Szekely JG, et al. **Scanning Microsc** 1987 Mar;1(1):273–81

Inhibition of the acute toxicity of methyl chloride in male B6C3F1 mice by glutathione depletion. Chellman GJ, et al. **Toxicol Appl Pharmacol** 1986 Oct;86(1):93–104

Effects of buthionine sulfoximine and cysteine on the hepatotoxicity of butylated hydroxytoluene in rats. Nakagawa Y. **Toxicol Lett** 1987 Aug;37(3):251–6

ANTAGONISTS & INHIBITORS

Suppression of methionine sulfoximine seizures by intranigral gamma-vinyl GABA injection. Toussi HR, et al. **Eur J Pharmacol** 1987 Jun 4;137(2-3):261–4

PHARMACODYNAMICS

Cloning and characterization of Saccharomyces cerevisiae genes that confer L-methionine sulfoximine and tabtoxin resistance. Marek ET, et al. **J Bacteriol** 1987 Jun; 169(6):2440–8

METHIONYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

METHIOTHEPIN see under **DIBENZOTHIEPINS**

METHISAZONE see under **THIOSEMICARBAZONES**

METHODS see under **SCIENCE**

METHOFLURANUM see **METHOXYFLURANE**

METHOHEXITAL

Effects of rectal thiopentone and methohexitone on carbon dioxide tension in infant anaesthesia with spontaneous ventilation. Larsson LE, et al. **Acta Anaesthesiol Scand** 1987 Apr;31(3):227–30

A comparison of propofol and methohexitone as induction agents for day case isoflurane anaesthesia. O'Toole DP, et al. **Anaesthesia** 1987 Apr;42(4):373–6

Closed-loop feedback control of methohexital anesthesia by quantitative EEG analysis in humans. Schwilden H, et al. **Anesthesiology** 1987 Sep;67(3):341–7

Single-shot i.v. anaesthesia for outpatient dental surgery. Comparison of 2,6 di-isopropyl phenol and methohexitone. Logan MR, et al. **Br J Anaesth** 1987 Feb;59(2):179–83

Methohexitone anaesthesia for microlaryngoscopy: circulatory modulation with metoprolol and dihydralazine. Magnusson H, et al. **Br J Anaesth** 1986 Sep;58(9):976–82

Intravenous anaesthesia for cystoscopy: a comparison of propofol or methohexitone with alfentanil. Kay B, et al. **Eur J Anaesthesiol** 1986 Mar;3(2):111–20

A clinical trial of three anaesthetic regimens for the castration of ponies. Watkins SB, et al. **Vet Rec** 1987 Mar 21; 120(12):274–6

[Comparison of propofol and methohexital for dental and maxillofacial surgery] Bonnet MC, et al. **Ann Fr Anesth Reanim** 1987;6(4):280–4 (Eng. Abstr.) **(Fre)**

[Propofol in urological endoscopy in elderly patients. Comparison with methohexital] Delhumeau A, et al. **Ann Fr Anesth Reanim** 1987;6(4):313–9 (Eng. Abstr.) **(Fre)**

[Propofol versus methohexital in the surgery of the spinal canal] Destribats B, et al. **Ann Fr Anesth Reanim** 1987; 6(4):301–5 (Eng. Abstr.) **(Fre)**

[Comparison of the clinical effects of propofol and methohexital in induced abortion] Payen JF, et al. **Ann Fr Anesth Reanim** 1987;6(4):293–6 (Eng. Abstr.) **(Fre)**

[Comparative use of thiopental and methohexital in patients anesthesized for E.N.T. endoscopy. Apropos of 60 cases] Hubsch JP, et al. **Can Anesthesiol** 1987 May-Jun; 35(3):179–82 (Eng. Abstr.) **(Fre)**

[Dose-response relationship and serum concentrations of methohexital and hydroxymethohexital following rectal anesthesia induction with 1% and 5% methohexital solutions in children] Engelhardt W, et al. **Anaesthesist** 1986 Aug;35(8):491–5 (Eng. Abstr.) **(Ger)**

[The effect of rectal pH values on the absorption of methohexital] Jantzen JP, et al. **Anaesthesist** 1986 Aug; 35(8):496–9 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

A method for producing constant plasma concentrations of drugs. Application to methohexitone. McMurray TJ, et al. **Br J Anaesth** 1986 Oct;58(10):1085–90

[Intramuscular methohexital in pediatrics (letter)] Poussel JF, et al. **Ann Fr Anesth Reanim** 1986;5(6):629 **(Fre)**

[Anesthesia with perfused methohexital-fentanyl combination] Ancelin P, et al. **Can Anesthesiol** 1987 May-Jun;35(3):187–90 (Eng. Abstr.) **(Fre)**

[Anesthesia with intra-rectal methohexital for cerebral computed tomography in children] Menguy E, et al. **Can Anesthesiol** 1987 May-Jun;35(3):183–5 **(Fre)**

ADVERSE EFFECTS

[Generalized seizure induced by methohexital] Barra D, et al. **Ann Fr Anesth Reanim** 1987;6(2):120–1 (Eng. Abstr.) **(Fre)**

ANALOGS & DERIVATIVES

[Dose-response relationship and serum concentrations of methohexital and hydroxymethohexital following rectal anesthesia induction with 1% and 5% methohexital solutions in children] Engelhardt W, et al. **Anaesthesist** 1986 Aug;35(8):491–5 (Eng. Abstr.) **(Ger)**

BLOOD

Plasma drug efflux--a new approach to optimization of drug infusion for constant blood concentration of thiopental and methohexital. Crankshaw DP, et al. **Anesthesiology** 1987 Jul;67(1):32–41

Determination of sodium pentobarbital and either sodium methohexital or sodium thiopental in plasma by high-performance liquid chromatography with ultraviolet detection. Avram MJ, et al. **J Chromatogr** 1987 Mar 6; 414(2):484–91

DIAGNOSTIC USE

Interictal spike localisation with methohexitone: preoperative activation and surgical follow-up. Hardiman O, et al. **Epilepsia** 1987 Jul-Aug;28(4):335–9

PHARMACODYNAMICS

Comparison of propofol with methohexital for outpatient anesthesia. Doze VA, et al. **Anesth Analg** 1986 Nov; 65(11):1189–95

Effects of barbiturate anesthesia on functional residual capacity and ribcage/diaphragm contributions to ventilation. Bickler PE, et al. **Anesthesiology** 1987 Feb; 66(2):147–52

Endocrinological changes following etomidate, midazolam, or methohexital for minor surgery. Crozier TA, et al. **Anesthesiology** 1987 May;66(5):628–35

Effect of methohexital on the relationship between hexokinase distribution and energy metabolism in neuroblastoma cells. Krieglstein J, et al. **Arzneimittelforschung** 1987 Mar;37(3):291–5

Pressure reversal of alphaxalone/alphadolone and methohexitone in tadpoles: evidence for different molecular sites for general anaesthesia. Halsey MJ, et al. **Br J Pharmacol** 1986 Oct;89(2):299–305

A comparison of xylazine and methohexitone for the chemical immobilization of Reeves' muntjac (Muntiacus reevesi). Cooper JE, et al. **Br Vet J** 1986 Jul-Aug; 142(4):350–7

Tetraethylammonium-methohexitone induced contractures and miniature end-plate potential discharge in the chick biventer cervicis muscle. Elliott RC. **Gen Pharmacol** 1986; 17(6):655–9

Barbiturate narcosis and estrogen levels in women. Bergman A, et al. **Gynecol Obstet Invest** 1987;23(3):167–71

Assessment of power spectral edge for monitoring depth of anaesthesia using low methohexitone infusion. Withington PS, et al. **Int J Clin Monit Comput** 1986;3(2):117–22

[Comparative study of recovery after methohexital and thiopental anesthesia] Kurtz M, et al. **Can Anesthesiol** 1987 May-Jun;35(3):171–5 **(Fre)**

THERAPEUTIC USE

Have you considered Brevital? [letter] White JD. **Ann Emerg Med** 1987 Feb;16(2):236–7

METHOHEXITONE see **METHOHEXITAL**

METHOMYL see under **INSECTICIDES, CARBAMATE**

METHOPRENE see under **JUVENILE HORMONES**

METHOPYRAPONE see **METYRAPONE**

METHOTREXATE

[Study on the chemical stability of MTX polyphase liposomes] Qi H, et al. **Yao Hsueh Hsueh Pao** 1986 Nov; 21(11):847–52 (Eng. Abstr.) **(Chi)**

[Determination of encapsulation efficiency and release test of MTX polyphase liposome] Qi H, et al. **Yao Hsueh Hsueh Pao** 1987 Jan;22(1):48–52 (Eng. Abstr.) **(Chi)**

ADMINISTRATION & DOSAGE

A randomized phase III trial of cisplatinum, methotrexate, cisplatinum + methotrexate, and cisplatinum + 5-fluoro-uracil in end-stage head and neck cancer. Campbell JB, et al. **Acta Otolaryngol (Stockh)** 1987 May-Jun;103(5-6):519–28

Recurrent glioblastoma treated by chemotherapy alone. Eggen BM, et al. **Acta Paediatr Scand** 1987 Jan;76(1):163–4

Synergy of methotrexate and 6-mercaptopurine on cell growth and clonogenicity of cultured human T-lymphoblasts. De Abreu RA, et al. **Adv Exp Med Biol** 1986;195 Pt B:129–34

Continuous 5-fluorouracil infusion and pulse methotrexate/leucovorin for colorectal adenocarcinoma. A report of excessive toxicity. Hansen RM, et al. **Am J Clin Oncol** 1987 Jun;10(3):216–8

Chemotherapy of advanced colorectal cancer. A randomized trial of sequential methotrexate and 5-fluorouracil. Mackintosh J, et al. **Am J Clin Oncol** 1987 Jun;10(3):210–2

Severe flare of rheumatoid arthritis after discontinuation of long-term methotrexate therapy. Double-blind study. Kremer JM, et al. **Am J Med** 1987 Apr;82(4):781–6

High-dose cyclophosphamide and intermediate-dose methotrexate for the treatment of far-advanced Burkitt's lymphoma. Brecher ML, et al. **Am J Pediatr Hematol Oncol** 1985 Summer;7(2):117–24

Characterization of conditions in which dipyridamole enhances methotrexate toxicity in L1210 cells. Muggia FM, et al. **Anticancer Res** 1987 Mar-Apr;7(2):161–6

Oral methotrexate is as effective as intramuscular in maintenance therapy of acute lymphoblastic leukaemia. Chessells JM, et al. **Arch Dis Child** 1987 Feb;62(2):172–6

The prolongation of the survival times of mice implanted with TLX5 cells by treatment with methotrexate encapsulated in erythrocytes. Alpar HO, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):3081–3

Pulmonary function in patients on long-term, low-dose methotrexate. Phillips TJ, et al. **Br J Dermatol** 1986 Dec; 115(6):657–62

Effects of 5,8-dideazaisopteroylglutamate (IAHQ) on L1210 leukemia in mice when given alone and in combination with methotrexate, probenecid, or verapamil. Hynes JB, et al. **Cancer Chemother Pharmacol** 1986;18(3):231–4

Phase I/II trial of intravesical methotrexate for superficial bladder tumors. Sternberg CN, et al. **Cancer Chemother Pharmacol** 1986;18(3):265–9

The influence of route of administration on the hepatic uptake of methotrexate. Balis FM, et al. **Cancer Drug Deliv** 1986 Fall;3(4):239–42

Folate and methotrexate polyglutamate tissue levels in rhesus monkeys following chronic low-dose methotrexate. Winick NJ, et al. **Cancer Drug Deliv** 1987 Spring;4(1):25–31

Target-selective cytotoxicity of methotrexate conjugated with monoclonal anti-MM46 antibody. Endo N, et al. **Cancer Immunol Immunother** 1987;25(1):1–6

Medical treatment of residual ectopic pregnancy: RU 486 and methotrexate. Kenigsberg D, et al. **Fertil Steril** 1987 Apr;47(4):702–3

Early intensification therapy in high-risk childhood acute lymphocytic leukemia: lack of benefit from high-dose methotrexate. Janka GE, et al. **Hamatol Bluttransfus** 1987; 30:456–60

The mode of action of methotrexate-monoclonal antibody conjugates. Smyth MJ, et al. **Immunol Cell Biol** 1987 Apr; 65 (Pt 2):189–200

Methotrexate in infusion solutions--a stability test for the hospital pharmacy. Dyvik O, et al. **J Clin Hosp Pharm** 1986 Oct;11(5):343–8

Combined radiotherapy and chemotherapy with bleomycin and methotrexate for advanced inoperable head and neck cancer: update of a Northern California Oncology Group randomized trial. Fu KK, et al. **J Clin Oncol** 1987 Sep; 5(9):1410–8

The effect of low dose chronic intermittent parental methotrexate on delayed type hypersensitivity and acute inflammation in a mouse model. O'Callaghan JW, et al. **J Rheumatol** 1986 Aug;13(4):710–4

Methotrexate and retinoids in combination for psoriasis [letter] Harrison PV, et al. **Lancet** 1987 Aug 29;2(8557):512

A randomized study comparing high-dose methotrexate with moderate-dose methotrexate as components of adjuvant chemotherapy in childhood nonmetastatic osteosarcoma: a report from the Childrens Cancer Study Group. Krailo M, et al. **Med Pediatr Oncol** 1987;15(2):69–77

The enigma of testicular leukemia: a critical review. Russo A, et al. **Med Pediatr Oncol** 1986;14(6):300–5

Conjugates of monoclonal antibody 791T/36 with methotrexate in cancer therapy. Baldwin RW, et al. **NCI Monogr** 1987;(3):95–9

Swiss adjuvant trial (OSAKO 06/74) with chlorambucil, methotrexate, and 5-fluorouracil plus BCG in node-negative breast cancer patients: nine-year results. Senn HJ, et al. **NCI Monogr** 1986;(1):129–34

Doxorubicin and methotrexate on a weekly schedule in patients with sarcomas. Chlebowski RT, et al. **Oncology** 1987;44(4):210–3

Methotrexate with citrovorum factor in low-risk gestational trophoblastic tumor. Bolis G, et al. **Tumori** 1987 Jun 30; 73(3):309–13

[Planned multidisciplinary approach in the treatment of advanced carcinoma of the tongue] Zhang MY, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Nov;8(6):464–6 (Eng. Abstr.) **(Chi)**

[Sequential administration of methotrexate and 5-fluorouracil in epidermoid carcinomas of the head and neck. Results of a prospective study] Chevallier B, et al. **Bull Cancer (Paris)** 1986;73(6):680–2 **(Fre)**

[Intrathecal chemotherapy by a totally implanted device (letter)] Ranchere JY, et al. **Presse Med** 1986 Sep 27; 15(32):1641 **(Fre)**

[Spectral EEG analysis in children treated with high-dose methotrexate] Fujii Y, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 1):659–67 (Eng. Abstr.) **(Jpn)**

[Sequential methotrexate-5-fluorouracil (MTX-5-FU) treatment of patients with advanced gastric and colorectal cancer. Sequential Methotrexate-5-FU Study Group] Murakami M, et al. **Gan To Kagaku Ryoho** 1987 Aug; 14(8):2482–90 (Eng. Abstr.) **(Jpn)**

[Biochemical modulation with sequential methotrexate (MTX)-5-fluorouracil (5-FU) treatment] Ota K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1642–9 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy with MOPP and intrathecal methotrexate in children with brain tumors] Sato J, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(11):3266–70 (Eng. Abstr.) **(Jpn)**

[Preclinical and clinical studies of sequential therapy with methotrexate and 5 fluorouracil in breast cancer] Kitamura M, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Dec 20; 21(10):2430–8 (Eng. Abstr.) **(Jpn)**

[Clinical application of sequential dose methotrexate and 5-FU as a neoadjuvant chemotherapy in advanced stomach carcinoma] Urabe T, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Oct 20;21(9):2284–95 (Eng. Abstr.) **(Jpn)**

[Children with acute lymphatic leukemia. Long-term prognosis and a follow-up of a national sample treated with methotrexate] Moe PJ, et al. **Tidsskr Nor Laegeforen** 1986 Nov 10;106(31):2621–3, 2620 (Eng. Abstr.) **(Nor)**

ADVERSE EFFECTS

Cryptococcosis associated with low-dose methotrexate for arthritis. Altz-Smith M, et al. **Am J Med** 1987 Jul; 83(1):179–81

Maculopathy associated with combination chemotherapy and osmotic opening of the blood-brain barrier. Millay RH, et al. **Am J Ophthalmol** 1986 Nov 15;102(5):626–32

Methotrexate and the acquired immunodeficiency syndrome [letter] Lambert RE, et al. **Ann Intern Med** 1987 May; 106(5):773

Reduced cerebral glucose metabolism and increased brain capillary permeability following high-dose methotrexate chemotherapy: a positron emission tomographic study. Phillips PC, et al. **Ann Neurol** 1987 Jan;21(1):59–63

Acute bullous dermatosis and onycholysis due to high-dose methotrexate and leucovorin calcium [letter] Chang JC. **Arch Dermatol** 1987 Aug;123(8):990–2

Methotrexate-induced epidermal necrosis. Harrison PV. **Br J Dermatol** 1987 Jun;116(6):867–9

Methotrexate allergy [letter] Geggie PH. **Can Med Assoc J** 1987 Jul 15;137(2):103

Leukocyte migration inhibition in methotrexate-induced pneumonitis. Evidence for an immunologic cell-mediated mechanism. Akoun GM, et al. **Chest** 1987 Jan;91(1):96–9

The aminopyrine breath test, an inadequate early indicator of methotrexate-induced liver disease in patients with psoriasis. Williams CN, et al. **Clin Invest Med** 1987 Mar; 10(2):54–8

Delayed reactivation of sunburn by methotrexate: sparing of chronically sun-exposed skin. Westwick TJ, et al. **Cutis** 1987 Jan;39(1):49–51

Methotrexate-NSAID interactions [letter] Stockley IH. **Drug Intell Clin Pharm** 1987 Jun;21(6):546

Altered pharmacokinetics and clinical consequences of low dose methotrexate plus cisplatin in the treatment of advanced head and neck cancer. Milano G, et al. **Eur J Cancer Clin Oncol** 1986 Jul;22(7):843–7

Pulmonary complications following methotrexate therapy. Phillips TJ, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):373–5

Painful oral mucosal ulcers in a patient with small cell carcinoma of the lung. Kanas RJ, et al. **J Am Dent Assoc** 1987 Jul;115(1):75–6

Cerebral dysfunction secondary to high-dose methotrexate [letter] Jaffe N. **J Clin Oncol** 1987 Apr;5(4):681–2

Myelin basic protein in CSF of children receiving intrathecal chemotherapy [letter] Thyss A. **J Clin Oncol** 1986 Oct; 4(10):1569

Transient cerebral dysfunction secondary to high-dose methotrexate. Walker RW, et al. **J Clin Oncol** 1986 Dec; 4(12):1845–50

Diffuse hepatic uptake of technetium-99m methylene diphosphonate in a patient receiving high dose methotrexate. Flynn BM, et al. **J Nucl Med** 1987 Apr; 28(4):532–4

Methotrexate toxicity in a patient receiving trimethoprim-sulfamethoxazole [letter] Frain JB. **J Rheumatol** 1987 Feb;14(1):176–7

Toxicity of methotrexate in rheumatoid arthritis. Gispen JG, et al. **J Rheumatol** 1987 Feb;14(1):74–9

Methotrexate/nitrous-oxide toxic interaction in perioperative chemotherapy for early breast cancer [letter] Goldhirsch A, et al. **Lancet** 1987 Jul 18;2(8551):151

Toxicity of leukaemia therapy in children with Down syndrome [letter] Peeters MA, et al. **Lancet** 1986 Nov 29; 2(8518):1279

Methotrexate, folate and the brain. Kamen BA. **Neurotoxicology** 1986 Summer;7(2):209–16

Hepatotoxicity associated with low-dose, long-term methotrexate treatment of rheumatoid arthritis. Szanto E, et al. **Scand J Rheumatol** 1987;16(4):229–34

Pulmonary disease during the treatment of rheumatoid arthritis with low dose pulse methotrexate. Carson CW, et al. **Semin Arthritis Rheum** 1987 Feb;16(3):186–95

Low dose methotrexate pneumonitis in rheumatoid arthritis. Louie S, et al. **Thorax** 1986 Sep;41(9):703–4

[Pancytopenia during treatment of rheumatoid arthritis with methotrexate after administration of trimethoprim-sulfamethoxazole (letter)] Thevenet JP, et al. **Presse Med** 1987 Sep 19;16(30):1487 **(Fre)**

[Pregnancy following cytostatic treatment of trophoblast tumor] Tscherne G. **Geburtshilfe Frauenheilkd** 1987 Apr; 47(4):267–9 (Eng. Abstr.) **(Ger)**

[Immune complex formation and complement changes in osteosarcoma patients treated with high-dose methotrexate] Körholz D, et al. **Klin Padiatr** 1987 Jan-Feb; 199(1):22–6 (Eng. Abstr.) **(Ger)**

[Choriocarcinoma: neutropenia--acute emergency] Briese V, et al. **Zentralbl Gynakol** 1987;109(7):450–8 (Eng. Abstr.) **(Ger)**

[Course of pregnancy and labor following cytostatic treatment of trophoblastic tumors] Richter P, et al. **Zentralbl Gynakol** 1987;109(9):586–9 (Eng. Abstr.) **(Ger)**

[Transient cerebral dysfunction induced by VCR, HD-MTX in a child with acute lymphocytic leukemia] Sato J, et al. **Rinsho Ketsueki** 1986 Nov;27(11):2162–7 (Eng. Abstr.) **(Jpn)**

[Effect of sho-saiko-to and mecobalamin on the biological responses in methotrexate treated rats. Especially from biorheological view points] Tani T, et al. **Yakugaku Zasshi** 1987 Mar;107(3):199–208 (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

An investigation into the source of the deglutamated metabolites of methotrexate in patients treated with high dose infusions. Stewart MJ, et al. **Ann Clin Biochem** 1986 Mar;23 (Pt 2):210–5

The kinetics of methotrexate polyglutamation in human breast cancer cells. Morrison PF, et al. **Arch Biochem Biophys** 1987 May 1;254(2):597–610

Inhibition of 5-aminoimidazole-4-carboxamide ribotide transformylase, adenosine deaminase and 5'-adenylate deaminase by polyglutamates of methotrexate and oxidized folates and by 5-aminoimidazole-4-carboxamide riboside and ribotide. Baggott JE, et al. **Biochem J** 1986 May 15; 236(1):193–200

Photoaffinity analogues of methotrexate as probes for dihydrofolate reductase structure and function. Price EM, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4341–3

Methotrexate analogues-27. Dual inhibition of dihydrofolate reductase and folylpolyglutamate synthetase by methotrexate and aminopterin analogues with a gamma-phosphonate group in the side chain. Rosowsky A, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3327–33

Metabolism of methotrexate and gamma-tert-butyl methotrexate by human leukemic cells in culture and by hepatic aldehyde oxidase in vitro. Wright JE, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2209–14

Liposome-mediated delivery of pteridine antifolates to cells in vitro: potency of methotrexate, and its alpha and gamma substituents. Heath TD, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):72–80

Inhibition of cell proliferation by putative metabolites and non-degradable analogs of methotrexate-gamma-dimyristoylphosphatidylethanolamine. Kinsky SC, et al. **Biochim Biophys Acta** 1987 Feb 14;917(2):211–8

Pharmacokinetics of methotrexate and 7-hydroxy-methotrexate in plasma and bone marrow of children receiving low-dose oral methotrexate. Sonneveld P, et al. **Cancer Chemother Pharmacol** 1986;18(2):111–6

Folate and methotrexate polyglutamate tissue levels in rhesus monkeys following chronic low-dose methotrexate. Winick NJ, et al. **Cancer Drug Deliv** 1987 Spring;4(1):25–31

Interaction of polyglutamyl derivatives of methotrexate, 10-deazaaminopterin, and dihydrofolate with dihydrofolate reductase. Kumar P, et al. **Cancer Res** 1986 Oct; 46(10):5020–3

L-asparaginase-induced modulation of methotrexate polyglutamylation in murine leukemia L5178Y. Sur P, et al. **Cancer Res** 1987 Mar 1;47(5):1313–8

Phase II trial of dichloromethotrexate in epidermoid carcinoma of the esophagus. Bajorin D, et al. **Cancer Treat Rep** 1986 Oct;70(10):1245–6

Preparation of dextran T70-methotrexate conjugate and dextran T70-mycophenolic acid conjugate, and in vitro effect of dextran T70-methotrexate on dihydrofolate reductase. Onishi H, et al. **Chem Pharm Bull (Tokyo)** 1986 Jun;34(6):2561–7

7-Hydroxymethotrexate cytotoxicity and selectivity in a human Burkitt's lymphoma cell line versus human granulocytic progenitor cells: rescue by folinic acid and nucleosides. Fabre I, et al. **Eur J Cancer Clin Oncol** 1986 Oct;22(10):1247–54

Pharmacokinetics of methotrexate and its 7-OH metabolite in cancer patients treated with different high-methotrexate dosage regimens. el-Yazigi A, et al. **Int J Cancer** 1986 Dec 15;38(6):795–800

Separation and identification of methotrexate and its metabolites, 7-hydroxymethotrexate and polyglutamates, in human tissues by reversed-phase high-performance liquid chromatography coupled with radioimmunoassay. Anzai T, et al. **J Chromatogr** 1987 Apr 10;415(2):445–9

Methotrexate analogues. 30. Dihydrofolate reductase inhibition and in vitro tumor cell growth inhibition by N epsilon-(haloacetyl)-L-lysine and N delta-(haloacetyl)-L-ornithine analogues and an acivicin analogue of methotrexate. Rosowsky A, et al. **J Med Chem** 1987 Aug;30(8):1463–9

Methotrexate analogues. 29. Effect of gamma-aminobutyric acid spacers between the pteroyl and glutamate moieties on enzyme binding and cell growth inhibition. Rosowsky A, et al. **J Med Chem** 1986 Oct;29(10):1872–6

The use of protein as a carrier of methotrexate for experimental cancer chemotherapy. II. Chemotherapy of Gardner lymphosarcoma with pea seed lectin-methotrexate derivative. Bureš L, et al. **Neoplasma** 1986;33(4):409–16

The effect of fibrinogen-methotrexate derivatives on HeLa cell growth. Dyr JE, et al. **Neoplasma** 1986;33(4):401–7

The effect of silyl substituted methotrexate in the treatment of experimental allergic encephalomyelitis in rats mediated by T-line cells. Przuntek H, et al. **Neuropharmacology** 1987 Feb-Mar;26(2-3):255–60

ANALYSIS

Permeability of latex and polyvinyl chloride gloves to fluorouracil and methotrexate. Stoikes ME, et al. **Am J Hosp Pharm** 1987 Jun;44(6):1341–6

Rapid and simple assay for the measurement of methotrexate in serum, urine and red blood cells by reversed-phase high-performance liquid chromatography. Brimmell PA, et al. **J Chromatogr** 1987 Jan 23;413:320–5

ANTAGONISTS & INHIBITORS

Prevention of methotrexate-induced gastrointestinal toxicity by glucose. Badr MZ, et al. **Drug Nutr Interact** 1987; 5(1):43–7

[Effect of ascorbic acid on the frequency of the occurrence of colchicine- and methotrexate-resistant colonies] Kadyrova EL. **Biull Eksp Biol Med** 1987 Feb;103(2):200–2 (Eng. Abstr.) **(Rus)**

BLOOD

Use of charcoal hemoperfusion with sequential hemodialysis to reduce serum methotrexate levels in a patient with acute renal insufficiency. Molina R, et al. **Am J Med** 1987 Feb; 82(2):350–2

Pharmacokinetics of drugs in blood. V: Aberrant blood and plasma concentration profiles of methotrexate during intravenous infusion. Lee MG, et al. **Biopharm Drug Dispos** 1986 Sep-Oct;7(5):487–94

Mouse erythrocyte carriers osmotically loaded with methotrexate. Kruse CA, et al. **Biotechnol Appl Biochem** 1987 Apr;9(2):123–40

Methotrexate pharmacokinetics in age-fractionated erythrocytes. Schrøder H. **Cancer Chemother Pharmacol** 1986;18(3):203–7

Degradation of methotrexate in an automated procedure for extracting it from serum. Lough M, et al. **Clin Chem** 1987 Jun;33(6):1072

Trimethoprim interference in methotrexate assay by an enzyme inhibition assay kit. Kitaoka S, et al. **Tohoku J Exp Med** 1986 Dec;150(4):481–2

[Determination of methotrexate concentration in serum: comparison between capillary and venous blood] Bömelburg T, et al. **Klin Padiatr** 1987 May-Jun; 199(3):230–2 (Eng. Abstr.) **(Ger)**

[New aspects of the determination of blood methotrexate levels in leukemic children] Schuler D, et al. **Monatsschr Kinderheilkd** 1986 Oct;134(10):765–8 (Eng. Abstr.) **(Ger)**

CEREBROSPINAL FLUID

Methotrexate cerebrospinal fluid pharmacokinetics in a patient with lymphoma treated with methotrexate, bleomycin, doxorubicin, cyclophosphamide, vincristine, and dexamethasone. Stephens RL, et al. **Am J Med** 1986 Oct;81(4):718–20

Interference of methotrexate with the determination of the protein content of cerebrospinal fluid. Verweij WM, et al.

Ann Clin Biochem 1986 Sep;23 (Pt 5):612

The effect of amitriptyline on the central nervous system penetration of methotrexate. Heideman RL, et al. **Cancer Drug Deliv** 1986 Fall;3(4):219–22

[Clinical pharmacology of methotrexate (MTX)—altered central nervous system pharmacology of MTX with meningial relapse of childhood leukemia] Matsuoka H, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1856–61 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Separation and identification of methotrexate and its metabolites, 7-hydroxymethotrexate and polyglutamates, in human tissues by reversed-phase high-performance liquid chromatography coupled with radioimmunoassay. Anzai T, et al. **J Chromatogr** 1987 Apr 10;415(2):445–9

METABOLISM

An investigation into the source of the deglutamated metabolites of methotrexate in patients treated with high dose infusions. Stewart MJ, et al. **Ann Clin Biochem** 1986 Mar;23 (Pt 2):210–5

Transport of folate compounds by leukemic cells. Evidence for a single influx carrier for methotrexate, 5-methyltetrahydrofolate, and folate in CCRF-CEM human lymphoblasts. Henderson GB, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):3007–14

Methotrexate metabolism in mutant Chinese hamster ovary cells lacking dihydrofolate reductase. Joannon P, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):1091–7

Metabolism of methotrexate and gamma-tert-butyl methotrexate by human leukemic cells in culture and by hepatic aldehyde oxidase in vitro. Wright JE, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2209–14

Circumvention of the methotrexate transport system by methotrexate-phosphatidylethanolamine derivatives: effect of fatty acid chain length. Kinsky SC, et al. **Biochim Biophys Acta** 1987 Sep 4;921(1):96–103

A comparative study on the pharmacokinetics of methotrexate in a dose range of 0.5 g to 33.6 g/m2 in children with acute lymphoblastic leukemia. Borsi JD, et al. **Cancer** 1987 Jul 1;60(1):5–13

Alteration of methotrexate metabolism in rats by administration of an elemental liquid diet. I. Changes in drug enterohepatic circulation. McAnena OJ, et al. **Cancer** 1987 Jan 1;59(1):31–7

Alteration of methotrexate metabolism in rats by administration of an elemental liquid diet. II. Reduced toxicity and improved survival using cholestyramine. McAnena OJ, et al. **Cancer** 1987 Mar 15;59(6):1091–7

Prognostic importance of systemic clearance of methotrexate in childhood acute lymphoblastic leukemia. Borsi JD, et al. **Cancer Chemother Pharmacol** 1987;19(3):261–4

The enterohepatic circulation of methotrexate in vivo: inhibition by bile salt. Griffin D, et al. **Cancer Chemother Pharmacol** 1987;19(1):40–1

Methotrexate in neutrophils in children with acute lymphoblastic leukemia. Schrøder H. **Cancer Chemother Pharmacol** 1987;19(4):339–42

Methotrexate kinetics in myeloid bone marrow cells and peripheral neutrophils. Schrøder H. **Cancer Chemother Pharmacol** 1987;19(1):42–6

Pharmacokinetics of methotrexate and 7-hydroxy-methotrexate in plasma and bone marrow of children receiving low-dose oral methotrexate. Sonneveld P, et al. **Cancer Chemother Pharmacol** 1986;18(2):111–6

Methotrexate (MTX) concentration in tumors following low-dose MTX. Winick NJ, et al. **Cancer Chemother Pharmacol** 1987;20(1):78–80

In vitro cytotoxicity of a human serum albumin-mediated conjugate of methotrexate with anti-MM46 monoclonal antibody. Endo N, et al. **Cancer Res** 1987 Feb 15; 47(4):1076–80

L-asparaginase-induced modulation of methotrexate polyglutamylation in murine leukemia L5178Y. Sur P, et al. **Cancer Res** 1987 Mar 1;47(5):1313–8

Pharmacokinetic interactions of cyclophosphamide and 5-fluorouracil with methotrexate in an animal model. de Bruijn EA, et al. **Cancer Treat Rep** 1986 Oct;70(10):1159–65

Pharmacokinetics of methotrexate in Indian children and its relationship to nutritional status. Kumar RV, et al. **Chemotherapy** 1987;33(4):234–9

Pharmacokinetics of oral methotrexate in bone marrow during maintenance treatment of childhood acute lymphocytic leukemia. Sonneveld P, et al. **Hamatol Bluttransfus** 1987;30:293–7

Pharmacokinetics of methotrexate and its 7-OH metabolite in cancer patients treated with different high-methotrexate dosage regimens. el-Yazigi A, et al. **Int J Cancer** 1986 Dec 15;38(6):795–800

Tumor uptake of 5-fluorouracil, methotrexate, and adriamycin vs gallium. Webber MM, et al. **Int J Rad Appl Instrum [B]** 1986;13(6):625–7

Chronic effects of fractionated renal irradiation on the pharmacokinetics of intravenous methotrexate. Holcenberg JS, et al. **Int J Radiat Oncol Biol Phys** 1987 May; 13(5):759–64

Renal irradiation and the pharmacology and toxicity of methotrexate and cisplatinum. Moulder JE, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1415–8

Biochemistry and regulation of folate and methotrexate transport in Leishmania major. Ellenberger TE, et al. **J Biol Chem** 1987 Jul 25;262(21):10053–8

Methotrexate bioavailability after oral and intramuscular administration in children. Teresi ME, et al. **J Pediatr** 1987 May;110(5):788–92

Organ distribution of fibrinogen-bound methotrexate in mice with Gardner lymphosarcoma. Slavíková V, et al. **Neoplasma** 1987;34(3):269–76

Effects of food and gender on the pharmacokinetics of methotrexate in children. Madanat F, et al. **Res Commun Chem Pathol Pharmacol** 1987 Feb; 55(2):279–82

Pharmacokinetics and toxicity of frequent intermediate dose methotrexate infusions. Parker RI, et al. **Ther Drug Monit** 1986;8(4):393–9

PHARMACODYNAMICS

Methotrexate effects on heterotopic bone in rats. Nilsson OS, et al. **Acta Orthop Scand** 1987 Feb;58(1):47–53

Increased availability of phosphoribosyl pyrophosphate as the basis for enhanced 6-mercaptopurine incorporation by methotrexate, in cultured human lymphoblasts. Bökkerink JP, et al. **Adv Exp Med Biol** 1986;195 Pt B:135–9

Influence of methotrexate on purine and pyrimidine pools and on cell phase distribution of cultured human lymphoblasts. De Abreu RA, et al. **Adv Exp Med Biol** 1986; 195 Pt B:105–11

The effects of hypoxanthine on methotrexate-induced differentiation of cultured human choriocarcinoma (BeWo) cells. Burres NS, et al. **Biochem Cell Biol** 1986 Aug; 64(8):811–5

Effects on dihydrofolate reductase of methotrexate metabolites and intracellular folates formed following methotrexate exposure of human breast cancer cells. Drake JC, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2416–8

Effects of methotrexate and other antifolates on the growth and dihydrofolate reductase activity of Leishmania promastigotes. Scott DA, et al. **Biochem Pharmacol** 1987 Jun 15;36(12):2043–5

Augmentation of methotrexate cytotoxicity in human colon cancer cells achieved through inhibition of thymidine salvage by dipyridamole. Van Mouwerik TJ, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):809–14

Flow cytometric studies of methotrexate resistance in human squamous carcinoma cell cultures. Wright JE, et al. **Biochem Pharmacol** 1987 May 1;36(9):1561–4

Liposome-mediated delivery of pteridine antifolates to cells in vitro: potency of methotrexate, and its alpha and gamma substituents. Heath TD, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):72–80

The effects of ethanol methotrexate and diphenylhydantoin on [14C] leucine incorporation by human trophoblast cells cultured in vitro. Landon MJ, et al. **Br J Obstet Gynaecol** 1987 Mar;94(3):252–5

Studies on the mechanism by which indomethacin increases the anticancer effect of methotrexate. Bennett A, et al. **Br J Pharmacol** 1987 May;91(1):229–35

The role of methionine in methotrexate-sensitive and methotrexate-resistant mouse leukemia L1210 cells. Scanlon KJ, et al. **Cancer Chemother Pharmacol** 1987; 19(1):25–9

Inhibition of methionine uptake by methotrexate in mouse leukemia L1210 cells. Scanlon KJ, et al. **Cancer Chemother Pharmacol** 1987;19(1):21–4

Inhibition of methotrexate-induced differentiation of cultured human choriocarcinoma (BeWo) cells by thymidine. Burres NS, et al. **Cancer Res** 1987 Oct 1;47(19):5059–64

Differential modulation of human chorionic gonadotropin production by methotrexate in normal and malignant placental cultures and its increase by dibutyryl cyclic adenosine monophosphate and/or actinomycin D in normal cultures. Huot RI, et al. **Cancer Res** 1987 Jan 15;47(2):383–7

Cross-sensitivity of methylating agents, hydroxyurea, and methotrexate in human tumor cells of the Mer- phenotype. Maynard K, et al. **Cancer Res** 1986 Oct;46(10):5009–13

Acute and long-term effects of high-dose methotrexate treatment on homocysteine in plasma and urine. Refsum H, et al. **Cancer Res** 1986 Oct;46(10):5385–91

Development of an assay system for the detection and classification of methotrexate resistance in fresh human leukemic cells. Rodenhuis S, et al. **Cancer Res** 1986 Dec; 46(12 Pt 1):6513–9

Dihydrofolate reductase activity in adriamycin and methotrexate sensitive and resistant P388 leukemia cells. Mandelbaum-Shavit F, et al. **Cell Biol Int Rep** 1987 May; 11(5):389–96

Novel preparation of decylenediamine-dextran T70 and inhibitory activity toward dihydrofolate reductase of decylenediamine-dextran T70-methotrexate conjugate. Onishi H, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar; 35(3):1183–8

Preparation of dextran T70-methotrexate conjugate and dextran T70-mycophenolic acid conjugate, and in vitro effect of dextran T70-methotrexate on dihydrofolate reductase. Onishi H, et al. **Chem Pharm Bull (Tokyo)** 1986 Jun;34(6):2561–7

The effect of methotrexate on the bioavailability of oral 6-mercaptopurine. Balis FM, et al. **Clin Pharmacol Ther** 1987 Apr;41(4):384–7

Comparison of synchronized Chinese hamster ovary cells obtained by mitotic shake-off, hydroxyurea, aphidicolin, or methotrexate. Fox MH, et al. **Cytometry** 1987 May; 8(3):315–20

Chromosomal aberrations in early stages of development of methotrexate resistance in HeLa cells. Delinassios JG, et al. **Exp Cell Biol** 1987;55(2):69–73

Cellular regulation of poly ADP-ribosylation of proteins. II. Augmentation of poly(ADP-ribose) polymerase in SV40 3T3 cells following methotrexate-induced G1/S inhibition of cell cycle progression. Soóki-Tóth A, et al. **Exp Cell Res** 1987 May;170(1):93–102

The distribution of lipids and carbohydrates in normal and methotrexate (MTX)-treated mouse Mus musculus testes. Ramadan AA, et al. **Folia Morphol (Praha)** 1986; 34(4):363–71

Methotrexate-anticollagen conjugate inhibits in vitro lens cell outgrowth. Hansen TJ, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1206–9

Resistance of mammalian tumour cells to anticancer drugs: mechanisms and concepts relating specifically to methotrexate and vincristine. Hill BT. **J Antimicrob Chemother** 1986 Oct;18 Suppl B:61–73

Effect of methotrexate on intracellular folate pools in purified myeloid precursor cells from normal human bone marrow. Baram J, et al. **J Clin Invest** 1987 Mar;79(3):692–7

Methotrexate-induced changes in rat parotid and submandibular gland function. McBride RK, et al. **J Dent Res** 1987 Sep;66(9):1445–8

An improved selection procedure for the rescue of hybridomas. A comparative study of methotrexate versus aminopterin. Horenstein AL, et al. **J Immunol Methods** 1987 Apr 2;98(1):145–9

Comparison of the inhibitory effects of hydroxyurea, 5-fluorodeoxyuridine, 3,4-dihydroxybenzylamine, and methotrexate on human squamous cell carcinoma. FitzGerald GB, et al. **J Invest Dermatol** 1987 Jan; 88(1):66–70

Methotrexate inhibits the human C5a-induced skin response in patients with psoriasis. Ternowitz T, et al. **J Invest Dermatol** 1987 Aug;89(2):192–6

Effect of low dose methotrexate on neutrophil chemotaxis induced by leukotriene B4 and complement C5a. Suarez CR, et al. **J Rheumatol** 1987 Feb;14(1):9–11

Induction, by thymidylate stress, of genetic recombination as evidenced by deletion of a transferred genetic marker in mouse FM3A cells. Ayusawa D, et al. **Mol Cell Biol** 1986 Oct;6(10):3463–9

Transient inhibition of DNA synthesis results in increased dihydrofolate reductase synthesis and subsequent increased DNA content per cell. Johnston RN, et al. **Mol Cell Biol** 1986 Oct;6(10):3373–81

Carcinogen-mediated methotrexate resistance and dihydrofolate reductase amplification in Chinese hamster cells. Kleinberger T, et al. **Mol Cell Biol** 1986 Jun; 6(6):1958–64

Isolation of the amplified dihydrofolate reductase domain from methotrexate-resistant Chinese hamster ovary cells. Looney JE, et al. **Mol Cell Biol** 1987 Feb;7(2):569–77

Prevention by thymidine against toxicity and glucose uptake inhibition of methotrexate on cultured Ehrlich ascites tumour cells. Fung KP, et al. **Pharmacol Res Commun** 1986 Aug;18(8):759–67

Systemic resistance to methotrexate in transgenic mice carrying a mutant dihydrofolate reductase gene. Isola LM, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9621–5

Toxicity of folic acid analogs in cultured human cells: a microtiter assay for the analysis of drug competition. Roos DS, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4860–4

Methotrexate resistance in murine and human continuous tumour cell lines: an examination of the different mechanisms involved depending on the order of resistance expressed. Hill BT, et al. **Prog Clin Biol Res** 1986;223:21–34

Methotrexate increases glycogenolysis in the intact rat liver. de Oliveira MB, et al. **Res Commun Chem Pathol Pharmacol** 1986 Aug; 53(2):173–81

Expression of mouse dihydrofolate reductase gene confers methotrexate resistance in transgenic petunia plants. Eichholtz DA, et al. **Somatic Cell Mol Genet** 1987 Jan; 13(1):67–76

[Synergism of effect between phytohemagglutinin, interleukin 2 and methotrexate on the protidosynthetic activity of human lymphocytes (letter)] Ciaiolo C. **Minerva Med** 1987 Jul 15;78(13):941–2 **(Ita)**

[The metabolism of high-molecular-weight substances in cells and the effect of anticancer drugs] Kanamaru R, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):837–44 (Eng. Abstr.) **(Jpn)**

[Mechanisms of development of resistance to methotrexate in choriocarcinoma cells] Sakai K. **Hokkaido Igaku Zasshi** 1986 Sep;61(5):649–61 (Eng. Abstr.) **(Jpn)**

[The study of drug sensitivity on newly established three choriocarcinoma cell lines] Okayama Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan;39(1):17–23 (Eng. Abstr.) **(Jpn)**

[MTX resistant mechanisms in human choriocarcinoma cells] Sakai K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 May;39(5):807–14 (Eng. Abstr.) **(Jpn)**

[Mechanisms of resistance of anticancer drugs and trials for overcoming their resistance] Nobori T, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1460–7 (Eng. Abstr.) **(Jpn)**

[Mathematical modelling of the action of methotrexate on

the kinetics of B-lymphocyte proliferation during the primary response] Loginov AV, et al. **Farmakol Toksikol** 1987 Mar-Apr;50(2):58-70 (Eng. Abstr.) **(Rus)**

[Effect of methotrexate and actinomycin D on the frequency and ratio of early mitotic cells] Vaniurik..ina EA, et al. **Tsitol Genet** 1987 Mar-Apr;21(2):115-8 (Eng. Abstr.) **(Rus)**

POISONING

[Inadvertent intrathecal injection of a high dose of methotrexate. Proposal of a therapeutic plan apropos of a case] Leblanc T, et al. **Ann Pediatr (Paris)** 1987 Jun; 34(6):453-4 **(Fre)**

RADIATION EFFECTS

2,4-Diamino-6-pteridinecarboxaldehyde and an azobenzene derivative are produced by UV photodegradation of methotrexate. Chahidi C, et al. **Photochem Photobiol** 1986 Aug;44(2):231-3

THERAPEUTIC USE

Topical treatment of psoriatic skin with methotrexate cream: a clinical, pharmacokinetic, and histological study. Bjerring P, et al. **Acta Derm Venereol (Stockh)** 1986;66(6):515-9

Methotrexate treatment of psoriatic arthritis. Zachariae H, et al. **Acta Derm Venereol (Stockh)** 1987;67(3):270-3

Bleomycin, methotrexate and vincristine before irradiation of stage III and IV laryngeal and pharyngeal squamous cell carcinoma. A study initiated by the Danish Society of Head and Neck Cancer. Hansen HS, et al. **Acta Oncol** 1987 Jan-Feb;26(1):13-8

Nonsurgical therapy to preserve oviduct function in patients with tubal pregnancies. Ichinoe K, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):484-7

Methotrexate in rheumatoid arthritis. Health and Public Policy Committee, American College of Physicians. **Ann Intern Med** 1987 Sep;107(3):418-9

Primary sclerosing cholangitis and low-dose oral pulse methotrexate therapy. Clinical and histologic response. Kaplan MM, et al. **Ann Intern Med** 1987 Feb;106(2):231-5

Methotrexate in rheumatoid arthritis. Indications, contraindications, efficacy, and safety. Tugwell P, et al. **Ann Intern Med** 1987 Sep;107(3):358-66 (54 ref.)

The Nb rat transitional cell bladder carcinoma model: dose response to methotrexate and adriamycin. Drago JR, et al. **Anticancer Res** 1986 Sep-Oct;6(5):1019-20

Lack of association between HLA-DR2 and clinical response to methotrexate in patients with rheumatoid arthritis. Alarcón GS, et al. **Arthritis Rheum** 1987 Feb;30(2):218-20

Low-dose methotrexate compared with azathioprine in the treatment of rheumatoid arthritis. A twenty-four-week controlled clinical trial. Hamdy H, et al. **Arthritis Rheum** 1987 Apr;30(4):361-8

Treatment of dermatomyositis. Jacobs JC Jr. **Arthritis Rheum** 1977 Mar;20(2 Suppl):338-41

Immunologic studies of rheumatoid arthritis patients treated with methotrexate. Olsen NJ, et al. **Arthritis Rheum** 1987 May;30(5):481-8

FDA Arthritis Advisory Committee meeting: methotrexate; guidelines for the clinical evaluation of antiinflammatory drugs; DMSO in scleroderma. Paulus HE. **Arthritis Rheum** 1986 Oct;29(10):1289-90

Increase of dihydrofolate reductase in peripheral blood lymphocytes of rheumatoid arthritis patients treated with low-dose oral methotrexate. Rodenhuis S, et al. **Arthritis Rheum** 1987 Apr;30(4):369-74

Dose-related effects of methotrexate on purine and pyrimidine nucleotides and on cell-kinetic parameters in MOLT-4 malignant human T-lymphoblasts. Bökkerink JP, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3557-64

Sequence-, time- and dose-dependent synergism of methotrexate and 6-mercaptopurine in malignant human T-lymphoblasts [published erratum appears in Biochem Pharmacol 1987 Mar 1;36(1):781] Bökkerink JP, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3549-55

Methotrexate for intractable benign familial chronic pemphigus [letter] Fairris GM, et al. **Br J Dermatol** 1986 Nov;115(5):640

Flow cytometric quantification of T6-positive cells in psoriatic epidermis after PUVA and methotrexate therapy. Gommans JM, et al. **Br J Dermatol** 1987 May;116(5):661-6

Reduction of leukotriene B4-induced intraepidermal accumulation of polymorphonuclear leukocytes by methotrexate in psoriasis. Lammers AM, et al. **Br J Dermatol** 1987 May;116(5):667-71

Comparison of methotrexate with azathioprine or 6-mercaptopurine in refractory rheumatoid arthritis: a life-table analysis. Sambrook PN, et al. **Br J Rheumatol** 1986 Nov;25(4):372-5

The current status of methotrexate use in rheumatic diseases. Healey LA. **Bull Rheum Dis** 1986;36(4):1-10

Generation of drug-resistant variants in metastatic B16 mouse melanoma cell lines. Cillo C, et al. **Cancer Res** 1987 May 15;47(10):2604-8

In vivo synergy of vitamin K3 and methotrexate in tumor-bearing animals. Gold J. **Cancer Treat Rep** 1986 Dec;70(12):1433-5

Phase II trial of oral methotrexate and dipyridamole in colorectal carcinoma. Wadler S, et al. **Cancer Treat Rep** 1987 Sep;71(9):821-4

Evolution of acute lymphoblastic leukemia in mice treated with carrier-bound methotrexate and levamisole. Soriano L, et al. **Chemotherapy** 1987;33(2):123-8

Increased levels of urinary adenosine deaminase binding protein in children treated with cisplatin or methotrexate. Goren MP, et al. **Clin Chim Acta** 1986 Oct 31;160(2):157-61

Chemotherapy of progressive hairy-cell leukaemia. Cold S, et al. **Eur J Haematol** 1987 Mar;38(3):251-5

Treatment of ectopic pregnancy with methotrexate. Haans LC, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jan; 24(1):63-7

The problem of preventing testicular leukaemia [letter] Russo A, et al. **Eur J Pediatr** 1987 Mar;146(2):211-2

The medical treatment of unruptured ectopic pregnancy with methotrexate and citrovorum rescue: preliminary experience. Rodi IA, et al. **Fertil Steril** 1986 Nov; 46(5):811-3

Spinal fluid procoagulant activity in leukaemic patients treated with intrathecal methotrexate. Pagano L, et al. **Haematologia (Budap)** 1987;20(1):41-7

Intermittent central nervous system irradiation and intrathecal chemotherapy for central nervous system leukemia in children. Kim TH, et al. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1451-5

Central nervous system (CNS) prophylaxis in children with low risk acute lymphoblastic leukemia (ALL). Littman P, et al. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1443-9

Oral methotrexate therapy for chronic rheumatoid arthritis ulcerations. Espinoza LR, et al. **J Am Acad Dermatol** 1986 Sep;15(3):508-12

Low-dose methotrexate therapy for cutaneous vasculitis of rheumatoid arthritis. Upchurch KS, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 2):355-9

Adjuvant therapy of osteosarcoma [editorial] Bertino JR. **J Clin Oncol** 1987 Jun;5(6):831-2

Adjuvant methotrexate escalated to toxicity for resectable stage III and IV squamous head and neck carcinomas--a prospective, randomized study. Rentschler RE, et al. **J Clin Oncol** 1987 Feb;5(2):278-85

Influence of prednisolone and methotrexate on cellular and biochemical aspects of acute and chronic inflammation studied in subcutaneously implanted sponges in rats. Hay S, et al. **J Rheumatol** 1986 Dec;13(6):1007-13

Studies on the effect of D-penicillamine, gold thioglucose and methotrexate on streptococcal cell wall arthritis. Ridge SC, et al. **J Rheumatol** 1986 Oct;13(5):895-8

Conservative treatment of ectopic pregnancy by transvaginal aspiration under sonographic control and methotrexate injection [letter] Feichtinger W, et al. **Lancet** 1987 Feb 14; 1(8529):381-2

Methotrexate for relapse of metastatic non-seminomatous germ-cell tumours. Atkinson CH, et al. **Med Oncol Tumor Pharmacother** 1987;4(1):33-7

The effect of silyl substituted methotrexate in the treatment of experimental allergic encephalomyelitis in rats mediated by T-line cells. Przuntek H, et al. **Neuropharmacology** 1987 Feb-Mar;26(2-3):255-60

Slow-acting anti-rheumatic drug therapy for rheumatoid arthritis. Clegg DO, et al. **Nurse Pract** 1987 Mar;12(3):44, 49-52

Methotrexate in rheumatoid arthritis: an update. Miller DR, et al. **Pharmacotherapy** 1986 Jul-Aug;6(4):170-8 (77 ref.)

Combination methotrexate, PUVA and UVB therapy in the treatment of psoriasis. Bronner AK, et al. **Photodermatol** 1986 Aug;3(4):245-6

Cervical pregnancy--report of a case with unsuccessful treatment of methotrexate. Cheng YT, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Oct;85(10):1000-9

Marrow transplantation for leukemia and aplastic anemia: two controlled trials of a combination of methotrexate and cyclosporine v cyclosporine alone or methotrexate alone for prophylaxis of acute graft-v-host disease. Storb R, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2608-13

Engraftment of DLA-nonidentical bone marrow facilitated by recipient treatment with anti-class II monoclonal antibody and methotrexate. Deeg HJ, et al. **Transplantation** 1987 Sep;44(3):340-5

[Conservative therapy of intact ectopic pregnancy with methotrexate] Presl J. **Cesk Gynekol** 1987 May;52(4):324-6 **(Cze)**

[Compatibility and toxicity of methotrexate in the treatment of bone tumors] Pongracz N, et al. **Arzneimittelforschung** 1987 Apr;37(4):456-60 (Eng. Abstr.) **(Ger)**

[Methotrexate therapy of chronic polyarthritis] Rau R. **Dtsch Med Wochenschr** 1987 Jul 10;112(28-29):1142-7 (51 ref.) **(Ger)**

[Treatment with low-dose methotrexate in chronic polyarthritis. Review of the literature] Rau R. **Z Rheumatol** 1986 Nov-Dec;45(6):283-95 (Eng. Abstr.) **(Ger)**

[Methotrexate for rheumatoid arthritis (editorial)] Rozenbach TO, et al. **Harefuah** 1987 Jan 1;112(1):37-8 **(Heb)**

[Studies on the mechanisms of resistance to methotrexate--with special emphasis on the change of nucleotide pools] Nobori T, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 May;49(3):661-9 (Eng. Abstr.) **(Jpn)**

[In vivo 31P-NMR studies on energy metabolism and the effect of methotrexate in murine implanted osteosarcoma] Kato K. **Nippon Seikeigeka Gakkai Zasshi** 1986 Jul; 60(7):745-54 (Eng. Abstr.) **(Jpn)**

[Methotrexate in the treatment of rheumatoid arthritis] Agadzhanian GN, et al. **Ter Arkh** 1986;58(7):114-6 **(Rus)**

[Efficacy of methotrexate in the treatment of rheumatoid arthritis] Agadzhanian RN. **Ter Arkh** 1987;59(1):118-21 (4 ref.) **(Rus)**

TOXICITY

Enhancement of methotrexate cytotoxicity by uracil analogues that inhibit deoxyuridine triphosphate nucleotidohydrolase (dUTPase) activity. Beck WR, et al. **Adv Exp Med Biol** 1986;195 Pt B:97-104

Acute high-dose methotrexate neurotoxicity in the rat. Phillips PC, et al. **Ann Neurol** 1986 Nov;20(5):583-9

Enhancement of methotrexate nephrotoxicity after cisplatin therapy. Goren MP, et al. **Cancer** 1986 Dec 15; 58(12):2617-21

The reversal of effects of methotrexate on toxicity and glucose transport reduction by thymidine in Ehrlich ascites tumor bearing mice. Fung KP, et al. **Cancer Biochem Biophys** 1986 Oct;8(4):249-56

The effect of abolition of the endogenous corticosteroid rhythm on the circadian variation in methotrexate toxicity in the rat. English J, et al. **Cancer Chemother Pharmacol** 1987;19(4):287-90

Effects of intraventricular methotrexate on cerebrospinal fluid monoamine metabolites in rhesus monkeys. Johnston MV, et al. **Cancer Treat Rep** 1986 Oct;70(10):1205-9

The histopathological effect induced by methotrexate (MTX) on the testes of Mus musculus. Ramadan AA, et al. **Folia Morphol (Praha)** 1987;35(1):1-11

Effect of methotrexate (MTX) on the testicular proteins, DNA and RNA of Mus musculus. Ramadan AA, et al. **Folia Morphol (Praha)** 1986;34(3):314-21

Behaviour and fertility of albino Swiss mice after the administration of MTX. Ramadan AA, et al. **Folia Morphol (Praha)** 1986;34(3):322-30

Cytological study of normal and methotrexate (MTX)-treated testes of Mus musculus. Ramadan AA, et al. **Folia Morphol (Praha)** 1986;34(4):395-401

Alteration of methotrexate toxicity in rats by manipulation of dietary components. McAnena OJ, et al. **Gastroenterology** 1987 Feb;92(2):354-60

Effects of local irradiation and i.v. methotrexate on brain morphology in rabbits: early changes. Ludwig R, et al. **J Cancer Res Clin Oncol** 1987;113(3):235-40

A model of methotrexate encephalopathy: neurotransmitter and pathologic abnormalities. Silverstein FS, et al. **J Child Neurol** 1986 Oct;1(4):351-7

Protection of bone marrow transplant recipients from lethal doses of methotrexate by the generation of methotrexate-resistant bone marrow. Williams DA, et al. **J Exp Med** 1987 Jul 1;166(1):210-8

Reversibility of elemental liquid diet-enhanced methotrexate toxicity by refeeding with chow. Harvey LP, et al. **JPEN J Parenter Enteral Nutr** 1987 Mar-Apr;11(2):119-23

[Effect of folinic acid (leucovorin) on cytotoxic and cytogenetic effects of methotrexate] Pieńkowska K, et al. **Folia Med Cracov** 1986;27(3-4):239-44 (Eng. Abstr.) **(Pol)**

URINE

Urinary N-acetyl-beta-D-glucosaminidase and serum creatinine concentrations predict impaired excretion of methotrexate. Goren MP, et al. **J Clin Oncol** 1987 May; 5(5):804-10

METHOTRIMEPRAZINE

ADMINISTRATION & DOSAGE

Isotonic methotrimeprazine by continuous infusion in terminal cancer care [letter [published erratum appears in Lancet 1987 Feb 28;1(8531):522] Sykes NP, et al. **Lancet** 1987 Feb 14;1(8529):393-4

ADVERSE EFFECTS

Articular ossification after malignant neurolepsis. A case of schizophrenia treated with phenothiazines. Peylan J, et al. **Acta Orthop Scand** 1987 Jun;58(3):284-6

[Cholestatic hepatitis in a patient taking levomepromazine (letter)] Pierson H, et al. **Ann Gastroenterol Hepatol (Paris)** 1987 Mar-Apr;23(2):101 **(Fre)**

PHARMACODYNAMICS

Time-dependent influence of some sedating agents on basic haematological values in various artio- and perissodactylids. Pospíšil J, et al. **Comp Biochem Physiol [A]** 1986;85(2):305-8

The influence of chronic treatment with antidepressant neuroleptics on the central serotonin system. Antkiewicz-Michaluk L. **Pol J Pharmacol Pharm** 1986 Jul-Aug;38(4):359-70

THERAPEUTIC USE

Importance of oxidative polymorphism and levomepromazine treatment on the steady-state blood concentrations of clomipramine and its major metabolites. Balant-Gorgia AE, et al. **Eur J Clin Pharmacol** 1986;

31(4):449–55
[Methadone, clonidine and levomepromazine in the treatment of opiate abstinence syndrome: double-blind clinical trial in heroin-addicted patients admitted to a general hospital for organic pathology] Vilalta J, et al. **Med Clin (Barc)** 1987 May 2;88(17):674–6 (Eng. Abstr.) **(Spa)**

METHOXAMEDRIN see **METHOXAMINE**

METHOXAMINE

ANALYSIS

N-substituted trimethylsilylcarbamates as silylating and/or methoxime derivatizing reagents for gas chromatographic analysis. Knausz D, et al. **J Chromatogr** 1986 Sep 19; 365:183–90

PHARMACODYNAMICS

The effect of epinephrine versus methoxamine on regional myocardial blood flow and defibrillation rates following a prolonged cardiorespiratory arrest in a swine model. Brown CG, et al. **Am J Emerg Med** 1987 Sep;5(5):362–9
The effects of noradrenaline, B-HT 920, methoxamine, angiotensin II and vasopressin on mean circulatory filling pressure in conscious rats. Pang CC, et al. **Br J Pharmacol** 1986 Oct;89(2):389–94
The effect of alpha adrenergic manipulation on the 24 hour pattern of cortisol secretion in man. Al-Damluji S, et al. **Clin Endocrinol (Oxf)** 1987 Jan;26(1):61–6
Methoxamine versus epinephrine on regional cerebral blood flow during cardiopulmonary resuscitation. Brown CG, et al. **Crit Care Med** 1987 Jul;15(7):682–6
Pre- and postjunctional alpha-adrenoceptor-mediated effects of prazosin, methoxamine and 6-fluoronoradrenaline in blood-perfused canine skeletal muscle in situ. Kahan T, et al. **Eur J Pharmacol** 1987 Jan 6;133(1):9–20
Functional consequences and intracoronary localization of alpha-adrenergic stimulation of the canine coronary circulation. Maturi MF, et al. **J Am Coll Cardiol** 1986 Oct; 8(4):885–93
Developmental changes in the volumes, protein, and some electrolyte concentrations of male and female rat submandibular saliva secreted in response to methoxamine and pilocarpine. Abe K, et al. **J Dent Res** 1987 Mar; 66(3):745–50
Effects of alpha-adrenergic stimulation and beta-adrenergic blockade on azygos blood flow and splanchnic haemodynamics in patients with cirrhosis. Mastai R, et al. **J Hepatol** 1987 Feb;4(1):71–9
Investigation of the central and peripheral actions of clonidine and methoxamine using a new in vivo rat preparation. King KA, et al. **J Pharmacol Methods** 1987 Jul;17(4):283–95
Effects of the rise in aortic pressure on coronary flow reserve in dogs. Comparison between constriction of the descending thoracic aorta and injection of methoxamine. Ohtsuka S, et al. **Jpn Heart J** 1987 May;28(3):403–12
Accumulation of adenosine 3',5'-monophosphate in slices of rat cerebral cortex induced by alpha-adrenergic agonists. I. Responses to methoxamine and norepinephrine in adult and neonatal tissue. O'Brien DR, et al. **Mol Cell Biochem** 1987 Feb;73(2):117–28
The effects of some alpha-adrenoceptor antagonists on the responses of the canine saphenous vein to B-HT 933, UK-14304 and methoxamine. Rhodes KF, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Mar; 335(3):261–8
Muscarinic, alpha 1-adrenergic and peptidergic agonists stimulate phosphoinositide hydrolysis and regulate mucin secretion in rat submandibular gland cells. Fleming N, et al. **Pflugers Arch** 1987 Aug;409(4–5):416–21
[Effect of methaxamine on mitral valve insufficiency associated with hypertrophic obstructive cardiomyopathy, mitral valve prolapse and rheumatic disease] Kornacewicz-Jach Z. **Pol Tyg Lek** 1986 Jun 23–30; 41(25–26):812–6 (Eng. Abstr.) **(Pol)**

METHOXSALEN

In vitro dissolution rates of six 8-methoxypsoralen formulations. Stolk LM, et al. **Br J Dermatol** 1987 Jun; 116(6):813–21
Isolation and characterization of psoralen photoadducts to DNA and related model compounds. Cadet J, et al. **IARC Sci Publ** 1986;(70):247–51
Quantification of methoxsalen-DNA adducts with specific antibodies. Santella RM, et al. **IARC Sci Publ** 1986; (78):127–39
Certain singlet oxygen quenchers affect the photoreaction between 8-MOP and DNA. Bordin F, et al. **Photochem Photobiol** 1987 Aug;46(2):301–4
Photoadducts of 8-methoxypsoralen to cytosine in DNA. Calvin NM, et al. **Photochem Photobiol** 1987 Mar; 45(3):323–30
Photobinding of psoralens to bacterial macromolecules in situ and induction of genetic effects in a bacterial test system. Effects of singlet oxygen diagnostic aids D2O and DABCO. de Mol NJ, et al. **Photochem Photobiol** 1986 Dec; 44(6):747–55
Dark interaction and oxygen dependent photobinding between an aromatic tetrapeptide and DNA modified by 5-methoxypsoralen monoadducts. Morliere P, et al. **Photochem Photobiol** 1986 Oct;44(4):425–31

ADMINISTRATION & DOSAGE

Topical (bathwater) PUVA therapy. Gange RW, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):401–2
Comparative efficacy of two dosage forms of oral methoxsalen in psoralens plus ultraviolet A therapy of psoriasis. Lowe NJ, et al. **J Am Acad Dermatol** 1987 May; 16(5 Pt 1):994–8
Combination therapy of oral methoxypsoralen: photochemotherapy (PUVA) and an aromatic retinoid (etretinate, tigason) in the treatment of psoriasis. Thirumoorthy T, et al. **J Dermatol (Tokyo)** 1986 Apr; 13(2):132–6

ADVERSE EFFECTS

The clastogenic effect of 5-methoxypsoralen plus UV-A in human lymphocytes in vitro and its modification by the anticlastogen beta-aminoethylisothiouronium. Abel G, et al. **Hum Genet** 1987 Jun;76(2):181–5
Exanthematous drug reaction caused by 8-methoxypsoralen. Gisslén P, et al. **Photodermatol** 1986 Oct;3(5):308–9

ANALYSIS

Immunological detection and visualization of 8-methoxypsoralen-DNA photoadducts. Yang XY, et al. **Cancer Res** 1987 May 1;47(9):2451–5

BLOOD

8-Methoxypsoralen levels in blood [letter] Stolk LM, et al. **J Invest Dermatol** 1987 Sep;89(3):305–6
[Comparative study of plasma levels of 8-methoxypsoralen. Effect of the pharmaceutical formulation and of diet] Monfrecola G, et al. **G Ital Dermatol Venereol** 1986 Sep-Oct;121(5):327–30 (Eng. Abstr.) **(Ita)**

METABOLISM

Disposition of 8-methoxypsoralen in the rat. Induction of metabolism in vivo and in vitro and identification of urinary metabolites by thermospray mass spectrometry. Mays DC, et al. **Drug Metab Dispos** 1987 May-Jun;15(3):318–28

PHARMACODYNAMICS

Effects of methoxsalen on the metabolism of acetaminophen in humans. Amouyal G, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2349–52
The drug methoxsalen, a suicide substrate for cytochrome P-450, decreases the metabolic activation, and prevents the hepatotoxicity, of carbon tetrachloride in mice. Labbe G, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):907–14
Inactivation of human liver cytochrome P-450 by the drug methoxsalen and other psoralen derivatives. Tinel M, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):951–5
Influence of psoralen on NAT activity and melatonin levels in rat pineal gland during the daily period of darkness. Li K, et al. **Endocr Res** 1987;13(1):43–8
8-Methoxypsoralen inhibits lymphocyte proliferation in vitro in the absence of ultraviolet radiation. Cox GW, et al. **Int J Immunopharmacol** 1987;9(4):475–81
Alteration of lymphocyte functions by 8-methoxypsoralen and long-wave ultraviolet radiation. II. The effect of in vivo PUVA on IL-2 production. Okamoto H, et al. **J Invest Dermatol** 1987 Jul;89(1):24–6
5-Methoxypsoralen increases the plasma melatonin levels in humans. Souetre E, et al. **J Invest Dermatol** 1987 Aug; 89(2):152–5
Pre- or post-treatment with methoxsalen prevents the hepatotoxicity of acetaminophen in mice. Letteron P, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):559–67
Lethal and mutagenic effects of 8-methoxypsoralen-induced lesions on plasmid DNA. Paramio JM, et al. **Mutat Res** 1987 Jan;176(1):21–8
Mutagenesis by 8-methoxypsoralen plus near-UV treatment: analysis of specificity in the lacI gene of Escherichia coli. Yatagai F, et al. **Mutat Res** 1986 Dec;163(3):209–24
Syntheses of rRNA, 5.8S, 5S and tRNA are inhibited equally by 8-methoxypsoralen phototreatment of Tetrahymena thermophila. Nielsen PE. **Nucleic Acids Res** 1987 Feb 11; 15(3):921–32
The repair of psoralen monoadducts by the Escherichia coli UvrABC endonuclease. Yeung AT, et al. **Nucleic Acids Res** 1987 Jun 25;15(12):4957–71
Mutagenic and recombinogenic action of DNA monoadducts photoinduced by the bifunctional furocoumarin 8-methoxypsoralen in yeast (Saccharomyces cerevisiae). Averbeck D, et al. **Photochem Photobiol** 1987 Mar; 45(3):371–9
An action spectrum for lethal photosensitization of Candida albicans by 8-MOP after low-dose broad-band UV-A irradiation; an action spectrum for 8-MOP 4',5'-monoadducts. Baydoun SA, et al. **Photochem Photobiol** 1987 Aug;46(2):311–4

POISONING

Acute methoxsalen intoxication [letter] Ljunggren B, et al. **J Am Acad Dermatol** 1986 Sep;15(3):533

THERAPEUTIC USE

Anthralin minute entire skin treatment: a follow-up and comparison with methoxsalen plus ultraviolet light [letter] Duschet P, et al. **Arch Dermatol** 1987 Apr;123(4):428–9
[Testing the monooxygenase enzyme system of the liver using the antipyrine test in psoriasis patients] Akovbian VA, et al. **Vestn Dermatol Venerol** 1986;(9):38–41 (Eng. Abstr.) **(Rus)**

TOXICITY

5-Methoxypsoralen. **IARC Monogr Eval Carcinog Risk Chem Hum** 1986; 40:327–47
Genetic effects of DNA mono- and diadducts photoinduced by furocoumarins in eukaryotic cells. Averbeck D, et al. **IARC Sci Publ** 1986;(70):299–312
Chromosome damage induced in human lymphocytes by 5-methoxypsoralen and 8-methoxypsoralen plus UV-A. Abel G. **Mutat Res** 1987 Jan;190(1):63–8
Toxicity of 8-methoxypsoralen, 5-methoxypsoralen, 3-carbethoxypsoralen, or 5-methylisopsoralen with ultraviolet radiation in the hairless (HRA/Skh) mouse. Dunnick JK, et al. **Toxicol Appl Pharmacol** 1987 Jun 15; 89(1):73–80

METHOXYCHLOR

ANALYSIS

[Gas chromatographic method of determining the insecticide methoxychlor in water and plant tissues] Novitskiĭ VF. **Gig Sanit** 1986 Jul;(7):45–6 **(Rus)**

TOXICITY

Methoxychlor affects the decidual cell response of the uterus but not other progestational parameters in female rats. Cummings AM, et al. **Toxicol Appl Pharmacol** 1987 Sep 15;90(2):330–6
Effects of low subchronic doses of methoxychlor on the rat hypothalamic-pituitary reproductive axis. Goldman JM, et al. **Toxicol Appl Pharmacol** 1986 Dec;86(3):474–83

METHOXYDIMETHYLTRYPTAMINES see under **SEROTONIN**

METHOXYFLURANE

Electroretinogram as a possible monitor of anesthetic depth. Tashiro C, et al. **Graefes Arch Clin Exp Ophthalmol** 1986; 224(5):473–6

ADVERSE EFFECTS

Inversion of the uterus during methoxyflurane anaesthesia. BalaKrishna H, et al. **Can Anaesth Soc J** 1968 Jan; 15(1):34–6
Double-blind evaluation of metoclopramide (MK 745, Sinemet), trimethobenzamide (Tigan), and a placebo as postanaesthetic anti-emetics following methoxyflurane anaesthesia. Dobkin AB, et al. **Can Anaesth Soc J** 1968 Jan;15(1):80–91

BLOOD

In vivo mass spectrometric determination of organic compounds in blood with a membrane probe. Brodbelt JS, et al. **Anal Chem** 1987 Feb 1;59(3):454–8

METABOLISM

Identification of the enzymes catalyzing metabolism of methoxyflurane. Waskell L, et al. **Drug Metab Dispos** 1986 Nov-Dec;14(6):643–8

METHOXYHYDROXYMANDELIC ACID see **VANILMANDELIC ACID**

3-METHOXY-4-HYDROXYPHENYLETHANOL see under **CATECHOLS**

METHOXYHYDROXYPHENYLGLYCOL see under **GLYCOLS**

8-METHOXYPSORALEN see **METHOXSALEN**

METHOXYTRYPTAMINE see under **TRYPTAMINES**

METHYL N-BUTYL KETONE see under **KETONES**

METHYL CHLORIDE

ANALYSIS

[Gas chromatographic determination of methyl chloride accumulation in the adipose tissue of Rattus norvegicus L., forma albinos, Wistar] Apostol S, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan-Mar;90(1):111–3 (Eng. Abstr.) **(Rum)**

ANTAGONISTS & INHIBITORS

Inhibition of methyl chloride toxicity in male F-344 rats by the anti-inflammatory agent BW755C. Chellman GJ, et al. **Toxicol Appl Pharmacol** 1986 Sep 30;85(3):367–79

POISONING

[Protective role of dietary substances in halogen-derivative poisoning] Miroshnichenko EN. **Vrach Delo** 1987 May; (5):104–6 (Eng. Abstr.) **(Rus)**

TOXICITY

Methyl chloride.
IARC Monogr Eval Carcinog Risk Chem Hum 1986; 41:161–86

Role of epididymal inflammation in the induction of dominant lethal mutations in Fischer 344 rat sperm by methyl chloride. Chellman GJ, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8087–91

Inhibition of the acute toxicity of methyl chloride in male B6C3F1 mice by glutathione depletion. Chellman GJ, et al. **Toxicol Appl Pharmacol** 1986 Oct;86(1):93–104

Failure of fertilization as a cause of preimplantation loss induced by methyl chloride in Fischer 344 rats. Working PK, et al. **Toxicol Appl Pharmacol** 1986 Oct;86(1):124–30

METHYL CYANIDES see **ACETONITRILES**

METHYL ETHERS

ADVERSE EFFECTS

An industry-wide study of respiratory cancer in chemical workers exposed to chloromethyl ethers. Collingwood KW, et al. **JNCI** 1987 Jun;78(6):1127–36

Respiratory cancer among chloromethyl ether workers. Maher KV, et al. **JNCI** 1987 May;78(5):839–43

TOXICITY

Induction of nasal tumors in rats exposed to mixtures of hydrochloric acid (HCl) and formaldehyde (HCHO) by inhalation [letter] Krimsky MM.
Toxicol Appl Pharmacol 1986 Sep 15;85(2):295–6

METHYL-GAG see **MITOGUAZONE**

METHYL GREEN see under **ROSANILINE DYES**

METHYL MERCAPTOPHOS see under **INSECTICIDES, ORGANOTHIOPHOSPHATE**

METHYL MERCURY COMPOUNDS see **METHYLMERCURY COMPOUNDS**

METHYL MESILATE see **METHYL METHANESULFONATE**

METHYL METHANESULFONATE

Studies on in vitro S-methylation of naturally occurring thiol compounds with N-methyl-N-nitrosourea and methyl methanesulfonate. Trézl L, et al. **Environ Res** 1987 Aug; 43(2):417–26

ADMINISTRATION & DOSAGE

Induction of thymic lymphomas and squamous cell carcinomas following topic application of isopropyl methanesulfonate to female Hsd:(ICR)BR mice. Segal A, et al. **Cancer Res** 1987 Jul 1;47(13):3402–5

Effect of mode of administration of methyl methanesulfonate and triethylenemelamine on induction of unscheduled DNA synthesis in mouse germ cells. Sheu CW, et al. **Environ Mutagen** 1987;9(3):281–8

ANALOGS & DERIVATIVES

Formation of mixed disulfide adducts at cysteine-281 of the lactose repressor protein affects operator and inducer binding parameters. Daly TJ, et al. **Biochemistry** 1986 Sep 23;25(19):5468–74

Reactivity of small thiolate anions and cysteine-25 in papain toward methyl methanethiosulfonate. Roberts DD, et al. **Biochemistry** 1986 Sep 23;25(19):5595–601

Comparative studies of DNA cross-linking reactions following methylene dimethanesulphonate and its hydrolytic product, formaldehyde. O'Connor PM, et al. **Cancer Chemother Pharmacol** 1987;19(1):11–5

Phase I clinical trial of methylene dimethane sulfonate. Smith DB, et al. **Cancer Treat Rep** 1987 Sep;71(9):817–20

PHARMACODYNAMICS

Unique carcinogen enhancement of transformation phenotype displayed by cloned rat embryo fibroblast (CREF) cells treated with methyl methanesulfonate and infected with a specific host-range mutant of type 5 adenovirus. Hermo H Jr, et al. **Carcinogenesis** 1987 Jul; 8(7):967–75

Complementation of sensitivity to alkylating agents in Escherichia coli and Chinese hamster ovary cells by expression of a cloned bacterial DNA repair gene. Kataoka H, et al. **EMBO J** 1986 Dec 1;5(12):3195–200

MMS sensitivity of all amino acid-requiring mutants in aspergillus and its suppression by mutations in a single gene. Käfer E. **Genetics** 1987 Apr;115(4):671–6

Chemosensitization by monofunctional alkylating agents. Walling JM, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug; 12(8):1397–400

Xeroderma pigmentosum patients from Germany: repair capacity of 45 XP fibroblast strains of the Mannheim XP Collection as measured by colony-forming ability and unscheduled DNA synthesis following treatment with methyl methanesulfonate and N-methyl-N-nitrosourea. Thielmann HW, et al. **J Cancer Res Clin Oncol** 1986; 112(3):245–57

[Unscheduled DNA synthesis in human peripheral blood lymphocytes undergoing combined exposure to gamma irradiation and methylmethane sulfonate] Genter EI, et al. **Tsitologiia** 1986 Oct;28(10):1091–6 (Eng. Abstr.) **(Rus)**

TOXICITY

Relationships between the levels of binding to DNA and the carcinogenic potencies in rat nasal mucosa for three alkylating agents. Snyder CA, et al. **Cancer Lett** 1986 Nov; 33(2):175–81

Cytophotometric determination of unscheduled DNA synthesis. Bose KK, et al. **Cytometry** 1987 Mar;8(2):203–9

METHYL PARATHION see under **PARATHION**

METHYL VIOLET see **GENTIAN VIOLET**

METHYL VIOLOGEN see **PARAQUAT**

METHYLADENINE RECEPTORS see **RECEPTORS, PURINERGIC**

METHYLAMINES

Reactions of substituted arenediazonium chlorides with methylamine-formaldehyde premix revisited: reactivity and transformations of methylolamine intermediates and their biological significance. Kolar GF, et al.
Z Naturforsch [C] 1987 Jan-Feb;42(1-2):41–6

ANALYSIS

Trimethylamine: the substance mainly responsible for the fishy odor often associated with bacterial vaginosis. Brand JM, et al. **Obstet Gynecol** 1986 Nov;68(5):682–5

METABOLISM

The conformational changes of alpha 2-macroglobulin induced by methylamine or trypsin. Characterization by extrinsic and intrinsic spectroscopic probes. Larsson LJ, et al. **Biochem J** 1987 Apr 1;243(1):47–54

Concurrent generation of methylamine and nitrite during denitrosation of N-nitrosodimethylamine by rat liver microsomes. Keefer LK, et al. **Cancer Res** 1987 Jan 15; 47(2):447–52

Increase in human exposure to methylamine precursors of N-nitrosamines after eating fish. Zeisel SH, et al.
Cancer Res 1986 Dec;46(12 Pt 1):6136–8

Ammonium and methylammonium transport in Rhodobacter sphaeroides. Cordts ML, et al. **J Bacteriol** 1987 Apr; 169(4):1632–8

Feedback inhibition of ammonium (methylammonium) ion transport in Escherichia coli by glutamine and glutamine analogs. Jayakumar A, et al. **J Bacteriol** 1987 Feb; 169(2):553–7

The methylamine oxidizing system of Pseudomonas AM1 reconstituted with purified components. Fukumori Y, et al. **J Biochem (Tokyo)** 1987 Feb;101(2):441–5

The relative importance of N-oxidation and N-demethylation in the metabolism of trimethylamine in man. Al-Waiz M, et al. **Toxicology** 1987 Feb;43(2):117–21

The metabolism of 14C-labelled trimethylamine and its N-oxide in man. Al-Waiz M, et al. **Xenobiotica** 1987 May; 17(5):551–8

PHARMACODYNAMICS

Identification of 1H resonances from the bait region of human alpha 2-macroglobulin and effects of proteases and methylamine. Gettins P, et al. **Biochemistry** 1986 Sep 9; 25(18):5011–7

Methylamine does not inhibit rates of endogenous lipolysis in isolated myocardial cells from rat heart. Kryski A Jr, et al. **Can J Physiol Pharmacol** 1987 Feb;65(2):226–9

Effects of urea, trimethylamine oxide, and osmolality on respiration and citrulline synthesis by isolated hepatic mitochondria from Squalus acanthias. Anderson PM.
Comp Biochem Physiol [B] 1986;85(4):783–8

Disruption of intracellular processing of epidermal growth factor by methylamine inhibits epidermal growth factor-induced DNA synthesis but not early morphological or transcriptional events. Matrisian LM, et al.
J Biol Chem 1987 May 15;262(14):6908–13

Interaction between monensin and lysosomotropic amines in the regulation of the processing of epidermal growth factor by BALB/c 3T3 cells. Cooper JL, et al.
Mol Cell Biochem 1987 Jan;73(1):1–9

URINE

Isometheptene cross reacts in the EMIT amphetamine assay. Levine BS, et al. **Clin Chem** 1987 Jul;33(7):1264–5

Trimethylaminuria (fish-odour syndrome): an inborn error of oxidative metabolism [letter] Al-Waiz M, et al.
Lancet 1987 Mar 14;1(8533):634–5

METHYLARECAIDIN see **ARECOLINE**

METHYLATION

Undermethylation of structural gene sequences in extraembryonic lineages of the mouse. Rossant J, et al.
Dev Biol 1986 Oct;117(2):567–73

Naturally occurring methylation inhibitor: DNA hypomethylation and hemoglobin synthesis in human K562 cells. Lyon SB, et al. **Mol Cell Biol** 1987 May;7(5):1759–63

Genomic imprinting determines methylation of parental alleles in transgenic mice. Reik W, et al. **Nature** 1987 Jul 16–22;328(6127):248–51

Degree of methylation of transgenes is dependent on gamete of origin. Sapienza C, et al. **Nature** 1987 Jul 16–22; 328(6127):251–4

METHYLAZOXYMETHANOL ACETATE see under **AZO COMPOUNDS**

METHYLCELLULOSE

Osteoblastlike cells in a serum-free methylcellulose medium form colonies: effects of insulin and insulinlike growth factor I. Ernst M, et al. **Calcif Tissue Int** 1987 Jan; 40(1):27–34

Methylcellulose as a vehicle for intraocular agents in infectious endophthalmitis [letter] Lima AH, et al.
Ophthalmic Surg 1987 May;18(5):399

[The improvement of solubility behavior of problem drugs. 14. Effect of properties of methylcellulose-coprecipitates on solubility] Fahr F, et al. **Pharmazie** 1987 Apr;42(4):275 **(Ger)**

ANALOGS & DERIVATIVES

Comparing Moi-Stir to lemon-glycerin swabs. Poland JM, et al. **Am J Nurs** 1987 Apr;87(4):422, 424

The use of hydroxypropyl methylcellulose in extracapsular cataract extraction with intraocular lens implantation. Liesegang TJ, et al. **Am J Ophthalmol** 1986 Dec 15; 102(6):723–6

The use of hydroxypropyl methylcellulose in extracapsular cataract extraction with intraocular lens implantation [letter] Rosen E. **Am J Ophthalmol** 1987 May 15; 103(5):727–8

Ranking of prophylactic efficacy of poly(ICLC) against Rift Valley fever virus infection in mice by incremental relative risk of death. Kende M, et al.
Antimicrob Agents Chemother 1987 Aug;31(8):1194–8

Prophylaxis of Rift Valley fever with antiviral drugs, immune serum, an interferon inducer, and a macrophage activator. Peters CJ, et al. **Antiviral Res** 1986 Aug;6(5):285–97

Evaluation of polyinosinic-polycytidylic and poly-L-lysine in metastatic breast cancer. Theriault RL, et al.
Cancer Treat Rep 1986 Nov;70(11):1341–2

Allergic contact dermatitis from Stomadhesive paste. Heskel NS. **Contact Dermatitis** 1987 Mar;16(3):119–21

The fate of ultra-low viscosity 14C-hydroxypropyl methylcellulose in rats following gavage administration. Gorzinski SJ, et al. **Drug Chem Toxicol** 1986;9(2):83–100

Is 2% hydroxypropylmethylcellulose a safe solution for intraoperative clinical applications? Rosen ES, et al.
J Cataract Refract Surg 1986 Nov;12(6):679–84

Immunotherapy of metastatic renal cell carcinoma with polyinosinic-polycytidylic acid. Droller MJ. **J Urol** 1987 Feb;137(2):202–6

ANALYSIS

Action of methylcellulose on disintegration and dissolution properties of tablets. Wan LS, et al.
Chem Pharm Bull (Tokyo) 1986 Oct;34(10):4294–300

PHARMACODYNAMICS

Electron microscopic study of the methylcellulose-mediated detachment of cellulolytic rumen bacteria from cellulose fibers. Kudo H, et al. **Can J Microbiol** 1987 Mar; 33(3):267–72

METHYLCEPHAELINE see **EMETINE**

METHYLCHOLANTHRENE

High frequency of c-K-ras activation in 3-methylcholanthrene-induced mouse thymomas. Eva A, et al. **Carcinogenesis** 1986 Nov;7(11):1931–3

Activation of H-ras oncogene in 3-methylcholanthrene-transformed human cell line. Rhim JS, et al. **Carcinogenesis** 1987 Aug;8(8):1165–7

The immune basis of dosage-induced reversal of the rank-order of strain susceptibility to MCA. Prehn LM, et al. **Int J Cancer** 1987 Feb 15;39(2):240–3

Genetically determined resistance to 3-methylcholanthrene-induced lymphoma is expressed at the level of bone marrow-derived cells. Ishizaka ST, et al. **J Exp Med** 1987 Aug 1;166(2):565–70

ANALOGS & DERIVATIVES

Selenium inhibition of benzo[a]pyrene, 3-methylcholanthrene, and 3-methylcholanthrylene mutagenicity in Salmonella typhimurium strains TA98 and TA100. Prasanna P, et al. **Mutat Res** 1987 Feb;190(2):101–5

ANTAGONISTS & INHIBITORS

Selenium inhibition of benzo[a]pyrene, 3-methylcholanthrene, and 3-methylcholanthrylene mutagenicity in Salmonella typhimurium strains TA98 and TA100. Prasanna P, et al. **Mutat Res** 1987 Feb;190(2):101-5

METABOLISM

Strain-dependent differences in the metabolism of 3-methylcholanthrene by maternal, placental, and fetal tissues of C57BL/6J and DBA/2J mice. George JD, et al. **Cancer Res** 1986 Nov;46(11):5671-5

Ah receptor in human placenta: stabilization by molybdate and characterization of binding of 2,3,7,8-tetrachlorodibenzo-p-dioxin, 3-methylcholanthrene, and benzo(a)pyrene. Manchester DK, et al. **Cancer Res** 1987 Sep 15;47(18):4861-8

PHARMACODYNAMICS

Effect of 3-methylcholanthrene on the protein composition of heterogeneous nuclear ribonucleoprotein particles in developing rat liver. Tomcsányi T, et al. **Acta Biochim Biophys Hung** 1986;21(1-2):53-8

H-2 modulation of aryl hydrocarbon hydroxylase induction and the mutagenicity of benzo(a)pyrene after 3-methylcholanthrene treatment. Brooks BA, et al. **Adv Exp Med Biol** 1986;197:797-807

Effect of suicide substrate on the metabolism of steroids and xenobiotics and on cytochrome P-450 apoproteins. Tephly TR, et al. **Adv Exp Med Biol** 1986;197:243-51

Characterization of hepatic and pulmonary cytochromes P-450 in 3-methylcholanthrene-treated hamsters. Watanabe M, et al. **Arch Toxicol** 1987;60(1-3):52-8

Purification and characterization of a form of cytochrome P-450 with high specificity for aflatoxin B1 from 3-methylcholanthrene-treated hamster liver. Mizokami K, et al. **Biochem Biophys Res Commun** 1986 Sep 14; 139(2):466-72

Evidence for cytochrome P450-mediated oxidation of uroporphyrinogen by cell-free liver extracts from chick embryos treated with 3-methylcholanthrene. Sinclair P, et al. **Biochem Biophys Res Commun** 1987 Aug 14; 146(3):1324-9

Metabolism of alkoxyphenoxazones by channel catfish liver microsomes: effects of phenobarbital, Aroclor 1254 and 3-methylcholanthrene. Ankley GT, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1379-81

Testosterone metabolite profiles reveal differences in the spectrum of cytochrome P-450 isozymes induced by phenobarbitone, 2-acetylaminofluorene and 3-methylcholanthrene in the chick embryo liver. Darby NJ, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):4073-6

Methylcholanthrene: a possible pseudosubstrate for adrenocortical 17 alpha-hydroxylase and aryl hydrocarbon hydroxylase. Hornsby PJ, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3209-19

Structural comparison of monoclonal antibody immunopurified pulmonary and hepatic cytochrome P-450 from 3-methylcholanthrene-treated rats. Robinson RC, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3827-30

Total cytochrome P-450, but not the major phenobarbitone or 3-methylcholanthrene induced isoenzyme, is differentially induced in the lobes of the rat liver. Sumner IG, et al. **Biochem Pharmacol** 1987 Feb 1;36(3):391-3

Correlation of thyroid hormone dose-dependent regulation of K-ras protooncogene expression with oncogene activation by 3-methylcholanthrene: loss of thyroidal regulation in the transformed mouse cell. Guernsey DL, et al. **Cancer Res** 1987 Jun 15;47(12):3052-6

Immunological identification and effects of 3-methylcholanthrene and phenobarbital on rat pulmonary cytochrome P-450. Keith IM, et al. **Cancer Res** 1987 Apr 1;47(7):1878-82

Dibenz [a,j]acridine: distributions of metabolites formed by liver and lung microsomes from control and pretreated rats. Gill JH, et al. **Carcinogenesis** 1987 Mar;8(3):425-31

Ultrastructural and immunohistochemical studies on steroid-secreting cells of testis and ovary of normal and 3-methylcholanthrene-treated mice. Ishimura K, et al. **Cell Tissue Res** 1986;245(3):681-3

Effect of phenobarbital and 3-methylcholanthrene on aldehyde dehydrogenase activity in cultures of HepG2 cells and normal human hepatocytes. Marselos M, et al. **Chem Biol Interact** 1987;62(1):75-88

In vivo and in vitro biotransformation of theobromine by phenobarbital- and 3-methylcholanthrene-inducible cytochrome P-450 monooxygenases in rat liver. Role of thiol compounds. Shively CA, et al. **Drug Metab Dispos** 1987 Mar-Apr;15(2):217-24

Structure and drug inducibility of the human cytochrome P-450c gene. Kawajiri K, et al. **Eur J Biochem** 1986 Sep 1;159(2):219-25

Effects of administration of metabolic inducers and inhibitors on pulmonary toxicity and covalent binding by 1,1-dichloroethylene in CD-1 mice. Forkert PG, et al. **Exp Mol Pathol** 1986 Aug;45(1):44-58

Fasciola hepatica: liver enzymes in rats and interaction with chemical inducers. Galtier P, et al. **Exp Parasitol** 1987 Apr; 63(2):189-94

Restoration of hydroperoxide-dependent lipid peroxidation by 3-methylcholanthrene induction of cytochrome P-448 in hepatoma microsomes. Borrello S, et al. **FEBS Lett** 1986 Dec 15;209(2):305-10

Immunoquantitation of cytochrome b5 and methylcholanthrene-induced cytochromes P-450. Shires TK, et al. **Fed Proc** 1987 Jun;46(8):2567-74 (23 ref.)

Pulmonary microsomal cytochrome P-450 from 3-methylcholanthrene-treated hamsters: purification, characterization, and metabolism of benzo(a)pyrene. Sagami I, et al. **J Biochem (Tokyo)** 1986 Aug;100(2):449-57

Cloning and characterization of cDNA encoding 3-methylcholanthrene inducible rat mRNA for UDP-glucuronosyltransferase. Iyanagi T, et al. **J Biol Chem** 1986 Nov 25;261(33):15607-14

Rat testosterone 7 alpha-hydroxylase. Isolation, sequence, and expression of cDNA and its developmental regulation and induction by 3-methylcholanthrene. Nagata K, et al. **J Biol Chem** 1987 Feb 25;262(6):2787-93

The effect of 3-methylcholanthrene on postlanosterol cholesterol biosynthetic pathways in mouse skin. Kayata Y, et al. **Jpn J Cancer Res** 1987 Jul;78(7):663-9

Defective induction of phenol glucuronidation by 3-methylcholanthrene in Gunn rats is due to the absence of a specific UDP-glucuronosyltransferase isoenzyme. Coughtrie MW, et al. **Mol Pharmacol** 1987 Jun;31(6):585-91

Characterization of xenobiotic responsive elements upstream from the drug-metabolizing cytochrome P-450c gene: a similarity to glucocorticoid regulatory elements. Fujisawa-Sehara A, et al. **Nucleic Acids Res** 1987 May 26;15(10):4179-91

Localization of phenobarbital- and 3-methylcholanthrene-inducible cytochromes P-450 in mouse lung with monoclonal antibodies. Forkert PG, et al. **Res Commun Chem Pathol Pharmacol** 1986 Aug; 53(2):147-57

Effect of liver enzyme inducers on metabolite excretion in rats treated with 1-nitropyrene. Belisario MA, et al. **Toxicol Lett** 1987 May;36(3):233-41

The 3-methylcholanthrene-mimetic effect of 4,4'-dichlorobiphenyl-treatment on phenacetin-induced hepatic glutathione depletion and liver microsomal phenacetin O-deethylation in rats. van Bree L, et al. **Toxicology** 1986 Dec 15;42(2-3):259-74

Induction of liver microsomal epoxide hydrolase, UDP-glucuronyl transferase and cytosolic glutathione transferase in different rodent species by 2-acetylaminofluorene or 3-methylcholanthrene. Aström A, et al. **Xenobiotica** 1987 Feb;17(2):155-63

Difference in the effects of phenobarbital and 3-methylcholanthrene treatment on subunit composition of hepatic glutathione S-transferase in male and female rats. Igarashi T, et al. **Xenobiotica** 1987 Feb;17(2):127-37

[Comparison of peptide maps and functional properties of monooxygenases induced by 3-methylcholanthrene and beta-naphthoflavone] Chasovnikova OB, et al. **Biokhimiia** 1986 Aug;51(8):1377-83 (Eng. Abstr.) **(Rus)**

[Induction of the monooxygenase system and the transport of xenobiotics in the kidney] Berkhin EB, et al. **Fiziol Zh SSSR** 1987 May;73(5):685-8 (Eng. Abstr.) **(Rus)**

TOXICITY

The effect of cell passage on the susceptibility of BALB/3T3 clone A31-1-1 cells to 3-methylcholanthrene-induced morphological transformation. Sheu CW, et al. **Environ Mutagen** 1987;9(1):59-67

Glutaraldehyde-fixed transformed and non-transformed cells induce contact-dependent inhibition of growth in non-transformed C3H/10T1/2 mouse fibroblasts, but not in 3-methylcholanthrene-transformed cells. Oesch F, et al. **Eur J Cell Biol** 1987 Jun;43(3):403-7

[Comparative analysis of the sensitivity to natural killers and macrophages of 3-methylcholanthrene-induced tumors in mice] Viksler VKh, et al. **Eksp Onkol** 1986;8(6):36-40 (Eng. Abstr.) **(Rus)**

METHYLDIMETHYLAMINOAZOBENZENE see under **DIMETHYLAMINOAZOBENZENE**

METHYLDIPHENYLHYDRAMINE see **ORPHENADRINE**

METHYLDOPA

ADMINISTRATION & DOSAGE

alpha-Methyldopa for climacteric hot flushes. A double-blind, randomized, cross-over study. Andersen O, et al. **Acta Obstet Gynecol Scand** 1986;65(5):405-9

ADVERSE EFFECTS

Black tongue secondary to methyldopa therapy. Brody HJ, et al. **Cutis** 1986 Sep;38(3):187-8

Pustular eruptions following administration of cefazolin: a possible interaction with methyldopa [letter] Stough D, et al. **J Am Acad Dermatol** 1987 May;16(5 Pt 1):1051-2

Cholestatic jaundice associated with methyldopa. Rao KV. **Minn Med** 1986 Dec;69(12):720-1

Second-degree atrioventricular block and alpha-methyldopa: a probable connection. Cregler LL, et al. **Mt Sinai J Med (NY)** 1987 Feb;54(2):168-70

Blood group specificity of an autohemagglutinin induced by alpha-methyldopa therapy. Itoh Y, et al. **Nippon Hoigaku Zasshi** 1986 Feb;40(1):30-4

Methyldopa-induced connective tissue disorder. Power MJ, et al. **Ulster Med J** 1986 Oct;55(2):172-4

[Unilateral pleural effusion: first manifestation of cirrhosis induced by alpha-methyldopa (letter)] Humbert P, et al. **Gastroenterol Clin Biol** 1987 Jun-Jul;11(6-7):519-20 **(Fre)**

ANALOGS & DERIVATIVES

Suppression and potentiation of 5-hydroxytryptophan-induced hypoglycaemia by alpha-monofluoromethyldopa: correlation with the accumulation of 5-hydroxytryptamine in the liver. Endo Y. **Br J Pharmacol** 1987 Jan;90(1):161-5

Effect of monofluoromethyldopa (MFMD) on trace amine levels. Dyck LE. **Life Sci** 1987 Feb 9;40(6):571-5

BLOOD

Effect of alpha-methyldopa excreted in human milk on the breast-fed infant. Hauser GJ, et al. **Helv Paediatr Acta** 1985 Apr;40(1):83-6

METABOLISM

The effect of pH and concentration on alpha-methyldopa absorption in man. Merfeld AE, et al. **J Pharm Pharmacol** 1986 Nov;38(11):815-22

Intestinal absorption of alpha-methyldopa: in vitro mechanistic studies in rat small intestinal segments. Osiecka I, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):443-9

PHARMACODYNAMICS

Effect of alpha-methyldopa administration during pregnancy on the development of a child's sleep. Shimohira M, et al. **Brain Dev** 1986;8(4):416-23

Cardiovascular role of A1 catecholaminergic neurons in the rabbit. Effect of chronic lesions on responses to methyldopa, clonidine and 6-OHDA induced transmitter release. Head GA, et al. **Brain Res** 1987 May 26; 412(1):18-28

Baroreflex sensitivity alteration following transient hemispheric ischaemia in rats: protective effect of alphamethyldopa and guanfacine. Saad MA, et al. **Clin Exp Pharmacol Physiol** 1986 Jul;13(7):525-34

Molecular localization, developmental expression and nucleotide sequence of the alpha-methyldopa hypersensitive gene of Drosophila. Marsh JL, et al. **Genetics** 1986 Oct;114(2):453-67

Antibacterial property of methyl-DOPA & development of antibiotic cross-resistances in m-DOPA mutants. Dastidar SG, et al. **Indian J Med Res** 1986 Aug;84:142-7

Mechanism of the tachycardia following systemic alpha-methyldopa administration in conscious rats. van der Maas ML, et al. **J Cardiovasc Pharmacol** 1986 Sep-Oct; 8(5):1014-9

[Effects of alpha-methyldopa on systolic pressure and activities of tyrosine hydroxylase, dopamine-beta-hydroxylase and phenethanolamine-N-methyl-transferase in nervous system of spontaneously hypertensive rats] Ming L, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Dec;6(4):244-8 (Eng. Abstr.) **(Chi)**

[Reversal of the cardiovascular effects of clonidine by alphamethyldopa] Palop R, et al. **Rev Esp Cardiol** 1986 Nov-Dec;39(6):446-51 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Comparative evaluation of captopril and methyldopa monotherapy for hypertension: double-blind study in Indians. Tahiliani R, et al. **Clin Ther** 1986;8(5):482-9

Treatment of hypertension in pregnancy with methyldopa: a randomized double blind study. Weitz C, et al. **Int J Gynaecol Obstet** 1987 Feb;25(1):35-40

Sympathetic inhibition with methyldopa in heart failure. Kirlin PC, et al. **J Cardiovasc Pharmacol** 1986 Sep-Oct; 8(5):1092-100

Ketanserin compared to nifedipine and methyldopa in patients aged above 50 years: two international multicentre studies. For the International Study Group. Janssens M, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S115-8

[Effectiveness of alpha-methyldopa in complex ventricular extrasystole by inhibition of central sympathetic activity] Brugger P. **Z Kardiol** 1987 Mar;76(3):175-9 (Eng. Abstr.) **(Ger)**

[Therapy of arterial hypertension in the elderly] Abate G, et al. **Cardiologia** 1986 Dec;31(12):1131-5 **(Ita)**

[Aspecific bronchial reactivity during pharmacologic treatment of arterial hypertension] Bianco C, et al. **Minerva Med** 1987 Mar 15;78(5):329-32 (Eng. Abstr.) **(Ita)**

[Evaluation of the effectiveness and tolerance of dihydroergotoxine and alpha methyldopa in the therapy of arterial hypertension in the elderly with senile cerebral insufficiency] Bergamasco B, et al. **Recenti Prog Med** 1987 Apr;78(4):166-70 (Eng. Abstr.) **(Ita)**

[Alphamethyldopa vs. atenolol in the treatment of arterial hypertension] Magalhães LB, et al. **Arq Bras Cardiol** 1986 Jun;46(6):431-6 (Eng. Abstr.) **(Por)**

TOXICITY

Reproductive toxicology of methyldopa in male F344/N rats.

Dunnick JK, et al. **Toxicology** 1986 Nov;41(3):305–18

METHYLDOPAHYDRAZINE see **CARBIDOPA**

METHYLDOPATE see **METHYLDOPA**

METHYLENE BLUE

Spurious pulse oximeter desaturation with methylene blue injection [published erratum appears in Anesthesiology 1987 May;66(5):701] Kessler MR, et al. **Anesthesiology** 1986 Oct;65(4):435–6

Value of in vivo mucosa-staining test with methylene blue in the diagnosis of pretumoral and tumoral lesions of the bladder. Vicente J, et al. **Eur Urol** 1987;13(1–2):15–6

The addition of tobramycin to contrast bone cement. Effect on flexural strength. Bargar WL, et al. **J Arthroplasty** 1986; 1(3):165–8

Investigation of power absorption by methylene blue in a light scattering medium with an internal photodynamic actinometer. Grossweiner LI, et al. **Photochem Photobiol** 1987 May;45(5):617–24

ADMINISTRATION & DOSAGE

Use of oxidizing dyes in combination with 2-cyanocinnamic acid to enhance hyperthermic cytotoxicity in L929 cells. Wang H, et al. **Cancer Res** 1987 Jul 1;47(13):3341–3

ADVERSE EFFECTS

Methylene-blue-induced hemolytic anemia in a neonate. Vincer MJ, et al. **Can Med Assoc J** 1987 Mar 1;136(5):503–4

[Severe complications following the intrathecal administration of a methylene blue solution] Steiner HH, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Dec; 65(12):699–701 (Eng. Abstr.) **(Ger)**

[Ulcero-necrotic dermatitis caused by methylene blue: 5th case] Bleidl D, et al. **Minerva Pediatr** 1987 Apr 30; 39(8):347–9 (Eng. Abstr.) **(Ita)**

BLOOD

Relationship between methaemoglobin production and methylene blue plasma concentrations under general anaesthesia [published erratum appears in Anaesth Intensive Care 1987 Feb;15(1):122] Lamont AS, et al. **Anaesth Intensive Care** 1986 Nov;14(4):360–4

DIAGNOSTIC USE

A technical aid to tissue expansion. Dickson MG, et al. **Br J Plast Surg** 1987 May;40(3):305

Vital staining in bronchology [letter] Frizzelli R, et al. **Endoscopy** 1987 Mar;19(2):88

Early detection and treatment of a leaking gastrojejunostomy following gastric bypass. Ovnat A, et al. **Isr J Med Sci** 1986 Jul–Aug;22(7–8):556–8

Sinography and methylene blue. Ayres M, et al. **J Am Podiatr Med Assoc** 1987 Jul;77(7):343–6

Methylene blue infusion for intraoperative identification of the parathyroid glands. Gavilán J, et al. **Laryngoscope** 1986 Dec;96(12):1389–90

Methylene blue: a simple adjunct to aid in soft-tissue expansion. Goldstein RD, et al. **Plast Reconstr Surg** 1987 Sep;80(3):452

[Methylene blue disclosing G6PD deficiency in a newborn infant (letter)] Dupont D, et al. **Arch Fr Pediatr** 1987 May; 44(5):398 **(Fre)**

[Intracavitary methylene blue dye in the diagnosis of dysplasias and tumors of the urinary bladder] Richter A, et al. **Z Urol Nephrol** 1987 May;80(5):263–5 (Eng. Abstr.) **(Ger)**

[Giemsa and eosin y-methylene blue for staining eosinophilic leukocytes in sputum or nasal secretions] Saygun N, et al. **Mikrobiyol Bul** 1986 Apr;20(2):101–4 (Eng. Abstr.) **(Tur)**

PHARMACODYNAMICS

An autoantibody with potent antithrombin activity whose action could be inhibited by toluidine blue or methylene blue. Shojania AM, et al. **Am J Hematol** 1987 Feb; 24(2):207–14

The effect of toluidine blue and methylene blue in immunochemical reactions in vitro. Shojania AM, et al. **Clin Immunol Immunopathol** 1987 May;43(2):223–8

Inverse modulation of extracellular Na+- and K+-activities by ascorbate or methylene blue. Puppi A, et al. **Gen Physiol Biophys** 1986 Apr;5(2):187–91

Modulation of guanylate cyclase by lipoxygenase inhibitors. Clark DL, et al. **Hypertension** 1986 Oct;8(10):947–50

Effect of methylene blue on cardiac output response to exercise in dogs. Imai N, et al. **J Appl Physiol** 1986 Dec; 61(6):2012–7

Involvement of endogenous noradrenaline release in methylene blue-induced contraction of isolated rabbit aorta. Matsuoka I, et al. **Jpn J Pharmacol** 1987 May; 44(1):23–33

THERAPEUTIC USE

A controlled trial of methylene blue in severe depressive illness. Naylor GJ, et al. **Biol Psychiatry** 1987 May; 22(5):657–9

Photochemotherapy of animal tumors with the photosensitizer methylene blue using a krypton laser. König K, et al. **J Cancer Res Clin Oncol** 1987;113(3):301–3

Urinary mucoprotein in pediatric urolithiasis. Singhal GD, et al. **J Pediatr Surg** 1987 Mar;22(3):218–22

URINE

Methylene blue: a reliable and practical marker for validating compliance on the DST. Kraus RP, et al. **J Clin Psychiatry** 1987 Jun;48(6):224–9

METHYLENE CHLORIDE see under **HYDROCARBONS, CHLORINATED**

METHYLENEBIS(CHLOROANILINE) see under **BENZHYDRYL COMPOUNDS**

3,4-METHYLENEDIOXYAMPHETAMINE see under **AMPHETAMINES**

METHYLENESULFONATES see **METHANESULFONATES**

METHYLENETETRAHYDROFOLATE DEHYDROGENASE see under **OXIDOREDUCTASES**

METHYLERGOBASIN see **METHYLERGONOVINE**

METHYLERGOMETRIN see **METHYLERGONOVINE**

METHYLERGONOVINE

ADVERSE EFFECTS

[Methylergometrine in early puerperium. Comparative research on its effects at the uterine level and on lactation] Malanetto C, et al. **Minerva Ginecol** 1986 Sep;38(9):707–27 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

[Provocation tests in coronary artery spasm] Bory M. **Presse Med** 1987 Jan 31;16(3):99–102 **(Fre)**

[Esophageal angina: detection by esophageal manometry with the methylergometrin maleate test] Ducloux G, et al. **Rev Med Interne** 1987 Jan–Feb;8(1):13–20 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Methylergonovine maleate: a proposal for its more specific use. Borri P, et al. **Biol Res Pregnancy Perinatol** 1986; 7(3):128–30

METHYLGALACTOSIDES see under **METHYLGLYCOSIDES**

METHYLGLUCAMINE DIATRIZOATE see **DIATRIZOATE MEGLUMINE**

METHYLGLUCOSIDES see under **METHYLGLYCOSIDES**

METHYLGLYCINE see under **GLYCINE**

METHYLGLYCOSIDES

ANALYSIS

Primary structure of a low-molecular-mass N-linked oligosaccharide from hemocyanin of Lymnaea stagnalis. 3-O-methyl-D-mannose as a constituent of the xylose-containing core structure in an animal glycoprotein. Van Kuik JA, et al. **Eur J Biochem** 1986 Nov 3;160(3):621–5

BLOOD

Comparison of the equilibrium exchange of nucleosides and 3-O-methylglucose in human erythrocytes and of the effects of cytochalasin B, phloretin and dipyridamole on their transport. Plagemann PG, et al. **Biochim Biophys Acta** 1987 May 29;899(2):295–301

CHEMICAL SYNTHESIS

Synthesis of methyl 2-O-alpha-D-mannopyranosyl-alpha-D-talopyranoside and methyl 2-O-alpha-D-talopyranosyl-alpha-D-talopyranoside. Jain RK, et al. **Carbohydr Res** 1987 Mar 15;161(1):31–7

A facile synthesis of 3,6-di-O-methyl-D-glucose. Liav A, et al. **Carbohydr Res** 1986 Jul 1;149(2):C13–6

DIAGNOSTIC USE

Glucose transport and utilization in the human brain: model using carbon-11 methylglucose and positron emission tomography. Feinendegen LE, et al. **J Nucl Med** 1986 Dec; 27(12):1867–77

METABOLISM

Effect of insulin and glucocorticoids on glucose transporters in rat adipocytes. Carter-Su C, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):E441–53

Effects of insulin and epinephrine on Na+-K+ and glucose transport in soleus muscle. Clausen T, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):E492–9

3-O-methyl-D-glucose transport in tumoral insulin-producing cells. Malaisse WJ, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):C841–6

3-O-methylglucose transport in soleus muscle of bacteremic rats. Westfall MV, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):R55–63

Glucose tolerance factor stimulates 3-O-methylglucose transport into isolated rat adipocytes. Tokuda M, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1237–42

Sodium-dependent glucose transport by cultured proximal tubule cells. Alavi N, et al. **Biochim Biophys Acta** 1987 May 12;899(1):9–16

Transport of glucose and fructose in rat hepatocytes at 37 degrees C. Okuno Y, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):329–34

Effect of cytochalasin B on glucose uptake, utilization, oxidation and insulinotropic action in tumoral insulin-producing cells. Malaisse WJ, et al. **Cell Biochem Funct** 1987 Jul;5(3):183–7

Insulin-induced changes in membrane potential and 3-O-methylglucose uptake at various external K concentrations in frog skeletal muscle. Marunaka Y, et al. **Comp Biochem Physiol [A]** 1987;86(2):331–6

Jejunal and cecal 3-oxy-methyl-D-glucose absorption in chicken using a perfusion system in vivo. Vinardell MP, et al. **Comp Biochem Physiol [A]** 1987;86(4):625–7

Absorption of 3-oxy-methyl-D-glucose by chicken cecum and jejunum in vivo. Vinardell MP, et al. **Comp Biochem Physiol [A]** 1986;85(1):171–3

Cultured fibroblasts as a suitable model for studying insulin action on glucose uptake. Cynober L, et al. **Diabete Metab** 1986 Dec;12(6):308–14

Diverse effects of insulin-induced hyperpolarization on 3-O-methyl-D-glucose (3-O-MG) transport in frog skeletal muscles. Marunaka Y, et al. **Horm Metab Res** 1987 Apr;19(4):139–42

Bradykinin and skeletal muscle sugar uptake [letter] Hartl WH, et al. **J Appl Physiol** 1987 Jul;63(1):443–4

Biosynthesis of the mycobacterial O-methylglucose lipopolysaccharide. Characterization of putative intermediates in the initiation, elongation, and termination reactions. Kamisango K, et al. **J Biol Chem** 1987 Apr 5; 262(10):4580–6

Insulin and phorbol esters affect the maximum velocity rather than the half-saturation constant of 3-O-methylglucose transport in rat adipocytes. Martz A, et al. **J Biol Chem** 1986 Oct 15;261(29):13606–9

Effect of depletion of phosphate and bicarbonate ions on insulin action in rat adipocytes. Shechter Y, et al. **J Biol Chem** 1986 Nov 15;261(32):14945–50

Reversibility of decreased insulin-stimulated glucose transport capacity in diabetic muscle with in vitro incubation. Insulin is not required. Wallberg-Henriksson H, et al. **J Biol Chem** 1987 Jun 5;262(16):7665–71

Mechanism for enhanced glucose transport response to insulin in adipose cells from chronically hyperinsulinemic rats. Increased translocation of glucose transporters from an enlarged intracellular pool. Kahn BB, et al. **J Clin Invest** 1987 Mar;79(3):853–8

Maternal insulin and placental 3-O-methyl glucose transport. Rankin JH, et al. **J Dev Physiol** 1986 Aug;8(4):247–53

Relation between alpha-methyl-D-glucoside influx and brush border surface area in enterocytes from chicken cecum and jejunum. Planas JM, et al. **Pflugers Arch** 1987 May;408(5):515–8

Effect of endotoxin-induced monokines on glucose metabolism in the muscle cell line L6. Lee MD, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2590–4

PHARMACODYNAMICS

Extracellular matrix proteoglycans and cell-substratum adhesion of human endothelial cells: the effect of methyl beta-D-xylopyranoside. Gordon PB, et al. **Carbohydr Res** 1986 Aug 15;151:121–34

Prevention of streptozotocin-induced alterations in the rat heart by 3-O-methyl glucose and insulin treatments. Ramanadham S, et al. **J Cardiovasc Pharmacol** 1987 Mar; 9(3):291–7

Effects of inhibition of proteoglycan synthesis on the differentiation of cultured rat Schwann cells. Carey DJ, et al. **J Cell Biol** 1987 Aug;105(2):1013–21

Effect of pharmacological doses of 3-0-methyl-D-glucose and 2-deoxy-D-glucose on rat brain glucose and lactate. Miller LP, et al. **Stroke** 1986 Sep–Oct;17(5):957–61

METHYLGLYOXAL BIS(GUANYLHYDRAZONE) see **MITOGUAZONE**

METHYLGUANIDINE see under **GUANIDINES**

METHYLHISTAMINES

ANALYSIS

Feeding-related circadian variation in tele-methylhistamine levels of mouse and rat brains. Oishi R, et al. **J Neurochem** 1987 Aug;49(2):541–7

[Selective stimulation of histamine H3 autoreceptors] Arrang JM, et al. **C R Acad Sci [III]** 1987;304(1):11–4 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Molecular determinants for the agonist activity of 2-methylhistamine and 4-methylhistamine at H2-receptors. Reggio P, et al. **J Med Chem** 1986 Nov;29(11):2412-5

Highly potent and selective ligands for histamine H3-receptors. Arrang JM, et al. **Nature** 1987 May 14-20; 327(6118):117-23

METHYLHISTIDINES see under **HISTIDINE**

METHYLHYDRAZINES

Premalignant alterations in the glycosphingolipid composition of colonic epithelial cells of rats treated with 1,2-dimethylhydrazine. Dahiya R, et al. **Cancer Res** 1987 Feb 15;47(4):1031-5

Sequential histochemical and morphometric studies on preneoplastic and neoplastic lesions induced in rat colon by 1,2-dimethylhydrazine. Mayer D, et al. **Carcinogenesis** 1987 Jan;8(1):155-61

Diallyl sulfide, a flavor component of garlic (Allium sativum), inhibits dimethylhydrazine-induced colon cancer. Wargovich MJ. **Carcinogenesis** 1987 Mar;8(3):487-9

The histogenesis of DMH-induced colonic carcinoma in rats. Inamori Y, et al. **Gastroenterol Jpn** 1987 Feb;22(1):7-17

Distribution of laminin and collagen type IV in rat colon tumors induced by 1,2-dimethylhydrazine. Ljubimov AV, et al. **Invasion Metastasis** 1987;7(2):61-72

Comparison of lesions induced in the Syrian golden hamster by diethylnitrosamine, dimethylhydrazine, and dibutylnitrosamine: influence of subsequent butylated hydroxyanisole treatment. Moore MA, et al. **JNCI** 1987 Feb;78(2):295-301

Reduction of DMH-induced colon tumors in rats fed psyllium husk or cellulose. Roberts-Andersen J, et al. **Nutr Cancer** 1987;10(3):129-36

[Experimental carcinogenesis on the rat intestine induced by combination of 1, 2-dimethylhydrazine and n-methyl-n'-nitro-n-nitrosoguanidine] Yasutomi M, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Jun 20;21(5):978-84 (Eng. Abstr.) **(Jpn)**

[Investigation of endogenous prostaglandins in 1,2-dimethyl-hydrazine induced colonic cancer in rats--inhibition of proliferation in colonic cancer with indomethacin treatment] Koike M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jun;83(6):1135-42 (Eng. Abstr.) **(Jpn)**

ANALYSIS

New method for the determination of 1,1-dimethylhydrazine residues in apples and peaches. Wright D Jr. **J Assoc Off Anal Chem** 1987 Jul-Aug;70(4):718-20

ANTAGONISTS & INHIBITORS

Inhibition of hepatocarcinogenic responses to 1,2-dimethylhydrazine by diallyl sulfide, a component of garlic oil. Hayes MA, et al. **Carcinogenesis** 1987 Aug; 8(8):1155-7

METABOLISM

Magnetic polyethyleneimine (PEI) microcapsules as retrievable traps for carcinogen electrophiles formed in the gastrointestinal tract. Povey AC, et al. **Cancer Lett** 1987 Jul;36(1):45-53

Activation of the colon carcinogen 1,2-dimethylhydrazine in a rat colon cell-mediated mutagenesis assay. Oravec CT, et al. **Cancer Res** 1986 Oct;46(10):5068-71

In vivo formation of sigma-methyl- and sigma-phenyl-ferric complexes of hemoglobin and liver-cytochrome P-450 upon treatment of rats with methyl- and phenylhydrazine. Delaforge M, et al. **Chem Biol Interact** 1986 Oct 15; 60(1):101-13

Organ-specific effects of 1,2-dimethylhydrazine in hamster. Sheth-Desai N, et al. **Jpn J Cancer Res** 1987 Feb; 78(2):117-25

The effect of diets high in fat and/or fiber on colonic absorption of DMH in the rat. Schuette SA, et al. **Nutr Cancer** 1986;8(4):257-65

PHARMACODYNAMICS

1,2-Dimethylhydrazine-induced alterations in colonic plasma membrane fluidity: restriction to the luminal region. Brasitus TA, et al. **Biochim Biophys Acta** 1987 Jan 26; 896(2):311-7

The role of sphingomyelin synthetase and sphingomyelinase in 1,2-dimethylhydrazine-induced lipid alterations of rat colonic plasma membranes. Dudeja PK, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):309-12

The influence of diet and dimethylhydrazine on the large intestine of vervet monkeys: scanning and transmission electron microscope studies. Jaskiewicz K, et al. **Br J Exp Pathol** 1987 Jun;68(3):439-51

Enhancing effect of carrageenan on the induction of rat colonic tumors by 1,2-dimethylhydrazine and its relation to beta-glucuronidase activities in feces and other tissues. Arakawa S, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Oct; 32(5):481-5

[Effect of a new structural analog of gamma-butyrobetaine--3-(2,2,2-trimethylhydrazine)propionate (THP) on carnitine level, carnitine-dependent fatty acid oxidation and various indices of energy metabolism in the myocardium] Simkhovich BZ, et al. **Vopr Med Khim** 1986 Jul-Aug; 32(4):72-6 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Biochemical characteristics of the anti-ischemic action of the new structural analog of gamma-butyrobetaine 3-(2,2,2,-trimethylhydrazine)propionate] Simkhovich BZ, et al. **Farmakol Toksikol** 1987 Mar-Apr;50(2):100-4 (Eng. Abstr.) **(Rus)**

TOXICITY

Acute toxicity of some hydrazine compounds to salamander larvae, Ambystoma spp. Slonim AR. **Bull Environ Contam Toxicol** 1986 Nov;37(5):739-46

Induction of malignant peripheral nerve sheath tumors in European hamsters with 1,1-dimethylhydrazine (UDMH). Ernst H, et al. **Cancer Lett** 1987 Jun;35(3):303-11

Re-evaluation of 1,2-dimethylhydrazine in the mouse bone marrow micronucleus assay: observation of a positive response. Ashby J, et al. **Environ Mutagen** 1987;9(2):177-81

Effect of 1,2-dimethylhydrazine and hydrogen peroxide for the duodenal tumorigenesis in relation to blood catalase activity in mice. Ito A, et al. **Hiroshima J Med Sci** 1986 Sep;35(3):197-200

A scanning electron microscopy study of changes in rat colonic mucosa during carcinogenesis. Traynor OJ, et al. **J Surg Res** 1986 Nov;41(5):529-37

1,2-Dimethylhydrazine-induced nuclear aberrations in A/J and C57BL/6J mouse colonic crypts. Glickman LT, et al. **JNCI** 1987 Sep;79(3):499-507

The interaction of retrovirus and chemical carcinogen in experimental colon carcinogenesis. Nelson RL, et al. **Surgery** 1987 Feb;101(2):172-5

[Effect of 1,2-dimethylhydrazine on the estrous cycle in different strains of mice] Trukhanova LS. **Eksp Onkol** 1986; 8(6):21-4 (Eng. Abstr.) **(Rus)**

METHYLHYDROXYPROGESTERONE see **MEDROXYPROGESTERONE**

1-METHYL-3-ISOBUTYLXANTHINE see under **THEOPHYLLINE**

METHYLMALONIC ACID see under **MALONATES**

METHYLMALONYL COA MUTASE see under **ISOMERASES**

METHYLMANNOSIDES see under **METHYLGLYCOSIDES**

METHYLMERCURY COMPOUNDS

ADVERSE EFFECTS

The effect of low-level prenatal methylmercury exposure on visual recognition memory in infant crab-eating macaques. Gunderson VM, et al. **Child Dev** 1986 Aug; 57(4):1076-83

ANALYSIS

Decomposition and stability studies of methylmercury in water using cold vapour atomic absorption spectrometry. Ahmed R, et al. **Analyst** 1986 Dec;111(12):1371-4

Determination of methyl- and ethylmercury in natural waters at sub-nanogram per liter using SCF-adsorbent preconcentration procedure. Lee YH. **Int J Environ Anal Chem** 1987;29(4):263-76

Rapid determination of methyl mercury in fish and shellfish: collaborative study. Hight SC. **J Assoc Off Anal Chem** 1987 Jul-Aug;70(4):667-72

Rapid determination of methyl mercury in fish and shellfish: method development. Hight SC, et al. **J Assoc Off Anal Chem** 1987 Jan-Feb;70(1):24-30

BLOOD

1H-NMR study of the removal of methylmercury from intact erythrocytes by sulfhydryl compounds. Rabenstein DL, et al. **J Inorg Biochem** 1986 Oct-Nov;28(2-3):279-87

METABOLISM

Mechanism of N-acetylpenicillamine (NAPA) potentiation of biliary excretion of methyl mercury in the rat. Influence of glutathione depletors, and metabolization of NAPA and of cysteine in relation to 1-chloro-2,4-dinitrobenzene (DNB) and bromosulphophthalein (BSP) conjugation. Refsvik T. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:498-501

Species difference between rat and hamster in tissue accumulation of mercury after administration of methylmercury. Omata S, et al. **Arch Toxicol** 1986 Dec; 59(4):249-54

Effect of sex hormones on the fate of methylmercury and on glutathione metabolism in mice. Hirayama K, et al. **Biochem Pharmacol** 1987 Jun 15;36(12):1919-24

Binding of methylmercury and methylmercury-thiol complexes by myelin isolated from mice of differing selenium status. Balthrop JE, et al. **Bull Environ Contam Toxicol** 1986 Nov;37(5):783-90

Mercury distribution studies involving complexes of low-molecular weight thiols and methylmercury. Balthrop JE, et al. **Bull Environ Contam Toxicol** 1986 Dec; 37(6):890-8

Saline or plant-incorporated methylmercury effects on distribution, demethylation, and blood parameters in rats. Czuba M, et al. **Bull Environ Contam Toxicol** 1987 Mar; 38(3):426-34

Biologic variables in the hair uptake of methylmercury from blood in the macaque monkey. Mottet NK, et al. **Environ Res** 1987 Apr;42(2):509-23

Sexual differences in the excretion of organic and inorganic mercury by methyl mercury-treated rats. Thomas DJ, et al. **Environ Res** 1987 Jun;43(1):203-16

Sexual differences in the distribution and retention of organic and inorganic mercury in methyl mercury-treated rats. Thomas DJ, et al. **Environ Res** 1986 Oct;41(1):219-34

Generation and dose as modifying factors of inorganic mercury accumulation in brain, liver, and kidneys of rats fed methylmercury. Yamamoto R, et al. **Environ Res** 1986 Oct;41(1):309-18

Mercury accumulation in the eye following administration of methylmercury. DuVal G, et al. **Exp Eye Res** 1987 Jan; 44(1):161-4

Mercury methylation by bacteria. Trevors JT. **J Basic Microbiol** 1986;26(8):499-504 (28 ref.)

Effect of inhibition of gamma-glutamyltranspeptidase on biliary and urinary excretion of glutathione-derived thiols and methylmercury. Gregus Z, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):27-32

Dose- and sex-dependent alterations in mercury distribution in fetal mice following methylmercury exposure. Inouye M, et al. **J Toxicol Environ Health** 1986;19(3):425-35

Slow biliary elimination of methyl mercury in the marine elasmobranchs, Raja erinacea and Squalus acanthias. Ballatori N, et al. **Toxicol Appl Pharmacol** 1986 Sep 30; 85(3):407-15

Ultrastructural localization of mercury in adrenals from rats exposed to methyl mercury. Rasmussen BL, et al. **Virchows Arch [B]** 1987;52(6):529-38

PHARMACODYNAMICS

Reduction of axonal transport in the rat optic system after direct application of methylmercury. Aschner M, et al. **Brain Res** 1986 Sep 3;381(2):244-50

Increased axonal transport in the rat optic system after systemic exposure to methylmercury: differential effects in local vs systemic exposure conditions. Aschner M, et al. **Brain Res** 1987 Jan 13;401(1):132-41

Effects of methylmercury on the spontaneous and potassium-evoked release of endogenous amino acids from mouse cerebellar slices. Reynolds JN, et al. **Can J Physiol Pharmacol** 1987 May;65(5):791-8

Acute endocrine effects of a single administration of methylmercury chloride (MMC) in rats. Kabuto M. **Endocrinol Jpn** 1986 Oct;33(5):683-90

Methylmercury chloride-induced and antagonist-reverted succinic dehydrogenase changes in the brain and trigeminal ganglia of the rat. Unnikumar KR, et al. **Environ Res** 1987 Jun;43(1):39-47

Effects of activation of sodium and calcium entry on spontaneous release of acetylcholine induced by methylmercury. Atchison WD. **J Pharmacol Exp Ther** 1987 Apr;241(1):131-9

Comparative effects of divalent cations on the methylmercury-induced alterations of acetylcholine release. Traxinger DL, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):451-9

Effect of methyl mercury on prostaglandin synthesis in rabbit kidney medulla slices. Fujimoto Y, et al. **Res Commun Chem Pathol Pharmacol** 1986 Oct;54(1):115-9

In vivo incorporation of [14C]leucine into brain protein of mice treated with methylmercury and thiol complexes of methylmercury. Fair PH, et al. **Toxicol Lett** 1987 May; 36(3):213-20

Prenatal exposure to methylmercury alters development of adrenergic receptor binding sites in peripheral sympathetic target tissues. Slotkin TA, et al. **Toxicol Lett** 1987 Feb; 35(2-3):285-95

POISONING

Effects of systemic methyl mercury-adulterated water consumption on fast axonal transport in the rat visual system. Aschner M. **Acta Pharmacol Toxicol (Copenh)** 1986 Nov;59(5):349-55

Methylmercury exposure and mortality in Japan: a life table analysis. Tamashiro H, et al. **Arch Environ Health** 1987 Mar-Apr;42(2):100-7

Neurobehavioral assessment of Mohawk Indians for subclinical indications of methyl mercury neurotoxicity. Valciukas JA, et al. **Arch Environ Health** 1986 Jul-Aug; 41(4):269-72

Fetal methylmercury poisoning. Relationship between concentration in single strands of maternal hair and child effects. Marsh DO, et al. **Arch Neurol** 1987 Oct; 44(10):1017-22

Methylmercury in fish: a review of residue levels, fish consumption and regulatory action in the United States. Tollefson L, et al. **Environ Health Perspect** 1986 Sep; 68:203-8 (30 ref.)

Effect of N-acetyl-DL-homocysteine thiolactone and

2,3-dimercaptosuccinic acid on the restoration of alkaline phosphatase in the nervous system of rat during methylmercury toxication. Sood PP, et al. **J Environ Pathol Toxicol Oncol** 1987 Jan-Feb;7(3):21-8

Methylmercury poisoning of the developing nervous system: I. Pattern of neuronal migration in the cerebral cortex. Choi BH. **Neurotoxicology** 1986 Summer;7(2):591-600 (30 ref.)

The toxicity, distribution and elimination of methylmercury in mice following intracerebral injection. Fair PH, et al. **Neurotoxicology** 1987 Summer;8(2):281-9

[Effects of methylmercury exposure on the locomotor activity of rats] Shimojo N, et al. **Nippon Eiseigaku Zasshi** 1986 Dec;41(5):800-6 (Eng. Abstr.) **(Jpn)**

TOXICITY

Changes in axonally transported proteins in the rat visual system following systemic methyl mercury exposure. Aschner M. **Acta Pharmacol Toxicol (Copenh)** 1986 Aug; 59(2):151-7

Adenine nucleotides in cultured brain cells after exposure to methyl mercury and triethyl lead. Grundt IK, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Jul;59(1):11-6

Effect of methylmercury on the activity of glutathione peroxidase in rat liver. Hirota Y. **Am Ind Hyg Assoc J** 1986 Sep;47(9):556-8

Effects of methylmercury on sperm and egg viability of two populations of killifish (Fundulus heteroclitus). Khan AT, et al. **Arch Environ Contam Toxicol** 1987 Jul;16(4):499-505

The effects of polychlorinated biphenyls and methylmercury, singly and in combination, on mink. I: uptake and toxic responses. Wren CD, et al. **Arch Environ Contam Toxicol** 1987 Jul;16(4):441-7

The effects of polychlorinated biphenyls and methylmercury, singly and in combination on mink. II: Reproduction and kit development. Wren CD, et al. **Arch Environ Contam Toxicol** 1987 Jul;16(4):449-54

Decrease in protein phosphorylation in central and peripheral nervous tissues of methylmercury-treated rat. Kawamata O, et al. **Arch Toxicol** 1987 Feb;59(5):346-52

Studies on the inhibition of brain synaptosomal Na+/K+-ATPase by mercury chloride and methyl mercury chloride. Magour S. **Arch Toxicol [Suppl]** 1986; 9:393-6

Total and methyl-mercury content in bivalves, Mytilus galloprovincialis Lamarck and Ostrea edulis Linnaeus: relationship of biochemical composition and body size. Najdek M, et al. **Bull Environ Contam Toxicol** 1987 Jul; 39(1):56-62

Sex differential of methylmercury toxicity in spontaneously hypertensive rats (SHR). Tamashiro H, et al. **Bull Environ Contam Toxicol** 1986 Dec;37(6):916-24

Effects of methylmercuric chloride of low concentration on the rat nervous system. Yamamura K, et al. **Bull Environ Contam Toxicol** 1987 Jun;38(6):985-93

The induction of alpha 1-acid glycoprotein by methylmercury. Harrison RE, et al. **Comp Biochem Physiol [C]** 1986;85(1):11-5

Methyl mercury toxicity in plant cultures: modification of resistance and demethylation by light and/or 2,4-dichlorophenoxyacetic acid. Czuba M. **Ecotoxicol Environ Safety** 1987 Apr;13(2):191-201

Effects of methylmercury on the motor and sensory innervation of the rat extensor digitorum longus muscle. Yip RK, et al. **Environ Res** 1987 Jun;43(1):85-96

Reproduction and growth following prenatal methylmercuric chloride exposure in mice. Gates AH, et al. **Fundam Appl Toxicol** 1986 Oct;7(3):486-93

The effects of methylmercury chloride of low concentration on the rat brain. Yamamura K, et al. **Ind Health** 1986; 24(4):235-41

Modulation of messenger RNA metabolism in experimental methyl mercury neurotoxicity. Kuznetsov DA, et al. **Int J Neurosci** 1987 May;34(1-2):1-17

Effects of methyl mercury and cadmium on the kinetics of substrate activation of (K+)-paranitrophenyl phosphatase. Ahammad Sahib KI, et al. **J Appl Toxicol** 1987 Jun; 7(3):221-6

Studies of the in vitro effect of methylmercury chloride on rat brain neurotransmitter enzymes. Kung MP, et al. **J Appl Toxicol** 1987 Apr;7(2):119-21

Toxicity, distribution, and elimination of thiol complexes of methylmercury after intracerebral injection. Fair PH, et al. **J Toxicol Environ Health** 1986;19(2):219-33

5-Chloro-7-iodo-8-hydroxyquinoline (clioquinol) inhibits the nerve growth factor-induced stimulation of RNA synthesis in neonatal rat superior cervical ganglion, in vitro--comparison with effects of methylmercuric chloride and 4-hydroxyaminoquinoline-N-oxide. Hori S, et al. **J Toxicol Sci** 1987 May;12(2):97-109

Chloral hydrate, methylmercury hydroxide and ethidium bromide affect chromosomal segregation during meiosis of Saccharomyces cerevisiae. Sora S, et al. **Mutat Res** 1987 Jan;190(1):13-7

Testing strategies in behavioral teratology: III. Microanalysis of behavior. Elsner J. **Neurobehav Toxicol Teratol** 1986 Sep-Oct;8(5):573-84

Testing strategies in behavioral teratology: IV. Review and general conclusions. Elsner J, et al. **Neurobehav Toxicol Teratol** 1986 Sep-Oct;8(5):585-90

Testing strategies in behavioral teratology: II. Discrimination learning. Schreiner G, et al. **Neurobehav Toxicol Teratol** 1986 Sep-Oct;8(5):567-72

Testing strategies in behavioral teratology: I. Testing battery approach. Suter KE, et al. **Neurobehav Toxicol Teratol** 1986 Sep-Oct;8(5):561-6

Paradoxical effect of methyl mercury on mitochondrial protein synthesis in mouse brain tissue. Kuznetsov DA. **Neurochem Res** 1987 Aug;12(8):751-3

Development of adrenergic receptor binding sites in brain regions of the neonatal rat: effects of prenatal or postnatal exposure to methylmercury. Bartolome JV, et al. **Neurotoxicology** 1987 Spring;8(1):1-13

Effect of mercury on rabbit myelin CNP-ase in vitro. Domanska-Janik K, et al. **Neurotoxicology** 1987 Spring; 8(1):23-32

Biochemical mechanisms of developmental neurotoxicity of methylmercury. Slotkin TA, et al. **Neurotoxicology** 1987 Spring;8(1):65-84 (90 ref.)

Behavioral effects of cyclic dosing with methylmercury in pigeons. Weisman RG, et al. **Neurotoxicology** 1986 Fall; 7(3):107-20

Changes in axonally transported proteins in the mature and developing rat nervous system during early stages of methyl mercury exposure. Aschner M. **Pharmacol Toxicol** 1987 Feb;60(2):81-5

Methyl mercury decreases the eggshell thickness and inhibits the Ca2+ uptake in a homogenate of the eggshell gland mucosa and its subcellular fractions from the domestic fowl. Lundholm CE. **Pharmacol Toxicol** 1987 May;60(5):385-8

The effect of mercury chloride and methyl mercury on brain microsomal Na+-K+-ATPase after partial delipidisation with Lubrol. Magour S, et al. **Pharmacol Toxicol** 1987 Mar; 60(3):184-6

Effects of methyl mercury on testicular functions in Macaca fascicularis monkeys. Mohamed MK, et al. **Pharmacol Toxicol** 1987 Jan;60(1):29-36

Effects of methylmercury on the morphogenesis of the rat cerebellum. Howard JD, et al. **Teratology** 1986 Aug; 34(1):89-95

Effects of methylmercuric chloride, cycloheximide, and colchicine on the reaggregation of dissociated mouse cerebellar cells. Jacobs AJ, et al. **Toxicol Appl Pharmacol** 1986 Dec;86(3):362-71

Increased free intrasynaptosomal Ca2+ by neurotoxic organometals: distinctive mechanisms. Komulainen H, et al. **Toxicol Appl Pharmacol** 1987 Mar 30;88(1):77-86

Interactions of mitochondrial inhibitors with methylmercury on spontaneous quantal release of acetylcholine. Levesque PC, et al. **Toxicol Appl Pharmacol** 1987 Feb;87(2):315-24

Maternal selenium deficiency enhances the fetolethal toxicity of methyl mercury. Nishikido N, et al. **Toxicol Appl Pharmacol** 1987 May;88(3):322-8

Reversal of methylmercury-induced block of nerve-evoked release of acetylcholine at the neuromuscular junction. Traxinger DL, et al. **Toxicol Appl Pharmacol** 1987 Aug; 90(1):23-33

Hypertension induced by methyl mercury in rats. Wakita Y. **Toxicol Appl Pharmacol** 1987 Jun 15;89(1):144-7

The effect of cadmium pretreatment on the disposition and excretion of methylmercury and trace elements (zinc, copper) in rats. Komsta-Szumska E, et al. **Toxicol Ind Health** 1986 Dec;2(4):337-49

Suppression of aminoacyladenylate synthesis by methyl mercury in vitro and in vivo. Kuznetsov DA, et al. **Toxicol Lett** 1987 Apr;36(2):161-5

Methyl mercury-induced nonselective blocking of phosphorylation processes as a possible cause of protein synthesis inhibition in vitro and in vivo. Kuznetsov DA, et al. **Toxicol Lett** 1987 Apr;36(2):153-60

Functional consequences of prenatal methylmercury exposure: effects on renal and hepatic responses to trophic stimuli and on renal excretory mechanisms. Slotkin TA, et al. **Toxicol Lett** 1986 Dec;34(2-3):231-45

[The biochemical and morphological response of proteases and thiol protease inhibitor in the nerve tissues, liver and kidney of methylmercury chloride-treated rats] Kumamoto T, et al. **Rinsho Shinkeigaku** 1986 Jul;26(7):717-26 (Eng. Abstr.) **(Jpn)**

METHYLMESYLATE see METHYL METHANESULFONATE

METHYLMETHACRYLATES

Operative treatment of thoraco-lumbar metastases, using methylmetacrylate and Kempf's rods for vertebral replacement and stabilization. Report of 15 cases. Lozes G, et al. **Acta Neurochir (Wien)** 1987;84(3-4):118-23

Activation of cascade systems by hip arthroplasty. No difference between fixation with and without cement. Bredbacka S, et al. **Acta Orthop Scand** 1987 Jun;58(3):231-5

Gas bubbles in polymethylmethacrylate cranioplasty simulating abscesses: CT appearance. Mason TO, et al. **AJNR** 1986 Sep-Oct;7(5):829-31

Antibiotic-containing acrylic beads: radiographic appearances. Daffner RH, et al. **AJR** 1987 Jul;149(1):123-4

Influence of chemical factors on maximum temperature and residual monomer in cold curing acrylic resin. De Wijn JR, et al. **Aktuel Probl Chir Orthop** 1987;31:57-62

Fracture toughness of Kevlar 29/poly(methyl methacrylate) composite materials for surgical implantations. Pourdeyhimi B, et al. **Ann Biomed Eng** 1986;14(3):277-94

Tissue conditioners as obturators in maxillofacial surgery. Loh HS, et al. **Aust Dent J** 1986 Dec;31(6):452-4

Interaction of polystyrene/poly(gamma-benzyl L-glutamate) and poly(methyl methacrylate)/poly(gamma-benzyl L-glutamate) block copolymers with plasma proteins and platelets. Mori A, et al. **Biomaterials** 1986 Sep;7(5):386-92

Acrylic frontal cranioplasty. Remsen K, et al. **Head Neck Surg** 1986 Sep-Oct;9(1):32-41 (80 ref.)

Effect of saliva on candidal adherence to polymethyl methacrylate resin. Minagi S, et al. **Hiroshima J Med Sci** 1986 Jun;35(2):93-7

Microbial film formation: dental plaque deposition on acrylic tiles using continuous culture techniques. Keevil CW, et al. **J Appl Bacteriol** 1987 Feb;62(2):129-38

The addition of tobramycin to contrast bone cement. Effect on flexural strength. Bargar WL, et al. **J Arthroplasty** 1986; 1(3):165-8

Vacuum mixing of acrylic bone cement. Wixson RL, et al. **J Arthroplasty** 1987;2(2):141-9

The mechanical properties of cement and loosening of the femoral component of hip replacements. Weightman B, et al. **J Bone Joint Surg [Br]** 1987 Aug;69(4):558-64

Selection of materials for ultraviolet-absorbing intraocular lenses [letter] Gupta A. **J Cataract Refract Surg** 1987 May; 13(3):346-7

Investigation into the wettability of poly(methylmethacrylate) in vivo. Murray MD. **J Dent** 1986 Feb;14(1):29-33

The effect of adherent oral streptococci on the subsequent adherence of Candida albicans to acrylic in vitro. Verran J, et al. **J Dent** 1987 Apr;15(2):73-6

Comparison of the fatigue characteristics of centrifuged and uncentrifuged Simplex P bone cement. Davies JP, et al. **J Orthop Res** 1987;5(3):366-71

The use of methyl methacrylate bone cement as an internal splint in the treatment of fractures of the canine axis. Steyn DG. **J S Afr Vet Assoc** 1986 Dec;57(4):239-41

Experimental study on gentamycin-loaded polymethylmethacrylate. Chen AM, et al. **J Tongji Med Univ** 1986;6(3):167-71

Evaluation of MMA-4-META-TBB resin as a dental adhesive material. Kuo YS. **Proc Natl Sci Counc Repub China [B]** 1984 Apr;8(2):187-92

Posterior cervical fusions using cerclage wires, methylmethacrylate cement and autogenous bone graft. An experimental study of a canine model. Whitehill R, et al. **Spine** 1987 Jan-Feb;12(1):12-22

A simplified technique for low temperature methyl methacrylate embedding. Liu CC. **Stain Technol** 1987 May; 62(3):155-9

[Adhesive strength of metal/bone cement compounds and bone cement/spongioid bones] Klumpert R, et al. **Aktuel Probl Chir Orthop** 1987;31:125-8 **(Ger)**

[Stryker "Mix Evac" bone cement mixer]Krafft M. **Aktuel Probl Chir Orthop** 1987;31:436-8 **(Ger)**

[Adhesion of methylmethacrylate to bones] Münzenberg KJ, et al. **Aktuel Probl Chir Orthop** 1987;31:107-10 **(Ger)**

[Experimental studies of continuous vibration behavior of bone cements] Plitz W, et al. **Aktuel Probl Chir Orthop** 1987;31:383-91 **(Ger)**

[Theoretical experimental studies of temperature distribution at the bone-cement boundary zone in polyethylene acetabular implants, with reference to intraoperatively recorded temperature courses] Plitz W, et al. **Aktuel Probl Chir Orthop** 1987;31:392-5 **(Ger)**

[Development of a carbon fiber-reinforced bone cement with optimized mechanical properties] Wolter D, et al. **Aktuel Probl Chir Orthop** 1987;31:358-61 **(Ger)**

[Scanning electron microscopy findings in a rigid one-piece polymethylmethacrylate anterior chamber lens with a 30 year duration in the eye] Rochels R, et al. **Klin Monatsbl Augenheilkd** 1987 Jun;190(6):505-10 (Eng. Abstr.) **(Ger)**

[The effect of the solubility of drugs on their liberation from polymethacrylate-coated retard pellets] Hennig D, et al. **Pharmazie** 1986 Nov;41(11):814-5 **(Ger)**

[Cranioplastic implant for laryngeal stenosis--experimental results in cats] Brama I, et al. **Harefuah** 1986 Aug; 111(3-4):69-71 (Eng. Abstr.) **(Heb)**

[Experimental study of the cell response on the intraocular lens surface] Matoba M, et al. **Nippon Ganka Gakkai Zasshi** 1986 Nov;90(11):1333-40 (Eng. Abstr.) **(Jpn)**

[Laboratory moulding of Metaplex for stomatologic use] Zietek M. **Polim Med** 1986;16(1-2):73-7 (Eng. Abstr.) **(Pol)**

ADMINISTRATION & DOSAGE

Hard and soft animal tissue responses to unloaded solid and porous PMMA implants and their possible clinical applications. Van Mullem PJ, et al. **Aktuel Probl Chir Orthop** 1987;31:371-4

Performance evaluation of a cement-augmented intramedullary fixation system for pathologic lesions of the femoral shaft. Miller GJ, et al. **Clin Orthop** 1987 Aug; (221):246-54

Is a conservative approach to vascular graft infection feasible? [letter] Heath DI. **J R Coll Surg Edinb** 1987 Feb; 32(1):65

[Topical administration of gentamycin in the form of spheres (Septopal) in the treatment of bone infections] Karpaś K. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1984;27(4):347-52 (Eng. Abstr.) **(Cze)**

[Experiences with bone cement containing Nebacetin] Blencke BA. **Aktuel Probl Chir Orthop** 1987;31:262–4 **(Ger)**

[Clinical evaluation and initial results of a newly developed bone cement, Implast] Brinkmann KE. **Aktuel Probl Chir Orthop** 1987;31:421–4 **(Ger)**

[Gentamycin liberation from the low viscosity PMMA bone cement Refobacin E flow following TEP implantation] Buchholz M, et al. **Aktuel Probl Chir Orthop** 1987;31:362–4 **(Ger)**

[1-year clinical results with Implast bone cement--randomized comparative study with a proven bone cement] Eyb R, et al. **Aktuel Probl Chir Orthop** 1987; 31:425–7 **(Ger)**

[Injectable use of PMMA bone cements] Frisch R, et al. **Aktuel Probl Chir Orthop** 1987;31:141–4 **(Ger)**

[Bioactive bone cement with added glass ceramic and glass fiber reinforcement--physical properties, histomorphologic findings and results of animal experiments] Fuchs G, et al. **Aktuel Probl Chir Orthop** 1987;31:428–35 **(Ger)**

[Effects of Nebacetin on the implant site] Gartenmann W. **Aktuel Probl Chir Orthop** 1987;31:265–6 **(Ger)**

[Use of bone cements in spinal surgery--indications, technic and personal experiences] Griss P. **Aktuel Probl Chir Orthop** 1987;31:289–98 **(Ger)**

[PMMA in the area of the skull and spine--experiences with cements containing antibiotics and antibiotic-free cements] Knöringer P. **Aktuel Probl Chir Orthop** 1987;31:308–13 **(Ger)**

[Long-term clinical study of antibiotic administration in bone cements (follow-up of Balgrist cases)] Lanaras A, et al. **Aktuel Probl Chir Orthop** 1987;31:236–40 **(Ger)**

[Bone cements in surface replacement of the hip joint] Pförringer W, et al. **Aktuel Probl Chir Orthop** 1987; 31:282–8 **(Ger)**

[Palliative stabilization of the spine in metastases] Schmitt E, et al. **Aktuel Probl Chir Orthop** 1987;31:299–302 **(Ger)**

[Palacos compound osteosynthesis using the autocompression plate in resection treatment of bone metastases] Schmitt O, et al. **Aktuel Probl Chir Orthop** 1987;31:321–5 **(Ger)**

[First clinical study with Implast bone cement] Seidel H. **Aktuel Probl Chir Orthop** 1987;31:414–20 **(Ger)**

[Results of 1979–1982 follow-up of Nebacetin-Sulfix 6 implanted hip and knee prostheses] Seiwert W. **Aktuel Probl Chir Orthop** 1987;31:267–70 **(Ger)**

[Low-viscosity bone cements especially designed for injection administration in orthopedics and its evaluation in vitro] Streicher RM. **Aktuel Probl Chir Orthop** 1987; 31:51–6 **(Ger)**

[Possibilities and limits of ultrasound manipulation-removal of bone cements] Weber U, et al. **Aktuel Probl Chir Orthop** 1987;31:347–9 **(Ger)**

ADVERSE EFFECTS

Skin protection against methylmethacrylate. Darre E, et al. **Acta Orthop Scand** 1987 Jun;58(3):236–8

Allergies to ear moulds. A study of reactions encountered by hearing aid users to some ear mould materials. Cockerill D. **Br J Audiol** 1987 May;21(2):143–5

Foreign body reaction to polymeric debris following total hip arthroplasty. Maguire JK Jr, et al. **Clin Orthop** 1987 Mar;(216):213–23

In vivo fracture of an extruded polymethylmethacrylate intraocular lens loop. Park SB, et al. **J Cataract Refract Surg** 1987 Mar;13(2):194–7

[Observations on the effects of exposure to methyl methacrylate on workers' health] Lang YY. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Nov; 20(6):344–7 (Eng. Abstr.) **(Chi)**

[Bone and border zone changes in the use of bone cements--long-term studies of human biopsy, surgical and autopsy material] Delling G, et al. **Aktuel Probl Chir Orthop** 1987;31:163–71 **(Ger)**

[Failures in the use of Nebacetin-Sulfix 6] Dreyer J, et al. **Aktuel Probl Chir Orthop** 1987;31:259–61 **(Ger)**

[Clinical experiences with long-term implantation of bone cement beads containing antibiotics in bone infections] Eggers C, et al. **Aktuel Probl Chir Orthop** 1987;31:241–4 **(Ger)**

[Tissue damage caused by PMMA bone cement] Lintner F, et al. **Aktuel Probl Chir Orthop** 1987;31:172–6 **(Ger)**

[Disorders of the blood supply in the femur following the cementing of endoprostheses--a study in dogs] Lüthi UK, et al. **Aktuel Probl Chir Orthop** 1987;31:184–7 **(Ger)**

[Can use of gentamycin-Palacos lead to the occurrence of a toxic serum gentamycin level? Drug monitoring with enzyme immunoassay] Markowski HP, et al. **Aktuel Probl Chir Orthop** 1987;31:257–8 **(Ger)**

[MMA toxicity versus implantation embolisms: clinical studies] Rinecker H, et al. **Aktuel Probl Chir Orthop** 1987; 31:206–9 **(Ger)**

[Quincke edema following use of bone cement in a dialysis patient: a sequela of ethylene oxide allergy?] Rumpf KW, et al. **Aktuel Probl Chir Orthop** 1987;31:94–5 **(Ger)**

[Side effects of gentamycin following implantation of PMMA containing gentamycin in the form of bead chains] Walenkamp GH, et al. **Aktuel Probl Chir Orthop** 1987; 31:254–6 **(Ger)**

[Destruction of cement casings] Willert HG. **Aktuel Probl Chir Orthop** 1987;31:326–33 **(Ger)**

[Embolisms from the bone marrow canal following implantation of intramedullary femur head endoprostheses with polymethylmethacrylate] Zichner L. **Aktuel Probl Chir Orthop** 1987;31:201–5 **(Ger)**

[Methylmethacrylate hypersensitivity. A clinical case] Casati A, et al. **Minerva Anestesiol** 1986 Aug-Sep;52(8–9):285–8 (Eng. Abstr.) **(Ita)**

[Gastric secretory function of workers in contact with the methyl ester of methacrylic acid] Sharova TG. **Vrach Delo** 1986 Nov;(11):102–4 (Eng. Abstr.) **(Rus)**

ANALYSIS

[Release of rest monomers and N,N-dimethyl-p-toluidine from bone cements during aging and long-term placement--an in vitro study] Ege W, et al. **Aktuel Probl Chir Orthop** 1987;31:79–82 **(Ger)**

[Modification of the polymerization time and temperature of PMMA cement by adding carbon fibers and apatite particles] Hopf T, et al. **Aktuel Probl Chir Orthop** 1987; 31:396–9 **(Ger)**

[Changes in continuous vibration resistance of PMMA cement by addition of carbon fibers, apatite powder and granules and bone particles] Mittelmeier H, et al. **Aktuel Probl Chir Orthop** 1987;31:379–82 **(Ger)**

[Mechanical properties of unmodified bone cements based on PMMA] Müller K. **Aktuel Probl Chir Orthop** 1987; 31:31–44 **(Ger)**

[Modification of the mechanical properties of bone cements by additives and cement aging in vitro] Nietert M, et al. **Aktuel Probl Chir Orthop** 1987;31:45–50 **(Ger)**

[Chemical and physical properties of Implast, a new bone cement] Pietsch HG, et al. **Aktuel Probl Chir Orthop** 1987; 31:407–13 **(Ger)**

[Stress-induced structural changes in bone cement--studies of reoperated preparations] Walde HJ, et al. **Aktuel Probl Chir Orthop** 1987;31:111–20 **(Ger)**

[Release of methylmethacrylate from bone cement during polymerization in bone marrow] Willert HG, et al. **Aktuel Probl Chir Orthop** 1987;31:75–8 **(Ger)**

[Comparative studies of the physical properties of Metaplex and Duracryl] Zietek M. **Polim Med** 1986;16(1–2):63–71 (Eng. Abstr.) **(Pol)**

HISTORY

[Use of polymethylmethacrylate in medicine--a historical review] Ruckelshausen MC. **Aktuel Probl Chir Orthop** 1987;31:15–6 **(Ger)**

IMMUNOLOGY

Comparison of complement activation by silicone intraocular lenses and polymethylmethacrylate intraocular lenses with polypropylene loops. Mondino BJ, et al. **Arch Ophthalmol** 1987 Jul;105(7):989–90

ISOLATION & PURIFICATION

Influence of mixing technique on some properties of PMMA bone cement. Eyerer P, et al. **J Biomed Mater Res** 1986 Oct;20(8):1057–94

METABOLISM

In vitro complement-independent activation of human neutrophils by hemodialysis membranes: role of the net electric charge. Tetta C, et al. **Int J Artif Organs** 1987 Mar;10(2):83–8

Refobacin concentration in blood serum, urine and wound secretion: a comparative study of refobacin-palacos and implast-gentamicin in total hip replacement. Rabenseifner L, et al. **Nippon Geka Hokan** 1986 Nov 1;55(6):762–7

PHARMACODYNAMICS

A study of intrusion characteristics of low viscosity cement Simplex-P and Palacos cements in a bovine cancellous bone model. Rey RM Jr, et al. **Clin Orthop** 1987 Feb;(215):272–8

Comparison of the effect of polymethylmethacrylate and silicone intraocular lenses on rabbit corneal endothelium in vitro. Herzog WR, et al. **J Cataract Refract Surg** 1987 Jul;13(4):397–400

[Experimental studies on the modification of malignant bone tumor tissue by artificial cements] Strube HD, et al. **Aktuel Probl Chir Orthop** 1987;31:314–20 **(Ger)**

RADIATION EFFECTS

Experimental Nd:YAG laser disintegration of methylmethacrylate. Analysis of gaseous products. Choy DS, et al. **Clin Orthop** 1987 Feb;(215):287–8

Effect of the Nd:YAG laser on polymethylmethacrylate, HEMA copolymer, and silicone intraocular materials. Keates RH, et al. **J Cataract Refract Surg** 1987 Jul; 13(4):401–9

Neodymium: YAG laser damage threshold. A comparison of injection-molded and lathe-cut polymethylmethacrylate intraocular lenses. Wilson SE, et al. **Ophthalmology** 1987 Jan;94(1):7–11

STANDARDS

[Possibilities for improving bone cements] Ege W. **Aktuel Probl Chir Orthop** 1987;31:350–3 **(Ger)**

[Experimental testing possibilities of the morphology and mechanics of the bone cement boundary zone] Hahn F, et al. **Aktuel Probl Chir Orthop** 1987;31:192–5 **(Ger)**

THERAPEUTIC USE

The actual status of acrylic bone cement in total hip replacement. A review. de Waal Malefijt J, et al. **Acta Orthop Belg** 1987;53(1):52–8 (33 ref.)

Unorthodox internal fixation of bone lesions in myelomatosis. Kubie A, et al. **Br Med J [Clin Res]** 1987 Jul 11; 295(6590):98

Accelerated polymerization of acrylic bone cement using preheated implants. Dall DM, et al. **Clin Orthop** 1986 Oct; (211):148–50

Anaphylatoxin release in association with methylmethacrylate fixation of hip prostheses. Bengtson A, et al. **J Bone Joint Surg [Am]** 1987 Jan;69(1):46–9

Failure of stabilization of the spine with methylmethacrylate. A retrospective analysis of twenty-four cases. McAfee PC, et al. **J Bone Joint Surg [Am]** 1986 Oct;68(8):1145–57

Late surgical treatment of unilateral coronal synostosis using methyl methacrylate. Persing JA, et al. **J Neurosurg** 1987 Jun;66(6):793–9

[Preliminary note on the treatment of vertebral angioma by percutaneous acrylic vertebroplasty] Galibert P, et al. **Neurochirurgie** 1987;33(2):166–8 (Eng. Abstr.) **(Fre)**

[Use and experiences with gentamycin-PMMA chains in 500 cases of osteitis over a 7-year period] Schmidt HG. **Aktuel Probl Chir Orthop** 1987;31:245–8 **(Ger)**

[Medium term results of treatment of post-traumatic osteitis and osteomyelitis with gentamycin-PMMA minichains] Quell M, et al. **Aktuel Traumatol** 1986 Aug;16(4):158–60 (Eng. Abstr.) **(Ger)**

[Measures for reducing complications in anus praeternaturalis repair] Schmidt CD, et al. **Chirurg** 1987 Apr;58(4):252–4 (Eng. Abstr.) **(Ger)**

[Primary immediate coverage of decubitus ulcers by musculocutaneous flaps and gentamicin PMMA beads] Priesack W, et al. **Handchir Mikrochir Plast Chir** 1987 Jan; 19(1):10–6 (Eng. Abstr.) **(Ger)**

TOXICITY

Electron microscopy and immunohistochemistry of toxic and allergic effects of methylmethacrylate on the skin. Kanerva L, et al. **Arch Toxicol [Suppl]** 1986;9:456–9

Comparative study of the effects of optic design on lens epithelium in vitro. Santos BA, et al. **J Cataract Refract Surg** 1987 Mar;13(2):127–30

[Carcinogenicity and toxicology of components of methylmethacrylate bone cements] Berger MR, et al. **Aktuel Probl Chir Orthop** 1987;31:90–3 **(Ger)**

[Toxicity of bone cement components] Bösch CP, et al. **Aktuel Probl Chir Orthop** 1987;31:87–9 **(Ger)**

[Animal experiments in the assessment of tolerance to bone cements] Lintner F, et al. **Aktuel Probl Chir Orthop** 1987; 31:188–91 **(Ger)**

[Preclinical studies of tolerance to bone cements] Neumann W. **Aktuel Probl Chir Orthop** 1987;31:67–71 **(Ger)**

[Animal experiment histologic and biomechanical studies of tissue tolerance and adhesiveness of bone cement containing carbon fibers and apatite] Schmitt E, et al. **Aktuel Probl Chir Orthop** 1987;31:400–3 **(Ger)**

[Osseous reaction following filling of the femoral marrow cavity with carbon fiber-reinforced Sulfix 6 bone cement in the rabbit with reference to the organization of the reinforcing fibers in a polymethylmethacrylate matrix] Schultz JH, et al. **Aktuel Probl Chir Orthop** 1987;31:404–6 **(Ger)**

[Pharmacologic effects and kinetics of methylmethacrylate monomers] Wenda K, et al. **Aktuel Probl Chir Orthop** 1987; 31:83–6 **(Ger)**

[Methods of predicting the toxicity of substances migrating from polymer materials used in the food-processing industry] Gnoevaia VL, et al. **Gig Sanit** 1986 Oct;(10):41–4 (15 ref.) **(Rus)**

METHYLMETHANE SULFONATE see **METHYL METHANESULFONATE**

METHYLMETHYLERGONOVINE see **METHYSERGIDE**

METHYLNITRONITROSOGUANIDINE

Comparison of stomach cancer induced in rats by N-methyl-N'-nitro-N-nitrosoguanidine or N-propyl-N'-nitro-N-nitrosoguanidine. Wang CX, et al. **Cancer Lett** 1987 Feb;34(2):173–85

Analysis of differentiation antigens on normal and carcinogen-altered rat epithelial cells in vivo and in culture. Niyogi K, et al. **Differentiation** 1987;34(1):40–9

The effect of antioxidants on MNNG-induced stomach carcinogenesis in rats. Balansky RM, et al. **J Cancer Res Clin Oncol** 1986;112(3):272–5

Scavenging effect of butylated hydroxytoluene on the production of free radicals by the reaction of hydrogen peroxide with N-methyl-N'-nitro-N-nitrosoguanidine. Mikuni T, et al. **JNCI** 1987 Aug;79(2):281–3

Immunohistochemical demonstration of pyloric gland-type cells with low-pepsinogen isozyme I in preneoplastic and neoplastic tissues of rat stomachs treated with N-methyl-N'-nitro-N-nitrosoguanidine. Tatematsu M, et al. **JNCI** 1987 Apr;78(4):771–7

Higher susceptibility to N-methyl-N'-nitro-N-nitrosoguanidine-induced

tumorigenesis in an interstrain hybrid of the fish, Oryzias latipes (medaka). Hyodo-Taguchi Y, et al. **Jpn J Cancer Res** 1987 May;78(5):487–93

Enhancing effect of cysteamine hydrochloride on the development of gastroduodenal tumors induced by N-methyl-N'-nitro-N-nitrosoguanidine in F344 rats. Jang JJ, et al. **Jpn J Cancer Res** 1987 Jun;78(6):571–6

[Influence of surfactant upon the induction of digestive tract tumors by MNNG] Zhang ZX. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Mar;15(1):6–8 (Eng. Abstr.) **(Chi)**

[Experimental carcinogenesis on the rat intestine induced by combination of 1, 2-dimethylhydrazine and n-methyl-n'-nitro-n-nitrosoguanidine] Yasutomi M, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Jun 20;21(5):978–84 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Endocrine cells in adenocarcinomas and their prestages in the glandular stomach and duodenum of rats after MNNG administration. Histochemical, electron microscopical and radioimmunological studies. Jonas L, et al. **Acta Histochem (Jena)** 1986;80(2):197–204

ANALOGS & DERIVATIVES

Comparison of stomach cancer induced in rats by N-methyl-N'-nitro-N-nitrosoguanidine or N-propyl-N'-nitro-N-nitrosoguanidine. Wang CX, et al. **Cancer Lett** 1987 Feb;34(2):173–85

Induction of intestinal metaplasia in rats by N-ethyl-N'-nitro-N-nitrosoguanidine but not by sodium hydroxide. Kojima N, et al. **Jpn J Cancer Res** 1987 Feb; 78(2):126–33

Change of mutagenic activity of N-methyl-N-nitrosoguanidine during its decomposition studied by SOS chromotest. Miertuš S, et al. **Neoplasma** 1986;33(4):447–55

[Effect of splenectomy on cancers induced with ENNG (N-ethyl-N'-nitro-N-nitroso-guanidine) in the alimental canal] Kaneda M. **Hokkaido Igaku Zasshi** 1987 Jan; 62(1):33–40 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Enhancement of N-methyl-N'-nitro-N-nitrosoguanidine-induced DNA amplification in a Simian virus 40-transformed Chinese hamster cell line by 3-aminobenzamide. Bürkle A, et al. **Cancer Res** 1987 Jul 15;47(14):3632–6

O6-methylguanine-DNA methyltransferase activity and sensitivity to N-methyl-N'-nitro-nitrosoguanidine during human T-lymphocyte differentiation. Cohen A, et al. **Carcinogenesis** 1986 Nov;7(11):1877–9

N-methyl-N'-nitro-N-nitrosoguanidine and benzo[a]pyrene-7,8-diol-9,10-epoxide inhibit glucocorticoid-inducible polyoma virus middle-T gene expression in rat mT-1 cells by a post-transcriptional mechanism. Miller M.S, et al. **Carcinogenesis** 1987 Aug; 8(8):1159–63

Complementation of sensitivity to alkylating agents in Escherichia coli and Chinese hamster ovary cells by expression of a cloned bacterial DNA repair gene. Kataoka H, et al. **EMBO J** 1986 Dec 1;5(12):3195–200

Chemosensitization by monofunctional alkylating agents. Walling JM, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug; 12(8):1397–400

Multiple species of Bacillus subtilis DNA alkyltransferase involved in the adaptive response to simple alkylating agents. Morohoshi F, et al. **J Bacteriol** 1987 Feb; 169(2):587–92

Repair of N-methyl-N'-nitro-N-nitrosoguanidine-induced DNA damage by ABC excinuclease. Van Houten B, et al. **J Bacteriol** 1987 Feb;169(2):540–5

Response of carcinogen-altered mouse epidermal cells to phorbol ester tumor promoters and calcium. Hennings H, et al. **J Invest Dermatol** 1987 Jan;88(1):60–5

Influence of neighbouring base sequence on N-methyl-N'-nitro-N-nitrosoguanidine mutagenesis in the lacI gene of Escherichia coli. Burns PA, et al. **J Mol Biol** 1987 Apr 5;194(3):385–90

N-methyl-N'-nitro-N-nitrosoguanidine-induced resistance to ionizing radiation. Morse ML, et al. **MGG** 1987 Feb; 206(2):220–5

Genomic hypomethylation and far-5' sequence alterations are associated with carcinogen-induced activation of the hamster thymidine kinase gene. Barr FG, et al. **Mol Cell Biol** 1986 Sep;6(9):3023–33

Evidence that N-methyl-N'-nitro-N-nitrosoguanidine induces adaptive response in Bacillus thuringiensis. Boutibonnes P, et al. **Mutat Res** 1987 Feb;190(2):83–7

Transfer of the E. coli O6-methylguanine methyltransferase gene into repair-deficient human cells and restoration of cellular resistance to N-methyl-N'-nitro-N-nitrosoguanidine. Ishizaki K, et al. **Mutat Res** 1986 Sep;166(2):135–41

Change of mutagenic activity of N-methyl-N-nitrosoguanidine during its decomposition studied by SOS chromotest. Miertuš S, et al. **Neoplasma** 1986;33(4):447–55

Loss of an apurinic/apyrimidinic site endonuclease increases the mutagenicity of N-methyl-N'-nitro-N-nitrosoguanidine to Escherichia coli. Foster PL, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):2891–5

[Chemically induced malignant transformation of esophagus fibroblasts in vitro derived from esophageal cancer patients] Gao YN, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Jun; 8(3):171–4 (Eng. Abstr.) **(Chi)**

[Induction of phenotypic changes and effect of AFP gene expression in newborn rat liver cells with N-methyl-N-nitro-N-nitrosoguanidine and 3'-methyl-4-dimethylaminoazobenzene in vitro] Ge YP, et al. **Shih Yen Sheng Wu Hsueh Pao** 1986 Jun; 19(2):193–201 (Eng. Abstr.) **(Chi)**

[The effect of methylnitronitrosoguanidine on DNA synthesis in human and animal cells. Inhibition of DNA synthesis in asynchronous and synchronous cultured cells] Dulatova ShN, et al. **Mol Gen Mikrobiol Virusol** 1985 Sep;(9):23–7 (Eng. Abstr.) **(Rus)**

TOXICITY

The effect of nicotinamide on N-methyl-N'-nitro-N-nitrosoguanidine induced killing and mutation. Bhattacharyya N, et al. **Chem Biol Interact** 1986 Dec;60(3):287–95

The effects of different MNNG (N-methyl-N'-nitro-N-nitrosoguanidine) doses on the stomach and the upper small intestine of the rat. I. The frequency and histopathology of the induced tumours. Barten M. **Exp Pathol** 1987;31(3):147–52

Gastric and oesophageal carcinogenesis: models for the identification of risk and protective factors. Newberne PM, et al. **Food Chem Toxicol** 1986 Oct-Nov;24(10–11):1111–9

Early changes in the gastric mucosa with MNNG exposure in the rat. Kishimoto S, et al. **Hiroshima J Med Sci** 1986 Sep;35(3):237–43

Effects of bile acids on carcinogen-exposed rat colon in organ culture and as subsequent long-term transplants. Reiss B, et al. **JNCI** 1987 Jan;78(1):107–13

The pR plasmid: a tool for discriminating between DNA lesions induced by different types of cytotoxic agents in cultured mammalian cells. Elli R, et al. **Mutat Res** 1987 Jul-Aug;191(3–4):177–81

4NQO- or MNNG-resistant variants established from a human cell line, RSb, with high sensitivity to both agents. Suzuki N. **Mutat Res** 1987 May;178(1):135–41

Influence of ascorbic acid on the mutagenicity of N-methyl-N-nitrosoguanidine and nitrofurans studied by SOS chromotest. Vojteková H, et al. **Neoplasma** 1986; 33(6):691–8

Comparison of the acute toxicity of N-nitrosocimetidine with three structurally related carcinogens in the rat. Ogiu T, et al. **Toxicol Pathol** 1986;14(4):395–403

[Micronucleus test in cultured cells—preliminary study] Cheng SJ. **Chung Hua Chung Liu Tsa Chih** 1986 Mar; 8(2):90–2 (Eng. Abstr.) **(Chi)**

[Changes in the content of pepsinogen messenger RNA in the gastric mucosa of rats during N-methyl-N'-nitro-N-nitrosoguanidine-induced carcinogenesis] Glebov AV, et al. **Eksp Onkol** 1986; 8(6):16–8 (Eng. Abstr.) **(Rus)**

METHYLNITROPHOS see **FENITROTHION**

METHYLNITROSONITROGUANIDINE see **METHYLNITRONITROSOGUANIDINE**

METHYLNITROSOUREA

Influence of perinatal nicotine administration on transplacental carcinogenesis in Sprague Dawley rats by N-methylnitrosourea. Berger MR, et al. **Br J Cancer** 1987 Jan;55(1):37–40

Lesions of the prostate glands and seminal vesicles induced by N-methylnitrosourea in F344 rats pretreated with ethinyl estradiol. Shirai T, et al. **Cancer Lett** 1987 Apr; 35(1):7–15

Induction of thymomas by N-methyl-N-nitrosourea in AKR mice: interaction between the chemical carcinogen and endogenous murine leukaemia viruses. Warren W, et al. **Carcinogenesis** 1987 Jan;8(1):163–72

Studies on in vitro S-methylation of naturally occurring thiol compounds with N-methyl-N-nitrosourea and methyl methanesulfonate. Trézl L, et al. **Environ Res** 1987 Aug; 43(2):417–26

Retinal degeneration in the mouse. A model induced transplacentally by methylnitrosourea. Smith SB, et al. **Exp Eye Res** 1986 Nov;43(5):791–801

N-methyl nitrosourea induced endocardial schwannomas in rats—light and electron microscopic study. Shankar SK, et al. **Indian J Cancer** 1985 Dec;22(4):282–8

Transformation sensitivity in early S-phase and clonogenic potential are target-ceil characteristics in liver carcinogenesis by N-methyl-N-nitrosourea. Maguire S, et al. **Int J Cancer** 1987 Mar 15;39(3):385–9

Selective induction of glandular stomach carcinoma in F344 rats by N-methyl-N-nitrosourea. Hirota N, et al. **Jpn J Cancer Res** 1987 Jul;78(7):634–8

ADMINISTRATION & DOSAGE

Persisting long-term effects of a single carcinogenic dose of methylnitrosourea on epidermal growth in mice. Kirkhus B, et al. **Carcinogenesis** 1987 Feb;8(2):271–4

ANALOGS & DERIVATIVES

High local carcinogenic activity of 1,3-dimethyl-3-phenyl-1-nitrosourea and its inactivation by intravenous application in rats: comparison of in vivo findings with the in vitro direct and a combined in vivo/in vitro sister chromatid exchange assay in V79-E cells. Thust R, et al. **Carcinogenesis** 1987 Feb;8(2):237–40

Spontaneous and enzymatic activations of carcinogenic N-butyl-N',N'-dimethyl-N-nitrosourea. Kohda K, et al. **Chem Pharm Bull (Tokyo)** 1986 Dec;34(12):5056–62

METABOLISM

Magnetic polyethyleneimine (PEI) microcapsules as retrievable traps for carcinogen electrophiles formed in the gastrointestinal tract. Povey AC, et al. **Cancer Lett** 1987 Jul;36(1):45–53

Denitrosation of N-nitrosodimethylamine and N-nitrosomethylurea by liver microsomes from trout (Salmo gairdneri Rich.). Arillo A, et al. **Environ Res** 1987 Apr;42(2):366–71

Trapping of chemical carcinogens with magnetic polyethyleneimine microcapsules: III. In vivo trapping of electrophiles from N-methyl-N-nitrosourea and recovery from feces. Povey AC, et al. **J Pharm Sci** 1987 Mar; 76(3):201–7

PHARMACODYNAMICS

A comparison of the effects of streptozotocin, N-methylnitrosourea and alloxan on isolated islets of Langerhans. Akpan JO, et al. **Diabete Metab** 1987 Apr; 13(2):122–8

Xeroderma pigmentosum patients from Germany: repair capacity of 45 XP fibroblast strains of the Mannheim XP Collection as measured by colony-forming ability and unscheduled DNA synthesis following treatment with methyl methanesulfonate and N-methyl-N-nitrosourea. Thielmann HW, et al. **J Cancer Res Clin Oncol** 1986; 112(3):245–57

Mechanisms of synergism in the mutagenicity of cadmium and N-methyl-N-nitrosourea in Salmonella typhimurium: the effect of pH. Mandel R, et al. **Mutat Res** 1987 Jan; 176(1):1–10

DNA base changes and alkylation following in vivo exposure of Escherichia coli to N-methyl-N-nitrosourea or N-ethyl-N-nitrosourea. Richardson KK, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):344–8

Molecular electrostatic potential energies and methylation of DNA bases: a molecular orbital-generated quantitative structure-activity relationship. Lewis DF, et al. **Xenobiotica** 1987 Jun;17(6):769–76

[The structure of HeLa cell population after exposure to methylnitrosourea at different phases of culture growth] Zhurbitskaia VA, et al. **Eksp Onkol** 1987;9(2):52–5 (Eng. Abstr.) **(Rus)**

TOXICITY

Temperature-dependence of cytotoxicity of several genotoxicants in Chinese hamster V79 cells: bleomycin, paraquat, and some N-alkyl-N-nitrosoureas. Suzuki T, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):67–72

A comparison of cell survival, mutation and persistence of putative promutagenic lesions in Chinese hamster cells exposed to BNU or MNU. Boyle JM, et al. **Carcinogenesis** 1986 Dec;7(12):1981–5

Carcinogenic doses of methylnitrosourea induce dose response related delay in transit through S and G2 phases in mouse epidermis: a cell kinetic study. Kirkhus B, et al. **Carcinogenesis** 1987 Mar;8(3):369–75

Multistage transformation of cultured rat urothelium: the effects of N-methyl-N-nitrosourea, sodium saccharin, sodium cyclamate and 12-O-tetradecanoylphorbol-13-acetate. Knowles MA, et al. **Carcinogenesis** 1986 Dec;7(12):2059–65

The effects of saccharin on the development of neoplastic lesions initiated with N-methyl-N-nitrosourea in the rat urothelium. West RW, et al. **Fundam Appl Toxicol** 1986 Nov;7(4):585–600

Effects of bile acids on carcinogen-exposed rat colon in organ culture and as subsequent long-term transplants. Reiss B, et al. **JNCI** 1987 Jan;78(1):107–13

Frequency of congenital defects and dominant lethals in the offspring of male mice treated with methylnitrosourea. Nagao T. **Mutat Res** 1987 Mar;177(1):171–8

Inhibition of N-methyl-N-nitrosourea-induced mutagenicity and DNA methylation by ellagic acid. Dixit R, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8039–43

Comparison of the acute toxicity of N-nitrosocimetidine with three structurally related carcinogens in the rat. Ogiu T, et al. **Toxicol Pathol** 1986;14(4):395–403

[Effect of disordered thyroid function on the realization of the transplacental carcinogenic action of N-nitrosomethylurea in 1st- and 2d-generation rats] Popovich IG, et al. **Eksp Onkol** 1986;8(5):21–4 (Eng. Abstr.) **(Rus)**

[Modifying effect of dioxane on the cytogenetic activity of N-nitroso-N-methylurea] Grigorova NV, et al. **Tsitol Genet** 1986 Nov-Dec;20(6):433–6 (Eng. Abstr.) **(Rus)**

[Dependence of the carcinogenic effect of N-nitrosomethylurea on its dosage and the age of female rats] Anisimov VN. **Vopr Onkol** 1987;33(1):65-72 (Eng. Abstr.) **(Rus)**

METHYLNOREPINEPHRINE see under **NOREPINEPHRINE**

METHYLOMONADACEAE

ENZYMOLOGY

Methane monooxygenase: purification and properties of flavoprotein component. Patel RN.
Arch Biochem Biophys 1987 Jan;252(1):229-36

Crystalline serine hydroxymethyltransferase from an obligate methylotroph, Hyphomicrobium methylovorum. Miyazaki SS, et al. **Biochem Biophys Res Commun** 1986 Aug 29; 139(1):71-8

Steady-state kinetic analysis of soluble methane mono-oxygenase from Methylococcus capsulatus (Bath). Green J, et al. **Biochem J** 1986 May 15;236(1):155-62

Purification and properties of the hydroxylase component of methane monooxygenase. Patel RN, et al.
J Bacteriol 1987 May;169(5):2313-7

Preliminary X-ray crystallographic study of methanol dehydrogenase from Methylophilus methylotrophus. Lim LW, et al. **J Mol Biol** 1986 Sep 5;191(1):141-2

GENETICS

Broad host range vectors derived from an RSF1010::Tn1 plasmid. Chistoserdov AY, et al. **Plasmid** 1986 Nov; 16(3):161-7

[Transfer of prophage Mu into methylotrophic bacteria in the plasmid RP4] Naumov GN, et al.
Mol Gen Mikrobiol Virusol 1985 Mar;(3):27-30 (Eng. Abstr.) **(Rus)**

[Transposon-mediated integration of the RP1 plasmid into chromosomes of methylotrophic bacteria] Naumov GN, et al. **Mol Gen Mikrobiol Virusol** 1986 Nov;(11):44-8 (Eng. Abstr.) **(Rus)**

[Development of a system vector-host in methylotrophic bacteria] Tsygankov IuD, et al.
Mol Gen Mikrobiol Virusol 1985 Feb;(2):3-14 (47 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Immunological characteristics of Methylomonas methanica membranes] Bezrukova LV, et al. **Mikrobiologiia** 1986 Sep-Oct;55(5):808-15 (Eng. Abstr.) **(Rus)**

METABOLISM

Bacterial oxidation of methane and methanol. Anthony C. **Adv Microb Physiol** 1986;27:113-210 (255 ref.)

METHYLPHENAZONIUM METHOSULFATE see under **PHENAZINES**

METHYLPHENIDATE

Maternal death associated with intravenous methylphenidate (Ritalin) and pentazocine (Talwin) abuse. Lundquest DE, et al. **J Forensic Sci** 1987 May;32(3):798-801

ADMINISTRATION & DOSAGE

Is there dose-dependent tolerance associated with chronic methylphenidate therapy in hyperactive children: oral dose and plasma considerations. Winsberg B, et al.
Psychopharmacol Bull 1987;23(1):107-10

ADVERSE EFFECTS

An outline of hazardous side effects of Ritalin (methylphenidate). Scarnati R. **Int J Addict** 1986 Jul; 21(7):837-41

Methylphenidate-induced mania in a prepubertal child. Koehler-Troy C, et al. **J Clin Psychiatry** 1986 Nov; 47(11):566-7

Mood response to methylphenidate in depressed patients on zimelidine [letter] Joyce PR. **J Clin Psychopharmacol** 1986 Oct;6(5):317-8

Methylphenidate-induced cardiac arrhythmias [letter] Lucas PB, et al. **N Engl J Med** 1986 Dec 4;315(23):1485

Growth of hyperkinetic children taking methylphenidate, dextroamphetamine, or imipramine/desipramine [letter] Millichap JG. **Pediatrics** 1978 Jan;61(1):146-7

ANALYSIS

Methylphenidate salivary levels in children. Greenhill LL, et al. **Psychopharmacol Bull** 1987;23(1):115-9

BLOOD

Blood levels and tolerance to stimulants in ADDH children. Swanson JM, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:523-5

Stereoselective disposition of methylphenidate in children with attention-deficit disorder. Srinivas NR, et al.
J Pharmacol Exp Ther 1987 Apr;241(1):300-6

DIAGNOSTIC USE

Prediction of relapse in schizophrenia. Lieberman JA, et al. **Arch Gen Psychiatry** 1987 Jul;44(7):597-603

Effect of methylphenidate on skin conductance in hyperactive children and its relationship to urinary peptides. Mørkrid L, et al. **J Oslo City Hosp** 1987 Apr; 37(4):35-40

Endocrine and behavioural responses to methylphenidate in depression. Joyce PR, et al. **Psychol Med** 1986 Aug; 16(3):531-40

METABOLISM

Metaphit irreversibly inhibits [3H]threo-(+/-)-methylphenidate binding to rat striatal tissue. Schweri MM, et al. **J Neurochem** 1987 Jan; 48(1):102-5

PHARMACODYNAMICS

Different patterns of local brain energy metabolism associated with high and low doses of methylphenidate. Relevance to its action in hyperactive children. Porrino LJ, et al. **Biol Psychiatry** 1987 Feb;22(2):126-38

The pharmacodynamic properties of lorazepam and methylphenidate drugs on event-related potentials and power spectral analysis in normal subjects. Berchou R, et al. **Clin Electroencephalogr** 1986 Oct;17(4):176-80

Methylphenidate and growth: demonstration of a growth impairment and a growth-rebound phenomenon. Pizzi WJ, et al. **Dev Pharmacol Ther** 1986;9(5):361-8

The effects of stimulant drugs on information processing in elderly adults. Halliday R, et al. **J Gerontol** 1986 Nov; 41(6):748-57

Pharmacology of the enantiomers of threo-methylphenidate. Patrick KS, et al. **J Pharmacol Exp Ther** 1987 Apr; 241(1):152-8

Discriminative stimulus effects of caffeine: tolerance and cross-tolerance with methylphenidate. Holtzman SG.
Life Sci 1987 Jan 26;40(4):381-9

Effects of acute and chronic methylphenidate administration on beta-endorphin, growth hormone, prolactin and cortisol in children with attention deficit disorder and hyperactivity. Weizman R, et al. **Life Sci** 1987 Jun 8; 40(23):2247-52

Methylphenidate and exercise: additive effects on motor performance, variable effects on the neuroendocrine response. Gualtieri T, et al. **Neuropsychobiology** 1986; 15(2):84-8

Testosterone dependent effects of methylphenidate on social investigatory behavior of the rat [published erratum appears in Physiol Behav 1986 Oct;38(4):597] Thor DH, et al.
Physiol Behav 1986;37(6):869-73

Role of monoamine pathways in the control of attention: effects of droperidol and methylphenidate in normal adult humans. Clark CR, et al. **Psychopharmacology (Berlin)** 1986; 90(1):28-34

Role of monoamine pathways in attention and effort: effects of clonidine and methylphenidate in normal adult humans. Clark CR, et al. **Psychopharmacology (Berlin)** 1986; 90(1):35-9

The effects of haloperidol on amphetamine- and methylphenidate-induced conditioned place preferences and locomotor activity. Mithani S, et al.
Psychopharmacology (Berlin) 1986;90(2):247-52

Does methylphenidate affect information processing? Findings from two studies on performance and P3b latency. Brumaghim JT, et al. **Psychophysiology** 1987 May; 24(3):361-73

[Excitatory effect of methylphenidate on respiration inhibited by sodium pentobarbital and its mechanism in rabbits] Shen FS, et al. **Sheng Li Hsueh Pao** 1987 Feb;39(1):76-83 (Eng. Abstr.) **(Chi)**

POISONING

Fatality resulting from methylphenidate overdose. Levine B, et al. **J Anal Toxicol** 1986 Sep-Oct;10(5):209-10

THERAPEUTIC USE

Hyperactivity, drugs and attention to features in a story. Hartley L. **Br J Clin Psychol** 1986 Sep;25 (Pt 3):233-4

Assessing and treating attention deficit disorder in adolescents. The clinical application of a single-case research design. Kutcher SP. **Br J Psychiatry** 1986 Dec; 149:710-5

Peer perceptions of hyperactivity and medication effects. Whalen CK, et al. **Child Dev** 1987 Jun;58(3):816-28

Noradrenergic and cholinergic agents in Korsakoff's syndrome. O'Donnell VM, et al. **Clin Neuropharmacol** 1986; 9(1):65-70

Responders, nonresponders, and placebo responders among children with attention deficit disorder. Importance of a blinded placebo evaluation. Ullmann RK, et al.
Clin Pediatr (Phila) 1986 Dec;25(12):594-9

Hyperactivity and methylphenidate: rate-dependent effects on attention. Rapport MD, et al.
Int Clin Psychopharmacol 1986 Jan;1(1):45-52

Methylphenidate and cognitive therapy with ADD children: a methodological reconsideration. Brown RT, et al.
J Abnorm Child Psychol 1986 Dec;14(4):481-97

Effects of continuous and partial reinforcement and methylphenidate on learning in children with attention deficit disorder. Pelham WE, et al. **J Abnorm Psychol** 1986 Nov;95(4):319-25

Effects of methylphenidate on adolescents with a childhood history of attention deficit disorder: II. Information processing. Coons HW, et al.
J Am Acad Child Adolesc Psychiatry 1987 May; 26(3):368-74

Effects of methylphenidate on adolescents with a childhood history of attention deficit disorder: I. Clinical findings. Klorman R, et al. **J Am Acad Child Adolesc Psychiatry** 1987 May;26(3):363-7

Therapeutic interventions to prevent delinquency in hyperactive boys. Satterfield JH, et al.
J Am Acad Child Adolesc Psychiatry 1987 Jan;26(1):56-64

Relationship between stimulant effect, electroencephalogram, and clinical neurological findings in hyperactive children. Halperin JM, et al. **J Am Acad Child Psychiatry** 1986 Nov; 25(6):820-5

Ineffectiveness of imipramine in children who fail to respond to methylphenidate. Winsberg BG, et al.
J Autism Dev Disord 1980 Jun;10(2):129-37

The effect of methylphenidate on school grades in children with attention deficit disorder without hyperactivity: a preliminary report. Famularo R, et al.
J Clin Psychiatry 1987 Mar;48(3):112-4

Diminished effectiveness of methylphenidate on cognitive tasks in attention deficit disorder with hyperactivity [letter] Schmidt K, et al. **J Clin Psychopharmacol** 1987 Jun; 7(3):204-5

Natural social behaviors in hyperactive children: dose effects of methylphenidate. Whalen CK, et al.
J Consult Clin Psychol 1987 Apr;55(2):187-93

Treatment of chronic closed head injury with psychostimulant drugs: a controlled case study and an appropriate evaluation procedure. Evans RW, et al.
J Nerv Ment Dis 1987 Feb;175(2):106-10

Classroom social interactions of attention deficit disorder with hyperactivity children as a function of stimulant medication. Wallander JL, et al. **J Pediatr Psychol** 1987 Mar;12(1):61-76

Time-response analysis of the effect of stimulant medication on the learning ability of children referred for hyperactivity. Swanson J, et al. **Pediatrics** 1978 Jan; 61(1):21-9

Which boys respond to stimulant medication? A controlled trial of methylphenidate in boys with disruptive behaviour. Taylor E, et al. **Psychol Med** 1987 Feb;17(1):121-43

An objective measure of methylphenidate response: clinical use of the MCA. Greenberg LM. **Psychopharmacol Bull** 1987;23(2):279-82

Prediction of relapse in schizophrenia. Lieberman JA, et al.
Psychopharmacol Bull 1986;22(3):845-53

Methylphenidate and memory: dissociated effects in hyperactive children. Evans RW, et al.
Psychopharmacology (Berlin) 1986;90(2):211-6

Hyperactivity and methylphenidate [letter] Klopper JN.
S Afr Med J 1987 Mar 7;71(5):331-2

Hyperactivity and methylphenidate [editorial] Leary PM.
S Afr Med J 1986 Sep 27;70(7):383-4

[Attention in hyperkinetic children: a signal detection analysis of the effect of methylphenidate] Rossel E.
Z Kinder Jugendpsychiatr 1987;15(1):6-17 (Eng. Abstr.) **(Ger)**

METHYLPHENOBARBITOL see **MEPHOBARBITAL**

METHYLPHENYL ETHERS see **ANISOLES**

METHYLPREDNISOLONE

Survival of Serratia marcescens in benzalkonium chloride and in multiple-dose medication vials: relationship to epidemic septic arthritis. Nakashima AK, et al.
J Clin Microbiol 1987 Jun;25(6):1019-21

ADMINISTRATION & DOSAGE

Phase II trial of methylprednisolone pulse therapy in childhood chronic thrombocytopenia. del Principe D, et al. **Acta Haematol (Basel)** 1987;77(4):226-30

Treatment of severe aplastic anemia with combined immunosuppression (antithymocyte globulin and high-dose methylprednisolone). Hinterberger-Fischer M, et al.
Acta Haematol (Basel) 1986;76(4):196-201

Symptomatic intraspinal synovial cysts: opacification and treatment by percutaneous injection. Bjorkengren AG, et al. **AJR** 1987 Jul;149(1):105-7

Seasonal allergic rhinitis and depot injection of a corticosteroid. Evaluation of the efficacy of medication early and late in the season based on detailed symptom recording. Borum P, et al. **Allergy** 1987 Jan;42(1):26-32

Epidural morphine and methylprednisolone for low-back pain. Dallas TL, et al. **Anesthesiology** 1987 Sep;67(3):408-11

Intralesional corticosteroid treatment of chalazia. Vidaurri LJ, et al. **Ann Ophthalmol** 1986 Dec;18(12):339-40

Combination of methylprednisolone pulse therapy and remission inducing drugs in rheumatoid arthritis. Hansen TM, et al. **Ann Rheum Dis** 1987 Apr;46(4):290-5

High dose intravenous methylprednisolone in treatment of recessive osteopetrosis [letter] Ozsoylu S.
Arch Dis Child 1987 Feb;62(2):214-5

Treatment of optic neuropathy with megadose corticosteroids [letter] Spoor TC. **Arch Ophthalmol** 1986

Nov;104(11):1585
Transient fall in serum salicylate levels following intraarticular injection of steroid in patients with rheumatoid arthritis. Baer PA, et al. **Arthritis Rheum** 1987 Mar;30(3):345–7
Intravenous pulse methylprednisolone treatment of juvenile dermatomyositis. Lazer RM, et al. **Arthritis Rheum** 1987 Mar;30(3):328–34
Possible danger of intra–articular steroid injection in children with respiratory tract infections [letter] Shore A, et al. **Br J Rheumatol** 1987 Feb;26(1):73
High–dose intravenous methyl–prednisolone in chronic polymyositis/dermatomyositis [letter] Castro–Gago M, et al. **Brain Dev** 1986;8(5):570
Allergic angiitis of Churg and Strauss syndrome. Response to pulse methylprednisolone. MacFadyen R, et al. **Chest** 1987 Apr;91(4):629–31
A randomized, double–blind trial comparing a pulse of 1000 with 250 mg methylprednisolone in rheumatoid arthritis. Vischer TL, et al. **Clin Rheumatol** 1986 Sep;5(3):325–6
Improved control of cisplatin–induced emesis with a combination of high doses of methylprednisolone and metoclopramide: a single–blind randomized trial. Bécouarn Y, et al. **Eur J Cancer Clin Oncol** 1986 Dec;22(12):1421–4
Pulsed methylprednisolone therapy compared to high dose prednisone in systemic lupus erythematosus nephritis. Garin EH, et al. **Eur J Pediatr** 1986 Oct;145(5):380–3
Regression of Kaposi's sarcoma after reduction of immunosuppressive therapy in a heart transplant patient. Bhoopchand A, et al. **J Heart Transplant** 1986 Nov–Dec; 5(6):461–4
Evaluation of an intensive methylprednisolone sodium succinate dosing regimen in experimental spinal cord injury. Braughler JM, et al. **J Neurosurg** 1987 Jul; 67(1):102–5
Role for steroids in treatment of Pneumocystis carinii pneumonia in AIDS [letter] Mottin D, et al. **Lancet** 1987 Aug 29;2(8557):519
Effect of high–dose glucocorticoid therapy on mortality in patients with clinical signs of systemic sepsis. The Veterans Administration Systemic Sepsis Cooperative Study Group. **N Engl J Med** 1987 Sep 10;317(11):659–65
A controlled clinical trial of high–dose methylprednisolone in the treatment of severe sepsis and septic shock. Bone RC, et al. **N Engl J Med** 1987 Sep 10;317(11):653–8
Troleandomycin and methylprednisolone for treatment of the hypereosinophilic syndrome [letter] Edwards D, et al. **N Engl J Med** 1987 Aug 27;317(9):573–4
Pretreatment with corticosteroids to alleviate reactions to intravenous contrast material. Lasser EC, et al. **N Engl J Med** 1987 Oct 1;317(14):845–9
Steroid therapy as treatment for idiopathic fibrosis of the retroperitoneum and mediastinum. Feild C, et al. **Pediatrics** 1986 Nov;78(5):936–8
Intravenous methylprednisolone efficacy in status asthmaticus of childhood. Younger RE, et al. **Pediatrics** 1987 Aug;80(2):225–30
High–dose intravenous methylprednisolone pulse therapy as initial treatment in cryptogenic fibrosing alveolitis. A pilot study. Gulsvik A, et al. **Respiration** 1986;50(4):252–7
The use of low–dose cyclosporine A in combination with azathioprine and steroids in renal transplantation. Slapak M, et al. **Transplant Proc** 1987 Apr;19(2 Suppl 2):41–5
[Treatment with superhigh corticosteroid doses (pulse therapy) of patients with the idiopathic nephrotic syndrome] Tiahkov I, et al. **Vutr Boles** 1987;26(2):27–33 (Eng. Abstr.) **(Bul)**
[Treatment of sarcoid dactylitis with brief intravenous perfusion of high–dose methylprednisolone] Menkes CJ, et al. **Ann Med Interne (Paris)** 1987;138(1):26–9 (Eng. Abstr.) **(Fre)**
[Tuberculous spinal arachnoiditis (radiculomyelitis). Efficacy of corticotherapy by intrathecal route (letter)] Durif F, et al. **Presse Med** 1987 Mar 21;16(10):494 **(Fre)**
[Methyl–prednisolone pulse therapy of recurrent peritonitis and cerebritis in systemic lupus erythematosus] Lishner M, et al. **Harefuah** 1986 Dec 15;111(12):424–5 (Eng. Abstr.) **(Heb)**
[Intra–articular orgotein and corticosteroids in rheumatoid arthritis: comparative clinical results] Amato AM, et al. **Clin Ter** 1986 Oct 31;119(2):119–25 (Eng. Abstr.) **(Ita)**
[An antiemetic effect of methylprednisolone plus droperidol against nausea and vomiting caused by administration of high–dose adriamycin to breast carcinoma patients] Adachi K, et al. **Gan To Kagaku Ryoho** 1987 Aug;14(8):2560–3 (Eng. Abstr.) **(Jpn)**
[Therapeutic results of high–dose bolus methylprednisolone and prediction of response by in vitro tests in aplastic anemia] Dan K, et al. **Rinsho Ketsueki** 1987 Jan;28(1):22–7 (Eng. Abstr.) **(Jpn)**
[Childhood idiopathic thrombocytopenic purpura—indication and evaluation of the treatment] Fujisawa K, et al. **Rinsho Ketsueki** 1986 Sep;27(9):1721–9 (Eng. Abstr.) **(Jpn)**
[Successful bolus–methylprednisolone therapy after rejection of bone marrow transplantation in severe aplastic anemia: a case report] Mizuno Y, et al. **Rinsho Ketsueki** 1986 Jun; 27(6):947–51 (Eng. Abstr.) **(Jpn)**
[Significance of corticosteroid administration including bolus methylprednisolone therapy as the preconditioning of hematopoiesis in the treatment of aplastic anemia] Shinohara K, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1823–8 (Eng. Abstr.) **(Jpn)**
[Effect of bolus methylprednisolone therapy on a case of cimetidine–associated aplastic anemia] Yao E, et al. **Rinsho Ketsueki** 1987 Jan;28(1):100–5 (Eng. Abstr.) **(Jpn)**
[Pulse therapy in severe dermato/polymyositis with respiratory paralysis] Magalhães IL, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 May–Jun; 41(3):136–40 (Eng. Abstr.) **(Por)**
[Immunological aspects of pulse therapy in systemic lupus erythematosus] Nasonov EL, et al. **Ter Arkh** 1986; 58(7):49–54 (Eng. Abstr.) **(Rus)**
[Pulse–therapy in rheumatology] Shilkina NP, et al. **Ter Arkh** 1987;59(4):115–9 (75 ref.) **(Rus)**
[Pulse therapy in the complex treatment of severe forms of Sjögren's syndrome and disease] Vasil'ev VI, et al. **Ter Arkh** 1986;58(7):117–22 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Chemical meningitis following epidural injections of corticosteroids [letter] Gutknecht DR. **Am J Med** 1987 Mar;82(3):570
Bone metabolism during methylprednisolone pulse therapy in rheumatoid arthritis. Bijlsma JW, et al. **Ann Rheum Dis** 1986 Sep;45(9):757–60
Serum and human milk IgA and zinc concentration after successful renal transplantation. Grekas D, et al. **Biol Res Pregnancy Perinatol** 1986;7(3):118–20
Severe arthralgias after wide fluctuation in corticosteroid dosage. Kahl L, et al. **J Rheumatol** 1986 Dec;13(6):1063–5
Bradycardia after high–dose intravenous methylprednisolone therapy. Tvede N, et al. **Scand J Rheumatol** 1986; 15(3):302–4
Susceptibility of the rabbit and the rat to steroid osteonecrosis—an experimental study. Gosling DC, et al. **Transplantation** 1987 May;43(5):751–3
[Acute renal failure caused by urticaria during a course of pulse therapy in a case of RA] Inokuma S, et al. **Arerugi** 1986 Jul;35(7):461–6 (Eng. Abstr.) **(Jpn)**
[Bronchospasm caused by intravenous methylprednisolone administration] Yamada J, et al. **Masui** 1986 Oct; 35(10):1574–6 (Eng. Abstr.) **(Jpn)**
[Adverse effects of methylprednisolone pulse therapy] Nygaard H, et al. **Tidsskr Nor Laegeforen** 1987 Jan 10; 107(1):31–2, 61 (Eng. Abstr.) **(Nor)**
[Arteritis of the temporal artery: loss of vision in steroid treatment (letter)] Bonet M, et al. **Med Clin (Barc)** 1986 Dec 13;87(20):867–8 **(Spa)**
[Complications of the treatment with steroid pulse therapy in rheumatoid arthritis (letter)] Cuadrado Lazano MJ, et al. **Med Clin (Barc)** 1986 Dec 13;87(20):868 **(Spa)**

ANALOGS & DERIVATIVES

Anaphylaxis following administration of intravenous methylprednisolone sodium succinate. Doezema D. **Am J Emerg Med** 1987 Jan;5(1):42–4
Compatibility of premixed theophylline and methylprednisolone sodium succinate intravenous admixtures. Johnson CE, et al. **Am J Hosp Pharm** 1987 Jul;44(7):1620–4
Methylprednisolone and gentamicin effects on hepatosplanchnic blood flow and carbohydrate metabolism in endotoxemic Yucatan miniature pigs. Fettman MJ, et al. **Am J Vet Res** 1986 Nov;47(11):2468–76
Complement activation and corticosteroid therapy in the development of the adult respiratory distress syndrome. Schein RM, et al. **Chest** 1987 Jun;91(6):850–4
Effects of methylprednisolone on renal nerve response to stimulation of medullary pressor area in endotoxin–induced hypotension. Koyama S. **Circ Shock** 1986;20(3):205–15
Superiority of methylprednisolone sodium succinate over low dose metoclopramide hydrochloride in the prevention of nausea and vomiting produced by cancer chemotherapy. Osoba D, et al. **Clin Invest Med** 1986 Nov;9(4):225–31
Intraarticular methylprednisolone acetate in knee arthrotomy. Whittaker RP, et al. **Clin Orthop** 1986 Dec; (213):172–6
Intra–articular treatment of inflammatory arthritis: double–blind trial comparing bufexamac with methylprednisolone acetate. Mielants H, et al. **Clin Rheumatol** 1987 Mar;6(1):55–60
Alclometasone dipropionate 0.05% vs hydrocortisone 1.0%: potential to induce cutaneous atrophy in children. Kuokkanen K, et al. **Clin Ther** 1987;9(2):223–31
An attempt to develop a model to study the effects of intrathecal steroids. Swai EA, et al. **Eur J Anaesthesiol** 1986 Mar;3(2):127–36
High–performance liquid chromatographic determination of methylprednisolone and methylprednisolone 21–[8–[methyl–(2–sulfoethyl)amino]–8–oxoctanoate] sodium salt in human plasma. Shah JA, et al. **J Chromatogr** 1987 Feb 20;414(1):1–10
Anaphylaxis after intravenous corticosteroid administration. McNamara RM. **J Emerg Med** 1986;4(3):213–5
Work status and response to epidural steroid injection. Warfield CA, et al. **J Occup Med** 1987 Apr;29(4):315–6
The systemic and local effects of an intramedullary injection of methylprednisolone acetate in growing rabbits. Colville MR, et al. **J Pediatr Orthop** 1987 Jul–Aug;7(4):412–4
Prostaglandin levels in a unicameral bone cyst treated by corticosteroid injection. Shindell R, et al. **J Pediatr Orthop** 1987 Mar–Apr;7(2):210–2
Alclometasone—another topical corticosteroid. **Med Lett Drugs Ther** 1987 Apr 24;29(738):42–3
The effect of corticosteroids on postoperative edema. Nordström RE, et al. **Plast Reconstr Surg** 1987 Jul; 80(1):85–7
Effects on peritoneal proteolysis and hemodynamics by high doses of methyl–prednisolone in experimental acute pancreatitis. Ruud TE, et al. **Scand J Gastroenterol [Suppl]** 1986;126:25–31
Bolus intramuscular methylprednisolone acetate as a therapeutic adjunct in rheumatoid arthritis. Kovarsky J, et al. **South Med J** 1986 Dec;79(12):1521–3
The role of laminectomy, facet rhizotomy, and epidural steroids. Oudenhoven RC. **Spine** 1979 Mar–Apr;4(2):145–7
Epidural steroid injection as a predictor of surgical outcome. Warfield CA, et al. **Surg Gynecol Obstet** 1987 May; 164(5):457–8
[Treatment of bone cysts with steroid injections] Grober A, et al. **Harefuah** 1987 Jan 15;112(2):59–62 **(Heb)**
[Spontaneous and iatrogenic subcutaneous rupture of the tendons of the hand: experimental study] Chiarelli G, et al. **Chir Organi Mov** 1986 Apr–Jun;71(2):151–7 (Eng. Abstr.) **(Ita)**
[Plasmapheresis–pulse therapy in chronic stage of Guillain–Barré syndrome—controlled study] Jyoichi T, et al. **Rinsho Shinkeigaku** 1987 Apr;27(4):479–86 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Determination of methylprednisolone in rat tissue by high–performance liquid chromatography. Jonung M, et al. **J Chromatogr** 1987 Mar 20;415(1):35–44

BLOOD

High–performance liquid chromatographic determination of methylprednisolone and methylprednisolone 21–[8–[methyl–(2–sulfoethyl)amino]–8–oxoctanoate] sodium salt in human plasma. Shah JA, et al. **J Chromatogr** 1987 Feb 20;414(1):1–10
6 alpha–Methylprednisolone and 6 alpha–methylprednisone plasma protein binding in humans and rabbits. Ebling WF, et al. **J Pharm Sci** 1986 Aug;75(8):760–3

METABOLISM

Troleandomycin effects on methylprednisolone and methylprednisone interconversion and disposition in the rabbit. Ebling WF, et al. **Eur J Drug Metab Pharmacokinet** 1987 Jan–Mar;12(1):50–7
The determination of essential clearance, volume, and residence time parameters of recirculating metabolic systems: the reversible metabolism of methylprednisolone and methylprednisone in rabbits. Ebling WF, et al. **J Pharmacokinet Biopharm** 1986 Dec;14(6):557–99
Corticosteroids and theophylline clearance. Squire EN Jr, et al. **New Engl Reg Allergy Proc** 1987 Mar–Apr;8(2):113–5
[Cortisol and methylprednisolone secretion by the nasal mucosa] Houbeau C, et al. **Acta Otorhinolaryngol Belg** 1986;40(4):582–91 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Glucocorticoids and tri–iodothyronine inhibit uptake of ascorbic acid to isolated nerve terminals from ox neurohypophyses. Thorn NA, et al. **Acta Physiol Scand** 1986 Dec;128(4):643–4
Inhibition by methylprednisolone of zymosan–induced leukotriene synthesis in alveolar macrophages. Peters–Golden M, et al. **Am Rev Respir Dis** 1987 May; 135(5):1020–6
The effect of steroids for shock on the immune response to tetanus toxoid. Johnson JR, et al. **Am Surg** 1987 Jul; 53(7):389–91
Pharmacologic enhancement of composite graft survival. Hartman DF, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jul;113(7):720–3
Changes of bile lipid composition induced by methylprednisolone. Yarimağan HS, et al. **Biochem Med Metab Biol** 1986 Feb;35(1):7–11
Lymphotoxic activity of methyl prednisolone in vitro—I. Comparative toxicity of methyl prednisolone in human cell lines of B and T origin. Millar BC, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):831–7
Corticosteroids reversibly inhibit chemotactic peptide–receptor binding and granulocyte response, yet allow desensitization and receptor down–regulation. Skubitz KM, et al. **Blood** 1986 Oct;68(4):830–6
No protection in sheep by high–dose methylprednisolone against pulmonary microvascular injury following trauma. Smith L, et al. **Circ Shock** 1986;20(4):269–80
Methylprednisolone reduces dialysis–induced degranulation of specific granules of polymorphonuclear leukocytes in patients with acute renal failure [letter] Catalano C, et al. **Clin Nephrol** 1987 Jul;28(1):48
Chronic glucocorticoid therapy amplifies glomerular injury in rats with renal ablation. Garcia DL, et al. **J Clin Invest** 1987 Sep;80(3):867–74
Methylprednisolone accelerates the ontogeny of sodium–taurocholate cotransport in rat ileal brush border membranes. Barnard JA, et al. **J Lab Clin Med** 1986 Dec; 108(6):549–55

Relationships among sodium current, permeability, and Na activities in control and glucocorticoid-stimulated rabbit descending colon. Thompson SM, et al. **J Membr Biol** 1986; 92(2):121-34

Effects of methylprednisolone and the combination of alpha-tocopherol and selenium on arachidonic acid metabolism and lipid peroxidation in traumatized spinal cord tissue. Saunders RD, et al. **J Neurochem** 1987 Jul; 49(1):24-31

Physiological and metabolic response to isolated closed-head injury. Part 2: Effects of steroids on metabolism. Potentiation of protein wasting and abnormalities of substrate utilization. Deutschman CS, et al. **J Neurosurg** 1987 Mar;66(3):388-95

Surface receptor mobilization in complement-mediated neutrophil activation: characterization and effects of methylprednisolone. Tennenberg SD, et al. **J Surg Res** 1987 Aug;43(2):143-8

Presynaptic effects of glucocorticoids on dopaminergic and cholinergic synaptosomes. Implications for rapid endocrine-neural interactions in stress. Gilad GM, et al. **Life Sci** 1987 Jun 22;40(25):2401-8

Glucocorticoid levels and lymphocyte functions in kidney transplanted patients. Langhoff E, et al. **Pharmacol Toxicol** 1987 Apr;60(4):269-73

The impact of high lymphocyte sensitivity to glucocorticoids on kidney graft survival in patients treated with azathioprine and cyclosporine. Langhoff E, et al. **Transplantation** 1987 Mar;43(3):380-4

[Age-related changes in cell content (DNA) and glycosaminoglycan-degrading enzymes (beta-glucuronidase, beta-N-acetylglucosaminidase of connective tissue and parenchymal organs of the rat caused by 6-methylprednisolone (enzyme induction, adaptation, acceleration of maturation and possible modification of aging] Lindner J, et al. **Z Gerontol** 1986 May-Jun; 19(3):190-205 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

High-dose corticosteroids as adjunct therapy in severe Pneumocystis carinii pneumonia. el-Sadr W, et al. **AIDS Res** 1986 Fall;2(4):349-55

Methylprednisolone pulse therapy in severe acute asthma. Pedersen BK, et al. **Allergy** 1987 Feb;42(2):154-7

Effects of methylprednisolone on collagen biosynthesis in healing acute myocardial infarction. Vivaldi MT, et al. **Am J Cardiol** 1987 Aug 1;60(4):424-5

Methylprednisolone for the control of CMF-induced emesis. Chiara S, et al. **Am J Clin Oncol** 1987 Jun;10(3):264-7

Pyoderma gangrenosum complicating ulcerative colitis: successful treatment with methylprednisolone pulse therapy and dapsone. Galun E, et al. **Am J Gastroenterol** 1986 Oct;81(10):988-9

Combined cyclophosphamide and corticosteroid-induced remission in severe glomerulopathy associated with systemic vasculitis. Rubinger D, et al. **Am J Nephrol** 1986; 6(5):346-52

Use of intravenous methylprednisolone in acute idiopathic thrombocytopenic purpura. Jayabose S, et al. **Am J Pediatr Hematol Oncol** 1987 Summer;9(2):133-5

Reversal of apparent tolerance to epidural morphine by epidural methylprednisolone. Feldstein GS, et al. **Anesth Analg** 1987 Mar;66(3):264-6

The slow response to therapy in a patient with multiple admissions for bronchial asthma [clinical conference] Klaustermeyer WB, et al. **Ann Allergy** 1987 Feb; 58(2):103-4, 129-30

Intravenous pulse methylprednisolone in scleritis. McCluskey P, et al. **Arch Ophthalmol** 1987 Jun;105(6):793-7

The influence of methylprednisolone on post-operative swelling following oral surgery. Holland CS. **Br J Oral Maxillofac Surg** 1987 Aug;25(4):293-9

The effects of large doses of methylprednisolone on neurologic recovery and survival in the Mongolian gerbil following three hours of unilateral carotid occlusion [published erratum appears in Cent Nerv Syst Trauma 1986 Summer;3(3):253] Braughler JM, et al. **Cent Nerv Syst Trauma** 1986 Spring;3(2):153-62

Effect of methylprednisolone, indomethacin, and diethylcarbamazine on survival rate following trauma and sepsis in rats. Hall-Angerås M, et al. **Circ Shock** 1986; 20(3):231-8

Ibuprofen and methylprednisolone in a pig Pseudomonas ARDS model. Harvey CF, et al. **Circ Shock** 1987; 21(3):175-83

Early administration of methylprednisolone promotes survival in rats with intra-abdominal sepsis. Hollenbach SJ, et al. **Circ Shock** 1986;20(2):161-8

Effects of vasodilators prostaglandin E1 and methylprednisolone on pulmonary hypertension and right ventricular performance during volume loading in porcine septic shock: a combined invasive and radionuclide study. Schneider AJ, et al. **Circ Shock** 1987;22(2):141-54

Methylprednisolone pulse therapy in conjunction with azathioprine in rheumatoid arthritis. Bijlsma JW, et al. **Clin Rheumatol** 1986 Dec;5(4):499-504

Controlled study of steroid withdrawal after 6 months in renal transplant patients treated with ciclosporin. Cristinelli L, et al. **Contrib Nephrol** 1986;51:91-5

Ciclosporin alone or associated with steroid for immunosuppression of cadaveric renal transplants? De Vecchi A, et al. **Contrib Nephrol** 1986;51:88-90

Effect of corticosteroid prophylaxis on lipopolysaccharide levels associated with intestinal ischemia in cats. Gaffin SL, et al. **Crit Care Med** 1986 Oct;14(10):889-91

Treatment of aplastic anemia with antithymocyte globulin, high-dose corticosteroids, and androgens. Doney K, et al. **Exp Hematol** 1987 Mar;15(3):239-42

A double-blind, placebo-controlled study of the use of methylprednisolone in infertile men with sperm-associated immunoglobulins. Haas GG Jr, et al. **Fertil Steril** 1987 Feb; 47(2):295-301

Controlled trial of intravenous metronidazole as an adjunct to corticosteroids in severe ulcerative colitis. Chapman RW, et al. **Gut** 1986 Oct;27(10):1210-2

Methylprednisolone in cis-platinum induced nausea and emesis: a placebo-controlled trial. Metz CA, et al. **Gynecol Oncol** 1987 May;27(1):84-9

Plasma exchange therapy for severe Graves' ophthalmopathy. Glinoer D, et al. **Horm Res** 1987; 26(1-4):184-9

Orbital cobalt radiotherapy and systemic or retrobulbar corticosteroids for Graves' ophthalmopathy. Pinchera A, et al. **Horm Res** 1987;26(1-4):177-83

Treatment of bone cysts with methylprednisolone acetate. A 9 to 11 year follow-up. de Palma L, et al. **Int Orthop** 1987;11(1):23-8

Fat embolism and the fat embolism syndrome. A double-blind therapeutic study. Lindeque BG, et al. **J Bone Joint Surg [Br]** 1987 Jan;69(1):128-31

Steroid administration after myocardial infarction promotes early infarct expansion. A study in the rat. Mannisi JA, et al. **J Clin Invest** 1987 May;79(5):1431-9

A double-blind controlled trial of high dose methylprednisolone in patients with multiple sclerosis: 2. Laboratory results. Compston DA, et al. **J Neurol Neurosurg Psychiatry** 1987 May;50(5):517-22

A double-blind controlled trial of high dose methylprednisolone in patients with multiple sclerosis: 1. Clinical effects. Milligan NM, et al. **J Neurol Neurosurg Psychiatry** 1987 May;50(5):511-6

Effect of methylprednisolone on radiotherapy of F344 rats with avian sarcoma virus induced gliomas. El-Hennawi Y, et al. **J Neurooncol** 1987;4(3):309-13

Corticosteroids in treatment of obstructive lesions of chronic granulomatous disease. Chin TW, et al. **J Pediatr** 1987 Sep; 111(3):349-52

A nonglucocorticoid steroid analog of methylprednisolone duplicates its high-dose pharmacology in models of central nervous system trauma and neuronal membrane damage. Hall ED, et al. **J Pharmacol Exp Ther** 1987 Jul; 242(1):137-42

Bolus methylprednisolone therapy in adult idiopathic thrombocytopenic purpura. Yoshida K, et al. **Jpn J Med** 1987 May;26(2):172-5

Treatment of aplastic anemia with cyclosporin A, methylprednisolone, and antithymocyte globulin. Frickhofen N, et al. **Klin Wochenschr** 1986 Nov 17; 64(22):1165-70

Effect of methylprednisolone and cyclophosphamide in mercury-induced autoimmune glomerulonephritis. Pelletier L, et al. **Nephrol Dial Transplant** 1987;2(1):2-9

Treatment of childhood prednisone-resistant nephrotic syndrome and focal segmental glomerulosclerosis with intravenous methylprednisolone and oral alkylating agents. Griswold WR, et al. **Nephron** 1987;46(1):73-7

Epidural morphine and methylprednisolone. New therapy for recurrent low-back pain. Cohn ML, et al. **Spine** 1986 Nov;11(9):960-3

[Methylprednisolone and plasma exchange in renal allograft rejections] Dechelette E, et al. **Ann Med Interne (Paris)** 1986;137 Suppl:31-5 **(Fre)**

[Value of methylprednisolone in the treatment of systemic necrotizing vasculitis. Results in 15 patients] Jarrousse B, et al. **Ann Med Interne (Paris)** 1986;137 Suppl:23-6 **(Fre)**

[Short-term therapy with methylprednisolone in exacerbated obstructive respiratory tract diseases] Möller M. **Prax Klin Pneumol** 1987 Jan;41(1):19-22 (Eng. Abstr.) **(Ger)**

[A randomized control study of the antiemetic efficacy of betamethasone versus methylprednisolone] Matsui K, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):3005-9 (Eng. Abstr.) **(Jpn)**

[A case of SLE under steroid-treatment who developed pulmonary tuberculosis, subcutaneous tuberculous abscess and disseminated calcifications in the spleen] Toyoda T, et al. **Kekkaku** 1986 Sep;61(9):461-5 (Eng. Abstr.) **(Jpn)**

[Synergistic effects of methylprednisolone and high-frequency jet ventilation on oleic acid-induced pulmonary edema] Kondo T, et al. **Kokyu To Junkan** 1986 Aug;34(8):883-9 (Eng. Abstr.) **(Jpn)**

[Effectiveness of pulse-therapy in seronegative spondyloarthritis (preliminary report)] Burdeinyĭ AP, et al. **Ter Arkh** 1987;59(4):84-6 (Eng. Abstr.) **(Rus)**

[Cancer pain: treatment with 6-alpha-methyl-prednisone] Rodríguez López MJ, et al. **Rev Esp Anestesiol Reanim** 1987 Jan-Feb;34(1):36-8 (Eng. Abstr.) **(Spa)**

TOXICITY

Experimental bone marrow alterations following single and multiple high-dose steroids in rabbits. Le Parc JM, et al. **Appl Pathol** 1987;5(3):198-200

METHYLPREDNISOLONE SUCCINATE see under **METHYLPREDNISOLONE**

METHYLPROMAZINE see **TRIMEPRAZINE**

METHYLROSANILINE CHLORIDE see **GENTIAN VIOLET**

METHYLSTANAZOL see **STANOZOLOL**

METHYLSULFADIAZINE see **SULFAMERAZINE**

METHYLTESTOSTERONE

ADVERSE EFFECTS

Severe cholestasis associated with methyltestosterone: a case report. Lucey MR, et al. **Am J Gastroenterol** 1987 May; 82(5):461-2

PHARMACODYNAMICS

Stimulatory effects of methyltestosterone on pituitary gonadotropic cells and testes leydig cells of the three-spined stickleback, Gasterosteus aculeatus L., in winter. Borg B, et al. **Gen Comp Endocrinol** 1986 Apr; 62(1):54-61

[Cholesterol and phospholipid content of cells sensitive and resistant to ethidium bromide and its alteration in resistant cells as affected by methyltestosterone] Ganelina LSh, et al. **Tsitologiia** 1986 Oct;28(10):1085-90 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Comparison of the effect of methyltestosterone and testosterone undecanoate in substitution therapy of hypogonadism] Hána V, et al. **Cas Lek Cesk** 1987 Mar 20;126(12):369-73 (Eng. Abstr.) **(Cze)**

METHYLTHIOINOSINE see under **INOSINE**

METHYLTHIONINE CHLORIDE see **METHYLENE BLUE**

METHYLTHIOURACIL

ANALYSIS

Determination of thyreostatics in meat by reversed-phase liquid chromatography with ultraviolet and electrochemical detection. Hooijerink H, et al. **J Chromatogr** 1987 May 22;394(2):403-7

BLOOD

[Misuse of thyrostatic drugs in cattle: determination of thyroxine (T4) concentration and thyroid weight and detection of methylthiouracil (MTU)] Venzin I, et al. **Schweiz Arch Tierheilkd** 1986 Sep;128(9):443-58 (Eng. Abstr.) **(Ger)**

METABOLISM

[Detection of the thyrostatic drug methylthiouracil (MTU) using high performance liquid chromatography (HPLC) and high performance thin layer chromatography in tissues and tissue extracts of fattening cattle] Blum J, et al. **Schweiz Arch Tierheilkd** 1986 Aug;128(8):419-24 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

The effects of 4-methyl-2-thiouracil on fibre type and cross-sectional area in the soleus muscle of the rat. Rajikin MH, et al. **Clin Exp Pharmacol Physiol** 1986 Oct; 13(10):723-9

Effects of propylthiouracil and methylthiouracil on cyclic AMP and ion movements in rat pancreatic islets. Mark M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Feb; 335(2):194-9

METHYLTRANSFERASES

ANALYSIS

O6-methylguanine-DNA methyltransferase in human fetal tissues: fetal and maternal factors. D'Ambrosio SM, et al. **Cancer Res** 1987 Jan 1;47(1):51-5

Differential cytotoxicity and DNA-damaging effects produced in human cells of the Mer+ and Mer- phenotypes by a series of 1-aryl-3-alkyltriazenes. Gibson NW, et al. **Cancer Res** 1986 Oct;46(10):4999-5003

Combined effects of streptozotocin and mitozolomide against four human cell lines of the Mer+ phenotype. Gibson NW, et al. **Cancer Res** 1986 Oct;46(10):4995-8

Cross-sensitivity of methylating agents, hydroxyurea, and methotrexate in human tumor cells of the Mer- phenotype. Maynard K, et al. **Cancer Res** 1986 Oct;46(10):5009-13

O6-methylguanine-DNA methyltransferase activity and sensitivity to N-methyl-N'-nitro-nitrosoguanidine during human T-lymphocyte differentiation. Cohen A, et al. **Carcinogenesis** 1986 Nov;7(11):1877-9

Localization of hydroxyindole-O-methyltransferase-like immunoreactivity in photoreceptors and cone bipolar cells

in the human retina: a light and electron microscope study. Wiechmann AF, et al. **J Comp Neurol** 1987 Apr 8; 258(2):253–66

N-methylation of phenylpyridines and bispyridyls as a potential toxication route: tissue distribution of azaheterocycle N-methyltransferase activity in the rabbit. Godin CS, et al. **Toxicol Lett** 1986 Dec;34(2–3):217–22

[Regional distribution of free amino acids and folate in the brain and spinal cord of patients with amyotrophic lateral sclerosis] Yoshino Y, et al. **Rinsho Shinkeigaku** 1987 Feb; 27(2):143–50 (Eng. Abstr.) **(Jpn)**

[Study of the substrate-induced changes in the state of Eco dam methylase using a method of small-angle x-ray scattering] Tuzikov FV, et al. **Mol Biol (Mosk)** 1986 Jul–Aug;20(4):1002–7 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

In vivo inhibition of mouse liver methyltransferase enzymes following treatment with 2'-deoxycoformycin and 2'-deoxyadenosine. Renshaw J, et al. **Adv Exp Med Biol** 1986;195 Pt B:673–5

Inhibition of O6-alkylguanine-DNA-alkyltransferase activity potentiates cytotoxicity and induction of SCEs in human glioma cells resistant to 1,3-bis(2-chloroethyl)-1-nitrosourea. Aida T, et al. **Carcinogenesis** 1987 Sep;8(9):1219–23

Regulation of the activity of histamine-N-methyltransferase from guinea pig skin by biogenic amines. Tachibana T, et al. **Exp Mol Pathol** 1986 Dec;45(3):257–69

In vitro inactivation of methionine synthase by nitrous oxide. Frasca V, et al. **J Biol Chem** 1986 Dec 5;261(34):15823–6

Inactivation of rat pineal hydroxyindole-O-methyltransferase by disulfide-containing compounds. Sugden D, et al. **J Biol Chem** 1987 May 15;262(14):6489–93

Mechanism of inhibition of bovine pineal gland hydroxyindole-O-methyltransferase (EC 2.1.1.4) by divalent cations. Morton DJ. **J Pineal Res** 1987; 4(3):295–303

[Changes in free amino acids in nerve tissue of rats due to inhibition of N5-methyltetrahydrofolate homocysteine methyltransferase activity] Tsuchiya M. **Rinsho Shinkeigaku** 1986 Oct;26(10):999–1008 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Stimulation of adipocyte phospholipid methyltransferase activity by phorbol 12-myristate 13-acetate. Differential regulation of phospholipid methyltransferase and lipolysis. Kelly KL. **Biochem J** 1987 Feb 1;241(3):917–21

Enhancement of O6-methylguanine-DNA-methyltransferase activity induced by various treatments in mammalian cells. Lefebvre P, et al. **Cancer Res** 1986 Nov;46(11):5701–5

DNA methyltransferase induced by PBCV-1 virus infection of a Chlorella-like green alga. Xia YN, et al. **Mol Cell Biol** 1986 May;6(5):1440–5

BLOOD

Phosphatidylethanolamine methyltransferase and cAMP, cGMP phosphodiesterases in lymphocytes and monocytes in sarcoidosis. Pacheco Y, et al. **Clin Chim Acta** 1987 Mar 30;163(3):267–77

Methionine synthetase activity of human lymphocytes both replete in and depleted of vitamin B12. Hall CA, et al. **J Lab Clin Med** 1986 Oct;108(4):325–31

Lymphocyte and granulocyte phosphatidylethanolamine N-methyltransferase: properties and activity in cystic fibrosis. Davis PB. **Pediatr Res** 1986 Dec;20(12):1290–6

DEFICIENCY

Vitamin B12-responsive neonatal megaloblastic anemia and homocystinuria with associated reduced methionine synthase activity. Hallam LJ, et al. **Blood** 1987 Apr; 69(4):1128–33

A decrease in glycine cleavage activity in the liver of a patient with dihydrolipoyl dehydrogenase deficiency. Yoshino M, et al. **J Inherited Metab Dis** 1986;9(4):399–400

GENETICS

Distribution of erythromycin esterase and rRNA methylase genes in members of the family Enterobacteriaceae highly resistant to erythromycin. Arthur M, et al. **Antimicrob Agents Chemother** 1987 Mar;31(3):404–9

Pharmacogenetics of methyl conjugation and thiopurine drug toxicity. Weinshilboum R. **Bioessays** 1987 Aug;7(2):78–82

Expression in mammalian cells of a truncated Escherichia coli gene coding for O6-alkylguanine alkyltransferase reduces the toxic effects of alkylating agents. Brennand J, et al. **Carcinogenesis** 1986 Dec;7(12):2081–4

Chinese hamster cells harbouring the Escherichia coli O6-alkylguanine alkyltransferase gene are less susceptible to sister chromatid exchange induction and chromosome damage by methylating agents. White GR, et al. **Carcinogenesis** 1986 Dec;7(12):2077–80

Thiopurine pharmacogenetics in leukemia: correlation of erythrocyte thiopurine methyltransferase activity and 6-thioguanine nucleotide concentrations. Lennard L, et al. **Clin Pharmacol Ther** 1987 Jan;41(1):18–25

Overproduction of the Bacillus sphaericus R modification methylase in Escherichia coli and its purification to homogeneity. Posfai G, et al. **Gene** 1986;50(1–3):63–7

The metH gene from Salmonella typhimurium LT2: cloning and initial characterization. Urbanowski ML, et al. **Gene** 1986;44(2–3):211–7

Spontaneous mutations occur near dam recognition sites in a dam- Escherichia coli host. Carraway M, et al. **Genetics** 1987 Jul;116(3):343–7

Translational autoregulation of ermC 23S rRNA methyltransferase expression in Bacillus subtilis. Denoya CD, et al. **J Bacteriol** 1986 Dec;168(3):1133–41

A new methionine locus, metR, that encodes a trans-acting protein required for activation of metE and metH in Escherichia coli and Salmonella typhimurium. Urbanowski ML, et al. **J Bacteriol** 1987 Apr;169(4):1391–7

Molecular cloning and nucleotide sequence of cDNA encoding hydroxyindole O-methyltransferase of bovine pineal glands. Ishida I, et al. **J Biol Chem** 1987 Feb 25; 262(6):2895–9

dam methylation in the archaebacteria. Lodwick D, et al. **J Gen Microbiol** 1986 Nov;132 (Pt 11):3055–9

Mouse thiopurine methyltransferase pharmacogenetics: monogenic inheritance. Otterness DM, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):817–24

Human lymphocyte thiopurine methyltransferase pharmacogenetics: effect of phenotype on 6-mercaptopurine-induced inhibition of mitogen stimulation. Van Loon JA, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):21–6

Separate regulatory systems for the repression of metE and btuB by vitamin B12 in Escherichia coli. Lundrigan MD, et al. **MGG** 1987 Mar;206(3):401–7

Expression of the truncated E. coli O6-methylguanine methyltransferase gene in repair-deficient human cells and restoration of cellular resistance to alkylating agents. Ishizaki K, et al. **Mutat Res** 1987 Sep;184(2):121–8

Induction of the SOS system in a dam-3 mutant: a diagnostic strain for chemicals causing DNA mismatches. Quillardet P, et al. **Mutat Res** 1987 Mar;177(1):17–26

Sequence of the adenine methylase gene of the Streptococcus faecalis plasmid pAM beta 1. Brehm J, et al. **Nucleic Acids Res** 1987 Apr 10;15(7):3177

Escherichia coli K-12 restricts DNA containing 5-methylcytosine. Raleigh EA, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9070–4

[Expression of cloned gene for methyltransferase from Bacillus subtilis bacteriophage SPbetaB] Baldauf F, et al. **Mol Gen Mikrobiol Virusol** 1985 Feb;(2):26–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Monoclonal antibodies to hydroxyindole O-methyltransferase from bovine pineal gland. Deguchi T, et al. **Brain Res** 1987 Jul;388(2):89–98

ISOLATION & PURIFICATION

Enzymatic synthesis of lignin: purification to homogeneity of the three O-methyltransferases of tobacco and production of specific antibodies. Hermann C, et al. **Arch Biochem Biophys** 1987 Mar;253(2):367–76

Purification of phospholipid methyltransferase from rat liver microsomal fraction. Pajares MA, et al. **Biochem J** 1986 Aug 1;237(3):699–705

Isolation and characterization of a nucleolar 2'-O-methyltransferase from Ehrlich ascites tumor cells. Eichler DC, et al. **Biochemistry** 1987 Mar 24;26(6):1639–44

Purification and properties of calmodulin-lysine N-methyltransferase from rat brain cytosol. Morino H, et al. **J Neurochem** 1987 Apr;48(4):1201–8

Purification of rat pineal hydroxyindole-O-methyltransferase using S-adenosyl-L-homocysteine agarose chromatography. Sugden D, et al. **J Pineal Res** 1986; 3(4):389–95

Amine N-methyltransferases. Ansher SS, et al. **Methods Enzymol** 1987;142:660–7

Indoleamine N-methyltransferase from rabbit lung. Porta R. **Methods Enzymol** 1987;142:668–74

Isolation and purification of O6-alkylguanine-DNA alkyltransferase from human leukemic cells. Prevention of chloroethylnitrosourea-induced cross-links by purified enzyme. Brent TP. **Pharmacol Ther** 1985;31(1–2):121–40 (45 ref.)

[Separation of modification methylation and restriction enzymes from Shigella sonnei 47] Kartashova IM, et al. **Mol Gen Mikrobiol Virusol** 1985 Apr;(4):31–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Histamine levels and activity of histidine decarboxylase (HD) and histamine-methyltransferase (HMT) in neonate and adult human brain. Nowak JZ, et al. **Agents Actions** 1987 Apr;20(3–4):248–51

The effect of hypertonic saline administration or stalk transection on histamine and histamine N-methyltransferase in the rat posterior pituitary. Verburg KM, et al. **Agents Actions** 1986 Aug;18(5–6):494–8

Increased methionine synthetase activity in zinc-deficient rat liver. Tamura T, et al. **Arch Biochem Biophys** 1987 Jul; 256(1):311–6

Evidence that O6-alkylguanine-DNA alkyltransferase becomes covalently bound to DNA containing 1,3-bis(2-chloroethyl)-1-nitrosourea-induced precursors of interstrand cross-links. Brent TP, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):341–7

N-acetyltransferase activity, hydroxyindole-O-methyltransferase activity, and melatonin levels in the Harderian glands of the female Syrian hamster: changes during the light:dark cycle and the effect of 6-parachlorophenylalanine administration. Menendez-Pelaez A, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1231–8

Time dependence of the methylation of myelin basic protein from bovine brain; evidence for protein-methylarginine demethylation. Young PR, et al. **Biochem Biophys Res Commun** 1987 Jan 15;142(1):200–4

Isolation and characterization of the M.EaeI modification methylase [published erratum appears in Biochem J 1986 Dec 15;240(3):following 933] Jacobs D, et al. **Biochem J** 1986 Sep 1;238(2):613–6

Protein kinase C catalyses the phosphorylation and activation of rat liver phospholipid methyltransferase. Villalba M, et al. **Biochem J** 1987 Feb 1;241(3):911–6

Antitumor imidazotetrazines—XV. Role of guanine O6 alkylation in the mechanism of cytotoxicity of imidazotetrazinones. Tisdale MJ. **Biochem Pharmacol** 1987 Feb 15;36(4):457–62

The specificity of rat liver phospholipid methyltransferase for lyso derivatives and diacyl derivatives of phosphatidylethanolamine. Audubert F, et al. **Biochim Biophys Acta** 1987 Jul 13;920(1):26–36

Phosphatidylethanolamine methyltransferase: evidence for influence of diet fat on selectivity of substrate for methylation in rat brain synaptic plasma membranes. Hargreaves KM, et al. **Biochim Biophys Acta** 1987 Apr 3;918(2):97–105

Inhibition by insulin of glucagon-dependent phospholipid methyltransferase phosphorylation in rat hepatocytes. Merida I, et al. **Biochim Biophys Acta** 1987 Apr 2; 928(1):92–7

Suppression of nuclear ADP-ribosyltransferase activity in regenerating rat liver by 5-azacytidine and its relevance to the nuclear methylating activities. Hoshino J, et al. **Cancer Lett** 1987 Jun;35(3):245–51

Formation of DNA interstrand cross-links by the novel chloroethylating agent 2-chloroethyl(methylsulfonyl)methanesulfonate: suppression by O6-alkylguanine-DNA alkyltransferase purified from human leukemic lymphoblasts. Brent TP, et al. **Cancer Res** 1987 Jul 1;47(13):3384–7

The O6-methylguanine-DNA-methyltransferase activity of rat hepatoma cells is increased after a single exposure to alkylating agents. Frosina G, et al. **Carcinogenesis** 1987 Jan; 8(1):91–5

N-methyl-N'-nitro-N-nitrosoguanidine-resistant HeLa S3 cells still have little O6-methylguanine-DNA methyltransferase activity and are hypermutable by alkylating agents. Ishida R, et al. **Carcinogenesis** 1987 Aug; 8(8):1109–13

O6-methylguanine DNA methyltransferase activity in liver from various fish species. Nakatsuru Y, et al. **Carcinogenesis** 1987 Aug;8(8):1123–7

Hemimethylation prevents DNA replication in E. coli. Russell DW, et al. **Cell** 1987 Sep 25;50(7):1071–9

Induction of rat liver O6-alkylguanine-DNA alkyltransferase by bleomycin. Schmerold I, et al. **Chem Biol Interact** 1986 Dec;60(3):297–304

Phosphatidylethanolamine methyltransferase activity in chick liver microsomes. Marino A, et al. **Comp Biochem Physiol [B]** 1986;85(4):795–803

Mouse liver thiol methyltransferase. Assay conditions, biochemical properties, and strain variation. Otterness DM, et al. **Drug Metab Dispos** 1986 Nov–Dec;14(6):680–8

Variations of phospholipid methyltransferase(s) activity in the rat pituitary: estrous cycle and sex differences. Drouva SV, et al. **Endocrinology** 1987 Aug;121(2):569–74

Estradiol activates methylating enzyme(s) involved in the conversion of phosphatidylethanolamine to phosphatidylcholine in rat pituitary membranes. Drouva SV, et al. **Endocrinology** 1986 Dec;119(6):2611–22

Hormonal regulation of phospholipid methyltransferase by 3',5'-cyclic adenosine monophosphate-dependent and independent mechanisms. Kelly KL, et al. **Endocrinology** 1987 Jun;120(6):2421–7

Formation of formaldehyde from S-adenosyl-L-[methyl-3H]methionine during enzymic transmethylation of histamine. Huszti Z, et al. **FEBS Lett** 1986 Dec 15;209(2):362–6

The polar head group of a novel insulin-sensitive glycophospholipid mimics insulin action on phospholipid methyltransferase. Kelly KL, et al. **FEBS Lett** 1986 Dec 15;209(2):238–42

In situ distribution of EcoRI methylase and restriction endonuclease in cells of Escherichia coli Bs 5. Kohring GW, et al. **FEBS Lett** 1987 Jun 1;216(2):207–10

dam methylase from E. coli. Circular dichroism investigations of the secondary structure and influence of S-adenosylmethionine. Kriebardis A, et al. **FEBS Lett** 1987 Mar 23;213(2):297–300

Seasonal changes in pineal melatonin content and hydroxyindole-O-methyltransferase activity in juvenile chinook salmon, Oncorhynchus tshawytscha. Birks EK, et al. **Gen Comp Endocrinol** 1986 Oct;64(1):91–8

Adaptive response to alkylating agents in mammalian cells.

Laval F. **IARC Sci Publ** 1986;(70):321–5
Properties and topology of enzymes methylating phosphatidylethanolamine to phosphatidylcholine in sarcoplasmic reticulum. Pilarska M, et al. **Int J Biochem** 1987;19(8):705–11
Site and substrate specificity of the ermC 23S rRNA methyltransferase. Denoya CD, et al. **J Bacteriol** 1987 Aug; 169(8):3857–60
Site-specific methylases induce the SOS DNA repair response in Escherichia coli. Heitman J, et al. **J Bacteriol** 1987 Jul;169(7):3243–50
Multiple species of Bacillus subtilis DNA alkyltransferase involved in the adaptive response to simple alkylating agents. Morohoshi F, et al. **J Bacteriol** 1987 Feb; 169(2):587–92
Methylation-dependent transcription controls plasmid replication of the CloDF13 cop-1(Ts) mutant. van Putten AJ, et al. **J Bacteriol** 1986 Nov;168(2):728–33
Structure of a polysaccharide containing galactose and galacturonic acid from Rhizobium meliloti. Characterization and partial purification of a 2-O-methyltransferase. Coira JA, et al. **J Biol Chem** 1987 Aug 5;262(22):10601–7
Methoxyindole production by the pineal gland appears to be dependent on the concentration of hydroxy precursors and their affinity for hydroxyindole-O-methyltransferase. Morton DJ. **J Endocrinol** 1986 Oct;111(1):133–6
Sites of action of two ribosomal RNA methylases responsible for resistance to aminoglycosides. Beauclerk AA, et al. **J Mol Biol** 1987 Feb 20;193(4):661–71
Biphasic changes in the sarcolemmal phosphatidylethanolamine N-methylation activity in catecholamine-induced cardiomyopathy. Okumura K, et al. **J Mol Cell Cardiol** 1987 Apr;19(4):357–66
Effect of various cations on the activity of pineal gland N-acetyltransferase (EC 2.3.1.5) and hydroxyindole-O-methyl transferase (EC 2.1.1.4) in vitro. Morton DJ. **J Pineal Res** 1987;4(2):161–7
Tryptophan C-methyltransferase of Streptomyces flocculus. Speedie MK. **Methods Enzymol** 1987;142:235–42
Hydroxyindole O-methyltransferase. Sugden D, et al. **Methods Enzymol** 1987;142:590–6
Transfer of the E. coli O6-methylguanine methyltransferase gene into repair-deficient human cells and restoration of cellular resistance to N-methyl-N'-nitro-N-nitrosoguanidine. Ishizaki K, et al. **Mutat Res** 1986 Sep;166(2):135–41
O6-methylguanine-DNA methyltransferase and alkylation of liver DNA in mice exposed to dimethylnitrosamine during dietary deficiency of essential amino acids. Klaude M, et al. **Mutat Res** 1987 May;183(3):287–94
Difference in O6-methylguanine methyltransferase activity among transformed NIH3T3 cell clones. Mitani H, et al. **Mutat Res** 1987 Jul-Aug;191(3–4):201–5
Effects of an earth-strength magnetic field on pineal melatonin synthesis in pigeons. Reuss S, et al. **Naturwissenschaften** 1987 Jan;74(1):38–9
Rhythmic melatonin biosynthesis in a photoreceptive pineal organ: a study in the pike. Falcón J, et al. **Neuroendocrinology** 1987 Jun;45(6):479–86
The protein subunits of the double-stranded RNA dependent RNA polymerase and methyltransferase of the cytoplasmic polyhedrosis virus of silkworm, Bombyx mori. Dai RM, et al. **Sci Sin [B]** 1986 Dec;29(12):1267–72
[Specificity of action of DNA methylases BcnI, CfrI and Cfr10I] Klimashauskas SI, et al. **Mol Biol (Mosk)** 1987 Jan-Feb;21(1):87–92 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Quantitation of DNA repair capacities of human tumor cells by estimation of transfer of DNA adducts to repair proteins. Yarosh DB. **Pharmacol Ther** 1985;31(1–2):141–51 (67 ref.)

PHYSIOLOGY

Role of N-methyltransferases in the neurotoxicity associated with the metabolites of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) and other 4-substituted pyridines present in the environment. Ansher SS, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3359–63
Biological role of DNA methylation: sequence-specific single-strand breaks associated with hypomethylation of GATC sites in Escherichia coli DNA. Szyf M, et al. **J Bacteriol** 1986 Dec;168(3):1487–90
Comparative analysis of O6-methylguanine methyltransferase activity and cellular sensitivity to alkylating agents in cell strains derived from a variety of animal species. Ikenaga M, et al. **Mutat Res** 1987 Sep; 184(2):161–8

METHYLTYROSINES

PHARMACODYNAMICS

Effects of alpha-methylparatyrosine on voluntary consumption of ethanol, water, and solid food in UChA and UChB rats. Contreras S, et al. **Alcoholism (NY)** 1987 Jun;11(3):238–9
Nucleus tractus solitarius: an evaluation by in vivo voltammetry. Bhaskaran D, et al. **Life Sci** 1987 Jul 20; 41(3):323–31
Differential effects of alpha-methyl-p-tyrosine and 6-hydroxydopamine on pentylenetetrazol seizures in mice. Abed WT. **Pharmacol Biochem Behav** 1986 Nov; 25(5):949–52
Differences in the effects of morphine on the alpha-methyl-p-tyrosine-induced depletion of dopamine and noradrenaline in various areas of the mouse brain. Martti L, et al. **Pharmacol Toxicol** 1987 Jul;61(1):26–32
[The effect of alpha-methyltyrosine on electro-acupuncture analgesia of the rat] Cui RJ, et al. **Chen Tzu Yen Chiu** 1986;11(1):54–6 (Eng. Abstr.) **(Chi)**

METHYLUREA COMPOUNDS

POISONING

[Clinico-experimental research on acute isoproturon poisoning in sheep] Mikhailov G, et al. **Vet Med Nauki** 1987;24(2):30–5 (Eng. Abstr.) **(Bul)**

TOXICITY

[Determining the maximum permissible exposure level of cotoran in atmospheric air with calculation of its late effects] Kasymov RA. **Gig Sanit** 1986 Aug;(8):80–2 **(Rus)**

METHYLXANTHINE RECEPTORS see **RECEPTORS, PURINERGIC**

METHYMAZOL see **METHIMAZOLE**

METHYPREGNONE see **MEDROXYPROGESTERONE**

METHYPRYLON

ANALOGS & DERIVATIVES

Central effects of N-allyl,N'-methyl-barbital and N-allylmethyprylon in mice. Yamamoto I, et al. **Res Commun Chem Pathol Pharmacol** 1986 Nov;54(2):191–9

METABOLISM

Ocular distribution of methyprylon after intravenous injection and transfer of the drug to recipient eye via corneal graft. Basu PK, et al. **Can J Ophthalmol** 1986 Aug; 21(5):162–6

METHYSERGIDE

ADMINISTRATION & DOSAGE

Phencyclidine-induced head-twitch response in rats treated chronically with methysergide. Nabeshima T, et al. **Eur J Pharmacol** 1987 Jan 20;133(3):319–28
Chronic beta-adrenergic stimulation increases in mice the sensitivity to methysergide and the number of cerebral high affinity serotonin binding sites (5-HT-1). Frances H, et al. **J Neural Transm** 1986;67(3–4):215–24

ADVERSE EFFECTS

St. Anthony's fire, then and now: a case report and historical review. Tanner JR. **Can J Surg** 1987 Jul;30(4):291–3 (19 ref.)
Methysergide-induced lower extremity arterial insufficiency. Dorne HL, et al. **J Can Assoc Radiol** 1986 Sep;37(3):210–2
Methysergide and retroperitoneal fibrosis [letter] Mitchinson MJ. **Lancet** 1987 Apr 11;1(8537):870
Methysergide and retroperitoneal fibrosis [letter] Reimund E. **Lancet** 1987 Feb 21;1(8530):443
[Serious adverse effects of methysergide] Hansen G, et al. **Tidsskr Nor Laegeforen** 1986 Sep 20;106(26):2160–2 (Eng. Abstr.) **(Nor)**

PHARMACODYNAMICS

Antagonism by methysergide of neurogenic vasoconstriction in the dog forelimb. Jandhyala BS, et al. **Fed Proc** 1987 Feb;46(2):276–80
Effects of methysergide on the cough reflex. Kamei J, et al. **Jpn J Pharmacol** 1986 Nov;42(3):450–2
Allosteric properties of the 5-HT2 receptor system of the rat tail artery. Ritanserin and methysergide are not competitive 5-HT2 receptor antagonists but allosteric modulators. Frenken M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Apr; 335(4):359–66
Prenatal alcohol exposure and offspring hyperactivity: effects of para-chlorophenylalanine and methysergide. Bond NW. **Neurobehav Toxicol Teratol** 1986 Nov-Dec;8(6):667–73
Methysergide-induced precipitated withdrawal syndrome in phencyclidine-dependent rats. Nabeshima T, et al. **Neurosci Lett** 1986 Sep 12;69(3):275–8
Influence of p-chloroamphetamine and methysergide on the escape deficits provoked by inescapable shock. Hamilton ME, et al. **Psychopharmacology (Berlin)** 1986;90(2):203–6

THERAPEUTIC USE

5-Hydroxytryptophan versus methysergide in the prophylaxis of migraine. Randomized clinical trial. Titus F, et al. **Eur Neurol** 1986;25(5):327–9
Inhibition of immune-mediated low-dose streptozotocin diabetes by agents which reduce vascular permeability. Schwab E, et al. **Immunopharmacology** 1986 Aug; 12(1):17–21
Prophylaxis of migraine attacks with a calcium-channel blocker: flunarizine versus methysergide. Steardo L, et al. **J Clin Pharmacol** 1986 Sep-Oct;26(7):524–8
Transparently blinded trials of methysergide [letter] Gaudet RJ, et al. **N Engl J Med** 1987 Jan 29;316(5):279–80

METIAMIDE see under **THIOUREA**

METMYOGLOBIN see under **HEMEPROTEINS**

METOCLOPRAMIDE

Experimental data on the antiulcerous action of a new pharmacological combination. Mungiu OC, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr-Jun;90(2):367–8

ADMINISTRATION & DOSAGE

A randomized trial of high dose bolus metoclopramide versus low-dose continuous infusion metoclopramide in the prevention of cisplatin-induced emesis. Dana BW, et al. **Am J Clin Oncol** 1987 Jun;10(3):253–6
High-dose oral and intravenous metoclopramide in doxorubicin/cyclophosphamide-induced emesis. A randomized double-blind study. Edge SB, et al. **Am J Clin Oncol** 1987 Jun;10(3):257–63
Metoclopramide suppositories in the treatment of diabetic gastroparesis. Trapnell BC, et al. **Arch Intern Med** 1986 Nov;146(11):2278–9
Optimising antiemesis in cancer chemotherapy: efficacy of continuous versus intermittent infusion of high dose metoclopramide in emesis induced by cisplatin [published erratum appears in Br Med J [Clin Res] 1986 Dec 13;293(6561):1540] Warrington PS, et al. **Br Med J [Clin Res]** 1986 Nov 22;293(6558):1334–7
Amelioration of cytotoxic-induced emesis with high-dose metoclopramide, dexamethasone and lorazepam. Palmer MC, et al. **Cancer Chemother Pharmacol** 1987;19(4):331–4
A randomized trial comparing alizapride alone or with dexamethasone vs a metoclopramide-dexamethasone combination for emesis induced by moderate-dose cisplatin. Pollera CF, et al. **Cancer Chemother Pharmacol** 1987; 19(4):335–8
Superiority of methylprednisolone sodium succinate over low dose metoclopramide hydrochloride in the prevention of nausea and vomiting produced by cancer chemotherapy. Osoba D, et al. **Clin Invest Med** 1986 Nov;9(4):225–31
Improved control of cisplatin-induced emesis with a combination of high doses of methylprednisolone and metoclopramide: a single-blind randomized trial. Bécouarn Y, et al. **Eur J Cancer Clin Oncol** 1986 Dec;22(12):1421–4
Efficacy of metoclopramide as an adjunct to duodenal placement of small-bore feeding tubes: a randomized, placebo-controlled, double-blind study. Kittinger JW, et al. **JPEN J Parenter Enteral Nutr** 1987 Jan-Feb;11(1):33–7
Antiemetic efficacy of high-dose intravenous metoclopramide and dexamethasone in patients receiving cisplatin-based chemotherapy: a randomized controlled trial. Shinkai T, et al. **Jpn J Clin Oncol** 1986 Sep; 16(3):279–87
Antiemetic therapy in patients treated with high-dose cytosine arabinoside. Craig JB, et al. **Oncology** 1987; 44(2):90–2
High-dose metoclopramide and dexamethasone as an antiemetic in outpatients receiving chemotherapy for breast cancer. Second study. Gez E, et al. **Oncology** 1987; 44(4):237–9
Randomized trial comparing two short courses of moderate-dose metoclopramide for moderate-dose cisplatin-induced emesis. Pollera CF, et al. **Oncology** 1987; 44(2):73–7
[Antiemetic effects of combinations of metoclopramide, droperidol and dexamethasone for the prevention of cisplatin-induced gastro-intestinal toxicity: a randomized crossover trial] Fujii M, et al. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2257–61 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Priapism associated with concurrent use of thioridazine and metoclopramide [letter] Velek M, et al. **Am J Psychiatry** 1987 Jun;144(6):827–8
Postoperative neurologic dysfunction associated with preoperative administration of metoclopramide. Scheller MS, et al. **Anesth Analg** 1987 Mar;66(3):274–6
Metoclopramide-induced neuroleptic malignant syndrome. Friedman LS, et al. **Arch Intern Med** 1987 Aug; 147(8):1495–7
Metoclopramide-induced parkinsonism in hemodialysis patients. Report of two cases. Sirota RA, et al. **Arch Intern Med** 1986 Oct;146(10):2070–1
Effects of metoclopramide and domperidone on blood flow in portal hypertension [letter] Gholson CF, et al. **Hepatology** 1987 Jul-Aug;7(4):800
Dysrhythmias following intravenous metoclopramide. Withington DE. **Intensive Care Med** 1986;12(5):378–9
Differences in the opioid control of luteinizing hormone secretion between pathological and iatrogenic hyperprolactinemic states. Petraglia F, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):508–12

Metoclopramide and depression [letter] Feder R. **J Clin Psychiatry** 1987 Jan;48(1):38

Delirium secondary to metoclopramide hydrochloride [letter] Fishbain DA, et al. **J Clin Psychopharmacol** 1987 Aug; 7(4):281–2

Alternating unilateral jaw spasm due to metoclopramide [letter] Friedman JH. **J Neurol Neurosurg Psychiatry** 1986 Dec;49(12):1463

Dystonic reaction to metoclopramide [letter] Upham JW. **Med J Aust** 1983 Jan 8;1(1):12

More on metoclopramide and tardive dyskinesia [letter] Mahler JC Jr, et al. **N Engl J Med** 1987 Feb 12;316(7):412–3

Choreiform movement associated with metoclopramide [letter] Patterson JF. **South Med J** 1986 Nov;79(11):1465

[Acute dystonia with fatal outcome. A possible adverse drug reaction in the simultaneous administration of chlorpromazine (Prozil) and metoclopramide (Primperan)] Schou H, et al. **Ugeskr Laeger** 1986 Sep 8;148(37):2357–8 (Eng. Abstr.) **(Dan)**

[Dyskinetic syndrome following the use of metoclopramide] Schmidt H, et al. **Z Gesamte Inn Med** 1986 Sep 15; 41(18):509–10 (Eng. Abstr.) **(Ger)**

[Incidence of parkinsonism after treatment with metoclopramide] Ogawa N, et al. **Nippon Ronen Igakkai Zasshi** 1986 Sep;23(5):453–6 (Eng. Abstr.) **(Jpn)**

[Allergic reaction to tserukal in children] Kuberger MB, et al. **Pediatriia** 1987;(3):89–91 **(Rus)**

[Side effects of metoclopramide (reglan, cerukal) on the nervous system] Levitskaia SV, et al. **Pediatriia** 1986 Jul; (7):47–9 **(Rus)**

[Drug-induced extrapyramidal syndrome. Apropos of 22 cases] López Rois F, et al. **An Esp Pediatr** 1987 Feb; 26(2):91–3 (Eng. Abstr.) **(Spa)**

ANALYSIS

Ion-selective electrode for the determination of metoclopramide. Badawy SS, et al. **Analyst** 1986 Dec; 111(12):1363–5

BLOOD

Bioavailability of controlled-release metoclopramide. 2nd communication: multiple dose study. Beckett AH, et al. **Arzneimittelforschung** 1987 Feb;37(2):224–8

Bioavailability of controlled-release metoclopramide. 1st communication: single dose study. Beckett AH, et al. **Arzneimittelforschung** 1987 Feb;37(2):221–4

Liquid-chromatographic assay of metoclopramide in human plasma. Guyon F, et al. **Clin Chem** 1987 Jan;33(1):190–1

DIAGNOSTIC USE

The prolactin response to metoclopramide is increased in depression and in euthymic rapid cycling bipolar patients. Joyce PR, et al. **Biol Psychiatry** 1987 Apr;22(4):508–12

A comparison of three methods for performing barium follow-through studies of the small intestine. Morewood DJ, et al. **Br J Radiol** 1986 Oct;59(706):971–3

Enhanced response of plasma prolactin to metoclopramide during chronic converting enzyme inhibition. Dupont AG, et al. **Horm Metab Res** 1987 May;19(5):212–5

Metoclopramide decreases baroreflex sensitivity in patients with essential hypertension. Alföldi A, et al. **Life Sci** 1987 Apr 13;40(15):1469–72

[The fluorescein dilaurate serum test following metoclopramide and secretin stimulation for evaluating pancreatic function. Contribution to the diagnosis of chronic pancreatitis] Malfertheiner P, et al. **Z Gastroenterol** 1987 Apr;25(4):225–32 (Eng. Abstr.) **(Ger)**

METABOLISM

Pharmacokinetic comparison of intranasal, oral, and intramuscular metoclopramide in healthy volunteers. Citron ML, et al. **Cancer Treat Rep** 1987 Mar;71(3):317–9

Pharmacokinetics of high-dose metoclopramide in cancer patients. McGovern EM, et al. **Clin Pharmacokinet** 1986 Nov–Dec;11(6):415–24 (35 ref.)

Oral bioavailability of high-dose metoclopramide. Taylor WB, et al. **Eur J Clin Pharmacol** 1986;31(1):41–4

[Bioavailability of metoclopramide in soft-gel capsules and tablets in healthy volunteers] Rapelli S. **Clin Ter** 1986 Nov 15;119(3):219–25 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Central dopaminergic control of prolactin in essential hypertension. Os I, et al. **Acta Med Scand [Suppl]** 1986; 714:113–7

The lack of effect of metoclopramide on gallbladder volume and contraction in diabetic cholecystoparesis. Braverman DZ. **Am J Gastroenterol** 1986 Oct;81(10):960–2

Metoclopramide effect on esophageal peristalsis in normal human volunteers. DiPalma JA, et al. **Am J Gastroenterol** 1987 Apr;82(4):307–10

The effects of glucagon and metoclopramide as measured by the electrogastrogram. VandeCreek L, et al. **Am J Gastroenterol** 1986 Oct;81(10):955–9

Swallow-evoked peristalsis in opossum esophagus: role of cholinergic mechanisms. Gidda JS, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):G779–85

Different effects of metoclopramide and domperidone on arginine-vasopressin secretion in man. Chiodera P, et al. **Br J Clin Pharmacol** 1986 Oct;22(4):479–82

Influence of 5-hydroxytryptamine uptake on the apparent 5-hydroxytryptamine antagonist potency of metoclopramide in the rat isolated superior cervical ganglion. Ireland SJ, et al. **Br J Pharmacol** 1987 Jan; 90(1):151–60

Pharmacologic evaluation of dopaminergic receptor blockade by metoclopramide. Hassan MN, et al. **Clin Neuropharmacol** 1986;9(1):71–8

Aldosterone responsiveness to metoclopramide in hyperprolactinaemia. O'Malley BP, et al. **Clin Sci** 1987 Mar;72(3):277–82

Responses of growth hormone to metoclopramide in normal women and amenorrheic women with or without hyperprolactinemia. Seki K, et al. **Endocrinol Jpn** 1986 Oct; 33(5):721–5

Dopaminergic regulation of alpha-melanocyte-stimulating hormone and N-acetyl-beta-endorphin secretion in the fetal lamb. Newman CB, et al. **Endocrinology** 1987 Mar; 120(3):962–6

Pathophysiology of equine postoperative ileus: effect of adrenergic blockade, parasympathetic stimulation and metoclopramide in an experimental model. Gerring EE, et al. **Equine Vet J** 1986 Jul;18(4):249–55

Effect of cisapride and metoclopramide on digoxin bioavailability. Kirch W, et al. **Eur J Drug Metab Pharmacokinet** 1986 Oct–Dec; 11(4):249–50

Effects of acute thioridazine, metoclopramide and SCH 23390 on the basal activity of A9 and A10 dopamine cells. Hand TH, et al. **Eur J Pharmacol** 1987 Jun 4;137(2–3):251–5

The influence of stimulus parameters on the potentiation of striatal dopamine release by metoclopramide: in vivo voltammetric data. Stamford JA, et al. **Eur J Pharmacol** 1986 Aug 7;127(1–2):57–65

Blunted response of serum aldosterone to metoclopramide in the male elderly. Rolandi E, et al. **Gerontology** 1986; 32(4):217–21

Effects of metoclopramide and domperidone on azygos venous blood flow in patients with cirrhosis and portal hypertension. Mastai R, et al. **Hepatology** 1986 Nov–Dec; 6(6):1244–7

Metoclopramide fails to stimulate aldosterone secretion and inhibits serotonin-mediated aldosterone secretion in the rat. Hampton T, et al. **Horm Metab Res** 1986 Nov;18(11):754–6

Effect of verapamil on the aldosterone-stimulating properties of metoclopramide: in vitro and in vivo studies. Opocher G, et al. **Horm Metab Res** 1986 Nov;18(11):775–8

Disparate effects of acute administration of dopamine receptor antagonists on plasma aldosterone and prolactin levels in the rat. Van der Niepen P, et al. **Horm Metab Res** 1987 Jun;19(6):279–80

Plasma aldosterone response to metoclopramide is unmodified by hyperprolactinemia. Serri O. **Horm Res** 1987;27(1):36–41

Pituitary-adrenocortical response to metoclopramide in patients with acromegaly and prolactinoma: a clinical evaluation of catecholamine-mediated adrenocorticotropin secretion. Nishida S, et al. **J Clin Endocrinol Metab** 1987 May;64(5):995–1001

Parallelism in the luteinizing hormone responses to opioid and dopamine antagonists in hyperprolactinemic women with pituitary microadenoma. Seki K, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1225–8

Effect of metoclopramide on prolonged intraesophageal pH testing in infants with gastroesophageal reflux. Hyams JS, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep–Oct; 5(5):716–20

Modification of electrical field stimulation-induced contractions in the guinea-pig ileum by metoclopramide and ICS 205-930 depends on the integrity of the mucosa. Costall B, et al. **J Pharm Pharmacol** 1986 Nov;38(11):811–4

Activation of a myenteric 5-hydroxytryptamine-like receptor by metoclopramide. Sanger GJ. **J Pharm Pharmacol** 1987 Jun;39(6):449–53

Effect of metoclopramide on the absorption of cimetidine in rats. Funaki T, et al. **J Pharmacobiodyn** 1986 Oct; 9(10):811–8

Effect of metoclopramide on adrenal secretion in sheep: influence of dexamethasone and sodium intake. Cameron V, et al. **J Steroid Biochem** 1987 Jun;26(6):717–21

Antagonism of morphine tolerance and dependence by metoclopramide. Ramaswamy S, et al. **Life Sci** 1987 Mar 2;40(9):807–10

Acute administration of clozapine, thioridazine and metoclopramide increases extracellular DOPAC and decreases extracellular 5-HIAA, measured in the nucleus accumbens and striatum of the rat using in vivo voltammetry. Maidment NT, et al. **Neuropharmacology** 1987 Feb–Mar;26(2–3):187–93

Sensitivity of neuronal dopamine response in the substantia nigra and ventral tegmentum to clozapine, metoclopramide and SCH 23390. Suppes T, et al. **Neuropharmacology** 1987 Apr;26(4):331–7

Metoclopramide effect on faltering milk production by mothers of premature infants. Ehrenkranz RA, et al. **Pediatrics** 1986 Oct;78(4):614–20

Chronic autoreceptor blockade and neuroleptic-induced dopamine receptor hypersensitivity. Gordon JH, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):223–8

Metoclopramide potentiates d-amphetamine-induced hypermotility and stereotypy in rat. Howard JL, et al. **Pharmacol Biochem Behav** 1987 May;27(1):165–9

Quipazine-metoclopramide inhibition of CB-154-induced prolactin suppression in rats: neurotransmitter-metabolite correlations. Lipham LB, et al. **Proc Soc Exp Biol Med** 1987 Mar;184(3):250–5

Effects of extinction, pimozide, SCH 23390, and metoclopramide on food-rewarded operant responding of rats. Beninger RJ, et al. **Psychopharmacology (Berlin)** 1987; 92(3):343–9

Plasma renin activity and aldosterone concentration in sodium-depleted cattle following ACTH or metoclopramide injection. Riad F, et al. **Reprod Nutr Dev** 1987;27(1A):21–8

The effect of oral metoclopramide on the absorption of cyclosporine. Wadhwa NK, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1730–3

[Drug interactions. Metoclopramide-phenprocoumon (letter)] Bruhn HD, et al. **Dtsch Med Wochenschr** 1987 May 1;112(18):742 **(Ger)**

[Modification of orocecal transit time of salazosulfapyridine by atropine and metoclopramide in healthy probands] Terhaag B, et al. **Dtsch Z Verdau Stoffwechselkr** 1986; 46(6):327–32 (Eng. Abstr.) **(Ger)**

[Influence of endogenous renin-angiotensin system on plasma aldosterone responsiveness to metoclopramide] Iwasaki Y. **Nippon Naibunpi Gakkai Zasshi** 1987 Feb 20;63(2):123–32 (Eng. Abstr.) **(Jpn)**

[Effect of dimetpramid and metoclopramide on the rate of catecholamine turnover in the subcortical-stem structures of the rat brain] Legeza VI, et al. **Farmakol Toksikol** 1986 Jul–Aug;49(4):25–7 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

No synergism between metoclopramide and acupuncture in chronic pain. Junnila SY. **Acupunct Electrother Res** 1986; 11(3–4):269–72

A comparison of metoclopramide vs. droperidol/phenobarbital for emesis induced by chemotherapy. Gumbart CH, et al. **Am J Med Sci** 1987 Feb;293(2):90–3

Administration of metoclopramide for prevention of nausea and vomiting during epidural anesthesia for elective cesarean section. Chestnut DH, et al. **Anesthesiology** 1987 Apr;66(4):563–6

Metoclopramide response in patients with progressive systemic sclerosis. Effect on esophageal and gastric motility abnormalities. Johnson DA, et al. **Arch Intern Med** 1987 Sep;147(9):1597–601

Metoclopramide as prophylaxis for nausea and vomiting induced by fluorescein. Brown RE Jr, et al. **Arch Ophthalmol** 1987 May;105(5):658–9

Dose-response relationships of the objective and subjective antiemetic effects and of different side effects of metoclopramide against cisplatin induced emesis. Hellenbrecht D, et al. **Arzneimittelforschung** 1986 Dec; 36(12):1845–9

Failure of metoclopramide to control emesis or nausea due to stressful angular or linear acceleration. Kohl RL. **Aviat Space Environ Med** 1987 Feb;58(2):125–31

Effect of metoclopramide treatment on thyrotropin and prolactin levels in sick neonates. Ruppert F, et al. **Biol Neonate** 1986;50(3):141–6

Effect of metoclopramide therapy on arginine vasopressin excretion and renal water handling in premature infants. Sulyok E, et al. **Biol Neonate** 1987;51(1):5–9

Antiemetic combination for cisplatin-induced emesis. Results from a controlled study. Martín Jiménez M, et al. **Bull Cancer (Paris)** 1986;73(3):294–8

Double-blind evaluation of metoclopramide (MK 745, Sinemet), trimethobenzamide (Tigan), and a placebo as postanaesthetic anti-emetics following methoxyflurane anaesthesia. Dobkin AB, et al. **Can Anaesth Soc J** 1968 Jan;15(1):80–91

The effects of cimetidine and ranitidine with and without metoclopramide on gastric volume and pH in morbidly obese patients. Lam AM, et al. **Can Anaesth Soc J** 1986 Nov;33(6):773–9

A phase II antiemetic combination (COMD) for cisplatin-induced nausea and vomiting. Roila F, et al. **Cancer Chemother Pharmacol** 1986;18(1):88–9

Comparison of metoclopramide and metoclopramide plus dexamethasone for complete protection from cisplatinum-induced emesis. Grunberg SM, et al. **Cancer Invest** 1986;4(5):379–85

Droperidol, alizapride and metoclopramide in the prevention and treatment of post-operative emetic sequelae. Kauste A, et al. **Eur J Anaesthesiol** 1986 Jan;3(1):1–9

High doses of metoclopramide or droperidol in the prevention of cisplatin-induced emesis. Saller R, et al. **Eur J Cancer Clin Oncol** 1986 Oct;22(10):1199–203

Antiemetic effect and pharmacokinetics of high dose metoclopramide in cancer patients treated with cisplatin-containing chemotherapy regimens. Havsteen H, et al. **Eur J Clin Pharmacol** 1986;31(1):33–40

Prolonged dopamine receptor blockade in normoprolactinemic amenorrhea: a double-blind placebo study. Djursing H, et al. **Fertil Steril** 1986 Nov;46(5):840–5

Effect of cisapride on gastric emptying of indigestible solids in patients with gastroparesis diabeticorum. A comparison with metoclopramide and placebo. Feldman M, et al. **Gastroenterology** 1987 Jan;92(1):171–4

Gastric and esophageal emptying in dystrophia myotonica. Effect of metoclopramide. Horowitz M, et al. **Gastroenterology** 1987 Mar;92(3):570–7

Metoclopramide therapy of MAOI orthostatic hypotension [letter] Patterson JF. **J Clin Psychopharmacol** 1987 Apr; 7(2):112–3

Scintigraphic detection of metoclopramide esophageal stimulation in progressive systemic sclerosis. Drane WE, et al. **J Nucl Med** 1987 May;28(5):810–5

Metoclopramide in schizophrenia (an open study). Doongaji DR, et al. **J Postgrad Med** 1986 Jul;32(3):139–45

5-Hydroxytryptamine M-receptor antagonism to prevent cisplatin-induced emesis. Costall B, et al. **Neuropharmacology** 1986 Aug;25(8):959–61

Maintenance of antiemetic effect of a metoclopramide–dexamethasone combination during subsequent cisplatin courses. Cognetti F, et al. **Oncology** 1986;43(5):292–4

The use of metoclopramide in treatment of cisplatin-induced emesis. Richtsmeier WJ, et al. **Otolaryngol Head Neck Surg** 1986 Oct;95(3 Pt 1):358–9

High-dose metoclopramide and chlorpromazine in the treatment of cisplatin-induced emesis. Aasebø U, et al. **Pharmacol Toxicol** 1987 May;60(5):337–9

Pharmacologic reduction of the risk of aspiration. Gipson SL, et al. **South Med J** 1986 Nov;79(11):1356–8

The effect of oral metoclopramide on the absorption of cyclosporine. Wadhwa NK, et al. **Transplantation** 1987 Feb; 43(2):211–3

[Use of metoclopramide in the treatment of alcohol withdrawal syndrome] Nitzche M, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Oct; 38(10):612–5 (Eng. Abstr.) **(Ger)**

[Experimental study on the control of cisplatin-induced emesis in dogs] Ito J, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 1):706–10 (Eng. Abstr.) **(Jpn)**

[Anti-emetic treatment with metoclopramide and other drugs during CDDP therapy] Kodama N, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):159–64 (Eng. Abstr.) **(Jpn)**

[Effectiveness of high-dose metoclopramide in the control of acute emesis induced by chemotherapy (letter)] Rosell R, et al. **Med Clin (Barc)** 1987 Mar 14;88(10):434 **(Spa)**

TOXICITY

[Acute dystonia with fatal outcome (letter)] **Ugeskr Laeger** 1986 Oct 27;148(44):2846–7 **(Dan)**

METOLAZONE see under **DIURETICS, SULFAMYL**

METOLQUIZOLONE see **METHAQUALONE**

METOMIDATE see under **IMIDAZOLES**

METOPROLOL

Charcoal hemoperfusion for the treatment of a combined diltiazem and metoprolol overdose. Anthony T, et al. **Ann Emerg Med** 1986 Nov;15(11):1344–8

ADMINISTRATION & DOSAGE

Serum lipids and lipoproteins in ischaemic heart disease following withdrawal of long-term metoprolol treatment. Olsson G, et al. **Eur J Clin Pharmacol** 1987;32(3):245–8

[Effects of intravenous metoprolol in the treatment of supraventricular tachyarrhythmias] Bolognesi R, et al. **Minerva Cardioangiol** 1986 Nov;34(11):721–4 (Eng. Abstr.) **(Ita)**

[Echocardiographic changes in hypertensive patients treated with a fixed combination of metoprolol and chlorthalidone] Vincenzi M, et al. **Minerva Cardioangiol** 1986 Oct; 34(10):625–31 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Ventricular dysrhythmias in middle-aged hypertensive men treated either with a diuretic agent or a beta-blocker. Ragnarsson J, et al. **Acta Med Scand** 1987;221(2):143–8

Rebound hypertension following abrupt cessation of clonidine and metoprolol. Treatment with labetalol. Mehta JL, et al. **Arch Intern Med** 1987 Feb;147(2):389–90

Left ventricular function following withdrawal of chronic metoprolol treatment in patients with ischaemic heart disease. A double blind study. Lindvall K, et al. **Eur Heart J** 1986 Dec;7(12):1045–52

Respiratory tolerance of bisoprolol and metoprolol in asthmatic patients. Lammers JW, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S69–73

EEG assessment of the sedative and excitatory properties of CNS-active compounds in the patients with depression. Matousek M. **Neuropsychobiology** 1987;17(1–2):118–20

[Can beta-receptor blockers trigger coronary spasm?] Cieslinski G, et al. **Dtsch Med Wochenschr** 1987 Apr 10; 112(15):593–6 (Eng. Abstr.) **(Ger)**

[Effect of celiprolol and metoprolol on serum lipids in patients with various forms of hyperlipoproteinemia] Pristautz H, et al. **Wien Med Wochenschr** 1986 Sep 15; 136(17):443–8 (Eng. Abstr.) **(Ger)**

[Hypokalemic rhabdomyolysis associated with diuretic and beta blockader therapy] Acquarone N, et al. **Recenti Prog Med** 1987 Jan;78(1):33–5 (Eng. Abstr.) **(Ita)**

ANALYSIS

Determination of metoprolol in plasma and urine using high-resolution gas chromatography and electron-capture detection. Ervik M, et al. **J Chromatogr** 1986 Aug 22; 381(1):168–74

Capillary gas chromatographic-mass spectrometric study of the effect of solvents on metoprolol and other aryloxypropanolamines. Mok V, et al. **J Chromatogr** 1987 May 1;393(3):335–42

ANTAGONISTS & INHIBITORS

Drug interaction between metoprolol and chlordiazepoxide. Mittal SR, et al. **Int J Cardiol** 1986 Dec;13(3):372–4

BLOOD

Pharmacokinetics of salicylates administered with metoprolol. Spahn H, et al. **Arzneimittelforschung** 1986 Nov;36(11):1697–9

Pharmacokinetic interactions between felodipine and metoprolol. Smith SR, et al. **Eur J Clin Pharmacol** 1987; 31(5):575–8

DIAGNOSTIC USE

Plasma renin activity, active and inactive renin concentrations, and their responses to beta 1-adrenoceptor blockade with metoprolol in hyperthyroidism. Baba T, et al. **Horm Metab Res** 1986 Sep;18(9):630–4

METABOLISM

Pharmacokinetics of atenolol and metoprolol administered together with piroxicam. Spahn H, et al. **Arch Pharm (Weinheim)** 1987 Feb;320(2):103–7

Polymorphic drug oxidation: pharmacokinetic basis and comparison of experimental indices. Jackson PR, et al. **Br J Clin Pharmacol** 1986 Nov;22(5):541–50

Metoprolol and debrisoquin metabolism in Nigerians: lack of evidence for polymorphic oxidation. Iyun AO, et al. **Clin Pharmacol Ther** 1986 Oct;40(4):387–94

PHARMACODYNAMICS

Effects of metoprolol on the counter-regulation and recognition of prolonged hypoglycemia in insulin-dependent diabetics. Clausen-Sjöbom N, et al. **Acta Med Scand** 1987;222(1):57–63

The difference between non-selective and beta 1-selective beta-blockers in their effect on platelet function in migraine patients. Hedman C, et al. **Acta Neurol Scand** 1986 Dec; 74(6):475–8

Different effects of beta-1-adrenergic blocking agents with ISA or without ISA on peripheral blood flow. Karnik R, et al. **Angiology** 1987 Apr;38(4):296–303

Lipid-soluble and water-soluble beta-blockers. Comparison of the central nervous system depressant effect. Gengo FM, et al. **Arch Intern Med** 1987 Jan;147(1):39–43

The mechanism of the antihypertensive effects of ketanserin: a comparison with metoprolol [letter] Casiglia E, et al. **Br J Clin Pharmacol** 1986 Dec;22(6):751–2

The effects of propranolol and metoprolol on skin blood flow in diabetic patients. Hyer SL, et al. **Br J Clin Pharmacol** 1987 Jun;23(6):769–71

Drug interaction between propafenone and metoprolol. Wagner F, et al. **Br J Clin Pharmacol** 1987 Aug; 24(2):213–20

Haemodynamic effects of metoprolol and intravenous nitroglycerin versus metoprolol alone in patients with acute myocardial infarction. Melandri G, et al. **Eur Heart J** 1987 Jun;8(6):592–6

Effects on physical performance of intrinsic sympathomimetic activity (ISA) during selective beta 1-blockade. Kullmer T, et al. **Eur J Appl Physiol** 1987; 56(3):292–8

Effects of thyroid hormone and beta-adrenoceptor blocking agents on urinary excretion of 3-methylhistidine and plasma amino acids in man. Adlerberth A, et al. **Eur J Clin Invest** 1986 Aug;16(4):316–20

Acute haemodynamic and humoral responses to felodipine and metoprolol in mild hypertension. Fagard R, et al. **Eur J Clin Pharmacol** 1987;32(1):71–5

Diuretic effect of metoprolol. Mittal SR, et al. **Int J Cardiol** 1987 Jun;15(3):355–6

A haemodynamic study of the effects of combined slow-calcium channel blockade (nisoldipine) and beta-blockade (metoprolol) in coronary heart disease. Silke B, et al. **Int J Cardiol** 1986 Nov;13(2):231–41

Effect of beta-blockers on plasma lipids. Pasotti C, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Aug;24(8):448–52

Effects of metoprolol, alone and in combination with lidocaine, on ventricular fibrillation threshold: comparison with atenolol, propranolol, and pindolol. Coram WM, et al. **J Cardiovasc Pharmacol** 1987 May;9(5):611–21

Effects of beta non-selective and beta 1 selective adrenergic blocking agents on glucagon secretion from isolated perfused rat pancreas. Gregorio F, et al. **J Endocrinol Invest** 1986 Jun;9(3):209–15

The use of Doppler echocardiography to assess the acute haemodynamic response to felodipine and metoprolol in hypertensive patients. Fagard R, et al. **J Hypertens** 1987 Apr;5(2):143–9

Urinary excretion of 3-methylhistidine and creatinine and plasma concentrations of amino acids in hyperthyroid patients following preoperative treatment with antithyroid drug or beta-blocking agent: results from a prospective, randomized study. Adlerberth A, et al. **Metabolism** 1987 Jul;36(7):637–42

[Echocardiography studies of the relevance and intrinsic activity of beta blockers in the human] Strasser R, et al. **Med Klin** 1986 Oct 31;81(22):708–11 (Eng. Abstr.) **(Ger)**

POISONING

[Hyperkalemia in acute beta-blocker poisoning (letter)] Delacour JL, et al. **Presse Med** 1986 Sep 13;15(29):1377 **(Fre)**

THERAPEUTIC USE

Ketanserin in the treatment of essential hypertension. A double-blind study against metoprolol and a further long-term open treatment. Milei J, et al. **Acta Cardiol (Brux)** 1986;41(6):427–41

Effects of beta 1-adrenoceptor blockade in the treatment of hypertension during pregnancy in diabetic women. Olofsson P, et al. **Acta Med Scand** 1986;220(4):321–8

Reduction of nonfatal reinfarctions in patients with a history of hypertension by chronic postinfarction treatment with metoprolol. Olsson G, et al. **Acta Med Scand** 1986; 220(1):33–8

Central haemodynamics in acute myocardial infarction. Natural history, relation to enzyme release and effects of metoprolol. Held P. **Acta Med Scand [Suppl]** 1986;709:1–47

Effects of titrated beta blockade (metoprolol) on silent myocardial ischemia in ambulatory patients with coronary artery disease. Imperi GA, et al. **Am J Cardiol** 1987 Sep 1;60(7):519–24

Efficacy of nifedipine and metoprolol in the early treatment of unstable angina in the coronary care unit: findings from the Holland Interuniversity Nifedipine/metoprolol Trial (HINT). Lubsen J, et al. **Am J Cardiol** 1987 Jul 15; 60(2):18A–25A

Comparison of selective (beta 1) and nonselective (beta 1 and beta 2) beta-adrenergic blockade on systemic and coronary hemodynamic findings in angina pectoris. Prida XE, et al. **Am J Cardiol** 1987 Aug 1;60(4):244–8

Effects of beta blockade on contingent negative variation in migraine [letter] Maertens de Noordhout A, et al. **Ann Neurol** 1987 Jan;21(1):111–2

The selective beta 1-blocking agent metoprolol compared with antithyroid drug and thyroxine as preoperative treatment of patients with hyperthyroidism. Results from a prospective, randomized study. Adlerberth A, et al. **Ann Surg** 1987 Feb;205(2):182–8

Comparison of ketanserin and metoprolol in the treatment of essential hypertension. Sheps SG, et al. **Arch Intern Med** 1987 Feb;147(2):291–6

Early treatment of unstable angina in the coronary care unit: a randomised, double blind, placebo controlled comparison of recurrent ischaemia in patients treated with nifedipine or metoprolol or both. Report of The Holland Interuniversity Nifedipine/Metoprolol Trial (HINT) Research Group. **Br Heart J** 1986 Nov;56(5):400–13

Spontaneous resolution of a dissection of the descending aorta after medical treatment with a beta blocker and a calcium antagonist. Hoshino T, et al. **Br Heart J** 1987 Jul;58(1):82–4

Methohexitone anaesthesia for microlaryngoscopy: circulatory modulation with metoprolol and dihydralazine. Magnusson H, et al. **Br J Anaesth** 1986 Sep;58(9):976–82

Economic consequences of postinfarction prophylaxis with beta blockers: cost effectiveness of metoprolol. Olsson G, et al. **Br Med J** 1987 Feb 7;294(6568):339–42

Propranolol versus metoprolol in anxiety disorders. Chaturvedi SK. **Can J Psychiatry** 1987 Apr;32(3):250–1

Combination headache: practical experience with a combination of a beta-blocker and an antidepressive. Pfaffenrath V, et al. **Cephalalgia** 1986;6 Suppl 5:25–32

The hemodynamics of beta-blockade in patients undergoing abdominal aortic aneurysm repair. Pasternack PF, et al. **Circulation** 1987 Sep;76(3 Pt 2):III1–7

Reduction in infarct size and enhanced recovery of systolic function after coronary thrombolysis with tissue-type plasminogen activator combined with beta-adrenergic blockade with metoprolol. Van de Werf F, et al. **Circulation** 1987 Apr;75(4):830–6

Improvement by oral metoprolol of exercise-induced ischemic dysfunction in patients with coronary heart disease. Battler A, et al. **Clin Cardiol** 1986 Sep;9(9):431–5

Metoprolol in the treatment of multifocal atrial tachycardia. Arsura EL, et al. **Crit Care Med** 1987 Jun;15(6):591–4

Treatment of multifocal atrial tachycardia with metoprolol. Hazard PB, et al. **Crit Care Med** 1987 Jan;15(1):20–5

Central haemodynamic effects of metoprolol early in acute myocardial infarction. A placebo controlled randomized study of patients with low heart rate. Held PH, et al. **Eur Heart J** 1986 Nov;7(11):937–44

Cardiovascular reactivity to mental stress during gradual withdrawal of chronic postinfarction treatment with metoprolol. Olsson G, et al. **Eur Heart J** 1986 Sep; 7(9):765–72

Metoprolol in acute myocardial infarction. A pharmacokinetic and pharmacodynamic study. Held PH, et al. **Eur J Clin Pharmacol** 1986;31(3):261–5

Comparison of the antihypertensive effect of urapidil and metoprolol in hypertension. Leonetti G, et al. **Eur J Clin Pharmacol** 1986;30(6):637–40

Bopindolol versus metoprolol in hypertension [letter] Westerman RF, et al. **Eur J Clin Pharmacol** 1986; 31(3):379–80

Metoprolol in acute myocardial infarction reduces ventricular arrhythmias both in the early stage and after the acute event. Rehnqvist N, et al. **Int J Cardiol** 1987 Jun;15(3):301–8

Effects of two doses of the fixed–combination chlorthalidone and slow–release metoprolol on blood pressure at rest and during exercise: a multicenter study. Caponnetto S, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Oct;24(10):574–9

Double–blind, randomized, cross–over clinical trial of metoprolol and propranolol in mild to moderate essential hypertension. Pandhi P, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Mar;25(3):163–5

Autonomic control of ventricular tachycardia: direct effects of beta–adrenergic blockade in 24 hour old canine myocardial infarction. Constantin L, et al. **J Am Coll Cardiol** 1987 Feb;9(2):366–73

Effect of single doses of labetalol, metoprolol, and placebo on ventilatory function in patients with bronchial asthma: interaction with isoproterenol. Falliers CJ, et al. **J Asthma** 1986;23(5):251–60

Effects of bisoprolol in relation to metoprolol and bufuralol on left ventricular hemodynamics at rest and during exercise in chronic ischemic heart disease. Burkart F, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S78–82

Evaluation of antihypertensive efficacy of lisinopril compared to metoprolol in moderate to severe hypertension. Zachariah PK, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 3:S53–8

Metoprolol in the treatment of neuroleptic–induced tremor: case report. Chaturvedi SK. **J Clin Psychiatry** 1987 Sep; 48(9):378

Reactivity to mental stress and cold provocation during long–term treatment with metoprolol, propranolol or hydrochlorothiazide. Eliasson K, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S263–5

Structural and functional adaptations within the myocardium and coronary vessels after antihypertensive therapy in spontaneously hypertensive rats. Friberg P, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S519–21

Contrasting renal haemodynamic responses to the angiotensin converting enzyme inhibitor enalapril and the beta–adrenergic antagonist metoprolol in essential hypertension. O'Connor DT, et al. **J Hypertens [Suppl]** 1984 Dec;2(2):S89–92

Metoprolol and albumin excretion in diabetes [letter] Friedman PJ, et al. **Lancet** 1986 Nov 1;2(8514):1042–3

Metoprolol or hydrochlorothiazide in patients with hypertension aged 60–75 years. With special reference to assessment of compliance. Hunter Hypertension Research Group. **Med J Aust** 1986 Nov 17;145(10):521–3

Acute and long–term effect of antihypertensive treatment on exercise–induced albuminuria in incipient diabetic nephropathy. Christensen CK, et al. **Scand J Clin Lab Invest** 1986 Oct;46(6):553–9

[Are anti–arrhythmia agents superior to a beta blocker in treating life–threatening ventricular arrhythmias? Preliminary results of a controlled study] Steinbeck G, et al. **Z Kardiol** 1986;75 Suppl 5:47–55 (Eng. Abstr.) **(Ger)**

[Antihypertensive effectiveness and tolerance of slow–release metoprolol in fixed combination with chlorthalidone. Multicenter study on 93 patients] Beltrami M, et al. **Clin Ter** 1987 Feb 28;120(4):317–21 (Eng. Abstr.) **(Ita)**

[Effect of treatment with metoprolol on physical exertion tolerance and left ventricular function in patients with coronary disease] Markiewicz M, et al. **Wiad Lek** 1986 Dec 1;39(23):1598–604 (Eng. Abstr.) **(Pol)**

[Value of metoprolol in increasing the tolerance of patients with ischemic heart disease to exertion] Nicolaescu V, et al. **Rev Med Interna [Med Interna]** 1986 Nov–Dec; 38(6):517–24 (Eng. Abstr.) **(Rum)**

[Prolonged treatment with ketanserin in essential hypertension and comparison with metoprolol] Finkielman S. **Medicina (B Aires)** 1985;45(4):447–9 **(Spa)**

TOXICITY

Acute blockade of beta 1–receptors in the asphyxiated sheep fetus. Dagbjartsson A, et al. **Acta Physiol Scand** 1987 Jul; 130(3):381–5

URINE

Rapid determination of the enantiomers of metoprolol, oxprenolol and propranolol in urine. Pflugmann G, et al. **J Chromatogr** 1987 May 15;416(2):331–9

METRIAL GLAND

CYTOLOGY

The metrial gland. Bulmer D, et al. **Cell Differ** 1987 Mar; 20(2–3):77–86 (70 ref.)

Differentiation of granulated metrial gland cells in ovariectomized mice given ovarian hormones. Stewart I. **J Endocrinol** 1987 Jan;112(1):23–6

METRIC SYSTEM

Improved clarity of measurement [letter] Lonsdale–Eccles JD. **J Invest Dermatol** 1987 Feb;88(2):238

METRIFONATE see **TRICHLORFON**

METRIZAMIDE

Clearing media for the eye. Maurice DM. **Br J Ophthalmol** 1987 Jun;71(6):470–2

ADMINISTRATION & DOSAGE

Percutaneous minidose metrizamide endomyelographic computed tomography in syringomyelia. Blumenkopf B. **Neurosurgery** 1987 Mar;20(3):434–8

ADVERSE EFFECTS

Metrizamide and its neurologic complications. Buchman AS, et al. **Clin Neuropharmacol** 1987;10(1):1–25 (184 ref.)

The effect of intrathecal iohexol on visual evoked response latency: a comparison including incidence of headache with iopamidol and metrizamide in myeloradiculography. Broadbridge AT, et al. **Clin Radiol** 1987 Jan;38(1):71–4

Use of pentobarbital sodium to reduce seizures in dogs after cervical myelography with metrizamide. Gray PR, et al. **J Am Vet Med Assoc** 1987 Jun 1;190(11):1422–4

Influence of anesthetic regimen on the frequency of seizures after cervical myelography in the dog. Gray PR, et al. **J Am Vet Med Assoc** 1987 Mar 1;190(5):527–30

Multiple subcortical haemorrhages following lumbar metrizamide myelography. Overbeek HC, et al. **J Neurol** 1987 Apr;234(3):177–9

Side effects following metrizamide myelography and lumbar laminectomy. Jones AG, et al. **J Neurosci Nurs** 1987 Apr; 19(2):90–4

Bulbar palsy aggravated by metrizamide CT cisternography. Woo E, et al. **Neurorsdiology** 1987;29(2):219

Influence of certain factors on the manifestations of the adverse effects of metrizamide myelography. Yu YL, et al. **Neuroradiology** 1986;28(4):339–43

Metrizamide [letter] Azzam N, et al. **Neurosurgery** 1986 Oct; 19(4):676–7

The probability of pancreatitis after pancreatic parenchymatography with a non–ionic contrast medium. A sequentially designed clinical trial. Løtveit T, et al. **Scand J Gastroenterol** 1987 Jan;22(1):111–6

Severe neurologic disturbances after metrizamide myelography. A case report. Carrasco N, et al. **Spine** 1986 Sep;11(7):762–4

Brain changes on computed tomography following metrizamide myelography. Significance and therapeutic implications. Centeno RS, et al. **Spine** 1986 Jul–Aug; 11(6):509–12

Tolerance of iohexol, iopamidol, and metrizamide in lumbar myelography. Elkin CM, et al. **Surg Neurol** 1986 Dec; 26(6):542–6

[Side effects of cervical myelography/radiculography with metrizamide (Amipaque)] Lesak F. **Ugeskr Laeger** 1986 Nov 17;148(47):3134–6 (Eng. Abstr.) **(Dan)**

[Myelography with metrizamide—effects of contrast removal on adverse effects] Mizushima A, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 May 25; 46(5):665–9 (Eng. Abstr.) **(Jpn)**

[Intractable hiccups after myelography with metrizamide (letter)] Medrano San Ildefonso M, et al. **Med Clin (Barc)** 1987 Feb 14;88(6):256–7 **(Spa)**

DIAGNOSTIC USE

Demonstration of a symptomatic intraventricular cyst using direct intraventricular metrizamide instillation. Blom R, et al. **AJNR** 1986 Nov–Dec;7(6):1093–5

Opacification of an optic nerve sheath cystic tumor with intrathecally injected metrizamide. Daniels DL, et al. **AJNR** 1986 Sep–Oct;7(5):976–7

Use of low osmolar contrast for gastrointestinal studies in low–birth–weight infants. Dutton RV, et al. **Am J Dis Child** 1987 Jun;141(6):635–8

Metrizamide CT scanning in spinal nerve root cysts. Goyal RN, et al. **Can J Neurol Sci** 1987 May;14(2):149–52

Ependymoma of filum terminale: metrizamide–enhanced CT evaluation. Wang AM, et al. **Comput Radiol** 1986 Sep–Oct; 10(5):239–43

C. T. metrizamide myelography in syringohydromyelia. Rao VR, et al. **J Neuroradiol** 1987;14(1):82–8 **(Eng, Fre)**

Metrizamide–enhanced computed tomography as an adjunct to metrizamide myelography in the evaluation of lumbar disc herniation and spondylosis. Voelker JL, et al. **Neurosurgery** 1987 Mar;20(3):379–84

Computed tomography number correlations for metrizamide computed tomographic ventriculography. Benzel EC, et al. **Surg Neurol** 1987 Feb;27(2):126–30

[Significance of diskography and contrast medium/enzyme interaction] Pon A, et al. **Neurochirurgia (Stuttg)** 1986 Sep; 29 Suppl 1:134–7 (Eng. Abstr.) **(Ger)**

[CT–cisternography and cervical myelography with iohexol and metrizamide: a comparative multicenter study in Japan] Kobayashi N, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Apr 25; 47(4):590–601 (Eng. Abstr.) **(Jpn)**

[A classification of the herniated cervical disc based on metrizamide CT] Takahashi K, et al. **No Shinkei Geka** 1987 Feb;15(2):125–30 (Eng. Abstr.) **(Jpn)**

TOXICITY

Further support for the glucose hypothesis of metrizamide toxicity. The effect of metrizamide and glucose analogue–free contrast media on hexokinase. Simon JH, et al. **Invest Radiol** 1987 Feb;22(2):137–40

Complications of myelography after partial metrizamide withdrawal. Hodges SD, et al. **Spine** 1987 Jan–Feb; 12(1):53–5

METRIZOATE see under **IODOBENZOATES**

METRONIDAZOLE

Storage requirements for metronidazole injection [letter] Cano SB, et al. **Am J Hosp Pharm** 1986 Dec;43(12):2983, 2985

Metronidazole interferes with theophylline measurements [letter] Garfinkel D, et al. **Ann Intern Med** 1987 Jan; 106(1):171

Generation of radical anions of nitrofurantoin, misonidazole, and metronidazole by ascorbate. Rao DN, et al. **Arch Biochem Biophys** 1987 Jun;255(2):419–27

Metronidazole [published erratum appears in Infect Control 1987 Feb;8(2):48] Eggleston M. **Infect Control** 1986 Oct; 7(10):514–8 (57 ref.)

Metronidazole: reference correction [letter] Eggleston M. **Infect Control** 1987 Feb;8(2):48

Radicals of nitroimidazole derivatives: pH dependence of rates of formation and decay related to acid–base equilibria. Henry Y, et al. **Int J Radiat Biol** 1987 May;51(5):797–809

Generation of radical anions from metronidazole, misonidazole and azathioprine by photoreduction in the presence of EDTA. Moore DE, et al. **Int J Radiat Biol** 1986 Nov;50(5):885–91

Flash photolysis of misonidazole and metronidazole. Moore DE. **Int J Radiat Biol** 1987 Jan;51(1):45–51

ADMINISTRATION & DOSAGE

Single–dose chemoprophylaxis in elective colorectal surgery. A comparison between doxycycline plus metronidazole and doxycycline. Bergman L, et al. **Ann Surg** 1987 Jan; 205(1):77–81

Topical metronidazole therapy for rosacea. Bleicher PA, et al. **Arch Dermatol** 1987 May;123(5):609–14

Ticarcillin/clavulanic acid (Timentin) compared to metronidazole/netilmicin in preventing postoperative infection after elective colorectal surgery. Blair JE, et al. **Can J Surg** 1987 Mar;30(2):120–2

Combined metronidazole and quinacrine hydrochloride therapy for chronic giardiasis. Taylor GD, et al. **Can Med Assoc J** 1987 Jun 1;136(11):1179–80

5–Fluorouracil–metronidazole combination therapy in metastatic colorectal cancer. Clinical, pharmacokinetic and in vitro cytotoxicity studies. Bardakji Z, et al. **Cancer Chemother Pharmacol** 1986;18(2):140–4

Anaemia as a prognostic factor for the therapeutic effect of radiosensitizers. Révész L, et al. **Int J Radiat Biol** 1987 Apr;51(4):591–5

A comparison of single–dose and multi–dose metronidazole prophylaxis for hysterectomy. Haverkorn MJ. **J Hosp Infect** 1987 May;9(3):249–54

The value of systemically administered metronidazole in the modified Widman flap procedure. Mahmood MM, et al. **J Periodontol** 1987 Mar;58(3):147–52

Intravenous therapy of metronidazole–resistant Trichomonas vaginalis. Dombrowski MP, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):524–5

Ceftriaxone and metronidazole as single–dose prophylaxis in colorectal surgery. Burdon DW, et al. **S Afr Med J** 1987 Jun 20;Suppl 2:15–8

A comparative study of cefotetan and metronidazole against metronidazole alone to prevent infection after appendectomy. Wilson RG, et al. **Surg Gynecol Obstet** 1987 May;164(5):447–51

[The drug combination amoxicillin–clavulanic acid compared to the triple combination ampicillin–gentamicin–metronidazole in the treatment of severe adnexal infections] Ciraru–Vigneron N, et al. **Pathol Biol (Paris)** 1986 Jun;34(5 Pt 2):665–8 (Eng. Abstr.) **(Fre)**

[Prospective randomized study comparing the efficacy and tolerance of clindamycin–gentamycin versus metronidazole–gentamycin in acute utero–adnexal infections in hospitalized patients] Lebceuf D, et al. **Rev Fr Gynecol Obstet** 1987 Jan;82(1):9–15 (Eng. Abstr.) **(Fre)**

[Local use of metronidazole in dimethyl sulfoxide in the radiation therapy of cervical cancer] Zharinov GM, et al. **Med Radiol (Mosk)** 1987 Feb;32(2):35–7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Disulfiram–like reaction associated with intravenous trimethoprim–sulfamethoxazole and metronidazole. Edwards DL, et al. **Clin Pharm** 1986 Dec;5(12):999–1000

Fixed drug eruption due to metronidazole. Shelley WB, et al. **Cutis** 1987 May;39(5):393–4

Possible nephrotoxic interaction of lithium and metronidazole [letter] Teicher MH, et al. **JAMA** 1987 Jun 26; 257(24):3365–6

Herxheimer reactions in metronidazole treatment for rheumatoid arthritis [letter] Pybus PK. **S Afr Med J** 1987 Aug 15;72(4):297

[Painful legs and moving toes. A drug-induced case] Gastaut JL. **Rev Neurol (Paris)** 1986;142(6-7):641-2 (Eng. Abstr.) **(Fre)**

[Metronidazole neuropathy] Takeuchi H, et al. **Rinsho Shinkeigaku** 1987 Jan;27(1):58-61 (Eng. Abstr.) **(Jpn)**

[Long-standing pseudomembranous colitis ulcer after the use of intravaginal metronidazole (letter)] de Dios García Díaz J, et al. **Med Clin (Barc)** 1987 Apr 26;88(16):652 **(Spa)**

ANALOGS & DERIVATIVES

Hydrolysis of dextran metronidazole monosuccinate ester prodrugs. Evidence for participation of intramolecularly catalyzed hydrolysis of the conjugate metronidazole-succinic acid ester by the neighbouring dextran hydroxy groups. Larsen C. **Acta Pharm Suec** 1986; 23(5):279-88

Chemical and biological properties of acetyl derivatives of the hydroxylamino reduction products of metronidazole and dimetridazole. Ehlhardt WJ, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):931-5

Formation of an amino reduction product of metronidazole in bacterial cultures: lack of bactericidal activity. Ehlhardt WJ, et al. **Biochem Pharmacol** 1987 Jan 15;36(2):259-64

Hypoxic radiosensitization by FLAP [letter] Smith E, et al. **Br J Radiol** 1987 Jun;60(714):601

Synthesis and biodistribution of 18F-labeled fluoronitroimidazoles: potential in vivo markers of hypoxic tissue. Jerabek PA, et al. **Int J Rad Appl Instrum [A]** 1986; 37(7):599-605

Macromolecular prodrugs. V. Simultaneous determination of high-molecular-weight dextran metronidazole monosuccinate ester prodrugs and the hydrolysis products metronidazole and the corresponding monosuccinate ester on nucleosil diol. Larsen C, et al. **J Chromatogr** 1987 Feb 27;389(1):227-35

Treatment with dilute alkali-nuclease S1 permits the analysis of DNA damage: cells treated with platinum analogues. Lönn U, et al. **Mol Pharmacol** 1987 Jul;32(1):154-61

[Radiosensitizing and toxic action of metronidazole and isometronidazole (1-(2-hydroxyethyl)-2-methyl-4-nitroimidazole) on the cells of Ehrlich ascites cancer and hemoblastosis La in vitro] Proskuriakov SIa, et al. **Radiobiologiia** 1986 Nov-Dec;26(6):766-70 (Eng. Abstr.) **(Rus)**

ANALYSIS

Faecal metronidazole concentrations during oral and intravenous therapy for antibiotic associated colitis due to Clostridium difficile. Bolton RP, et al. **Gut** 1986 Oct; 27(10):1169-72

Macromolecular prodrugs. V. Simultaneous determination of high-molecular-weight dextran metronidazole monosuccinate ester prodrugs and the hydrolysis products metronidazole and the corresponding monosuccinate ester on nucleosil diol. Larsen C, et al. **J Chromatogr** 1987 Feb 27;389(1):227-35

Reversed-phase high-performance liquid chromatography of metronidazole benzoate in suspension dosage form. Pashankov PP, et al. **J Chromatogr** 1987 May 22; 394(2):382-7

Metronidazole concentrations in human plasma, saliva, and gingival crevice fluid after a single dose. Van Oosten MA, et al. **J Dent Res** 1986 Dec;65(12):1420-3

[Metronidazole content of normal and tumor tissues in the combined treatment of patients with osteogenic sarcoma] Bizer VA, et al. **Med Radiol (Mosk)** 1987 Jun;32(6):41-5 (Eng. Abstr.) **(Rus)**

BLOOD

Concentration of metronidazole in rat serum and mandible. Stavrou EJ, et al. **Br J Oral Maxillofac Surg** 1987 Feb; 25(1):45-8

Comparative serum bactericidal activity against test anaerobes in volunteers receiving imipenem, clindamycin, latamoxef and metronidazole. Van der Auwera P, et al. **J Antimicrob Chemother** 1987 Feb;19(2):205-10

Plasma metronidazole levels in an Indian elephant (Elephas maximus) after rectal administration. Gulland FM, et al. **Vet Rec** 1987 May 2;120(18):440

METABOLISM

Formation of an amino reduction product of metronidazole in bacterial cultures: lack of bactericidal activity. Ehlhardt WJ, et al. **Biochem Pharmacol** 1987 Jan 15;36(2):259-64

Steady-state pharmacokinetics of metronidazole in Crohn's disease. Eradiri O, et al. **Biopharm Drug Dispos** 1987 May-Jun;8(3):249-59

Inhibition and induction of metronidazole and antipyrine metabolism. Loft S, et al. **Eur J Clin Pharmacol** 1987; 32(1):35-41

Determination of metronidazole and its metabolites in mouse tissues and body fluids using high performance liquid chromatography. Chacko M, et al. **Indian J Biochem Biophys** 1986 Aug;23(4):220-2

Preliminary observations on interaction of 14C-metronidazole with macromolecules in vivo and in vitro. Chacko M, et al. **Indian J Physiol Pharmacol** 1986 Jul-Sep;30(3):199-204

Pharmacokinetics of metronidazole in hospitalized patients. Lau A. **Int J Clin Pharmacol Ther Toxicol** 1986 Dec; 24(12):643-5

Metronidazole metabolism following oral benzoylmetronidazole suspension in children with giardiasis. Homeida MA, et al. **J Antimicrob Chemother** 1986 Aug;18(2):213-9

Effect of enzyme induction and inhibition on the fate of metronidazole and tinidazole in the rat. Männistö PT, et al. **Pharmacol Toxicol** 1987 Jan;60(1):24-8

Metronidazole pharmacokinetics in patients with hepatic encephalopathy. Loft S, et al. **Scand J Gastroenterol** 1987 Jan;22(1):117-23

[Localization of metronidazole in the organs of tumor-bearing animals using electron paramagnetic resonance] Zhumabaeva TT, et al. **Radiobiologiia** 1986 Sep-Oct;26(5):671-4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Susceptibility of Gardnerella vaginalis to metronidazole, its bioactive metabolites, and tinidazole. Bannatyne RM, et al. **Am J Clin Pathol** 1987 May;87(5):640-1

Comparative activity of metronidazole and tinidazole against Clostridium difficile and Peptostreptococcus anaerobius. Jokipii AM, et al. **Antimicrob Agents Chemother** 1987 Feb; 31(2):183-6

Antimicrobial activity of metronidazole in anaerobic bacteria. Tally FP, et al. **Antimicrob Agents Chemother** 1978 Mar; 13(3):460-5

Lack of inhibitory effect of metronidazole on theophylline disposition in healthy subjects. Adebayo GI, et al. **Br J Clin Pharmacol** 1987 Jul;24(1):110-3

Selective suppression of the anaerobic oropharyngeal microflora with local metronidazole. Borthen L, et al. **Br J Oral Maxillofac Surg** 1987 Feb;25(1):49-56

The tropic effect of intrarectal deoxycholate on rat colorectum is unaffected by oral metronidazole. Rainey JB, et al. **Cell Tissue Kinet** 1986 Jul;19(4):485-90

In vitro antimicrobial effects of furazolidone & metronidazole. Vinayak VK, et al. **Indian J Med Res** 1986 Jul;84:39-43

Effect of metronidazole on the hepatic mixed function oxygenases (cytochromes b5 and P-450) in Swiss mice. Chacko M, et al. **Indian J Physiol Pharmacol** 1985 Oct-Dec;29(4):250-4

Bacteroides fragilis resistant to both metronidazole and imipenem [letter] Lamothe F, et al. **J Antimicrob Chemother** 1986 Nov;18(5):642-3

Distribution of metronidazole susceptibility factors in obligate anaerobes. Narikawa S. **J Antimicrob Chemother** 1986 Nov;18(5):565-74

Activities of metronidazole and niridazole against Trichomonas vaginalis clinical isolates. Yarlett N, et al. **J Antimicrob Chemother** 1987 Jun;19(6):767-70

Reduction of niridazole by metronidazole resistant and susceptible strains of Trichomonas vaginalis. Yarlett N, et al. **Parasitology** 1987 Feb;94 (Pt 1):93-9

Microbial synergy [letter] Ingham HR, et al. **Rev Infect Dis** 1987 May-Jun;9(3):659-60

Microbial synergy [letter] Ingham HR, et al. **Rev Infect Dis** 1986 Sep-Oct;8(5):828-30

[Comparative activity of 9 beta-lactamines, clindamycin and metronidazole on strictly anaerobic bacteria] Derriennic M, et al. **Pathol Biol (Paris)** 1987 May;35(5):572-6 (Eng. Abstr.) **(Fre)**

[In vitro effect of piperacillin, amoxicillin, cefoxitin and metronidazole against obligate anaerobic bacteria] Derriennic M, et al. **Presse Med** 1986 Dec 20; 15(46):2279-81 (Eng. Abstr.) **(Fre)**

[In vitro study of the diffusion of metronidazole (Klion) in extracted teeth] Ferenczi I, et al. **Fogorv Sz** 1986 Nov; 79(11):327-31 (Eng. Abstr.) **(Hun)**

[Comparative effectiveness of metronidazole, hyperglycemia and hyperthermia in irradiation of Ehrlich carcinoma with fast neutrons] Letov VN, et al. **Med Radiol (Mosk)** 1986 Sep;31(9):45-50 (Eng. Abstr.) **(Rus)**

[Effect of metronidazole on the free thymidine content in the blood serum of irradiated mice] Konov AV, et al. **Radiobiologiia** 1986 Nov-Dec;26(6):842-4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Stratified duration of prophylactic antimicrobial treatment in emergency abdominal surgery. Metronidazole-fosfomycin vs. metronidazole-gentamicin in 381 patients. Andåker L, et al. **Acta Chir Scand** 1987 Mar;153(3):185-92

Peroperative cefuroxime v. long-term ampicillin and metronidazole in high-risk biliary and gastric surgery. A multicentre trial. Jensen LS, et al. **Acta Chir Scand** 1987 Mar;153(3):193-7

Prophylactic antibiotics in women with a history of pelvic inflammatory disease undergoing first-trimester abortion. Heisterberg L. **Acta Obstet Gynecol Scand** 1987;66(1):15-8

Metronidazole-containing vaginal sponges for the treatment of bacterial vaginosis. Brenner WE, et al. **Adv Contracept** 1986 Dec;2(4):363-9

Ampicillin/sulbactam versus metronidazole-gentamicin in the treatment of soft tissue pelvic infections. Crombleholme WR, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):507-12

A comparison between netilmicin with metronidazole and doxycycline as prophylaxis in elective colorectal surgery. Brolin J, et al. **Ann Chir Gynaecol** 1986;75(4):219-24

Comparison of single and combination antimicrobial agents for prevention of experimental gas gangrene caused by Clostridium perfringens. Stevens DL, et al. **Antimicrob Agents Chemother** 1987 Feb;31(2):312-6

Bypass induced liver disease: an experimental study of the effect of post-operative protein supplementation and metronidazole therapy in an animal model. Lewin MR, et al. **Br J Exp Pathol** 1987 Feb;68(1):15-23

Topical metronidazole in the treatment of rosacea. Veien NK, et al. **Cutis** 1986 Sep;38(3):209-10

Single or multiple doses of metronidazole and ampicillin in elective colorectal surgery. A randomized trial. Juul P, et al. **Dis Colon Rectum** 1987 Jul;30(7):526-8

Evaluation of topical metronidazole gel in acne rosacea. Aronson IK, et al. **Drug Intell Clin Pharm** 1987 Apr; 21(4):346-51

Controlled trial of intravenous metronidazole as an adjunct to corticosteroids in severe ulcerative colitis. Chapman RW, et al. **Gut** 1986 Oct;27(10):1210-2

Impact of topical metronidazole on the skin and colon microflora in patients with rosacea. Eriksson G, et al. **Infection** 1987 Jan-Feb;15(1):8-10

Mononucleosis therapy [letter] Spirer Z, et al. **Infection** 1987 Jan-Feb;15(1):44

Randomized study of minocycline + gentamicin compared with metronidazole + gentamicin for prophylaxis or treatment of mixed infections in abdominal surgery. Legrand JC, et al. **Int J Clin Pharmacol Res** 1986;6(5):361-8

Comparison of preventive use of metronidazole and ampicillin in women with a history of pelvic inflammatory disease undergoing first-trimester abortion. Heisterberg L, et al. **Int J Gynaecol Obstet** 1986 Oct;24(5):343-6

Cefoxitin versus gentamicin and metronidazole in prevention of post-appendicectomy sepsis: a randomized, prospective trial. Lau WY, et al. **J Antimicrob Chemother** 1986 Nov; 18(5):613-9

Comparison of 2 g single dose of metronidazole, nimorazole and tinidazole in the treatment of vaginitis associated with Gardnerella vaginalis. Mohanty KC, et al. **J Antimicrob Chemother** 1987 Mar;19(3):393-9

Bacteroides fragilis meningitis successfully treated with metronidazole after a previous failure with thiamphenicol. Soriano F, et al. **J Clin Microbiol** 1986 Sep;24(3):472-3

A follow-up study 3 years after metronidazole therapy for chronic periodontal disease. Joyston-Bechal S, et al. **J Clin Periodontol** 1986 Nov;13(10):944-9

Microbial and clinical measurements of periodontal pockets during sequential periods of non-treatment, mechanical debridement and metronidazole therapy. van Oosten MA, et al. **J Clin Periodontol** 1987 Apr;14(4):197-204

Metronidazole: a double-blind trial in untreated human periodontal disease. Watts T, et al. **J Clin Periodontol** 1986 Nov;13(10):939-43

Single dose mezlocillin versus three dose cefuroxime plus metronidazole for the prophylaxis of wound infection after large bowel surgery. Stubbs RS, et al. **J Hosp Infect** 1987 May;9(3):285-90

Comparison of clindamycin, rifampin, tetracycline, metronidazole, and penicillin for efficacy in prevention of experimental gas gangrene due to Clostridium perfringens. Stevens DL, et al. **J Infect Dis** 1987 Feb;155(2):220-8

Metronidazole therapy for periodontitis. Loesche WJ, et al. **J Periodont Res** 1987 May;22(3):224-6

Treatment of intestinal E. histolytica and G. lamblia with metronidazole, tinidazole and ornidazole: a comparative study. Bassily S, et al. **J Trop Med Hyg** 1987 Feb;90(1):9-12

Metronidazole and dry socket: prophylactic use in mandibular third molar removal complicated by non-acute pericoronitis. Barclay JK. **NZ Dent J** 1987 Jul;83(373):71-5

Antibiotics and suction drainage as prophylaxis in vaginal and abdominal hysterectomy. Wijma J, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):384-8

Metronidazole in hyperlipidemic subjects. Betti R, et al. **Panminerva Med** 1987 Jan-Mar;29(1):79-81

A randomized comparative study of sulbactam plus ampicillin vs. metronidazole plus cefotaxime in the management of acute appendicitis in children. Foster MC, et al. **Rev Infect Dis** 1986 Nov-Dec;8 Suppl 5:S634-8

Prophylactic regimens in colorectal surgery: an open, randomized, consecutive trial on metronidazole used alone or in combination with ampicillin or doxycycline. Roland M. **World J Surg** 1986 Dec;10(6):1003-8

Bacterial vaginosis treated with metronidazole. Effects on the vaginal microbiology by a single dose versus a five days regimen. Fredricsson B, et al. **Zentralbl Gynakol** 1986; 108(13):799-804

[Intravenous use of metronidazole as prophylaxis against wound infection following appendectomy] Huang X, et al. **Chung Hua Wai Ko Tsa Chih** 1987 Feb;25(2):96-7, 126 (Eng. Abstr.) **(Chi)**

[Anaerobic bacterial infections and metronidazole therapy] Liu NB, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Jul; 24(7):438-41 (29 ref.) **(Chi)**

[Relapse of an amebic abscess of the liver after treatment with metronidazole] Gras C, et al. **Ann Gastroenterol Hepatol (Paris)** 1987 Mar-Apr; 23(2):63-6 (Eng. Abstr.) **(Fre)**

[Increase in the size of an hepatic amebic abscess treated with metronidazole: value of immunologic surveillance with the ELIFA method] Poirriez J, et al. **Med Trop (Mars)** 1987 Apr-Jun;47(2):193-5 (Eng. Abstr.)

(Fre)
[Bacteriologic findings and therapeutic consequences in adnexitis] Mendling W, et al. **Geburtshilfe Frauenheilkd** 1986 Jul;46(7):462–6 (Eng. Abstr.) (Ger)
[Metronidazole in radiotherapy of squamous cell carcinoma of the lung] Zolkiver KI, et al. **Radiobiol Radiother (Berl)** 1986;27(6):691–9 (Eng. Abstr.) (Ger)
[Bacteriological, clinical, and pharmacokinetic studies of perioperative antibiotic prophylaxis in head and neck surgery] Borneff M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1987 Mar; 183(4):337–57 (Eng. Abstr.) (Ger)
[Perioperative chemoprevention with metronidazole in cesarean section] Rösler EM, et al. **Zentralbl Gynakol** 1986; 108(17):1066–9 (Eng. Abstr.) (Ger)
[Experience with the use of the metronidazole-containing paste (Grinazole) in root canal therapy of gangrenous teeth] Nyárasdy I, et al. **Fogorv Sz** 1987 May;80(5):149–52 (Eng. Abstr.) (Hun)
[Microcirculation of tumors and adjacent tissues during combined exposure to metronidazole and hyperthermia] Amosov IS, et al. **Med Radiol (Mosk)** 1987 Jan;32(1):70–2 (Eng. Abstr.) (Rus)
[Radiation and combination treatment of maxillary cancer using metronidazole] Andreev VG, et al. **Med Radiol (Mosk)** 1986 Nov;31(11):26–30 (Eng. Abstr.) (Rus)
[Hemoglobin level—a prognostic factor of the effectiveness of metronidazole in radiotherapy of cancer of the cervix uteri] Balmukhanov SB, et al. **Med Radiol (Mosk)** 1986 Dec;31(12):16–9 (Eng. Abstr.) (Rus)
[Radiotherapy of esophageal cancer using local hyperthermia and metronidazole (polyradiomodification)] Isaev IG, et al. **Med Radiol (Mosk)** 1986 Nov;31(11):30–4 (Eng. Abstr.) (Rus)
[Radiosensitizing and toxic action of metronidazole and isometronidazole (1-(2-hydroxyethyl)-2-methyl-4-nitroimidazole) on the cells of Ehrlich ascites cancer and hemoblastosis La in vitro] Proskuriakov SIa, et al. **Radiobiologiia** 1986 Nov-Dec;26(6):766–70 (Eng. Abstr.) (Rus)
[Enhancement by metronidazole of the antitumor effect of cyclophosphane] Riabchenko NI, et al. **Radiobiologiia** 1986 Sep-Oct;26(5):661–3 (Eng. Abstr.) (Rus)
[Effect of metronidazole and local irradiation of the tumor on paramagnetic metal complexes of the liver and tumor tissues] Zhumabaeva TT, et al. **Radiobiologiia** 1987 May-Jun;27(3):384–9 (Eng. Abstr.) (Rus)
[Effect of metronidazole on the course of experimental anaerobic streptococcal pneumonia] Shrolt IG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Aug;(8):21–4 (Eng. Abstr.) (Rus)
[Effectiveness of rectal metromidazole in acute infantile appendicitis] Puig I, et al. **An Esp Pediatr** 1986 Sep; 25(3):161–4 (Eng. Abstr.) (Spa)

TOXICITY

Carcinogenicity, perinatal carcinogenicity and teratogenicity of low dose metronidazole (MNZ) in Swiss mice. Chacko M, et al. **J Cancer Res Clin Oncol** 1986;112(2):135–40
Host-mediated transformation: metronidazole. Garry VF, et al. **Mutat Res** 1987 Apr;190(4):289–95

METRORRHAGIA

DIAGNOSIS

Clinical ultrasonographic correlations in metrorrhagias of the first trimester of pregnancy. Dolfin G, et al. **Panminerva Med** 1987 Apr-Jun;29(2):123–9
[Management of postmenopausal metrorrhagia] Bekkay M, et al. **Maroc Med** 1986 Dec;8(4):482–91 (Eng. Abstr.) (Fre)

DRUG THERAPY

Therapeutic effect of danazol on metrorrhagia in patients with idiopathic thrombocytopenic purpura (ITP). Ambríz R, et al. **Nouv Rev Fr Hematol** 1986;28(5):275–9
[Calcium lonazolac and blood loss in users of intrauterine devices. Preliminary report] Rubio Lotvin B, et al. **Ginecol Obstet Mex** 1986 Aug;54:221–4 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

The positive feedback of estradiol on gonadotropin secretion in women with perimenopausal dysfunctional uterine bleeding. Cano A, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Sep;22(5–6):353–8

SURGERY

[Ambulatory hysterofibroscopic treatment of persistent metrorrhagias using the Nd:YAG laser] Cornier E. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(5):661–4 (Eng. Abstr.) (Fre)

VETERINARY

[Experiments to increase the conception rate in cows with disordered ovulation and spontaneous estrus] Marinkov T, et al. **Vet Med Nauki** 1986;23(5):72–8 (Eng. Abstr.) (Bul)

METYRAPONE

DIAGNOSTIC USE

The short metyrapone test in chronic headache patients. Szczudlik A, et al. **Funct Neurol** 1986 Jul-Sep;1(3):245–52
Hypothalamo-pituitary-adrenal function in infantile spasms: effects of ACTH therapy. Rao JK, et al. **J Child Neurol** 1987 Jul;2(3):220–3
Adrenal androgen response to metyrapone, adrenocorticotropin, and corticotropin-releasing hormone stimulation in children with hypopituitarism. Pang SY, et al. **J Clin Endocrinol Metab** 1987 Aug;65(2):282–9

PHARMACODYNAMICS

Effects of metopirone on the pars distalis, the interrenal gland and the testis of the frog, Rana cyanophlyctis (Schn.). Yajurvedi HN, et al. **Arch Anat Histol Embryol (Strasb)** 1985;68:49–59
Effect of molecular size on 5-hydroxytryptamine receptor agonist activity of 8-hydroxy-2-(alkylamino)tetralins and adrenal cortical 11 beta-hydroxylase inhibition potency of metyrapone analogues. Singh P. **Arzneimittelforschung** 1986 Oct;36(10):1437–9
The effect of metyrapone on cytokinin ([8-14C]benzylaminopurine) metabolism in mature green tomato pericarp. Long AR, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):109–14
Inhibition of retinoic acid metabolism by imidazole antimycotics in F9 embryonal carcinoma cells. Williams JB, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1386–8
Hypophysial-portal plasma levels, median eminence content, and immunohistochemical staining of corticotropin-releasing factor, arginine vasopressin, and oxytocin after pharmacological adrenalectomy. Plotsky PM, et al. **Endocrinology** 1987 Apr;120(4):1361–9
The effects of metyrapone, chalcone epoxide, benzil, clotrimazole and related compounds on the activity of microsomal epoxide hydrolase in situ, in purified form and in reconstituted systems towards different substrates. Seidegård J, et al. **Eur J Biochem** 1986 Sep 1;159(2):415–23
Effects of metyrapone and a combined alpha- and beta-adrenergic blockade on plasma glucose recovery from insulin-induced hypoglycaemia in pigs. Gürtler H. **Exp Clin Endocrinol** 1986 Aug;87(3):337–40
Differential effects of the imidazole derivatives etomidate, ketoconazole and miconazole and of metyrapone on the secretion of cortisol and its precursors by human adrenocortical cells. Lamberts SW, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):259–64
Metyrapone-induced thermogenesis in cold- and heat-acclimated rats. Ohno T, et al. **Jpn J Physiol** 1986; 36(4):821–5
Effects of fasting, water deprivation, and adrenal-blocking chemicals on resistance to Escherichia coli challenge. Gross WB, et al. **Poult Sci** 1987 Feb;66(2):270–2
Effects of corticosterone and metyrapone on gastrointestinal neurotransmitter enzyme activities. Heitkemper MM, et al. **Res Commun Chem Pathol Pharmacol** 1986 Oct;54(1):47–64

THERAPEUTIC USE

Decrease of ocular pressure with oral metyrapone. A double-masked crossover trial. Levi L, et al. **Arch Ophthalmol** 1987 Jun;105(6):777–81
Successful control of Cushing's disease in the elderly with long term metyrapone. Donckier J, et al. **Postgrad Med J** 1986 Aug;62(730):727–30

MEVALONIC ACID

ANALOGS & DERIVATIVES

Mevalonate-5-diphosphate decarboxylase: stereochemical course of ATP-dependent phosphorylation of mevalonate 5-diphosphate. Iyengar R, et al. **Biochemistry** 1986 Aug 12;25(16):4693–8
[Behavioral pharmacological action of Ca-4-(3,5-dihydroxy-3-methylpenthylamido) butyrate (mevalonic GABA, MV-GABA)] Kameyama T, et al. **Nippon Yakurigaku Zasshi** 1987 Mar;89(3):103–10 (Eng. Abstr.) (Jpn)

BIOSYNTHESIS

Inhibition of mevalonate synthesis with compactin does not prevent DNA replication in cultured animal cells. Braithwaite AW, et al. **Eur J Cell Biol** 1986 Jun;41(1):121–6
[Formation of mevalonic acid, sterols and bile acids from [1-14C]acetyl-CoA and [2-14C]malonyl-CoA in the liver of rabbits with experimental hypercholesterolemia] Klimov AN, et al. **Biokhimiia** 1987 Feb;52(2):239–46 (Eng. Abstr.) (Rus)

BLOOD

The role of circulating mevalonate in nephrotic hypercholesterolemia in the rat. Golper TA, et al. **J Lipid Res** 1986 Oct;27(10):1044–51

HISTORY

Nutrition classics. Journal of the American Chemical Society, Vol. 79, March 20, 1957: No. 6. Determination of structure of beta,delta-dihydroxy-beta-methylvaleric acid. By Donald E. Wolf, Carl H. Hoffman, Paul E. Aldrich, Helen R. Skeggs, Lemuel D. Wright and Karl Folkers. **Nutr Rev** 1986 Oct;44(10):337–9

METABOLISM

Posthatching evolution of in vivo mevalonate metabolism in chick liver. Aguilera JA, et al. **Biochem Int** 1987 Feb; 14(2):375–83
Quantitative role of different embryonic tissues in mevalonate metabolism by sterol and nonsterol pathways. Relationship with enzyme activities of cholesterogenesis. Marco C, et al. **Biochim Biophys Acta** 1986 Sep 12;878(2):238–42
Mevalonic acid products as mediators of cell proliferation in simian virus 40-transformed 3T3 cells. Larsson O, et al. **Cancer Res** 1987 Sep 15;47(18):4825–9
Mevalonate phosphorylation in lemon grass leaves. Lalitha R, et al. **Indian J Biochem Biophys** 1986 Oct;23(5):249–53
Expression of specific high capacity mevalonate transport in a Chinese hamster cell variant. Faust J, et al. **J Biol Chem** 1987 Feb 15;262(5):1996–2004
Cell cycle-specific requirement for mevalonate, but not for cholesterol, for DNA synthesis in glial primary cultures. Langan TJ, et al. **J Neurochem** 1987 Aug;49(2):513–21

PHARMACODYNAMICS

Cell-density-dependent uptake of chylomicron remnants in rat hepatocyte monolayers. Effects of compactin and mevalonic acid. Jensen E, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):74–80
Oligodendroglial differentiation in glial primary cultures: requirement for mevalonate. Langan TJ, et al. **J Neurochem** 1987 Jun;48(6):1804–8

PHYSIOLOGY

Regulation of acyl CoA: cholesterol acyl transferase (ACAT) activity by mevalonate and cholesterol in isolated rat hepatocytes during perinatal development. Bruscalupi G, et al. **Biosci Rep** 1986 Aug;6(8):735–40

MEVINPHOS see under **INSECTICIDES, ORGANOPHOSPHATE**

MEXICAN AMERICANS see **HISPANIC AMERICANS**

MEXILETINE

ADMINISTRATION & DOSAGE

Comparison of intravenous mexiletine and lidocaine for the treatment of ventricular arrhythmias. Lui HK, et al. **Am Heart J** 1986 Dec;112(6):1153–8

ADVERSE EFFECTS

Mexiletine use in pregnancy and lactation. Lownes HE, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):446–7
[Esophageal ulcerations induced by mexiletine hydrochloride] Penalba C. **Ann Gastroenterol Hepatol (Paris)** 1986 Oct;22(5):267–8 (Eng. Abstr.) (Fre)

ANALOGS & DERIVATIVES

[Pharmacokinetics of mexiletine and its hydroxymethyl metabolite after intramuscular and intravenous administration of mexiletine in healthy subjects] Levy-Prades R, et al. **Therapie** 1987 Jan-Feb;42(1):3–7 (Eng. Abstr.) (Fre)

ANALYSIS

Stereoselective analysis of the enantiomers of mexiletine by high-performance liquid chromatography using fluorescence detection and study of their stereoselective disposition in man. McErlane KM, et al. **J Chromatogr** 1987 Apr 10;415(2):335–46

BLOOD

[Pharmacokinetics of mexiletine and its hydroxymethyl metabolite after intramuscular and intravenous administration of mexiletine in healthy subjects] Levy-Prades R, et al. **Therapie** 1987 Jan-Feb;42(1):3–7 (Eng. Abstr.) (Fre)
[Determination of mexiletine in the plasma using gas chromatography] Ostrovská V, et al. **Cesk Farm** 1986 Nov; 35(9):396–8 (Eng. Abstr.) (Slo)

IMMUNOLOGY

Mexitil and cross-allergenicity [letter] Eigenberg MC. **Nurse Pract** 1987 May;12(5):6

METABOLISM

Effects of age on the pharmacokinetics of mexiletine. el Allaf D, et al. **Int J Clin Pharmacol Res** 1986;6(4):303–7
Stereoselective serum protein binding of mexiletine enantiomers in man. McErlane KM, et al. **Res Commun Chem Pathol Pharmacol** 1987 Apr;56(1):141–4
[Kinetics of mexiletine elimination in 7 healthy volunteers] Prat G, et al. **Rev Med Chil** 1987 Jan;115(1):40–3 (Eng. Abstr.) (Spa)

PHARMACODYNAMICS

Frequency- and orientation-dependent effects of mexiletine and quinidine on conduction in the intact dog heart. Bajaj AK, et al. **Circulation** 1987 May;75(5):1065-73

Effects of simultaneous administration of mexiletine and quinidine on the electrophysiologic parameters of canine Purkinje fibers. Burke GH, et al. **J Cardiovasc Pharmacol** 1986 Nov-Dec;8(6):1138-43

Comparison of the inhibitory effects of mexiletine and lidocaine on the calcium current of single ventricular cells. Ono K, et al. **Life Sci** 1986 Oct 20;39(16):1465-70

Mexiletine and caffeine elimination [letter] Joeres R, et al. **N Engl J Med** 1987 Jul 9;317(2):117

Influence of mexiletine on caffeine elimination. Joeres R, et al. **Pharmacol Ther** 1987;33(1):163-9

THERAPEUTIC USE

Electrophysiologic testing of tocainide and mexiletine for ventricular tachycardia: assessment of the need to test both drugs. Miller SM, et al. **Am Heart J** 1986 Nov; 112(5):1114-6

Newer antiarrhythmic drugs in children. Moak JP, et al. **Am Heart J** 1987 Jan;113(1):179-85

Efficacy of class Ib (lidocaine-like) antiarrhythmic agents for prevention of sustained ventricular tachycardia secondary to coronary artery disease. Reiter MJ, et al. **Am J Cardiol** 1987 Jun 1;59(15):1319-24

Effect of mexiletine on reperfusion-induced ventricular arrhythmias: comparison with lidocaine. Bonaduce D, et al. **Arch Int Pharmacodyn Ther** 1986 Nov;284(1):19-29

International Mexiletine and Placebo Antiarrhythmic Coronary Trial (IMPACT): II. Results from 24-hour electrocardiograms. IMPACT Research Group. **Eur Heart J** 1986 Sep;7(9):749-59

Class 1B agents lidocaine, mexiletine, tocainide, phenytoin. Rizzon P, et al. **Eur Heart J** 1987 Mar;8 Suppl A:21-5 (28 ref.)

Electrophysiological effects of mexiletine in patients of sinus node dysfunction and intraventricular conduction defects. Gambhir DS, et al. **Indian Heart J** 1986 May-Jun; 38(3):173-8

Mexiletine. Campbell RW. **N Engl J Med** 1987 Jan 1; 316(1):29-34 (85 ref.)

[Aconitine intoxication. Cardiac arrhythmia successfully treated with mexiletine] Poy JY, et al. **Cah Anesthesiol** 1986 Aug-Sep;34(5):429-33 **(Fre)**

[Clinical study of the effectiveness of mexitil in the treatment of patients with extrasystole in old and advanced age] Korkuschko OW, et al. **Z Gerontol** 1987 May-Jun; 20(3):149-53 (Eng. Abstr.) **(Ger)**

[Treatment of atrial fibrillation with mexiletine in Wolff-Parkinson-White syndrome] Róna G. **Z Gesamte Inn Med** 1986 Jun 15;41(12):355-8 (Eng. Abstr.) **(Ger)**

[Combination of sotalol with the class I B substances mexiletine or tocainide in complex ventricular extrasystole] Wagner WL, et al. **Z Kardiol** 1987 May;76(5):296-302 (Eng. Abstr.) **(Ger)**

[Evaluation of the efficiency of mexiletine in ventricular extrasystole in the post-infarct stage] Di Taranto A, et al. **Clin Ter** 1987 Mar 31;120(6):495-7 (Eng. Abstr.) **(Ita)**

[Therapy of myotonia congenita] Rossi B, et al. **Minerva Pediatr** 1986 Aug 31;38(15-16):673-8 (Eng. Abstr.) **(Ita)**

MEZCALIN see MESCALINE

MEZLOCILLIN

ADMINISTRATION & DOSAGE

Cesarean section prophylaxis: comparison of two doses with three doses of mezlocillin. Crombleholme WR, et al. **Am J Reprod Immunol Microbiol** 1987 Mar;13(3):71-5

Comparison of selective and nonselective single-dose antibiotic cover in biliary surgery. Ambrose NS, et al. **World J Surg** 1987 Feb;11(1):101-4

[Intra-arterial injection of mezlocillin in stage IV arterial occlusive disease. A comparison of serum and tissue concentrations following intra-arterial and intravenous injection] Amendt K, et al. **Vasa** 1987;16(2):193-200 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

[Severe bilateral involvement of the cornea in Lyell's syndrome] Sammartino A, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:206-9 **(Fre)**

BLOOD

Effect of dose on pharmacokinetics and serum bactericidal activity of mezlocillin. Flaherty JF, et al. **Antimicrob Agents Chemother** 1987 Jun;31(6):895-8

High serum concentrations of mezlocillin in a critically ill patient with renal and hepatic dysfunction. Cooper BE, et al. **Clin Pharm** 1986 Sep;5(9):764-6

CEREBROSPINAL FLUID

[A study on penetration of mezlocillin into the cerebrospinal fluid] Chen MN, et al. **Jpn J Antibiot** 1986 May; 39(5):1234-6 (Eng. Abstr.) **(Jpn)**

METABOLISM

Comparative pharmacokinetics of two multiple-dose mezlocillin regimens in normal volunteers. Colaizzi PA, et al. **Antimicrob Agents Chemother** 1986 Nov;30(5):675-8

Pharmacokinetics of mezlocillin in patients with hepatobiliary dysfunction. Meyers BR, et al. **J Antimicrob Chemother** 1986 Dec;18(6):709-13

PHARMACODYNAMICS

In vitro microbiological properties of mezlocillin compared with four cephalosporins. Esposito S, et al. **Chemioterapia** 1986 Aug;5(4):273-7

In vitro antimicrobial activity in comparison with tonsillar tissue penetration of mezlocillin. Martinetto P, et al. **Chemioterapia** 1986 Dec;5(6):385-7

The use of doxycycline, mezlocillin and clotrimazole in cell culture media as contamination prophylaxis. Hövel H, et al. **Dev Biol Stand** 1987;66:23-8

Synergy between amikacin and ticarcillin or mezlocillin against nosocomial bloodstream isolates. Guenthner SH, et al. **J Antimicrob Chemother** 1986 Oct;18(4):550-2

[Sulbactam and clavulanic acid: studies of enzyme kinetics and synergism with ampicillin and mezlocillin] Cullmann W, et al. **Immun Infekt** 1987 May;15(3):103-9 (Eng. Abstr.) **(Ger)**

[In vitro susceptibility of gram-negative bacteria isolated from urinary tract infections to acylureidopenicillins] Cerikcioğlu N, et al. **Mikrobiyol Bul** 1986 Jul;20(3):139-44 (Eng. Abstr.) **(Tur)**

THERAPEUTIC USE

Kidney function of pyelonephritis patients with impaired renal function treated with mezlocillin. Lewandowski A, et al. **Arzneimittelforschung** 1986 Jul;36(7):1148-50

Single dose mezlocillin versus three dose cefuroxime plus metronidazole for the prophylaxis of wound infection after large bowel surgery. Stubbs RS, et al. **J Hosp Infect** 1987 May;9(3):285-90

Single-dose antibiotic prophylaxis in high-risk patients undergoing cesarean section. A comparative trial. Saltzman DH, et al. **J Reprod Med** 1986 Aug;31(8):709-12

Mezlocillin in the treatment of acute salpingitis. Friberg J, et al. **Mt Sinai J Med (NY)** 1986 Sep;53(7):510-3

Comparative efficacy and safety of mezlocillin, cefoxitin, and clindamycin plus gentamicin in postpartum endometritis. Faro S, et al. **Obstet Gynecol** 1987 May;69(5):760-6

Prophylactic mezlocillin in radical hysterectomy. Micha JP, et al. **Obstet Gynecol** 1987 Feb;69(2):251-4

Mezlocillin prophylaxis against infection after cesarean section: a comparison of techniques. Lavery JP, et al. **South Med J** 1986 Oct;79(10):1248-51

Presumptive antibiotics for penetrating abdominal wounds. Posner MC, et al. **Surg Gynecol Obstet** 1987 Jul; 165(1):29-32

[Bacteriologic findings and therapeutic consequences in adnexitis] Mendling W, et al. **Geburtshilfe Frauenheilkd** 1986 Jul;46(7):462-6 (Eng. Abstr.) **(Ger)**

[Prospective study of administering a single-dose prophylactic antibiotic in primarily indicated abdominal cesarean section] Oestreicher M, et al. **Z Geburtshilfe Perinatol** 1987 Jan-Feb;191(1):12-4 (Eng. Abstr.) **(Ger)**

[Bacteriological, clinical, and pharmacokinetic studies of perioperative antibiotic prophylaxis in head and neck surgery] Borneff M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1987 Mar; 183(4):337-57 (Eng. Abstr.) **(Ger)**

[Clinical experience using mezlocillin in acute and chronic broncho- pneumonia] Quaglia R, et al. **Arch Monaldi** 1985 May-Aug;40(3-4):133-40 (Eng. Abstr.) **(Ita)**

[Mezlocillin in the therapy of patients with chronic bronchitis] Sanguinetti CM, et al. **Arch Monaldi** 1985 May-Aug;40(3-4):123-32 (Eng. Abstr.) **(Ita)**

[Mezlocillin in respiratory infections in the aged] Tomei GP, et al. **Clin Ter** 1986 Sep 15;118(5):343-6 (Eng. Abstr.) **(Ita)**

[Antibiotic prevention with mezlocillin in endoscopic urologic surgery in the aged] Laudi M, et al. **Minerva Urol Nefrol** 1987 Jan-Mar;39(1):29-31 (Eng. Abstr.) **(Ita)**

MIANSERIN

Antidepressant drugs: imipramine, mianserin and trazodone. Boschmans SA, et al. **Comp Biochem Physiol [C]** 1987; 86(2):225-32 (59 ref.)

ADVERSE EFFECTS

[Pancytopenia caused by mianserin] Lim TT, et al. **Ned Tijdschr Geneeskd** 1987 Jul 4;131(27):1180-1 (Eng. Abstr.) **(Dut)**

[Massive inversion of the T wave during treatment with mianserin (Athymil) (letter)] Huet C, et al. **Therapie** 1987 Mar-Apr;42(2):253-4 **(Fre)**

ANALOGS & DERIVATIVES

Acute and subchronic effects of Org 2305 and diazepam on psychomotor performance in man. Mattila MJ, et al. **Br J Clin Pharmacol** 1987 Feb;23(2):219-27

Capillary gas chromatographic assay for the routine monitoring of the antidepressant mepirzepine in human plasma. Paanakker JE, et al. **J Chromatogr** 1987 Jun 5; 417(1):203-7

The lack of antidepressant properties and a potent central antiserotonin activity of Org 8282. Przegaliński E, et al. **Pol J Pharmacol Pharm** 1986 Jul-Aug;38(4):377-84

The effectiveness of 6-azamianserin (Org 3770) in depressed outpatients. Claghorn JL, et al. **Psychopharmacol Bull** 1987; 23(1):160-1

[Pharmacological studies of MO-8282, a new antidepressant] Mizota M, et al. **Nippon Yakurigaku Zasshi** 1986 Dec; 88(6):457-66 (Eng. Abstr.) **(Jpn)**

[Pharmacological properties of MO-8282, a novel antidepressant] Niho T, et al. **Nippon Yakurigaku Zasshi** 1986 Oct;88(4):309-20 (Eng. Abstr.) **(Jpn)**

BLOOD

Plasma concentrations of mianserin after single dose and at steady-state in depressed elderly patients. Dawling S, et al. **Clin Pharmacokinet** 1987 Jan;12(1):73-8

Mianserin plasma levels and clinical response in primary depression. Yokoyama T, et al. **Kobe J Med Sci** 1986 Dec; 32(6):171-7

Plasma and brain pharmacokinetics of mianserin after single and multiple dosing in mice. Altamura AC, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(1):23-33

PHARMACODYNAMICS

The effects of mianserin therapy on plasma renin activity in depressed patients. Altamura AC, et al. **Biol Psychiatry** 1986 Nov;21(13):1331-4

5HT2 binding sites after mianserin: comparison of loss of sites and brain levels of drug. Sanders-Bush E, et al. **Eur J Pharmacol** 1987 Jan 13;133(2):199-204

Effects of the serotonin antagonists, cyproheptadine, ketanserin and mianserin, on cyclic flow reductions in stenosed canine coronary arteries. Bush LR. **J Pharmacol Exp Ther** 1987 Feb;240(2):674-82

Adaptive changes in the 5-HT2 binding site after chronic administration of agonists and antagonists. Blackshear MA, et al. **Neuropharmacology** 1986 Nov;25(11):1267-71

Selective desensitization of serotonin (5-HT) receptor-mediated hyperthermia by mianserin and other 5-HT antagonists. Gudelsky GA, et al. **Neuropharmacology** 1987 Jul;26(7A):707-12

Acute comparison of clovoxamine and mianserin, alone and in combination with ethanol, on human psychomotor performance. Strömberg C, et al. **Pharmacol Toxicol** 1987 May;60(5):374-9

Antagonistic effects of some metabolites and analogues of mianserin on serotonin and alpha 1- and alpha 2-adrenergic receptors in the flexor reflex model in vivo. Przegaliński E, et al. **Pol J Pharmacol Pharm** 1986 Jan-Feb;38(1):69-75

POISONING

[How safe is 'safe'? Fatal self-poisoning with mianserin and flurazepam] Westermann GM, et al. **Ned Tijdschr Geneeskd** 1987 Jul 4;131(27):1182-4 (Eng. Abstr.) **(Dut)**

THERAPEUTIC USE

Prophylactic treatment with mianserin, therapy adherence and plasma monitoring. A case report. Altamura AC, et al. **Acta Psychiatr Scand** 1986 Aug;74(2):220-1

A comparative trial of a MAOI, iproniazide, and a polycyclic agent, mianserine, for the search of the most rapidly and frequently active treatment of depressive syndromes in an oncology service. Mathé G, et al. **Biomed Pharmacother** 1987;41(1):13-26

Rapid normalization of the dexamethasone suppression test with mianserin. King DJ, et al. **Int Clin Psychopharmacol** 1987 Apr;2(2):111-6

Cognitive and psychomotor effects of different antidepressants in the treatment of old age depression. Siegfried K, et al. **Int Clin Psychopharmacol** 1986 Jul; 1(3):231-43

A controlled trial of antidepressant medication in elderly in-patients. Waite J, et al. **Int Clin Psychopharmacol** 1986 Apr;1(2):113-26

Mianserin in the treatment of elderly depressives [letter] Magni G. **J Am Geriatr Soc** 1987 Jul;35(7):707-8

Mianserin pharmacokinetics and behavior in hyperkinetic children. Winsberg BG, et al. **J Clin Psychopharmacol** 1987 Jun;7(3):143-7

Mianserin in the treatment of depressive symptoms in alcoholics. A double-blind placebo controlled study using a computer delivered self-rating scale. McLean PC, et al. **Psychiatr Pol** 1986 Nov-Dec;20(6):417-27

[Validation of HARD (Hamilton depression rating scale) a diagram of the evaluation of depression by MADRS (Montgomery-Asberg depression rating scale) Multicentric study of mianserin] Ferreri M, et al. **Encephale** 1986 Nov-Dec;12(6):343-50 (Eng. Abstr.) **(Fre)**

[Efficacy and tolerability of dothiepin in the elderly patient. Comparison with mianserin] Torta R, et al. **Minerva Psichiatr** 1986 Oct-Dec;27(4):329-30 (Eng. Abstr.) **(Ita)**

[Evaluation of the clinical effectiveness of mianserin by psychological testing (the Hamilton scale)] Chiriță V, et

al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan-Mar; 90(1):131-6 (Eng. Abstr.) **(Rum)**

MICE

Mouse liver tumors: relevance to human cancer risks. Symposium of the European Society of Toxicology. Rome, February 2-5, 1986. Proceedings. **Arch Toxicol [Suppl]** 1987;10:1-295

Comparison of serological tests for the detection of antibody to natural and experimental murine cytomegalovirus. Lussier G, et al. **Can J Vet Res** 1987 Apr;51(2):249-52

The use of mouse preimplantation embryos for quality control of culture reagents in human in vitro fertilization programs: a cautionary note. Fleming TP, et al. **Fertil Steril** 1987 May;47(5):858-60

Coxsackievirus B3 murine myocarditis: a pathologic spectrum of myocarditis in genetically defined inbred strains. Herskowitz A, et al. **J Am Coll Cardiol** 1987 Jun; 9(6):1311-9

Epidermoid cysts in the central nervous system of mice. Nobel TA, et al. **J Comp Pathol** 1987 May;97(3):357-9

Mouse therapy and religion, magic, hygiene, geography. Bloch H. **J Natl Med Assoc** 1986 Oct;78(10):1001-3

Mouse therapy and religion. Finch CS. **J Natl Med Assoc** 1987 Feb;79(2):136-40

Salmonella ochiogu: experimental infection of laboratory mice and oxytetracycline therapy. Onyekaba CO, et al. **Lab Anim** 1986 Oct;20(4):325-8

Spontaneous nonneoplastic gastric lesions in female Han:NMRI mice, and influence of food restriction throughout life. Rehm S, et al. **Vet Pathol** 1987 May; 24(3):216-25

[Circadian rhythm of air-borne bacteria and dust particles in a mouse breeding room] Obara T, et al. **Jikken Dobutsu** 1986 Jul;35(3):357-61 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

New observations on the fine structure of the normal nasopharyngeal epithelium of the mouse. Nakano T, et al. **Auris Nasus Larynx** 1986;13(3):157-68

The ciliary ganglion in mouse. Kuder T. **Folia Morphol (Warsz)** 1986;45(2):80-5

The surface structure of the dorsal epithelium of tongue in the mouse. Iwasaki S, et al. **Kaibogaku Zasshi** 1987 Apr; 62(2):69-76

[Histochemical and ultrastructural data on the adrenergic and cholinergic innervation of the epididymis in the mouse.] Nouhouayi Y, et al. **Acta Anat (Basel)** 1987;128(1):23-6 (Eng. Abstr.) **(Fre)**

[The central retinal artery of the white laboratory mouse] Maurer H, et al. **Anat Anz** 1986;162(4):233-40 (Eng. Abstr.) **(Ger)**

[Comparative histometric studies of the size of kidney glomeruli in the mouse, rat and hamster] Hackbarth H, et al. **DTW** 1987 Feb 9;94(2):58-61 (Eng. Abstr.) **(Ger)**

[Method of identifying and separating organs of endocrine secretion in mice] Kashirina NK. **Biull Eksp Biol Med** 1987 May;103(5):630-1 **(Rus)**

BLOOD

[Improvement of cardiac puncture in mice] Ohwada K. **Jikken Dobutsu** 1986 Jul;35(3):353-5 (Eng. Abstr.) **(Jpn)**

[Method of separating mouse platelets by discontinuous sucrose-gradient centrifugation] Tajima M, et al. **Jikken Dobutsu** 1987 Jan;36(1):79-81 (Eng. Abstr.) **(Jpn)**

EMBRYOLOGY

Patterns of organelle distribution in mouse embryos during preimplantation development. Batten BE, et al. **Am J Anat** 1987 Feb;178(2):204-13

Ultrastructure of neural crest formation in the midbrain/rostral hindbrain and preotic hindbrain regions of the mouse embryo. Nichols DH. **Am J Anat** 1987 Jun; 179(2):143-54

The use of acridine orange and ethidium bromide to determine the viability of pre-implantation mouse embryos cultured in vitro. Swanson SM, et al. **Br Vet J** 1987 Jul-Aug;143(4):306-11

Origin of the inner cell mass in mouse embryos: cell lineage analysis by microinjection. Pedersen RA, et al. **Dev Biol** 1986 Oct;117(2):581-95

Localization of glycoconjugates recognized by the HNK-1 antibody in mouse and chick embryos during early neural development. Holley JA, et al. **Dev Neurosci** 1987; 9(2):105-19

Binding of erythropoietin to CFU-E derived from fetal mouse liver cells. Fukamachi H, et al. **Exp Hematol** 1987 Sep;15(8):833-7

Effect of ultrasound on development. Part 2: Studies in mammalian species and overview. Sikov MR. **J Ultrasound Med** 1986 Nov;5(11):651-61 (75 ref.)

Experimental embryology of the mouse. Bürki K. **Monogr Dev Biol** 1986;19:1-77 (243 ref.)

Genomic imprinting. Memories of mother and father [news] Monk M. **Nature** 1987 Jul 16-22;328(6127):203-4

GENETICS

Persistent virus infection associated with chemical manifestations of diabetes. II. Role of viral strain, environmental insult, and host genetics. Tishon A, et al. **Am J Pathol** 1987 Jan;126(1):61-72

Reproductive behavior as a phenotypic correlate of T-locus genotype in wild house mice: implications for evolutionary models. Lenington S. **Ann NY Acad Sci** 1986;474:141-7 (32 ref.)

Genetic control of primary sex determination in mice. Eicher EM, et al. **Annu Rev Genet** 1986;20:327-60 (115 ref.)

Germ-line transformation of mice. Palmiter RD, et al. **Annu Rev Genet** 1986;20:465-99 (112 ref.)

The aryl hydrocarbon hydroxylase (Ah) locus and a novel restriction-fragment length polymorphism (RFLP) are located on mouse chromosome 12. Cobb RR, et al. **Biochem Genet** 1987 Jun;25(5-6):401-13

Evolutionary relationships between laboratory mice and subspecies of Mus musculus based on the genetic study of pancreatic proteinase loci, Prt-1, Prt-2, Prt-3, and Prt-6. Watanabe T, et al. **Biochem Genet** 1987 Apr;25(3-4):239-51

Provisional assignment of the gene for uridine monophosphatase-2 (Umph-2) to mouse chromosome 11. Wilson DE, et al. **Biochem Genet** 1987 Feb;25(1-2):1-6

Transgenic mice. Westphal H. **Bioessays** 1987 Feb;6(2):73-6

Oncogenes take wing. Bender W, et al. **Cell** 1987 Aug 14; 50(4):519-20

Expression of the proto-oncogene int-1 is restricted to postmeiotic male germ cells and the neural tube of mid-gestational embryos. Shackleford GM, et al. **Cell** 1987 Jul 3;50(1):89-95

Expression of the proto-oncogene int-1 is restricted to specific neural cells in the developing mouse embryo. Wilkinson DG, et al. **Cell** 1987 Jul 3;50(1):79-88

Pleiotropic mutations causing abnormalities in the murine immune system and the skin. Shultz LD. **Curr Probl Dermatol** 1987;17:236-50

Sequence of a placental cDNA encoding the mouse insulin-like growth factor II precursor. Stempien MM, et al. **DNA** 1986 Oct;5(5):357-61

Microclones from a mouse germ line HSR detect amplification and complex rearrangements of DNA sequences. Weith A, et al. **EMBO J** 1987 May; 6(5):1295-300

The mouse myoglobin gene. Characterisation and sequence comparison with other mammalian myoglobin genes. Blanchetot A, et al. **Eur J Biochem** 1986 Sep 15; 159(3):469-74

A new V gene expressed in lambda-2 light chains of the mouse. Dildrop R, et al. **Eur J Immunol** 1987 May; 17(5):731-4

Abstracts of papers presented at the Mammalian Genetics Group meeting. London, 25 and 26 November 1986. **Genet Res** 1987 Jun;49(3):249-56

Interspecific mitochondrial DNA transfer and the colonization of Scandinavia by mice. Gyllensten U, et al. **Genet Res** 1987 Feb;49(1):25-9

Five of the nine genetically defined regions of mouse t haplotypes are involved in transmission ratio distortion. Silver LM, et al. **Genet Res** 1987 Feb;49(1):51-6

Absence of Y-chromosome introgression across the hybrid zone between Mus musculus domesticus and Mus musculus musculus. Vanlerberghe F, et al. **Genet Res** 1986 Dec; 48(3):191-7

A new mutation (t-int) interacts with the mutations of the mouse T/t complex that affect the tail. Artzt K, et al. **Genetics** 1987 Aug;116(4):601-5

Molecular genetics of Mus musculus: point mutagenesis and millimorgans. Dove WF. **Genetics** 1987 May;116(1):5-8

Evolution of a mouse Y chromosomal sequence flanked by highly repetitive elements. Nishioka Y, et al. **Genome** 1987 Apr;29(2):380-3

Abstracts of papers presented at the Workshop on Molecular Genetics of the Mouse IV. September 17-20, 1984, Montpellier, France. **Hereditas** 1986;104(2):149-70

Gene transplants into germ cells. Palmiter RD, et al. **Hosp Pract [Off]** 1987 Sep 15;22(9):77-83, 87-8

Gene transfer into mammalian embryos. Krimpenfort P, et al. **Hum Reprod** 1987 May;2(4):333-9 (60 ref.)

Mapping of the mouse Ly-6, Xp-14, and Gdc-1 loci to chromosome 15. Hogarth PM, et al. **Immunogenetics** 1987; 25(1):21-7

Evolution of a V kappa gene family. Jouvin-Marche E, et al. **Immunogenetics** 1986;24(3):191-201

Structure and expression of polypeptides encoded in the mouse Qa region. Robinson PJ. **Immunol Res** 1987; 6(1-2):46-56 (41 ref.)

Somatic cell variants of the murine major histocompatibility complex. Zeff RA, et al. **Immunol Res** 1987;6(1-2):133-44 (52 ref.)

Hermaphroditism, sex chromosomal mosaicism and germ cell selection in allophenic mice. Mintz B. **J Anim Sci** 1968;27 Suppl 1:51-60

Genetic association between nest building and brown adipose tissue thermogenesis in female house mice. Schneider JE, et al. **J Comp Physiol [B]** 1987;157(1):39-44

Fox colors in relation to colors in mice and sheep. Adalsteinsson S, et al. **J Hered** 1987 Jul-Aug;78(4):235-7

Linkage analysis of the murine interferon alpha locus (Ifa) on chromosome 4. De Maeyer E, et al. **J Hered** 1987 May-Jun;78(3):143-6

Software package for record-keeping and analysis of a breeding mouse colony. Silver LM. **J Hered** 1986 Nov-Dec;77(6):479

Chromosomal location of the genes encoding complement components C5 and factor H in the mouse. D'Eustachio P, et al. **J Immunol** 1986 Dec 15;137(12):3990-5

Two interleukin 1 genes in the mouse: cloning and expression of the cDNA for murine interleukin 1 beta. Gray PW, et al. **J Immunol** 1986 Dec 1;137(11):3644-8

Anhidrosis and absence of sweat glands in mice hemizygous for the Tabby gene: supportive evidence for the hypothesis of homology between Tabby and human anhidrotic (hypohidrotic) ectodermal dysplasia (Christ-Siemens-Touraine syndrome). Blecher SR. **J Invest Dermatol** 1986 Dec;87(6):720-2

Relationships among DNA sequences of the 1.3 kb EcoRI family of mouse DNA. Dubnick M, et al. **J Mol Evol** 1983; 19(2):115-21

Energetic efficiency of protein and fat deposition in mice with a major gene for rapid postweaning gain. Bernier JF, et al. **J Nutr** 1987 Mar;117(3):539-48

A preferred region for integration of Friend murine leukemia virus in hematopoietic neoplasms is closely linked to the Int-2 oncogene. Silver J, et al. **J Virol** 1986 Dec; 60(3):1156-8

DNA sequences homologous to the Drosophila opa repeat are present in murine mRNAs that are differentially expressed in fetuses and adult tissues. Duboule D, et al. **Mol Cell Biol** 1987 May;7(5):2003-6

The murine tumor necrosis factor-beta (lymphotoxin) gene sequence. Gray PW, et al. **Nucleic Acids Res** 1987 May 11;15(9):3937

Assignment of the TIMP gene to the murine X-chromosome using an inter-species cross. Jackson IJ, et al. **Nucleic Acids Res** 1987 May 26;15(10):4357

Complete sequence of mouse S6 ribosomal protein. Lalanne JL, et al. **Nucleic Acids Res** 1987 Jun 25;15(12):4990

A mouse Ulb-2 gene with extensive sequence similarity to a rat Ula gene for 670 nucleotides 5' to the gene. Moussa NM, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3622

Molecular cloning and characterization of small polydisperse circular DNA from mouse 3T6 cells. Sutnerhagen P, et al. **Nucleic Acids Res** 1986 Oct 24;14(20):7823-38

Evaluation and utilization of transgenic animal models in studies of pancreatic cancer. Pancreas Cancer Working Group. **Pancreas** 1987;2(4):470-2

Transgenesis by means of blastocyst-derived embryonic stem cell lines. Gossler A, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9065-9

Oncogenesis of the lens in transgenic mice. Mahon KA, et al. **Science** 1987 Mar 27;235(4796):1622-8

A-raf oncogene localizes on mouse X chromosome to region some 10-17 centimorgans proximal to hypoxanthine phosphoribosyltransferase gene. Avner P, et al. **Somatic Cell Mol Genet** 1987 May;13(3):267-72

Tumorigenesis in transgenic mice by a nuclear transport-defective SV40 large T-antigen gene. Pinkert CA, et al. **Virology** 1987 Sep;160(1):169-75

[The selective modification of alternative criteria of the synchronization effect in the laboratory mouse and correlated effects in litter criteria] Schüler L. **Arch Exp Veterinarmed** 1987 Mar;41(2):258-63 (Eng. Abstr.) **(Ger)**

[Gene expression in transgenic mice] Katsuki M. **Seikagaku** 1987 May;59(5):265-78 (123 ref.) **(Jpn)**

[Transgenic mice and carcinogenesis in vivo] Suda Y, et al. **Tanpakushitsu Kakusan Koso** 1987 Feb;32(2):136-41 (21 ref.) **(Jpn)**

[Origins and development of laboratory mice: application of wild mice to breeding of new laboratory strains] Yonekawa H, et al. **Tanpakushitsu Kakusan Koso** 1986 Oct; 31(12):1151-70 (95 ref.) **(Jpn)**

[Chromosome segregation in mice heterozygous for Robertsonian translocations. I. The effect of mutation in chromosome 17 on the disjunction of homologs in females] Rubinskiĭ AO, et al. **Genetika** 1986 Sep;22(9):2326-32 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

The effects of orchidectomy and the role of testosterone in determining the growth of male mice selected for increased body weight. Hooper AC, et al. **Andrologia** 1986 Sep-Oct; 18(5):509-15

On the ontogeny and interactions of glyceraldehyde-3-phosphate dehydrogenase. Reid S, et al. **Mech Ageing Dev** 1986 Aug;35(3):209-19

IMMUNOLOGY

Cross protection of mice and swine given live-organism vaccine against challenge exposure with strains of Erysipelothrix rhusiopathiae representing ten serovars. Sawada T, et al. **Am J Vet Res** 1987 Jan;48(1):81-4

Preexisting human anti-murine immunoglobulin reactivity due to polyclonal rheumatoid factors. Courtenay-Luck NS, et al. **Cancer Res** 1987 Aug 15;47(16):4520-5

Allergy to mice. I. Identification of two major mouse allergens (Ag 1 and Ag 3) and investigation of their possible origin. Price JA, et al. **Clin Allergy** 1987 Jan;17(1):43-53

Monoclonal antibodies specific for mouse class I and class II Mhc determinants. Klein D, et al. **Immunogenetics** 1987; 25(5):351-5

Characterization of newly isolated monoclonal antibodies against MHC of a Japanese wild mouse. Sagai T, et al. **Immunogenetics** 1986;24(6):361-7

Fine specificity and T-cell receptor beta-chain gene

rearrangements of five H-2Db-specific cytotoxic T-cell clones. Schilham MW, et al. **Immunogenetics** 1987; 25(3):171–8

Analysis of structure/function relationships among major histocompatibility complex class I antigens. Bluestone JA. **Immunol Res** 1987;6(1–2):67–79 (61 ref.)

Studies on the genetic and cellular control of sensitivity to enterotoxins in the sealed adult mouse model. Richardson SH, et al. **Infect Immun** 1986 Nov;54(2):522–8

Allergy to laboratory animals: characterization and source of two major mouse allergens, Ag 1 and Ag 3. Longbottom JL, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):450–2

Enhancement of immune response in mice fed with Streptococcus thermophilus and Lactobacillus acidophilus. Perdigon G, et al. **J Dairy Sci** 1987 May;70(5):919–26

Susceptibility/resistance to mouse hepatitis virus strain 3 and macrophage procoagulant activity are genetically linked and controlled by two non-H-2-linked genes. Dindzans VJ, et al. **J Immunol** 1986 Oct 1;137(7):2355–60

A serological survey on 15 murine pathogens in mice and rats. Kagiyama N, et al. **Jikken Dobutsu** 1986 Oct; 35(4):531–6

Serological surveys of Corynebacterium kutscheri infection in mice and rats. Suzuki E, et al. **Jikken Dobutsu** 1986 Oct; 35(4):485–9

Antigenic phenotype of NIH 3T3 cell line. Ivanyi D. **JNCI** 1987 Jul;79(1):149–53

METABOLISM

Fluid compartmentation in skeletal muscle and carcass of Mus musculus acclimated to water scarcity. Haines H, et al. **Comp Biochem Physiol [A]** 1987;87(3):597–601

Detection of nuclear lamin B epitopes in oocyte nuclei from mice, sea urchins, and clams using a human autoimmune serum. Maul GG, et al. **Dev Biol** 1987 Jun;121(2):368–75

Dopamine and serotonin systems in human and rodent brain: effects of age and neurodegenerative disease. Morgan DG, et al. **J Am Geriatr Soc** 1987 Apr;35(4):334–45 (121 ref.)

Cell and species differences in metabolic activation of chemical carcinogens. Hsu IC, et al. **Mutat Res** 1987 Mar; 177(1):1–7

Comparison of S9 fractions from rats, mice, and Chinese hamsters to metabolize dimethylnitrosamine and diethylnitrosamine to intermediates that induce sister-chromatid exchanges in V79 cells. Sirianni SR, et al. **Mutat Res** 1987 May;188(1):7–11

[Variation of known parameters of foreign substance-metabolizing systems in untreated mice] Heubel F. **Z Versuchstierkd** 1987;29(1–2):71–82 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Comparative biological characterization of mouse adenovirus strains FL and K 87 and seroprevalence in laboratory rodents. Smith AL, et al. **Arch Virol** 1986;91(3–4):233–46

Temporary and permanent modifications to a single strain of mouse scrapie on transmission to rats and hamsters. Kimberlin RH, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):1875–81

Transmission of mouse thymic virus. St-Pierre Y, et al. **J Gen Virol** 1987 Apr;68 (Pt 4):1173–6

Amphotropic proviral envelope sequences are absent from the Mus germ line. O'Neill RR, et al. **J Virol** 1987 Jul; 61(7):2225–31

Comparison of experimental infection in mice of Corynebacterium renale piliated and non-piliated clones. Fukuoka T, et al. **Jpn J Vet Res** 1987 Apr;35(2):79–86

Colonization resistance against Pseudomonas aeruginosa in gnotobiotic mice. Itoh K, et al. **Lab Anim** 1986 Jul; 20(3):197–201

Isolation of Clostridium difficile from various colonies of laboratory mice. Itoh K, et al. **Lab Anim** 1986 Jul; 20(3):266–70

Infectivity for mice of avian influenza A viruses of H7N7, H5N3 and H2N2 subtypes isolated from migratory waterfowls in San-in District, Western Japan. Otsuki K, et al. **Nippon Juigaku Zasshi** 1987 Feb;49(1):199–201

Influence of different laboratory animal diets on segmented organisms in the small intestine, relative cecal weight, fecal Enterobacteriaceae and bile acid excretion. Koopman JP, et al. **Z Versuchstierkd** 1987;29(1–2):93–7

A comparison of two media for culturing the anaerobic cecal microflora of mice. Koopman JP, et al. **Z Versuchstierkd** 1987;29(3–4):165–70

[Serodiagnosis of microbiosis in mice with a quantitative assay of immunoglobulins by a microcomputer-introduced ELISA system. 1. Anti-Sendai virus antibodies in naturally infected mouse sera] Yanabe M, et al. **Jikken Dobutsu** 1986 Jul;35(3):279–92 (Eng. Abstr.) **(Jpn)**

[Isolation of Leptospira in conventional animals, Mus musculus (albino variety) obtained from a traditional breeding center] García MJ, et al. **Rev Cubana Med Trop** 1985 Sep-Dec;37(3):341–7 (Eng. Abstr.) **(Spa)**

[Testing of the footpad technic for the cultivation of Mycobacterium leprae in different lines of mice populations in Cuba] Suárez Moreno O, et al. **Rev Cubana Med Trop** 1986 Sep-Dec;38(3):297–9 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

alpha-Difluoromethylornithine inhibits the first part of exoerythrocytic schizogony of Plasmodium berghei in rodents. Lowa PM, et al. **Ann Soc Belg Med Trop** 1986; 66(4):301–8

Experimental transmission of Sarcocystis muriviperae n. sp. to laboratory mice by sporocysts from the Palestinian viper (Vipera palaestinae): a light and electron microscope study. Matuschka FR, et al. **Parasitol Res** 1987;73(1):33–40

[Development of Eimeria tenella in a nonspecific host: the mouse] Naciri M, et al. **Ann Rech Vet** 1986;17(2):141–6 (Eng. Abstr.) **(Fre)**

[Differentiation of Sarcocystis muris and S. dispersa infections of the mouse using isoelectric focusing and immune assays] Reiter I, et al. **DTW** 1986 Oct 8;93(9):433–7 (Eng. Abstr.) **(Ger)**

[Prenatal and galactogenic infections with Toxocara mystax Zeder 1800 (Anisakidae) in the mouse] Schön J, et al. **Zentralbl Veterinarmed [B]** 1986 Aug;33(6):397–412 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Adaptation to extreme ambient temperatures in cold-acclimated gerbils and mice. Oufara S, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):R39–45

Hormonal regulation of chemosignal-stimulated precopulatory behaviors in male housemice (Mus musculus). Bean NJ, et al. **Horm Behav** 1986 Dec; 20(4):390–404

Evaluation of the fate of blastocysts in pregnancy-blocked mice: effect of sterile mating. Rajendren G, et al. **Indian J Exp Biol** 1986 Aug;24(8):481–3

Neuroendocrine studies in hyperprolactinaemic male mice. Bartke A, et al. **J Endocrinol** 1987 Feb;112(2):215–20

Effects of hyperprolactinaemia on male sexual behaviour in the golden hamster and mouse. Shrenker P, et al. **J Endocrinol** 1987 Feb;112(2):221–8

D-amino acid in irradiated and aged mouse. Fujii N, et al. **J Radiat Res (Tokyo)** 1986 Jun;27(2):183–90

Postnatal differentiation and endocrine control of esterase isoenzymes in the mouse epididymis. Abou-Haïla A, et al. **J Reprod Fertil** 1987 Mar;79(2):437–46

Determination of oestrous condition in female mice is dependent upon time of day. Drickamer LC. **J Reprod Fertil** 1987 Mar;79(2):659–62

Seasonal variations in the effectiveness of urinary chemosignals influencing puberty in female house mice. Drickamer LC. **J Reprod Fertil** 1987 May;80(1):295–300

An investigation using lectins of glycocomponents of mouse spermatozoa during capacitation and sperm-zona binding. Lee SH, et al. **J Reprod Fertil** 1987 May;80(1):65–74

Food availability and secondary sex ratio variation in wild and laboratory house mice (Mus musculus). Meikle DB, et al. **J Reprod Fertil** 1986 Nov;78(2):587–91

The effects of fasting and refeeding on the thyroid follicles of young and aged mice--morphometric analysis. Numazawa A, et al. **Jikken Dobutsu** 1986 Jul;35(3):307–14

Testing housing system for mice--the value of a preference test. Baumans V, et al. **Z Versuchstierkd** 1987;29(1–2):9–14

A comparison of two variants of the chimney behaviour test in mice. Heinecke H. **Z Versuchstierkd** 1987;29(3–4):145–8

[Multifactorial method for assessing the physical work capacity of mice] Dubovik BV, et al. **Farmakol Toksikol** 1987 Mar-Apr;50(2):116–21 (Eng. Abstr.) **(Rus)**

[Reaction of house mice to the smell of individuals of the same species: the effect of early olfactory experience] Sokolov VE, et al. **Izv Akad Nauk SSSR [Biol]** 1987 Mar-Apr;(2):165–72 (Eng. Abstr.) **(Rus)**

MICE, DEER see **PEROMYSCUS**

MICE, HAIRLESS see **MICE, INBRED HRS**

MICE, HOUSE see **MICE**

MICE, INBRED A

IMMUNOLOGY

Analysis of deficiencies in IFN-gamma-mediated priming for tumor cytotoxicity in peritoneal macrophages from A/J mice. Hamilton TA, et al. **J Immunol** 1986 Nov 15; 137(10):3367–71

METABOLISM

Kinetics of arylamine N-acetyltransferase in tissues from rapid and slow acetylator mice. Mattano SS, et al. **Carcinogenesis** 1987 Jan;8(1):133–7

Genetic regulation of lipopolysaccharide-induced interleukin 1 production by murine peritoneal macrophages. Brandwein SR, et al. **J Immunol** 1987 Jun 15;138(12):4263–9

MICE, INBRED AKR

ANATOMY & HISTOLOGY

Angioarchitecture of the CNS, pituitary gland, and intracerebral grafts revealed with peroxidase cytochemistry. Broadwell RD, et al. **J Comp Neurol** 1987 Jun 1;260(1):47–62

GENETICS

Thymic epithelium controls thymocyte expression of preleukemic phenotype and leukemogenic retroviruses. Tempelis LD. **J Immunol** 1987 May 15;138(10):3555–65

[Detection of DNA sequences sensitive to glucocorticoids in the thymus of AKR mice and their inactivation in thymoma] Novikova VM, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):563–6 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Class II polytropic murine leukemia viruses (MuLVs) of AKR/J mice: possible role in the generation of class I oncogenic polytropic MuLVs. Evans LH, et al. **J Virol** 1987 Jun;61(6):1882–92

Expression of mink cell focus-forming murine leukemia virus-related transcripts in AKR mice. Khan AS, et al. **J Virol** 1987 Mar;61(3):876–82

PHYSIOLOGY

Further studies on migration and colonization of leukemic lymphoblasts in AKR and HSS inbred mice. Arany I, et al. **Cancer Biochem Biophys** 1987 May;9(2):149–54

MICE, INBRED BALB C

Different patterns of disease in two inbred mouse strains infected with a clone of Leishmania mexicana amazonensis. Barral-Netto M, et al. **Acta Trop (Basel)** 1987 Mar; 44(1):5–11

Tumour-promoting effect of chilli extract in BALB/c mice. Agrawal RC, et al. **Int J Cancer** 1986 Nov 15;38(5):689–95

BLOOD

Serum steroid levels in intact and endocrine ablated BALB/c nude mice and their intact littermates. Brünner N, et al. **J Steroid Biochem** 1986 Sep;25(3):429–32

[Damage to the hematopoietic system of BALB/c and CBA mice undergoing long-term repeated irradiation] Muksinova KN. **Radiobiologiia** 1987 May-Jun;27(3):369–72 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

An unusual radiation-induced G2 arrest in the zygote of the BALB/c mouse strain. Grinfeld S, et al. **Int J Radiat Biol** 1987 Feb;51(2):353–63

Defects of the fetal forebrain in mice with hereditary agenesis of the corpus callosum. Wahlsten D. **J Comp Neurol** 1987 Aug 8;262(2):227–41

GENETICS

Influence of mouse genotype on responses of central biogenic amines to alcohol intoxication and aging. Besnard F, et al. **Alcohol** 1986 Nov-Dec;3(6):345–50

One heavy chain variable region gene segment subfamily in the BALB/c mouse contains 500–1000 or more members. Livant D, et al. **Cell** 1986 Nov 7;47(3):461–70

Passive avoidance behavior in mice: interaction between age and genotype. Puglisi-Allegra S, et al. **Exp Aging Res** 1986 Summer;12(2):107–9

Mouse satellite DNA, centromere structure, and sister chromatid pairing. Lica LM, et al. **J Cell Biol** 1986 Oct; 103(4):1145–51

A low polymorphic mouse H-2 class I gene from the Tla complex is expressed in a broad variety of cell types. Transy C, et al. **J Exp Med** 1987 Aug 1;166(2):341–61

Expansion of the complement receptor gene family. Identification in the mouse of two new genes related to the CR1 and CR2 gene family. Aegerter-Shaw M, et al. **J Immunol** 1987 May 15;138(10):3488–94

Structure of the T15 VH gene subfamily: identification of immunoglobulin gene promotor homologies. Siu G, et al. **J Immunol** 1987 Jun 15;138(12):4466–71

Structural diversity of murine serum amyloid A genes. Evolutionary implications. Yamamoto K, et al. **J Immunol** 1987 Sep 1;139(5):1683–8

Radiation-induced forward and reverse specific locus mutations and dominant cataract mutations in treated strain BALB/c and DBA/2 male mice. Favor J, et al. **Mutat Res** 1987 Mar;177(1):161–9

GROWTH & DEVELOPMENT

Adequacy of chemically defined, water-soluble diet for germfree BALB/c mice through successive generations and litters. Pleasants JR, et al. **J Nutr** 1986 Oct; 116(10):1949–64

IMMUNOLOGY

Induction of plasma cell tumours with 2,6,10,14-tetramethylpentadecane (pristane) and paraffin oil (paraffinum perliquidum) in BALB/c mice simultaneously exposed to sustained antigenic stimulation with bovine serum albumin (BSA). Janz S, et al. **Arch Geschwulstforsch** 1987;57(1):25–30

Variation in susceptibility of Balb/c mice to coxsackievirus group B type 3-induced myocarditis with age. Lyden D, et al. **Cell Immunol** 1987 Apr 1;105(2):332–9

Monoclonal anti-allotype antibody towards BALB/c IgM. Analysis of specificity and site of a V-C crossover in recombinant strain BALB-Igh-Va/Igh-Cb. Schüppel R,

et al. **Eur J Immunol** 1987 May;17(5):739–41

Antibody repertoires of normal BALB/c mice: B lymphocyte populations defined by state of activation. Holmberg D, et al. **Immunol Rev** 1986 Oct;93:147–69

Induction of antiphosphocholine antibodies utilizing lambda light chains in BALB/c mice. Hall TJ. **Int Arch Allergy Appl Immunol** 1987;83(2):210–2

Distinctive cellular immunity in genetically susceptible BALB/c mice recovered from Leishmania major infection or after subcutaneous immunization with killed parasites. Liew FY, et al. **J Immunol** 1987 Jun 15;138(12):4450–6

Modulation of the pattern of development of experimental disseminated leishmaniasis by Corynebacterium parvum. Hill JO. **J Leukocyte Biol** 1987 Feb;41(2):165–9

Experimental allergic orchitis in mice: III. Differential susceptibility and resistance among BALB/c sublines. Teuscher C, et al. **J Reprod Immunol** 1987 Mar;10(3):219–30

METABOLISM

[Urinary excretion of catecholamines in black mice C57BL/6 and albino mice BALB/c] Zbytniewski Z, et al. **Endokrynol Pol** 1986;37(2):91–4 **(Pol)**

MICE, INBRED C3H

[Comparison of tumor cell behavior following single daily or multiple daily (accelerated) irradiation in mammary cancer in C3H mice] Pfersdorff J, et al. **Strahlenther Onkol** 1986 Nov;162(11):723–8 (Eng. Abstr.) **(Ger)**

BLOOD

Age dependent change in size distribution of blood cells in fetal and young mice. Takahashi S, et al. **Jikken Dobutsu** 1987 Apr;36(2):177–83

GENETICS

Characterization of a genetic difference in the platelet aggregation response of two inbred mouse strains, C57BL/6 and C3H/He. Paigen B, et al. **Atherosclerosis** 1987 Apr;64(2–3):181–90

Segregation distortion of X-linked marker genes in interspecific crosses between Mus musculus and M. spretus. Biddle FG. **Genome** 1987 Apr;29(2):389–92

Genetic analysis of nicotine-induced seizures and hippocampal nicotinic receptors in the mouse. Miner LL, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):853–60

Difference between two hybrid stocks of mice in the incidence of congenital abnormalities following X-ray exposure of stem-cell spermatogonia. Rutledge JC, et al. **Mutat Res** 1986 Dec;163(3):299–302

IMMUNOLOGY

Macrophages from endotoxin-hyporesponsive (Lpsd) C3H/HeJ mice are permissive for vesicular stomatitis virus because of reduced levels of endogenous interferon: possible mechanism for natural resistance to virus infection. Vogel SN, et al. **J Virol** 1987 Mar;61(3):812–8

H-2, Ah, and aging: the immune response and the inducibility of P-450 mediated monooxygenase activities, xanthine oxidase, and lipid peroxidation in H-2 congenic mice on C57BL/10, C3H, and A strain backgrounds. Koizumi A, et al. **Mech Ageing Dev** 1986 Dec;37(2):119–36

Production of C3W mouse strain congenic to C3H/HeN at the newly defined minor H-42 histocompatibility locus. Kato H, et al. **Microbiol Immunol** 1986;30(9):939–43

METABOLISM

Dose-response analysis of nicotine tolerance and receptor changes in two inbred mouse strains. Marks MJ, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):358–64

PARASITOLOGY

Trypanosoma cruzi: constancy of clone pathogenicity for inbred mice during long-term in vitro maintenance. Postan M, et al. **Trans R Soc Trop Med Hyg** 1986;80(4):659–62

PHYSIOLOGY

Strain-selective effects of nicotine on electrophysiological responses evoked in hippocampus from DBA/2Ibg and C3H/2Ibg mice. Freund RK, et al. **J Neurogenet** 1987 Apr; 4(2–3):75–86

[Characteristics of the morphofunctional changes in the liver of C3HA mice due to immunization with a homogenate of normal syngeneic liver] Medvedeva ND, et al. **Tsitologiia** 1987 Feb;29(2):239–43 (Eng. Abstr.) **(Rus)**

MICE, INBRED C57BL

An experimental model of communicating hydrocephalus in C57 black mouse. Kanno T, et al. **Acta Neurochir (Wien)** 1987;86(3–4):111–4

Different patterns of disease in two inbred mouse strains infected with a clone of Leishmania mexicana amazonensis. Barral-Netto M, et al. **Acta Trop (Basel)** 1987 Mar; 44(1):5–11

ANATOMY & HISTOLOGY

Relative distribution of mature erythrocytes, polychromatic erythrocytes (PE) and micronucleated PE on mouse bone-marrow smears: control observations. Mirkova E, et al. **Mutat Res** 1987 Aug;182(4):203–9

BLOOD

[Effect of fenazepam on the ACTH content of the blood plasma in inbred mice under stress exposure] Seredenin SB, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):724–6 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Defects of the fetal forebrain in mice with hereditary agenesis of the corpus callosum. Wahlsten D. **J Comp Neurol** 1987 Aug 8;262(2):227–41

GENETICS

Influence of mouse genotype on responses of central biogenic amines to alcohol intoxication and aging. Besnard F, et al. **Alcohol** 1986 Nov-Dec;3(6):345–50

Characterization of a genetic difference in the platelet aggregation response of two inbred mouse strains, C57BL/6 and C3H/He. Paigen B, et al. **Atherosclerosis** 1987 Apr;64(2–3):181–90

Passive avoidance behavior in mice: interaction between age and genotype. Puglisi-Allegra S, et al. **Exp Aging Res** 1986 Summer;12(2):107–9

Appetitive learning by old mice. Warren JM. **Exp Aging Res** 1986 Summer;12(2):99–105

Predisposition to EAE induction in resistant mice by prior infection with Semliki Forest virus. Mokhtarian F, et al. **J Immunol** 1987 May 15;138(10):3264–8

Difference between two hybrid stocks of mice in the incidence of congenital abnormalities following X-ray exposure of stem-cell spermatogonia. Rutledge JC, et al. **Mutat Res** 1986 Dec;163(3):299–302

Nearly identical members of the heterogeneous IAP gene family are expressed in thymus of different mouse strains. Grossman Z, et al. **Nucleic Acids Res** 1987 May 11; 15(9):3823–34

[The mi locus controls the properties of ectomesenchymal cells in the mouse] Koniukhov BV, et al. **Izv Akad Nauk SSSR [Biol]** 1987 Mar-Apr;(2):203–12 (Eng. Abstr.) **(Rus)**

[Genetic action of 131I and 125I on the germ cells of male mice] Shevchenko VA, et al. **Radiobiologiia** 1986 Nov-Dec;26(6):771–7 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Behavioral development in mice: effects of maternal environment and the albino locus. Le Pape G, et al. **Behav Genet** 1986 Sep;16(5):531–41

IMMUNOLOGY

The mechanism of appearance of specific antibody-forming cells in lungs of inbred mice after immunization with sheep erythrocytes intratracheally. II. Dose-dependence and kinetics of appearance of antibody-forming cells in hilar lymph nodes and lungs of unprimed and primed mice. Kaltreider HB, et al. **Am Rev Respir Dis** 1987 Jan; 135(1):87–92

Circannual rhythm in natural killer activity and mitogen responsiveness of murine splenocytes. Pati AK, et al. **Cell Immunol** 1987 Aug;108(1):227–34

Unsuitability of the assay for cell-mediated lympholysis in inbred mice for H-Y antigen determination of human cells. Braun A, et al. **Hum Genet** 1987 Aug;76(4):369–74

Receptor diversity of insulin-specific T cell lines from C57BL (H-2b) mice. Spinella DG, et al. **J Immunol** 1987 Jun 1;138(11):3991–5

H-2, Ah, and aging: the immune response and the inducibility of P-450 mediated monooxygenase activities, xanthine oxidase, and lipid peroxidation in H-2 congenic mice on C57BL/10, C3H, and A strain backgrounds. Koizumi A, et al. **Mech Ageing Dev** 1986 Dec;37(2):119–36

Age-dependent changes in isotype expression and down-regulation of C57BL/6 mice. Ponnappan U, et al. **Scand J Immunol** 1987 Jan;25(1):45–54

Serological biochemical and functional characterisation of three different HLA-DR monoclonal antibodies derived from C57BL6 mice. Sachs JA, et al. **Tissue Antigens** 1986 Oct;28(4):199–207

Analysis of differential survival of syngeneic islets transplanted into hyperglycemic C57BL/6J versus C57BL/KsJ mice. Leiter EH. **Transplantation** 1987 Sep; 44(3):401–6

METABOLISM

Strain-dependent differences in the metabolism of 3-methylcholanthrene by maternal, placental, and fetal tissues of C57BL/6J and DBA/2J mice. George JD, et al. **Cancer Res** 1986 Nov;46(11):5671–5

Kinetics of arylamine N-acetyltransferase in tissues from rapid and slow acetylator mice. Mattano SS, et al. **Carcinogenesis** 1987 Jan;8(1):133–7

Induction of new carbonic anhydrase II following treatment with acetazolamide in DBA and C57 mice. Banks DA, et al. **Epilepsia** 1986 Sep-Oct;27(5):510–5

Comparative toxicity and biotransformation of lindane in C57BL/6 and DBA/2 mice. Liu PT, et al. **Life Sci** 1986 Oct 6;39(14):1237–44

Effect of age and dietary fat (fish, corn and coconut oils) on tocopherol status of C57BL/6Nia mice. Meydani SN, et al. **Lipids** 1987 May;22(5):345–50

Difference in monoamine oxidase B activity between C57 black and albino NMRI mouse strains may explain differential effects of the neurotoxin MPTP. Zimmer J, et al. **Neurosci Lett** 1987 Aug 5;78(3):253–8

[Urinary excretion of catecholamines in black mice C57BL/6 and albino mice BALB/c] Zbytniewski Z, et al. **Endokrynol Pol** 1986;37(2):91–4 **(Pol)**

MICROBIOLOGY

Microsporum canis epidemic in laboratory mice. Difonzo EM, et al. **Mykosen** 1986 Dec;29(12):591–5

PHYSIOLOGY

Evaluation of the effect of age on hematopoiesis in the C57BL/6 mouse. Williams LH, et al. **Exp Hematol** 1986 Oct;14(9):827–32

Wound repair in mice as influenced by age and antimacrophage serum. Cohen BJ, et al. **J Gerontol** 1987 May;42(3):295–301

MICE, INBRED CBA

BLOOD

[Effect of fenazepam on the ACTH content of the blood plasma in inbred mice under stress exposure] Seredenin SB, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):724–6 (Eng. Abstr.) **(Rus)**

[Damage to the hematopoietic system of BALB/c and CBA mice undergoing long-term repeated irradiation] Muksinova KN. **Radiobiologiia** 1987 May-Jun;27(3):369–72 (Eng. Abstr.) **(Rus)**

GENETICS

Variable susceptibility to immune complex glomerulonephritis among mice sharing the same major histocompatibility complex. McLeish KR, et al. **Immunol Invest** 1986 Oct;15(6):541–7

[Genetic action of 131I and 125I on the germ cells of male mice] Shevchenko VA, et al. **Radiobiologiia** 1986 Nov-Dec;26(6):771–7 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Anti-infectious activity of liposomal muramyl dipeptides in immunodeficient CBA/N mice. Phillips NC, et al. **Infect Immun** 1987 Jun;55(6):1426–30

Antibody-defective, genetically susceptible CBA/N mice have an altered Salmonella typhimurium-specific B cell repertoire. Duran LW, et al. **J Exp Med** 1987 Jan 1; 165(1):29–46

Allogeneic matings and immunization have different effects on nulliparous and multiparous mice. Chavez DJ, et al. **J Immunol** 1987 Jul 1;139(1):85–8

Detection of receptors for murine B cell stimulatory factor 1 (BSF1): presence of functional receptors on CBA/N splenic B cells. Nakajima K, et al. **J Immunol** 1987 Aug 1;139(3):774–9

[Immune response of CBA mice in postnatal ontogeny] Kazanskii DB, et al. **Ontogenez** 1987 Mar-Apr;18(2):169–74 (Eng. Abstr.) **(Rus)**

[Heterogeneity of the effectors of natural killer activity in CBA mice] Polyntsev DG, et al. **Tsitologiia** 1986 Sep; 28(9):981–5 (Eng. Abstr.) **(Rus)**

[In vivo study of the protective action of the splenocytes from CBA strain mice immunized with an inactivated nonconcentrated rabies vaccine] Gribencha SV, et al. **Vopr Virusol** 1986 Nov-Dec;31(6):691–5 (Eng. Abstr.) **(Rus)**

MICE, INBRED DBA

Arthritis in MRL/LPR mice and in collagen II sensitized DBA-1 mice and their use in pharmacology. Rordorf C, et al. **Int J Tissue React** 1987;9(4):341–7

BLOOD

Membrane surface properties of lymphocytes of normal (DBA/2) and autoimmune (NZB/NZW)F1 mice: effects of L-canavanine and a proposed mechanism for diet-induced autoimmune disease. Prete PE. **Can J Physiol Pharmacol** 1986 Sep;64(9):1189–96

GENETICS

Primary structure of two nonallelic beta-globin chains from DBA/2 mice. Garrick MD, et al. **Biochem Genet** 1987 Jun; 25(5–6):391–9

Appetitive learning by old mice. Warren JM. **Exp Aging Res** 1986 Summer;12(2):99–105

Genetic analysis of nicotine-induced seizures and hippocampal nicotinic receptors in the mouse. Miner LL, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):853–60

Radiation-induced forward and reverse specific locus mutations and dominant cataract mutations in treated strain BALB/c and DBA/2 male mice. Favor J, et al. **Mutat Res** 1987 Mar;177(1):161–9

Nearly identical members of the heterogeneous IAP gene family are expressed in thymus of different mouse strains.

Grossman Z, et al. **Nucleic Acids Res** 1987 May 11; 15(9):3823–34
Molecular analysis of elements inserted into mouse gamma-actin processed pseudogenes. Man YM, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3291–304

IMMUNOLOGY

Immune response against P815X2 mastocytoma growing in syngeneic DBA/2 mice. III. Morphometric assessment of the dynamic changes in post-capillary venules as regulatory elements of lymphocyte recirculation in tumor-draining lymph nodes. Tosi P, et al. **Arch Geschwulstforsch** 1987; 57(1):7–15
Circannual rhythm in natural killer activity and mitogen responsiveness of murine splenocytes. Pati AK, et al. **Cell Immunol** 1987 Aug;108(1):227–34
Allogeneic matings and immunization have different effects on nulliparous and multiparous mice. Chavez DJ, et al. **J Immunol** 1987 Jul 1;139(1):85–8

METABOLISM

Strain-dependent differences in the metabolism of 3-methylcholanthrene by maternal, placental, and fetal tissues of C57BL/6J and DBA/2J mice. George JD, et al. **Cancer Res** 1986 Nov;46(11):5671–5
Induction of new carbonic anhydrase II following treatment with acetazolamide in DBA and C57 mice. Banks DA, et al. **Epilepsia** 1986 Sep–Oct;27(5):510–5
Dose-response analysis of nicotine tolerance and receptor changes in two inbred mouse strains. Marks MJ, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):358–64
Comparative toxicity and biotransformation of lindane in C57BL/6 and DBA/2 mice. Liu PT, et al. **Life Sci** 1986 Oct 6;39(14):1237–44

PHYSIOLOGY

Strain-selective effects of nicotine on electrophysiological responses evoked in hippocampus from DBA/2Ibg and C3H/2Ibg mice. Freund RK, et al. **J Neurogenet** 1987 Apr; 4(2–3):75–86

MICE, INBRED HRS

UV-induced epidermal hyperplasia in hairless mice. Sterenborg HJ, et al. **Photodermatol** 1986 Aug;3(4):206–14

ANATOMY & HISTOLOGY

UVB-induced collagen changes in the skin of the hairless albino mouse. Plastow SR, et al. **J Invest Dermatol** 1987 Feb;88(2):145–8

MICROBIOLOGY

[Bacterial interference with skin colonization in germfree hairless mice] Barc MC, et al. **Can J Microbiol** 1986 Sep; 32(9):751–5 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Effect of essential fatty acid deficiency on cutaneous sterol synthesis. Feingold KR, et al. **J Invest Dermatol** 1986 Nov; 87(5):588–91

MICE, INBRED ICR

Spontaneous basophilic hypertrophic foci of the parotid glands in rats and mice. Chiu T, et al. **Vet Pathol** 1986 Sep;23(5):606–9

GROWTH & DEVELOPMENT

Growth of the Jcl:ICR mouse. Kimura K, et al. **Okajimas Folia Anat Jpn** 1986 Dec;63(5):265–80

METABOLISM

[Analyses of constituents of feces and the effect of a vitamin B12 fortified diet on coprophagy in the mouse] Ebino KY, et al. **Jikken Dobutsu** 1986 Oct;35(4):381–6 (Eng. Abstr.) **(Jpn)**

PARASITOLOGY

Cross resistance against challenge infection in mice infected with Trichinella spiralis or T. pseudospiralis. Ooi HK, et al. **Jpn J Vet Res** 1987 Apr;35(2):87–97

PHYSIOLOGY

The influence of prenatal and postnatal fraternity size on reproduction in mice. Kirkpatrick BW, et al. **Biol Reprod** 1987 May;36(4):907–14
[Coprophagy in the germfree mouse] Ebino KY, et al. **Jikken Dobutsu** 1987 Jan;36(1):33–7 (Eng. Abstr.) **(Jpn)**

MICE, INBRED NZB

GENETICS

Molecular aspects of murine systemic lupus erythematosus. Theofilopoulos AN, et al. **Springer Semin Immunopathol** 1986;9(2–3):121–42 (75 ref.)

IMMUNOLOGY

Origins of pathogenic anti-DNA idiotypes in the NZB X SWR model of lupus nephritis. Datta SK, et al. **Ann NY Acad Sci** 1986;475:47–58 (77 ref.)
Studies of immune responses in mice prone to autoimmune disorders. II. Decreased down-regulation by auto-anti-idiotype antibody in autoimmune-prone mice. Goidl EA, et al. **Cell Immunol** 1986 Sep;101(2):281–9
Immunohistochemical characterization of sialadenitis in NZB X NZW F1 mice. Jonsson R, et al. **Clin Immunol Immunopathol** 1987 Jan;42(1):93–101
Proliferation of Ly-1 B cells in autoimmune NZB and (NZB x NZW)F1 mice. Wofsy D, et al. **Eur J Immunol** 1987 Jun;17(6):809–14
Mechanisms of T and B cell collaboration in the in vitro production of anti-DNA antibodies in the NZB/NZW F1 murine SLE model. Ando DG, et al. **J Immunol** 1987 May 15;138(10):3185–90
The NZB X SWR model of lupus nephritis. I. Cross-reactive idiotypes of monoclonal anti-DNA antibodies in relation to antigenic specificity, charge, and allotype. Identification of interconnected idiotype families inherited from the normal SWR and the autoimmune NZB parents. Gavalchin J, et al. **J Immunol** 1987 Jan 1;138(1):128–37
Removal of glomerular deposits induced by either preformed immune complexes or by a chronic immune complex model in NZB/W mice. Haakenstad AO. **J Immunol** 1987 Jun 15;138(12):4192–9
Proteins associated with B lymphocyte hyperactivity in New Zealand black mice. Lal RB, et al. **J Immunol** 1987 Jun 1;138(11):3793–8
Class-specific regulation of anti-DNA antibody synthesis and the age-associated changes in (NZB x NZW)F1 hybrid mice. Sekigawa I, et al. **J Immunol** 1987 May 1; 138(9):2890–5
A peripheral and central T cell antigen recognized by a monoclonal thymocytotoxic autoantibody from New Zealand black mice. Surh CD, et al. **J Immunol** 1987 Mar 1;138(5):1421–8
Abnormalities of B lineage cells are demonstrable in long term lymphoid bone marrow cultures of New Zealand black mice. Yoshida S, et al. **J Immunol** 1987 Sep 1; 139(5):1454–8
The use of congenital immunologic mutants to probe autoimmune disease in New Zealand mice. Waegell WO, et al. **Prog Clin Biol Res** 1987;229:175–97

METABOLISM

IL 1-like activities present in murine amniotic fluid. A significantly larger amount of IL 1 beta-like activity is present in the amniotic fluid of autoimmune NZB mice. Jyonouchi H, et al. **J Immunol** 1987 May 15;138(10):3300–7

MICROBIOLOGY

Mouse xenotropic viruses can inhibit cell transformation. Hoffman AD, et al. **Virology** 1987 Sep;160(1):60–5

MICE, INBRED STRAINS

Characterization of a new tumor in NMRI-mice suitable for chemotherapeutic experiments. Fichtner I, et al. **Arch Geschwulstforsch** 1987;57(2):105–14
Social structure features in three inbred strains of mice, C57Bl/6J, Balb/cj, and NIH: a comparative study. Mondragón R, et al. **Behav Neural Biol** 1987 May; 47(3):384–91
The SENCAR mouse in toxicological testing. May 1–2, 1985, Cincinnati, Ohio. **Environ Health Perspect** 1986 Sep; 68:1–151
Metabolic activation of benzo(a)pyrene in SENCAR and BALB/c mouse embryo cell cultures. Baird WM, et al. **Environ Health Perspect** 1986 Sep;68:45–52
Association of carcinoma yield with early papilloma development in SENCAR mice. Bull RJ, et al. **Environ Health Perspect** 1986 Sep;68:11–7
Binding and distribution studies in the SENCAR mouse of compounds demonstrating a route-dependent tumorigenic effect. Carlson GP, et al. **Environ Health Perspect** 1986 Sep;68:53–60
Allogeneic transplantation of normal epidermal cells and squamous cell carcinomas in SENCAR mice. Conti CJ, et al. **Environ Health Perspect** 1986 Sep;68:125–9
Malignant conversion and metastasis of mouse skin tumors: a comparison of SENCAR and CD-1 mice. Hennings H, et al. **Environ Health Perspect** 1986 Sep;68:69–74
Effects of chronic topical application of 12-O-tetradecanoylphorbol-13-acetate on the skin and internal organs of SENCAR mice. Klein-Szanto AJ, et al. **Environ Health Perspect** 1986 Sep;68:75–80
Gross and microscopic lesions in the female SENCAR mouse skin and lung in tumor initiation and promotion studies. Knutsen GL, et al. **Environ Health Perspect** 1986 Sep; 68:91–104
Naturally occurring nonneoplastic histopathological lesions in the female SENCAR mouse. Kovatch RM, et al. **Environ Health Perspect** 1986 Sep;68:105–15
Myeloid hyperplasia in the SENCAR mouse: differentiation from granulocytic leukemia. Long RE, et al. **Environ Health Perspect** 1986 Sep;68:117–23
Spontaneous tumors in SENCAR mice. Melchionne S, et al. **Environ Health Perspect** 1986 Sep;68:135–40
Comparison of the tumorigenic response of SENCAR and C57BL/6 mice to benzo(a)pyrene and the inter-experimental variability over a three-year period. Nesnow S, et al. **Environ Health Perspect** 1986 Sep; 68:19–25
SENCAR mouse skin tumorigenesis model versus other strains and stocks of mice. Slaga TJ. **Environ Health Perspect** 1986 Sep;68:27–32 (35 ref.)
Methodology for statistical analysis of SENCAR mouse skin assay data. Stober JA. **Environ Health Perspect** 1986 Sep; 68:5–9
In vitro comparisons of SENCAR and BALB/c primary epidermal cells. Strickland JE, et al. **Environ Health Perspect** 1986 Sep;68:39–44
Photocarcinogenesis and persistent hyperplasia in UV-irradiated SENCAR mouse skin. Strickland PT. **Environ Health Perspect** 1986 Sep;68:131–4
Phorbol myristate acetate and catechol as skin cocarcinogens in SENCAR mice. Van Duuren BL, et al. **Environ Health Perspect** 1986 Sep;68:33–8
Pathology of aging female SENCAR mice used as controls in skin two-stage carcinogenesis studies. Ward JM, et al. **Environ Health Perspect** 1986 Sep;68:81–9
Differential carcinogenic effects of intraperitoneal initiation with 7,12-dimethylbenz(a)anthracene or urethane and topical promotion with 12-O-tetradecanoylphorbol-13-acetate in skin and internal tissues of female SENCAR and BALB/c mice. Ward JM, et al. **Environ Health Perspect** 1986 Sep;68:61–8
Arthritis in MRL/LPR mice and in collagen II sensitized DBA-1 mice and their use in pharmacology. Rordorf C, et al. **Int J Tissue React** 1987;9(4):341–7
Inbred and mutant mice and rats available in Japan with unique contributions to cancer research. Kitamura Y, et al. **Jpn J Cancer Res** 1986 Dec;77(12):1169–82 (87 ref.)
Mouse strain difference in bile duct lesions induced by swine serum injections. Imaoka K, et al. **Lab Anim** 1986 Oct; 20(4):321–4
Ovarian choriocarcinoma in the mouse. Alison RH, et al. **Vet Pathol** 1987 May;24(3):226–30
Severe nephrosis by application of pesticides in a mice breeding unit. Karasek E, et al. **Z Versuchstierkd** 1986; 28(6):251–6
Glomerular lesions in MRL mice. A light and immunofluorescence microscopic study. Hewicker M, et al. **Zentralbl Veterinarmed [B]** 1986 Dec;33(10):727–39
[The DDD and AKR strains of mice and the promotion of chemical carcinogenesis of the skin] Ohno H. **Fukuoka Igaku Zasshi** 1987 Jan;78(1):1–21 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Anatomical observations in the arytenoid region of the mouse with special reference to the function of the taste buds. Nakano T, et al. **Z Mikrosk Anat Forsch** 1987;101(2):205–11

GENETICS

Laboratory animals in genetical research. Czarnomska A. **Acta Anthropogenet** 1985;9(1–3):41–7
Disassociation of cerebellar phospholipid composition and acute ethanol effects in mice selectively bred for differential sensitivity to ethanol. Baker RC. **Alcohol Drug Res** 1987; 7(4):291–9
Calcium influence on neurotensin and beta-endorphin enhancement of ethanol sensitivity in selectively bred mouse lines. Morrow EL, et al. **Alcohol Drug Res** 1987; 7(4):225–32
Demonstration of a threshold concentration for ethanol at the time of regaining the righting response in long-sleep and short-sleep mice. Smolen A, et al. **Alcohol Drug Res** 1987;7(4):279–83
Gangliosides of long sleep and short sleep mouse cerebellum and hippocampus and cerebellar and whole brain synaptosomal plasma membranes. Ullman MD, et al. **Alcoholism (NY)** 1987 Apr;11(2):158–62
Animal model: genetic control of the survival of trisomic fetuses in mice: a preliminary report. Vekemans M, et al. **Am J Med Genet** 1987 Apr;26(4):763–70
Biochemical genetic variants in mice selectively bred for sensitivity or resistance to ethanol-induced sedation. Holmes RS, et al. **Anim Genet** 1986;17(3):235–44
Transgenic mice with immunoglobulin genes. Storb U. **Annu Rev Immunol** 1987;5:151–74 (89 ref.)
Genetic basis for Ia positivity and susceptibility to lactic dehydrogenase virus in macrophages of SJL/J mice. Inada T, et al. **Arch Virol** 1987;92(1–2):77–85
Genetic and functional analysis of the otosclerosis-like condition of the LP/J mouse. Henry KR, et al. **Audiology** 1987;26(1):44–55
Tilt discrimination in the mouse. Reuter JH. **Behav Brain Res** 1987 Apr;24(1):81–4
Single-locus control of sucrose octaacetate tasting among mice. Whitney G, et al. **Behav Genet** 1986 Sep;16(5):559–74
Variation in ten lysosomal hydrolase enzyme activities in inbred mouse strains. Johnson WG, et al. **Biochem Genet** 1986 Dec;24(11–12):891–909
Localization of the inosine triphosphatase locus (Itp) on chromosome 2 of the mouse. Taylor BA, et al. **Biochem Genet** 1987 Apr;25(3–4):267–74
Transgenic mice in the study of immunology. Bieberich C, et al. **Bioessays** 1986 Jun;4(6):245–8

Strain differences in sensitivity to light-induced photoreceptor degeneration in albino mice. LaVail MM, et al. **Curr Eye Res** 1987 Jun;6(6):825–34

Mapping of alpha-spectrin on distal mouse chromosome 1. Seldin MF, et al. **Cytogenet Cell Genet** 1987;45(1):52–4

The adrenal X-zone of mice: genetic analysis of its development with recombinant-inbred strains. Janat MF, et al. **Exp Biol** 1987;46(4):217–21

Biological characterization of cloned permanent stromal cell lines from anemic Sl/Sld mice and +/+ littermates. Anklesaria P, et al. **Exp Hematol** 1987 Jul;15(6):636–44

CFU-S content and cycling rate in several strains of mice. Nečas E, et al. **Exp Hematol** 1987 Aug;15(7):759–64

Growth, efficiency and body composition of mice selected for post-weaning weight gain on ad libitum or restricted feeding. Hetzel DJ, et al. **Genet Res** 1986 Oct;48(2):101–9

Heterosis among lines of mice selected for body weight. 3. Thermoregulation. Lynch CB, et al. **Genet Res** 1986 Oct; 48(2):95–100

Distorter genes of the mouse t-complex impair male fertility when heterozygous. Lyon MF. **Genet Res** 1987 Feb; 49(1):57–60

Possible derivation of the laboratory mouse genome from multiple wild Mus species. Blank RD, et al. **Genetics** 1986 Dec;114(4):1257–69

Molecular markers for the agouti coat color locus of the mouse. Lovett M, et al. **Genetics** 1987 Apr;115(4):747–54

The cis-trans test shows no evidence for a functional relationship between two mouse t complex lethal mutations: implications for the evolution of t haplotypes. Mains PE. **Genetics** 1986 Dec;114(4):1225–37

A mouse homeo box gene, Hox-1.5, and the morphological locus, Hd, map to within 1 cM on chromosome 6. Mock BA, et al. **Genetics** 1987 Aug;116(4):607–12

Directional selection and developmental stability: evidence from fluctuating asymmetry of dental characters in mice. Leamy L. **Heredity (Edinburgh)** 1986 Dec;57 (Pt 3):381–8

Differences between mouse strains in their consumption of phenylthiourea (PTC). Lush IE. **Heredity (Edinburgh)** 1986 Dec;57 (Pt 3):319–23

Studies in wild house mice. II. Testosterone and aggression. Van Oortmerssen GA, et al. **Horm Behav** 1987 Jun; 21(2):139–52

Assignment of the Ly-6—Ril-1—Sis—H-30—Pol-5/Xmmv-72—Ins-3—Krt-1—Int-1 —Gdc-1 region to mouse chromosome 15. Meruelo D, et al. **Immunogenetics** 1987;25(6):361–72

Variable susceptibility to immune complex glomerulonephritis among mice sharing the same major histocompatibility complex. McLeish KR, et al. **Immunol Invest** 1986 Oct;15(6):541–7

Tla-region genes and their products. Chen YT, et al. **Immunol Res** 1987;6(1–2):30–45 (54 ref.)

Comparison of the primary structure of class I molecules. Maloy WL. **Immunol Res** 1987;6(1–2):11–29 (72 ref.)

Genetic control of natural resistance to nontuberculous mycobacterial infections in mice. Orme IM, et al. **Infect Immun** 1986 Oct;54(1):56–62

Coxsackievirus B3 murine myocarditis: a pathologic spectrum of myocarditis in genetically defined inbred strains. Henkowitz A, et al. **J Am Coll Cardiol** 1987 Jun; 9(6):1311–9

Genetic factors controlling structure and expression of apolipoproteins B and E in mice. Lusis AJ, et al. **J Biol Chem** 1987 Jun 5;262(16):7594–604

Genetic susceptibility to murine hepatocarcinogenesis is associated with high growth rate of NDEA-initiated hepatocytes. Dragani TA, et al. **J Cancer Res Clin Oncol** 1987;113(3):223–9

High frequency of autoantibodies bearing cross-reactive idiotopes among hybridomas using VH7183 genes prepared from normal and autoimmune murine strains. Bellon B, et al. **J Clin Invest** 1987 Apr;79(4):1044–53

The contribution of NZW genes to lupus-like disease in (NZB x NZW)F1 mice. Kotzin BL, et al. **J Exp Med** 1987 May 1;165(5):1237–51

Genetic control of scrapie: incubation period and plaque formation in I mice. Carp RI, et al. **J Gen Virol** 1987 Feb; 68 (Pt 2):401–7

C lambda 2 and C lambda 4 immunoglobulin light chain genes in a wild-derived inbred mouse strain. Mami F, et al. **J Immunol** 1987 Jun 1;138(11):3980–5

Variations in genetic control of susceptibility to Theiler's murine encephalomyelitis virus (TMEV)-induced demyelinating disease. I. Differences between susceptible SJL/J and resistant BALB/c strains map near the T cell beta-chain constant gene on chromosome 6. Melvold RW, et al. **J Immunol** 1987 Mar 1;138(5):1429–33

Genetic differences in anticonvulsant sensitivity in mouse lines selectively bred for ethanol withdrawal severity. Crabbe JC, et al. **J Pharmacol Exp Ther** 1986 Oct; 239(1):154–9

Resistance/susceptibility to lethal Sendai virus infection genetically linked to a mucociliary transport polymorphism. Brownstein DG. **J Virol** 1987 May; 61(5):1670–1

Chromosomal localization of Emv-16 and Emv-17, two closely linked ecotropic proviruses of RF/J mice. Buchberg AM, et al. **J Virol** 1986 Dec;60(3):1175–8

Genetically determined resistance to lethal murine cytomegalovirus infection is mediated by interferon-dependent and -independent restriction of virus replication. Quinnan GV Jr, et al. **J Virol** 1987 Jun; 61(6):1875–81

Genetic marker patterns and endogenous mammary tumor virus genes in inbred mouse strains of Japan. Imai S, et al. **Jikken Dobutsu** 1986 Jul;35(3):263–73

Experimental production of transgenic mice carrying human beta-globin genes. Tojo H, et al. **Jikken Dobutsu** 1987 Jan; 36(1):11–6

Genetic monitoring of inbred strains of mice using monoclonal antibodies to major histocompatibility haplotypes and lymphocyte alloantigens. Fernandez JL, et al. **Lab Anim** 1986 Oct;20(4):293–7

Maternal contamination of some NZB sublines and genetic profiles of NZ-strains. Yonekawa H, et al. **Lab Anim Sci** 1986 Dec;36(6):659–64

AKXD recombinant inbred strains: models for studying the molecular genetic basis of murine lymphomas. Mucenski ML, et al. **Mol Cell Biol** 1986 Dec;6(12):4236–43

The use of a battery of strains of mice in a factorial design to study the induction of dominant lethal mutations. Lovell DP, et al. **Mutat Res** 1987 Jan;187(1):37–44

Genetic markers of drug abuse in mouse models. Shuster L. **Natl Inst Drug Abuse Res Monogr Ser** 1986;66:71–85

Deregulated c-fos expression interferes with normal bone development in transgenic mice. Rüther U, et al. **Nature** 1987 Jan 29–Feb 4;325(6103):412–6

Regulatory sequences of endogenous mouse mammary tumor virus locus Mtv-8 from different mouse strains. Connors RW, et al. **Nucleic Acids Res** 1987 May 26;15(10):4353

Translocation and amplification of an X-chromosome DNA repeat in inbred strains of mice. Disteche CM, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4393–401

Mouse DNA "fingerprints": analysis of chromosome localization and germ-line stability of hypervariable loci in recombinant inbred strains. Jeffreys AJ, et al. **Nucleic Acids Res** 1987 Apr 10;15(7):2823–36

The maintenance of methylation-free islands in transgenic mice. Kolsto AB, et al. **Nucleic Acids Res** 1986 Dec 22; 14(24):9667–78

pPyLT1 does not always dictate the formation of autonomously replicating elements in transgenic mice. Potter SS, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5482

Nonrandom distribution of MMTV proviral sequences in the mouse genome. Salinas J, et al. **Nucleic Acids Res** 1987 Apr 10;15(7):3009–22

Human histone 3 F2 detects RFLPs in inbred mice, cosegregates with H4F2 and does not map to possible syntenic groups on mouse distal chromosomes 1 and distal chromosomes 3. Seldin MF, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5900

Genetic and environmental factors in ethanol self-administration. George FR. **Pharmacol Biochem Behav** 1987 Jun;27(2):379–84

Reexamination of the relationship between alcohol preference and brain monoamines in inbred strains of mice including senescence-accelerated mice. Yoshimoto K, et al. **Pharmacol Biochem Behav** 1987 Jun;27(2):317–22

The lethal yellow allele-associated provirus results in the production of chimeric viral-host RNAs. Lovett M, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2853–7

Genetic significance of laboratory mice in biomedical research. Moriwaki K. **Prog Clin Biol Res** 1987;229:53–72

Is the "environmental" component of the phenotypic variability in inbred mice influenced by the cytoplasm of the egg? Baunack E, et al. **Zentralbl Veterinarmed [A]** 1986 Nov;33(9):641–6

[Study on polymorphism of biochemical gene markers in a Chinese KM mice colony] Shi SD, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Oct; 8(5):407–9 (Eng. Abstr.) **(Chi)**

[Suitability of laboratory mouse strains for virulence testing of Bordetella bronchiseptica] Karasek E, et al. **Arch Exp Veterinarmed** 1987 May;41(3):389–97 (Eng. Abstr.) **(Ger)**

[Inoculation of Mycobacterium leprae into beige mice] Kohsaka K, et al. **Nippon Rai Gakkai Zasshi** 1985 Oct–Dec; 54(4):171–5 (Eng. Abstr.) **(Jpn)**

GROWTH & DEVELOPMENT

Changes in expression of major histocompatibility complex (MHC) class-I antigen on hematopoietic progenitors during murine development. Okamoto T, et al. **Exp Hematol** 1987 Feb;15(2):190–4

Relationship of cytotoxic activity of natural killer cells to growth rates and serum zinc levels of female RIII mice fed zinc. Bunk MJ, et al. **Nutr Cancer** 1987;10(1–2):79–87

[Effects of divergent and antagonistic body weight selection on sex maturation in female mice] von Butler I, et al. **Z Versuchstierkd** 1986;28(4):187–92 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Origins of pathogenic anti-DNA idiotypes in the NZB X SWR model of lupus nephritis. Datta SK, et al. **Ann NY Acad Sci** 1986;475:47–58 (77 ref.)

Ia antigen expression and autoimmunity in MRL-lpr/lpr mice. Rosenberg YJ, et al. **Ann NY Acad Sci** 1986; 475:251–66

Successful treatment of autoimmunity in MRL/1 mice with LS-2616, a new immunomodulator. Tarkowski A, et al. **Arthritis Rheum** 1986 Nov;29(11):1405–9

Bacillary growth, interleukin 2 production defect, and specific antibody secretion governed by different genetical factors in mice infected subcutaneously with Mycobacterium lepraemurium. Hoffenbach A, et al. **Cell Immunol** 1986 Oct 15;102(2):273–86

Autoantibodies against bromelainized mouse erythrocyte: strain distribution of serum idiotype expression and relative peritoneal cell activity. Kaushik A, et al. **Cell Immunol** 1986 Oct 15;102(2):323–34

The azobenzenearsonate conjugate of poly-glutamic-lysine-tyrosine will induce tyrosine-azobenzenearsonate-specific T-cell responses and clones in nonresponder mice. Roy S, et al. **Cell Immunol** 1987 Mar;105(1):118–26

Immunohistochemical characterization of sialadenitis in NZB X NZW F1 mice. Jonsson R, et al. **Clin Immunol Immunopathol** 1987 Jan;42(1):93–101

HSV-induced blastogenesis in splenic mononuclear cells from inbred mice. Epstein RJ, et al. **Curr Eye Res** 1987 Jan;6(1):145–50

Various strains of BCG vaccine and genetic control of the immune response of mice. Lagrange PH, et al. **Dev Biol Stand** 1986;58 (Pt A):25–36

Age-related change of spleen cells participating in MHC-homozygous F1 anti-parent mixed lymphocyte reactions. Hosono M, et al. **Dev Comp Immunol** 1986 Fall; 10(4):585–95

Preventive effect of monoclonal anti-L3T4 antibody on development of diabetes in NOD mice. Koike T, et al. **Diabetes** 1987 Apr;36(4):539–41

Autoimmune diabetes in NOD mouse is L3T4 T-lymphocyte dependent. Wang Y, et al. **Diabetes** 1987 Apr;36(4):535–8

Effect of phenytoin on antibody production: use of a murine model. Margaretten NC, et al. **Epilepsia** 1987 Jan–Feb; 28(1):77–80

Cytotoxic T lymphocyte recognition of a xenogeneic major histocompatibility complex antigen expressed in transgenic mice. Bluestone JA, et al. **Eur J Immunol** 1987 Jul; 17(7):1035–41

Immunoglobulin heavy chain gene diversification in the long-term bone marrow culture of normal mice and mice with severe combined immunodeficiency. Hirayoshi K, et al. **Eur J Immunol** 1987 Jul;17(7):1051–7

Trypanosoma cruzi: protective immunization of susceptible strains of mice prone to autoimmunity. Nickell SP, et al. **Exp Parasitol** 1986 Dec;62(3):450–2

Antibody response to sheep red blood cells in four substrains of BB rats, some other strains and interstrain F2 hybrids. Klöting I, et al. **Folia Biol (Praha)** 1986;32(4):236–45

Augmentation of antibody responses of mice to inhaled protein antigens by simultaneously inhaled bacterial lipopolysaccharides. Mizoguchi K, et al. **Immunobiology** 1986 Oct;173(1):63–71

DNA polymorphism of MHC III genes in inbred and wild mouse strains. Falus A, et al. **Immunogenetics** 1987; 25(5):290–8

The antigenic properties of twenty-four new H-2 congenic recombinant mouse strains. Hasenkrug KJ, et al. **Immunogenetics** 1986;24(6):423–7

Acute experimental allergic encephalomyelitis in radiation bone marrow chimeras between high and low susceptible strains of mice. Korngold R, et al. **Immunogenetics** 1986; 24(5):309–15

A new mouse lymphocyte alloantigen (Ly-28) defined by monoclonal antibodies. Tada N, et al. **Immunogenetics** 1986; 24(4):275–7

Genetic control of the production of anti-thyroid hormone antibodies in mice immunized with human thyroglobulin. Sakata S, et al. **Immunol Invest** 1986 Aug;15(5):481–92

Protective immunity in toxoplasmosis: correlation between antibody response, brain cyst formation, T-cell activation, and survival in normal and B-cell-deficient mice bearing the H-2k haplotype. Brinkmann V, et al. **Infect Immun** 1987 Apr;55(4):990–4

Genetic association of defects in macrophage larvicidal activity and vaccine-induced resistance to Schistosoma mansoni in P strain mice. James SL, et al. **Infect Immun** 1987 Aug;55(8):1884–9

Response of inbred mice to aerosol challenge with Mycobacterium tuberculosis. Musa SA, et al. **Infect Immun** 1987 Aug;55(8):1862–6

Influence of mouse genotype on passive systemic anaphylaxis by immune complexes. Portolés A, et al. **Infect Immun** 1986 Dec;54(3):882–5

Effects of cyclophosphamide treatment and gamma irradiation of SJL mice on the IgE antibody response and the nature of IgE-binding factors. Akasaki M, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):417–8

Immunogenicity and tolerogenicity of a major house dust mite allergen, Der p I from Dermatophagoides pteronyssinus, in mice and rats. Stewart GA, et al. **Int Arch Allergy Appl Immunol** 1987;83(1):44–51

Production of monoclonal antibodies against RNA polymerase I from nonimmunized autoimmune MRL/lpr mice and their use in rDNA transcription analysis. Barsoum AL, et al. **J Biol Chem** 1987 Sep 15;262(26):12759–63

Stochastic control of anti-Sm autoantibodies in MRL/Mp-lpr/lpr mice. Eisenberg RA, et al. **J Clin Invest** 1987 Sep;80(3):691–7

Specificity of monoclonal anti-Z-DNA antibodies from unimmunized MRL/Mp-lpr/lpr mice. Bergen HR 3d, et al. **J Immunol** 1987 Aug 1;139(3):743–8

Nonresponsiveness to Mlsd in F1 hybrid mice carrying Mlsa

and Mlsc genes. Click RE, et al. **J Immunol** 1987 Jul 15; 139(2):321–5

Stimulation of mouse lymphocytes by a mitogen derived from Mycoplasma arthritidis. VI. Detection of a non–MHC gene(s) in the E alpha–bearing RIIIS mouse strain that is associated with a specific lack of T cell responses to the M. arthritidis soluble mitogen. Cole BC, et al. **J Immunol** 1987 Aug 1;139(3):927–35

Isotype progression and clonality of anti–Sm autoantibodies in MRL/Mp–lpr/lpr mice. Eisenberg RA, et al. **J Immunol** 1987 Aug 1;139(3):728–33

Defective vaccine–induced resistance to Schistosoma mansoni in P strain mice. III. Specificity of the associated defect in cell–mediated immunity. James SL, et al. **J Immunol** 1986 Dec 15;137(12):3959–67

Defective differentiation of natural killer cells in SJL mice. Role of the thymus. Kaminsky SG, et al. **J Immunol** 1987 Feb 15;138(4):1020–5

The immune response to bacterial dextrans. V. A "dominant" idiotype in IgCHb mice. Lundkvist I, et al. **J Immunol** 1987 Jun 15;138(12):4395–401

CS–A therapy in MRL–lpr/lpr mice: amelioration of immunopathology despite autoantibody production. Mountz JD, et al. **J Immunol** 1987 Jan 1;138(1):157–63

Regulation of Ia+ reticulum cell sarcoma (RCS) growth in syngeneic SJL/J mice. I. Inhibition of tumor growth by passive administration of L3T4 monoclonal antibody before or after tumor inoculation. Ohnishi K, et al. **J Immunol** 1987 Jun 15;138(12):4524–9

Monoclonal anti–alpha (1——3) dextran antibodies of Igha BALB/c and Ighb C.B20 mice display striking similarities. Pène J, et al. **J Immunol** 1986 Oct 1;137(7):2319–24

Autoreactivity accelerates the development of autoimmunity and lymphoproliferation in MRL/Mp–lpr/lpr mice. Weston KM, et al. **J Immunol** 1987 Aug 1;139(3):734–42

Strain–dependent differences in susceptibility of mice to experimental candidosis. Marquis G, et al. **J Infect Dis** 1986 Nov;154(5):906–9

Cellular derivation of lung tumors in sensitive and resistant strains of mice: results at 28 and 56 weeks after urethan treatment. Thaete LG, et al. **JNCI** 1987 Apr;78(4):743–9

Rederivation of MHV and MEV antibody positive mice by cross–fostering and use of the microisolator caging system. Lipman NS, et al. **Lab Anim Sci** 1987 Apr;37(2):195–9

Differences in oncogenicity among murine leukemia virus isolates are not correlated with the magnitude of H–2 regulated anti–viral envelope antibody responses. Zijlstra M, et al. **Leuk Res** 1986;10(9):1121–9

Production of C3W mouse strain congenic to C3H/HeN at the newly defined minor H–42 histocompatibility locus. Kato H, et al. **Microbiol Immunol** 1986;30(9):939–43

Dimeric M315 is transported into mouse and rat milk in a degraded form. Koertge TE, et al. **Mol Immunol** 1986 Aug; 23(8):839–45

Serologic variations in kappa light chains of various Mus species correlate with differences in gene structure. Mami F, et al. **Mol Immunol** 1986 Aug;23(8):831–8

Effects of cyclosporin A on autoimmune disease in MRL/1 and BXSB mice. Berden JH, et al. **Scand J Immunol** 1986 Oct;24(4):405–11

Genetic factors and efficiency of thymosin. Kerékgyártó C, et al. **Thymus** 1987;9(1):61–3

Identification of I–E alpha genes in H–2 recombinant mouse strains by F1 complementation. Lafuse WP, et al. **Transplantation** 1987 Feb;43(2):297–301

Characterization of xenogeneic mouse–to–rat bone marrow chimeras. I. Examination of hematologic and immunologic function. Wade AC, et al. **Transplantation** 1987 Jul; 44(1):88–92

[Studies on abnormal immune responses to thymus–dependent antigens in autoimmune MRL/MpJ–lpr/lpr mice] Kobayashi S. **Hokkaido Igaku Zasshi** 1987 May;62(3):451–60 (Eng. Abstr.) **(Jpn)**

[Use of germ–free mice in experimental transplantation] Bukhova VP, et al. **Biull Eksp Biol Med** 1986 Nov; 102(11):598–600 (Eng. Abstr.) **(Rus)**

[Changes in the sorption of the antigens of the causative agent of typhoid on erythrocytes in the dynamic immune response] Kravtsov EG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Mar;(3):75–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Met–enkephalin levels in midbrain dopamine regions of inbred mouse strains which differ in the number of dopamine neurons. Sanghera MK, et al. **Brain Res** 1987 May 26;412(1):200–3

Inbred strains of mice with variable sensitivity to ethanol exhibit differences in the content and processing of beta–endorphin. Gianoulakis C, et al. **Life Sci** 1986 Dec 15;39(24):2315–25

[Analysis of the specific 3H–diazepam binding in the brain of inbred mice with differing emotionality] Blednov IuA, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):61–3 (Eng. Abstr.) **(Rus)**

[Biotransformation of the 14C–hydrogenated analog of phenazepam in inbred mice] Sozinov VA, et al. **Biull Eksp Biol Med** 1987 May;103(5):581–3 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Nonecotropic murine leukemia viruses in BALB/c and NFS/N mice: characterization of the BALB/c Bxv–1 provirus and the single NFS endogenous xenotrope. Hoggan MD, et al. **J Virol** 1986 Dec;60(3):980–6

A standardized nomenclature for endogenous mouse mammary tumor viruses. Kozak C, et al. **J Virol** 1987 May; 61(5):1651–4

Microbiological monitoring in inbred mouse foundation stocks in Japan. Kagiyama N, et al. **Jikken Dobutsu** 1987 Apr;36(2):135–42

Nucleotide conservation of endogenous ecotropic murine leukemia proviruses in inbred mice: implications for viral origin and dispersal. King SR, et al. **Virology** 1987 Apr; 157(2):543–7

Response of genetically susceptible and resistant mice to intranasal inoculation with mouse hepatitis virus JHM. Barthold SW, et al. **Virus Res** 1987 May;7(3):225–39

PARASITOLOGY

[Interrelations of a low–virulence strain of Toxoplasma gondii and inbred mice during late periods of observation] Savina MA. **Parazitologiia** 1986 Sep–Oct;20(5):413–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Some behavioral differences between strongly and weakly lateralized mice. Ward R, et al. **Behav Genet** 1986 Sep; 16(5):575–84

Purification and characterization of the Danish (Skive) variant of mouse liver alcohol dehydrogenase. Rex DK, et al. **Biochem Genet** 1987 Feb;25(1–2):111–21

Further studies on migration and colonization of leukemic lymphoblasts in AKR and HSS inbred mice. Arany I, et al. **Cancer Biochem Biophys** 1987 May;9(2):149–54

Characterization of an inbred strain of the SENCAR mouse that is highly sensitive to phorbol esters. Fischer SM, et al. **Carcinogenesis** 1987 Mar;8(3):421–4

Hematopoiesis and aging. V. A decline in hematocrit occurs in all aging female B6D2F1 mice. Boggs DR, et al. **Exp Aging Res** 1986 Autumn;12(3):131–4

An immunogenetic analysis of resistance to herpes simplex virus retinitis in inbred strains of mice. Pepose JS, et al. **Invest Ophthalmol Vis Sci** 1987 Sep;28(9):1549–52

Effects of aging, hearing loss, and anatomical location on thresholds of inferior colliculus neurons in C57BL/6 and CBA mice. Willott JF. **J Neurophysiol** 1986 Aug; 56(2):391–408

Comparison of histological responses of BALB/c and B6C3F1 female mice to estradiol when fed purified or natural–ingredient diets. Greenman DL, et al. **J Toxicol Environ Health** 1986;19(4):531–40

Variation in barbiturate sleeping time in mice. 3. Strain X environment interactions. Lovell DP. **Lab Anim** 1986 Oct; 20(4):307–12

Sex and parental experience determine the onset of an instinctive behavior in mice. Ehret G, et al. **Naturwissenschaften** 1987 Jan;74(1):47

Differences in patterns of pup care in Mus musculus domesticus. VIII. Effects of previous experience and parity in XLII inbred mice. Cohen–Salmon C. **Physiol Behav** 1987;40(2):177–80

[Interstrain differences in cellular glucocorticoid reception in mice and the degree of suppression of normal killer activity during immobilization stress] Liashko VN, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):273–6 (Eng. Abstr.) **(Rus)**

[Effect of 1,2–dimethylhydrazine on the estrous cycle in different strains of mice] Trukhanova LS. **Eksp Onkol** 1986; 8(6):21–4 (Eng. Abstr.) **(Rus)**

MICE, JIMPY see under **MICE, NEUROLOGIC MUTANTS**

MICE, LABORATORY see **MICE**

MICE, MUTANT STRAINS

Sciatic nerve ATPase activity is unaffected in diabetic mutant C57Bl/Ks (db/db) mice. Bianchi R, et al. **Diabetes** 1987 Sep;36(9):1082–5

Inbred and mutant mice and rats available in Japan with unique contributions to cancer research. Kitamura Y, et al. **Jpn J Cancer Res** 1986 Dec;77(12):1169–82 (87 ref.)

ANATOMY & HISTOLOGY

Decreased arterial vasculature of the epididymal head in XXSxr pseudomale ('sex–reversed') mice. Le Barr DK, et al. **Acta Anat (Basel)** 1987;129(2):123–6

Morphologic examination of mesenchymal cells in healing wounds of normal and tight skin mice. Hembry RM, et al. **Am J Pathol** 1986 Oct;125(1):81–9

Development of plasmacytoid cells with Russell bodies in autoimmune "viable motheaten" mice.Shultz LD, et al. **Am J Pathol** 1987 Apr;127(1):38–50

Ultrastructural changes in the ovaries of Sl/Slt mutant mice, showing developmental deficiency of follicles and tubular adenomas. Ishimura K, et al. **Arch Histol Jpn** 1986 Aug; 49(3):379–89

BLOOD

Diminished acquisition of iron by reticulocytes from mice with hemoglobin deficit. Garrick LM, et al. **Exp Hematol** 1987 Jul;15(6):671–5

EMBRYOLOGY

Low set ears (Lse), a new mutation of the house mouse. Theiler K, et al. **Anat Embryol (Berl)** 1986;175(2):241–6

Normal epithelial branching morphogenesis in the absence of collagen I. Kratochwil K, et al. **Dev Biol** 1986 Oct; 117(2):596–606

Establishment of embryonic stem cell lines from preimplantation mouse embryos homozygous for lethal mutations in the t–complex. Martin GR, et al. **Dev Biol** 1987 May;121(1):20–8

GENETICS

Laboratory animals in genetical research. Czarnomska A. **Acta Anthropogenet** 1985;9(1–3):41–7

Genetic selection of mouse lines sensitive (cold) and resistant (hot) to acute ethanol hypothermia. Crabbe JC, et al. **Alcohol Drug Res** 1987;7(3):163–74

The mouse mutant "wasted": an animal model for ataxia–telangiectasia. Inoue T, et al. **Basic Life Sci** 1986; 39:323–35

Ornithine transcarbamylase deficiency in spf and spf–ash mice: genes, mRNAs and mRNA precursors. Ohtake A, et al. **Biochem Biophys Res Commun** 1987 Aug 14; 146(3):1064–70

Unique cell surface phenotypes of proliferating lymphocytes in mice homozygous for lpr and gld mutations, defined by monoclonal antibodies to MRL/Mp–lpr/lpr T cells. Ishida Y, et al. **Cell Immunol** 1987 Mar;105(1):136–46

A shared B–T cell phenotype in autoimmune mice bearing the lpr gene. Dauphinée MJ, et al. **Clin Immunol Immunopathol** 1987 Jul;44(1):71–81

Prolactin messenger ribonucleic acid levels in the normal and hypogonadal mouse pituitary gland. Stanley HF, et al. **Endocrinology** 1986 Dec;119(6):2422–6

Molecular analysis of the murine lupus–associated anti–self response: involvement of a large number of heavy and light chain variable region genes. Kofler R, et al. **Eur J Immunol** 1987 Jan;17(1):91–5

Mechanisms of compensation of hemolytic anemia in a lactate dehydrogenase mouse mutant. Kremer JP, et al. **Exp Hematol** 1987 Jul;15(6):664–70

Inheritance of a meiosis I error expressed in mouse oocytes and modulated by a maternal factor. Beermann F, et al. **Genet Res** 1987 Jun;49(3):239–43

DK/Lm: a strain of laboratory mouse with an unusual expression of the lethal yellow (Ay) phenotype. Lamoreux ML, et al. **Genet Res** 1986 Aug;48(1):35–40

A gene location for the inheritance of the cataract Fraser (CatFr) mouse congenital cataract. Muggleton–Harris AL, et al. **Genet Res** 1987 Jun;49(3):235–8

The influence of genetic background and the homologous chromosome 17 on t–haplotype transmission ratio distortion in mice. Gummere GR, et al. **Genetics** 1986 Sep; 114(1):235–45

The incongruous Ly–5 phenotype of lpr/lpr and gld/gld T cells. Tung JS, et al. **Immunogenetics** 1987;25(2):126–9

Thymic epithelium controls thymocyte expression of preleukemic phenotype and leukemogenic retroviruses. Tempelis LD. **J Immunol** 1987 May 15;138(10):3555–65

Linkage of faded gene (fe) to chromosome 6 of the mouse. Oh YS, et al. **Jikken Dobutsu** 1987 Jan;36(1):73–7

A search for radiosensitive mouse mutants by use of the micronucleus technique. van Buul PP, et al. **Mutat Res** 1987 Jul–Aug;191(3–4):163–9

Molecular studies of murine mutant BALB/c–H–2dm2 define a deletion of several class I genes including the entire H–2Ld gene. Rubocki RJ, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9606–10

Susceptibility of chimera mice to epileptic convulsion. Fueta Y, et al. **Sangyo Ika Daigaku Zasshi** 1987 Mar 1;9(1):1–7

[Analysis of hypotheses and simulation of selection for a suppressor affecting the manifestations of the fused gene in mice] Shindialov IN, et al. **Genetika** 1987 Mar; 23(3):568–70 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Behavioral development in mice: effects of maternal environment and the albino locus. Le Pape G, et al. **Behav Genet** 1986 Sep;16(5):531–41

Hemifacial deficiency induced by a shift in dominance of the mouse mutation far: a possible genetic model for hemifacial microsomia. Juriloff DM, et al. **J Craniofac Genet Dev Biol** 1987;7(1):27–44

Cell surface galactosyltransferase as a recognition molecule during development. Bayna EM, et al. **Mol Cell Biochem** 1986 Nov–Dec;72(1–2):141–51

IMMUNOLOGY

Ia antigen expression and autoimmunity in MRL–lpr/lpr mice. Rosenberg YJ, et al. **Ann NY Acad Sci** 1986; 475:251–66

Genetically determined murine models of immunodeficiency. Shultz LD, et al. **Annu Rev Immunol** 1987;5:367–403 (311 ref.)

Effect of xid on autoimmune C3H–gld/gld mice. Seldin MF,

et al. **Cell Immunol** 1987 Jun;107(1):249–55
Isolation of functional polyclonal TsF from MRL–lpr spleens using monoclonal antibody absorbance. Steele JK, et al. **Cell Immunol** 1986 Oct 15;102(2):386–94
Production of and responsiveness to interleukin 2 in autoimmune BXSB mice. Umland SP, et al. **Cell Immunol** 1987 Jun;107(1):158–71
Previously unrecognized functions of the spleen: development and maintenance of immune competence and regulation. Borek F. **CRC Crit Rev Immunol** 1986; 6(4):287–93 (56 ref.)
Thymus grafts induce B cell development in nude, X–linked immune deficient mice. Karagogeos D, et al. **Eur J Immunol** 1987 Jan;17(1):141–4
A new H–2 congenic strain B10.ABQ/Ph carrying a recombinant H–2 haplotype derived from balanced lethal stock Ttf/t12. Capková J, et al. **Folia Biol (Praha)** 1986; 32(4):225–35
Production of monoclonal antibodies against RNA polymerase I from nonimmunized autoimmune MRL/lpr mice and their use in rDNA transcription analysis. Barsoum AL, et al. **J Biol Chem** 1987 Sep 15;262(26):12759–63
Development of B lymphocytes in mice heterozygous for the X–linked immunodeficiency (xid) mutation. xid inhibits development of all splenic and lymph node B cells at a stage subsequent to their initial formation in bone marrow. Forrester LM, et al. **J Exp Med** 1987 Apr 1;165(4):949–58
Contrasuppression in autoimmunity. Abnormal contrasuppression facilitates expression of nephritogenic effector T cells and interstitial nephritis in kdkd mice. Kelly CJ, et al. **J Exp Med** 1987 Jan 1;165(1):107–23
Rejection of bone marrow allografts by mice with severe combined immune deficiency (SCID). Evidence that natural killer cells can mediate the specificity of marrow graft rejection. Murphy WJ, et al. **J Exp Med** 1987 Apr 1;165(4):1212–7
Specificity of monoclonal anti–Z–DNA antibodies from unimmunized MRL/Mp–lpr/lpr mice. Bergen HR 3d, et al. **J Immunol** 1987 Aug 1;139(3):743–8
Aberrant T cells in beige mutant mice. Biron CA, et al. **J Immunol** 1987 Apr 1;138(7):2050–6
Cultured Lyt–2– L3T4– T lymphocytes from normal thymus or lpr mice express a broad spectrum of cytolytic activity. Budd RC, et al. **J Immunol** 1986 Dec 15;137(12):3734–41
Functional alterations of macrophages in autoimmune MRL–lpr/lpr mice. Dang–Vu AP, et al. **J Immunol** 1987 Mar 15;138(6):1757–61
Stimulation of murine T cells via the Ly–6C antigen: lack of proliferative response in aberrant T cells from lpr/lpr and gld/gld mice despite high Ly–6C antigen expression. Dumont FJ. **J Immunol** 1987 Jun 15;138(12):4106–13
Isotype progression and clonality of anti–Sm autoantibodies in MRL/Mp–lpr/lpr mice. Eisenberg RA, et al. **J Immunol** 1987 Aug 1;139(3):728–33
Natural cellular resistance of beige mice against Cryptococcus neoformans. Hidore MR, et al. **J Immunol** 1986 Dec 1;137(11):3624–31
Interleukin 2 responses of lpr and normal L3T4–/Lyt–2– T cells induced by TPA plus A23187. Katagiri K, et al. **J Immunol** 1987 Jan 1;138(1):149–56
Concomitant immunoglobulin E and immunoglobulin G1 formation in Nippostrongylus brasiliensis–infected mice. Lebrun P, et al. **J Immunol** 1987 Sep 1;139(5):1459–65
Effect of immunodeficiency on diabetogenesis in genetically diabetic (db/db) mice. Leiter EH, et al. **J Immunol** 1987 May 15;138(10):3224–9
Detection of receptors for murine B cell stimulatory factor 1 (BSF1): presence of functional receptors on CBA/N splenic B cells. Nakajima K, et al. **J Immunol** 1987 Aug 1;139(3):774–9
Selective elimination of non–lpr lymphoid cells in mice undergoing lpr–mediated graft–vs–host disease. Perkins DL, et al. **J Immunol** 1987 Sep 1;139(5):1406–13
Autoreactivity accelerates the development of autoimmunity and lymphoproliferation in MRL/Mp–lpr/lpr mice. Weston KM, et al. **J Immunol** 1987 Aug 1;139(3):734–42
Characterization of B lymphocyte lineage progenitor cells from mice with severe combined immune deficiency disease (SCID) made possible by long term culture. Witte PL, et al. **J Immunol** 1987 Apr 15;138(8):2698–705
Characterization of immunologic and neuropathologic abnormalities in wasted mice. Woloschak GE, et al. **J Immunol** 1987 Apr 15;138(8):2493–9
Abnormalities of B lineage cells are demonstrable in long term lymphoid bone marrow cultures of New Zealand black mice. Yoshida S, et al. **J Immunol** 1987 Sep 1; 139(5):1454–8
Experimental histoplasmosis in the beige mouse. Patiño MM, et al. **J Leukocyte Biol** 1987 Mar;41(3):228–35
Induction of latent immunological memory in genetically nonresponsive mice. Grimes S, et al. **Proc Soc Exp Biol Med** 1987 Oct;186(1):52–9
Effects of cyclosporin A on autoimmune disease in MRL/1 and BXSB mice. Berden JH, et al. **Scand J Immunol** 1986 Oct;24(4):405–11
Graft–versus–host reactions in the beige mouse. An investigation of the role of host and donor natural killer cells in the pathogenesis of graft–versus–host disease. Ghayur T, et al. **Transplantation** 1987 Aug;44(2):261–7

METABOLISM

Enzyme activities involved in connective tissue metabolism in the skin of tight–skin (TSK) mice. Shikata H, et al. **Arch Dermatol Res** 1986;278(6):510–2
Differences in the metabolism of the aromatic amino acid hydroxylase cofactor, tetrahydrobiopterin, in mutant mice with neurological and immunological defects. Duch DS, et al. **Biochem Genet** 1986 Oct;24(9–10):657–68
Isolated deficiency of tyrosine hydroxylase immunoreactivity in tuberoinfundibular neurons in pituitary prolactin–deficient Snell dwarf mice. Phelps CJ. **Brain Res** 1987 Jul 28;416(2):354–8
Testicular LH receptors and circulating hormone levels in three mouse models for inherited diseases (Tfm/y, lit/lit and hyt/hyt). Amador AG, et al. **Endocrinol Exp (Bratisl)** 1986 Dec;20(4):349–58
Structural crosslinking of lung connective tissue collagen in the blotchy mouse. Mechanic GL, et al. **Exp Lung Res** 1987;12(2):109–17
Lack of adenosine deaminase deficiency in the mutant mouse wasted. Geiger JD, et al. **FEBS Lett** 1986 Nov 24; 208(2):431–4
Accumulation of galactosylsphingosine (psychosine) in the twitcher mouse: determination by HPLC. Shinoda H, et al. **J Neurochem** 1987 Jul;49(1):92–9
Zinc and copper in milk and tissues of nursing lethal milk mutant mice. Piletz JE, et al. **J Nutr** 1987 Jan;117(1):83–90
Metallothionein synthesis and mRNA levels in cultured hepatocytes from lethal milk mutant mice. Piletz JE, et al. **J Nutr** 1987 Jan;117(1):183–8
Insulin receptor tyrosine kinase activity is unaltered in ob/ob and db/db mouse skeletal muscle membranes. Vicario P, et al. **Life Sci** 1987 Sep 7;41(10):1233–41
The offspring of the female diabetic "nonobese diabetic" (NOD) mouse are large for gestational age and have elevated pancreatic insulin content: a new animal model of human diabetic pregnancy. Formby B, et al. **Proc Soc Exp Biol Med** 1987 Mar;184(3):291–4

PHYSIOLOGY

Genetically mast–cell–deficient W/Wv and Sl/Sld mice. Their value for the analysis of the roles of mast cells in biologic responses in vivo. Galli SJ, et al. **Am J Pathol** 1987 Apr;127(1):191–8
Sl/Sld mouse bone marrow stroma in vitro contains an active radiation–sensitive inhibitor of normal hemopoiesis. Zuckerman KS, et al. **Blood** 1986 Dec;68(6):1201–6
Genetically mast cell–deficient W/Wv mice as a tool for studies of differentiation and function of mast cells. Nakano T, et al. **Fed Proc** 1987 Apr;46(5):1920–3
Beige mouse mast cells generated in vitro: ultrastructural analysis of maturation induced by sodium butyrate and of IgE–mediated, antigen–dependent degranulation. Dvorak AM, et al. **Int Arch Allergy Appl Immunol** 1987; 82(3–4):261–8
Analysis of mast cell function in biological responses not involving IgE. Galli SJ, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):269–71
Defective lymphopoiesis in the bone marrow of motheaten (me/me) and viable motheaten (mev/mev) mutant mice. II. Description of a microenvironmental defect for the generation of terminal deoxynucleotidyltransferase–positive bone marrow cells in vitro. Medlock ES, et al. **J Immunol** 1987 Jun 1; 138(11):3590–7
The interaction of the xid and me genes. Scribner CL, et al. **J Immunol** 1987 Jun 1;138(11):3611–7
C57BL/6J–bgJ (beige) mice: differential sensitivity in the tail flick test to centrally administered mu– and delta–opioid receptor agonists. Mathiasen JR, et al. **Life Sci** 1987 May 18;40(20):1989–94
Enhanced susceptibility of mouse embryos heterozygous for oligosyndactyly (Os/+) to mitomycin C–induced skeletal abnormalities. Moreno PA, et al. **Teratology** 1987 Apr; 35(2):261–5

MICE, NEUROLOGIC MUTANTS

[Fundamental study on ataxic mice (wriggle mouse Sagami)] Matsui K, et al. **Jikken Dobutsu** 1987 Apr;36(2):185–9 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Clinico–pathological study on macular mutant mouse. Yamano T, et al. **Acta Neuropathol (Berl)** 1987;72(3):256–60
Appearance of hematogenous cells in the white matter of myelin–deficient Jimpy mice. Imamoto K. **Arch Histol Jpn** 1986 Aug;49(3):297–307
Cerebellar afferents in normal and Weaver mutant mice. Grover BG, et al. **Brain Behav Evol** 1986;29(3–4):162–75
Motoneuron loss in the abducens nucleus of wobbler mice. LaVail JH, et al. **Brain Res** 1987 Feb 24;404(1–2):127–32
Abnormalities of dendritic actin organization in the brindled mouse. Peterson C, et al. **Brain Res** 1986 Sep 24; 382(2):205–12
Nerve cell atrophy and loss in the inferior olivary complex of "Purkinje cell degeneration" mutant mice [published erratum appears in J Comp Neurol 1987 Aug 8;262(2):314] Ghetti B, et al. **J Comp Neurol** 1987 Jun 15;260(3):409–22
Retinopretectal and accessory optic projections of normal mice and the OKN–defective mutant mice beige, beige–J, and pearl. Pak MW, et al. **J Comp Neurol** 1987 Apr 15; 258(3):435–46
Thalamic connectivity of the primary motor cortex of normal and reeler mutant mice. Terashima T, et al. **J Comp Neurol** 1987 Mar 15;257(3):405–21
Oligodendroglial cell death in jimpy mice: an explanation for the myelin deficit. Knapp PE, et al. **J Neurosci** 1986 Oct;6(10):2813–22
Altered histofluorescent pattern of noradrenergic innervation of the cerebellum of the mutant mouse Purkinje cell degeneration. Kostrzewa RM, et al. **Neuroscience** 1986 Aug;18(4):809–15
Decreased number of cells in the inferior olivary nucleus of the adult mouse (+/sg) heterozygous for the staggerer gene. Shojaeian H, et al. **Neuroscience** 1987 Jul;22(1):91–7
Monoaminergic nerve terminals in the cerebellar cortex of Purkinje cell degeneration mutant mice: fine structural integrity and modification of cellular environs following loss of Purkinje and granule cells. Triarhou LC, et al. **Neuroscience** 1986 Aug;18(4):795–807

EMBRYOLOGY

Abnormal neural fold development in mouse trisomy 12 and trisomy 14. II. LM and TEM. Morriss–Kay G, et al. **Brain Res Bull** 1986 Jun;16(6):825–32
Ultrastructural analysis of chromosome translocation–induced neural tube defects. O'Shea KS. **Brain Res Bull** 1986 Jun;16(6):833–44

GENETICS

Mouse chimeras composed of trisomy 16 and normal (2N) cells: preliminary studies. Gearhart JD, et al. **Brain Res Bull** 1986 Jun;16(6):815–24
Autosomal aneuploidy in mice: generation and developmental consequences. Gearhart JD, et al. **Brain Res Bull** 1986 Jun; 16(6):789–801 (116 ref.)
Genetic basis for a mouse model of Down syndrome. Reeves RH, et al. **Brain Res Bull** 1986 Jun;16(6):803–14 (118 ref.)
Myelin proteolipid protein (PLP and DM–20) transcripts are deleted in jimpy mutant mice. Morello D, et al. **EMBO J** 1986 Dec 20;5(13):3489–93
Structure and expression of myelin basic protein gene sequences in the mld mutant mouse: reiteration and rearrangement of the MBP gene. Akowitz AA, et al. **Genetics** 1987 Jul;116(3):447–64
Expression of the jimpy gene in the spinal cords of heterozygous female mice. I. An early myelin deficit followed by compensation. Bartlett WP, et al. **J Neurosci** 1986 Oct;6(10):2802–12
Characterization of myelin proteolipid mRNAs in normal and jimpy mice. Gardinier MV, et al. **Mol Cell Biol** 1986 Nov;6(11):3755–62
Aberrant splicing of proteolipid protein mRNA in the dysmyelinating jimpy mutant mouse. Hudson LD, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1454–8
Recombination within the myelin basic protein gene created the dysmyelinating shiverer mouse mutation. Molineaux SM, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7542–6
Jimpy mutant mouse: a 74–base deletion in the mRNA for myelin proteolipid protein and evidence for a primary defect in RNA splicing. Nave KA, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9264–8

GROWTH & DEVELOPMENT

Abnormal glial and glycoconjugate dispositions in the somatosensory cortical barrel field of the early postnatal reeler mutant mouse. O'Brien TF, et al. **Brain Res** 1987 Apr;429(2):309–17
Histogenesis of the retina in murine trisomy 19. Lorke DE, et al. **Brain Res Bull** 1986 Jun;16(6):845–51
The postnatal development of the dopamine–containing innervation of dorsal and ventral striatum: effects of the weaver gene. Roffler–Tarlov S, et al. **J Neurosci** 1987 Aug; 7(8):2364–72
Effects of hormone therapy on the central cholinergic neurotransmission of the Snell dwarf mouse. Fuhrmann G, et al. **J Neurosci Res** 1986;16(3):527–39

METABOLISM

Metabolism of galactosylceramide in the twitcher mouse, an animal model of human globoid cell leukodystrophy. Kobayashi T, et al. **Biochim Biophys Acta** 1986 Nov 14; 879(2):215–20
Selective loss of monoaminergic neurons in weaver mutant mice—an immunocytochemical study. Gupta M, et al. **Brain Res** 1987 Feb 3;402(2):379–82
5'-Nucleotidase of cerebellar molecular layer: reduction in Purkinje cell–deficient mutant mice. Hess DT, et al. **Brain Res** 1986 Sep;394(1):93–100
Trembler mouse Schwann cells in culture: anomalies in the synthesis of lipids and proteins. White FV, et al. **Brain Res** 1986 Aug 27;381(1):85–92
Serotonin metabolism in the CNS in cerebellar ataxic mice. Ohsugi K, et al. **Experientia** 1986 Dec 1;42(11–12):1245–7
Biochemical correlates of myelination in brain and spinal cord of mice heterozygous for the jimpy gene. Benjamins JA, et al. **J Neurochem** 1986 Dec;47(6):1857–63
Stimulatory effects of growth hormone and thyroxine on the concentration of gangliosides in the Snell dwarf cerebrum. Noguchi T, et al. **J Neurochem** 1986 Dec;47(6):1785–92
Arrest of proteolipid transport through the Golgi apparatus in Jimpy brain. Roussel G, et al. **J Neurocytol** 1987 Apr;

16(2):195–204
Effect of Purkinje cell loss on cerebellar gangliosides in nervous mutant mice. Seyfried TN, et al. **J Neurosci Res** 1987;17(3):251–5
Reduced S-adenosylmethionine:protein–lysine N-methyltransferase activity (protein methylase III) in shiverer mutant mouse brain. Chanderkar LP, et al. **Neurochem Res** 1987 May;12(5):445–9

PHYSIOLOGY

Delayed spontaneous alternation in weaver mutant mice. Lalonde R. **Brain Res** 1986 Nov 19;398(1):178–80
Navigational deficits in weaver mutant mice. Lalonde R, et al. **Brain Res** 1986 Nov 19;398(1):175–7
Cell lineage dependent and independent control of Purkinje cell number in the mammalian CNS: further quantitative studies of lurcher chimeric mice. Herrup K, et al. **Dev Biol** 1986 Oct;117(2):417–27
Transplantations of newborn CNS fragments into the brain of shiverer mutant mice: extensive myelination by transplanted oligodendrocytes. II. Electron microscopic study. Gansmuller A, et al. **Dev Neurosci** 1986;8(4):197–207
AE mice: an inbred mouse strain with interesting features for epilepsy research. Löscher W, et al. **Epilepsia** 1986 Nov–Dec;27(6):657–64
Locomotor deficits in the mutant mouse, Lurcher. Fortier PA, et al. **Exp Brain Res** 1987;66(2):271–86
Motor abnormalities in weaver mutant mice. Lalonde R. **Exp Brain Res** 1987;65(2):479–81
Myelin instability and oligodendrocyte metabolism in myelin-deficient mutant mice. Matthieu JM, et al. **J Cell Biol** 1986 Dec;103(6 Pt 2):2673–82
Plasticity of dendrodendritic microcircuits following mitral cell loss in the olfactory bulb of the murine mutant Purkinje cell degeneration. Greer CA, et al. **J Comp Neurol** 1987 Feb 8;256(2):284–98
Noradrenergic innervation of the cerebellar cortex in normal and in Purkinje cell degeneration mutant mice: evidence for long term survival following loss of the two major cerebellar cortical neuronal populations. Felten DL, et al. **Neuroscience** 1986 Aug;18(4):783–93

MICE, NUDE

A method for prolonged, repeated infusion of nude mice. Kozielski T, et al. **Lab Anim Sci** 1986 Dec;36(6):696–8
Utilization of nude mice in research on human cancer—screening system of anticancer agents using human tumor xenografts in nude mice. Ueyama Y. **Prog Clin Biol Res** 1987;229:287–310

BLOOD

Serum steroid levels in intact and endocrine ablated BALB/c nude mice and their intact littermates. Brünner N, et al. **J Steroid Biochem** 1986 Sep;25(3):429–32
[Effect of chemotherapy on human tumor heterografts and lymphocytes in athymic mice] Bukharova IK, et al. **Biull Eksp Biol Med** 1987 May;103(5):610–3 (Eng. Abstr.) **(Rus)**

GENETICS

Functional alpha and beta T cell chain receptor messages can be detected in old but not in young athymic mice. Kishihara K, et al. **Eur J Immunol** 1987 Apr;17(4):477–82
Absence of insulitis and overt diabetes in athymic nude mice with NOD genetic background. Makino S, et al. **Jikken Dobutsu** 1986 Oct;35(4):495–8
Studies on beige-nude mice with low natural killer cell activity. 1. Introduction of the bg gene into nude mice and the characteristics of beige-nude mice. Hioki K, et al. **Lab Anim** 1987 Jan;21(1):72–7

IMMUNOLOGY

Relation of hydrolytic enzymes in spleen to immunological dysregulation in mice. Wada T, et al. **Biochem Int** 1986 Oct;13(4):695–700
Studies of immune responses in mice prone to autoimmune disorders. II. Decreased down-regulation by auto-anti-idiotype antibody in autoimmune-prone mice. Goidl EA, et al. **Cell Immunol** 1986 Sep;101(2):281–9
Lack of reconstitution of nude mice alloreactivity by purified interleukin 2 and induction of non-H-2-specific effector cells by crude supernatants. Harel-Bellan A, et al. **Cell Immunol** 1987 Apr 1;105(2):251–61
Two natural killer cell populations which belong to T cell lineage in nude mice. Habu S, et al. **Eur J Immunol** 1986 Nov;16(11):1453–6
Thymus grafts induce B cell development in nude, X-linked immune deficient mice. Karagogeos D, et al. **Eur J Immunol** 1987 Jan;17(1):141–4
Colonization and pathogenesis of Cryptococcus neoformans in gnotobiotic mice. Salkowski CA, et al. **Infect Immun** 1987 Sep;55(9):2000–5
Defective differentiation of natural killer cells in SJL mice. Role of the thymus. Kaminsky SG, et al. **J Immunol** 1987 Feb 15;138(4):1020–5
The composition of the T cell receptor repertoire in nude mice. Maleckar JR, et al. **J Immunol** 1987 Jun 1; 138(11):3873–6
Immunological surveillance against DNA-virus-transformed cells: correlations between natural killer cell cytolytic competence and tumor susceptibility of athymic rodents. Cook JL, et al. **J Virol** 1987 Jul;61(7):2155–61
Characterization of two mouse myeloma X sheep lymphocyte cell lines secreting sheep antibody. Beh KJ, et al. **Mol Immunol** 1986 Jul;23(7):717–24
T-lymphocyte subsets in nude mice with Giardia muris infection. Carlson JR, et al. **Thymus** 1987;9(3):189–96

PHYSIOLOGY

Thrombocytopoietic response to immunothrombocytopenia in nude mice. Ebbe S, et al. **Blood** 1987 Jan;69(1):192–8
Thymosin-alpha 1 increases the capability to produce interleukin-3 but not interleukin-2 in nu/nu mice. Ohta Y, et al. **J Biol Response Mod** 1987 Apr;6(2):181–93

RADIATION EFFECTS

Tumorigenesis in athymic nude mouse skin by chemical carcinogens and ultraviolet light. Anderson LM, et al. **JNCI** 1987 Jan;78(1):125–34

MICE, OBESE

Changes in histological features and nerve growth factor content of the submandibular gland in the genetically obese (ob/ob) mouse. Yamashita J, et al. **Int J Obes** 1986; 10(6):461–5

BLOOD

Altered shape and size of red blood cells in obese hyperglycaemic mice. Engström KG, et al. **Acta Physiol Scand** 1987 Aug;130(4):535–43
Decreased deformability of erythrocytes in hyperglycaemic non-inbred ob/ob mice. Engström KG, et al. **Diabetologia** 1986 Sep;29(9):661–6

GENETICS

Quantitative analysis of pancreatic proinsulin mRNA in genetically diabetic (db/db) mice. Örland MJ, et al. **Diabetes** 1987 Mar;36(3):341–7
Brown adipose tissue: contributions of nature and nurture to the obesity of an obese mutant mouse (ob/ob). Ashwell M, et al. **Int J Obes** 1986;10(5):355–73

METABOLISM

Nuclear triiodothyronine receptor binding characteristics and occupancy in obese (ob/ob) mice. Hillgartner FB, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):E414–9
Brown adipose tissue in lean and obese mice. Insulin-receptor binding and tyrosine kinase activity. Tanti JF, et al. **Diabetes** 1986 Nov;35(11):1243–8
Altered beta-endorphin, Met- and Leu-enkephalins, and enkephalin-containing peptides in pancreas and pituitary of genetically obese diabetic (db/db) mice during development of diabetic syndrome. Timmers K, et al. **Diabetes** 1986 Oct;35(10):1143–51
Abnormal thyroid hormone deiodination in tissues of ob/ob and db/db obese mice. Kaplan MM, et al. **Endocrinology** 1987 Mar;120(3):886–93
Insulin receptor tyrosine kinase activity is unaltered in ob/ob and db/db mouse skeletal muscle membranes. Vicario P, et al. **Life Sci** 1987 Sep 7;41(10):1233–41

MICE, QUAKING

GENETICS

Myelin deficient mice: expression of myelin basic protein and generation of mice with varying levels of myelin. Popko B, et al. **Cell** 1987 Feb 27;48(4):713–21
Expression of a myelin basic protein gene in transgenic shiverer mice: correction of the dysmyelinating phenotype. Readhead C, et al. **Cell** 1987 Feb 27;48(4):703–12

METABOLISM

Myelin-associated glycoprotein in the central and peripheral nervous system of quaking mice. Inuzuka T, et al. **J Neurochem** 1987 Aug;49(2):597–602

MICE, RED-BACKED see **CRICETIDAE**

MICE, WHITE-FOOTED see **PEROMYSCUS**

MICELLES see under **COLLOIDS**

MICONAZOLE

ADMINISTRATION & DOSAGE

Interaction between warfarin and miconazole oral gel [letter] Colquhoun MC, et al. **Lancet** 1987 Mar 21;1(8534):695–6
Comparative activity of miconazole cream and ointment in the treatment of experimental dermatophytosis in guinea pigs. Shankland GS, et al. **Mykosen** 1986 Dec;29(12):579–83
[Potentiometric determination of the stability constants of miconazole complexes with Fe(II), Fe(III), Co(II), Ni(II), Cu(II) and Zn(II) ions] Mpasi N, et al. **J Pharm Belg** 1987 Jan–Feb;42(1):29–37 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Interference of granulocyte function by the vehicle of miconazole. Lee C, et al. **Antimicrob Agents Chemother** 1978 Mar;13(3):548–51
Convulsions after miconazole overdose [letter] Coulthard K, et al. **Med J Aust** 1987 Jan 5;146(1):57–8
[Potentiation of the effects of acenocoumarol by a buccal gel of miconazole (letter)] Marotel C, et al. **Presse Med** 1986 Oct 4;15(33):1684–5 **(Fre)**

ANALOGS & DERIVATIVES

Availability of isoconazole in human skin after dermal application as free base and as nitrate in vitro. Täuber U. **Arzneimittelforschung** 1987 Apr;37(4):461–3
The retention of isoconazole in the skin after once or twice daily application of 1% isoconazole nitrate cream (Travogen) over a 14-day period. Dykes PJ, et al. **Clin Exp Dermatol** 1986 Jul;11(4):365–70
[Action of isoconazole on Candida albicans. Study by scanning and transmission electron microscopy] Moulin-Traffort J, et al. **Pathol Biol (Paris)** 1986 Oct; 34(8):899–907 (Eng. Abstr.) **(Fre)**
[Nitrate isoconazole: a new topical use antimycotic] Solinas P, et al. **G Ital Dermatol Venereol** 1986 Jul–Aug; 121(4):LV–LVIII (Eng. Abstr.) **(Ita)**
[Clinical evaluation in pediatric dermatology of a new preparation for topical use (1% isoconazole nitrate-0.75% fluocortin butyl)] Occella C, et al. **Minerva Pediatr** 1986 Nov 15;38(21):1025–8 (Eng. Abstr.) **(Ita)**

ANTAGONISTS & INHIBITORS

Protection by unsaturated lecithin against the imidazole antimycotics, clotrimazole and miconazole. Yamaguchi H. **Antimicrob Agents Chemother** 1978 Mar;13(3):423–6

METABOLISM

Systemic absorption of miconazole from the vagina. Daneshmend TK. **J Antimicrob Chemother** 1986 Oct; 18(4):507–11
Interaction of miconazole, ketoconazole and itraconazole with rat-liver microsomes. Lavrijsen K, et al. **Xenobiotica** 1987 Jan;17(1):45–57

PHARMACODYNAMICS

Inhibition of retinoic acid metabolism by imidazole antimycotics in F9 embryonal carcinoma cells. Williams JB, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1386–8
Effect of medium composition on results of macrobroth dilution antifungal susceptibility testing of yeasts. Doern GV, et al. **J Clin Microbiol** 1986 Oct;24(4):507–11
Microtiter broth dilution method for yeast susceptibility testing with validation by clinical outcome. Radetsky M, et al. **J Clin Microbiol** 1986 Oct;24(4):600–6
Differential effects of the imidazole derivatives etomidate, ketoconazole and miconazole and of metyrapone on the secretion of cortisol and its precursors by human adrenocortical cells. Lamberts SW, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):259–64
Rapid fungicidal action of tioconazole and miconazole [letter] Beggs WH. **Mycopathologia** 1987 Mar;97(3):187–8
Role of pH in the lethal direct cell damaging action of miconazole. Beggs WH, et al. **Res Commun Chem Pathol Pharmacol** 1986 Sep; 53(3):407–10
[Miconazole and saprophytic micromycetes] Jesenská Z, et al. **Mykosen** 1986 Sep;29(9):415–25 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Miconazole and ketoconazole as a satisfactory first-line treatment for keratomycosis [letter] Ishibashi Y. **Am J Ophthalmol** 1986 Oct 15;102(4):547–8
Efficacy of miconazole in experimental keratomycosis. Gupta SK. **Aust N Z J Ophthalmol** 1986 Nov;14(4):373–6
An institutional survey of tinea capitis in Harare, Zimbabwe and a trial of miconazole cream versus Whitfield's ointment in its treatment. Wright S, et al. **Clin Exp Dermatol** 1986 Jul;11(4):371–7
Treatment of vaginal candidiasis in pregnant women. Weisberg M. **Clin Ther** 1986;8(5):563–7
Efficacy of miconazole in superficial mycoses. Lal S, et al. **Indian J Dermatol** 1985 Apr;30(2):31–4
Efficacy and tolerance of fenticonazole versus miconazole cream. Clerico R, et al. **Int J Clin Pharmacol Res** 1987; 7(1):77–81
Butoconazole vaginal cream in the treatment of vulvovaginal candidiasis. Comparison with miconazole nitrate and placebo. Brown D Jr, et al. **J Reprod Med** 1986 Nov; 31(11):1045–8
Failure to eradicate Malassezia furfur broviac catheter infection with antifungal therapy. Powell DA, et al. **Pediatr Infect Dis J** 1987 Jun;6(6):579–80
[Yoghurt orally or vaginally? The effectiveness of yoghurt in the treatment of vaginal candidiasis] Bisschop MP, et al. **Ned Tijdschr Geneeskd** 1987 Jan 24;131(4):159–61 (Eng. Abstr.) **(Dut)**
[Laboratory and clinical study of intravenous miconazole] Sawae Y, et al. **Jpn J Antibiot** 1987 Feb;40(2):271–83 (Eng. Abstr.) **(Jpn)**
[Successful treatment of a case of histoplasmosis africana with miconazole (daktarin)] San Martín Marichal A, et al. **Rev Cubana Med Trop** 1986 Sep–Dec;38(3):323–9 (Eng. Abstr.) **(Spa)**

TOXICITY

Induction of hepatic oxidative and conjugative drug metabolism in the hamster by N-substituted imidazoles. Ritter JK, et al. **Toxicol Lett** 1987 Mar;36(1):51–9

MICROANGIOPATHY, DIABETIC see DIABETIC ANGIOPATHIES

MICROBIAL ANTAGONISM see ANTIBIOSIS

MICROBIAL SENSITIVITY TESTS

see related
DRUG RESISTANCE, MICROBIAL

Institution-specific versus published in vitro antimicrobial susceptibility data in making formulary decisions. Franson TR, et al. **Am J Hosp Pharm** 1987 Jan;44(1):95–101

Clinical limitations of in vitro testing of microorganism susceptibility. Nightingale J. **Am J Hosp Pharm** 1987 Jan; 44(1):131–7

In vitro study with ciprofloxacin: interpretive criteria of agar diffusion test according to standards of the NCCLS and DIN. Grimm H. **Am J Med** 1987 Apr 27;82(4A):376–80

In vitro assays of the efficacy of antimicrobial agents in controlling Chlamydia trachomatis propagation. Lee CK, et al. **Antimicrob Agents Chemother** 1978 Mar;13(3):441–5

An evaluation of the Toxichromotest, a bacterial toxicity bioassay, and an assessment of its potential use in human poisoning. Lympany P, et al. **Arch Toxicol [Suppl]** 1987; 11:329–33

Antibiotic choice and susceptibility testing. McDonald MI. **Aust Fam Physician** 1986 Oct;15(10):1361–3

Comparison of methods for the interpretation of disk diffusion susceptibility tests for augmentin. Donnelly JP. **Diagn Microbiol Infect Dis** 1986 Sep;5(3):255–63

Susceptibility testing of methicillin-resistant Staphylococcus aureus with three commercial microdilution systems. Robinson A, et al. **Diagn Microbiol Infect Dis** 1986 Sep; 5(3):245–53

The post-antimicrobial suppressive effect of quinolone agents. Neu HC, et al. **Drugs Exp Clin Res** 1987;13(2):63–7

Correlation between antibiotic sensitivity testing by conventional and conductivity measurements. Hogg GM, et al. **J Appl Bacteriol** 1987 Mar;62(3):189–95

Evaluation of anaerobic microdilution MIC results with the Prompt Inoculation System. Mangels JI. **J Clin Microbiol** 1987 Jun;25(6):1140–2

Comparison of BIOGRAM and commercial microdilution antimicrobial susceptibility test systems. Sautter RL, et al. **J Clin Microbiol** 1987 Feb;25(2):301–4

Differences in antimicrobial susceptibilities of clinical isolates in Saudi Arabia and the United States. Qadri SM, et al. **J Natl Med Assoc** 1987 Apr;79(4):433–7

A critique of semiautomated susceptibility systems. Cherubin CE, et al. **Rev Infect Dis** 1987 May–Jun;9(3):655–9

Rationale for identification and susceptibility testing of anaerobic bacteria. Swenson RM. **Rev Infect Dis** 1986 Sep–Oct;8(5):809–13 (28 ref.)

[A statistical model for interpreting the antibiogram] Scavizzi M, et al. **C R Acad Sci [III]** 1987;304(12):325–9 (Eng. Abstr.) **(Fre)**

[Evaluation of the ATB system and the 32 GN tests for the identification and determination of the antibiotic sensitivity of Acinetobacter calcoaceticus var. anitratum. Comparison with the reference dilution method in a gel medium] Joly-Guillou ML, et al. **Pathol Biol (Paris)** 1987 May; 35(5):563–7 (Eng. Abstr.) **(Fre)**

[Imipenem: correlation between agar diffusion tests and agar dilution tests] Toma E, et al. **Union Med Can** 1987 Jan; 116(1):59–61, 63 (Eng. Abstr.) **(Fre)**

[Demonstration of methicillin-resistant Staphylococci using the broth microdilution method] Rossi A, et al. **Boll Ist Sieroter Milan** 1987;66(1):31–7 (Eng. Abstr.) **(Ita)**

[Analysis of incidence patterns and bacterial sensitivity in a surgical unit using microcomputers] Nicolelis MA, et al. **AMB** 1986 Jul–Aug;32(7–8):134–40 (Eng. Abstr.) **(Por)**

INSTRUMENTATION

Assessment of formulas for calculating critical concentration by the agar diffusion method. Drugeon HB, et al. **Antimicrob Agents Chemother** 1987 Jun;31(6):870–5

[Microcomputer-based automation of the microbiological analysis of antibiotic activity] Kuropatkin LV, et al. **Antibiot Med Biotekhnol** 1987 Jun;32(6):444–6 (Eng. Abstr.) **(Rus)**

[Information on the automated COBAS-Bact system] Antal M, et al. **Cesk Epidemiol Mikrobiol Imunol** 1986 Sep; 35(5):316–9 **(Slo)**

METHODS

Rapid, direct antibiotic susceptibility testing of blood culture isolates using the Abbott Avantage system. Nolte FS, et al. **Am J Clin Pathol** 1986 Nov;86(5):665–9

Evaluation of four anti-microbic susceptibility testing systems for gram-negative bacilli. Peterson EM, et al. **Am J Clin Pathol** 1986 Nov;86(5):619–23

Modified agar dilution method for rapid antibiotic susceptibility testing of anaerobic bacteria. Hanson CW, et al. **Antimicrob Agents Chemother** 1978 Mar;13(3):383–8

Totally synthetic medium for susceptibility testing. Lawrence RM, et al. **Antimicrob Agents Chemother** 1978 Mar; 13(3):394–8

Comparative effects of sulfones and rifampin on growth of Mycobacterium lepraemurium in macrophage diffusion chamber cultures. Rightsel WA, et al. **Antimicrob Agents Chemother** 1978 Mar;13(3):509–13

Influence of technical factor variations during inoculum preparation on the agar dilution plate-count method for quantitation of Staphylococcus aureus oxacillin persisters. Woolfrey BF, et al. **Antimicrob Agents Chemother** 1986 Nov;30(5):792–3

Factors affecting the bactericidal action of disinfectants. Implications for selection of resistant strains. Cremieux A. **Drugs Exp Clin Res** 1986;12(11):899–903

A modified screen for the detection of cell wall-acting antifungal compounds. Kirsch DR, et al. **J Antibiot (Tokyo)** 1986 Nov;39(11):1620–2

A rapid and automated colorimetric assay for evaluating the sensitivity of herpes simplex strains to antiviral drugs. Langlois M, et al. **J Biol Stand** 1986 Jul;14(3):201–11

Sensititre autoreader for same-day breakpoint broth microdilution susceptibility testing of members of the family Enterobacteriaceae. Doern GV, et al. **J Clin Microbiol** 1987 Aug;25(8):1481–5

Control of burn wound sepsis: a comparison of in vitro topical antimicrobial assays. Heggers JP, et al. **J Trauma** 1987 Feb; 27(2):176–9

Laboratory tests used to guide antimicrobial therapy. Rosenblatt JE. **Mayo Clin Proc** 1987 Sep;62(9):799–805

Antimicrobial susceptibility determination by an automated conductance technique. Baynes NC, et al. **Med Lab Sci** 1986 Jul;43(3):232–40

Susceptibility testing performed in general practice by urinary tract infections. Kjaerulff E. **Scand J Prim Health Care** 1986 Nov;4(4):205–8

A highly sensitive bacterial assay for toxins based on swarming inhibition, and comparison with the cup plate assay based on growth inhibition. Lenz P, et al. **Toxicology** 1987 Aug;45(2):185–91

[Identification and rapid determination of the antibiotic resistance of enterobacteria with the automated ABAC identibiogram] Auge B, et al. **Ann Biol Clin (Paris)** 1986; 44(3):239–41 (Eng. Abstr.) **(Fre)**

[Comparison of 2 rapid systems for evaluating the sensitivity to antibiotics of 170 strains of Enterobacteriaceae: the Rapid ATB and the Autobac] Enoch F, et al. **Ann Biol Clin (Paris)** 1986;44(5):501–4 (Eng. Abstr.) **(Fre)**

[A study by the National Reference Center for Antibiotics on inocula for antibiotic sensitivity testing] Chabbert YA, et al. **Pathol Biol (Paris)** 1986 May;34(5):317–9 (Eng. Abstr.) **(Fre)**

[Evaluation of the API ATB-CMI system for testing the sensitivity of Haemophilus influenzae to antibiotics. Comparison with other technics and reflections on interpretation criteria] Dabernat H, et al. **Pathol Biol (Paris)** 1986 Jun;34(5 Pt 2):616–20 (Eng. Abstr.) **(Fre)**

[Evaluation of the antibiotic sensitivity of Pseudomonas sp. using the API-ATB-PSE system. Comparison with diffusion and the reference agar dilution method] Delisle F, et al. **Pathol Biol (Paris)** 1986 May;34(5):424–9 (Eng. Abstr.) **(Fre)**

[Rapid ATB staph: 4-hour antibiotic sensitivity test of staphylococci. Description and performance] Gayral JP, et al. **Pathol Biol (Paris)** 1986 May;34(5):364–7 (Eng. Abstr.) **(Fre)**

[Evaluation of the Rapid-ATB system for testing the sensitivity of staphylococci to antibiotics. Comparison with the agar dilution reference method] Le Noc P, et al. **Pathol Biol (Paris)** 1986 Jun;34(5 Pt 2):600–3 (Eng. Abstr.) **(Fre)**

[Quantitative sensitivity determination of bacteria. Indications and methods] von Graevenitz A, et al. **Schweiz Med Wochenschr** 1987 Apr 4;117(14):509–17 (Eng. Abstr.) **(Ger)**

[Pseudomonas aeruginosa and Escherichia coli: reliability of antibiotic resistance results obtained by manual tests and automated and semi-automated equipment] Moretti MV, et al. **Nuovi Ann Ig Microbiol** 1985 Nov–Dec;36(6):453–64 (Eng. Abstr.) **(Ita)**

[A study of the disc sensitivity test for cephapirin] Kanazawa Y, et al. **Jpn J Antibiot** 1986 Oct;39(10):2587–94 (Eng. Abstr.) **(Jpn)**

[Comparative evaluation of the results of antibiotic sensitivity testing using automated microbiological systems and the disk diffusion method] Bekbergenov BM, et al. **Antibiot Med Biotekhnol** 1987 May;32(5):383–5 (Eng. Abstr.) **(Rus)**

[Clinico-laboratory testing of a new medium for determining the antibiotic resistance of microorganisms] Bekbergenov BM, et al. **Lab Delo** 1986;(9):553–5 (Eng. Abstr.) **(Rus)**

STANDARDS

Discrepancy in aminoglycoside susceptibility reporting system [letter] Asbury WH, et al. **Clin Pharm** 1986 Nov; 5(11):872–3

[Comparative sensitivity of yeasts to antifungal agents using a standardized micromethod] Guinet R. **Pathol Biol (Paris)** 1986 May;34(5):536–9 (Eng. Abstr.) **(Fre)**

[Standards for microbial sensitivity tests of anaerobic bacteria] Koguri T. **Rinsho Byori** 1986 Aug;34(8):986–8 **(Jpn)**

MICROBIOLOGICAL TECHNICS

Microbiological testing of the Blairex Water Purifier. Meng KE, et al. **Am J Optom Physiol Opt** 1987 Apr;64(4):284–9

Microbial diagnostics by nucleic acid hybridization. Palva A. **Ann Clin Res** 1986;18(5–6):327–36 (66 ref.)

Diagnosis of central venous catheter-related sepsis. Critical level of quantitative tip cultures. Brun-Buisson C, et al. **Arch Intern Med** 1987 May;147(5):873–7

Nucleic acid probes in clinical microbiology. Zwadyk P Jr, et al. **CRC Crit Rev Clin Lab Sci** 1987;25(1):71–103 (231 ref.)

New techniques for studying digestion and absorption of nutrients by ruminants. Owens FN. **Fed Proc** 1987 Feb; 46(2):283–9

Novel method for detecting micro-organisms in blood cultures. Sawhney D, et al. **J Clin Pathol** 1986 Nov; 39(11):1259–63

The role of the laboratory in the control of diarrhoeal diseases. Jegathesan M, et al. **Malays J Pathol** 1980 Aug; 3:47–51

Rapid detection methods in microbiology: are they right for your office? Needham CA. **Med Clin North Am** 1987 Jul; 71(4):591–605 (64 ref.)

Evaluation of new plastic envelope microbiology (PEM) methods as adjuncts in the diagnosis of Candida albicans and Trichomonas vaginalis vaginitis. Brady WK, et al. **Milit Med** 1986 Sep;151(9):478–80

Blood cultures: issues and controversies. Washington JA 2d, et al. **Rev Infect Dis** 1986 Sep–Oct;8(5):792–802 (42 ref.)

The office microbiology laboratory. Reid G. **Urol Clin North Am** 1986 Nov;13(4):569–76

[2 methods of studying in vitro the virucidal action of disinfectants] Maris P. **Ann Rech Vet** 1986;17(2):115–22 (Eng. Abstr.) **(Fre)**

[Routine microbiologic diagnosis of inflammatory gynecologic diseases including sexually transmitted diseases] Mayer HO, et al. **Gynakol Rundsch** 1987; 27(2):116–20 **(Ger)**

[Diagnostic and microbiological aspects of skeletal infections] Kayser FH, et al. **Schweiz Rundsch Med Prax** 1987 May 5;76(19):524–7 (Eng. Abstr.) **(Ger)**

[Medical technology and tests--application for microbiological laboratory] Kudo H, et al. **Rinsho Byori** 1987 Feb;35(2):173–82 **(Jpn)**

[An attempt for an automatic system of laboratory microbiology] Sugihara S, et al. **Rinsho Byori** 1986 Jul; 34(7):780–7 **(Jpn)**

[Comparative evaluation of the effectiveness of methods of determining the number of microorganisms on the skin of the hands] Ioirish AN, et al. **Lab Delo** 1987;(6):464–6 (Eng. Abstr.) **(Rus)**

[Method of microscopic count of microorganisms using latex particles] Lusta KA, et al. **Lab Delo** 1986;(10):630–2 (Eng. Abstr.) **(Rus)**

[Bioluminescent methods of analysis in microbiology] Ugarova NN, et al. **Prikl Biokhim Mikrobiol** 1987 Jan–Feb; 23(1):14–24 (Eng. Abstr.) **(Rus)**

[The use of lectins in microbiology] Antoniuk VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jun;(6):97–104 (53 ref.) **(Rus)**

[Virologic diagnosis: its usefulness and necessity] Fernández Llanes R. **Rev Cubana Med Trop** 1985 Sep–Dec; 37(3):327–33 (Eng. Abstr.) **(Spa)**

[Effect of culture conditions on the production of trichothecenes in strains of Fusarium] Basilico JC, et al. **Rev Latinoam Microbiol** 1986 Apr–Jun;28(2):153–5 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Clinical comparison of the Roche Septi-Chek and Dupont Isolator blood culture systems. Buck GE, et al. **Am J Clin Pathol** 1987 Mar;87(3):396–8

Automation of microbial enumeration: development of a disposable hydrophobic grid-membrane filter unit. Tsuji K, et al. **Appl Environ Microbiol** 1986 Oct;52(4):857–60

The estimation of microbial biomass. Harris CM, et al. **Biosensors** 1985;1(1):17–84 (278 ref.)

[Distributed automatic control system for experiments on the cultivation of microorganisms] Oprishko AA, et al. **Antibiot Med Biotekhnol** 1987 Jan;32(1):11–5 (Eng. Abstr.) **(Rus)**

STANDARDS

Laboratory quality assurance testing of microbiologic media from commercial sources. Shanholtzer CJ, et al. **Am J Clin Pathol** 1987 Aug;88(2):210–5

Principles of interpretation and reporting in clinical microbiology [editorial] Ackerman VP. **Pathology** 1986 Jul; 18(3):279–80

MICROBIOLOGY

see related
BACTERIA
FUNGI
PROTOZOA
VIRUSES

M.I.D.A.S.—an on-line microbiology information system. Kiehn TE. **Adv Exp Med Biol** 1986;202:63-72

Infectious diseases physicians and microbiologists [letter] Freeman R, et al. **Br Med J [Clin Res]** 1987 Jan 10; 294(6564):121

Germs. Nursery school children's views on the causality of illness. Wilkinson SR. **Clin Pediatr (Phila)** 1987 Sep; 26(9):465-9

Microbial nomenclature: a list of names and origins. Berger SA, et al. **Diagn Microbiol Infect Dis** 1987 Apr;6(4):343-56

[Features of changes in the immunologic indices of workers in contact with biological factors in the industrial environment] Chechura AN, et al. **Gig Tr Prof Zabol** 1986 Oct;(10):17-20 (Eng. Abstr.) **(Rus)**

[Filing of microorganism strains for patent claims in the Soviet Union] Rybal'skiĭ NG, et al. **Prikl Biokhim Mikrobiol** 1987 Jan-Feb;23(1):135-43 (Eng. Abstr.) **(Rus)**

EDUCATION

Salmonella typhi 205aTy, a strain with two attenuating auxotrophic characters, for use in laboratory teaching. Brown RF, et al. **Infect Immun** 1987 Apr;55(4):892-8

Formative evaluation of a structured data base as an educational strategy in medical microbiology. Friedman CP, et al. **Proc Annu Conf Res Med Educ** 1986;25:225-30

[Effect of scientific progress on the improvement of the teaching of microbiology, virology and immunology] Borisov LB. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Dec;(12):112-6 **(Rus)**

HISTORY

Portraits from memory. 1—Fifty years of microbiology: first steps. Howie J. **Br Med J** 1987 Jan 3;294(6563):46-7

University of Nebraska Medical Center Department of Pathology and Microbiology. Newland JR, et al. **Nebr Med J** 1987 Feb;72(2):42-51

[Research in infectious pathology at the Pasteur Institute during World War II] Chalka NA. **Tr Inst Pastera** 1985; 63:3-17 (Eng. Abstr.) **(Rus)**

[Activities of the Central Institute of Epidemiology and Microbiology during World War II] Efremenko AA. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jan;(1):99-101 **(Rus)**

[60th anniversary of the Khabarovsk Research Institute of Epidemiology and Microbiology] Kolganov AV. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jan;(1):101-2 **(Rus)**

[The 50th anniversary of the Sverdlovsk branch of the All-Russia Medical Society of Microbiologists, Epidemiologists and Parasitologists] Popugallo VM. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):111-4 **(Rus)**

[Names of microbiologists, epidemiologists and infectious disease specialists immortalized in Odessa] Zhalkovskiĭ BV. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Aug;(8):118-9 **(Rus)**

METHODS

Variable screening and optimization. Staeheli J. **Dev Biol Stand** 1987;66:143-53

STANDARDS

Quality control in microbiology: a review and bibliography. Braunstein H. **Clin Lab Med** 1986 Dec;6(4):649-74 (8 ref.)

TRENDS

New trends in microbial technology. Reháček Z, et al. **Folia Microbiol (Praha)** 1987;32(1):65-81 (0 ref.)

MICROBODIES

The simultaneous symbiotic origin of mitochondria, chloroplasts, and microbodies. Cavalier-Smith T. **Ann NY Acad Sci** 1987;503:55-71 (71 ref.)

International Symposium on Peroxisomes in Biology and Medicine. July 14-17, 1986, Heidelberg, Federal Republic of Germany. Abstracts. **Eur J Cell Biol [Suppl]** 1986; 14:1-46

ANALYSIS

Coenzyme A in purified peroxisomes is not freely soluble in the matrix but firmly bound to a matrix protein. Van Veldhoven PP, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1195-201

Electron microscopic cytochemical localization of alpha-hydroxyacid oxidase in rat kidney cortex. Heterogeneous staining of peroxisomes. Angermüller S, et al. **Histochemistry** 1986;85(5):411-8

Electron microscopic cytochemical localization of alpha-hydroxyacid oxidase in rat liver. Association with the crystalline core and matrix of peroxisomes. Angermüller S, et al. **Histochemistry** 1986;85(5):403-9

Purification of membrane polypeptides of rat liver peroxisomes. Hashimoto T, et al. **J Biochem (Tokyo)** 1986 Aug;100(2):301-10

Peroxisomal alanine:glyoxylate aminotransferase and prenatal diagnosis of primary hyperoxaluria type 1 [letter] Danpure CJ. **Lancet** 1986 Nov 15;2(8516):1168

DRUG EFFECTS

Effect of peroxisome proliferator carcinogens on unscheduled DNA synthesis in rat hepatocytes determined by autoradiography. Cattley RC, et al. **Cancer Lett** 1986 Dec; 33(3):269-77

Clofibrate does not induce peroxisomal proliferation in human hepatoma cell lines PLC/PRF/5 and SK-HEP-1. Hertz R, et al. **Cancer Lett** 1987 Mar;34(3):263-72

Role of fatty acyl coenzyme A oxidase in the efflux of oxidized glutathione from perfused livers of rats treated with the peroxisome proliferator nafenopin. Conway JG, et al. **Cancer Res** 1987 Sep 15;47(18):4795-800

Analysis of peroxisome proliferator-induced preneoplastic and neoplastic lesions of rat liver for placental form of glutathione S-transferase and gamma-glutamyltranspeptidase. Rao MS, et al. **Cancer Res** 1986 Oct;46(10):5287-90

Lack of DNA damage or lipid peroxidation measured in vivo in the rat liver following treatment with peroxisomal proliferators. Elliott BM, et al. **Carcinogenesis** 1987 Sep; 8(9):1213-8

Peroxisome proliferation and hepatocarcinogenesis. Rao MS, et al. **Carcinogenesis** 1987 May;8(5):631-6 (104 ref.)

Absence of gamma-glutamyl transpeptidase activity in neoplastic lesions induced in the liver of male F-344 rats by di-(2-ethylhexyl)phthalate, a peroxisome proliferator. Rao MS, et al. **Carcinogenesis** 1987 Sep;8(9):1347-50

Peroxisome proliferator-induced hepatocarcinogenesis: levels of activating and detoxifying enzymes in hepatocellular carcinomas induced by ciprofibrate. Rao MS, et al. **Carcinogenesis** 1987 Jan;8(1):19-23

In vitro steady-state levels of hydrogen peroxide after exposure of male F344 rats and female B6C3F1 mice to hepatic peroxisome proliferators. Tomaszewski KE, et al. **Carcinogenesis** 1986 Nov;7(11):1871-6

Examination of the structural requirements for proliferation of peroxisomes and mitochondria in mouse liver by hypolipidemic agents, with special emphasis on structural analogues of 2-ethylhexanoic acid. Lundgren B, et al. **Eur J Biochem** 1987 Mar 2;163(2):423-31

The effect of dehydroepiandrosterone acetate on liver peroxisomal enzyme activities of male and female rats. Leighton B, et al. **J Nutr** 1987 Jul;117(7):1287-90

Hypolipidemic effect and enhancement of peroxisomal beta-oxidation in the liver of rats by sodium-(E)-3-(4-(3-pyridylmethyl)phenyl)-2-methyl propenoate (OKY-1581), a potent inhibitor of TxA2 synthetase. Watanabe T, et al. **J Pharmacobiodyn** 1986 Dec; 9(12):1023-31

Proliferation of peroxisomes in pericentral hepatocytes of rat liver after administration of a new hypocholesterolemic agent (BM 15766). Sex-dependent ultrastructural differences. Baumgart E, et al. **Lab Invest** 1987 May; 56(5):554-64

Hepatic peroxisome proliferation and hypolipidemic effects of di(2-ethylhexyl)phthalate in neonatal and adult rats. Dostal LA, et al. **Toxicol Appl Pharmacol** 1987 Jan; 87(1):81-90

Chlorinated hydrocarbon-induced peroxisomal enzyme activity in relation to species and organ carcinogenicity. Goldsworthy TL, et al. **Toxicol Appl Pharmacol** 1987 Apr; 88(2):225-33

The effect of tridiphane (2-(3,5-dichlorophenyl)-2-(2,2,2-trichloroethyl)oxirane) on hepatic epoxide-metabolizing enzymes: indications of peroxisome proliferation. Moody DE, et al. **Toxicol Appl Pharmacol** 1987 Jun 15;89(1):37-48

Recent advances in phthalate esters research. Proceedings of a symposium. October 1986, Washington, D.C. **Toxicol Ind Health** 1987 Jun;3(2):1-233

Peroxisome induction studies on seven phthalate esters. Barber ED, et al. **Toxicol Ind Health** 1987 Jun;3(2):7-24

Results of peroxisome induction studies on tri(2-ethylhexyl)trimellitate and 2-ethylhexanol. Hodgson JR. **Toxicol Ind Health** 1987 Jun;3(2):49-61

Structure-activity relationships for induction of peroxisomal enzyme activities by phthalate monoesters in primary rat hepatocyte cultures. Lake BG, et al. **Toxicol Ind Health** 1987 Jun;3(2):165-83

The use of multivariate analysis to compare peroxisome induction data on phthalate esters in rats. Lin LI. **Toxicol Ind Health** 1987 Jun;3(2):25-48

Mechanisms of rodent liver carcinogenesis. Michalopoulos GK, et al. **Toxicol Ind Health** 1987 Jun;3(2):119-28 (27 ref.)

Interspecies differences in peroxisomes and peroxisome proliferation. Rodricks JV, et al. **Toxicol Ind Health** 1987 Jun;3(2):197-212 (60 ref.)

Metabolic and peroxisome proliferation studies with di(2-ethylhexyl)phthalate in rats and monkeys. Short RD, et al. **Toxicol Ind Health** 1987 Jun;3(2):185-95

Peroxisome induction studies on di(2-ethylhexyl)terephthalate. Topping DC, et al. **Toxicol Ind Health** 1987 Jun;3(2):63-78

Acyl CoA oxidase is the most suitable marker for hepatic peroxisomal changes caused by treatment of F344 rats with di(2-ethylhexyl)phthalate. Tomaszewski KE, et al. **Toxicol Lett** 1987 Aug;37(3):203-12

Di-n-octyl phthalate (DOP), a relatively ineffective peroxisome inducing straight chain isomer of the environmental contaminant di(2-ethylhexyl)phthalate (DEHP), enhances the development of putative preneoplastic lesions in rat liver. DeAngelo AB, et al. **Toxicology** 1986 Nov;41(3):279-88

Effect of prolonged administration of clofibric acid and di-(2-ethylhexyl)phthalate on hepatic enzyme activities and lipid peroxidation in the rat. Lake BG, et al. **Toxicology** 1987 May;44(2):213-28

Induction of xenobiotic-metabolizing enzymes and peroxisome proliferation in rat liver caused by dietary exposure to di(2-ethylhexyl)phosphate. Lundgren B, et al. **Xenobiotica** 1987 May;17(5):585-93

ENZYMOLOGY

Immunocytochemical localization of peroxisomal enzymes in human liver biopsies. Litwin JA, et al. **Am J Pathol** 1987 Jul;128(1):141-50

Multiple peroxisomal enzymatic deficiency disorders. A comparative biochemical and morphologic study of Zellweger cerebrohepatorenal syndrome and neonatal adrenoleukodystrophy. Vamecq J, et al. **Am J Pathol** 1986 Dec;125(3):524-35

Biochemical and immunological identity of the hepatic peroxisomal and microsomal trans-2-enoyl CoA hydratase bifunctional protein. Cook L, et al. **Arch Biochem Biophys** 1987 Feb 1;252(2):357-68

A proton-translocating adenosine triphosphatase is associated with the peroxisomal membrane of yeasts. Douma AC, et al. **Arch Microbiol** 1987 Feb;147(1):42-7

Induction of peroxisomal fatty acyl-CoA oxidase and microsomal laurate hydroxylase activities by beclobric acid and two metabolites in primary cultures of rat hepatocytes. Kocarek TA, et al. **Biochem Pharmacol** 1987 Sep 15; 36(18):3027-32

Chain-shortening of a xenobiotic acyl compound by the peroxisomal beta-oxidation system in rat liver. Yamada J, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4363-8

Significance of catalase in peroxisomal fatty acyl-CoA beta-oxidation. Hashimoto F, et al. **Biochim Biophys Acta** 1987 Sep 4;921(1):142-50

Purification and properties of peroxisomal carnitine palmitoyltransferase in chick embryo liver. Ishii S, et al. **Biochim Biophys Acta** 1987 Jun 22;924(3):530-42

Effects of clofibric acid and tiadenol on cytosolic long-chain acyl-CoA hydrolase and peroxisomal beta-oxidation in liver and extrahepatic tissues of rats. Katoh H, et al. **Biochim Biophys Acta** 1987 Jul 31;920(2):171-9

Determination of peroxisomal fatty acyl-CoA oxidase activity using a lauroyl-CoA-based fluorometric assay. Poosch MS, et al. **Biochim Biophys Acta** 1986 Dec 10; 884(3):585-93

Isolation of cDNA clones coding for peroxisomal proteins of Candida tropicalis: identification and sequence of a clone for catalase. Rachubinski RA, et al. **Biochim Biophys Acta** 1987 Jun 6;909(1):35-43

A diet rich in (n-3) fatty acids increases peroxisomal beta-oxidation activity and lowers plasma triacylglycerols without inhibiting glutathione-dependent detoxication activities in the rat liver. Yamazaki RK, et al. **Biochim Biophys Acta** 1987 Jul 13;920(1):62-7

Application of automatic image analysis for morphometric studies of peroxisomes stained cytochemically for catalase. II. Light-microscopic application. Beier K, et al. **Cell Tissue Res** 1987 Jan;247(1):179-85

Effect of high cholesterol diet on rat liver peroxisomal enzymes. Hayashi H, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep;34(9):3964-7

Peroxisomal enzyme activities in the liver of overtly diabetic non-obese diabetic mouse. Horie S, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov;34(11):4703-7

Comparison of intraperoxisomal localization form and properties of amphibian (Rana catesbeiana) uricase with those of other animal uricases. Fujiwara S, et al. **Comp Biochem Physiol [B]** 1987;86(1):23-6

Localization of alkaline phosphatase activity at microbody membranes of Neurospora crassa and Aspergillus nidulans. Fiskin AM, et al. **Cytobios** 1986;48(194-195):185-93

Sex-influenced CPIB-induction of peroxisomes in rat lens tissue. Henry EW, et al. **Cytobios** 1986;48(194-195):157-64

cDNA-derived amino acid sequence of rat mitochondrial 3-oxoacyl-CoA thiolase with no transient presequence: structural relationship with peroxisomal isozyme. Arakawa H, et al. **EMBO J** 1987 May;6(5):1361-6

Common elements on the surface of glycolytic enzymes from Trypanosoma brucei may serve as topogenic signals for import into glycosomes. Wierenga RK, et al. **EMBO J** 1987 Jan;6(1):215-21

Effect of thyroid hormone on peroxisomal flavin enzymes in rat liver and kidney. Ichikawa K, et al. **Endocrinol Jpn** 1987 Apr;34(2):245-50

Cloning and expression of the rat liver cDNA for peroxisomal enoyl-CoA hydratase, 3-hydroxyacyl-CoA dehydrogenase in lambda GT11. Transcriptional regulation of enzyme activity by Wy-14643 in primary cultures of rat hepatocytes. Chatterjee B, et al. **Eur J Biochem** 1987 Jul 15;166(2):273-8

Biogenesis of peroxisomes in regenerating rat liver. I. Sequential changes of catalase and urate oxidase detected by ultrastructural cytochemistry. Yamamoto K, et al. **Eur J Cell Biol** 1987 Jun;43(3):293-300

Infantile Refsum disease: deficiency of catalase-containing particles (peroxisomes), alkyldihydroxyacetone phosphate synthase and peroxisomal beta-oxidation enzyme proteins. Wanders RJ, et al. **Eur J Pediatr** 1986 Aug;145(3):172-5

Trypanosoma cruzi: subcellular distribution of glycolytic and some related enzymes of epimastigotes. Taylor MB, et al. **Exp Parasitol** 1987 Feb;63(1):84–97

Peroxisomes in lymphatic leukemia P 388 in mice—cytoenzymatic and ultrastructural investigations. Madej JA, et al. **Exp Pathol** 1986;30(4):215–20

Effect of chronic ethanol treatment on peroxisomal acyl–CoA oxidase activity and lipid peroxidation in rat liver and heart. Panchenko LF, et al. **Experientia** 1987 May 15;43(5):580–1

The primary structure of a peroxisomal fatty acyl–CoA oxidase from the yeast Candida tropicalis pK233. Murray WW, et al. **Gene** 1987;51(2–3):119–28

Characterization of ciprofibrate and clofibric acid as peroxisomal proliferators in primary cultures of rat hepatocytes. Feller DR, et al. **Hepatology** 1987 May–Jun; 7(3):508–16

Effects of unsaturated fatty acids on the peroxisomal enzyme activities of Tetrahymena pyriformis. Gotoh K, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):903–9

Peroxisomal dihydroxyacetone phosphate acyltransferase. Effect of acetaldehyde on the intact and solubilized activity. Dobrowsky RT, et al. **J Biol Chem** 1987 Mar 5; 262(7):3136–9

Induction, identification, and cell–free translation of mRNAs coding for peroxisomal proteins in Candida tropicalis. Fujiki Y, et al. **J Biol Chem** 1986 Nov 25;261(33):15787–93

Structural analysis of cDNA for rat peroxisomal 3–ketoacyl–CoA thiolase. Hijikata M, et al. **J Biol Chem** 1987 Jun 15;262(17):8151–8

Channeling of 3–hydroxy–4–trans–decenoyl coenzyme A on the bifunctional beta–oxidation enzyme from rat liver peroxisomes and on the large subunit of the fatty acid oxidation complex from Escherichia coli. Yang SY, et al. **J Biol Chem** 1986 Nov 25;261(33):15390–5

Enzyme activities in cytoplasm, mitochondria and peroxisomes in dermatofibrosarcoma protuberans. Shindo Y, et al. **J Dermatol (Tokyo)** 1986 Aug;13(4):304–6

Immunocytochemical localization of D–amino acid oxidase in the central clear matrix of rat kidney peroxisomes. Usuda N, et al. **J Histochem Cytochem** 1986 Dec;34(12):1709–18

Biosynthesis of peroxisomal beta–oxidation enzymes in infants with Zellweger syndrome. Suzuki Y, et al. **J Inherited Metab Dis** 1986;9(3):292–6

Activities of liver mitochondrial and peroxisomal fatty acid oxidation enzymes in rats fed trans fat. Ide T, et al. **Lipids** 1987 Jan;22(1):6–10

Purification, properties, and immunocytochemical localization of human liver peroxisomal enoyl–CoA hydratase/3–hydroxyacyl–CoA dehydrogenase. Reddy MK, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3214–8

Human peroxisomal 3–oxoacyl–coenzyme A thiolase deficiency. Schram AW, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2494–6

[Peroxisomal diseases] Aubourg P. **Presse Med** 1987 Mar 7; 16(8):391–6 (16 ref.) (Eng. Abstr.) **(Fre)**

[Experimental model of the peroxide toxicity of peroxisomes] Antonenkov VD, et al. **Patol Fiziol Eksp Ter** 1987 May–Jun;(3):81–4 **(Rus)**

METABOLISM

Dolichol biosynthesis in rat liver peroxisomes. Appelkvist EL. **Acta Chem Scand [B]** 1987 Jan;41(1):73–5

Integral membrane polypeptides of rat liver peroxisomes: topology and response to different metabolic states. Hartl FU, et al. **Arch Biochem Biophys** 1987 May 15; 255(1):109–19

A 31P NMR study of the internal pH of yeast peroxisomes. Nicolay K, et al. **Arch Microbiol** 1987 Feb;147(1):37–41

Chain–shortening of prostaglandin F2 alpha by rat liver peroxisomes. Diczfalusy U, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1206–13

Protein phosphorylation in peroxisomes. Skorin C, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):188–94

Concomitant induction of cytosolic but not microsomal epoxide hydrolase with peroxisomal beta–oxidation by various hypolipidemic compounds. Schladt L, et al. **Biochem Pharmacol** 1987 Feb 1;36(3):345–51

Mitochondrial and peroxisomal oxidation of arachidonic and eicosapentaenoic acid studied in isolated liver cells. Christensen E, et al. **Biochim Biophys Acta** 1986 Dec 5; 879(3):313–21

Increased response to peroxisomal proliferators in starved rats. Hertz R, et al. **Biochim Biophys Acta** 1987 Jan 13; 917(1):57–61

Studies on the interrelated stimulation of microsomal omega–oxidation and peroxisomal beta–oxidation in rat liver with a partially hydrogenated fish oil diet. Nilsson A, et al. **Biochim Biophys Acta** 1987 Jul 31;920(2):114–9

Studies on the peroxisomal oxidation of palmitate and lignocerate in rat liver. Wanders RJ, et al. **Biochim Biophys Acta** 1987 May 13;919(1):21–5

Proton ionophores prevent assembly of a peroxisomal protein. Bellion E, et al. **Cell** 1987 Jan 16;48(1):165–73

Changes in hepatic dolichol and dolichyl monophosphate caused by treatment of rats with inducers of the endoplasmic reticulum and peroxisomes and during ontogeny. Edlund C, et al. **Chem Biol Interact** 1987; 62(2):191–208

Deficient cholesterol side chain oxidation in patients without peroxisomes (Zellweger syndrome): evidence for the involvement of peroxisomes in bile acid synthesis in man. Wanders RJ, et al. **Clin Chim Acta** 1987 Feb 15; 162(3):295–301

Peroxisomal very long–chain fatty acid beta–oxidation in human skin fibroblasts: activity in Zellweger syndrome and other peroxisomal disorders. Wanders RJ, et al. **Clin Chim Acta** 1987 Jul 15;166(2–3):255–63

Peroxisomal beta–oxidation of palmitoyl–CoA in human liver homogenates and its deficiency in the cerebro–hepato–renal (Zellweger) syndrome. Wanders RJ, et al. **Clin Chim Acta** 1986 Aug 30;159(1):1–10

Infantile Refsum's disease: a peroxisomal storage disorder? Manson JI, et al. **Clin Exp Neurol** 1985;21:283–7

Mitochondrial and peroxisomal beta–oxidations in pig coronary smooth muscle cells. Colomb C, et al. **Comp Biochem Physiol [B]** 1987;87(2):217–20

Biogenesis of the glycosome in Trypanosoma brucei: the synthesis, translocation and turnover of glycosomal polypeptides. Hart DT, et al. **EMBO J** 1987 May; 6(5):1403–11

Biosynthesis of membrane polypeptides of rat liver peroxisomes. Suzuki Y, et al. **J Biochem (Tokyo)** 1987 Feb; 101(2):491–6

beta–Oxidation of polyunsaturated fatty acids by rat liver peroxisomes. A role for 2,4–dienoyl–coenzyme A reductase in peroxisomal beta–oxidation. Hiltunen JK, et al. **J Biol Chem** 1986 Dec 15;261(35):16484–93

Permeability of the peroxisomal membrane to cofactors of beta–oxidation. Evidence for the presence of a pore–forming protein. Van Veldhoven PP, et al. **J Biol Chem** 1987 Mar 25;262(9):4310–8

Import of the carboxy–terminal portion of acyl–CoA oxidase into peroxisomes of Candida tropicalis. Small GM, et al. **J Cell Biol** 1987 Jul;105(1):247–50

Peroxisomes in infantile phytanic acid storage disease: a cytochemical study of skin fibroblasts. Beard ME, et al. **J Inherited Metab Dis** 1986;9(4):321–34

Large cation–selective pores from rat liver peroxisomal membranes incorporated to planar lipid bilayers. Labarca P, et al. **J Membr Biol** 1986;94(3):285–91

Neonatal adrenoleukodystrophy. Impaired plasmalogen biosynthesis and peroxisomal beta–oxidation due to a deficiency of catalase–containing particles (peroxisomes) in cultured skin fibroblasts. Wanders RJ, et al. **J Neurol Sci** 1987 Feb;77(2–3):331–40

Diagnosis of Zellweger syndrome by analysis of bile acids and plasmalogens in stored dried blood collected at neonatal screening. Gustafsson J, et al. **J Pediatr** 1987 Aug; 111(2):264–7

Coordinate induction of peroxisomal beta–oxidation activity and cytosolic epoxide hydrolase activity. Oesch F, et al. **Pharmacol Ther** 1987;33(1):29–35

Peroxisomal beta–oxidation enzyme proteins in adrenoleukodystrophy: distinction between X–linked adrenoleukodystrophy and neonatal adrenoleukodystrophy. Chen WW, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1425–8

Firefly luciferase is targeted to peroxisomes in mammalian cells. Keller GA, et al. **Proc Natl Acad Sci USA** 1987 May; 84(10):3264–8

Presence of the peroxisomal 22–kDa integral membrane protein in the liver of a person lacking recognizable peroxisomes (Zellweger syndrome). Lazarow PB, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9193–6

[Activation of peroxisomal acyl–CoA oxidase and lipid peroxidation in the rat myocardium as affected by prolonged administration of ethanol] Antonenkov VD, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):550–2 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Investigations on the mechanism of liver tumour induction by peroxisome proliferators. Bentley P, et al. **Arch Toxicol [Suppl]** 1987;10:157–61

Xenobiotic–induced peroxisome proliferation: role of tissue specificity and species differences in response in the evaluation of the implications for human health. Reddy JK, et al. **Arch Toxicol [Suppl]** 1987;10:43–53 (48 ref.)

PHYSIOLOGY

Induction of peroxisome proliferation in hepatocytes transplanted into the anterior chamber of the eye. A model system for the evaluation of xenobiotic–induced effects. Rao MS, et al. **Am J Pathol** 1986 Sep;124(3):519–27

Biogenesis of peroxisomes. Lazarow PB, et al. **Annu Rev Cell Biol** 1985;1:489–530 (235 ref.)

New approaches in peroxisomal disorders. Moser HW. **Dev Neurosci** 1987;9(1):1–18 (93 ref.)

Efficient association of in vitro translation products with purified stable Candida tropicalis peroxisomes. Small GM, et al. **Mol Cell Biol** 1987 May;7(5):1848–55

What is a peroxisome? Lazarow PB. **Toxicol Ind Health** 1987 Jun;3(2):1–6 (12 ref.)

PHYSIOPATHOLOGY

Peroxisomes (microbodies) in cell pathology. Goldfischer S, et al. **Int Rev Exp Pathol** 1984;26:45–84 (143 ref.)

ULTRASTRUCTURE

Application of an automated image analyzer (TAS, Leitz Wetzlar) for morphometric analysis of peroxisomes in rat liver tissue. Beier K, et al. **Acta Histochem [Suppl] (Jena)** 1987;34:141

Stereological analysis of peroxisomes and mitochondria in intestinal epithelium of patients with peroxisomal deficiency disorders: Zellweger's syndrome and neonatal–onset adrenoleukodystrophy. Black VH, et al. **Am J Anat** 1986 Sep;177(1):107–18

Hepatic peroxisomes are deficient in infantile refsum disease: a cytochemical study of 4 cases. Roels F, et al. **Am J Med Genet** 1986 Oct;25(2):257–71

A rapid method for the isolation of peroxisomes from rat liver. Ghosh MK, et al. **Anal Biochem** 1986 Nov 15; 159(1):169–74

Catalase in cultured skin fibroblasts from patients with the cerebro–hepato–renal (Zellweger) syndrome: normal maturation in peroxisome–deficient cells. Wanders RJ, et al. **Biochim Biophys Acta** 1987 Mar 19;923(3):478–82

Association of isolated bovine kidney cortex peroxisomes with endoplasmic reticulum. Zaar K, et al. **Biochim Biophys Acta** 1987 Feb 12;897(1):135–42

Application of automatic image analysis for morphometric studies of peroxisomes stained cytochemically for catalase. I. Electron–microscopic application. Beier K, et al. **Cell Tissue Res** 1986;246(3):635–40

Peroxisome proliferation due to di(2–ethylhexyl) phthalate (DEHP): species differences and possible mechanisms. Elcombe CR, et al. **Environ Health Perspect** 1986 Dec; 70:211–9

Peroxisomes and peroxisomal functions in muscle. Studies with muscle cells from controls and a patient with the cerebro–hepato–renal (Zellweger) syndrome. Wanders RJ, et al. **Exp Cell Res** 1987 May;170(1):147–52

Biochemical and morphological studies of ammonium perfluorooctanoate–induced hepatomegaly and peroxisome proliferation. Pastoor TP, et al. **Exp Mol Pathol** 1987 Aug; 47(1):98–109

Three–dimensional reconstruction of a peroxisomal reticulum in regenerating rat liver: evidence of interconnections between heterogeneous segments. Yamamoto K, et al. **J Cell Biol** 1987 Aug;105(2):713–22

MICROCAPSULES see **CAPSULES**

MICROCEBUS see **LEMURIDAE**

MICROCEPHALY

Orofacial manifestations of the Seckel syndrome. Chilvarquer LW, et al. **ASDC J Dent Child** 1987 Mar–Apr;54(2):129–31

[The Rett syndrome—criteria and personal experience] Lehovský M, et al. **Cesk Pediatr** 1987 Jan;42(1):30–2 (Eng. Abstr.) **(Cze)**

[Seckel–Wirchow syndrome (bird–headed nanism)] Tirnoveanu G, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1987 Jan–Mar; 36(1):85–90 (Eng. Abstr.) **(Rum)**

CHEMICALLY INDUCED

Vascularity and cytochrome oxidase distribution in the occipital cortex in MAM Ac–induced micrencephaly. Ashwell KW, et al. **Brain Res** 1987 Jun;430(2):301–4

Microencephalic rats as a model for cognitive disorders. Balduini W, et al. **Clin Neuropharmacol** 1986;9 Suppl 3:S8–18

Morphogenesis of isotretinoin–induced microcephaly and micrognathia studied by scanning electron microscopy. Irving DW, et al. **Teratology** 1986 Oct;34(2):141–53

COMPLICATIONS

Differences in antiepileptic drug efficacy in hippocampally kindled normal and microcephalic rats. Majkowski J, et al. **Brain Res** 1986 Oct 29;386(1–2):325–31

Neonatal cytomegalovirus infection with pancreatic cystadenoma and nephrotic syndrome. Amir G, et al. **Pediatr Pathol** 1986;6(4):393–401

[Williams–Beuren syndrome. Description of a case with bifid uvula] Pilotti G, et al. **Minerva Pediatr** 1987 Feb 28; 39(3–4):147–50 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

A case of the Neu–Laxova syndrome: prenatal ultrasonographic monitoring in the third trimester and the histopathological findings. Muller LM, et al. **Am J Med Genet** 1987 Feb;26(2):421–9

The dilemma in prenatal diagnosis of idiopathic microcephaly. Jaffe M, et al. **Dev Med Child Neurol** 1987 Apr;29(2):187–9

Prenatal diagnosis of hereditary microcephaly [letter] Patel ZM. **Indian Pediatr** 1985 Aug;22(8):630–1

A prospective study of the accuracy of ultrasound in predicting fetal microcephaly. Chervenak FA, et al. **Obstet Gynecol** 1987 Jun;69(6):908–10

[Identification of microcephaly of the rat fetus by measuring the brain length in situ] Usami M, et al. **Eisei Shikenjo Hokoku** 1986;(104):73–6 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Effect of acetyl–L–carnitine treatment on some behavioural, histochemical and histological parameters of methylazoxymethanol microencephalic rats. Amenta F, et

al. **Int J Tissue React** 1986;8(6):513–26

ENZYMOLOGY

Deficient fumarase activity in an infant with fumaricacidemia and its distribution between the different forms of the enzyme seen on isoelectric focusing. Petrova-Benedict R, et al. **Am J Hum Genet** 1987 Mar;40(3):257–66

ETIOLOGY

Neurologic–developmental sequelae of chronic renal failure in infancy [letter] Laverda AM, et al. **J Pediatr** 1986 Nov; 109(5):915–6

Possible role of pestiviruses in microcephaly [letter] Potts BJ, et al. **Lancet** 1987 Apr 25;1(8539):972–3

Microcephaly and congenital cytomegalovirus infection: a combined prospective and retrospective study of a Swedish infant population. Ahlfors K, et al. **Pediatrics** 1986 Dec; 78(6):1058–63

Effect of prenatal X irradiation on chemical components of DNA and DNA–protein crosslinks in rat cerebrum in the perinatal periods. Iwasaki S, et al. **Radiat Res** 1987 Apr; 110(1):72–83

[Börjeson–Forssman–Lehmann syndrome: report of a case] Wojciechowski M, et al. **Arq Neuropsiquiatr** 1986 Sep; 44(3):289–92 (Eng. Abstr.) **(Por)**

FAMILIAL & GENETIC

Autosomal dominant microcephaly without mental retardation. Rossi LN, et al. **Am J Dis Child** 1987 Jun; 141(6):655–9

A syndrome of microcephaly, eye anomalies, short stature, and mental deficiency. Bouwes Bavinck JN, et al. **Am J Med Genet** 1987 Apr;26(4):825–31

Dominantly inherited syndrome of microcephaly and congenital lymphedema with normal intelligence [letter] Leung AK. **Am J Med Genet** 1987 Jan;26(1):231

Microcephaly, micrognathia, and bird-headed dwarfism: prenatal diagnosis of a Seckel-like syndrome. Majoor-Krakauer DF, et al. **Am J Med Genet** 1987 May; 27(1):183–8

A genetic association between microcephaly and lymphedema [letter] Meinecke P. **Am J Med Genet** 1987 Jan;26(1):233

Deletion of 2p: a cytogenetic and clinical update. Neidich J, et al. **Am J Med Genet** 1987 Jul;27(3):707–10

Interstitial deletion of chromosome 2 (p23p25). Penchaszadeh VB, et al. **Am J Med Genet** 1987 Jul;27(3):701–6

Pilodentoungulardysplasia with microcephaly: a new ectodermal dysplasia/malformation syndrome. Tajara EH, et al. **Am J Med Genet** 1987 Jan;26(1):153–6

Autosomal recessive nonsyndromal microcephaly with normal intelligence. Teebi AS, et al. **Am J Med Genet** 1987 Feb;26(2):355–9

Microcephaly: genetic counselling and antenatal diagnosis after the birth of an affected child. Tolmie JL, et al. **Am J Med Genet** 1987 Jul;27(3):583–94

An apparently new syndrome of microcephalic primordial dwarfism and cataracts. Toriello HV, et al. **Am J Med Genet** 1986 Sep;25(1):1–8

A syndrome with intracranial calcification and microcephaly in two sibs, resembling intrauterine infection. Burn J, et al. **Clin Genet** 1986 Aug;30(2):112–6

Syndrome of microcephaly, deafness/malformed ears, mental retardation and peculiar facies in a mother and son. Kawashima H, et al. **Clin Genet** 1987 May;31(5):303–7

A new chromosome instability disorder. Maraschio P, et al. **Clin Genet** 1986 Nov;30(5):353–65

Asymmetric crying facies with microcephaly and mental retardation. An autosomal dominant syndrome with variable expressivity. Silengo MC, et al. **Clin Genet** 1986 Dec;30(6):481–4

The brain in partial trisomy 18: a case report. Novotny EJ Jr, et al. **J Child Neurol** 1987 Jul;2(3):194–7

Wolf–Hirschhorn locus is distal to D4S10 on short arm of chromosome 4. McKeown C, et al. **J Med Genet** 1987 Jul; 24(7):410–2

Microcephaly, microphthalmos, and retinal folds: report of a family. Young ID, et al. **J Med Genet** 1987 Mar; 24(3):172–4

Interstitial deletion of the long arm of chromosome 8 without Langer–Giedion syndrome. Kazukawa S, et al. **Jpn J Psychiatry Neurol** 1986 Jun;40(2):221–6

Hypersensitivity of cells from a new chromosomal–breakage syndrome to DNA–damaging agents. Nove J, et al. **Mutat Res** 1986 Dec;163(3):255–62

[Familial microcephaly with spasticity and epilepsy in 2 sisters] Lesný I, et al. **Cesk Neurol Neurochir** 1987 Mar; 50(2):135–8 (Eng. Abstr.) **(Cze)**

[Chorioretinal degeneration and primary familial microcephaly] Saudax E, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:247–52 **(Fre)**

[A familial brain malformation syndrome with symptomatic hypernatremia] Franek A, et al. **Klin Padiatr** 1986 Sep–Oct; 198(5):425–8 (Eng. Abstr.) **(Ger)**

[Seckel syndrome (the bird-headed dwarf)] Fehlow P. **Z Arztl Fortbild (Jena)** 1986;80(19):821–2 **(Ger)**

[Seckel syndrome and multiple intestinal atresia] Ramírez-Gutiérrez V, et al. **Bol Med Hosp Infant Mex** 1987 Feb;44(2):108–11 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Change in facial shape in micro–, macro– and normocephalics. Lavelle CL. **Acta Anat (Basel)** 1986; 126(4):248–54

Purkinje cell inclusions and 'atelencephaly' in 13q–chromosomal syndrome. Towfighi J, et al. **Arch Pathol Lab Med** 1987 Feb;111(2):146–50

An abnormal retinal projection to the lateral posterior nucleus in micrencephalic rats. Ashwell K. **Neurosci Lett** 1986 Dec 3;72(1):7–13

Atelencephalic microcephaly in a 21–week human fetus. Siebert JR, et al. **Teratology** 1986 Aug;34(1):9–19

PREVENTION & CONTROL

The protective effects of vitamin E against microcephaly in rats X–irradiated in utero: dendritic branches. Tanaka H, et al. **Brain Dev** 1986;8(3):301–4

Outcome of untreated vs treated PKU pregnancies [letter] Fisch RO. **J Pediatr** 1987 Sep;111(3):475

RADIOGRAPHY

Computed tomography of the brain in the Smith–Lemli–Opitz syndrome. Marion RW, et al. **J Child Neurol** 1987 Jul;2(3):198–200

Computed tomography of the head in the evaluation of microcephaly. Jaworski M, et al. **Pediatrics** 1986 Dec; 78(6):1064–9

MICROCHEMISTRY

INSTRUMENTATION

Electroelution of nucleic acid in microcentrifuge tube. Ahokas H. **Nucleic Acids Res** 1987 Aug 25;15(16):6759

METHODS

Biochemical micromethods. Neuhoff V. **Acta Histochem [Suppl] (Jena)** 1987;34:95–100

Protein assay sensitive at nanogram levels. Stoscheck CM. **Anal Biochem** 1987 Feb 1;160(2):301–5

Microconductimetric assay of butyrylcholinesterase activity. Duffy P, et al. **Biotechnol Appl Biochem** 1986 Oct; 8(5):479–83

A microassay for studies of the interaction between Fc receptors and low affinity ligands. Kepron MR, et al. **J Immunol Methods** 1987 Apr 16;98(2):209–17

Uptake of 3H–deoxyglucose as a microassay of human neutrophil and monocyte activation. Seow WK, et al. **J Immunol Methods** 1987 Apr 2;98(1):113–8

[Microanalysis of dihydroergotoxine by gas chromatography/selected ion monitoring (GC/SIM). Evaluation of feasibility for GC/HR–SIM in the analysis of human plasma] Irie T, et al. **Yakugaku Zasshi** 1986 Oct; 106(10):900–5 (Eng. Abstr.) **(Jpn)**

MICROCIRCULATION

Problems involved in the measurement of microcirculation by means of microelectrodes. Hutten H, et al. **Adv Exp Med Biol** 1973;37A:135–40

Regulatory dysfunction of microvasculature and catecholamine metabolism in spinal cord injury. Naftchi NE, et al. **Adv Exp Med Biol** 1973;37A:311–8

Microvessel hematocrit: measurement and implications for capillary oxygen transport. Desjardins C, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):H494–503

Laser–Doppler examinations in persons with healthy vasculature and in patients with peripheral arterial occlusive disease. Ranft J, et al. **Angiology** 1986 Nov; 37(11):818–27

Cochlear blood flow. The effect of noise at 60 minutes' exposure. Prazma J, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jan;113(1):36–9

Microcirculation of dogs in hemorrhagic shock and after treatment. Matsumoto T, et al. **Arch Surg** 1968 Feb; 96(2):179–83

Effect of couple stresses on the unsteady convective diffusion in fluid flow through a channel. Rudraiah N, et al. **Biorheology** 1986;23(4):349–58

Cellular and rheological factors contributing to sickle cell microvascular occlusion. Kurantsin-Mills J, et al. **Blood Cells** 1986;12(1):249–70

Alterations by leukocytes of erythrocyte flow in microchannels. La Celle PL. **Blood Cells** 1986;12(1):179–89

The microcirculation in diabetes. Tooke JE. **Diabetic Med** 1987 May–Jun;4(3):189–96 (100 ref.)

Microcirculation and neurotransmitter metabolism in the pathophysiology of brain ischaemia. A role for calcium. Magnoni MS, et al. **Drugs** 1987;33 Suppl 2:12–8 (12 ref.)

The contribution of haemorheology to the understanding of microcirculatory disorders. An introductory overview. Teitel P. **Drugs** 1987;33 Suppl 2:5–11

The Malpighi lecture. From 'Porositates carnis' to cellular microcirculation. Crone C. **Int J Microcirc Clin Exp** 1987; 6(2):101–22 (107 ref.)

A versatile intravital microscope design. Ley K, et al. **Int J Microcirc Clin Exp** 1987;6(2):161–7

Regional microvascular anatomy of the rabbit ciliary body. Morrison JC, et al. **Invest Ophthalmol Vis Sci** 1987 Aug; 28(8):1314–24

Comparative microvascular anatomy of mammalian ciliary processes. Morrison JC, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1325–40

Phenotypic and functional characterization of lymphocytes that bind human microvascular endothelial cells in vitro. Evidence for preferential binding of natural killer cells. Bender JR, et al. **J Clin Invest** 1987 Jun;79(6):1679–88

Radiopaque synthetic sponge as a prosthesis for microvascular decompression. Technical note. Nagata K, et al. **J Neurosurg** 1986 Oct;65(4):564–5

Enhanced capillary blood flow in rapidly expanded random pattern flaps. Marks MW, et al. **J Trauma** 1986 Oct; 26(10):913–5

Spatial heterogeneity and microvascular fluid exchange: a simple macroscopic equation. Groome LJ, et al. **Microvasc Res** 1987 Mar;33(2):155–66

The Microcirculatory Society Eugene M. Landis award lecture. Capillaries and cowboys. Taylor AE. **Microvasc Res** 1987 May;33(3):288–99

A novel method for follow–up studies of the microcirculation in non–malignant tissue implants. Funk W, et al. **Res Exp Med (Berl)** 1986;186(4):259–70

Peritoneal lavage combined with volume therapy in porcine hemorrhagic pancreatitis. Effects on hemodynamics, microcirculation, and peritoneal morphology. Lehtola A, et al. **Scand J Gastroenterol** 1987 Jun;22(5):559–67

The role of microvascular environment in the metastasizing ability of an experimental tumor. Constantinides P, et al. **Virchows Arch [A]** 1987;411(3):223–32

The clinical relevance of the flow properties of blood cells. Dormandy JA. **Wien Med Wochenschr** 1986;136 Spec No:41–3 (10 ref.)

[Erythrocyte aggregation and its repercussions on conjunctival microcirculation in man. Morphometric study and biological correlates] Carpentier P, et al. **J Mal Vasc** 1986;11(3):237–41 (Eng. Abstr.) **(Fre)**

[Microcirculation in clinical practice] Mahler F. **Schweiz Med Wochenschr** 1987 Apr 4;117(14):535–8 (Eng. Abstr.) **(Ger)**

[History of microcirculation from the clinical viewpoint] Bollinger A, et al. **Vasa** 1986;15(4):335–9 (Eng. Abstr.) **(Ger)**

[Studies on microcirculation injury of skeletal muscle due to tourniquet–induced ischemia] Ikemoto Y. **Nippon Seikeigeka Gakkai Zasshi** 1987 Apr;61(4):361–71 (Eng. Abstr.) **(Jpn)**

[The use of thermography in the clinical evaluation of microcirculation] Iakhontova OI, et al. **Ter Arkh** 1987; 59(4):97–100 (Eng. Abstr.) **(Rus)**

[Microcirculatory disorders in peptic ulcer patients] Ikhenko RI, et al. **Vrach Delo** 1987 Jan;(1):4–6 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Microcirculatory abnormalities in liver diseases [editorial] Villeneuve JP, et al. **Hepatology** 1987 Jan–Feb;7(1):186–7

ANATOMY & HISTOLOGY

Microvascular diameter changes during local blood flow regulation: independence of changes in PO2. Duling BR. **Adv Exp Med Biol** 1973;37A:591–5

Three–dimensional reconstruction of median eminence microvascular modules. Hibbard LS, et al. **Comput Biol Med** 1986;16(6):411–21

Vascular casts demonstrate microcirculatory insufficiency in acute frostbite. Daum PS, et al. **Cryobiology** 1987 Feb; 24(1):65–73

Clinical studies of skin microcirculation. Fagrell B. **Klin Wochenschr** 1986 Oct 1;64(19):943–6

Anatomic and hemodynamic characteristics of the blood vessels feeding the cremaster skeletal muscle in the rat. Meininger GA, et al. **Microvasc Res** 1987 Jan;33(1):81–97

Microvascular relations of the trigeminal nerve: an anatomical study. Klun B, et al. **Neurosurgery** 1986 Oct; 19(4):535–9

[Results and prospects for the study of the morphologic basis of microcirculation of the blood] Kozlov VI, et al. **Arkh Anat Gistol Embriol** 1987 May;92(5):5–19 (132 ref.) (Eng. Abstr.) **(Rus)**

[Automatic image analysis in the study of the microcirculatory bed] Datsenko AV, et al. **Arkh Patol** 1986; 48(10):75–8 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Microcirculatory methods for evaluating the effect of vasoactive drugs in clinical practice. Fagrell B. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 6:103–7

Anti–asthma drugs attenuate inflammatory leakage of plasma into airway lumen. Erjefält I, et al. **Acta Physiol Scand** 1986 Dec;128(4):653–4

Induced hypotension: action of sodium nitroprusside and nitroglycerin on the microcirculation. A micropuncture investigation. Endrich B, et al. **Anesthesiology** 1987 May; 66(5):605–13

A synergistic effect on microvessel cell proliferation between basic fibroblast growth factor (FGFb) and endothelial cell stimulating angiogenesis factor (ESAF). Odedra R, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):947–53

Effect of glucose and galactose on microcirculatory flow in normal and neoplastic tissues in rabbits. Ward–Hartley KA, et al. **Cancer Res** 1987 Jan 15;47(2):371–7

Selective antagonism of hormone–induced vasoconstriction

by synthetic atrial natriuretic factor in the rat microcirculation. Proctor KG, et al. **Circ Res** 1987 Jul; 61(1):42–9

Intestinal arteriolar responses to mucosal and serosal applications of adenosine analogues. Proctor KG. **Circ Res** 1987 Aug;61(2):187–93

Reduced RBC versus plasma microvascular flow due to endotoxin. Baker CH, et al. **Circ Shock** 1986;20(2):127–39

No protection in sheep by high-dose methylprednisolone against pulmonary microvascular injury following trauma. Smith L, et al. **Circ Shock** 1986;20(4):269–80

Early microcirculatory stasis in acute gastric mucosal injury in the rat and prevention by 16,16-dimethyl prostaglandin E2 or sodium thiosulfate. Pihan G, et al. **Gastroenterology** 1986 Dec;91(6):1415–26

Microvascular mechanisms involved in calcium antagonist edema formation. Gustafsson D. **J Cardiovasc Pharmacol** 1987;10 Suppl 1:S121–31

Quantitative assessment of microvascular permeability in endotoxin-induced lung injury in anaesthetized dogs. Ishibashi M, et al. **Jpn J Physiol** 1986;36(5):959–69

Norepinephrine effects on SHR muscle vessel diameters, RBC and plasma flow. Wilmoth FR, et al. **Microcirc Endothelium Lymphatics** 1986;3(1):1–20

Peripheral vascular responses to fluorocarbon administration. Faithfull NS, et al. **Microvasc Res** 1987 Mar;33(2):183–93

[Direct observation of microcirculation in isoflurane anesthesia] Böhrer H, et al. **Anasth Intensivther Notfallmed** 1987 Apr;22(2):84–9 (Eng. Abstr.) **(Ger)**

[An experimental study of chemical embolization using conjugated estrogen—ultrastructural observations on rat mesenteric vessels] Shimizu Y, et al. **No Shinkei Geka** 1987 May;15(5):513–21 (Eng. Abstr.) **(Jpn)**

[Rheological properties of the blood and the state of microcirculation during experimental administration of a perfluororganic emulsion as a blood substitute] Gusenova FM, et al. **Gematol Transfuziol** 1986 Dec;31(12):29–32 (Eng. Abstr.) **(Rus)**

[Pharmacologic correction of microcirculatory disorders and hemosorption in the treatment of patients with ischemic heart disease] Topchii II. **Kardiologiia** 1986 Oct;26(10):32–5 (Eng. Abstr.) **(Rus)**

[Effect of peripheral vasodilator agents on the state of the microcirculatory bed in congestive circulatory failure] Sivkov II, et al. **Sov Med** 1987;(1):3–9 (Eng. Abstr.) **(Rus)**

[Efficacy of antianginal therapy taking into account the correction of microcirculatory disorders of patients with stenocardia] Levchenko VA, et al. **Voen Med Zh** 1987 Jan; (1):68 **(Rus)**

ENZYMOLOGY

[Electron-histochemical study of acetylcholinesterase activity in the endotheliocytes of human tongue microvessels in the prenatal period of morphogenesis] Bobrik II, et al. **Vrach Delo** 1987 Jun;(6):88–90 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Scanning electron microscope study of the developing microvasculature in the postnatal rat lung. Caduff JH, et al. **Anat Rec** 1986 Oct;215(2):154–64

Development of capillary networks from rat microvascular fragments in vitro: the role of myofibroblastic cells. Sato N, et al. **Microvasc Res** 1987 Mar;33(2):194–210

IMMUNOLOGY

Brain microvascular smooth muscle expresses class II antigens. Hart MN, et al. **J Immunol** 1987 May 1; 138(9):2960–3

The isolation and characterization of enriched microvascular endothelial cells from mouse adipose tissue. The induction of class II molecules of the major histocompatibility complex (MHC) by interferon-gamma (IFN-gamma). Launder TM, et al. **J Immunol Methods** 1987 Aug 24; 102(1):45–52

METABOLISM

Hypoxanthine uptake by isolated brain microvessels. Cardelli-Cangiano P, et al. **Adv Exp Med Biol** 1986;195 Pt B:43–6

Vasopressin binds to microvessels from rat hippocampus. Kretzschmar R, et al. **Brain Res** 1986 Aug 20;380(2):325–30

A technique to measure the reflection coefficient using endogenous vascular indicators. Pilati CF, et al. **Microvasc Res** 1986 Sep;32(2):255–60

Preparation and high-performance size-exclusion chromatographic (HPSEC) analysis of fluorescein isothiocyanate-hydroxyethyl starch: macromolecular probes of the blood-lymph barrier. Schaeffer RC Jr, et al. **Microvasc Res** 1986 Sep;32(2):230–43

Binding and uptake of native and glycosylated albumin-gold complexes in perfused rat lungs. Villaschi S, et al. **Microvasc Res** 1986 Sep;32(2):190–9

PATHOLOGY

Microvascular density changes during wound-healing. Hashimoto H, et al. **Int J Microcirc Clin Exp** 1987; 5(4):303–10

The structure and reactions of the microcirculation in a subcutaneous air pouch in the rat. Balasubramaniam GS, et al. **J Pathol** 1987 Feb;151(2):139–46

Effects of endotoxin on the splenic microcirculation and its cellularity. Chen LT. **Scan Electron Microsc** 1986;(Pt 3):1051–5

Characterization of microvascular cell cultures from normotensive and hypertensive rat brains: pericyte-endothelial cell interactions in vitro. Herman IM, et al. **Tissue Cell** 1987;19(2):197–206

[Microvascular disorders of adipose tissue] Curri SB, et al. **J Mal Vasc** 1986;11(3):303–9 (Eng. Abstr.) **(Fre)**

[Morphology and various problems of the pathogenesis of alcoholic microangiopathy] Lebedev SP, et al. **Arkh Patol** 1986;48(10):26–33 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Rapid regeneration in postischaemic skeletal muscle with undisturbed microcirculation. Jennische E. **Acta Physiol Scand** 1986 Nov;128(3):409–14

Percolation and transit in microvascular networks. Hudetz AG, et al. **Adv Exp Med Biol** 1986;200:79–88

Influence of PaO2 on cerebral macro- and microcirculation as observed by light reflection: time course of changes. Weinbrecht PT, et al. **Adv Exp Med Biol** 1986;200:131–6

Generalization of the Fahraeus principle for microvessel networks. Pries AR, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):H1324–32

Microcirculatory adaptation to skeletal muscle transplantation. Burton HW, et al. **Annu Rev Physiol** 1987; 49:439–51 (58 ref.)

Injury of brain microvessels with a helium–neon laser and Evans blue can elicit local platelet aggregation without endothelial denudation. Povlishock JT, et al. **Arch Pathol Lab Med** 1987 May;111(5):415–21

Change in (dP/dt)max as an index of myocardial microvascular permeability. Laine GA. **Circ Res** 1987 Aug; 61(2):203–8

Pressure profile along the microvascular network and its control. Joyner WL, et al. **Fed Proc** 1987 Feb;46(2):266–9

Capillary plugging by granulocytes and the no-reflow phenomenon in the microcirculation. Schmid-Schönbein GW. **Fed Proc** 1987 May 15;46(7):2397–401 (36 ref.)

Hematocrit fluctuations within capillary tubes and estimation of Fåhraeus effect. Secomb TW, et al. **Int J Microcirc Clin Exp** 1987;5(4):335–45

A theoretical model for peripheral tissue heat transfer using the bioheat equation of Weinbaum and Jiji. Song WJ, et al. **J Biomech Eng** 1987 Feb;109(1):72–8

CCD line-scan image sensor for the measurement of red cell velocity in microvessels. Goodman AH. **J Biomed Eng** 1986 Oct;8(4):329–33

Microcirculatory measurements in the same conscious rats (WKY and SHR) during their first year from birth. Hertel RF. **Microcirc Endothelium Lymphatics** 1986;3(1):75–87

Quantification of red cell movement in microvessels: a new application of interactive computer graphics. Ellis CG, et al. **Microvasc Res** 1987 May;33(3):428–32

Pressure pulse transmission into vascular beds. Salotto AG, et al. **Microvasc Res** 1986 Sep;32(2):152–63

Pulmonary fibrin deposition and increased microvascular permeability to protein following fibrin microembolism in dogs: a structure-function relationship. Schaeffer RC Jr, et al. **Microvasc Res** 1987 May;33(3):327–52

The near-wall excess of platelet-sized particles in blood flow: its dependence on hematocrit and wall shear rate. Tilles AW, et al. **Microvasc Res** 1987 Mar;33(2):211–23

Statistical estimation of parameters in microcirculation. Vicaut E. **Microvasc Res** 1986 Sep;32(2):244–7

[Mechanisms of O2 transport in the microcirculatory system] Kisliakov Iulа. **Fiziol Zh SSSR** 1987 May;73(5):569–78 (61 ref.) (Eng. Abstr.) **(Rus)**

[Functional properties of thrombocytes and the antiaggregative activity of the vascular wall in healthy persons in various seasons of the year] Mishchenko VP, et al. **Gematol Transfuziol** 1986 Aug;31(8):43–6 (Eng. Abstr.) **(Rus)**

[Histophysiology of the microcirculatory system] Kozlov VI. **Usp Fiziol Nauk** 1987 Apr–Jun;18(2):49–75 (217 ref.) **(Rus)**

PHYSIOPATHOLOGY

Microvascular function in skin windows. Humphrey DM, et al. **Am J Pathol** 1987 Mar;126(3):423–31

The role of histamine and other mediators in microvascular changes in acute inflammation. Movat HZ. **Can J Physiol Pharmacol** 1987 Mar;65(3):451–7 (27 ref.)

Microvascular function at the margins of early experimental myocardial infarcts in isolated rabbit hearts. Sage MD, et al. **Heart Vessels** 1986;2(2):81–6

Comparative investigation of the microcirculation in patients with hypertension and healthy adults. Jung F, et al. **Klin Wochenschr** 1986 Oct 1;64(19):956–61

Microcirculation and hemorheology of children with type I diabetes. Kiesewetter H, et al. **Klin Wochenschr** 1986 Oct 1;64(19):962–8

Microcirculation in the conjunctival capillaries of healthy and hypertensive patients. Körber N, et al. **Klin Wochenschr** 1986 Oct 1;64(19):953–5

[Chronic venous insufficiency and microcirculation. Physiopathologic and therapeutic reflections] Carpentier P, et al. **J Mal Vasc** 1987;12(3):280–4 (42 ref.) (Eng. Abstr.) **(Fre)**

[Effects of compression on microcirculation] Coget JM, et al. **Phlebologie** 1986 Jul–Sep;39(3):509–16 **(Fre)**

[Status of hemostasis, microcirculation and vessel wall permeability in patients with obstructive jaundice] Krivitskii DI, et al. **Klin Khir** 1986;(9):27–9 (Eng. Abstr.) **(Rus)**

[Status of the microcirculation, fibrinolysis and rheologic properties of the blood of patients with chronic suppurative bronchitis] Bratchik AM, et al. **Klin Med (Mosk)** 1987 Mar; 65(3):82–5 (Eng. Abstr.) **(Rus)**

[Erythrocyte phospholipids, blood coagulation and the status of the microcirculation in patients with acute pneumonia] Iuldashev KIu, et al. **Klin Med (Mosk)** 1987 Mar;65(3):45–8 (Eng. Abstr.) **(Rus)**

[Changes in microhemocirculation in various types of shock and collapse and the evaluation of their possible use as prognostic criteria] Seleznev SA, et al. **Patol Fiziol Eksp Ter** 1986 Nov–Dec;(6):25–8 (Eng. Abstr.) **(Rus)**

[Clinico-microcirculatory parallels in chronic gastroduodenitis and cholecystocholangitis in children] Guselnova NA, et al. **Pediatriia** 1986 Sep;(9):77–8 **(Rus)**

[Microcirculation, blood coagulation and blood phospholipids in acute pneumonia] Iuldashev KIu, et al. **Ter Arkh** 1987;59(3):88–91 (Eng. Abstr.) **(Rus)**

[Compensatory changes in the microcirculatory system and their clinical significance in patients with iron deficiency anemia] Kirilenko NP. **Ter Arkh** 1987;59(6):56–9 (Eng. Abstr.) **(Rus)**

[Hypovolemic shock and the state of microcirculation in patients with food poisoning] Rashchinskii MI. **Ter Arkh** 1986;58(10):51–4 (Eng. Abstr.) **(Rus)**

[Status of the microcirculation of patients with ischemic heart disease in the rehabilitation stage during changes in helio-geophysical factors] Kiniaikin MF, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Jan–Feb;(1):48–9 **(Rus)**

RADIATION EFFECTS

Effect of irradiation on microvasculature: a quantitative study. Krishnan EC, et al. **Cancer Detect Prev** 1987; 10(1–2):121–7

Experimental study of argon laser-induced microthrombosis during PGI2 infusion. Boncinelli S, et al. **Eur Surg Res** 1987;19(3):171–7

[Effect of helium-neon laser radiation on restoration of the structure of the microcirculatory bed and neurocytes of the small intestine following experimental ischemia] Mel'man EP, et al. **Arkh Anat Gistol Embriol** 1987 May; 92(5):39–45 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

The use of lead methacrylate 2-ethylhexanoate to create a radio-opaque resin suitable for microvascular corrosion casting. Burton GJ, et al. **J Microsc** 1986 Sep;143 (Pt 3):313–7

SURGERY

The UNILINK instrument system for fast and safe microvascular anastomosis. Ostrup LT, et al. **Ann Plast Surg** 1986 Dec;17(6):521–5

Doppler test after microvascular anastomoses and evaluation of somatostatin administration in segmental canine pancreas autotransplantation. A preliminary study. Puleo S, et al. **Ital J Surg Sci** 1986;16(3):185–90

The microsurgical triple clamp: a technique for microvascular grafting of short interposition grafts. Galumbeck M, et al. **J Reconstr Microsurg** 1987 Apr; 3(3):243–5

Resin corrosion cast (Mercox) in experimental evaluation of small vessel anastomosis. Kanaujia RR, et al. **J Reconstr Microsurg** 1986 Jul;2(4):213–20

Microvascular anastomosis with a low-output carbon dioxide (CO2) laser. I. Laser device, techniques and conditions of anastomosis. Oishi J. **Nippon Seikeigeka Gakkai Zasshi** 1986 Jul;60(7):801–11

Microvascular anastomosis with a low-output carbon dioxide (CO2) laser. II. Histopathological features. Oishi J. **Nippon Seikeigeka Gakkai Zasshi** 1986 Jul;60(7):813–24

[A study of the patency of postoperatively irradiated vascular anastomoses in rats and their histologic results] Kärcher H, et al. **Z Exp Chir Transplant Kunstliche Organe** 1987; 20(1):26–30 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Blood vascular organization of the rat carotid body: a scanning electron microscopic study of corrosion casts. Taguchi T. **Arch Histol Jpn** 1986 Jun;49(2):243–54

Microdissection of methyl methacrylate vascular casts in the scanning electron microscope. Yoshida S, et al. **J Electron Microsc (Tokyo)** 1986;35(3):276–9

Ultrastructural studies of basement membranes of microvessels isolated from rat brain: lack of staining with ruthenium red. Schmidley JW. **Microvasc Res** 1987 May; 33(3):417–21

GIP potentiates CCK stimulated pancreatic enzyme secretion: correlation of anatomical structures with the effects of GIP and CCK on amylase secretion. Mueller

MK, et al. **Pancreas** 1987;2(1):106–13
Microcorrosion casts in the microcirculation of skeletal muscle. Pannarale L, et al. **Scan Electron Microsc** 1986;(Pt 3):1103–8
Scanning electron microscopy of microcorrosion casts: applications in ophthalmologic research. Burger PC, et al. **Scanning Microsc** 1987 Mar;1(1):223–31
Vascular casting and scanning electron microscopy in diabetes. Fryczkowski AW. **Scanning Microsc** 1987 Jun; 1(2):811–6
Vasospastic phenomena on the luminal replica of rat brain vessels. Motti ED, et al. **Scanning Microsc** 1987 Mar; 1(1):207–22

MICROCLIMATE see under **CLIMATE**

MICROCOCCACEAE

ANALYSIS

Effects of monovalent and divalent salts on the phospholipid and fatty acid compositions of a halotolerant Planococcus sp [published erratum appears in Appl Environ Microbiol 1986 Dec;52(6):1438] Miller KJ. **Appl Environ Microbiol** 1986 Sep;52(3):580–2

ENZYMOLOGY

beta-lactamase production in coagulase-negative micrococcaceae. Rosdahl VT, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Dec; 94(6):423–7

ISOLATION & PURIFICATION

Isolation of Stomatococcus mucilaginosus from drug user with endocarditis. Coudron PE, et al. **J Clin Microbiol** 1987 Aug;25(8):1359–63
Stomatococcus mucilaginosus endocarditis in an intravenous drug abuser. Relman DA, et al. **J Infect Dis** 1987 May; 155(5):1080–2
Skin microflora. Leyden JJ, et al. **J Invest Dermatol** 1987 Mar;88(3 Suppl):65s–72s

MICROCOCCAL NUCLEASE

Diffusion coefficients of quenchers in proteins from transient effects in the intensity decays. Lakowicz JR, et al. **J Biol Chem** 1987 Aug 15;262(23):10907–10
Micrococcal nuclease as a DNA structural probe: its recognition sequences, their genomic distribution and correlation with DNA structure determinants. Flick JT, et al. **J Mol Biol** 1986 Aug 20;190(4):619–33
Complementation in folding and fragment exchange. Taniuchi H, et al. **Methods Enzymol** 1986;131:185–217
Proline isomerism in staphylococcal nuclease characterized by NMR and site-directed mutagenesis. Evans PA, et al. **Nature** 1987 Sep 17–23;329(6136):266–8

DIAGNOSTIC USE

The use of micrococcal nuclease as a probe for drug-binding sites on DNA. Fox KR, et al. **Biochim Biophys Acta** 1987 Jul 14;909(2):145–55

IMMUNOLOGY

Inhibition of the catalytic properties of Staphylococcus aureus nuclease by monoclonal antibodies. Devaux CA, et al. **Mol Cell Biochem** 1987 Apr;74(2):117–28

ISOLATION & PURIFICATION

Reversed-phase liquid chromatography of site-specific mutagenized staphylococcal nuclease. Gradient retention and correlations with amino acid-based predictive scales. Ford JC, et al. **J Chromatogr** 1987 Mar 25;390(2):307–27

METABOLISM

cis-Diamminedichloroplatinum(II) selectively cross-links high mobility group proteins 1 and 2 to DNA in micrococcal nuclease accessible regions of chromatin. Scovell WM, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):826–35
Kinetic and magnetic resonance studies of active-site mutants of staphylococcal nuclease: factors contributing to catalysis. Serpersu EH, et al. **Biochemistry** 1987 Mar 10; 26(5):1289–300
A 10S particle released from deoxyribonuclease-sensitive regions of HeLa cell nuclei contains the 86-kilodalton-70-kilodalton protein complex. Yaneva M, et al. **Biochemistry** 1986 Sep 9;25(18):5057–63
Secretion and processing of staphylococcal nuclease by Bacillus subtilis. Miller JR, et al. **J Bacteriol** 1987 Aug; 169(8):3508–14
Medium dependence for rapid detection of thermonuclease activity in blood culture broths. Faruki H, et al. **J Clin Microbiol** 1986 Sep;24(3):482–3

MICROCOCCUS

ANALYSIS

Fatty acids and carbohydrate-containing lipids in four Micrococcaceae strains. Melin AM, et al. **Biochimie** 1986 Oct-Nov;68(10–11):1201–9
Structural and immunochemical characterization of a ribosomal protein from gram-positive Micrococcus luteus which is functionally homologous to Escherichia coli ribosomal protein S1. Muralikrishna P, et al. **Eur J Biochem** 1987 Sep 1;167(2):299–305

CLASSIFICATION

Comparison of methods for routine separation of coagulase-negative staphylococci from micrococci isolated from sheep. de la Fuente R, et al. **Comp Immunol Microbiol Infect Dis** 1986;9(4):347–53

DRUG EFFECTS

Discrepancy between the antibacterial activities and the inhibitory effects on Micrococcus luteus DNA gyrase of 13 quinolones. Fu KP, et al. **Chemotherapy** 1986;32(6):494–8

ENZYMOLOGY

A rapid assay method for ammonia using glutamine synthetase from glutamate-producing bacteria. Wakisaka S, et al. **Anal Biochem** 1987 May 15;163(1):117–22
Mixed enzymic reaction—internal diffusion kinetics of nonuniformly distributed immobilized enzymes. The system agarose-micrococcal endonuclease. Guisan JM, et al. **Appl Biochem Biotechnol** 1987 Feb;14(1):49–72
Surface charge measurements on Micrococcus lysodeikticus and the catalytic implications for lysozyme. Price JA, et al. **Biochim Biophys Acta** 1986 Nov 28;889(2):128–35
Coagulase-negative staphylococci and micrococci in clinical microbiology. Gahrn-Hansen B. **Dan Med Bull** 1987 Apr; 34(2):96–114 (0 ref.)
DNA glycosylase enzymes induced during chemical adaptation of M. luteus. Riazuddin S, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6607–24

GENETICS

Cloning of Micrococcus luteus 3-methyladenine-DNA glycosylase genes in Escherichia coli. Pierre J, et al. **Gene** 1986;43(1–2):139–46
The roles of different excision-repair mechanisms in the resistance of Micrococcus luteus to UV and chemical mutagens. Tao K, et al. **Mutat Res** 1987 May;183(3):231–9

IMMUNOLOGY

Comparison of cytoplasmic membrane antigens of a wild type of Micrococcus luteus (lysodeikticus) and its autolysis-defective mutant by immunodiffusion. Monodane T, et al. **Microbiol Immunol** 1986;30(9):915–8

ISOLATION & PURIFICATION

[Causes of error in the study of fibrinogen clumping and the diagnosis of Staphylococcus aureus: Micrococci and Acinetobacter] Weber P, et al. **Pathol Biol (Paris)** 1987 Feb;35(2):187–9 (Eng. Abstr.) **(Fre)**
[Micrococci in the skin microbiocenosis of the breasts of healthy women] Sytnik SI. **Vrach Delo** 1986 Oct;(10):19–21 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Accelerated tissue repair induced by micrococcus varians. Laato M, et al. **Surg Gynecol Obstet** 1987 Apr;164(4):340–4

ULTRASTRUCTURE

Laser-Raman spectroscopy of cell walls from Micrococcus luteus (lysodeikticus) with special reference to cell wall typing. Monodane T, et al. **Cell Mol Biol** 1987;33(3):407–11

MICROCOCCUS DENITRIFICANS see **PARACOCCUS DENITRIFICANS**

MICROCOCCUS PYOGENES see **STAPHYLOCOCCUS AUREUS**

MICROCOMPUTERS see under **COMPUTERS**

MICROELECTRODES

Clinical use of a new intra-arterial catheter electrode system. Bicher HI, et al. **Adv Exp Med Biol** 1973;37A:107–13
Problems involved in the measurement of microcirculation by means of microelectrodes. Hutten H, et al. **Adv Exp Med Biol** 1973;37A:135–40
Absolute PO2-measurements with Pt-electrodes applying polarizing voltage pulsing. Kunze K, et al. **Adv Exp Med Biol** 1973;37A:35–43
High speed pulsatile operation of miniature oxygen electrodes. Saulson SH. **Adv Exp Med Biol** 1973;37A:29–34
The oxygen micro-electrode. Silver IA. **Adv Exp Med Biol** 1973;37A:7–15
Intracellular oxygen microelectrodes. Whalen WJ. **Adv Exp Med Biol** 1973;37A:17–22
A new microelectrode method for simultaneous measurement of pH and PCO2. Bomsztyk K, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F933–7
Cl(-)-selective microelectrodes: sensitivity to anionic Cl-transport inhibitors. Chao AC, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):C343–7
Sodium-sensitive glass microelectrode: modified Thomas recessed-tip configuration. Pucacco LR, et al. **Anal Biochem** 1986 Nov 15;159(1):43–9
Tip size of ion-exchanger based K+-selective microelectrodes. II. Effects on measurement of evoked [K+]0 transients. Ransom BR, et al. **Can J Physiol Pharmacol** 1987 May;65(5):894–7
Recording of intracellular Ca2+ from smooth muscle cells by sub-micron tip, double-barrelled CA2+-selective microelectrodes. Yamaguchi H. **Cell Calcium** 1986 Aug; 7(4):203–19
A sputtered gold microelectrode in combination with a multibarrelled micropipette: a low impedance extracellular recording electrode with the facility of iontophoresis. Goodchild CS, et al. **Electroencephalogr Clin Neurophysiol** 1987 Jul;67(1):91–4
Open tip glass microelectrodes: conduction through the wall at the tip. Gagné S, et al. **IEEE Trans Biomed Eng** 1987 Jan;34(1):56–61
Definition of the geometric area of a microelectrode tip by plasma etching of Parylene. Levy BP, et al. **IEEE Trans Biomed Eng** 1986 Nov;33(11):1046–9
Procedures for manufacturing double-barrelled ion-sensitive microelectrodes employing liquid sensors. Djamgoz MB, et al. **J Biochem Biophys Methods** 1986 Aug;13(1):9–21
Ion-sensitive microelectrode measurements of free intracellular chloride and potassium concentrations in hyperthermia-treated neuroblastoma cells. Borrelli MJ, et al. **J Cell Physiol** 1986 Nov;129(2):175–84
Anti-adhesive coating for glass microelectrodes. Järvilehto M, et al. **J Neurosci Methods** 1986 Sep;17(4):327–34
Thermal stability of hydrolic drives. Raynauld JP. **J Neurosci Methods** 1986 Dec;18(4):385–7
A stepper motor-driven microelectrode positioner. Schmid K, et al. **J Neurosci Methods** 1987 Mar;19(3):235–42
Laser-drilled multichannel multidepth extracellular microelectrodes. Gundjian A, et al. **Med Biol Eng Comput** 1986 Jul;24(4):420–3
Valinomycin-based K+ selective microelectrodes with low electrical membrane resistance. Ammann D, et al. **Neurosci Lett** 1987 Feb 24;74(2):221–6
An amperometric enzyme electrode for monitoring brain glucose in the freely moving rat. Boutelle MG, et al. **Neurosci Lett** 1986 Dec 23;72(3):283–8

STANDARDS

Standardization of producing needle electrodes. Sinagowitz E, et al. **Adv Exp Med Biol** 1973;37A:23–7
An improved microelectrode resistance meter. Stephenson RS, et al. **J Neurosci Methods** 1986 Sep;17(4):335–42

MICROENCAPSULATION see **DRUG COMPOUNDING**

MICROFILAMENT PROTEINS

Comparison of thermal properties of bovine spectrin and fodrin. Di Stasi AM, et al. **Arch Biochem Biophys** 1987 Jul;256(1):144–9

ANALYSIS

Tubulin- and actin-binding proteins in chromaffin cells. Aunis D, et al. **Ann NY Acad Sci** 1987;493:435–47
Localization of fodrin during fertilization and early development of sea urchins and mice. Schatten H, et al. **Dev Biol** 1986 Dec;118(2):457–66
F-actin-binding synthetic heptapeptide having the amino acid sequence around the SH1 cysteinyl residue of myosin. Suzuki R, et al. **J Biol Chem** 1987 Aug 25;262(24):11410–2
The Dictyostelium discoideum 30,000-dalton protein is an actin filament-bundling protein that is selectively present in filopodia. Fechheimer M. **J Cell Biol** 1987 Jun; 104(6):1539–51
Fibrillin, a new 350-kD glycoprotein, is a component of extracellular microfibrils. Sakai LY, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2499–509
Pseudoexfoliative material contains an elastic microfibrillar-associated glycoprotein. Streeten BW, et al. **Trans Am Ophthalmol Soc** 1986;84:304–20
[Microfilamin—a new cytoskeleton protein with a molecular weight of 53000] Fridlianskaia II, et al. **Dokl Akad Nauk SSSR** 1986;289(6):1511–3 **(Rus)**

ANTAGONISTS & INHIBITORS

Calpain abolishes the effect of filamin on the actomyosin system in platelets. Onji T, et al. **Biochim Biophys Acta** 1987 Apr 8;912(2):283–6

BIOSYNTHESIS

Synthesis and secretion of serum gelsolin by smooth muscle tissue. Nodes BR, et al. **J Biol Chem** 1987 Apr 15; 262(11):5422–7
Changes in villin synthesis and subcellular distribution during intestinal differentiation of HT29-18 clones. Dudouet B, et al. **J Cell Biol** 1987 Jul;105(1):359–69
Expression of peptides and transmitters in neurons and expression of filament proteins in astrocytes in fetal cerebral cortical transplants to adult spinal cord. Connor JR, et al. **Prog Brain Res** 1987;71:359–71

BLOOD

Effects of serum vitamin-D-binding protein on actin in the

presence of plasma gelsolin. Coué M, et al. **Eur J Biochem** 1986 Oct 15;160(2):273–7
Plasma–gelsolin–binding sites on the actin sequence. Doi Y, et al. **Eur J Biochem** 1987 Apr 1;164(1):89–94
Binding of pig plasma gelsolin to F-actin and partial fractionation into calcium–dependent and calcium–independent forms. Pope B, et al. **Eur J Biochem** 1986 Nov 17;161(1):85–93
Effect of tropomyosin on the interactions of actin with actin–binding proteins isolated from pig platelets. Prulière G, et al. **Eur J Biochem** 1986 Sep 15;159(3):535–47
Preparation and characterization of pig plasma and platelet gelsolins. Weeds AG, et al. **Eur J Biochem** 1986 Nov 17; 161(1):69–76
Interactions of pig plasma gelsolin with G–actin. Weeds AG, et al. **Eur J Biochem** 1986 Nov 17;161(1):77–84
Reversible binding of actin to gelsolin and profilin in human platelet extracts. Lind SE, et al. **J Cell Biol** 1987 Aug; 105(2):833–42
Quantitative measurement of plasma gelsolin and its incorporation into fibrin clots. Smith DB, et al. **J Lab Clin Med** 1987 Aug;110(2):189–95

GENETICS

cDNA cloning, sequencing and chromosome mapping of a non–erythroid spectrin, human alpha–fodrin. McMahon AP, et al. **Differentiation** 1987;34(1):68–78
A human villin cDNA clone to investigate the differentiation of intestinal and kidney cells in vivo and in culture. Pringault E, et al. **EMBO J** 1986 Dec 1;5(12):3119–24
Changes in the expression of alpha–fodrin during embryonic development of Xenopus laevis. Giebelhaus DH, et al. **J Cell Biol** 1987 Aug;105(2):843–53
Plasma and cytoplasmic gelsolins are encoded by a single gene and contain a duplicated actin–binding domain. Kwiatkowski DJ, et al. **Nature** 1986 Oct 2–8; 323(6087):455–8

IMMUNOLOGY

Antifilamin, antivinculin, and antitropomyosin antibodies in myasthenia gravis. Yamamoto T, et al. **Neurology** 1987 Aug;37(8):1329–33

ISOLATION & PURIFICATION

Identification of a fodrin–like protein in rat liver basolateral membranes. Amrein–Gloor M, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1033–7
Isolation and characterization of three forms of 36–kDa Ca2+–dependent actin– and phospholipid–binding proteins from human placenta membrane. Hayashi H, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):912–9
Further characterization of a fodrin–containing transmembrane complex from mouse T–lymphoma cells. Suchard SJ, et al. **Biochim Biophys Acta** 1987 Jan 9; 896(1):35–46
Actin–associated proteins related to focal and close cell–substrate contacts in murine fibroblasts. Izzard SL, et al. **Exp Cell Res** 1987 May;170(1):214–27
Purification and characterization of an ATP–sensitive actin gelation protein from Acanthamoeba castellanii. Albanesi JP, et al. **J Biol Chem** 1987 Mar 5;262(7):3404–8
Purification of the intestinal microvillus cytoskeletal proteins villin, fimbrin, and ezrin. Bretscher A. **Methods Enzymol** 1986;134:24–37
Purification of severin. Brown SS. **Methods Enzymol** 1986; 134:9–13
Purification of fodrin from mammalian brain. Cheney R, et al. **Methods Enzymol** 1986;134:42–54
Preparation and assay of cytoplasmic and secreted gelsolin. Yin HL. **Methods Enzymol** 1986;134:3–9
[Study of a protein complex from the brain which reduces actin viscosity. I. Composition and various properties of the complex] Verkhovskiĭ AB, et al. **Mol Biol (Mosk)** 1986 Jul–Aug;20(4):922–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Kinetics of actin elongation and depolymerization at the pointed end. Weber A, et al. **Biochemistry** 1987 May 5; 26(9):2537–44
Nucleation of actin polymerization by villin and elongation at subcritical monomer concentration. Weber A, et al. **Biochemistry** 1987 May 5;26(9):2528–36
Immunocytochemical localisation of gelsolin in oligodendroglia of the developing rabbit central nervous system. Legrand C, et al. **Brain Res** 1986 Dec;395(2):231–5
Translocations of fodrin and its binding proteins. Willard M, et al. **Brain Res Bull** 1987 Jun;18(6):817–24
The role of tropomyosin in the interactions of F–actin with caldesmon and actin–binding protein (or filamin). Nomura M, et al. **Eur J Biochem** 1987 Mar 16;163(3):467–71
Rate constants and equilibrium constants for binding of the gelsolin–actin complex to the barbed ends of actin filaments in the presence and absence of calcium. Selve N, et al. **Eur J Biochem** 1986 Oct 15;160(2):379–87
Phenothiazine binding by a homolog of calpactin, the pp60src tyrosine kinase substrate. Carraway KL 3d, et al. **FASEB J** 1987 Jul;1(1):46–50
A novel 60–kDa smooth muscle protein that binds filamin–actin filament complex. Maekawa S, et al. **FEBS Lett** 1987 Aug 31;221(1):68–72
Polyphosphoinositide micelles and polyphosphoinositide–containing vesicles dissociate endogenous gelsolin–actin complexes and promote actin assembly from the fast–growing end of actin filaments blocked by gelsolin. Janmey PA, et al. **J Biol Chem** 1987 Sep 5;262(25):12228–36
Further characterization of a conserved actin–binding 27–kDa fragment of actinogelin and alpha–actinins and mapping of their binding sites on the actin molecule by chemical cross–linking. Mimura N, et al. **J Biol Chem** 1987 Apr 5;262(10):4717–23
Tropomyosin distinguishes between the two actin–binding sites of villin and affects actin–binding properties of other brush border proteins. Burgess DR, et al. **J Cell Biol** 1987 Jan;104(1):29–40
The actin filament–severing domain of plasma gelsolin. Chaponnier C, et al. **J Cell Biol** 1986 Oct;103(4):1473–81
Modulation of fodrin (membrane skeleton) stability by cell–cell contact in Madin–Darby canine kidney epithelial cells. Nelson WJ, et al. **J Cell Biol** 1987 Jun;104(6):1527–37

PHARMACODYNAMICS

Gelsolin inhibits nucleotide exchange from actin. Tellam RL. **Biochemistry** 1986 Sep 23;25(19):5799–804
Ca2+– and calmodulin–dependent stimulation of smooth muscle actomyosin Mg2+–ATPase by fodrin. Wang CY, et al. **Biochemistry** 1987 Feb 24;26(4):1110–7
Differential response of stress fibers and myofibrils to gelsolin. Sanger JM, et al. **Eur J Cell Biol** 1987 Jun; 43(3):421–8
Microinjection of gelsolin into living cells. Cooper JA, et al. **J Cell Biol** 1987 Mar;104(3):491–501
[Study of a protein complex from the brain which reduces actin viscosity. II. The complex inhibits elongation of actin filaments at the end preferable for polymerization and fragments the filaments] Verkhovskiĭ AB, et al. **Mol Biol (Mosk)** 1986 Jul–Aug;20(4):929–35 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Nonmuscle actin–binding proteins. Stossel TP, et al. **Annu Rev Cell Biol** 1985;1:353–402 (285 ref.)
Muscle protein isoforms and physiological function: role of nerve in gene expression. Perry SV, et al. **Biochem Soc Symp** 1984;49:137–47 (43 ref.)
Dynamics of membrane–skeleton (fodrin) organization during development of polarity in Madin–Darby canine kidney epithelial cells. Nelson WJ, et al. **J Cell Biol** 1986 Nov; 103(5):1751–65
Reversibility of gelsolin/actin interaction in macrophages. Evidence of Ca2+–dependent and Ca2+–independent pathways. Chaponnier C, et al. **J Exp Med** 1987 Jan 1; 165(1):97–106
Cytoskeleton: role of fodrin in secretion [news] Burgoyne RD, et al. **Nature** 1987 Apr 2–8;326(6112):448
Modulation of gelsolin function by phosphatidylinositol 4,5–bisphosphate. Janmey PA, et al. **Nature** 1987 Jan 22–28; 325(6102):362–4
Anti–alpha–fodrin inhibits secretion from permeabilized chromaffin cells. Perrin D, et al. **Nature** 1987 Apr 2–8; 326(6112):498–501
Actin–severing activity copurifies with phosphofructokinase. Füchtbauer A, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(24):9502–6
[Fodrin--a high–molecular–weight cytoskeletal protein in brain] Shimo–Oka T. **Tanpakushitsu Kakusan Koso** 1986 Nov;31(14):1536–47 (43 ref.) **(Jpn)**

MICROFILAMENTS see under **CYTOSKELETON**

MICROFILARIA see under **FILARIOIDEA**

MICROFILMING

METHODS

A photomicrographic technique for measuring the activity of Amoeba populations. Couillard P, et al. **J Biol Photogr** 1986 Oct;54(4):118–20

MICROFLUOROMETRY see **CYTOPHOTOMETRY**

MICROFLUOROMETRY, FLOW see **FLOW CYTOMETRY**

MICROGNATHISM

CHEMICALLY INDUCED

Morphogenesis of isotretinoin–induced microcephaly and micrognathia studied by scanning electron microscopy. Irving DW, et al. **Teratology** 1986 Oct;34(2):141–53

COMPLICATIONS

Obstructive sleep apnea caused by hemarthrosis–induced micrognathia. Pollak PT, et al. **Eur J Respir Dis** 1987 Feb; 70(2):117–21
Bilateral congenital absence of the flexor pollicis longus with craniofacial abnormalities. Usami F. **J Hand Surg [Am]** 1987 Jul;12(4):603–4

DIAGNOSIS

[Cerebro–costo–mandibular syndrome without cerebral involvement in a 4–year–old boy] Meinecke P, et al. **Monatsschr Kinderheilkd** 1987 Jan;135(1):54–8 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Dysphagia and micrognathia in a patient with juvenile rheumatoid arthritis. Lindqvist C, et al. **Clin Rheumatol** 1986 Sep;5(3):410–5

FAMILIAL & GENETIC

Apparently new autosomal recessive syndrome of mental retardation, distal limb deficiencies, oral involvement, and possible renal defect. Buttiens M, et al. **Am J Med Genet** 1987 Jul;27(3):651–60
The Gardner–Silengo–Wachtel or genito–palato–cardiac syndrome: male pseudohermaphroditism with micrognathia, cleft palate, and conotruncal cardiac defect. Greenberg F, et al. **Am J Med Genet** 1987 Jan;26(1):59–64
Microcephaly, micrognathia, and bird–headed dwarfism: prenatal diagnosis of a Seckel–like syndrome. Majoor–Krakauer DF, et al. **Am J Med Genet** 1987 May; 27(1):183–8
Autosomal dominant cerebro–costo–mandibular syndrome: ultrasonographic and clinical findings. Merlob P, et al. **Am J Med Genet** 1987 Jan;26(1):195–202

PHYSIOPATHOLOGY

Control of respiratory activity of the genioglossus muscle in micrognathic infants. Roberts JL, et al. **J Appl Physiol** 1986 Oct;61(4):1523–33

THERAPY

[Management of micrognathism with the modified quad–helix appliance] Radóczy B, et al. **Fogorv Sz** 1986 Sep; 79(9):267–70 (Eng. Abstr.) **(Hun)**

MICROINJECTIONS

INSTRUMENTATION

Micropipette holders: vented types are preferable to closed types. Raynauld JP, et al. **J Neurosci Methods** 1987 Mar; 19(3):243–7
[Device for microinjection of fluids] Kravchenko VF, et al. **Zh Vyssh Nerv Deiat** 1987 Mar–Apr;37(2):384–5 **(Rus)**

METHODS

Direct microinjection of substances in penetration–sensitive embryos. Kühtreiber WM, et al. **Differentiation** 1987; 34(2):156–9

MICROMANIPULATION

INSTRUMENTATION

A stepper motor–driven microelectrode positioner. Schmid K, et al. **J Neurosci Methods** 1987 Mar;19(3):235–42
An endoscopic micromanipulator for multiplanar transesophageal imaging. Martin RW, et al. **Ultrasound Med Biol** 1986 Dec;12(12):965–75
[A simple manipulator for inserting microelectrodes into the brains of the freely moving rat] Shutov AP, et al. **Fiziol Zh SSSR** 1986 Nov;72(11):1578–82 **(Rus)**

MICROMONOSPORA

CLASSIFICATION

[The genus Micromonospora: its taxonomic position, antibiotic formation and methods for the targeted search for antibiotics] Bibikova MV, et al. **Antibiot Med Biotekhnol** 1986 Sep;31(9):702–12 (114 ref.) **(Rus)**

GROWTH & DEVELOPMENT

K–13, a novel inhibitor of angiotensin I converting enzyme produced by Micromonospora halophytica subsp. exilisia. I. Fermentation, isolation and biological properties. Kase H, et al. **J Antibiot (Tokyo)** 1987 Apr;40(4):450–4
Changes in penicillin–binding proteins during the life cycle of Micromonospora. Cheng YR, et al. **Microbiologica** 1987 Apr;10(2):229–34

IMMUNOLOGY

[Immunization of bagasse workers in Réunion] Boiron P, et al. **Bull Soc Pathol Exot Filiales** 1987;80(3):340–8 (Eng. Abstr.) **(Fre)**

METABOLISM

Clostomicins, new antibiotics produced by Micromonospora echinospora subsp. armeniaca subsp. nov. I. Production, isolation, and physico–chemical and biological properties. Omura S, et al. **J Antibiot (Tokyo)** 1986 Oct;39(10):1407–12
Clostomicins, new antibiotics produced by Micromonospora echinospora subsp. armeniaca subsp. nov. II. Taxonomic study of the producing microorganism. Takahashi Y, et al. **J Antibiot (Tokyo)** 1986 Oct;39(10):1413–8

[A new subspecies of Micromonospora genus producing aminoglycoside antibiotics] Zhu JP, et al. **Wei Sheng Wu Hsueh Pao** 1987 Jun;27(2):181–5 (Eng. Abstr.) **(Chi)**

PHYSIOLOGY

[Interaction of nonactivated alveolar macrophages with thermoactinomyces vulgaris in vitro] Xing Z, et al. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Dec;15(4):285–8 **(Chi)**

MICROMONOSPORACEAE

ANALYSIS

Chloropolysporins A, B and C, novel glycopeptide antibiotics from Faenia interjecta sp. nov. I. Taxonomy of producing organism. Okazaki T, et al. **J Antibiot (Tokyo)** 1987 Jul; 40(7):917–23

Chloropolysporins A, B and C, novel glycopeptide antibiotics from Faenia interjecta sp. nov. V. Comparative studies of the biological properties. Takatsu T, et al. **J Antibiot (Tokyo)** 1987 Jul;40(7):946–52

Chloropolysporins A, B and C, novel glycopeptide antibiotics from Faenia interjecta sp. nov. IV. Partially deglycosylated derivatives. Takatsu T, et al. **J Antibiot (Tokyo)** 1987 Jul; 40(7):941–5

Chloropolysporins A, B and C, novel glycopeptide antibiotics from Faenia interjecta sp. nov. III. Structure elucidation of chloropolysporins. Takatsu T, et al. **J Antibiot (Tokyo)** 1987 Jul;40(7):933–40

Chloropolysporins A, B and C, novel glycopeptide antibiotics from Faenia interjecta sp. nov. II. Fermentation, isolation and physico-chemical characterization. Takatsu T, et al. **J Antibiot (Tokyo)** 1987 Jul;40(7):924–32

IMMUNOLOGY

Detection of relevant farmer's lung antigens by using immunoblots of two-dimensional electrophoresis. Kurup VP. **Diagn Clin Immunol** 1987;5(1):25–9

Micropolyspora faeni causes airway inflammation but not hyperresponsiveness in sensitized ponies. Derksen FJ, et al. **J Appl Physiol** 1987 Apr;62(4):1398–404

Circulating IgG antibodies against fungal and actinomycete antigens in the sera of farmer's lung patients from different countries. Kurup VP, et al. **Mycopathologia** 1987 May; 98(2):91–9

PATHOGENICITY

A partially purified antigen from Faenia rectivirgula in the diagnosis of farmer's lung disease. Ramasamy M, et al. **Microbios** 1987;49(200–201):171–82

MICROPHTHALMOS

Cerebro-oculo-facio-skeletal syndrome. Insler MS. **Ann Ophthalmol** 1987 Feb;19(2):54–5

Oculodento-osseous syndrome in a newborn infant. Pardo JM. **IMJ** 1987 Aug;172(2):101–2

CHEMICALLY INDUCED

Retinopathy of prematurity-like fundus and persistent hyperplastic primary vitreous associated with maternal cocaine use. Teske MP, et al. **Am J Ophthalmol** 1987 May 15;103(5):719–20

COMPLICATIONS

Bilateral microphthalmos with cyst and 13q deletion syndrome. Case report. Weiss A, et al. **Arch Ophthalmol** 1987 Jan;105(1):29

[Nanophthalmos] Yuan SY. **Chung Hua Yen Ko Tsa Chih** 1986 Jul;22(4):207–10 (Eng. Abstr.) **(Chi)**

[Orbital tumors caused by colobomatous cyst with microphthalmos] Castier P, et al. **Bull Soc Ophtalmol Fr** 1986 Feb;86(2):145–6, 148 (Eng. Abstr.) **(Fre)**

[Congenital cataract, microphthalmos and pigmented pseudoretinopathy] Nicu C. **Rev Chir [Oftalmol]** 1987 Jan–Mar;31(1):67–71 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

Bilateral microphthalmos with orbital cysts: MR findings. Wright DC, et al. **J Comput Assist Tomogr** 1987 Jul–Aug; 11(4):727–9

EMBRYOLOGY

[The critical period in microphthalmia in experiments] Sosna T, et al. **Cesk Oftalmol** 1986 Sep;42(5):365–74 (Eng. Abstr.) **(Cze)**

FAMILIAL & GENETIC

Retinal degeneration with nanophthalmos, cystic macular degeneration, and angle closure glaucoma. A new recessive syndrome. MacKay CJ, et al. **Arch Ophthalmol** 1987 Mar; 105(3):366–71

Ocular abnormalities accompanying chromosome 13 defects [letter] Raizman MB. **Arch Ophthalmol** 1987 Jun;105(6):744

Corneal involvement in autosomal dominant coloboma/microphthalmos. Pearce WG. **Can J Ophthalmol** 1986 Dec;21(7):291–4

Microcephaly, microphthalmos, and retinal folds: report of a family. Young ID, et al. **J Med Genet** 1987 Mar; 24(3):172–4

PATHOLOGY

Extraocular muscles in the microphthalmic rat. Tanaka K, et al. **Anat Rec** 1987 May;218(1):14–9

Organization of the dorsal lateral geniculate nucleus in a cat with congenital microphthalmia. Robson JA. **Brain Res** 1987 May;430(1):81–92

Neurons of the ventral lateral geniculate nucleus of the hereditary microphthalmic rat: a Golgi study. Sugita S, et al. **Exp Neurol** 1987 Feb;95(2):511–5

Quantitative analysis of the oculomotor nuclei in the mutant microphthalmic rat. Tanaka K, et al. **Exp Neurol** 1987 Feb; 95(2):472–81

Uncrossed retinal projection to the medial terminal nucleus of the accessory optic system in the hereditary unilaterally microphthalmic rat. Tokunaga A, et al. **Exp Neurol** 1987 Feb;95(2):516–20

Uncrossed retino-geniculate and retino-tectal projections in the hereditary unilaterally microphthalmic rats. Tokunaga A, et al. **Neurosci Res** 1987 Feb;4(3):195–210

[The microphthalmic 944 strain of mice as a model for ontogenesis studies of the visual system. Volumetric and Golgi studies on the lateral geniculate body in the pars dorsalis] Hilbig H, et al. **J Hirnforsch** 1986;27(5):471–84 (Eng. Abstr.) **(Ger)**

[Thalamic projection of the visual cortex in healthy and microphthalmic mice] Schober W. **Z Mikrosk Anat Forsch** 1986;100(4):619–27 (Eng. Abstr.) **(Ger)**

[Congenital cataract, iris hypoplasia and microphthalmos] Enache D. **Rev Chir [Oftalmol]** 1986 Oct–Dec;30(4):295–8 (Eng. Abstr.) **(Rum)**

[Corectopia, microphthalmos and facial hemiatrophy] Manea E. **Rev Chir [Oftalmol]** 1986 Oct–Dec;30(4):291–4 (Eng. Abstr.) **(Rum)**

PHYSIOPATHOLOGY

Geniculotectal neurons of the lateral part of the ventral lateral geniculate nucleus in the hereditary microphthalmic rat: a retrograde WGA-HRP study. Sugita S, et al. **Exp Neurol** 1986 Oct;94(1):174–83

Anomalous optic nerve fiber convergences in the ipsilateral retinocollicular projection: a comparison of congenitally monocular and neonatally one-eye-removed rats. Uno H, et al. **Exp Neurol** 1987 May;96(2):462–8

SURGERY

Nanophthalmic eyes and neodymium-YAG laser iridectomies [letter] Singh OS, et al. **Arch Ophthalmol** 1987 Apr;105(4):455–6

Macrocystic enlargement of orbital dermis-fat grafts. Patrinely JR, et al. **Ophthalmic Surg** 1987 Jul;18(7):498–502

THERAPY

Corneal transplantation in microphthalmic eyes. Feldman ST, et al. **Am J Ophthalmol** 1987 Aug 15;104(2):164–7

VETERINARY

Internal hydrocephalus, optic nerve aplasia, and microphthalmia in CPB-WE (Wezob) and Cpb:WU (Wistar) rats. Van Eden CG, et al. **Lab Anim** 1986 Jul; 20(3):257–65

MICROPORE FILTERS

Quantitation of macromolecular binding using size exclusion filters: application to a fucosyltransferase assay. Cardullo RA, et al. **Anal Biochem** 1987 Feb 15;161(1):57–63

Comparative efficiency of Nuclepore filters of various pore sizes as used in digestion studies of tissue. O'Sullivan MF, et al. **Environ Res** 1987 Jun;43(1):97–103

[Isolation by binding to ultrafiltration membranes of a testicular factor limiting the number of germ cells in fetal ovary of rats in vitro] Prépin J, et al. **C R Acad Sci [III]** 1986;303(4):123–6 (Eng. Abstr.) **(Fre)**

MICRORADIOGRAPHY

A machine for sawing 80-micrometer slices of carious enamel. Borsboom PC, et al. **Stain Technol** 1987 Mar; 62(2):119–25

[Microradiographic analysis of bone opacities of metastatic origin] Dhem A, et al. **Ann Radiol (Paris)** 1987;30(1):42–6 (Eng. Abstr.) **(Fre)**

[Microangiographic research on revascularization in the fracture model of the canine tibia] Kagel KO, et al. **ROFO** 1987 Mar;146(3):305–11 (Eng. Abstr.) **(Ger)**

METHODS

Microradiography: a theoretical basis and practical applications. Conlogue GJ, et al. **Radiol Technol** 1987 Mar–Apr;58(4):301–9

MICROSCOPY

Argon photocoagulation through the operating microscope. Teske MP, et al. **Am J Ophthalmol** 1986 Nov 15; 102(5):666–7

Quantitative microscopy and index formulation in continuous pathologic lesions. Mariuzzi GM, et al. **Appl Pathol** 1986; 4(1–2):43–7

Operational performance of the travelling microscope in the measurement of dental casts. Bhatia SN, et al. **Br J Orthod** 1987 Jul;14(3):147–53

Automated microscopic image analysis—a method for improved classification of malignant tumours and their preceding stages. Simon H, et al. **Exp Pathol** 1987; 31(2):113–6

A new method for obtaining biomicroscopic photographs of the vitreous. Okubo A, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(2):85–8

Microscopic evaluation slides from toxicity and carcinogenicity studies [letter] Prasse K, et al. **Toxicol Pathol** 1986;14(2):274–5

[Differentiation of the microscopic image using microcomputers] Kopáč J. **Cas Lek Cesk** 1987 May 29; 126(22):691–2 (Eng. Abstr.) **(Cze)**

[Special stresses at microscopy work places] Krueger H, et al. **Soz Praventivmed** 1986;31(4–5):250–1 (Eng. Abstr.) **(Ger)**

[Validity and limitations of the urinary sediment test today] Cappelletti P. **G Clin Med** 1987 Apr;68(4):229–34 **(Ita)**

[Capillaroscopic and clinical correlations in chronic occupational radiodermatitis] Petruzzellis V, et al. **G Ital Med Lav** 1985 Sep–Nov;7(5–6):231–5 (Eng. Abstr.) **(Ita)**

ECONOMICS

Can the cost savings of eliminating urine microscopy in biochemically negative urines be extended to the pediatric population? Hamoudi AC, et al. **Am J Clin Pathol** 1986 Nov;86(5):658–60

HISTORY

Microscopy and the Army Medical Museum. Nöe A, et al. **Caduceus** 1986 Summer;2(2):1–56

INSTRUMENTATION

Radiation of the fiberoptic illuminator of an operating microscope. Aarnisalo E. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):397–400

Microscopes and ocular infections. Olcerst RB. **Am Ind Hyg Assoc J** 1987 May;48(5):425–31

Telepathology and the networking of pathology diagnostic services. Weinstein RS, et al. **Arch Pathol Lab Med** 1987 Jul;111(7):646–52

Video microscopy of colloidal gold particles and immuno-gold labelled microtubules in improved rectified DIC and epi-illumination. Bajer AS, et al. **Cell Struct Funct** 1986 Sep;11(3):317–30

A personal computer-based temperature control system for cryomicroscopy. Shah SJ, et al. **Cryobiology** 1987 Apr; 24(2):163–8

A versatile intravital microscope design. Ley K, et al. **Int J Microcirc Clin Exp** 1987;6(2):161–7

Indirect biomicroscopy techniques [letter] Barker FM. **J Am Optom Assoc** 1987 Apr;58(4):286–7

Videotape recording system for use with the slit lamp biomicroscope. Robboy MW, et al. **J Am Optom Assoc** 1987 Apr;58(4):290–2

Computer-aided pattern representation of microscope pictures with the mosaic grid. Schön M. **J Hirnforsch** 1986; 27(4):401–8

Ultrasonic assessment of skin and wounds with the scanning laser acoustic microscope. Olerud JE, et al. **J Invest Dermatol** 1987 May;88(5):615–23

Construction of an optical bench microscope for intravital studies. Barber BJ, et al. **Microvasc Res** 1987 May; 33(3):433–6

Repair of hypospadias using new mouth-controlled microscope. Wacksman J. **Urology** 1987 Mar;29(3):276–8

[Optics of surgical microscopes] Reiner J. **Klin Monatsbl Augenheilkd** 1986 Jul;189(1):69–72 (Eng. Abstr.) **(Ger)**

[Videomicrography—a possibility for the objective determination of the motility of bull sperm] Riemke P, et al. **Zentralbl Veterinarmed [A]** 1986 Sep;33(7):541–50 (Eng. Abstr.) **(Ger)**

[Chamber for studying translucent anatomic preparations under an MBC microscope in transmitted light] Sapin MR, et al. **Arkh Anat Gistol Embriol** 1987 May;92(5):67–8 **(Rus)**

[Surgical ophthalmological microscope with a supporting device for surgeon's hands] Vialykh VA. **Voen Med Zh** 1987 Feb;(2):69 **(Rus)**

[A simple method for measuring the thickness of cutaneous melanomas] Piva AE, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1985;43(2):35–6 (Eng. Abstr.) **(Spa)**

METHODS

Yellow IRIS urinalysis workstation. Results not corrected [letter] Koontz AE, et al. **Am J Clin Pathol** 1987 Sep; 88(3):395–7

Incidence, risk factors, and morphology in operating microscope light retinopathy. Khwarg SG, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 1):255–63
Recent advances in electron and light optical imaging in biology and medicine. **Ann NY Acad Sci** 1986;483:1–472
Applications of tandem scanning reflected light microscopy and three-dimensional imaging. Boyde A. **Ann NY Acad Sci** 1986;483:428–39
Computer-aided stereoscopic video reconstruction and serial display from high-resolution light-microscope optical sections. Inoué S, et al. **Ann NY Acad Sci** 1986;483:392–404
Light microscopy—a modern renaissance. Webb WW. **Ann NY Acad Sci** 1986;483:387–91
Video time-lapse microscopy of human laryngeal carcinomas in vitro. Wang H, et al. **Clin Otolaryngol** 1986 Oct; 11(5):337–43
Identification of cellular and subcellular features by means of digital microscopy. Gualtieri P, et al. **Int J Biomed Comput** 1987 Jan;20(1–2):79–86
Indirect biomicroscopy techniques. Cavallerano A, et al. **J Am Optom Assoc** 1986 Oct;57(10):755–8
90 D Volk fundus lens. Eger AR. **J Am Optom Assoc** 1986 Oct;57(10):784–5
False results associated with darkground microscopy of subgingival plaque. Omar AA, et al. **J Clin Periodontol** 1986 Oct;13(9):814–24
Section thickness terminology: a source of confusion in microscopy [letter] Bowser SS, et al. **J Microsc** 1986 Sep; 143 (Pt 3):319–21
Colour-coded stereo images from the tandem scanning reflected light microscope (TSRLM). Boyde A. **J Microsc** 1987 May;146 (Pt 2):137–42
A rapid and simple technique for correlating light microscopy, transmission and scanning electron microscopy of fixed tissues in Epon blocks. Cajander SB. **J Microsc** 1986 Sep;143 (Pt 3):265–74
Particle number can be estimated using a disector of unknown thickness: the selector. Cruz-Orive LM. **J Microsc** 1987 Feb;145 (Pt 2):121–42
Computer automated cell size and shape analysis in cryomicroscopy. Diller KR, et al. **J Microsc** 1987 May;146 (Pt 2):209–19
Post-embedding cytochemistry with gold-labelled reagents: a review. Roth J. **J Microsc** 1986 Aug;143 (Pt 2):125–37 (64 ref.)
Morphological optics. Serra J. **J Microsc** 1987 Jan;145 (Pt 1):1–22
Techniques for combining light microscopy and scanning electron microscopy: a survey of the literature. Wouters CH. **J Microsc** 1987 Jul;147 (Pt 1):5–14 (75 ref.)
A computer-assisted video technique for preparing high resolution pictures and stereograms from thick specimens. Tieman DG, et al. **J Neurosci Methods** 1986 Sep; 17(4):231–45
A frameless stereotaxic integration of computerized tomographic imaging and the operating microscope. Roberts DW, et al. **J Neurosurg** 1986 Oct;65(4):545–9
Stereomicroscopic examination of kidney tissue. A method for rapid identification of renal cortex in biopsy specimen [letter] Saxena S, et al. **Nephron** 1987;45(3):249
Depth distortion during slitlamp biomicroscopy of the fundus. Repka MX, et al. **Ophthalmology** 1986 Sep;93(9 Suppl):47–51
A new approach to the observation of the resist in X-ray contact microscopy. Shinohara K, et al. **Photochem Photobiol** 1986 Sep;44(3):401–3
Images of a lipid bilayer at molecular resolution by scanning tunneling microscopy. Smith DP, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):969–72
Some new methods for affixing sections to glass slides. I. Aqueous adhesives. Fink S. **Stain Technol** 1987 Jan; 62(1):27–33
Sectioning tough stems infiltrated with polyethylene glycol. Graham ET, et al. **Stain Technol** 1987 Jan;62(1):63–4
Haemorheology and dynamic capillary microscopy. Jacobs MJ, et al. **Vasa [Suppl]** 1987;18:28–31
[X-ray microscopy] Bru Villaseca L. **An R Acad Nac Med (Madr)** 1986;103(2):235–52 **(Spa)**

MICROSCOPY, ELECTRON

Dysplastic melanocytic nevus. Electron-microscopic observation as a diagnostic tool. Takahashi H, et al. **Am J Dermatopathol** 1987 Jun;9(3):189–97
Electron microscopic morphometry. Loud AV. **Anal Quant Cytol Histol** 1987 Mar;9(1):7–12
The extraction of three-dimensional information from stereo micrographs of thick sections using computer graphics methods. Peachey LD. **Ann NY Acad Sci** 1986;483:161–70
Diagnostic electron microscopy of tumors. **Clin Lab Med** 1987 Mar;7(1):1–266
Immunoelectron microscopic localization of HLA-DR antigen in control small intestine and colon and in inflammatory bowel disease. Hirata I, et al. **Dig Dis Sci** 1986 Dec;31(12):1317–30
Austrian-Hungarian Joint Conference on Electron Microscopy. Seqqau-Leibnitz, Austria, 21–23 May 1987. Abstracts. **Eur J Cell Biol [Suppl]** 1987;18:1–42
17th meeting of Polish cell biologists with proceedings of the Electron Microscopy Conference. Krakow, 13–14 September 1985. **Folia Histochem Cytobiol** 1986; 24(4):268–360
The formaldehyde-fixed and paraffin-embedded tissues for diagnostic transmission electron microscopy: a retrospective and prospective study. Wang NS, et al. **Hum Pathol** 1987 Jul;18(7):715–27
Electron microscopy 1986. Proceedings of the XIth International Congress on Electron Microscopy. Kyoto, Japan, August 31–September 7, 1986. Volume III, Biology (I). **J Electron Microsc (Tokyo)** 1986;35 Suppl 3:1793–2675
Electron microscopy 1986. Proceedings of the XIth International Congress on Electron Microscopy. Kyoto, Japan, August 31–September 7, 1986. Volume IV, Biology (II). **J Electron Microsc (Tokyo)** 1986;35 Suppl 4:2677–3608
Electron microscopy 1986. Proceedings of the XIth International Congress on Electron Microscopy. Kyoto, Japan, August 31–September 7, 1986. Volume I, Non-biology (I). **J Electron Microsc (Tokyo)** 1986;35 Suppl 1:1–887
Electron microscopy 1986. Proceedings of the XIth International Congress on Electron Microscopy. Kyoto, Japan, August 31–September 7, 1986. Volume II, HVEM & Non-biology (II). **J Electron Microsc (Tokyo)** 1986;35 Suppl 2:889–1792
Resolution in EM autoradiography V: 45Ca (and 33P). Salpeter MM, et al. **J Histochem Cytochem** 1987 Oct; 35(10):1047–51
Imaging unaltered cell structures with x-rays [news] Robinson AL. **Science** 1987 Aug 14;237(4816):723–4
Transmission electron microscopy of urinary sediment in renal disease. Mandal AK. **Semin Nephrol** 1986 Dec; 6(4):346–70
A technique for examining the same hair specimen by scanning and transmission electron microscopy. Burmeister V. **Stain Technol** 1986 Nov;61(6):377–8
Master index. Volumes 11–20. **Ultramicroscopy** 1986; 20(4):345–82
Atomic structure and properties of small particles. Arizona, USA, 7–11 January 1986. Papers. **Ultramicroscopy** 1986; 20(1–2):1–176
Electron microscopy: Tenth European Congress of Pathology, Athens, 1–7 September 1985. **Ultrastruct Pathol** 1986;10(5):387–461
Immunohistochemistry and diagnostic electron microscopy (UP 10(2)iii, 1986) [letter] **Ultrastruct Pathol** 1986; 10(5):463–5
[Detection of calf rotavirus in the Rotascreen latex test and electron microscopy—a comparative study] Herbst W, et al. **DTW** 1986 Jul 23;93(7):317–9 (Eng. Abstr.) **(Ger)**
[23d meeting of the German Society for Electron Microscopy including the 20th colloquium of the Study Groups for Electron Microscopy Direct Imaging and Analysis of Surfaces. Bremen, 13–19 September 1987. Abstracts] **Eur J Cell Biol [Suppl]** 1987;19:1–65 **(Ger)**
[Contribution of electron microscopy to the diagnosis of pulmonary carcinoma] Trevisani L, et al. **Recenti Prog Med** 1986 Nov;77(11):532–6 (Eng. Abstr.) **(Ita)**
[Evaluation of the results of the electron microscopic diagnosis of human tumors] Raĭkhlin NT, et al. **Vopr Onkol** 1987;33(7):16–20 **(Rus)**

ECONOMICS

Electron microscopy in surgical pathology [letter] Wolfson WL. **Hum Pathol** 1986 Sep;17(9):970

HISTORY

The early days of electron microscopy of nerve tissue and membranes. Robertson JD. **Int Rev Cytol** 1987;100:129–201 (241 ref.)

INSTRUMENTATION

A water filter for electron microscopes. Pokorný V. **Folia Morphol (Praha)** 1987;35(1):63–6
A probe for measuring an electromagnetic interference field. Pokorný V. **Folia Morphol (Praha)** 1986;34(4):416–8
The varifocal mirror for 3-D display of electron microscope tomography. Levy HA, et al. **J Microsc** 1987 Feb;145 (Pt 2):179–90
High-voltage electron microscopy in eye research. Experimental analysis of the retinal pigment epithelium and choriocapillaris. Korte GE, et al. **Ophthalmic Res** 1986; 18(6):321–6
[The lanthan-hexaboride (LaB6) cathode in electron microscopy] Novák M, et al. **Cesk Fysiol** 1987;36(2):147–54 **(Cze)**

METHODS

Rapid method to prepare mammalian oocytes and embryos for transmission electron microscopy. Hyttel P, et al. **Acta Anat (Basel)** 1987;129(1):12–4
Acetylation as a means of selectively blocking vicinal diols of carbohydrates in electron microscopy. Hirabayashi Y, et al. **Acta Histochem (Jena)** 1986;80(2):235–8
Simple devices for the preparation of specimens for scanning and transmission electron microscopy. Langbein L. **Acta Histochem (Jena)** 1987;81(2):239–42
Localization of calcium in vas deferens using 45Ca EM autoradiography: relationship to species and the effect of 45Ca removal. McGuffee LJ, et al. **Anat Rec** 1987 Apr; 217(4):321–7
Recent advances in electron and light optical imaging in biology and medicine. **Ann NY Acad Sci** 1986;483:1–472
Metal shadowing and decoration in electron microscopy of biological macromolecules. Baumeister W, et al. **Ann NY Acad Sci** 1986;483:57–76
Electron microscopic studies of chromosomal proteins. Beer M, et al. **Ann NY Acad Sci** 1986;483:140–8
Potential for high-resolution electron crystallography at intermediate high voltage. Chiu W, et al. **Ann NY Acad Sci** 1986;483:149–56
A new method for three-dimensional reconstruction of single macromolecules using low-dose electron micrographs. Frank J, et al. **Ann NY Acad Sci** 1986;483:77–87
Analytical electron microscopy in the study of biological systems. Johnson DE. **Ann NY Acad Sci** 1986;483:241–4
Quick-frozen microtubules studied by cryoelectron microscopy and image processing. Mandelkow E, et al. **Ann NY Acad Sci** 1986;483:13–23
Studies of eukaryotic flagella by cryoelectron microscopy. Murray JM. **Ann NY Acad Sci** 1986;483:24–30
Four-dimensional microscopy of Ascaris sperm motility. Pawley JB, et al. **Ann NY Acad Sci** 1986;483:171–80
The use of cryoelectron microscopy in elucidating molecular design and mechanisms. Unwin N. **Ann NY Acad Sci** 1986; 483:1–4
Silver enhancement of protein A–gold probes on resin-embedded ultrathin sections. An electron microscopic localization of mouse mammary tumor virus (MMTV) antigens. Marchetti A, et al. **Histochemistry** 1987; 86(4):371–3
Colloidal gold-labeled insulin complex. Characterization and binding to adipocytes. Moll UM, et al. **Histochemistry** 1986; 86(1):83–8
Applications of holographic interference electron microscopy to the observation of biological specimens. Kawasaki T, et al. **J Electron Microsc (Tokyo)** 1986; 35(3):211–4
An improved method for embedding with Quetol 651 and ERL 4206 for stereoscopic observation of thick sections under 400 kV transmission electron microscope. Kushida H, et al. **J Electron Microsc (Tokyo)** 1987;36(3):133–5
Effect of tissue processing on colloidal gold cytochemistry. Bendayan M, et al. **J Histochem Cytochem** 1987 Sep; 35(9):983–96
Pitfalls of immunogold labeling: analysis by light microscopy, transmission electron microscopy, and photoelectron microscopy. Birrell GB, et al. **J Histochem Cytochem** 1987 Aug;35(8):843–53
An artificial test substrate for evaluating electron microscopic immunocytochemical labeling reactions. Gagne GD, et al. **J Histochem Cytochem** 1987 Aug;35(8):909–16
In situ localization of cartilage extracellular matrix components by immunoelectron microscopy after cryotechnical tissue processing. Hunziker EB, et al. **J Histochem Cytochem** 1987 Jun;35(6):647–55
The efficiency of immunolabel on Lowicryl sections compared to theoretical predictions. Kellenberger E, et al. **J Histochem Cytochem** 1987 Sep;35(9):959–69
Quantitative immunoelectron microscopic localization of (Na+,K+)ATPase on rat exocrine pancreatic cells. Tanaka K, et al. **J Histochem Cytochem** 1987 Jun; 35(6):675–82
A rapid and simple technique for correlating light microscopy, transmission and scanning electron microscopy of fixed tissues in Epon blocks. Cajander SB. **J Microsc** 1986 Sep;143 (Pt 3):265–74
Beam induced mass loss in high resolution biological microanalysis. Cantino ME, et al. **J Microsc** 1986 Dec;144 (Pt 3):317–27
Restoration of direct Fourier three-dimensional reconstructions of crystalline specimens by the method of convex projections. Carazo JM, et al. **J Microsc** 1987 Feb; 145 (Pt 2):159–77
Visualization of biological specimens by cryoHVEM. Fotino M. **J Microsc** 1986 Sep;143 (Pt 3):283–98
Stereology of arbitrary particles. A review of unbiased number and size estimators and the presentation of some new ones, in memory of William R. Thompson. Gundersen HJ. **J Microsc** 1986 Jul;143 (Pt 1):3–45
Quantitative electron microscope autoradiography: application of multipie linear regression analysis. Markov DV. **J Microsc** 1986 Oct;144 (Pt 1):83–104
A useful low temperature method for post-embedding electron immunocytochemistry in routine histopathology. McPhail GD, et al. **J Pathol** 1987 Mar;151(3):231–8
Improved transmission electron microscopy (TEM) of cultured cells through a "floating sheet" method.Arnold JR, et al. **J Ultrastruct Mol Struct Res** 1986 Jan;94(1):30–6
A comparison of negatively stained electron micrographs and projections obtained from single crystal X-ray studies: the lipovitellin complex from lamprey. Raag R, et al. **J Ultrastruct Mol Struct Res** 1986 Jan;94(1):77–84
Electron microscopy of vitrified-hydrated La Crosse virus. Talmon Y, et al. **J Virol** 1987 Jul;61(7):2319–21
Specific methods for electron immunohistochemistry. Amenta PS, et al. **Methods Enzymol** 1987;145:133–48
Methods for electron immunohistochemistry. Martinez-Hernandez A. **Methods Enzymol** 1987;145:103–33
Resinless section electron microscopy of HeLa cell mitotic architecture. Wagner B, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):8996–9000
Contributions of electron microscopic spreading preparations ("Miller spreads") to the analysis of chromosome structure.

Scheer U. **Results Probl Cell Differ** 1987;14:147–71 (169 ref.)

Freeze-dried embedded specimens for biological microanalysis. Edelmann L. **Scan Electron Microsc** 1986; (Pt 4):1337–56

Electron energy loss spectroscopy and biology. Jeanguillaume C. **Scanning Microsc** 1987 Jun;1(2):437–50

A small gold-conjugated antibody label: improved resolution for electron microscopy. Hainfeld JF. **Science** 1987 Apr 24;236(4800):450–3

The use of slotted grids for electron microscopic radioautography. Kopriwa BM. **Stain Technol** 1987 Jul; 62(4):227–9

Identification of the position of selected cells in large sections of oriented material following electron microscopy. Murray AB, et al. **Stain Technol** 1986 Nov;61(6):375–6

An improved negative staining technique using a thin quartz membrane as sample support. Stenberg M, et al. **Stain Technol** 1987 Jul;62(4):231–6

Film coating on single-slot grids for high voltage electron microscopy of serial thick sections. Tsukamoto Y. **Stain Technol** 1987 Jul;62(4):274–6

Stabilization of silver chromate Golgi impregnation in rat central nervous system neurons using photographic developers. II. Electron microscopy. Wouterlood FG, et al. **Stain Technol** 1987 Jan;62(1):7–21

Methods for specimen thickness determination in electron microscopy. II. Changes in thickness with dose. Berriman J, et al. **Ultramicroscopy** 1986;19(4):349–66

High spatial resolution analysis using parallel detection eels. Disko MM, et al. **Ultramicroscopy** 1986;20(1–2):43–9

An algorithm for straightening images of curved filamentous structures. Egelman EH. **Ultramicroscopy** 1986; 19(4):367–73

A simple staining method for chromatin in electron microscopy compatible with serial sectioning. Esquivel C, et al. **Ultramicroscopy** 1987;21(1):103–9

Steady progress, special issues, familiar proceedings. Hawkes PW. **Ultramicroscopy** 1986;19(3):303–9 (36 ref.)

Criteria for the comparison of electron microscopical 3D reconstructions of individual particles. Hoppe W, et al. **Ultramicroscopy** 1986;20(3):217–37

Electron-irradiation-induced flattening of negatively stained 2D protein crystals. Jésior JC, et al. **Ultramicroscopy** 1987; 21(4):313–9

Odd men out: a quantitative objective procedure for identifying anomalous members of a set of noisy images of ostensibly identical specimens. Unser M, et al. **Ultramicroscopy** 1986;19(4):337–47

A simple procedure for reducing sampling problems in the transmission electron microscope diagnosis of human tumors. Eyden BP. **Ultrastruct Pathol** 1987;11(4):449–53

[Immunoelectron microscopy. Diagnostic value in dermatology] Prost C. **Ann Dermatol Venereol** 1987; 114(3):431–7 **(Fre)**

[Improved fixation of cilia of the respiratory epithelium for transmission electron microscopy] Mráz P, et al. **Bratisl Lek Listy** 1986 Nov;86(5):455–60 (Eng. Abstr.) **(Slo)**

STANDARDS

The usefulness of the high voltage electron microscope in biomedical ultrastructure analysis. Parsons DF. **Ann NY Acad Sci** 1986;483:157–60

TRENDS

Recent advances in cryoelectron microscopy. Zeitler E, et al. **Ann NY Acad Sci** 1986;483:5–12

MICROSCOPY, ELECTRON, SCANNING

Electron microscopic approaches to environmental toxicity. Réz G. **Acta Biol Hung** 1986;37(1):31–45

Capillary sprouts in ovaries of immature superstimulated golden hamsters: a SEM study of microcorrosion casts. Spanel-Borowski K, et al. **Anat Embryol (Berl)** 1987; 176(3):387–91

Microanalysis with a soft X ray scanning microprobe. Jacobsen C, et al. **Ann NY Acad Sci** 1986;483:463–9

Scanning transmission electron microscope (STEM) elemental mapping by electron energy-loss spectroscopy. Leapman RD. **Ann NY Acad Sci** 1986;483:326–38

Preservation of mucus in situ in rat colon. Bollard JE, et al. **Dig Dis Sci** 1986 Dec;31(12):1338–44

New techniques for studying digestion and absorption of nutrients by ruminants. Owens FN. **Fed Proc** 1987 Feb; 46(2):283–9

Mechanical anastomosis of small arteries and veins with the unilink apparatus: a histologic and scanning electron microscopic study. Berggren A, et al. **Plast Reconstr Surg** 1987 Aug;80(2):274–83

SEM observations of the neural fold associated with neurulation in the rat. Hung CF, et al. **Proc Natl Sci Counc Repub China [B]** 1986 Oct;10(4):287–90

A technique for examining the same hair specimen by scanning and transmission electron microscopy. Burmeister V. **Stain Technol** 1986 Nov;61(6):377–8

Atomic structure and properties of small particles. Arizona, USA, 7–11 January 1986. Papers. **Ultramicroscopy** 1986; 20(1–2):1–176

[Scanning electron microscopy in the study of the growth of urinary calculi] Fakhfakh Z, et al. **Tunis Med** 1986 May; 64(5):471–4 (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

Adaptation of a thirty-five millimeter photographic system for a scanning electron microscope. Lawton EA. **J Biol Photogr** 1982 Jul;50(3):65–7

[Development of high resolution scanning electron microscopy and its application in medical biology] Tanaka K. **Nippon Rinsho** 1987 Apr;45(4):920–4 (6 ref.) **(Jpn)**

[The scanning tunneling microscope and the soft X-ray microscope: a challenge to atomic/molecular image of biomaterials] Ohyama J, et al. **Tanpakushitsu Kakusan Koso** 1987 May;32(5):411–6 (18 ref.) **(Jpn)**

METHODS

Simple devices for the preparation of specimens for scanning and transmission electron microscopy. Langbein L. **Acta Histochem (Jena)** 1987;81(2):239–42

Analytical electron microscopy in the study of biological systems. Johnson DE. **Ann NY Acad Sci** 1986;483:241–4

In vivo microscopy using the tandem scanning microscope. Petran M, et al. **Ann NY Acad Sci** 1986;483:440–7

Radial density profiles of macromolecular filaments determined from dark-field scanning transmission electron micrographs. Improvements in technique and some applications. Steven AC, et al. **Ann NY Acad Sci** 1986; 483:188–201

Silver-enhanced colloidal gold probes as markers for scanning electron microscopy. Scopsi L, et al. **Histochemistry** 1986;86(1):35–41

A new preparation method for extraction experiments in scanning electron microscopy. Maruyama K, et al. **J Electron Microsc (Tokyo)** 1987;36(1–2):50–3

Immunohistochemical localization of serotonin in the third ventricular wall of the lamprey, using backscattered electron imaging. Ushiki T, et al. **J Electron Microsc (Tokyo)** 1986;35(2):157–64

Simple SEM stereophotogrammetric method for three-dimensional evaluation of features on flat substrates [published erratum appears in J Microsc 1987 Feb;145 (Pt 2):244] Boyde A, et al. **J Microsc** 1986 Sep;143 (Pt 3):257–64

A rapid and simple technique for correlating light microscopy, transmission and scanning electron microscopy of fixed tissues in Epon blocks. Cajander SB. **J Microsc** 1986 Sep;143 (Pt 3):265–74

A new scanning electron microscope (SEM) method for the determination of particle size in parenteral fat emulsions. Hamilton-Attwell VL, et al. **J Microsc** 1987 Mar;145 (Pt 3):347–9

Techniques for combining light microscopy and scanning electron microscopy: a survey of the literature. Wouters CH. **J Microsc** 1987 Jul;147 (Pt 1):5–14 (75 ref.)

Colloidal gold—a powerful tool in scanning electron microscope immunocytochemistry: an overview of bioapplications. Hodges GM, et al. **Scanning Microsc** 1987 Mar;1(1):301–18

Surface characterization of biomaterials by immunogold staining--quantitative analysis. Park K, et al. **Scanning Microsc** 1987 Mar;1(1):339–50

Back-scattered electron imaging of sections through the cochlea: a new technique for studying cochlear morphology. Thorne PR, et al. **Stain Technol** 1987 May; 62(3):191–9

High spatial resolution analysis using parallel detection eels. Disko MM, et al. **Ultramicroscopy** 1986;20(1–2):43–9

Visibility and stability of a 12-tungsten atom complex in the scanning transmission electron microscope. Monson KL, et al. **Ultramicroscopy** 1987;21(2):147–56

[Histocytochemical SEM studies of taste cells utilizing both the secondary and back-scattered electron images] Ogawa K. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Feb;90(2):258–65 (Eng. Abstr.) **(Jpn)**

MICROSCOPY, ELECTRON, X-RAY MICROANALYSIS see **ELECTRON PROBE MICROANALYSIS**

MICROSCOPY, FLUORESCENCE

A simple method to select specific tumor areas in paraffin blocks for cytometry using incident fluorescence microscopy. van Driel-Kulker AM, et al. **Cytometry** 1986 Nov;7(6):601–4

NOR and counterstained enhanced fluorescence studies in early embryo (morulae) cells of the pig. Schellander K, et al. **Zentralbl Veterinarmed [A]** 1986 Aug;33(6):426–30

INSTRUMENTATION

Simultaneous separate detection of low angle and large angle light scattering in an arc lamp-based flow cytometer. Steen HB. **Cytometry** 1986 Sep;7(5):445–9

An inexpensive dual-excitation apparatus for fluorescence microscopy. Kassotis J, et al. **Pflugers Arch** 1987 Jun; 409(1–2):47–51

METHODS

Three-dimensional imaging by confocal scanning fluorescence microscopy. Brakenhoff GJ, et al. **Ann NY Acad Sci** 1986;483:405–15

Bone appositional rate and percentage of doubly and singly labeled surfaces: comparison of data from 5 and 20 microns sections. Birkenhäger-Frenkel DH, et al. **Bone** 1987; 8(1):7–12

Infrared fluorescence videomicroscopy of skin capillaries with indocyanine green. Moneta G, et al. **Int J Microcirc Clin Exp** 1987;6(1):25–34

Resonance energy transfer microscopy: observations of membrane-bound fluorescent probes in model membranes and in living cells. Uster PS, et al. **J Cell Biol** 1986 Oct; 103(4):1221–34

An evaluation of confocal versus conventional imaging of biological structures by fluorescence light microscopy. White JG, et al. **J Cell Biol** 1987 Jul;105(1):41–8

Fluorescence reactions of orcein: new applications for an old stain. Molero ML, et al. **J Microsc** 1986 Oct;144 (Pt 1):45–53

Study of microscopic porphyrin fluorescence. Rosenstein LD, et al. **Urology** 1987 Apr;29(4):417–20

[Fluorescent microscopy of erythrocytes and their ghosts] Kerkher ME, et al. **Lab Delo** 1987;(4):264–5 (Eng. Abstr.) **(Rus)**

STANDARDS

[Evaluation of an antirabies conjugate by titration using various fluorescent microscopes] Larghi OP, et al. **Rev Inst Med Trop Sao Paulo** 1986 Jan-Feb;28(1):2–5 (Eng. Abstr.) **(Spa)**

MICROSCOPY, PHASE CONTRAST

A blind controlled trial of phase-contrast microscopy by two observers for evaluating the source of haematuria. Venkat Raman G, et al. **Nephron** 1986;44(4):304–8

INSTRUMENTATION

Community laboratory work and hand held microscopes [letter] Longmore M. **Trans R Soc Trop Med Hyg** 1986; 80(5):849–50

METHODS

A rapid screening technique for the detection of spermatozoa. Fraysier HD. **J Forensic Sci** 1987 Mar;32(2):527–30

MICROSCOPY, POLARIZATION

Differential polarization microscopy of changes in structure in spermatocyte nuclei. Mickols W, et al. **Nature** 1987 Jul 30-Aug 5;328(6129):452–4

METHODS

Analysis of polarization and orientation of human polymorphonuclear leukocytes by computer-interfaced video microscopy. MacFarlane GD, et al. **J Leukocyte Biol** 1987 Apr;41(4):307–17

MICROSOMES

ANALYSIS

Effect of a zinc-deficient diet on mitochondrial and microsomal lipid composition in TEPC-183 plasmacytoma. Burke JP, et al. **Biochem Med Metab Biol** 1987 Apr; 37(2):148–56

Ca2+ channels from brain microsomal membranes reconstituted in patch-clamped bilayers. Vassilev PM, et al. **Biochim Biophys Acta** 1987 Feb 26;897(2):324–30

Antiestrogen binding sites in microsomal fractions of malignant and nonmalignant human breast tissues. Mehta RR, et al. **Breast Cancer Res Treat** 1987;9(1):61–7

Purification and properties of rubrophilin: a novel brain specific membrane polypeptide. Rosenthal HL, et al. **J Neurochem** 1987 Mar;48(3):832–9

DRUG EFFECTS

Inhibition of Na+-Ca2+ exchange by calcium antagonists in rat brain microsomal membranes. Ruščák M, et al. **Gen Physiol Biophys** 1986 Oct;5(5):529–35

Apparent induction of microsomal carboxylesterase activities in tissues of clofibrate-fed mice and rats. Ashour MB, et al. **Toxicol Appl Pharmacol** 1987 Jul;89(3):361–9

Microsomal phospholipase A2 is activated by surfactant toxins in 3T3 mouse fibroblasts. Kawaguchi H, et al. **Toxicol Lett** 1987 Feb;35(2–3):261–8

Stimulation of cyclophosphamide-induced pulmonary microsomal lipid peroxidation by oxygen. Patel JM. **Toxicology** 1987 Jul;45(1):79–91

[Phospholipid restoration of microsome membranes damaged by Fe2+—ascorbate-dependent lipid peroxidation] Borodin EA. **Biol Nauki** 1986;(7):30–5 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Purification of steroid sulphohydrolase from human placenta microsomes. Gniot-Szulżycka J, et al. **Acta Biochim Pol** 1986;33(3):203–15

Age-dependence of the rat Leydig cell and Sertoli cell function. Development of the peripheral testosterone level and its relation to mitochondrial and microsomal

cytochromes P-450 and to androgen-binding protein. Kühn-Velten N, et al. **Acta Endocrinol (Copenh)** 1987 Jun; 115(2):275-81

Cellular localization of the microsomal antigen and the thyroid peroxidase antigen. Pinchera A, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:57-62

Analytical study of kallikrein and kallikrein-like esterase activity in subfractions from rat kidney cortex microsomes and isolated subcellular membranes. Andersen KJ, et al. **Adv Exp Med Biol** 1986;198 Pt A:355-9

The FAD-containing monooxygenase of lung and liver tissue from rabbit, mouse and pig: species and tissue differences. Sabourin PJ, et al. **Adv Exp Med Biol** 1986;197:263-72

Solubilisation and reconstitution of acylcoenzyme A:estradiol-17 beta acyltransferase. Lee FT, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):569-75

The constitutive 7-ethoxycoumarin O-deethylase activity of human placental microsomes: relationship to aromatase. Meigs RA. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1012-8

Phospholipid dependence of rat brain microsomal glucose-6-phosphate phosphohydrolase. Minocha R, et al. **Biochem Int** 1987 Mar;14(3):483-90

Kinetic behaviour of acetylcholinesterase from muscle microsomal membranes. Muñoz-Delgado E, et al. **Biochem Int** 1986 Oct;13(4):625-32

Purification and properties of rat kidney UDP-glucuronosyltransferase. Coughtrie MW, et al. **Biochem Pharmacol** 1987 Jan 15;36(2):245-51

Neurotoxic esterase: characterization of the solubilized enzyme and the conditions for its solubilization from chicken brain microsomal membranes with ionic, zwitterionic, or nonionic detergents. Davis CS, et al. **Biochem Pharmacol** 1987 May 1;36(9):1393-9

Immunochemical determination of microsomal epoxide hydrolase (preneoplastic antigen) in extrahepatic tissue. Moody DE, et al. **Biochem Pharmacol** 1987 Feb 15; 36(4):570-2

Actions of antisecretory agents on proton transport in hog gastric microsomes. Nagaya H, et al. **Biochem Pharmacol** 1987 Feb 15;36(4):513-9

Interaction of azole antifungal agents with cytochrome P-45014DM purified from Saccharomyces cerevisiae microsomes. Yoshida Y, et al. **Biochem Pharmacol** 1987 Jan 15;36(2):229-35

Genetic regulation of testosterone 15 alpha-hydroxylase (cytochrome P-450(15)alpha) in renal microsomes of female mice. Squires EJ, et al. **Biochemistry** 1986 Aug 26; 25(17):4913-8

Acetyltransferase activity in human platelet microsomes and washed platelets. Alam I, et al. **Biochim Biophys Acta** 1986 Oct 29;884(1):67-72

Effect of spermine on the translocation of Mg2+-dependent phosphatidate phosphohydrolase. Jamdar SC, et al. **Biochim Biophys Acta** 1987 Feb 23;917(3):381-7

Formation of bile acid glucosides and dolichyl phosphoglucose by microsomal glucosyltransferases in liver, kidney and intestine of man. Matern H, et al. **Biochim Biophys Acta** 1987 Sep 4;921(1):1-6

Oxidation of thiols in the Ca2+-ATPase of sarcoplasmic reticulum microsomes. Scherer NM, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):309-17

Partial purification of ethanolaminephosphotransferase from rat brain microsomes. Vecchini A, et al. **Biochim Biophys Acta** 1987 Mar 13;918(1):40-7

Metabolism of 1,8-cineole in rat: its effects on liver and lung microsomal cytochrome P-450 systems. Madyastha KM, et al. **Bull Environ Contam Toxicol** 1986 Nov;37(5):759-66

Inhibition of epidermal xenobiotic metabolism in SENCAR mice by naturally occurring plant phenols. Das M, et al. **Cancer Res** 1987 Feb 1;47(3):760-6

Characterization of N-acetyl-beta-D-galactosaminyltransferase from guinea-pig kidney involved in the biosynthesis of Sda antigen associated with Tamm-Horsfall glycoprotein. Serafini-Cessi F, et al. **Carbohydr Res** 1986 Aug 15; 151:65-76

Bacterial beta-lyase mediated cleavage and mutagenicity of cysteine conjugates derived from the nephrocarcinogenic alkenes trichloroethylene, tetrachloroethylene and hexachlorobutadiene. Dekant W, et al. **Chem Biol Interact** 1986 Oct 15;60(1):31-45

Formation of benzo[a]pyrene-DNA adducts by microsomal enzymes: comparison of maternal and fetal liver, fetal hematopoietic cells and placenta. Salhab AS, et al. **Chem Biol Interact** 1987 Mar;61(3):203-14

Lectin inhibition and kinetics of microsomal K+-dependent p-nitrophenyl phosphatase of frog epidermis. Buron I, et al. **Comp Biochem Physiol [B]** 1987;86(2):241-4

Effects of ascorbic acid supplementation on liver, lung and kidney microsomal drug metabolizing enzymes of the guinea-pig. Işcan M, et al. **Comp Biochem Physiol [B]** 1987; 87(3):575-80

Active calcium transport by porcine thyroid microsomes. Nakamura Y, et al. **Endocrinology** 1986 Nov;119(5):2058-65

Microsomal ethanol-oxidizing system. Lieber CS. **Enzyme** 1987;37(1-2):45-56 (76 ref.)

The effects of metyrapone, chalcone epoxide, benzil, clotrimazole and related compounds on the activity of microsomal epoxide hydrolase in situ, in purified form and in reconstituted systems towards different substrates. Seidegård J, et al. **Eur J Biochem** 1986 Sep 1;159(2):415-23

Alpha-hydroxylation of lignoceroyl-CoA by a cyanide-sensitive oxygenase in rat brain microsomes. Shigematsu H, et al. **Int J Biochem** 1987;19(1):41-6

Characterization of dolichol kinase from bovine thyroid microsomes. Steen L, et al. **Int J Biochem** 1987;19(5):419-26

Identification and characterization of a specific dolichylmonophosphate phosphatase activity in bovine thyroid microsomes. Steen L, et al. **Int J Biochem** 1987; 19(5):427-34

Change in the activity of Cl-,HCO3(-)-ATPase in microsome fraction during early development of the sea urchin, Hemicentrotus pulcherrimus. Mitsunaga K, et al. **J Biochem (Tokyo)** 1986 Dec;100(6):1607-15

Partial purification of trimethylamine-N-oxide (TMAO) demethylase from crude fish muscle microsomes by detergents. Parkin KL, et al. **J Biochem (Tokyo)** 1986 Jul; 100(1):87-97

Characterization of trimethylamine-N-oxide (TMAO) demethylase activity from fish muscle microsomes. Parkin KL, et al. **J Biochem (Tokyo)** 1986 Jul;100(1):77-86

Pulmonary microsomal cytochrome P-450 from 3-methylcholanthrene-treated hamsters: purification, characterization, and metabolism of benzo(a)pyrene. Sagami I, et al. **J Biochem (Tokyo)** 1986 Aug;100(2):449-57

Effect of peroxisomal proliferators on microsomal prostaglandin A omega-hydroxylase. Yamamoto S, et al. **J Biochem (Tokyo)** 1986 Dec;100(6):1449-55

Characteristics of a pure endogenous activator of the gastric H+,K+-ATPase system. Evaluation of the role as a possible intracellular regulator. Bandopadhyay S, et al. **J Biol Chem** 1987 Apr 25;262(12):5664-70

Characterization of a protein fatty acylesterase present in microsomal membranes of diverse origin. Berger M, et al. **J Biol Chem** 1986 Nov 15;261(32):14912-8

Aromatization of 19-norandrogens by equine testicular microsomes. Gaillard JL, et al. **J Biol Chem** 1987 Apr 25; 262(12):5717-22

A protein phosphatase associated with rat heavy gastric membranes enriched with (H+-K+)-ATPase influences membrane K+ transport activity. Im WB, et al. **J Biol Chem** 1987 Jul 15;262(20):9865-71

The active site of aromatase cytochrome P-450. Differential effects of cyanide provide evidence for proximity of heme-iron and carbon-19 in the enzyme-substrate complex. Kellis JT Jr, et al. **J Biol Chem** 1987 Jun 25; 262(18):8840-4

Cell-free fatty acylation of microsomal integrated and detergent-solubilized glycoprotein of vesicular stomatitis virus. Mack D, et al. **J Biol Chem** 1987 Mar 25; 262(9):4297-302

The final step in the de novo biosynthesis of platelet-activating factor. Properties of a unique CDP-choline:1-alkyl-2-acetyl-sn-glycerol choline-phosphotransferase in microsomes from the renal inner medulla of rats. Woodard DS, et al. **J Biol Chem** 1987 Feb 25;262(6):2520-7

Partial purification of microsomal signal peptidase from hen oviduct. Baker RK, et al. **J Cell Biochem** 1986; 32(3):193-200

High affinity binding of substrate and effector ligands to testicular microsomal cytochrome P-450. Quinn PG, et al. **J Steroid Biochem** 1986 Dec;25(6):943-9

Coal fly ash induces hepatic and pulmonary cytochrome P-450 and sigma-aminolevulinic acid synthetase in rats. Srivastava PK, et al. **J Toxicol Environ Health** 1987; 21(1-2):187-92

Characteristics of ethacrynic acid highly sensitive Mg2+-ATPase in microsomal fractions of the rat brain: functional molecular size, inhibition by SITS and stimulation by Cl-. Tanaka T, et al. **Jpn J Pharmacol** 1986 Nov;42(3):351-9

Induction of microsomal cytochrome P-450 enzymes: the first Bernard B. Brodie lecture at Pennsylvania State University. Conney AH. **Life Sci** 1986 Dec 29; 39(26):2493-518 (135 ref.)

Reversibility of cholinephosphotransferase in lung microsomes. Tsao FH. **Lipids** 1986 Aug;21(8):498-502

Antisera against estrogen synthetase from human placental microsomes. Antibody characterization and cross-reactivity studies in other organs. Bellino FL, et al. **Mol Cell Endocrinol** 1987 Jul;52(1-2):143-50

Tissue- and species-dependent expression of multiple forms of mammalian microsomal flavin-containing monooxygenase. Tynes RE, et al. **Mol Pharmacol** 1987 Jun; 31(6):569-74

Species-dependent expression and induction of homologues of rabbit cytochrome P-450 isozyme 5 in liver and lung. Vanderslice RR, et al. **Mol Pharmacol** 1987 Apr;31(4):320-5

In vitro screening of carcinogenesis inhibitors acting by inhibition of microsomal polycyclic aromatic hydrocarbon activation. Safirman C, et al. **Neoplasma** 1987;34(3):261-8

The effect of mercury chloride and methyl mercury on brain microsomal Na+-K+-ATPase after partial delipidisation with Lubrol. Magour S, et al. **Pharmacol Toxicol** 1987 Mar; 60(3):184-6

Purification and characterization of palmitoyl-CoA ligase from rat brain microsomes. Bhushan A, et al. **Prep Biochem** 1987;17(2):173-93

Insulin stimulates a membrane-bound serine kinase that may be phosphorylated on tyrosine. Yu KT, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):3972-6

3 beta-Hydroxysteroid dehydrogenase in human placental microsomes and mitochondria: co-solubilization of androstene and pregnene activities. Asibey-Berko E, et al. **Steroids** 1986 Jun;47(6):351-63

Purification and partial characterization of adenosine diphosphatase activity in bovine aorta microsomes. Miura Y, et al. **Thromb Res** 1987 Jun 1;46(5):685-95

[Studies on acetyl-CoA:lyso platelet activating factor acetyltransferase of rat spleen microsomes--solubilization and substrate specificity] Seyama K. **Hokkaido Igaku Zasshi** 1986 Sep;61(5):766-75 (Eng. Abstr.) **(Jpn)**

[Inhibitory effect on delta 5-3 beta-hydroxysteroid dehydrogenase, delta 4-delta 5-isomerase and 17 alpha-hydroxylase activities of pig adrenal microsomes by various inhibitors of steroid metabolizing enzyme and steroids] Nishimura K, et al. **Yakugaku Zasshi** 1986 Sep; 106(9):818-24 (Eng. Abstr.) **(Jpn)**

[Effect of ultrasound on the ATPase activity of brain microsomes] Dreval' VI, et al. **Biofizika** 1986 Jul-Aug; 31(4):718-20 (Eng. Abstr.) **(Rus)**

[Detection of a system of microsomal monooxygenases in the rodent malaria parasite Plasmodium berghei] Chekhonadskikh TV, et al. **Biokhimiia** 1987 Mar; 52(3):381-6 (Eng. Abstr.) **(Rus)**

[Suppression of chloroquine resistance in Plasmodium berghei by using a microsomal monooxygenase inhibitor] Rabinovich SA, et al. **Med Parazitol (Mosk)** 1986 Jul-Aug; (4):7-10 (Eng. Abstr.) **(Rus)**

[Changes in the activity of enzyme systems of xenobiotic metabolism at different stages of insect development] Leonova IN, et al. **Ontogenez** 1987 May-Jun;18(3):297-303 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Thyroid peroxidase is the organ-specific 'microsomal' autoantigen involved in thyroid autoimmunity. Ruf J, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:49-56

On the clinical importance of thyroid microsomal and thyroglobulin antibody determination. Scherbaum WA. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:325-9

Anti-liver-kidney microsome antibody is a marker for the rat hepatocyte endoplasmic reticulum. De Lemos-Chiarandini C, et al. **Hepatology** 1987 May-Jun; 7(3):468-75

Antibodies against denatured and reduced thyroid microsomal antigen in autoimmune thyroid disease. Hamada N, et al. **J Clin Endocrinol Metab** 1987 Feb; 64(2):230-8

Separate induction of MHC and thyroid microsomal antigen (McAg) expression on thyroid cell monolayers: enhancement of lectin-induced McAg expression by interferon-gamma. Iwatani Y, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1302-8

Characterization and isolation of thyroid microsomal antigen. Hamada N, et al. **J Clin Invest** 1987 Mar;79(3):819-25

Identification by immunoblotting of three halothane-induced liver microsomal polypeptide antigens recognized by antibodies in sera from patients with halothane-associated hepatitis. Kenna JG, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):733-40

[Radioimmunological determination of thyroid antimicrosomal antibodies in Addison's disease and Turner's syndrome] Lacka K, et al. **Pol Arch Med Wewn** 1986 Apr;75(4):257-62 (Eng. Abstr.) **(Pol)**

METABOLISM

Effect of a heme-peptide derived from cytochrome-c on lipid peroxidation. I. Effects on brain microsomes. Vodnyánszky L, et al. **Acta Biochim Biophys Hung** 1986;21(1-2):3-11

Activation of nitrosamines to mutagens by rat and rabbit nasal, lung and liver S-9 homogenates. Dahl AR. **Adv Exp Med Biol** 1986;197:367-72

Monoclonal antibody-directed analysis of cytochrome P-450. Friedman FK, et al. **Adv Exp Med Biol** 1986; 197:145-54

Epoxidation of 1,3-butadiene in liver and lung tissue of mouse, rat, monkey and man. Schmidt U, et al. **Adv Exp Med Biol** 1986;197:951-7

Toxicologic implications of the iron-dependent activation of bleomycin A2 by mouse lung microsomes. Trush MA, et al. **Adv Exp Med Biol** 1986;197:291-300

Structure of the adduct of glutathione and activated 3-methylindole. Yost GS, et al. **Adv Exp Med Biol** 1986; 197:373-80

Iron-dependent uptake of ascorbate into isolated microsomes. Peterkofsky B, et al. **Arch Biochem Biophys** 1987 Apr; 254(1):282-9

Effect of dietary columbinic acid on the fatty acid composition and physical membrane properties of different tissues of EFA-deficient rats. Mandon EC, et al. **Arch Latinoam Nutr** 1986 Sep;36(3):401-14

The effect of EDTA-Fe(III) complexes with different chemical structure on the lipid peroxidation in brain microsomes. Marton A, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):211-7

Purification and characterization of two forms of cytochrome P-450 from rat kidney cortex microsomes. Yoshimoto M, et al. **Biochem Int** 1986 Nov;13(5):749-55

Lipid alterations in liver and kidney induced by normobaric hyperoxia: correlations with changes in microsomal

membrane fluidity. Casals C, et al. **Biochem Med Metab Biol** 1987 Jun;37(3):269–81

Potentiation by reduced glutathione of adriamycin–stimulated lipid peroxidation in kidney microsomes. Mimnaugh EG. **Biochem Pharmacol** 1986 Dec 1;35(23):4337–9

Major differences between lung, skin and liver in the microsomal metabolism of homologous series of resorufin and coumarin ethers. Rettie AE, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3495–500

The microsomal metabolism of hexachlorobenzene. Origin of the covalent binding to protein. van Ommen B, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3233–8

Metabolic pathways for androstanediol formation in immature rat testis microsomes. Eckstein B, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):1–6

The monomethylethanolamine– and dimethylethanolamine–base exchange reactions of rat–brain microsomal fraction. Kanfer JN. **Biochim Biophys Acta** 1986 Dec 5;879(3):278–85

Microsomal ethanol–oxidizing system in purified rat Leydig cells. Murono EP, et al. **Biochim Biophys Acta** 1987 Apr 3;918(2):136–40

Phospholipid–protein interactions in rat lung lamellar bodies. Nijssen JG, et al. **Biochim Biophys Acta** 1987 Jan 13; 917(1):140–7

Coenzyme A–dependent and –independent acyl transfer between dog heart microsomal phospholipids. Reddy PV, et al. **Biochim Biophys Acta** 1986 Dec 5;879(3):369–77

Abnormal calcium transport into microsomes of grey platelet syndrome. Enouf J, et al. **Br J Haematol** 1987 Apr; 65(4):437–40

Immunological identification and effects of 3–methylcholanthrene and phenobarbital on rat pulmonary cytochrome P–450. Keith IM, et al. **Cancer Res** 1987 Apr 1;47(7):1878–82

The effect of penultimate N–acetylgalactosamine 4–sulfate on chondroitin chain elongation. Cogburn JN, et al. **Carbohydr Res** 1986 Aug 15;151:207–12

Biosynthesis of proteochondroitin sulfate: substrate requirements for formation of two independent species. Sugumaran G, et al. **Carbohydr Res** 1986 Aug 15; 151:185–95

Dibenz [a,j]acridine: distributions of metabolites formed by liver and lung microsomes from control and pretreated rats. Gill JH, et al. **Carcinogenesis** 1987 Mar;8(3):425–31

Selective inducibility of microsomal cytochrome b560ms in Tetrahymena. Darvas Z, et al. **Cell Biol Int Rep** 1987 Aug; 11(8):627

Biosynthesis of patulin; in vitro conversion of gentisyl alcohol into patulin by microsomal enzyme(s) and retention of one of the carbinol protons in this reaction. Iijima H, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug;34(8):3534–7

Characterization of insulin binding to bovine liver and mammary microsomes. Smith DH, et al. **Comp Biochem Physiol [A]** 1986;85(1):161–9

In vitro microsomal metabolism of the leukotriene receptor antagonist, 5–(2–dodecylphenyl)–4,6–dithianonanedioic acid (SK&F 102,081). Newton JF, et al. **Drug Metab Dispos** 1987 Mar–Apr;15(2):161–7

Import of frog prepropeptide GLa into microsomes requires ATP but does not involve docking protein or ribosomes. Schlenstedt G, et al. **EMBO J** 1987 Mar;6(3):699–703

Hepatic prolactin receptors in the rat: characterization using monoclonal antireceptor antibodies. Katoh M, et al. **Endocrinology** 1987 Feb;120(2):739–49

Crocidolite–induced lipid peroxidation in rat lung microsomes. I. Role of different ions. Gulumian M, et al. **Environ Res** 1987 Jun;43(1):267–73

Production of testosterone from progesterone by rat testicular microsomes without release of the intermediates 17 alpha–hydroxyprogesterone and androstenedione. Eckstein B, et al. **Eur J Biochem** 1987 Jul 15;166(2):425–9

Purification of a functional receptor for calcium–channel blockers from rabbit skeletal–muscle microsomes. Flockerzi V, et al. **Eur J Biochem** 1986 Nov 17;161(1):217–24

Restoration of hydroperoxide–dependent lipid peroxidation by 3–methylcholanthrene induction of cytochrome P–448 in hepatoma microsomes. Borrello S, et al. **FEBS Lett** 1986 Dec 15;209(2):305–10

GTP–dependent ADP–ribosylation of a 22 kDa protein in the endoplasmic reticulum membrane. Robinson A, et al. **FEBS Lett** 1987 Jun 22;218(1):63–7

The effect of copper deficiency on heart microsomal phosphatidylcholine biosynthesis and concentration. Cornatzer WE, et al. **Int J Biochem** 1986;18(12):1083–7

Vitamin–K–dependent proteins in microsomes of primary Lewis lung tumors. Wilson AC, et al. **Int J Cancer** 1986 Dec 15;38(6):877–82

Distinct occurrence of phosphatidylinositol 4,5–bisphosphate–induced Ca2+ release and inositol 1,4,5–triphosphate–induced release in ATP–dependent Ca2+–transporting platelet microsomes. Oho C, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):911–21

Inositol 1,4,5–trisphosphate induced calcium release from corn coleoptile microsomes. Reddy AS, et al. **J Biochem (Tokyo)** 1987 Mar;101(3):569–73

Occurrence of cytochrome P–450 with prostaglandin omega–hydroxylase activity in rabbit placental microsomes. Yamamoto S, et al. **J Biochem (Tokyo)** 1986 Jul; 100(1):175–81

Pyridine nucleotide metabolites stimulate calcium release from sea urchin egg microsomes desensitized to inositol trisphosphate. Clapper DL, et al. **J Biol Chem** 1987 Jul 15;262(20):9561–8

Wild type and mutant signal peptides of Escherichia coli outer membrane lipoprotein interact with equal efficiency with mammalian signal recognition particle. Garcia PD, et al. **J Biol Chem** 1987 Jul 15;262(20):9463–8

Calcium modulation of inositol 1,4,5–trisphosphate–induced calcium release from neuroblastoma x glioma hybrid (NG108–15) microsomes. Jean T, et al. **J Biol Chem** 1986 Dec 15;261(35):16414–20

Acyl–CoA–independent esterification of retinol bound to cellular retinol–binding protein (type II) by microsomes from rat small intestine [published erratum appears in J Bio Chem 1987 May 25;262(15):7438] Ong DE, et al. **J Biol Chem** 1987 Feb 25;262(6):2729–36

Transacylation of lyso platelet–activating factor and other lysophospholipids by macrophage microsomes. Distinct donor and acceptor selectivities. Sugiura T, et al. **J Biol Chem** 1987 Jan 25;262(3):1199–205

The NH2 terminus of preproinsulin directs the translocation and glycosylation of a bacterial cytoplasmic protein by mammalian microsomal membranes. Eskridge EM, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2263–72

Protein translocation across the yeast microsomal membrane is stimulated by a soluble factor. Waters MG, et al. **J Cell Biol** 1986 Dec;103(6 Pt 2):2629–36

Importance of the polyunsaturated fatty acid to vitamin E ratio in the resistance of rat lung microsomes to lipid peroxidation. Leedle RA, et al. **J Free Radic Biol Med** 1986;2(5–6):397–403

Mobilization of intracellular calcium from the sarcoplasmic reticulum of B–lymphocytes using cyclic guanosine 3'5'–monophosphate (cGMP). Dontsov VI. **J Hyg Epidemiol Microbiol Immunol** 1986;30(3):295–9

The formation of lysophosphatidylinositol phosphate in human platelet microsomes. Thomas LM, et al. **Lipids** 1987 Mar;22(3):144–7

Immunochemical identification of cytochrome P–450 isozyme 3a (P–450ALC) in rabbit nasal and kidney microsomes and evidence for differential induction by alcohol. Ding XX, et al. **Mol Pharmacol** 1986 Oct; 30(4):370–8

Studies on the ligand specificity and potential identity of microsomal antiestrogen–binding sites. Watts CK, et al. **Mol Pharmacol** 1987 May;31(5):541–51

The importance of 2–aminofluorene in the mutagenic activation of 2–acetylaminofluorene. Robertson IG. **Mutat Res** 1986 Nov;175(3):153–7

Interactions of phenylalkylamines with human lung membrane and microsome preparation. Moretti JL, et al. **Nucl Med Commun** 1987 Feb;8(2):115–20

Characterization of testosterone oxidation by rat lung microsomes. Halperin–Walega ES, et al. **Pharmacology** 1986;33(5):286–91

Modulation of 3–hydroxy–3–methylglutaryl–CoA reductase by changes in microsomal cholesterol content or phospholipid composition. Davis PJ, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):118–21

Vitamin K–dependent carboxylation of pulmonary surfactant–associated proteins. Rannels SR, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5952–6

Cyclophosphamide: interstrain differences in the production of mutagenic metabolites by S9–fractions from liver and kidney in different mutagenicity test systems in vitro and in the teratogenic response in vivo between CBA and C 57 BL mice. Winckler K, et al. **Teratogenesis Carcinog Mutagen** 1987;7(4):399–409

Naphthalene metabolism by human lung microsomal enzymes. Buckpitt AR, et al. **Toxicology** 1986 Nov; 41(3):333–41

[Inhibitory effect of ketoconazole and various steroids on delta 16–C19–steroid synthesizing activity and 17 alpha–hydroxylase/lyase activity in pig testicular microsomes] Takahashi M, et al. **Yakugaku Zasshi** 1987 Jan;107(1):82–5 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Decreased microsomal membrane fluidity in the development of cholesterol–induced atherosclerosis in the rabbit. Robinson C, et al. **Exp Mol Pathol** 1986 Dec;45(3):294–302

SECRETION

Effect of inositol 1,4,5–trisphosphate and GTP on calcium release from pituitary microsomes. Kiesel L, et al. **FEBS Lett** 1987 Jun 8;217(1):85–8

ULTRASTRUCTURE

Evaluation of microsomes isolated from fresh and frozen myotomal tissue of Atlantic cod (Gadus morhua). Ablett RF, et al. **Comp Biochem Physiol [B]** 1986;84(4):457–63

Effects of hypercholesterolemia on the microsomal membrane fluidity of intimal–medial versus medial layers of swine aorta: implications for the pathogenesis of vasospasm. Gillies P, et al. **Exp Mol Pathol** 1987 Aug; 47(1):90–7

A simple procedure for isolation of microsomes from human placenta. Gniot–Szulżycka J, et al. **Folia Histochem Cytobiol** 1986;24(3):251–6

Formation of a functional ribosome–membrane junction during translocation requires the participation of a GTP–binding protein. Connolly T, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2253–61

MICROSOMES, LIVER

ANALYSIS

Effects of long–term administration of clofibric acid on stearoyl–CoA desaturase, 1–acylglycerophosphorylcholine acyltransferase and fatty acyl composition of microsomal phosphatidylcholine in rat liver. Hirose A, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1209–14

Structural comparison of monoclonal antibody immunopurified pulmonary and hepatic cytochrome P–450 from 3–methylcholanthrene–treated rats. Robinson RC, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3827–30

The effects of dietary (n–3) fatty acid supplementation on lipid dynamics and composition in rat lymphocytes and liver microsomes. Conroy DM, et al. **Biochim Biophys Acta** 1986 Oct 23;861(3):457–62

Isolation and characterisation of the guanine nucleotide exchange factor from rat liver. Proud CG. **Biochim Biophys Acta** 1987 Jul 24;914(1):64–73

Extraction of omega– and omega–1–hydroxylauric acids with ethyl acetate results in formation of acetoxy products. Salhab AS, et al. **Drug Metab Dispos** 1987 Mar–Apr; 15(2):233–6

Chronic ethanol consumption and aging: changes in lipid composition of liver microsomes. Wood WG, et al. **Exp Gerontol** 1986;21(3):195–201

Application of the thiobarbiturate assay to the measurement of lipid peroxidation products in microsomes. Albro PW, et al. **J Biochem Biophys Methods** 1986 Oct;13(3):185–94

Characterization of hepatic lactogen receptor. Subunit composition and hydrodynamic properties. Haldosén LA, et al. **J Biol Chem** 1987 May 25;262(15):7404–11

High–affinity receptor for insulin–like growth factor II in rat liver: properties and regulation in vivo. Bryson JM, et al. **J Endocrinol** 1987 Apr;113(1):27–35

DRUG EFFECTS

Phthalate esters: effects of orally administered dibutylphthalate on cytochrome P–450 mediated metabolism in rat liver and lung. Walseth F, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Oct;59(4):263–9

Effects of ethanol on the structure and function of rat liver mitochondrial and microsomal membranes. Taraschi TF, et al. **Ann NY Acad Sci** 1986;488:127–39

Effects of methoxsalen on the metabolism of acetaminophen in humans. Amouyal G, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2349–52

Effects of nondenaturating zwitterionic detergent CHAPS, 3–[(3–cholamido propyl) dimethyl ammonio]–1–propanesulfonate, on rat liver mitochondrial and microsomal monoamine oxidase. Bancells L, et al. **Biochem Pharmacol** 1987 Aug 1;36(15):2539–46

Liver regeneration and hepatic microsomal changes in rats administered cyclosporin A. Gershbein LL. **Biochem Pharmacol** 1987 Sep 15;36(18):3088–90

Early, selective and reversible suppression of cytochrome P–450–dependent monooxygenase of liver microsomes following the administration of low doses of carbon disulfide in mice. Masuda Y, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):3941–7

Paracetamol, 3–monoalkyl– and 3,5–dialkyl derivatives. Comparison of their microsomal cytochrome P–450 dependent oxidation and toxicity in freshly isolated hepatocytes. Van De Straat R, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3693–9

In vitro effects of chlorpromazine on glycerol–3–phosphate acyl transferase and 1–acylglycerol–3–phosphate acyltransferase in rat liver microsomes. Yada R, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):4083–7

Mechanism of arachidonic acid–induced Ca2+ mobilization from rat liver microsomes. Chan KM, et al. **Biochim Biophys Acta** 1987 Apr 22;928(2):186–93

Properties of a GTP sensitive microdomain in rough microsomes. Paiement J, et al. **Biochim Biophys Acta** 1987 Mar 26;898(1):6–22

Effect of zineb and its metabolite, ethylenethiourea, on hepatic microsomal systems in rats and mice. Meneguz A, et al. **Bull Environ Contam Toxicol** 1987 May;38(5):862–7

Effect of cimetidine and ranitidine on the metabolism and toxicity of hexamethylmelamine. Hande K, et al. **Cancer Treat Rep** 1986 Dec;70(12):1443–5

Aerobic and anaerobic reduction of nitrated pyrenes in vitro. Djurić Z, et al. **Chem Biol Interact** 1986 Oct 1;59(3):309–24

Hepatic microsomal mixed–function oxidase activity in ethanol–treated hamsters and its consequences on the bioactivation of aromatic amines to mutagens. Ioannides C, et al. **Chem Biol Interact** 1986 Sep;59(2):129–39

Inhibition of ethinyloestradiol and tolbutamide metabolism by quinoline derivatives in vitro. Riviere JH, et al. **Chem Biol Interact** 1986 Oct 1;59(3):301–8

Biochemical alterations elicited in rat liver microsomes by oxidation and reduction products of chloroform metabolism. Testai E, et al. **Chem Biol Interact** 1986 Sep; 59(2):157–71

One year study of effects of an oestrogen–dominant oral contraceptive on serum high–density lipoprotein cholesterol, apolipoproteins A–I and A–II and hepatic microsomal function. Luoma PV, et al.

Eur J Clin Pharmacol 1987;31(5):563-7

Studies related to the mechanism of 3-BHA-induced neoplasia of the rat forestomach. deStafney CM, et al. **Food Chem Toxicol** 1986 Oct-Nov;24(10-11):1149-57

Effects of dietary Schizandra chinensis, brussels sprouts and Illicium verum extracts on carcinogen metabolism systems in mouse liver. Hendrich S, et al. **Food Chem Toxicol** 1986 Sep;24(9):903-12

Effects of anticonvulsant agents on halothane-induced liver injury in human subjects and experimental animals. Nomura F, et al. **Hepatology** 1986 Sep-Oct;6(5):952-6

Effects of in vivo administration of detergents on the hepatic microsomal cytochrome P-450 system in rat. Miura Y. **J Appl Toxicol** 1987 Jun;7(3):213-7

Fluidizing effects of centrophenoxine in vitro on brain and liver membranes from different age groups of mice. Wood WG, et al. **Life Sci** 1986 Dec 1;39(22):2089-95

Influence of single neonatal treatment with allylestrenol or diethylstilbestrol on microsomal enzyme activity of rat liver in adulthood. Csaba G, et al. **Med Biol** 1986;64(4):197-200

Retinol (vitamin A) inhibits the mutagenicity of o-aminoazotoluene activated by liver microsomes from several species in the Ames test. Victorin K, et al. **Mutat Res** 1987 Jul;179(1):41-8

The increasing and decreasing effects of aromatic hydrocarbon solvents on pulmonary and hepatic cytochrome P-450 in the rat. Pyykkö K, et al. **Pharmacol Toxicol** 1987 Apr;60(4):288-93

Comparison of nitrosocarbaryl and carbaryl: in vitro effects on hepatic microsomal aryl hydrocarbon hydroxylase, aminopyrine N-demethylase, epoxide hydrolase and cytosolic glutathione-S-transferase. Chan HH, et al. **Proc Natl Sci Counc Repub China [B]** 1984 Oct;8(4):302-7

Comparative effects of topically applied nitrated arenes and their nonnitrated parent arenes on cutaneous and hepatic drug and carcinogen metabolism in neonatal rats. Asokan P, et al. **Toxicol Appl Pharmacol** 1986 Oct;86(1):33-43

The effects of phenobarbital pretreatment on the metabolism and acute toxicity of the pesticide parathion in the mouse. Sultatos LG. **Toxicol Appl Pharmacol** 1986 Oct; 86(1):105-11

The role of iron in 2,3,7,8-tetrachlorodibenzo-p-dioxin-induced lipid peroxidation by rat liver microsomes. Al-Bayati ZA, et al. **Toxicol Lett** 1987 Sep;38(1-2):115-21

Rat liver plasma membrane damage in hexachlorobenzene intoxication and its potentiation by ethanol. Nikolaev V, et al. **Toxicol Lett** 1986 Sep;32(3):269-73

Effect of length of exposure to malathion on xenobiotic biotransformation in male rat liver. Reidy GF, et al. **Toxicol Lett** 1987 Sep;38(1-2):193-9

Induction of hepatic oxidative and conjugative drug metabolism in the hamster by N-substituted imidazoles. Ritter JK, et al. **Toxicol Lett** 1987 Mar;36(1):51-9

Effect of four synthetic antioxidants on the formation of ethylene from methional in rat liver microsomes. Weinke S, et al. **Toxicol Lett** 1987 Feb;35(2-3):247-51

Effect of carbon disulfide on the anticholinesterase action of several organophosphorus insecticides in mice. Yasoshima M, et al. **Toxicol Lett** 1986 Sep;32(3):179-84

Interaction of piperine with rat liver microsomes. Bhat BG, et al. **Toxicology** 1987 Apr;44(1):91-8

Comparison of hexachlorobenzene-induced alterations of microsomal membrane composition and monooxygenase activity in male and female rats. Cantoni L, et al. **Toxicology** 1987 Sep;45(3):291-305

Differential induction of cytochrome P-450 catalyzed activities by polychlorinated biphenyls and benzo [a]pyrene in B6C3F1 mouse liver and lung. Mitchell CE, et al. **Toxicology** 1987 Mar;43(3):315-23

Effects of primaquine on hepatic microsomal haemoproteins and drug oxidation. Murray M, et al. **Toxicology** 1986 Dec 15;42(2-3):205-17

[Inhibition of microsomal enzyme activity of the liver by various H2 receptor antagonists] Jensen JC, et al. **Z Gastroenterol** 1987 Feb;25(2):112-8 (Eng. Abstr.) **(Ger)**

[Effectiveness of lipid peroxidation inhibition in biomembranes by antioxidants with and without hydrocarbon chains] Serbinova EA, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):419-21 (Eng. Abstr.) **(Rus)**

[Prevention of damages to the microsomal monooxygenases in thermal ischemia of the liver by the separate and combined use of alpha-tocopherol, lidocaine and kontrikal] Sharapov VI, et al. **Farmakol Toksikol** 1987 Mar-Apr; 50(2):107-11 (Eng. Abstr.) **(Rus)**

[Effect of furan compounds on microsomal oxidation] Tarasov VV, et al. **Gig Sanit** 1987 Apr;(4):79-80 **(Rus)**

[Effect of a phosphatidylcholine-enriched diet on the structural and functional parameters of rat liver microsomes] Sharmanov TSh, et al. **Vopr Pitan** 1987 May-Jun;(3):39-41 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Evidence against in vitro modulation of rat liver cholesterol 7 alpha-hydroxylase activity by phosphorylation-dephosphorylation: comparison with hydroxymethylglutaryl CoA reductase. Berglund L, et al. **Acta Chem Scand [B]** 1986 Jul;40(6):457-61

UDP-glucuronyltransferases and their toxicological significance. Bock KW, et al. **Adv Exp Med Biol** 1986; 197:171-84

H-2 modulation of aryl hydrocarbon hydroxylase induction and the mutagenicity of benzo(a)pyrene after 3-methylcholanthrene treatment. Brooks BA, et al. **Adv Exp Med Biol** 1986;197:797-807

The formation of N-glucuronides catalyzed by purified hepatic 17 beta-hydroxysteroid and 3 alpha-hydroxysteroid UDP-glucuronyltransferases. Green MD, et al. **Adv Exp Med Biol** 1986;197:399-405

The metabolism of benzene and phenol by a reconstituted purified phenobarbital-induced rat liver mixed function oxidase system. Griffiths JC, et al. **Adv Exp Med Biol** 1986; 197:213-22

Oxygen radical formation during redox cycling of bleomycin-Fe(III) catalyzed by NADPH-cytochrome P-450 reductase of liver microsomes and nuclei. Kappus H, et al. **Adv Exp Med Biol** 1986;197:273-80

Flavin-containing monooxygenase activity in human liver microsomes. McManus ME, et al. **Adv Exp Med Biol** 1986; 197:773-9

The FAD-containing monooxygenase of lung and liver tissue from rabbit, mouse and pig: species and tissue differences. Sabourin PJ, et al. **Adv Exp Med Biol** 1986;197:263-72

Glutathione peroxidase and reactive oxygen species in TCDD-induced lipid peroxidation. Stohs SJ, et al. **Adv Exp Med Biol** 1986;197:357-65

The effect of age on mono-oxygenase enzyme kinetics in rat liver microsomes. Wynne H, et al. **Age Ageing** 1987 May;16(3):153-8

In vitro studies of lipid metabolism in human liver. Angelin B, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):482-7

Purification of NADPH:cytochrome c (cytochrome P-450) reductase from hamster liver microsomes by detergent extraction and affinity chromatography. Ardies CM, et al. **Anal Biochem** 1987 Apr;162(1):39-46

High-performance liquid chromatographic assays for bufuralol 1'-hydroxylase, debrisoquine 4-hydroxylase, and dextromethorphan O-demethylase in microsomes and purified cytochrome P-450 isozymes of human liver. Kronbach T, et al. **Anal Biochem** 1987 Apr;162(1):24-32

Biochemical and immunological identity of the hepatic peroxisomal and microsomal trans-2-enoyl CoA hydratase bifunctional protein. Cook L, et al. **Arch Biochem Biophys** 1987 Feb 1;252(2):357-68

Inhibition of rat liver microsomal Ca2+-ATPase by fluorescein-5'-isothiocyanate. Fleschner CR, et al. **Arch Biochem Biophys** 1987 May 1;254(2):448-53

Source of the hepatic microsomal trans-2-enoyl CoA hydratase bifunctional protein: endoplasmic reticulum or peroxisomes. Ghesquier D, et al. **Arch Biochem Biophys** 1987 Feb 1;252(2):369-81

Cytochrome P-450 cholesterol 7 alpha-hydroxylase: inhibition of enzyme deactivation by structurally diverse calmodulin antagonists and phosphatase inhibitors. Holsztynska EJ, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):543-59

Respective roles of the microsomal ethanol oxidizing system and catalase in ethanol metabolism by deermice lacking alcohol dehydrogenase. Kato S, et al. **Arch Biochem Biophys** 1987 May 1;254(2):586-91

Phenotypic differences in expression of cytochrome P-450g but not its mRNA in outbred male Sprague-Dawley rats. McClellan-Green P, et al. **Arch Biochem Biophys** 1987 Feb 15;253(1):13-25

Selective reactivation of steroid hydroxylases following dissociation of the isosafrole metabolite complex with rat hepatic cytochrome P-450. Murray M, et al. **Arch Biochem Biophys** 1986 Dec;251(2):471-8

A regulatory polymorphism for rat hepatic cytochrome P-450g. Rampersaud A, et al. **Arch Biochem Biophys** 1987 Jan;252(1):145-51

Regulation of testosterone hydroxylation by rat liver microsomal cytochrome P-450. Sonderfan AJ, et al. **Arch Biochem Biophys** 1987 May 15;255(1):27-41

Development of vitamin D3 25-hydroxylase activity in rat liver microsomes. Thierry-Palmer M, et al. **Arch Biochem Biophys** 1986 Oct;250(1):120-7

Transformation of an arachidonic acid hydroperoxide into epoxyhydroxy and trihydroxy fatty acids by liver microsomal cytochrome P-450. Weiss RH, et al. **Arch Biochem Biophys** 1987 Jan;252(1):334-8

Differential expression and function of three closely related phenobarbital-inducible cytochrome P-450 isozymes in untreated rat liver. Wilson NM, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):407-20

Stereoselective formation and hydration of benzo[c]phenanthrene 3,4- and 5,6-epoxide enantiomers by rat liver microsomal enzymes. Yang SK, et al. **Arch Biochem Biophys** 1987 May 15;255(1):48-63

Effect of diazepam treatment on hepatic microsomal anesthetic defluorinase activity. Biermann JS, et al. **Arch Int Pharmacodyn Ther** 1986 Oct;283(2):181-92

Hepatic microsomal adenosine triphosphatase and mitochondrial function. Response to cold and warm ischemia. Townsend MC, et al. **Arch Surg** 1987 Jul; 122(7):813-6

Effects of individual terphenyls and polychlorinated terphenyls on rat hepatic microsomal cytochrome P-450-dependent monooxygenases: structure-activity relationships. Leece BD, et al. **Arch Toxicol** 1986 Oct; 59(3):186-9

Interaction between glucose diet and ethanol on rat liver microsomal induction and liver plasma membrane damage in chronic hexachlorobenzene intoxication. Nikolaev V, et al. **Arch Toxicol** 1987;60(1-3):112-4

Effects of dietary fat and aflatoxin B1 on microsomal monooxygenase activity. Nyandieka HS. **Arch Toxicol** 1987;60(1-3):59-60

Fingerprinting rat liver microsomal cytochromes P-450 as a means of delineating sexually distinctive forms. Schenkman JB, et al. **Arch Toxicol** 1987;60(1-3):43-51

Effects of metronidazole, azanidazole, and azathioprine on cytochrome P450 and various mono-oxygenase activities in hepatic microsomes from control and induced mice. Cantelli-Forti G, et al. **Arch Toxicol [Suppl]** 1987;11:264-9

Monooxygenase activity of fish liver in biomonitoring aquatic environment. Julkunen A, et al. **Arch Toxicol [Suppl]** 1986; 9:378-81

Coumarin 7-hydroxylase in inbred strains of mice: comparison with other microsomal monooxygenase activities and induction by pyrazole. Juvonen R, et al. **Arch Toxicol [Suppl]** 1986;9:367-70

Induction of hepatic microsomal mixed function oxidase system by ethylenethiourea in mice. Meneguz A, et al. **Arch Toxicol [Suppl]** 1986;9:346-50

Effect of acute acetaldehyde inhalation on rat liver microsomal mixed function oxidase system. Shiohara E, et al. **Arukoru Kenkyuto Yakubutsu Ison** 1986 Sep; 21(3):216-23

Reconstitution of liver monooxygenase system in solution from cytochrome P-450 and NADPH-specific flavoprotein monomers. Bachmanova GI, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):883-8

Absolute configuration of the hydroxyeicosatetraenoic acids (HETEs) formed during catalytic oxygenation of arachidonic acid by microsomal cytochrome P-450. Capdevila J, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1007-11

25-hydroxylation of vitamin D3 in rat liver: roles of mitochondrial and microsomal cytochrome P-450. Dahlbäck H, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):999-1005

Decrease in the levels of a constitutive cytochrome P-450 (RLM5) in hepatic microsomes of diabetic rats. Favreau LV, et al. **Biochem Biophys Res Commun** 1987 Feb 13; 142(3):623-30

Topological studies on rat liver microsomal cholesterol ester hydrolase. Fernandez CJ, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1212-7

Induction of cytochrome P-450c in hematopoietic cells of fetal liver. Shiverick KT, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):299-305

Hepatic microsomal cholesterol epoxide hydrolase: selective inhibition by detergents and separation from xenobiotic epoxide hydrolase. Watabe T, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):632-7

Effects of phorone (diisopropylidene acetone), a glutathione (GSH) depletor, on hepatic enzymes involved in drug and heme metabolism in rats: evidence that phorone is a potent inducer of heme oxygenase. Yoshida T, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):502-8

Fractionation and purification of hepatic microsomal cytochrome P-450 isoenzymes from phenobarbital-pretreated rats by h.p.l.c. A convenient tool for screening of isoenzymes inactivated by allylisopropylacetamide. Bornheim LM, et al. **Biochem J** 1986 Nov 1;239(3):661-9

Cloning of a human liver microsomal UDP-glucuronosyltransferase cDNA. Jackson MR, et al. **Biochem J** 1987 Mar 1;242(2):581-8

Increase in a specific cytochrome P-450 isoenzyme in the liver of congenitally jaundiced Gunn rats. Kapitulnik J, et al. **Biochem J** 1987 Feb 15;242(1):297-300

Purification of phospholipid methyltransferase from rat liver microsomal fraction. Pajares MA, et al. **Biochem J** 1986 Aug 1;237(3):699-705

Vitamin K antagonism of coumarin anticoagulation. A dehydrogenase pathway in rat liver is responsible for the antagonistic effect. Wallin R. **Biochem J** 1986 Jun 15; 236(3):685-93

Absence of hepatic microsomal pentyl- or benzyl-resorufin O-dealkylase induction in rainbow trout (Salmo gairdneri) treated with phenobarbitone. Addison RF, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):1183-4

Induction of rat hepatic cytochromes P-450 by environmental nitropolycyclic aromatic hydrocarbons. Chou MW, et al. **Biochem Pharmacol** 1987 Aug 1; 36(15):2449-54

Inhibition of microsomal cytochrome c reductase activity by a series of alpha, beta-unsaturated aldehydes. Cooper KO, et al. **Biochem Pharmacol** 1987 Mar 1;36(5):627-31

Induction of a high spin form of microsomal cytochrome P-448 in rat liver by 4-aminoazobenzene derivatives. Degawa M, et al. **Biochem Pharmacol** 1986 Oct 15; 35(20):3565-70

Inhibition of cytochrome P-450-dependent oxidation reactions by MAO inhibitors in rat liver microsomes. Dupont H, et al. **Biochem Pharmacol** 1987 May 15; 36(10):1651-7

Induction of the hepatic microsomal cytochrome P-450 system by trialkyl phosphorothioates in rats. Furukawa N, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1291-6

Characterization of the microsomal cytochrome P-450 species inhibited in rat liver in the course of fascioliasis.

Galtier P, et al. **Biochem Pharmacol** 1986 Dec 1; 35(23):4345–7

Metabolic activation of the tricyclic antidepressant amineptine by human liver cytochrome P-450. Genève J, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2421–4

Sex difference in responsiveness to Aztreonam of monooxygenase system in liver microsomes from rats. Horie T, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):1053–7

Induction of hepatic cytochrome P-450c-dependent monooxygenase activities by dantrolene in rat. Jayyosi Z, et al. **Biochem Pharmacol** 1987 Aug 1;36(15):2481–7

Changes in rat hepatic microsomal mixed function oxidase activity following exposure to halothane under various oxygen concentrations. Knights KM, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):897–906

Misonidazole and benznidazole inhibit hydroxylation of CCNU by mouse liver microsomal cytochrome P-450 in vitro. Lee FY, et al. **Biochem Pharmacol** 1987 Apr 15; 36(8):1349–55

Inhibition of microsomal biotransformation by a series of nitrogen and oxygen heterocyclic histamine H2-antagonists. Lindstrom TD, et al. **Biochem Pharmacol** 1987 May 15;36(10):1669–72

Ontogeny of the chicken cytochrome P-450 enzyme system. Expression and development of responsiveness to phenobarbital induction. Lorr NA, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):3059–67

Characterization of hamster liver nicotine metabolism--II. Differential effects of ethanol or phenobarbital pretreatment on microsomal N and C oxidation. McCoy GD, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4590–2

Hepatic cytochrome P-450 system in experimental hepatosplenic schistosomiasis. Presence of an artifact in spectrophotometric analysis. el Mouelhi M, et al. **Biochem Pharmacol** 1987 Aug 15;36(16):2621–6

New heterocyclic modifiers of oxidative drug metabolism--II. Steric factors in the interaction of isomeric 2-(naphthyl)methylbenzimidazoles with rat hepatic microsomal cytochrome P-450 and monooxygenase activities. Murray M. **Biochem Pharmacol** 1987 Feb 15; 36(4):463–8

Microsomal cholesterol epoxide hydrolase activity in 2-acetylaminofluorene-induced rat liver hyperplastic nodules. Palakodety RB, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2424–7

Effect of five structurally diverse H2-receptor antagonists on drug metabolism. Pasanen M, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4457–61

Identification of a human liver cytochrome P-450 exhibiting catalytic and immunochemical similarities to cytochrome P-450 3a of rabbit liver. Raucy J, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):2921–6

High magnitude hepatic cytochrome P-450 induction by an N-substituted imidazole antimycotic, clotrimazole. Ritter JK, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2783–7

Concomitant induction of cytosolic but not microsomal epoxide hydrolase with peroxisomal beta-oxidation by various hypolipidemic compounds. Schladt L, et al. **Biochem Pharmacol** 1987 Feb 1;36(3):345–51

Studies on the metabolism of aminopyrine, antipyrine and theophylline using monoclonal antibodies to cytochrome P-450 isozymes purified from rat liver. Slusher LB, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2359–67

Effect of ethanol feeding on hepatic microsomal UDP-glucuronyltransferase activity. Sweeny DJ, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1381–3

Inhibition of microsomal N-nitrosodimethylamine demethylase by diethyl ether and other anesthetics. Tan YZ, et al. **Biochem Pharmacol** 1987 Jun 15;36(12):1973–8

Impairment of the hepatic microsomal drug-metabolizing system in rats parasitized with Nippostrongylus brasiliensis. Tekwani BL, et al. **Biochem Pharmacol** 1987 Apr 15; 36(8):1383–6

Inactivation of human liver cytochrome P-450 by the drug methoxsalen and other psoralen derivatives. Tinel M, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):951–5

Heat-stimulated nitroreductive bioactivation of the 2-nitroimidazole benznidazole in vitro. Walton MI, et al. **Biochem Pharmacol** 1987 Aug 15;36(16):2627–32

Rat liver cytochrome P-450 isozymes as catalysts of aldrin epoxidation in reconstituted monooxygenase systems and microsomes. Wolff T, et al. **Biochem Pharmacol** 1987 Aug 15;36(16):2581–8

Complete amino acid sequence of NADPH-cytochrome P-450 reductase from porcine hepatic microsomes. Haniu M, et al. **Biochemistry** 1986 Dec 2;25(24):7906–11

Regulation of cytochrome P-450j, a high-affinity N-nitrosodimethylamine demethylase, in rat hepatic microsomes. Thomas PE, et al. **Biochemistry** 1987 Apr 21; 26(8):2280–9

Partial purification and characterization of 7 alpha-hydroxysteroid dehydrogenase from rat liver microsomes. Amuro Y, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):101–7

Rat-liver microsomal cytochrome P-450: purification, characterization, multiplicity and induction. Aström A, et al. **Biochim Biophys Acta** 1986 Nov 4;853(1):1–27 (235 ref.)

The specificity of rat liver phospholipid methyltransferase for lyso derivatives and diacyl derivatives of phosphatidylethanolamine. Audubert F, et al. **Biochim Biophys Acta** 1987 Jul 13;920(1):26–36

Stimulatory effect of mevinolin on rat liver phosphatidic acid phosphatase. Björkhem I, et al. **Biochim Biophys Acta** 1987 Jul 13;920(1):20–5

Evidence for the glycoprotein nature of vitamin K-dependent carboxylase from rat liver. Brody T, et al. **Biochim Biophys Acta** 1987 Jan 20;923(1):1–7

Regulative mechanisms in NADH- and NADPH-supported N-oxidation of 4-chloroaniline catalyzed by cytochrome b5-enriched rabbit liver microsomal fractions. Golly I, et al. **Biochim Biophys Acta** 1987 Jun 17;913(2):219–27

Biosynthesis of glycerolipids by hepatoma and liver microsomes. I. Fatty acyl-CoA ligase and acyl-CoA:sn-glycerol-3-phosphate acyltransferase. Harvey BE, et al. **Biochim Biophys Acta** 1987 Feb 14; 917(2):247–57

Influence of N,N-dimethylaniline on the association of phenobarbital-induced cytochrome P-450 and NADPH-cytochrome c(P-450) reductase in a reconstituted rabbit liver microsomal enzyme system. Hlavica P, et al. **Biochim Biophys Acta** 1987 Sep 2; 915(1):28–36

Competitive inhibitors of rabbit hepatic microsomal steroid 12 alpha-hydroxylase. Joyce MJ, et al. **Biochim Biophys Acta** 1986 Nov 14;879(2):202–8

Modulation of delta 6 and delta 5 rat liver microsomal desaturase activities by dexamethasone-induced factor. Marra CA, et al. **Biochim Biophys Acta** 1986 Dec 5; 879(3):388–93

Genetic identification of rat liver carboxylesterases isolated in different laboratories. Mentlein R, et al. **Biochim Biophys Acta** 1987 May 27;913(1):27–38

Deconjugation of glucuronides catalysed by UDPglucuronyltransferase. Peters WH, et al. **Biochim Biophys Acta** 1986 Sep 26;873(2):252–9

Substituent effects during the rat liver aldehyde dehydrogenase catalyzed oxidation of aromatic aldehydes. Rietveld EC, et al. **Biochim Biophys Acta** 1987 Aug 5; 914(2):162–9

Substrate specificity of the carbon monoxide-dependent cytochrome P-450 kinetics. Schröder U, et al. **Biochim Biophys Acta** 1987 Jun 17;913(2):185–94

The effects of phosphatase on the components of the cytochrome P-450-dependent microsomal monooxygenase. Taniguchi H, et al. **Biochim Biophys Acta** 1987 Apr 30;912(3):295–302

Regulation of hepatic HMG-CoA reductase in vivo by reversible phosphorylation. Zammit VA, et al. **Biochim Biophys Acta** 1987 Feb 18;927(2):223–8 (28 ref.)

Allosteric activation of rat liver microsomal [hydroxymethylglutaryl-CoA reductase (NADPH)]kinase by nucleoside phosphates. Ferrer A, et al. **Biol Chem Hoppe Seyler** 1987 Mar;368(3):249–57

Effects of neonatally administered chlorpromazine and reserpine on the responsiveness of rat hepatic drug-metabolising enzymes to testosterone in adult life. Finnen MJ, et al. **Biol Neonate** 1986;50(5):265–9

Effectivity of dolichyl phosphates with different chain lengths as acceptors of nucleotide activated sugars. Löw P, et al. **Biosci Rep** 1986 Jul;6(7):677–83

The effect of low-dose phenobarbitone on three indices of hepatic microsomal enzyme induction. Price DE, et al. **Br J Clin Pharmacol** 1986 Dec;22(6):744–7

Tolbutamide 4-hydroxylase activity of human liver microsomes: effect of inhibitors. Purba HS, et al. **Br J Clin Pharmacol** 1987 Aug;24(2):230–4

Metabolism of 1,8-cineole in rat: its effects on liver and lung microsomal cytochrome P-450 systems. Madyastha KM, et al. **Bull Environ Contam Toxicol** 1986 Nov;37(5):759–66

Comparison of the promutagenic activity of liver homogenates from fish and rat in the Ames test. Yamashita M, et al. **Bull Environ Contam Toxicol** 1987 Apr; 38(4):565–70

Ornithine decarboxylase lability in 2 transplantable highly deviated rat hepatomas. Zuretti MF, et al. **Cancer Lett** 1987 Jul;36(1):35–43

Nature of N-nitrosodimethylamine demethylase and its inhibitors. Yoo JS, et al. **Cancer Res** 1987 Jul 1; 47(13):3378–83

Lysosomal-enzyme targeting: the phosphorylation of synthetic D-mannosyl saccharides by UDP-N-acetyl-glucosamine:lysosomal-enzyme N-acetylglucosamine-phosphotransferase from rat-liver microsomes and fibroblasts. Madiyalakan R, et al. **Carbohydr Res** 1986 Sep 1;152:183–94

Stability of drug metabolizing enzymes during the incubation conditions of the liver microsomal assay with non-induced and induced mouse liver S-9 fractions. Paolini M, et al. **Carcinogenesis** 1987 Sep;8(9):1179–84

Enhancement of epoxide hydrolase activity in hepatic microsomes of mice given heterocyclic compounds. Heine HS, et al. **Chem Biol Interact** 1986 Sep;59(2):219–30

In vitro effects of trans-4-hydroxy-2-alkenals on mouse liver cytochrome P-450. Lame' MW, et al. **Chem Biol Interact** 1987;62(1):59–74

Effects of sodium metallochlorophyllins on the activity and components of the microsomal drug-metabolizing enzyme system in rat liver. Imai K, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4287–93

Effects of 1-nitropyrene pretreatment on the mixed-function oxidases of the rat liver. He SX, et al. **Chung Kuo Yao Li Hsueh Pao** 1987 Jan;8(1):53–7

Effects of butylated hydroxyanisole on microsomal monooxygenase and drug metabolism. Peng RX, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Mar;7(2):157–61

Alterations in microsomal drug metabolism and heme oxygenase activity in isolated hepatic parenchymal and sinusoidal cells in Murphy-Sturm lymphosarcoma-bearing rats. Schacter BA, et al. **Clin Invest Med** 1986;9(3):150–5

Heterogeneity of hepatic microsomal UDP-glucuronosyltransferases activities: use and comparison of differential inductions in some mammalian species. Boutin JA, et al. **Comp Biochem Physiol [B]** 1987; 87(3):513–22

Effects of ascorbic acid supplementation on liver, lung and kidney microsomal drug metabolizing enzymes of the guinea-pig. Işcan M, et al. **Comp Biochem Physiol [B]** 1987; 87(3):575–80

Phosphatidylethanolamine methyltransferase activity in chick liver microsomes. Marino A, et al. **Comp Biochem Physiol [B]** 1986;85(4):795–803

Effects of varying inducer type and dose on hepatic monooxygenase activities in the mountain vole Microtus montanus. Hincks JR, et al. **Comp Biochem Physiol [C]** 1986;85(2):385–9

Seasonal change and sex difference in drug-metabolizing activity in frog liver microsomes. Miura Y, et al. **Comp Biochem Physiol [C]** 1986;85(2):353–5

Activities and toxicological significance of hepatic microsomal enzymes of the kestrel (Falco tinnunculus) and sparrowhawk (Accipiter nisus). Walker CH, et al. **Comp Biochem Physiol [C]** 1987;86(2):379–82

Effect of aflatoxin B1 on some liver microsomal enzymes in mice fed cyanide supplemented diets. Obidoa O, et al. **Drug Chem Toxicol** 1986;9(3–4):323–31

Biotransformation of caffeine, paraxanthine, theophylline, and theobromine by polycyclic aromatic hydrocarbon-inducible cytochrome(s) P-450 in human liver microsomes. Campbell ME, et al. **Drug Metab Dispos** 1987 Mar-Apr;15(2):237–49

Influence of cytochrome b5 on the stoichiometry of the different oxidative reactions catalyzed by liver microsomal cytochrome P-450. Jansson I, et al. **Drug Metab Dispos** 1987 May-Jun;15(3):344–8

Flavin-containing monooxygenase activity in human liver microsomes. McManus ME, et al. **Drug Metab Dispos** 1987 Mar-Apr;15(2):256–61

Immunohistochemical evidence for alterations in specific forms of rat hepatic microsomal cytochrome P-450 during acute carbon tetrachloride intoxication. Moody DE, et al. **Drug Metab Dispos** 1986 Nov-Dec;14(6):709–13

Cytochrome P-450 isozymes 2 and 5 in rabbit lung and liver. Comparisons of structure and inducibility. Parandoosh Z, et al. **Drug Metab Dispos** 1987 Jan-Feb;15(1):59–67

Effects of aging on the properties of rhesus monkey liver microsomal NADPH-cytochrome c (P-450) reductase. Schmucker DL, et al. **Drug Metab Dispos** 1987 Mar-Apr; 15(2):225–32

Identification of the enzymes catalyzing metabolism of methoxyflurane. Waskell L, et al. **Drug Metab Dispos** 1986 Nov-Dec;14(6):643–8

Effect of aluminum on the hepatic mixed function oxidase and drug metabolism. Bidlack WR, et al. **Drug Nutr Interact** 1987;5(1):33–42

Xenobiotic-metabolizing enzyme systems in test fish. I. Comparative studies of liver microsomal monooxygenases. Funari E, et al. **Ecotoxicol Environ Safety** 1987 Feb; 13(1):24–31

The effect of free radicals on hepatic 5'-monodeiodination of thyroxine and 3,3',5'-triiodothyronine. Huang TS, et al. **Endocrinology** 1987 Aug;121(2):498–503

The effect of 1-cyclohexyl-3-(2-morpholinoethyl)carbodiimide on the rat liver microsomal glucose-6-phosphatase system. Murataliev MB, et al. **Eur J Biochem** 1986 Oct 15; 160(2):401–5

Metabolism of n-pentane by ethanol-inducible cytochrome P-450 in liver microsomes and reconstituted membranes. Terelius Y, et al. **Eur J Biochem** 1986 Dec 1;161(2):303–8

Inducing efficacy of ethanol on hepatic drug metabolizing enzymes in patients. Hoensch HP, et al. **Eur J Clin Invest** 1986 Aug;16(4):284–91

Liver drug metabolism and blood pressure response to a lipophilic and hydrophilic beta blocker. Säkö S, et al. **Eur J Drug Metab Pharmacokinet** 1986 Apr-Jun;11(2):81–6

Aging modifies the expression of hepatic microsomal cytochromes P-450 after pretreatment of rats with beta-naphthoflavone or phenobarbital. Sun JQ, et al. **Exp Gerontol** 1986;21(2):65–73

Immunoquantitation of some cytochrome P-450 isozymes in liver microsomes from streptozotocin-diabetic rats. Rouer E, et al. **Experientia** 1986 Oct 15;42(10):1162–3

The molecular basis of the inherited deficiency of androsterone UDP-glucuronyltransferase in Wistar rats. Corser RB, et al. **FEBS Lett** 1987 Mar 23;213(2):448–52

Nitrofuran inhibition of microsomal lipid peroxidation. Dubin M, et al. **FEBS Lett** 1987 Aug 10;220(1):197–200

Propylthiouracil, a selective inhibitor of NADH-cytochrome b5 reductase. Lee E, et al. **FEBS Lett** 1986 Dec 1; 209(1):49–51

Polyclonal and monoclonal antibodies as probes of rat hepatic cytochrome P-450 isozymes. Thomas PE, et al. **Fed Proc** 1987 Jun;46(8):2563–6 (18 ref.)

Induction of rat hepatic monooxygenase activity by polychlorinated diphenyl ethers. Iverson F, et al. **Food Chem Toxicol** 1987 Apr;25(4):305–7

Comparison of the effects of various flavonoids on ethoxycoumarin deethylase activity of rat intestinal and hepatic microsomes. Vernet A, et al. **Food Chem Toxicol** 1986 Aug;24(8):857–61

Chloroform hepatotoxicity in the Mongolian gerbil. Ebel RE, et al. **Fundam Appl Toxicol** 1987 Feb;8(2):207–16

Impaired androgen 16 alpha-hydroxylation in hepatic microsomes from carbon tetrachloride–cirrhotic male rats. Murray M, et al. **Gastroenterology** 1987 Jul;93(1):141–7

The effects of organochlorine pesticides as inducers of testosterone and benzo[a]pyrene hydroxylases. Haake J, et al. **Gen Pharmacol** 1987;18(2):165–9

Product identification and determination of optimal condition of 8, 11, 14-eicosatrienoic acid desaturation in rat liver microsomes. Yamaoka K, et al. **Hokkaido Igaku Zasshi** 1986 Sep;61(5):755–65

Changes in the microsomal mixed function oxidase system with long-term trichloroethylene administration. Kawamoto T, et al. **Ind Health** 1987;25(2):89–92

Effects of superoxide generated in vitro on glucuronidation of benzo[a]pyrene metabolites by mouse liver microsomes. Byczkowski JZ, et al. **Int J Biochem** 1987;19(6):531–7

Effects of allopurinol, (+)-cyanidanol-3 and dihydroquinoline-type antioxidants on rat hepatic microsomal cytochrome P-450 and monooxygenases. Horváth T, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Apr;25(4):201–3

The effects of immunomodulating peptidoglycan monomer and muramyl dipeptide on hepatic microsomal UDP-glucuronyltransferase and beta-glucuronidase. Trešćec A, et al. **Int J Immunopharmacol** 1987;9(3):371–8

Interaction of nitroimidazole sensitizers with drug metabolizing enzymes--spectral and kinetic studies. Lee FY, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug; 12(8):1383–7

Effects of thiol concentration in the assay of liver microsomal acylCoA cholesterol acyl transferase. Fiorica E. **Ital J Biochem** 1986 Jul-Aug;35(4):272–81

Inhibition of microsomal NAD(P)H oxidation by Triton X-100. Boutin JA. **J Biochem Biophys Methods** 1986 Oct; 13(3):171–8

Purification and characterization of three male-specific and one female-specific forms of cytochrome P-450 from rat liver microsomes. Matsumoto T, et al. **J Biochem (Tokyo)** 1986 Nov;100(5):1359–71

The role of phospholipase A activity in rat liver microsomal lipid peroxidation. Beckman JK, et al. **J Biol Chem** 1987 Feb 5;262(4):1479–84

Radiation inactivation of microsomal glutathione S-transferase. Boyer TD, et al. **J Biol Chem** 1986 Dec 25; 261(36):16963–8

Structure and organization of the microsomal xenobiotic epoxide hydrolase gene [published erratum appears in J Biol Chem 1987 Jul 25;262(21):10412] Falany CN, et al. **J Biol Chem** 1987 Apr 25;262(12):5924–30

The enzymatic mechanism of glucuronidation catalyzed by two purified rat liver steroid UDP-glucuronosyltransferases. Falany CN, et al. **J Biol Chem** 1987 Jan 25;262(3):1218–22

Isolation, complementary DNA sequence, and regulation of rat hepatic lauric acid omega-hydroxylase (cytochrome P-450LA omega). Identification of a new cytochrome P-450 gene family. Hardwick JP, et al. **J Biol Chem** 1987 Jan 15;262(2):801–10

An accessory protein identical to mouse egasyn is complexed with rat microsomal beta-glucuronidase and is identical to rat esterase-3. Medda S, et al. **J Biol Chem** 1987 May 25;262(15):7248–53

Crystallization and preliminary x-ray crystallographic study of NADH-cytochrome b5 reductase from pig liver microsomes. Miki K, et al. **J Biol Chem** 1987 Aug 25; 262(24):11801–2

Purification and characterization of cholesterol 7 alpha-hydroxylase from rat liver microsomes. Ogishima T, et al. **J Biol Chem** 1987 Jun 5;262(16):7646–50

Subcellular localization of the enzymes of cholesterol biosynthesis and metabolism in rat liver. Reinhart MP, et al. **J Biol Chem** 1987 Jul 15;262(20):9649–55

Biochemical characterization of hepatic microsomal leukotriene B4 hydroxylases. Romano MC, et al. **J Biol Chem** 1987 Feb 5;262(4):1590–5

Evidence for changes in the conformational status of rat liver microsomal glucose-6-phosphate:phosphohydrolase during detergent-dependent membrane modification. Effect of p-mercuribenzoate and organomercurial agarose gel on glucose-6-phosphatase of native and detergent-modified microsomes. Schulze HU, et al. **J Biol Chem** 1986 Dec 15;261(35):16571–8

Induction of the hepatic mixed-function oxidase system by synthetic glucocorticoids. Transcriptional and post-transcriptional regulation. Simmons DL, et al. **J Biol Chem** 1987 Jan 5;262(1):326–32

Ca2+-activated ATPase in microsomes from human liver. Spamer C, et al. **J Biol Chem** 1987 Jun 5;262(16):7782–9

The kinetics of intact microsome glucose-6-phosphatase are sigmoid at physiologic glucose 6-phosphate concentrations. Traxinger RR, et al. **J Biol Chem** 1987 Jul 25; 262(21):10015–9

Microsomal enzymes of cholesterol biosynthesis. Purification of lanosterol 14 alpha-methyl demethylase cytochrome P-450 from hepatic microsomes. Trzaskos J, et al. **J Biol Chem** 1986 Nov 5;261(31):14651–7

In situ accumulation of 3 beta-hydroxylanost-8-en-32-aldehyde in hepatocyte cultures. A putative regulator of 3-hydroxy-3-methylglutaryl-coenzyme A reductase activity. Trzaskos JM, et al. **J Biol Chem** 1987 Sep 5; 262(25):12261–8

Mechanistic studies of lanosterol C-32 demethylation. Conditions which promote oxysterol intermediate accumulation during the demethylation process. Trzaskos JM, et al. **J Biol Chem** 1986 Dec 25;261(36):16937–42

Bile acid: CoASH ligases from guinea pig and porcine liver microsomes. Purification and characterization. Vessey DA, et al. **J Biol Chem** 1987 Apr 15;262(11):5360–5

Structural analysis and specific expression of microsomal cytochrome P-450(M-1) mRNA in male rat livers [published erratm appears in J Biol Chem 1986 Jun 15;262(17):8438] Yoshioka H, et al. **J Biol Chem** 1987 Feb 5;262(4):1706–11

Glucuronidation of 6 alpha-hydroxy bile acids by human liver microsomes. Radomińska-Pyrek A, et al. **J Clin Invest** 1987 Jul;80(1):234–41

Isolation of multiple normal and functionally defective forms of uridine diphosphate-glucuronosyltransferase from inbred Gunn rats. Roy Chowdhury N, et al. **J Clin Invest** 1987 Feb;79(2):327–34

Role of dietary corn oil in the function of hepatic drug and carcinogen metabolizing enzymes of starved-refed rats: response to the mixed function oxidase inducer, 3-methylcholanthrene. Wade AE, et al. **J Environ Pathol Toxicol Oncol** 1987 Jan-Feb;7(3):11–9

Allosteric and non-allosteric forms of rat liver 3-hydroxy-3-methylglutaryl coenzyme A reductase: differential inhibition of activity by adenosine 2'-monophospho-5'-diphosphoribose. Roitelman J, et al. **J Lipid Res** 1986 Aug;27(8):828–35

Effect of zinc and copper deficiency on microsomal NADPH-dependent active oxygen generation in rat lung and liver. Hammermueller JD, et al. **J Nutr** 1987 May; 117(5):894–901

Ascorbic acid requirement for the induction of microsomal drug-metabolizing enzymes in a rat mutant unable to synthesize ascorbic acid. Horio F, et al. **J Nutr** 1986 Nov; 116(11):2278–89

Effect of autoxidized linoleic acid on the contents of cytochrome P-450 and cytochrome b5, and drug-metabolizing enzyme activities in rat liver. Hiramatsu N, et al. **J Nutr Sci Vitaminol (Tokyo)** 1987 Feb;33(1):37–48

Dose-related inhibition of the drug-metabolizing enzymes of rat liver by the pyrrolizidine alkaloid, monocrotaline. Dalvi RR. **J Pharm Pharmacol** 1987 May;39(5):386–8

Characterization and inhibition of mephenytoin 4-hydroxylase activity in human liver microsomes. Hall SD, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):216–22

Androgens inhibit the formation of catechol estrogens by estrogen 2-hydroxylase present in rat liver microsomal preparations. Brueggemeier RW, et al. **J Steroid Biochem** 1986 Sep;25(3):351–4

Multiplicity of progesterone 21-hydroxylase activities associated with constitutive forms of rabbit liver cytochrome P-450. Sethumadhavan K, et al. **J Steroid Biochem** 1987 May;26(5):569–75

Structure-activity relationships of dietary indoles: a proposed mechanism of action as modifiers of xenobiotic metabolism. Bradfield CA, et al. **J Toxicol Environ Health** 1987; 21(3):311–23

Coal fly ash induces hepatic and pulmonary cytochrome P-450 and sigma-aminolevulinic acid synthetase in rats. Srivastava PK, et al. **J Toxicol Environ Health** 1987; 21(1-2):187–92

Hepatic cytochrome P-450 dependent drug metabolizing activity in rats, rabbits and several food-producing species. Dalvi RR, et al. **J Vet Pharmacol Ther** 1987 Jun;10(2):164–8

Metabolic activation of phenacetin and phenetidine by several forms of cytochrome P-450 purified from liver microsomes of rats and hamsters. Nohmi T, et al. **Jpn J Cancer Res** 1987 Feb;78(2):153–61

Influence of short-term water deprivation on kinetics of trimethadione and its metabolite in rats. Tanaka E, et al. **Jpn J Pharmacol** 1986 Oct;42(2):269–74

Effects of pregnenolone-16 alpha-carbonitrile on drug metabolizing enzymes in hypophysectomized female rats. Williams MT, et al. **Life Sci** 1987 Aug 31;41(9):1141–8

Effect of malonyl-CoA on delta 6 desaturation activity of rat liver microsomes. de Gomez Dumm IN, et al. **Lipids** 1986 Nov;21(11):721–3

Effect of Plasmodium yoelii nigeriensis infection and chloroquine on the hepatic mixed function oxidase system of mice. Saxena N, et al. **Mol Biochem Parasitol** 1987 Jul; 24(3):283–7

Defective induction of phenol glucuronidation by 3-methylcholanthrene in Gunn rats is due to the absence of a specific UDP-glucuronosyltransferase isoenzyme. Coughtrie MW, et al. **Mol Pharmacol** 1987 Jun;31(6):585–91

Multiplicity and regulation of hepatic microsomal carboxylesterases in rats. Hosokawa M, et al. **Mol Pharmacol** 1987 Jun;31(6):579–84

Co-induction of cytochrome P-450 isozymes in rat liver by 2,4,5,2',4',5'-hexachlorobiphenyl or 3-methoxy-4-aminoazobenzene. Kelley M, et al. **Mol Pharmacol** 1987 Aug;32(1):206–11

Regioselectivity of rat liver microsomal UDP-glucuronosyltransferase activities toward phenols of benzo(a)pyrene and dibenz(a,h)anthracene. Lilienblum W, et al. **Mol Pharmacol** 1987 Jul;32(1):173–7

Isolation and purification of rat liver morphine UDP-glucuronosyltransferase. Puig JF, et al. **Mol Pharmacol** 1986 Dec;30(6):558–65

Clotrimazole induction of cytochrome P-450: dose-differentiated isozyme induction. Ritter JK, et al. **Mol Pharmacol** 1987 Feb;31(2):135–9

Species-dependent expression and induction of homologues of rabbit cytochrome P-450 isozyme 5 in liver and lung. Vanderslice RR, et al. **Mol Pharmacol** 1987 Apr;31(4):320–5

Dependence on Salmonella typhimurium enzymes of mutagenicities of nitrobenzene and its derivatives in the presence of rat-liver S9 and norharman. Suzuki J, et al. **Mutat Res** 1987 Jun;178(2):187–93

Reconstitution of a phospholipid flippase from rat liver microsomes. Backer JM, et al. **Nature** 1987 May 28-Jun 3;327(6120):341–3

Interaction of famotidine with rat liver microsomes, a study showing less inhibition of drug metabolism than with cimetidine. Imai Y, et al. **Pharmacol Res Commun** 1986 Jul;18(7):629–38

Clinical implications of hepatic microsomal enzyme induction by antiepileptic drugs. Perucca E. **Pharmacol Ther** 1987; 33(1):139–44 (24 ref.)

Spectral interaction between 4-methylphenol and beta-oestradiol on hepatic microsomal cytochrome P-450: difference between ethanol and phenobarbital pretreatment. Gadeholt G. **Pharmacol Toxicol** 1987 May;60(5):399–400

Carcinogen metabolizing enzymes in nude mice. Laaksonen AM, et al. **Pharmacol Toxicol** 1987 Jan;60(1):58–61

Phenobarbital depression of hepatic microsomal benzo[a]pyrene hydroxylation in rats starved and refed a diet containing menhaden fish oil: substrate and fat level dependency. Dharwadkar SM, et al. **Pharmacology** 1987; 35(1):55–60

In vivo and in vitro effects of kalmegh (Andrographis paniculata) extract and andrographolide on hepatic microsomal drug metabolizing enzymes. Choudhury BR, et al. **Planta Med** 1987 Apr;53(2):135–40

Vitamin K-dependent carboxylase: possible role of the substrate "propeptide" as an intracellular recognition site. Suttie JW, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(3):634–7

Purification to homogeneity and enzymological characterization of a functional covalent complex composed of cytochromes P-450 isozyme 2 and b5 from rabbit liver. Tamburini PP, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):11–5

Biphasic effect of methadone on hepatic drug metabolism. Komthong S, et al. **Proc Soc Exp Biol Med** 1987 Jan; 184(1):40–6

Microsomal carbonyl reductase in rat liver. Sex difference, hormonal regulation, and characterization. Hara A, et al. **Prog Clin Biol Res** 1987;232:401–14

Hepatic microsomal ethanol-oxidizing system: biochemical nature and clinical implications. Teschke R. **Prog Clin Biol Res** 1987;241:173–84

Effect of acute 3,3'-dichlorobenzidine administration on rat hepatic enzymic and nonenzymic microsomal lipid peroxidation and antioxidant status. Iba MM. **Res Commun Chem Pathol Pharmacol** 1987 May; 56(2):243–52

Steroid modulation of liver regeneration and hepatic microsomal enzymes in rats of either sex. White AC, et al. **Res Commun Chem Pathol Pharmacol** 1987 Mar; 55(3):317–34

Effect of pretreatment with hepatic microsomal enzyme inducers on the toxicity of diazinon in calves. Abdelsalam EB, et al. **Res Vet Sci** 1986 Nov;41(3):336–9

Induction of a novel Ca2+-dependent serine protease in rat liver treated with various promoters of liver carcinogenesis. Enomoto K, et al. **Toxicol Pathol** 1987;15(1):73–7

Immunochemical studies of microsomal membranes of rat preneoplastic and neoplastic hepatocytes. Ogawa K, et al. **Toxicol Pathol** 1987;15(1):69–72

Effect of PCB on some MFO enzyme activities in pregnant and virgin rabbits. Montesissa C, et al. **Vet Res Commun** 1987;11(1):57–64

Induction of liver microsomal epoxide hydrolase, UDP-glucuronyl transferase and cytosolic glutathione transferase in different rodent species by 2-acetylaminofluorene or 3-methylcholanthrene. Aström A, et al. **Xenobiotica** 1987 Feb;17(2):155–63

Intraspecies individuality for the metabolism of steroids. Johnson EF, et al. **Xenobiotica** 1987 Mar;17(3):275–85

Metabolism of beta-myrcene in vivo and in vitro: its effects on rat-liver microsomal enzymes. Madyastha KM, et al. **Xenobiotica** 1987 May;17(5):539–49

[Effect of glycyrrhiza on liver microsomal enzymes in mouse liver homogenates] Tan YZ. **Chung Yao Tung Pao** 1986 Oct;11(10):55–6 **(Chi)**

[Liver microsomal enzyme induction and serum lipoproteins] Luoma P, et al. **Duodecim** 1986;102(19):1357–64 (Eng. Abstr.) **(Fin)**

[Chronologic studies of the effects of a hypoproteinic diet followed by an equilibrated diet on delta-6 and delta-5 desaturations of linoleic acid in liver microsomes in the rat] Narce M, et al. **Arch Int Physiol Biochim** 1986 Jun; 94(2):107–20 (Eng. Abstr.) **(Fre)**

[Detection and purification of a liver microsomal enzyme inducing the release of a glycopeptide inhibitor of

hepatocyte proliferation from human alpha 2 macroglobulin] Leborgne C, et al. **C R Soc Biol (Paris)** 1987;181(2):137–44 (Eng. Abstr.) **(Fre)**

[Effects of ingestion of oxidized fish oils on membrane fluidity, and the activity of hepatic microsome enzymes in rats. Influence of vitamin A overload] Mounié J, et al. **C R Soc Biol (Paris)** 1986;180(4):416–25 (Eng. Abstr.) **(Fre)**

[Effects of several antilipemic agents on the activity of liver microsomal enzymes] Mounié J, et al. **J Pharmacol** 1986 Jul–Sep;17(3):308–15 (Eng. Abstr.) **(Fre)**

[Changes and induction of drug–metabolizing enzymes in rats with hepatic injuries] Fujisaki K. **Fukuoka Igaku Zasshi** 1986 Sep;77(9):490–9 (Eng. Abstr.) **(Jpn)**

[Purification and characterization of lathosterol 5–desaturase from rat liver microsomes by cytochrome b5–sepharose affinity column chromatography: evidence for the non–heme iron protein] Yamaoka K. **Hokkaido Igaku Zasshi** 1986 Nov;61(6):902–8 (Eng. Abstr.) **(Jpn)**

[An organic peroxide, methyl ethyl ketone peroxide, damage to cytochrome P–450 peroxidase and microsomal enzymes activity] Ando M. **Nippon Eiseigaku Zasshi** 1986 Jun; 41(2):587–92 (Eng. Abstr.) **(Jpn)**

[Comparison of peptide maps and functional properties of monooxygenases induced by 3–methylcholanthrene and beta–naphthoflavone] Chasovnikova OB, et al. **Biokhimiia** 1986 Aug;51(8):1377–83 (Eng. Abstr.) **(Rus)**

[Characteristics of 3,4–benzopyrene–induced cytochrome P–448 forms isolated from mouse liver microsomes] Duzhak TG, et al. **Biokhimiia** 1987 Feb;52(2):214–9 (Eng. Abstr.) **(Rus)**

[Factors determining the selectivity of cytochrome P–450–catalyzed alkane oxidation] Karasevich EI, et al. **Biokhimiia** 1986 Sep;51(9):1454–8 (Eng. Abstr.) **(Rus)**

[The level and activity of molecular forms of monooxygenase P–450b and P–450c during their separate and consecutive induction in the liver] Tsyrlov IB, et al. **Biokhimiia** 1987 Apr;52(4):607–14 (Eng. Abstr.) **(Rus)**

[Inhibition of the dealkylating activity of cytochrome P–450 isoforms in rat liver microsomes by the products of phospholipase A2–induced phospholipid hydrolysis] Viner RI, et al. **Biokhimiia** 1987 Mar;52(3):459–68 (Eng. Abstr.) **(Rus)**

[Kinetic characteristics of 3,4–benzpyrene hydroxylation in the liver microsomes of mice] Tsyrlov IB, et al. **Biol Nauki** 1987;(3):30–6 (Eng. Abstr.) **(Rus)**

[Phosphatidylcholine–induced repair of damaged hepatocyte membranes in heliotrine poisoning] Dobrynina OV, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):413–5 (Eng. Abstr.) **(Rus)**

[Does alpha–tocopherol interact with the active center of cytochrome P–450 in liver microsomes?] Viner RI, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):304–6 (Eng. Abstr.) **(Rus)**

[Reconstruction of the liver microsomal monooxygenase system in a solution from NADP–H–cytochrome P–450 reductase and cytochrome P–450 monomers] Skotselias ED, et al. **Dokl Akad Nauk SSSR** 1987;293(3):748–51 **(Rus)**

[2,3,7,8–Tetrachlorodibenzo–p–dioxin induces the biosynthesis of highly active benzo(a)pyrene hydroxylase in liver microsomes] Tsyrlov IB, et al. **Dokl Akad Nauk SSSR** 1986;290(5):1271–3 **(Rus)**

[Sovol as an inducer of procarcinogen activating microsomal enzymes] Belitskil GA, et al. **Eksp Onkol** 1987;9(3):20–3 (Enge. Abstr.) **(Rus)**

[Function of the cytochrome P–450–dependent metabolic system during the development of an immune response] Khlopushina TG, et al. **Farmakol Toksikol** 1987 May–Jun; 50(3):55–8 (Eng. Abstr.) **(Rus)**

[Effect of anticonvulsant agents, inducers of microsomal oxidation, on the B–link of immunity and on the natural cytotoxicity of lymphoid organ cells in rats] Saratikov AS, et al. **Farmakol Toksikol** 1987 Jan–Feb;50(1):52–7 (Eng. Abstr.) **(Rus)**

[Relation between the resistance of rats to acute hypoxic hypoxia and the activity of the liver microsomal oxidation system] Gorchakova LA. **Fiziol Zh** 1987 May–Jun; 33(3):53–8 (Eng. Abstr.) **(Rus)**

[Enzymatic activity of microsomal hydroxylation in chronic liver diseases] Matiushin BN, et al. **Patol Fiziol Eksp Ter** 1987 May–Jun;(3):73–6 (Eng. Abstr.) **(Rus)**

[Factors regulating mono–oxygenase induction by phenobarbital xenobiotics] Tsyrlov IB, et al. **Ukr Biokhim Zh** 1987 Jan–Feb;59(1):39–44 (Eng. Abstr.) **(Rus)**

[Testing the monooxygenase enzyme system of the liver using the antipyrine test in psoriasis patients] Akovbian VA, et al. **Vestn Dermatol Venerol** 1986;(9):38–41 (Eng. Abstr.) **(Rus)**

[Induction of microsomal monooxygenases by an isopropyl derivative of aminopyrine] Gerasimov KE, et al. **Vopr Med Khim** 1987 Mar–Apr;33(2):96–100 (Eng. Abstr.) **(Rus)**

[Functional state of the hepatocyte cytoplasmic network in rats with thermal burns] Khakimov ZZ, et al. **Vopr Med Khim** 1987 Mar–Apr;33(2):48–51 (Eng. Abstr.) **(Rus)**

[Effect of acrylates on the level and isozyme composition of cytochrome P–450 in rat liver microsomes] Kotlovskil IuV, et al. **Vopr Med Khim** 1987 Jan–Feb;33(1):96–100 (Eng. Abstr.) **(Rus)**

[The state of the microsomal oxidative system in the liver of rats with acute osteomyelitis of the mandible] Nadzhimutdinov KN, et al. **Vopr Med Khim** 1987 May–Jun; 33(3):101–4 (Eng. Abstr.) **(Rus)**

[Effect of modifiers of the cytochrome P–450–dependent enzyme system of the liver on the metabolic pathways of diethylnitrosamine activation and inactivation] Shuliakovskaia TS, et al. **Vopr Onkol** 1987;33(1):78–83 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunochemical subfractionation of a microsomal fraction of rat liver with antibody–coated Staphylococcus aureus cells. Moriyasu M, et al. **Cell Struct Funct** 1986 Dec; 11(4):351–8

Chronic active hepatitis associated with liver–kidney microsomal antibody of an autoimmune type. Two familial cases. Buffet C, et al. **Dig Dis Sci** 1986 Nov;31(11):1273–6

METABOLISM

Effect of a heme–peptide derived from cytochrome–c on lipid peroxidation. II. Experiments with liver microsomes. Venekei I, et al. **Acta Biochim Biophys Hung** 1986; 21(1–2):13–22

Bile pigments inhibit microsomal lipid peroxidation. Wolfram I, et al. **Acta Biochim Biophys Hung** 1986;21(4):307–11

Dolichol biosynthesis in rat liver peroxisomes. Appelkvist EL. **Acta Chem Scand [B]** 1987 Jan;41(1):73–5

Stearic acid desaturation in rat liver microsomes: stimulation by fatty acid binding protein. Catalá A. **Acta Physiol Pharmacol Latinoam** 1986;36(1):19–27

Enzyme catalysed cleavage of the N–N bond of N–nitrosamines. Appel KE, et al. **Adv Exp Med Biol** 1986; 197:959–70

S9–dependent activation of 1–nitropyrene and 3–nitrofluoranthene in bacterial mutagenicity assays. Ball LM, et al. **Adv Exp Med Biol** 1986;197:781–8

Conversion of phenytoin to reactive metabolites in rat liver microsomes. Billings RE, et al. **Adv Exp Med Biol** 1986; 197:931–9

Biological reactive intermediates of pyrrolizidine alkaloids. Buhler DR, et al. **Adv Exp Med Biol** 1986;197:611–20

Activation of nitrosamines to mutagens by rat and rabbit nasal, lung and liver S–9 homogenates. Dahl AR. **Adv Exp Med Biol** 1986;197:367–72

Activation of cytochrome P–450 heme in vivo. Davies HW, et al. **Adv Exp Med Biol** 1986;197:253–61

Isomeric composition of N–alkylated protoporphyrins produced by substituted dihydropyridines in vivo and in vitro. De Matteis F, et al. **Adv Exp Med Biol** 1986; 197:163–70

Monoclonal antibody–directed analysis of cytochrome P–450. Friedman FK, et al. **Adv Exp Med Biol** 1986; 197:145–54

Comparison of the metabolism of benzene and its metabolite phenol in rat liver microsomes. Gilmour SK, et al. **Adv Exp Med Biol** 1986;197:223–35

Chemistry of covalent binding: studies with bromobenzene and thiobenzamide. Hanzlik RP. **Adv Exp Med Biol** 1986; 197:31–40

Use of the chemiluminigenic probes luminol and lucigenin for the detection of active oxygen species in hepatic microsomes and in intact hepatocytes. Hildebrandt AG, et al. **Adv Exp Med Biol** 1986;197:971–80

p–Nitrosophenetole: a reactive intermediate of phenacetin that binds to protein. Hinson JA, et al. **Adv Exp Med Biol** 1986;197:691–6

In vitro covalent binding of 14C–mibolerone to rat liver microsomes. Jaglan PS. **Adv Exp Med Biol** 1986;197:919–24

Clofibrate selectively induces azoreduction of dimethylaminoazobenzene (DAB) by rat liver microsomes. Levine WG, et al. **Adv Exp Med Biol** 1986;197:861–70

Formation and identification of naphthoquinone glutathione conjugates following microsomal metabolism of 1–naphthol. Miller MG, et al. **Adv Exp Med Biol** 1986; 197:391–7

Studies on the mechanism of activation and the mutagenicity of ronidazole, a 5–nitroimidazole. Miwa GT, et al. **Adv Exp Med Biol** 1986;197:527–35

Age and sex differences in constitutive forms of cytochrome P–450 of rat liver microsomes. Schenkman JB, et al. **Adv Exp Med Biol** 1986;197:107–17

Epoxidation of 1,3–butadiene in liver and lung tissue of mouse, rat, monkey and man. Schmidt U, et al. **Adv Exp Med Biol** 1986;197:951–7

Indole–3–carbinol inhibits lipid peroxidation in cell–free systems. Shertzer HG, et al. **Adv Exp Med Biol** 1986; 197:347–56

Effect of suicide substrate on the metabolism of steroids and xenobiotics and on cytochrome P–450 apoproteins. Tephly TR, et al. **Adv Exp Med Biol** 1986;197:243–51

Mechanism of the cytochrome P–450 catalyzed isomerization of hydroperoxides. Wand MD, et al. **Adv Exp Med Biol** 1986;197:337–46

Stereoselectivity of rat liver cytochrome P–450 isozymes: direct determination of enantiomeric composition of K–region epoxides formed in the metabolism of benz[a]anthracene and 7,12–dimethylbenz[a]anthracene. Yang SK, et al. **Adv Exp Med Biol** 1986;197:809–18

Hepatic microsomal ethanol–oxidizing system (MEOS): metabolic aspects and clinical implications. Teschke R, et al. **Alcoholism (NY)** 1986;10(6 Suppl):20S–32S (161 ref.)

Microsomal activation of constituents of white snakeroot (Eupatorium rugosum Houtt) to form toxic products. Beier RC, et al. **Am J Vet Res** 1987 Apr;48(4):583–5

Microsomal generation of hydroxyl radicals: its role in microsomal ethanol oxidizing system (MEOS) activity and requirement for iron. Cederbaum AI. **Ann NY Acad Sci** 1987;492:35–49

The microsomal ethanol oxidizing system and its interaction with other drugs, carcinogens, and vitamins. Lieber CS, et al. **Ann NY Acad Sci** 1987;492:11–24

Membrane structural alterations caused by chronic ethanol consumption: the molecular basis of membrane tolerance. Taraschi TF, et al. **Ann NY Acad Sci** 1987;492:171–80

Digitoxin metabolism by liver microsomal cytochrome P–450 and UDP–glucuronosyltransferase and its role in the protection of rats from digitoxin toxicity by pregnenolone–16 alpha–carbonitrile. Arlotto MP, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):188–97

Effect of W7 on Ca2+ uptake and Ca2+–ATPase activities of the endoplasmic reticulum of rat liver. Chan KM, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):472–9

Vanadate–dependent oxidation of pyridine nucleotides in rat liver microsomal membranes. Coulombe RA Jr, et al. **Arch Biochem Biophys** 1987 Jun;255(2):267–73

Oxidation of esterified arachidonate by rat liver microsomes. Davis HW, et al. **Arch Biochem Biophys** 1987 Jan; 252(1):218–28

Purification and characterization of the dog hepatic cytochrome P–450 isozyme responsible for the metabolism of 2,2',4,4',5,5'–hexachlorobiphenyl. Duignan DB, et al. **Arch Biochem Biophys** 1987 Jun;255(2):290–303

Studies on the rate–determining factor in testosterone hydroxylation by rat liver microsomal cytochrome P–450: evidence against cytochrome P–450 isozyme:isozyme interactions. Dutton DR, et al. **Arch Biochem Biophys** 1987 Jun;255(2):316–28

Distinct temporal relation among oxygen uptake, malondialdehyde formation, and low–level chemiluminescence during microsomal lipid peroxidation. Noll T, et al. **Arch Biochem Biophys** 1987 Jan;252(1):284–91

Production of 4–hydroxypyrazole from the interaction of the alcohol dehydrogenase inhibitor pyrazole with hydroxyl radical. Puntarulo S, et al. **Arch Biochem Biophys** 1987 Jun; 255(2):217–25

Dicoumarol–sensitive glucuronidation of benzo(a)pyrene metabolites in rat liver microsomes. Segura–Aguilar JE, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):266–75

The mechanism of cumene hydroperoxide–dependent lipid peroxidation: the significance of oxygen uptake. Weiss RH, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):336–47

The mechanism of cumene hydroperoxide–dependent lipid peroxidation: the function of cytochrome P–450. Weiss RH, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):348–60

Species and sex differences in the liver microsomal nitroreductive biotransformation of nifurtimox and benznidazole. Aguilar EG, et al. **Arch Int Pharmacodyn Ther** 1987 Jun;287(2):181–7

Consumption of pentane by hepatic microsomes and consequences on pentane measurement in exhaled gases. Deby C, et al. **Arch Int Physiol Biochim** 1986 Dec; 94(5):S19–21

The oxidation of isomeric amino and acetamidobiphenyls by rat hepatic microsomal preparations. Bayraktar N, et al. **Arch Toxicol** 1987;60(1–3):91–2

Interaction of carbon tetrachloride and progesterone metabolism in liver microsomes from triacetyloleandomycin–treated rats. Larroque C, et al. **Arch Toxicol** 1987;60(1–3):122–3

Influence of age, hexobarbital, and aniline on NADPH/NADH dependent hydrogen peroxide production in rat hepatic microsomes. Klinger W, et al. **Arch Toxicol [Suppl]** 1986;9:382–5

Oxidative and reductive biotransformation of chloroform in mouse liver microsomes. Testai E, et al. **Arch Toxicol [Suppl]** 1987;11:42–4

Two K–regions of 5–methylchrysene are sites of oxidative metabolism. Bao Z, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):734–40

Protein and lipid disturbances in rat liver microsomal membranes after bile duct ligation. Bengochea L, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):980–5

Xanthine oxidase–catalyzed DNA binding of dihydrodiol derivatives of nitro–polycyclic aromatic hydrocarbons. Colvert KK, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):245–50

Cobalt–protoporphyrin causes prolonged inhibition of catechol estrogen synthesis by rat liver microsomes. Galbraith RA, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):376–83

Anti–lipoperoxidation action of food restriction. Laganiere S, et al. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1185–91

Do rat hepatic microsomes contain multiple NADPH–supported fatty acid chain elongation pathways or a single pathway? Nagi MN, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):74–80

Omega–hydroxylation of N–acetylleukotriene E4 by rat liver microsomes. Orning L. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):337–44

Reduction of vanadate by a microsomal redox system. Patole MS, et al. **Biochem Biophys Res Commun** 1986 Nov 26; 141(1):171–5

Inhibitory effect of female hormones on lipid peroxidation. Yagi K, et al. **Biochem Int** 1986 Dec;13(6):1051–5

Effect of liposomal phospholipid composition on cholesterol transfer between microsomal and liposomal vesicles. Bhuvaneswaran C, et al. **Biochem J** 1986 Sep 15; 238(3):647–52

Activation of hypolipidaemic drugs to acyl-coenzyme A thioesters. Bronfman M, et al. **Biochem J** 1986 Nov 1; 239(3):781–4

Inhibition of microsomal oxidation of ethanol by pyrazole and 4-methylpyrazole in vitro. Increased effectiveness after induction by pyrazole and 4-methylpyrazole. Feierman DE, et al. **Biochem J** 1986 Nov 1;239(3):671–7

The stimulatory effects of asbestos on NADPH-dependent lipid peroxidation in rat liver microsomes. Fontecave M, et al. **Biochem J** 1987 Jan 15;241(2):561–5

Glucocorticoids increase the fluidity of the fetal-rat liver microsomal membrane in the perinatal period. Kapitulnik J, et al. **Biochem J** 1986 Oct 1;239(1):41–5

Recovery of dolichyl diphosphate oligosaccharide in methanolic aqueous phase prepared from rat liver microsomal fractions. Sarkar M, et al. **Biochem J** 1986 Jun 15;236(3):913–6

Heterogeneity of growth-hormone receptors detected with monoclonal antibodies to human growth hormone. Thomas H, et al. **Biochem J** 1987 Apr 15;243(2):365–72

Microsomal binding sites for antioestrogens in rat liver. Properties and detergent solubilization. Watts CK, et al. **Biochem J** 1986 Jun 15;236(3):903–11

Lipid alterations in liver and kidney induced by normobaric hyperoxia: correlations with changes in microsomal membrane fluidity. Casals C, et al. **Biochem Med Metab Biol** 1987 Jun;37(3):269–81

Metabolism of alkoxyphenoxazones by channel catfish liver microsomes: effects of phenobarbital, Aroclor 1254 and 3-methylcholanthrene. Ankley GT, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1379–81

Stabilization of the reduced halocarbon-cytochrome P-450 complex of halothane by N-alkanes. Baker MT, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):1029–34

Oxidative metabolism of carbon disulfide by isolated rat hepatocytes and microsomes. Chengelis CP, et al. **Biochem Pharmacol** 1987 Feb 1;36(3):363–8

The effect of neuroleptics on imipramine demethylation in rat liver microsomes and imipramine and desipramine level in the rat brain. Daniel W, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3249–53

Evidence for the microsomal metabolism of glycolonitrile. Freeman JJ, et al. **Biochem Pharmacol** 1987 Jan 1; 36(1):184–7

Incorporation of cytochrome b5 into rat liver microsomal membranes. Impairment of cytochrome P-450-dependent mixed function oxidase activity. Gibson GG, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4431–6

Biotransformation of caffeine by microsomes from human liver. Kinetics and inhibition studies. Grant DM, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1251–60

In vitro metabolism of etoposide (VP-16-213) by liver microsomes and irreversible binding of reactive intermediates to microsomal proteins. Haim N, et al. **Biochem Pharmacol** 1987 Feb 15;36(4):527–36

Dichloro-p-nitroanisole (DPNA)-demethylation not specifically induced by phenobarbitone in mice. Heubel F, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2867–9

NADPH- and linoleic acid hydroperoxide-induced lipid peroxidation and destruction of cytochrome P-450 in hepatic microsomes. Iba MM, et al. **Biochem Pharmacol** 1987 May 1;36(9):1447–55

Metabolic activation of hydralazine by rat liver microsomes. LaCagnin LB, et al. **Biochem Pharmacol** 1987 Aug 15; 36(16):2667–72

The effect of lipid composition on the metabolism of lignocaine by a reconstituted mixed function oxidase system from rat liver. Meftah NM, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1203–7

Hepatic oxidative drug metabolism and the microsomal milieu in a rat model of congenital hyperbilirubinemia. Meredith CG, et al. **Biochem Pharmacol** 1986 Nov 1; 35(21):3831–7

Kinetic studies on benzene metabolism in rat liver--possible presence of three forms of benzene metabolizing enzymes in the liver. Nakajima T, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2799–804

Participation of microsomal electron transport systems in nicotine metabolism by livers of guinea pigs. Nakayama H, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4343–5

Generation of photoemissive species by mitomycin C redox cycling in rat liver microsomes. Napetschnig S, et al. **Biochem Pharmacol** 1987 May 15;36(10):1617–21

The inducibility and ontogeny of rat liver UDP-glucuronyltransferase toward furosemide. Rachmel A, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3777–82

Effect of hypolipidemic drugs on the metabolism of lauric acid and dimethylaminoazobenzene by rat liver microsomes. Raza H, et al. **Biochem Pharmacol** 1987 Mar 1;36(5):774–8

Effect of oxygen tension on the generation of alkanes and malondialdehyde by peroxidizing rat liver microsomes. Reiter R, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):925–9

Major differences between lung, skin and liver in the microsomal metabolism of homologous series of resorufin and coumarin ethers. Rettie AE, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3495–500

The inhibitory effect of p-trifluoromethyl substitution on the hepatic microsomal metabolism of benzyl phenyl sulphide. Seago A, et al. **Biochem Pharmacol** 1987 Feb 1;36(3):400–3

Irreversible binding and metabolism of propranolol by human liver microsomes--relationship to polymorphic oxidation. Shaw L, et al. **Biochem Pharmacol** 1987 Jul 15; 36(14):2283–8

Production of superoxide anion radicals during the oxidative metabolism of amino-chloramphenicol. Teo S, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4584–6

Rat lung and liver microsomal cytochrome P-450 isozymes involved in the hydroxylation of n-hexane. Toftgård R, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3733–8

Role of hepatic microsomal and purified cytochrome P-450 in one-electron reduction of two quinone imines and concomitant reduction of molecular oxygen. van de Straat R, et al. **Biochem Pharmacol** 1987 Mar 1;36(5):613–9

Binding of reactive metabolites of CCl4 to specific microsomal proteins. Vittozzi L, et al. **Biochem Pharmacol** 1987 May 1;36(9):1401–6

Mechanism-based in vivo inactivation of lauric acid hydroxylases. CaJacob CA, et al. **Biochemistry** 1986 Aug 12;25(16):4705–11

Cholesterol-dependent modification of microsomal dynamics and UDPglucuronyltransferase kinetics. Castuma CE, et al. **Biochemistry** 1986 Aug 26;25(17):4733–8

3-(Trifluoromethyl)-3-(m-[125I]iodophenyl)diazirine photolabels a substrate-binding site of rat hepatic cytochrome P-450 form PB-4. Frey AB, et al. **Biochemistry** 1986 Aug 26;25(17):4797–803

Prochiral selectivity and intramolecular isotope effects in the cytochrome P-450 catalyzed omega-hydroxylation of cumene. Sugiyama K, et al. **Biochemistry** 1986 Nov 18; 25(23):7336–43

Cytochrome P-450 mediated reductive dehalogenation of the perhalogenated aromatic compound hexachlorobenzene. Takazawa RS, et al. **Biochemistry** 1986 Aug 26; 25(17):4804–9

Cloning and sequence determination of a complementary DNA related to human liver microsomal cytochrome P-450 S-mephenytoin 4-hydroxylase. Umbenhauer DR, et al. **Biochemistry** 1987 Feb 24;26(4):1094–9

Zwitterionic detergent mediated interaction of purified cytochrome P-450LM4 from 5,6-benzoflavone-treated rabbits with MADPH-cytochrome P-450 reductase. Wagner SL, et al. **Biochemistry** 1987 Apr 21;26(8):2343–8

Mephenytoin-type polymorphism of drug oxidation: purification and characterization of a human liver cytochrome P-450 isozyme catalyzing microsomal mephenytoin hydroxylation. Gut J, et al. **Biochim Biophys Acta** 1986 Dec 10;884(3):435–47

Inverse relationship of ethane or n-pentane and malondialdehyde formed during lipid peroxidation in rat liver microsomes with different oxygen concentrations. Kostrucha J, et al. **Biochim Biophys Acta** 1986 Nov 14; 879(2):120–5

Studies on the interrelated stimulation of microsomal omega-oxidation and peroxisomal beta-oxidation in rat liver with a partially hydrogenated fish oil diet. Nilsson A, et al. **Biochim Biophys Acta** 1987 Jul 31;920(2):114–9

The effect of high-fat diets on microsomal lauric acid hydroxylation in rat liver. Nilsson A, et al. **Biochim Biophys Acta** 1986 Nov 14;879(2):209–14

Relation between lipid polymorphism and transbilayer movement of lipids in rat liver microsomes. van Duijn G, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):193–204

Kinetics of NADPH-dependent lipid peroxidation and a possible initiation-preventing antioxidant effect of microsomal (+)-alpha-tocopherol. Venekei I. **Biochim Biophys Acta** 1987 Feb 23;917(3):347–55

Indomethacin metabolism in liver microsomes during postnatal development in the rat. Clozel M, et al. **Biol Neonate** 1986;50(2):83–90

Reversible activation/inactivation of the deacylation/acylation cycle in rat liver microsomes. Hutson JL, et al. **Biosci Rep** 1987 Jan;7(1):73–80

The metabolism of 17 alpha-ethinyloestradiol by human liver microsomes: formation of catechol and chemically reactive metabolites. Purba HS, et al. **Br J Clin Pharmacol** 1987 Apr;23(4):447–53

Ethoxyresorufin O-deethylation by human liver microsomes. Williams FM, et al. **Br J Clin Pharmacol** 1986 Sep; 22(3):263–8

Effect of chlorpromazine on the synthesis, hydrolysis, and transfer of microsomal cytidine liponucleotides and mitochondrial polyglycerophosphatides. Stuhne-Sekalec L, et al. **Can J Physiol Pharmacol** 1987 Mar;65(3):377–84

Short-term quantitative in vitro cytotoxicity assay involving an S-9 activating system. Borenfreund E, et al. **Cancer Lett** 1987 Mar;34(3):243–8

Action of vitamin A on DNA adduct formation by aflatoxin B1 in a microsome catalyzed reaction. Firozi PF, et al. **Cancer Lett** 1987 Feb;34(2):213–20

Monooxygenase induction by various xenobiotics and its influence on rat liver microsomal metabolism of chrysene in comparison to benz[a]anthracene. Jacob J, et al. **Cancer Lett** 1987 Jan;34(1):91–102

Differential effects on the metabolism of dimethylnitrosamine and aflatoxin B1 by hepatic microsomes from senescent rats. Prasanna HR, et al. **Cancer Lett** 1986 Dec;33(3):259–67

Effect of purified rat and hamster hepatic glutathione S-transferases on the microsome mediated binding of aflatoxin B1 to DNA. Raj HG, et al. **Cancer Lett** 1986 Oct;33(1):1–9

Metabolism of 7,8-dihydrobenzo(a)pyrene by rat liver microsomal enzymes and mutagenicity of metabolites. Chiu PL, et al. **Cancer Res** 1986 Oct;46(10):5084–94

N-glucuronidation of carcinogenic aromatic amines catalyzed by rat hepatic microsomal preparations and purified rat liver uridine 5'-diphosphate-glucuronosyltransferases. Green MD, et al. **Cancer Res** 1987 Apr 15;47(8):2028–31

Concurrent generation of methylamine and nitrite during denitrosation of N-nitrosodimethylamine by rat liver microsomes. Keefer LK, et al. **Cancer Res** 1987 Jan 15; 47(2):447–52

alpha-Naphthoflavone metabolized by 2,3,7,8-tetrachlorodibenzo(p)dioxin-induced rat liver microsomes: a potent clastogen in Chinese hamster ovary cells. Lundgren K, et al. **Cancer Res** 1987 Jul 15; 47(14):3662–6

Enhancement of rat liver microsomal metabolism of azoxymethane to methylazoxymethanol by chronic ethanol administration: similarity to the microsomal metabolism of N-nitrosodimethylamine. Sohn OS, et al. **Cancer Res** 1987 Jun 15;47(12):3123–9

Deuterium isotope effect on denitrosation and demethylation of N-nitrosodimethylamine by rat liver microsomes. Wade D, et al. **Cancer Res** 1987 Jul 1;47(13):3373–7

Metabolism and activation of N-nitrosodimethylamine by hamster and rat microsomes: comparative study with weanling and adult animals. Yoo JS, et al. **Cancer Res** 1987 Feb 15;47(4):992–8

Biosynthesis of D-glucaric acid in mammals: a free-radical mechanism? Marsh CA. **Carbohydr Res** 1986 Sep 15; 153(1):119–31

Metabolism of 1-nitrobenzo[a]pyrene by rat liver microsomes to potent mutagenic metabolites. Chou MW, et al. **Carcinogenesis** 1986 Nov;7(11):1837–44

The metabolism of N-nitrosobis(2-oxopropyl)amine by microsomes and hepatocytes from Fischer 344 rats. Farrelly JG, et al. **Carcinogenesis** 1987 Aug;8(8):1095–9

Effect of the nitro group conformation on the rat liver microsomal metabolism and bacterial mutagenicity of 2- and 9-nitroanthracene. Fu PP, et al. **Carcinogenesis** 1986 Nov;7(11):1819–27

Dibenz [a,j]acridine: distributions of metabolites formed by liver and lung microsomes from control and pretreated rats. Gill JH, et al. **Carcinogenesis** 1987 Mar;8(3):425–31

Covalent binding of estrogen metabolites to hamster liver microsomal proteins: inhibition by ascorbic acid and catechol-O-methyl transferase. Haaf H, et al. **Carcinogenesis** 1987 Feb;8(2):209–15

The metabolism of indole alkaloid tumor promoter, (-)-indolactam V, which has the fundamental structure of teleocidins, by rat liver microsomes. Hagiwara N, et al. **Carcinogenesis** 1987 Jul;8(7):963–5

Mutagenicity studies of different polycyclic aromatic hydrocarbons: the significance of enzymatic factors and molecular structure. Pahlman R, et al. **Carcinogenesis** 1987 Jun;8(6):773–8

Metabolism of dibenz[a,h]acridine by rat liver microsomes. Steward AR, et al. **Carcinogenesis** 1987 Aug;8(8):1043–50

In vivo formation of sigma-methyl- and sigma-phenyl-ferric complexes of hemoglobin and liver-cytochrome P-450 upon treatment of rats with methyl- and phenylhydrazine. Delaforge M, et al. **Chem Biol Interact** 1986 Oct 15; 60(1):101–13

Increased stability of (+/-)-7 beta,8 alpha-dihydroxy-9 alpha,10 alpha-epoxy-7,8,9,10-tetrahydrobenzo [a]pyrene through interaction with subcellular fractions of rat liver. Dock L, et al. **Chem Biol Interact** 1987 Jan;61(1):31–44

Changes in hepatic dolichol and dolichyl monophosphate caused by treatment of rats with inducers of the endoplasmic reticulum and peroxisomes and during ontogeny. Edlund C, et al. **Chem Biol Interact** 1987; 62(2):191–208

Product inhibition of benzo[a]pyrene metabolism in uninduced rat liver microsomes: effect of diol epoxide formation. Keller GM, et al. **Chem Biol Interact** 1987 Feb; 61(2):159–75

The microsomal metabolism of pentachlorophenol and its covalent binding to protein and DNA. van Ommen B, et al. **Chem Biol Interact** 1986 Oct 15;60(1):1–11

Regioselectivity in rat microsomal metabolism of benzo[a]pyrene: evidence for involvement of two distinct binding sites. Wong AK, et al. **Chem Biol Interact** 1986 Jul-Aug;59(1):113–26

The effects of metabolic activation on the mutagenicity of aminoacridines. Fukunaga M, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):792–7

The beta-glucosidation and beta-glucuronidation of pantothenic acid compared with p-nitrophenol in dog liver microsome. Nakano K, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep;34(9):3949–52

Studies on the oxidation of 5H-N-substituted dibenz[b,f]azepines. III. Oxidative metabolism by rat liver microsomes. Ohta T, et al. **Chem Pharm Bull (Tokyo)** 1986 Jun;34(6):2494–500

Effect of

6-(10-hydroxydecyl)-2,3-dimethoxy-5-methyl-1,4-benzoquinone (CV-2619) on microsomal lipid peroxidation. Okamoto K, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul; 34(7):2821-7

Studies on protection by glutathione against lipid peroxidation in rat liver microsomes. Effect of bromosulfophthalein. Yonaha M, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4195-201

Pulmonary disease and antipyrine clearance. Laybourn C, et al. **Clin Pharmacol Ther** 1986 Oct;40(4):415-9

Characterization of insulin binding to bovine liver and mammary microsomes. Smith DH, et al. **Comp Biochem Physiol [A]** 1986;85(1):161-9

Hydroxylation and glucuronidation of various xenobiotics by hepatic microsomes from the fetal lamb, pregnant ewe and human fetus. Dvorchik BH, et al. **Dev Pharmacol Ther** 1986;9(4):282-9

Biotransformation of felodipine in liver microsomes from rat, dog, and man. Bäärnhielm C, et al. **Drug Metab Dispos** 1986 Sep-Oct;14(5):613-8

Metabolism of cyclosporin A. II. Implication of the macrolide antibiotic inducible cytochrome P-450 3c from rabbit liver microsomes. Bertault-Peres P, et al. **Drug Metab Dispos** 1987 May-Jun;15(3):391-8

The formation of procainamide hydroxylamine by rat and human liver microsomes. Budinsky RA, et al. **Drug Metab Dispos** 1987 Jan-Feb;15(1):37-43

Conversion of melphalan to 4-(glutathionyl)phenylalanine. A novel mechanism for conjugation by glutathione-S-transferases. Dulik DM, et al. **Drug Metab Dispos** 1987 Mar-Apr;15(2):195-9

The oxidative metabolism of hydralazine by rat liver microsomes. LaCagnin LB, et al. **Drug Metab Dispos** 1986 Sep-Oct;14(5):549-54

An unusual metabolite of testosterone. 17 beta-Hydroxy-4,6-androstadiene-3-one. Nagata K, et al. **Drug Metab Dispos** 1986 Sep-Oct;14(5):559-65

Microsomal metabolism of pyrrolizidine alkaloids from Senecio jacobaea. Isolation and quantification of 6,7-dihydro-7-hydroxy-1-hydroxymethyl-5H-pyrrolizine and N-oxides by high performance liquid chromatography. Ramsdell HS, et al. **Drug Metab Dispos** 1987 Jan-Feb; 15(1):32-6

Metabolism of 2,6-dimethylnaphthalene by rat liver microsomes and effect of its administration on glutathione depletion in vivo. Shamsuddin ZA, et al. **Drug Metab Dispos** 1986 Nov-Dec;14(6):724-32

Metabolism of N,N-diethyl-meta-toluamide by rat liver microsomes. Taylor WG. **Drug Metab Dispos** 1986 Sep-Oct;14(5):532-9

Metabolism of the beta-carbolines, harmine and harmol, by liver microsomes from phenobarbitone- or 3-methylcholanthrene-treated mice. Identification and quantitation of two novel harmine metabolites. Tweedie DJ, et al. **Drug Metab Dispos** 1987 Jan-Feb;15(1):74-81

Hepatic prolactin receptors in the rat: characterization using monoclonal antireceptor antibodies. Katoh M, et al. **Endocrinology** 1987 Feb;120(2):739-49

Modulation of catechol estrogen synthesis by rat liver microsomes: effects of treatment with growth hormone or testosterone. Quail JA, et al. **Endocrinology** 1987 Sep; 121(3):987-92

Development of an intact hepatocyte activation system for routine use with the mouse lymphoma assay. Brock KH, et al. **Environ Mutagen** 1987;9(3):331-41

The effect of chronic felbamate administration on anticonvulsant activity and hepatic drug-metabolizing enzymes in mice and rats. Swinyard EA, et al. **Epilepsia** 1987 May-Jun;28(3):295-300

Glucose-6-phosphate oxidation pathway in rat-liver microsomal vesicles. Stimulation under oxidative stress. Hino Y, et al. **Eur J Biochem** 1987 May 15;165(1):195-9

Stereo- and regioselectivity of hepatic oxidation in man--effect of the debrisoquine/sparteine phenotype on bufuralol hydroxylation. Dayer P, et al. **Eur J Clin Pharmacol** 1986;31(3):313-8

'In vitro' metabolism of N-picolyl-3,5-dimethylbenzamides. Caputo O, et al. **Eur J Drug Metab Pharmacokinet** 1986 Apr-Jun;11(2):91-9

Restoration of hydroperoxide-dependent lipid peroxidation by 3-methylcholanthrene induction of cytochrome P-448 in hepatoma microsomes. Borrello S, et al. **FEBS Lett** 1986 Dec 15;209(2):305-10

Effect of chronic ethanol consumption on microsomal lipid peroxidation. Role of iron and comparison between controls. Krikun G, et al. **FEBS Lett** 1986 Nov 24; 208(2):292-6

Polyethylene glycol-stimulated microsomal GTP hydrolysis. Relationship to GTP-mediated Ca2+ release. Nicchitta CV, et al. **FEBS Lett** 1986 Dec 15;209(2):243-8

Impaired calcium sequestration activity in liver microsomes from fasted rats. Osuna C, et al. **FEBS Lett** 1987 Jan 19; 211(1):41-3

Iron binding to microsomes and liposomes in relation to lipid peroxidation. Vile GF, et al. **FEBS Lett** 1987 May 4; 215(1):151-4

Lack of hepatic microsomal metabolism of deoxynivalenol and its metabolite, DOM-1. Côté LM, et al. **Food Chem Toxicol** 1987 Apr;25(4):291-5

Selective reduction of hepatic cytochrome P450 content in patients with intrahepatic cholestasis. A mechanism for impairment of microsomal drug oxidation. Kawata S, et al. **Gastroenterology** 1987 Feb;92(2):299-303

Patterns and regulation of estradiol metabolism by hepatic microsomes from two species of marine teleosts. Snowberger EA, et al. **Gen Comp Endocrinol** 1987 May; 66(2):256-65

Genetically determined polymorphisms in drug oxidation. Jacqz E, et al. **Hepatology** 1986 Sep-Oct;6(5):1020-32

Fetal and adult human liver differ markedly in the fluidity and lipid composition of their microsomal membranes. Kapitulnik J, et al. **Hepatology** 1987 Jan-Feb;7(1):55-60

Metabolism of hexachlorobenzene by rat-liver microsomes. Stewart FP, et al. **IARC Sci Publ** 1986;(77):325-7

The microsomal oxidation of hexachlorobenzene to pentachlorophenol: effect of inducing agents. van Ommen B, et al. **IARC Sci Publ** 1986;(77):323-4

Evaluation of carcinogenicity of infusions from green tea leaves by microsomal degranulation technique. Minocha R, et al. **Indian J Exp Biol** 1986 Apr;24(4):224-8

Mutagenic and genotoxic activities of certain organophosphorus compounds, using Ames Salmonella assay, with and without microsomal induction. Vishwanath R, et al. **Indian J Exp Biol** 1986 May;24(5):305-8

Induction and catalytic activities of cytochromes P-450b/e and P-450c in the liver microsomes of neonatal rats. Gulyaeva LF, et al. **Int J Biochem** 1986;18(9):829-34

Biological effects of acetomycin. II. Inactivation by esterases in vitro. Mamber SW, et al. **J Antibiot (Tokyo)** 1987 Jan; 40(1):77-80

Effect of growth hormone and ectopic transplantation of pituitary gland on sex-specific forms of cytochrome P-450 and testosterone and drug oxidations in rat liver. Kato R, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):895-902

Sex differences in cytochrome P-450-dependent 25-hydroxylation of C27-steroids and vitamin D3 in rat liver microsomes. Andersson S, et al. **J Biol Chem** 1986 Dec 25;261(36):16932-6

Microsome-stimulated activation of ferrous bleomycin in the presence of DNA. Ciriolo MR, et al. **J Biol Chem** 1987 May 5;262(13):6290-5

Oxidative cleavage of carboxylic esters by cytochrome P-450. Guengerich FP. **J Biol Chem** 1987 Jun 25; 262(18):8459-62

O-linked N-acetylglucosamine is attached to proteins of the nuclear pore. Evidence for cytoplasmic and nucleoplasmic glycoproteins. Hanover JA, et al. **J Biol Chem** 1987 Jul 15;262(20):9887-94

Cytochrome P-450-mediated redox cycling of estrogens. Liehr JG, et al. **J Biol Chem** 1986 Dec 25;261(36):16865-70

Site of inhibition of rat liver microsomal fatty acid chain elongation system by dec-2-ynoyl coenzyme A. Possible mechanism of inhibition. Nagi MN, et al. **J Biol Chem** 1986 Oct 15;261(29):13598-605

Mapping of genes for cytochromes P-450b, P-450e, P-450g, and P-450h in the rat. Demonstration of two gene clusters with P450-b,e localized on chromosome 1. Rampersaud A, et al. **J Biol Chem** 1987 Apr 25;262(12):5649-53

Endogenous esterification of bilirubin by liver microsomes. Evidence for an intramicrosomal pool of UDP-glucose and lumenal orientation of bilirubin UDP-glycosyltransferase. Vanstapel F, et al. **J Biol Chem** 1987 Apr 5;262(10):4616-23

Determination of the membrane topology of the phenobarbital-inducible rat liver cytochrome P-450 isoenzyme PB-4 using site-specific antibodies. De Lemos-Chiarandini C, et al. **J Cell Biol** 1987 Feb; 104(2):209-19

Gas chromatographic determination of stobadine, N-desmethylstobadine and stobadine N-oxide in rat liver microsomal incubations. Stefek M, et al. **J Chromatogr** 1987 Mar 20;415(1):163-9

Influence of calcium or 1,25-dihydroxyvitamin D3 supplementation on the hepatic microsomal and in vivo metabolism of vitamin D3 in vitamin D-depleted rats. Haddad P, et al. **J Clin Invest** 1986 Dec;78(6):1529-37

Role of the physical state of the hepatic microsomal membrane in the formation of bilirubin diglucuronide. Smith DJ, et al. **J Hepatol** 1987 Feb;4(1):1-7

Indirect mutagen assay in human lymphocyte in the presence of a metabolic activation system. Pohlová H, et al. **J Hyg Epidemiol Microbiol Immunol** 1986;30(4):371-6

Kinetic properties of the glucose-6-phosphate transport system in rat hepatic microsomal membranes. Igarashi Y, et al. **J Inherited Metab Dis** 1985;8(3):153-4

Ontogeny of microsomal activities of triacylglycerol synthesis in guinea pig liver. Coleman RA, et al. **J Lipid Res** 1987 Mar;28(3):320-5

The pool of free cholesterol is not of major importance for regulation of the cholesterol 7 alpha-hydroxylase activity in rat liver microsomes. Einarsson K, et al. **J Lipid Res** 1987 Mar;28(3):253-6

Sidedness of ceramide-phosphoethanolamine synthesis on rat liver and brain microsomal membranes. Malgat M, et al. **J Lipid Res** 1987 Feb;28(2):138-43

Localization of phosphatidylethanolamine in microsomal membranes and regulation of its distribution by the fatty acid composition. Valtersson C, et al. **J Lipid Res** 1986 Jul;27(7):731-41

Stereochemical studies on the cytochrome P-450 catalyzed oxidation of (S)-nicotine to the (S)-nicotine delta 1(5')-iminium species. Peterson LA, et al. **J Med Chem** 1987 Feb;30(2):249-54

Chemical and stereochemical aspects of propranolol metabolism. Diastereomeric 1-(1-hydroxy-2-propylamino)-3-(1-naphthoxy)-2-propanols produced by rat liver microsomal omega-hydroxylation. Shetty HU, et al. **J Med Chem** 1986 Oct;29(10):2004-8

The in-vitro metabolism of [14C]pentobarbitone and [14C]phenobarbitone by hamster liver microsomes. Seago A, et al. **J Pharm Pharmacol** 1987 Feb;39(2):84-9

Mechanism of potentiation of BPMC toxicity by fenthion pretreatment in mice. Miyaoka T, et al. **J Pharmacobiodyn** 1986 Sep;9(9):697-703

Mechanisms behind the inhibitory effect of ethanol on the conjugation of morphine in rat hepatocytes. Bodd E, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):887-90

The role of NADPH- and reduced glutathione-dependent enzymes in the norepinephrine modulation of the ATP-dependent, hepatic microsomal calcium pump: a new pathway for the noradrenergic regulation of cytosolic calcium in the hepatocyte. Erickson RR, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):472-7

Hepatic metabolism of tolbutamide: characterization of the form of cytochrome P-450 involved in methyl hydroxylation and relationship to in vivo disposition. Knodell RG, et al. **J Pharmacol Exp Ther** 1987 Jun; 241(3):1112-9

Mutagen activation of 1,2-dibromo-3-chloropropane by cytosolic glutathione S-transferases and microsomal enzymes. Miller GE, et al. **J Toxicol Environ Health** 1986; 19(4):503-18

Effects of hypophysectomy and growth hormone treatment on sex-specific forms of cytochrome P-450 in relation to drug and steroid metabolisms in rat liver microsomes. Yamazoe Y, et al. **Jpn J Pharmacol** 1986 Nov;42(3):371-82

Spectral and inhibitory interactions of (+/-)-3,4-methylenedioxyamphetamine (MDA) and (+/-)-3,4-methylenedioxymethamphetamine (MDMA) with rat hepatic microsomes. Brady JF, et al. **Life Sci** 1986 Oct 20;39(16):1457-64

Bimodal frequency distribution of rat hepatic vitamin K-dependent carboxylation rate. Cocchetto DM, et al. **Life Sci** 1986 Nov 24;39(21):1977-83

Studies on the effect of inflammation on the synthesis of glucosylated intermediates of glycoprotein biosynthesis in rat liver microsomes. Silvanovich A, et al. **Life Sci** 1987 Feb 2;40(5):461-6

Asymmetric distribution of arachidonic and n-3 polyunsaturated fatty acids in rat liver microsomal membranes under a fat-free diet. Iritani N, et al. **Lipids** 1987 Jan;22(1):45-50

Effect of clofibric acid on the molecular species composition of diacyl glycerophosphocholine of rat liver microsomes. Nakagawa Y, et al. **Lipids** 1986 Oct;21(10):634-8

Effect of high ambient temperature on the lipids and on the activity of enzymes of rat liver microsomes. Suliński A, et al. **Med Pr** 1986;37(3):151-7

Gel entrapment of whole cells in cross-linked prepolymerized polyacrylamide-hydrazide gels. Freeman A. **Methods Enzymol** 1987;135:216-22

Measurement of effect of interferon on drug metabolism. Mannering GJ. **Methods Enzymol** 1986;119:718-25

Measurement of effect of interferon on metabolism of diphenylhydantoin. Sonnenfeld G, et al. **Methods Enzymol** 1986;119:715-8

NADH-dependent polyvanadate reduction by microsomes. Patole MS, et al. **Mol Cell Biochem** 1987 Jun;75(2):161-7

Vanadate-stimulated NADH oxidation in microsomes. Rau M, et al. **Mol Cell Biochem** 1987 Jun;75(2):151-9

Free radical pathways in the in vitro hepatic metabolism of phenelzine. Ortiz de Montellano PR, et al. **Mol Pharmacol** 1987 Feb;31(2):213-9

Stereoselective formations of K-region and non-K-region epoxides in the metabolism of chrysene by rat liver microsomal cytochrome P-450 isozymes. Yang SK, et al. **Mol Pharmacol** 1987 Jul;32(1):73-80

Metabolic conversion of IQ and MeIQ to bacterial mutagens. Alldrick AJ, et al. **Mutat Res** 1986 Nov;163(2):109-14

The effect of dietary imbalances on the activation of benzo[a]pyrene by the metabolizing enzymes from rat liver. Cassano P, et al. **Mutat Res** 1987 Jun;191(2):67-72

The effectiveness of S9 and microsomal mix on activation of cyclophosphamide to induce genotoxicity in human lymphocytes. Kugler U, et al. **Mutat Res** 1987 Mar; 187(3):151-6

Influence of S9 mix in the induction of SOS system by quercetin. Llagostera M, et al. **Mutat Res** 1987 May; 191(1):1-4

Mutagenicity of rat-liver S9 to L5178Y mouse lymphoma cells. Myhr BC, et al. **Mutat Res** 1987 Sep;189(1):27-37

NADPH as rate-limiting factor for microsomal metabolism. An alternative and economic NADPH-generating system for microsomal mono-oxygenase in in vitro genotoxicity studies. Paolini M, et al. **Mutat Res** 1987 May;178(1):11-20

The importance of 2-aminofluorene in the mutagenic activation of 2-acetylaminofluorene. Robertson IG. **Mutat Res** 1986 Nov;175(3):153-7

Inhibitory effect of phenolic compounds on aflatoxin B1 metabolism and induced mutagenesis. San RH, et al. **Mutat Res** 1987 Apr;177(2):229-39

Comparison of S9 fractions from rats, mice, and Chinese hamsters to metabolize dimethylnitrosamine and diethylnitrosamine to intermediates that induce sister-chromatid exchanges in V79 cells. Sirianni SR, et al. **Mutat Res** 1987 May;188(1):7-11

Metabolic activation of emodin in the reconstituted cytochrome P-450 system of the hepatic microsomes of rats. Tanaka H, et al. **Mutat Res** 1987 Feb;176(2):165–70
The mutagenicity of 2-nitrofluoranthene and its in vitro hepatic metabolites. Zielinska B, et al. **Mutat Res** 1987 Apr; 190(4):259–66
The biosynthesis of phosphatidylmannose and related compounds. **Nutr Rev** 1986 Oct;44(10):345–6
Metabolic characterization of human liver microsomal cytochromes P-450 involved in the oxidation of debrisoquine, bufuralol and the carcinogen 2-acetylaminofluorene. McManus ME. **Pharmacol Ther** 1987;33(1):47–53
Distribution of Microcystis aeruginosa peptide toxin and interactions with hepatic microsomes in mice. Brooks WP, et al. **Pharmacol Toxicol** 1987 Mar;60(3):187–91
Human anti-endoplasmic reticulum autoantibodies appearing in a drug-induced hepatitis are directed against a human liver cytochrome P-450 that hydroxylates the drug. Beaune P, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):551–5
cDNA and derived amino acid sequence of ethanol-inducible rabbit liver cytochrome P-450 isozyme 3a (P-450ALC). Khani SC, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(3):638–42
Formation of muconaldehyde, an open-ring metabolite of benzene, in mouse liver microsomes: an additional pathway for toxic metabolites. Latriano L, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8356–60
Hydrocarbon formation in the reductive cleavage of hydroperoxides by cytochrome P-450. Vaz AD, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1172–6
Insulin-like growth factor (IGF) binding in hypophysectomized rat liver microsomes: alteration by a soluble binding moiety. Barenton B, et al. **Reprod Nutr Dev** 1987;27(2B):571–9
Biotransformation of the carcinogen chrysazin by NADPH-microsome system. Kawai K, et al. **Res Commun Chem Pathol Pharmacol** 1986 Nov; 54(2):217–26
25-Hydroxylase activity in subcellular fractions from human liver. Evidence for different rates of mitochondrial hydroxylation of vitamin D2 and D3. Holmberg I, et al. **Scand J Clin Lab Invest** 1986 Dec;46(8):785–90
Cytochrome P-450—catalyzed formation of delta 4-VPA, a toxic metabolite of valproic acid. Rettie AE, et al. **Science** 1987 Feb 20;235(4791):890–3
Cyclophosphamide: interstrain differences in the production of mutagenic metabolites by S9-fractions from liver and kidney in different mutagenicity test systems in vitro and in the teratogenic response in vivo between CBA and C 57 BL mice. Winckler K, et al. **Teratogenesis Carcinog Mutagen** 1987;7(4):399–409
Microsomal activation of fluoranthene to mutagenic metabolites. Babson JR, et al. **Toxicol Appl Pharmacol** 1986 Sep 30;85(3):355–66
Polycyclic aromatic hydrocarbon in vitro cytotoxicity to bluegill BF-2 cells: mediation by S-9 microsomal fraction and temperature. Babich H, et al. **Toxicol Lett** 1987 Apr; 36(2):107–16
Microsomal metabolism of pyrrolizidine alkaloids: N-oxidation of seneciphylline and senecionine. Ramsdell HS, et al. **Toxicol Lett** 1987 Aug;37(3):241–9
In vivo covalent binding of aminofluorene derivatives to mitochondrial liver DNA of rats pretreated with phenobarbital. Wund-Bisseret F, et al. **Toxicol Lett** 1986 Sep;32(3):227–33
Sulfation of N-hydroxy-2-acetylaminofluorene in normal and nodular liver from male Wistar rats. Blanck A, et al. **Toxicol Pathol** 1987;15(1):103–5
Detection of free radical intermediates in the oxidative metabolism of carcinogenic hydrazine derivatives. Tomasi A, et al. **Toxicol Pathol** 1987;15(2):178–83
Effect of pressure on oxidative metabolism of drugs by mouse hepatic microsomes. Marriage HJ, et al. **Undersea Biomed Res** 1986 Sep;13(3):369–81
Characteristics of the microsomal N-hydroxylation of benzamidine to benzamidoxime. Clement B, et al. **Xenobiotica** 1987 Jun;17(6):659–67
Influence of chlordecone and mirex exposure on benzo[a]pyrene metabolism of rat-liver microsomes. Crouch LS, et al. **Xenobiotica** 1987 Jan;17(1):25–34
Interaction of miconazole, ketoconazole and itraconazole with rat-liver microsomes. Lavrijsen K, et al. **Xenobiotica** 1987 Jan;17(1):45–57
Identification of urinary and microsomal metabolites of geranylgeranylacetone in rats. Nishizawa Y, et al. **Xenobiotica** 1987 May;17(5):575–84
Microsomal azoreduction and glucuronidation in the metabolism of dimethylaminoazobenzene by the rat liver. Raza H, et al. **Xenobiotica** 1987 Jun;17(6):669–77
Effect of phenobarbital and beta-naphthoflavone on oxidative metabolism of N,N-dimethyl-4-aminoazobenzene by regenerating rat-liver microsomes and its response to sulphydryl compounds. Raza H, et al. **Xenobiotica** 1986 Sep; 16(9):827–37
[In vitro studies of microsomal n-oxidation of various guanidines] Clement B. **Arch Pharm (Weinheim)** 1986 Nov; 319(11):961–8 (Eng. Abstr.) **(Ger)**
[Inhibition of microsomal oxidation by o-benzoquinone derivatives] Kostiuk VA. **Biokhimiia** 1987 Mar;52(3):355–8 (Eng. Abstr.) **(Rus)**

[Mechanisms of biomembrane stabilization with alpha-tocopherol. The role of the isoprenoid chain in the inhibition of lipid peroxidation] Kagan VE, et al. **Dokl Akad Nauk SSSR** 1987;295(3):728–31 **(Rus)**
[Effect of various thiamine supplies of the body on the enzyme activity in the metabolism of xenobiotics and lipid peroxidation in rat liver microsomes] Lychko AP, et al. **Ukr Biokhim Zh** 1987 Jan-Feb;59(1):44–9 (Eng. Abstr.) **(Rus)**
[Effect of prolactin on the phospholipid composition and cholesterol level in liver microsomes of the carp during acclimation to different temperatures] Sautin IuIu. **Ukr Biokhim Zh** 1987 Jul-Aug;59(4):69–75 (Eng. Abstr.) **(Rus)**
[The state of the microsomal oxidative system of the rat liver in the postoperative period] Khakimov ZZ, et al. **Vopr Med Khim** 1986 Nov-Dec;32(6):34–8 (Eng. Abstr.) **(Rus)**
[The state of the microsomal oxidative system and liver mitochondria in rats after splenectomy] Krakovskiĭ ME, et al. **Vopr Med Khim** 1986 Nov-Dec;32(6):66–70 (Eng. Abstr.) **(Rus)**
[Chloroquine metabolism in the mono-oxygenase system of mouse liver microsomes] Sakharova OD, et al. **Vopr Med Khim** 1986 Nov-Dec;32(6):55–7 (Eng. Abstr.) **(Rus)**
[Lipid peroxidation in the rat liver in mild forms of vitamin A deficiency] Gorgoshidze LSh, et al. **Vopr Pitan** 1986 Sep-Oct;(5):45–50 (Eng. Abstr.) **(Rus)**
[Effect of alimentary alpha-tocopherol deficiency on the fatty acid composition of phospholipids in the subcellular membranes of the liver cells and high density lipoproteins in the blood plasma] Liapkov BG, et al. **Vopr Pitan** 1986 Nov-Dec;(6):34–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Measurement of microsomal function in hepatectomized rat] Ishikawa A, et al. **Nippon Geka Gakkai Zasshi** 1987 Mar; 88(3):303–7 (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

Radiosensitive antioxidant membrane-bound factors in rat liver microsomes: II. The role of cytosol. Thiriot C, et al. **Biochem Int** 1987 Jan;14(1):9–14
Radiosensitive antioxidant membrane-bound factors in rat liver microsomes: I. The roles of glutathione and vitamin E. Thiriot C, et al. **Biochem Int** 1987 Jan;14(1):1–8
[Liver microsomal lipids of mice irradiated and administered an extract of turtle spleen] Ivanov VI, et al. **Radiobiologiia** 1987 Mar-Apr;27(2):257–64 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Effect of temperature on the structure of rat liver microsomes studied by electron spin resonance, fluorescence and activity of enzymes involved in fatty acid biosynthesis. Brenner RR, et al. **Acta Physiol Lat Am** 1980;30(4):225–38
Hydroxyl radical generation by microsomes after chronic ethanol consumption. Dicker E, et al. **Alcoholism (NY)** 1987 Jun;11(3):309–14
Properties of a GTP sensitive microdomain in rough microsomes. Paiement J, et al. **Biochim Biophys Acta** 1987 Mar 26;898(1):6–22

MICROSPHERES

see related
ENZYMES, IMMOBILIZED

Validity of microsphere depositions for regional myocardial flows. Bassingthwaighte JB, et al. **Am J Physiol** 1987 Jul; 253(1 Pt 2):H184–93
Microsphere reference flow samples during systemic flow adjustment. Geffin GA, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):H851–6
Fluorescent microspheres: a new tool for visualization of ischemic myocardium in rats. Hale SL, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):H863–8
Some applications of microspheres in flow cytometry. Miglierina R. **Biol Cell** 1986;58(2):127–30
Comparative cell uptake of propidium iodide associated with liposomes or nanoparticles. Guise V, et al. **Cell Mol Biol** 1987;33(3):397–405
Nanoparticles in drug delivery. Douglas SJ, et al. **Crit Rev Ther Drug Carrier Syst** 1987;3(3):233–61 (167 ref.)
Distribution of different sized microspheres in experimental hepatic tumours. Meade VM, et al. **Eur J Cancer Clin Oncol** 1987 Jan;23(1):37–41
Colloidal gold fluorescent microspheres: a new retrograde marker visualized by light and electron microscopy. Quattrochi JJ, et al. **Exp Neurol** 1987 Apr;96(1):219–24
Proteolytic enzymes and arachidonic acid metabolites produced by MRC-5 cells on various microcarrier substrates. Varani J, et al. **In Vitro Cell Dev Biol** 1986 Oct; 22(10):575–82
Application of solid-phase antibodies to radioimmunoassay. Evaluation of two polymeric microparticles, Dynospheres and nylon, activated by carbonyldiimidazole or tresyl chloride. McConway MG, et al. **J Immunol Methods** 1986 Dec 24;95(2):259–66
Epidermal cell culture using Sephadex beads coated with denatured collagen (cytodex 3). Katayama H, et al. **J Invest Dermatol** 1987 Jan;88(1):33–6
Interaction of microspheres with blood constituents II: Uptake of biodegradable particles by macrophages. Kanke M, et al. **J Parenter Sci Technol** 1986 Jul-Aug;40(4):114–8
Biodegradable microspheres. V: Stimulation of macrophages with microparticles made of various polysaccharides. Artursson P, et al. **J Pharm Sci** 1987 Feb;76(2):127–33
Biodegradable microspheres. VI: Lysosomal release of covalently bound antiparasitic drugs from starch microparticles. Laakso T, et al. **J Pharm Sci** 1987 Feb; 76(2):134–40
[Microencapsulation of living cells and tissues. Theoretical and practical aspects] Calafiore R, et al. **Recenti Prog Med** 1987 Feb;78(2):87–90 (Eng. Abstr.) **(Ita)**

MICROSPORUM

ANALYSIS

Separation of cytoplasmic ribosomal proteins of Microsporum canis. Mandiyan V, et al. **Can J Microbiol** 1987 Apr;33(4):339–43

ANATOMY & HISTOLOGY

[Ultrastructure of the apical segment of the hyphae of some dermatophytes] Delektorski WW, et al. **Mykosen** 1979 Apr; 22(4):119–28 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

The effect of ciclopiroxolamine investigated by means of the freeze-fracture technique. Gasparini G, et al. **Mykosen** 1986 Nov;29(11):539–44

ENZYMOLOGY

Elastase: production by ringworm fungi. Rippon JW. **Science** 1967 Aug 25;157(3791):947
Isolation, purification and characterization of keratinolytic proteinase from Microsporum canis. Lee KH, et al. **Yonsei Med J** 1987;28(2):131–8

GROWTH & DEVELOPMENT

Effect of choline, ethanolamine and serine supplementation on the membrane properties of Microsporum gypseum. Pandey R, et al. **Lipids** 1987 Jul;22(7):530–4
[Amino acid assimilation and secretion by dermatophytes. Occurrence of free amino acids in the mycelium of Microsporum gypseum, Trichophyton mentagrophytes and Trichophyton rubrum during growth] Danew P, et al. **Dermatol Monatsschr** 1987;173(4):196–202 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Transition and isolation ratios of dermatophytes from house dust of patients with tinea. Shirouchi Y, et al. **J Dermatol (Tokyo)** 1987 Feb;14(1):15–9
Dual infection of the toe web caused by Trichophyton rubrum and Microsporum canis. Tschen E, et al. **J Med Vet Mycol** 1986 Oct;24(5):423–5
The increasing role of Microsporum canis in the variety of dermatophytic manifestations reported from Israel. Alteras I, et al. **Mycopathologia** 1986 Aug;95(2):105–7
Incidence of keratinophilic fungi in rice-field soils. Sundaram BM. **Mycopathologia** 1987 Jan;97(1):43–4
[Findings on dermatomycoses seen at the Dermatologic Clinic of Pavia: 1) Pathology of Microsporum canis] Di Silverio A, et al. **G Ital Dermatol Venereol** 1987 Mar; 122(3):101–4 (Eng. Abstr.) **(Ita)**
[Isolation of dermatophytes from children without clinical signs of dermatophytosis. Report] López Abraham AM, et al. **Rev Cubana Med Trop** 1986 May-Aug;38(2):147–50 (Eng. Abstr.) **(Spa)**

METABOLISM

Cystine metabolism in the dermatophyte Microsporum gypseum. II. Utilization of cystine in media containing peptides and proteins. Kunert J. **Acta Univ Palacki Olomuc Fac Med** 1985;111:37–47
Cystine catabolism in mycelia of Microsporum gypseum, a dermatophytic fungus. Kunert J, et al. **Arch Microbiol** 1986 Jul;145(2):181–6

PHYSIOLOGY

The septal ontogeny, germination and electron microscopy of Microsporum gypseum macroaleurioconidia. Vismer HF, et al. **Mycopathologia** 1987 Jun;98(3):149–64

ULTRASTRUCTURE

The infected hairs of tinea capitis due to Microsporum canis: demonstration of uniqueness of the hair cuticle by scanning electron microscopy. Shelley WB, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):354–61
Structural differentiation in the frond and boring hypha of the dermatophyte Microsporum canis invading human hair in vitro. Kanbe T, et al. **J Electron Microsc (Tokyo)** 1986; 35(1):38–46

MICROSTOMIA see under **MOUTH DISEASES**

MICROSURGERY

Possibilities and limitations of microsurgery in patients with meningiomas of the sellar region. Probst C. **Acta Neurochir (Wien)** 1987;84(3–4):99–102

The rat groin flap as an experimental model in microsurgery. Tan WT, et al. **Ann Acad Med Singapore** 1987 Jan; 16(1):170–4

Intravenous anesthesia and jet ventilation for laser microlaryngeal surgery. Gussack GS, et al. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb;96(1 Pt 1):29–33

Microsurgical reversal of tubal sterilization. Chang YS, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec;12(4):457–63

Pediatric microsurgery. A synopsis. Lamesch AJ. **Bull Soc Sci Med Grand Duche Luxemb** 1987;124 Spec No:291–3

Early microsurgical reconstruction in birth palsy. Kawabata H, et al. **Clin Orthop** 1987 Feb;(215):233–42

Influence of microsurgical reanastomosis of the fallopian tube on luminal pH and PO2 and on the fertilization rate and embryo development in the rabbit oviduct. Maas DH, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jan;24(1):73–83

Microsurgery in female infertility. Fritzsche H, et al. **Ginekol Pol** 1986 Dec;57(12):784–6

Doppler test after microvascular anastomoses and evaluation of somatostatin administration in segmental canine pancreas autotransplantation. A preliminary study. Puleo S, et al. **Ital J Surg Sci** 1986;16(3):185–90

Does the use of the operating microscope improve the results of peripheral nerve suture? Marsh D, et al. **J Bone Joint Surg [Br]** 1987 Aug;69(4):625–30

Implications of pattern of tubal disease for microsurgery or in vitro fertilization in Lagos. Ogedengbe BK, et al. **J Natl Med Assoc** 1987 May;79(5):510–2

Vertebrobasilar insufficiency. Part 2. Microsurgical treatment of intracranial vertebrobasilar disease. Hopkins LN, et al. **J Neurosurg** 1987 May;66(5):662–74 (57 ref.)

Monitoring facial EMG responses during microvascular decompression operations for hemifacial spasm. Møller AR, et al. **J Neurosurg** 1987 May;66(5):681–5

Vertebrobasilar insufficiency. Part 1: Microsurgical treatment of extracranial vertebrobasilar disease. Spetzler RF, et al. **J Neurosurg** 1987 May;66(5):648–61 (57 ref.)

Indications for microneurosurgery [letter] Meyer RA. **J Oral Maxillofac Surg** 1986 Oct;44(10):758

Inferior alveolar and lingual nerve injuries: regeneration or operation? [letter] Mozsary PG. **J Oral Maxillofac Surg** 1987 Mar;45(3):204, 286

Spanish Society of Microsurgery, fourth annual meeting. June 5–7, 1986, Zaragoza, Spain. Abstracts. **J Reconstr Microsurg** 1987 Jan;3(2):165–71

Second annual meeting of the American Society for Reconstructive Microsurgery. February 13–15, 1986, New Orleans, Louisiana. **J Reconstr Microsurg** 1986 Oct; 3(1):59–83

Resin corrosion cast (Mercox) in experimental evaluation of small vessel anastomosis. Kanaujia RR, et al. **J Reconstr Microsurg** 1986 Jul;2(4):213–20

Amputation salvage with microvascular free flap from the amputated extremity. Frykman GK, et al. **J Trauma** 1987 Mar;27(3):326–9

Successful endothelial seeding with omentally derived microvascular endothelial cells. Pearce WH, et al. **J Vasc Surg** 1987 Jan;5(1):203–6

Chemonucleolysis and microsurgery for lumbar disk disease [letter] McCulloch JA. **JAMA** 1987 Jan 2;257(1):28

Modifications of the vein wall after microsurgical end-to-side artero-venous anastomosis. Fox U, et al. **Microsurgery** 1986;7(3):128–31

Per-operative topical administration of ZK 36 374 (Iloprost) acts favorably on patency of small artery anastomoses in rats. Kort WJ, et al. **Microsurgery** 1987;8(1):17–21

Treatment of retinal detachment after penetrating injury: heavy cryotreatment of the fibrous ingrowth as an adjunct to vitreoretinal microsurgery. Bonnet M. **Ophthalmologica** 1987;194(4):164–8

The dorsal thoracic fascia: anatomic significance with clinical applications in reconstructive microsurgery. Kim PS, et al. **Plast Reconstr Surg** 1987 Jan;79(1):72–80

The effect of established infection on microvascular surgery. Luk KD, et al. **Plast Reconstr Surg** 1987 Sep;80(3):423–7

Microsurgical reattachment of totally amputated ears. Mutimer KL, et al. **Plast Reconstr Surg** 1987 Apr; 79(4):535–41

Recurrent epistaxis: microscopic endonasal clipping of the sphenopalatine artery. Sulsenti G, et al. **Rhinology** 1987 Jun;25(2):141–2

Radio-anatomic study of the carotid axis with regard to the implantation of microsurgical vascular anastomoses. Espalieu P, et al. **Surg Radiol Anat** 1986;8(4):257–63

Microsurgical application of allogenic vein grafting in free tissue transfers. Lin JY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Apr;86(4):362–5

High frequency ventilation for suspension laryngomicrosurgery under general anesthesia. Kim WO, et al. **Yonsei Med J** 1986;27(1):25–9

[Advances in nursing care in microsurgery] Chen BZ. **Chung Hua Hu Li Tsa Chih** 1986 Oct;21(7):291–3 **(Chi)**

[Preliminary results of microsurgical reversal after tubal sterilization] Zhang YJ. **Chung Hua I Hsueh Tsa Chih** 1986 Jul;66(7):434–5 **(Chi)**

[Use of microsurgery for re-establishing blood circulation in late thromboangiitis obliterans] Cai JF, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Aug;24(8):467–70, 509 (Eng. Abstr.) **(Chi)**

[Results of microsurgical treatment of tubo-peritoneal sterility factors in 1983–1984] Pilka L, et al. **Cesk Gynekol** 1986 Nov;51(9):696–8 (Eng. Abstr.) **(Cze)**

[Microsurgical treatment of tubal sterility at the Institute for Maternal and Child Care in Prague–Podoli (1980–1984)] Uher J, et al. **Cesk Gynekol** 1986 Nov;51(9):688–95 (Eng. Abstr.) **(Cze)**

[Microsurgical operations in intervertebral disk prolapse] Paleček T, et al. **Rozhl Chir** 1987 Mar;66(3):216–9 (Eng. Abstr.) **(Cze)**

[Vascularized autogenic transplantation of a finger joint] Barfred T, et al. **Ugeskr Laeger** 1986 Oct 6;148(41):2622–3 (Eng. Abstr.) **(Dan)**

[Microsurgical treatment of accidental amputations of the extremities] Ipsen T, et al. **Ugeskr Laeger** 1986 Oct 6; 148(41):2611–4 (Eng. Abstr.) **(Dan)**

[Free flaps. 3 free microvascular flaps used in a department of orthopedic surgery] Jensen PO, et al. **Ugeskr Laeger** 1986 Oct 6;148(41):2618–20 (Eng. Abstr.) **(Dan)**

[Microvascular surgery. I. The rectus abdominis flap] Kjeldsen H, et al. **Ugeskr Laeger** 1986 Oct 6;148(41):2614–6 (Eng. Abstr.) **(Dan)**

[Reconstructive microsurgery] Krag C. **Ugeskr Laeger** 1986 Oct 6;148(41):2607–11 (30 ref.) (Eng. Abstr.) **(Dan)**

[Microvascular surgery. II. The radial forearm flap] Nielsen IM, et al. **Ugeskr Laeger** 1986 Oct 6;148(41):2616–8 (Eng. Abstr.) **(Dan)**

[Free tissue transplantation with microsurgery (letter)] Vaandrager JM. **Ned Tijdschr Geneeskd** 1987 Feb 21; 131(8):332 **(Dut)**

[Reversal of sterilization in women] Vemer HM. **Ned Tijdschr Geneeskd** 1987 Jan 3;131(1):16–8 (Eng. Abstr.) **(Dut)**

[Revascularization of digital avulsion injuries caused by rings] Foucher G, et al. **Ann Chir Main** 1986;5(3):256–9 (Eng. Abstr.) **(Fre)**

[Value of Samii's method in the treatment of digital neuromas] Fourrier P, et al. **Ann Chir Main** 1986;5(3):253–5 (Eng. Abstr.) **(Fre)**

[The descending artery of the knee: a microsurgical arterial graft?] Mercier P, et al. **Ann Chir Plast Esthet** 1986; 31(4):390–2 (Eng. Abstr.) **(Fre)**

[Histopathology of microsurgical arterial repair. Use of fibrin cryoprecipitates] Warter A, et al. **Ann Pathol** 1987; 7(1):31–40 (Eng. Abstr.) **(Fre)**

[Microsurgery in pediatric orthopedics] Teot L. **Rev Chir Orthop** 1986;72 Suppl 2:21–4 **(Fre)**

[Contributions of microsurgery in orthopedics and traumatology] Schuind F, et al. **Rev Med Brux** 1987 Mar; 8(3):117–24 (Eng. Abstr.) **(Fre)**

[Angiographic visualization and morphology of anastomosed vessels in microsurgical tissue transplantation] Ehrenfeld M, et al. **Fortschr Kiefer Gesichtschir** 1987;32:71–4 **(Ger)**

[Use of arterial digital subtraction angiography in transfer of tissue with microvascular anastomoses in the head and neck region] Kniha H, et al. **Fortschr Kiefer Gesichtschir** 1987;32:68–70 **(Ger)**

[The bone scintigram for demonstration of blood circulation in microsurgically revascularized bone grafts] Riediger D, et al. **Fortschr Kiefer Gesichtschir** 1987;32:167–9 **(Ger)**

[Value of microsurgical operations of tubal-induced sterility—selection for extracorporeal fertilization] Karbowski B, et al. **Geburtshilfe Frauenheilkd** 1986 Nov; 46(11):825–8 (Eng. Abstr.) **(Ger)**

[Pathology of proximal tubal occlusion—morphologic evaluation. Results following microsurgical anastomosis] Wiedemann R, et al. **Geburtshilfe Frauenheilkd** 1987 Feb; 47(2):96–100 (Eng. Abstr.) **(Ger)**

[Vascular spasms in microsurgery] Bruch HP, et al. **Handchir Mikrochir Plast Chir** 1987 Jul;19(4):186–90 (Eng. Abstr.) **(Ger)**

[Animal experiment studies of neurolysis of peripheral nerves] Goth D. **Handchir Mikrochir Plast Chir** 1987 Jul; 19(4):212–6 (Eng. Abstr.) **(Ger)**

[Anatomy and clinical aspects of sartoriusplasty] Habermeyer P, et al. **Handchir Mikrochir Plast Chir** 1987 Jan;19(1):21–2 (Eng. Abstr.) **(Ger)**

[Value of intra-arterial digital subtraction angiography in microvascular anastomosis in tissue transplantation] Huber R, et al. **Handchir Mikrochir Plast Chir** 1987 Mar; 19(2):92–4 (Eng. Abstr.) **(Ger)**

[Arterial microvascular replacement by collagen prostheses. Animal experiment study in the rat] Müller G, et al. **Handchir Mikrochir Plast Chir** 1987 May;19(3):174–6 (Eng. Abstr.) **(Ger)**

[Retrograde or orthograde anatomic perfusion of the free forearm flap?] Müller GH, et al. **Handchir Mikrochir Plast Chir** 1987 Mar;19(2):113–5 (Eng. Abstr.) **(Ger)**

[Measuring blood flow in microsurgically revascularized, immunosuppressed segmental allogeneic bone transplants using laser Doppler flowmetry] Schwarzenbach O, et al. **Handchir Mikrochir Plast Chir** 1987 Mar;19(2):84–7 (Eng. Abstr.) **(Ger)**

[Late results in transplantation of free or pedicled radical flaps] Stock W, et al. **Handchir Mikrochir Plast Chir** 1987 Mar;19(2):116–7 (Eng. Abstr.) **(Ger)**

[Value of free, microvascular anastomosis of a small intestine transplant in reconstructive surgery following resection of T4 tumors of the upper aerodigestive tract] Ehrenberger K, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Nov; 65(11):643–5 (Eng. Abstr.) **(Ger)**

[Results of microsurgery in ear malformations] Helms J. **Laryngol Rhinol Otol (Stuttg)** 1987 Jan;66(1):16–8 (Eng. Abstr.) **(Ger)**

[Trigeminal neuralgia. Results of microsurgical parapontine decompression] Kunze S, et al. **Nervenarzt** 1987 Jan; 58(1):33–9 (Eng. Abstr.) **(Ger)**

[Convulsive tic in combination with vertigo attacks and their surgical treatment by microvascular decompression] Winkler D, et al. **Nervenarzt** 1987 Jan;58(1):47–8 **(Ger)**

[Microsurgery in gynecology—indications, results and limitations] Hohl MK, et al. **Ther Umsch** 1987 May; 44(5):350–7 (Eng. Abstr.) **(Ger)**

[Function and morphology of venovenous anastomoses following rotationplasty surgery] Teleky B, et al. **Vasa** 1987;16(1):56–9 (Eng. Abstr.) **(Ger)**

[Basic technic of vascular microanastomosis: long-term histological evaluation] Andrisano A, et al. **Chir Organi Mov** 1986 Apr–Jun;71(2):143–9 (Eng. Abstr.) **(Ita)**

[Application of lasers in microsurgery] Inouye T. **Nippon Rinsho** 1987 Apr;45(4):716–9 (9 ref.) **(Jpn)**

[Endoscopy and microsurgery in sterility] Savel'eva GM, et al. **Akush Ginekol (Mosk)** 1986 Nov;(11):52–3 **(Rus)**

[Safety provisions for protracted orthopedic-traumatologic surgical procedures using microsurgical technics] Girin DV, et al. **Klin Khir** 1986;(12):39–40 (Eng. Abstr.) **(Rus)**

[5 years of tubal microsurgery. Evaluation of results] Alvarez Bravo A. **Ginecol Obstet Mex** 1986 Nov;54:285–9 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Early scanning electron microscopic evaluation of microvascular maneuvers. Osgood CP, et al. **Angiology** 1976 Feb;27(2):96–105

Femoral neuropathy following tubal microsurgery [letter] **Fertil Steril** 1986 Oct;46(4):742–3

Lack of prevention of adhesion formation following tubal microsurgery in the rabbit. Hadick CL, et al. **Milit Med** 1987 Mar;152(3):144–5

EDUCATION

An animal model for advanced microsurgical training. Eppley BL, et al. **J Oral Maxillofac Surg** 1986 Oct; 44(10):833–6

Teaching the technique of microsurgical intraneural neurolysis. Dellon AL, et al. **J Reconstr Microsurg** 1987 Jan;3(2):137–41

[Experience in conducting an international course for physician postgraduate advanced training in microsurgery of the eye] Shul'pina NB, et al. **Vestn Oftalmol** 1987 Mar–Apr;103(2):63–4 **(Rus)**

INSTRUMENTATION

Use of the paper clip as a hemostatic restraint in experimental end-to-side microvascular anastomosis. Narayanan K, et al. **Ann Plast Surg** 1987 Jul;19(1):91–2

The UNILINK instrument system for fast and safe microvascular anastomosis. Ostrup LT, et al. **Ann Plast Surg** 1986 Dec;17(6):521–5

A stereoscopic diagonal inverter (SDI) for wide-angle vitreous surgery. Spitznas M, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(1):9–12

A binocular indirect ophthalmomicroscope (BIOM) for non-contact wide-angle vitreous surgery. Spitznas M. **Graefes Arch Clin Exp Ophthalmol** 1987;225(1):13–5

The place of the microscope in hand surgery [editorial] Meyer V. **J Hand Surg [Br]** 1987 Jun;12(2):155–7

The microsurgical triple clamp: a technique for microvascular grafting of short interposition grafts. Galumbeck M, et al. **J Reconstr Microsurg** 1987 Apr; 3(3):243–5

"New" microvascular clamps for thoracic surgery in the rat. Marck KW, et al. **Microsurgery** 1986;7(3):135–7

Laser-assisted microsurgical anastomosis. Neblett CR, et al. **Neurosurgery** 1986 Dec;19(6):914–34

[Normofrequent jet ventilation for microlaryngoscopy and endolaryngeal microsurgery—introduction of a set of ventilating tubes and clinical experiences] Weber F, et al. **Anaesthesiol Reanim** 1987;12(3):145–50 (Eng. Abstr.) **(Ger)**

[Magnetic extraction with microscopy control—an improved inner pole magnet] Winter R, et al. **Fortschr Ophthalmol** 1987;84(2):205–6 (Eng. Abstr.) **(Ger)**

[Optics of surgical microscopes] Reiner J. **Klin Monatsbl Augenheilkd** 1986 Jul;189(1):69–72 (Eng. Abstr.) **(Ger)**

[Electrothermocauter for microsurgery of the eye] Dzhaliashvili OA, et al. **Oftalmol Zh** 1987;(3):189–90 **(Rus)**

[Method of manufacturing Hoskin's forceps for ocular microsurgery] Ignat'ev AN. **Oftalmol Zh** 1987;(3):190–1 **(Rus)**

[Surgical ophthalmological microscope with a supporting device for surgeon's hands] Vialykh VA. **Voen Med Zh** 1987 Feb;(2):69 **(Rus)**

METHODS

The lateral microsurgical approach to the "extracanalicular" lumbar disc herniation. I: A technical note. Reulen HJ, et al. **Acta Neurochir (Wien)** 1987;84(1–2):64–7

Reconstructive microsurgery—a review. Ostrup LT, et al. **Acta Orthop Scand** 1986 Oct;57(5):395–401 (27 ref.)

Microsurgery in nasal polyposis transnasal ethmoidectomy. Bagatella F, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1986; 431:1–19

Conventional reanastomosis versus laser welding of rat uterine horns. Shapiro AG, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):1006–9

Intranasal microsurgery of all paranasal sinuses, the septum, and the lacrimal sac with hypotensive anesthesia. 25 years' experience. Heermann J, et al.
Ann Otol Rhinol Laryngol 1986 Nov–Dec;95(6 Pt 1):631–8

Vascularized nerve grafts: an experimental and clinical review. Breidenbach WC, et al. **Ann Plast Surg** 1987 Feb; 18(2):137–46

Microsurgical revascularisation of the hand in scleroderma. Jones NF, et al. **Br J Plast Surg** 1987 May;40(3):264–9

Is the sleeve anastomosis a risky technique? Nakayama Y, et al. **Br J Plast Surg** 1987 May;40(3):288–94

Experimental microarterial grafts: freeze–dried heterografts versus autografts. So YC, et al. **Br J Plast Surg** 1987 Mar; 40(2):188–92

Reversal of female sterilisation [editorial] Calvert JP.
Br Med J [Clin Res] 1987 Jan 17;294(6565):140–1

Microsurgical discectomy: a prospective study of 200 patients. Schutz H, et al. **Can J Neurol Sci** 1987 Feb; 14(1):81–3

Experience in the microsurgical treatment of intracranial arteriovenous malformations [published erratum appears in Chin Med J [Engl] 1986 Aug;99(8):656] Shi YQ, et al.
Chin Med J [Engl] 1986 May;99(5):379–82

Lumbar microdiscectomy: a contrary opinion. Fager CA.
Clin Neurosurg 1986;33:419–56

Neurosurgical treatment of vertigo by microvascular decompression of the eighth cranial nerve. Jannetta PJ, et al. **Clin Neurosurg** 1986;33:645–65

Microlumbar discectomy. Maroon JC, et al.
Clin Neurosurg 1986;33:407–17

Microsurgical vestibular nerve section for intractable Menière's syndrome—technique and results. Tarlov EC.
Clin Neurosurg 1986;33:667–84

Repair of severed peripheral nerves: comparison of the "de Medinaceli" and standard microsuture methods. Terzis JK, et al. **Exp Neurol** 1987 Jun;96(3):672–80

A comparison between argon laser and microsuture anastomosis of the rat uterine horn. Lyon DR, et al.
Fertil Steril 1987 Feb;47(2):329–33

Microsurgical tubocornual anastomosis for occlusive cornual disease: reproducible results without the need for tubouterine implantation. McComb P. **Fertil Steril** 1986 Oct;46(4):571–7

Microsurgical reconstruction of the proximal oviduct. Patton PE, et al. **Fertil Steril** 1987 Jan;47(1):35–9

Tubal microsurgery. I. The principles. Land JA.
Gynecol Obstet Invest 1987;23(2):73–8

Microsurgical techniques of levator resection. Betharia SM, et al. **Indian J Ophthalmol** 1984 Jul–Aug;32(4):225–8

Keratoacanthomas treated with Mohs' micrographic surgery (chemosurgery). A review of forty–three cases. Larson PO.
J Am Acad Dermatol 1987 May;16(5 Pt 1):1040–4

Intercapsular cataract microsurgery [editorial] Obstbaum SA.
J Cataract Refract Surg 1987 Jul;13(4):379

Staple and double–staple method of tissue orientation in Mohs micrographic surgery. Larson PO.
J Dermatol Surg Oncol 1987 Jul;13(7):732–4

Quantitative fluorometry as a monitor for microvascular surgery. Copeland J, et al. **J Hand Surg [Am]** 1987 Mar; 12(2):250–5

Micro–surgical fascicular nerve repair: a morphological study of the endoneurial bulge. Archibald SJ, et al.
J Hand Surg [Br] 1987 Feb;12(1):5–10

Joint reconstruction following trauma: comparison of microsurgical transfer and conventional methods: a report of 61 cases. Foucher G, et al. **J Hand Surg [Br]** 1986 Oct; 11(3):388–93

One–knot microvascular anastomosis. An experimental study in rats. Iwasa H, et al. **J Neurosurg** 1987 May;66(5):764–7

Preservation of the frontotemporal branch of the facial nerve using the interfascial temporalis flap for pterional craniotomy. Technical article. Yaşargil MG, et al.
J Neurosurg 1987 Sep;67(3):463–6

The blood supply of vascularized nerve grafts. Breidenbach WC, et al. **J Reconstr Microsurg** 1986 Oct;3(1):43–58

Microarterial sutureless sleeve anastomosis using a polymeric adhesive: an experimental study. Casanova R, et al.
J Reconstr Microsurg 1987 Apr;3(3):201–7, 209–10

Free radial forearm flap versatility for the head and neck and lower extremity. Chicarilli ZN, et al.
J Reconstr Microsurg 1986 Jul;2(4):221–8

Blood–induced arterial segmental spasm. Hou SM, et al.
J Reconstr Microsurg 1986 Oct;3(1):29–32

Free compound rib–latissimus dorsi osteomusculocutaneous flap in reconstruction of the leg. Maruyama Y, et al.
J Reconstr Microsurg 1986 Oct;3(1):13–8

Experimental study of vascularized tibiofibula graft in inbred rats: a preliminary report. Mizumoto S, et al.
J Reconstr Microsurg 1986 Oct;3(1):1–11

Doppler ultrasound surface monitoring of both arterial and venous flow in clinical free tissue transfers. Solomon GA, et al. **J Reconstr Microsurg** 1986 Oct;3(1):39–41

Autocannibalization of sensate and denervated rat groin flaps. Yu HL, et al. **J Reconstr Microsurg** 1986 Oct;3(1):27–8

Vascularizing the ischemic jejunum by intra–seromuscular implantation of a gastroepiploic vascular pedicle—an application of experimental esophageal reconstruction. Hirayama R, et al. **Jpn J Surg** 1987 May;17(3):162–7

Experimental model for the study of the human appendix. Arnbjörnsson E. **Microsurgery** 1987;8(1):30–1

Sodium hyaluronate as an aid in microvascular surgery. Arnbjörnsson EO. **Microsurgery** 1986;7(4):166–7

End–to–end and end–to–side microvascular anastomoses: a comparative study. Frodel JL, et al. **Microsurgery** 1986; 7(3):117–23

An alternative technique of microvascular anastomosis. Hou SM, et al. **Microsurgery** 1987;8(1):22–4

Microsurgical extramucous ureteroureterostomy in rats. Lamesch AJ, et al. **Microsurgery** 1986;7(4):203–7

Evaluation of long–term patency rates of different techniques of arterial anastomosis in rabbits. Siemionow M.
Microsurgery 1987;8(1):25–9

Proximity storage of surgical instruments in the operative field. Greenberg IM. **Neurosurgery** 1987 Jun;20(6):950–3

Analysis of microvascular decompression for the treatment of trigeminal neuralgia and hemifacial spasm. Mori K, et al. **Nippon Geka Hokan** 1986 Nov 1;55(6):768–76

Microvascular anastomosis with a low–output carbon dioxide (CO2) laser. I. Laser device, techniques and conditions of anastomosis. Oishi J. **Nippon Seikeigeka Gakkai Zasshi** 1986 Jul;60(7):801–11

Microvascular anastomosis with a low–output carbon dioxide (CO2) laser. II. Histopathological features. Oishi J.
Nippon Seikeigeka Gakkai Zasshi 1986 Jul;60(7):813–24

Reconstruction of soft tissue injuries of the foot and ankle with microsurgical techniques. Gould JS. **Orthopedics** 1987 Jan;10(1):151–7

Sensory reinnervation in microsurgical reconstruction of the heel. Chang KN, et al. **Plast Reconstr Surg** 1986 Nov; 78(5):652–64

Limb salvage in the patient with severe peripheral vascular disease: the role of microsurgical free–tissue transfer. Colen LB. **Plast Reconstr Surg** 1987 Mar;79(3):389–95

Effect of arteriovenous flow reversal on blood flow and metabolism in a skin flap. Germann GK, et al.
Plast Reconstr Surg 1987 Mar;79(3):375–80

The tailored latissimus dorsi free flap. Godina M.
Plast Reconstr Surg 1987 Aug;80(2):304–6

Salvage of amputation stumps by secondary reconstruction utilizing microsurgical free–tissue transfer. Shenaq SM, et al. **Plast Reconstr Surg** 1987 Jun;79(6):861–70

Combined transplantation of free tissues. Yu ZJ.
Plast Reconstr Surg 1987 Feb;79(2):222–36

A microsurgical method for reconstruction of interrupted lymphatic pathways: autologous lymph–vessel transplantation for treatment of lymphedemas. Baumeister RG, et al. **Scand J Plast Reconstr Surg** 1986;20(1):141–6

Reconstruction of the thenar muscles by microsurgery. Berger A. **Scand J Plast Reconstr Surg** 1986;20(1):153–5

Microsurgical replantation of a total scalp avulsion. Case report. Fogdestam I, et al. **Scand J Plast Reconstr Surg** 1986;20(3):319–22

Microlumbar discectomy. A 12–year statistical review. Williams RW. **Spine** 1986 Oct;11(8):851–2

The evolution of transsphenoidal pituitary microsurgery. Welbourn RB. **Surgery** 1986 Dec;100(6):1185–90 (51 ref.)

[Methods of repairing nerve injuries of the arm in 115 cases] Zhu JK. **Chung Hua I Hsueh Tsa Chih** 1986 Aug; 66(8):453–6, 510 (Eng. Abstr.) **(Chi)**

[Animal experimentation and clinical application of invagination anastomosis for small blood vessels] Wang GJ, et al. **Chung Hua Wai Ko Tsa Chih** 1986 May;24(5):269–70, 315 (Eng. Abstr.) **(Chi)**

[Neurovascular microsurgery in the reconstruction of tissue defects using a single–stage transplantation from a remote part of the body] Tvrdek M. **Rozhl Chir** 1986 Oct; 65(10):670–5 (Eng. Abstr.) **(Cze)**

[Free tissue transplantation with microsurgery (letter)] Rittersma J. **Ned Tijdschr Geneeskd** 1987 Mar 7; 131(10):414–5 **(Dut)**

[Free tissue transplantation with microsurgery] Smith AR, et al. **Ned Tijdschr Geneeskd** 1987 Jan 10;131(2):59–65 (Eng. Abstr.) **(Dut)**

[Ambulatory ocular microsurgery. Preliminary considerations on a series of 120 cases of cataract] Abitbol Y, et al. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):11–2, 14 **(Fre)**

[Microsurgical treatment of narrow lacrimal points] Jeancolas D, et al. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):159–61 (Eng. Abstr.) **(Fre)**

[Contribution of microsurgery to neurosurgery. Value of an experimental protocol for arterial micro–anastomosis in the rat] Alami A. **Maroc Med** 1986 Sep;8(3):397–403 (Eng. Abstr.) **(Fre)**

[Experiences in experimental microneurosurgery] de Divitiis E, et al. **Neurochirurgie** 1986;32(4):343–9 (Eng. Abstr.) **(Fre)**

[Direct closure of donor defects of the radial flap by preliminary stretching of the skin with a skin expander] Herndl E, et al. **Handchir Mikrochir Plast Chir** 1986 Sep; 18(5):289–90 (Eng. Abstr.) **(Ger)**

[Vascular pedicled iliac crest transplant and its use in the jaw] Schmelzle R. **Handchir Mikrochir Plast Chir** 1986 Nov;18(6):376–8 (Eng. Abstr.) **(Ger)**

[Microvascular anastomosis of the iliac crest transplant in mandibular reconstruction] Stock W, et al.
Handchir Mikrochir Plast Chir 1987 Mar;19(2):81–3 (Eng. Abstr.) **(Ger)**

[Progress in microsurgery of the middle ear] Jahnke K.
HNO 1987 Jan;35(1):1–13 (Eng. Abstr.) **(Ger)**

[Experiences up to now with diagnosis and microsurgical revascularization in disorders of erection] Biedermann H.
Langenbecks Arch Chir 1986;368(1):13–27 (Eng. Abstr.) **(Ger)**

[Microsurgical bile duct anastomosis: animal experiment and clinical study] Feller AM, et al. **Langenbecks Arch Chir** 1986;368(4):241–8 (Eng. Abstr.) **(Ger)**

[Macro– and microreplantations of the lower leg and foot] Seiler H, et al. **Langenbecks Arch Chir** 1986;369:625–7 (Eng. Abstr.) **(Ger)**

[Technic for taking a forearm flap] Lumplesch R.
Laryngol Rhinol Otol (Stuttg) 1987 Mar;66(3):163 **(Ger)**

[Taking a vascular pedicled iliac crest transplant] Zilch H.
Laryngol Rhinol Otol (Stuttg) 1987 Mar;66(3):162 **(Ger)**

[Comparison of the microsurgical lumbar intervertebral disk operation with the conventional technic in free sequestered intervertebral disk prolapse. A retrospective study based on 267 cases] Kho HC, et al. **Neurochirurgia (Stuttg)** 1986 Sep;29(5):181–5 (Eng. Abstr.) **(Ger)**

[Possibilities of microsurgery of the petrous bone and the base of the skull] Fisch U. **Ther Umsch** 1987 Feb; 44(2):102–8 (Eng. Abstr.) **(Ger)**

[Lymph vessel regeneration following replantation and free microvascular flap–plasty] Piza–Katzer H, et al. **Vasa** 1987; 16(1):60–6 (Eng. Abstr.) **(Ger)**

[Animal experiment studies of free transplantation of striated muscles] Holschneider AM, et al. **Z Kinderchir** 1986 Aug; 41(4):230–8 (Eng. Abstr.) **(Ger)**

[Animal experiment studies of combined suture and glue microanastomoses using a fibrin glue based on the Cohn I human plasma fraction] Hamm KD, et al.
Zentralbl Neurochir 1986;47(4):322–33 (Eng. Abstr.) **(Ger)**

[Microsurgical treatment of ring finger lesions] Falcone S, et al. **Arch Putti Chir Organi Mov** 1985;35:247–51 (Eng. Abstr.) **(Ita)**

[Examination and comparison of new therapeutic methods] Hohki A. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1460–7 (Eng. Abstr.) **(Jpn)**

[Experimental study of sutureless micro–vascular anastomosis using Nd–YAG laser combined with a water–soluble PVA splint] Niijima K. **Nippon Geka Hokan** 1987 Mar 1; 56(2):156–67 (Eng. Abstr.) **(Jpn)**

[Reconstruction of the mandible using vascularized transplants. A new method in Norway] Olstad OA, et al.
Tidsskr Nor Laegeforen 1986 Oct 30;106(30):2511–4, 2528 (Eng. Abstr.) **(Nor)**

[Experience with endolaryngeal microsurgery]
Khechinashvili SN, et al. **Vestn Otorinolaringol** 1987 May–Jun;(3):33–7 (Eng. Abstr.) **(Rus)**

[Use of microsurgical technics in operations for amotio retinae] Cernák A, et al. **Cesk Oftalmol** 1987 Jan;43(1):31–7 (Eng. Abstr.) **(Slo)**

[Laser lysis of sutures in microsurgical procedures] Juhás T, et al. **Cesk Oftalmol** 1987 May;43(3):204–5 (Eng. Abstr.) **(Slo)**

TRENDS

Recent advances in microlymphatic surgery in China. Zhu JK, et al. **Clin Orthop** 1987 Feb;(215):32–9

VETERINARY

Microsurgery in the clinic and laboratory. Green CJ.
Lab Anim 1987 Jan;21(1):1–10 (54 ref.)

Microsurgical approach to the cerebellomedullar region in rat. Renella RR, et al. **Lab Anim** 1986 Jul;20(3):210–2

MICROSURGERY, LASER see **LASER SURGERY**

MICROSURGICAL REVASCULARIZATION, CEREBRAL see **CEREBRAL REVASCULARIZATION**

MICROTINES see **CRICETIDAE**

MICROTOMY

Investigation of temporal bone anatomy by plastic moulding and cryomicrotomy. Wilbrand H, et al.
Acta Radiol [Diagn] (Stockh) 1986 Jul–Aug;27(4):389–94

Microscopic cut–through of cancer in the surgical treatment of squamous carcinoma of the tongue. Prognostic and therapeutic implications. Scholl P, et al. **Am J Surg** 1986 Oct;152(4):354–60

The accuracy of frozen section diagnosis [letter] Nestok BR.
Arch Pathol Lab Med 1987 Oct;111(10):897

Accuracy of frozen–section diagnosis in a teaching hospital. Rogers C, et al. **Arch Pathol Lab Med** 1987 Jun; 111(6):514–7

The use of frozen sections during gastrointestinal endoscopy [letter] Reshef R, et al. **Gastrointest Endosc** 1987 Feb; 33(1):54

A new fixed cryosection technique for the simultaneous immunocytochemical demonstration of T6 and S100

antigens. Maddox PH, et al. **Histochem J** 1987 Jan; 19(1):35–8

Acetone/periodate–lysine–paraformaldehyde (PLP) fixation and improved morphology of cryostat sections for immunohistochemistry. Hall PA, et al. **Histopathology** 1987 Jan;11(1):93–101

Rapid preparation of fresh–frozen undecalcified bone for histological and histochemical analysis. Aaron JE, et al. **J Histochem Cytochem** 1987 Mar;35(3):361–9

Removal of endogenous peroxidase activity from cryostat sections for immunoperoxidase visualisation of monoclonal antibodies. Kelly J, et al. **J Immunol Methods** 1987 Jan 26;96(1):127–32

Frozen section detection of lymph node metastases in prostatic carcinoma: accuracy in grossly uninvolved pelvic lymphadenectomy specimens. Epstein JI, et al. **J Urol** 1986 Dec;136(6):1234–7

Accuracy and significance of fine–needle aspiration and frozen section in determining the extent of thyroid resection. Keller MP, et al. **Surgery** 1987 May;101(5):632–5

Surface cryoplaning. A technique for clinical anatomical correlations. Rauschning W. **Ups J Med Sci** 1986; 91(3):251–5

[Morphometric studies on numerical area density of glomerular cells (nuclear section) in the pathogenetic evaluation of minimal glomerular abnormalities] Wolf E, et al. **Zentralbl Allg Pathol** 1986;132(5–6):477–85 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

The diamond knife "semi": a substitute for glass or conventional diamond knives in the ultramicrotomy of thin and semi–thin sections. Reymond OL. **Basic Appl Histochem** 1986;30(4):487–94

A machine for sawing 80–micrometer slices of carious enamel. Borsboom PC, et al. **Stain Technol** 1987 Mar; 62(2):119–25

METHODS

Slicing technique for tooth specimens in histological preparation. Lan WH, et al. **Bull Tokyo Med Dent Univ** 1986 Dec;33(4):129–36

A new integrated concept for the improved preparation of sections of fresh or frozen tissue for light microscope histochemistry. Fink S. **Histochemistry** 1986;86(1):43–52

Paper sections of macroenzymatically delineated myocardial necrosis. Derias NW, et al. **Int J Cardiol** 1986 Nov; 13(2):201–5

Circumferential cross–sectional specimen preparation for surgical margin evaluation. Miller RI, et al. **J Oral Maxillofac Surg** 1987 Jul;45(7):642

Structure of Mycoplasma salivarium examined by the freeze substitution method. Takade A, et al. **Microbiol Immunol** 1986;30(8):827–30

Gelatin embedding of central nervous system tissue improves the quality of vibratome sections. Gurusinghe CJ, et al. **Stain Technol** 1986 Sep;61(5):324–6

A simple method for exact alignment of small paraffin embedded specimens to the cutting plane. Hilger HH, et al. **Stain Technol** 1987 Jul;62(4):282–3

Serial sectioning techniques for a modified LKB Historesin. Yeung EC, et al. **Stain Technol** 1987 May;62(3):147–53

Large section cryomicrotomy: a basic method for microdissectioning and in vitro autoradiography of human nervous tissue. Aquilonius SM. **Ups J Med Sci** 1986; 91(3):245–50

[The diagnostic value of the Davidson fixation method on the toxicological evaluation of eye lesions—histopathological findings of cataract formation following galactose diet intake in rats] Toyoda K, et al. **Eisei Shikenjo Hokoku** 1986;(104):82–6 (Eng. Abstr.) **(Jpn)**

[Three–dimensional analysis of colonic adenoma and of carcinoma in adenoma with scanning electron microscope and sequential serial sectioning] Ohkubo T, et al. **Nippon Geka Gakkai Zasshi** 1986 Dec;87(12):1526–39 (Eng. Abstr.) **(Jpn)**

[Method of preparing biological objects for precision ultramicrotomy] Sidorkin VG. **Arkh Anat Gistol Embriol** 1986 Nov;91(11):73–5 **(Rus)**

MICROTRABECULAR LATTICE see **CYTOSKELETON**

MICROTUBULE–ASSOCIATED PROTEINS

ANALYSIS

Microtubule–associated proteins. Olmsted JB. **Annu Rev Cell Biol** 1986;2:421–57 (230 ref.)

A cDNA for a human microtubule associated protein 2 epitope in the Alzheimer neurofibrillary tangle. Neve RL, et al. **Brain Res** 1986 Nov;387(2):193–6

Cellular distribution of a protein related to neuronal microtubule–associated protein MAP–2 in Leydig cells. Dráberová E, et al. **Cell Biol Int Rep** 1986 Nov; 10(11):881–90

Evidence that MAP–2 may be involved in pigment granule transport in squirrel fish erythrophores. Stearns ME, et al. **Cell Motil Cytoskeleton** 1987;7(3):221–34

Decoration of microtubules by fluorescently labeled microtubule–associated protein 2 (MAP2) does not interfere with their spatial organization and progress through mitosis in living fibroblasts. Vandenbunder B, et al. **Cell Motil Cytoskeleton** 1986;6(6):570–9

18 kDa microtubule–associated protein: identification as a new light chain (LC–3) of microtubule–associated protein 1 (MAP–1). Kuznetsov SA, et al. **FEBS Lett** 1987 Feb 9;212(1):145–8

Tropomyosin reverses cross–linking of F–actin with microtubule–associated protein–2. Okagaki T, et al. **J Biochem (Tokyo)** 1987 Jan;101(1):189–97

A microtubule–binding protein associated with membranes of the Golgi apparatus. Allan VJ, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2229–39

"Buttonin," a unique button–shaped microtubule–associated protein (75 kD) that decorates spindle microtubule surface hexagonally. Hirokawa N, et al. **J Cell Biol** 1987 Jun; 104(6):1553–61

Colocalization of microtubule–associated protein 1A and microtubule–associated protein 2 on neuronal microtubules in situ revealed with double–label immunoelectron microscopy. Shiomura Y, et al. **J Cell Biol** 1987 Jun; 104(6):1575–8

Microheterogeneity of microtubule–associated tau proteins is due to differences in phosphorylation. Butler M, et al. **J Neurochem** 1986 Nov;47(5):1517–22

The molecular structure of microtubule–associated protein 1A (MAP1A) in vivo and in vitro. An immunoelectron microscopy and quick–freeze, deep–etch study. Shiomura Y, et al. **J Neurosci** 1987 May;7(5):1461–9

Recognition of tau epitopes by anti–neurofilament antibodies that bind to Alzheimer neurofibrillary tangles. Ksiezak–Reding H, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3410–4

Recognition of Alzheimer paired helical filaments by monoclonal neurofilament antibodies is due to crossreaction with tau protein. Nukina N, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3415–9

[18 kD microtubule–associated protein—a new light chain (LC–3) of the MAP–1 protein] Kuznetsov SA, et al. **Dokl Akad Nauk SSSR** 1986;289(4):999–1002 **(Rus)**

GENETICS

Identification of cDNA clones for the human microtubule–associated protein tau and chromosomal localization of the genes for tau and microtubule–associated protein 2. Neve RL, et al. **Brain Res** 1986 Dec; 387(3):271–80

Isolation of mip (microtubule–interacting protein) mutations of Aspergillus nidulans. Weil CF, et al. **Mol Cell Biol** 1986 Aug;6(8):2963–8

IMMUNOLOGY

A monoclonal antibody that recognizes a phosphorylated epitope in Alzheimer neurofibrillary tangles, neurofilaments and tau proteins immunostains granulovacuolar degeneration. Dickson DW, et al. **Acta Neuropathol (Berl)** 1987;73(3):254–8

Two monoclonal antibodies recognize Alzheimer's neurofibrillary tangles, neurofilament, and microtubule–associated proteins. Ksiezak–Reding H, et al. **J Neurochem** 1987 Feb;48(2):455–62

Influence of monoclonal antibodies on microtubule assembly. Matus A, et al. **J Neurochem** 1987 Sep;49(3):714–20

Filamentous aggregates in Pick's disease, progressive supranuclear palsy, and Alzheimer's disease share antigenic determinants with microtubule–associated protein, tau [letter] Pollock NJ, et al. **Lancet** 1986 Nov 22;2(8517):1211

Amyloid scrapie plaques in mice, and Alzheimer senile plaques, share common antigens with tau, a microtubule–associated protein. Brion JP, et al. **Neurosci Lett** 1987 Jul 9;78(1):113–8

ISOLATION & PURIFICATION

Identification of the 190 kD microtubule–associated protein in cultured fibroblasts and its association with interphase and mitotic microtubules. Kotani S, et al. **Cell Struct Funct** 1987 Feb;12(1):1–9

Structural differences of microtubule associated proteins from brain probed by tryptic peptide mapping. Tanabe K, et al. **J Biochem (Tokyo)** 1986 Jul;100(1):59–65

A novel microtubule–associated protein from mammalian nerve shows ATP–sensitive binding to microtubules. Hollenbeck PJ, et al. **J Cell Biol** 1986 Oct;103(4):1539–45

Purification and characterization of a 190–kD microtubule–associated protein from bovine adrenal cortex. Murofushi H, et al. **J Cell Biol** 1986 Nov;103(5):1911–9

Purification and assay of primate 210K microtubule–associated protein. Bulinski JC. **Methods Enzymol** 1986;134:147–56

Purification of tau protein from brain. Drubin D, et al. **Methods Enzymol** 1986;134:156–60

Purification and assay of cold–stable microtubules and STOP protein. Margolis RL, et al. **Methods Enzymol** 1986; 134:160–70

Direct identification of microtubule–associated proteins by selective extraction of cultured cells. Solomon F. **Methods Enzymol** 1986;134:139–47

Reversible assembly purification of microtubules without assembly–promoting agents and further purification of tubulin, microtubule–associated proteins, and MAP fragments. Vallee RB. **Methods Enzymol** 1986;134:89–104

Purification of microtubules and microtubule–associated proteins from sea urchin eggs and cultured mammalian cells using taxol, and use of exogenous taxol–stabilized brain microtubules for purifying microtubule–associated proteins. Vallee RB, et al. **Methods Enzymol** 1986;134:116–27

Purification of brain microtubules and microtubule–associated protein 1 using taxol. Vallee RB. **Methods Enzymol** 1986;134:104–15

METABOLISM

Filaments of Pick's bodies contain altered cytoskeletal elements. Perry G, et al. **Am J Pathol** 1987 Jun; 127(3):559–68

Alzheimer's neurofibrillary tangles contain unique epitopes and epitopes in common with the heat–stable microtubule associated proteins tau and MAP2. Yen SH, et al. **Am J Pathol** 1987 Jan;126(1):81–91

Effect of estramustine phosphate on the assembly of trypsin–treated microtubules and microtubules reconstituted from purified tubulin with either tau, MAP2, or the tubulin–binding fragment of MAP2. Fridén B, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):123–30

Self assembly of microtubule associated protein tau into filaments resembling those found in Alzheimer disease. Montejo de Garcini E, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):790–6

Involvement of pentylenetetrazole in synapsin I phosphorylation associated with calcium influx in synaptosomes from rat cerebral cortex. Onozuka M, et al. **Biochem Pharmacol** 1987 May 1;36(9):1407–15

Comparison of S100b protein with calmodulin: interactions with melittin and microtubule–associated tau proteins and inhibition of phosphorylation of tau proteins by protein kinase C. Baudier J, et al. **Biochemistry** 1987 May 19; 26(10):2886–93

Direct incorporation of guanosine 5'–diphosphate into microtubules without guanosine 5'–triphosphate hydrolysis. Hamel E, et al. **Biochemistry** 1986 Nov 4;25(22):7054–62

Specificity and biological significance of microtubule–associated protein–DNA interactions in chick. Hancock JM, et al. **Biochim Biophys Acta** 1987 Feb 18; 927(2):163–9

Tannic acid enhances staining of microtubule associated proteins, but impairs neuronal physiology. Berdan RC, et al. **Brain Res** 1987 Aug 4;417(1):153–7

Differentiation of the cerebellar granule cell: expression of a synaptic vesicle protein and the microtubule–associated protein MAP1A. Cambray–Deakin MA, et al. **Brain Res** 1987 Jul;431(1):1–7

An immunocytochemical analysis of the ontogeny of the microtubule–associated proteins MAP–2 and Tau in the nervous system of the rat. Ferreira A, et al. **Brain Res** 1987 Jul;431(1):9–31

Hirano bodies contain tau protein. Galloway PG, et al. **Brain Res** 1987 Feb 17;403(2):337–40

Reactivation of spindle elongation in vitro is correlated with the phosphorylation of a 205 kd spindle–associated protein. Wordeman L, et al. **Cell** 1987 Aug 14;50(4):535–43

Rapid proteolysis of brain MAP–1 related cytoskeleton–associated 350kd protein by purified calpain. Sato C, et al. **Cell Struct Funct** 1986 Sep;11(3):253–7

Differential expression of microtubule components during brain development. Nunez J. **Dev Neurosci** 1986; 8(3):125–41 (114 ref.)

A protein factor from Bufo marinus erythrocytes cross–bridges microtubules in vitro. Centonze VE, et al. **Exp Cell Res** 1986 Dec;167(2):471–83

Phosphorylated 350 kD protein in the nucleus as it is associated with cell transformation. Sato C, et al. **Exp Cell Res** 1986 Dec;167(2):281–6

Protein kinase C phosphorylates tau and induces its functional alterations. Hoshi M, et al. **FEBS Lett** 1987 Jun 15; 217(2):237–41

Limited chymotryptic digestion of bovine adrenal 190,000–Mr microtubule–associated protein and preparation of a 27,000–Mr fragment which stimulates microtubule assembly. Aizawa H, et al. **J Biol Chem** 1987 Mar 15;262(8):3782–7

Purified protein kinase C phosphorylates microtubule–associated protein 2. Akiyama T, et al. **J Biol Chem** 1986 Nov 25;261(33):15648–51

Plectin and IFAP–300K are homologous proteins binding to microtubule–associated proteins 1 and 2 and to the 240–kilodalton subunit of spectrin. Herrmann H, et al. **J Biol Chem** 1987 Jan 25;262(3):1320–5

Binding of microtubule–associated protein 2 and tau to the intermediate filament reassembled from neurofilament 70–kDa subunit protein. Its regulation by calmodulin. Miyata Y, et al. **J Biol Chem** 1986 Oct 5;261(28):13026–30

Numerous phosphates of microtubule–associated protein 2 in living rat brain. Tsuyama S, et al. **J Biol Chem** 1987 Aug 5;262(22):10886–92

Modulation of microtubule assembly and stability by phosphatidylinositol action on microtubule–associated protein–2. Yamauchi PS, et al. **J Biol Chem** 1987 Mar 5; 262(7):3369–75

Sequential phosphorylation of chartin microtubule–associated proteins is regulated by the presence of microtubules. Aletta JM, et al. **J Cell Biol** 1987 Jul;105(1):277–90

Phase dynamics at microtubule ends: the coexistence of microtubule length changes and treadmilling. Farrell KW,

et al. **J Cell Biol** 1987 Apr;104(4):1035–46
Selective inhibition of responses to nerve growth factor and of microtubule-associated protein phosphorylation by activators of adenylate cyclase. Greene LA, et al. **J Cell Biol** 1986 Nov;103(5):1967–78
Localization of the phosphorylation sites for different kinases in the microtubule-associated protein MAP2. Hernández MA, et al. **J Neurochem** 1987 Jan;48(1):84–93
The brain 68-kilodalton microtubule-associated protein is a cognate form of the 70-kilodalton mammalian heat-shock protein and is present as a specific isoform in synaptosomal membranes. Whatley SA, et al. **J Neurochem** 1986 Nov; 47(5):1576–83
MAP5: a novel brain microtubule-associated protein under strong developmental regulation. Riederer B, et al. **J Neurocytol** 1986 Dec;15(6):763–75
Alzheimer's disease: Tau proteins, the promoting factors of microtubule assembly, are major components of paired helical filaments. Delacourte A, et al. **J Neurol Sci** 1986 Dec;76(2–3):173–86
Alzheimer's disease and tau proteins [letter] Brion JP, et al. **Lancet** 1986 Nov 8;2(8515):1098
Binding of glyceraldehyde 3-phosphate dehydrogenase to microtubules. Durrieu C, et al. **Mol Cell Biochem** 1987 Mar; 74(1):55–65
Altered structural proteins in plaques and tangles: what do they tell us about the biology of Alzheimer's disease? Selkoe DJ. **Neurobiol Aging** 1986 Nov–Dec;7(6):425–32 (96 ref.)
Common and distinct tubulin binding sites for microtubule-associated proteins. Littauer UZ, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7162–6
Rapid stimulation by insulin of a serine/threonine kinase in 3T3–L1 adipocytes that phosphorylates microtubule-associated protein 2 in vitro. Ray LB, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1502–6
Intranuclear appearance of the phosphorylated form of cytoskeleton-associated 350-kDa proteins in U1-ribonucleoprotein regions after growth stimulation of fibroblasts. Sato C, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7287–91

PHARMACODYNAMICS

Comparison of the microtubule formation induced by cytosynalin and MAPs. Itoh K, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):711–6
Periodic crosslinking of microtubules by cytoplasmic microtubule-associated and microtubule-corset proteins from a trypanosomatid. Bramblett GT, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3259–63

PHYSIOLOGY

Nonneural microtubule proteins: structure and function. MacRae TH. **Bioessays** 1987 Mar;6(3):128–32
Tau protein function in living cells. Drubin DG, et al. **J Cell Biol** 1986 Dec;103(6 Pt 2):2739–46
Synapsin I bundles F-actin in a phosphorylation-dependent manner. Bähler M, et al. **Nature** 1987 Apr 16–22; 326(6114):704–7
Synapsin I and the cytoskeleton [news] Baines AJ. **Nature** 1987 Apr 16–22;326(6114):646
Cytoskeleton. Dynamic microtubule dynamics [news] Williams RC Jr, et al. **Nature** 1986 Nov 13–19; 324(6093):106–7

MICROTUBULE PROTEINS

ANALYSIS

Effect of zinc ions on the interaction of S-100 protein with brain microtubule proteins. Fujii T, et al. **Chem Pharm Bull (Tokyo)** 1986 Dec;34(12):5040–4
Kinesin is associated with a nonmicrotubule component of sea urchin mitotic spindles. Leslie RJ, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2771–5

IMMUNOLOGY

Cross-reactivity of antibodies specific for flagellar tektin and intermediate filament subunits. Chang XJ, et al. **J Cell Biol** 1987 Jun;104(6):1563–8
Alzheimer's disease, microtubule and neurofilament proteins, and axoplasmic flow [letter] Iqbal K, et al. **Lancet** 1987 Jan 10;1(8524):102

ISOLATION & PURIFICATION

Identification of centrosomal proteins in a human lymphoblastic cell line. Gosti-Testu F, et al. **EMBO J** 1986 Oct;5(10):2545–50
Biochemical characterization of tektins from sperm flagellar doublet microtubules. Linck RW, et al. **J Cell Biol** 1987 Apr;104(4):1069–75
Bovine brain kinesin is a microtubule-activated ATPase. Kuznetsov SA, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8530–4
[Isolation and identification of microtubule protein and its application in anticancer drug screening] Li ZR, et al. **Yao Hsueh Hsueh Pao** 1986 Sep;21(9):651–6 (Eng. Abstr.) **(Chi)**

METABOLISM

Inhibition of microtubule assembly by poly(L-glutamic acid) and the site of its action. Fujii T, et al. **Biochem Cell Biol** 1986 Jul;64(7):615–21
Mechanism of endogenous phosphorylation of microtubule proteins during GTP-induced microtubule assembly and implications for stability of the assembled structures. Palomares R, et al. **Biochim Biophys Acta** 1987 Jan 19; 927(1):139–47
Effects of GDP on microtubules at steady state. Martin SR, et al. **Biophys Chem** 1987 Jul;27(1):67–76
Effects of acetaldehyde on polymerization of microtubule proteins. McKinnon G, et al. **Brain Res** 1987 Jul 21; 416(1):90–9
Microtubular protein impairment by pentanal and hexanal. Miglietta A, et al. **Cell Biochem Funct** 1987 Jul;5(3):189–94
Cordycepin disrupts the microtubule networks and arrests Nil 8 hamster fibroblasts at the onset of mitosis. Zieve GW, et al. **Cell Motil Cytoskeleton** 1987;7(4):337–46
Alzheimer's disease: Tau proteins, the promoting factors of microtubule assembly, are major components of paired helical filaments. Delacourte A, et al. **J Neurol Sci** 1986 Dec;76(2–3):173–86
Correlation between the ATPase and microtubule translocating activities of sea urchin egg kinesin. Cohn SA, et al. **Nature** 1987 Jul 9–15;328(6126):160–3
Diabetic rat serum has an increased capacity to inhibit brain microtubule formation in vitro. McLean WG, et al. **Neurochem Pathol** 1986 Jun;4(3):165–76

PHARMACODYNAMICS

Periodic crosslinking of microtubules by cytoplasmic microtubule-associated and microtubule-corset proteins from a trypanosomatid. Bramblett GT, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3259–63

MICROTUBULES

F-actin and microtubule suspensions as indeterminate fluids. Buxbaum RE, et al. **Science** 1987 Mar 20;235(4795):1511–4

ANALYSIS

Immunogold staining of microtubules in resting and activated platelets. Escolar G, et al. **Am J Hematol** 1987 Feb; 24(2):177–88
"Buttonin," a unique button-shaped microtubule-associated protein (75 kD) that decorates spindle microtubule surface hexagonally. Hirokawa N, et al. **J Cell Biol** 1987 Jun; 104(6):1553–61
Colocalization of microtubule-associated protein 1A and microtubule-associated protein 2 on neuronal microtubules in situ revealed with double-label immunoelectron microscopy. Shiomura Y, et al. **J Cell Biol** 1987 Jun; 104(6):1575–8
Gold labeling of microtubules in cleaved whole mounts of cortical root cells. Traas JA, et al. **J Histochem Cytochem** 1986 Nov;34(11):1501–4
Detection of microtubules of the flagellate Trichomonas vaginalis by monoclonal antibodies specific for beta-tubulin. Schwartzman JD, et al. **J Protozool** 1986 Nov;33(4):576–8

DRUG EFFECTS

The effect of vincristine on parathyroid hormone release and on the parathyroid cell microtubular structures in the intact rat. Shah JH, et al. **Acta Endocrinol (Copenh)** 1987 Feb; 114(2):269–74
Effect of estramustine phosphate on the assembly of trypsin-treated microtubules and microtubules reconstituted from purified tubulin with either tau, MAP2, or the tubulin-binding fragment of MAP2. Fridén B, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):123–30
The effect of 2-(4-methyl-1-piperazinylmethyl) acrylophenone dihydrochloride on the alkylation of tubulin. Luduena RF, et al. **Arch Biochem Biophys** 1987 Jun;255(2):453–9
Comparison of the microtubule formation induced by cytosynalin and MAPs. Itoh K, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):711–6
Magnesium ion effects on microtubule nucleation in vitro. Martin SR, et al. **Biochim Biophys Acta** 1987 Jul 24; 914(1):96–100
Effects of microtubule inhibitors on etoposide accumulation and DNA damage in human K562 cells in vitro. Yalowich JC. **Cancer Res** 1987 Feb 15;47(4):1010–5
Dimethyl sulfoxide induces microtubule formation in cultured arterial smooth muscle cells. Katsuda S, et al. **Cell Biol Int Rep** 1987 Feb;11(2):103–10
Germinal vesicle migration and dissolution in Rana pipiens oocytes: effect of steroids and microtubule poisons. Lessman CA. **Cell Differ** 1987 Apr;20(4):239–51
Effects of spirogermanium on the in vitro assembly and disassembly of brain microtubules. Peyrot V, et al. **Chem Biol Interact** 1987 Feb;61(2):151–8
Inhibition of microtubule assembly by actinomycin D, an anti-tumour drug. Rajagopalan R, et al. **Chem Biol Interact** 1986 Nov;60(2):201–6
A mutant beta-tubulin confers resistance to the action of benzimidazole-carbamate microtubule inhibitors both in vivo and in vitro. Foster KE, et al. **Eur J Biochem** 1987 Mar 16;163(3):449–55
Taxol affects both the microtubular arrays of heliozoan axonemes and their microtubule-organizing center. Hauser M. **Eur J Cell Biol** 1986 Dec;42(2):295–304
Effects of lithium on human leukocyte chemotaxis. Indirect evidence from the use of potassium and vinblastine concerning the modulation of microtubular system. Azzarà A, et al. **Haematologica (Pavia)** 1987 Mar–Apr;72(2):121–7
In vitro inhibition of microtubule assembly by disulfiram. Potchoo Y, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Sep;24(9):499–504
Characterization of the microtubule movement produced by sea urchin egg kinesin. Porter ME, et al. **J Biol Chem** 1987 Feb 25;262(6):2794–802
2,5-Hexanedione alters microtubule assembly. I. Testicular atrophy, not nervous system toxicity, correlates with enhanced tubulin polymerization. Boekelheide K. **Toxicol Appl Pharmacol** 1987 May;88(3):370–82
2,5-Hexanedione alters microtubule assembly. II. Enhanced polymerization of crosslinked tubulin. Boekelheide K. **Toxicol Appl Pharmacol** 1987 May;88(3):383–96
The role of microtubules in chlorinated alkane-induced fatty liver. Selan FM, et al. **Toxicol Lett** 1987 Apr;36(2):117–27
Hormone-independent, non-alkylating mechanism of cytotoxicity for estramustine. Tew KD, et al. **Urol Res** 1987;15(3):155–60
[Effect of Ca2+ on microtubules and axoplasmic transport in the sciatic nerve in vivo] Gan SD, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 May;7(3):204–7 (Eng. Abstr.) **(Chi)**

ENZYMOLOGY

Microtubules bind glyceraldehyde 3-phosphate dehydrogenase and modulate its enzyme activity and quaternary structure. Durrieu C, et al. **Arch Biochem Biophys** 1987 Jan;252(1):32–40
Localization of the phosphorylation sites for different kinases in the microtubule-associated protein MAP2. Hernández MA, et al. **J Neurochem** 1987 Jan;48(1):84–93
Solubilization and partial characterization of acetylcholinesterase from the sarcotubular system of skeletal muscle. Muñoz-Delgado E, et al. **Neurochem Res** 1987 Jul;12(7):597–605

IMMUNOLOGY

Heterogeneity of microtubules recognized by monoclonal antibodies to alpha-tubulin. Dráber P, et al. **Eur J Cell Biol** 1986 Jun;41(1):82–8
Widespread occurrence of anti-troponin T crossreactive components in non-muscle cells. Lim SS, et al. **J Cell Sci** 1986 Sep;85:1–19
Influence of monoclonal antibodies on microtubule assembly. Matus A, et al. **J Neurochem** 1987 Sep;49(3):714–20

METABOLISM

Microtubule-associated proteins. Olmsted JB. **Annu Rev Cell Biol** 1986;2:421–57 (230 ref.)
On the relationship between nucleotide hydrolysis and microtubule assembly: studies with a GTP-regenerating system. Schilstra MJ, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):588–95
Direct incorporation of guanosine 5'-diphosphate into microtubules without guanosine 5'-triphosphate hydrolysis. Hamel E, et al. **Biochemistry** 1986 Nov 4;25(22):7054–62
Magnesium requirements for guanosine 5'-O-(3-thiotriphosphate) induced assembly of microtubule protein and tubulin. Roychowdhury S, et al. **Biochemistry** 1986 Dec 2;25(24):7847–53
Tubulin oligomers and microtubule assembly studied by time-resolved X-ray scattering: separation of prenucleation and nucleation events. Spann U, et al. **Biochemistry** 1987 Feb 24;26(4):1123–32
Microtubule assembly is dependent on a cluster of basic residues in alpha-tubulin. Szasz J, et al. **Biochemistry** 1986 Aug 12;25(16):4572–82
In vitro assembly and isolation of neurofilaments and microtubules from mammalian CNS. Iqbal K, et al. **Brain Res** 1987 Jul;388(2):163–72
The ras-related YPT1 gene product in yeast: a GTP-binding protein that might be involved in microtubule organization. Schmitt HD, et al. **Cell** 1986 Nov 7;47(3):401–12
Microtubular protein impairment by pentanal and hexanal. Miglietta A, et al. **Cell Biochem Funct** 1987 Jul;5(3):189–94
Identification of the 190 kD microtubule-associated protein in cultured fibroblasts and its association with interphase and mitotic microtubules. Kotani S, et al. **Cell Struct Funct** 1987 Feb;12(1):1–9
The role of microtubules in the phagocytosis of collagen by fibroblasts. Everts V, et al. **Coll Relat Res** 1987 Apr; 7(1):1–15
Tyrosination of microtubules and non-assembled tubulin in brain slices. Beltramo DM, et al. **Eur J Biochem** 1987 Jan 2;162(1):137–41
Is microtubule assembly a biphasic process? A fluorimetric study using 4',6-diamidino-2-phenylindole as a probe. Heusele C, et al. **Eur J Biochem** 1987 Jun 15;165(3):613–20
Microtubule arrays in differentiated cells contain elevated levels of a post-translationally modified form of tubulin. Gundersen GG, et al. **Eur J Cell Biol** 1986 Dec; 42(2):288–94
Intact microtubules are necessary for complete processing, storage and regulated secretion of von Willebrand factor

by endothelial cells. Sinha S, et al. **Eur J Cell Biol** 1987 Jun;43(3):377–83

Distribution of cytoskeletal proteins sharing a conserved phosphorylated epitope. Vandré DD, et al. **Eur J Cell Biol** 1986 Jun;41(1):72–81

A factor in the serum of diabetic patients inhibits microtubule formation. Casson IF, et al. **Exp Clin Endocrinol** 1987 Apr; 89(2):225–8

Limited chymotryptic digestion of bovine adrenal 190,000–Mr microtubule–associated protein and preparation of a 27,000–Mr fragment which stimulates microtubule assembly. Aizawa H, et al. **J Biol Chem** 1987 Mar 15;262(8):3782–7

Differentiation between dynamic instability and end–to–end annealing models for length changes of steady–state microtubules. Caplow M, et al. **J Biol Chem** 1986 Dec 5; 261(34):16233–40

A fluorescent analog of colcemid, N–(7–nitrobenz–2–oxa–1,3–diazol–4–yl)–colcemid, as a probe for the colcemid–binding sites of tubulin and microtubules. Hiratsuka T, et al. **J Biol Chem** 1987 May 5;262(13):6318–22

Phosphorylation of alpha–tubulin carboxyl–terminal tyrosine prevents its incorporation into microtubules. Wandosell F, et al. **J Biol Chem** 1987 Jun 15;262(17):8268–73

Modulation of microtubule assembly and stability by phosphatidylinositol action on microtubule–associated protein–2. Yamauchi PS, et al. **J Biol Chem** 1987 Mar 5; 262(7):3369–75

Sequential phosphorylation of chartin microtubule–associated proteins is regulated by the presence of microtubules. Aletta JM, et al. **J Cell Biol** 1987 Jul;105(1):277–90

Postpolymerization detyrosination of alpha–tubulin: a mechanism for subcellular differentiation of microtubules. Gundersen GG, et al. **J Cell Biol** 1987 Jul;105(1):251–64

A novel microtubule–associated protein from mammalian nerve shows ATP–sensitive binding to microtubules. Hollenbeck PJ, et al. **J Cell Biol** 1986 Oct;103(4):1539–45

Distribution and content of microtubules in relation to the transport of lipid. An ultrastructural quantitative study of the absorptive cell of the small intestine. Reaven EP, et al. **J Cell Biol** 1977 Nov;75(2 Pt 1):559–72

Assembly and turnover of detyrosinated tubulin in vivo. Webster DR, et al. **J Cell Biol** 1987 Jul;105(1):265–76

Kinetic properties of microtubule–activated 13 S and 21 S dynein ATPases. Evidence for allosteric behaviour associated with the inner row and outer row dynein arms. Warner FD, et al. **J Cell Sci** 1986 Jul;83:251–67

Biochemical and genetic approaches to microtubule function in Dictyostelium discoideum. White E, et al. **Methods Cell Biol** 1987;28:245–59

Isolation of sea urchin spindles and cytasters. Kuriyama R. **Methods Enzymol** 1986;134:190–9

Calmodulin and cold–labile microtubules. Lee YC, et al. **Methods Enzymol** 1987;139:834–46

Erythro–9–[3–(2–hydroxynonyl)]adenine and vanadate as probes for microtubule–based cytoskeletal mechanochemistry. Penningroth SM. **Methods Enzymol** 1986;134:477–87

Binding of glyceraldehyde 3–phosphate dehydrogenase to microtubules. Durrieu C, et al. **Mol Cell Biochem** 1987 Mar; 74(1):55–65

Microtubule activation of kinesin ATPase activity [news] [published erratum appears in Nature 1987 Apr 30–May6;326(6116):830] Cohn S. **Nature** 1987 Mar 5–11; 326(6108):16–7

Correlation between the ATPase and microtubule translocating activities of sea urchin egg kinesin. Cohn SA, et al. **Nature** 1987 Jul 9–15;328(6126):160–3

Microtubule disassembly increases the number of opioid receptor binding sites in rat cerebrum membranes. Borsodi A, et al. **Neuropeptides** 1986 Jul;8(1):51–4

Promotion of tubulin assembly by aluminum ion in vitro. Macdonald TL, et al. **Science** 1987 Apr 10;236(4798):183–6

Preferred microtubules for vesicle transport in lobster axons. Miller RH, et al. **Science** 1987 Jan 9;235(4785):220–2

PHYSIOLOGY

Shaping of the chick neuroepithelium during primary and secondary neurulation: role of cell elongation. Schoenwolf GC, et al. **Anat Rec** 1987 Jun;218(2):182–95

Movements of vesicles on microtubules. Sheetz MP, et al. **Ann NY Acad Sci** 1987;493:409–16

Microtubule organizing centers. Brinkley BR. **Annu Rev Cell Biol** 1985;1:145–72 (123 ref.)

Depolymerization of microtubules alters membrane potential and affects the motional freedom of membrane proteins. Aszalos A, et al. **Biochemistry** 1986 Sep 23;25(19):5804–9

Structural dynamics within mixed populations of microtubules and protofilament ribbons. Böhm KJ, et al. **Biochim Biophys Acta** 1987 Jul 6;929(2):154–63

Mechanism of endogenous phosphorylation of microtubule proteins during GTP–induced microtubule assembly and implications for stability of the assembled structures. Palomares R, et al. **Biochim Biophys Acta** 1987 Jan 19; 927(1):139–47

Microtubules and the calcium–dependent regulation of rat granulosa cell steroidogenesis. Carnegie JA, et al. **Biol Reprod** 1987 May;36(4):1007–15

Early evolution of microtubules and undulipodia. Szathmáry E. **Biosystems** 1987;20(2):115–31 (94 ref.)

The role of tubulin polymerization during spindle elongation in vitro. Masuda H, et al. **Cell** 1987 Apr 24;49(2):193–202

The role of microtubules in human natural killer cell–mediated cytotoxicity. Carpén O. **Cell Immunol** 1987 May;106(2):376–86

Evidence that MAP–2 may be involved in pigment granule transport in squirrel fish erythrophores. Stearns ME, et al. **Cell Motil Cytoskeleton** 1987;7(3):221–34

Vinblastine but not other microtubule inhibitors block transferrin endocytosis and iron uptake by reticulocytes. Morgan EH, et al. **Clin Exp Pharmacol Physiol** 1987 Feb; 14(2):119–26

Archenteron elongation in the sea urchin embryo is a microtubule–independent process. Hardin JD. **Dev Biol** 1987 May;121(1):253–62

Microtubules and the gonadotropic regulation of granulosa cell steroidogenesis. Carnegie JA, et al. **Endocrinology** 1987 Feb;120(2):819–28

Microtubule disruption does not prevent intracellular transport and secretory processes of cultured fibroblasts. Virtanen I, et al. **Eur J Cell Biol** 1986 Dec;42(2):281–7

Calibers and microtubules of sympathetic axons are not subject to trophic control by the preganglionic nerve. Fadić R, et al. **Exp Neurol** 1986 Oct;94(1):237–40

Micromanipulated bivalents can trigger mini–spindle formation in Drosophila melanogaster spermatocyte cytoplasm. Church K, et al. **J Cell Biol** 1986 Dec;103(6 Pt 2):2765–73

Tau protein function in living cells. Drubin DG, et al. **J Cell Biol** 1986 Dec;103(6 Pt 2):2739–46

Chromosomes move poleward in anaphase along stationary microtubules that coordinately disassemble from their kinetochore ends. Gorbsky GJ, et al. **J Cell Biol** 1987 Jan; 104(1):9–18

Microtubule polarity confers direction to pigment transport in chromatophores. McNiven MA, et al. **J Cell Biol** 1986 Oct;103(4):1547–55

Microtubule sliding in mutant Chlamydomonas axonemes devoid of outer or inner dynein arms. Okagaki T, et al. **J Cell Biol** 1986 Nov;103(5):1895–902

Reactivated melanophore motility: differential regulation and nucleotide requirements of bidirectional pigment granule transport. Rozdzial MM, et al. **J Cell Biol** 1986 Dec;103(6 Pt 2):2755–64

Acetylated alpha–tubulin in Physarum: immunological characterization of the isotype and its usage in particular microtubular organelles. Sasse R, et al. **J Cell Biol** 1987 Jan;104(1):41–9

Microtubules and the endoplasmic reticulum are highly interdependent structures. Terasaki M, et al. **J Cell Biol** 1986 Oct;103(4):1557–68

Cellulose microfibril orientation in Oocystis solitaria: proof that microtubules control the alignment of the terminal complexes. Quader H. **J Cell Sci** 1986 Jul;83:223–34

Microtubule dynamics in the spindle. II. A thermodynamic and kinetic description. Cohn SA, et al. **J Theor Biol** 1986 Oct 7;122(3):277–301

Cytoskeleton. Dynamic microtubule dynamics [news] Williams RC Jr, et al. **Nature** 1986 Nov 13–19; 324(6093):106–7

The microtubule as an intracellular engine. Allen RD. **Sci Am** 1987 Feb;256(2):42–9

Platelet microtubules in clot structure formation and contractile force generation: investigation of a controversy. Jen CJ, et al. **Thromb Haemost** 1986 Aug 20;56(1):23–7

Effects of colchicine on the hepatocellular transport of indocyanine green in the rat. Mori M, et al. **Virchows Arch [B]** 1987;53(1):37–43

[Kinesin from the bovine brain: a novel mechanochemical ATPase activated by microtubules] Kuznetsov SA, et al. **Dokl Akad Nauk SSSR** 1986;291(6):1505–9 **(Rus)**

ULTRASTRUCTURE

The role of reactive intermediates in sulfhydryl–dependent immunotoxicity: interference with microtubule assembly and microtubule–dependent cell function. Irons RD. **Adv Exp Med Biol** 1986;197:645–55

Isolation of microtubule coils from platelets after exposure to aggregating agents. White JG, et al. **Am J Pathol** 1986 Nov;125(2):319–26

Microtubule reorganization is related to rate of heart myocyte hypertrophy in rat. Samuel JL, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):H1118–25

Microtubular protofilaments and subunits of the outer dynein arm in cilia from dogs with primary ciliary dyskinesia. Wilsman NJ, et al. **Am Rev Respir Dis** 1987 Jan; 135(1):137–43

Disposition of the manchette and related events in the feline spermatid. Sickels KI, et al. **Anat Rec** 1986 Nov; 216(3):367–72

Quick–frozen microtubules studied by cryoelectron microscopy and image processing. Mandelkow E, et al. **Ann NY Acad Sci** 1986;483:13–23

Microtubules and intermediate filaments of herpes simplex virus infected cells. Dienes HP, et al. **Arch Virol** 1987; 94(1–2):15–28

Inhibition of microtubule assembly by poly(L–glutamic acid) and the site of its action. Fujii T, et al. **Biochem Cell Biol** 1986 Jul;64(7):615–21

Microtubules as target organelles for benzimidazole anthelmintic chemotherapy. Gull K, et al. **Biochem Soc Trans** 1987 Feb;15(1):59–60

Interaction of tubulin with octyl glucoside and deoxycholate. 2. Protein conformation, binding of colchicine ligands, and microtubule assembly. Andreu JM, et al. **Biochemistry** 1986 Sep 9;25(18):5230–9

Enthalpy changes in microtubule assembly from pure tubulin. Hinz HJ, et al. **Biochemistry** 1986 Dec 16;25(25):8285–91

Magnesium requirements for guanosine 5'–O–(3–thiotriphosphate) induced assembly of microtubule protein and tubulin. Roychowdhury S, et al. **Biochemistry** 1986 Dec 2;25(24):7847–53

Microtubule disruption enhances prostaglandin E2 production in osteoblastic cells. Yeh CK, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):315–23

Effect of tubulozole, a new synthetic microtubule inhibitor, on the induction of casein gene expression by prolactin. Servely JL, et al. **Biol Cell** 1987;59(2):121–7

Effects of GDP on microtubules at steady state. Martin SR, et al. **Biophys Chem** 1987 Jul;27(1):67–76

Microtubules of frog olfactory axons: their length and number/axon. Burton PR. **Brain Res** 1987 Apr 14; 409(1):71–8

Separation of microtubule populations in rat brain homogenates by differential centrifugation. López LA, et al. **Brain Res** 1986 Sep 10;382(1):46–54

Cerebral ischemia in the gerbil: transmission electron microscopic and immunoelectron microscopic investigation. Yamamoto K, et al. **Brain Res** 1986 Oct 1; 384(1):1–10

Free intermingling of mammalian beta–tubulin isotypes among functionally distinct microtubules. Lewis SA, et al. **Cell** 1987 May 22;49(4):539–48

KAR1, a gene required for function of both intranuclear and extranuclear microtubules in yeast. Rose MD, et al. **Cell** 1987 Mar 27;48(6):1047–60

Reversible inhibition of microtubules and cell growth by the bicyclic colchicine analogue MTC. Díez JC, et al. **Cell Motil Cytoskeleton** 1987;7(2):178–86

Substructure of sidearms on squid axoplasmic vesicles and microtubules visualized by negative contrast electron microscopy. Langford GM, et al. **Cell Motil Cytoskeleton** 1987;7(1):20–30

Polarized microtubule gliding and particle saltations produced by soluble factors from sea urchin eggs and embryos. Pryer NK, et al. **Cell Motil Cytoskeleton** 1986; 6(6):537–48

Kinetochore microtubules in crane–fly spermatocytes: untreated, 2 degrees C–treated, and 6 degrees C–grown spindles. Scarcello LA, et al. **Cell Motil Cytoskeleton** 1986; 6(4):428–38

Decoration of microtubules by fluorescently labeled microtubule–associated protein 2 (MAP2) does not interfere with their spatial organization and progress through mitosis in living fibroblasts. Vandenbunder B, et al. **Cell Motil Cytoskeleton** 1986;6(6):570–9

Polymorphic assembly of subtilisin–cleaved tubulin. White EA, et al. **Cell Motil Cytoskeleton** 1987;7(1):31–8

Cytochalasin B–induced redistribution of cytokeratin filaments in PtK1 cells. Wolf KM, et al. **Cell Motil Cytoskeleton** 1987;7(4):347–60

Cordycepin disrupts the microtubule networks and arrests Nil 8 hamster fibroblasts at the onset of mitosis. Zieve GW, et al. **Cell Motil Cytoskeleton** 1987;7(4):337–46

Video microscopy of colloidal gold particles and immuno–gold labelled microtubules in improved rectified DIC and epi–illumination. Bajer AS, et al. **Cell Struct Funct** 1986 Sep;11(3):317–30

Demonstration of microtubules in the terminal web of mature absorptive cells from the small intestine of the rat. Hagen SJ, et al. **Cell Tissue Res** 1987 Jun;248(3):709–11

Loss of microtubules and alteration of glycoprotein migration in organ cultures of mouse intestine exposed to nocodazole or colchicine. Hugon JS, et al. **Cell Tissue Res** 1987 Jun; 248(3):653–62

Tropomyosin co–localizes with actin microfilaments and microtubules within supporting cells of the inner ear. Slepecky N, et al. **Cell Tissue Res** 1987 Apr;248(1):63–6

The distribution of intermicrotubular bridges in meiotic spindles of the crane fly. Bastmeyer M, et al. **Chromosoma** 1986;94(5):419–24

Alterations to the microtubular cytoskeleton and increased disorder of chromosome alignment in spontaneously ovulated mouse oocytes aged in vivo: an immunofluorescence study. Eichenlaub–Ritter U, et al. **Chromosoma** 1986;94(5):337–45

Relationship between the arrangement of microtubules and chromosome behaviour of syntelic autosomal univalents during prometaphase in crane fly spermatocytes. Steffen W. **Chromosoma** 1986;94(5):412–8

Microtubules and desmin filaments during onset of heart hypertrophy in rat: a double immunoelectron microscope study. Watkins SC, et al. **Circ Res** 1987 Mar;60(3):327–36

Differential expression of microtubule components during brain development. Nunez J. **Dev Neurosci** 1986; 8(3):125–41 (114 ref.)

Morphometric studies of secretory granule distribution and association with microtubules in beta–cells of rat islets during glucose stimulation. Yorde DE, et al. **Diabetes** 1987 Aug;36(8):905–13

Flow orientation of brain microtubules studied by linear dichroism. Nordh J, et al. **Eur Biophys J** 1986;14(2):113–22

Immunofluorescence of the microtubular skeleton in growing and drug–treated yeast protoplasts. Hašek J, et al. **Eur J Cell Biol** 1986 Aug;41(2):150–6

Taxol induces the formation of unusual arrays of cellular microtubules in colchicine-pretreated J774.2 cells. Manfredi JJ, et al. **Eur J Cell Biol** 1986 Oct;42(1):126–34

Melanoma dynein: evidence that dynein is a general "motor" for microtubule-associated cell motilities. Ogawa K, et al. **Eur J Cell Biol** 1987 Feb;43(1):3–9

Lengths of immunolabeled ciliary microtubules in frog photoreceptor outer segments. Kaplan MW, et al. **Exp Eye Res** 1987 May;44(5):623–32

Alteration of the microtubule organization in aging WI-38 fibroblasts. A comparative study with embryonic hamster lung fibroblasts. Raes M, et al. **Exp Gerontol** 1987; 22(1):47–58 (42 ref.)

The centrosome and its role in the organization of microtubules. Vorobjev IA, et al. **Int Rev Cytol** 1987; 106:227–93 (412 ref.)

Studies on macrocyclic lactone antibiotics. XI. Anti-mitotic and anti-tubulin activity of new antitumor antibiotics, rhizoxin and its homologues [published erratum appears in J Antibiot (Tokyo) 1987 Apr;40(4):following 565] Takahashi M, et al. **J Antibiot (Tokyo)** 1987 Jan;40(1):66–72

Cold-stable microtubules from Antarctic fishes contain unique alpha tubulins. Detrich HW 3d, et al. **J Biol Chem** 1987 Jun 15;262(17):8360–6

Phase dynamics at microtubule ends: the coexistence of microtubule length changes and treadmilling. Farrell KW, et al. **J Cell Biol** 1987 Apr;104(4):1035–46

Genetic analysis of microtubule structure: a beta-tubulin mutation causes the formation of aberrant microtubules in vivo and in vitro. Fuller MT, et al. **J Cell Biol** 1987 Mar; 104(3):385–94

Ultrastructural colocalization of tyrosinated and detyrosinated alpha-tubulin in interphase and mitotic cells. Geuens G, et al. **J Cell Biol** 1986 Nov;103(5):1883–93

Different structural states of a microtubule cross-linking molecule, captured by quick-freezing motile axostyles in protozoa. Heuser JE. **J Cell Biol** 1986 Dec;103(6 Pt 1):2209–27

Redistribution of microtubules and pericentriolar material during the development of polarity in mouse blastomeres. Houliston E, et al. **J Cell Biol** 1987 May;104(5):1299–308

Development of a differentiated microtubule structure: formation of the chicken erythrocyte marginal band in vivo. Kim S, et al. **J Cell Biol** 1987 Jan;104(1):51–9

Biochemical characterization of tektins from sperm flagellar doublet microtubules. Linck RW, et al. **J Cell Biol** 1987 Apr;104(4):1069–75

Actin in the preprophase band of Allium cepa. Palevitz BA. **J Cell Biol** 1987 Jun;104(6):1515–9

Microtubules containing acetylated alpha-tubulin in mammalian cells in culture. Piperno G, et al. **J Cell Biol** 1987 Feb;104(2):289–302

Microtubule-acting drugs lead to the nonpolarized delivery of the influenza hemagglutinin to the cell surface of polarized Madin-Darby canine kidney cells. Rindler MJ, et al. **J Cell Biol** 1987 Feb;104(2):231–41

The relative contributions of polymer annealing and subunit exchange to microtubule dynamics in vitro. Rothwell SW, et al. **J Cell Biol** 1987 Aug;105(2):863–74

Microtubule dynamics in vivo: a test of mechanisms of turnover. Sammak PJ, et al. **J Cell Biol** 1987 Mar; 104(3):395–405

Interzone microtubule behavior in late anaphase and telophase spindles. Saxton WM, et al. **J Cell Biol** 1987 Aug; 105(2):875–86

Subpellicular and flagellar microtubules of Trypanosoma brucei brucei contain the same alpha-tubulin isoforms. Schneider A, et al. **J Cell Biol** 1987 Mar;104(3):431–8

Dynamic and stable populations of microtubules in cells. Schulze E, et al. **J Cell Biol** 1987 Feb;104(2):277–88

Distinct localization and cell cycle dependence of COOH terminally tyrosinolated alpha-tubulin in the microtubules of Trypanosoma brucei brucei. Sherwin T, et al. **J Cell Biol** 1987 Mar;104(3):439–46

Accumulation of adrenocorticotropin secretory granules in the midbody of telophase AtT20 cells: evidence that secretory granules move anterogradely along microtubules. Tooze J, et al. **J Cell Biol** 1987 Apr;104(4):1047–57

Non-response of rough endoplasmic reticulum containing intracisternal microtubules to axotomy in the dog. Atoji Y, et al. **J Comp Pathol** 1986 Nov;96(6):613–21

The specific direct interaction of helper T cells and antigen-presenting B cells. II. Reorientation of the microtubule organizing center and reorganization of the membrane-associated cytoskeleton inside the bound helper T cells. Kupfer A, et al. **J Exp Med** 1987 Jun 1; 165(6):1565–80

Microtubule structure at 18 A resolution. Beese L, et al. **J Mol Biol** 1987 Mar 20;194(2):257–64

Microtubule stability along mammalian peripheral nerves. Donoso JA. **J Neurobiol** 1986 Sep;17(5):383–403

Axonal microtubules are stained and cross-linked by highly cationic polyethyleneimine. Scheidt P, et al. **J Neurocytol** 1987 Apr;16(2):215–20

Polarity orientations of microtubules in squid and lobster axons. Viancour TA, et al. **J Neurocytol** 1987 Feb; 16(1):69–75

Cytoskeleton of Toxoplasma gondii. Nichols BA, et al. **J Protozool** 1987 May;34(2):217–26

Novel extracellular matrix and microtubule cables associated with pseudopodia of Astrammina rara, a carnivorous Antarctic foraminifer. Bowser SS, et al. **J Ultrastruct Mol Struct Res** 1986 Feb;94(2):149–60

Methods to study the microtubule-neurofilament network in vitro. Aamodt EJ, et al. **Methods Enzymol** 1986; 124:544–55

X-ray diffraction of cytoskeletal fibers. Mandelkow E. **Methods Enzymol** 1986;134:633–57

Time-resolved X-ray scattering of microtubule assembly using synchrotron radiation. Mandelkow E, et al. **Methods Enzymol** 1986;134:657–76

Cryo-electron microscopy of unstained frozen-hydrated microtubules. Mandelkow EM, et al. **Methods Enzymol** 1986;134:612–33

Purification and assay of cold-stable microtubules and STOP protein. Margolis RL, et al. **Methods Enzymol** 1986; 134:160–70

Viewing single microtubules by video light microscopy. Schnapp BJ. **Methods Enzymol** 1986;134:561–73

Isolation of basal bodies from Chlamydomonas. Snell WJ. **Methods Enzymol** 1986;134:252–61

Purification of microtubules and microtubule-associated proteins from sea urchin eggs and cultured mammalian cells using taxol, and use of exogenous taxol-stabilized brain microtubules for purifying microtubule-associated proteins. Vallee RB, et al. **Methods Enzymol** 1986;134:116–27

Reversible assembly purification of microtubules without assembly-promoting agents and further purification of tubulin, microtubule-associated proteins, and MAP fragments. Vallee RB. **Methods Enzymol** 1986;134:89–104

Purification of brain microtubules and microtubule-associated protein 1 using taxol. Vallee RB. **Methods Enzymol** 1986;134:104–15

Effects of ATP and cyclic AMP on the in vitro assembly and stability of mammalian brain microtubules. Pariente F, et al. **Mol Cell Biochem** 1987 Mar;74(1):43–54

Microtubule assembly in the axon [letter] Bamburg JR, et al. **Nature** 1986 Oct 2–8;323(6087):400

Microtubule dynamics [letter] Kirschner MW, et al. **Nature** 1986 Dec 18–31;324(6098):621

Active sliding between cytoplasmic microtubules. Koonce MP, et al. **Nature** 1987 Aug 20–26;328(6132):737–9

Microtubule polarity reversal accompanies regrowth of amputated neurites. Baas PW, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5272–6

Periodic crosslinking of microtubules by cytoplasmic microtubule-associated and microtubule-corset proteins from a trypanosomatid. Brambiett GT, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3259–63

Synchronous oscillations in microtubule polymerization. Carlier MF, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(15):5257–61

Gap junction assembly in the preimplantation mouse conceptus is independent of microtubules, microfilaments, cell flattening, and cytokinesis. Kidder GM, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3718–22

Tubular lysosome morphology and distribution within macrophages depend on the integrity of cytoplasmic microtubules. Swanson J, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1921–5

Immunofluorescent studies on microtubules of normal and malignant human esophageal cells. Lin ZX, et al. **Sci Sin [B]** 1986 Mar;29(3):289–94

[Microtubules in the cellular lesions of Alzheimer's disease] Dustin P, et al. **Bull Acad Natl Med (Paris)** 1986 Nov; 170(8):1051–5 (Eng. Abstr.) **(Fre)**

[Ultrastructure of superficial skin blood vessels and microtubular structures (MTS) in skin lesions in Sjögren's syndrome] Yazaki K, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Jan;97(1):9–21 **(Jpn)**

[Detection of microtubule-associated globular structures in the granular cells of the frog bladder during stimulation of water transport] Snigirevskaia ES, et al. **Dokl Akad Nauk SSSR** 1986;290(5):1244–5 **(Rus)**

MICROTUS see CRICETIDAE

MICROVILLI

ANALYSIS

Phospholipid topology and flip-flop in intestinal brush-border membrane. Barsukov LI, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):87–99

Calmodulin and calmodulin-binding proteins in the renal brush border. De Smedt H, et al. **Biochim Biophys Acta** 1987 Jun 15;929(1):103–13

Studies on the structure and conformation of brush border myosin using monoclonal antibodies. Citi S, et al. **Eur J Biochem** 1987 Jun 1;165(2):315–25

Microvillus-specific Mr 75,000 plasma membrane protein of human choriocarcinoma cells. Pakkanen R, et al. **J Histochem Cytochem** 1987 Aug;35(8):809–16

Purification of the intestinal microvillus cytoskeletal proteins villin, fimbrin, and ezrin. Bretscher A. **Methods Enzymol** 1986;134:24–37

DRUG EFFECTS

Intraluminal calcium modulates lipid dynamics of rat intestinal brush-border membranes. Dudeja PK, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):G398–403

Effects of lidocaine on transport properties of renal brush-border membranes. Schell RE, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):256–62

ENZYMOLOGY

Hydrophobic interactions of brush border alkaline phosphatases: the role of phosphatidyl inositol. Seetharam B, et al. **Arch Biochem Biophys** 1987 Feb 15;253(1):189–98

Angiotensin converting enzyme predominates in the inner cortex and medulla of the rat kidney. Ikemoto F, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):915–21

Antipili antibody affords protection against ascending pyelonephritis in rat: evaluated by renal brush border membrane enzymes. Garg UC, et al. **Biochem Int** 1987 Mar; 14(3):517–24

The role of sphingomyelin synthetase and sphingomyelinase in 1,2-dimethylhydrazine-induced lipid alterations of rat colonic plasma membranes. Dudeja PK, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):309–12

The mode of anchoring and precursor forms of sucrase-isomaltase and maltase-glucoamylase in chicken intestinal brush-border membrane. Phylogenetic implications. Hu CB, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):275–86

Inactivation of atrial natriuretic factor by the renal brush border. Olins GM, et al. **Biochim Biophys Acta** 1987 Jul 10;901(1):97–100

Isolation of purified brush-border membranes from rat jejunum containing a Ca2+-independent phospholipase A2 activity. Pind S, et al. **Biochim Biophys Acta** 1987 Jul 10; 901(1):78–87

Maturational changes in terminal glycosylation of small intestinal microvillar proteins in the rat. Srivastava OP, et al. **Biochim Biophys Acta** 1987 Aug 5;914(2):143–51

The role of choline on the activity-temperature relationship of brush-border alkaline phosphatase. Tiruppathi C, et al. **Biochim Biophys Acta** 1987 Apr 23;898(3):283–92

Studies on the localization and properties of rat duodenal HCO3--ATPase with special relation to alkaline phosphatase. Wilkes JM, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):159–66

Is the proline-specific aminopeptidase P of the intestinal brush border an integral membrane enzyme? Lasch J, et al. **Biomed Biochim Acta** 1986;45(7):833–43

Is adult-type hypolactasia in the intestine of mammals related to changes in the intracellular processing of lactase? Nsi-Emvo E, et al. **Cell Mol Biol** 1987;33(3):335–44

Maltase-glucoamylase and trehalase in the rabbit small intestine and kidney brush border membranes during postnatal development, the effects of hydrocortisone. Galand G. **Comp Biochem Physiol [A]** 1986;85(1):109–15

Brush border myosin heavy chain phosphorylation is regulated by calcium and calmodulin. Rieker JP, et al. **FEBS Lett** 1987 Feb 9;212(1):154–8

Membrane translocation and insertion of NH2-terminally anchored gamma-glutamyl transpeptidase require a signal recognition particle. Tate SS, et al. **FEBS Lett** 1987 Jan 26;211(2):133–6

Identification and characterization of brush-border membrane-bound neutral metalloendopeptidases from rat small intestine. Song IS, et al. **Gastroenterology** 1986 Nov; 91(5):1234–42

Temperature induced changes in brush border lactase and alkaline phosphatase activities of developing rat intestine. Mahmood S, et al. **Indian J Exp Biol** 1986 Dec;24(12):760–2

Angiotensin converting enzyme (ACE) in the kidney: contribution to blood pressure regulation and possible role of brush-border ACE. Ikemoto F, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S69–74

Evidence for the transit of aminopeptidase N through the basolateral membrane before it reaches the brush border of enterocytes. Massey D, et al. **J Membr Biol** 1987; 96(1):19–25

Isolation and characterization of calmodulin-dependent myosin heavy chain kinase from intestinal brush border. Rieker JP, et al. **Methods Enzymol** 1987;139:105–14

Cellular adaptation of the rat small intestine after proximal enterectomy: changes in microvillous enzymes and in the secretory component of immunoglobulins. Buts JP, et al. **Pediatr Res** 1987 Jul;22(1):29–33

Brush border intestinal enzymes after multiple daily fractionation. Becciolini A, et al. **Radiat Res** 1987 Mar; 109(3):374–81

[Functional characterization of luminal enterocyte membranes of the small intestine mucosa using isolated brush border membranes] Menge H, et al. **Z Gastroenterol** 1986 Nov;24(11):681–6 (Eng. Abstr.) **(Ger)**

[The purification, quantification, and physiological alterations of maltase and sucrase-isomaltase of rat intestinal brush border] Kishi M. **Nippon Ika Daigaku Zasshi** 1986 Oct; 53(5):443–53 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Expression of a subclass of human blood group A antigenicity in A+ rabbit jejunum: specific glycosylation of the glycocalyx and a 140 K brush border glycoprotein. Gorvel JP, et al. **Biol Cell** 1987;59(2):145–51

METABOLISM

Na+-H+ exchanger of human placental brush-border membrane: identification and characterization. Balkovetz DF, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):C852–60

Alteration of intracellular synthesis of surface membrane glycoproteins in small intestine of iron-deficient rats. Buts

JP, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):G737–43

Inhibition of Na+–Pi cotransporter in small gut brush border by phosphonocarboxylic acids. Loghman–Adham M, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):G244–9

Transport of acidic amino acids by human jejunal brush–border membrane vesicles. Rajendran VM, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):G33–9

Folate binding and hydrolysis by pig intestinal brush–border membranes. Reisenauer AM, et al. **Am J Physiol** 1986 Oct; 251(4 Pt 1):G481–6

Sulfate transport by chick renal tubule brush–border and basolateral membranes. Renfro JL, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):R85–93

Folate transport by human intestinal brush–border membrane vesicles. Said HM, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):G229–36

Presence of multiple sodium–dependent phosphate transport processes in proximal brush–border membrane. Walker JJ, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):F226–31

cAMP–associated inhibition of Na+–H+ exchanger in rabbit kidney brush–border membranes. Weinman EJ, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F19–25

Volume expansion–induced changes in renal tubular membrane protein phosphorylation. Chen TC, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):74–80

Species differences between rat and rabbit renal Na+/H+ exchangers. Friedrich T, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):869–75

Inhibition of sodium–dependent transport systems in rat renal brush–border membranes with N,N'–dicyclohexylcarbodiimide. Friedrich T, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):375–81

Receptors for transferrin and transcobalamin II display segregated distribution on microvilli of leukemia L1210 cells. Kishimoto T, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1102–8

Intestinal brush border calmodulin: key role in the regulation of NaCl transport in Giardia lamblia infected mice. Ganguly NK, et al. **Biochem Int** 1987 Feb;14(2):249–56

Efficient entrapment of large and small compounds during vesiculation of intestinal microvilli. van Dommelen FS, et al. **Biochem J** 1986 Jun 15;236(3):771–8

External anions regulate stilbene–sensitive proton transport in placental brush border vesicles. Cabrini G, et al. **Biochemistry** 1986 Oct 7;25(20):6300–5

Lipid domain structure correlated with membrane protein function in placental microvillus vesicles. Illsley NP, et al. **Biochemistry** 1987 Jan 27;26(2):446–54

Electrophysiology of L–lysine entry across the brush–border membrane of Necturus intestine. Acevedo M, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):295–304

Membrane potential dependency of glutamic acid transport in rabbit jejunal brush–border membrane vesicles: K+ and H+ effects. Berteloot A. **Biochim Biophys Acta** 1986 Oct 23;861(3):447–56

Effect of pH on the kinetics of Na+–dependent phosphate transport in rat renal brush–border membranes. Bindels RJ, et al. **Biochim Biophys Acta** 1987 Feb 12;897(1):83–92

Localization of cyanine dye binding to brush–border membranes by quenching of n–(9–anthroyloxy) fatty acid probes. Cabrini G, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):285–93

Modulation of Na+–H+ exchange by ethinyl estradiol in rat colonic brush–border membrane vesicles. Dudeja PK, et al. **Biochim Biophys Acta** 1987 May 29;899(2):222–8

Hydrogen ion–coupled transport of D–glucose by phlorizin–sensitive sugar carrier in intestinal brush–border membranes. Hoshi T, et al. **Biochim Biophys Acta** 1986 Oct 23;861(3):483–8

Assessment of binding of L–cystine and L–lysine by rat renal brush–border membranes. Hsu BY, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):332–6

Mechanism of coupling between Cl– and OH– transport in renal brush–border membranes. Ives HE, et al. **Biochim Biophys Acta** 1986 Dec 1;863(1):91–100

1,25–Dihydroxycholecalciferol stimulates renal phosphate transport by directly altering membrane phosphatidylcholine composition. Kurnik BR, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):81–5

Evidence for a single common Na+–dependent transport system for alanine, glutamine, leucine and phenylalanine in brush–border membrane vesicles from bovine kidney. Lynch AM, et al. **Biochim Biophys Acta** 1987 May 29; 899(2):176–84

Relation between Ca2+ uptake and fluidity of brush–border membranes isolated from rabbit small intestine and incubated with fatty acids and methyl oleate. Merrill AR, et al. **Biochim Biophys Acta** 1987 Jan 9;896(1):89–95

A change in the lipid fluidity of the porcine intestinal brush–border membranes by lipid peroxidation. Studies using pyrene and fluorescent stearic acid derivatives. Ohyashiki T, et al. **Biochim Biophys Acta** 1986 Oct 9; 861(2):311–8

Diethylpyrocarbonate inhibition of sodium–glucose cotransport in kidney brush–border membrane vesicles. Poirée JC, et al. **Biochim Biophys Acta** 1987 Jun 30; 900(2):291–4

Sulfhydryl groups are essential for organic anion exchange in canine renal brush–border membranes. Sokol PP, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):335–42

Critical carboxyl group(s) in Na+–dependent cotransporters of the intestinal brush–border membrane. Weber J, et al. **Biochim Biophys Acta** 1987 Jun 30;900(2):249–57

Sodium–dependent D–glucose transport in brush–border membrane vesicles from isolated rat small intestinal villus and crypt epithelial cells. Freeman HJ, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1213–9

Phenothiazine binding by a homolog of calpactin, the pp60src tyrosine kinase substrate. Carraway KL 3d, et al. **FASEB J** 1987 Jul;1(1):46–50

Pantothenate–sodium cotransport in renal brush–border membranes. Barbarat B, et al. **J Biol Chem** 1986 Nov 5; 261(31):14455–60

Correction by 1–25–dihydroxycholecalciferol of the abnormal fluidity and lipid composition of enterocyte brush border membranes in vitamin D–deprived rats. Brasitus TA, et al. **J Biol Chem** 1986 Dec 15;261(35):16404–9

Covalent modification of the renal Na+/H+ exchanger by N,N'–dicyclohexylcarbodiimide. Igarashi P, et al. **J Biol Chem** 1987 Jan 15;262(2):860–8

Kinetics of the intestinal brush border proline (Imino) carrier. Stevens BR, et al. **J Biol Chem** 1987 May 15; 262(14):6546–51

Interactions of [14C]phosphonoformic acid with renal cortical brush–border membranes. Relationship to the Na+–phosphate co–transporter. Szczepanska–Konkel M, et al. **J Biol Chem** 1987 Jun 15;262(17):8000–10

Autoradiographic demonstration of in vivo sialylation of endogenous acceptors at the microvillar surface of intestinal columnar cells after intraluminal administration of CMP–[3H]–sialic acid. Bennett G, et al. **J Histochem Cytochem** 1987 Aug;35(8):861–4

Serial permeability barriers to water transport in human placental vesicles. Illsley NP, et al. **J Membr Biol** 1986; 94(3):267–78

Calcium transport affinity, ion competition and cholera toxin effects on cytosolic Ca concentration. Maenz DD, et al. **J Membr Biol** 1987;96(3):243–9

Na–K–2Cl cotransport in winter flounder intestine and bovine kidney outer medulla: [3H] bumetanide binding and effects of furosemide analogues. O'Grady SM, et al. **J Membr Biol** 1987;96(1):11–8

L–alanine uptake in brush border membrane vesicles from the gill of a marine bivalve. Pajor AM, et al. **J Membr Biol** 1987;96(3):209–23

Osmotic water permeabilities of brush border and basolateral membrane vesicles from rat renal cortex and small intestine. van Heeswijk MP, et al. **J Membr Biol** 1986;92(2):183–93

Protein kinase C activates the renal apical membrane Na+/H+ exchanger. Weinman EJ, et al. **J Membr Biol** 1986;93(2):133–9

Purification and characterization of the 110–kDa actin– and calmodulin–binding protein from intestinal brush border: a myosin–like ATPase. Swanljung–Collins H, et al. **Methods Enzymol** 1987;139:137–48

Effect of vanadate on amino acid transport in rat jejunum. Hajjar JJ, et al. **Proc Soc Exp Biol Med** 1987 Apr; 184(4):403–9

[Study on Na+ and L–alanine cotransport of the human placenta using microvillous membrane vesicles] Iioka H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan; 39(1):43–8 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Correlation between adherence of Erysipelothrix rhusiopathiae strains of serovar 1a to tissue culture cells originated from porcine kidney and their pathogenicity in mice and swine. Takahashi T, et al. **Vet Microbiol** 1987 Jan;13(1):57–64

PHYSIOLOGY

Characteristics of glycyl–L–proline transport in intestinal brush–border membrane vesicles. Rajendran VM, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):G281–6

Organization, chemistry, and assembly of the cytoskeletal apparatus of the intestinal brush border. Mooseker MS. **Annu Rev Cell Biol** 1985;1:209–41 (142 ref.)

Age related changes in fluidity of rat renal brushborder membrane vesicles. Medow MS, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):849–56

Parental spleen cells accelerate the development of intestinal brush border structure and function in neonatal mice. Lund EK, et al. **Comp Biochem Physiol [A]** 1986;85(1):175–81

Potential–sensitive response mechanism of diS–C3–(5) in biological membranes. Cabrini G, et al. **J Membr Biol** 1986; 92(2):171–82

Surface charges influence the distances between vestibular stereovilli. Neugebauer DC, et al. **Naturwissenschaften** 1986 Aug;73(8):508–9

RADIATION EFFECTS

A preliminary study of the role of gastrointestinal endocrine cells in the maintenance of villous structure following X–irradiation. Wyatt MG, et al. **Scanning Microse** 1987 Mar;1(1):291–300

ULTRASTRUCTURE

Differential distribution of brush cells in the rat lung. Chang LY, et al. **Anat Rec** 1986 Sep;216(1):49–54

Flow cytometry, a very useful technique for the characterization of intestinal membrane vesicles. Gorvel JP, et al. **Biol Cell** 1986;58(2):157–67

Tropomyosin distinguishes between the two actin–binding sites of villin and affects actin–binding properties of other brush border proteins. Burgess DR, et al. **J Cell Biol** 1987 Jan;104(1):29–40

Parathyroid hormone–induced changes of the brush border topography and cytoskeleton in cultured renal proximal tubular cells. Goligorsky MS, et al. **J Membr Biol** 1986; 92(2):151–62

Light and electron microscope immunocytochemical studies on the role of binucleate cells in villus growth in goat placentomes. Lee CS, et al. **J Submicrosc Cytol** 1986 Oct; 18(4):661–72

Ultrasonic microdissection of immature intermediate human placental villi as studied by scanning electron microscopy. Highison GJ, et al. **Scan Electron Microsc** 1986;(Pt 2):679–85

MICROWAVES

see related
DIATHERMY

Investigation of hydration of macromolecules. III. Study of polyethylene glycol homologues by microwave measurements. Masszi G, et al. **Acta Biochim Biophys Hung** 1986;21(3):263–81

Exposure time for microwave thawing of admixtures [letter] Stolk LM. **Am J Hosp Pharm** 1987 Jul;44(7):1574

Microwave thawing of doxorubicin hydrochloride admixtures not recommend [letter] Williamson M, et al. **Am J Hosp Pharm** 1987 Mar;44(3):505, 510

Temperature of i.v. solutions [letter] Thomas DV. **Anesth Analg** 1987 Mar;66(3):286

Temperature–specific inhibition of human red cell Na+/K+ ATPase by 2,450–MHz microwave radiation. Allis JW, et al. **Bioelectromagnetics** 1987;8(2):203–12

Microwave effects on isolated chick embryo hearts. Caddemi A, et al. **Bioelectromagnetics** 1986;7(4):359–67

Behavioral effects of chronic exposure to 0.5 mW/cm2 of 2,450–MHz microwaves. DeWitt JR, et al. **Bioelectromagnetics** 1987;8(2):149–57

Interaction of ethanol and microwaves on the blood–brain barrier of rats. Neilly JP, et al. **Bioelectromagnetics** 1986; 7(4):405–14

Microwave facilitation of domperidone antagonism of apomorphine–induced stereotypic climbing in mice. Quock RM, et al. **Bioelectromagnetics** 1987;8(1):45–55

Simple method to measure power density entering a plane biological sample at millimeter wavelengths. Shen ZY, et al. **Bioelectromagnetics** 1987;8(1):91–102

Microwave thermography—an index of inflammatory joint disease. Fraser S, et al. **Br J Rheumatol** 1987 Feb;26(1):37–9

Leukocyte numbers in hemorrhaged Japanese quail after microwave irradiation in ovo. Clark MW, et al. **Comp Biochem Physiol [A]** 1987;87(4):923–32

Leukocyte numbers during the humoral and cell–mediated immune response of Japanese quail after microwave irradiation in ovo. Gildersleeve RP, et al. **Comp Biochem Physiol [A]** 1987;87(2):375–80

Response of Japanese quail to hemorrhagic stress after exposure to microwave radiation during embryogeny. Gildersleeve RP, et al. **Comp Biochem Physiol [A]** 1986; 85(4):679–87

The effect of microwave radiation on the primary IgM response to sheep red blood cells in mice. Lojek A, et al. **Folia Biol (Praha)** 1987;33(3):200–6

Effects of microwave irradiation on some membrane–related processes in bacteria. Kazbekov EN, et al. **Gen Physiol Biophys** 1987 Feb;6(1):57–64

Effects on energy absorption of orientation and size of animals exposed to 2.45–GHz microwave radiation. McRee DI, et al. **Health Phys** 1987 Jan;52(1):39–43

Auditory unit responses to single–pulse and twin–pulse microwave stimuli. Seaman RL, et al. **Hear Res** 1987; 26(1):105–16

Effect of millimeter–wave irradiation on growth of Saccharomyces cerevisiae. Furia L, et al. **IEEE Trans Biomed Eng** 1986 Nov;33(11):993–9

Microwave radiation effects on the thermally driven oxidase of erythrocytes. Kiel JL, et al. **Int J Hyperthermia** 1986 Apr–Jun;2(2):201–12

Interstitial microwave antennas for thermal therapy. Lin JC, et al. **Int J Hyperthermia** 1987 Jan–Feb;3(1):37–47

A new method for thermal dosimetry in microwave hyperthermia using microwave radiometry for temperature control. Plancot M, et al. **Int J Hyperthermia** 1987 Jan–Feb; 3(1):9–19

Thermal effects of 2.45 GHz microwaves on survival and viability of Chinese hamster V–79 cells. Dardalhon M, et al. **Int J Radiat Biol** 1987 Aug;52(2):325–35

Evaluation of microwave–thawed canine plasma for transfusion. Hurst TS, et al. **J Am Vet Med Assoc** 1987 Apr 1;190(7):863–5

Effects of pulse–modulated microwave radiation and conventional heating on sperm production. Lebovitz RM, et al. **J Appl Physiol** 1987 Jan;62(1):245–52

Microwave extraction. A novel sample preparation method for chromatography. Ganzler K, et al. **J Chromatogr** 1986 Dec 26;371:299–306

Rapid immunofluorescence staining of human renal biopsy specimens using microwave irradiation. Chiu KY, et al. **J Clin Pathol** 1987 Jun;40(6):689–92

Microwave polymerisation of epoxy resin: rapid processing

technique in ultrastructural pathology. McLay AL, et al. **J Clin Pathol** 1987 Mar;40(3):350–2

Microwave fixation of whole peripheral nerve for rapid and efficient enzyme-linked immunosorbent assay (ELISA) screening of monoclonal antibodies. Tovar CA, et al. **J Immunol Methods** 1986 Nov 20;94(1–2):127–30

Thermometric consideration for RF and microwave research in food engineering. Ofoli RY. **J Microw Power Electromagn Energy** 1986;21(2):57–63 (43 ref.)

Dielectric properties of beef, beef liver, chicken and salmon at frequencies from 100 to 2500 MHz. Tran VN, et al. **J Microw Power Electromagn Energy** 1987;22(1):29–33

A macroscopic model of lungs and a material simulating their properties at radio and microwave frequencies. Kraszewski A, et al. **J Microwave Power** 1986;21(4):233–40

Automated microwave oven survey systems: evaluation criteria and procedures. Witters DM, et al. **J Microwave Power** 1986;21(4):221–32

Effects of pulsed microwave radiation on the contractile rate of isolated frog hearts. Yee KC, et al. **J Microwave Power** 1986;21(3):159–65

Low-level microwave irradiations affect central cholinergic activity in the rat. Lai H, et al. **J Neurochem** 1987 Jan; 48(1):40–5

Effects of postnatal microwave exposure on thyrotropin level in the adult male rat. Saddiki-Traki F, et al. **J Physiol (Paris)** 1986;81(1):3–6

Microwave polymerization of acrylic resins used in dental prostheses. De Clerck JP. **J Prosthet Dent** 1987 May; 57(5):650–8

Perturbation of the temperature distribution in microwave irradiated tissue due to the presence of metallic thermometers. Constable RT, et al. **Med Phys** 1987 May-Jun;14(3):385–8

Observation of microwave-induced eye lens surface motion in vitro. Wyeth NC. **Med Phys** 1987 Jul-Aug;14(4):619–26

Microwave absorption in aqueous solutions of DNA. Gabriel C, et al. **Nature** 1987 Jul 9–15;328(6126):145–6

Inactivation of kallikrein and kininases and stabilization of whole rat brain kinin levels following focused microwave irradiation. Elrod K, et al. **Neurochem Res** 1986 Oct; 11(10):1463–71

A method of rapid fixation of large biopsy specimens using microwave irradiation. Leong AS, et al. **Pathology** 1986 Apr;18(2):222–5

Absorbed power distributions from single or multiple waveguide applicators during microwave hyperthermia. Antolini R, et al. **Phys Med Biol** 1986 Sep;31(9):1005–19

Dielectric properties of Co-gamma-irradiated and microwave-heated rat tumour and skin measured in vivo between 0.2 and 2.4 GHz. Zywietz F, et al. **Phys Med Biol** 1986 Sep;31(9):1021–9

The effect of 2450 MHz microwave radiation on the ultrastructure of snail neurons. Arber SL, et al. **Physiol Chem Phys Med NMR** 1986;18(4):243–9

Metabolic effects of microwave radiation and convection heating on human mononuclear leukocytes. Kiel JL, et al. **Physiol Chem Phys Med NMR** 1986;18(3):181–7

Behavioral observations and operant procedures using microwaves as a heat source for young chicks. Morrison WD, et al. **Poult Sci** 1986 Aug;65(8):1516–21

Differentiation of murine erythroleukemic cells during exposure to microwave radiation. Brown RF, et al. **Radiat Res** 1986 Oct;108(1):12–22

Microwaves and the cell membrane. III. Protein shedding is oxygen and temperature dependent: evidence for cation bridge involvement. Liburdy RP, et al. **Radiat Res** 1987 Mar;109(3):382–95

Radiofrequency (microwave) radiation exposure of mammalian cells during UV-induced DNA repair synthesis. Meltz ML, et al. **Radiat Res** 1987 May; 110(2):255–66

Microwave effects on plasmid DNA. Sagripanti JL, et al. **Radiat Res** 1987 May;110(2):219–31

Heating contrast media in a microwave oven. Halsell RD. **Radiology** 1987 Apr;163(1):279–80

Ultrastructural studies of alterations induced by microwaves in Toxocara canis eggs: prophylactic interest. Bouchet F, et al. **Z Parasitenkd** 1986;72(6):755–64

[Influence of microwaves on the frequency of human peripheral blood lymphocyte sister chromatid exchange in male contraception] Wu LF, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Mar;18(1):22–4 (Eng. Abstr.) (Chi)

[Rapid paraffin embedding in routine diagnosis by microwave stimulation with kitchen equipment] von Seebach HB, et al. **Pathologe** 1987 Jul;8(4):247–9 (Ger)

[Germ reduction by microwaves—microwave specific effects] Gröning R, et al. **Pharmazie** 1987 Mar;42(3):167–8 (Eng. Abstr.) (Ger)

[Instrumentation physics in medicine: thermometry by microwave radiometry] Mizushina S, et al. **Iyodenshi To Seitai Kogaku** 1986 Oct;24(6):443–7 (Jpn)

[Effect of microwaves on the spike activity of cerebellar Purkinje cells in the cat] Krylov OA, et al. **Fiziol Zh SSSR** 1987 Jun;73(6):724–9 (Eng. Abstr.) (Rus)

[Hygienic evaluation of local microwave irradiation of the hands] Nikonova KV, et al. **Gig Tr Prof Zabol** 1987 Apr; (4):25–30 (Eng. Abstr.) (Rus)

[Effect of pulsed microwave irradiation on the electrical activity of mollusk neurons] Bol'shakov MA, et al. **Izv Akad Nauk SSSR [Biol]** 1987 Mar-Apr;(2):312–4 (Eng. Abstr.) (Rus)

[Effect of local SHF-irradiation of the rat foot on impulse activity in the tibial nerve] Arifulin AA, et al. **Radiobiologiia** 1986 Sep-Oct;26(5):715–6 (Eng. Abstr.) (Rus)

[Structural and metabolic analysis of the reaction of the central nervous system to the combined action of microwave and ionizing radiations] Tikhonchuk VS, et al. **Radiobiologiia** 1987 May-Jun;27(3):361–5 (Eng. Abstr.) (Rus)

[Spontaneous electrical activity of the rat cerebral cortex during microwave irradiation] Varetskiĭ VV, et al. **Radiobiologiia** 1987 Jan-Feb;27(1):87–91 (Eng. Abstr.) (Rus)

[Experimental modeling of autoimmune reactions as affected by nonionizing microwave radiation] Vinogradov GI, et al. **Radiobiologiia** 1986 Sep-Oct;26(5):705–8 (Eng. Abstr.) (Rus)

[Immunostimulating effect of microwaves after exposure of the thymus projection zone in the rabbit] Bogoliubov VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Jan-Feb; (1):12–4 (Rus)

[The mechanism of action of pulsatile microwaves on excitable structures] Tigranian RE. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Nov-Dec; (6):11–5 (Eng. Abstr.) (Rus)

[Anisotropy of SHF-energy absorption in cancerous and normal animal tissues] Prikhod'ko AV, et al. **Vopr Onkol** 1986;32(11):84–7 (Eng. Abstr.) (Rus)

[Changes in the ultrastructure of the peripheral nerve after microwave irradiation] Belej K. **Bratisl Lek Listy** 1987 Apr; 87(4):439–47 (Eng. Abstr.) (Slo)

ADVERSE EFFECTS

Reproduction of Japanese quail after microwave irradiation (2.45 GHz CW) during embryogeny. Gildersleeve RP, et al. **Bioelectromagnetics** 1987;8(1):9–21

Acute, whole-body microwave exposure and testicular function of rats. Lebovitz RM, et al. **Bioelectromagnetics** 1987;8(1):37–43

Microwave radiation enhances teratogenic effect of cytosine arabinoside in mice. Marcickiewicz J, et al. **Biol Neonate** 1986;50(2):75–82

The effects of embryonic and fetal exposure to x-ray, microwaves, and ultrasound. Brent RL. **Clin Perinatol** 1986 Sep;13(3):615–48 (98 ref.)

Comments on the editorial about radiofrequency standards by D. H. Sliney, M. L. Wolbarsht and A. M. Muc. Osepchuk JM. **Health Phys** 1987 Sep;53(3):327–30

Reply to comments on editorial about radiofrequency standards [letter] Wolbarsht ML, et al. **Health Phys** 1987 Sep;53(3):334

Cytogenetic effects of microwave irradiation on male germ cells of the mouse. Beechey CV, et al. **Int J Radiat Biol** 1986 Nov;50(5):909–18

The effects of low-level radiofrequency and microwave radiation on brain tissue and animal behaviour. Blackwell RP, et al. **Int J Radiat Biol** 1986 Nov;50(5):761–87 (89 ref.)

Acute microwave injury to the hand. Nicholson CP, et al. **J Hand Surg [Am]** 1987 May;12(3):446–9

Potential ocular damage from microwave exposure during electrosurgery: dosimetric survey. Paz JD, et al. **J Occup Med** 1987 Jul;29(7):580–3

Effects of microwave radiation on living tissues. Surrell JA, et al. **J Trauma** 1987 Aug;27(8):935–9

Eye injury from microwave popcorn [letter] Routhier P, et al. **N Engl J Med** 1986 Nov 20;315(21):1359

Hazards of microwave ovens. Siu V, et al. **Pediatr Emerg Care** 1987 Jun;3(2):99–103

Microwave oven burns to children: an unusual manifestation of child abuse. Alexander RC, et al. **Pediatrics** 1987 Feb; 79(2):255–60

Effects of microwaves on three different strains of rats. Lu ST, et al. **Radiat Res** 1987 May;110(2):173–91

Elimination of microwave effects on the vitality of nerves after blockage of active transport. McRee DI, et al. **Radiat Res** 1986 Dec;108(3):260–8

Association of microwaves and ionizing radiation: potentiation of teratogenic effects in the rat. Roux C, et al. **Radiat Res** 1986 Dec;108(3):317–26

Radiofrequency and microwave radiation in the microelectronics industry. Cohen R. **State Art Rev Occup Med** 1986 Jan-Mar;1(1):145–54 (12 ref.)

[Pharmacological correction of the acute effects of microwave irradiation in an experiment] Koldaev VM. **Biol Nauki** 1987;(1):20–6 (Eng. Abstr.) (Rus)

[Cytophotometry of myelokaryocyte DNA following a single exposure to low-intensity UHF irradiation] Obukhan EI, et al. **Radiobiologiia** 1987 Mar-Apr;27(2):264–6 (Eng. Abstr.) (Rus)

[Hormone metabolic and spontaneous immunological activity of the body during the dynamic course of action of decimeter-range microwaves on the area of the thyroid gland projection] Galenchik AI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Mar-Apr; (2):8–10 (Eng. Abstr.) (Rus)

[The immunomodulating effect of microwaves in exposure of the sternum and thymus gland] Pershin SB, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Jul-Aug;(4):40–3 (Rus)

DIAGNOSTIC USE

Thermoelastic signatures of tissue phantom absorption and thermal expansion. Su JL, et al. **IEEE Trans Biomed Eng** 1987 Feb;34(2):179–82

Doppler microwave. A clinical assessment of its efficacy as an arterial pulse sensing technique. Papp MA, et al. **Invest Radiol** 1987 Jul;22(7):569–73

Microwave fixation in diagnostic renal pathology. Mac-Moune Lai F, et al. **Pathology** 1987 Jan;19(1):17–21

Microwave-stimulated staining of plastic embedded bone marrow sections with the Romanowsky-Giemsa stain: improved staining patterns. Boon ME, et al. **Stain Technol** 1987 Jul;62(4):257–66

[Use of microwaves in image diagnosis] Yamaura I. **Nippon Rinsho** 1986 Jun;44(6):1486–93 (9 ref.) (Jpn)

[Microwave method of determining cerebral blood flow] Gabrielian ES, et al. **Biull Eksp Biol Med** 1987 May; 103(5):625–7 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

A clinical microwave hyperthermia system with multipoint real-time thermal dosimetry. Sathiaseelan V, et al. **Br J Radiol** 1985 Dec;58(696):1187–95

Micro-wave: an alternative to electric heating in the treatment of chronic lymphedema of extremities. Zhang DS, et al. **Chin Med J [Engl]** 1986 Nov;99(11):866–70

Endoscopic microwave treatment. Kuyama Y, et al. **Gastrointest Endosc** 1987 Jun;33(3):229–32

Effects of microwave acupuncture on the immunological function of cancer patients. He CJ, et al. **J Tradit Chin Med** 1987 Mar;7(1):9–11

Percutaneous microwave tissue coagulation in liver biopsy: experimental and clinical studies. Tabuse Y, et al. **Nippon Geka Hokan** 1986 May 1;55(3):381–92

Microwave surgical treatment of the prostate: clinical application of microwave surgery as a tool for improved prostatic electroresection. Harada T, et al. **Urol Int** 1987; 42(2):127–31

[Endoscopic microwave treatment of gastric bleeding from mucosal injury] Wang XL. **Chung Hua I Hsueh Tsa Chih** 1986 May;66(5):269–70, 318 (Eng. Abstr.) (Chi)

[Examination and comparison of new therapeutic methods] Hohki A. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1460–7 (Eng. Abstr.) (Jpn)

[Clinical significance of the combined use of radiation therapy and hyperthermia] Matsuda T, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1508–14 (Eng. Abstr.) (Jpn)

[Pulmonary resection by microwave tissue coagulator (MTC)—clinical application] Inoue S, et al. **Nippon Geka Gakkai Zasshi** 1987 Jun;88(6):743–5 (Eng. Abstr.) (Jpn)

[Basic and clinical observations on an improved microwave coagulation method for hemostasis after liver biopsy and splenic puncture under laparoscopy] Kohsaka N. **Nippon Ika Daigaku Zasshi** 1987 Feb;54(1):9–16 (Eng. Abstr.) (Jpn)

[Percutaneous microwave coagulation method for obtaining natural bile flow in malignant biliary obstruction] Nakamura H. **Nippon Shokakibyo Gakkai Zasshi** 1987 May; 84(5):1141 (Jpn)

[Combined treatment of cavernous hemangiomas in children] Gerasʹkin VI, et al. **Vestn Dermatol Venerol** 1987;(2):66–9 (Eng. Abstr.) (Rus)

[Treatment of patients with chronic prostatitis complicated by infertility by microwave (460 MHz) action on the area of the thyroid and thymus glands] Bogoliubov VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 May-Jun; (3):15–8 (Eng. Abstr.) (Rus)

[Clinical and thermographic evaluation of the effectiveness of UHF therapy on patients with the neurological manifestations of lumbar osteochondrosis] Strelkova NI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Sep-Oct; (5):32–5 (Eng. Abstr.) (Rus)

[Use of microwaves and ultrasound in the complex treatment of pancreatitis in children] Talanova IK, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Jan-Feb; (1):28–31 (Rus)

[Effect of radon baths and their combination with decimeter-wave therapy on the joint syndrome in rheumatoid arthritis] Tsarfis PG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Mar-Apr; (2):25–9 (Eng. Abstr.) (Rus)

MIDAZOLAM

Premedication with midazolam in out-patient general anaesthesia. A comparison with morphine-scopolamine and placebo. Raeder JC, et al. **Acta Anaesthesiol Scand** 1987 Aug;31(6):509–14

A comparison of midazolam and diazepam for induction of anaesthesia in high-risk patients. Reitan JA, et al. **Anaesth Intensive Care** 1987 May;15(2):175–8

Is midazolam desirable for sedation in parturients [letter] Camann W, et al. **Anesthesiology** 1986 Oct;65(4):441

Pentobarbital and thiopental anesthetic interactions with midazolam. Kissin I, et al. **Anesthesiology** 1987 Jul; 67(1):26–31

Midazolam sedation following open heart surgery. Mathews HM, et al. **Br J Anaesth** 1987 May;59(5):557–60

Comparison of midazolam by mouth and diazepam i.v. in outpatient oral surgery. O'Boyle CA, et al. **Br J Anaesth** 1987 Jun;59(6):746–54

Huntington's chorea: midazolam, a suitable induction agent? [letter] Rodrigo MR. **Br J Anaesth** 1987 Mar;59(3):388–9

Sedation for gastroscopy: a comparative study of midazolam and Diazemuls in patients with and without cirrhosis. Hamdy NA, et al. **Br J Clin Pharmacol** 1986 Dec; 22(6):643–7

Aspirin and probenecid pretreatment influences the potency of thiopentone and the onset of action of midazolam. Dundee JW, et al. **Eur J Anaesthesiol** 1986 May;3(3):247–51

A comparative study of midazolam and thiopentone for induction of anesthesia for short operations. Badran I. **Middle East J Anesthesiol** 1987 Jun;9(2):199–205

Development of physical dependence on midazolam by oral self-administration. Falk JL, et al. **Pharmacol Biochem Behav** 1987 Apr;26(4):797–800

Fentanyl and midazolam: an alternative to diazepam [letter] Ayre-Smith G. **Radiology** 1987 Jul;164(1):285

Dissociative anaesthesia for coronary artery bypass surgery using ketamine and midazolam. A case report. Edge KR, et al. **S Afr Med J** 1986 Nov 8;70(10):624–5

Midazolam premedication in paediatric anaesthesia. Payne KA, et al. **S Afr Med J** 1986 Nov 22;70(11):657–9

[Potential use of benzodiazepine monoanesthesia with Dormicum (midazolam)] Iordanov I, et al. **Khirurgiia (Sofiia)** 1986;39(5):1–9 **(Bul)**

[Approval of midazolam as a sedative is undesirable (letter)] Fraenkel HM. **Ned Tijdschr Geneeskd** 1986 Sep 20; 130(38):1709 **(Dut)**

[Ambulatory anesthesia and induced abortion. Comparative study of propofol-alfentanyl and ketamine-midazolam combinations] Bonnardot JP, et al. **Ann Fr Anesth Reanim** 1987;6(4):297–300 (Eng. Abstr.) **(Fre)**

[Midazolam and pethidine/promethazine for intramuscular premedication] Tolksdorf W, et al. **Anaesthesist** 1987 Jun; 36(6):275–9 (Eng. Abstr.) **(Ger)**

[Comparative study of the behavior of intraocular pressure in anesthesia induction by diazepam and midazolam] Hirlinger WK, et al. **Anasth Intensivther Notfallmed** 1986 Dec;21(6):324–6 (Eng. Abstr.) **(Ger)**

[Drug dependence tests on a new anesthesia inducer, midazolam] Kubota A, et al. **Nippon Yakurigaku Zasshi** 1986 Aug;88(2):125–58 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

A study of intravenous sedation with diazepam and midazolam for dentistry in Hong Kong Chinese. Rodrigo MR, et al. **Anaesth Intensive Care** 1986 Nov;14(4):404–11

Premedication for day case surgery. A study of oral midazolam. Raybould D, et al. **Anaesthesia** 1987 Jun; 42(6):591–5

Midazolam in obstetric anesthesia [letter] Seidman SF, et al. **Anesthesiology** 1987 Sep;67(3):443–4

Use of midazolam infusion for sedation following cardiac surgery. Westphal LM, et al. **Anesthesiology** 1987 Aug; 67(2):257–62

Sedation of children requiring artificial ventilation using an infusion of midazolam. Booker PD, et al. **Br J Anaesth** 1986 Oct;58(10):1104–8

Infusion of midazolam in paediatric patients after cardiac surgery. Lloyd-Thomas AR, et al. **Br J Anaesth** 1986 Oct; 58(10):1109–15

Oral midazolam sedation in third molar surgery. Rodrigo MR, et al. **Int J Oral Maxillofac Surg** 1987 Jun;16(3):333–7

Intravenous midazolam in oral surgery. Van der Bijl P, et al. **Int J Oral Maxillofac Surg** 1987 Jun;16(3):325–32

A comparative study of intravenous diazepam and midazolam for oral surgery. Clark RN, et al. **J Oral Maxillofac Surg** 1986 Nov;44(11):860–3

Midazolam, diazepam, and placebo as intravenous sedatives for dental surgery. Clark MS, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jan;63(1):127–31

[Induction doses of etomidate, althesin and midazolam in Chinese] Wong CS, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Dec;24(4):243–50 (Eng. Abstr.) **(Chi)**

[Midazolam and diazepam in ketamine anesthesia] Toft P, et al. **Ugeskr Laeger** 1987 Apr 6;149(15):972–3 (Eng. Abstr.) **(Dan)**

[Anesthetic induction with midazolam-thiopental] Antakly MC, et al. **Cah Anesthesiol** 1987 May-Jun;35(3):191–3 **(Fre)**

[Midazolam-alfentanyl anesthesia for retrograde catheterization of bile and pancreatic ducts] Lepointe F, et al. **Cah Anesthesiol** 1987 May-Jun;35(3):207–9 **(Fre)**

[Midazolam (Dormicum) as oral premedication for local anesthesia] Lanz E, et al. **Anaesthesist** 1987 May; 36(5):197–202 (Eng. Abstr.) **(Ger)**

[Midazolam as premedication for upper gastrointestinal endoscopy] Stermer E, et al. **Harefuah** 1987 Jan 1; 112(1):8–9 (Eng. Abstr.) **(Heb)**

[Clinical results and changes in serum levels of serotonin and 5-hydroxyindoleacetic after the intravenous administration of midazolam] Carrasco MS, et al. **Rev Esp Anestesiol Reanim** 1986 Nov-Dec;33(6):423–7 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Hazards of amnesia after midazolam in ambulatory surgical patients [letter] Philip BK. **Anesth Analg** 1987 Jan; 66(1):97–8

Sudden hypotension associated with midazolam and sufentanil [letter] West JM, et al. **Anesth Analg** 1987 Jul; 66(7):693–4

Attorneys concerned about use of midazolam [letter] Splaver TE. **J Oral Maxillofac Surg** 1987 May;45(5):382

[Therapy of paradoxical reactions to midazolam in regional anesthesia] Knaack-Steinegger R, et al. **Anaesthesist** 1987 Mar;36(3):143–6 (Eng. Abstr.) **(Ger)**

[Life-threatening apnea after midazolam administration in a patient with obstructive sleep apnea syndrome] Bezel R, et al. **Schweiz Med Wochenschr** 1987 Apr 11;117(15):579–83 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Determination of climazolam in the plasma of farm animals by gas chromatography. Heizmann P, et al. **J Chromatogr** 1987 Mar 20;415(1):170–6

The sedative effects of climazolam and climazolam with fentanyl-fluanisone in rats (Rattus norvegicus). West CD, et al. **Lab Anim** 1987 Apr;21(2):143–8

ANTAGONISTS & INHIBITORS

The effect of Ro15-1788 (Anexate) on conscious sedation produced with midazolam. Rodrigo MR, et al. **Anaesth Intensive Care** 1987 May;15(2):185–92

Ro 15-1788 for postoperative recovery. A randomised clinical trial in patients undergoing minor surgical procedures under midazolam anaesthesia. Wolff J, et al. **Anaesthesia** 1986 Oct;41(10):1001–6

Double-blind study of the reversal of midazolam-supplemented general anaesthesia with Ro 15-1788. Alon E, et al. **Br J Anaesth** 1987 Apr;59(4):455–8

Clinical evaluation of a specific benzodiazepine antagonist (RO 15-1788). Studies in elderly patients after regional anaesthesia under benzodiazepine sedation. Ricou B, et al. **Br J Anaesth** 1986 Sep;58(9):1005–11

Reversal of midazolam sedation with anexate. Sage DJ, et al. **Br J Anaesth** 1987 Apr;59(4):459–64

BLOOD

Midazolam as an induction agent in children: a pharmacokinetic and clinical study. Salonen M, et al. **Anesth Analg** 1987 Jul;66(7):625–8

Pharmacokinetics of midazolam used as an intravenous induction agent for patients over 80 years of age. Servin F, et al. **Eur J Anaesthesiol** 1987 Jan;4(1):1–7

Plasma concentrations and pharmacokinetics of midazolam during anaesthesia. Crevat-Pisano P, et al. **J Pharm Pharmacol** 1986 Aug;38(8):578–82

[Hypnotically active blood level of midazolam] Lauven PM, et al. **Anasth Intensivther Notfallmed** 1987 Apr;22(2):90–3 (Eng. Abstr.) **(Ger)**

METABOLISM

Failure of critically ill patients to metabolise midazolam. Shelly MP, et al. **Anaesthesia** 1987 Jun;42(6):619–26

The pharmacokinetics of rectal midazolam for premedication in children. Saint-Maurice C, et al. **Anesthesiology** 1986 Nov;65(5):536–8

Pharmacokinetics of midazolam in total i.v. anaesthesia. Persson P, et al. **Br J Anaesth** 1987 May;59(5):548–56

Pharmacokinetics of midazolam [letter] Dundee JW. **Br J Clin Pharmacol** 1987 May;23(5):591–2

Pharmacokinetics of midazolam in relation to polymorphic sparteine oxidation [letter] Klotz U, et al. **Br J Clin Pharmacol** 1986 Nov;22(5):618–20

Cimetidine and ranitidine increase midazolam bioavailability. Fee JP, et al. **Clin Pharmacol Ther** 1987 Jan;41(1):80–4

Midazolam in the intensive care unit [letter] Dirksen MS, et al. **Drug Intell Clin Pharm** 1986 Oct;20(10):805–6

PHARMACODYNAMICS

A comparison of midazolam and diazepam for sedation during locoregional anesthesia. Herregods L, et al. **Acta Anaesthesiol Belg** 1987;38(1):97–102

Changes in breathing pattern and chest wall mechanics after benzodiazepines in combination with meperidine. Berggren L, et al. **Acta Anaesthesiol Scand** 1987 Jul;31(5):381–6

Effects of repeated doses of benzodiazepines on arterial blood gases and transcutaneous PO2. Eriksson I, et al. **Acta Anaesthesiol Scand** 1987 Jul;31(5):357–61

Plasma cortisol, prolactin and thyroxine levels related to midazolam anaesthesia. Kertész A, et al. **Acta Med Hung** 1986;43(3):283–9

The paralyzing effect of midazolam on Onchocerca volvulus microfilariae in vitro. Laukamm-Josten U. **Am J Trop Med Hyg** 1987 Jul;37(1):152–6

Plasma hormone measurements following midazolam administration [letter] Kertész A. **Anaesthesia** 1987 May; 42(5):562

Cardiovascular response to intubation [letter] Palkar NV. **Anaesthesia** 1986 Nov;41(11):1153–4

Midazolam antagonizes the analgesic effect of morphine in rats. Daghero AM, et al. **Anesth Analg** 1987 Oct; 66(10):944–7

Pharmacologic basis of responses to midazolam in the isolated, cross-perfused, canine right atrium. Saegusa K, et al. **Anesth Analg** 1987 Aug;66(8):711–8

Cerebral vascular and metabolic effects of fentanyl and midazolam in young and aged rats. Baughman VL, et al. **Anesthesiology** 1987 Sep;67(3):314–9

Endocrinological changes following etomidate, midazolam, or methohexital for minor surgery. Crozier TA, et al. **Anesthesiology** 1987 May;66(5):628–35

Hemodynamic effects of diazepam, flunitrazepam, and midazolam in patients with ischemic heart disease: assessment with a radionuclide approach. Lepage JY, et al. **Anesthesiology** 1986 Dec;65(6):678–83

Effects of two benzodiazepines and a benzodiazepine antagonist on neuromuscular blockade in the anaesthetized cat. Driessen JJ, et al. **Arch Int Pharmacodyn Ther** 1987 Mar;286(1):58–70

Associative control of tolerance to the sedative effects of a short-acting benzodiazepine. King DA, et al. **Behav Neurosci** 1987 Feb;101(1):104–14

Ventilation, ventilatory carbon dioxide and hormonal response during halothane anaesthesia and surgery in children after midazolam premedication. Charlton AJ, et al. **Br J Anaesth** 1986 Nov;58(11):1234–41

Intravenous midazolam: a study of the degree of oxygen desaturation occurring during upper gastrointestinal endoscopy. Bell GD, et al. **Br J Clin Pharmacol** 1987 Jun; 23(6):703–8

The effects of intrathecal midazolam on sympathetic nervous system reflexes in man—a pilot study. Goodchild CS, et al. **Br J Clin Pharmacol** 1987 Mar;23(3):279–85

Midazolam: kinetics and effects on memory, sensorium, and haemodynamics. Langlois S, et al. **Br J Clin Pharmacol** 1987 Mar;23(3):273–8

Differential effects of benzodiazepines on cochlear and auditory nerve responses. Velluti R, et al. **Electroencephalogr Clin Neurophysiol** 1986 Dec; 64(6):556–62

A comparison of oral midazolam, nitrazepam and placebo in young and elderly subjects. Castleden CM, et al. **Eur J Clin Pharmacol** 1987;32(3):253–7

A comparison of amnesia in outpatients sedated with midazolam or diazepam alone or in combination with fentanyl during oral surgery. Ochs MW, et al. **J Am Dent Assoc** 1986 Dec;113(6):894–7

Investigation of midazolam's influence on physiological and hormonal responses to hypotension. Glisson SN. **J Cardiovasc Pharmacol** 1987 Jan;9(1):45–50

Analysis of the role of behavioural factors in the development of tolerance to the benzodiazepine midazolam. Griffiths JW, et al. **Neuropharmacology** 1987 Feb-Mar;26(2-3):201–9

Comparative seizure inducing properties of various cholinesterase inhibitors: antagonism by diazepam and midazolam. Domino EF. **Neurotoxicology** 1987 Spring; 8(1):113–22

Analysis of the role of drug-predictive environmental stimuli in tolerance to the hypothermic effects of the benzodiazepine midazolam. Griffiths JW, et al. **Psychopharmacology (Berlin)** 1986;90(4):513–21

The effect of midazolam and beta-carboline carboxylic acid ethyl ester on behaviour, steroid hormones and central monoamine metabolites in social groups of talapoin monkeys. Vellucci SV, et al. **Psychopharmacology (Berlin)** 1986;90(3):367–72

Blood oxygen saturation levels during conscious sedation with midazolam. A report of 16 cases. Roelofse JA, et al. **S Afr Med J** 1986 Dec 20;70(13):801–2

[Assessment of the efficacy and tolerance of a benzodiazepine antagonist (Ro 15-1788)] Rouiller M, et al. **Ann Fr Anesth Reanim** 1987;6(1):1–6 (Eng. Abstr.) **(Fre)**

[Continuous Midazolam infusion for sedation of respirator patients] Behne M, et al. **Anaesthesist** 1987 May; 36(5):228–32 (Eng. Abstr.) **(Ger)**

[Clinical test of midazolam, with special reference to left ventricular function] Marosi G, et al. **Orv Hetil** 1987 Jul 12;128(28):1451–3 (Eng. Abstr.) **(Hun)**

THERAPEUTIC USE

Short-term sleep laboratory evaluation of midazolam in chronic insomniacs. Preliminary results. Monti JM, et al. **Arzneimittelforschung** 1987 Jan;37(1):54–7

Intravenous midazolam for upper gastrointestinal endoscopy: a study of 800 consecutive cases relating dose to age and sex of patient. Bell GD, et al. **Br J Clin Pharmacol** 1987 Feb;23(2):241–3

Propofol infusion for sedation in the intensive care unit [letter] **Br Med J [Clin Res]** 1987 Apr 11;294(6577):970–1

Midazolam in acute psychotic patients with hyperarousal. Mendoza R, et al. **J Clin Psychiatry** 1987 Jul;48(7):291–2

A pharmacodynamic evaluation of midazolam as an antiepileptic compound. Jawad S, et al. **J Neurol Neurosurg Psychiatry** 1986 Sep;49(9):1050–4

Benzodiazepine for ambulatory surgery [letter] Benvenuti D. **Plast Reconstr Surg** 1987 Jun;79(6):1008–9

Comparison of midazolam, diazepam and placebo in the treatment of insomnia. Kok LP, et al. **Singapore Med J** 1986 Jun;27(3):200–3

[Premedication in fiber optic bronchoscopy from the patient's and the physician's viewpoint—a randomized study for the comparison of midazolam and hydrocodone] Mendes de Leon C, et al. **Schweiz Med Wochenschr** 1986 Sep 13; 116(37):1267–72 (Eng. Abstr.) **(Ger)**

MIDBRAIN see MESENCEPHALON

MIDBRAIN CENTRAL GRAY see PERIAQUEDUCTAL GRAY

MIDDLE AGE

PSYCHOLOGY

Gender identity and ego mastery style in middle-aged, pre- and post-empty nest women. Cooper KL, et al. **Gerontologist** 1987 Jun;27(3):347-52

Attitudes of older and middle-aged persons toward mental health intervention. Lasoski MC, et al. **Gerontologist** 1987 Jun;27(3):288-92

Differences in the appraisal of health between aged and middle-aged adults. Levkoff SE, et al. **J Gerontol** 1987 Jan;42(1):114-20

MIDDLE EAR IMPLANT see OSSICULAR REPLACEMENT PROSTHESIS

MIDDLE EAR VENTILATION

Is your grommet really necessary? [editorial] Maw AR. **Arch Dis Child** 1987 Jul;62(7):656-8

A planimetric study of temporal bone pneumatization. Hug JE. **Arch Otorhinolaryngol** 1986;243(5):304-8

Permeation rate to oxygen of membrane tympanostomy tubes. Rodgers VG, et al. **ASAIO Trans** 1986 Jul-Sep; 32(1):143-4

Auditory brainstem evoked potentials in evaluating the efficacy of surgical ventilation of the middle ear. Hafner H, et al. **Int J Pediatr Otorhinolaryngol** 1986 Nov; 12(1):13-22

Penetration of water down the external auditory meatus to the tympanic membrane. Morgan NJ. **J Laryngol Otol** 1987 Jun;101(6):536-7

Office myringotomy and ventilation tube insertion using 10% Xylocaine aerosol. Mina MM, et al. **J Otolaryngol** 1987 Mar;16(2):74-6

Swimming and tympanostomy tubes: a prospective study. Becker GD, et al. **Laryngoscope** 1987 Jun;97(6):740-1

Prevention of recurrent acute otitis media: chemoprophylaxis versus tympanostomy tubes. Gonzalez C, et al. **Laryngoscope** 1986 Dec;96(12):1330-4

Tympanostomy tubes for chronic serous otitis media: a literature review. Goldofsky E. **Mt Sinai J Med (NY)** 1987 May;54(4):355-8

Middle ear cilia activity as a determinant of tympanostomy tube placement. Wacker DF, et al. **Otolaryngol Head Neck Surg** 1986 Nov;95(4):434-7

Twenty questions about middle ear fluid and ventilation tubes. McDonald TJ. **Postgrad Med** 1987 Mar;81(4):239-42, 245-6

Swimming with grommets. Sharma PD. **Scand Audiol [Suppl]** 1986;26:89-91

[Follow-up of trans-tympanum tubes] Debruyne F, et al. **Acta Otorhinolaryngol Belg** 1986;40(4):666-77 (Eng. Abstr.) **(Dut)**

[Curietherapy of the eustachian tube with Ir-192] Peynègre R, et al. **Ann Otolaryngol Chir Cervicofac** 1987; 104(3):187-94 (Eng. Abstr.) **(Fre)**

[Duration and complications following grommet insertion in childhood] Fiebach A, et al. **HNO** 1987 Feb;35(2):61-6 (Eng. Abstr.) **(Ger)**

[Further development of pneumatization of the mastoid apophysis in long-term drainage of the tympanum] Heller U, et al. **HNO** 1987 Feb;35(2):67-9 (Eng. Abstr.) **(Ger)**

[Pro or contra drainage of the tympanum] Schultz-Coulon HJ. **HNO** 1987 Feb;35(2):55-60 (Eng. Abstr.) **(Ger)**

[Surgical treatment of chronic secretory otitis using aeration-drainage tubes] Haralampiev K, et al. **Vojnosanit Pregl** 1987 Mar-Apr;44(2):120-3 (Eng. Abstr.) **(Ser)**

ADVERSE EFFECTS

Structural changes in the tympanic membrane after repeated tympanostomy tube insertion. Söderberg O, et al. **Acta Otolaryngol (Stockh)** 1986 Nov-Dec;102(5-6):382-90

Bacteriological aspects of swimming with grommets. el Silimy O, et al. **Clin Otolaryngol** 1986 Oct;11(5):323-7

[Transmyringeal ventilation tubes: postoperative restrictions and early complications] Konrádsson K, et al. **Lakartidningen** 1986 Oct 15;83(42):3514-7 (Eng. Abstr.) **(Swe)**

INSTRUMENTATION

A clinical evaluation of gold-plated tubes for middle-ear ventilation. Tami TA, et al. **Arch Otolaryngol Head Neck Surg** 1987 Sep;113(9):979-80

A controlled study of a 'new' ventilating tube. The gold standard? Handler SD, et al. **Int J Pediatr Otorhinolaryngol** 1986 Nov;12(1):33-8

[Long-term trans-tympanic aeration using Goode's tube] Dachy JP, et al. **Acta Otorhinolaryngol Belg** 1986; 40(4):658-65 (Eng. Abstr.) **(Fre)**

METHODS

Autoinflation of eustachian tube in young children. Chan KH, et al. **Laryngoscope** 1987 Jun;97(6):668-74

MIDDLE LOBE SYNDROME

Right middle lobe syndrome in children. Livingston GL, et al. **Int J Pediatr Otorhinolaryngol** 1987 Jun;13(1):11-23

ETIOLOGY

[Etiology of the middle lobe and lingula syndrome] Simeček C, et al. **Cas Lek Cesk** 1987 Jan 16;126(3):69-72 (Eng. Abstr.) **(Cze)**

[A case of middle lobe syndrome complicating broncholithiasis] Kharitonov VA, et al. **Ter Arkh** 1987; 59(3):145-6 **(Rus)**

PATHOLOGY

Right middle lobe syndrome progressing to death in a 77-year-old woman [clinical conference] **Am J Med** 1987 Mar;82(3):471-80

[Hamartochondromas of the lung as causes of middle lobe syndrome] Hackl H. **Prax Klin Pneumol** 1987 May; 41(5):177-9 (Eng. Abstr.) **(Ger)**

MIDGES, BITING see CERATOPOGONIDAE

MIDODRIN see under ETHANOLAMINES

MIDTRIMESTER see PREGNANCY TRIMESTER, SECOND

MIDWIFERY

Parturition: places and priorities [editorial] Pearse WH. **Am J Public Health** 1987 Aug;77(8):923-4

Exposure of midwives to nitrous oxide in four hospitals [published erratum appears in Br Med J [Clin Res] 1986 Nov 15;293(6557):1280] Munley AJ, et al. **Br Med J [Clin Res]** 1986 Oct 25;293(6554):1063-4

Canadian obstetric care system among finest in world, major CMA study finds [letter] Dunn RW. **Can Med Assoc J** 1987 May 15;136(10):1019-20

Midwifery and home births [letter] Schulze WB. **Can Med Assoc J** 1986 Nov 15;135(10):1064

The role and responsibilities of the midwife in Scotland. Askham J, et al. **Health Bull (Edinb)** 1987 May;45(3):153-9

Student and qualified midwives' attitudes to aspects of obstetric practice. Todman JB, et al. **J Adv Nurs** 1987 Jan; 12(1):49-55

The use of herbs in midwifery. Bunce KL. **J Nurse Midwifery** 1987 Jul-Aug;32(4):255-9

Conceptual models in nurse-midwifery. Carveth JA. **J Nurse Midwifery** 1987 Jan-Feb;32(1):20-5

Daily fetal movement counting. A valuable assessment tool. Davis L. **J Nurse Midwifery** 1987 Jan-Feb;32(1):11-9 (67 ref.)

The use of herbs in nurse-midwifery practice. Ehudin-Pagano E, et al. **J Nurse Midwifery** 1987 Jul-Aug; 32(4):260-2

Difficulties in breast feeding: midwives in disarray? Report of meeting . Inch S. **J R Soc Med** 1987 Jan;80(1):53-8

English midwives and the Association of Radical Midwives. Weitz R. **Women Health** 1987;12(1):79-89

[The pH of umbilical artery blood in neonates in deliveries managed by midwives] Knuist M, et al. **Ned Tijdschr Geneeskd** 1987 Feb 28;131(9):362-5 (Eng. Abstr.) **(Dut)**

EDUCATION

Welcome proposals for a revolution in the education and training of British nurses, midwives and health visitors [editorial] Smith JP. **J Adv Nurs** 1986 Nov;11(6):621-2

The trained traditional birth attendant: a study of her role in two cultures. Lartson LI, et al. **J Trop Pediatr** 1987 Feb;33(1):29-34

HISTORY

The impact of early medical technology on maternal mortality in late 19th century Sweden. Högberg U, et al. **Int J Gynaecol Obstet** 1986 Aug;24(4):251-61

INSTRUMENTATION

A balance for the measurement of birth weights by traditional birth attendants [letter] Ramachandran CR. **J Trop Pediatr** 1986 Dec;32(6):319-21

[On a decree establishing the list of instruments that may be used by midwives] Sureau C. **Bull Acad Natl Med (Paris)** 1986 Oct;170(7):943-4 **(Fre)**

TRENDS

The future role of midwives [editorial] Howie PW. **Br Med J [Clin Res]** 1987 Jun 13;294(6586):1502

The future role of midwives [letter] Roseveare MP. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):53

Will the role of the midwife disappear from Taiwan, Republic of China? Lin MY. **J Nurse Midwifery** 1987 Jan-Feb; 32(1):48-51

Midwives of the future [editorial] **Lancet** 1987 Mar 21; 1(8534):664-6

MIGRAINE

'Migraine and the TMJ: the final answer? [letter] **Br Dent J** 1986 Dec 6;161(11):393

Prostaglandins and migraine. **Cephalalgia** 1986;6 Suppl 4:1-110

Menstrual migraine: differential diagnosis, evaluation, and treatment. Digre K, et al. **Clin Obstet Gynecol** 1987 Jun; 30(2):417-30 (77 ref.)

Migraine and epilepsy. Bruyn GW. **Funct Neurol** 1986 Oct-Dec;1(4):315-31 (71 ref.)

Migraine: many things to many patients [news] Kirn T. **JAMA** 1987 Jan 2;257(1):12-3

Childhood migraine. Differential diagnosis and treatment. MacDonald JT. **Postgrad Med** 1986 Oct;80(5):301-4, 306

[Horton's syndrome] Kačmárová A. **Cesk Oftalmol** 1987 Jan; 43(1):38-41 (Eng. Abstr.) **(Slo)**

BLOOD

The difference between non-selective and beta 1-selective beta-blockers in their effect on platelet function in migraine patients. Hedman C, et al. **Acta Neurol Scand** 1986 Dec; 74(6):475-8

Mitral valve prolapse and platelet aggregation in patients with hemiplegic and non-hemiplegic migraine. Pfaffenrath V, et al. **Acta Neurol Scand** 1987 Apr;75(4):253-7

Whole blood and plasma histamine in common migraine. Haimart M, et al. **Cephalalgia** 1987 Mar;7(1):39-42

The uptake, storage, and efflux of serotonin in platelets from migraine patients. Lingjaerde O, et al. **Cephalalgia** 1986 Sep;6(3):135-9

Pattern of plasma opioids in menstrually-related migraine and epilepsy. Facchinetti F, et al. **Funct Neurol** 1986 Oct-Dec;1(4):415-9

Platelets (again) [editorial] Edmeads J. **Headache** 1987 May; 27(5):244-5

Identification of blood leukotrienes in classical migraine. Gazzaniga PP, et al. **Headache** 1987 Apr;27(4):211-5

Increased prolactin response to thyrotropin releasing hormone during migraine attacks. Papakostas Y, et al. **J Neurol Neurosurg Psychiatry** 1987 Jul;50(7):927-8

Sensitivity to PAF is increased in migraine patients [letter] Joseph R, et al. **Thromb Haemost** 1987 Feb 3;57(1):125

[Histamine-release and migraine] Launay JM, et al. **Rev Med Interne** 1987 May-Jun;8(3):273-5 (Eng. Abstr.) **(Fre)**

[Study of blood platelet activation in migraine in childhood] Battistella PA, et al. **Minerva Med** 1987 Jul 31; 78(14):1051-2 **(Ita)**

[Prolactin, a marker of essential headache?] Nattero G, et al. **Minerva Med** 1987 Jul 31;78(14):989-92 **(Ita)**

[Blood gastrin levels in the blood in patients with migraine headaches] Durić S, et al. **Vojnosanit Pregl** 1986 Jul-Aug; 43(4):294-5 **(Scr)**

CEREBROSPINAL FLUID

[Migraine: diagnosis, pathophysiology and therapy (letter)] Verslegers W, et al. **Ned Tijdschr Geneeskd** 1987 May 30; 131(22):967-8 **(Dut)**

[Migraine manifestations and lymphocyte pleocytosis of the cerebrospinal fluid] Liblau R, et al. **Ann Med Interne (Paris)** 1987;138(4):291-5 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Site of action of contrast media on cerebral vessels. Edvinsson L, et al. **Cephalalgia** 1987 Jun;7(2):83-5

Vertebral artery angiography and migraine-like symptoms: Hauge's studies reconsidered. Hauge T. **Cephalalgia** 1986 Dec;6(4):197-203

COMPLICATIONS

Clinical course and symptomatology of angina pectoris in a population study. Rosengren A, et al. **Acta Med Scand** 1986;220(2):117-26

Unilateral internuclear ophthalmoplegia, migraine, and supratentorial arteriovenous malformation. Coppeto JR, et al. **Am J Ophthalmol** 1987 Aug 15;104(2):191-2

Ophthalmoplegic migraine wrongly attributed to measles immunization. Hassin H. **Am J Ophthalmol** 1987 Aug 15; 104(2):192-3

Migraine-related strokes. Clinical profile and prognosis in 20 patients. Broderick JP, et al. **Arch Neurol** 1987 Aug; 44(8):868-71

Ischemia may be the primary cause of the neurologic deficits in classic migraine. Skyhøj Olsen T, et al. **Arch Neurol** 1987 Feb;44(2):156-61

Unusual visual phenomenon during acephalgic migraine [letter] Kosmorsky G. **Arch Ophthalmol** 1987 May; 105(5):613

Migraine and sudden sensorineural hearing loss. Lipkin AF, et al. **Arch Otolaryngol Head Neck Surg** 1987 Mar; 113(3):325-6

'Migraine and the TMJ: the final answer?' [letter] Lloyd JM. **Br Dent J** 1986 Nov 8;161(9):319

Migraine and the temporomandibular joint: the final answer? Watts PG, et al. **Br Dent J** 1986 Sep 6;161(5):170-3

Catastrophic migraine [letter] Benoit P, et al. **Can J Neurol Sci** 1986 Nov;13(4):347

Benign paroxysmal vertigo and migraine [letter] Curatolo P, et al. **Dev Med Child Neurol** 1987 Jun;29(3):405-6

Migraine and epilepsia: neural basis and calcium modulation. Proceedings of the International Congress. Rome, May

29–31, 1986. **Funct Neurol** 1986 Oct–Dec;1(4):315–561
Malignant migraine: the syndrome of prolonged classical migraine, epilepsia partialis continua, and repeated strokes; a clinically characteristic disorder probably due to mitochondrial encephalopathy. Andermann F, et al. **Funct Neurol** 1986 Oct–Dec;1(4):481–6
Impairment of memory and consciousness in migraine: clinical and EEG study. Sacquegna T, et al. **Funct Neurol** 1986 Oct–Dec;1(4):431–7
Transitory isolated, global blindness and headache the possible relationship to migraine. Sjaastad O. **Funct Neurol** 1986 Oct–Dec;1(4):467–71
Impairment of consciousness and memory in migraine: a review. Sacquegna T, et al. **Headache** 1987 Jan;27(1):30–3 (47 ref.)
Migraine headache and atrial fibrillation. Shuaib A, et al. **Headache** 1987 May;27(5):252–3
On migraine, the pill, and stroke [letter] Slyter H. **Headache** 1986 Oct;26(9):488
The time relationships of migraine and cluster headache when occurring in the same patient. Solomon S, et al. **Headache** 1986 Nov;26(10):500–2
Migraine–induced epistaxis. Sperber AD, et al. **Headache** 1986 Nov;26(10):517–8
Benign recurrent transient monocular blindness: a possible variant of acephalgic migraine. Tomsak RL, et al. **Headache** 1987 Feb;27(2):66–9
The association between migraine and cerebral vascular events: an analytical review. Henrich JB. **J Chronic Dis** 1987;40(4):329–35 (26 ref.)
Stroke and migraine in the Oxfordshire Community Stroke Project. Henrich JB, et al. **J Neurol** 1986 Oct;233(5):257–62
Can migraine cause multiple segmental cerebral artery constrictions? Schon F, et al. **J Neurol Neurosurg Psychiatry** 1987 Apr;50(4):492–4
Relationship of migraine headache and stroke to oral contraceptive use. Benson MD, et al. **J Reprod Med** 1986 Dec;31(12):1082–8 (47 ref.)
Migraine related to ocular stroke [letter] Weintraub MI, et al. **Neurology** 1986 Oct;36(10):1410
Dyslipoproteinemia and migraine [letter] Leviton A. **Pediatrics** 1986 Nov;78(5):956–7
Late–life migraine accompaniments--further experience. Fisher CM. **Stroke** 1986 Sep–Oct;17(5):1033–42 (7 ref.)
Stroke, migraine and intracranial aneurysm: a case report. Mas JL, et al. **Stroke** 1986 Sep–Oct;17(5):1019–21
[Abnormal movements in migraine: a new case (letter)] Roux C, et al. **Ann Med Interne (Paris)** 1987;138(3):224–5 **(Fre)**
[Somnambulism and migraine in children. A non–fortuitous association] Giroud M, et al. **Arch Fr Pediatr** 1987 Apr; 44(4):263–5 (Eng. Abstr.) **(Fre)**
[A severe ophthalmologic complication of migraine] Bourdiol AM, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1199–200 **(Fre)**
[Definitive monocular deficit after ophthalmic migraine] Pelosse B, et al. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):19–21 (Eng. Abstr.) **(Fre)**
[Somnambulism and migraine: a nonfortuitous association (letter)] Giroud M, et al. **Presse Med** 1987 Jan 10–17; 16(1):35 **(Fre)**
[Migraine and the idiopathic Raynaud phenomenon] Geraud G, et al. **Rev Neurol (Paris)** 1986;142(6–7):638–40 (Eng. Abstr.) **(Fre)**
[Correlation between migraine, infarct lesion and epilepsy. Considerations on a clinical case] Balestra F, et al. **Minerva Med** 1987 Jul 31;78(14):1031–5 **(Ita)**
[Clinical otoneurologic study in migraine patients with symptoms caused by the involvement of the vestibular structures] Giordano R, et al. **Minerva Med** 1987 Jul 31; 78(14):1073–8 **(Ita)**
[Hemicrania and cerebral ischemia in young adults] Guidotti M, et al. **Riv Neurol** 1986 Mar–Apr;56(2):106–12 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Focal migraine and pregnancy. Wright GD, et al. **Br Med J [Clin Res]** 1986 Dec 13;293(6561):1557–8
Computerized telethermographic assessment in migraine, with particular reference to the prodromal phase. Giacovazzo M, et al. **Cephalalgia** 1986 Dec;6(4):219–22
Cervicogenic headache, C2 rhizopathy, and occipital neuralgia: a connection? Sjaastad O, et al. **Cephalalgia** 1986 Dec;6(4):189–95
Migraine and its equivalents in childhood. Hockaday JM. **Dev Med Child Neurol** 1987 Apr;29(2):265–70
Classic and common migraine suggestive clinical evidence of two separate entities. Manzoni GC, et al. **Funct Neurol** 1986 Apr–Jun;1(2):112–22
Basilar migraine manifesting as transient global amnesia in a 9–year–old child. Amit R, et al. **Headache** 1986 Jan; 26(1):17–8
Piribedil test in migraine: neuroendocrinological aspects. Bussone G, et al. **Headache** 1986 Oct;26(9):482–5
Spatial distribution of head pain as a factor in migraine experience. Campbell JF, et al. **Headache** 1987 Mar; 27(3):134–7
Can we reliably differentiate Tolosa–Hunt syndrome from ophthalmoplegic migraine? [letter] Kandt S. **Headache** 1986 Sep;26(8):436–7
Benign paroxysmal vertigo in childhood: a longitudinal study. Lanzi G, et al. **Headache** 1986 Nov;26(10):494–7
Migrainous olfactory hallucinations. Schreiber AO, et al. **Headache** 1986 Nov;26(10):513–4
Pupil diameter in migraine and tension headache. Drummond PD. **J Neurol Neurosurg Psychiatry** 1987 Feb;50(2):228–30
Basilar artery migraine. A commonly misdiagnosed disorder. Diamond S. **Postgrad Med** 1987 May 15;81(7):45–6
Migraine headache. Working for the best outcome. Diamond S, et al. **Postgrad Med** 1987 Jun;81(8):174–6, 179–83
[Chronic paroxysmal migraine. A review and presentation of 4 new cases] Rasmussen BK. **Ugeskr Laeger** 1986 Dec 29;149(1):10–2 (Eng. Abstr.) **(Dan)**
[The piribedil test in the diagnosis of migraine (letter)] Dano P. **Presse Med** 1987 Apr 11;16(13):634 **(Fre)**
[EEG in migraine] Logar C, et al. **EEG EMG** 1986 Sep; 17(3):153–6 (Eng. Abstr.) **(Ger)**
[Visual disorders as key symptoms of ocular migraine] Pittke EC. **Klin Monatsbl Augenheilkd** 1986 Oct;189(4):317–22 (Eng. Abstr.) **(Ger)**
[A case from practice (69). Female patient: E.–M., U., born 1955, restaurant kitchen helper (basilar migraine)] Marbet B. **Schweiz Rundsch Med Prax** 1986 Dec 16;75(51):1572–3 **(Ger)**
[Cervical migraine as an expert testimony problem in occupational medicine] Polakowska B. **Med Pr** 1986; 37(4):276–9 (Eng. Abstr.) **(Pol)**
[Various aspects of the pathogenesis, clinical picture and treatment of migraine] Vein AM, et al. **Zh Nevropatol Psikhiatr** 1987;87(6):914–7 (Eng. Abstr.) **(Rus)**
[Migraine--diagnostic problems] Mihaljev–Martinov J, et al. **Med Pregl** 1986;39(7–8):351–4 (Eng. Abstr.) **(Scr)**

DIET THERAPY

Controlled study of exclusion of dietary vasoactive amines in migraine. Salfield SA, et al. **Arch Dis Child** 1987 May; 62(5):458–60
Effect of a carbohydrate–rich diet, low in protein–tryptophan, in classic and common migraine. Hasselmark L, et al. **Cephalalgia** 1987 Jun;7(2):87–92
Serendipity and food sensitivity: a case study. Gettis A. **Headache** 1987 Feb;27(2):73–5

DRUG THERAPY

Treatment of migraine with intramuscular chlorpromazine. McEwen JI, et al. **Ann Emerg Med** 1987 Jul;16(7):758–63
Effects of beta blockade on contingent negative variation in migraine [letter] Maertens de Noordhout A, et al. **Ann Neurol** 1987 Jan;21(1):111–2
Migraine and beta–blockade: modulation of sympathetic neurotransmission. Ablad B, et al. **Cephalalgia** 1986;6 Suppl 5:7–13
Naproxen (Naprosyn). Pharmacokinetics: therapeutical relevance and tolerance profile. Dahl H. **Cephalalgia** 1986; 6 Suppl 4:69–75
Efficacy of nimodipine in comparison with pizotifen in the prophylaxis of migraine. Havanka–Kanniainen H, et al. **Cephalalgia** 1987 Mar;7(1):7–13
Naproxen and naproxen sodium in acute migraine attacks. Nestvold K. **Cephalalgia** 1986;6 Suppl 4:81–4
Beta–adrenergic effects on cerebral circulation. Olesen J. **Cephalalgia** 1986;6 Suppl 5:41–6
Combination headache: practical experience with a combination of a beta–blocker and an antidepressive. Pfaffenrath V, et al. **Cephalalgia** 1986;6 Suppl 5:25–32
Beta blockers and the central nervous system. Schoenen J. **Cephalalgia** 1986;6 Suppl 5:47–54
Clinical aspects of beta–blockade. Smith U. **Cephalalgia** 1986; 6 Suppl 5:55–7
Tolerability of naproxen sodium [letter] Tfelt–Hansen P. **Cephalalgia** 1986 Sep;6(3):187
Efficacy of beta–blockers in migraine. A critical review. Tfelt–Hansen P. **Cephalalgia** 1986;6 Suppl 5:15–24
Dihydroergotamine nasal spray during migraine attacks. A double–blind crossover study with placebo. Tulunay FC, et al. **Cephalalgia** 1987 Jun;7(2):131–3
Naproxen sodium in the treatment of migraine. Welch KM. **Cephalalgia** 1986;6 Suppl 4:85–92
Beta–adrenoceptor blockade, platelets, and rheologic factors. Winther K, et al. **Cephalalgia** 1986;6 Suppl 5:33–9
Effect of flunarizine on pituitary secretion by healthy men and in woman with migraine. Maestri E, et al. **Eur J Clin Pharmacol** 1987;32(5):525–7
Effect of flunarizine on regional cerebral blood flow in common and complicated migraine. Pilot study. Lagrèze HL, et al. **Eur Neurol** 1986;25 Suppl 1:122–6
A role for anticonvulsants in migraine. Raffaelli Júnior E, et al. **Funct Neurol** 1986 Oct–Dec;1(4):495–8
Methodology of drug trials in migraine. Tfelt–Hansen P, et al. **Funct Neurol** 1986 Oct–Dec;1(4):499–502
Is there a common pharmacological link between migraine and epilepsy? Wauquier A. **Funct Neurol** 1986 Oct–Dec; 1(4):515–20 (19 ref.)
More on sublingual flunarizine [letter] Amery WK, et al. **Headache** 1987 Mar;27(3):171
Nimodipine versus flunarizine in common migraine: a controlled pilot trial. Bussone G, et al. **Headache** 1987 Feb; 27(2):76–9
Long–acting propranolol in the prophylaxis of migraine. Diamond S, et al. **Headache** 1987 Feb;27(2):70–2
Fenoprofen in the prophylaxis of migraine: a double–blind, placebo controlled study. Diamond S, et al. **Headache** 1987 May;27(5):246–9
Timolol maleate, a beta blocker, in the treatment of common migraine headache. Gallagher RM, et al. **Headache** 1987 Feb;27(2):84–6
The effect of intravenous verapamil on acute migraine headache. Molaie M, et al. **Headache** 1987 Jan;27(1):51–3
Prolactin and migraine: effect of L–dopa on plasma prolactin levels in migraineurs and normals. Nattero G, et al. **Headache** 1986 Jan;26(1):9–12
Nadolol and propranolol in migraine management. Olerud B, et al. **Headache** 1986 Nov;26(10):490–3
Sublingual flunarizine [letter] Peatfield RC. **Headache** 1986 Nov;26(10):519, 522
A treatment for the acute migraine attack. Adam EI. **J Int Med Res** 1987 Mar–Apr;15(2):71–5
Intramuscular treatment of migraine attacks using diclofenac sodium: a crossover clinical trial. Del Bene E, et al. **J Int Med Res** 1987 Jan–Feb;15(1):44–8
Prevention of migrainous headaches by tamoxifen [letter] Powles TJ. **Lancet** 1986 Dec 6;2(8519):1344
Drugs for migraine. **Med Lett Drugs Ther** 1987 Mar 13; 29(735):27–8
Transparently blinded trials of methysergide [letter] Gaudet RJ, et al. **N Engl J Med** 1987 Jan 29;316(5):279–80
[Treatment of migraine attacks in children with dihydroergotamine Spofa and lysenyl] Vajnorský J. **Cesk Pediatr** 1986 Nov;41(11):644–7 (Eng. Abstr.) **(Cze)**
[Drugs in migraine (published erratum appears in Ned Tijdschr Geneeskd 1987 Apr 25;131(17):744)] Ansink BJ. **Ned Tijdschr Geneeskd** 1987 Feb 21;131(8):308–12 **(Dut)**
[Drugs in migraine (letter)] Huisjes HJ. **Ned Tijdschr Geneeskd** 1987 Apr 11;131(15):639 **(Dut)**
[Drug treatment of pain. 4: Headache and migraine, drug interactions, contra–indications, use of analgesics in pregnancy and lactation] Kromer W. **Fortschr Med** 1986 Nov 6;104(41):771–4 (Eng. Abstr.) **(Ger)**
[Electro–ophthalmologic and clinical studies in chronic ergotamine abuse] Heider W, et al. **Fortschr Ophthalmol** 1986;83(5):539–41 (Eng. Abstr.) **(Ger)**
[Migraine. Pharmacologic commentary on drugs for the treatment of migraine] Ziegler A. **Med Monatsschr Pharm** 1987 May;10(5):139–52 **(Ger)**
[Flunarizine in the therapy of headache] Nattero G, et al. **Minerva Med** 1987 Jul 31;78(14):1099–101 **(Ita)**
[Possibilities and limitations of the therapy of headache] Nattero G, et al. **Minerva Med** 1987 Jul 31;78(14):1083–7 **(Ita)**
[Pathogenesis and treatment of migraine (neuroendocrinologic aspect)] Akimov GA, et al. **Zh Nevropatol Psikhiatr** 1986;86(8):1143–6 (Eng. Abstr.) **(Rus)**

ETIOLOGY

The role of food allergy in migraine: a review. Mansfield LE. **Ann Allergy** 1987 May;58(5):313–7 (27 ref.)
Food allergy and adult migraine [letter] Wall HC. **Ann Allergy** 1987 Feb;58(2):149–50
Migrainous neurologic dysfunction in Hodgkin's disease [letter] Dulli DA, et al. **Arch Neurol** 1987 Jul;44(7):689
The ischemic hypotheses of migraine. Olesen J. **Arch Neurol** 1987 Mar;44(3):321–2
A possible relationship between migraine and coronary artery spasm. Wayne VS. **Aust NZ J Med** 1986 Oct;16(5):708–10
Bilateral cerebral occipital calcifications and migraine–like headache. Battistella PA, et al. **Cephalalgia** 1987 Jun; 7(2):125–9
"Cervicogenic headache": clinical manifestation.Fredriksen TA, et al. **Cephalalgia** 1987 Jun;7(2):147–60
Possible role of gonadal hormones as triggering factors in migraine. Horowski R, et al. **Funct Neurol** 1986 Oct–Dec; 1(4):405–14
Trigger factors and natural history of migraine. Rose FC. **Funct Neurol** 1986 Oct–Dec;1(4):379–84 (14 ref.)
What can precipitating factors teach us about the pathogenesis of migraine? Amery WK, et al. **Headache** 1987 Mar;27(3):146–50
The platelet and migraine. Hanington E. **Headache** 1986 Sep; 26(8):411–5
Basilar artery migraine after uncomplicated whiplash injuries. Jacome DE. **Headache** 1986 Nov;26(10):515–6
ATP hyposecretion from platelet dense bodies--evidence for the purinergic hypothesis and a marker of migraine. Joseph R, et al. **Headache** 1986 Sep;26(8):403–10
Geomagnetic activity and the severity of the migraine attack. Kuritzky A, et al. **Headache** 1987 Feb;27(2):87–9
Transformed or evolutive migraine. Mathew NT, et al. **Headache** 1987 Feb;27(2):102–6
Cephalic hyperemia during migraine headaches. A prospective study. Meyer JS, et al. **Headache** 1986 Sep; 26(8):388–97
Exercise–induced migraine prodrome symptoms. Thompson JK. **Headache** 1987 May;27(5):250–1
Trigger factors in migraine: a study conducted by the Belgian Migraine Society. Van den Bergh V, et al. **Headache** 1987 Apr;27(4):191–6
Common migraine: a review and proposal for a non–vascular aetiology. Ruff GA, et al. **J Oral Rehabil** 1986 Nov; 13(6):499–508 (48 ref.)
Alveolar cavitational osteopathosis [letter] **J Periodontol** 1987 Apr;58(4):276
Discussion, ideas abound in migraine research; consensus remains elusive [news] Kirn T. **JAMA** 1987 Jan 2;

257(1):9–12
Left atrial myxoma presenting with migraine-like episodes. Bowen J, et al. **Psychosomatics** 1986 Nov;27(11):802, 805
[Migraine and prolapse of the mitral valve] Guidotti M, et al. **Minerva Med** 1987 Jul 31;78(14):1109–12 **(Ita)**
[Benign paroxysmal vertigo of childhood and migraine. Prognostic study] Lanzi G, et al. **Minerva Med** 1987 Jul 31;78(14):1047–50 **(Ita)**

FAMILIAL & GENETIC

Familial hemiplegic migraine: a new case. Bergouignan FX, et al. **Headache** 1986 Nov;26(10):498–9
Unmasking latent dysnociception in healthy subjects. Sicuteri F, et al. **Headache** 1987 Apr;27(4):180–5
Migraine and intercalated seizures with occipital EEG paroxysms: observations on a family. Terzano MG, et al. **Headache** 1986 Nov;26(10):509–12
Transient global amnesia and migraine in twin sisters [letter] Dupuis MJ, et al. **J Neurol Neurosurg Psychiatry** 1987 Jun; 50(6):816–7

HISTORY

The fortification spectra of migraine [published erratum appears in Br Med J [Clin Res] 1987 Jan 10;294(6564):90] Plant GT. **Br Med J [Clin Res]** 1986 Dec 20–27; 293(6562):1613–7
Historical aspects of migraine. Pearce JM. **J Neurol Neurosurg Psychiatry** 1986 Oct;49(10):1097–103

IMMUNOLOGY

Migraine and the lupus anticoagulant. Case reports and review of the literature. Levine SR, et al. **Cephalalgia** 1987 Jun;7(2):93–9
Immunological studies in cluster headache and migraine. Visintini D, et al. **Headache** 1986 Sep;26(8):398–402

METABOLISM

Effect of reserpine on regional cerebral glucose metabolism in control and migraine subjects. Sachs H, et al. **Arch Neurol** 1986 Nov;43(11):1117–23

OCCURRENCE

Loss of migraine: when, why and how. Blau JN. **J R Coll Physicians Lond** 1987 Apr;21(2):140–2
[Prevalence of migraine in the southern area of Madrid. Preliminary study] García-Albea E, et al. **Arch Neurobiol (Madr)** 1986 Nov–Dec;49(6):357–62 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Subcutaneous blood flow in the temporal region of migraine patients. Jensen K. **Acta Neurol Scand** 1987 May; 75(5):310–8
Substance P and enkephalins: a creditable tandem in the pathophysiology of cluster headache and migraine. Sicuteri F, et al. **Adv Exp Med Biol** 1986;198 Pt B:145–52
Migraine and other diseases in women of reproductive age. The influence of smoking on observed associations. Chen TC, et al. **Arch Neurol** 1987 Oct;44(10):1024–8
Migraine. A biobehavioral disorder. Welch KM. **Arch Neurol** 1987 Mar;44(3):323–7
Responsiveness of the visual system in childhood migraine studied by means of VEPs. Brinciotti M, et al. **Cephalalgia** 1986 Sep;6(3):183–5
Experimental studies on the sensory innervation of the cerebral blood vessels. Moskowitz MA, et al. **Cephalalgia** 1986;6 Suppl 4:63–6
Multiple transmitter amines and peptides in cerebrovascular nerves: possible links in migraine pathophysiology. Owman C, et al. **Cephalalgia** 1986;6 Suppl 4:49–62
Clinical aspects of prostaglandins and leukotrienes in migraine. Parantainen J, et al. **Cephalalgia** 1986;6 Suppl 4:95–101
Do migrainous headaches become more consistently lateralized? Peatfield RC, et al. **Cephalalgia** 1987 Mar; 7(1):73–5
Acute confusional migraine: clinical and electroencephalographic aspects. Pietrini V, et al. **Cephalalgia** 1987 Mar;7(1):29–37
Abdominal migraine: a childhood syndrome defined. Symon DN, et al. **Cephalalgia** 1986 Dec;6(4):223–8
Migraine: a biobehavioral disorder. Welch KM. **Cephalalgia** 1986;6 Suppl 4:103–10
Migraine and epilepsy: a retrospective view. Amery WK. **Funct Neurol** 1986 Oct–Dec;1(4):559–61
Visual hallucinations and migraine. Arnaud JL, et al. **Funct Neurol** 1986 Oct–Dec;1(4):473–9
Cardiovascular and biochemical assessment in migraine patients submitted to tilt test. Cortelli P, et al. **Funct Neurol** 1986 Jul–Sep;1(3):285–90
Non-vascular action of calcium blockers in migraine: pupillopharmacological study. Fanciullacci M, et al. **Funct Neurol** 1986 Oct–Dec;1(4):533–7
Spreading depression. Leão AA. **Funct Neurol** 1986 Oct–Dec; 1(4):363–6
Partial seizures and migraine. Mancia D, et al. **Funct Neurol** 1986 Oct–Dec;1(4):439–53
Changes in interhemispheric functional balance in epileptic and migraine patients. Mazzucchi A, et al. **Funct Neurol** 1986 Oct–Dec;1(4):375–8
Regional cerebral blood flow (rCBF) studies in migraine and epilepsy. Olesen J. **Funct Neurol** 1986 Oct–Dec;1(4):369–74
Pain reflexes in the clinical assessment of migraine syndromes. Sandrini G, et al. **Funct Neurol** 1986 Oct–Dec;1(4):423–9
Electroencephalographic alterations in migraine as an expression of "self-deafferentation": a hypothesis.Sicuteri F, et al. **Funct Neurol** 1986 Oct–Dec;1(4):455–60
Transient blood–brain barrier (BBB) damage in migraine [letter] Alvarez-Cermeno J, et al. **Headache** 1986 Sep; 26(8):437
A quantitative assessment of photophobia in migraine and tension headache. Drummond PD. **Headache** 1986 Oct; 26(9):465–9
Scalp tenderness and sensitivity to pain in migraine and tension headache. Drummond PD. **Headache** 1987 Jan; 27(1):45–50
Cardiovascular reflexes in young migraine patients. Havanka-Kanniainen H, et al. **Headache** 1986 Sep; 26(8):420–4
Autonomic dysfunction in adult migraineurs. Havanka-Kanniainen H, et al. **Headache** 1986 Sep; 26(8):425–30
Cardiovascular reflex responses during migraine attack. Havanka-Kanniainen H. **Headache** 1986 Oct;26(9):442–6
Cardiovascular reflexes and plasma noradrenaline levels in migraine patients before and during nimodipine medication. Havanka-Kannianinen H, et al. **Headache** 1987 Jan; 27(1):39–44
EEG features in basilar artery migraine. Jacome DE. **Headache** 1987 Feb;27(2):80–3
The non-epileptiform basilar artery migraine. Jacome DE, et al. **Headache** 1986 Oct;26(9):447–50
Prolactin and migraine [letter] Murialdo G, et al. **Headache** 1987 May;27(5):278–9
Can transient ischaemic attacks and classical migraine always be distinguished? Peatfield RC. **Headache** 1987 May; 27(5):240–3
Auditory brainstem evoked potentials in patients with migraine. Podoshin L, et al. **Headache** 1987 Jan;27(1):27–9
Pattern-shift visual evoked responses and EEG in migraine. Polich J, et al. **Headache** 1986 Oct;26(9):451–6
Comparative study of migraines in relation to their duration of evolution. Serratrice G, et al. **Headache** 1987 May; 27(5):266–71
Late-life migraine accompaniments: a case presentation and literature review. Manusov EG. **J Fam Pract** 1987 Jun; 24(6):591–4
Laterality of pain in migraine distinguished by interictal rates of habituation of electrodermal responses to visual and auditory stimuli. Gruzelier JH, et al. **J Neurol Neurosurg Psychiatry** 1987 Apr;50(4):416–22
Episodic vertigo in basilar artery migraine. Harker LA, et al. **Otolaryngol Head Neck Surg** 1987 Mar;96(3):239–50
[Chronic paroxysmal hemicrania] Nebudová J. **Cesk Neurol Neurochir** 1987 Mar;50(2):69–72 **(Cze)**
[Migraine: diagnosis, pathophysiology and therapy] Ferrari MD, et al. **Ned Tijdschr Geneeskd** 1987 Feb 21; 131(8):315–20 **(Dut)**
[Platelet release of dopamine in the common migraine attack] Pradalier A, et al. **Presse Med** 1987 Jul 11–18;16(27):1321–3 (Eng. Abstr.) **(Fre)**
[Analysis of the EEG spectrum in attacks of common migraine] Puca FM, et al. **Boll Soc Ital Biol Sper** 1986 Oct 30;62(10):1277–84 (Eng. Abstr.) **(Ita)**
[Analysis of the EEG spectrum in attacks of classical migraine] Puca FM, et al. **Boll Soc Ital Biol Sper** 1986 Oct 30;62(10):1285–92 (Eng. Abstr.) **(Ita)**
[Visual potentials evoked by flicker and pattern reversal in children with migraine] Brinciotti M, et al. **Minerva Med** 1987 Jul 31;78(14):1057–8 **(Ita)**
[Chronic paroxysmal migraine: a new entity or a transient form? Apropos of 3 new clinical cases] Centonze V, et al. **Minerva Med** 1987 Jul 31;78(14):977–9 **(Ita)**
[Syncopal headache. New guidelines] D'Attoma G, et al. **Minerva Med** 1987 Jul 31;78(14):993–5 **(Ita)**
[Role of blood platelet aggregation in menstrual migraine] Massobrio M, et al. **Minerva Med** 1987 Jul 31;78(14):1065–8 **(Ita)**
[Migraine and arterial pressure gradients] Nattero G, et al. **Minerva Med** 1987 Jul 31;78(14):955–7 **(Ita)**
[Confusional migraine] Pietrini V, et al. **Minerva Med** 1987 Jul 31;78(14):971–5 **(Ita)**
[Classic migraine: outlines and related syndromes] Sacquegna T, et al. **Minerva Med** 1987 Jul 31;78(14):963–6 **(Ita)**
[Angioscintigraphic parameters in disorders of the cerebrovascular circulation in the interictal phase of complicated migraine in children] Nikolić I, et al. **Med Pregl** 1986;39(3–4):129–32 (Eng. Abstr.) **(Ser)**
[Pathophysiologic mechanisms of migraine headache] Nikolić I, et al. **Med Pregl** 1986;39(5–6):251–3 (Eng. Abstr.) **(Ser)**

PREVENTION & CONTROL

A randomized general practice group-comparative study of femoxetine and placebo in the prophylaxis of migraine. Orholm M, et al. **Acta Neurol Scand** 1986 Sep;74(3):235–9
Migraine prophylaxis. A comparison of propranolol and amitriptyline. Ziegler DK, et al. **Arch Neurol** 1987 May; 44(5):486–9
Prevention of menstrual migraine by percutaneous oestradiol. de Lignières B, et al. **Br Med J [Clin Res]** 1986 Dec 13; 293(6561):1540
Effects of L-5HTP with and without carbidopa on plasma beta-endorphin and pain perception: possible implications in migraine prophylaxis. Genazzani AR, et al. **Cephalalgia** 1986 Sep;6(3):175–9
Effects of L-5HTP with and without carbidopa on plasma beta-endorphin and pain perception. Possible implications in migraine prophylaxis. Genazzani AR, et al. **Cephalalgia** 1986 Dec;6(4):241–5
Effects of extracellular calcium and of the calcium entry blockers flunarizine and nimodipine on contractile responses in human temporal arteries. Jansen I, et al. **Cephalalgia** 1986 Dec;6(4):235–40
L-5-hydroxytryptophan versus placebo in childhood migraine prophylaxis: a double-blind crossover study. Santucci M, et al. **Cephalalgia** 1986 Sep;6(3):155–7
Contingent negative variation and efficacy of beta-blocking agents in migraine. Schoenen J, et al. **Cephalalgia** 1986 Dec; 6(4):229–33
Comparative efficacy of cyclandelate versus flunarizine in the prophylactic treatment of migraine. Nappi G, et al. **Drugs** 1987;33 Suppl 2:103–9
Role of calcium entry blockers in the prophylaxis of migraine. Olesen J. **Eur Neurol** 1986;25 Suppl 1:72–9 (26 ref.)
5-Hydroxytryptophan versus methysergide in the prophylaxis of migraine. Randomized clinical trial. Titus F, et al. **Eur Neurol** 1986;25(5):327–9
Migraine prophylaxis with salmon calcitonin: a cross-over double-blind, placebo-controlled study. Gennari C, et al. **Headache** 1986 Jan;26(1):13–6
Prophylaxis of migraine attacks with a calcium-channel blocker: flunarizine versus methysergide. Steardo L, et al. **J Clin Pharmacol** 1986 Sep-Oct;26(7):524–8
[Prevention of migraine with retard dihydroergotamine. Results of a multicenter study in 643 patients] Wörz R. **Fortschr Med** 1986 Nov 20;104(43):838–42 (Eng. Abstr.) **(Ger)**
[Ergotismus as a consequence of migraine prevention] Beck B, et al. **ROFO** 1987 Apr;146(4):470–3 **(Ger)**
[Prevention of migraine using flunarizine (results of a pilot study using Amalium)] Wessely P, et al. **Wien Med Wochenschr** 1987 Jan 15;137(1):21–6 (Eng. Abstr.) **(Ger)**
[Use of calcium-antagonist drugs in the preventive therapy of migraine. Experience with verapamil] Centonze V, et al. **Minerva Med** 1987 Jul 31;78(14):1103–5 **(Ita)**
[Flunarizine in the prevention of the migraine crisis of classic and common headache] Pini LA, et al. **Minerva Med** 1987 Jul 31;78(14):1097–8 **(Ita)**

PSYCHOLOGY

Psychological comparisons of irritable bowel syndrome to chronic tension and migraine headache and nonpatient controls. Blanchard EB, et al. **Biofeedback Self Regul** 1986 Sep;11(3):221–30
Personality and behavioural characteristics in pediatric migraine. Cunningham SJ, et al. **Headache** 1987 Jan; 27(1):16–20
On specific behavior of migraine patients in an anger-provoking situation. Grothgar B, et al. **Headache** 1987 Apr;27(4):206–10
Mood and migraine--a preliminary prospective study. Harvey PG, et al. **Headache** 1984 Jul;24(2):225–8
Somnambulism, migraine and propranolol. Pradalier A, et al. **Headache** 1987 Mar;27(3):143–5
Cutaneous pain threshold in classic and common migraine. Nattero G, et al. **Panminerva Med** 1987 Jan-Mar;29(1):83–5
Anxiety and life events in childhood migraine. Cooper PJ, et al. **Pediatrics** 1987 Jun;79(6):999–1004
[The "migraine personality"--more than a myth?]Köhler T, et al. **Psychother Psychosom Med Psychol** 1987 May; 37(5):170–4 (Eng. Abstr.) **(Ger)**
[Personality profile in migraine patients] Lastilla M, et al. **Minerva Med** 1987 Jul 31;78(14):1013–6 **(Ita)**

RADIOGRAPHY

Unusual angiographic appearance during an attack of hemiplegic migraine [letter] **Headache** 1986 Oct;26(9):486–7
Unusual transient high and low density CT lesion in migraine: a case report. Jain S, et al. **Headache** 1986 Jan;26(1):19–21

SURGERY

[Role of high thoracic sympathetic neurotomy in the treatment of migraine. Apropos of 125 cases] Wepf R, et al. **Rev Med Suisse Romande** 1987 May;107(5):427–31 **(Fre)**

THERAPY

MMPI profiles in migraine before and after biofeedback treatment. Minnesota Multiphasic Personality Inventory. Ellertsen B, et al. **Cephalalgia** 1987 Jun;7(2):101–8
Psychophysiologic response patterns in migraine before and after temperature biofeedback. Prediction of treatment outcome. Ellertsen B, et al. **Cephalalgia** 1987 Jun; 7(2):109–24
Biofeedback and the treatment of migraine [letter] Kaiser RS, et al. **Headache** 1987 Mar;27(3):170
Differential effects of training in relaxation and stress-coping in patients with migraine. Sorbi M, et al. **Headache** 1986 Oct;26(9):473–81
Mediating factors in non-medical treatment for migraine

headache: toward an interactional model. Litt MD. **J Psychosom Res** 1986;30(4):505–19
Advances in the treatment of headache. Schulman EA, et al. **Pa Med** 1987 Jun;90(6):54, 56, 58
Comparison of self–hypnosis and propranolol in the treatment of juvenile classic migraine. Olness K, et al. **Pediatrics** 1987 Apr;79(4):593–7
Herbal therapy for migraine. An unconventional approach. Diamond S. **Postgrad Med** 1987 Jul;82(1):197–8
The nasal patho–physiology of headaches and migraines. Diagnosis and treatment of the allergy, infection and nasal septal spurs that cause them. Hoover S. **Rhinology** 1987; Suppl 2:1–23
Clinical effectiveness of occlusal splint therapy in patients with classical migraine. Lamey PJ, et al. **Scott Med J** 1987 Feb;32(1):11–2
[Migraine (editorial)] Bonard EC. **Rev Med Suisse Romande** 1987 May;107(5):373–4 **(Fre)**
[Acupuncture for pain in the cranial region and for blepharospasm without organic cause] Sold–Darseff J, et al. **Klin Monatsbl Augenheilkd** 1986 Aug;189(2):167–9 (Eng. Abstr.) **(Ger)**
[Migraine in children and reflexotherapy] Podgalo DA, et al. **Pediatriia** 1986 Dec;(12):43–5 **(Rus)**

URINE

Urinary 5–HIAA in migraine: evidence of lowered excretion in young adult females. Bousser MG, et al. **Cephalalgia** 1986 Dec;6(4):205–9

MIGRANTS see TRANSIENTS AND MIGRANTS

MIGRATION, CELL see CELL MOVEMENT

MIGRATION INHIBITION FACTORS, MACROPHAGE see MACROPHAGE MIGRATION INHIBITORY FACTORS

MIKAMYCINS see VIRGINIAMYCINS

MIKULICZ' DISEASE

ETIOLOGY

[Experimental autoallergic sialadenitis in rats: a preliminary study] Ben CR. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jan;21(1):31–3, 63 (Eng. Abstr.) **(Chi)**

MILIARIA

CHEMICALLY INDUCED

Etretinate therapy associated with palmo–plantar lesions [letter] David M, et al. **Acta Derm Venereol (Stockh)** 1987; 67(3):275
Miliaria crystallina occurring in a patient treated with isotretinoin. Gupta AK, et al. **Cutis** 1986 Oct;38(4):275–6

VETERINARY

Correlation of histologic and immunologic findings in cats with miliary dermatitis. Gross TL, et al. **J Am Vet Med Assoc** 1986 Nov 15;189(10):1322–5

MILIEU THERAPY

Characteristics of a good ward atmosphere. Friis S. **Acta Psychiatr Scand** 1986 Nov;74(5):469–73
Therapeutic milieu and clinical improvement. Dumic M, et al. **Hillside J Clin Psychiatry** 1984;6(1):69–78
[Psychodynamic milieu therapy. Experience with adults psychotic since childhood] Rosenbaum B, et al. **Ugeskr Laeger** 1987 Feb 23;149(9):619–22 (Eng. Abstr.) **(Dan)**
["Soteria Bern." Initial experiences with a new milieu therapy for acutely schizophrenic patients] Ciompi L, et al. **Psychiatr Prax** 1986 Sep;13(5):172–6 (Eng. Abstr.) **(Ger)**

METHODS

[Bruno Bettelheim's milieu therapy approach. The orthogenic school of the University of Chicago—a model for child psychiatry and home child rearing?] Otto B. **Prax Kinderpsychol Kinderpsychiatr** 1987 May–Jun; 36(4):144–9 (Eng. Abstr.) **(Ger)**

MILITARY ANTI–SHOCK TROUSERS see G SUITS

MILITARY DENTISTRY

Survey of Army Dental Practice. Brusch WA. **J Am Coll Dent** 1987 Spring;54(1):54–63
Medical indemnity for service medical and dental officers [editorial] **J R Army Med Corps** 1987 Feb;133(1):7–8
Impact of troop dental health on combat readiness. Teweles RB, et al. **Milit Med** 1987 May;152(5):233–5

ECONOMICS

Medical indemnity for service medical and dental officers [letter] Edmonson–Jones JP. **J R Army Med Corps** 1987 Jun;133(2):119

EDUCATION

Care delivery in dental residency programs. Barnes GP, et al. **Milit Med** 1987 May;152(5):228–32
[Technical media for improving the professional standards of dentists] Rebikov AP, et al. **Voen Med Zh** 1987 May; (5):49 **(Rus)**

MILITARY HYGIENE

[Zone of responsibility] Gud VA. **Voen Med Zh** 1986 Aug; (8):17–8 **(Rus)**

ECONOMICS

[Economic problems of military public health] Gurov AN. **Voen Med Zh** 1987 Mar;(3):18–20 **(Rus)**

STANDARDS

[Improved sanitary inspection of the conditions of military work] Diachok VK. **Voen Med Zh** 1986 Nov;(11):35–6 **(Rus)**
[Requirements in selecting sources for a centralized drinking water supply] Zviagintsev AP. **Voen Med Zh** 1986 Sep; (9):42–3 **(Rus)**

MILITARY MEDICINE

see related
SURVIVAL
WOUNDS AND INJURIES

Predictive value of the resting electrocardiogram for Mobitz type I atrio–ventricular block on Holter monitoring in Israeli air force personnel. Bar–David M, et al. **Aviat Space Environ Med** 1987 Mar;58(3):254–6
Three into five won't go. Anderson TB. **Br Med J [Clin Res]** 1986 Dec 20–27;293(6562):1672–5
Battlefield has been the classroom for Israel's military doctors. Goldman B. **Can Med Assoc J** 1986 Oct 15; 135(8):928–9
An evaluation of the U.S. Army fallout prediction model. Pernick A, et al. **Health Phys** 1987 Jun;52(6):739–51
Medical indemnity for service medical and dental officers [editorial] **J R Army Med Corps** 1987 Feb;133(1):7–8
Epilepsy and army physicians [letter] Hamilton D. **J R Army Med Corps** 1986 Oct;132(3):178–9
Mitchiner Memorial Lecture, 1986: the surgeon's oldest enemy. Irving M. **J R Army Med Corps** 1987 Feb; 133(1):26–33
Alcohol associated deaths in British soldiers. Lynch P. **J R Army Med Corps** 1987 Feb;133(1):34–6
Cervical cytology screening in the Army. Zaklama MS, et al. **J R Army Med Corps** 1987 Jun;133(2):113–6
Causalgia: a wartime experience—report of twenty treated cases. Jebara VA, et al. **J Trauma** 1987 May;27(5):519–24
A unique training opportunity: medical care as a joint venture between a health services command community hospital and a forces command evacuation hospital. Braun WW, et al. **Milit Med** 1986 Nov;151(11):577–9
Microbiologic assessment of drinking water potability during brigade operations. du Moulin GC, et al. **Milit Med** 1986 Nov;151(11):570–3
Organ procurement and the Armed Forces—a personal perspective [editorial] Henthorne SE, et al. **Milit Med** 1987 Jun;152(6):331–2
Military occupational specialty medical retention board: promises and problems. Jeffer EK. **Milit Med** 1986 Aug; 151(8):422–5
The military as a provider of public health services after a disaster. Moore GR, et al. **Milit Med** 1987 Jun; 152(6):303–7
New rules for AIDS positives [news] Ezzell C. **Nature** 1987 Apr 30–May 6;326(6116):816
Ethical issues regarding mixed agency of military physicians. Howe EG. **Soc Sci Med** 1986;23(8):803–15
[Classification of military medical equipment] Chirkov AI, et al. **Voen Med Zh** 1986 Aug;(8):47–9 **(Rus)**
[With perserverance let us raise political knowledge (editorial)] Fedorov KV. **Voen Med Zh** 1986 Nov;(11):3–5 **(Rus)**
[Various organizational forms of the research and practical activities in medical institutions of the region] Iziumtsev IS. **Voen Med Zh** 1987 May;(5):19–20 **(Rus)**
[With an initiator of competition] Savchuk NA. **Voen Med Zh** 1986 Nov;(11):6–8 **(Rus)**
[Problems in improving the scientific organization of work in the command machinery of the medical service (2)] Sidel'nikov AI. **Voen Med Zh** 1986 Aug;(8):10–3 **(Rus)**
[Voenno–meditsinskii zhurnal as a source of information on current problems in surgery] Zhukov GA. **Voen Med Zh** 1986 Oct;(10):16–20 **(Rus)**
[The place and role of radiology in the care of injuries and diseases during war] Jašović M, et al. **Vojnosanit Pregl** 1986 Nov–Dec;43(6):415–8 **(Scr)**

ECONOMICS

Medical indemnity for service medical and dental officers [letter] Edmonson–Jones JP. **J R Army Med Corps** 1987 Jun;133(2):119
Will cost–sharing improve the military health care delivery system? Lopez MS. **Milit Med** 1987 May;152(5):246–51

EDUCATION

Interactive videodisc to teach combat trauma life support. Henderson JV, et al. **J Med Syst** 1986 Jun;10(3):271–6
Medical cadet elective to the USA. Bisson JI, et al. **J R Army Med Corps** 1987 Jun;133(2):103–5
Emergency readiness training at the Uniformed Services University of the Health Sciences. Cowan ML, et al. **Milit Med** 1987 Apr;152(4):196–9
Neubruecke (a new bridge) in the Army Reserve medical training network. Duggan D. **Milit Med** 1986 Oct; 151(10):532–4
Army Expert Field Medical Badge (EFMB) enhances Air Force medical readiness. Fieg EL, et al. **Milit Med** 1987 Jul;152(7):351–4
Selected reserve–civilian hospital collaborative training: Naval Reserve Naval Hospital Portsmouth 1305 and Grant Medical Center. McKinlay RT, et al. **Milit Med** 1987 Mar; 152(3):130–2
A case for the military pediatrician [editorial] Pierce J, et al. **Milit Med** 1986 Oct;151(10):559–60
Medical Officer Training Corps: Indiana's success story. Stonehill RB, et al. **Milit Med** 1986 Oct;151(10):525–7
[Military–patriotic education of students in a department of traumatology, orthopedics and military field surgery] Iumashev GS, et al. **Ortop Travmatol Protez** 1987 Jan; (1):52–4 **(Rus)**
[Teaching of traumatology, orthopedics and military field surgery to medical students (apropos of the article by S. Z. Gorshkova and E. N. Danilina)] Redin VA, et al. **Ortop Travmatol Protez** 1987 Feb;(2):59–60 **(Rus)**
[Monitoring current progress—an important stimulus for independent work by students] Ivanov VP, et al. **Sov Zdravookhr** 1987;(4):52–4 (Eng. Abstr.) **(Rus)**
[Military training of medical personnel: ready reserves (editorial)] **Voen Med Zh** 1986 Dec;(12):3–6 **(Rus)**
[Methodological recommendations for the military medical advanced training of reserve officers] Aleksanian IV, et al. **Voen Med Zh** 1986 Dec;(12):16–8 **(Rus)**
[Experience with the organization of correspondence instruction in functional diagnosis for military physicians (Part 3)] Ermakov EV, et al. **Voen Med Zh** 1987 Jan; (1):27–8 **(Rus)**
[Methods in the advanced training of infectious disease specialists in residency activities] Ivanov KS. **Voen Med Zh** 1987 Feb;(2):17–8 **(Rus)**
[Improving the professional training of the staff of a military sanatorium] Komkov VK, et al. **Voen Med Zh** 1987 Apr; (4):15–6 **(Rus)**
[Field training of the students of a military medicine department] Osipov NA, et al. **Voen Med Zh** 1986 Oct; (10):11–3 **(Rus)**
[Scientific research work of students as a form of improving the educational process] Pakhunov OF, et al. **Voen Med Zh** 1987 May;(5):20 **(Rus)**
[Reserves and prospects for increasing the training of military physicians in otorhinolaryngology] Revskoĭ IuK, et al. **Voen Med Zh** 1987 Apr;(4):14–5 **(Rus)**
[Speeding up the training of a troop physician] Skachkov NM. **Voen Med Zh** 1987 Mar;(3):24–6 **(Rus)**

HISTORY

From irritable heart to mitral valve prolapse: World War I. The U.S. experience and the origin of neurocirculatory asthenia. Wooley CF. **Am J Cardiol** 1987 May 1; 59(12):1183–6
From irritable heart to mitral valve prolapse—World War I, the British experience and Clifford Allbutt. Wooley CF. **Am J Cardiol** 1987 Feb 1;59(4):353–7
Anesthesia on the Western Front: the Anglo–American experience of World War I. Courington FW, et al. **Anesthesiology** 1986 Dec;65(6):642–53
First wartime use of surgical anesthesia [letter] Wright AJ. **Anesthesiology** 1987 Jan;66(1):93
Emergency blood typing in the field during World War II: a personal narrative. Berg S. **Bull NY Acad Med** 1986 Sep; 62(7):778–83
Microscopy and the Army Medical Museum. Nöe A, et al. **Caduceus** 1986 Summer;2(2):1–56
Camp Miami, 1898. Straight WM. **J Fla Med Assoc** 1987 Jul;74(7):504–13
American medicine and Selective Service in World War II. Flynn GQ. **J Hist Med Allied Sci** 1987 Jul;42(3):305–26
Medical care and evacuation during the Philippine Insurrection, 1899–1901. Gillett MC. **J Hist Med Allied Sci** 1987 Apr;42(2):169–85
Baron Dominique Jean Larrey (1766–1842). Father of modern military surgery, innovater, humanist. Brewer LA 3d. **J Thorac Cardiovasc Surg** 1986 Dec;92(6):1096–8
United States Army Research Institute of Environmental Medicine: first quarter century. Francesconi R, et al. **Physiologist** 1986 Oct;29(5 Suppl):58–62
Radiography in the United States Army during World War II: Part I. Lauer OG. **Radiol Technol** 1986 Nov–Dec; 58(2):123–33
Radiography in the United States Army during World War II: Part II. Lauer OG. **Radiol Technol** 1987 Jan–Feb; 58(3):215–24
Usher Parsons: the Battle of Lake Erie. Goldowsky SJ. **RI Med J** 1986 Nov;69(11):525–31
Administration of the Medical Department of the Confederate States Army, 1861 to 1865. Freemon FR.

South Med J 1987 May;80(5):630-7
The calomel rebellion. Leonard RB. **South Med J** 1987 May; 80(5):638
Who shall treat acute gonorrhea in the U.S. Army? Spicy correspondence of 1944. Spence HM, et al. **Urology** 1987 Mar;29(3):346-9
[The surgical service in the Serbo-Bulgarian War (1885)] Altünkov P. **Khirurgiia (Sofiia)** 1986;39(3):96-9 (Bul)
[History of wounds of the colon. 150 years ago Lucien Baudens published the 1st suture to be followed by recovery] Rignault D. **Chirurgie** 1987;113(2):206-11 (Eng. Abstr.) (Fre)
[Role of the Armed Forces Health Services in the fight against trachoma and blindness in Africa] Cornand G, et al.
Rev Int Trach Pathol Oculi Trop Subtrop Sante Publique 1986;63(1-2):43-95 (Fre)
[Military medicine in the Chinese Middle Ages (10th through the 13th centuries)] Franke H. **Sudhoffs Arch** 1986; 70(2):188-97 (Eng. Abstr.) (Ger)
[The history of the Berlin Pépinière] Rüster D.
Z Arztl Fortbild (Jena) 1987;81(1):13-8 (Ger)
[The hospital in the time of Napoleon I. A medical history viewpoint] Schneegans HJ. **Z Arztl Fortbild (Jena)** 1987; 81(7):339-42 (Ger)
[40 years ago--Regulation No. 297 of the Soviet Military Administration of Germany] Schilling W.
Z Erkr Atmungsorgane 1986;167(3):211-2 (Ger)
[The cooperation of antifascists and the Soviet military administration in Germany in the health care of resettlers in the province of Saxony in 1945] Asmus W.
Z Gesamte Hyg 1986 Aug;32(8):507-9 (Eng. Abstr.) (Ger)
[Role of pathologists in the besieged city of Leningrad (1941-1943)] Chmelnizkij OK. **Zentralbl Allg Pathol** 1987; 133(3):307-10 (Eng. Abstr.) (Ger)
["For Aesculapius and the health of my fellow-soldiers": updated synthesis of Roman military medicine] Rossi L.
G Ital Cardiol 1987 Mar;17(3):281-3 (Ita)
[Underground activities in the Wolski Hospital] Lubicz-Chojnowski J. **Pneumonol Pol** 1986 Jul;54(7):314-7 (Eng. Abstr.) (Pol)
[The Wolski Hospital during the Warsaw uprising] Pecyna-Sielewicz J. **Pneumonol Pol** 1986 Jul;54(7):318-22 (Eng. Abstr.) (Pol)
[Hospital for prisoners of war in Cracow and Silesia] Mianowska A. **Przegl Lek** 1987;44(1):150-4 (Pol)
[Health service of the "Pomerania" Army (1-6, September 1939)] Sucharski S. **Przegl Lek** 1987;44(1):68-85 (Pol)
[Scientific activities of military gynecologists during World War II 1941-1945] Pichuev VP, et al.
Akush Ginekol (Mosk) 1987 May;(5):76-8 (Rus)
[Improvements in the organization of surgical services during World War II (on the 42d anniversary of victory over fascist Germany)] Aleksanian IV, et al.
Khirurgiia (Mosk) 1987 May;(5):153-5 (Rus)
[An important stage in the development of military field therapy (from the history of Soviet military field therapy)] Aleksanian IV, et al. **Klin Med (Mosk)** 1987 May;65(5):3-6 (Rus)
[History of the emblem of the Soviet military medicine] Fialkov LB. **Klin Med (Mosk)** 1987 May;65(5):138-41 (Rus)
[The contribution of medical scientists to infection control during World War II] Kuz'min MK, et al.
Mol Gen Mikrobiol Virusol 1985 May;(5):3-7 (Rus)
[Medical services of the Ural Cossack corps] Dushmanov SKh. **Sov Zdravookhr** 1987;(3):70-3 (Rus)
[Epidemic control work of military physicians in liberated areas during World War II] Fedoseev AS, et al.
Sov Zdravookhr 1987;(7):62-3 (Rus)
[Creation and development of military health resorts in Crimea] Broshevan VM, et al. **Voen Med Zh** 1987 May; (5):6-7 (Rus)
[The selfless labor of physicians at the Western Front] Dronov VN, et al. **Voen Med Zh** 1986 Dec;(12):10-1 (Rus)
[A. A. Charukovskii's book, "Military Field Medicine" (on the 150th anniversary of its publication)] Gembitskii EV, et al. **Voen Med Zh** 1986 Sep;(9):73-5 (Rus)
[Organization of medical services in a rifle regiment during the Lvov-Sandomierz offensive] Ivanov AI.
Voen Med Zh 1987 May;(5):75-6 (Rus)
[Experience in the medical services in a rifle brigade] Kolesnikov ZS. **Voen Med Zh** 1987 May;(5):73-5 (Rus)
[Activities of surgeons during World War II] Kovanov VV.
Voen Med Zh 1987 May;(5):71-3 (Rus)
[Encyclopedia of military medicine] Petrov BD.
Voen Med Zh 1986 Sep;(9):75-6 (Rus)
[150th anniversary of the founding the Department of Advanced-Level Therapy of the S. M. Kirov Military Medical Academy] Petrov NS. **Voen Med Zh** 1986 Aug; (8):78-80 (Rus)
[The newspaper "Pravda" on the revolutionary speeches of students at the Military-Medical Academy] Shalaev NF.
Voen Med Zh 1987 Apr;(4):6-9 (Rus)
[Students of the Military Medical Academy--members of the military and combat organization of the Russian Social Democratic Workers' Party (on the 80th anniversary of the 1905-1907 revolution in Russia)] Shalaev NF.
Voen Med Zh 1986 Oct;(10):71-3 (Rus)
[From the work experience of the neurosurgical group of a separate medical reinforcements company] Tolmasskaia ES. **Voen Med Zh** 1987 Mar;(3):71-3 (Rus)
[Various questions concerning medical provisions for the forces at the Western Front in the Battle of Moscow] Vishniakov IK. **Voen Med Zh** 1987 Jan;(1):17-21 (Rus)

INSTRUMENTATION

[Storage of medical equipment] Stepanov AA, et al.
Voen Med Zh 1987 Jan;(1):47-50 (Rus)

MANPOWER

Forces to blame for shortage of military doctors, young officers contend. Sullivan P. **Can Med Assoc J** 1986 Oct 15;136(8):926, 929-30
Indiana's Medical Officer Training Corps: a unique solution. Hallanger MK, et al. **Indiana Med** 1987 May;80(5):476-9
[Methodological bases for the psychological job selection of military specialists] Kulagin BV. **Voen Med Zh** 1986 Oct; (10):13-6 (Rus)

STANDARDS

The Feres doctrine and the Department of Defense Quality Assurance Plan. The road to high quality care in military medicine. Hilen DN. **J Leg Med (Chicago)** 1986 Dec; 7(4):521-45
A practical review of obesity in military medicine. Everett WD. **Milit Med** 1987 Mar;152(3):125-9
[Computer-assisted task preparation and performance of physician organizers] Kuvakim VI, et al. **Voen Med Zh** 1987 May;(5):16-9 (Rus)
[Organizational problems of certifying medical personnel for a trained category] Rebikov AP. **Voen Med Zh** 1986 Nov; (11):15-6 (Rus)
[Let us improve the work of military pharmacies] Tiurin VG.
Voen Med Zh 1987 Mar;(3):14-7 (Rus)
[Mathematical methods in the study of pharmaceutical prescribing] Umarov SZ, et al. **Voen Med Zh** 1987 Feb; (2):22-3 (Rus)
[Think, search and act] Zakharov VP. **Voen Med Zh** 1987 Feb;(2):11-3 (Rus)

TRENDS

Pharmacy practice in the United States Army. Cammarata FA, et al. **Am J Hosp Pharm** 1987 Apr;44(4):755-60
Integrating research into clinical practice: a model and call for action. Rinke WJ, et al. **J Am Diet Assoc** 1987 Feb; 87(2):159-61
[Reconstruction and military medical personnel (editorial)] **Voen Med Zh** 1987 Mar;(3):3-6 (Rus)
[Let us raise the efficiency of dispensary care]
Voen Med Zh 1986 Aug;(8):3-6 (Rus)
[Toward a further increase in invention- and efficiency-promoting efforts] **Voen Med Zh** 1986 Sep; (9):3-6 (Rus)
[Under the banner of the Great October (editorial)]
Voen Med Zh 1986 Oct;(10):3-6 (Rus)
[Tasks for further improving and refining the work of maintaining and promoting the health of military personnel] Komarov FI. **Voen Med Zh** 1987 Jan;(1):3-11 (Rus)

MILITARY NURSING

Vietnam nurses. Rogers B, et al.
J Psychosoc Nurs Ment Health Serv 1987 Apr;25(4):11-5

MANPOWER

Motivational factors that affect the retention of reserve nurses in eight aeromedical evacuation flights. Janelli LM, et al.
Aviat Space Environ Med 1987 Apr;58(4):375-8

MILITARY PERSONNEL

see related
VETERANS

Establishing a physical criterion for assigning personnel to U.S. Air Force jobs. Ayoub MM, et al.
Am Ind Hyg Assoc J 1987 May;48(5):464-70
Use of asbestos in the Israeli Defense Forces. Schlezinger Z. **Am J Ind Med** 1986;10(5-6):539-41
Refractive error change at the United States Air Force Academy--class of 1985. O'Neal MR, et al.
Am J Optom Physiol Opt 1987 May;64(5):344-54
Relationships between near surface blood flow and altered sensations among spinal cord injured veterans. Sherman RA, et al. **Am J Phys Med** 1986 Dec;65(6):281-97
Epidemiology of trauma: military experience. Bellamy RF, et al. **Ann Emerg Med** 1986 Dec;15(12):1384-8
Coronary artery atherosclerosis revisited in Korean war combat casualties. Virmani R, et al.
Arch Pathol Lab Med 1987 Oct;111(10):972-6
Knee arthroscopy in the military population: an analysis of 600 knee arthroscopies. Fullerton LR Jr. **Arthroscopy** 1986; 2(4):259-61
The effect of cycloplegia on the visual contrast sensitivity function. Bachman WG, et al.
Aviat Space Environ Med 1987 Apr;58(4):339-42
Physical fitness in a submarine community as determined by the U.S. Navy Health and Physical Readiness Test. Bennett BL. **Aviat Space Environ Med** 1987 May;58(5):444-51
Prevalence of penicillinase-producing Neisseria gonorrheae in Korea. Berliner DS, et al. **Aviat Space Environ Med** 1986 Dec;57(12 Pt 1):1170-5
The relationship of hearing loss to airman age and exposure to aircraft noise in Israeli Air Force pilots [letter] Broadwell DK. **Aviat Space Environ Med** 1987 Jan;58(1):82
Physiologic responses of pilots flying high-performance aircraft. Comens P, et al. **Aviat Space Environ Med** 1987 Mar;58(3):205-10
Simulator sickness: a problem for Army aviation. Crowley JS. **Aviat Space Environ Med** 1987 Apr;58(4):355-7
Visual acuity, corrective lenses, and accidents in helicopter pilots. Froom P, et al. **Aviat Space Environ Med** 1987 Mar; 58(3):252-3
Low back pain in the AH-1 Cobra helicopter. Froom P, et al. **Aviat Space Environ Med** 1987 Apr;58(4):315-8
Spondylolithesis in pilots: a follow-up study. Froom P, et al. **Aviat Space Environ Med** 1987 Jun;58(6):588-9
The predictive value of the body mass index for systolic blood pressure 12-15 years later in young air force personnel. Froom P, et al. **Aviat Space Environ Med** 1987 Jul;58(7):695-8
Twenty years of treating decompression sickness. Green RD, et al. **Aviat Space Environ Med** 1987 Apr;58(4):362-6
Cases from the aerospace medicine residents' teaching file. Case #17. An aviator with multiple compression fractures of the spine secondary to high speed ejection. Lyons TJ, et al. **Aviat Space Environ Med** 1987 Apr;58(4):379-81
Cases from the aerospace medicine residents' teaching file. Case #15. An aviator with chronic lymphocytic leukemia. Nunes LB, et al. **Aviat Space Environ Med** 1986 Nov; 57(11):1109-11
The use of extracorporeal shock wave lithotripsy in aviators. Paletta MJ. **Aviat Space Environ Med** 1987 Mar;58(3):260-2
Health and performance of Antarctic winter-over personnel: a follow-up study. Palinkas LA.
Aviat Space Environ Med 1986 Oct;57(10 Pt 1):954-9
Decompression sickness incidence over 63 months of hypobaric chamber operation. Piwinski S, et al.
Aviat Space Environ Med 1986 Nov;57(11):1097-101
Anti-G training of Japanese Air Self Defense Force fighter pilots. Sekiguchi C, et al. **Aviat Space Environ Med** 1986 Nov;57(11):1029-34
Subjective effects of combined-axis vibration: III. Comparison of Y-axis and Y-plus-yaw vibrations. Shoenberger RW. **Aviat Space Environ Med** 1986 Nov; 57(11):1075-81
The use of contact lenses by USAF aviators. Tredici TJ, et al. **Aviat Space Environ Med** 1987 May;58(5):438-43
Spontaneous pneumothorax in the USAF aircrew population: a retrospective study. Voge VM, et al.
Aviat Space Environ Med 1986 Oct;57(10 Pt 1):939-49
Flight trial of a helmet-mounted display image stabilisation system. Wells MJ, et al. **Aviat Space Environ Med** 1987 Apr;58(4):319-22
Combat-related posttraumatic stress disorder among Israeli soldiers. A two-year follow-up. Solomon Z.
Bull Menninger Clin 1987 Jan;51(1):80-95
Immunization of Canadian Armed Forces personnel with live types 4 and 7 adenovirus vaccines. Chaloner-Larsson G, et al. **Can J Public Health** 1986 Sep-Oct;77(5):367-70
Mortality among Canadian military personnel exposed to low-dose radiation. Raman S, et al. **Can Med Assoc J** 1987 May 15;136(10):1051-6
External rotation of the hip. A predictor of risk for stress fractures. Giladi M, et al. **Clin Orthop** 1987 Mar;(216):131-4
Factors predisposing Army conscripts to knee exertion injuries incurred in a physical training program. Kujala UM, et al. **Clin Orthop** 1986 Sep;(210):203-12
Medial tibial pain. A prospective study of its cause among military recruits. Milgrom C, et al. **Clin Orthop** 1986 Dec; (213):167-71
Epidemiological survey of 6 years' federal health service experience of pyloric stenosis: case report of presentation in a 26-month male. Reyna TM, et al.
Clin Pediatr (Phila) 1987 Aug;26(8):412-4
Proposed guidelines for screening of metabolic and endocrine diseases of dependent neonates of the U.S. Armed Forces. Derived from a survey of state guidelines for neonatal screening of metabolic diseases. Tiwary CM.
Clin Pediatr (Phila) 1987 Jul;26(7):349-54
The durability of front teeth restoration in Dutch servicemen. Meeuwissen R, et al. **Community Dent Health** 1986 Sep; 3(3):213-9
Assessing the dental treatment needs of an adult Israeli military population. Gordon M, et al.
Community Dent Oral Epidemiol 1986 Oct;14(5):244-9
Prevalence of hepatitis A antibodies in French recruits in 1985. Joussemet M, et al. **Eur J Epidemiol** 1987 Mar; 3(1):10-3
A nutritional analysis of food provided to Royal Naval personnel at sea. Alexander DC, et al.
Hum Nutr Appl Nutr 1987 Jun;41(3):193-203
Recrudescent pulmonary melioidosis. A case report involving the so-called 'Vietnamese time bomb'. Goshorn RK.
Indiana Med 1987 Mar;80(3):247-9
Wartime trauma: lessons and perspectives. Dolev E.
Int Anesthesiol Clin 1987 Spring;25(1):191-203 (33 ref.)
Battlefield anesthesia. Perel A. **Int Anesthesiol Clin** 1987 Spring;25(1):175-89 (29 ref.)
Epidemiology of gonorrhea among men in the Israel Defense Forces. Matzkin H. **Isr J Med Sci** 1987 Apr;23(4):249-51
Fighter pilots are world class athletes [letter] Whinnery JE.

J Am Coll Cardiol 1987 Sep;10(3):718
Altered zinc status of soldiers under field conditions. Miyamura JB, et al. **J Am Diet Assoc** 1987 May;87(5):595–7
A fatal wound from an unusual military projectile: potential dangers of live military ordnance to the autopsy pathologist. Clark MA. **J Forensic Sci** 1987 May; 32(3):793–7
Epidemiological features of acute viral hepatitis among the Israeli Defence Forces, 1977–83. Matzkin H. **J Infect** 1987 May;14(3):271–8
Influenza at Lowry Air Force Base in Denver, 1982–1986. Meiklejohn G, et al. **J Infect Dis** 1987 Oct;156(4):649–51
Soft tissue sarcomas and military service in Vietnam: a case comparison group analysis of hospital patients. Kang HK, et al. **J Occup Med** 1986 Dec;28(12):1215–8
Predictors of successful alcohol rehabilitation in an Air Force population. Wise MG, et al. **J Occup Med** 1987 Jan; 29(1):63–5
Heat illness [letter] **J R Army Med Corps** 1986 Oct; 132(3):180–2
Review of perinatal mortality in BAOR 1970–1984. Atalla A, et al. **J R Army Med Corps** 1986 Oct;132(3):173–6
My thigh feels dead, doctor [letter] Connolly A. **J R Army Med Corps** 1987 Jun;133(2):120
Dyspepsia among young conscripts: correlations with psychoemotional state and eating habits. Giacosa A, et al. **J R Army Med Corps** 1987 Feb;133(1):59–62
Mortality from ischaemic heart disease in the Armed Forces 1973–1984. Gray J. **J R Army Med Corps** 1987 Jun; 133(2):106–12
Epilepsy and army physicians [letter] Hamilton D. **J R Army Med Corps** 1986 Oct;132(3):178–9
Malaria in Papua New Guinea. Implications for the British Army. Henderson A. **J R Army Med Corps** 1987 Jun; 133(2):89–91
A case of frostbite [letter] Hughes S. **J R Army Med Corps** 1987 Feb;133(1):66
Smoking patterns and physical fitness in a Gurkha Infantry Battalion. Jefferson TO. **J R Army Med Corps** 1986 Oct; 132(3):168–72
A study into medical wastage of recruits. Lynch–Blosse RH. **J R Army Med Corps** 1987 Feb;133(1):43–9
Sudden infant death in service families. Miller SA. **J R Army Med Corps** 1987 Feb;133(1):16–22
The enlistment medical examination—reasons for failure. Sinclair DM. **J R Army Med Corps** 1987 Feb;133(1):41–2
An evaluation and education program for driving while intoxicated offenders. Kruzich DJ, et al. **J Subst Abuse Treat** 1986;3(4):263–70
Germ cell tumors of the testicle among aircraft repairmen. Ducatman AM, et al. **J Urol** 1986 Oct;136(4):834–6
Leads from the MMWR. Influenza activity in civilian and military populations and key points for use of influenza vaccines. **JAMA** 1987 Jan 9;257(2):157, 160
Homosexuality, confidentiality, and the military [letter] Forde RJ. **JAMA** 1987 Jul 10;258(2):202–3
Sudden cardiac death in Air Force recruits. A 20–year review. Phillips M, et al. **JAMA** 1986 Nov 21; 256(19):2696–9
Lying to military physicians about risk factors for HIV infections [letter] Potterat JJ, et al. **JAMA** 1987 Apr 3; 257(13):1727
The Agent Orange controversy [letter] **Med J Aust** 1987 Jan 19;146(2):115–6
Tick infestation in soldiers who were bivouacked in the Perth region. Pearce RL, et al. **Med J Aust** 1987 Mar 2; 146(5):238–40
Temporary paternal absence and health care utilization: a cohort–controlled study. Abbe JS, et al. **Milit Med** 1986 Sep;151(9):469–72
Smoking cessation guidelines for the military health care provider. Alexander LL. **Milit Med** 1987 Apr;152(4):175–8
Potential of influenza vaccine and amantadine to prevent influenza A illness in Canadian forces personnel 1980–1983. Aoki FY, et al. **Milit Med** 1986 Sep;151(9):459–65
Little arrows. Bellamy RF. **Milit Med** 1987 Jul;152(7):359–60
The use of desmopressin in adult enuresis. Belmaker RH, et al. **Milit Med** 1986 Dec;151(12):660–2
Does the United States Army need a sports award? [editorial] Bennion SD. **Milit Med** 1986 Oct;151(10):558–9
A prospective study of the etiology of hepatitis in the U.S. Army Wuerzburg community from 1978 to 1979. Bennion SD, et al. **Milit Med** 1987 Feb;152(2):80–2
Rucksack paralysis with and without rucksack frames. Bessen RJ, et al. **Milit Med** 1987 Jul;152(7):372–5
Chief complaints, contraceptive use and diagnoses of female soldiers in ambulatory GYN clinic. Cobb CE. **Milit Med** 1987 Feb;152(2):70–1
Descriptive epidemiology of an outbreak of hepatitis B in the U.S. Army, Europe. Cowan DN, et al. **Milit Med** 1987 Jul;152(7):345–7
Health and fitness profiles of male military officers. Deuster PA, et al. **Milit Med** 1987 Jun;152(6):290–3
A practical review of obesity in military medicine. Everett WD. **Milit Med** 1987 Mar;152(3):125–9
The use of the Durnin–Womersley generalized equations for body fat estimation and their impact on the Army Weight Control Program. Friedl KE, et al. **Milit Med** 1987 Mar; 152(3):150–5
The U.S. Army arthroscopic surgery experience. Fullerton LR Jr. **Milit Med** 1986 Dec;151(12):634–5
Factors associated with stress fractures in military recruits. Garcia JE, et al. **Milit Med** 1987 Jan;152(1):45–8
Airsickness in B–52 crewmembers. Geeze DS, et al. **Milit Med** 1986 Dec;151(12):628–9
AIDS policy development within the Department of Defense. Herbold JR. **Milit Med** 1986 Dec;151(12):623–7
Predeposit autologous blood: a valuable resource for military blood banks [editorial] Holmberg JA, et al. **Milit Med** 1987 Mar;152(3):164–5
Post–traumatic epilepsy in the military [letter] Hughes JR. **Milit Med** 1987 May;152(5):273
Post–traumatic epilepsy in the military. Hughes JR. **Milit Med** 1986 Aug;151(8):416–9
Data on human immunodeficiency virus (HIV) antibody testing among military recruits [letter] James JJ, et al. **Milit Med** 1987 Feb;152(2):103–4
Military occupational specialty medical retention board: promises and problems. Jeffer EK. **Milit Med** 1986 Aug; 151(8):422–5
Illness in American military men in Egypt. Kilpatrick ME, et al. **Milit Med** 1986 Oct;151(10):548–9
Third molars and acute pericoronitis: a military problem. Leone SA, et al. **Milit Med** 1987 Mar;152(3):146–9
Will cost–sharing improve the military health care delivery system? Lopez MS. **Milit Med** 1987 May;152(5):246–51
The physiologic and psychological effects of a 5–week and a 16–week physical fitness program. Maloney JP, et al. **Milit Med** 1986 Aug;151(8):426–33
Implications to forensic psychiatry of post–traumatic stress disorder: a review. Marciniak RD. **Milit Med** 1986 Aug; 151(8):434–7 (21 ref.)
A comparison of sprain and strain injury rates during aerobic/calisthenic and aerobic/circuit weight training programs. Marcinik J, et al. **Milit Med** 1987 May; 152(5):252–4
Tuberculin skin tests: atypical mycobacterial PPD–Battey skin test conversion following airborne training. Margileth AM, et al. **Milit Med** 1986 Dec;151(12):636–8
Patient referrals and consultations initiated by Pacific Fleet ships during in–port periods. Nice DS, et al. **Milit Med** 1986 Sep;151(9):466–8
A prospective cost comparison between renal transplantation and chronic hemodialysis at Wilford Hall USAF Medical Center. Optenberg SA, et al. **Milit Med** 1986 Dec; 151(12):630–3
Management Support System: automation of patient appointments in the U.S. Army. Palmer GS, et al. **Milit Med** 1987 Jul;152(7):355–7
An assessment of preventable morbidity in the U.S. Army, Europe. Prier RE, et al. **Milit Med** 1987 May;152(5):241–5
An analysis of febrile illnesses among members of the Malaysian Police Field Force. Taylor A, et al. **Milit Med** 1986 Aug;151(8):442–5
Occurrence of Baylisascaris procyonis in raccoon populations on military installations in the Washington, D.C. area. Tecec TG. **Milit Med** 1987 Feb;152(2):83–4
Impact of troop dental health on combat readiness. Teweles RB, et al. **Milit Med** 1987 May;152(5):233–5
Risk of injury in soldiers. Tomlinson JP, et al. **Milit Med** 1987 Feb;152(2):60–4
HTLV–III/LAV infections in the military [editorial] Tramont EC, et al. **Milit Med** 1987 Feb;152(2):105–6
Postmortem immunodiagnosis of cobra bite in a Marine. Watt G, et al. **Milit Med** 1987 Apr;152(4):209–10
Cardiovascular risk modification: a `multidisciplinary approach in a USAF clinic setting. Whitney EJ, et al. **Milit Med** 1986 Sep;151(9):473–7
Trends in human immunodeficiency virus infection among civilian applicants for military service—United States, October 1985–December 1986. **MMWR** 1987 May 15; 36(18):273–6
Influenza activity in civilian and military populations and key points for use of influenza vaccines. **MMWR** 1986 Nov 28;35(47):729–31
Disseminated vaccinia in a military recruit with human immunodeficiency virus (HIV) disease. Redfield RR, et al. **N Engl J Med** 1987 Mar 12;316(11):673–6
A serologic follow–up of the 1942 epidemic of post–vaccination hepatitis in the United States Army. Seeff LB, et al. **N Engl J Med** 1987 Apr 16;316(16):965–70
Risk factors in military recruits positive for HIV antibody [letter] Stoneburner RL, et al. **N Engl J Med** 1986 Nov 20;315(21):1355
Demography of HIV infections among civilian applicants for military service in four counties in New York City. Burke DS, et al. **NY State J Med** 1987 May;87(5):262–4
The problem of accidental or inadvertent nuclear war. Abrams HL. **Prev Med** 1987 May;16(3):319–33
The predictive value of cholesterol in young men for an elevated cholesterol ten to twelve years later. Barzilay J, et al. **Public Health** 1986 Jul;100(4):223–8
Hepatocellular carcinoma in north–east England: importance of hepatitis B infection and ex–tropical military service. Cobden I, et al. **Q J Med** 1986 Sep;60(233):855–63
Hearing damage in military service. A study on 38,294 conscripts. Klockhoff I, et al. **Scand Audiol** 1986; 15(4):217–22
The efficiency of earmuffs against impulse noise from firearms. Ylikoski J, et al. **Scand Audiol** 1987;16(2):85–8
Recurrent herpes labialis in a military brass band. Barkvoll P, et al. **Scand J Dent Res** 1987 Jun;95(3):256–8
Agent Orange study hits brick wall [news] Booth W. **Science** 1987 Sep 11;237(4820):1285–6
Suicide in the U.S. Army: epidemiological and periodic aspects. Rothberg JM, et al. **Suicide Life Threat Behav** 1987 Summer;17(2):119–32
[Epidemiology of infection by Mycobacterium intracellulare. Sensitivity to PPD RT23 and PPD–B in certain parts of China] Dong MX. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1987 Feb;10(1):17–9, 62 (Eng. Abstr.) **(Chi)**
[Determination of maximal expiratory flow–volume curves in 842 cases of workers, farmers and soldiers] Huang GF, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Jun; 17(2):109–13 (Eng. Abstr.) **(Chi)**
[The increase in body height in Dutchmen and the attraction of tennis] Hoogendoorn D. **Ned Tijdschr Geneeskd** 1986 Dec 27;130(52):2343–4 (Eng. Abstr.) **(Dut)**
[Acute myocardial infarction during athletic activity. 38 cases in the military milieu] Ollivier JP, et al. **Ann Cardiol Angeiol (Paris)** 1986 Jun;35(6):351–4 (Eng. Abstr.) **(Fre)**
[Approach to primo–infection and tuberculosis through selective service centers. Its limitations] Juillet P, et al. **Bull Acad Natl Med (Paris)** 1986 Dec;170(9):1191–7 (Eng. Abstr.) **(Fre)**
[Need for rheologically active, vasoactive and metabolically active substances in the initial treatment of acute acoustic trauma] Pilgramm M, et al. **HNO** 1986 Oct;34(10):424–8 (Eng. Abstr.) **(Ger)**
[Sudden death in soldiers of the Swiss Army and in members of the "Youth and Sports" organization (age group 15–40 years)] Ochs D, et al. **Schweiz Rundsch Med Prax** 1987 Jan 27;76(5):97–102 (Eng. Abstr.) **(Ger)**
[Orbital lymphangioma] Chen V, et al. **Harefuah** 1986 Nov 2;111(9):237–40 (Eng. Abstr.) **(Heb)**
[Thalassemia minor and iron deficiency anemia among Israeli soldiers] Rachmilewitz EA, et al. **Harefuah** 1986 May 1; 110(9):437–41 (Eng. Abstr.) **(Heb)**
[Conjunctival changes caused by the helium–neon laser] Carboni M, et al. **Riv Med Aeronaut Spaz** 1984 Oct–Dec; 51(4):95–100 (Eng. Abstr.) **(Ita)**
[Conjunctival changes caused by a helium–neon laser] Carboni M, et al. **Riv Med Aeronaut Spaz** 1984 Apr–Sep; 50(2–3):93–8 **(Ita)**
[Hygienic and medical problems in military camps and their impact on the national community] Rotondo G. **Riv Med Aeronaut Spaz** 1984 Oct–Dec;51(4):33–42 (Eng. Abstr.) **(Ita)**
[Knee problems in soldiers] Nordstrand K, et al. **Tidsskr Nor Laegeforen** 1987 Feb 10;107(4):360–2 (Eng. Abstr.) **(Nor)**
[Reconstruction and military medical personnel (editorial)] **Voen Med Zh** 1987 Mar;(3):3–6 **(Rus)**
[Giving more consideration to exercise therapy as an important method of rehabilitation treatment] **Voen Med Zh** 1987 May;(5):3–5 **(Rus)**
[Methodological approach to the diagnosis and treatment of maxillofacial wounds] Aleksandrov NM, et al. **Voen Med Zh** 1986 Aug;(8):14–6 **(Rus)**
[Internal regulation of the epidemic process and the problems of military epidemiology] Beliakov VD. **Voen Med Zh** 1986 Dec;(12):36–9 **(Rus)**
[Experience with promoting and supporting a healthy life style in the garrison] Bushuev VI, et al. **Voen Med Zh** 1987 Jan;(1):64–6 **(Rus)**
[Experience with introducing electroretinography into the practice of the hospital ophthalmological department] Chernysh VF. **Voen Med Zh** 1987 May;(5):67 **(Rus)**
[With gratitude in my heart] Chmurov IV. **Voen Med Zh** 1986 Dec;(12):19–20 **(Rus)**
[Role of the training in hygiene in the creation of healthy life style] Chvyrev VG, et al. **Voen Med Zh** 1987 Feb; (2):65–6 **(Rus)**
[Signs of the circulation of influenza A(HON1) virus among the general population and in military collectives] Degtiarev AA, et al. **Voen Med Zh** 1987 Mar;(3):38–41 **(Rus)**
[The arrangement of the wounded at the triage site] Drachko VF, et al. **Voen Med Zh** 1987 Mar;(3):21–4 **(Rus)**
[Blood pressure dynamics of tank crew members during occupational stress] Fomitskii VI. **Voen Med Zh** 1987 Jan; (1):63 **(Rus)**
[Increased effectiveness of the dynamic medical control over flight personnel] Frolov NI, et al. **Voen Med Zh** 1986 Nov; (11):38–40 **(Rus)**
[Prevention of eye injuries in a troop unit] Gaidai IuV, et al. **Voen Med Zh** 1986 Oct;(10):61–2 **(Rus)**
[Effect of stress during piloting of high performance aircraft (review of the literature)] Glod GD, et al. **Voen Med Zh** 1987 Feb;(2):43–5 (70 ref.) **(Rus)**
[A case of long–term presence of foreign bodies in the maxillary sinus] Golov IuG, et al. **Voen Med Zh** 1987 May; (5):68 **(Rus)**
[Prevention of athletic injuries in a military unit] Golov IuS. **Voen Med Zh** 1987 May;(5):59–61 **(Rus)**
[Medical control over exercises in physical training and sports in a military unit] Golov IuS. **Voen Med Zh** 1986 Nov; (11):52–4 **(Rus)**
[Features of the plaque–formation reaction in servicemen in their initial period of service] Gorbakov VV, et al. **Voen Med Zh** 1987 Jan;(1):69 **(Rus)**
[System of pathogenetic treatment of gas–forming wound infection in mine–explosion and gunshot wounds] Gritsanov AI, et al. **Voen Med Zh** 1987 Feb;(2):24–7 **(Rus)**

[Method of physician monitoring of the status of the cardiovascular system of servicemen during training for battle] Gudkov AI. **Voen Med Zh** 1987 Jan;(1):70 **(Rus)**

[Features of the dispensarization of ships' officers] Gura EI, et al. **Voen Med Zh** 1987 Jan;(1):45–6 **(Rus)**

[A method of health education work with regard to the prevention of poisoning by harmful industrial liquids] Ian'shin LA, et al. **Voen Med Zh** 1987 May;(5):57–8 **(Rus)**

[Use of an automated system in the diagnosis of ischemic heart disease at the pre-hospital stage] Kim VN, et al. **Voen Med Zh** 1987 Jan;(1):23–6 **(Rus)**

[Ambulatory mass screening for preventing and improving the outcome of acute pneumonia in military personnel] Kliachkin LM, et al. **Voen Med Zh** 1987 Feb;(2):18–21 **(Rus)**

[Use of synthetic cleaning agents for tableware] Kochenovskiĭ AF, et al. **Voen Med Zh** 1987 Apr;(4):54–5 **(Rus)**

[Prevention of substance dependence among military personnel] Kolupaev GP, et al. **Voen Med Zh** 1987 Apr;(4):56–8 **(Rus)**

[Tasks for further improving and refining the work of maintaining and promoting the health of military personnel] Komarov FI. **Voen Med Zh** 1987 Jan;(1):3–11 **(Rus)**

[Effect of health resort-climate therapy on the contractile capacity of the myocardium of ischemic heart disease patients] Komisarov VA, et al. **Voen Med Zh** 1987 Jan;(1):70 **(Rus)**

[Linear discriminant analysis in the system of the psychophysiological job selection and assignment of operators] Korobov RN, et al. **Voen Med Zh** 1987 Mar;(3):42–4 **(Rus)**

[Use of a mixture on the dimexide base in suppurative-inflammatory diseases of the skin and subcutaneous tissue in a Medical Regimental Unit] Koshcheev AG. **Voen Med Zh** 1987 Feb;(2):74 **(Rus)**

[Current status and problems of the occupational selection of servicemen] Kudrin ID, et al. **Voen Med Zh** 1986 Dec;(12):40–3 **(Rus)**

[Propagandizing the healthy life style on board the Smol'nyĭ training ship] Laskavyĭ VS, et al. **Voen Med Zh** 1986 Aug;(8):59–60 **(Rus)**

[Treatment of influenza and other acute respiratory diseases in a military unit] Likhopoenko VP. **Voen Med Zh** 1987 Feb;(2):61–3 **(Rus)**

[Suppurative surgical diseases among the personnel of foreign armies] Lushchitskiĭ MA, et al. **Voen Med Zh** 1987 Mar;(3):75–7 (28 ref.) **(Rus)**

[Characteristics of the clinical course of acute appendicitis in sailors on cruises in lower latitudes] Melekhov PA, et al. **Voen Med Zh** 1986 Sep;(9):46 **(Rus)**

[Correlation between various indicators of metabolism of microelements, vitamin C supply and immunologic protection of the body] Nasolodin VV, et al. **Voen Med Zh** 1987 May;(5):40–2 **(Rus)**

[Medical aspects of the use of body armor in foreign armies] Ozeretskovskiĭ LB, et al. **Voen Med Zh** 1986 Oct;(10):76–8 **(Rus)**

[Experience in conducting anti-alcohol measures in aviation units] Pakhomov AF, et al. **Voen Med Zh** 1986 Nov;(11):55–7 **(Rus)**

[Dependence of blood cellular reactions of pilots on the initial functional states of the body] Pashchenko PS. **Voen Med Zh** 1987 Mar;(3):45–7 **(Rus)**

[Current problems in the epidemiology and prevention of acute intestinal infections among the troops] Perepelkin VS, et al. **Voen Med Zh** 1986 Aug;(8):32–4 **(Rus)**

[Prevention of influenza and other acute respiratory diseases among the troops] Perepelkin VS. **Voen Med Zh** 1986 Nov;(11):32–4 **(Rus)**

[Evaluation of epidemiological effectiveness of preventive measures against acute intestinal infections] Poliakov LE, et al. **Voen Med Zh** 1987 Feb;(2):33–7 **(Rus)**

[Means of molding a healthy life style] Rebikov AP, et al. **Voen Med Zh** 1986 Sep;(9):59–60 **(Rus)**

[Assessment of the function of the hearing analyzer in the job selection of signalmen] Revskoĭ IuK, et al. **Voen Med Zh** 1986 Oct;(10):35–6 **(Rus)**

[Prevention and treatment of pyodermatitis in a military unit] Shaposhnikov OK, et al. **Voen Med Zh** 1987 Mar;(3):57–9 **(Rus)**

[Job selection of deep divers] Sheviakov IuV, et al. **Voen Med Zh** 1987 Mar;(3):48–9 **(Rus)**

[Morbidity among naval personnel and the factors promoting its increase during sea voyages] Shiriaev AD. **Voen Med Zh** 1987 Feb;(2):76–7 **(Rus)**

[Treatment of crural phlegmon by aspiration-irrigation drainage in a medical unit] Shkliaruk MV, et al. **Voen Med Zh** 1987 May;(5):66 **(Rus)**

[Method of training and the function of the body of participants in a protracted march across the Kara Kum] Uteshev AB, et al. **Voen Med Zh** 1986 Aug;(8):37–40 **(Rus)**

[Treatment of acne vulgaris in a military unit] Vorob'ev VM. **Voen Med Zh** 1987 Feb;(2):74 **(Rus)**

[Body function in exposure to the volatile components of turbine oils] Voronin VA, et al. **Voen Med Zh** 1986 Dec;(12):46–8 **(Rus)**

[Ulcerative pyoderma of the lower extremities in military personnel] Zaerko VV. **Voen Med Zh** 1986 Sep;(9):52–3 **(Rus)**

[Ways of improving living conditions of the families of military personnel in military settlements] Zakharchenko MP, et al. **Voen Med Zh** 1987 Feb;(2):40–2 **(Rus)**

[Prevention of microtrauma and its complications] Zhukoven' VF, et al. **Voen Med Zh** 1987 May;(5):66–7 **(Rus)**

[Regulation requirements of the Armed Forces of the USSR in protecting the health of servicemen] Zosimenko II. **Voen Med Zh** 1986 Oct;(10):56–7 **(Rus)**

[Prevention of foot mycoses in the garrison] Zuĭ GI, et al. **Voen Med Zh** 1987 Mar;(3):59–60 **(Rus)**

[Newly detected active tuberculosis in the respiratory organs in soldiers within the area of the Zagreb Military Dispensary for Pulmonary Diseases 1974–1985] Drakulić M, et al. **Vojnosanit Pregl** 1987 Jan–Feb;44(1):10–3 **(Scr)**

[Pneumonia in soldiers] Kurtović Z, et al. **Vojnosanit Pregl** 1987 Jan–Feb;44(1):38–40 **(Scr)**

[Study of local vibration and vascular changes in the upper extremity in the crew of armored vehicles] Petrović D, et al. **Vojnosanit Pregl** 1987 Jan–Feb;44(1):14–9 **(Scr)**

[The incidence of neurotic diseases in military personnel with special emphasis on soldiers] Plavljanić R. **Vojnosanit Pregl** 1986 Sep–Oct;43(5):343–6 (Eng. Abstr.) **(Scr)**

[Etiology of sporadic acute gastroenterocolitis in soldiers] Ropac D, et al. **Vojnosanit Pregl** 1987 May–Jun;44(3):189–93 (Eng. Abstr.) **(Scr)**

EDUCATION

Combat Lifesaver training: medical training for the non-medic. Fogarty JP, et al. **Milit Med** 1987 Jun;152(6):296–8

HISTORY

Landmark article, July 18, 1953: Coronary disease among United States soldiers killed in action in Korea. Preliminary report. By William F. Enos, Robert H. Holmes and James Beyer. **JAMA** 1986 Nov 28;256(20):2859–62

Landmark perspective: Coronary atherosclerosis in soldiers. A clue to the natural history of atherosclerosis in the young. Strong JP. **JAMA** 1986 Nov 28;256(20):2863–6

Vice-Admiral Lord Nelson's lost eye. Barras TC. **Trans Ophthalmol Soc UK** 1986;105 (Pt 3):351–5

[Saratov medics to the front] Ivanov NR, et al. **Voen Med Zh** 1986 Aug;(8):69–70 **(Rus)**

[Black Sea medics in the defense of Odessa] Polovinko VE, et al. **Voen Med Zh** 1986 Aug;(8):66–8 **(Rus)**

PSYCHOLOGY

Intergenerational occupational inheritance in the military: a reexamination. Bowen GL. **Adolescence** 1986 Fall;21(83):623–9

The healthy motivation to fly: no psychiatric diagnosis. Adams RR, et al. **Aviat Space Environ Med** 1987 Apr;58(4):350–4

Baseline and comparative neuropsychological data on U.S. Army aviators. Guilmette TJ, et al. **Aviat Space Environ Med** 1986 Oct;57(10 Pt 1):950–3

Motivational factors that affect the retention of reserve nurses in eight aeromedical evacuation flights. Janelli LM, et al. **Aviat Space Environ Med** 1987 Apr;58(4):375–8

A historical review of the fear of flying among aircrewmen. Strongin TS. **Aviat Space Environ Med** 1987 Mar;58(3):263–7 (32 ref.)

Bulimia: an uncommon problem in aircrewmen—a case report. Voge VM, et al. **Aviat Space Environ Med** 1987 Apr;58(4):347–9

Varieties of reaction and adaptation to combat experience. Belenky GL. **Bull Menninger Clin** 1987 Jan;51(1):64–79

Unmasking the illusion of safety. Psychic trauma in war. Shaw JA. **Bull Menninger Clin** 1987 Jan;51(1):49–63

The war sailor and KZ syndromes. Two closely related syndromes from a symptomatology point of view. Sjaastad O. **Funct Neurol** 1986 Jan–Mar;1(1):5–19

A model for crisis intervention with Israeli soldiers during compulsory military service [published erratum appears in Isr J Psychiatry Relat Sci 1986;23(2):106] Bleich A, et al. **Isr J Psychiatry Relat Sci** 1986;23(1):17–28

Conflictual areas in the interaction between the Israeli adolescent and compulsory military service—a possible source of crisis situations [published erratum appears in Isr J Psychiatry Relat Sci 1986;23(2):106] Chen E, et al. **Isr J Psychiatry Relat Sci** 1986;23(1):29–37

Risk factors in combat stress reaction—a study of Israeli soldiers in the 1982 Lebanon war [published erratum appears in Isr J Psychiatry Relat Sci 1986;23(2):106] Solomon Z, et al. **Isr J Psychiatry Relat Sci** 1986;23(1):3–8

Multidisciplinary evaluation of preschool children and its demography in a military psychiatric clinic. Lee BJ. **J Am Acad Child Adolesc Psychiatry** 1987 May;26(3):313–6

US Coast Guard collision at sea. McCaughey BG. **J Human Stress** 1985 Spring;11(1):42–6

Clinical observations concerning active duty veterans with post-Vietnam adjustment problems. McCaughey BG, et al. **J Psychol** 1987 Mar;121(2):159–68

Combat stress reactions, post traumatic stress disorder and somatic complaints among Israeli soldiers. Solomon Z, et al. **J Psychosom Res** 1987;31(1):131–7

Non-adaptability to basic training and the Millon Clinical Multiaxial Inventory. Butters M, et al. **Milit Med** 1986 Nov;151(11):574–6

Minnesota Multiphasic Personality Inventory profiles of enlisted Air Force and Army men arrested for driving while intoxicated: a comparison of single- and multiple-incident offenders. Hartz GW, et al. **Milit Med** 1987 Apr;152(4):187–9

Smoking habits of U.S. military personnel. Herbold JR. **Milit Med** 1987 Apr;152(4):194–5

Non-adaptability to basic training and the Millon Clinical Multiaxial Inventory [letter] Holmes NR. **Milit Med** 1987 Jun;152(6):330

Malingering in the military: understanding and treatment of the behavior. Mark M, et al. **Milit Med** 1987 May;152(5):260–2

[Simulation of mental disorders. 1. Psychopathologic and psychosociodynamic aspects in a military environment] Barrois C. **Ann Med Psychol (Paris)** 1986 Jan;144(1):1–26 (Eng. Abstr.) **(Fre)**

[Military-patriotic education of students in a department of traumatology, orthopedics and military field surgery] Iumashev GS, et al. **Ortop Travmatol Protez** 1987 Jan;(1):52–4 **(Rus)**

[Design of an algorithm for predicting successful performance of operators with little training selection] Khorishko AI, et al. **Voen Med Zh** 1987 Apr;(4):33–5 **(Rus)**

[The personality of alcoholic military officers as assessed by projective methods of studying the personality] Griva D, et al. **Vojnosanit Pregl** 1987 Jan–Feb;44(1):20–5 **(Scr)**

MILITARY PSYCHIATRY

Posttraumatic stress disorder among frontline soldiers with combat stress reaction: the 1982 Israeli experience. Solomon Z, et al. **Am J Psychiatry** 1987 Apr;144(4):448–54

Psychiatric disorders among United States Marines wounded in action in Vietnam. Palinkas LA, et al. **J Nerv Ment Dis** 1987 May;175(5):291–300

Psychiatric consultation to community-based military child protection teams. Small RH. **Milit Med** 1987 May;152(5):223–7

EDUCATION

Unique characteristics of Army psychiatry residency programs. Hales RE, et al. **Bull Menninger Clin** 1987 Jan;51(1):38–48

HISTORY

The Macy reports: Combat fatigue in World War II fliers. Jones DR. **Aviat Space Environ Med** 1987 Aug;58(8):807–11

TRENDS

U.S. Army psychiatry in Vietnam: preliminary findings of a survey. I. Background and method. Camp NM, et al. **Bull Menninger Clin** 1987 Jan;51(1):6–18

U.S. Army psychiatry in Vietnam: preliminary findings of a survey. II. Results and discussion. Camp NM, et al. **Bull Menninger Clin** 1987 Jan;51(1):19–37

UTILIZATION

Utilization of psychiatric consultation with an elderly medically ill inpatient population in a VA hospital. Rosse RB, et al. **Milit Med** 1986 Nov;151(11):583–6

MILITARY PSYCHOLOGY see **PSYCHOLOGY, MILITARY**

MILITARY SCIENCE

The arms race and the health needs of the developing countries. Poteliakhoff A. **Med War** 1987 Apr–Jun;3(2):101–9

Socioeconomic effects of the arms race. Sidel VW. **Prev Med** 1987 May;16(3):342–53

[Military training of medical personnel: ready reserves (editorial)] **Voen Med Zh** 1986 Dec;(12):3–6 **(Rus)**

MILK

Effect of a milk diet on rat gastric mucosa: receptor activity, histamine metabolism and ultrastructural analyses. Gespach C, et al. **Agents Actions** 1987 Apr;20(3–4):265–9

Primary adult lactose malabsorption in Italy: regional differences in prevalence and relationship to lactose intolerance and milk consumption. Cavalli-Sforza LT, et al. **Am J Clin Nutr** 1987 Apr;45(4):748–54

Northern hybridization analysis of RNA using diethylpyrocarbonate-treated nonfat milk. Siegel LI, et al. **Anal Biochem** 1986 Nov 15;159(1):82–7

Effects of diazepam and methocarbamol on EEG signs of "relaxation behavior" induced by milk slurping in cats. Cervantes M, et al. **Arch Invest Med (Mex)** 1985 Oct–Dec;16(4):337–48 **(Eng, Spa)**

Studies on the development of infant foods from plant protein sources. Part III. Preparation, processing and properties of various products developed. Khaleque A, et al. **Arch Latinoam Nutr** 1985 Dec;35(4):696–710

The effect of fluoridated chocolate-flavored milk on caries incidence in elementary school children: two and three-year studies. Legett BJ Jr, et al. **ASDC J Dent Child** 1987 Jan–Feb;54(1):18–21

Relationship between milk production and some blood constituents in Egyptian Baladi goats. Hassan GA, et al.

Beitr Trop Landwirtsch Veterinarmed 1986;24(2):213–9
Growth and development of rats artificially reared on rats' milk or rats' milk/milk-substitute combinations. Tonkiss J, et al. **Br J Nutr** 1987 Jan;57(1):3–11
The historical riddle of milk-borne scarlet fever. Wilson LG. **Bull Hist Med** 1986 Fall;60(3):321–42
Experimental intramammary inoculation with Mycoplasma bovis in vaccinated and unvaccinated cows: effect on milk production and milk quality. Boothby JT, et al. **Can J Vet Res** 1986 Apr;50(2):200–4
A preliminary note on the use of milk substitutes in the early weaning of dromedary camels. Elias E, et al. **Comp Biochem Physiol [A]** 1986;85(1):117–9
Olfactory influences on the ingestive behavior of infant rats. Terry LM, et al. **Dev Psychobiol** 1987 May;20(3):313–31
The serum insulin and plasma glucose responses to milk and fruit products in type 2 (non-insulin-dependent) diabetic patients. Gannon MC, et al. **Diabetologia** 1986 Nov; 29(11):784–91
Milk and the neonatal gut: comparative lessons to be learnt [editorial] Weaver LT. **Equine Vet J** 1986 Nov;18(6):427–9
Effect of tea and coffee consumption on non-haem iron absorption: some questions about milk. Farkas CS, et al. **Hum Nutr Clin Nutr** 1987 Mar;41(2):161–3
Validation of the deuterium dilution technique for the measurement of fluid intake in infants. Vio FR, et al. **Hum Nutr Clin Nutr** 1986 Sep;40(5):327–32
Effect of feeding induced milk on body growth of immature mice. Sinha SK, et al. **Indian J Exp Biol** 1986 Dec; 24(12):793–4
Nutrient intakes of older infants: effect of different milk feedings. Montalto MB, et al. **J Am Coll Nutr** 1986; 5(4):331–41
Milk clotting activity in bovine fetal abomasa. Pang SH, et al. **J Dairy Sci** 1986 Dec;69(12):3005–7
Genetics statistics and relationships of teat and udder traits, somatic cell counts, and milk production. Seykora AJ, et al. **J Dairy Sci** 1986 Sep;69(9):2395–407
Correlated response in feed efficiency accompanying selection for milk yield in Jerseys. Smothers CD, et al. **J Dairy Sci** 1986 Sep;69(9):2370–8
Health related aspects of milk and milk products: an introduction. Vasavada PC, et al. **J Dairy Sci** 1987 Feb; 70(2):381–2
Milk, milk products, and dental health. White CH. **J Dairy Sci** 1987 Feb;70(2):392–6 (31 ref.)
Estimating daily yields of cows milked three times a day. Wiggans GR. **J Dairy Sci** 1986 Nov;69(11):2935–40
Modification of food cariogenicity in rats by mineral-rich concentrates from milk. Harper DS, et al. **J Dent Res** 1987 Jan;66(1):42–5
Coprecipitation modulates the solubility of minerals in bovine milk. Nelson LS Jr, et al. **J Inorg Biochem** 1987 Mar; 29(3):173–9
Effect of milk on ipecac-induced emesis. Grbcich PA, et al. **J Pediatr** 1987 Jun;110(6):973–5
Serum osteocalcin concentrations in infancy: lower values in those fed cow milk formula versus breast feeding. Lichtenstein P, et al. **J Pediatr** 1987 Jun;110(6):910–1
Bone mineralization and growth in term infants fed soy-based or cow milk-based formula. Steichen JJ, et al. **J Pediatr** 1987 May;110(5):687–92
Studies on drug-milk freeze-dried formulations. I: Bioavailability of sulfamethizole and dicumarol formulations. Macheras PE, et al. **J Pharm Sci** 1986 Jul; 75(7):692–6
Advice about milk for infants and young children [editorial] **Lancet** 1987 Apr 11;1(8537):843–4
Calcium supplements: does the milkman know best? [editorial] **Lancet** 1987 Feb 14;1(8529):370
The milk option. An aspect of the history of the infant welfare movement in England 1898–1908. Dwork D. **Med Hist** 1987 Jan;31(1):51–69
Goat's milk and infant feeding [letter] Heston R. **Med J Aust** 1986 Mar 3;144(5):279
Estimation of circulating immune complexes following oral challenge with cow's milk in patients with IgA nephropathy. Sato M, et al. **Nephron** 1987;47(1):43–8
Teratogenicity for rat pups of meperidine administered postnatally, via breast milk. Brackbill Y. **Neurotoxicology** 1986 Summer;7(2):349–64
Plasma amino acid differences in very low birth weight infants fed either human milk or whey-dominant cow milk formula. Schanler RJ, et al. **Pediatr Res** 1987 Mar; 21(3):301–5
Effective reduction of lactose maldigestion in preschool children by direct addition of beta-galactosidases to milk at mealtime. Barillas C, et al. **Pediatrics** 1987 May; 79(5):766–72
Gastroduodenal motility in neonates: response to human milk compared with cow's milk formula. Tomomasa T, et al. **Pediatrics** 1987 Sep;80(3):434–8
Comparison of milk consumption and its contribution to total sugar intake in South African and other schoolchildren. Richardson BD, et al. **S Afr Med J** 1987 Apr 18;71(8):495–8
The proteolytic activity of milk fat, whey and casein for iodinated, extrinsic bovine IgG1, IgG2, SIgA and IgM. Frenyo VL, et al. **Vet Immunol Immunopathol** 1986 Nov; 13(3):227–38
Possible antibiotic contamination of milk [letter] Booth JM. **Vet Rec** 1986 Dec 20–27;119(25–26):634
Blood glucose and plasma insulin responses to fat free milk and low-lactose fat free milk in healthy human volunteers. Salminen E, et al. **Z Ernahrungswiss** 1987 Mar;26(1):52–5
[Lakton 1986] Jodl J. **Cesk Pediatr** 1986 Aug;41(8):487 **(Cze)**
[Transfer of radionuclides from forage plants into milk] Heeschen W. **DTW** 1987 Jun 9;94(6):364–7 (Eng. Abstr.) **(Ger)**
[Breeding of CL/Fr strain mice by human care] Suzuki S, et al. **Kokubyo Gakkai Zasshi** 1986 Sep;53(3):631–7 (Eng. Abstr.) **(Jpn)**
[Value of the alimentary factor in the prevention of iron deficiency conditions in young children] Fateeva EM, et al. **Vopr Pitan** 1986 Nov–Dec;(6):30–3 (Eng. Abstr.) **(Rus)**
[Microfloral changes in the small and large intestines of chronic enteritis patients on diet therapy including sour milk products] Sukhov SV, et al. **Vopr Pitan** 1986 Jul–Aug; (4):14–7 (Eng. Abstr.) **(Rus)**
[Possibility of fortifying milk nutrient mixtures for children with lactoglobulin against E. coli and Proteus] Zlatnik ElIu. **Vopr Pitan** 1986 Sep–Oct;(5):22–5 (Eng. Abstr.) **(Rus)**
[Iron deficiency anemia in unweaned infants: a prospective study] Jiménez E, et al. **Bol Med Hosp Infant Mex** 1987 Jun;44(6):309–15 (Eng. Abstr.) **(Spa)**
[Milk in the feeding of patients with peptic ulcer] Gaón D. **Medicina (B Aires)** 1987;47(1):93–100 (87 ref.) **(Spa)**
[Immunopotentiating activity of lactic bacteria administered by oral route. Favorable effect in infantile diarrheas] Perdigon G, et al. **Medicina (B Aires)** 1986;46(6):751–4 **(Spa)**

ADVERSE EFFECTS

Milk causes a rapid urticarial reaction on the skin of children with atopic dermatitis and milk allergy. Salo OP, et al. **Acta Derm Venereol (Stockh)** 1986;66(5):438–42
Infantile colic and type of milk feeding. Thomas DW, et al. **Am J Dis Child** 1987 Apr;141(4):451–3
Lactase insufficiency in Chinese children detected by oral milk and lactose challenge. Quak SH, et al. **Ann Trop Paediatr** 1987 Jun;7(2):100–3
Infantile colic and feeding [letter] Shaw NJ, et al. **Arch Dis Child** 1987 Jun;62(6):639–40
Infantile colic and feeding. Ståhlberg MR, et al. **Arch Dis Child** 1986 Dec;61(12):1232–3
Sudden infant death syndrome: a possible role for milk contaminating endotoxin? [letter] Fumarola D. **Boll Ist Sieroter Milan** 1986;65(6):567–8
Effect of milk on patients with duodenal ulcers. Kumar N, et al. **Br Med J [Clin Res]** 1986 Sep 13;293(6548):666
Gastrointestinal permeability in children with cow's milk allergy: effect of milk challenge and sodium cromoglycate as assessed with polyethyleneglycols (PEG 400 and PEG 1000). Fälth-Magnusson K, et al. **Clin Allergy** 1986 Nov; 16(6):543–51
Study of IgG sub-class antibodies in patients with milk intolerance. Shakib F, et al. **Clin Allergy** 1986 Sep; 16(5):451–8
Anaphylaxis to cutaneous exposure to milk protein in a diaper rash ointment. Jarmoc LM, et al. **Clin Pediatr (Phila)** 1987 Mar;26(3):154–5
Life-threatening gastrointestinal symptoms in infants allergic to cow's milk [letter] Casimir GJ, et al. **Eur J Pediatr** 1986 Aug;145(3):240–1
Influences of neonatal serum IgE concentration, family history and diet on the incidence of cow's milk allergy. Vandenplas Y, et al. **Eur J Pediatr** 1986 Dec;145(6):493–5
Cow's milk intolerance and abdominal surgery: a puzzling connection. Ventura A, et al. **Helv Paediatr Acta** 1987 Mar; 41(6):487–94
A standardized milk tolerance test. de Villiers FP. **J Clin Gastroenterol** 1987 Jun;9(3):320–3
Manifestations of milk allergy in infancy [letter] Burks AW. **J Pediatr** 1987 Mar;110(3):500
Morphometric studies and eosinophil cell counts in the duodenal mucosa of children with chronic nonspecific diarrhoea and cow's milk allergy. Challacombe DN, et al. **J Pediatr Gastroenterol Nutr** 1986 Nov–Dec;5(6):887–91
Fruit juice and flavoured milk: effects on enamel in an intra-oral model. Dever JG, et al. **NZ Dent J** 1987 Jan; 83(371):7–10
Infantile hypertrophic pyloric stenosis and cow's milk intolerance. Davanzo R, et al. **Pediatr Med Chir** 1987 Jan–Feb;9(1):77–80
Prospective appraisal of complaints of adverse reactions to foods in children during the first 3 years of life. Bock SA. **Pediatrics** 1987 May;79(5):683–8
Difficulty in initiating and maintaining sleep associated with cow's milk allergy in infants. Kahn A, et al. **Sleep** 1987 Apr;10(2):116–21
[The milk-alkali syndrome] Bengtsson J, et al. **Ugeskr Laeger** 1986 Aug 25;148(35):2228–9 (Eng. Abstr.) **(Dan)**
[Allergy to cow's milk in breast-fed infants] Hansen LG, et al. **Ugeskr Laeger** 1987 Mar 16;149(12):781–2 (Eng. Abstr.) **(Dan)**

ANALYSIS

Bovine beta-lactoglobulin in the human milk. A longitudinal study during the whole lactation period. Axelsson I, et al. **Acta Paediatr Scand** 1986 Sep;75(5):702–7
Variations of phylloquinone concentration in human milk at various stages of lactation and in cow's milk at various seasons. Fournier B, et al. **Am J Clin Nutr** 1987 Mar; 45(3):551–8
The effects of exercise on milk yield, milk composition, and offspring growth in rats. Treadway JL, et al. **Am J Clin Nutr** 1986 Oct;44(4):481–8
N-acetyl-beta-D-glucosaminidase activities, milk somatic cell counts, and blood leukocyte and erythrocyte counts in cows after heat-induced stress or after intravenous administration of adrenocorticotropic hormone. Berning LM, et al. **Am J Vet Res** 1987 Jul;48(7):1157–61
Elemental characterization of the National Bureau of Standards Milk Powder Standard Reference Material by instrumental and radiochemical neutron activation analysis [published erratum appears in Anal Chem 1987 Feb 15;59(4):688] Greenberg RR, et al. **Anal Chem** 1986 Oct; 58(12):2511–6
Rapid atomic spectrometric determination of sodium, potassium, calcium and magnesium in powdered milk by direct dispersion. de la Guardia M, et al. **Analyst** 1986 Dec; 111(12):1375–7
Measurements of ionic fluoride in milk. Latifah R, et al. **Ann Acad Med Singapore** 1986 Jul;15(3):299–304
Selection of milks with varying fat contents and related overall liking, attitudes, norms and intentions. Tuorila H. **Appetite** 1987 Feb;8(1):1–14
High aluminium content of infant milk formulas. Weintraub R, et al. **Arch Dis Child** 1986 Sep;61(9):914–6
beta-Lactoglobulin identified in marsupial milk. The primary structure, binding site and possible function of beta-lactoglobulin from eastern grey kangaroo (Macropus giganteus). Godovac-Zimmermann J, et al. **Biol Chem Hoppe Seyler** 1987 Jul;368(7):879–86
Rabbit antibodies against the folate binding protein from cow's milk. Production, characterization and use for development of an enzyme-linked immunosorbent assay (ELISA). Høier-Madsen M, et al. **Biosci Rep** 1986 Oct; 6(10):895–900
Level and distribution of progesterone in bovine milk: effects of mastitis and milk composition. Laitinen JT. **Br Vet J** 1986 Nov–Dec;142(6):562–8
The evaluation of a new rapid milk progesterone test as an aid to improving dairy herd fertility. Worsfold AI, et al. **Br Vet J** 1987 Jan–Feb;143(1):83–7
Milk progesterone concentrations following simultaneous administration of buserelin and cloprostenol in cattle with normal corpora lutea. White ME, et al. **Can J Vet Res** 1986 Apr;50(2):285–6
A comparison of the mineral composition of milk of domestic and captive wild equids (Equus przewalski, E. zebra, E. burchelli, E. caballus, E. assinus). Schryver HF, et al. **Comp Biochem Physiol [A]** 1986;85(2):233–5
Fatty acids in the milk of goats after cessation of lactation. Thompson GE, et al. **Comp Biochem Physiol [A]** 1986; 85(1):187–9
Proceedings of the international symposium. Hormones in milk: their physiological role. Bratislava, Czechoslovakia, Sept. 16–20, 1985. **Endocrinol Exp (Bratisl)** 1986 Aug; 20(2–3):97–334
Hexachlorobenzene contamination of milk and human samples. Nijhuis H, et al. **IARC Sci Publ** 1986;(77):133–7
Determination of lead and cadmium in milk by electrothermal atomic absorption spectrophotometry. Khalid N, et al. **Int J Environ Anal Chem** 1987;28(1–2):133–41
Mineral content of market samples of fluid whole milk. Pennington JA, et al. **J Am Diet Assoc** 1987 Aug; 87(8):1036–42
Composition and yield of milk from beef-type Bos taurus and Bos indicus X Bos taurus dams. Daley DR, et al. **J Anim Sci** 1987 Feb;64(2):373–84
Estrone concentration in sow milk during and after parturition. Farmer C, et al. **J Anim Sci** 1987 Apr; 64(4):1086–9
Composition of sow milk during lactation. Klobasa F, et al. **J Anim Sci** 1987 May;64(5):1458–66
Effect of energy level in lactating sows on yield and composition of milk and nutrient balance of piglets. Noblet J, et al. **J Anim Sci** 1986 Dec;63(6):1888–96
Bioautographic method for evaluation of glycopeptide actaplanin in milk. Bories GF, et al. **J Assoc Off Anal Chem** 1986 Nov–Dec;69(6):938–40
Lead, cadmium, and fluoride levels in market milk and infant formulas in Canada. Dabeka RW, et al. **J Assoc Off Anal Chem** 1987 Jul–Aug;70(4):754–7
Determination of aflatoxin M1 in milk and milk products contaminated at low levels. Dominguez L, et al. **J Assoc Off Anal Chem** 1987 May–Jun;70(3):470–2
Determination of depletion and statistical distribution of morantel-related residues in bovine milk following administration of morantel tartrate to dairy cows. Lynch MJ, et al. **J Assoc Off Anal Chem** 1986 Nov–Dec; 69(6):935–8
Liquid chromatographic determination and identification of morantel-related residues as precursors of 3-(3-methyl-2-thienyl) acrylic acid (CP-20,107) in bovine milk. Lynch MJ, et al. **J Assoc Off Anal Chem** 1986 Nov–Dec;69(6):931–5
Thin layer chromatographic confirmation of aflatoxin M1 extracted from milk. Serralheiro ML, et al. **J Assoc Off Anal Chem** 1986 Sep–Oct;69(5):886–8
Rapid liquid chromatographic determination of aflatoxins M1 and M2 in artificially contaminated fluid milks:

collaborative study. Stubblefield RD, et al. **J Assoc Off Anal Chem** 1986 Sep-Oct;69(5):880-5

Quantitative aqueous ammonium ion analysis by transmission infrared spectroscopy. van de Voort FR, et al. **J Assoc Off Anal Chem** 1986 Nov-Dec;69(6):924-8 (28 ref.)

Radioimmunoassay for measurement of bovine alpha-lactalbumin in serum, milk and tissue culture media. Akers RM, et al. **J Dairy Res** 1986 Aug;53(3):419-29

Effect of the protein, citrate and phosphate content of milk on formation of lactulose during heat treatment. Andrews GR, et al. **J Dairy Res** 1987 May;54(2):207-18

Effect of breed of cow (Friesian and Montbéliarde) on spontaneous and induced lipolysis in milk. Chazal MP, et al. **J Dairy Res** 1987 Feb;54(1):7-11

Effect of nature of forage on spontaneous lipolysis in milk from cows in late lactation. Chazal MP, et al. **J Dairy Res** 1987 Feb;54(1):13-8

Effect of temporary food or water deprivation on milk secretion and milk composition in the goat. Dahlborn K. **J Dairy Res** 1987 May;54(2):153-63

Optimization of porous glass chromatography for size-fractionation of bovine casein micelles. McNeill GP, et al. **J Dairy Res** 1987 Feb;54(1):19-28

Effect of subclinical mastitis on milk plasminogen and plasmin compared with that on sodium, antitrypsin and N-acetyl-beta-D-glucosaminidase. Schaar J, et al. **J Dairy Res** 1986 Nov;53(4):515-28

Pre partum milk fat secretion and concentrations of progestins, prostaglandin F2 alpha and oestrone sulphate in mammary fluid of the goat. Thompson GE, et al. **J Dairy Res** 1987 May;54(2):193-7

Variance-covariance components associated with trimester yields of milk and fat and multiple trait sire evaluation for trimester yields. Agyemang K, et al. **J Dairy Sci** 1985 May; 68(5):1233-40

Concentration of thyroid hormones and prolactin in dairy cattle serum and milk at three stages of lactation. Akasha MA, et al. **J Dairy Sci** 1987 Feb;70(2):271-6

Changes in macroingredients of guinea pig milk through lactation. Anderson RR, et al. **J Dairy Sci** 1986 Sep; 69(9):2268-77

Transport of the radioisotopes iodine-131, cesium-134, and cesium-137 from the fallout following the accident at the Chernobyl nuclear reactor into cheesemaking products. Assimakopoulos PA, et al. **J Dairy Sci** 1987 Jul; 70(7):1338-43

Use of 1 alpha-hydroxyvitamin D3 to prevent bovine parturient paresis. VI. Concentrations of vitamin D metabolites and vitamin D3 equivalence in milk. Bar A, et al. **J Dairy Sci** 1986 Nov;69(11):2810-4

Quality assessment of pasteurized fluid milk as related to lipopolysaccharide content. Bishop JR, et al. **J Dairy Sci** 1986 Dec;69(12):3002-4

Effects of neutral detergent fiber and roughage source on dry matter intake and milk yield and composition of dairy cows. Briceno JV, et al. **J Dairy Sci** 1987 Feb;70(2):298-308

Effects of feeding monensin sodium to lactating goats: milk composition and ruminal volatile fatty acids. Brown DL, et al. **J Dairy Sci** 1985 May;68(5):1141-7

Natural protective factors in bovine mammary secretions following different methods of milk cessation. Bushe T, et al. **J Dairy Sci** 1987 Mar;70(3):696-704

Physiological and pathological factors influencing bovine alpha-lactalbumin and beta-lactoglobulin concentrations in milk. Caffin JP, et al. **J Dairy Sci** 1985 May;68(5):1087-94

Excretion of deoxynivalenol and its metabolite in milk, urine, and feces of lactating dairy cows. Côté LM, et al. **J Dairy Sci** 1986 Sep;69(9):2416-23

Genetic parameters of milk yield and composition and their relationships with alternative breeding goals. de Jager D, et al. **J Dairy Sci** 1987 Jun;70(6):1258-66

Dietary fat and nitrogen composition of milk from lactating cows. DePeters EJ, et al. **J Dairy Sci** 1987 Jun; 70(6):1192-201

Comparison of some screening tests for detecting mastitis. Emanuelson U, et al. **J Dairy Sci** 1987 Apr;70(4):880-7

Influence of milk fat, milk solids, and light intensity on the light stability of vitamin A and riboflavin in lowfat milk. Gaylord AM, et al. **J Dairy Sci** 1986 Nov;69(11):2779-84

Performance of females heterozygous for deficiency of uridine monophosphate synthase. Healey MH, et al. **J Dairy Sci** 1987 May;70(5):945-51

Association of bovine lymphocyte antigens with milk fat percentage differences. Hines HC, et al. **J Dairy Sci** 1986 Dec;69(12):3148-50

Influence of niacin and whole cottonseed on intake, milk yield and composition, and systemic responses of dairy cows. Horner JL, et al. **J Dairy Sci** 1986 Dec; 69(12):3087-93

Mammary function during the nonlactating period: enzyme, lactose, protein concentrations, and pH of mammary secretions. Hurley WL. **J Dairy Sci** 1987 Jan;70(1):20-8

Effect of amount and source of dietary nitrogen on milk fat depression in early lactation dairy cows. Jaquette RD, et al. **J Dairy Sci** 1987 Jun;70(6):1202-10

One-step isolation of lactoferrin using immobilized monoclonal antibodies. Kawakami H, et al. **J Dairy Sci** 1987 Apr;70(4):752-9

Detection of bovine mastitis by bromothymol blue pH indicator test. Marschke RJ, et al. **J Dairy Sci** 1985 May; 68(5):1263-9

Comparison of on-farm laboratory milk progesterone assays for identifying errors in detection of estrus and diagnosis of pregnancy. Nebel RL, et al. **J Dairy Sci** 1987 Jul; 70(7):1471-6

Percentages of protein and nonprotein nitrogen with varying fat and somatic cells in bovine milk. Ng-Kwai-Hang KF, et al. **J Dairy Sci** 1985 May;68(5):1257-62

Prolactin in bovine milk near the time of calving and its relationship to premature induction of lactogenesis. Pennington JA, et al. **J Dairy Sci** 1985 May;68(5):1116-22

Effect of plate preincubation on Bacillus stearothermophilus disc assay zone diameters. Ryan JJ, et al. **J Dairy Sci** 1987 Jun;70(6):1148-51

Mineral content of milk, colostrum, and serum as affected by physiological state and mineral supplementation. Salih Y, et al. **J Dairy Sci** 1987 Mar;70(3):608-12

Effect of photoperiod on milk yield and milk fat in commercial dairy herds. Stanisiewski EP, et al. **J Dairy Sci** 1985 May;68(5):1134-40

Absence of detectable calmodulin in cows' milk by a modified gel electrophoresis method. Thompson MP, et al. **J Dairy Sci** 1987 Jun;70(6):1134-9

Variability in true protein, casein, nonprotein nitrogen, and proteolysis in high and low somatic cell milks. Verdi RJ, et al. **J Dairy Sci** 1987 Feb;70(2):230-42

Effects of persistency and production on the genetic parameters of milk and fat yield in Israeli-Holsteins. Weller JI, et al. **J Dairy Sci** 1987 Mar;70(3):672-80

Genetic evaluation of dairy goat does for milk and fat as an extension of buck evaluation. Weller JI, et al. **J Dairy Sci** 1987 Mar;70(3):681-6

Effects of days open on annualized milk yields in current and following lactations. Weller JI, et al. **J Dairy Sci** 1985 May;68(5):1241-9

Factors related to the light stability of vitamin A in various carriers. Zahar M, et al. **J Dairy Sci** 1987 Jan;70(1):13-9

Metabolic fate and elimination in milk, urine and bile of deoxynivalenol following administration to lactating sheep. Prelusky DB, et al. **J Environ Sci Health [B]** 1987 Apr; 22(2):125-48

Selenium content and distribution of human, cow and goat milk. Debski B, et al. **J Nutr** 1987 Jun;117(6):1091-7

Milk lipid synthesis and secretion during milk stasis in the rat. Grigor MR, et al. **J Nutr** 1986 Sep;116(9):1789-97

Lack of evidence for existence of vitamin D and 25-hydroxyvitamin D sulfates in human breast and cow's milk. Okano T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Oct;32(5):449-62

Urea concentration in collared peccary milk as an indicator of protein nutritional status. Lochmiller RL, et al. **J Wildl Dis** 1987 Jul;23(3):518-20

Evaluation of persons exposed to dairy products contaminated with heptachlor [letter] Stehr-Green PA, et al. **JAMA** 1986 Dec 26;256(24):3350-1

The presence of trans unsaturated fatty acids in ruminant meat and milk is unnatural. Booyens J. **Med Hypotheses** 1986 No ;21(3):249-52

Determination of antibiotic activities with the aid of luminous bacteria. Ulitzur S. **Methods Enzymol** 1986;133:275-84

Radioactivity in Austrian milk after the Chernobyl accident [letter] Haschke F, et al. **N Engl J Med** 1987 Feb 12; 316(7):409-10

Gastrointestinal absorption of calcium from milk and calcium salts. Sheikh MS, et al. **N Engl J Med** 1987 Aug 27; 317(9):532-6

Comparative determination of riboflavin in milk by HPLC and lumiflavin methods. Ribarova F, et al. **Nahrung** 1987; 31(1):77-9

1311 in milk and rain after Chernobyl [letter] Nishizawa K, et al. **Nature** 1986 Nov 27-Dec 3;324(6095):308

A high performance liquid chromatographic method for the fluorimetric determination of lactose, galactose and glucose in normal and abnormal milk of cows. Kowalski ZE, et al. **Onderstepoort J Vet Res** 1986 Dec;53(4):225-9

Early development in mice. IV: Quantity and gross composition of milk in five inbred strains. Ragueneau S. **Physiol Behav** 1987;40(4):431-5

Lactation in lean and obese rats: effect of cafeteria feeding and of dietary obesity on milk composition. Rolls BA, et al. **Physiol Behav** 1986;38(2):185-90

Maternal low-carbohydrate high-protein diet affects mandibular growth in diabetic newborn rats. Berry LR, et al. **Proc Soc Exp Biol Med** 1987 Jun;185(2):141-6

Characterization of a camel milk protein rich in proline identifies a new beta-casein fragment. Beg OU, et al. **Regul Pept** 1986 Aug;15(1):55-61

Demonstration of two types of plasminogen activators in human milk by SDS-PAGE copolymerizing fibrinogen and plasminogen: different variations of the activators in pueriperium. Horie N, et al. **Thromb Res** 1987 Mar 1; 45(5):703-7

Comparison of radioimmunoassay and enzyme-linked immunoassay for the measurement of progestogen in equine plasma and milk. Allen WE, et al. **Vet Rec** 1987 May 2; 120(18):429-31

Bovine somatotropin [letter] Blowey RW. **Vet Rec** 1987 Mar 7;120(10):238

Testing for antibiotic residues in milk. Booth JM, et al. **Vet Rec** 1986 Dec 6;119(23):565-9

Evaluation of an enzyme immunoassay kit for the qualitative assessment of progesterone in bovine milk samples. Davies J, et al. **Vet Rec** 1987 Feb 28;120(9):206-7

Oestrus prediction in dairy cows using an ELISA progesterone test. Eddy RG, et al. **Vet Rec** 1987 Jan 10; 120(2):31-4

Cow milk yield and composition before development of Escherichia coli mastitis. Jones TO, et al. **Vet Rec** 1986 Sep 27;119(13):319-21

Misuse of progesterone assay [letter] Murray RD. **Vet Rec** 1986 Oct 18;119(16):411

Milk prostaglandins and electrical conductivity in bovine mastitis. Atroshi F, et al. **Vet Res Commun** 1987;11(1):15-22

Vitamin E and selenium concentrations in milk and milkfractions. Deschuytere A, et al. **Z Lebensm Unters Forsch** 1987 May;184(5):385-7

Possible role of sialic acid in bovine mastitis with particular reference to milk electrical conductivity. Atroshi F, et al. **Zentralbl Veterinarmed [B]** 1986 Oct;33(8):620-7

[What possibilities does the milk-progesterone test in dairy cattle offer in clinical practice?] Coppens ML, et al. **Tijdschr Diergeneeskd** 1987 May 1;112(9):519-30 (Eng. Abstr.) **(Dut)**

[The occurrence of sulfa residues in unpasteurized farm milk] van Gend HW, et al. **Tijdschr Diergeneeskd** 1986 Oct 1; 111(19):920-2 (Eng. Abstr.) **(Dut)**

[Automated determination of 4,4'-diaminodiphenylsulfone (DDS) and acetyl metabolites (MADDS and DADDS) in milk with the FAST-LC system] Brinkman MB, et al. **Z Lebensm Unters Forsch** 1986 Aug;183(2):97-100 (Eng. Abstr.) **(Ger)**

[Studies on the metabolic fate of 14C-rokitamycin. III. Transmigration to fetus or milk] Suzuki T, et al. **Jpn J Antibiot** 1987 Mar;40(3):531-8 (Eng. Abstr.) **(Jpn)**

[Concentration of aluminum in human milk and milk formulae. Infants at risk for poisoning?] Lindemann R, et al. **Tidsskr Nor Laegeforen** 1987 Jan 10;107(1):66-7 (Eng. Abstr.) **(Nor)**

[Aflatoxin M1 in type B milk solid in the municipality of São Paulo, SP (Brazil)] Martins JL, et al. **Rev Saude Publica** 1986 Aug;20(4):303-8 (Eng. Abstr.) **(Por)**

[Patterns of redistribution of calcium and magnesium in the tissues of lactating white mice] Kisliakova LP, et al. **Fiziol Zh SSSR** 1986 Nov;72(11):1564-70 (Eng. Abstr.) **(Rus)**

[A peptide bioregulator from bovine kappa-casein] Stan ElA, et al. **Vopr Med Khim** 1987 Jan-Feb;33(1):111-5 (Eng. Abstr.) **(Rus)**

[Frequency of the contamination of milk available in the Valley of Mexico with streptomycin, tetracycline and penicillin] Cruz Alamilla M, et al. **Salud Publica Mex** 1986 Jul-Aug;28(4):438-42 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Effect of intramammary devices on the outcome of induced Escherichia coli infection of bovine mammary quarters. Bright SA, et al. **Am J Vet Res** 1987 Aug;48(8):1290-4

Flow cytofluorometric characterization of bovine blood and milk leukocytes. Hageltorn M, et al. **Am J Vet Res** 1986 Sep;47(9):2012-6

Inhibition of lacteal leukocyte phagocytosis by colostrum, nonlactating secretion, and mastitic milk. Targowski SP, et al. **Am J Vet Res** 1986 Sep;47(9):1940-5

Herd management and prevalence of mastitis in dairy herds with high and low somatic cell counts. Erskine RJ, et al. **J Am Vet Med Assoc** 1987 Jun 1;190(11):1411-6

Variation in N-acetyl-beta-D-glucosaminidase activity and somatic cell count among various milk fractions. Berning LM, et al. **J Dairy Sci** 1987 May;70(5):1054-60

Potential of somatic cell concentration in milk as a sire selection criterion to reduce mastitis in dairy cattle. Coffey EM, et al. **J Dairy Sci** 1986 Aug;69(8):2163-72

Genetic and phenotypic relationships between lactation cell counts and milk yield and composition of Holstein cows. Monardes HG, et al. **J Dairy Sci** 1985 May;68(5):1250-6

Examination of intramammary devices from infected and uninfected mammary quarters by scanning electron microscopy. Paape MJ, et al. **J Dairy Sci** 1987 May; 70(5):1045-53

Uptake of lymphocytes fed to suckling rats. An autoradiographic study of the transit of labeled cells through the neonatal gastric mucosa. Seelig LL Jr, et al. **J Reprod Immunol** 1987 Apr;10(4):285-97

The potential use of cell count linear scores in veterinary herd health and production control on dairy farms. A preliminary report. Noordhuizen JP, et al. **Vet Q** 1987 Jan; 9(1):60-6

[Milk cell count as a selection criterion in breeding dairy cattle with improved resistance to mastitis] Vecht U, et al. **Tijdschr Diergeneeskd** 1987 May 15;112(10):598-603 (Eng. Abstr.) **(Dut)**

[Cell count and cell pattern of udder secretion of cows before the dry period and at the beginning of the dry period] Hirsch HP. **Arch Exp Veterinarmed** 1987 Jan;41(1):1-6 (Eng. Abstr.) **(Ger)**

[In vitro phagocytosis of polymorphonuclear leukocytes of udder secretions before and after the dry period of cows] Hirsch HP. **Arch Exp Veterinarmed** 1987 Jan;41(1):7-11 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Use of polar aprotic solvents to release membranes from milk lipid globules. Dapper CH, et al. **J Dairy Sci** 1987 Apr; 70(4):760-5

Effect of various conditions on the formation of oligosaccharides in milk treated with beta-galactosidase. Kwak HS, et al. **J Dairy Sci** 1986 Nov;69(11):2785–90

Effects of chronic ethanol consumption on lactational performance in rat: mammary gland and milk composition and pups' growth and metabolism. Vilaró S, et al. **Pharmacol Biochem Behav** 1987 Jun;27(2):333–9

[Effect of reserpine on the lactose, iron and lactoferrin content of the milk of lactating rabbits] Mutafchiev D. **Eksp Med Morfol** 1987;26(2):35–9 (Eng. Abstr.) **(Bul)**

ENZYMOLOGY

Determination of lysozyme activity at low levels with emphasis on the milk enzyme. McKenzie HA, et al. **Anal Biochem** 1986 Sep;157(2):367–74

Studies on a trace cell lytic activity associated with alpha-lactalbumin. McKenzie HA, et al. **Biochem Int** 1987 Feb;14(2):347–56

Blood-group-related carbohydrate antigens are expressed on human milk galactosyltransferase and are immunogenic in rabbits. Childs RA, et al. **Biochem J** 1986 Sep 1; 238(2):605–11

Electronic probes of the mechanism of substrate oxidation by buttermilk xanthine oxidase: role of the active-site nucleophile in oxidation. Skibo EB, et al. **Biochemistry** 1987 Jun 2;26(11):3032–7

Bile salt-stimulated lipase in non-primate milk: longitudinal variation and lipase characteristics in cat and dog milk. Freed LM, et al. **Biochim Biophys Acta** 1986 Sep 12; 878(2):209–15

Extraction and determination of adenosine 5'-triphosphate in bovine milk by the firefly luciferase assay. Olsson T, et al. **Biotechnol Appl Biochem** 1986 Oct;8(5):361–9

Changes in N-acetyl-B-D-glucosaminidase and B-glucuronidase activities in milk during bovine mastitis. Nagahata H, et al. **Can J Vet Res** 1987 Jan;51(1):126–34

The effects of bovine serum albumin and oleic acid on rat pancreatic lipase and bovine milk lipoprotein lipase. Posner I, et al. **Comp Biochem Physiol [B]** 1987;87(1):137–41

A note on the use of the Catalasemetre in assessing the quality of milk. Phillips JD, et al. **J Appl Bacteriol** 1987 Mar; 62(3):223–6

Purification and characterization of lipoprotein lipase from human postheparin plasma and its comparison with purified bovine milk lipoprotein lipase. Hayashi R, et al. **J Biochem (Tokyo)** 1986 Aug;100(2):319–31

The radical chemistry of milk xanthine oxidase as studied by radiation chemistry techniques. Anderson RF, et al. **J Biol Chem** 1986 Dec 5;261(34):15870–6

A modified ultra high temperature treatment for reducing microbial lipolysis in stored milk. Bucky AR, et al. **J Dairy Res** 1987 May;54(2):275–82

Assay of proteinases of psychrotrophic bacteria in milk using hide powder azure and a simple procedure for clarification of milk. Stead D. **J Dairy Res** 1987 May;54(2):295–302

Effects of estradiol benzoate and estrus on N-acetyl-beta-D-glucosaminidase activity and somatic cell concentration in milk. Berning LM, et al. **J Dairy Sci** 1987 Jun;70(6):1302–6

Association of sulfhydryl oxidase and xanthine oxidase in bovine mammary tissue. Blakistone BA, et al. **J Dairy Sci** 1986 Nov;69(11):2803–9

Milk lipoprotein lipase distribution in the major fractions of bovine milk. Hohe KA, et al. **J Dairy Sci** 1985 May; 68(5):1067–73

Requirement for a sulfhydryl group for sulfhydryl oxidase activity. Song KB, et al. **J Dairy Sci** 1986 Oct; 69(10):2589–92

Effects of flavonoids on xanthine oxidation as well as on cytochrome c reduction by milk xanthine oxidase. Iio M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Dec;32(6):635–42

Regulation of plasmin activation in mastitic milk. Correlation with inflammatory markers and growth of Streptococcus agalactiae. Kaartinen L, et al. **Zentralbl Veterinarmed [B]** 1987 Feb;34(1):42–50

Milk antitrypsin, NAGase, plasmin and bacterial replication rate in whey. Effects of lactation stage, parity and daily milk yield. Mattila T, et al. **Zentralbl Veterinarmed [B]** 1986 Aug;33(6):462–70

IMMUNOLOGY

Contact urticaria to cow milk. Boso EB, et al. **Allergy** 1987 Feb;42(2):151–3

The two infant food formulae Pregestimil and Nutramigen used for feeding children allergic to cow's milk proteins [letter] Poulsen OM, et al. **Allergy** 1987 Feb;42(2):158

Endotoxin-induced bovine mastitis: immunoglobulins, phagocytosis, and effect of flunixin meglumine. Anderson KL, et al. **Am J Vet Res** 1986 Nov;47(11):2405–10

IgA purification from sow milk. Bernard S, et al. **Ann Rech Vet** 1986;17(1):85–8

The effects of mammalian milk/colostrum upon Trypanosoma brucei rhodesiense. Mulla AF, et al. **Ann Trop Med Parasitol** 1986 Aug;80(4):451–4

Penicillin in milk--its importance in urticaria. Ormerod AD, et al. **Clin Allergy** 1987 May;17(3):229–34

The metabolism and transport of bovine serum SIgA. Butler JE, et al. **Comp Immunol Microbiol Infect Dis** 1986; 9(4):303–15

Thyroid hormones and insulin in milk; a comparative study. Slebodziński AB, et al. **Endocrinol Exp (Bratisl)** 1986 Aug; 20(2–3):247–55

Bovine milk IgG, but not serum IgG, inhibits pokeweed mitogen-induced antibody secretion by human peripheral blood mononuclear cells. Kulczycki A Jr, et al. **J Clin Immunol** 1987 Jan;7(1):37–45

Bovine milk immunoglobulins for passive immunity to infantile rotavirus gastroenteritis. Brüssow H, et al. **J Clin Microbiol** 1987 Jun;25(6):982–6

The localization of the antibody response in milk or bile depends on the nature of the antigen. Dahlgren UI, et al. **J Immunol** 1987 Mar 1;138(5):1397–402

Use of bovine milk concentrate containing antibody to rotavirus to treat rotavirus gastroenteritis in infants. Hilpert H, et al. **J Infect Dis** 1987 Jul;156(1):158–66

The influence of immunity on raw milk--associated Campylobacter infection. Blaser MJ, et al. **JAMA** 1987 Jan 2;257(1):43–6

Dimeric M315 is transported into mouse and rat milk in a degraded form. Koertge TE, et al. **Mol Immunol** 1986 Aug; 23(8):839–45

IgG subclasses in milk intolerance. Shakib F. **Monogr Allergy** 1986;19:218–22

The association of extrinsic bovine IgG1, IgG2, SIgA and IgM with the major fractions and cells of milk. Frenyo VL, et al. **Vet Immunol Immunopathol** 1986 Nov; 13(3):239–54

Role of milk immunoglobulins in the Brucella milk ring test. Sutra L, et al. **Vet Microbiol** 1986 Nov;12(4):359–66

Cells of sow mammary secretions. III. Some properties of phagocytic cells. Schollenberger A, et al. **Zentralbl Veterinarmed [A]** 1986 Jul;33(5):353–9

Comparative isolation and characterization of secretory IgA immunoglobulin from sow milk. Dziaba K, et al. **Zentralbl Veterinarmed [B]** 1986 Nov;33(9):670–5

[Allergic reactions to non-homogenized milk and raw milk] Hansen LG, et al. **Ugeskr Laeger** 1987 Mar 30; 149(14):909–11 (Eng. Abstr.) **(Dan)**

[Diagnosis of enzootic bovine leukosis by the ELISA test of mixed and individual milk] Toma B, et al. **Ann Rech Vet** 1986;17(1):75–83 (Eng. Abstr.) **(Fre)**

[IBR/IPV serodiagnosis with ELISA methods in blood, single milk and bulk milk samples; control measures for maintaining normal cattle herds; eradication measures with reference to vaccination] Forschner E, et al. **DTW** 1986 Jul 23;93(7):328–35 (Eng. Abstr.) **(Ger)**

[Concentrating of leukosis antibodies in bulk milk (using a dialysis system) for study in an ELISA system] Pallesen U. **DTW** 1986 Jul 23;93(7):319–20 (Eng. Abstr.) **(Ger)**

[Specific IgE antibodies to cow's milk and individual cow's milk proteins in children with suspected allergy to cow's milk] Rzany B, et al. **Monatsschr Kinderheilkd** 1986 Nov; 134(11):799–803 (Eng. Abstr.) **(Ger)**

[Specific immunosuppression after peroral administration of antibodies] Sharmanov TSh, et al. **Vopr Pitan** 1986 Nov-Dec;(6):41–3 (Eng. Abstr.) **(Rus)**

[The specificity and sensitivity of some methods of determining Brucella antibodies in milk in comparison with the whey antiglobulin test (WAGT)] Mutlu N, et al. **Mikrobiyol Bul** 1986 Jul;20(3):184–9 (Eng. Abstr.) **(Tur)**

METABOLISM

Modification of sweet acidophilus milk to improve utilization by lactose-intolerant persons. McDonough FE, et al. **Am J Clin Nutr** 1987 Mar;45(3):570–4

Milk consumption, symptom response, and lactose digestion in milk intolerance. Rosado JL, et al. **Am J Clin Nutr** 1987 Jun;45(6):1457–60

Carbohydrate derived energy and gross energy absorption in preterm infants fed human milk or formula. De Curtis M, et al. **Arch Dis Child** 1986 Sep;61(9):867–70

Stomach emptying of milk diets in pigs. A mathematical model allowing description and comparison of the emptying pattern. Decuypere JA, et al. **Arch Tierernahr** 1986 Aug;36(8):679–96

Synthesis of milk specific fatty acids and proteins by dispersed goat mammary-gland epithelial cells. Hansen HO, et al. **Biochem J** 1986 Aug 15;238(1):167–72

The effect of goat milk fractions on synthesis of milk constituents by rabbit mammary explants and on milk yield in vivo. Evidence for autocrine control of milk secretion. Wilde CJ, et al. **Biochem J** 1987 Feb 15;242(1):285–8

Transfer of the tobacco-specific carcinogens N'-nitrosonornicotine and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone and benzo[a]pyrene into the milk of lactating rats. LaVoie EJ, et al. **Carcinogenesis** 1987 Mar;8(3):433–7

Chronic ethanol intake in lactating rats: milk analysis. Sanchis R, et al. **Comp Biochem Physiol [C]** 1986;85(1):107–10

Pharmacologic factors contributing to variance in the milk to plasma ratio for acetaminophen in the goat. Wilson JT, et al. **Dev Pharmacol Ther** 1987;10(1):60–72

Pharmacokinetic profile of tylosin in mastitic cows. el-Sayed MG, et al. **DTW** 1986 Jul 23;93(7):326–8

Mechanisms of transfer of steroid hormones and growth factors into milk. Heap RB, et al. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2–3):101–18

Processing of hormones and hormone-like substances from milk in the gastrointestinal tract of suckling rats. Koldovský O, et al. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2–3):119–30

Presence of luteinizing hormone releasing hormone (LHRH) in milk. Smith SS, et al. **Endocrinol Exp (Bratisl)** 1986 Aug; 20(2–3):147–53

Secretion of oestrone sulphate into milk. West DW, et al. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2–3):311–23

Double-blind study on the tolerance of four types of milk in lactose malabsorbers and absorbers. Cavalli-Sforza LT, et al. **Hum Nutr Clin Nutr** 1987 Jan;41(1):19–30

A risk analysis of hexachlorobenzene-related reproductive outcomes. Siegel-Scott C, et al. **IARC Sci Publ** 1986; (77):629–34

Effect of stage of lactation, stage of pregnancy, milk yield and herd management on seasonal variation in spontaneous lipolysis in bovine milk. Chazal MP, et al. **J Dairy Res** 1986 Nov;53(4):529–38

Bioavailability of iron in goat milk compared with cow milk fed to anemic rats. Park YW, et al. **J Dairy Sci** 1986 Oct; 69(10):2608–15

Maternal sodium intake does not affect postprandial sodium concentrations in human milk. Ereman RR, et al. **J Nutr** 1987 Jun;117(6):1154–7

Mineral utilization by rats fed various commercially available calcium supplements or milk. Greger JL, et al. **J Nutr** 1987 Apr;117(4):717–24

Zinc and copper in milk and tissues of nursing lethal milk mutant mice. Piletz JE, et al. **J Nutr** 1987 Jan;117(1):83–90

Comparative studies of selenium-75 (selenite and selenomethionine) absorption from various milk diets in suckling rats. Raghib MH, et al. **J Nutr** 1986 Aug; 116(8):1456–63

Lactation in the horse: the mineral composition of mare milk. Schryver HF, et al. **J Nutr** 1986 Nov;116(11):2142–7

Effects of dietary calcium and age on parathyroid hormone, calcitonin and serum and milk minerals in the periparturient dairy cow. Shappell NW, et al. **J Nutr** 1987 Jan; 117(1):201–7

Relative bioavailability of seleno-compounds in the lactating rat. Smith AM, et al. **J Nutr** 1987 Apr;117(4):725–31

Effect of maternal dietary linoleic acid and trans-octadecenoic acid on the fatty acid composition and prostaglandin content of rat milk. Wickwire MA, et al. **J Nutr** 1987 Feb;117(2):232–41

The effect of mastitis on milk progesterone concentration in dairy cows. Kassa T, et al. **Nord Vet Med** 1986 Nov-Dec; 38(6):352–9

Profiles of progesterone in milk and clinical ovarian findings in postpartum cows with ovarian dysfunctions. Kassa T, et al. **Nord Vet Med** 1986 Nov-Dec;38(6):360–9

Intrinsic labeling of bovine milk with enriched stable isotopes of zinc. Serfass RE, et al. **Proc Soc Exp Biol Med** 1987 Oct;186(1):113–7

Effect of disulfiram on milk transfer and tissue distribution of lead in the neonatal rat. Oskarsson A. **Toxicol Lett** 1987 Mar;36(1):73–9

Heat-stable (STa) enterotoxin of enterotoxigenic Escherichia coli: binding of the enterotoxin to coagulated milk and casein. Sriranganathan N, et al. **Vet Microbiol** 1987 Feb; 13(2):167–78

Genetic variation in milk acetone in Swedish dairy cows. Emanuelson U, et al. **Zentralbl Veterinarmed [A]** 1986 Oct; 33(8):600–8

[The transition of morantel in cow's milk following administration in the retard form, "Paratect Bolus" (Pfizer)] Leuenberger U, et al. **Z Lebensm Unters Forsch** 1987 May; 184(5):388–9 (Eng. Abstr.) **(Ger)**

[Milk progesterone test: instrument for fertility management in cattle] Holtz W, et al. **Zentralbl Veterinarmed [A]** 1986 Jul;33(5):321–36 (Eng. Abstr.) **(Ger)**

[Metabolic fate of 14C-isepamicin sulfate (14C-HAPA-B) in rats. III. Placental transfer and excretion into milk] Iwasaki M, et al. **Jpn J Antibiot** 1987 Jan;40(1):259–66 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Detection of bacterial spoilage in some fruit flavoured ultra-high temperature milks in Nigeria. Acheampong YB. **Afr J Med Med Sci** 1986 Mar-Jun;15(1–2):1–5

Campylobacter jejuni enteritis associated with raw goat's milk. Harris NV, et al. **Am J Epidemiol** 1987 Aug; 126(2):179–86

Thermal resistance of intracellular Listeria monocytogenes cells suspended in raw bovine milk. Bunning VK, et al. **Appl Environ Microbiol** 1986 Dec;52(6):1398–402

Method for flow cytometric detection of Listeria monocytogenes in milk. Donnelly CW, et al. **Appl Environ Microbiol** 1986 Oct;52(4):689–95

The effect of pasteurisation on bovine leucosis virus-infected milk. Chung YS, et al. **Aust Vet J** 1986 Nov;63(11):379–80

Isolation and identification of Mycoplasma agalactiae from mastitic goats in the Sudan. el Hassan SM, et al. **Br Vet J** 1986 May-Jun;142(3):289–90

Mastitis and milk production in cattle in a communal land of Zimbabwe. Perry BD, et al. **Br Vet J** 1987 Jan-Feb; 143(1):44–50

The resemblance of clinical attributes between mastitic cows with no growth on bacterial milk cultures and those with gram-positive bacteria cultured. White ME, et al. **Can J Vet Res** 1987 Apr;51(2):181–4

Campylobacter jejuni in dairy cows and raw milk. Humphrey TJ, et al. **Epidemiol Infect** 1987 Jun;98(3):263–9

Relationship between mastitis pathogen numbers in bulk tank milk and bovine udder infections in California dairy herds. Gonzalez RN, et al. **J Am Vet Med Assoc** 1986 Aug 15; 189(4):442–5

Enterobacteriaceae, coliforms, faecal coliforms and

salmonellas in raw ewes' milk. Gaya P, et al. **J Appl Bacteriol** 1987 Apr;62(4):321–6
Techniques for the optimum recovery of cold injured Campylobacter jejuni from milk or water. Humphrey TJ. **J Appl Bacteriol** 1986 Aug;61(2):125–32
Microflora associated with the internal surfaces of rubber and stainless steel milk transfer pipeline. Lewis SJ, et al. **J Appl Bacteriol** 1987 Apr;62(4):327–33
Numerical taxonomy of proteolytic psychrotrophs from Queensland raw milks. O'Connor RE, et al. **J Appl Bacteriol** 1986 Jul;61(1):25–38
Factors contributing to the seasonal variation of Bacillus spp. in pasteurized dairy products. Phillips JD, et al. **J Appl Bacteriol** 1986 Oct;61(4):275–85
A numerical taxonomic study of psychrotrophic bacteria associated with lipolytic spoilage of raw milk. Shelley AW, et al. **J Appl Bacteriol** 1987 Mar;62(3):197–207
Growth of lipolytic psychrotrophic pseudomonads in raw and ultra-heat-treated milk. Shelley AW, et al. **J Appl Bacteriol** 1986 Nov;61(5):395–400
The incidence of Yersinia enterocolitica and Yersinia enterocolitica-like organisms in raw and pasteurized milk in Northern Ireland. Walker SJ, et al. **J Appl Bacteriol** 1986 Aug;61(2):133–8
A note on the effect of the lactoperoxidase systems on salmonellas in vitro and in vivo. Wray C, et al. **J Appl Bacteriol** 1987 Feb;62(2):115–8
Influence of mastitis on growth of starter organisms used for the manufacture of fermented milks. Okello-Uma I, et al. **J Dairy Res** 1986 Nov;53(4):631–7
Effect of combined ultrasonic and heat treatment (thermoultrasonication) on the survival of a strain of Staphylococcus aureus. Ordoñez JA, et al. **J Dairy Res** 1987 Feb;54(1):61–7
Peptidases from two strains of Pseudomonas fluorescens: partial purification, properties and action on milk. Shamsuzzaman K, et al. **J Dairy Res** 1987 May;54(2):283–93
Comparison of a gelation and a chromogenic Limulus (LAL) assay for the detection of gram-negative bacteria, and the application of the latter assay to milk. Svensson A, et al. **J Dairy Res** 1987 May;54(2):267–73
Comparison of the heat resistance of bacterial lipases and proteases and the effect on ultra-high temperature milk quality. Christen GL, et al. **J Dairy Sci** 1986 Nov; 69(11):2769–78
In vitro growth of mastitis pathogens in mammary secretions of the dry and peripartum periods. Dutt KW, et al. **J Dairy Sci** 1986 Sep;69(9):2408–15
Physiological characteristics of Streptococcus dysgalactiae and Streptococcus uberis and the effect of the lactoperoxidase complex on their growth in a chemically-defined medium and milk. Mickelson MN, et al. **J Dairy Sci** 1985 May;68(5):1095–102
Influence of milk ultrafiltration on bacteriophages of lactic acid bacteria. Mistry VV, et al. **J Dairy Sci** 1986 Oct; 69(10):2577–82
Growth of gram-positive mastogenic bacteria in normal, simulated bulk tank, and mastitic milk held at simulated fluctuating temperatures of farm bulk tank. Oz HH, et al. **J Dairy Sci** 1986 Aug;69(8):2060–5
Resistance of Streptococcus lactis mutants to beta-lactam antibiotics. Parada JL, et al. **J Dairy Sci** 1986 Aug; 69(8):2031–7
Milk intolerance and microbe-containing dairy foods. Savaiano DA, et al. **J Dairy Sci** 1987 Feb;70(2):397–406 (39 ref.)
Yersinia enterocolitica in milk and dairy products. Schiemann DA. **J Dairy Sci** 1987 Feb;70(2):383–91 (67 ref.)
Comparison of dry culture medium and conventional plating techniques for enumeration of bacteria in pasteurized fluid milk. Senyk GF, et al. **J Dairy Sci** 1987 Jun;70(6):1152–8
Calcium alginate-immobilized cultures of lactic Streptococci are protected from bacteriophages. Steenson LR, et al. **J Dairy Sci** 1987 Jun;70(6):1121–7
A one-year study of endemic campylobacteriosis in a midwestern city: association with consumption of raw milk. Schmid GP, et al. **J Infect Dis** 1987 Jul;156(1):218–22
The prevalence of teat canal infections in lactating dairy cows as determined from foremilk and teat canal swab samples. du Preez JH. **J S Afr Vet Assoc** 1986 Dec;57(4):193–8
Complete nucleotide sequence of a milk-transmitted mouse mammary tumor virus: two frameshift suppression events are required for translation of gag and pol. Moore R, et al. **J Virol** 1987 Feb;61(2):480–90
The investigation of Brainerd diarrhea [letter] Walter CW. **JAMA** 1986 Dec 5;256(21):2963
Campylobacter jejuni infections [letter] Berkowicz J, et al. **Med J Aust** 1987 Jan 19;146(2):114–5
Proteolytic activity of lactic acid bacteria in skim milk with special reference to the biodegradation of casein fractions. Hegazi FZ. **Nahrung** 1987;31(1):19–26
Some features of coagulase positive staphylococci from bovine milk. II. Comparison of conventional techniques and the API Staph system. Erasmus JA, et al. **Onderstepoort J Vet Res** 1987 Jun;54(2):159–60
Non-sporing and sporing anaerobes in dairy products. Bergère JL, et al. **Soc Appl Bacteriol Symp Ser** 1986; 13:373–96 (110 ref.)
The role of micro-organisms in the dairy industry. Prentice GA, et al. **Soc Appl Bacteriol Symp Ser** 1986;15:43S–57S (67 ref.)
Occurrence of Listeria monocytogenes in raw milk. Fernandez Garayzabal JF, et al. **Vet Rec** 1987 Mar 14; 120(11):258–9
Excretion of S typhimurium from a cow's udder [letter] Giles N, et al. **Vet Rec** 1987 Jan 3;120(1):23
[Development and survival of Yersinia enterocolitica in pasteurized milk and ice cream] Slavchev G. **Vet Med Nauki** 1986;23(6):77–85 (Eng. Abstr.) **(Bul)**
[Bacteriological studies on Streptococcus agalactiae in milk samples] Rund J. **Arch Exp Veterinarmed** 1986 Jul; 40(4):587–90 (Eng. Abstr.) **(Ger)**
[Correlations between environmental contamination and microbiological quality of several milk-cheese products] Palmas F, et al. **Nuovi Ann Ig Microbiol** 1985 Sep-Oct; 36(5):351–9 (Eng. Abstr.) **(Ita)**
[Pathogenetic effect of strains of specific Escherichia coli serogroups on the development of mastitis in cows. II. Milk changes] Malinowski E. **Pol Arch Weter** 1984;24(2):187–203 (Eng. Abstr.) **(Pol)**
[Determination of Shigella sonnei in milk using the coagglutination reaction] Danilkin BK, et al. **Gig Sanit** 1987 Apr;(4):63–4 **(Rus)**
[Experimental basis of principles for creating microbiologic standards for food products for children during the 1st year of life] Kuvaeva IB, et al. **Vopr Pitan** 1987 Mar-Apr; (2):56–9 (Eng. Abstr.) **(Rus)**
[Nitrate-reducing microorganisms in milk products and human milk] Ulbu IaA, et al. **Vopr Pitan** 1986 Sep-Oct; (5):53–6 (Eng. Abstr.) **(Rus)**
[Isolation of a mutant of Streptococcus lactis resistant to penicillin] Parada JL, et al. **Rev Latinoam Microbiol** 1987 Jan-Mar;29(1):85–90 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

A possible physiological role of milk epidermal growth factor in neonatal eyelid opening. Tsutsumi O, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R376–9
Breast-milk-enhanced intestinal and somatic growth in neonatal rats. Berseth CL. **Biol Neonate** 1987;51(1):53–9
Effects of the hormone erythropoietin in milk on erythropoiesis in neonatal rats. Carmichael RD, et al. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2-3):167–88
Data suggesting that milk of early lactation period might be involved in sexual differentiation of rat brain. Kacsóh B, et al. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2-3):155–66
Perinatal thyroid activity in farm animals and the role of iodocompounds in maternal milk (minireview). Slebodziński AB. **Endocrinol Exp (Bratisl)** 1986 Aug; 20(2-3):229–46 (78 ref.)
Antimutagenic properties of lactic acid-cultured milk on chemical and fecal mutagens. Hosono A, et al. **J Dairy Sci** 1986 Sep;69(9):2237–42
Stimulation of intestinal epithelial cell proliferation in culture by growth factors in human and ruminant mammary secretions. Corps AN, et al. **J Endocrinol** 1987 May; 113(2):285–90
Alteration of the quality of milk by expression of sheep beta-lactoglobulin in transgenic mice. Simons JP, et al. **Nature** 1987 Aug 6-12;328(6130):530–2
Bacteriostatic activity of bovine lactoferrin in mastitic milk. Rainard P. **Vet Microbiol** 1987 Feb;13(2):159–66
The influence of the administration of sow's milk on the post-weaning excretion of hemolytic E. coli in the pig. Deprez P, et al. **Vet Res Commun** 1986 Nov;10(6):469–78
[New data on the biologically active factors in milk, their properties and specificity] Adigamov LF. **Vopr Pitan** 1986 Jul-Aug;(4):3–7 (40 ref.) **(Rus)**

RADIATION EFFECTS

Use of ultraviolet energy to degrade aflatoxin M1 in raw or heated milk with and without added peroxide. Yousef AE, et al. **J Dairy Sci** 1986 Sep;69(9):2243–7
[Effect of ultraviolet-irradiated milk on biochemical indices in the blood serum of calves] Filipov Zh, et al. **Vet Med Nauki** 1986;23(5):60–6 (Eng. Abstr.) **(Bul)**
[Passage of lanthanum through the milk of contaminated female animals into the offspring] Marciniak M, et al. **Rocz Panstw Zakl Hig** 1986;37(6):512–8 **(Pol)**

SECRETION

Suppression by perchlorate of technetium-99m and iodine-123 secretion in milk of lactating goats. Mountford PJ, et al. **J Nucl Med** 1987 Jul;28(7):1187–91
Diurnal regulation of milk lipid production and milk secretion in the rat: effect of dietary protein and energy restriction. Grigor MR, et al. **J Nutr** 1987 Apr;117(4):748–53
Effect of dietary protein and food restriction on milk production and composition, maternal tissues and enzymes in lactating rats. Grigor MR, et al. **J Nutr** 1987 Jul; 117(7):1247–58
Effects of removing milk from the mammary ducts and alveoli, or of diluting stored milk, on the rate of milk secretion in the goat. Henderson AJ, et al. **Q J Exp Physiol** 1987 Jan;72(1):13–9
[Decrease in the milk yield in cows caused by dipterous blood-sucking insects and the protection of heifers with Oxamate, a repellent, in the area of Leningrad] Minář J, et al. **Vet Med (Praha)** 1987 Jun;32(6):355–63 (Eng. Abstr.) **(Cze)**
[Bovine somatotropin (BST) (letter)] Grommers FJ. **Tijdschr Diergeneeskd** 1987 Jul 1;112(13):807 **(Dut)**

TOXICITY

Salmonella/microsome mutagenicity tests of heat-processed milk samples. Sekizawa J, et al. **Food Chem Toxicol** 1986 Sep;24(9):987–8
Low level lead exposure during lactation increases rough and tumble play fighting of juvenile rats. Holloway WR Jr, et al. **Neurotoxicol Teratol** 1987 Jan-Feb;9(1):51–7

MILK-ALKALI SYNDROME see **HYPERCALCEMIA**

MILK EJECTION see under **LACTATION**

MILK FACTOR see **MAMMARY CANCER VIRUS**

MILK FEVER, ANIMAL see **PARTURIENT PARESIS**

MILK, HUMAN

Growth and phosphorus metabolism in premature infants fed human milk, fortified human milk, or special premature formula. Use of serum procollagen as a marker of growth. Carey DE, et al. **Am J Dis Child** 1987 May;141(5):511–5
Infantile colic and type of milk feeding. Thomas DW, et al. **Am J Dis Child** 1987 Apr;141(4):451–3
Breast milk jaundice in premature infants. Lucas A, et al. **Arch Dis Child** 1986 Nov;61(11):1063–7
A comparative study of a premature infant formula and preterm breast milk for low birthweight infants. Tudehope DI, et al. **Aust Paediatr J** 1986 Aug;22(3):199–205
Effects of oral L-carnitine supplementation in low-birth-weight premature infants maintained on human milk. Melegh B, et al. **Biol Neonate** 1987;51(4):185–93
Postprandial thermogenesis in human milk-fed very low birth weight infants. Rubecz I, et al. **Biol Neonate** 1986; 49(6):301–6
Clinical uses, collection, and banking of human milk. Asquith MT, et al. **Clin Perinatol** 1987 Mar;14(1):173–85
Breastfeeding and human milk: their association with jaundice in the neonate. Auerbach KG, et al. **Clin Perinatol** 1987 Mar;14(1):89–107 (77 ref.)
Caloric value of breast milk. Chatterjee R, et al. **Indian Pediatr** 1986 Nov;23(11):921–4
Nutrient intakes of older infants: effect of different milk feedings. Montalto MB, et al. **J Am Coll Nutr** 1986; 5(4):331–41
A bacteriological examination of breast pumps. Moloney AC, et al. **J Hosp Infect** 1987 Mar;9(2):169–74
Late hypertriglyceridemia in very low birth weight infants fed human milk exclusively. Greer FR, et al. **J Pediatr** 1987 Sep;111(3):466–9
Bone mineralization in preterm infants fed human milk with and without mineral supplementation. Gross SJ. **J Pediatr** 1987 Sep;111(3):450–8
Indices of protein metabolism in term infants fed either human milk or formulas with reduced protein concentration and various whey/casein ratios. Janas LM, et al. **J Pediatr** 1987 Jun;110(6):838–48
AIDS and human milk bank closures [letter] Lucas A. **Lancet** 1987 May 9;1(8541):1092–3
Private fears, global loss: a cross-cultural study of the insufficient milk syndrome. Tully J, et al. **Med Anthropol** 1985 Summer;9(3):225–43
Pyloric stenosis associated with erythromycin ingested through breastmilk. Stang H. **Minn Med** 1986 Nov; 69(11):669–70, 682
Supplementation of pooled human milk with casein hydrolysate: energy and nitrogen balance and weight gain composition in very low birth weight infants. Putet G, et al. **Pediatr Res** 1987 May;21(5):458–61
Plasma amino acid differences in very low birth weight infants fed either human milk or whey-dominant cow milk formula. Schanler RJ, et al. **Pediatr Res** 1987 Mar; 21(3):301–5
Gastroduodenal motility in neonates: response to human milk compared with cow's milk formula. Tomomasa T, et al. **Pediatrics** 1987 Sep;80(3):434–8
Effect of temperature on the RF dielectric properties of human breast milk. Laogun AA. **Phys Med Biol** 1986 Aug; 31(8):893–900
[Should very low birth weight infants always be fed pooled human milk?] Salle B, et al. **Arch Fr Pediatr** 1987 Mar; 44(3):157–9 **(Fre)**
[Analytic studies of nitrogen for optimizing the nutrition of very premature infants by supplementation with breast milk] Plath C, et al. **Kinderarztl Prax** 1987 Jan;55(1):19–30 (Eng. Abstr.) **(Ger)**
[Collection and preservation of breast milk] Henker J. **Monatsschr Kinderheilkd** 1987 Apr;135(4):231–4 (Eng. Abstr.) **(Ger)**
[Nitrogen and lipid balances in newborn infants with low birth weight fed lyophilized breast milk of various composition] Melichar V, et al. **Padiatr Padol** 1986; 21(3):241–8 (Eng. Abstr.) **(Ger)**

ANALYSIS

Concentrations of thiopentone in mature breast milk and colostrum following an induction dose. Andersen LW, et al. **Acta Anaesthesiol Scand** 1987 Jan;31(1):30–2
Immunoextracted calcitonin in milk and plasma from totally thyroidectomized women. Evidence of monomeric calcitonin in plasma during pregnancy and lactation. Bucht

E, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):529–35
Organochlorine contaminants in human milk. Atuma SS, et al. **Acta Paediatr Scand** 1987 Mar;76(2):365–6
Bovine beta–lactoglobulin in the human milk. A longitudinal study during the whole lactation period. Axelsson I, et al. **Acta Paediatr Scand** 1986 Sep;75(5):702–7
Radioactivity in breast milk in central Italy in the aftermath of Chernobyl. Di Lallo D, et al. **Acta Paediatr Scand** 1987 May;76(3):530–1
Passage of gliadin into human breast milk. Troncone R, et al. **Acta Paediatr Scand** 1987 May;76(3):453–6
Macro– and trace–mineral intakes of exclusively breast–fed infants. Butte NF, et al. **Am J Clin Nutr** 1987 Jan;45(1):42–8
Docosahexaenoic acid status of preterm infants at birth and following feeding with human milk or formula. Carlson SE, et al. **Am J Clin Nutr** 1986 Dec;44(6):798–804
Studies in human lactation 3: molybdenum and nickel in human milk during the first month of lactation. Casey CE, et al. **Am J Clin Nutr** 1987 May;45(5):921–6
Variations of phylloquinone concentration in human milk at various stages of lactation and in cow's milk at various seasons. Fournier B, et al. **Am J Clin Nutr** 1987 Mar; 45(3):551–8
Influence of maternal selenium status on human milk selenium concentration and glutathione peroxidase activity. Mannan S, et al. **Am J Clin Nutr** 1987 Jul;46(1):95–100
Distribution of selenium in human milk. Milner JA, et al. **Am J Clin Nutr** 1987 Mar;45(3):617–24
Lipid composition and lipolytic activities in milk from a patient with homozygous familial hypobetalipoproteinemia. Wang CS, et al. **Am J Clin Nutr** 1987 Apr;45(4):730–6
Deuterium and oxygen–18 measurements on microliter samples of urine, plasma, saliva, and human milk. Wong WW, et al. **Am J Clin Nutr** 1987 May;45(5):905–13
Desipramine and 2–hydroxydesipramine in human breast milk and the nursing infant's serum. Stancer HC, et al. **Am J Psychiatry** 1986 Dec;143(12):1597–600
Routine determination of organochlorine pesticides and polychlorinated biphenyls in human milk using capillary gas chromatography–mass spectrometry. Seymour MP, et al. **Analyst** 1987 Apr;112(4):427–31
Measurements of ionic fluoride in milk. Latifah R, et al. **Ann Acad Med Singapore** 1986 Jul;15(3):299–304
Ferritin levels in human milk. Dempster WS, et al. **Ann Trop Paediatr** 1986 Sep;6(3):209–12
Inactivation of enveloped viruses and killing of cells by fatty acids and monoglycerides. Thormar H, et al. **Antimicrob Agents Chemother** 1987 Jan;31(1):27–31
Human milk vitamin content after pasteurisation, storage, or tube feeding. Van Zoeren–Grobben D, et al. **Arch Dis Child** 1987 Feb;62(2):161–5
High aluminium content of infant milk formulas. Weintraub R, et al. **Arch Dis Child** 1986 Sep;61(9):914–6
A comparative study of a premature infant formula and preterm breast milk for low birthweight infants. Tudehope DI, et al. **Aust Paediatr J** 1986 Aug;22(3):199–205
Selective changes in gangliosides of human milk during lactation: a molecular indicator for the period of lactation. Takamizawa K, et al. **Biochim Biophys Acta** 1986 Oct 24; 879(1):73–7
Fractionation of human milk oligosaccharides by high–performance liquid chromatography. Konami Y, et al. **Biol Chem Hoppe Seyler** 1987 Apr;368(4):309–14
Prostaglandins in human milk. Alzina V, et al. **Biol Neonate** 1986;50(4):200–4
Nefopam excretion in human milk. Liu DT, et al. **Br J Clin Pharmacol** 1987 Jan;23(1):99–101
Improved method for quantifying vitamin D in proprietary infants' formulas and in breast milk. Ballester I, et al. **Clin Chem** 1987 Jun;33(6):796–9
More on determination of total protein in human milk [letter] Verheul FE, et al. **Clin Chem** 1986 Oct;32(10):2003–4
A non–competitive enzyme immunoassay of human alpha–lactalbumin in biological fluids and tissue extracts. Simíčková M, et al. **Clin Chim Acta** 1987 Mar 30; 163(3):257–65
Breastfeeding the low birth weight preterm infant. Steichen JJ, et al. **Clin Perinatol** 1987 Mar;14(1):131–71 (239 ref.)
Gel electrophoretic analysis of proteins in human milk and colostrum. Montgomery PA, et al. **Comp Biochem Physiol [B]** 1987;86(4):635–9
Proteins in preterm and term milk from mothers delivering appropriate or small–for–gestational age infants. Pamblanco M, et al. **Early Hum Dev** 1986 Dec;14(3–4):267–72
Studies on LHRH and physiological fluid amino acids in human colostrum and milk. Nair RM, et al. **Endocrinol Exp (Bratisl)** 1987 Mar;21(1):23–30
Partial purification and characterization of epidermal growth factor in human breast milk. Hirata Y, et al. **Endocrinol Jpn** 1986 Aug;33(4):433–40
Roxithromycin bioassay procedures for human plasma, urine and milk specimens [corrected and issued with original paging in Eur J Clin Microbiol 1986 Dec;5(6)] Barry AL, et al. **Eur J Clin Microbiol** 1986 Oct;5(5):536–40
Verapamil and norverapamil in plasma and breast milk during breast feeding. Anderson P, et al. **Eur J Clin Pharmacol** 1987;31(5):625–7
To nurse when receiving acebutolol: is it dangerous for the neonate? Boutroy MJ, et al. **Eur J Clin Pharmacol** 1986; 30(6):737–9
Secretion of the gastrokinetic agent cisapride in human milk. Hofmeyr GJ, et al. **Eur J Clin Pharmacol** 1986;30(6):735–6
Hair trace metal concentration of pregnant women at term in comparison with blood and milk levels. Sikorski R, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Dec; 23(5–6):349–57
Breast milk composition and bile salt–stimulated lipase in well–nourished and under–nourished Nigerian mothers. Ginder J, et al. **Eur J Pediatr** 1987 Mar;146(2):184–6
Nicotine and cotinine concentrations in the milk of smoking mothers: influence of cigarette consumption and diurnal variation. Luck W, et al. **Eur J Pediatr** 1987 Jan;146(1):21–6
Differences between individuals in high–Mr glycoproteins from human mammary epithelia. Patton S, et al. **FEBS Lett** 1987 May 25;216(1):151–4
Levels and trends of chlorinated hydrocarbon contaminants in the breast milk of Canadian women. Mes J, et al. **Food Addit Contam** 1986 Oct–Dec;3(4):313–22
Survey of lead, cadmium and fluoride in human milk and correlation of levels with environmental and food factors. Dabeka RW, et al. **Food Chem Toxicol** 1986 Sep; 24(9):913–21
Human alpha–lactalbumin as a marker of macromolecular absorption. Jakobsson I, et al. **Gut** 1986 Sep;27(9):1029–34
Comparison of the fatty acid composition of human milk from mothers in Tanzania, Curacao and Surinam. Muskiet FA, et al. **Hum Nutr Clin Nutr** 1987 Mar;41(2):149–59
Protein composition of human milk in relation to mothers' weight and socioeconomic status. Sanchez–Pozo A, et al. **Hum Nutr Clin Nutr** 1987 Mar;41(2):115–25
Effect of storage on the creamatocrit and total energy content of human milk. Silprasert A, et al. **Hum Nutr Clin Nutr** 1987 Jan;41(1):31–6
Effect of vitamin A supplementation on plasma and breast milk vitamin A levels in poorly nourished Gambian women. Villard L, et al. **Hum Nutr Clin Nutr** 1987 Jan;41(1):47–58
Hexachlorobenzene in Tunisian mothers' milk, cord blood and foodstuffs. Jemaa Z, et al. **IARC Sci Publ** 1986; (77):139–42
Hexachlorobenzene contamination of milk and human samples. Nijhuis H, et al. **IARC Sci Publ** 1986;(77):133–7
Hexachlorobenzene in human milk: a polyhalogensted risk. Weisenberg E. **IARC Sci Publ** 1986;(77):193–200
Isolation of interleukin–1 from human milk. Söder O. **Int Arch Allergy Appl Immunol** 1987;83(1):19–23
Aflatoxin detected in human breast milk by immunoassay. Wild CP, et al. **Int J Cancer** 1987 Sep 15;40(3):328–33
A pilot study on levels of organochlorine compounds in human milk in Nigeria. Atuma SS, et al. **Int J Environ Anal Chem** 1986;26(3–4):187–92
The routine analysis of some specific isomers of polychlorinated biphenyl congeners in human milk. Mes J, et al. **Int J Environ Anal Chem** 1987;28(3):197–205
Breast milk content of 131I in a hypothyroid patient. Spencer RP, et al. **Int J Rad Appl Instrum [B]** 1986;13(5):585
Lipid and retinol contents in the milk of Egyptian mothers with normal and sick infants. Hussein L, et al. **Int J Vitam Nutr Res** 1987;57(1):3–10
A novel sialylfucopentaose in human milk. Presence of this oligosaccharide is not dependent on expression of the secretor or Lewis fucosyltransferases. Smith DF, et al. **J Biol Chem** 1987 Sep 5;262(25):12040–7
Determination of ivermectin in human plasma and milk by high–performance liquid chromatography with fluorescence detection. Chiou R, et al. **J Chromatogr** 1987 Apr 24;416(1):196–202
Flurbiprofen analysis in plasma and breast milk by high–performance liquid chromatography. Johnson VA, et al. **J Chromatogr** 1986 Oct 31;382:367–71
Simultaneous quantification of total medium– and long–chain fatty acids in human milk by capillary gas chromatography with split injection. van der Steege G, et al. **J Chromatogr** 1987 Mar 20;415(1):1–11
A glyco–phosphoprotein in human milk. Azuma N, et al. **J Dairy Res** 1987 May;54(2):199–205
Within–day variation of taurine and other nitrogen substances in human milk. Clark RM, et al. **J Dairy Sci** 1987 Apr; 70(4):776–80
Selenium content and distribution of human, cow and goat milk. Debski B, et al. **J Nutr** 1987 Jun;117(6):1091–7
Compartmentalization and quantitation of protein in human milk. Lönnerdal B, et al. **J Nutr** 1987 Aug;117(8):1385–95
Lack of evidence for existence of vitamin D and 25–hydroxyvitamin D sulfates in human breast and cow's milk. Okano T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Oct;32(5):449–62
Quantities of amino acids ingested by human milk–fed infants. Janas LM, et al. **J Pediatr** 1986 Nov;109(5):802–7
Comparison of the cholesteryl ester composition of human milk from preterm and term mothers. Bitman J, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep–Oct;5(5):780–6
Diurnal and within–feed variations in lipase activity and triglyceride content of human milk. Freed LM, et al. **J Pediatr Gastroenterol Nutr** 1986 Nov–Dec;5(6):938–42
Energy concentration of human milk estimated from 24–h pools and various abbreviated sampling schemes. Garza C, et al. **J Pediatr Gastroenterol Nutr** 1986 Nov–Dec; 5(6):943–8
Tocopherols in human milk: analytical method using high–performance liquid chromatography. Lammi–Keefe CJ. **J Pediatr Gastroenterol Nutr** 1986 Nov–Dec;5(6):934–7
Total nitrogen and electrolyte levels in colostrum and transition human milk. Ferlin ML, et al. **J Perinat Med** 1986;14(4):251–7
The characterization of sulphated metabolites of norethindrone in human milk after oral administration of contraceptive steroids. Sahlberg BL. **J Steroid Biochem** 1987 Apr;26(4):481–5
Identification and quantitation of free and conjugated steroids in milk from lactating women. Sahlberg BL, et al. **J Steroid Biochem** 1986 Sep;25(3):379–91
Organochlorine pesticides in human milk from different areas of Kenya 1983–1985. Kanja L, et al. **J Toxicol Environ Health** 1986;19(4):449–64
Infantile spasms on weaning from breast milk containing anticonvulsants [letter] Knott C, et al. **Lancet** 1987 Aug 1;2(8553):272–3
Atherogenesis. An epidemiological model based on the presence of unnatural trans and cis isomers of unsaturated fatty acids in the maternal diet and in mothers milk. Booyens J. **Med Hypotheses** 1986 Nov;21(3):323–33
Drugs and breast–feeding. Nation RL, et al. **Med J Aust** 1987 Mar 16;146(6):308–13
Radioactivity in Austrian milk after the Chernobyl accident [letter] Haschke F, et al. **N Engl J Med** 1987 Feb 12; 316(7):409–10
Effects of the components of breast milk on mucosal enzyme activity of the newborn small intestine. Jonas A, et al. **Pediatr Res** 1987 Feb;21(2):126–30
Low levels of prostaglandins in human milk after purification by high performance liquid chromatography. Ying C, et al. **Prostaglandins Leukotrienes Med** 1986 Oct; 24(2–3):207–18
Zuclopenthixol levels in serum and breast milk. Aaes–Jørgensen T, et al. **Psychopharmacology (Berlin)** 1986; 90(3):417–8
Polychlorobiphenyls (PCBs), polychlorodibenzo–p–dioxins (PCDDs) and polychlorodibenzofurans (PCDFs) in human milk, blood and adipose tissue. Jensen AA. **Sci Total Environ** 1987 Jul;64(3):259–93
Cadmium concentrations in milk and blood of smoking mothers. Radisch B, et al. **Toxicol Lett** 1987 Apr; 36(2):147–52
[Prognostic value of the pH of the milk of parturients with mastitis with respect to the course of the healing process] Pranchev N, et al. **Akush Ginekol (Sofiia)** 1987;26(3):38–41 (Eng. Abstr.) (Bul)
[Analysis of the major constituents of breast milk at different stages of lactation] Jiang WS. **Chung Hua Fu Chan Ko Tsa Chih** 1987 Jan;22(1):32–5, 62 (Eng. Abstr.) (Chi)
[Mineral composition of the milk of mothers of premature infants during early lactation] Hurgoiu V, et al. **Pediatrie** 1986 Sep;41(6):469–73 (Eng. Abstr.) (Fre)
[The concentration of oxacillin and ampicillin (Penstabil) in serum and mother's milk in puerperal mastitis] Peiker G, et al. **Pharmazie** 1986 Nov;41(11):793–5 (Eng. Abstr.) (Ger)
[Lead and cadmium values in the blood of parturients not exposed ocupationally, in neonatal blood and in maternal milk] Sartorelli E, et al. **Med Lav** 1986 Sep–Oct;77(5):515–8 (Eng. Abstr.) (Ita)
[Concentration of aluminum in human milk and milk formulae. Infants at risk for poisoning?] Lindemann R, et al. **Tidsskr Nor Laegeforen** 1987 Jan 10;107(1):66–7 (Eng. Abstr.) (Nor)
[Further studies of the presence and levels of trace elements in human milk in the Opole region] Lembrych S, et al. **Ginekol Pol** 1987 Feb;58(2):98–102 (Eng. Abstr.) (Pol)
[The level of polychlorinated insecticides in the milk of women in the puerperium from the Opole region] Lembrych S, et al. **Ginekol Pol** 1986 May;57(5):349–52 (Eng. Abstr.) (Pol)
[A protein related to the main core protein of the mouse mammary cancer virus in a microparticle fraction of human milk] Litvinov SV, et al. **Biull Eksp Biol Med** 1987 Mar; 103(3):338–40 (Eng. Abstr.) (Rus)
[Human lactoferrin: isolation of highly purified preparations from human milk, various physico–chemical properties and distribution in normal and tumor tissues] Iakubovskaia RI, et al. **Vopr Med Khim** 1986 Nov–Dec;32(6):75–9 (Eng. Abstr.) (Rus)
[Role of breast feeding in providing the newborn infant with thyroid hormones] Nabukhotnyĭ TK, et al. **Vopr Pitan** 1987 Jan–Feb;(1):29–31 (Eng. Abstr.) (Rus)
[Role of natural feeding in providing newborn infants with progesterone] Pavliuk VP. **Vopr Pitan** 1987 Mar–Apr; (2):26–8 (Eng. Abstr.) (Rus)
[Breast milk as a source of prostaglandin E for the newborn child] Pavliuk VP. **Vopr Pitan** 1987 May–Jun;(3):73–4 (Rus)
[Comparative study of human milk and adapted formulas] Muñoz Conde J, et al. **An Esp Pediatr** 1986 Oct;25 Suppl 26:7–11 (Spa)

CYTOLOGY

Lactoferrin inhibits prostaglandin E2 secretion by breast milk macrophages. Bartal I, et al. **Pediatr Res** 1987 Jan; 21(1):54–7
[Interaction in vitro of trophozoites of Entamoeba histolytica with macrophages from human colostrum] Rocha–Ramírez LM, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:307–12 (Eng. Abstr.) (Spa)

DRUG EFFECTS

Serum and human milk IgA and zinc concentration after successful renal transplantation. Grekas D, et al. **Biol Res Pregnancy Perinatol** 1986;7(3):118–20

Breastfeeding in the workplace. Rogan WJ. **State Art Rev Occup Med** 1986 Jul–Sep;1(3):411–3 (19 ref.)

Some observations on biological monitoring. Copplestone JF. **Toxicol Lett** 1986 Oct;33(1–3):203–4

ENZYMOLOGY

Immunoreactive anionic trypsin and anionic elastase in human milk. Borulf S, et al. **Acta Paediatr Scand** 1987 Jan; 76(1):11–5

Structure identification of the complex-type, asparagine-linked sugar chains of beta-D-galactosyl-transferase purified from human milk. Endo T, et al. **Carbohydr Res** 1986 Aug 1;150:241–63

Neoglycolipid micro-immunoassays applied to the oligosaccharides of human milk galactosyltransferase detect blood-group related antigens on both O- and N-linked chains. Tang PW, et al. **Carbohydr Res** 1987 Mar 15; 161(1):133–43

Bile-salt-stimulated lipase in human milk: evidence for its synthesis in the lactating mammary gland. Bläckberg L, et al. **FEBS Lett** 1987 Jun 8;217(1):37–41

[Lipolytic activity in human milk] Megyeri P, et al. **Orv Hetil** 1986 Sep 14;127(37):2239–41 (Eng. Abstr.) **(Hun)**

IMMUNOLOGY

Observations questioning a protective role for breast-feeding in severe rotavirus diarrhea. Glass RI, et al. **Acta Paediatr Scand** 1986 Sep;75(5):713–8

Anti-inflammatory properties of human milk. Goldman AS, et al. **Acta Paediatr Scand** 1986 Sep;75(5):689–95 (84 ref.)

Neutralizing activity in human milk fractions against respiratory syncytial virus. Laegreid A, et al. **Acta Paediatr Scand** 1986 Sep;75(5):696–701

The nutritional role of breast-milk IgA and lactoferrin. Prentice A, et al. **Acta Paediatr Scand** 1987 Jul;76(4):592–8

Local production of rotavirus specific IgA in breast tissue and transfer to neonates. Rahman MM, et al. **Arch Dis Child** 1987 Apr;62(4):401–5

Mucosal immunity: the immunology of breast milk. Slade HB, et al. **J Allergy Clin Immunol** 1987 Sep;80(3 Pt 1):348–58 (161 ref.)

Identification of a family of high molecular weight tumor-associated glycoproteins. Abe M, et al. **J Immunol** 1987 Jul 1;139(1):257–61

Membrane-disruptive effect of human milk: inactivation of enveloped viruses. Isaacs CE, et al. **J Infect Dis** 1986 Dec; 154(6):966–71

Specific secretory IgA in the milk of Giardia lamblia–infected and uninfected women. Nayak N, et al. **J Infect Dis** 1987 Apr;155(4):724–7

Mammary immunity in mothers of infants with respiratory syncytial virus infection. Nandapalan N, et al. **J Med Virol** 1987 Jul;22(3):277–87

Cytomegalovirus antibodies in breast milk and sera of mother–infant pairs. Kassim OO, et al. **J Trop Pediatr** 1987 Apr;33(2):75–7

Banked milk is low in immunologically protective proteins. **Nutr Rev** 1987 Feb;45(2):44–6

Immunoprotective factors in breast milk and sera of mother–infant pairs. Kassim OO, et al. **Trop Geogr Med** 1986 Dec;38(4):362–6

[Allergy to cow's milk in breast-fed infants] Hansen LG, et al. **Ugeskr Laeger** 1987 Mar 16;149(12):781–2 (Eng. Abstr.) **(Dan)**

[Infant feeding during the first year of life. The significance of breast milk in the prevention of allergy] Krasilnikoff PA. **Ugeskr Laeger** 1987 Feb 2;149(6):351–5 (Eng. Abstr.) **(Dan)**

[Immunity transferred by maternal milk to the premature infant] Fischer A. **Presse Med** 1987 Apr 4;16(12):564–5 **(Fre)**

[Varying rates of phagocytosis of human blood monocytes and breast milk macrophages: effect of intralipid and milk fat globules] Schroten H, et al. **Monatsschr Kinderheilkd** 1987 Jan;135(1):36–40 (Eng. Abstr.) **(Ger)**

[Search for possible routes of vertical infection of adult T-cell leukemia virus (ATLV): evidence of viral transmission from mother to child] Nakano S. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Dec; 38(12):2274–82 (Eng. Abstr.) **(Jpn)**

[Isolation of membrane antigens of mammary gland epithelial cells from membranes of human milk fat globules] Iakubovskaia RI, et al. **Vopr Med Khim** 1986 Sep–Oct; 32(5):36–41 (Eng. Abstr.) **(Rus)**

[Detection of class IgA antibodies directed against a lipopeptidophosphoglycan of E. histolytica in samples of human colostrum] Acosta-Altamirano G, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:291–5 (Eng. Abstr.) **(Spa)**

METABOLISM

LRH agonist buserelin as a post-partum contraceptive: lack of biological activity of buserelin in breast milk. Dewart PJ, et al. **Acta Endocrinol (Copenh)** 1987 Feb;114(2):185–92

Diurnal variations in folacin levels of human milk: use of a single sample to represent folacin concentration in milk during a 24-h period. Udipi SA, et al. **Am J Clin Nutr** 1987 Apr;45(4):770–9

Mexiletine use in pregnancy and lactation. Lownes HE, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):446–7

Effect of human milk folate binding protein on folate intestinal transport. Said HM, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):114–20

Carbohydrate derived energy and gross energy absorption in preterm infants fed human milk or formula. De Curtis M, et al. **Arch Dis Child** 1986 Sep;61(9):867–70

High plasma protein binding as a parameter in the selection of betablockers for lactating women. Riant P, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4579–81

Excretion of chloroquine, dapsone and pyrimethamine in human milk. Edstein MD, et al. **Br J Clin Pharmacol** 1986 Dec;22(6):733–5

Passage of paracetamol into breast milk and its subsequent metabolism by the neonate. Notarianni LJ, et al. **Br J Clin Pharmacol** 1987 Jul;24(1):63–7

Excretion of chloroquine and desethylchloroquine in human milk. Ogunbona FA, et al. **Br J Clin Pharmacol** 1987 Apr; 23(4):473–6

Excretion of trazodone in breast milk. Verbeeck RK, et al. **Br J Clin Pharmacol** 1986 Sep;22(3):367–70

Characteristics of ferritins in human milk secretions: similarities to serum and tissue isoferritins. Arosio P, et al. **Clin Chim Acta** 1986 Dec 15;161(2):201–8

The significance of drugs in breast milk. Pharmacokinetic considerations. Rivera-Calimlim L. **Clin Perinatol** 1987 Mar;14(1):51–70 (55 ref.)

The pharmacokinetics of antiarrhythmic agents in pregnancy and lactation. Mitani GM, et al. **Clin Pharmacokinet** 1987 Apr;12(4):253–91 (178 ref.)

ICMR Task Force Study on hormonal contraception. Biological activity of ethinyl estradiol present in the breast milk. Betrabet SS, et al. **Contraception** 1986 Aug; 34(2):169–75

ICMR task force study on hormonal contraception. Transfer of levonorgestrel (LNG) administered through different drug delivery systems from the maternal circulation into the newborn infant's circulation via breast milk. Shikary ZK, et al. **Contraception** 1987 May;35(5):477–86

Lidocaine excretion in breast milk [published erratum appears in Drug Intell Clin Pharm 1986 Dec;20(12):987] Zeisler JA, et al. **Drug Intell Clin Pharm** 1986 Sep;20(9):691–3

Composition of early human milk of Kenyan mothers of preterm and term infants. Jitta JN, et al. **East Afr Med J** 1986 Nov;63(11):693–8

Human milk does not degrade TRH. Angyal R, et al. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2–3):143–6

Prolactin binding protein in human milk. Clandinin MT, et al. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2–3):209–15

Prostaglandins in breast milk. Friedman Z. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2–3):285–91

Calcidiol in human milk. The effect of prohormone on vitamin D status of breast fed unsupplemented infants. Le Boulch N, et al. **Endocrinol Exp (Bratisl)** 1986 Aug; 20(2–3):325–8

Is orally-derived epidermal growth factor beneficial following premature birth or intestinal resection? Read LC, et al. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2–3):199–207

Does breast feeding mitigate short-term and long-term manifestations of congenital hypothyroidism? (Review). Tenore A. **Endocrinol Exp (Bratisl)** 1986 Aug; 20(2–3):267–84

Concentrations and origin of oxytocin in breast milk. Takeda S, et al. **Endocrinol Jpn** 1986 Dec;33(6):821–6

Excretion of gold into human breast milk. Ostensen M, et al. **Eur J Clin Pharmacol** 1986;31(2):251–2

Effect of alpha-methyldopa excreted in human milk on the breast-fed infant. Hauser GJ, et al. **Helv Paediatr Acta** 1985 Apr;40(1):83–6

Neonatal hypercalcemia in preterm infants fed with human milk. Sann L, et al. **Helv Paediatr Acta** 1985 Jul; 40(2–3):117–26

Drugs in lactation. MacKintosh DA. **Indian J Pediatr** 1986 Jan–Feb;53(1):53–60

Ferritin in breast milk of black urban and rural mothers. van der Westhuyzen J, et al. **Int J Vitam Nutr Res** 1986; 56(3):287–9

Amitriptyline excretion in human milk [letter] Pittard WB 3d, et al. **J Clin Psychopharmacol** 1986 Dec;6(6):383–4

Synergistic stimulation of Swiss mouse 3T3 fibroblasts by epidermal growth factor and other factors in human mammary secretions. Corps AN, et al. **J Endocrinol** 1987 Jan;112(1):151–9

Radiation dosimetry from breast milk excretion of iodine-123 [letter] Blue PW, et al. **J Nucl Med** 1987 Apr;28(4):544–5

Radiation dosimetry from breast milk excretion of radioiodine and pertechnetate. Hedrick WR, et al. **J Nucl Med** 1986 Oct;27(10):1569–71

Protein quantity and quality in term and preterm infants: effects on urine creatinine and expression of amino acid excretion data [letter] Manz F. **J Pediatr Gastroenterol Nutr** 1986 Sep–Oct;5(5):830–1

Growth, biochemical status, and mineral metabolism in very-low-birth-weight infants receiving fortified preterm human milk. Modanlou HD, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep–Oct;5(5):762–7

Factors affecting the milk-to-plasma drug concentration ratio in lactating women: physical interactions with protein and fat. Fleishaker JC, et al. **J Pharm Sci** 1987 Mar; 76(3):189–93

Lactation and reproduction in Western Australian women. Hartmann PE. **J Reprod Med** 1987 Jul;32(7):543–7

Excretion of radioactivity in breast milk following injection of 99Tcm-DTPA. Mountford PJ, et al. **Nucl Med Commun** 1985 Jun;6(6):341–5

Products of lipolysis in human milk destroy parasites. **Nutr Rev** 1987 Aug;45(8):236–8 (8 ref.)

Unexpected accumulation of acyclovir in breast milk with estimation of infant exposure. Lau RJ, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):468–71

Lactational capacity of marginally nourished mothers: relationships between maternal nutritional status and quantity and proximate composition of milk. Brown KH, et al. **Pediatrics** 1986 Nov;78(5):909–19

American Academy of Pediatrics Committee on Nutrition: Report needs clarification [letter] Kafka HL. **Pediatrics** 1978 Jan;61(1):153–4

Smoking and passive smoking during pregnancy and early infancy: effects on birth weight, lactation period, and cotinine concentrations in mother's milk and infant's urine. Schwartz-Bickenbach D, et al. **Toxicol Lett** 1987 Jan; 35(1):73–81

[Fluoride and breast feeding (letter)] Caldera R, et al. **Arch Fr Pediatr** 1987 May;44(5):395 **(Fre)**

[Elimination kinetics of organochlorine compounds in the 1st week of breast feeding] Klein D, et al. **Food Chem Toxicol** 1986 Aug;24(8):869–73 (Eng. Abstr.) **(Fre)**

[Detection of caffeine, theophylline and theobromine in the umbilical cord blood and breast milk] Bucher HU, et al. **Helv Paediatr Acta** 1985 Jul;40(2–3):163–7 (Eng. Abstr.) **(Ger)**

[Vitamin C concentrations in maternal plasma, amniotic fluid, umbilical cord blood, the plasma of newborn infants, colostrum and transitory and mature breast milk] Heinz-Erian P, et al. **Padiatr Padol** 1987;22(2):163–78 (Eng. Abstr.) **(Ger)**

[Trace elements in human milk. II. Pb, Cr, Ni, Co and Mn] Lembrych S, et al. **Ginekol Pol** 1986 Apr;57(4):271–5 (Eng. Abstr.) **(Pol)**

[Trace elements in human milk. I. Cu, Zn, Mg and Fe] Lembrych S, et al. **Ginekol Pol** 1986 Apr;57(4):265–70 (Eng. Abstr.) **(Pol)**

[Zinc and copper levels in human milk during the first week after labor] Jendryczko A, et al. **Pediatr Pol** 1986 Sep; 61(9):559–62 (Eng. Abstr.) **(Pol)**

[Excretion of antimicrobial agents through maternal milk] Martin Fontelos P. **Rev Sanid Hig Publica (Madr)** 1986 Nov-Dec;60(11–12):1217–21 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Bacterial growth in refrigerated human milk. Sosa R, et al. **Am J Dis Child** 1987 Jan;141(1):111–2

Characterization of hepatitis B e antigen from human breast milk. Lin JY, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1986 Feb;19(1):81–9

Isolation of Coxiella burnetii from human sources. Prasad BN, et al. **Int J Zoonoses** 1986 Jun;13(2):112–7

Possible transmission of methicillin-resistant Staphylococcus aureus by expressed human breast milk [letter] Lemoine L. **J Hosp Infect** 1987 Jan;9(1):93–4

Human milk kills Giardia lamblia by generating toxic lipolytic products. Reiner DS, et al. **J Infect Dis** 1986 Nov; 154(5):825–32

Gram-negative bacilli in human milk feedings: quantitation and clinical consequences for premature infants. Botsford KB, et al. **J Pediatr** 1986 Oct;109(4):707–10

Transmission of adult T-cell leukemia retrovirus (HTLV-I) from mother to child: comparison of bottle- with breast-fed babies. Ando Y, et al. **Jpn J Cancer Res** 1987 Apr; 78(4):322–4

Prevention of HTLV-I transmission through the breast milk by a freeze-thawing process. Ando Y, et al. **Jpn J Cancer Res** 1986 Oct;77(10):974–7

Milk-borne transmission of HTLV-I from carrier mothers to their children. Kinoshita K, et al. **Jpn J Cancer Res** 1987 Jul;78(7):674–80

HIV infection and pasteurisation of breast milk [letter] Eglin RP, et al. **Lancet** 1987 May 9;1(8541):1093

[A study on CMV shedding in 247 cases of breast milk] Wu J, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Mar; 18(1):52–5 (Eng. Abstr.) **(Chi)**

[Transmission of HIV (Human Immunodeficiency Virus) from mother to child. Apropos of 16 cases] Berrebi A, et al. **Rev Fr Gynecol Obstet** 1987 Jan;82(1):25–8 (Eng. Abstr.) **(Fre)**

[Microflora in human milk samples] Nikodemusz I. **Nahrung** 1986;30(9):901–6 (Eng. Abstr.) **(Ger)**

[Nitrate-reducing microorganisms in milk products and human milk] Ulbu IaA, et al. **Vopr Pitan** 1986 Sep–Oct; (5):53–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Killing of Giardia lamblia by human milk is mediated by unsaturated fatty acids. Rohrer L, et al. **Antimicrob Agents Chemother** 1986 Aug;30(2):254–7

Special properties of human milk. Garza C, et al. **Clin Perinatol** 1987 Mar;14(1):11–32 (107 ref.)

Epidermal growth factor in human milk and the effects of systemic EGF injection on intestinal calcium transport in suckling rats. Greene HL, et al.
Endocrinol Exp (Bratisl) 1986 Aug;20(2-3):189-98
Giardia lamblia: the role of conjugated and unconjugated bile salts in killing by human milk. Gillin FD.
Exp Parasitol 1987 Feb;63(1):74-83
Intestinal mucus protects Giardia lamblia from killing by human milk. Zenian AJ, et al. **J Protozool** 1987 Feb; 34(1):22-6
[Nutrition of small premature infants with FM85: energy, protein and mineral-supplemented breast milk] Tönz O, et al. **Monatsschr Kinderheilkd** 1986 Dec;134(12):885-7 **(Ger)**

RADIATION EFFECTS

[Obstetric aspects of radiation exposure following the Chernobyl accident] Lechner W, et al.
Wien Klin Wochenschr 1986 Dec 5;98(23):803-5 (Eng. Abstr.) **(Ger)**

SECRETION

Infant self-regulation of breast milk intake. Dewey KG, et al. **Acta Paediatr Scand** 1986 Nov;75(6):893-8
[Effect of various methods of promoting the secretion of breast milk] Zhang RY, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Feb;7(2):89-90, 69 (Eng. Abstr.) **(Chi)**
[1981-1983 breast feeding studies of 1,500 mothers in Dortmund and Haltern. II. Volume of breast milk in the maternity ward] Kersting M, et al.
Monatsschr Kinderheilkd 1987 May;135(5):247-52 (Eng. Abstr.) **(Ger)**

MILK PROTEINS

ADMINISTRATION & DOSAGE

Milk protein intake in the term infant. I. Metabolic responses and effects on growth. Räihä N, et al.
Acta Paediatr Scand 1986 Nov;75(6):881-6
Milk protein intake in the term infant. II. Effects on plasma amino acid concentrations. Räihä N, et al.
Acta Paediatr Scand 1986 Nov;75(6):887-92
Indices of protein metabolism in term infants fed either human milk or formulas with reduced protein concentration and various whey/casein ratios. Janas LM, et al. **J Pediatr** 1987 Jun;110(6):838-48
Protein quality in feeding low birth weight infants: a comparison of whey-predominant versus casein-predominant formulas. Kashyap S, et al.
Pediatrics 1987 May;79(5):748-55

ADVERSE EFFECTS

Cow's milk protein intolerance [letter] Gilbertson NJ, et al. **Pediatrics** 1987 Sep;80(3):461-2
An in vitro test for cows' milk protein intolerance? Heycock E, et al. **Scand J Gastroenterol** 1986 Dec;21(10):1245-9
[Acute hemorrhagic gastroduodenitis caused by intolerance to cow's milk proteins (letter)] Brunerie M, et al.
Arch Fr Pediatr 1986 Apr;43(4):291 **(Fre)**
[Intolerance to the proteins of cow's milk. II. Diagnosis, etiopathogenesis, treatment] Hermier M, et al. **Pediatrie** 1986 Apr-May;41(3):251-61 **(Fre)**
[Cow's milk protein intolerance as a cause of small bowel occlusion] Pittschieler K. **Helv Paediatr Acta** 1986 Dec; 41(5):461-4 (Eng. Abstr.) **(Ger)**
[Clinical aspects of cow's milk protein intolerance in infants] Bunke H, et al. **Z Gesamte Hyg** 1987 Feb;33(2):107-10 (Eng. Abstr.) **(Ger)**
[Atrophy of the duodeno-jejunal mucosa in cow's milk protein intolerance. Importance of cell-mediated immunologic factors] Balli F, et al. **Pediatr Med Chir** 1986 Sep-Oct;8(5):611-4 (Eng. Abstr.) **(Ita)**

ANALYSIS

Application of glutaraldehyde to amperometric determination of protein in dairy products. Ukeda H, et al. **Anal Chem** 1986 Dec;58(14):2975-8
Expression of differentiation-specific proteins in preneoplastic mammary tissues in BALB/c mice. Medina D, et al. **Cancer Res** 1987 Sep 1;47(17):4686-93
More on determination of total protein in human milk [letter] Verheul FE, et al. **Clin Chem** 1986 Oct;32(10):2003-4
Gel electrophoretic analysis of proteins in human milk and colostrum. Montgomery PA, et al.
Comp Biochem Physiol [B] 1987;86(4):635-9
Proteins in preterm and term milk from mothers delivering appropriate or small-for-gestational age infants. Famblanco M, et al. **Early Hum Dev** 1986 Dec;14(3-4):267-72
Characterization of a heterogeneous camel milk whey non-casein protein. Beg OU, et al. **FEBS Lett** 1987 Jun 1;216(2):270-4
Protein composition of human milk in relation to mothers' weight and socioeconomic status. Sanchez-Pozo A, et al. **Hum Nutr Clin Nutr** 1987 Mar;41(2):115-25
Determination of soy protein, whey protein, and casein in unheated meats by high-performance liquid chromatography. Ashoor SH, et al. **J Chromatogr** 1987 Apr 29;393(2):321-8
Effect of the protein, citrate and phosphate content of milk on formation of lactulose during heat treatment. Andrews GR, et al. **J Dairy Res** 1987 May;54(2):207-18
Mammary function during the nonlactating period: enzyme, lactose, protein concentrations, and pH of mammary secretions. Hurley WL. **J Dairy Sci** 1987 Jan;70(1):20-8
Variation in milk protein concentrations associated with genetic polymorphism and environmental factors. NG-Kwai-Hang KF, et al. **J Dairy Sci** 1987 Mar; 70(3):563-70
Percentages of protein and nonprotein nitrogen with varying fat and somatic cells in bovine milk. Ng-Kwai-Hang KF, et al. **J Dairy Sci** 1985 May;68(5):1257-62
Variability in true protein, casein, nonprotein nitrogen, and proteolysis in high and low somatic cell milks. Verdi RJ, et al. **J Dairy Sci** 1987 Feb;70(2):230-42
Compartmentalization and quantitation of protein in human milk. Lönnerdal B, et al. **J Nutr** 1987 Aug;117(8):1385-95
Fractionation of proteins in reconstituted skim-milk. Omar MM, et al. **Nahrung** 1987;31(4):291-5
[A protein related to the main core protein of the mouse mammary cancer virus in a microparticle fraction of human milk] Litvinov SV, et al. **Biull Eksp Biol Med** 1987 Mar; 103(3):338-40 (Eng. Abstr.) **(Rus)**
[Optimization of the protein composition of an additive made from blood and milk] Chirkina TF, et al. **Vopr Pitan** 1987 May-Jun;(3):65-7 (Eng. Abstr.) **(Rus)**
[Chemical composition of a milk protein concentrate for special and dietetic feeding] Lapshinskaia NA, et al.
Vopr Pitan 1986 Jul-Aug;(4):71-3 **(Rus)**

BIOSYNTHESIS

Synthesis of milk specific fatty acids and proteins by dispersed goat mammary-gland epithelial cells. Hansen HO, et al. **Biochem J** 1986 Aug 15;238(1):167-72
A novel whey protein synthesized only in late lactation by the mammary gland from the tammar (Macropus eugenii). Nicholas KR, et al. **Biochem J** 1987 Feb 1;241(3):899-904
Milk protein expression and ductal morphogenesis in the mammary gland in vitro: hormone-dependent and -independent phases of adipocyte-mammary epithelial cell interaction. Wiens D, et al. **Dev Biol** 1987 Mar; 120(1):245-58
Plasma amino acids and milk protein production by cows fed rumen-protected methionine and lysine. Rogers JA, et al. **J Dairy Sci** 1987 Apr;70(4):789-98
Projection of protein yield to 305 days. Wiggans GR.
J Dairy Sci 1986 Nov;69(11):2908-14
Protein synthesis in mammary acini isolated from lactating rats: effect of maternal diet. Geursen A, et al. **J Nutr** 1987 Apr;117(4):769-75

GENETICS

Multihormonal regulation of milk protein gene expression. Rosen JM, et al. **Ann NY Acad Sci** 1986;478:63-76 (47 ref.)
Influence of some dietary chemopreventive agents on the expression of functional differentiation of the mouse mammary gland in vitro. Chakraborty S, et al.
Int J Cancer 1987 Jun 15;39(6):752-9
Association of milk protein types with growth and reproductive performance of dairy heifers. Lin CY, et al. **J Dairy Sci** 1987 Jan;70(1):29-39
Nuclear proteins from lactating mammary glands bind to the promoter of a milk protein gene. Lubon H, et al.
Nucleic Acids Res 1987 Mar 11;15(5):2103-21
Ha-ras oncogene expression directed by a milk protein gene promoter: tissue specificity, hormonal regulation, and tumor induction in transgenic mice. Andres AC, et al.
Proc Natl Acad Sci USA 1987 Mar;84(5):1299-303

IMMUNOLOGY

Serum antibodies against native, processed and digested cow's milk proteins in children with cow's milk protein intolerance. Fällström SP, et al. **Clin Allergy** 1986 Sep; 16(5):417-23
Murine passive cutaneous anaphylaxis test (PCA) for the 'all or none' determination of allergenicity of bovine whey proteins and peptides. Poulsen OM, et al. **Clin Allergy** 1987 Jan;17(1):75-83
Study of IgG sub-class antibodies in patients with milk intolerance. Shakib F, et al. **Clin Allergy** 1986 Sep; 16(5):451-8
Decreased production of specific antibodies to cow's milk proteins in premature infants during the first six months of life. Helms I, et al. **Eur J Pediatr** 1987 Mar;146(2):131-4
Serum antibodies to cow's milk proteins in ulcerative colitis and Crohn's disease. Knoflach P, et al. **Gastroenterology** 1987 Feb;92(2):479-85
Tolerance to orally induced anaphylactic sensitisation to cow's milk proteins and patency of the intestinal mucosa in the neonatal guinea pig. Weaver LT, et al.
Int Arch Allergy Appl Immunol 1987;83(2):220-2
Immunological relationship between the hydrophobic fraction of proteose-peptone and the milk fat globule membrane of bovine milk. Nejjar Y, et al.
Int J Biochem 1986;18(10):893-900
Banked milk is low in immunologically protective proteins. **Nutr Rev** 1987 Feb;45(2):44-6
[Specific IgE antibodies to cow's milk and individual cow's milk proteins in children with suspected allergy to cow's milk] Rzany B, et al. **Monatsschr Kinderheilkd** 1986 Nov; 134(11):799-803 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Hydrophobic interaction fast protein liquid chromatography of milk proteins. Chaplin LC. **J Chromatogr** 1986 Aug 29; 363(2):329-35
Characterization of a camel milk protein rich in proline identifies a new beta-casein fragment. Beg OU, et al.
Regul Pept 1986 Aug;15(1):55-61

METABOLISM

Effect of human milk folate binding protein on folate intestinal transport. Said HM, et al.
Arch Biochem Biophys 1986 Nov 15;251(1):114-20
Increased urinary excretion of inorganic sulfate in premature infants fed bovine milk protein. Greer FR, et al.
J Pediatr 1986 Oct;109(4):692-7
Effect of proteins on availability of zinc. II. Bioavailability of zinc from casein and whey protein--retention study in young rats. Auge M, et al. **Z Ernahrungswiss** 1986 Dec; 25(4):233-41
[Digestion of milk proteins and metabolism of methionine in the newborn lamb] Patureau-Mirand P, et al.
Reprod Nutr Dev 1987;27(3):649-57 (Eng. Abstr.) **(Fre)**
[Absorption of proteins, carbohydrates and fats in the preterm neonate] De Curtis M, et al. **Pediatr Med Chir** 1986 Jul-Aug;8(4):437-42 (Eng. Abstr.) **(Ita)**
[Digestion of milk proteins in premature infants in the 1st month of life] Nikolaevskaia VR, et al. **Pediatriia** 1986 Oct; (10):14-6 (Eng. Abstr.) **(Rus)**
[Protein assimilation and acid proteinases in the postnatal gastrointestinal tract in experimental studies] Nikolaevskaia VR, et al. **Vopr Pitan** 1986 Nov-Dec;(6):45-7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The effect of goat milk fractions on synthesis of milk constituents by rabbit mammary explants and on milk yield in vivo. Evidence for autocrine control of milk secretion. Wilde CJ, et al. **Biochem J** 1987 Feb 15;242(1):285-8
Protein value of some industrial dairy products. Frangne R, et al. **Int J Vitam Nutr Res** 1986;56(4):391-3
Effect of milk protein and fat intake on blood pressure and the incidence of cerebrovascular diseases in stroke-prone spontaneously hypertensive rats (SHRSP). Ikeda K, et al.
J Nutr Sci Vitaminol (Tokyo) 1987 Feb;33(1):31-6

MILK SICKNESS see **PLANT POISONING**

MILKER'S NODES see under **POXVIRUS INFECTIONS**

MILLET see under **CEREALS**

MILROY'S DISEASE see **LYMPHEDEMA**

MIMAE see **ACINETOBACTER**

MIMAE INFECTIONS see **ACINETOBACTER INFECTIONS**

MIMETIC MUSCLES see **FACIAL MUSCLES**

MIMOSINE see under **PYRIDONES**

MINAMATA DISEASE see **MERCURY POISONING**

MINERAL OIL

Mineral oil enhances the autoradiographic detection of 32P-labeled nucleic acids bound to nitrocellulose membranes. Rust S, et al. **Anal Biochem** 1987 May 15; 163(1):196-9

ADVERSE EFFECTS

[Iatrogenic udder inflammation in sheep (letter)] Oldenkamp EP. **Tijdschr Diergeneeskd** 1987 Jul 15;112(14):871 **(Dut)**
[Pneumonia after aspiration of mineral oil]
Vertun-Baranowska B, et al. **Pneumonol Pol** 1986 Dec; 54(12):556-60 (Eng. Abstr.) **(Pol)**

ANALYSIS

Sampling and analytical methods for determining oil mist concentrations. Menichini E. **Ann Occup Hyg** 1986; 30(3):335-48
Particle size distribution of oil mist in the workplace. Menichini E. **Ann Occup Hyg** 1986;30(3):349-63
Chemical analysis of the bronchoalveolar washing fluid in the diagnosis of liquid paraffin pneumonia. Levade T, et al. **J Clin Chem Clin Biochem** 1987 Jan;25(1):45-8

PHARMACODYNAMICS

Jute batching oil: a tumor promoter on mouse skin. Mehrotra NK, et al. **Environ Res** 1987 Feb;42(1):12-23
Enhanced withdrawal from chickens of hexachlorobenzene (HCB) and pentachlorophenol (PCP) by colestipol, mineral oil, and/or restricted feeding. Polin D, et al.
J Toxicol Environ Health 1986;19(3):359-68

POISONING

Lipoid pneumonia secondary to baby oil aspiration: a case report and review of the literature. Reyes de la Rocha S,

et al. **Pediatr Emerg Care** 1985 Jun;1(2):74–80

THERAPEUTIC USE

Reduction in snoring with phosphocholinamin, a long–acting tissue–lubricating agent. Hoffstein V, et al. **Am J Otolaryngol** 1987 Jul–Aug;8(4):236–40

TOXICITY

Induction of plasma cell tumours with 2,6,10,14–tetramethylpentadecane (pristane) and paraffin oil (paraffinum perliquidum) in BALB/c mice simultaneously exposed to sustained antigenic stimulation with bovine serum albumin (BSA). Janz S, et al. **Arch Geschwulstforsch** 1987;57(1):25–30

Nuclear enlargement produced in mouse skin by carcinogenic mineral oils. Ingram AJ, et al. **J Appl Toxicol** 1987 Aug; 7(4):289–95

MINERAL WATERS

Hydrogen sulfide poisonings in hot–spring reservoir cleaning: two case reports. Deng JF, et al. **Am J Ind Med** 1987; 11(4):447–51

[Influence of calcic and magnesic sulphurous thermal water on the metabolism of lipoproteins in the rat] Toussaint C, et al. **Arch Int Physiol Biochim** 1986 Jun;94(2):65–76 (Eng. Abstr.) **(Fre)**

[Crenotherapy with salt–bromo–iodine water from Aspio and changes in the lipid levels in hyperlipidemic subjects] Grassi M, et al. **Clin Ter** 1986 Oct 31;119(2):151–5 (Eng. Abstr.) **(Ita)**

[Effect of alkaline–earth water on gastric emptying time in patients with anorganic dyspepsia] Stanghellini V, et al. **Clin Ter** 1987 Apr 15;121(1):63–74 (Eng. Abstr.) **(Ita)**

[Clinical experience with the use of Amorosa, a low–mineral water, in athletes] Agostini G, et al. **Minerva Med** 1986 Dec 30;77(51–52):2343–8 (Eng. Abstr.) **(Ita)**

[Aquaspirillum in mineral waters of Castellammare di Stabia] de Fusco R, et al. **Nuovi Ann Ig Microbiol** 1985 Sep–Oct; 36(5):333–41 (Eng. Abstr.) **(Ita)**

[Effect of naftusia mineral water on insulin and gastrin secretion] Butusova IA, et al. **Fiziol Zh** 1987 Jul–Aug; 33(4):112–5 (Eng. Abstr.) **(Rus)**

[Effect of Naftusia water on the acid–secreting system of the stomach in the dog] Iaremenko MS, et al. **Fiziol Zh** 1986 Sep–Oct;32(5):538–45 (Eng. Abstr.) **(Rus)**

[Effect of hydrogen sulfide water on the bodies of lead production workers] Berezov TT, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Jan–Feb;(1):56 **(Rus)**

[Effect of Naftusia mineral water on gastrin secretion] Butusova IA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Jan–Feb;(1):20–3 **(Rus)**

[Effect of Morshin mineral water on chronic gastroduodenitis patients] Dzvonkovskii TM. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Sep–Oct;(5):53–5 **(Rus)**

[Mechanism of the action of naftusia water on acid formation in the stomach] Iaremenko MS, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Sep–Oct;(5):11–3 (Eng. Abstr.) **(Rus)**

[Effect of loading with Naftusia mineral water on the endocrine cells of the antral portion of the stomach] Ivasivka SV. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Nov–Dec;(6):55–7 **(Rus)**

[Changes in the electrical biopotentials of the gastrointestinal tract in chronic gastritis and peptic ulcer as affected by the oral administration of mineral water] Kliachkin LM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Jul–Aug; (4):6–8 (Eng. Abstr.) **(Rus)**

[Changes in the reparative regeneration processes in the stomach of rats orally given boron–containing waters] Korovev IuN, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Sep–Oct;(5):17–9 (Eng. Abstr.) **(Rus)**

[Early endocrine reactions to mineral water intake] Kuznetsov BG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Sep–Oct;(5):5–11 (Eng. Abstr.) **(Rus)**

[Effect of mineral waters of different chemical compositions on the pH of the stomach and duodenum] Mavrodii VM. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Sep–Oct;(5):23–6 (Eng. Abstr.) **(Rus)**

[Effect of Naftusia mineral water on the acid– and gastrin–secretory response of the stomach] Popovich IL, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Nov–Dec; (6):53–5 **(Rus)**

[Effect of different doses of North Ossetian tib–2 mineral water on kidney function and the mechanisms of its action] Pronina NN, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Sep–Oct;(5):46–9 (Eng. Abstr.) **(Rus)**

[Effectiveness of treating chronic colitis patients with Gagarin mineral water] Pulatov RP. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Sep–Oct;(5):56–7 **(Rus)**

[Changes in capillary resistance in response to balneotherapy] Zavadiak MI. **Vrach Delo** 1987 Jun;(6):20–2 (Eng. Abstr.) **(Rus)**

[Use of mineral water of the chloride–sulfate–potassium–magnesium–sodium type in chronic gastroduodenitis] Zeliak VL, et al. **Vrach Delo** 1987 Apr;(4):24–8 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Hypokalemia with severe rhythm disorders induced by Vichy water (letter)] Camous JP, et al. **Presse Med** 1986 Dec 13;15(44):2212–3 **(Fre)**

CLASSIFICATION

[Classification of potable therapeutic and medicinal table mineraL waters] Kulikov GV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Sep–Oct;(5):61–3 **(Rus)**

HISTORY

Doctor Nehemiah Grew (1641–1712) and the Epsom salts. Sakula A. **Clio Med** 1984;19(1–2):1–21

[The history of Caucasian mineral waters] Borodil' NK. **Sov Zdravookhr** 1987;(6):65–8 **(Rus)**

POISONING

Bone imaging in a case of chronic fluorine intoxication with mineral water. Thivolle P, et al. **Clin Nucl Med** 1986 Nov; 11(11):771–2

STANDARDS

[Mineral waters: correlations between chemical characteristics listed on the label and those actually present] De Fusco R, et al. **Nuovi Ann Ig Microbiol** 1985 Nov–Dec; 36(6):425–43 (Eng. Abstr.) **(Ita)**

[Principles for formulation of a new All–Union State Standard for therapeutic mineral drinking waters and therapeutic table waters] Adilov VB, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Nov–Dec; (6):40–4 **(Rus)**

SUPPLY & DISTRIBUTION

[Report of the National Laboratory of Health (Department of Hydrology and Thermal Studies] **Bull Acad Natl Med (Paris)** 1986 Dec;170(9):1215–31 **(Fre)**

MINERALOCORTICOIDS

BIOSYNTHESIS

Effects of high–dose ketoconazole treatment on adrenal mineralocorticoid biosynthesis in dogs and rats. De Coster R, et al. **Acta Endocrinol (Copenh)** 1987 Jul;115(3):423–31

BLOOD

Hypertension during high–dose ketoconazole treatment: a probable mineralocorticosteroid effect [letter] Aabo K, et al. **Lancet** 1987 Sep 12;2(8559):637–8

Role of atrial natriuretic peptide in mineralocorticoid escape phenomenon in patients with primary aldosteronism. Nakamura T, et al. **Proc Soc Exp Biol Med** 1987 Sep; 185(4):448–54

[Gluco– and mineralocorticoid function of the adrenals during prolonged conduction anesthesia in the postoperative period] Burov NE, et al. **Anesteziol Reanimatol** 1986 Sep–Oct;(5):25–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Hypercalciuria of mineralocorticoid escape: clearance and micropuncture studies in the rat. Gehr MK, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F879–88

Activation of mineralocorticoid agonist and antagonist specific receptors from rat kidney. Agarwal MK, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):398–402

The determination of mineralocorticoid receptors in human mononuclear leukocytes from patients with mineralocorticoid excess: physiological and pathological implications. Armanini D, et al. **Clin Exp Hypertens [A]** 1986;8(4–5):781–5

Apparent mineralocorticoid excess causing hypertension and hypokalemia in children. New MI, et al. **Clin Exp Hypertens [A]** 1986;8(4–5):751–72

Changes in the plasma levels of atrial natriuretic peptides during mineralocorticoid escape in man. Cappuccio FP, et al. **Clin Sci** 1987 May;72(5):531–9

A new affinity matrix for mineralocorticoid receptors. Lombes M, et al. **J Biol Chem** 1987 Jun 15;262(17):8121–7

Is there a common link between the mechanisms of mineralocorticoid–induced and genetic hypertension? Kornel L, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S66–8 (15 ref.)

Interaction of new 19 nor progesterone derivatives with progestagen, mineralocorticoid and glucocorticoid cytosolic receptors. Botella J, et al. **J Pharmacol** 1986 Oct–Dec;17(4):699–706

Clinical aspects of hyper– and hypo–mineralocorticoidism. Takeda R. **Jpn J Med** 1987 Feb;26(1):91–5

Relationships of the molecular structure of aldosterone derivatives with their binding affinity for mineralocorticoid receptor. Yamakawa M, et al. **Mol Pharmacol** 1986 Dec; 30(6):585–9

Adrenocorticoid receptors in C6 glioma cells: effects on cell growth. Beaumont K. **Neurochem Res** 1987 Aug; 12(8):701–4

[Clinical aspects of hyper– and hypo–mineralocorticoidism] Takeda R. **Nippon Naika Gakkai Zasshi** 1986 Sep; 75(9):1189–203 **(Jpn)**

PHARMACODYNAMICS

Generalized unresponsiveness to mineralocorticoid hormones: familial recessive pseudohypoaldosteronism due to aldosterone–receptor deficiency. Bosson D, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:376–80

Expression of the renal kallikrein gene in mineralocorticoid–treated and genetically hypertensive rats. Fuller PJ, et al. **J Hypertens** 1986 Aug;4(4):427–33

Growth retardation with chronic hyperkalemic metabolic acidosis: a consequence of selective colonic mucosa resistance to mineralocorticoid. Preeyasombat C, et al. **J Med Assoc Thai** 1986 Aug;69(8):438–51

Plasma levels of atrial natriuretic peptide (ANP) during mineralocorticoid escape in normal man. Wambach G, et al. **Klin Wochenschr** 1986;64 Suppl 6:53–7

Glucocorticoid action on the growth and development of insects. Gawienowski AM, et al. **Life Sci** 1987 Apr 27; 40(17):1725–30

[Effect of mineralocorticoids on the Na, K–ATPase activity of the rat brain] Komissarenko VP, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):434–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Lithium clearance in mineralocorticoid escape in humans. Boer WH, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F382–6

Corticosteroids and intestinal ion transport. Sandle GI, et al. **Gastroenterology** 1987 Jul;93(1):188–96 (84 ref.)

SECRETION

An adrenocortical tumor secreting weak mineralocorticoids. Makino K, et al. **Endocrinol Jpn** 1987 Feb;34(1):65–72

THERAPEUTIC USE

Hypertension, mineralocorticoid–resistant hyperkalemia, and hyperchloremic acidosis in an infant with obstructive uropathy. Kozeny GA, et al. **Am J Nephrol** 1986; 6(6):476–81

URINE

Identification of a mineralocorticoid receptor binding substance in the urine of patients with congenital adrenal hyperplasia. Land M, et al. **J Steroid Biochem** 1987 Feb; 26(2):207–11

MINERALS

Outgrowth of fibroblasts on sepiolite–collagen complex. Lizarbe MA, et al. **Biomaterials** 1987 Jan;8(1):35–7

Biocompatibility and degradability of sepiolite–collagen complex. Olmo N, et al. **Biomaterials** 1987 Jan;8(1):67–9

Sepiolite asbestos from Franklin, New Jersey: a case study in medical geology. Germine M. **Environ Res** 1987 Apr; 42(2):386–99

Multivitamin/mineral formulary development. Raatz S, et al. **J Am Diet Assoc** 1987 Jun;87(6):777–8

Adhesion and spreading of fibroblasts on sepiolite–collagen complexes. Lizarbe MA, et al. **J Biomed Mater Res** 1987 Jan;21(1):137–44

The vitamin–mineral supplement history. Muncie HL Jr, et al. **J Fam Pract** 1987 Apr;24(4):365–8

Pretreatment equipment guidelines for ion exchange demineralization systems. Coulter BL, et al. **J Parenter Sci Technol** 1986 Jul–Aug;40(4):122–34

Trabecular bone mineral density in idiopathic scoliosis. Cook SD, et al. **J Pediatr Orthop** 1987 Mar–Apr;7(2):168–74

Interleukin 1 production and accessory cell function of rat alveolar macrophages exposed to mineral dust particles. Oghiso Y, et al. **Microbiol Immunol** 1987;31(3):275–87

Soluble minerals in chemical evolution. II. Characterization of the adsorption of 5'–AMP and 5'–CMP on a variety of soluble mineral salts. Chan S, et al. **Orig Life Evol Biosph** 1987;17(2):121–34

[Carbohydrate composition of non–collagen proteins and methods for their determination in mineralized tissues] Gaĭdamak AN, et al. **Vopr Med Khim** 1986 Nov–Dec; 32(6):103–6 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Evaluation of an oral solution to accelerate alcoholism detoxification. Iber FL. **Alcoholism (NY)** 1987 Jun; 11(3):305–8

Dietary fibre, minerals and vitamins. Walker AR. **Int J Obes** 1987;11 Suppl 1:45–56 (70 ref.)

The well–balanced diet and the "at risk" micronutriments: a forecasting nutritional index. Mareschi JP, et al. **Int J Vitam Nutr Res** 1987;57(1):79–85

Patterns of nutrient intake among dietary supplement users: attitudinal and behavioral correlates. Levy AS, et al. **J Am Diet Assoc** 1987 Jun;87(6):754–60

Vitamin and mineral supplement usage patterns and health beliefs of women. Raab CA. **J Am Diet Assoc** 1987 Jun; 87(6):775–6

Adolescents' beliefs about and reasons for using vitamin/mineral supplements. Thomsen PA, et al. **J Am Diet Assoc** 1987 Aug;87(8):1063–5

ADVERSE EFFECTS

Dietary minerals and colon carcinogenesis (review). Nelson RL. **Anticancer Res** 1987 May–Jun;7(3 Pt A):259–69 (76 ref.)

Determinants of respiratory symptoms in insulation workers exposed to asbestos and synthetic mineral fibres. Ernst P, et al. **Br J Ind Med** 1987 Feb;44(2):90–5

Potential health risks from the use of fibrous mineral absorption granulates. Rödelsperger K, et al. **Br J Ind Med** 1987 May;44(5):337–43

Stimulation of alveolar macrophages by mineral dusts in vitro: luminol-dependent chemiluminescence study. Vilím V, et al. **Environ Res** 1987 Feb;42(1):246–56

[Effect of highly mineralized water on urinary tract function in children] Shtannikov EV, et al. **Gig Sanit** 1986 Oct;(10):90–2 **(Rus)**

ANALYSIS

Assessment of bone mineral content and bone mass by non-invasive radiologic methods. Andresen J, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Nov–Dec;27(6):609–17 (85 ref.)

Comparative study on the quantity of mineral elements excreted in the faeces by the rabbit (Oryctolagus cuniculus domesticus) and wild rabbit (Oryctolagus cuniculus). Bokori J, et al. **Acta Vet Hung** 1986;34(1–2):11–8

Bone-mineral screening for osteoporosis. Hall FM. **AJR** 1987 Jul;149(1):120–2 (27 ref.)

Macro- and trace-mineral intakes of exclusively breast-fed infants. Butte NF, et al. **Am J Clin Nutr** 1987 Jan;45(1):42–8

Bone mineral, serum calcium, and dietary intakes of mother/daughter pairs [letter] Morris HA, et al. **Am J Clin Nutr** 1987 Mar;45(3):638–9

Bone mineral content in children 1 to 6 years of age. Detectable sex differences after 4 years of age. Specker BL, et al. **Am J Dis Child** 1987 Mar;141(3):343–4

Measurement of bone mineral content in the term and preterm infant. Vyhmeister NR, et al. **Am J Dis Child** 1987 May;141(5):506–10

The mineral content of the middle ear ossicles. A radiologic and chemical study on normal and diseased ossicles. Bagger-Sjöbäck D, et al. **Am J Otol** 1987 Jan;8(1):8–13

Screening bone mass measurements [letter] Wasnich R, et al. **Ann Intern Med** 1986 Dec;105(6):974–5

Contribution of tap water to mineral intakes of Canadian preschool children. Gibson RS, et al. **Arch Environ Health** 1987 May–Jun;42(3):165–9

Dual-photon absorptiometry of the proximal tibia. Hvid I, et al. **Arch Orthop Trauma Surg** 1987;106(5):314–8

The determination of the mineral content of the alveolus by non-invasive methods: a preliminary report. Johnson K. **Aust Dent J** 1986 Dec;31(6):424–33

Evaluation of interclonal elemental-profile variation in Sitka spruce seed. el-Kassaby YA, et al. **Biochem Genet** 1986 Oct;24(9–10):729–41

X-ray determination of the crystallinity in bone mineral. Matsushima N, et al. **Biochim Biophys Acta** 1986 Oct 1; 883(3):574–9

Bone appositional rate and percentage of doubly and singly labeled surfaces: comparison of data from 5 and 20 microns sections. Birkenhäger-Frenkel DH, et al. **Bone** 1987; 8(1):7–12

Biomechanical competence of vertebral trabecular bone in relation to ash density and age in normal individuals. Mosekilde L, et al. **Bone** 1987;8(2):79–85

Bone mineral measurements in clinical practice. Murby B, et al. **Br J Hosp Med** 1987 May;37(5):453–8

Bone mineral density in Addison's disease [letter] Crilly RG. **Br Med J [Clin Res]** 1987 Jun 6;294(6585):1486

Bone mineral density in Addison's disease: evidence for an effect of adrenal androgens on bone mass. Devogelaer JP, et al. **Br Med J [Clin Res]** 1987 Mar 28;294(6575):798–800

Relationship of high intensity step-up lighting to bone ash and growth plate closure of the tarso-metatarsus in turkeys. Klingensmith PM, et al. **Br Poult Sci** 1986 Sep;27(3):487–92

Equatorial diffraction spacing as a function of water content in fully mineralized cow bone determined by neutron diffraction. Lees S, et al. **Calcif Tissue Int** 1986 Oct; 39(4):291–2

Is postmenopausal bone loss an age-related phenomenon? Thomsen K, et al. **Calcif Tissue Int** 1986 Sep;39(3):123–7

Average mineral loss in dental enamel during demineralization. Arends J, et al. **Caries Res** 1987; 21(3):249–54

Microradiographic study on the demineralization of thick enamel sections: a constant composition study. Buskes JA, et al. **Caries Res** 1987;21(1):15–21

Noninvasive evaluation of mineral content of bone without use of ionizing radiation. Brown CE, et al. **Clin Chem** 1987 Feb;33(2 Pt 1):227–36

Forearm bone mineral content does not decline with age in premenopausal women. Nordin BE, et al. **Clin Orthop** 1986 Oct;(211):252–6

Broadband ultrasonic attenuation in the os calcis and single photon absorptiometry in the distal forearm: a comparative study. Poll V, et al. **Clin Phys Physiol Meas** 1986 Nov; 7(4):375–9

The effect of fat on bone mineral measurements in normal subjects with recommended values of bone, muscle and fat attenuation coefficients. Webber CE. **Clin Phys Physiol Meas** 1987 May;8(2):143–58 (60 ref.)

A comparison of the mineral composition of milk of domestic and captive wild equids (Equus przewalski, E. zebra, E. burchelli, E. caballus, E. assinus). Schryver HF, et al. **Comp Biochem Physiol [A]** 1986;85(2):233–5

Methods and application of bone densitometry in clinical diagnosis. Wahner HW, et al. **CRC Crit Rev Clin Lab Sci** 1986;24(3):217–33 (79 ref.)

Characterization of mineral population by index particle: implication for the Stanton hypothesis. Wylie AG, et al. **Environ Res** 1987 Aug;43(2):427–39

Quantification of recalcification of irradiated vertebral body osteolyses by dual-energy computed tomography. Crone-Münzebrock W, et al. **Eur J Radiol** 1987 Feb; 7(1):1–5

Evaluating a new approach to the 'osteoporosis-prone' woman. Wasnich RD, et al. **Geriatrics** 1987 Apr; 42(4):86–92

Two postprocessing CT techniques for determining the composition of trabecular bone. Goodsitt MM, et al. **Invest Radiol** 1987 Mar;22(3):209–15

Improved accuracy of single-energy computed tomography bone mineral determination using threshold analysis. Reinus WR, et al. **Invest Radiol** 1987 Jun;22(6):484–9

Bone mineral measurement in the human spine using computed tomography. Scalzetti EM, et al. **Invest Radiol** 1986 Nov;21(11):858–63

Cranial bone density in motor neuron disease (MND) [letter] Montagna P, et al. **Ital J Neurol Sci** 1987 Feb;8(1):73–4

Mineral content of market samples of fluid whole milk. Pennington JA, et al. **J Am Diet Assoc** 1987 Aug; 87(8):1036–42

Effect of intense physical activity on the bone-mineral content in the lower limbs of young adults [letter] Meals RA. **J Bone Joint Surg [Am]** 1987 Jun;69(5):793–4

Mineral content of milk, colostrum, and serum as affected by physiological state and mineral supplementation. Salih Y, et al. **J Dairy Sci** 1987 Mar;70(3):608–12

Total body bone mineral in healthy adults. Gotfredsen A, et al. **J Lab Clin Med** 1987 Sep;110(3):362–8

Usefulness of regional bone measurements in patients with osteoporotic fractures of the spine and distal forearm. Nilas L, et al. **J Nucl Med** 1987 Jun;28(6):960–5

Association of bone mineral density and pediatric fractures. Cook SD, et al. **J Pediatr Orthop** 1987 Jul–Aug;7(4):424–7

Dual-photon bone densitometry in normal Australian women: the issue of biometry [letter] Mikulecky M. **Med J Aust** 1987 Sep 21;147(6):310–1

The relation of forearm mineral density to peripheral fractures in postmenopausal women. Nordin BE, et al. **Med J Aust** 1987 Mar 16;146(6):300–4

Dual-photon bone densitometry in normal Australian women: a cross-sectional study. Pocock NA, et al. **Med J Aust** 1987 Mar 16;146(6):293–7

Is there a place for forearm osteodensitometry in clinical screening studies? Robinson B, et al. **Med J Aust** 1987 Mar 16;146(6):297–300

Dual-energy electronic scanning-slit fluorography for the determination of vertebral bone mineral content. Kruger RA. **Med Phys** 1987 Jul–Aug;14(4):562–6

Systematic errors in bone-mineral measurements by quantitative computed tomography. Rao GU, et al. **Med Phys** 1987 Jan–Feb;14(1):62–9

A study of the homogeneity of the trabecular bone mineral density in the calcaneus. Shukla SS, et al. **Med Phys** 1987 Jul–Aug;14(4):687–90

Bone mineral screening for osteoporosis [letter] **N Engl J Med** 1987 Jul 30;317(5):315–6

Bone mineral screening for osteoporosis. Hall FM, et al. **N Engl J Med** 1987 Jan 22;316(4):212–4

Axial and appendicular bone mineral density in patients with long-term deficiency or excess of calcitonin. Hurley DL, et al. **N Engl J Med** 1987 Aug 27;317(9):537–41

Bone mineral content of the spine with dual photon absorptiometry: normalization of the values. Praet JP, et al. **Nucl Med Commun** 1986 Oct;7(10):761–70

Clinical utility of bone mineral content measurements in the diagnosis and treatment of osteoporosis. Firooznia H, et al. **NY State J Med** 1986 Dec;86(12):626–9 (31 ref.)

Bone growth with low bone mineral content in very low birth weight premature infants. Greer FR, et al. **Pediatr Res** 1986 Oct;20(10):925–8

Optimised microcomputer-guided quantitative microradiography on dental mineralised tissue slices. de Josselin de Jong E, et al. **Phys Med Biol** 1987 Jul; 32(7):887–99

Measurement of hand bone mineral content using single-photon absorptiometry. Nicoll JJ, et al. **Phys Med Biol** 1987 Jun;32(6):697–706

Vertebral bone mineral analysis: an integrated approach with CT. Kalender WA, et al. **Radiology** 1987 Aug;164(2):419–23

Vertebral mineral status: assessment with single- versus multi-section CT. Lambiase R, et al. **Radiology** 1987 Jul; 164(1):231–6

Bone mineral content in early-postmenopausal and postmenopausal osteoporotic women [letter] Mazess RB. **Radiology** 1987 Oct;165(1):289–91

Assessment of bone mineral content in patients with chronic renal failure. Gava A, et al. **Rays** 1986 Sep–Dec;11(3):67–70

Bone mineral content assessment by photon absorptiometry in a normal population. Gava A, et al. **Rays** 1985 May–Aug; 10(2):47–8

The study of biominerals by high resolution transmission electron microscopy. Mann S. **Scan Electron Microsc** 1986; (Pt 2):393–413 (57 ref.)

Nature and properties of cardiovascular deposits. Tomazic BB, et al. **Scanning Microsc** 1987 Mar;1(1):95–105

Usefulness of regional bone measurements in patients with osteoporotic fractures. Christiansen C, et al. **Scott Med J** 1986 Jul;31(3):202–5

Osteopaenia of the lumbar spine and femoral neck in anorexia nervosa. Treasure J, et al. **Scott Med J** 1986 Jul;31(3):206–7

Bone mineral density (BMD) measurements by photon absorptiometry (PA). An overview. Wahner HW, et al. **Scott Med J** 1986 Jul;31(3):201–2

A machine for sawing 80-micrometer slices of carious enamel. Borsboom PC, et al. **Stain Technol** 1987 Mar; 62(2):119–25

[Trace elements in Chinese mineral drugs] Zhao ZJ. **Chung Yao Tung Pao** 1987 Mar;12(3):41–3 **(Chi)**

[Mineralogical studies of deep lung tissue] De Vuyst P, et al. **Bull Mem Acad R Med Belg** 1986;141(2):213–9 (Eng. Abstr.) **(Fre)**

[Evaluation by biphotonic absorptiometry of bone mineral content and determination of the fracture threshold in a population of patients 60 to 75 years old] Duquesnoy B, et al. **Rev Rhum Mal Osteoartic** 1987 Jan;54(1):23–30 (Eng. Abstr.) **(Fre)**

[Early detection of osteoporosis: myth or reality?] Carrier L, et al. **Union Med Can** 1987 Mar;116(3):155–8 (Eng. Abstr.) **(Fre)**

[Osteodensitometry: a promising method for evaluating bone density in humans] Guimond J, et al. **Union Med Can** 1986 Aug;115(8):529–32 (28 ref.) (Eng. Abstr.) **(Fre)**

[Microradiographic study of prehistoric skeletal remains] Piepenbrink H. **Anthropol Anz** 1987 Mar;45(1):29–41 (Eng. Abstr.) **(Ger)**

[Hair analysis in medicine and the environment. Indications of mineral metabolism and environmental load] **Schriftenr Ver Wasser Boden Lufthyg** 1987;71:1–223 **(Ger)**

[Possibilities in diagnosis and therapy using tissue and mineral analysis of hair] Akerberg K, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1987;71:171–89 **(Ger)**

[Bone densitometry in the evaluation of the mineral content in patients under hemodialysis treatment] Gava A, et al. **Minerva Urol Nefrol** 1986 Jul–Sep;38(3):325–30 (Eng. Abstr.) **(Ita)**

[Role of photon absorption densitometry of the bone in uremic osteodystrophy] Bichi Secchi E, et al. **Radiol Med (Torino)** 1987 Apr;73(4):265–70 (Eng. Abstr.) **(Ita)**

[Bone mineral measurement in the newborn infant] Mazzoni R, et al. **Radiol Med (Torino)** 1986 Dec;72(12):930–3 (Eng. Abstr.) **(Ita)**

[Quantification of bone mineral density at the 3d lumbar vertebra by dual photon absorptiometry in healthy subjects] Fukunaga M, et al. **Kaku Igaku** 1987 Apr;24(4):469–73 (Eng. Abstr.) **(Jpn)**

[Fundamental study of dual photon absorptiometry system using scintillation camera] Tomomitsu T, et al. **Kaku Igaku** 1987 Feb;24(2):171–5 (Eng. Abstr.) **(Jpn)**

[Measurement of bone mineral content in trabecular bone of the 3rd lumbar vertebra by computed tomography with phantom for spine] Fukunaga M, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 May 25; 46(5):659–64 (Eng. Abstr.) **(Jpn)**

[The mechanisms of bone mineral loss with aging: detection of pathological and physiological loss of bone mineral using single photon absorptiometry] Shiraki M. **Nippon Ronen Igakkai Zasshi** 1987 Mar;24(2):122–7 (Eng. Abstr.) **(Jpn)**

[The role of parathyroid hormone on the pathogenesis of osteoporosis in the aged females] Shiraki M, et al. **Nippon Ronen Igakkai Zasshi** 1987 Mar;24(2):153–8 (Eng. Abstr.) **(Jpn)**

[The significance of hair mineral analysis in the field of laboratory and preventive medicine] Makino H. **Rinsho Byori** 1987 Apr;35(4):378–82 **(Jpn)**

[Minerals in bronchoalveolar lavage and transbronchial biopsies] Aasen TB, et al. **Tidsskr Nor Laegeforen** 1987 Mar 30;107(9):844–7, 866 (Eng. Abstr.) **(Nor)**

[Equipment for in vivo study of the mineral component of bone] Simakov VV, et al. **Arkh Anat Gistol Embriol** 1987 Feb;92(2):92–5 **(Rus)**

[Age and changes in the mineral components of bone tissue according to photon absorptiometry data] Sveshnikov AA, et al. **Fiziol Cheloveka** 1987 May–Jun;13(3):507–10 **(Rus)**

[Mineral composition of dental deposits and oral fluids in caries] Gomershtein VA. **Stomatologiia (Mosk)** 1987 Jan–Feb;66(1):9–11 (Eng. Abstr.) **(Rus)**

[Effect of acid extraction on the osteogenic activity of bone tissue] Sumarokov DD. **Vopr Med Khim** 1987 Jan–Feb; 33(1):51–4 (Eng. Abstr.) **(Rus)**

[Composition and nutritive value of the Pajimaca sweet corn and Pajimaca Opaque-2, grown in Venezuela] Chávez JF, et al. **Arch Latinoam Nutr** 1986 Jun;36(2):312–8 (Eng. Abstr.) **(Spa)**

BLOOD

Peripheral plasma levels of certain mineral elements in primitive African goats. Gromadzka-Ostrowska J, et al. **Chronobiologia** 1986 Jul-Sep;13(3):215-26

Vitamin D and mineral metabolism in intrahepatic cholestasis of pregnancy. Kuoppala T, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Oct;23(1-2):45-51

Levels of serum protein, protein fractions and minerals in dairy cow with traumatic gastritis of various conditions. Yoshida Y. **Nippon Juigaku Zasshi** 1986 Dec;48(6):1153-9

[Effect of different types of nutrition on various biochemical indicators in the blood of calves during the first 4 months of life. I. Mineral components and hematological indicators of the blood] Friedrich M, et al. **Pol Arch Weter** 1986; 26(1-2):181-93 (Eng. Abstr.) **(Pol)**

METABOLISM

The effect of clodronate (dichloromethylene diphosphonate) on the mineral concentration of dental enamel and bone of the miniature swine. Hyvönen PM, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Aug;59(2):129-34

Mineral balance in adult men: effect of four refined fibers. Behall KM, et al. **Am J Clin Nutr** 1987 Aug;46(2):307-14

Effects of increased dietary calcium intake upon the calcium and bone mineral status of lactating adolescent and adult women. Chan GM, et al. **Am J Clin Nutr** 1987 Aug; 46(2):319-23

Relationships between usual nutrient intake and bone-mineral content of women 35-65 years of age: longitudinal and cross-sectional analysis. Freudenheim JL, et al. **Am J Clin Nutr** 1986 Dec;44(6):863-76

Minerals, trace elements, and potential hazards. Southgate DA. **Am J Clin Nutr** 1987 May;45(5 Suppl):1256-66

Effects of soy formulas on mineral metabolism in term infants. Chan GM, et al. **Am J Dis Child** 1987 May;141(5):527-30

Bone mineral content and growth in very-low-birth-weight premature infants. Does bronchopulmonary dysplasia make a difference? Greer FR, et al. **Am J Dis Child** 1987 Feb; 141(2):179-83

Renal hypophosphatemic rickets. Growth and mineral metabolism after treatment with calcitriol (1,25-dihydroxyvitamin D3) and phosphate supplementation. Tsuru N, et al. **Am J Dis Child** 1987 Jan; 141(1):108-10

Morphological observations concerning the pattern of mineralization of the normal and the rachitic chick growth cartilage. Boyde A, et al. **Anat Embryol (Berl)** 1987; 175(4):457-66

Vertebral and peripheral bone mineral content and fracture incidence in postmenopausal patients with rheumatoid arthritis: effect of low dose corticosteroids. Verstraeten A, et al. **Ann Rheum Dis** 1986 Oct;45(10):852-7

Explanations for the acclimation period preceding the mineralization of organic chemicals in aquatic environments. Wiggins BA, et al. **Appl Environ Microbiol** 1987 Apr;53(4):791-6

Treatment of postmenopausal hyperparathyroidism with norethiadrone. Effects on biochemistry and forearm mineral density. Horowitz M, et al. **Arch Intern Med** 1987 Apr;147(4):681-5

Effects of oophorectomy on trabecular bone mineral content in the rat. Barbagallo M, et al. **Boll Soc Ital Biol Sper** 1986 Oct 30;62(10):1191-5

High bone turnover associated with an aluminum-induced impairment of bone mineralization [published erratum appears in Bone 1987;8(1):i] Charhon SA, et al. **Bone** 1986; 7(5):319-24

The influence of age on bone mineral regulating hormones. Epstein S, et al. **Bone** 1986;7(6):421-5

Seasonal variations in indices of bone formation precede appropriate bone mineral changes in normal men. Hyldstrup L, et al. **Bone** 1986;7(3):167-70

Changes in bone mineral and bone formation rates during pregnancy and lactation in rats. Miller SC, et al. **Bone** 1986; 7(4):283-7

Iliac crest biopsy: representativity for the amount of mineralized bone. Pödenphant J, et al. **Bone** 1986; 7(6):427-30

Effects of long-term maintenance therapy with a new glucocorticoid, deflazacort, on mineral metabolism and statural growth. Balsan S, et al. **Calcif Tissue Int** 1987 Jun; 40(6):303-9

The effect of fluoride and calcium on spinal bone mineral content: a controlled, prospective (3 years) study. Hansson T, et al. **Calcif Tissue Int** 1987 Jun;40(6):315-7

Serum bone gla protein (BGP) and other markers of bone mineral metabolism in postmenopausal osteoporosis [published erratum appears in Calcif Tissue Int 1987 Feb;40(2):117] Ismail F, et al. **Calcif Tissue Int** 1986 Oct; 39(4):230-3

Prostaglandin E2 causes a transient inhibition of mineral mobilization, matrix degradation, and lysosomal enzyme release from mouse calvarial bones in vitro. Lerner UH, et al. **Calcif Tissue Int** 1987 Jun;40(6):323-31

Calcium homeostasis. III: The bone membrane potential and mineral dissolution. McGrath KJ, et al. **Calcif Tissue Int** 1986 Oct;39(4):279-83

Effects of nandrolone decanoate on forearm mineral density and calcium metabolism in osteoporotic postmenopausal women. Need AG, et al. **Calcif Tissue Int** 1987 Jul; 41(1):7-10

Effect of aging on vitamin D stores and bone density in women. Tsai KS, et al. **Calcif Tissue Int** 1987 May; 40(5):241-3

Mineral uptake by the femora of older female X-linked hypophosphatemic (HYP) mice but not older male HYP mice. Brault BA, et al. **Clin Orthop** 1987 Sep;(222):289-99

Mineralization in in vitro cultures of rabbit marrow stromal cells. Howlett CR, et al. **Clin Orthop** 1986 Dec;(213):251-63

Selection of the optimal skeletal site for fracture risk prediction. Wasnich RD, et al. **Clin Orthop** 1987 Mar; (216):262-9

The effects of alcohol on water, electrolytes and minerals. McIntyre N. **Contemp Issues Clin Biochem** 1984;1:117-34 (66 ref.)

Salt consumption and the effect of salt on mineral metabolism in horses. Schryver HF, et al. **Cornell Vet** 1987 Apr; 77(2):122-31

Expression of differentiated function by mineralizing cultures of chicken osteoblasts. Gerstenfeld LC, et al. **Dev Biol** 1987 Jul;122(1):49-60

Response of rachitic rat bones to 1,25-dihydroxyvitamin D3: biphasic effects on mineralization and lack of effect on bone resorption. Gallagher JA, et al. **Endocrinology** 1986 Oct; 119(4):1603-9

Types, numbers, sizes, and distribution of mineral particles in the lungs of urban male cigarette smokers. Churg A, et al. **Environ Res** 1987 Feb;42(1):121-9

Androgens, bone mineral content and hyperostosis frontalis interna in pre-menopausal women. Kollin E, et al. **Exp Clin Endocrinol** 1986 Jul;87(2):211-4

Bone mineral content of elite lightweight amenorrheic oarswomen. Snyder AC, et al. **Hum Biol** 1986 Dec; 58(6):863-9

Marked decline in trabecular bone mineral content in healthy men with age: lack of association with sex steroid levels. Meier DE, et al. **J Am Geriatr Soc** 1987 Mar;35(3):189-97

Digestibility, intake and mineral utilization of combinations of grasses and legumes by lambs. Reid RL, et al. **J Anim Sci** 1987 Jun;64(6):1725-34

Disposition of preformed mineral in matrix vesicles. Internal localization and association with alkaline phosphatase. McLean FM, et al. **J Biol Chem** 1987 Aug 5; 262(22):10481-8

Single and dual energy tomographic analysis of spinal trabecular bone: a comparative study in normal and osteoporotic women. Pacifici R, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):209-14

Forearm and vertebral bone mineral in treated and untreated hyperprolactinemic amenorrhea. Schlechte J, et al. **J Clin Endocrinol Metab** 1987 May;64(5):1021-6

Effects of dietary calcium, vitamin D3, and corn supplementation on growth performance and mineral metabolism in young goats fed whole milk diets. Hines TG, et al. **J Dairy Sci** 1986 Nov;69(11):2868-76

Calcium sources for milk production in Holstein cows via changes in dry matter intake, mineral utilization, and mineral source buffering potential. Wohlt JE, et al. **J Dairy Sci** 1986 Nov;69(11):2815-24

Effect of thyrotoxicosis and its treatment on mineral and bone metabolism. Lalau JD, et al. **J Endocrinol Invest** 1986 Dec; 9(6):491-6

Regional bone mineral density changes after Colles' and forehand fractures. Finsen V, et al. **J Hand Surg [Br]** 1986 Oct;11(3):357-9

On the nature of boundary-organized biomineralization (BOB). Mann S. **J Inorg Biochem** 1986 Oct-Nov; 28(2-3):363-71

Reliability of dietary Ca and P levels and bone mineral content as predictors of bone mechanical properties at various time periods in growing swine. Crenshaw TD. **J Nutr** 1986 Nov;116(11):2155-70

Bone resorption, renal function and mineral status in cows treated with 1,25-dihydroxycholecalciferol and its 24-fluoro analogues. Goff JP, et al. **J Nutr** 1986 Aug; 116(8):1500-10

Mineral utilization by rats fed various commercially available calcium supplements or milk. Greger JL, et al. **J Nutr** 1987 Apr;117(4):717-24

Mineral balances of men and women consuming high fiber diets with complex or simple carbohydrate. Hallfrisch J, et al. **J Nutr** 1987 Jan;117(1):48-55

Apparent small intestinal absorption of nitrogen and minerals from soy and meat-protein-based diets. A study on human ileostomy subjects. Sandström B, et al. **J Nutr** 1986 Nov; 116(11):2209-18

Lactation in the horse: the mineral composition of mare milk. Schryver HF, et al. **J Nutr** 1986 Nov;116(11):2142-7

Effects of dietary calcium and age on parathyroid hormone, calcitonin and serum and milk minerals in the periparturient dairy cow. Shappell NW, et al. **J Nutr** 1987 Jan; 117(1):201-7

Bone mineralization in preterm infants fed human milk with and without mineral supplementation. Gross SJ. **J Pediatr** 1987 Sep;111(3):450-8

Growth, biochemical status, and mineral metabolism in very-low-birth-weight infants receiving fortified preterm human milk. Modanlou HD, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep-Oct;5(5):762-7

Tissue minerals of magnesium-deficient rats with thiamine deficiency and excess. Itokawa Y. **Magnesium** 1987; 6(1):48-54

Adrenal steroids in post-menopausal women: relation to obesity and to bone mineral content. Brody S, et al. **Maturitas** 1987 Apr;9(1):25-32

Physical activity and bone mineral content in women aged 30 to 85 years. Stillman RJ, et al. **Med Sci Sports Exerc** 1986 Oct;18(5):576-80

Deranged bone mineral metabolism in chronic alcoholism. Feitelberg S, et al. **Metabolism** 1987 Apr;36(4):322-6

Dietary fibre and mineral metabolism. Walker AR. **Mol Aspects Med** 1987;9(1):69-87 (132 ref.)

Absorption of soy protein and minerals in ileostomy patients. **Nutr Rev** 1987 Jun;45(6):166-7 (5 ref.)

The effect of verapamil and the calcium ionophore A 23187 on the calcium and phosphorus content of bone. Simečková A, et al. **Physiol Bohemoslov** 1987;36(2):149-52

Effects of increasing dietary levels of full-fat canola on performance, nutrient retention, and bone mineralization. Leeson S, et al. **Poult Sci** 1987 May;66(5):875-80

Mineral and bone metabolism in thyroid disease: a review. Auwerx J, et al. **Q J Med** 1986 Aug;60(232):737-52

Bone and mineral metabolism and chronic alcohol abuse. Lalor BC, et al. **Q J Med** 1986 May;59(229):497-511

Alterations of bone and mineral metabolism in diabetes mellitus. Part II. Clinical studies in 206 patients with type I diabetes mellitus. Hough FS. **S Afr Med J** 1987 Jul 18; 72(2):120-6

Alterations of bone and mineral metabolism in diabetes mellitus. Part I. An overview. Hough FS. **S Afr Med J** 1987 Jul 18;72(2):116-9 (68 ref.)

The late effect of subtotal thyroidectomy and radioactive iodine therapy on calcitonin secretion and bone mineral density in women treated for Graves' disease. Lowery WD, et al. **Surgery** 1986 Dec;100(6):1142-9

6-Mercaptopurine-induced alterations in mineral metabolism and teratogenesis in the rat. Amemiya K, et al. **Teratology** 1986 Dec;34(3):321-34

Ammonium urate urolithiasis in the rat with portocaval shunt--some aspects of mineral metabolism and urine composition. Linnemann U, et al. **Urol Res** 1986; 14(6):319-22

Increased vertebral bone mineral in response to reduced exercise in amenorrheic runners. Lindberg JS, et al. **West J Med** 1987 Jan;146(1):39-42

Stable mineral isotopes in nutritional and related research. Schwartz R. **World Rev Nutr Diet** 1986;48:1-33 (133 ref.)

[Do antacids with high acid binding ability modify mineral homeostasis?] Dollinger HC, et al. **Med Klin** 1986 Jan 17; 81(1):15-9 (Eng. Abstr.) **(Ger)**

[Dietary protein and resorption of minerals and trace elements, especially iron] Hallberg L. **Verh Dtsch Ges Inn Med** 1986;92:743-9 **(Ger)**

[Maturation of mammalian bone minerals. A new method for determining bone metabolism] Driessens FC, et al. **Z Orthop** 1986 Sep-Oct;124(5):599-602 (Eng. Abstr.) **(Ger)**

[Mineral content of bones and androgen levels in patients with cranial hyperostosis] Kollin E, et al. **Orv Hetil** 1987 Apr 12;128(15):787-91 (Eng. Abstr.) **(Hun)**

[Changes in bone mineral content in hyperprolactinemia. Analysis of case material] Casazza S, et al. **Ann Ostet Ginecol Med Perinat** 1986 Nov-Dec; 107(6):333-9 (Eng. Abstr.) **(Ita)**

[Quantitative radiologic evaluation of the effect of estro-progestin therapy on the bone mineral content of ovariectomized rats] Barbagallo M, et al. **Boll Soc Ital Biol Sper** 1986 Oct 30;62(10):1185-90 (Eng. Abstr.) **(Ita)**

[Effect of acid metabolites on the osteoinductive activity of the bone matrix] Sumarokov DD, et al. **Biol Nauki** 1987; (5):20-4 (Eng. Abstr.) **(Rus)**

[Use of diphosphonates for correcting disorders of calcium metabolism and mineral composition of bone tissue in 60-day hypokinesia in rats] Morukov BV, et al. **Patol Fiziol Eksp Ter** 1987 Mar-Apr;(2):75-7 (Eng. Abstr.) **(Rus)**

[Effect of forced axial rhythmic microcompressions on the mineralization processes of post-distraction bone regeneration] Orlovskiĭ AA, et al. **Patol Fiziol Eksp Ter** 1986 Sep-Oct;(5):58-60 (Eng. Abstr.) **(Rus)**

[Role of mineral metabolism abnormalities in the arterial hypertension of primary hyperparathyroidism. Analysis of 150 cases] Grant C, et al. **Med Clin (Barc)** 1987 Jun 6; 89(2):50-3 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Response of the canine corneal endothelium to intraocular irrigation with saline solution, balanced salt solution, and balanced salt solution with glutathione. Nasisse MP, et al. **Am J Vet Res** 1986 Oct;47(10):2261-5

[Effect of the mineral-ammonia preparations MP-15 and MP-7 on nitrogen metabolism in cows] Zhuravskiĭ NI, et al. **Ukr Biokhim Zh** 1986 Sep-Oct;58(5):83-6 (Eng. Abstr.) **(Rus)**

[Effectiveness of essentiale and vitohepatum as stabilizers of liver lysosomal membranes] Fomichenko KV, et al. **Vopr Med Khim** 1986 Sep-Oct;32(5):21-4 (Eng. Abstr.) **(Rus)**

[Effect of a vitamin complex with mineral substances on blood coagulation in rats when administered by different methods and in experimental hypercoagulation] Byshevskiĭ ASh, et al. **Vopr Pitan** 1986 Jul-Aug;(4):58-60 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Vitamin and mineral supplements to athletes: do they help? Williams MH. **Clin Sports Med** 1984 Jul;3(3):623–37

Biochemistry of hospital nutrition. Micronutrients. Shenkin A, et al. **Contemp Issues Clin Biochem** 1986;4:83–122 (21 ref.)

POISONING

Lead poisoning in infancy—unusual causes in the U.A.E. Rahman H, et al. **Ann Trop Paediatr** 1986 Sep;6(3):213–7

THERAPEUTIC USE

Effect of food on the availability of iron from three multivitamin/mineral supplements during pregnancy. Rubel HR, et al. **Clin Ther** 1987;9(3):311–7

Clinical and biochemical effects of nutritional supplementation on the premenstrual syndrome. Stewart A. **J Reprod Med** 1987 Jun;32(6):435–41

An odd way to license a drug [editorial] **Lancet** 1987 Aug 15;2(8555):376

Product licence for Pregnative Forte F [letter] Nevin NC, et al. **Lancet** 1987 Aug 29;2(8557):516

[Vitamin and mineral substances in pregnancy and lactation. Report from an international symposium "Vitamins and Minerals in Pregnancy and Lactation"] **Med Monatsschr Pharm** 1987 Mar;10(3):83–6 **(Ger)**

[Use of bone meal for treating pulpitis] Maksimovskiĭ IuM, et al. **Stomatologiia (Mosk)** 1987 May–Jun;66(3):5–7 (Eng. Abstr.) **(Rus)**

TOXICITY

Toxicity of richterite in hemolysis test and macrophage cultures. Collan Y, et al. **Arch Toxicol [Suppl]** 1986;9:292–5

Man-made mineral fibres and lung cancer: the risk to workers. **Bull WHO** 1987;65(1):113

In vitro correlates of mineral dust toxicity. Brown RC, et al. **Food Chem Toxicol** 1986 Jun–Jul;24(6–7):535–8

Pharmacologic role of cysteine in ameliorating or exacerbating mineral toxicities. Baker DH, et al. **J Nutr** 1987 Jun;117(6):1003–10 (70 ref.)

URINE

Exercise-induced changes in urinary water and mineral output during the menstrual cycle. Prashad DN, et al. **Br J Sports Med** 1987 Mar;21(1):9–12

MINIATURE SWINE see **SWINE, MINIATURE**

MINIATURIZATION see under **ELECTRONICS**

MINICOMPUTERS see under **COMPUTERS**

MINIMAL BRAIN DYSFUNCTION see **ATTENTION DEFICIT DISORDER WITH HYPERACTIVITY**

MINING

Bioindicators and accumulators in geobotanical and biogeochemical prospecting of metals. Aery NC, et al. **Acta Biol Hung** 1986;37(1):67–78

Electron microscopic analyses of dust from the lungs and the lymph nodes of talc-mine employees. Friedrichs KH. **Am Ind Hyg Assoc J** 1987 Jul;48(7):626–33

Size distribution of airborne dust in Labrador iron mines. Knight G, et al. **Am Ind Hyg Assoc J** 1987 Feb;48(2):150–4

Comparison of respirable dust samplers for use in hard rock mines. Knight G, et al. **Am Ind Hyg Assoc J** 1987 Apr; 48(4):354–63

Evaluation of the phase contrast microscopy method for the detection of fibrous and other elongated mineral particulates by comparison with a STEM technique. Snyder JG, et al. **Am Ind Hyg Assoc J** 1987 May; 48(5):471–7

Re: "Excess mortality from stomach cancer, lung cancer, and asbestosis and/or mesothelioma in crocidolite mining districts in South Africa" [letter] Hart HP. **Am J Epidemiol** 1987 Mar;125(3):542–3

Analysis of proportionate mortality data using logistic regression models. Robins JM, et al. **Am J Epidemiol** 1987 Mar;125(3):524–35

The morbidity and mortality of vermiculite miners and millers exposed to tremolite–actinolite: Part I. Exposure estimates. Amandus HE, et al. **Am J Ind Med** 1987; 11(1):1–14

The morbidity and mortality of vermiculite miners and millers exposed to tremolite–actinolite: Part III. Radiographic findings. Amandus HE, et al. **Am J Ind Med** 1987;11(1):27–37

The morbidity and mortality of vermiculite miners and millers exposed to tremolite–actinolite: Part II. Mortality. Amandus HE, et al. **Am J Ind Med** 1987;11(1):15–26

Asbestos exposure, cigarette smoking, and airflow limitation in long-term Canadian chrysotile miners and millers. Bégin R, et al. **Am J Ind Med** 1987;11(1):55–66

Pathological findings in mine workers: II. Quality of the PATHAUT data. Hessel PA, et al. **Am J Ind Med** 1987; 12(1):81–9

Pathological findings in mine workers: I. Description of the PATHAUT database. Hessel PA, et al. **Am J Ind Med** 1987;12(1):71–80

The predictors of emphysema in South African gold miners. Becklake MR, et al. **Am Rev Respir Dis** 1987 Jun; 135(6):1234–41

Relationship of microbial activity and Ceriodaphnia responses to mining impacts on the Clark Fork River, Montana. Burton GA Jr, et al. **Arch Environ Contam Toxicol** 1987 Sep;16(5):523–30

A comparison of blood lead levels in dogs from a lead-mining, lead-smelting, urban and rural island environment. Koh TS, et al. **Aust Vet J** 1986 Sep; 63(9):282–5

Mortality of middle aged white South African gold miners. Wyndham CH, et al. **Br J Ind Med** 1986 Oct;43(10):677–84

Silica-dust-exposed mine workers with scleroderma (systemic sclerosis). Cowie RL. **Chest** 1987 Aug; 92(2):260–2

Biological effects of the respirable dusts from ore mines. Adamis Z, et al. **Environ Res** 1986 Oct;41(1):319–26

The pathogenicity of dust from a fluorite mine. Xu YH, et al. **Environ Res** 1987 Aug;43(2):350–8

A longitudinal study of symptoms and respiratory function tests in iron miners. Pham QT, et al. **Eur J Respir Dis** 1986 Nov;69(5):346–54

Concentration ratios of natural U for cattail pollen. Amiro BD, et al. **Health Phys** 1987 Feb;52(2):233–5

Tests of the linear, no-threshold dose-response relationship for high-LET radiation. Cohen BL. **Health Phys** 1987 May; 52(5):629–36

Life saving by nuclear activities. De Santis V, et al. **Health Phys** 1986 Oct;51(4):551–5

Quantitative risk assessment of lung cancer in U.S. uranium miners. Hornung RW, et al. **Health Phys** 1987 Apr; 52(4):417–30

Leaching of 226Ra from U mill tailings by sulfate-reducing bacteria. Landa ER, et al. **Health Phys** 1986 Oct; 51(4):509–18

Concentrations of alpha-emitting isotopes of U and Th in uranium miners' and millers' tissues. Singh NP, et al. **Health Phys** 1987 Sep;53(3):261–5

Concentrations of 210Pb and its states of equilibrium with 238U, 234U and 230Th in U miners' lungs. Singh NP, et al. **Health Phys** 1986 Oct;51(4):501–7

An integrating thermoluminescent Rn daughter personal dosimeter. Solomon SB, et al. **Health Phys** 1987 Feb; 52(2):143–8

Ground-water concentrations of 226Ra and 222Rn in North Carolina phosphate lands. Watson JE Jr, et al. **Health Phys** 1987 Mar;52(3):361–5

Silicosis in the iron-ore mine in Kiruna, Sweden, and the future need for silicosis control. Jörgensen HS. **Int Arch Occup Environ Health** 1986;58(4):251–7

Epidemiology of respiratory cancers related to nickel mining and refining in New Caledonia (1978–1984). Goldberg M, et al. **Int J Cancer** 1987 Sep 15;40(3):300–4

Effects of personal, environmental and occupational factors on ischaemic heart disease in white miners in South Africa. Wyndham CH, et al. **Int J Epidemiol** 1986 Dec;15(4):507–12

Lead absorption in the mineral extraction industry. Dornan J. **J Soc Occup Med** 1986 Autumn;36(3):99–101

The National Occupational Health Survey of Mining. Groce DW, et al. **MMWR CDC Surveill Summ** 1986 Aug; 35(2):17SS–22SS

Czech uranium miners up in arms over working conditions [news] Rich V. **Nature** 1987 Sep 3–9;329(6134):8

Lung carcinoma in uranium miners, Czechoslovakia, 1976–1980. Vich Z, et al. **Neoplasma** 1987;34(2):211–5

Malaria control and the development of the Ok Tedi mining project in the Star Mountains of Papua New Guinea: the initial construction phase. Schuurkamp GJ, et al. **Papua New Guinea Med J** 1987 Mar;30(1):27–38

Hearing loss in white South African goldminers. Hessel PA, et al. **S Afr Med J** 1987 Mar 21;71(6):364–7

Vibration-induced white finger among selected underground rock drillers in British Columbia. Brubaker RL, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):296–300

Abnormalities of pulmonary function and pleural disease among titanium metal production workers. Garabrant DH, et al. **Scand J Work Environ Health** 1987 Feb;13(1):47–51

Cancer mortality of granite workers. Koskela RS, et al. **Scand J Work Environ Health** 1987 Feb;13(1):26–31

Mortality and disability among granite workers. Koskela RS, et al. **Scand J Work Environ Health** 1987 Feb;13(1):18–25

Lead exposure during demolition of a steel structure coated with lead-based paints. II. Reversible changes in the conduction velocity of the motor nerves in transiently exposed workers. Muijser H, et al. **Scand J Work Environ Health** 1987 Feb;13(1):56–61

Lead exposure during demolition of a steel structure coated with lead-based paints. I. Environmental and biological monitoring. Spee T, et al. **Scand J Work Environ Health** 1987 Feb;13(1):52–5

Occlusal wear in miners. Enbom L, et al. **Swed Dent J** 1986; 10(5):165–70

Silicosis in barium miners. Seaton A, et al. **Thorax** 1986 Aug; 41(8):591–5

Effect of phosphate on different blood parameters of labourers at Rusaifa Phosphate Mines, Jordan. Khraisha S. **Trop Geogr Med** 1987 Jan;39(1):53–5

[Sister chromatid exchanges (SCE), chromosomal aberrations and micronuclei of cultured peripheral lymphocytes in patients with lung cancer, miners and non-mining workers of the tin mine in Yunnan] Hu GG, et al. **Chung Hua Chung Liu Tsa Chih** 1987 Jan;9(1):29–32 (Eng. Abstr.) **(Chi)**

[The analysis of ridge regression about occupational factors of lung cancer in Yunnan tin miners] Zhang FM. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 May; 20(3):151–3 (Eng. Abstr.) **(Chi)**

[Notes on the history of miners' disease in Hungary] Karasszon D. **Orv Hetil** 1987 Apr 19;128(16):849–50 **(Hun)**

[Pneumoconiosis in bauxite miners] Molinini R, et al. **G Ital Med Lav** 1985 Sep–Nov;7(5–6):209–13 (Eng. Abstr.) **(Ita)**

[Classification of hearing loss in industrial workers for the purpose of expert testimony] Kuźniarz J, et al. **Med Pr** 1986;37(3):187–92 (Eng. Abstr.) **(Pol)**

[Effect of lead-zinc concentrate dust on the liver] Burkhanov AI, et al. **Gig Sanit** 1987 Feb;(2):90–1 **(Rus)**

[Rapid methods for monitoring mine air for the content of trace aldehyde concentrations] Dement'eva MI, et al. **Gig Sanit** 1986 Dec;(12):47–9 **(Rus)**

[Hygienic characteristics of working conditions and state of adaptation in drivers of underground dump trucks at mines in the Kola polar region] Popondopulo AN, et al. **Gig Sanit** 1987 May;(5):81–2 **(Rus)**

[Viability of Staphylococcus aureus and Escherichia coli in the open pit waters of the Kama Fuel and Energy Complex] Zel'manovich BM, et al. **Gig Sanit** 1987 Apr;(4):87–9 **(Rus)**

[Ion composition of atmospheric air at an industrial site and in deep potassium mines] Ashel'rod AA, et al. **Gig Tr Prof Zabol** 1987 Jul;(7):48–50 **(Rus)**

[Determination of blood levels of renin, aldosterone, cortisol and testosterone in vibration disease] Balan GM, et al. **Gig Tr Prof Zabol** 1987 Mar;(3):23–6 (Eng. Abstr.) **(Rus)**

[Muscular disorders in vibration disease and the evaluation of their severity] Balan GM. **Gig Tr Prof Zabol** 1986 Nov; (11):5–9 (Eng. Abstr.) **(Rus)**

[Cervical osteochondrosis in miners] Chatskiĭ GIa, et al. **Gig Tr Prof Zabol** 1986 Nov;(11):47–9 **(Rus)**

[Evaluation of mine air pollution with the exhaust gases of diesel motors] Chebotarev AG, et al. **Gig Tr Prof Zabol** 1987 Jul;(7):20–3 (Eng. Abstr.) **(Rus)**

[Urgent problems in the evaluation of the dust–gas factor and health status of workers in highly mechanized ore and placer mines] Elovskaia LT, et al. **Gig Tr Prof Zabol** 1987 Jun;(6):25–8 (Eng. Abstr.) **(Rus)**

[Working conditions and status of the osteoarticular system of excavator operators at open-pit mining operations] Grigorian EA, et al. **Gig Tr Prof Zabol** 1987 Mar;(3):50–2 **(Rus)**

[Analysis of the incidence of occupationally impaired hearing among Krivoi Rog iron field miners] Makarenko NA, et al. **Gig Tr Prof Zabol** 1986 Oct;(10):10–3 (Eng. Abstr.) **(Rus)**

[Morbidity with temporary loss of work capacity among iron ore miners using trinitrotoluene-based explosives] Vysochin VI, et al. **Gig Tr Prof Zabol** 1986 Aug;(8):46–7 **(Rus)**

[Dislocations of the leg in miners] Lobko IaU, et al. **Ortop Travmatol Protez** 1986 Aug;(8):53–4 **(Rus)**

[Preventive services to miners in the Far North and Eastern Siberia] Lutaĭ AV, et al. **Sov Zdravookhr** 1986;(9):15–8 (Eng. Abstr.) **(Rus)**

[Evaluation of the status and possibility of correcting the mucociliary system of patients with dust-induced bronchitis] Lavrenova GV. **Vestn Otorinolaringol** 1987 Mar–Apr;(2):56–9 (Eng. Abstr.) **(Rus)**

[Disorders of cardiac activity in mine rescue workers in acute body overheating] Ignatova OA. **Vrach Delo** 1987 Jul; (7):89–91 (Eng. Abstr.) **(Rus)**

[Effect of industrial factors on the body of miners extracting potassium ore (a review of the literature)] Strutinskiĭ GM. **Vrach Delo** 1986 Dec;(12):92–5 **(Rus)**

[Epidemiological characteristics of peptic ulcer in workers of Chuquicamata] Calderón C, et al. **Rev Med Chil** 1986 Mar;114(3):199–205 (Eng. Abstr.) **(Spa)**

HISTORY

[Medical management of miners in Banat and Transylvania 1718–1848 from the occupational medicine viewpoint] Horn E. **Z Gesamte Hyg** 1986 Dec;32(12):733–4 **(Ger)**

[Physicians of Hungarian miners in the 16th–17th centuries] Kapronczay K. **Orv Hetil** 1986 Aug 24;127(34):2084–5 **(Hun)**

[Industrial medicine for miners in the 18th century] Szállási A. **Orv Hetil** 1987 Mar 8;128(10):534–6 **(Hun)**

[F. V. Bervi—founder of the 1st department of surgery and x-ray consulting-room in the Donbass] Rudenko FV. **Sov Zdravookhr** 1986;(11):64–5 **(Rus)**

MINIPIGS see **SWINE, MINIATURE**

MINK

Toxicity of 3,4,5,3',4',5'-hexachlorobiphenyl to mink. Aulerich RJ, et al. **Arch Environ Contam Toxicol** 1987 Jan; 16(1):53–60

Temporal distribution of transmissible mink encephalopathy virus in mink inoculated subcutaneously. Hadlow WJ, et al. **J Virol** 1987 Oct;61(10):3235–40

Acute interstitial pneumonia in mink kits: experimental reproduction of the disease. Alexandersen S. **Vet Pathol** 1986 Sep;23(5):579–88

Chronic corneal edema in aged ranch mink. Hadlow WJ. **Vet Pathol** 1987 Jul;24(4):323–9

Thiamine deficiency encephalopathy in foxes and mink. Okada HM, et al. **Vet Pathol** 1987 Mar;24(2):180–2

[Testing the protective effectiveness of vaccines against infection with Pseudomonas aeruginosa in mink (Lutreola vison)] Douscek J, et al. **Vet Med (Praha)** 1986 Nov; 31(11):695–704 (Eng. Abstr.) **(Cze)**

GENETICS

Chromosomal localization of the gene coding for alpha-subunit of Na+,K+-ATPase in the American mink (Mustela vison). Matveeva NM, et al. **FEBS Lett** 1987 Jun 8;217(1):42–4

New forms of hereditary tyrosinemia type II in mink: hepatic tyrosine aminotransferase defect. Christensen K, et al. **Hereditas** 1986;104(2):215–22

Genetic map of the American mink: gene conservation and organization of chromosomes. Serov OL, et al. **Isozymes Curr Top Biol Med Res** 1987;15:179–215 (67 ref.)

[The family of Lpm-genes is located on chromosome 9 of the American mink] Ermolaev VI, et al. **Dokl Akad Nauk SSSR** 1987;294(5):1232–4 **(Rus)**

[Localization of the gene for the Na+,K+-ATPase alpha subunit on chromosomes of the American mink] Matveeva NM, et al. **Dokl Akad Nauk SSSR** 1987;294(4):998–1000 **(Rus)**

[Immunogenetic systems of the mink: problems of evolution] Baranov OK. **Genetika** 1987 Jun;23(6):1026–37 **(Rus)**

[Genetics and evolution of the Lpm-system in American mink. VI. Identification, genetic control and phylogenesis of the new allotype Lpm13] Baranov OK, et al. **Genetika** 1987 Jan;23(1):143–56 (Eng. Abstr.) **(Rus)**

[Genetico-evolutionary aspects of the problem of fertility homeostasis in mammals (illustrated by minks)] Evsikov VI. **Genetika** 1987 Jun;23(6):988–1002 (63 ref.) **(Rus)**

[Cytogenetic study of the American mink bred (Mustela vison) bred in mink-breeding farms] Isakova GK. **Genetika** 1987 Jun;23(6):1097–1103 **(Rus)**

GROWTH & DEVELOPMENT

Apparent role of melatonin and prolactin in initiating winter fur growth in mink. Rose J, et al. **Gen Comp Endocrinol** 1987 Feb;65(2):212–5

IMMUNOLOGY

A natural killer cell assay for the mink using a mouse lymphoma as the target cell line. Pace NC, et al. **Lab Anim Sci** 1987 Apr;37(2):220–3

The propagation of feline panleukopenia virus in micro-carrier cell culture and use of the inactivated virus in the protection of mink against viral enteritis. Rivera E, et al. **Vet Microbiol** 1987 Apr;13(4):371–81

MICROBIOLOGY

Avian influenza A virus causing an outbreak of contagious interstitial pneumonia in mink. Englund L, et al. **Acta Vet Scand** 1986;27(4):497–504

Detection of mink enteritis virus in mink feces, using enzyme-linked immunosorbent assay, hemagglutination, and electron microscopy. Shen DT, et al. **Am J Vet Res** 1986 Sep;47(9):2025–30

In situ molecular hybridization for detection of Aleutian mink disease parvovirus DNA by using strand-specific probes: identification of target cells for viral replication in cell cultures and in mink kits with virus-induced interstitial pneumonia. Alexandersen S, et al. **J Virol** 1987 Aug; 61(8):2407–19

Cerebrocortical degeneration in goats inoculated with mink-passaged scrapie virus. Hadlow WJ, et al. **Vet Pathol** 1986 Sep;23(5):543–9

PHYSIOLOGY

Primary and secondary toxicity of warfarin, sodium monofluoroacetate, and methyl parathion in mink. Aulerich RJ, et al. **Arch Environ Contam Toxicol** 1987 May; 16(3):357–66

The effects of polychlorinated biphenyls and methylmercury, singly and in combination, on mink. I: uptake and toxic responses. Wren CD, et al. **Arch Environ Contam Toxicol** 1987 Jul;16(4):441–7

The effects of polychlorinated biphenyls and methylmercury, singly and in combination on mink. II: Reproduction and kit development. Wren CD, et al. **Arch Environ Contam Toxicol** 1987 Jul;16(4):449–54

Comparative toxicology of tetrachlorobiphenyls in mink and rats. I. Changes in hepatic enzyme activity and smooth endoplasmic reticulum volume. Gillette DM, et al. **Fundam Appl Toxicol** 1987 Jan;8(1):5–14

Comparative toxicology of tetrachlorobiphenyls in mink and rats. II. Pathology. Gillette DM, et al. **Fundam Appl Toxicol** 1987 Jan;8(1):15–22

Functional organization of primary visual cortex in the mink (Mustela vison), and a comparison with the cat. LeVay S, et al. **J Comp Neurol** 1987 Mar 15;257(3):422–41

Improved sperm counts in mink males (Mustela vison) treated with clomiphene citrate. Lukola A, et al. **J Endocrinol Invest** 1986 Jun;9(3):243–4

Diurnal variations of plasma melatonin concentrations in pregnant or pseudopregnant mink (Mustela vison) maintained under different photoperiods. Ravault JP, et al. **J Pineal Res** 1986;3(4):365–73

[Effect of thyroidectomy on variations during the spring and summer of the testicular activity and blood prolactin in the mink] Jacquet JM, et al. **C R Acad Sci [III]** 1986; 303(9):367–70 (Eng. Abstr.) **(Fre)**

[Selection-induced modification of the defence reaction to man in the American mink (Mustela vison Schreb.)] Trapezov OV. **Genetika** 1987 Jun;23(6):1120–7 **(Rus)**

MINK CELL FOCUS-INDUCING VIRUSES see under **MOUSE LEUKEMIA VIRUSES**

MINK ENCEPHALOPATHY VIRUS see under **VERTEBRATE VIRUSES, UNCLASSIFIED**

MINNESOTA MULTIPHASIC PERSONALITY INVENTORY see **MMPI**

MINNOWS see **CYPRINIDAE**

MINOCYCLINE see under **TETRACYCLINES**

MINOR HISTOCOMPATIBILITY LOCI

Endocrine involvement in minor (non-H-2) graft-versus-host reaction in mice. Early and primary thyroid failure. Khairallah M, et al. **Endocrinology** 1987 Jun;120(6):2436–41

Evidence for two distinct mechanisms in acute fatal graft-versus-host reaction across minor histocompatibility barriers. OKunewick JP, et al. **Exp Hematol** 1987 May; 15(4):365–72

Bent-limb disease in lambs. Apparent transmission with an autosomal recessive gene linked to the OL-Z minor lymphocyte antigen locus and the I locus involved in the expression of R and O antigens in sheep. Millot P. **J Immunogenet** 1986 Aug;13(4):341–8

T cell recognition of Mls. T cell clones demonstrate polymorphism between Mlsa, Mlsc, and Mlsd. Abe R, et al. **J Immunol** 1987 Jan 15;138(2):373–9

Functional T cell deficits after bone marrow transplantation across minor histocompatibility barriers: effects of graft-vs-host disease on precursor frequency of reactive cells. Ferrara JL, et al. **J Immunol** 1987 Jun 1; 138(11):3598–603

Cytotoxic T lymphocyte response to minor H-42a alloantigen in H-42b mice: clonal inactivation of the precursor cytotoxic T lymphocytes by veto-like spleen cells that express the H-42a antigen. Ishikawa H, et al. **J Immunol** 1986 Oct 1;137(7):2080–8

A human autoreactive T cell line specific for minor histocompatibility antigen(s) isolated from a bone marrow-grafted patient. Tilkin AF, et al. **J Immunol** 1986 Dec 15;137(12):3772–6

Minor histocompatibility loci complexity. Click RE, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):886–9

Engraftment following T-cell-depleted marrow transplantation. I. The role of major and minor histocompatibility barriers. Ferrara J, et al. **Transplantation** 1987 Apr;43(4):461–7

Tolerance to cultured allografts protects third-party grafts containing new MHC and common minor antigens [published erratum appears in Transplantation 1987 Apr;43(4):608] La Rosa FG, et al. **Transplantation** 1987 Feb;43(2):314–6

Bone marrow transplantation with T-cell-depleted grafts. II. Reconstitution of immunohemopoietic functions in lethally irradiated mice transplanted with unseparated or T-cell-depleted bone marrow grafts disparate at minor histocompatibility antigens. Leshem B, et al. **Transplantation** 1987 Jun;43(6):814–7

Effect of immunization with Escherichia coli J5 on graft-versus-host disease induced by minor histocompatibility antigens in mice. Moore RH, et al. **Transplantation** 1987 Aug;44(2):249–53

In vitro cytotoxic T cell responses to cell-free minor histocompatibility antigens. Requirement for antigen-presenting cells. Pilarski LM. **Transplantation** 1987 Feb;43(2):286–90

MINORITY GROUPS

Ethnic minorities in British diabetic clinics: a questionnaire survey. Goodwin AM, et al. **Diabetic Med** 1987 May-Jun; 4(3):266–9

A cooperative venture: preparing minorities for careers in clinical psychology, dental hygiene, and medical technology. Sanchez-Hucles J, et al. **J Allied Health** 1987 May;16(2):147–54

Increasing minorities in academia: the faculty role model [editorial] Mendoza FS. **J Med Educ** 1986 Oct;61(10):850–1

Academic predictors of minority students' acceptance into medical school. Montecinos C, et al. **J Med Educ** 1987 Aug;62(8):678–80

Minority admissions: quo vadis? [editorial] Prieto DO, et al. **J Med Educ** 1987 Aug;62(8):698–700

Evaluation of a preentrance enrichment program for minority students admitted to medical school. Ugbolue A, et al. **J Med Educ** 1987 Jan;62(1):8–16

Farewell address. Overcoming challenges to serve. Jones EI. **J Natl Med Assoc** 1986 Sep;78(9):806–8

Success of minority applicants in the National Residency Matching Program. Jordan WC. **J Natl Med Assoc** 1986 Aug;78(8):737–9

Recruitment strategy for increasing minority enrollment in nursing and other professional schools. Walker ML. **J Nurs Educ** 1987 Apr;26(4):169–71

Leads from the MMWR. Tuberculosis in minorities--United States. **JAMA** 1987 Mar 13;257(10):1291–2

Needle sharing and AIDS in minorities [letter] Brown LS Jr, et al. **JAMA** 1987 Sep 18;258(11):1474–5

Rural medicine/urban responsibilities [editorial] Lanphear JH. **JAMA** 1986 Nov 14;256(18):2567–8

Prevalence of human immunodeficiency virus infection in ethnic minority homosexual/bisexual men [letter] Samuel M, et al. **JAMA** 1987 Apr 10;257(14):1901–2

Nutritional status of minority children--United States, 1986. **MMWR** 1987 Jun 19;36(23):366–9

Tuberculosis in minorities--United States. **MMWR** 1987 Feb 20;36(6):77–80

[Pediatrics and ethnic minorities. I. General problems] Schulpen TW. **Ned Tijdschr Geneeskd** 1987 May 2; 131(18):751–4 **(Dut)**

EDUCATION

Factors that influence minority dental students' career plans. Taylor RW, et al. **J Dent Educ** 1987 Sep;51(9):528–31

Recruitment and retention of minority students in a physician assistant program. Garcia RD, et al. **J Med Educ** 1987 Jun; 62(6):477–84

The effect of a summer MCAT performance improvement program on minority medical student acceptance. Medina MA. **J Natl Med Assoc** 1987 Jul;79(7):727–31

Increasing minority representation in a medical school. Fang WL, et al. **Va Med** 1987 May;114(5):300–1

The distribution of services to the underserved. A comparison of minority and majority medical graduates in California. Davidson RC, et al. **West J Med** 1987 Jan;146(1):114–7

PSYCHOLOGY

A social action model of intervention for difficult to reach populations. Paster VS. **Am J Orthopsychiatry** 1986 Oct; 56(4):625–9

Issues surrounding psychological testing of minority patients. Williams CL. **Hosp Community Psychiatry** 1987 Feb; 38(2):184–9

Minority status, aging, and mental health. Markides KS. **Int J Aging Hum Dev** 1986;23(4):285–300 (73 ref.)

Alcohol use among adolescent minority groups. Welte JW, et al. **J Stud Alcohol** 1987 Jul;48(4):329–36

MINOXIDIL

ADMINISTRATION & DOSAGE

Topical minoxidil. A survey of use and complications. Stern RS. **Arch Dermatol** 1987 Jan;123(1):62–5

Topical minoxidil in male pattern baldness: effects of discontinuation of treatment. Olsen EA, et al. **J Am Acad Dermatol** 1987 Jul;17(1):97–101

Dose-response study of topical minoxidil in male pattern alopecia. Shupack JL, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 2):673–6

The effect of once-daily minoxidil on blood pressure and plasma lipids. Johnson BF, et al. **J Clin Pharmacol** 1986 Sep-Oct;26(7):534–8

Topical minoxidil, scalp hair, and vasodilatation [letter] **Lancet** 1987 May 30;1(8544):1266–7

[Topical minoxidil in the treatment of alopecia areata: dose-dependent response] Peserico A, et al. **G Ital Dermatol Venereol** 1987 Jun;122(6):329–31 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Prolonged hypotension after initial minoxidil dose. Allon M, et al. **Arch Intern Med** 1986 Oct;146(10):2075–6

Minoxidil-induced systemic lupus erythematosus. Tunkel AR, et al. **Arch Intern Med** 1987 Mar;147(3):599–600

A falling out following minoxidil: telogen effluvium [letter] Bamford JT. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):144–6

Deaths occurring during clinical studies of topical minoxidil. Spindler JR. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 2):725–9

Hypertrichosis and congenital anomalies associated with maternal use of minoxidil. Kaler SG, et al. **Pediatrics** 1987 Mar;79(3):434–6

Fetal minoxidil exposure [letter] Rosa FW, et al. **Pediatrics** 1987 Jul;80(1):120

[Minoxidil-induced pericardial effusion] Leinonen H, et al. **Duodecim** 1987;103(4):214–7 **(Fin)**

BLOOD

Minoxidil analysis in human plasma using high-performance liquid chromatography with electrochemical detection. Application to pharmacokinetic studies. Carrum G, et al. **J Chromatogr** 1986 Aug 22;381(1):127–35

PHARMACODYNAMICS

Topical minoxidil does not act as an antiandrogen in the flank organ of the golden Syrian hamster. Nuck BA, et al. **Arch Dermatol** 1987 Jan;123(1):59–61

Minoxidil induces selective regrowth of androgenetic dependent hair [letter] Ramelet AA. **Dermatologica** 1986; 173(6):301–2

Effect of minoxidil on chemotaxis of neutrophils [letter] Koperski JA, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 1):307–8

Effect of minoxidil on pre- and postconfluent keratinocytes. Kubilus J, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 2):648–52

Suppression of fibroblast proliferation and lysyl hydroxylase activity by minoxidil. Murad S, et al. **J Biol Chem** 1987 Sep 5;262(25):11973–8

Time-course of changes in cardiac hypertrophy and pressor mechanisms in two-kidney, one clip hypertensive rats during treatment with minoxidil, enalapril or after uninephrectomy. Leenen FH, et al. **J Hypertens** 1987 Feb; 5(1):73–83

THERAPEUTIC USE

Topical minoxidil therapy for hereditary male pattern alopecia. Roenigk HH Jr, et al. **Cutis** 1987 Apr;39(4):337–42

Topical minoxidil for male pattern alopecia in two sets of twins. Roenigk HH Jr, et al. **Cutis** 1987 Apr;39(4):329

Minoxidil. Fiedler-Weiss VC. **Dermatol Clin** 1987 Jul; 5(3):627–35 (34 ref.)

Topical minoxidil useful in 18% of patients with androgenetic alopecia: a study of 430 cases. Tosti A. **Dermatologica** 1986; 173(3):136–8

Topical minoxidil. A preliminary review of its pharmacodynamic properties and therapeutic efficacy in alopecia areata and alopecia androgenetica. Clissold SP, et al. **Drugs** 1987 Feb;33(2):107–22 (55 ref.)

Felodipine as a replacement for minoxidil in the treatment of severe hypertension. Wathen CG, et al. **Eur Heart J** 1986 Oct;7(10):893–7

Rogaine (topical minoxidil, 2%) in the management of male pattern baldness and alopecia areata. Proceedings of a symposium. Palm Beach, FL, May 17, 1986. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 2):647–750

Androgenetic alopecia treated with topical minoxidil. De Villez RL. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 2):669–72

Potential mechanisms of minoxidil-induced hair growth in alopecia areata. Fiedler-Weiss VC. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 2):653–6

Topical minoxidil solution (1% and 5%) in the treatment of alopecia areata. Fiedler-Weiss VC. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 2):745–8

Use of topical minoxidil as a possible adjunct to hair transplant surgery. A pilot study. Kassimir JJ. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 2):685–7

Long-term efficacy of topical minoxidil in male pattern baldness. Katz HI, et al. **J Am Acad Dermatol** 1987 Mar; 16(3 Pt 2):711–8

Topical minoxidil in early androgenetic alopecia. Kreindler TG. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 2):718–24

Long-term follow-up of men with male pattern baldness treated with topical minoxidil. Olsen EA, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 2):688–95

Effect of ultraviolet light on topical minoxidil-induced hair growth in advanced male pattern baldness. Pestana A, et al. **J Am Acad Dermatol** 1987 May;16(5 Pt 1):971–6

Topical minoxidil (3%) in extensive alopecia areata, including long-term efficacy. Price VH. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 2):737–44

Double-blind, placebo-controlled evaluation of topical minoxidil in extensive alopecia areata. Price VH. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 2):730–6

Androgenetic alopecia: treatment results with topical minoxidil. Roberts JL. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 2):705–10

Use of topical minoxidil in the treatment of male pattern baldness. Savin RC. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 2):696–704

Action of topical minoxidil in the bald stump-tailed macaque. Uno H, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 2):657–68

Minoxidil: hope for the bald? de Groot AC, et al. **Lancet** 1987 May 2;1(8540):1019–22

Minoxidil for male-pattern baldness [letter] de Groot AC, et al. **Lancet** 1987 Sep 5;2(8558):563

Minoxidil for male-pattern baldness [letter] Mitchell AD, et al. **Lancet** 1987 Jun 20;1(8547):1436

Topical minoxidil for baldness. **Med Lett Drugs Ther** 1987 Sep 25;29(749):87–8

Minoxidil for control of acute blood pressure elevation in chronically hypertensive children. Strife CF, et al. **Pediatrics** 1986 Nov;78(5):861–5

Minoxidil in the rapid control of severe hypertension. Chan KW, et al. **Singapore Med J** 1986 Oct;27(5):419–21

[Minoxidil: hope for bald people?] de Groot AC, et al. **Ned Tijdschr Geneeskd** 1987 May 23;131(21):901–5 **(Dut)**

[Minoxidil: hope for bald people? (letter)] van der Sluis I. **Ned Tijdschr Geneeskd** 1987 Jul 18;131(29):1281 **(Dut)**

[Minoxidil in the local treatment of alopecia areata and of androgenous alopecia] De Prost Y. **Ann Dermatol Venereol** 1986;113(5):479–82 **(Fre)**

[The vasodilator minoxidil in the treatment of hypertension] Nekrasova AA, et al. **Kardiologiia** 1987 Feb;27(2):80–3 (Eng. Abstr.) **(Rus)**

TOXICITY

Safety and efficacy of topical minoxidil in the management of androgenetic alopecia. Rietschel RL, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 2):677–85

MINUTE VIRUS OF MICE see under **PARVOVIRIDAE**

MIOPITHECUS TALAPOIN see **CERCOPITHECIDAE**

MIOTICS

ADVERSE EFFECTS

Visual field improvement after neodymium: YAG laser puncture of miotic cysts. Schrems W, et al. **Ophthalmic Surg** 1987 May;18(5):342–3

ISOLATION & PURIFICATION

[Studies on the constituents of Erycibe elliptilimba] Lu Y, et al. **Yao Hsueh Hsueh Pao** 1986 Nov;21(11):829–35 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Influence of sodium hyaluronate on the meiotic effect of pilocarpine in rabbits. Camber O, et al. **Curr Eye Res** 1987 Jun;6(6):779–84

MIREX see under **INSECTICIDES, ORGANOCHLORINE**

MIRROR WRITING see **DOMINANCE, CEREBRAL**

MISARTICULATION see **ARTICULATION DISORDERS**

MISCARRIAGE see **ABORTION**

MISGURUS see **CYPRINIFORMES**

MISONIDAZOLE

Generation of radical anions of nitrofurantoin, misonidazole, and metronidazole by ascorbate. Rao DN, et al. **Arch Biochem Biophys** 1987 Jun;255(2):419–27

Radiosensitizer conjugation to the carcinoma 19-9 monoclonal antibody. Borlinghaus KP, et al. **Cancer Res** 1987 Aug 1;47(15):4071–5

Reaction of 2-nitroimidazole metabolites with guanine and possible biological consequences. Whitmore GF, et al. **IARC Sci Publ** 1986;(70):185–96

Generation of radical anions from metronidazole, misonidazole and azathioprine by photoreduction in the presence of EDTA. Moore DE, et al. **Int J Radiat Biol** 1986 Nov;50(5):885–91

Flash photolysis of misonidazole and metronidazole. Moore DE. **Int J Radiat Biol** 1987 Jan;51(1):45–51

ADMINISTRATION & DOSAGE

Evaluation of CCNU and misonidazole in the treatment of advanced colorectal cancer. Anagnost J, et al. **Am J Clin Oncol** 1987 Jun;10(3):213–5

A comparison of the tumour concentrations obtainable with misonidazole and Ro 03–8799. Dische S, et al. **Br J Radiol** 1986 Sep;59(705):911–7

Potentiation of CCNU activity by misonidazole in metastases. Siemann DW, et al. **Clin Exp Metastasis** 1987 Jan-Mar; 5(1):57–63

Radical radiation and oral and intra-vesical misonidazole for bladder cancer. Abratt RP, et al. **Int J Radiat Oncol Biol Phys** 1987 Jul;13(7):1053–5

ANALOGS & DERIVATIVES

Induction of DNA crosslinks in vitro upon reduction of the nitroimidazole-aziridines RSU-1069 and RSU-1131. O'Neill P, et al. **Biochem Pharmacol** 1987 Jun 1; 36(11):1787–92

Potentiation of RSU-1069 tumour cytotoxicity by 5-hydroxytryptamine (5-HT). Chaplin DJ. **Br J Cancer** 1986 Nov;54(5):727–31

A toxicity and pharmacokinetic study in man of the hypoxic-cell radiosensitiser RSU-1069. Horwich A, et al. **Br J Radiol** 1986 Dec;59(708):1238–40

Reaction of 2-nitroimidazole metabolites with guanine and possible biological consequences. Whitmore GF, et al. **IARC Sci Publ** 1986;(70):185–96

Synthesis and biodistribution of 18F-labeled fluoronitroimidazoles: potential in vivo markers of hypoxic tissue. Jerabek PA, et al. **Int J Rad Appl Instrum [A]** 1986; 37(7):599–605

Variation of the radiosensitizing efficiency of RSU-1069 with pre-irradiation contact times: a rapid mix study. Austen KR, et al. **Int J Radiat Biol** 1987 Aug;52(2):281–8

The effect of hydralazine on the tumor cytotoxicity of the hypoxic cell cytotoxin RSU-1069: evidence for therapeutic gain. Chaplin DJ, et al. **Int J Radiat Oncol Biol Phys** 1987 Apr;13(4):579–85

Cytotoxicity of RSU 1069 in spheroids and murine tumors. Olive PL, et al. **Int J Radiat Oncol Biol Phys** 1987 Sep; 13(9):1361–6

Radiolabeled hypoxic cell sensitizers: tracers for assessment of ischemia. Mathias CJ, et al. **Life Sci** 1987 Jul 13; 41(2):199–206

Characterization of radiolabeled fluoromisonidazole as a probe for hypoxic cells. Rasey JS, et al. **Radiat Res** 1987 Aug;111(2):292–304

In vitro and in vivo radiosensitizing effects of 2-nitroimidazole derivatives with sugar component. Murayama C, et al. **Strahlenther Onkol** 1987 Jun; 163(6):385–90

BLOOD

Misonidazole levels following misonidazole and hyperbaric oxygen exposure [letter] Blekkenhorst G, et al. **Int J Radiat Oncol Biol Phys** 1987 Mar;13(3):469–70

DIAGNOSTIC USE

Synthesis and characterization of congeners of misonidazole for imaging hypoxia. Grunbaum Z, et al. **J Nucl Med** 1987 Jan;28(1):68–75

METABOLISM

Enhanced misonidazole binding in the presence of AF-2. Olive PL. **Radiat Res** 1987 Mar;109(3):490–9

Binding of the hypoxia tracer [3H]misonidazole in cerebral ischemia. Hoffman JM, et al. **Stroke** 1987 Jan-Feb; 18(1):168–76

PHARMACODYNAMICS

Misonidazole and benznidazole inhibit hydroxylation of CCNU by mouse liver microsomal cytochrome *P*-450 in vitro. Lee FY, et al. **Biochem Pharmacol** 1987 Apr 15; 36(8):1349–55

Modulation of the hypoxic toxicity and binding of misonidazole by glucose. Ling LL, et al. **Br J Cancer** 1986 Dec;54(6):911–7

The effects of melphalan and misonidazole on the vasculature of a murine sarcoma. Murray JC, et al. **Br J Cancer** 1987 Mar;55(3):233–8

Oxygen dependence for chemosensitization by misonidazole. Roizin-Towle L, et al. **Br J Cancer** 1986 Dec;54(6):919–24

Enhancement of misonidazole chemopotentiation by mild hyperthermia (41 degrees C) in vitro and selective enhancement in vivo. Mulcahy RT, et al. **Int J Radiat Biol** 1987 Jul;52(1):57–65

Radiosensitization of Chinese hamster cells by oxygen and misonidazole at low X-ray doses. Watts ME, et al. **Int J Radiat Biol** 1986 Dec;50(6):1009–21

Potentiation of in vitro cytotoxic effects of misonidazole on human colon tumor cells by the differentiation-inducing agent N-methylformamide. Arundel CM, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1429–32

Cross-link formation and chemopotentiation of EMT-6/Ro cells exposed to MISO after CCNU treatment in vitro. Mulcahy RT. **Int J Radiat Oncol Biol Phys** 1986 Aug; 12(8):1389–92

Carbamoylation, inhibition of glutathione reductase and chemopotentiation of nitrosoureas by misonidazole. Mulcahy RT. **Int J Radiat Oncol Biol Phys** 1986 Aug; 12(8):1393–5

Radiosensitizing and cytocidal effects of misonidazole: evidence for separate modes of action. Hofer KG, et al. **Radiat Res** 1987 Jul;111(1):130–42

The effect of hypoxic cell sensitizers at different irradiation dose rates. Ling CC, et al. **Radiat Res** 1987 Mar; 109(3):396–406

Radiosensitization by hypoxic pretreatment with misonidazole: an interaction of damage at the DNA level. Taylor YC, et al. **Radiat Res** 1987 Mar;109(3):364–73

[Responses to radiation of Ehrlich ascites tumor cells in the presence of YM-08310 (=WR-2721) and/or Ro-07-0582 (in vivo, in vitro assay)] Ebe K. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Feb 25; 47(2):307–17 (Eng. Abstr.) **(Jpn)**

[Effect of misonidazole on the radiosensitivity of Ehrlich ascites tumor cells] Takeuchi H. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Oct 25; 46(10):1230–9 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

The relationship between the misonidazole "pre-incubation" effect and misonidazole-induced depletion of cellular GSH. McNally NJ, et al. **Br J Radiol** 1987 Jan;60(709):96–9

Retreatment of pediatric brain tumors with radiation and misonidazole. Results of a CCSG/RTOG phase I/II study. Wara WM, et al. **Cancer** 1986 Oct 15;58(8):1636–40

Failure of misonidazole-sensitized radiotherapy to impact upon outcome among stage III-IV squamous cancers of the head and neck. Fazekas J, et al. **Int J Radiat Oncol Biol Phys** 1987 Aug;13(8):1155–60

Phase II trial of misonidazole (MISO) and cyclophosphamide (CYC) in metastatic renal cell carcinoma. Glover D, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1405–8

Radiotherapy with or without misonidazole for patients with stage IIIB or stage IVA squamous cell carcinoma of the uterine cervix: preliminary report of a Radiation Therapy Oncology Group randomized trial. Leibel S, et al. **Int J Radiat Oncol Biol Phys** 1987 Apr;13(4):541–9

A comparison of misonidazole sensitized radiation therapy to radiation therapy alone for the palliation of hepatic

metastases: results of a Radiation Therapy Oncology Group randomized prospective trial. Leibel SA, et al. **Int J Radiat Oncol Biol Phys** 1987 Jul;13(7):1057–64

A randomized comparison of misonidazole sensitized radiotherapy plus BCNU and radiotherapy plus BCNU for treatment of malignant glioma after surgery: final report of an RTOG study. Nelson DF, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1793–800

The radiosensitizing effects of misonidazole (MISO) in combination with diethyl maleate (DEM) in mouse mammary tumors. Ono K, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1843–7

Radiosensitizing effect of misonidazole in combination with an inhibitor of glutathione synthesis in murine tumors. Ono K, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep; 12(9):1661–6

Partial hypoxia as a cause of radioresistance in a human tumor xenograft: its influence illustrated by the sensitizing effect of misonidazole and hyperbaric oxygen. Reynaud-Bougnoux A, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1283–6

Irradiation with misonidazole and hyperbaric oxygen: final report on a randomized trial in advanced head and neck cancer. Sealy R, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1343–6

Combinations of CCNU, MISO, and fractionated radiotherapy. Siemann DW, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1379–82

Large fraction irradiation with or without misonidazole in advanced non-oat cell carcinoma of the lung: a phase III randomized trial of the RTOG. Radiation Therapy Oncology Group. Simpson JR, et al. **Int J Radiat Oncol Biol Phys** 1987 Jun;13(6):861–7

Palliation of advanced pelvic malignant disease with large fraction pelvic radiation and misonidazole: final report of RTOG phase I/II study. Spanos WJ Jr, et al. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1479–82

The role of misonidazole combined with intraoperative radiation therapy in the treatment of pancreatic carcinoma. Tepper JE, et al. **J Clin Oncol** 1987 Apr;5(4):579–84

Toxicity, radiation sensitivity modification, and combined drug effects of ascorbic acid with misonidazole in vivo on FSaII murine fibrosarcomas. Okunieff P, et al. **JNCI** 1987 Aug;79(2):377–81

Misonidazole combined with radiotherapy in the treatment of non-small cell lung cancer. A randomized double-blind trial. Jakobsson M, et al. **Strahlenther Onkol** 1987 Feb; 163(2):90–3

[Esophageal carcinoma: the final results of a multicenter and controlled German study with misonidazole and radiation] Scherer E, et al. **Strahlenther Onkol** 1986 Nov; 162(11):661–6 (Eng. Abstr.) **(Ger)**

[Enhancement of radiation response of SqII mouse tumors by combined treatment with misonidazole, vidarabine, and ACNU] Asakura H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Jan 25; 47(1):74–81 (Eng. Abstr.) **(Jpn)**

MISSIONS AND MISSIONARIES

Working in a missionary hospital—northern Thailand. Inkret W Jr. **Calif Med** 1987 Jul 15;84(12):252–3

Family practice in the tropics. Spann SJ. **Fam Med** 1986 Mar-Apr;18(2):84–6

Directory lists overseas service opportunities for physician volunteers; possible factors outlined for consideration in making decision [news] **JAMA** 1987 May 15; 257(19):2541–50

PHC and medical missionaries [letter] Sabate F. **Trop Doct** 1986 Oct;16(4):154

Medical missionaries and primary health care [letter] Stefanini A. **Trop Doct** 1986 Apr;16(2):81

HISTORY

Lay theory of healing in northwestern New Spain. Kay M. **Soc Sci Med** 1987;24(12):1051–60

MISTLETOE see **VISCUM**

MISUSE, EQUIPMENT see **EQUIPMENT FAILURE**

MITE INFESTATIONS

Chiggers. Jones JG. **Am Fam Physician** 1987 Aug; 36(2):149–52

Pustular folliculitis associated with Demodex folliculorum. Purcell SM, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 2):1159–62

[Demodex and perifollicular inflammation in man: review and report of 69 biopsies] Forton F. **Ann Dermatol Venereol** 1986;113(11):1047–58 (Eng. Abstr.) **(Fre)**

[Ocular demodicosis] Primakov FD. **Oftalmol Zh** 1987; (2):120–1 **(Rus)**

COMPLICATIONS

Extrafacial rosacea is rare but does exist [letter] Ayres S Jr. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):391–2

DIAGNOSIS

Walking dandruff and Cheyletiella dermatitis. Rivers JK, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 2):1130–3

Truncal rashes associated with Demodex. Blondell RD. **J Fam Pract** 1986 Oct;23(4):373–4

[Diagnostic problems of Ornithonyssus bacoti (Acarida: Gamasida: Macronyssidae) infestation in humans] Betke P, et al. **Angew Parasitol** 1987 May;28(2):121–6 (Eng. Abstr.) **(Ger)**

[Dermatitis caused by mites] Tsyrkunov LP, et al. **Med Parazitol (Mosk)** 1987 Jan-Feb;(1):28–32 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of ocular demodicosis in a hospital] Parparov AB, et al. **Voen Med Zh** 1987 Apr;(4):48–50 **(Rus)**

DRUG THERAPY

Rosacea and rosacea-like demodicidosis [letter] Ayres S Jr. **Int J Dermatol** 1987 Apr;26(3):198–9

OCCURRENCE

Ornithonyssus bacoti infestation in laboratory personnel and veterinary students. Ram SM, et al. **Int J Zoonoses** 1986 Jun;13(2):138–40

Some harmful Australian arthropods. Scorpions, mites, ticks and myriapods. Southcott RV. **Med J Aust** 1986 Dec 1–15; 145(11–12):590–5

[Occurrence of Demodex folliculorum hominis in Greenland] Norn MS. **Ugeskr Laeger** 1986 Sep 15;148(38):2402–3 (Eng. Abstr.) **(Dan)**

[Abuje or abujo, Eutrombicula alfreddugesi (Oudemans, 1910) (Acarina:Trombiculidae), a mite of biomedical importance in the eastern provinces in Cuba] de la Cruz J, et al. **Rev Cubana Med Trop** 1986 Jan-Apr;38(1):119–25 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

[Acrodermatosis caused by Ornithonyssus bacoti Hirst (tropical rat mite)] Tarnick M. **Dermatol Monatsschr** 1987; 173(5):272–5 (Eng. Abstr.) **(Ger)**

[Acariasis in children with chronic digestive system diseases] Prisich II, et al. **Med Parazitol (Mosk)** 1986 Jul-Aug; (4):50–1 (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Demodicosis—a rosaceiform dermatosis] Wätzig V, et al. **Dermatol Monatsschr** 1987;173(3):158–62 (Eng. Abstr.) **(Ger)**

TRANSMISSION

Human notoedric scabies from contact with cats infested with Notoedres cati. Chakrabarti A. **Int J Dermatol** 1986 Dec; 25(10):646–8

Cheyletiella blakei, an ectoparasite of cats, as cause of cryptic arthropod infestations affecting humans. Keh B, et al. **West J Med** 1987 Feb;146(2):192–4

VETERINARY

Ultrastructural and microprobe analysis of simian lung mite pigments. Kim JC, et al. **Am J Vet Res** 1987 Mar; 48(3):511–4

Infestivity of Psoroptes ovis on ivermectin-treated cattle. Strickland RK, et al. **Am J Vet Res** 1987 Mar;48(3):342–4

Use of flumethrin for the control of Dermanyssus gallinae in a broiler breeder flock [published erratum appears in Aust Vet J 1987 May;64(5):132] Cooper NA, et al. **Aust Vet J** 1987 Mar;64(3):83

Five cases of psoroptic mange in the domestic donkey (Equus asinus asinus) and treatment with ivermectin. Abu-Samra MT, et al. **Equine Vet J** 1987 Mar;19(2):143–4

Demodex kutzeri sp. n. (Acari: Demodicidae), an identical parasite of two species of deer, Cervus elaphus and C. nippon pseudaxis. Bukva V. **Folia Parasitol (Praha)** 1987; 34(2):173–81

Demodex tauri sp. n. (Acari: Demodicidae), a new parasite of cattle. Bukva V. **Folia Parasitol (Praha)** 1986;33(4):363–9

Diagnosis of ear canker in dogs by bacterial-colony displacement. Goldsmid JM, et al. **J Clin Microbiol** 1987 Jun;25(6):1129–30

Reproductive success of Psoroptes ovis (Acari: Psoroptidae) on Hereford calves with a previous infestation of psoroptic mites. Guillot FS, et al. **J Med Entomol** 1987 Jul; 24(4):416–9

Prevalence and host-parasite list of some nasal mites from birds (Acarina: Rhinonyssidae, Speleognathidae). Spicer GS. **J Parasitol** 1987 Apr;73(2):259–64

Comparison of treatments for Psorergates mites in stumptailed macaques (Macaca arctoides). Bowman TA, et al. **Lab Anim Sci** 1987 Feb;37(1):100–2

Enzyme-linked immunosorbent assay for the detection of antibodies to the sheep scab mite Psoroptes ovis. Wassall DA, et al. **Res Vet Sci** 1987 Jul;43(1):34–5

Control of cattle mange in southern Africa using ivermectin. Soll MD, et al. **Trop Anim Health Prod** 1987 May; 19(2):93–102

Influence of Psoroptes ovis on the energy metabolism of heifer calves. Cole NA, et al. **Vet Parasitol** 1987 Feb; 23(3-4):285–95

Humoral and cellular immunoresponsiveness of stanchioned cattle infested with Psoroptes ovis. Pruett JH, et al. **Vet Parasitol** 1986 Nov;22(1–2):121–33

Systemic efficacy of ivermectin against Dermanyssus gallinae (De Geer, 1778) in fowls. Zeman P. **Vet Parasitol** 1987 Jan;23(1–2):141–6

Use of ivermectin for guinea pig mange [letter] Harvey RG. **Vet Rec** 1987 Apr 4;120(14):351

Prolate pour-ons for the control of sarcoptic and chorioptic mange in cattle. Henderson D, et al. **Vet Rec** 1987 Apr 25;120(17):418–9

Flumethrin: a non-stripping pyrethroid dip for the control of sheep scab. Kirkwood AC, et al. **Vet Rec** 1987 Feb 28; 120(9):197–9

Anorexia and Chirodiscoides caviae infection in a guinea pig (Cavia porcellus). Lumeij JT, et al. **Vet Rec** 1986 Oct 25; 119(17):432

[Detection of Acari in Chiroptera in the Neubrandenburg District (East Germany)] Schmidt E. **Angew Parasitol** 1987 May;28(2):103–7 (Eng. Abstr.) **(Ger)**

[Control of mange mites and sucking and biting lice in cattle with pour-on Bayticol] Stendel W, et al. **DTW** 1986 Oct 8;93(9):450–4 (Eng. Abstr.) **(Ger)**

[Proliferating ability of the lymphocytes of demodectic dogs during immune cell-stimulating therapy] Kraiss A. **Tierarztl Prax** 1987;15(1):63–6 (Eng. Abstr.) **(Ger)**

MITES

House dust mite asthma in China: a review. Chien YK, et al. **Ann Allergy** 1987 Aug;59(2):147–8 (8 ref.)

Allergy to house dust and storage mites in children: epidemiologic observations. Di Berardino L, et al. **Ann Allergy** 1987 Aug;59(2):104–6

Controlled trial of house dust mite avoidance in children with mild to moderate asthma. Gillies DR, et al. **Clin Allergy** 1987 Mar;17(2):105–11

Kawasaki syndrome and house dust mite exposure. Glode MP, et al. **Pediatr Infect Dis** 1986 Nov-Dec;5(6):644–8

Seasonal variability in nasal sensitivity to house dust mite extract. van Wijk RG, et al. **Rhinology** 1987 Mar;25(1):41–8

[New perspectives in the prevention of diseases transmitted by vectors (insects and acarids)] Leclercq M. **Rev Med Liege** 1987 Jun 1;42(11):571–4 **(Fre)**

[Sensitivity of taiga mites to dilor, etafos, izophen, omait and deltanit] Korotkov IuS, et al. **Med Parazitol (Mosk)** 1987 Jan-Feb;(1):37–40 (Eng. Abstr.) **(Rus)**

[Ecological data on house dust mites in the city of Semipalatinsk] Iagofarov FF, et al. **Parazitologiia** 1987 Mar-Apr;21(2):148–51 (Eng. Abstr.) **(Rus)**

ANALYSIS

House dust mites in Caracas, Venezuela. Hurtado I, et al. **Ann Allergy** 1987 Aug;59(2):128–30

Physicochemical characterization of a major protein allergen, Der p I, from the house dust mite, Dermatophagoides pteronyssinus. Amino acid analysis and circular dichroism studies. Stewart GA, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):444–6

Comparison by electroblotting of IgE-binding components in extracts of house dust mite bodies and spent mite culture. Tovey ER, et al. **J Allergy Clin Immunol** 1987 Jan; 79(1):93–102

ANATOMY & HISTOLOGY

Demodex tauri sp. n. (Acari: Demodicidae), a new parasite of cattle. Bukva V. **Folia Parasitol (Praha)** 1986;33(4):363–9

Redescription of Demodex nanus (Acari: Demodicidae) from Rattus norvegicus and R. rattus (Rodentia). Desch CE Jr. **J Med Entomol** 1987 Jan;24(1):19–23

Morphological observations of the eggs, spermatophores, and male/female genitalia of Leptotrombidium fletcheri (Acari: Trombiculidae) by light and scanning electron microscopy. Hastriter MW. **J Med Entomol** 1987 May;24(3):383–9

Two new species of Leptotrombidium (Acari: Actinedida: Trombiculidae), probable vectors of scrub typhus in Thailand. Tanskul PL, et al. **J Med Entomol** 1986 Dec 4;23(6):661–5

Feather mites (Acarina) of the parakeet, Melopsittacus undulatus (Shaw) (Aves: Psittacidae). Atyeo WT, et al. **J Parasitol** 1987 Feb;73(1):203–6

Myobiid mites (Trombidiformes: Myobiidae) associated with the vampire bats (Chiroptera: Phyllostomatidae) and information on host taxonomy deduced from them. Uchikawa K. **J Parasitol** 1987 Jun;73(3):640–5

CLASSIFICATION

Demodex kutzeri sp. n. (Acari: Demodicidae), an identical parasite of two species of deer, Cervus elaphus and C. nippon pseudaxis. Bukva V. **Folia Parasitol (Praha)** 1987; 34(2):173–81

Taxonomic and immunochemical identification of two house dust mites Dermatophagoides farinae and Dermatophagoides microceras. Cunnington AM, et al. **J Allergy Clin Immunol** 1987 Feb;79(2):410–1

Key to larval Euschoengastia (Acari: Trombiculidae) in North America. Wrenn WJ. **J Med Entomol** 1987 Mar; 24(2):221–8

[Detection of Acari in Chiroptera in the Neubrandenburg District (East Germany)] Schmidt E. **Angew Parasitol** 1987 May;28(2):103–7 (Eng. Abstr.) **(Ger)**

[Trichoecius apodemi Fain, Mounting, Lukoschus, 1969 and various other new species of mites (Mycoptidae, Myobiidae, Psorergatidae, Haemogamasidae) among the fauna of Poland] Haitlinger R. **Wiad Parazytol** 1987;

33(1):81–3 (Eng. Abstr.) **(Pol)**
[Acari in housedust of the Brazilian capitals and Fernando de Noronha Island] Galvão AB, et al.
Mem Inst Oswaldo Cruz 1986 Oct–Dec;81(4):417–30 (Eng. Abstr.) **(Por)**

GROWTH & DEVELOPMENT

Vitamin requirements of the European house dust mite, Dermatophagoides pteronyssinus (Acari: Pyroglyphidae), in relation to its fungal association. de Saint Georges-Gridelet D. **J Med Entomol** 1987 Jul;24(4):408–11
[House dust mites (Astigmata; Pyroglyphidae): incidence in domestic housing and results of in vitro cultivation] Schulz KH, et al. **Dermatol Monatsschr** 1987;173(4):183–9 (Eng. Abstr.) **(Ger)**
[Culture of acari and lyophilization] Zamacona Ravelo G, et al. **Alergia** 1986 Oct–Dec;33(4):103–4 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Comparison of Dermatophagoides pteronyssinus allergens from culture medium extract and whole body extract by using the same probe of pooled human serum. Abe T, et al. **Allergy** 1987 Jul;42(5):352–8
Purification and characterization of a major allergen from the house dust mite Dermatophagoides farinae. Holck A, et al. **Allergy** 1986 Aug;41(6):408–17
Enzyme-linked immunosorbent assay for determination of major excrement allergens of house dust mite species D. pteronyssinus, D. farinae and D. microceras. Lind P. **Allergy** 1986 Aug;41(6):442–51
Collection of house dust for analysis of mite allergens. Allergen-reducing effect of a self-administered procedure. Mosbech H, et al. **Allergy** 1986 Jul;41(5):373–8
Natural immunity to dust mites in adults with chronic asthma. I. Mite-specific serum IgG and IgE. Soliman MY, et al. **Am Rev Respir Dis** 1986 Nov;134(5):962–8
The diagnosis of perennial rhinitis due to house dust mite (Dermatophagoides pteronyssinus) demonstrated by nasal provocation tests. Clarke PS. **Ann Allergy** 1987 Jul; 59(1):25–8
Blocking IgG antibodies after rush immunotherapy with mites. Leynadier F, et al. **Ann Allergy** 1986 Nov;57(5):325–9
Increased serum IgE antibodies in institutionalized asthmatic children after a transient return home. The role of house dust mite allergens in the home as a trigger of asthmatic attacks in mite-sensitive patients. Muto K, et al.
Ann Allergy 1986 Oct;57(4):249–52
House dust mite-specific IgE, IgG1, and IgG4 antibodies in patients with perennial rhinitis. Ohashi Y, et al.
Ann Otol Rhinol Laryngol 1987 Jul–Aug;96(4):434–7
House mite dust bronchial asthma: clinical and epidemiological observations. Sirianni MC, et al.
Boll Ist Sieroter Milan 1986;65(5):419–23
House dust mite allergy and atopic eczema: a case report. Barnetson RS, et al. **Br J Dermatol** 1987 Jun;116(6):857–60
Challenge reactions in atopic dermatitis after percutaneous entry of mite antigen. Gondo A, et al. **Br J Dermatol** 1986 Oct;115(4):485–93
Low dose sublingual therapy in patients with allergic rhinitis due to house dust mite. Scadding GK, et al.
Clin Allergy 1986 Sep;16(5):483–91
Potentiation of IgE production to common environmental allergens by storage house dust mite Dermatophagoides farinae. Shibasaki M, et al. **Clin Allergy** 1986 Sep; 16(5):469–82
Lack of allergenic cross-reactivity between storage mites and Dermatophagoides pteronyssinus. van Hage-Hamsten M, et al. **Clin Allergy** 1987 Jan;17(1):23–31
The effect of seasonal and domestic factors on the distribution of Euroglyphus maynei in the homes of Dermatophagoides pteronyssinus allergic patients. Walshaw MJ, et al.
Clin Allergy 1987 Jan;17(1):7–14
Standardized extracts, dust mite, and other arthropods (inhalants). Ford AW, et al. **Clin Rev Allergy** 1987 Feb; 5(1):49–73 (113 ref.)
Dust mite allergy: its clinical significance. Platts-Mills TA, et al. **Hosp Pract [Off]** 1987 Sep 15;22(9):91–3, 97–100
Percutaneous sensitisation to house dust mite may occur naturally in eczema. Carswell F, et al.
Int Arch Allergy Appl Immunol 1987;82(3–4):453–5
Selection and characterization of monoclonal antibodies against a major allergen in Dermatophagoides pteronyssinus. Species-specific and common epitopes in three dermatophagoides species. Horn N, et al.
Int Arch Allergy Appl Immunol 1987;83(4):404–9
Changes of house dust mite-specific IgE, IgG and IgG subclass antibodies during immunotherapy in patients with perennial rhinitis. Nakagawa T, et al.
Int Arch Allergy Appl Immunol 1987;82(1):95–9
Immunogenicity and tolerogenicity of a major house dust mite allergen, Der p I from Dermatophagoides pteronyssinus, in mice and rats. Stewart GA, et al.
Int Arch Allergy Appl Immunol 1987;83(1):44–51
In vitro translation of messenger RNA from the house dust mite Dermatophagoides pteronyssinus. Stewart GA, et al.
Int Arch Allergy Appl Immunol 1987;83(4):384–9
Isolation and characterization of two allergens from Dermatophagoides farinae. Yasueda H, et al.
Int Arch Allergy Appl Immunol 1986;81(3):214–23
Investigations of culture medium-free house dust mites. IV. Cross antigenicity and allergenicity between the house dust mites, Dermatophagoides farinae and D. pteronyssinus. Arlian LG, et al. **J Allergy Clin Immunol** 1987 Mar; 79(3):467–76
Investigations of culture medium-free house dust mites. III. Antigens and allergens of body and fecal extract of Dermatophagoides farinae. Arlian LG, et al.
J Allergy Clin Immunol 1987 Mar;79(3):457–66
Monoclonal immunoassays for major dust mite (Dermatophagoides) allergens, Der p I and Der f I, and quantitative analysis of the allergen content of mite and house dust extracts. Chapman MD, et al.
J Allergy Clin Immunol 1987 Aug;80(2):184–94
Predictive accuracy of late asthmatic reaction to Dermatophagoides pteronyssinus. Crimi E, et al.
J Allergy Clin Immunol 1986 Nov;78(5 Pt 1):908–13
Seasonal variation in dust mite and grass-pollen allergens in dust from the houses of patients with asthma. Platts-Mills TA, et al. **J Allergy Clin Immunol** 1987 May;79(5):781–91
Cross-reacting and species-specific determinants on a major allergen from Dermatophagoides pteronyssinus and D. farinae: development of a radioimmunoassay for antigen P1 equivalent in house dust and dust mite extracts. Platts-Mills TA, et al. **J Allergy Clin Immunol** 1986 Sep; 78(3 Pt 1):398–407
Serum IgE, skin and radioallergosorbent tests for house dust and mites in asthmatic children. Tang RB, et al.
J Asthma 1986;23(5):245–9
A quantitative enzyme-linked immunosorbent assay for Dermatophagoides pteronyssinus-specific immunoglobulin G. Harada S, et al. **J Biochem (Tokyo)** 1987 Jan; 101(1):95–102
Purification of allergens by high-performance liquid chromatography. II Purification of the major allergen of the mite Dermatophagoides pteronyssinus (P1). Rubio N, et al. **J Chromatogr** 1987 Apr 17;392:447–53
Isolation of antigen 19/20 from the mite Dermatophagoides farinae by chromatography on the Mono S column. Svane Mellbye K, et al. **J Chromatogr** 1986 Sep 26;367(1):247–53
Epitope mapping of two major inhalant allergens, Der p I and Der f I, from mites of the genus Dermatophagoides. Chapman MD, et al. **J Immunol** 1987 Sep 1;139(5):1479–84
Antigen Der f I from the dust mite Dermatophagoides farinae: structural comparison with Der p I from Dermatophagoides pteronyssinus and epitope specificity of murine IgG and human IgE antibodies. Heymann PW, et al. **J Immunol** 1986 Nov 1;137(9):2841–7
Antigenicity and allergenicity of body and fecal extracts of the mite Dermatophagoides pteronyssinus (Acari: Pyroglyphidae). Arlian LG, et al. **J Med Entomol** 1987 Mar;24(2):252–9
Specific suppression of antigen-antibody reactions by a dialysate from Dermatophagoides farinae. Koda A, et al.
J Pharmacobiodyn 1987 Feb;10(2):104–11
Isolation and characterization of the main allergen of Dermatophagoides farinae by monoclonal antibodies that recognize IgE related epitopes. Ley V, et al.
Mol Immunol 1986 Dec;23(12):1311–8
House dust mites [editorial] Platts-Mills TA.
New Engl Reg Allergy Proc 1985 Spring;6(2):158–9
Enzyme-linked immunosorbent assay for the detection of antibodies to the sheep scab mite Psoroptes ovis. Wassall DA, et al. **Res Vet Sci** 1987 Jul;43(1):34–5
Demonstration of species-specific sensitization to major allergens of Dermatophagoides species by solid-phase absorption of human IgE antibodies. Lind P, et al.
Scand J Immunol 1987 Jan;25(1):1–10
[The significance of mite antigens in Kawasaki disease] Tang RB, et al.
Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih 1987 Feb;20(1):29–36 (Eng. Abstr.) **(Chi)**
[Does the assay of guanine in housedust allow a quantification of acarus allergens? (letter)] Pauli G, et al. **Presse Med** 1986 Oct 4;15(33):1687 **(Fre)**
[Diagnosis and treatment of allergy to Acaridae] Pécoud A.
Rev Med Suisse Romande 1986 Oct;106(10):889–91 **(Fre)**
[Treatment by HDM (house dust mite) of respiratory tract allergies to house dust acarians. Apropos of 300 cases] Saad H. **Tunis Med** 1986 Jun–Jul;64(6–7):603–6 (Eng. Abstr.) **(Fre)**
[Sensitization to the mites Dermatophagoides pteronyssinus and farinae in patients with asthma and obstructive bronchitis] Debelić M, et al. **Prax Klin Pneumol** 1986 Dec; 40(12):475–7 (Eng. Abstr.) **(Ger)**
[Hyposensitization therapy of nasal allergy—clinical efficacy of polymerized mite antigen] Koseki H.
Nippon Jibiinkoka Gakkai Kaiho 1986 Aug;89(8):1051–63 (Eng. Abstr.) **(Jpn)**
[Specific IgE antibody against dermatophagoides pteronyssinus in nasal secretion and nasal mucosa of asthmatic children with subclinical nasal allergy] Ukai K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Apr; 90(4):577–82 (Eng. Abstr.) **(Jpn)**
[Mites (Acaridae) as a possible cause of upper respiratory diseases in grain elevator operators] Humiczewska M.
Med Pr 1987;38(1):72–8 (Eng. Abstr.) **(Pol)**
[Allergenic mites (Acariformes, Pyroglyphidae) in house dust] Zhëltikova TM, et al. **Biol Nauki** 1987;(3):4–21 (99 ref.) (Eng. Abstr.) **(Rus)**
[Analysis of allergen from Dermatophagoides pteronyssinus (Trouessart, 1897) using Cock's technic] Petrova Iul, et al. **Med Parazitol (Mosk)** 1987 Jan–Feb;(1):26–8 (Eng. Abstr.) **(Rus)**
[Allergenic activity of mites of the genus Dermatophagoides] Berzhets VM, et al.
Zh Mikrobiol Epidemiol Immunobiol 1987 Apr;(4):69–71 (Eng. Abstr.) **(Rus)**
[Effect of mite allergens on the electrophoretic mobility of guinea pig lymphocytes] Sipitsyna NE, et al.
Zh Mikrobiol Epidemiol Immunobiol 1987 Jun;(6):57–60 (Eng. Abstr.) **(Rus)**
[Bronchial provocation test with dermatophagoides in the diagnosis of infantile asthma: sensitivity, specificity and reproducibility] Solé Jover A, et al. **An Esp Pediatr** 1987 Jun;26(6):429–34 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

House dust mites and skin tests in different Australian localities. Green WF, et al. **Aust NZ J Med** 1986 Oct; 16(5):639–43
Mite fauna of dust from passenger trains in Glasgow. Colloff MJ. **Epidemiol Infect** 1987 Feb;98(1):127–30

MICROBIOLOGY

[Experimental study on natural infection, biting and transovarial transmission of epidemic haemorrhagic fever virus in gamasid mites] Li FQ.
Chung Hua Liu Hsing Ping Hsueh Tsa Chih 1986 Aug; 7(4):200–2 (Eng. Abstr.) **(Chi)**
[Methods of a quantitative assessment of rickettsial contents in mites (review of the literature)] Pchelkin AP.
Med Parazitol (Mosk) 1987 Jan–Feb;(1):78–83 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Digestion in the soil predatory mite Pergamasus longicornis (Berlese) (Acari: Mesostigmata: Parasitidae)—detectable hydrolases. Bowman CE. **Comp Biochem Physiol [B]** 1987; 86(2):385–91
Analysis of interspecific relationships in mesostigmatid mites (Acari: Mesostigmata) in the nests of the bank vole (Clethrionomys glareolus (Schreber, 1780)). Daniel M, et al. **Folia Parasitol (Praha)** 1986;33(3):251–64
Reproductive success of Psoroptes ovis (Acari: Psoroptidae) on Hereford calves with a previous infestation of psoroptic mites. Guillot FS, et al. **J Med Entomol** 1987 Jul; 24(4):416–9
Feeding of Cheyletus malaccensis (Acari: Cheyletidae) on human body fluids. Yoshikawa M. **J Med Entomol** 1987 Jan;24(1):46–53
Artificial feeding of northern fowl mites, Ornithonyssus sylviarum (Canestrini and Fanzago) (Acari: Macronyssidae), through membranes. Crystal MM.
J Parasitol 1986 Aug;72(4):550–4
Parasitism of larval Ixodes ticks by chigger mites and fed female Ornithodoros ticks by Ornithodoros males. Oliver JH Jr, et al. **J Parasitol** 1986 Oct;72(5):811–2
Host–parasite coevolution. The mite pockets of lizards [news] Benton MJ. **Nature** 1987 Jan 29–Feb 4;325(6103):391–2

RADIATION EFFECTS

Effects of gamma radiation on development, sterility, fecundity, and sex ratio of Dermanyssus gallinae (DeGeer) (Acari: Dermanyssidae). Entrekin DL, et al. **J Parasitol** 1987 Jun;73(3):549–54
[Effect of UV rays on parasitic arthropods. 2. In vitro studies on the effect of one-time UV-irradiation on the developmental stages of Psoroptes cuniculi (Acaridida: Psoroptidae)] Gehrt M, et al. **Arch Exp Veterinarmed** 1987 May;41(3):332–44 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

[Acrodermatosis caused by Ornithonyssus bacoti Hirst (tropical rat mite)] Tarnick M. **Dermatol Monatsschr** 1987; 173(5):272–5 (Eng. Abstr.) **(Ger)**

MITHRAMYCIN

ANALOGS & DERIVATIVES

[Effect of the antibiotic variamycin on the growth of a rabbit brain tumor] Kondakov LI, et al.
Antibiot Med Biotekhnol 1986 Aug;31(8):620–4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Effects of mithramycin on transplantable canine perianal gland carcinoma (CAC-9) in nude mice: biochemical, histomorphometric, and ultrastructural investigations. Nishikawa S, et al. **Vet Pathol** 1986 Nov;23(6):698–705

MITOBRONITOL see under **MANNITOL**

MITOCHONDRIA

Membrane pathology. **Ann NY Acad Sci** 1986;488:1–587
The simultaneous symbiotic origin of mitochondria, chloroplasts, and microbodies. Cavalier-Smith T.
Ann NY Acad Sci 1987;503:55–71 (71 ref.)
Abstracts from the satellite symposium at the 28th annual meeting of the JSCN on mitochondrial myopathies and mitochondrial encephalopathies and related problems.

Japanese Society of Child Neurology. May 31, 1986, Tokyo. **Brain Dev** 1987;9(2):248–51

Mitochondrial cytopathy with lactic acidosis, carnitine deficiency and DeToni–Fanconi–Debré syndrome. Kitano A, et al. **Brain Dev** 1986;8(3):289–95

Structure and function of mitochondria: their organization and disorders. Ozawa T, et al. **Brain Dev** 1987;9(2):76–81 (20 ref.)

Clinical improvement after administration of coenzyme Q10 in a patient with mitochondrial encephalomyopathy. Goda S, et al. **J Neurol** 1987 Jan;234(1):62–3

Peripheral neuropathy in mitochondrial disease. Pezeshkpour G, et al. **J Neurol Sci** 1987 Feb;77(2–3):285–304

Familial mitochondrial encephalomyopathy with stroke-like episodes and episodic disturbances of consciousness: a study of pedigree including three generations with multisystemic abnormalities. Shimoji A, et al.
Jpn J Psychiatry Neurol 1987 Mar;41(1):47–55

Eukaryotes with no mitochondria [news] Cavalier-Smith T. **Nature** 1987 Mar 26–Apr 1;326(6111):332–3

Regulatory interactions between mitochondrial genes: exon and intron phenotypes observed in vivo can be expressed in vitro. Steinkeler JA, et al. **Plasmid** 1980 Jul;4(1):17–33

[A case of mitochondrial encephalomyopathy with nephrotic syndrome] Tanaka K, et al. **Rinsho Shinkeigaku** 1986 Nov; 26(11):1190–6 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Phospholipid and fatty acid composition in mitochondria from spinach (Spinacia oleracea) leaves and petioles. A comparative study. Edman K, et al. **Biochem J** 1987 Apr 15;243(2):575–8

Effect of a zinc-deficient diet on mitochondrial and microsomal lipid composition in TEPC-183 plasmacytoma. Burke JP, et al. **Biochem Med Metab Biol** 1987 Apr; 37(2):148–56

Why do chloroplasts and mitochondria contain so many copies of their genome? Bendich AJ. **Bioessays** 1987 Jun; 6(6):279–82

Anthracycline photoaffinity labeling of a mitochondrial polypeptide in P388 murine leukemic cell lines. Averbuch SD, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6120–4

Brown adipose tissue uncoupling protein content in human infants, children and adults. Lean ME, et al. **Clin Sci** 1986 Sep;71(3):291–7

Complete amino-acid sequence of the natural ATPase inhibitor from the mitochondria of the yeast Candida utilis. Dianoux AC, et al. **Eur J Biochem** 1987 Feb 16; 163(1):155–60

Rearranged coding segments, separated by a transfer RNA gene, specify the two parts of a discontinuous large subunit ribosomal RNA in Tetrahymena pyriformis mitochondria. Heinonen TY, et al. **J Biol Chem** 1987 Feb 25; 262(6):2879–87

Purification and characterization of Saccharomyces cerevisiae mitochondrial elongation factor Tu. Rosenthal LP, et al. **J Biol Chem** 1987 Aug 15;262(23):10955–9

Electron probe analysis of calcium content and movements in sarcoplasmic reticulum, endoplasmic reticulum, mitochondria, and cytoplasm. Somlyo AP, et al.
J Cardiovasc Pharmacol 1986;8 Suppl 8:S42–7 (57 ref.)

Effect of mitochondrial cytochromes and haem content on cytochrome P450 in Saccharomyces cerevisiae. Meusadoerffer F, et al. **J Gen Microbiol** 1986 Aug;132 (Pt 8):2187–93

Fluorescent probes that stain living nerve terminals. Magrassi L, et al. **J Neurosci** 1987 Apr;7(4):1207–14

The ubiquitous potential Z-forming sequence of eucaryotes, (dT-dG)n . (dC-dA)n, is not detectable in the genomes of eubacteria, archaebacteria, or mitochondria. Gross DS, et al. **Mol Cell Biol** 1986 Aug;6(8):3010–3

Nucleotide sequence of the large ribosomal RNA of honeybee mitochondria. Vlasak I, et al.
Nucleic Acids Res 1987 Mar 11;15(5):2388

Mitochondrial protein synthesis in interspecific somatic cell hybrids. Zuckerman SH, et al. **Somatic Cell Mol Genet** 1986 Sep;12(5):449–58

DRUG EFFECTS

Gossypol-induced damage to mitochondria of transformed Sertoli cells. Robinson JM, et al. **Am J Pathol** 1986 Dec; 125(3):484–92

Effect of verapamil on rhodamine 123 mitochondrial damage in adriamycin resistant cells. Tapiero H, et al.
Anticancer Res 1986 Sep–Oct;6(5):1073–6

Effect of calmodulin inhibitors on viability and mitochondrial potential of Plasmodium falciparum in culture. Geary TG, et al. **Antimicrob Agents Chemother** 1986 Nov;30(5):785–8

On the interaction between anthralin and mitochondria: a revision. Fuchs J, et al. **Arch Dermatol Res** 1986; 279(1):59–65

Involvement of long-chain acyl CoA in the antagonistic effects of halothane and L-carnitine on mitochondrial energy-linked processes. Branca D, et al.
Biochem Biophys Res Commun 1986 Aug 29;139(1):303–7

Effects on mitochondrial metabolism of CCA, one inducer of neuroblastoma differentiation. Vayssiere JL, et al.
Biochem Biophys Res Commun 1986 Nov 14;140(3):789–96

Chlortetracycline and the transmembrane potential of the inner membrane of plant mitochondria. Møller IM, et al.
Biochem J 1986 Aug 1;237(3):765–71

Studies on the effects of the narcotic alkaloids, cocaine, morphine, and codeine on nonenzymatic lipid peroxidation in rat brain mitochondria. Das NP, et al.
Biochem Med Metab Biol 1987 Apr;37(2):258–64

L-carnitine effect on halothane-treated mitochondria. Toninello A, et al. **Biochem Pharmacol** 1986 Nov 15; 35(22):3961–4

Hematoporphyrin and hematoporphyrin-derivative photosensitization of mitochondria. Salet C. **Biochimie** 1986 Jun;68(6):865–8 (19 ref.)

Effects of ascorbate ions on intracellular fluorescein emission polarization spectra in cancer and normal proliferating cells. Cercek L, et al. **Cancer Detect Prev** 1987;10(1–2):1–20

Mitochondrial changes and associated alterations induced in mice by streptozotocin administered in vivo and in vitro. Boquist L, et al. **Diabetes Res Clin Pract** 1987 Jul–Aug; 3(4):179–90

Cell membrane changes induced by lonidamine in human erythrocytes and T lymphocytes, and Ehrlich ascites tumor cells. De Martino C, et al. **Exp Mol Pathol** 1987 Feb; 46(1):15–30

Gossypol effects on cultured normal and malignant melanocytes. Hu F, et al. **In Vitro Cell Dev Biol** 1986 Oct; 22(10):583–8

The mechanism of lead-induced mitochondrial Ca2+ efflux. Chávez E, et al. **J Bioenerg Biomembr** 1987 Jun; 19(3):285–95

Effects of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine and 1-methyl-4-phenylpyridinium ion on activities of the enzymes in the electron transport system in mouse brain. Mizuno Y, et al. **J Neurochem** 1987 Jun;48(6):1787–93

Salicylate and mitochondrial monoamine oxidase function in Reye's syndrome. Faraj BA, et al. **J Pharm Sci** 1987 Jun; 76(6):423–6

MPTP, MPP+ and mitochondrial function. Nicklas WJ, et al. **Life Sci** 1987 Feb 23;40(8):721–9

Inhibitory action of the antitumor agent lonidamine on mitochondrial respiration of Trypanosoma cruzi and T. brucei. Turrens JF. **Mol Biochem Parasitol** 1986 Sep; 20(3):237–41

Mitochondrial mutagenesis in yeast: mutagenic specificity of EMS and the effects of RAD9 and REV3 gene products. Smolińska U. **Mutat Res** 1987 Aug;179(2):167–74

Inhibited efficiency of kidney mitochondria isolated from rats treated with cyclosporin A. Jung K, et al. **Nephron** 1987; 45(1):43–5

Mitochondrial alterations in the brain of the rat caused by chlorphentermine. Zychlinski L, et al.
Neuropharmacology 1986 Oct;25(10):1111–7

Dietary fat source influences neuronal mitochondrial monoamine oxidase activity and macronutrient selection in rats. Crane SB, et al. **Pharmacol Biochem Behav** 1987 May;27(1):1–6

Intramitochondrial dyes allow selective in vitro photolysis of carcinoma cells. Oseroff AR, et al.
Proc Natl Acad Sci USA 1986 Dec;83(24):9729–33

Interaction with mitochondria of the anthracycline cytostatics adriamycin and daunomycin. Porumb H, et al. **Prog Biophys Mol Biol** 1986;48(2):103–25 (68 ref.)

Influence of cytarabine on mitochondrial function and mitochondrial biogenesis. Muus P, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):245–50

Interactions of mitochondrial inhibitors with methylmercury on spontaneous quantal release of acetylcholine. Levesque PC, et al. **Toxicol Appl Pharmacol** 1987 Feb;87(2):315–24

Alteration of mitochondrial structure and heme biosynthetic parameters in liver and kidney cells by bismuth. Woods JS, et al. **Toxicol Appl Pharmacol** 1987 Sep 15;90(2):274–83

Cimetidine inhibits cerebral and hepatic mitochondrial respiration in rat. Ghersi-Egea JF, et al. **Toxicol Lett** 1986 Dec;34(2–3):253–9

Inhibitory effect of cyclosporine on the respiratory efficiency of isolated human kidney mitochondria. Jung K, et al.
Transplantation 1987 Jan;43(1):162–3

[Effect of glucocorticoid hormones on NADH and succinate oxidation by rat brain and liver mitochondria] Vol'skiĭ GG, et al. **Nerv Sist** 1986;25:88–97 **(Rus)**

[Ultrastructural changes in the mitochondria of Retzius' neuron exposed to hydrocortisone] Mashanskiĭ VM, et al. **Tsitologiia** 1986 Aug;28(8):876–8 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Age-dependence of the rat Leydig cell and Sertoli cell function. Development of the peripheral testosterone level and its relation to mitochondrial and microsomal cytochromes P-450 and to androgen-binding protein. Kühn-Velten N, et al. **Acta Endocrinol (Copenh)** 1987 Jun; 115(2):275–81

Mitochondrial ATPase. Penefsky HS. **Adv Enzymol** 1979; 49:223–80 (213 ref.)

Assay of 25-hydroxy vitamin D3-1 alpha-hydroxylase in pig kidney mitochondria using isotope dilution-mass spectrometry. Holmberg I, et al. **Anal Biochem** 1986 Dec; 159(2):317–22

Differential expression of the genes for the mitochondrial and cytosolic forms of phosphoenolpyruvate carboxykinase. Hod Y, et al. **Ann NY Acad Sci** 1986; 478:31–45 (102 ref.)

Subfractionation of the outer membrane of rat brain mitochondria: evidence for the existence of a domain containing the porin-hexokinase complex. Dorbani L, et al. **Arch Biochem Biophys** 1987 Jan;252(1):188–96

2-Oxoglutarate dehydrogenase and pyruvate dehydrogenase activities in plant mitochondria: interaction via a common coenzyme a pool. Dry IB, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):92–9

Import and processing of P-450SCC and P-450(11) beta precursors by corpus luteal mitochondria: a processing pathway recognizing homologous and heterologous precursors. Matocha MF, et al. **Arch Biochem Biophys** 1986 Nov 1;250(2):456–60

Regulation of the mitochondrial ATP synthase/ATPase complex. Schwerzmann K, et al. **Arch Biochem Biophys** 1986 Oct;250(1):1–18 (104 ref.)

Cytochrome b is necessary for the effective processing of core protein I and the iron-sulfur protein of complex III in the mitochondria. Sen K, et al.
Arch Biochem Biophys 1986 Nov 15;251(1):239–49

Mitochondrial malate dehydrogenase and its precursor have different conformations. Chien SM, et al.
Biochem Biophys Res Commun 1986 Nov 26;141(1):313–8

Localization of enzyme for heme attachment to apocytochrome c in yeast mitochondria. Enosawa S, et al. **Biochem Biophys Res Commun** 1986 Dec 30; 141(3):1145–50

Inhibition of mitochondrial NADH-ubiquinone oxidoreductase activity by 1-methyl-4-phenylpyridinium ion. Mizuno Y, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):294–9

Evidence for a role of a vicinal dithiol in catalysis and proton pumping in mitochondrial nicotinamide nucleotide transhydrogenase. Persson B, et al.
Biochem Biophys Res Commun 1987 Jan 30;142(2):573–8

2,3-Bisphosphoglycerate protects mitochondrial and cytosolic proteins from proteolytic inactivation. Roche E, et al. **Biochem Biophys Res Commun** 1987 Feb 13; 142(3):680–7

Isolation and characterization of a mitochondrial RNA polymerase from Drosophila melanogaster. Goldenthal M, et al. **Biochem Cell Biol** 1987 Feb;65(2):173–82

Effect of diabetes, adrenalectomy and hypophysectomy on D-3-hydroxybutyrate dehydrogenase activity and substrate oxidation by rat mitochondria. Bedetti CD, et al. **Biochem Int** 1987 Jan;14(1):45–54

Immunological analysis of plant mitochondrial NADH dehydrogenases. Cottingham IR, et al. **Biochem J** 1986 May 15;236(1):201–7

Intertissue differences in the hysteretic behaviour of carnitine palmitoyltransferase in the presence of malonyl-CoA. Lloyd AC, et al. **Biochem J** 1986 Jul 1;237(1):289–91

Comparative development of the pyruvate dehydrogenase complex and citrate synthase in rat brain mitochondria. Malloch GD, et al. **Biochem J** 1986 Sep 15;238(3):729–36

Effects of Ca2+ and Mg2+ on the activity of pyruvate dehydrogenase phosphate phosphatase within toluene-permeabilized mitochondria. Midgley PJ, et al.
Biochem J 1987 Jan 15;241(2):371–7

Immunoblot analysis of glutaminase peptides in intact and solubilized mitochondria isolated from various rat tissues. Shapiro RA, et al. **Biochem J** 1987 Mar 15;242(3):743–7

Effect of methylglyoxal bis(guanylhydrazone) on hepatic, heart and skeletal muscle mitochondrial carnitine palmitoyltransferase and beta-oxidation of fatty acids. Brady LJ, et al. **Biochem Pharmacol** 1987 Feb 15; 36(4):447–52

Fuel selection in animals. Randle PJ. **Biochem Soc Trans** 1986 Oct;14(5):799–806 (71 ref.)

Structure and function of the mitochondrial ubiquinol: cytochrome c reductase and NADH: ubiquinone reductase. Weiss H, et al. **Biochem Soc Trans** 1987 Feb;15(1):100–2

Changes in the levels of translatable glutaminase mRNA during onset and recovery from metabolic acidosis. Tong J, et al. **Biochemistry** 1987 May 19;26(10):2773–7

Inhibition of NADH-ubiquinone reductase activity by N,N'-dicyclohexylcarbodiimide and correlation of this inhibition with the occurrence of energy-coupling site 1 in various organisms. Yagi T. **Biochemistry** 1987 May 19; 26(10):2822–8

Structure of mitochondrial F1-ATPase studied by electron microscopy and image processing. Boekema EJ, et al.
Biochim Biophys Acta 1986 Oct 8;851(3):353–60

Regulation of mitochondrial hexokinase in cultured HT 29 human cancer cells. An ultrastructural and biochemical study. Denis-Pouxviel C, et al. **Biochim Biophys Acta** 1987 Sep 3;902(3):335–48

Purification of highly active cytochrome bc1 compiexes from phylogenetically diverse species by a single chromatographic procedure. Ljungdahl PO, et al.
Biochim Biophys Acta 1987 May 6;891(3):227–41

Bilirubin inhibition of enzymes involved in the mitochondrial malate-aspartate shuttle. McLoughlin DJ, et al.
Biochim Biophys Acta 1987 Aug 12;893(1):7–12

Purification and characterization of an inducible mitochondrial DNA polymerase from Tetrahymena thermophila. Ostergaard E, et al. **Biochim Biophys Acta** 1987 Feb 27;908(2):150–7

The localization of cholinephosphotransferase in the outer membrane of guinea-pig lung mitochondria. Sikpi MO, et al. **Biochim Biophys Acta** 1987 May 12;899(1):35–43

Structure-function relationship of mitochondrial malate dehydrogenase at high dilution and in multicomponent systems. Jaenicke R, et al. **Biol Chem Hoppe Seyler** 1987 Jul;368(7):871–8

Photosensitizing effects of Photofrin II on the site-selected

mitochondrial enzymes adenylate kinase and monoamine oxidase. Murant RS, et al. **Cancer Res** 1987 Aug 15; 47(16):4323–8

A protein required for splicing group I introns in Neurospora mitochondria is mitochondrial tyrosyl–tRNA synthetase or a derivative thereof. Akins RA, et al. **Cell** 1987 Jul 31; 50(3):331–45

Effect of fluoride on Ca2+– and Mg2+–stimulated ATPase in mitochondria of rat lung. Suketa Y, et al. **Chem Pharm Bull (Tokyo)** 1977 May;25(5):1094–7

Mitochondrial aspartate aminotransferase linked to immunoglobulin G of the kappa–lambda type: report of a case. Moriyama T, et al. **Clin Chim Acta** 1986 Nov 15; 160(3):297–305

Seven unidentified reading frames of human mitochondrial DNA encode subunits of the respiratory chain NADH dehydrogenase. Attardi G, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:103–14

Localization of cytochrome C oxidase and cytochrome C peroxidase in mitochondria of Hymenolepis diminuta (Cestoda). McKelvey JR, et al. **Comp Biochem Physiol [B]** 1986;85(2):333–5

Phospholipid dependency of carp brain and liver mitochondrial monoamine oxidase. Suh YH, et al. **Comp Biochem Physiol [C]** 1986;85(2):401–7

Species differences in lung mitochondrial monoamine oxidase activities. Zychlinski L, et al. **Comp Biochem Physiol [C]** 1987;86(2):325–8

Three ATPase activities have an abnormal developmental time course in trembler sciatic nerves. Bürgisser P, et al. **Dev Neurosci** 1987;9(1):45–52

Yeast mitochondrial ATPase subunit 8, normally a mitochondrial gene product, expressed in vitro and imported back into the organelle. Gearing DP, et al. **EMBO J** 1986 Dec 20;5(13):3651–5

Three suppressor mutations which cure a mitochondrial RNA maturase deficiency occur at the same codon in the open reading frame of the nuclear NAM2 gene. Labouesse M, et al. **EMBO J** 1987 Mar;6(3):713–21

Targeting efficiency of a mitochondrial pre–sequence is dependent on the passenger protein. Van Steeg H, et al. **EMBO J** 1986 Dec 20;5(13):3643–50

Independent mutations at the amino terminus of a protein act as surrogate signals for mitochondrial import. Vassarotti A, et al. **EMBO J** 1987 Mar;6(3):705–11

Import of cytochrome c into mitochondria. Cytochrome c heme lyase. Nicholson DW, et al. **Eur J Biochem** 1987 Apr 1;164(1):147–57

Subunit 4 of ATP synthase (F0F1) from yeast mitochondria. Purification, amino–acid composition and partial N–terminal sequence. Velours J, et al. **Eur J Biochem** 1987 May 4;164(3):579–84

Evidence for a signal peptide at the amino–terminal end of human mitochondrial aldehyde dehydrogenase. Braun T, et al. **FEBS Lett** 1987 May 11;215(2):233–6

Amino acid substitutions in mitochondrial ATPase subunit 6 of Saccharomyces cerevisiae leading to oligomycin resistance. John UP, et al. **FEBS Lett** 1986 Oct 20; 207(1):79–83

Transport of F1–ATPase subunit beta into mitochondria depends on both a membrane potential and nucleoside triphosphates. Pfanner N, et al. **FEBS Lett** 1986 Dec 15; 209(2):152–6

PET111, a Saccharomyces cerevisiae nuclear gene required for translation of the mitochondrial mRNA encoding cytochrome c oxidase subunit II. Poutre CG, et al. **Genetics** 1987 Apr;115(4):637–47

Mitochondrial oxidative capacity in gestosic pregnancy. Ottavi I, et al. **Int J Tissue React** 1987;9(3):263–5

Glyoxysomal and mitochondrial malate dehydrogenase in watermelon cotyledons. Gietl C, et al. **Isozymes Curr Top Biol Med Res** 1987;16:175–92

Purification and some properties of short chain–length specific trans–2–enoyl–CoA reductase in mitochondria of Euglena gracilis. Inui H, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):995–1000

Characterization of a mitochondrial matrix protease catalyzing the processing of adrenodoxin precursor. Kumamoto T, et al. **J Biochem (Tokyo)** 1986 Jul; 100(1):247–54

On the role of subunit III in proton translocation in cytochrome c oxidase. Prochaska LJ, et al. **J Bioenerg Biomembr** 1987 Apr;19(2):143–66 (90 ref.)

The interaction of yeast citrate synthase with yeast mitochondrial inner membranes. Brent LG, et al. **J Biol Chem** 1987 Jan 5;262(1):319–25

Purification and properties of the catalytic subunit of the branched–chain alpha–keto acid dehydrogenase phosphatase from bovine kidney mitochondria. Damuni Z, et al. **J Biol Chem** 1987 Apr 15;262(11):5129–32

Purification and characterization of a divalent cation–independent, spermine–stimulated protein phosphatase from bovine kidney mitochondria. Damuni Z, et al. **J Biol Chem** 1987 Apr 15;262(11):5133–8

The molecular basis of inhibitor resistance in a mammalian mitochondrial cytochrome b mutant. Howell N, et al. **J Biol Chem** 1987 Feb 15;262(5):2411–4

Adrenic acid content in rat adrenal mitochondrial phosphatidylethanolamine and its relation to ACTH–mediated stimulation of cholesterol side chain cleavage reaction. Igarashi Y, et al. **J Biol Chem** 1986 Oct 25;261(30):14118–24

Subunit VII, the ubiquinone–binding protein, of the cytochrome b–c1 complex of yeast mitochondria is involved in electron transport at center o and faces the matrix side of the membrane. Japa S, et al. **J Biol Chem** 1987 Apr 25;262(12):5441–4

Expression of cDNAs encoding the precursor and the mature form of chicken mitochondrial aspartate aminotransferase in Escherichia coli. Jaussi R, et al. **J Biol Chem** 1987 Sep 15;262(26):12434–7

Isolation and characterization of the yeast gene coding for the alpha subunit of mitochondrial phenylalanyl–tRNA synthetase. Koerner TJ, et al. **J Biol Chem** 1987 Mar 15; 262(8):3690–6

Cholesterol sulfate inhibits adrenal mitochondrial cholesterol side chain cleavage at a site distinct from cytochrome P–450scc. Evidence for an intramitochondrial cholesterol translocator. Lambeth JD, et al. **J Biol Chem** 1987 Jul 5; 262(19):9181–8

COX8, the structural gene for yeast cytochrome c oxidase subunit VIII. DNA sequence and gene disruption indicate that subunit VIII is required for maximal levels of cellular respiration and is derived from a precursor which is extended at both its NH2 and COOH termini. Patterson TE, et al. **J Biol Chem** 1986 Dec 25;261(36):17192–7

Distinct steps in the import of ADP/ATP carrier into mitochondria. Pfanner N, et al. **J Biol Chem** 1987 Jun 5; 262(16):7528–36

Specificity factor of yeast mitochondrial RNA polymerase. Purification and interaction with core RNA polymerase. Schinkel AH, et al. **J Biol Chem** 1987 Sep 15; 262(26):12785–91

Nuclear genes encoding the yeast mitochondrial ATPase complex. Analysis of ATP1 coding the F1–ATPase alpha–subunit and its assembly. Takeda M, et al. **J Biol Chem** 1986 Nov 15;261(32):15126–33

Assembly of the mitochondrial membrane system. Characterization of COR1, the structural gene for the 44–kilodalton core protein of yeast coenzyme QH2–cytochrome c reductase. Tzagoloff A, et al. **J Biol Chem** 1986 Dec 25;261(36):17163–9

Sequences distal to the mitochondrial targeting sequences are necessary for the maturation of the F1–ATPase beta–subunit precursor in mitochondria. Vassarotti A, et al. **J Biol Chem** 1987 Jan 5;262(1):411–8

A single precursor protein for two separable mitochondrial enzymes in Neurospora crassa. Wandinger–Ness AU, et al. **J Biol Chem** 1987 Apr 25;262(12):5823–30

A mitochondrial DNA polymerase from embryos of Drosophila melanogaster. Purification, subunit structure, and partial characterization. Wernette CM, et al. **J Biol Chem** 1986 Nov 5;261(31):14764–70

Adaptation of skeletal muscle to increased contractile activity. Expression nuclear genes encoding mitochondrial proteins. Williams RS, et al. **J Biol Chem** 1987 Feb 25; 262(6):2764–7

Characterization of COX9, the nuclear gene encoding the yeast mitochondrial protein cytochrome c oxidase subunit VIIa. Subunit VIIa lacks a leader peptide and is an essential component of the holoenzyme. Wright RM, et al. **J Biol Chem** 1986 Dec 25;261(36):17183–91

Association of tyrosine protein kinase activity with mitochondria in human fibroblasts. Piedimonte G, et al. **J Cell Biochem** 1986;32(2):113–23

The ornithine transcarbamylase leader peptide directs mitochondrial import through both its midportion structure and net positive charge. Horwich AL, et al. **J Cell Biol** 1987 Aug;105(2):669–77

Carbonic anhydrase cytochemistry in mitochondria–rich cells of salamander larvae gill epithelium as related to age and H+ and Na+ concentrations. Lewinson D, et al. **J Cell Physiol** 1987 Jan;130(1):125–32

Enzyme activities in cytoplasm, mitochondria and peroxisomes in dermatofibrosarcoma protuberans. Shindo Y, et al. **J Dermatol (Tokyo)** 1986 Aug;13(4):304–6

Deficiency of uncoupler–stimulated adenosine triphosphatase activity in yeast mitochondria. Ezzahid Z, et al. **J Gen Microbiol** 1986 May;132 (Pt 5):1153–8

Succinate dehydrogenase and mitochondria in the hair cells in the organ of Corti of mature and old shaker–1 mice. Tao ZZ, et al. **J Laryngol Otol** 1987 Jul;101(7):643–51

H+–ATPases from mitochondria, plasma membranes, and vacuoles of fungal cells. Bowman BJ, et al. **J Membr Biol** 1986;94(2):83–97 (170 ref.)

Three–dimensional structure of NADH: ubiquinone reductase (complex I) from Neurospora mitochondria determined by electron microscopy of membrane crystals. Leonard K, et al. **J Mol Biol** 1987 Mar 20;194(2):277–86

Phosphate–activated glutaminase in the crude mitochondrial fraction (P2 fraction) from human brain cortex. Svenneby G, et al. **J Neurochem** 1986 Nov;47(5):1351–5

Amethocaine–induced inhibition of mitochondrial monoamine oxidase activity. Haque SJ, et al. **J Pharm Pharmacol** 1986 Nov;38(11):858–60

Influence of age on mitochondrial enzyme levels in Drosophila. Massie HR, et al. **Mech Ageing Dev** 1987 Apr; 38(2):119–26

Monoamine oxidase A and B from human liver and brain. Abell CW. **Methods Enzymol** 1987;142:638–50

Preparation of the flavin–containing aromatic amine oxidases of human placenta and beef liver. Salach JI, et al. **Methods Enzymol** 1987;142:627–37

Structure and expression of the overlapping ND4L and ND5 genes of Neurospora crassa mitochondria. Nelson MA, et al. **MGG** 1987 Feb;206(2):307–17

Three class I introns in the ND4L/ND5 transcriptional unit of Neurospora crassa mitochondria. Nelson MA, et al. **MGG** 1987 Feb;206(2):318–25

The yeast nuclear gene CBS1 is required for translation of mitochondrial mRNAs bearing the cob 5' untranslated leader. Rödel G, et al. **MGG** 1987 Jan;206(1):45–50

De novo sn–glycerol–3–phosphorylcholine synthetase activity in lung and muscle and its subcellular location. Infante JP. **Mol Cell Biochem** 1986 Aug;71(2):135–7

Amino–terminal fragments of delta 1–pyrroline–5–carboxylate dehydrogenase direct beta–galactosidase to the mitochondrial matrix in Saccharomyces cerevisiae. Brandriss MC, et al. **Mol Cell Biol** 1986 Oct;6(10):3502–12

RNase P activity in the mitochondria of Saccharomyces cerevisiae depends on both mitochondrion and nucleus–encoded components. Hollingsworth MJ, et al. **Mol Cell Biol** 1986 Apr;6(4):1058–64

The nine amino–terminal residues of delta–aminolevulinate synthase direct beta–galactosidase into the mitochondrial matrix. Keng T, et al. **Mol Cell Biol** 1986 Feb;6(2):355–64

Primary structure requirements for correct sorting of the yeast mitochondrial protein ADH III to the yeast mitochondrial matrix space. Pilgrim D, et al. **Mol Cell Biol** 1987 Jan;7(1):294–304

Mitochondrial and nonmitochondrial citrate synthases in Saccharomyces cerevisiae are encoded by distinct homologous genes. Rosenkrantz M, et al. **Mol Cell Biol** 1986 Dec;6(12):4509–15

Targeting of bacterial chloramphenicol acetyltransferase to mitochondria in transgenic plants. Boutry M, et al. **Nature** 1987 Jul 23–29;328(6128):340–2

The effect of 2–oxoglutarate or 3–hydroxybutyrate on pyruvate dehydrogenase complex in isolated cerebrocortical mitochondria. Lai JC, et al. **Neurochem Res** 1987 Aug;12(8):715–22

Inhibition of type A monoamine oxidase by 1–methyl–4–phenylpyridine. Takamidoh H, et al. **Neurosci Lett** 1987 Jan 27;73(3):293–7

Sequence of the mitochondrial oli2 gene coding for subunit 6 of the mitochondrial ATPase complex in different strains of Saccharomyces. John UP, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):366

Purification and properties of a single strand–specific endonuclease from mouse cell mitochondria. Tomkinson AE, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):9579–93

Genetic differences in mitochondrial ATPase. **Nutr Rev** 1987 Aug;45(8):248–9 (4 ref.)

Sequences from a prokaryotic genome or the mouse dihydrofolate reductase gene can restore the import of a truncated precursor protein into yeast mitochondria. Baker A, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3117–21

Import and processing of human ornithine transcarbamoylase precursor by mitochondria from Saccharomyces cerevisiae. Cheng MY, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(12):4063–7

Immunochemical studies of fibroblasts from patients with methylmalonyl–CoA mutase apoenzyme deficiency: detection of a mutation interfering with mitochondrial import. Fenton WA, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1421–4

A maternal mRNA localized to the animal pole of Xenopus eggs encodes a subunit of mitochondrial ATPase. Weeks DL, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):2798–802

3 beta–Hydroxysteroid dehydrogenase in human placental microsomes and mitochondria: co–solubilization of androstene and pregnene activities. Asibey–Berko E, et al. **Steroids** 1986 Jun;47(6):351–63

[Effect of thyroidectomy on phosphorylative oxidation and RNA synthesis in various regions of the brain in the adult monkey] Dembri A. **C R Soc Biol (Paris)** 1986; 180(6):642–50 (Eng. Abstr.) **(Fre)**

[Physiological role of the creatine kinase system and the problem of regulating the activity of mitochondrial creatine kinase] Lipskaia TIu. **Biol Nauki** 1986;(9):5–14 (47 ref.) (Eng. Abstr.) **(Rus)**

[Formation of the superoxide anion radical during the oxidation of biogenic amines catalyzed by mitochondrial monoamine oxidase] Volkovitskaia OE, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):687–9 (Eng. Abstr.) **(Rus)**

[Effect of hyperbaric oxygenation on proton ATPase activity in mitochondria of various rat tissues] Gabibov MM. **Ukr Biokhim Zh** 1986 Sep–Oct;58(5):81–3 (Eng. Abstr.) **(Rus)**

[Activity of pyruvate– and ketoglutarate dehydrogenase complexes on various regions of the rat brain] Rozanov VA, et al. **Ukr Biokhim Zh** 1987 Jan–Feb;59(1):29–34 (Eng. Abstr.) **(Rus)**

[Study of monoamine oxidase from human placenta mitochondria by the chemoluminescence method] Volkovitskaia OE, et al. **Vopr Med Khim** 1986 Sep–Oct; 32(5):77–9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

The ADP/ATP carrier as a mitochondrial auto–antigen—facts and perspectives. Schultheiss HP, et al. **Ann NY Acad Sci** 1986;488:44–64 (60 ref.)

Discrimination between M2 and M4 antimitochondrial

antibodies in primary biliary cirrhosis. Ghadiminejad I, et al. **Biosci Rep** 1986 Dec;6(12):1049–56

The in vitro production of antibodies to mitochondrial antigens by peripheral blood mononuclear cells from patients with primary biliary cirrhosis. Avigan MI, et al. **Hepatology** 1986 Sep–Oct;6(5):999–1004

Primary biliary cirrhosis: antigenic specificity of IgM–type mitochondrial antibodies analyzed by immunoblotting and ELISA. Mendel–Hartvig I, et al. **Int Arch Allergy Appl Immunol** 1987;83(3):265–70

Reaction pattern of mitochondrial antibodies of primary biliary cirrhosis (PBC) is species specific but not organ specific. Ghadiminejad I, et al. **J Bioenerg Biomembr** 1987 Jun;19(3):239–53

Demonstration of anti–mitochondria antibodies by ELISA. Comparison with the indirect immunofluorescence technique on organ sections. Al Hussami O, et al. **J Clin Lab Immunol** 1986 Dec;21(4):195–9

Diversity of autoantibodies in patients with antimitochondrial antibody and their diagnostic value. McMillan SA, et al. **J Clin Pathol** 1987 Feb;40(2):232–6

Identification and specificity of a cDNA encoding the 70 kd mitochondrial antigen recognized in primary biliary cirrhosis. Gershwin ME, et al. **J Immunol** 1987 May 15; 138(10):3525–31

Mitochondrial antigens and autoantibodies: from anti–M1 to anti–M9. Berg PA, et al. **Klin Wochenschr** 1986 Oct 1; 64(19):897–909

High levels of anti–mitochondrial antibodies in MRL mice. Influence of anti–DNA antibodies on anti–mitochondrial antibodies measured by an enzyme–linked immunosorbent assay. Ohshio G, et al. **Microbiol Immunol** 1987;31(1):75–81

METABOLISM

Basic principles of tissue oxygen determination from mitochondrial signals. Chance B, et al. **Adv Exp Med Biol** 1973;37A:277–92

The end–points of the oxygen path: transport resistance in red cells and mitochondria. Clark A Jr, et al. **Adv Exp Med Biol** 1986;200:43–7

Microcirculation and mitochondrial function in focal brain ischemia. Dóra E, et al. **Adv Exp Med Biol** 1986; 200:195–202

Correlation between mitochondrial respiratory dysfunction and Na+–reabsorption in the reoxygenated rat kidney. Gronow G, et al. **Adv Exp Med Biol** 1986;200:515–22

High cytosolic pH inhibits Ca uptake by Myxicola axon mitochondria. Abercrombie RF, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):C68–76

Determinants of mitochondrial O2 dependence in kidney. Aw TY, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F440–7

K+–H+ exchange and volume homeostasis in brown adipose tissue mitochondria. DiResta DJ, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):R787–93

Effects of vitamin D–induced chronic hypercalcemia on rat renal cortical plasma membranes and mitochondria. Levi M, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):F267–75

Thermogenin amount and activity in hamster brown fat mitochondria: effect of cold acclimation. Sundin U, et al. **Am J Physiol** 1987 May;252(5 Pt 2):R822–32

Phosphorus magnetic resonance spectroscopy studies of the role of mitochondria in the disease process. Chance B, et al. **Ann NY Acad Sci** 1986;488:140–53

Inborn defects of the mitochondrial portion of the urea cycle. Colombo JP, et al. **Ann NY Acad Sci** 1986;488:109–17 (52 ref.)

Mechanisms whereby insulin and other hormones binding to cell surface receptors influence metabolic pathways within the inner membrane of mitochondria. Denton RM, et al. **Ann NY Acad Sci** 1986;488:370–84 (45 ref.)

Cystic fibrosis—a lethal exocrinopathy with altered mitochondrial calcium metabolism. Feigal RJ, et al. **Ann NY Acad Sci** 1986;488:82–98 (48 ref.)

Gene transfer. Mitochondria to nucleus. Gellissen G, et al. **Ann NY Acad Sci** 1987;503:391–401 (59 ref.)

The role of mitochondrial hexokinase binding in the abnormal energy metabolism of tumor cell lines. Nakashima RA, et al. **Ann NY Acad Sci** 1986;488:438–50 (50 ref.)

Targeting of nuclear–encoded proteins to the mitochondrial matrix: implications for human genetic defects. Rosenberg LE, et al. **Ann NY Acad Sci** 1986;488:99–108

On the origin of the limited control of mitochondrial respiration by the adenine nucleotide translocator. Westerhoff HV, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):154–69

Possible processing of mitochondria–bindable hexokinase to the nonbindable form by a lysosomal protease in rat liver. Yokoyama–Sato K, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):56–62

Formation of reactive metabolites from benzene. Snyder R, et al. **Arch Toxicol** 1987;60(1–3):61–4

The effect of dilazep on puromycin–induced rat renal mitochondrial dysfunction. Tada M, et al. **Arzneimittelforschung** 1987 May;37(5):509–12

Mitochondrial introns as mobile genetic elements: the role of intron–encoded proteins. Dujon B, et al. **Basic Life Sci** 1986;40:5–27

Mitochondrial gene expression in yeast: further studies of a self–splicing group II intron. Perlman PS, et al. **Basic Life Sci** 1986;40:39–55

Translation, post–translational processing, and mitochondrial translocation of yeast iso–1–cytochrome c. Sherman F. **Basic Life Sci** 1986;40:533–44

Isolated tumoral pyruvate dehydrogenase can synthesize acetoin which inhibits pyruvate oxidation as well as other aldehydes. Baggetto LG, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):153–9

The extraction and reconstitution of the alpha–cyanocinnamate–sensitive pyruvate transporter from castor bean mitochondria. Brailsford MA, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):1036–42

Stimulation of transcription and translation by aurin tricarboxylic acid in mitochondrial lysates from Ehrlich ascites cells. Kulkarni GR, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1149–57

Mitochondrial protein phosphorylation and cardiomyopathy in genetically diabetic mice: the effect of estrone treatment. Kuo TH, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):56–63

Inhibition of mitochondrial alpha–ketoglutarate dehydrogenase by 1–methyl–4–phenylpyridinium ion. Mizuno Y, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):971–6

The anesthetic nitrous oxide affects dioxygen utilization by bovine heart and bean seed mitochondrial particles. Sowa S, et al. **Biochem Biophys Res Commun** 1987 Apr 29; 144(2):643–8

Selective loss of uncoupling protein from mitochondria of surgically denervated brown adipose tissue of cold–acclimated mice. Desautels M, et al. **Biochem Cell Biol** 1986 Nov;64(11):1125–34

Experimental approaches to the study of the biogenesis of mammalian mitochondrial proteins. Freeman KB, et al. **Biochem Cell Biol** 1986 Nov;64(11):1108–14 (71 ref.)

Immunochemical detection and quantitation of brown adipose tissue uncoupling protein. Henningfield MF, et al. **Biochem Cell Biol** 1987 Mar;65(3):245–51

Synthesis of mitochondrial macromolecules in herpes simplex type 1 virus infected Vero cells. Lund K, et al. **Biochem Cell Biol** 1986 Dec;64(12):1303–9

Origins of the phospholipids in animal mitochondria. McMurray WC. **Biochem Cell Biol** 1986 Nov; 64(11):1115–24 (61 ref.)

Role of phospholipid fatty acids on the kinetics of high and low affinity sites of cytochrome c oxidase. Trivedi A, et al. **Biochem Cell Biol** 1986 Nov;64(11):1195–210

Pyruvate metabolism in castor–bean mitochondria. Brailsford MA, et al. **Biochem J** 1986 Oct 15;239(2):355–61

Hydrogen peroxide production in uncoupled mitochondria of the parasitic nematode worm Nippostrongylus brasiliensis. Paget TA, et al. **Biochem J** 1987 Apr 15; 243(2):589–95

Mitochondrial oxygenation of carbon monoxide. Young LJ, et al. **Biochem J** 1986 Oct 1;239(1):225–7

Aggregation and diffusion in the mitochondrial electron–transfer chain: role in electron flow and energy transfer. Ferguson–Miller S, et al. **Biochem Soc Trans** 1986 Oct;14(5):822–4

Translocation intermediates on the import pathway of proteins into mitochondria. Hartl FU, et al. **Biochem Soc Trans** 1987 Feb;15(1):95–7

Molecular mechanism of ATP synthesis in oxidative phosphorylation. Penefsky HS. **Biochem Soc Trans** 1987 Feb;15(1):97–9

Reduction of cytochrome b in mitochondria from yeast lacking coenzyme Q. Clejan L, et al. **Biochemistry** 1986 Dec 2;25(24):7984–91

Importance of the unsaturated fatty acyl group of phospholipids in their stimulatory role on rat adrenal mitochondrial steroidogenesis. Igarashi Y, et al. **Biochemistry** 1986 Oct 21;25(21):6461–6

Use of cytochrome P–450scc to measure cholesterol–lipid interactions. Stevens VL, et al. **Biochemistry** 1986 Jul 29; 25(15):4287–92

Incorporation of a synthetic mitochondrial signal peptide into charged and uncharged phospholipid monolayers. Tamm LK. **Biochemistry** 1986 Nov 18;25(23):7470–6

Rapid redox equilibrium between the mitochondrial Q pool and cytochrome b during triphasic reduction of cytochrome b by succinate. Chen M, et al. **Biochim Biophys Acta** 1986 Oct 8;851(3):457–68

The effect of ring substituents on the mechanism of interaction of exogenous quinones with the mitochondrial respiratory chain. Chen M, et al. **Biochim Biophys Acta** 1986 Oct 8;851(3):469–74

Mitochondrial and peroxisomal oxidation of arachidonic and eicosapentaenoic acid studied in isolated liver cells. Christensen E, et al. **Biochim Biophys Acta** 1986 Dec 5; 879(3):313–21

Reaction of electron–transfer flavoprotein ubiquinone oxidoreductase with the mitochondrial respiratory chain. Frerman FE. **Biochim Biophys Acta** 1987 Sep 10; 893(2):161–9

The voltage–dependent chloride current conductance of toad skin is localized to mitochondria–rich cells. Katz U, et al. **Biochim Biophys Acta** 1986 Oct 23;861(3):480–2

Aminooxyacetic acid inhibits the malate–aspartate shuttle in isolated nerve terminals and prevents the mitochondria from utilizing glycolytic substrates. Kauppinen RA, et al. **Biochim Biophys Acta** 1987 Sep 14;930(2):173–8

Efficient reconstitution of mitochondrial energy–transfer reactions from depleted membranes and F1–ATPase as a function of the amount of bound oligomycin sensitivity–conferring protein (OSCP). Penin F, et al. **Biochim Biophys Acta** 1986 Nov 5;852(1):55–67

Existence of multiple forms of cytochrome P–450scc purified from bovine adrenocortical mitochondria. Tsubaki M, et al. **Biochim Biophys Acta** 1987 Aug 21;914(3):246–58

Molecular aspects of inorganic phosphate transport in mitochondria. Wohlrab H. **Biochim Biophys Acta** 1986; 853(2):115–34 (145 ref.)

Translation of polyuridylic acid in lysed mitochondria. Alziari S, et al. **Biochimie** 1986 Sep;68(9):1115–21

Reactions of bis(thiosemicarbazonato) copper(II) complexes with tumor cells and mitochondria. Chan–Stier CH, et al. **Bioinorg Chem** 1976;6(3):203–17

Immunological study of the tissue expression of D–beta–hydroxybutyrate dehydrogenase, a ketone body–converting enzyme. Coquard C, et al. **Biol Cell** 1987; 59(2):137–43

Mitochondrial analysis in living cells: the use of rhodamine 123 and flow cytometry. Ronot X, et al. **Biol Cell** 1986; 57(1):1–7 (41 ref.)

Early effects of luteinizing hormone on mitochondrial phosphoinositides in ovarian follicles. Dimino MJ, et al. **Biol Reprod** 1987 Feb;36(1):97–102

Luteinization–specific ovarian mitochondrial proteins. Rowe MJ, et al. **Biol Reprod** 1986 Nov;35(4):906–17

Cytochrome P–450 in the mitochondria from human placenta in early pregnancy. Boguslawski W. **Biol Res Pregnancy Perinatol** 1987;8(1 1ST Half):16–7

Control of electron flux through the respiratory chain in mitochondria and cells. Brand MD, et al. **Biol Rev Cambridge Philosophic Soc** 1987 May;62(2):141–93 (333 ref.)

Cytochrome c binds to lipid domains in arrays of mitochondrial outer membrane channels. Mannella CA, et al. **Biophys J** 1987 Feb;51(2):221–6

Evidence that fasting can induce a selective loss of uncoupling protein from brown adipose tissue mitochondria of mice [published erratum appears in Biosci Rep 1986 Oct;6(10):931] Trayhurn P, et al. **Biosci Rep** 1986 Sep; 6(9):805–10

Hippocampal long–term potentiation increases mitochondrial calcium pump activity in rat. Stanton PK, et al. **Brain Res** 1986 Sep 10;382(1):185–8

Regulation of phosphoenolpyruvate carboxykinase and pyruvate kinase in Saccharomyces cerevisiae grown in the presence of glycolytic and gluconeogenic carbon sources and the role of mitochondrial function on gluconeogenesis. Wilson AJ, et al. **Can J Microbiol** 1986 Dec;32(12):969–72

Cytostatic and cytotoxic properties of pyronin Y: relation to mitochondrial localization of the dye and its interaction with RNA. Darzynkiewicz Z, et al. **Cancer Res** 1986 Nov; 46(11):5760–6

Tumoricidal effector mechanisms of murine Bacillus Calmette–Guérin–activated macrophages: mediation of cytolysis, mitochondrial respiration inhibition, and release of intracellular iron by distinct mechanisms. Klostergaard J, et al. **Cancer Res** 1987 Apr 15;47(8):2014–9

Localization of aflatoxin B1—nucleic acid adducts in mitochondria and nuclei. Shamsuddin AM, et al. **Carcinogenesis** 1987 Jan;8(1):109–14

Phosphodiester bond cleavage outside mitochondria is required for the completion of protein import into the mitochondrial matrix. Chen WJ, et al. **Cell** 1987 Jun 5; 49(5):651–8

Transport into mitochondria and intramitochondrial sorting of the Fe/S protein of ubiquinol–cytochrome c reductase. Hartl FU, et al. **Cell** 1986 Dec 26;47(6):939–51

Comparison of the effect of scorpion venom (Buthus martensii Kashi) on the rat brain and heart mitochondria. Song WX, et al. **Cell Biol Int Rep** 1986 Nov;10(11):897–904

The calcium sensitive dehydrogenases of vertebrate mitochondria. Denton RM, et al. **Cell Calcium** 1986 Dec; 7(5–6):377–86 (31 ref.)

The oxidation of proline by mitochondrial preparations. McKnight JA, et al. **Comp Biochem Physiol [B]** 1986; 85(2):289–94

The pathway of glutamate oxidation in isolated mitochondria from the avian hepatomatous growth induced by MC–29 virus [published erratum appears in J Cell Physiol 1987 Jan;130(1):171] Matsuno T, et al. **Comp Biochem Physiol [B]** 1986;85(2):393–6

Efficient splicing of two yeast mitochondrial introns controlled by a nuclear–encoded maturase. Banroques J, et al. **EMBO J** 1987 Apr;6(4):1085–91

A yeast mutant lacking mitochondrial porin is respiratory–deficient, but can recover respiration with simultaneous accumulation of an 86–kd extramitochondrial protein. Dihanich M, et al. **EMBO J** 1987 Mar;6(3):723–8

Both ATP and an energized inner membrane are required to import a purified precursor protein into mitochondria. Eilers M, et al. **EMBO J** 1987 Apr;6(4):1073–7

Sequence of the bovine mitochondrial phosphate carrier protein: structural relationship to ADP/ATP translocase and the brown fat mitochondria uncoupling protein. Runswick MJ, et al. **EMBO J** 1987 May;6(5):1367–73

Self–splicing of a group II intron in yeast mitochondria: dependence on 5' exon sequences. van der Veen R, et al. **EMBO J** 1987 Apr;6(4):1079–84

The uncoupling protein from brown–adipose–tissue mitochondria. Chymotrypsin–induced structural and functional modifications. Fernández M, et al. **Eur J Biochem** 1987 May 4;164(3):675–80

Control of uncoupling protein in brown–fat mitochondria

by purine nucleotides. Chemical modification by diazobenzenesulfonate. Kopecký J, et al. **Eur J Biochem** 1987 May 4;164(3):687–94

A nuclear mutation affecting mitochondrial transcription in Saccharomyces cerevisiae. Lisowsky T, et al. **Eur J Biochem** 1987 May 4;164(3):559–63

Apparent unmasking of [3H]GDP binding in rat brown–fat mitochondria is due to mitochondrial swelling. Nedergaard J, et al. **Eur J Biochem** 1987 May 4;164(3):681–6

Chemical modification of the brown–fat–mitochondrial uncoupling protein with tetranitromethane and N–ethylmaleimide. A cysteine residue is implicated in the nucleotide regulation of anion permeability. Rial E, et al. **Eur J Biochem** 1986 Dec 15;161(3):689–94

17th Sir Hans Krebs lecture. Signals guiding proteins to their correct locations in mitochondria. Schatz G. **Eur J Biochem** 1987 May 15;165(1):1–6

In vivo uptake of mitochondrial malate dehydrogenase from watermelon by mitochondria of Xenopus laevis oocytes. Sautter C. **Eur J Cell Biol** 1986 Aug;41(2):263–9

Respiration capacity of mitochondria isolated from unfertilized and fertilized sea urchin eggs. Selak MA, et al. **Exp Cell Res** 1987 Apr;169(2):369–78

Effect of hyperthermia on electron transport in Ehrlich ascites tumor mitochondria. Floridi A, et al. **Exp Mol Pathol** 1987 Jun;46(3):279–93

Mitochondrial respiration during recirculation after prolonged ischemia in cat brain. Linn F, et al. **Exp Neurol** 1987 May;96(2):321–33

GMP–stimulation of the cyanide–insensitive mitochondrial respiration in heat–shocked conidia of Neurospora crassa. Michéa–Hamzehpour M, et al. **Experientia** 1987 Apr 15; 43(4):439–40

Regulation of glycerol 3–phosphate oxidation in mitochondria by changes in membrane microviscosity. Amler E, et al. **FEBS Lett** 1986 Sep 29;206(1):1–3

Solute carriers involved in energy transfer of mitochondria form a homologous protein family. Aquila H, et al. **FEBS Lett** 1987 Feb 9;212(1):1–9 (50 ref.)

Fatty acid synthesis in mitochondria from Saccharomyces cerevisiae. Bessoule JJ, et al. **FEBS Lett** 1987 Apr 6; 214(1):158–62

Heterogeneity of adrenocortical ferredoxin. Hiwatashi A, et al. **FEBS Lett** 1986 Dec 15;209(2):311–5

Sulfhydryl groups are involved in H+ translocation via the uncoupling protein of brown adipose tissue mitochondria. Ježek P. **FEBS Lett** 1987 Jan 19;211(1):89–93

Mitochondria catalyze the reduction of NAD by reduced methylviologen. Nagata S, et al. **FEBS Lett** 1987 Jan 1; 210(1):66–70

Preferential glutamine uptake in rat brain synaptic mitochondria. Steib A, et al. **FEBS Lett** 1986 Oct 20; 207(1):63–8

Identification of Paramecium mitochondrial proteins using antibodies raised against fused mitochondrial gene products. Mahalingam R, et al. **Gene** 1986;49(1):129–38

Programmed cell death. Cytochemical evidence for accumulation of calcium in mitochondria and its translocation into lysosomes: X–ray microanalysis in metamorphosing insect muscles. Beaulaton J. **Histochem J** 1986 Oct;18(10):527–36

Inhibition of mitochondrial electron transport and energy transduction by lutein in vitro. Chaturvedi VK, et al. **Indian J Biochem Biophys** 1986 Jun;23(3):156–61

The relationship between the rate of glutamate deamination and long–chain acyl–CoA accumulation in kidney cortex mitochondria of rabbit. Dzik JM. **Int J Biochem** 1987; 19(3):285–8

Decreased exchange of adenine nucleotides in human placental mitochondria. Martínez F, et al. **Int J Biochem** 1987;19(3):275–9

Bioenergetics of tumor cells: glutamine metabolism in tumor cell mitochondria. Matsuno T. **Int J Biochem** 1987; 19(4):303–7 (20 ref.)

Hyperthermia–induced inhibition of respiration and mitochondrial protein denaturation in CHL cells. Lepock JR, et al. **Int J Hyperthermia** 1987 Mar–Apr;3(2):123–32

Brown adipose tissue in patients with phaeochromocytoma. Lean ME, et al. **Int J Obes** 1986;10(3):219–27

Effect of calmodulin on aldosterone synthesis by a cytochrome P–45011 beta–reconstituted system from bovine adrenocortical mitochondria. Ohnishi T, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):1065–76

Processing–independent in vitro translocation of cytochrome P–450(SCC) precursor across mitochondrial membranes. Ou WJ, et al. **J Biochem (Tokyo)** 1986 Nov;100(5):1287–96

The random collision model and a critical assessment of diffusion and collision in mitochondrial electron transport. Hackenbrock CR, et al. **J Bioenerg Biomembr** 1986 Oct; 18(5):331–68 (88 ref.)

Generation of hydrogen peroxide by brown adipose tissue mitochondria. Sekhar BS, et al. **J Bioenerg Biomembr** 1987 Aug;19(4):397–407

Formation and utilization of acetoin, an unusual product of pyruvate metabolism by Ehrlich and AS30–D tumor mitochondria. Baggetto LG, et al. **J Biol Chem** 1987 Jul 15;262(20):9535–41

Arginine–specific carbamoyl phosphate metabolism in mitochondria of Neurospora crassa. Channeling and control by arginine. Davis RH, et al. **J Biol Chem** 1987 May 25;262(15):7109–17

Markedly different ATP requirements for rRNA synthesis and mtDNA light strand transcription versus mRNA synthesis in isolated human mitochondria. Gaines G, et al. **J Biol Chem** 1987 Feb 5;262(4):1907–15

Amino–terminal deletions in the presequence of an imported mitochondrial protein block the targeting function and proteolytic cleavage of the presequence at the carboxy terminus. Hurt EC, et al. **J Biol Chem** 1987 Jan 25; 262(3):1420–4

Interactions between spermine and Mg2+ on mitochondrial Ca2+ transport. Lenzen S, et al. **J Biol Chem** 1986 Dec 15;261(35):16478–83

Quantitation of the efflux of acylcarnitines from rat heart, brain, and liver mitochondria. Lysiak W, et al. **J Biol Chem** 1986 Oct 15;261(29):13698–703

Mechanism of calcium potentiation of oxygen free radical injury to renal mitochondria. A model for post–ischemic and toxic mitochondrial damage. Malis CD, et al. **J Biol Chem** 1986 Oct 25;261(30):14201–8

Developmental regulation of trypanosome mitochondrial gene expression. Michelotti EF, et al. **J Biol Chem** 1987 Jan 15;262(2):927–32

Assembly of the mitochondrial membrane system. MRP1 and MRP2, two yeast nuclear genes coding for mitochondrial ribosomal proteins. Myers AM, et al. **J Biol Chem** 1987 Mar 5;262(7):3388–97

Import of hybrid vesicular stomatitis G protein to the mitochondrial inner membrane. Nguyen M, et al. **J Biol Chem** 1987 Mar 25;262(9):3929–31

Absence of heat shock protein synthesis in isolated mitochondria and plastids from maize. Nieto–Sotelo J, et al. **J Biol Chem** 1987 Sep 5;262(25):12288–92

Characterization of translocation contact sites involved in the import of mitochondrial proteins. Schwaiger M, et al. **J Cell Biol** 1987 Jul;105(1):235–46

A new type of hyperlysinaemia due to a transport defect of lysine into mitochondria. Oyanagi K, et al. **J Inherited Metab Dis** 1986;9(3):313–6

Heterogeneity of calcium compartmentation: electron probe analysis of renal tubules. LeFurgey A, et al. **J Membr Biol** 1986;94(2):191–6

Polyamines stimulate mitochondrial calcium transport in rat brain. Jensen JR, et al. **J Neurochem** 1987 Mar;48(3):765–72

Effect of free malonate on the utilization of glutamate by rat brain mitochondria. Koeppen AH, et al. **J Neurochem** 1987 May;48(5):1509–15

Urinary evidence of disturbance of mitochondrial respiratory chain in Reye syndrome [letter] Matsuo M, et al. **J Pediatr** 1987 Jul;111(1):155

Transduction of ACTH signal from plasma membrane to mitochondria in adrenocortical steroidogenesis. Effects of peptide, phospholipid, and calcium. Kimura T. **J Steroid Biochem** 1986 Nov;25(5B):711–6 (60 ref.)

Cytochemical localization of calcium in mitochondria of regenerating rat adrenal cortex. A study of adrenal regeneration hypertension. Nickerson PA. **J Submicrosc Cytol** 1987 Jan;19(1):63–9

The effect of inhibition of mitochondrial protein synthesis on the proliferation and phenotypic properties of a rat leukemia in different stages of in–vivo tumor development. Van den Bogert C, et al. **Leuk Res** 1987;11(6):529–36

Age–dependent changes in rat brain mitochondria of synaptic and non–synaptic origins. Harmon HJ, et al. **Mech Ageing Dev** 1987 Apr;38(2):167–77

Increased uptake and retention of rhodamine 123 by mitochondria of old human fibroblasts. Martinez AO, et al. **Mech Ageing Dev** 1987 Jun;39(1):1–9

Differential mitochondrial gene expression between slender and stumpy bloodforms of Trypanosoma brucei. Feagin JE, et al. **Mol Biochem Parasitol** 1986 Sep;20(3):207–14

Anaerobic metabolism in Ascaris suum: acyl CoA intermediates in isolated mitochondria synthesizing 2–methyl branched–chain fatty acids. Komuniecki R, et al. **Mol Biochem Parasitol** 1987 Jun;24(2):147–54

Sequences required for delivery and localization of the ADP/ATP translocator to the mitochondrial inner membrane. Adrian GS, et al. **Mol Cell Biol** 1986 Feb; 6(2):626–34

Minor transcription initiation events indicate that both human mitochondrial promoters function bidirectionally. Chang DD, et al. **Mol Cell Biol** 1986 Jan;6(1):294–301

RNA processing and expression of an intron–encoded protein in yeast mitochondria: role of a conserved dodecamer sequence. Zhu H, et al. **Mol Cell Biol** 1987 Jul;7(7):2530–7

Gamma 3–melanotropin promotes mitochondrial cholesterol accumulation in the rat adrenal cortex. Pedersen RC, et al. **Mol Cell Endocrinol** 1987 Mar;50(1–2):149–56

Effect of beta–naphthoflavone on mitochondrial supply of reducing equivalents for monooxygenation in periportal and pericentral regions of the liver lobule. Belinsky SA, et al. **Mol Pharmacol** 1987 Aug;32(1):315–20

Selenite–induced NAD(P)H oxidation and calcium release in isolated mitochondria: relationship to in vivo toxicity. Vlessis AA, et al. **Mol Pharmacol** 1987 Jun;31(6):643–6

A cytosolic protein contains a cryptic mitochondrial targeting signal. Hurt EC, et al. **Nature** 1987 Feb 5–11; 325(6104):499–503

Variable stoichiometry of proton pumping by the mitochondrial respiratory chain. Murphy MP, et al. **Nature** 1987 Sep 10–16;329(6135):170–2

Paradoxical effect of methyl mercury on mitochondrial protein synthesis in mouse brain tissue. Kuznetsov DA. **Neurochem Res** 1987 Aug;12(8):751–3

Effect of calcium on protein synthesis in rat brain postmitochondrial fraction. Zalewska T, et al. **Neuropatol Pol** 1986;24(3):377–86

Calcium in the mitochondria following brief ischemia of gerbil brain. Dux E, et al. **Neurosci Lett** 1987 Aug 5; 78(3):295–300

A methionine tRNA gene from lupine mitochondria. Borsuk P, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7508

Biogenesis of mitochondria: DNA sequence analysis of mit– mutations in the mitochondrial oli2 gene coding for mitochondrial ATPase subunit 6 in Saccharomyces cerevisiae. John UP, et al. **Nucleic Acids Res** 1986 Sep 25; 14(18):7437–51

Biogenesis of mitochondria: a mutation in the 5'–untranslated region of yeast mitochondrial oli1 mRNA leading to impairment in translation of subunit 9 of the mitochondrial ATPase complex. Ooi BG, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):1965–77

Effect of point mutations on in vitro transcription from the promoter for the large ribosomal RNA gene of yeast mitochondria. Schinkel AH, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5597–612

Artificial mitochondrial presequences. Allison DS, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9011–5

Porphyrins are endogenous ligands for the mitochondrial (peripheral–type) benzodiazepine receptor. Verma A, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2256–60

Dequalinium, a topical antimicrobial agent, displays anticarcinoma activity based on selective mitochondrial accumulation. Weiss MJ, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5444–8

The respiration of rat brain mitochondria purified by phase partition. Effects of K+, Mg2+ and Ca2+. Sánchez–Prieto J, et al. **Rev Esp Fisiol** 1986 Dec; 42(4):427–34

A mammalian mitochondrial RNA processing activity contains nucleus–encoded RNA. Chang DD, et al. **Science** 1987 Mar 6;235(4793):1178–84

Efficient trans–splicing of a yeast mitochondrial RNA group II intron implicates a strong 5' exon–intron interaction. Jacquier A, et al. **Science** 1986 Nov 28;234(4780):1099–104

The mitochondrion updated. Lane MD, et al. **Science** 1986 Oct 31;234(4776):526–7

[The mitochondrial anion transport system—the phosphate and the adenine nucleotide carriers] Ježek P, et al. **Cesk Fysiol** 1987;36(1):41–59 **(Cze)**

[The glycerophosphate cycle and its significance in the regulation of cell metabolism] Rauchová H, et al. **Cesk Fysiol** 1986;35(4):289–305 **(Cze)**

[Mitochondrial oxidative phosphorylation in the rat kidney during the perinatal period] Razanoelina M, et al. **C R Acad Sci [III]** 1987;304(10):251–4 (Eng. Abstr.) **(Fre)**

[Is calcium a primum movens in the pathogenesis of cerebrovascular accidents?] Lepagnol J, et al. **Presse Med** 1987 Jun 18;16(23):1113–7 (Eng. Abstr.) **(Fre)**

[Structure and function of the mitochondrion] Ozawa T. **No To Hattatsu** 1987 Mar;19(2):106–7 (0 ref.) **(Jpn)**

[A mitochondrial encephalomyopathy: a case of a defect of complex I in the electron transport chain] Shinozawa K, et al. **Rinsho Shinkeigaku** 1987 Jan;27(1):41–8 (Eng. Abstr.) **(Jpn)**

[Intracellular delivery and assembly of F1–ATPase into mitochondria] Takeda M. **Tanpakushitsu Kakusan Koso** 1987 Apr;32(4):299–317 (87 ref.) **(Jpn)**

[The proton–transporting ATPase complex] Bogucka K. **Postepy Biochem** 1986;32(3):301–28 (166 ref.) **(Pol)**

[Enzymes participating in the metabolism of 2'–deoxynucleotides in mitochondria] Greger J. **Postepy Biochem** 1985;31(3–4):631–47 (105 ref.) **(Pol)**

[Effect of negative hydro–aero ions on the structure and functional properties of mitochondria] Kondrashova MN, et al. **Biofizika** 1987 Mar–Apr;32(2):313–22 (Eng. Abstr.) **(Rus)**

[Channel–forming membrane protein (32 kD) from brown fat mitochondria] Mirzabekov TA, et al. **Biofizika** 1987 Mar–Apr;32(2):345–6 (Eng. Abstr.) **(Rus)**

[A three–cycle mechanism of the respiratory chain] Skulachev VP. **Biokhimiia** 1986 Dec;51(12):1925–9 (Eng. Abstr.) **(Rus)**

[Passive transport of Ca2+ in a myometrium mitochondria fraction] Kurskii MD, et al. **Ukr Biokhim Zh** 1987 May–Jun;59(3):35–9 (Eng. Abstr.) **(Rus)**

[Mitochondrial diseases in children—a review] Holme E, et al. **Lakartidningen** 1987 Jul 22;84(30–31):2411–5 **(Swe)**

PATHOLOGY

Mitochondrial pathology: an overview. Carafoli E. **Ann NY Acad Sci** 1986;488:1–18 (62 ref.)

Studies on giant mitochondria. Tandler B, et al. **Ann NY Acad Sci** 1986;488:65–81 (101 ref.)

Mitochondrial ring–phenomenon of keratinocytes in psoriasis vulgaris after dithranol therapy. Klug H, et al. **J Cutan Pathol** 1987 Aug;14(4):212–6

A mitochondrial encephalomyopathy with cardiomyopathy. A case revealing a defect of complex I in the respiratory chain. Nishizawa M, et al. **J Neurol Sci** 1987 Apr; 78(2):189–201

Neonatal hypoxia or maternal diabetes delays postnatal development of liver mitochondria. Aprille JR, et al. **Pediatr Res** 1987 Mar;21(3):266–9

PHYSIOLOGY

Mitochondrial migration and Ca-ATPase modulation in secretory ameloblasts of fasted and calcium-loaded rats. Sasaki T, et al. **Am J Anat** 1987 Jun;179(2):116-30

How large is the drop in PO2 between cytosol and mitochondrion? Clark A Jr, et al. **Am J Physiol** 1987 Jun; 252(6 Pt 1):C583-7 (42 ref.)

Protein localization and membrane traffic in yeast. Schekman R. **Annu Rev Cell Biol** 1985;1:115-43 (140 ref.)

Evidence for the existence of an inner membrane anion channel in mitochondria. Garlid KD, et al. **Biochim Biophys Acta** 1986;853(3-4):187-204 (172 ref.)

The proton-pumping site of cytochrome c oxidase: a model of its structure and mechanism. Gelles J, et al. **Biochim Biophys Acta** 1986;853(3-4):205-36 (73 ref.)

The maturational breakdown of mitochondria in reticulocytes. Rapoport SM, et al. **Biochim Biophys Acta** 1986 Dec 22;864(3-4):471-95 (195 ref.)

A mitochondrial RNA maturase gene transferred to the yeast nucleus can control mitochondrial mRNA splicing. Banroques J, et al. **Cell** 1986 Sep 12;46(6):837-44

Mitochondrial protein import: nucleoside triphosphates are involved in conferring import-competence to precursors. Pfanner N, et al. **Cell** 1987 Jun 19;49(6):815-23

Mitochondrial membrane potential in living cells: evidence from studies with rhodamine 6 G as fluorescent probe. Dietzmann K, et al. **Exp Pathol** 1987;31(1):47-51

Germination conditions that require mitochondrial function in Saccharomyces cerevisiae: utilization of acetate and galactose. Donnini C, et al. **J Bacteriol** 1986 Dec; 168(3):1250-3

Structure and expression of pea mitochondrial F1ATPase alpha-subunit gene and its pseudogene involved in homologous recombination. Morikami A, et al. **J Biochem (Tokyo)** 1987 Apr;101(4):967-76

Biological channels: focus on the outer mitochondrial membrane. **J Bioenerg Biomembr** 1987 Aug;19(4):305-407

Regulation of the mitochondrial outer membrane channel, VDAC. Colombini M. **J Bioenerg Biomembr** 1987 Aug; 19(4):309-20 (25 ref.)

Molecular genetics of the VDAC ion channel: structural model and sequence analysis. Forte M, et al. **J Bioenerg Biomembr** 1987 Aug;19(4):341-50 (31 ref.)

Importance of the mitochondrial outer membrane channel as a model biological channel. Mannella CA, et al. **J Bioenerg Biomembr** 1987 Aug;19(4):305-8 (23 ref.)

Channels in the mitochondrial outer membrane: evidence from patch clamp studies. Tedeschi H, et al. **J Bioenerg Biomembr** 1987 Aug;19(4):321-7 (11 ref.)

Water movement during channel opening and closing. Zimmerberg J, et al. **J Bioenerg Biomembr** 1987 Aug; 19(4):351-8 (21 ref.)

Hyperglycemia preserves brain mitochondrial respiration during anoxia. Wagner KR, et al. **J Neurochem** 1986 Nov; 47(5):1620-6

The excised leader of human cytochrome c oxidase subunit I mRNA which contains the origin of mitochondrial DNA light-strand synthesis accumulates in mitochondria and is polyadenylated. Gaines G, et al. **Mol Cell Biol** 1987 Feb; 7(2):925-31

Are mitochondrial DNA mutations involved in the carcinogenic process? Shay JW, et al. **Mutat Res** 1987 Sep; 186(2):149-60 (114 ref.)

The pea mitochondrial ATPase subunit 9 gene is located upstream of the ATPase alpha-subunit gene. Morikami A, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4692

Transmission of mitochondrial and chloroplast genomes in crosses of Chlamydomonas. Boynton JE, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2391-5

Ultrasteep voltage dependence in a membrane channel. Mangan PS, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(14):4896-900

The mitochondrial genotype can influence nuclear gene expression in yeast. Parikh VS, et al. **Science** 1987 Jan 30; 235(4788):576-80

[Oxidative and respiratory properties of isolated human kidney mitochondria] Jung K, et al. **Z Urol Nephrol** 1987 Jun;80(6):349-51 (Eng. Abstr.) **(Ger)**

[Assessment of mitochondrial function in the surviving cytoplasts of cultured cells of pig embryonic kidney by using ethylrhodamine] Neverova ME, et al. **Tsitologiia** 1986 Nov;28(11):1246-9 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Effects of selective irradiation on mammalian mitochondria. Salet C, et al. **Photochem Photobiol** 1987 Mar;45(3):433-8 (64 ref.)

ULTRASTRUCTURE

Assembly of the mitochondrial ribosomes in a temperature-conditional mutant of Saccharomyces cerevisiae defective in the synthesis of the var1 protein. Hibbs AR, et al. **Biochim Biophys Acta** 1987 Feb 27; 908(2):179-87

Molecular organization (topography) of cytochrome P-450(11)beta in mitochondrial membrane and phospholipid vesicles as studied by trypsinolysis. Lombardo A, et al. **Biochim Biophys Acta** 1986 Dec 1;863(1):71-81

Effects of phospholipases C and D on ordering of channel proteins in the mitochondrial outer membrane. Mannella CA. **Biochim Biophys Acta** 1986 Sep 25;861(1):67-73

Fibronectin (FN) localizations in mitochondria-rich cells of frog epidermis. Denefle JP, et al. **Biol Cell** 1987;59(2):181-4

Variation of cellular mitochondrial activity in culture: analysis by flow cytometry. Ratinaud MH, et al. **Biol Cell** 1986;58(2):169-72

Maturational breakdown cascade of mitochondria in reticulocytes. Rapoport SM, et al. **Biomed Biochim Acta** 1987;46(2-3):S151-5

Histopathology of mitochondrial cytopathy and the Laurence-Moon-Biedl syndrome. Runge P, et al. **Br J Ophthalmol** 1986 Oct;70(10):782-96

The effect of extracellular Ca and Mg on mitochondrial ultrastructure in isolated intact neurons. Petrunyaka VV, et al. **Eur J Cell Biol** 1987 Jun;43(3):438-42

Giant mitochondria in acute lymphocytic leukemia. Eguchi M, et al. **Exp Mol Pathol** 1987 Aug;47(1):69-75

Mitochondrial changes during dedifferentiation and redifferentiation of regenerating hind limbs in larval and metamorphic stages of Bufo regularis Reuss. Ramadan AA, et al. **Folia Morphol (Praha)** 1987;35(1):86-95

Determination of the orientation of membrane vesicles derived from mitochondria. Harmon HJ. **J Bioenerg Biomembr** 1987 Apr;19(2):167-89 (70 ref.)

Electron microscopy and image analysis of the mitochondrial outer membrane channel, VDAC. Mannella CA. **J Bioenerg Biomembr** 1987 Aug;19(4):329-40 (42 ref.)

Three-dimensional reconstruction of the chondriome of the unicellular red alga Rhodella reticulata. Broadwater S, et al. **J Cell Sci** 1986 Aug;84:213-9

Application of the serial sectioning and tridimensional reconstruction techniques to the morphological study of the Plasmodium falciparum mitochondrion. Slomianny C, et al. **J Parasitol** 1986 Aug;72(4):595-8

Visualization of the mitochondrion-kinetoplast in viable Trypanosoma cruzi with rhodamine 123. Wolfson JS, et al. **J Parasitol** 1987 Aug;73(4):866-9

Identification of a cytoskeletal network adherent to the mitochondria of mammalian spermatozoa. Olson GE, et al. **J Ultrastruct Mol Struct Res** 1986 Feb;94(2):131-9

Visualization of mitochondria and some other cytoplasmic structures in hematoxylin-eosin stained sections by fluorescence microscopy. Yamashita K, et al. **Okajimas Folia Anat Jpn** 1986 Dec;63(5):311-21

Effect of chlorpromazine and trifluoperazine on cytoskeletal components and mitochondria in cultured mammalian cells. Dudani AK, et al. **Tissue Cell** 1987;19(2):183-96

Quantitative evaluation of leukemic mitochondria with a computer-controlled image analyzer. Iwama Y, et al. **Virchows Arch [B]** 1986;51(5):375-84

[Study of the chondriome in SPEV cell culture after treatment with actinomycin D] Shornikova MV, et al. **Tsitol Genet** 1986 Nov-Dec;20(6):403-9 (Eng. Abstr.) **(Rus)**

MITOCHONDRIA, HEART

ANALYSIS

Isolation and functional reconstitution of the aspartate/glutamate carrier from mitochondria. Krämer R, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):166-74

Properties of bovine heart mitochondrial cytochrome b560. Yu L, et al. **J Biol Chem** 1987 Jan 25;262(3):1137-43

Assay for flavins in rat heart mitochondria by high pressure liquid chromatography. Ogura R, et al. **Kurume Med J** 1986;33(1):1-6

DRUG EFFECTS

Superoxide anion production by adriamycinol from cardiac sarcosomes and by mitochondrial NADH dehydrogenase. Gervasi PG, et al. **Anticancer Res** 1986 Sep-Oct; 6(5):1231-5

Improvement of myocardial function after global hypoxia by protection of the inner mitochondrial membrane. Beyersdorf F, et al. **Arzneimittelforschung** 1987 Feb; 37(2):142-9

Relationship between inhibition of mitochondrial respiration by naphthoquinones, their antitumor activity, and their redox potential. Pisani DE, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3791-8

Mammalian mitochondria as in vitro monitors of water quality. Blondin GA, et al. **Bull Environ Contam Toxicol** 1987 Mar;38(3):467-74

Protection by verapamil of mitochondrial glutathione equilibrium and phospholipid changes during reperfusion of ischemic canine myocardium. Kajiyama K, et al. **Circ Res** 1987 Aug;61(2):301-10

Effect of adriamycin on electron transport in rat heart, liver, and tumor mitochondria. Bianchi C, et al. **Exp Mol Pathol** 1987 Feb;46(1):123-35

Adriamycin effect on histological, histochemical and electron microscopy changes in rat myocardium. Wutzen J, et al. **Mater Med Pol** 1986 Sep-Dec;18(4):191-7

Effects of cadmium and dietary selenium on cytoplasmic and mitochondrial antioxidant defense systems in the heart of rats fed high dietary copper. Jamall IS, et al. **Toxicol Appl Pharmacol** 1987 Jan;87(1):102-10

Inhibition of rat heart mitochondrial respiration by cadmium chloride. Kisling GM, et al. **Toxicol Appl Pharmacol** 1987 Jul;89(3):295-304

[Non-steroidal anti-inflammatory agents and their actions on mitochondrial function] Reyes PA, et al. **Gac Med Mex** 1986 May-Jun;122(5-6):157-65 **(Spa)**

[Non-steroidal anti-inflammatory agents and their effects on mitochondrial function] Reyes PA, et al. **Gac Med Mex** 1986 May-Jun;122(5-6):157-65 **(Spa)**

ENZYMOLOGY

The mitochondrial adenosine 5'-triphosphatase in slow and fast heart rate hearts. Rouslin W. **Am J Physiol** 1987 Mar; 252(3 Pt 2):H622-7

Compartmented coupling of chicken heart mitochondrial creatine kinase to the nucleotide translocase requires the outer mitochondrial membrane. Brooks SP, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):144-53

Association of chicken mitochondrial creatine kinase with the inner mitochondrial membrane. Brooks SP, et al. **Arch Biochem Biophys** 1987 Feb 15;253(1):122-32

Heart mitochondria in physiological salt solution: not ionic strength but salt composition is important for association of creatine kinase with the inner membrane surface. Saks VA, et al. **Biochem Biophys Res Commun** 1986 Sep 30; 139(3):1262-71

Deficiency of subunits in heart mitochondrial NADH-ubiquinone oxidoreductase of a patient with mitochondrial encephalomyopathy and cardiomyopathy. Tanaka M, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):88-93

cAMP-dependent protein kinase isozymes with preference for histone H2B as substrate in mitochondria of bovine heart. Burgess JW, et al. **Biochem Cell Biol** 1987 Feb; 65(2):137-43

Purification and properties of the cytosolic and mitochondrial forms of aspartate aminotransferase and malate dehydrogenase from rat heart. Mavrides C, et al. **Biochem Cell Biol** 1987 Mar;65(3):239-44

Selective inhibition of mitochondrial NADH-ubiquinone reductase (Complex I) by an alkyl polyoxyethylene ether. Suzuki H, et al. **Biochem Int** 1986 Aug;13(2):351-7

The circular-dichroic properties of the 'Rieske' iron-sulphur protein in the mitochondrial ubiquinol: cytochrome c reductase. Degli Esposti M, et al. **Biochem J** 1987 Jan 1; 241(1):285-90

Effects of low-protein diet and starvation on the activity of branched-chain 2-oxo acid dehydrogenase kinase in rat liver and heart. Espinal J, et al. **Biochem J** 1986 Jul 1; 237(1):285-8

Effect of methylglyoxal bis(guanylhydrazone) on hepatic, heart and skeletal muscle mitochondrial carnitine palmitoyltransferase and beta-oxidation of fatty acids. Brady LJ, et al. **Biochem Pharmacol** 1987 Feb 15; 36(4):447-52

Inhibition of the mitochondrial NADH-oxidase (NADH-coenzyme Q oxido-reductase) enzyme system by flavonoids: a structure-activity study. Hodnick WF, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2873-4

Interaction between the oligomycin sensitivity conferring protein and the F0 sector of the mitochondrial adenosinetriphosphatase complex: cooperative effect of the F1 sector. Dupuis A, et al. **Biochemistry** 1987 Jan 27; 26(2):410-8

Identification of amino acid residues photolabeled with 2-azido[alpha-32P]adenosine diphosphate in the beta subunit of beef heart mitochondrial F1-ATPase. Garin J, et al. **Biochemistry** 1986 Jul 29;25(15):4431-7

Comparison of the precursor and mature forms of rat heart mitochondrial malate dehydrogenase. Grant PM, et al. **Biochemistry** 1987 Jan 13;26(1):128-34

Spin-label electron paramagnetic resonance and differential scanning calorimetry studies of the interaction between mitochondrial succinate-ubiquinone and ubiquinol-cytochrome c reductases. Gwak SH, et al. **Biochemistry** 1986 Nov 18;25(23):7675-82

Characteristics of the formation of enzyme-bound ATP from medium inorganic phosphate by mitochondrial F1 adenosinetriphosphatase in the presence of dimethyl sulfoxide. Kandpal RP, et al. **Biochemistry** 1987 Mar 24; 26(6):1512-7

Dependence of the activity of beef heart mitochondrial adenosinetriphosphatase on the properties of the catalytic metal ion. Urbauer JL, et al. **Biochemistry** 1987 May 19; 26(10):2914-24

Stoichiometry and dissociation constants for interaction of tetracaine with mitochondrial adenosinetriphosphatase as determined by fluorescence. Vanderkooi G, et al. **Biochemistry** 1986 Nov 4;25(22):7118-24

Geometric isomers of covalently labeled mitochondrial F1-adenosinetriphosphatase with different properties. Wang JH, et al. **Biochemistry** 1986 Dec 2;25(24):7996-8001

Location of lysine-beta 162 in mitochondrial F1-adenosinetriphosphatase. Wu JC, et al. **Biochemistry** 1986 Dec 2;25(24):7991-5

Inhibition of NADH-ubiquinone reductase activity by N,N'-dicyclohexylcarbodiimide and correlation of this inhibition with the occurrence of energy-coupling site 1 in various organisms. Yagi T. **Biochemistry** 1987 May 19; 26(10):2822-8

Resolution of the circular dichroism spectra of the mitochondrial cytochrome bc1 complex. Degli Esposti M, et al. **Biochim Biophys Acta** 1987 Jul 22;892(3):245-52

Mechanism of inhibition of mitochondrial enzymatic complex I-III by adriamycin derivatives. Goormaghtigh E, et al. **Biochim Biophys Acta** 1986 Sep 25;861(1):83-94

Inactivation of the mitochondrial ATPase inhibitor protein by chemical modification with diethylpyrocarbonate. Guerrieri F, et al. **Biochim Biophys Acta** 1987 Jul 22; 892(3):284–93

Phospholipid–dependent interaction between dibromothymoquinone and iron–sulfur protein in mitochondrial ubiquinol–cytochrome c reductase. Gwak SH, et al. **Biochim Biophys Acta** 1987 Mar 4;890(3):319–25

Purification of highly active cytochrome bc1 complexes from phylogenetically diverse species by a single chromatographic procedure. Ljungdahl PO, et al. **Biochim Biophys Acta** 1987 May 6;891(3):227–41

Only one of the two interconvertible forms of mitochondrial creatine kinase binds to heart mitoplasts. Marcillat O, et al. **Biochim Biophys Acta** 1987 Feb 11;890(2):233–41

Availability to monoclonal antibodies of antigenic sites of the alpha and beta subunits in active, denatured or membrane–bound mitochondrial F1–ATPase. Moradi–Améli M, et al. **Biochim Biophys Acta** 1987 Jan 16;890(1):55–65

Effects of adriamycin on respiratory chain activities in mitochondria from rat liver, rat heart and bovine heart. Evidence for a preferential inhibition of complex III and IV. Nicolay K, et al. **Biochim Biophys Acta** 1987 Jul 22; 892(3):320–30

Specif c inhibition of ATP–ADP translocase in cardiac mitoplasts by antibodies against mitochondrial creatine kinase. Saks VA, et al. **Biochim Biophys Acta** 1987 Apr 15;891(2):138–44

Bovine cytochrome c oxidases, purified from heart, skeletal muscle, liver and kidney, differ in the small subunits but show the same reaction kinetics with cytochrome c. Sinjorgo KM, et al. **Biochim Biophys Acta** 1987 Sep 10; 893(2):251–8

Exchange and hydrolysis of tightly bound nucleotides in normal and photolabelled bovine heart mitochondrial F1–ATPase. van Dongen MB, et al. **Biochim Biophys Acta** 1987 Aug 12;893(1):22–32

Site–site interaction on mitochondrial F1–ATPase. Functional symmetry of the high–affinity nucleotide binding sites. Tiedge H, et al. **Biol Chem Hoppe Seyler** 1986 Aug;367(8):689–94

Prognostic value of mitochondrial aspartate aminotransferase in acute myocardial infarction. Annoni G, et al. **Clin Biochem** 1986 Aug;19(4):235–9

Mitochondrial NADP–dependent malic enzyme of cod heart. Rate of forward and reverse reaction. Biegniewska A, et al. **Comp Biochem Physiol [B]** 1987;86(4):731–5

Comparative biochemistry of the ubiquinol–cytochrome c oxidoreductase (EC 1.10.2.2) isolated from different heart mitochondria. Degli Esposti M, et al. **Comp Biochem Physiol [B]** 1986;85(3):543–52

Two overlapping genes in bovine mitochondrial DNA encode membrane components of ATP synthase. Fearnley IM, et al. **EMBO J** 1986 Aug;5(8):2003–8

Changes in NADH–ubiquinone reductase (complex I) with autolysis in the rat heart as experimental model. van Jaarsveld H, et al. **Enzyme** 1986;35(4):206–14

The structure of NADH:ubiquinone oxidoreductase from beef–heart mitochondria. Crystals containing an octameric arrangement of iron–sulphur protein fragments. Brink J, et al. **Eur J Biochem** 1987 Jul 15;166(2):287–94

Influence of buffer composition, membrane lipids and proteases on the kinetics of reconstituted cytochrome–c oxidase from bovine liver and heart. Büge U, et al. **Eur J Biochem** 1986 Dec 1;161(2):383–90

On the oxidation pathways of the mitochondrial bc1 complex from beef heart. Effects of various inhibitors. Degli Esposti M, et al. **Eur J Biochem** 1986 Nov 3;160(3):547–55

ATP synthase complex from beef heart mitochondria. Separation of protein bands in the region of 28–31 kDa. Freisleben HJ, et al. **Eur J Biochem** 1986 Oct 1; 160(1):155–61

Chemical modification studies of beef–heart mitochondrial b–c1 complex. Effect of modification by ethoxyformic anhydride. Lorusso M, et al. **Eur J Biochem** 1987 Jan 2; 162(1):231–8

Proton translocation by the H+–ATPase of mitochondria. Effect of modification by monofunctional reagents of thiol residues in F0 polypeptides. Zanotti F, et al. **Eur J Biochem** 1987 May 4;164(3):517–23

A monoclonal antibody against cytochrome c oxidase distinguishes cardiac and skeletal muscle mitochondria. Nakagawa M, et al. **Exp Cell Res** 1987 Jan;168(1):44–52

Effects of organic solvents and orthophosphate on the ATPase activity of F1 ATPase. de Meis L. **FEBS Lett** 1987 Mar 23;213(2):333–6

Photolabelling of a mitochondrially encoded subunit of NADH dehydrogenase with [3H]dihydrorotenone. Earley FG, et al. **FEBS Lett** 1987 Jul 13;219(1):108–12

Characterization of the nucleotide tight–binding sites of the isolated mitochondrial F1–ATPase. Milgrom YaM, et al. **FEBS Lett** 1987 Jul 13;219(1):156–60

Isolation and amino acid sequence of the 'Rieske' iron sulfur protein of beef heart ubiquinol:cytochrome c reductase. Schägger H, et al. **FEBS Lett** 1987 Jul 13;219(1):161–8

Some aspects of the mitochondrial oxidative metabolism in human atrial tissue during cardiopulmonary by–pass. Corbucci GG, et al. **Int J Tissue React** 1987;9(3):227–32

Electrophoretic behavior of the H+–ATPase proteolipid from bovine heart mitochondria. Kopecký J, et al. **J Bioenerg Biomembr** 1986 Dec;18(6):507–19

ATP induces conformational changes in mitochondrial cytochrome c oxidase. Effect on the cytochrome c binding site. Bisson R, et al. **J Biol Chem** 1987 May 5;262(13):5992–8

Evidence for functional heterogeneity among the catalytic sites of the bovine heart mitochondrial F1–ATPase. Bullough DA, et al. **J Biol Chem** 1987 Aug 25; 262(24):11675–83

Inactivation of the bovine heart mitochondrial F1–ATPase by 5'–p–fluorosulfonylbenzoyl[3H]inosine is accompanied by modification of tyrosine 345 in a single beta subunit. Bullough DA, et al. **J Biol Chem** 1986 Oct 25; 261(30):14171–7

Purification and characterization of the potent endonuclease in extracts of bovine heart mitochondria. Cummings OW, et al. **J Biol Chem** 1987 Feb 15;262(5):2005–15

Energy–linked nicotinamide–nucleotide transhydrogenase. Characterization of reconstituted ATP–driven transhydrogenase from beef heart mitochondria. Eytan GD, et al. **J Biol Chem** 1987 Apr 15;262(11):5008–14

Energy–linked nicotinamide–nucleotide transhydrogenase. Light–driven transhydrogenase catalyzed by transhydrogenase from beef heart mitochondria reconstituted with bacteriorhodopsin. Eytan GD, et al. **J Biol Chem** 1987 Apr 15;262(11):5015–9

Coupling factor B is a component of the Fo proton channel of mitochondrial H+–ATPase. Huang Y, et al. **J Biol Chem** 1987 Mar 5;262(7):3007–10

Adenine nucleotide binding sites on beef heart F1–ATPase. Asymmetry and subunit location. Kironde FA, et al. **J Biol Chem** 1987 Mar 15;262(8):3488–95

Effect of phospholipids on the catalytic subunits of the mitochondrial F0.F1–ATPase. Laird DM, et al. **J Biol Chem** 1986 Nov 5;261(31):14851–6

Reconstitution of mitochondrial F0.F1–ATPase with phosphatidylcholine using the nonionic detergent, octylglucoside. Laird DM, et al. **J Biol Chem** 1986 Nov 5;261(31):14844–50

Structure of the copper sites in membrane–bound cytochrome c oxidase. Powers L, et al. **J Biol Chem** 1987 Mar 5; 262(7):3160–4

Factors affecting the reactivation of the oligomycin–sensitive adenosine 5'–triphosphatase and the release of ATPase inhibitor protein during the re–energization of intact mitochondria from ischemic cardiac muscle. Rouslin W. **J Biol Chem** 1987 Mar 15;262(8):3472–6

Quantitation of the interaction between citrate synthase and malate dehydrogenase. Tompa P, et al. **J Biol Chem** 1987 May 5;262(13):6089–92

A signal sequence domain essential for processing, but not import, of mitochondrial pre–ornithine carbamyl transferase. Nguyen M, et al. **J Cell Biol** 1987 May; 104(5):1193–8

Rapid chromatographic purification of the mitochondrial isoenzyme of beef heart malate dehydrogenase. Skabrahová Z, et al. **J Chromatogr** 1986 Nov 21;369(2):426–30

Congenital deficiency of two polypeptide subunits of the iron–protein fragment of mitochondrial complex I. Moreadith RW, et al. **J Clin Invest** 1987 Feb;79(2):463–7

The complete amino acid sequences of cytosolic and mitochondrial aspartate aminotransferases from horse heart, and inferences on evolution of the isoenzymes. Doonan S, et al. **J Mol Evol** 1986;23(4):328–35

Malonyl–CoA binding site and the overt carnitine palmitoyltransferase activity reside on the opposite sides of the outer mitochondrial membrane. Murthy MS, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):378–82

[The status of monoaminoxidase in myocardial, diaphragm and liver mitochondria in swine breeds of different constitutions] Quanz G, et al. **DTW** 1987 Jul–Aug; 94(7):403–6 (Eng. Abstr.) **(Ger)**

[Mitochondrial adaptation after experimental overload induced on the heart by acute physical exercise or by aortic stenosis: effect of coenzyme Q10] Muscari C, et al. **Cardiologia** 1986 Jun;31(6):427–33 (Eng. Abstr.) **(Ita)**

[Changes in Ca++–ATPase activity of rat myocyte under cardioplegia] Satoh S, et al. **Nippon Geka Gakkai Zasshi** 1987 Jun;88(6):755–60 (Eng. Abstr.) **(Jpn)**

[Affinity modification of creatine kinase and ATP–ADP translocase in heart mitochondria: determination of their stoichiometric ratio] Kuznetsov AV, et al. **Biokhimiia** 1986 Sep;51(9):1426–37 (Eng. Abstr.) **(Rus)**

[Stimulation of mitochondrial oxidative enzymes in acute cooling and its catecholamine mechanisms] Kulinskiĭ VI, et al. **Vopr Med Khim** 1986 Sep–Oct;32(5):84–8 (Eng. Abstr.) **(Rus)**

[Ultrastructural localization of succinate dehydrogenase in the myocardium. Functional heterogeneity of the mitochondria is probably an artifact dependent on the method of preparation] Slezák J, et al. **Bratisl Lek Listy** 1987 Feb;87(2):139–47 (Eng. Abstr.) **(Slo)**

IMMUNOLOGY

High prevalence of anti–mitochondrial antibodies among patients with some well–defined connective tissue diseases. Mouritsen S, et al. **Clin Exp Immunol** 1986 Oct;66(1):68–76

METABOLISM

Hypophosphatemia and hypomagnesemia result in cardiovascular dysfunction: theoretical basis for alcohol–induced cellular injury. Brautbar N, et al. **Alcoholism (NY)** 1987 Apr;11(2):118–26

Changes in lipid composition of rat heart mitochondria after chronic ethanol administration. Foudin L, et al. **Alcoholism (NY)** 1986 Dec;10(6):606–9

Persistence of mitochondrial competence during myocardial autolysis. Rouslin W. **Am J Physiol** 1987 May;252(5 Pt 2):H985–9

Respiration–dependent uptake and extrusion of Mg2+ by isolated heart mitochondria. Brierley GP, et al. **Arch Biochem Biophys** 1987 Mar;253(2):322–32

Hormonal effects on mitochondrial respiration: potential role of endogenous lipolytic activities. Crost S, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):421–9

Interaction of creatine kinase with phosphorylating rabbit heart mitochondria and mitoplasts. Vial C, et al. **Arch Biochem Biophys** 1986 Dec;251(2):558–66

Binding of diltiazem and verapamil to isolated rat heart mitochondria. Rafael J, et al. **Basic Res Cardiol** 1987 May–Jun;82(3):246–51

A fluorescent derivative of the oligomycin–sensitivity conferring protein (acrylodan–OSCP). Evidence for polarity changes in the environment of CYS118 of OSCP upon binding to mitochondrial F1. Dupuis A, et al. **Biochem Biophys Res Commun** 1987 Jan 15;142(1):31–7

Effects of dietary selenium on lipid peroxidation, mitochondrial function and protein profiles in the heart of the myopathic Syrian golden hamster (BIO 14.6). Jamall IS, et al. **Biochem Biophys Res Commun** 1987 Apr 29; 144(2):815–20

Protective effect of endogenous coenzyme Q on both lipid peroxidation and respiratory chain inactivation induced by an adriamycin–iron complex. Solaini G, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):572–80

The anesthetic nitrous oxide affects dioxygen utilization by bovine heart and bean seed mitochondrial particles. Sowa S, et al. **Biochem Biophys Res Commun** 1987 Apr 29; 144(2):643–8

Stoichiometric traps in the tricarboxylic acid cycle. I. Self–inhibition and triggering phenomena. Dynnik VV, et al. **Biochem Int** 1987 Feb;14(2):199–210

Oxidative phosphorylation of creatine by respiring pig heart mitochondria in the absence of added adenine nucleotides. Kim IH, et al. **Biochem Int** 1987 Jan;14(1):103–10

A simple assay of the superoxide generation rate with Tiron as an EPR–visible radical scavenger. Ledenev AN, et al. **Biochem Int** 1986 Aug;13(2):391–6

The acylation of lysophosphoradylglycerocholines in guinea–pig heart mitochondria. Arthur G, et al. **Biochem J** 1987 Feb 15;242(1):171–5

Decreased rate of ketone–body oxidation and decreased activity of D–3–hydroxybutyrate dehydrogenase and succinyl–CoA:3–oxo–acid CoA–transferase in heart mitochondria of diabetic rats. Grinblat L, et al. **Biochem J** 1986 Nov 15;240(1):49–56

31P–NMR spectroscopic investigations and mitochondrial studies on the cardioprotective efficiency of 2–mercaptopropionylglycine. Fuchs J, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4381–5

Effects of adrenergic agonists and mitochondrial energy state on the Ca2+ transport systems of mitochondria. Goldstone TP, et al. **Biochemistry** 1987 Jan 13;26(1):246–54

Preparation and properties of cardiac cytochrome c1. Kim CH, et al. **Biochemistry** 1987 Apr 7;26(7):1955–61

Kinetic control of mitochondrial ATP synthesis. LaNoue KF, et al. **Biochemistry** 1986 Nov 18;25(23):7667–75

Anomalous oxygen–18 exchange during ATP synthesis in oxidative phosphorylation. Sines JJ, et al. **Biochemistry** 1986 Oct 7;25(20):6144–9

Dynamic compartmentation of adenine nucleotides in the mitochondrial intermembrane space of rat–heart mitochondria. Gellerich FN, et al. **Biochim Biophys Acta** 1987 Feb 11;890(2):117–26

Mitochondrial respiratory control in the myocardium. Hassinen IE. **Biochim Biophys Acta** 1986;853(2):135–51 (151 ref.)

Kinetics of the reconstituted 2–oxoglutarate carrier from bovine heart mitochondria. Indiveri C, et al. **Biochim Biophys Acta** 1987 Mar 4;890(3):310–8

Mitochondrial Ca2+ fluxes and levels during ischaemia and reperfusion: possible mechanisms. Lochner A, et al. **Biochim Biophys Acta** 1987 Jan 19;927(1):8–17

Substrate–dependent functional defects and altered mitochondrial respiratory capacity in hearts from guinea pigs with iron deficiency anemia. Macdonald VW, et al. **Biochim Biophys Acta** 1987 Apr 15;891(2):103–14

Mechanism of adenosine production by isolated rat heart mitochondria. pukoski RD, et al. **Biochim Biophys Acta** 1986 Oct 29;884(1):25–30

Conserved structural domains among species and tissues–specific differences in the mitochondrial phosphate–transport protein and the ADP/ATP carrier. Rasmussen UB, et al. **Biochim Biophys Acta** 1986 Dec 3; 852(2–3):306–14

Photoaffinity labeling of the mitochondrial phosphate carrier by 4–azido–2–nitrophenyl phosphate. Tommasino M, et al. **Biochim Biophys Acta** 1987 Jan 16;890(1):39–46

Mitochondrial respiratory parameters in cardiac tissue: a novel method of assessment by using saponin–skinned fibers. Veksler VI, et al. **Biochim Biophys Acta** 1987 Jun 29;892(2):191–6

Interaction of chlorinated phenolics and quinones with the

mitochondrial respiration: a comparison of the o- and p-chlorinated quinones and hydroquinones. Pritsos CA, et al. **Bull Environ Contam Toxicol** 1987 May;38(5):847–55

Impairment of mitochondrial and sarcoplasmic reticular functions during the development of heart failure in cardiomyopathic (UM–X7.1) hamsters. Panagia V, et al. **Can J Cardiol** 1986 Jul–Aug;2(4):236–47

Effects of mitoxantrone and doxorubicin on energy metabolism of the rat heart. Bachmann E, et al. **Cancer Treat Rep** 1987 Apr;71(4):361–6

Comparison of the effect of scorpion venom (Buthus martensii Kashi) on the rat brain and heart mitochondria. Song WX, et al. **Cell Biol Int Rep** 1986 Nov;10(11):897–904

Influence of different dietary concentrations of linoleic acid on the essential fatty acid (EFA) status and functional characteristics of porcine hepatic and cardiac mitochondria. Christensen K. **Comp Biochem Physiol [B]** 1986;85(2):419–25

Mitochondrial and peroxisomal beta-oxidations in pig coronary smooth muscle cells. Colomb C, et al. **Comp Biochem Physiol [B]** 1987;87(2):217–20

The effect of smoking on myocardial metabolism. Gvozdják J, et al. **Czech Med** 1987;10(1):47–53

Sequence of the bovine mitochondrial phosphate carrier protein: structural relationship to ADP/ATP translocase and the brown fat mitochondria uncoupling protein. Runswick MJ, et al. **EMBO J** 1987 May;6(5):1367–73

Mitochondria catalyze the reduction of NAD by reduced methylviologen. Nagata S, et al. **FEBS Lett** 1987 Jan 1; 210(1):66–70

A novel superoxide radical generator in heart mitochondria. Nohl H. **FEBS Lett** 1987 Apr 20;214(2):269–73

Effect of activated oxygen species on mitochondria isolated from myocardium after reperfusion injury. Blasig IE, et al. **Gen Physiol Biophys** 1986 Dec;5(6):655–8

Dissociation of phosphate from beef heart mitochondrial F1-ATPase. Effect of adenine nucleotides. Beharry S, et al. **J Biol Chem** 1987 Aug 5;262(22):10630–7

Identification of an outer mitochondrial membrane protein that interacts with a synthetic signal peptide. Gillespie LL. **J Biol Chem** 1987 Jun 15;262(17):7939–42

Immunological comparison of the b and c1 cytochromes from bovine heart mitochondria and the photosynthetic bacterium Rhodopseudomonas sphaeroides R-26. Haley PE, et al. **J Biol Chem** 1986 Nov 5;261(31):14593–9

pH regulation of mitochondrial branch chain alpha-keto acid transport and oxidation in rat heart mitochondria. Hutson SM. **J Biol Chem** 1987 Jul 15;262(20):9629–35

Creatine kinase of heart mitochondria. Control of oxidative phosphorylation by the extramitochondrial concentrations of creatine and phosphocreatine. Jacobus WE, et al. **J Biol Chem** 1986 Dec 15;261(35):16579–83

Quantitation of the efflux of acylcarnitines from rat heart, brain, and liver mitochondria. Lysiak W, et al. **J Biol Chem** 1986 Oct 15;261(29):13698–703

Kinetic modalities of ATP synthesis. Regulation by the mitochondrial respiratory chain. Matsuno-Yagi A, et al. **J Biol Chem** 1986 Oct 25;261(30):14031–8

Determination of the P/2e- stoichiometries at the individual coupling sites in mitochondrial oxidative phosphorylation. Evidence for maximum values of 1.0, 0.5, and 1.0 at sites 1, 2, and 3. Stoner CD. **J Biol Chem** 1987 Aug 5; 262(22):10445–53

A transport system for coenzyme A in isolated rat heart mitochondria. Tahiliani AG, et al. **J Biol Chem** 1987 Aug 25;262(24):11607–10

The effect of treatment with coenzyme Q10 on the mitochondrial function and superoxide radical formation in cardiac muscle hypertrophied by mild aortic stenosis. Guarnieri C, et al. **J Mol Cell Cardiol** 1987 Jan;19(1):63–71

Protective effects of amiodarone pretreatment on mitochondrial function and high energy phosphates in ischaemic rat heart. Nokin P, et al. **J Mol Cell Cardiol** 1987 Jun;19(6):603–14

Lack of age-dependent changes in rat heart mitochondria. Manzelmann MS, et al. **Mech Ageing Dev** 1987 Aug; 39(3):281–8

Ser-tRNAs from bovine mitochondrion form ternary complexes with bacterial elongation factor Tu and GTP. Gebhardt-Singh E, et al. **Nucleic Acids Res** 1986 Sep 25; 14(18):7175–88

Biochemical aspects of the mechanism of action of antiarrhythmic drugs on mitochondria. VIII. Effect on Ca2+ transport. Borba HR, et al. **Res Commun Chem Pathol Pharmacol** 1987 Jan;55(1):59–65

Binding of [14C] allylamine to isolated mitochondria from rat heart and aorta. Hysmith RM, et al. **Toxicology** 1987 Apr;44(1):13–29

[Mitochondrial function and formation of superoxide radicals in the hypertrophic cardiac muscle: effect of the administration of coenzyme Q10] Caldarera CM, et al. **Cardiologia** 1987 Mar;32(3):249–53 (Eng. Abstr.) **(Ita)**

[Intracellular distribution of 14C-creatine 32P-phosphate in the rabbit myocardium] Fini A, et al. **Cardiologia** 1986 Jul; 31(7):505–7 (Eng. Abstr.) **(Ita)**

[Effects of excessive norepinephrine on cardiac mitochondria calcium transport and oxidative phosphorylation] Ogawa K, et al. **Kokyu To Junkan** 1986 Nov;34(11):1147–51 **(Jpn)**

[Stimulation by quinones of cyanide-resistant respiration in rat liver and heart mitochondria] Kolesova GM, et al. **Biokhimiia** 1987 May;52(5):715–9 (Eng. Abstr.) **(Rus)**

[Relation between glutamate and adenine nucleotide levels of heart mitochondria during hypoxia] Pisarenko OI, et al. **Biokhimiia** 1987 Apr;52(4):543–9 (Eng. Abstr.) **(Rus)**

[Mechanism of activation of the external pathway of NADH oxidation in myocardial mitochondria during hemorrhagic shock] Shamkulashvili GG, et al. **Biokhimiia** 1987 Jan; 52(1):37–41 (Eng. Abstr.) **(Rus)**

[Binding of Ca2+ to glycoprotein from bovine heart mitochondria] Sirota TV, et al. **Ukr Biokhim Zh** 1987 May–Jun;59(3):42–6 (Eng. Abstr.) **(Rus)**

[The role of carnitine in the energy metabolism of mitochondria and myocardial cells during ischemia and post-ischemic reperfusion] Tolelkis AI, et al. **Vopr Med Khim** 1986 Nov–Dec;32(6):106–10 (Eng. Abstr.) **(Rus)**

[Effect of vitamin E and tetracycline on energy metabolism in the heart of old rabbits] Barnová E, et al. **Bratisl Lek Listy** 1987 Feb;87(2):161–7 (Eng. Abstr.) **(Slo)**

[Aging as reflected by energy metabolism within the cell] Guzy J, et al. **Cesk Fysiol** 1987;36(2):141–5 **(Slo)**

[Decreased oxidation of ketone bodies by heart mitochondria in diabetes] Grinblat L, et al. **Medicina (B Aires)** 1986; 46(6):698–704 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Histopathological observation of the heart with diffuse and abnormal proliferation of mitochondria in myocardial cells (mitochondrial cardiomyopathy): report of an adult case. Kajihara H, et al. **Heart Vessels** 1986;2(4):233–8

PHYSIOLOGY

Optical monitoring of mitochondrial membrane potential in intact myocardium and its application to the development of tissue injury caused by calcium readmission to the isolated perfused heart. Hassinen I. **Adv Exp Med Biol** 1986; 200:531–8

Biochemical aspects of the mechanism of action of antiarrhythmic drugs on mitochondria. VII. Effect on energy-linked reactions and on membrane potential. Klüppel ML, et al. **Cell Biochem Funct** 1986 Oct; 4(4):289–96

Factors affecting the loss of mitochondrial function in autolyzing cardiac muscle. Rouslin W, et al. **J Mol Cell Cardiol** 1986 Nov;18(11):1187–95

ULTRASTRUCTURE

Elasticity of synthetic phospholipid vesicles and submitochondrial particles during osmotic swelling. Li W, et al. **Biochemistry** 1986 Dec 16;25(25):8220–9

Giant mitochondria in the myocardium of aging and endurance-trained mice. Coleman R, et al. **Gerontology** 1987;33(1):34–9

Isolation and characterization of 3-hydroxyacyl coenzyme A dehydrogenase-binding protein from pig heart inner mitochondrial membrane. Kispal G, et al. **J Biol Chem** 1986 Oct 25;261(30):14209–13

Immunocytochemical investigation of native matrix granules of the rat heart mitochondrion. Hertsens RC, et al. **J Ultrastruct Mol Struct Res** 1986 Jan;94(1):1–15

Congestive heart failure due to mitochondrial cardiomyopathy in Kearns-Sayre syndrome. Kleber FX, et al. **Klin Wochenschr** 1987 May 15;65(10):480–6

[Ultramicroscopic pathological changes in a case of hypertrophic obstructive cardiomyopathy containing giant mitochondria] Li XZ. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Aug; 14(4):240–2 **(Chi)**

[Stress-induced changes in the area ratio or the quantitative ratio of myocardial mitochondria and myofibrils and their correction with thyroid hormones] Bozhko AP, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):27–30 (Eng. Abstr.) **(Rus)**

[Changes in the population of mitochondria in a model of myocardial cell damage] Devečka V, et al. **Bratisl Lek Listy** 1987 Jan;87(1):85–91 (Eng. Abstr.) **(Slo)**

MITOCHONDRIA, LIVER

ANALYSIS

Mitochondrial phosphate carrier. Functional role of its SH groups and interrelations within the carrier unit. Ligeti E, et al. **Eur J Biochem** 1987 Aug 17;167(1):167–73

Characteristics of poly(A)-containing RNA from liver mitochondria of normal and adrenalectomized rats. Minchenko AG. **Neurosci Behav Physiol** 1986 Jul–Aug; 16(4):291–5

[Primary structure of hepatoredoxin from bovine liver mitochondria] Chashchin VL, et al. **Bioorg Khim** 1986 Sep; 12(9):1286–9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Mitochondrial studies with the new anaesthetic 2,6-diisopropylphenol. Scutari G, et al. **Agressologie** 1986 Nov;27(10):831–3

Effects of halothane and decreased PO2 on high energy phosphate levels maintained by isolated rat liver mitochondria. Becker GL, et al. **Anesth Analg** 1986 Nov; 65(11):1130–4

Effects of ethanol on the structure and function of rat liver mitochondrial and microsomal membranes. Taraschi TF, et al. **Ann NY Acad Sci** 1986;488:127–39

Hematoporphyrin derivative (Photofrin II) photosensitization of isolated mitochondria: impairment of anion translocation. Atlante A, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):584–90

Rhodamine 123 inhibits import of rat liver mitochondrial transhydrogenase. Lubin IM, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):477–83

The reversible Ca2+-induced permeabilization of rat liver mitochondria. Al-Nasser I, et al. **Biochem J** 1986 Oct 1; 239(1):19–29

Effects of nondenaturating zwitterionic detergent CHAPS, 3-[(3-cholamido propyl) dimethyl ammonio]-1-propanesulfonate, on rat liver mitochondrial and microsomal monoamine oxidase. Bancells L, et al. **Biochem Pharmacol** 1987 Aug 1;36(15):2539–46

Stereospecific action of diltiazem on the mitochondrial Na-Ca exchange system and on sarcolemmal Ca-channels. Chiesi M, et al. **Biochem Pharmacol** 1987 Sep 1; 36(17):2735–40

2,5,2',5'-Tetrachlorobiphenyl impairs the bioenergetic functions of isolated rat liver mitochondria. Nishihara Y, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3335–9

Bromosulfophthalein abolishes glutathione-dependent protection against lipid peroxidation in rat liver mitochondria. Yonaha M, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2831–7

Effect of administration of diethylhexyl phthalate on the function and turnover of rat hepatic mitochondria. Nair N, et al. **Biochim Biophys Acta** 1987 Sep 11;925(3):332–40

Uncoupling effect of fungal hydroxyanthraquinones on mitochondrial oxidative phosphorylation. Betina V, et al. **Chem Biol Interact** 1987;62(2):179–89

Hepatotoxicity in rat following administration of valproic acid: effect of L-carnitine supplementation. Sugimoto T, et al. **Epilepsia** 1987 Jul–Aug;28(4):373–7

Examination of the structural requirements for proliferation of peroxisomes and mitochondria in mouse liver by hypolipidemic agents, with special emphasis on structural analogues of 2-ethylhexanoic acid. Lundgren B, et al. **Eur J Biochem** 1987 Mar 2;163(2):423–31

Effect of adriamycin on electron transport in rat heart, liver, and tumor mitochondria. Bianchi C, et al. **Exp Mol Pathol** 1987 Feb;46(1):123–35

Porphyrins and pentachlorophenol in rat-liver mitochondria in hexachlorobenzene-induced porphyria. Trenti T, et al. **IARC Sci Publ** 1986;(77):457–9

Functional derangement of liver mitochondria from hexachlorobenzene-treated rats. Trenti T, et al. **IARC Sci Publ** 1986;(77):329–31

Comparative study on biological activities of heterocyclic quinones and streptonigrin. Take Y, et al. **J Antibiot (Tokyo)** 1987 May;40(5):679–84

The antibiotic W341C, its ion transport properties and inhibitory effects on mitochondrial substrate oxidation. Wehbie RS, et al. **J Antibiot (Tokyo)** 1987 Jun;40(6):887–93

The effects of cadmium on succinate and NADH-linked substrate oxidations in rat hepatic mitochondria. Cameron I, et al. **J Appl Toxicol** 1986 Oct;6(5):325–30

Early biochemical alterations in liver mitochondria from carbon tetrachloride poisoned rats. Villarruel MC, et al. **J Appl Toxicol** 1987 Jun;7(3):173–7

Action of cyclosporine on mitochondrial calcium fluxes. Fournier N, et al. **J Bioenerg Biomembr** 1987 Jun; 19(3):297–303

Ion permeability induction by the SH cross-linking reagents in rat liver mitochondria is inhibited by the free radical scavenger, butylhydroxytoluene. Novgorodov SA, et al. **J Bioenerg Biomembr** 1987 Jun;19(3):191–202

Iron-induced peroxidative injury to isolated rat hepatic mitochondria. Bacon BR, et al. **J Free Radic Biol Med** 1986;2(5–6):339–47

Permeability changes in hepatic mitochondria and altered glucose and urea metabolism in aroclor 1254-treated rats. Ebner KV, et al. **J Toxicol Environ Health** 1987;22(1):45–62

Activation of mitochondrial functions by malotilate in relation to accelerated liver regeneration in partially hepatectomized rats. Niwano Y, et al. **Jpn J Pharmacol** 1986 Dec;42(4):525–9

Direct in vitro action of thyroid hormones on mitochondrial RNA-polymerase. Martino G, et al. **Mol Biol Rep** 1986; 11(4):205–11

Mitochondrial effect of orally administered dibutyl phthalate in rats. Murakami K, et al. **Nippon Eiseigaku Zasshi** 1986 Oct;41(4):769–74

Changes in physicochemical properties of mitochondrial membranes during the formation process of megamitochondria induced by hydrazine. Wakabayashi T, et al. **Toxicol Appl Pharmacol** 1987 Feb;87(2):235–48

Cimetidine inhibits cerebral and hepatic mitochondrial respiration in rat. Ghersi-Egea JF, et al. **Toxicol Lett** 1986 Dec;34(2–3):253–9

Mechanisms of petroleum hydrocarbon toxicity: studies on the response of rat liver mitochondria to Prudhoe Bay crude oil and its aliphatic, aromatic and heterocyclic fractions. Khan S, et al. **Toxicology** 1986 Dec 15; 42(2–3):131–42

[Protective effect of propyl gallic acid on the swelling and lipid peroxidation of rat liver mitochondria] Wang JF, et al. **Yao Hsueh Hsueh Pao** 1986 Nov;21(11):857–60 (Eng.

Abstr.) (Chi)
[In vitro effects of E. coli endotoxin on the membrane permeability and substrate transport of isolated rat liver mitochondria] Kopprasch S, et al. **Biomed Biochim Acta** 1987;46(1):59–66 (Eng. Abstr.) (Ger)
[Effect of the functional groups of tocopherol molecules on lipid viscosity of mitochondria] Kerimov RF, et al. **Biull Eksp Biol Med** 1987 May;103(5):540–3 (Eng. Abstr.) (Rus)
[Effectiveness of lipid peroxidation inhibition in biomembranes by antioxidants with and without hydrocarbon chains] Serbinova EA, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):419–21 (Eng. Abstr.) (Rus)
[Changes in blood oxygen saturation parameters and inhibition of liver mitochondrial respiration in response to exposure to pyrazolone and hydroxynaphthoic acid products] Talakin IuN, et al. **Gig Sanit** 1987 Apr;(4):82–3 (Rus)
[Effect of glucocorticoid hormones on NADH and succinate oxidation by rat brain and liver mitochondria] Vol'skiĭ GG, et al. **Nerv Sist** 1986;25:88–97 (Rus)
[Effect of radiomodifiers on lipid peroxidation and the structural–functional state of irradiated mitochondria] Sellanov AS, et al. **Radiobiologiia** 1987 Mar–Apr; 27(2):242–5 (Eng. Abstr.) (Rus)
[Effect of the humic and fulvic acids of sapropel on the NAD.H–oxidase activity of the liver mitochondria] Ioshchenko SE. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Sep–Oct;(5):29–32 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Rat liver mitochondria contain two immunologically distinct dihydrolipoamide dehydrogenases. Carothers DJ, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):597–605
Biosynthesis of four rat liver mitochondrial acyl–CoA dehydrogenases: in vitro synthesis, import into mitochondria, and processing of their precursors in a cell-free system and in cultured cells. Ikeda Y, et al. **Arch Biochem Biophys** 1987 Feb 1;252(2):662–74
A comparison of the cytosolic and mitochondrial forms of asparagine/glyoxylate aminotransferase. Maul DM, et al. **Arch Biochem Biophys** 1986 Dec;251(2):577–84
Kinetic properties and characteristics of mouse liver mitochondrial asparagine aminotransferase. Maul DM, et al. **Arch Biochem Biophys** 1986 Dec;251(2):585–93
2-Chloro-2-phenylethylamine as a mechanistic probe and active site-directed inhibitor of monoamine oxidase from bovine liver mitochondria. Weyler W. **Arch Biochem Biophys** 1987 Jun;255(2):400–8
25-hydroxylation of vitamin D3 in rat liver: roles of mitochondrial and microsomal cytochrome P-450. Dahlbäck H, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):999–1005
Human liver cDNA clones encoding proteolipid subunit 9 of the mitochondrial ATPase complex. Farrell LB, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1257–64
NADP+ phosphatase: a novel mitochondrial enzyme. Richter C. **Biochem Biophys Res Commun** 1987 Jul 15; 146(1):253–7
Characterization of hepatic carnitine palmitoyltransferase. Use of bromoacyl derivatives and antibodies. Brady PS, et al. **Biochem J** 1987 Feb 1;241(3):751–7
Action in vivo and in vitro of 2-tetradecylglycidic acid, 2-tetradecylglycidyl-CoA and 2-tetradecylglycidylcarnitine on hepatic carnitine palmitoyltransferase. Brady PS, et al. **Biochem J** 1986 Sep 15;238(3):801–9
Free-radical-mediated fragmentation of monoamine oxidase in the mitochondrial membrane. Roles for lipid radicals. Dean RT, et al. **Biochem J** 1986 Dec 1;240(2):489–94
Kinase activator protein mediates longer-term effects of starvation on activity of pyruvate dehydrogenase kinase in rat liver mitochondria. Denyer GS, et al. **Biochem J** 1986 Oct 15;239(2):347–54
Inhibition of the low-Km mitochondrial aldehyde dehydrogenase by diethyl maleate and phorone in vivo and in vitro. Implications for formaldehyde metabolism. Dicker E, et al. **Biochem J** 1986 Dec 15;240(3):821–7
Effects of low-protein diet and starvation on the activity of branched-chain 2-oxo acid dehydrogenase kinase in rat liver and heart. Espinal J, et al. **Biochem J** 1986 Jul 1; 237(1):285–8
Studies on the activation in vitro of carnitine palmitoyltransferase I in liver mitochondria from normal, diabetic and glucagon-treated rats. Grantham BD, et al. **Biochem J** 1987 Apr 1;243(1):261–5
Restoration of the properties of carnitine palmitoyltransferase I in liver mitochondria during re-feeding of starved rats. Grantham BD, et al. **Biochem J** 1986 Oct 15;239(2):485–8
Sensitivity to NN'-dicyclohexylcarbodi-imide of proton translocation by mitochondrial NADH:ubiquinone oxidoreductase. Honkakoski PJ, et al. **Biochem J** 1986 Aug 1;237(3):927–30
Inactivation of horse liver mitochondrial aldehyde dehydrogenase by disulfiram. Evidence that disulfiram is not an active-site-directed reagent. Sanny CG, et al. **Biochem J** 1987 Mar 1;242(2):499–503
Oxidation and enzyme-activated irreversible inhibition of rat liver monoamine oxidase-B by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP). Tipton KF, et al. **Biochem J** 1986 Dec 1;240(2):379–83
Regulation by oestrogen of carnitine palmitoyltransferase in hepatic mitochondria. Weinstein I, et al. **Biochem J** 1986 Jul 15;237(2):593–6
Proton translocation by cytochrome oxidase in (antimycin + myxothiazol)-treated rat liver mitochondria using ferrocyanide or hexammineruthenium as electron donor. West IC, et al. **Biochem J** 1986 May 15;236(1):15–21
Mitochondrial acetoacetyl-CoA thiolase deficiency. Hartlage P, et al. **Biochem Med Metab Biol** 1986 Oct;36(2):198–206
Effect of methylglyoxal bis(guanylhydrazone) on hepatic, heart and skeletal muscle mitochondrial carnitine palmitoyltransferase and beta-oxidation of fatty acids. Brady LJ, et al. **Biochem Pharmacol** 1987 Feb 15; 36(4):447–52
The effects of cephem antibiotics and related compounds on the aldehyde dehydrogenase in rat liver mitochondria. Kamei C, et al. **Biochem Pharmacol** 1987 Jun 15; 36(12):1933–9
Purification and characterization of murine protoporphyrinogen oxidase. Dailey HA, et al. **Biochemistry** 1987 May 19;26(10):2697–701
Cloning and sequence analysis of cDNAs encoding mammalian mitochondrial malate dehydrogenase. Joh T, et al. **Biochemistry** 1987 May 5;26(9):2515–20
ADP-ribosyl transferase and NAD glycohydrolase activities in rat liver mitochondria. Masmoudi A, et al. **Biochemistry** 1987 Apr 7;26(7):1965–9
Ligand binding studies of the F1 moiety of rat liver ATP synthase: implications about the enzyme's structure and mechanism. Williams N, et al. **Biochemistry** 1987 Jan 13; 26(1):162–9
Inhibition of NADH-ubiquinone reductase activity by N,N'-dicyclohexylcarbodiimide and correlation of this inhibition with the occurrence of energy-coupling site 1 in various organisms. Yagi T. **Biochemistry** 1987 May 19; 26(10):2822–8
Hydrolysis of membrane-associated phosphoglycerides by mitochondrial phospholipase A2. de Winter JM, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):169–77
Purification and properties of a mannosyltransferase solubilized from mitochondrial outer membranes. Gasnier F, et al. **Biochim Biophys Acta** 1987 Sep 11;925(3):297–304
Hydrolysis of exogenous substrates by mitochondrial phospholipase A2. Lenting HB, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):178–85
Carnitine palmitoyltransferase: separation of enzyme activity and malonyl-CoA binding in rat liver mitochondria [published erratum appears in Biochim Biophys Acta 1986 Dec 5;879(3):425] Lund H, et al. **Biochim Biophys Acta** 1986 Sep 12;878(2):243–9
Carnitine palmitoyltransferase: characterization of a labile detergent-extracted malonyl-CoA-sensitive enzyme from rat liver mitochondria. Lund H. **Biochim Biophys Acta** 1987 Mar 13;918(1):67–75
Effects of adriamycin on respiratory chain activities in mitochondria from rat liver, rat heart and bovine heart. Evidence for a preferential inhibition of complex III and IV. Nicolay K, et al. **Biochim Biophys Acta** 1987 Jul 22; 892(3):320–30
Substituent effects during the rat liver aldehyde dehydrogenase catalyzed oxidation of aromatic aldehydes. Rietveld EC, et al. **Biochim Biophys Acta** 1987 Aug 5; 914(2):162–9
Bovine cytochrome c oxidases, purified from heart, skeletal muscle, liver and kidney, differ in the small subunits but show the same reaction kinetics with cytochrome c. Sinjorgo KM, et al. **Biochim Biophys Acta** 1987 Sep 10; 893(2):251–8
Lactate dehydrogenase activity in the mitochondrial fraction of chicken liver: enzyme binding and kinetic behavior of soluble and bound enzyme. Sagrista ML, et al. **Biochimie** 1987 Mar;69(3):205–14
Mitochondrial glutathione transferases. The alkylation of mitochondrial membrane yields a catalyst with glutathione-transferase-like properties. Kraus P, et al. **Biol Chem Hoppe Seyler** 1986 Sep;367(9):937–41
Separation of the molecular forms of chicken liver cytosolic aldehyde reductase and comparison with mitochondrial aldehyde reductase. Kohno T, et al. **Chem Pharm Bull (Tokyo)** 1986 Dec;34(12):5034–9
Quantitative analysis of the mitochondrial cytochrome P-450-linked monooxygenase system: NADPH-hepatoredoxin reductase, hepatoredoxin, and cytochrome P-450s27 in livers of patients with cerebrotendinous xanthomatosis. Miki H, et al. **Clin Chim Acta** 1986 Nov 15;160(3):255–63
Trout (Salmo gairdneri R.) liver 5-aminolevulinate synthetase: subcellular distribution and properties. Fernández J, et al. **Comp Biochem Physiol [B]** 1987; 86(2):245–9
Glutamine synthetase in liver of the American alligator, Alligator mississippiensis. Smith DD Jr, et al. **Comp Biochem Physiol [B]** 1987;86(4):755–62
Phospholipid dependency of carp brain and liver mitochondrial monoamine oxidase. Suh YH, et al. **Comp Biochem Physiol [C]** 1986;85(2):401–7
cDNA-derived amino acid sequence of rat mitochondrial 3-oxoacyl-CoA thiolase with no transient presequence: structural relationship with peroxisomal isozyme. Arakawa H, et al. **EMBO J** 1987 May;6(5):1361–6
Identity of rat liver mitochondrial asparagine-pyruvate transaminase with phenylalanine-pyruvate transaminase. Hongo S, et al. **Enzyme** 1986;36(4):232–8
Influence of buffer composition, membrane lipids and proteases on the kinetics of reconstituted cytochrome-c oxidase from bovine liver and heart. Büge U, et al. **Eur J Biochem** 1986 Dec 1;161(2):383–90
Monoclonal antibodies against an intracellular phospholipase A2 from rat liver and their cross-reactivity with other phospholipases A2. de Jong JG, et al. **Eur J Biochem** 1987 Apr 1;164(1):129–35
Temporal relationships in the effects of protein-free diet on the activities of rat liver branched-chain ketoacid dehydrogenase complex and kinase. Beggs M, et al. **FEBS Lett** 1987 May 4;215(1):13–5
Regulation of ATP hydrolase activity of the F0-F1 complex of rat-liver mitochondria during early hepatic regeneration. Buckle M. **FEBS Lett** 1986 Dec 15;209(2):197–202
The effect of the natural protein inhibitor on H+-ATPase hepatoma 22a mitochondria. Chernyak BV, et al. **FEBS Lett** 1987 May 11;215(2):300–4
Immunoelectron microscopical localization of ornithine transcarbamylase in hepatic parenchymal cells of the rat. Yokota S, et al. **Histochem J** 1986 Aug;18(8):451–7
The role of the available sulphydryl group in liver butyryl-coenzyme A synthetase. Campbell CJ, et al. **Int J Biochem** 1987;19(6):539–44
Regulation of oxidative decarboxylation of branched-chain 2-oxo acids in rat liver mitochondria. Cieśla J, et al. **Int J Biochem** 1986;18(11):1015–21
Intramitochondrial location and some characteristics of chicken liver aspartate aminotransferase. Gil M, et al. **Int J Biochem** 1987;19(4):355–63
Further characterization of a muscle factor which activates hepatic branched-chain ketoacid dehydrogenase. Petroski CJ, et al. **Int J Biochem** 1986;18(11):979–83
Reversible association of ox liver glutamate dehydrogenase with the inner mitochondrial membrane. Pour-Rahimi F, et al. **Int J Biochem** 1987;19(1):53–61
Modulation of branched-chain 2-oxoacid dehydrogenase activity by adenine nucleotides in isolated rat liver mitochondria. Hauschildt S. **J Biochem (Tokyo)** 1986 Nov; 100(5):1149–54
Modulation by phospholipids of the activity of monoamine oxidase purified from pig liver. Inagaki T, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):597–603
Inactivation of 2-oxoglutarate dehydrogenase in rat liver mitochondria by its substrate and t-butyl hydroperoxide. Rokutan K, et al. **J Biochem (Tokyo)** 1987 Feb; 101(2):415–22
Channeling of extramitochondrial ornithine to matrix ornithine transcarbamylase. Cohen NS, et al. **J Biol Chem** 1987 Jan 5;262(1):203–8
Characterization of the mitochondrial carnitine palmitoyltransferase enzyme system. I. Use of inhibitors. Declercq PE, et al. **J Biol Chem** 1987 Jul 15; 262(20):9812–21
Isolation and characterization of two types of cDNA for mitochondrial adenylate kinase and their expression in Escherichia coli. Kishi F, et al. **J Biol Chem** 1987 Aug 25;262(24):11785–9
Separation and characterization of 5'- and 3'-tRNA processing nucleases from rat liver mitochondria. Manam S, et al. **J Biol Chem** 1987 Jul 25;262(21):10272–9
The effect of Ca2+ and acyl coenzyme A:lysophospholipid acyltransferase inhibitors on permeability properties of the liver mitochondrial inner membrane. Riley WW Jr, et al. **J Biol Chem** 1986 Oct 25;261(30):14018–24
Characterization of the mitochondrial carnitine palmitoyltransferase enzyme system. II. Use of detergents and antibodies. Woeltje KF, et al. **J Biol Chem** 1987 Jul 15;262(20):9822–7
beta-2-Aminobicyclo-(2.2.1)-heptane-2-carboxylic acid. A new activator of glutaminase in intact rat liver mitochondria. Zaleski J, et al. **J Biol Chem** 1986 Oct 25; 261(30):14091–4
Congenital deficiency of two polypeptide subunits of the iron-protein fragment of mitochondrial complex I. Moreadith RW, et al. **J Clin Invest** 1987 Feb;79(2):463–7
The inhibition of monoamine oxidase by tricyclic antidepressants: the influence of the nature of the substrate and the source of the enzyme. Green AL, et al. **J Pharm Pharmacol** 1987 May;39(5):392–4
Transmigration of mitochondrial GOT in cholestatic liver injury. Aoki Y, et al. **J Toxicol Sci** 1986 Aug;11(3):145–54
Kinetic alterations of cytochrome c oxidase in carbon tetrachloride induced cirrhotic rat liver. Tanaka A, et al. **Life Sci** 1987 Aug 10;41(6):741–8
Activities of liver mitochondrial and peroxisomal fatty acid oxidation enzymes in rats fed trans fat. Ide T, et al. **Lipids** 1987 Jan;22(1):6–10
A phospholipase C with a high specificity for platelet-activating factor in rabbit liver light mitochondria. Nishihira J, et al. **Lipids** 1986 Dec;21(12):780–5
Influence of repeated exposure to elevated environmental temperature on the activity of respiratory enzymes of rat liver mitochondria. Skonieczna M, et al. **Med Pr** 1986; 37(4):227–35
Monoamine oxidase A and B from human liver and brain. Abell CW. **Methods Enzymol** 1987;142:638–50
Preparation of the flavin-containing aromatic amine oxidases of human placenta and beef liver. Salach JI, et al. **Methods Enzymol** 1987;142:627–37
Isolation and sequence analysis of a full length cDNA clone

coding for human mitochondrial aldehyde dehydrogenase. **Braun T, et al. Nucleic Acids Res** 1987 Apr 10;15(7):3179

7-ethoxycoumarin O-deethylation in perfused livers from ethanol-fed rats: evidence for an important role of mitochondrial reducing equivalents. **Reinke LA, et al. Pharmacology** 1987;34(2-3):167-75

Photo-oxidation effects on beta-hydroxybutyrate dehydrogenase: studies of membrane fragments and intact mitochondria. **Robinson RS, et al. Photochem Photobiol** 1987 Feb;45(2):231-4

Aldehyde dehydrogenase: a multi-functional enzyme. **Tu GC, et al. Prog Clin Biol Res** 1987;232:67-75

Isolation and characterization of a NADH-dehydrogenase from rat liver mitochondria. **Cerdán ME, et al. Rev Esp Fisiol** 1987 Mar;43(1):13-7

25-Hydroxylase activity in subcellular fractions from human liver. Evidence for different rates of mitochondrial hydroxylation of vitamin D2 and D3. **Holmberg I, et al. Scand J Clin Lab Invest** 1986 Dec;46(8):785-90

[Studies on the mechanism of carcinogenesis. VIII. Purification of ornithine carbamyl transferase in the rat liver and immunochemical titration of the enzyme during carcinogenesis] **Li S, et al. Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Aug; 8(4):297-300 (Eng. Abstr.) **(Chi)**

[Biochemical study of Chinese rhubarb. XIX. Localization of inhibition of anthraquinone derivatives on the mitochondrial respiratory chain] **Chen CL, et al. Yao Hsueh Hsueh Pao** 1987 Jan;22(1):12-8 (Eng. Abstr.) **(Chi)**

[The status of monoaminoxidase in myocardial, diaphragm and liver mitochondria in swine breeds of different constitutions] **Quanz G, et al. DTW** 1987 Jul-Aug; 94(7):403-6 (Eng. Abstr.) **(Ger)**

[Effect of cold storage and freezing of bovine and porcine liver on activity and subcellular distribution of mitochondrial enzymes] **Gottesmann P, et al. Z Lebensm Unters Forsch** 1987 Apr;184(4):294-9 (Eng. Abstr.) **(Ger)**

[D-beta-hydroxybutyric dehydrogenases from rat liver. Regulation by thyroid hormones] **Lippolis R, et al. Boll Soc Ital Biol Sper** 1986 May 30;62(5):577-84 (Eng. Abstr.) **(Ita)**

[Comparative study of the C27-steroid-hydroxylating system from bovine liver mitochondria] **Gilevich SN, et al. Biokhimiia** 1987 Feb;52(2):198-213 (Eng. Abstr.) **(Rus)**

[Effect of changes in the membrane lipid composition on the activity of respiratory chain enzymes in rat liver mitochondria] **Ishankhodzhaev TM, et al. Biokhimiia** 1987 Feb;52(2):220-4 (Eng. Abstr.) **(Rus)**

[Role of mitochondrial peroxidation of lipids in their hydrolysis by endogenous phospholipase A2] **Marzoev A, et al. Biull Eksp Biol Med** 1987 Jul;104(7):35-8 (Eng. Abstr.) **(Rus)**

[Detection of phospholipase D in rat liver mitochondria] **Almatov KT, et al. Ukr Biokhim Zh** 1987 Jul-Aug; 59(4):87-90 (Eng. Abstr.) **(Rus)**

[Thiamine phosphates and regulation of the pyruvate dehydrogenase complex activity in rat liver mitochondria] **Parkhomenko IuM, et al. Ukr Biokhim Zh** 1986 Nov-Dec; 58(6):35-41 (Eng. Abstr.) **(Rus)**

[Stimulation of mitochondrial oxidative enzymes in acute cooling and its catecholamine mechanisms] **Kulinskiĭ VI, et al. Vopr Med Khim** 1986 Sep-Oct;32(5):84-8 (Eng. Abstr.) **(Rus)**

[Modification of the mitochondrial membrane from the rat liver by synthetic phospholipids] **Tat'ianenko LV, et al. Vopr Med Khim** 1986 Nov-Dec;32(6):86-9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

A follow-up study of 68 patients with anti-mitochondrial antibodies (AMA). **Jorde R, et al. Acta Med Scand** 1986; 220(3):241-7

Primary biliary cirrhosis: assessment of the quantitative importance of the adenine nucleotide translocator protein as a major mitochondrial antigen. **Mendel-Hartvig I, et al. Clin Exp Immunol** 1986 Nov;66(2):399-405

Anti-mitochondrial type M5 and anti-cardiolipin antibodies in autoimmune disorders: studies on their association and cross-reactivity. **Meroni PL, et al. Clin Exp Immunol** 1987 Mar;67(3):484-91

Characterization of primary biliary cirrhosis (PBC) specific mitochondrial determinants by immunoblotting. **Manns M, et al. Dtsch Z Verdau Stoffwechselkr** 1987;47(2):59-66

Evidence for the cell-surface localization of antigens cross-reacting with the "mitochondrial antibodies" of primary biliary cirrhosis. **Ghadiminejad I, et al. Hepatology** 1987 Jul-Aug;7(4):743-9

Subtypes of antimitochondrial antibodies in primary biliary cirrhosis before and after orthotopic liver transplantation. **Haagsma EB, et al. Hepatology** 1987 Jan-Feb;7(1):129-33

Reactivities and clinical relevance of antimitochondrial antibodies to four mitochondrial inner membrane proteins in sera of patients with primary biliary cirrhosis. **Ishii H, et al. Hepatology** 1987 Jan-Feb;7(1):134-6

Positive antimitochondrial antibody but normal alkaline phosphatase: is this primary biliary cirrhosis? **Mitchison HC, et al. Hepatology** 1986 Nov-Dec;6(6):1279-84

Kveim test and mitochondrial antibodies in the differential diagnosis between primary biliary cirrhosis and sarcoidosis. **Eklund A, et al. Sarcoidosis** 1985 Mar;2(1):38-41

METABOLISM

Non-respiring rat liver mitochondria do not have a Ca2+/2H+ antiporter. **Saris NE. Acta Chem Scand [B]** 1987 Feb;41(2):79-82

The influence of starvation on some characteristics of the Ca2+ transport system and lipid content in rat liver mitochondria. **Radeva-Domuschieva D, et al. Acta Physiol Pharmacol Bulg** 1986;12(2):49-54

Magnesium and octylguanidinium inhibition of monovalent cation translocation in mitochondria. **Beaty G, et al. Acta Physiol Pharmacol Latinoam** 1986;36(3):217-32

Influence of increased environmental temperature on oxidation processes in rat liver mitochondria. **Skonieczna M, et al. Acta Physiol Pol** 1986 Jul-Aug;37(4-5):157-67

Tissue distribution and covalent binding of [14C]1,1-dichloroethylene in mice: in vivo and in vitro studies. **Okine LK, et al. Adv Exp Med Biol** 1986; 197:903-10

Carrier mediated uptake of deoxyguanosine in rat liver mitochondria. **Watkins L, et al. Adv Exp Med Biol** 1986; 195 Pt B:85-8

The effect of chronic ethanol consumption on the lipids in liver mitochondria. **Cunningham CC, et al. Ann NY Acad Sci** 1987;492:181-92

Partition of ethanol and other amphiphilic compounds modulated by chronic alcoholism. **Rottenberg H. Ann NY Acad Sci** 1987;492:112-24

Effects of ethanol on proteins of mitochondrial membranes. **Thayer WS. Ann NY Acad Sci** 1987;492:193-206

Metabolite transport in mitochondria as a function of osmolarity. **Chávez E, et al. Arch Biochem Biophys** 1987 Feb 15;253(1):94-9

Ca2+ ions, an allosteric activator of calcium uptake in rat liver mitochondria. **Kröner H. Arch Biochem Biophys** 1986 Dec;251(2):525-35

The participation of NADP, the transmembrane potential and the energy-linked NAD(P) transhydrogenase in the process of Ca2+ efflux from rat liver mitochondria. **Vercesi AE. Arch Biochem Biophys** 1987 Jan;252(1):171-8

The metabolism of deoxyguanosine in mitochondria: relationship of the uptake of deoxyguanosine to the electron transport chain and adenosine triphosphate. **Watkins LF, et al. Arch Biochem Biophys** 1987 Mar;253(2):315-21

Hepatic microsomal adenosine triphosphatase and mitochondrial function. Response to cold and warm ischemia. **Townsend MC, et al. Arch Surg** 1987 Jul; 122(7):813-6

Mitochondrial function after acute alteration of the endogenous insulin-to-glucagon ratio. **Aprille JR, et al. Biochem Biophys Res Commun** 1987 Jan 30;142(2):315-21

Isolated tumoral pyruvate dehydrogenase can synthesize acetoin which inhibits pyruvate oxidation as well as other aldehydes. **Baggetto LG, et al. Biochem Biophys Res Commun** 1987 May 29;145(1):153-9

Uptake of thiamin by isolated rat liver mitochondria. **Barile M, et al. Biochem Biophys Res Commun** 1986 Dec 15; 141(2):466-73

Uncoupling of mitochondrial oxidative phosphorylation by hexetidine. **D'Arcangelo G, et al. Biochem Biophys Res Commun** 1987 Sep 15;147(2):801-8

Apocytochrome-c competes with pre-ornithine carbamoyl transferase for transport into mitochondria. **González-Bosch C, et al. Biochem Biophys Res Commun** 1987 Aug 14;146(3):1318-23

Hydroperoxide-induced radical production in liver mitochondria. **Kennedy CH, et al. Biochem Biophys Res Commun** 1986 Dec 30;141(3):1123-9

Anti-lipoperoxidation action of food restriction. **Laganiere S, et al. Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1185-91

An ATP/2e-stoichiometry of 1 1/2 is thermodynamically possible for site 3 of oxidative phosphorylation. **Lemasters JJ, et al. Biochem Biophys Res Commun** 1987 Jan 15; 142(1):176-82

Mobilization of mitochondrial Ca2+ by hydroperoxy-eicosatetraenoic acid. **Richter C, et al. Biochem Biophys Res Commun** 1987 Mar 13;143(2):609-16

Immunochemical study of role of chargerin II, a product of URFA6L of mitochondrial DNA in energy transduction of rat liver mitochondria. **Uchida J, et al. Biochem Biophys Res Commun** 1987 Aug 14;146(3):953-8

Identification of calmodulin-binding proteins in pure mitochondria by photoaffinity labeling. **Itano T, et al. Biochem Int** 1986 Nov;13(5):787-92

Study of some factors controlling fatty acid oxidation in liver mitochondria of obese Zucker rats. **Clouet P, et al. Biochem J** 1986 Oct 1;239(1):103-8

The rapid alteration by tri-iodo-L-thyronine in vivo of both the ADP/O ratio and the apparent H+/O ratio in hypothyroid-rat liver mitochondria. **Crespo-Armas A, et al. Biochem J** 1987 Feb 1;241(3):657-61

Purification and characterization of the phosphate/hydroxyl ion antiport protein from rat liver mitochondria. **Gibb GM, et al. Biochem J** 1986 Sep 1;238(2):543-51

Regulation of the mitochondrial matrix volume in vivo and in vitro. The role of calcium. **Halestrap AP, et al. Biochem J** 1986 Jun 15;236(3):779-87

Intramitochondrial regulation of fatty acid beta-oxidation occurs between flavoprotein and ubiquinone. A role for changes in the matrix volume. **Halestrap AP, et al. Biochem J** 1986 Nov 1;239(3):559-65

The entrapment of the Ca2+ indicator arsenazo III in the matrix space of rat liver mitochondria by permeabilization and resealing. Na+-dependent and -independent effluxes of Ca2+ in arsenazo III-loaded mitochondria. **Al-Nasser I, et al. Biochem J** 1986 Oct 1;239(1):31-40

Influence of genetic predisposition to diabetes and obesity on mitochondrial function. **Rogers KS, et al. Biochem Med Metab Biol** 1986 Feb;35(1):72-6

The role of mitochondrial calcium transport during inflammation and the effect of anti-inflammatory drugs. **Somasundaram S, et al. Biochem Med Metab Biol** 1986 Oct;36(2):220-30

Different effects of oxytetracycline and doxycycline on mitochondrial protein synthesis in rat liver after long-term treatment. **van den Bogert C, et al. Biochem Pharmacol** 1987 May 1;36(9):1555-9

Membrane channel forming polypeptides. Molecular conformation and mitochondrial uncoupling activity of antiamoebin, an alpha-aminoisobutyric acid containing peptide. **Das MK, et al. Biochemistry** 1986 Nov 4; 25(22):7110-7

Menadione- (2-methyl-1,4-naphthoquinone-) dependent enzymatic redox cycling and calcium release by mitochondria. **Frei B, et al. Biochemistry** 1986 Jul 29; 25(15):4438-43

Effects of adrenergic agonists and mitochondrial energy state on the Ca2+ transport systems of mitochondria. **Goldstone TP, et al. Biochemistry** 1987 Jan 13;26(1):246-54

Kinetic control of mitochondrial ATP synthesis. **LaNoue KF, et al. Biochemistry** 1986 Nov 18;25(23):7667-75

Mitochondrial and peroxisomal oxidation of arachidonic and eicosapentaenoic acid studied in isolated liver cells. **Christensen E, et al. Biochim Biophys Acta** 1986 Dec 5; 879(3):313-21

The effects of calcitonin on calcium uptake and respiration in rat-liver mitochondria. **de la Cruz MJ, et al. Biochim Biophys Acta** 1986 Dec 3;852(2-3):169-74

Inhibition of oxidative phosphorylation by Ca2+ or Sr2+: a competition with Mg2+ for the formation of adenine nucleotide complexes. **Fagian MM, et al. Biochim Biophys Acta** 1986 Dec 3;852(2-3):262-8

Demonstration of a NADPH-linked delta 1-pyrroline-5-carboxylate-proline shuttle in a cell-free rat liver system. **Hagedorn CH. Biochim Biophys Acta** 1986 Oct 29;884(1):11-7

Glucagon treatment of rats activates the respiratory chain of liver mitochondria at more than one site. **Halestrap AP. Biochim Biophys Acta** 1987 Feb 18;927(2):280-90

Induction of calcium efflux from isolated rat-liver mitochondria by 1,2-dibromoethane. **Masini A, et al. Biochim Biophys Acta** 1986 Nov 5;852(1):19-24

The effect of a ferric iron complex on isolated rat-liver mitochondria. III. Mechanistic aspects of iron-induced calcium efflux. **Masini A, et al. Biochim Biophys Acta** 1987 Apr 15;891(2):150-6

Nonspecific lipid transfer protein (sterol carrier protein 2) is bound to rat liver mitochondria: its role in spontaneous intermembrane phospholipid transfer. **Megli FM, et al. Biochim Biophys Acta** 1986 Oct 23;861(3):463-70

Quantitative relationship between protonophoric and uncoupling activities of analogs of SF6847 (2,6-di-t-butyl-4-(2',2'-dicyanovinyl)phenol). **Miyoshi H, et al. Biochim Biophys Acta** 1987 May 6;891(3):293-9

Quantitative relationship between protonophoric and uncoupling activities of substituted phenols. **Miyoshi H, et al. Biochim Biophys Acta** 1987 Apr 15;891(2):194-204

Peroxidative injury of the mitochondrial respiratory chain during reperfusion of hypothermic rat liver. **Nishida T, et al. Biochim Biophys Acta** 1987 Jan 16;890(1):82-8

Conserved structural domains among species and tissues-specific differences in the mitochondrial phosphate-transport protein and the ADP/ATP carrier. **Rasmussen UB, et al. Biochim Biophys Acta** 1986 Dec 3; 852(2-3):306-14

Possible involvement of the 29 kDa protein in H+-ATPase in the action of cationic uncoupler of oxidative phosphorylation. Effect of the (o-phenanthroline)2-Cu2+ complex as a cationic uncoupler. **Shinohara Y, et al. Biochim Biophys Acta** 1987 Mar 4;890(3):387-91

Calcium ionophoretic activity of chemically synthesized oligomeric derivatives of prostaglandin B1. **Uribe S, et al. Biochim Biophys Acta** 1987 Apr 16;924(1):87-98

The metabolism of deoxyguanosine in mitochondria: a characterization of the phosphorylation process which occurs in intact mitochondria. **Watkins LF, et al. Biochim Biophys Acta** 1987 Jan 20;923(1):103-8

On the state of calcium ions in isolated rat liver mitochondria. V. Development of a rapidly dischargeable pool of mitochondrial calcium during calcium-induced transition. **Krell H, et al. Biol Chem Hoppe Seyler** 1986 Nov; 367(11):1153-8

Direct measurement of the initial proton extrusion to oxygen uptake ratio accompanying succinate oxidation by rat liver mitochondria. **Setty OH, et al. Biophys J** 1986 Sep; 50(3):391-404

The matrix water space of mitochondria in situ in isolated hepatocytes. **Lund P, et al. Biosci Rep** 1987 Jan;7(1):59-66

Effect of chlorpromazine on the synthesis, hydrolysis, and transfer of microsomal cytidine liponucleotides and mitochondrial polyglycerophosphatides. **Stuhne-Sekalec L, et al. Can J Physiol Pharmacol** 1987 Mar;65(3):377-84

Ca2+ transport in isolated mouse liver mitochondria; role of reductive carboxylation and citrate? **Boquist L, et al.**

Cell Calcium 1986 Aug;7(4):275–82
Metabolism of salicylate by isolated kidney and liver mitochondria. Kyle ME, et al. **Chem Biol Interact** 1986 Oct 1;59(3):325–35
The in vitro effects of tannic acid on rat liver mitochondrial respiration and oxidative phosphorylation. Adachi H, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar;35(3):1176–82
Triiodothyronine rapidly stimulates mitochondrial respiration in isolated hepatocytes. Higuti T, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4331–4
Energization of mitochondrial inner membranes by L-malate under anaerobic condition is driven by energy derived at side I of phosphorylation. Tsuda M, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4327–30
Effects of urea, trimethylamine oxide, and osmolality on respiration and citrulline synthesis by isolated hepatic mitochondria from Squalus acanthias. Anderson PM. **Comp Biochem Physiol [B]** 1986;85(4):783–8
Support of respiration and citrulline synthesis by isolated hepatic mitochondria from Squalus acanthias by acyl-CoAs and other nitrogen-donating substrates. Anderson PM. **Comp Biochem Physiol [B]** 1986;85(4):789–94
Comparative studies on mitochondrial respiration in four strains of rats (Rattus norvegicus). Berdanier CD, et al. **Comp Biochem Physiol [B]** 1986;85(3):531–5
Influence of different dietary concentrations of linoleic acid on the essential fatty acid (EFA) status and functional characteristics of porcine hepatic and cardiac mitochondria. Christensen K. **Comp Biochem Physiol [B]** 1986;85(2):419–25
The oxidation of proline by mitochondrial preparations. McKnight JA, et al. **Comp Biochem Physiol [B]** 1986; 85(2):289–94
The pathway of glutamate oxidation in isolated mitochondria from the avian hepatomatous growth induced by MC-29 virus [published erratum appears in J Cell Physiol 1987 Jan;130(1):171] Matsuno T, et al. **Comp Biochem Physiol [B]** 1986;85(2):393–6
Cellular metabolism in sepsis: effects of nutritional therapy. Geller ER, et al. **Curr Surg** 1986 Sep–Oct;43(5):406–9
Effects of long-chain fatty acids on the inhibition by antimycin of respiration in hepatocytes and isolated mitochondria from rat liver. Gregory RB, et al. **Eur J Biochem** 1986 Nov 3;160(3):645–9
Regulation of fatty acid oxidation in isolated hepatocytes and liver mitochondria from newborn rabbits. Herbin C, et al. **Eur J Biochem** 1987 May 15;165(1):201–7
Effect of deletions within the leader peptide of pre-ornithine transcarbamylase on mitochondrial import. Lingelbach KR, et al. **Eur J Biochem** 1986 Nov 17;161(1):19–23
Effect of Ca2+, peroxides, SH reagents, phosphate and aging on the permeability of mitochondrial membranes. Rizzuto R, et al. **Eur J Biochem** 1987 Jan 15;162(2):239–49
Altered K+ movement in liver mitochondria from alloxan diabetic rats. Garrick RA. **Experientia** 1986 Sep 15; 42(9):1020–1
Synthesis and turnover rates of four rat liver mitochondrial RNA species. Cantatore P, et al. **FEBS Lett** 1987 Mar 9; 213(1):144–8
Regulation of mitochondrial proteolysis. Selective degradation of inner membrane polypeptides. Duque-Magalhães MC, et al. **FEBS Lett** 1987 Jan 5; 210(2):142–6
Precursors of mitochondrial proteins are degraded in the cytosol at different rates. Felipo V, et al. **FEBS Lett** 1986 Dec 15;209(2):227–30
Synthesis of actin-like protein in rat liver mitochondria. Stozharov AN. **Gen Physiol Biophys** 1986 Jun;5(3):285–95
Effect of carbonyl cyanide m-chlorophenylhydrazone on oxidative phosphorylation in rat liver mitochondria: site-specificity of its action. Katyare SS. **Indian J Biochem Biophys** 1986 Apr;23(2):70–5
A comparative study of the effects of administration of diethylhexyl phthalate on hepatic mitochondria of the rat and the mouse. Nair N, et al. **Indian J Biochem Biophys** 1986 Oct;23(5):270–3
Are the hypocholesterolaemic action and metabolic effects of diethylhexyl phthalate mediated by thyroxine? Nair N, et al. **Indian J Biochem Biophys** 1986 Apr;23(2):76–9
Endogenous protein inhibitor of mitochondrial c-AMP phosphodiesterase in tumour bearing rats. Sankaran K. **Indian J Biochem Biophys** 1986 Apr;23(2):66–9
Different effects of 2,4-dinitrophenol on rat liver mitochondrial oxidation of various substrates: succinate and glutamate vs 3-hydroxybutyrate and glycerol 3-phosphate. Kaminsky YG, et al. **Int J Biochem** 1987;19(1):97–9
Stimulation of mitochondrial functions by glucagon treatment, starvation and by treatment of isolated mitochondria with glycogen-bound enzymes. Wojtczak AB, et al. **Int J Biochem** 1987;19(5):479–82
Oxidative phosphorylation of liver mitochondria from mice acclimatized to hypobaric hypoxia. Leon-Velarde F, et al. **Int J Biometeorol** 1986 Sep;30(3):283–9
The inhibitory effect of succinate on radiation-enhanced mitochondrial lipid peroxidation. Ronai E, et al. **Int J Radiat Biol** 1987 Apr;51(4):611–7
Semi-synthesis of A23187 (calcimycin) analogs. IV. Cation carrier properties in mitochondria of analogs with modified benzoxazole rings. Antimicrobial activity. Prudhomme M, et al. **J Antibiot (Tokyo)** 1986 Jul;39(7):934–7
Pyronin G as a fluorescent probe for quantitative determination of the membrane potential of mitochondria. Tomov TC. **J Biochem Biophys Methods** 1986 Aug; 13(1):29–38
Effect of succinate on mitochondrial lipid peroxidation. 1. Comparative studies on ferrous ion and ADP . Fe/NADPH-induced peroxidation. Szabados G, et al. **J Bioenerg Biomembr** 1987 Feb;19(1):21–30
Effect of succinate on mitochondrial lipid peroxidation. 2. The protective effect of succinate against functional and structural changes induced by lipid peroxidation. Tretter L, et al. **J Bioenerg Biomembr** 1987 Feb;19(1):31–44
Upper and lower limits of the charge translocation stoichiometry of mitochondrial electron transport. Beavis AD. **J Biol Chem** 1987 May 5;262(13):6165–73
The role of arginine residues in the rat mitochondrial malate dehydrogenase transit peptide. Chu TW, et al. **J Biol Chem** 1987 Sep 15;262(26):12806–11
Control of mitochondrial content of adenine nucleotides by submicromolar calcium concentrations and its relationship to hormonal effects. Haynes RC Jr, et al. **J Biol Chem** 1986 Dec 5;261(34):16121–5
Isolation of a rat mitochondrial release factor. Accommodation of the changed genetic code for termination. Lee CC, et al. **J Biol Chem** 1987 Mar 15; 262(8):3548–52
Quantitation of the efflux of acylcarnitines from rat heart, brain, and liver mitochondria. Lysiak W, et al. **J Biol Chem** 1986 Oct 15;261(29):13698–703
Rate-limiting steps for hepatic gluconeogenesis. Mechanism of oxamate inhibition of mitochondrial pyruvate metabolism. Martin-Requero A, et al. **J Biol Chem** 1986 Oct 25;261(30):13973–8
Kinetics of mitochondrial calcium transport. I. Characteristics of the sodium-independent calcium efflux mechanism of liver mitochondria. Wingrove DE, et al. **J Biol Chem** 1986 Nov 15;261(32):15159–65
Kinetics of mitochondrial calcium transport. II. A kinetic description of the sodium-dependent calcium efflux mechanism of liver mitochondria and inhibition by ruthenium red and by tetraphenylphosphonium. Wingrove DE, et al. **J Biol Chem** 1986 Nov 15;261(32):15166–71
Osmotic effects on amino acid oxidation in skate liver mitochondria. Moyes CD, et al. **J Exp Biol** 1986 Sep; 125:181–95
Solute effects on mitochondria from an elasmobranch (Raja erinacea) and a teleost (Pseudopleuronectes americanus). Ballantyne JS, et al. **J Exp Zool** 1986 Sep;239(3):319–28
Monoclonal antibodies used in immunocytochemical localization by electron microscopy of carbamoyl phosphate synthetase I in liver from rats fed high-protein diets. Martinez-Ramon A, et al. **J Histochem Cytochem** 1987 Aug;35(8):897–907
High levels of dietary fat: alteration of hepatic promutagen activation in the rat. Alldrick AJ, et al. **JNCI** 1987 Aug; 79(2):269–72
Effects of exercise and ethanol on liver mitochondrial function. Ardies CM, et al. **Life Sci** 1987 Mar 16; 40(11):1053–61
Growth hormone and liver mitochondria: effects on phospholipid composition and fatty acyl distribution. Clejan S, et al. **Lipids** 1986 Nov;21(11):677–83
Selenite-induced NAD(P)H oxidation and calcium release in isolated mitochondria: relationship to in vivo toxicity. Vlessis AA, et al. **Mol Pharmacol** 1987 Jun;31(6):643–6
Effect of some Mannich bases derived from aryl-alpha, beta-unsaturated ketones on respiration in mouse liver mitochondria. Dimmock JR, et al. **Pharmazie** 1986 Jun; 41(6):441–2
A rat liver cell-free system for the synthesis of proteins and their transport into mitochondria. Felipo V. **Physiol Chem Phys Med NMR** 1986;18(1):25–32
Malonyl-CoA binding site and the overt carnitine palmitoyltransferase activity reside on the opposite sides of the outer mitochondrial membrane. Murthy MS, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):378–82
Effect of humic substances on mitochondrial respiration and oxidative phosphorylation. Visser SA. **Sci Total Environ** 1987 Apr;62:347–54
Peritoneal fluid in human acute pancreatitis blocks hepatic mitochondrial respiration. Coticchia JM, et al. **Surgery** 1986 Nov;100(5):850–6
Protective effect of prostaglandin I2 on hepatic mitochondrial function of the preserved rat liver. Okabe K, et al. **Tohoku J Exp Med** 1986 Dec;150(4):373–9
Menadione (2-methyl-1,4-naphthoquinone)-induced Ca2+ release from rat-liver mitochondria is caused by NAD(P)H oxidation. Moore GA, et al. **Xenobiotica** 1986 Sep; 16(9):873–82
[Effects of glucagon and epinephrine on the rat liver: oxidative phosphorylation and ultrastructure] Breton L, et al. **C R Soc Biol (Paris)** 1986;180(6):613–21 (Eng. Abstr.) **(Fre)**
[Heme transport from mitochondria to apocytochrome b5 incorporated into phospholipid vesicles by cytosolic liver protein] Suzuki H. **Hokkaido Igaku Zasshi** 1986 Sep; 61(5):800–6 (Eng. Abstr.) **(Jpn)**
[The biochemistry of toxic effects] Jacyszyn K. **Folia Med Cracov** 1987;28(1–2):47–60 (Eng. Abstr.) **(Pol)**
[Biochemical aspects of alcoholism. III. The effect of acetaldehyde on cellular metabolism] Szukalski B, et al. **Postepy Hig Med Dosw** 1986 Mar–Apr;40(2):191–219 (87 ref.) (Eng. Abstr.) **(Pol)**
[Effect of oxaloacetic acid on hydrogen-calcium metabolism in mitochondria] Asrarov MI, et al. **Biofizika** 1987 May–Jun;32(3):454–7 (Eng. Abstr.) **(Rus)**
[Effect of rubomycin, carminomycin and adriamycin on respiration in liver mitochondria in various metabolic states, respiratory control and ADP/O ratio] Gorskaia IA, et al. **Biokhimiia** 1987 Jan;52(1):53–7 (Eng. Abstr.) **(Rus)**
[Stimulation by quinones of cyanide-resistant respiration in rat liver and heart mitochondria] Kolesova GM, et al. **Biokhimiia** 1987 May;52(5):715–9 (Eng. Abstr.) **(Rus)**
[Incorporation of labeled formate in rat liver mitochondrial proteins and initiation of protein synthesis] Rabinovich IaM, et al. **Biokhimiia** 1986 Aug;51(8):1322–8 (Eng. Abstr.) **(Rus)**
[Effect of corticosteroids on the fluorescence of aniline naphthalenesulfonate in mitochondria after changes in temperature] Vol'skiĭ GG, et al. **Biol Nauki** 1987;(1):30–4 (Eng. Abstr.) **(Rus)**
[What determines the rate of ATP hydrolysis in mitochondria?] Cherniak BV, et al. **Dokl Akad Nauk SSSR** 1987;294(2):497–9 **(Rus)**
[Extramitochondrial Ca2+ controls the activity of the Ca2+-transporting system in mitochondria] Lelkin IuN, et al. **Dokl Akad Nauk SSSR** 1986;290(4):1011–4 **(Rus)**
[Interaction of 2-alkylmalonates with dicarboxylate carrier in intact mitochondria] Sholts KF, et al. **Dokl Akad Nauk SSSR** 1987;294(6):1509–12 **(Rus)**
[Nature of steroid hormone binding to mitochondria] Leshchenko MV, et al. **Farmakol Toksikol** 1987 May–Jun; 50(3):60–3 (Eng. Abstr.) **(Rus)**
[Mechanism of disorders of liver mitochondria functions in irreversible hemorrhagic shock] Tremasova GIa, et al. **Patol Fiziol Eksp Ter** 1987 Mar–Apr;(2):21–5 (Eng. Abstr.) **(Rus)**
[Changes in the stimulation of mitochondrial respiration by adrenaline depending upon the dose] Kondrashova MN, et al. **Ukr Biokhim Zh** 1986 Sep–Oct;58(5):49–54 (Eng. Abstr.) **(Rus)**
[Stimulation of mitoplast respiration by mitochondrial porin] Pronevich LA, et al. **Ukr Biokhim Zh** 1987 Jul–Aug; 59(4):82–4 (Eng. Abstr.) **(Rus)**
[Effect of the outer mitochondrial membrane fraction on mitoplast respiration] Pronevich LA, et al. **Ukr Biokhim Zh** 1986 Nov–Dec;58(6):47–50 (Eng. Abstr.) **(Rus)**
[Acetylcholine activation of alpha-ketoglutarate oxidation in liver mitochondria] Shostakovskaia IV, et al. **Ukr Biokhim Zh** 1986 Sep–Oct;58(5):54–61 (Eng. Abstr.) **(Rus)**
[Interaction of glucocorticoid hormones with mitochondrial membranes] Vol'skiĭ GG. **Ukr Biokhim Zh** 1987 Jan–Feb; 59(1):55–61 (Eng. Abstr.) **(Rus)**
[Characteristic effect of local anesthetics on the phospholipid composition of mitochondria] Dekutovich GV, et al. **Vopr Med Khim** 1986 Nov–Dec;32(6):38–41 (Eng. Abstr.) **(Rus)**
[The state of the microsomal oxidative system and liver mitochondria in rats after splenectomy] Krakovskiĭ ME, et al. **Vopr Med Khim** 1986 Nov–Dec;32(6):66–70 (Eng. Abstr.) **(Rus)**
[Changes in the phospholipid composition of liver mitochondrial membranes in rats treated with ethanol] Rakhimov MM, et al. **Vopr Med Khim** 1987 Mar–Apr; 33(2):93–6 (Eng. Abstr.) **(Rus)**
[Comparative study of the effect of ecdysterone, turkesterone and nerobol on the function of rat liver mitochondria in experimental diabetes] Tashmukhamedova MA, et al. **Vopr Med Khim** 1986 Sep–Oct;32(5):24–8 (Eng. Abstr.) **(Rus)**
[Mitochondrial oxidation in the rat liver during acute blood loss] Tremasova GIa. **Vopr Med Khim** 1987 May–Jun; 33(3):33–8 (Eng. Abstr.) **(Rus)**
[Effect of alimentary alpha-tocopherol deficiency on the fatty acid composition of phospholipids in the subcellular membranes of the liver cells and high density lipoproteins in the blood plasma] Liapkov BG, et al. **Vopr Pitan** 1986 Nov–Dec;(6):34–6 (Eng. Abstr.) **(Rus)**
[Effect of thyroxin on the functional state of the respiratory chain in liver mitochondria of the carp Cyprinus carpio during acclimatization to changes in water temperature] Arsan OM, et al. **Zh Evol Biokhim Fiziol** 1987 May–Jun; 23(3):287–92 (Eng. Abstr.) **(Rus)**
[Aging as reflected by energy metabolism within the cell] Guzy J, et al. **Cesk Fysiol** 1987;36(2):141–5 **(Slo)**

PHYSIOLOGY

Mitochondrial transmembrane potential and pH gradient during anoxia. Andersson BS, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):C349–55
Mitochondrial transmembrane ion distribution during anoxia. Aw TY, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):C356–61
Suppression of mitochondrial respiratory function after short-term anoxia. Aw TY, et al. **Am J Physiol** 1987 Apr; 252(4 Pt 1):C362–8
Structure-activity relationship of gramicidin S analogues on membrane permeability. Katsu T, et al. **Biochim Biophys Acta** 1987 May 29;899(2):159–70
Functional changes in rat-liver mitochondria during the early phase of burn injury. Wang XM, et al. **Burns Incl Therm Inj** 1986 Oct;12(7):461–4
Does bacteriorhodopsin energize the membranes of animal mitochondria under light? Okon EB, et al. **FEBS Lett** 1987 Jun 1;216(2):241–4

Patch clamping the outer mitochondrial membrane. Tedeschi H, et al. **J Membr Biol** 1987;97(1):21–9
Blebbing, free Ca2+ and mitochondrial membrane potential preceding cell death in hepatocytes. Lemasters JJ, et al. **Nature** 1987 Jan 1–7;325(6099):78–81

RADIATION EFFECTS

Effects of gamma-irradiation on isolated rat liver mitochondria. Erickson GA, et al. **Int J Radiat Biol** 1987 Jan;51(1):147–55
Effect of magnetic field on the process of cell respiration in mitochondria of rats. Gorczynska E, et al. **Physiol Chem Phys Med NMR** 1986;18(1):61–9

ULTRASTRUCTURE

Ultrastructural morphogenesis of mitochondria in alcoholic liver. Chang ES. **Acta Pathol Jpn** 1987 Feb;37(2):213–24
Tri-iodothyronine enhances the formation of light mitochondria during cold exposure. Goglia F, et al. **Comp Biochem Physiol [B]** 1986;85(4):869–73
A quantitative evaluation of the extent of inner mitochondrial membrane destruction after freezing–thawing based on functional studies. Tsvetkov T, et al. **Cryobiology** 1986 Oct; 23(5):433–9
Estimation of organelle water fractions from frozen-dried cryosections. von Zglinicki T, et al. **J Microsc** 1987 Apr; 146 (Pt 1):67–75
Ultrastructure of liver in inherited disorders of fat oxidation [letter] Lake BD, et al. **Lancet** 1987 Feb 14;1(8529):382–3
Tissue distribution and hepatic ultrastructural effects of aflatoxin B1 in Japanese quail. Shanks ET, et al. **Pol Arch Weter** 1986;26(1–2):117–31
Megamitochondria as a diagnostic marker for alcohol induced centrilobular and periportal fibrosis in the liver. Junge J, et al. **Virchows Arch [A]** 1987;410(6):553–8

MITOCHONDRIA, MUSCLE

Genetic transmission of myoclonus epilepsy with ragged red fibers [letter] Roger J. **Ann Neurol** 1986 Oct;20(4):545–6
Mitochondrial myopathy presenting as temporomandibular dysfunction. Van Sickels JE, et al. **J Oral Maxillofac Surg** 1987 Feb;45(2):168–72
Myopathies with abnormal mitochondria: a clinicopathologic classification. Kamieniecka Z, et al. **Muscle Nerve** 1978 Sep–Oct;1(5):413–5
Benign mitochondrial myopathy with deficiency of NADH–CoQ reductase and cytochrome c oxidase. Roodhooft AM, et al. **Neuropediatrics** 1986 Nov; 17(4):221–6
[Muscle pathology in mitochondrial myopathy] Nonaka I. **No To Hattatsu** 1987 Mar;19(2):110–7 (23 ref.) **(Jpn)**

DRUG EFFECTS

Effects of paraquat on mitochondria of rat skeletal muscle. Yamamoto T, et al. **Comp Biochem Physiol [C]** 1987; 86(2):375–8
Ethanol induced "mitochondrial cytopathy" [letter]Baruah JK, et al. **Exp Pathol** 1986;30(3):189–90

ENZYMOLOGY

Mitochondrial encephalomyopathy. Association with an NADH dehydrogenase deficiency. van Erven PM, et al. **Arch Neurol** 1987 Jul;44(7):775–8
Partial deficiency of subunits in complex I or IV of patients with mitochondrial myopathies. Tanaka M, et al. **Biochem Int** 1987 Mar;14(3):525–30
Monoclonal and polyclonal antibodies against porcine mitochondrial aspartate aminotransferase: their inhibition modes and application to enzyme immunoassay. Suzuki T, et al. **Biotechnol Appl Biochem** 1987 Apr;9(2):170–80
Mitochondrial myopathy: tissue-specific expression of a defect in ubiquinol–cytochrome c reductase. Darley-Usmar VM, et al. **Clin Chim Acta** 1986 Aug 15;158(3):253–61
Purification and properties of mitochondrial malate dehydrogenase of Toxocara canis muscle. Mansini E, et al. **Comp Biochem Physiol [B]** 1986;85(1):223–8
Activity of ATP synthetase complex after low temperature treatment or freeze-drying of mitochondria isolated from skeletal muscles. Tsvetkov T, et al. **Cryobiology** 1987 Jun; 24(3):280–4
A monoclonal antibody against cytochrome c oxidase distinguishes cardiac and skeletal muscle mitochondria. Nakagawa M, et al. **Exp Cell Res** 1987 Jan;168(1):44–52
Myocyte cytochrome oxidase activity and neuromuscular conduction associated with metabolic alkalemia. Millis RM, et al. **Exp Neurol** 1987 Jan;95(1):235–48
Effects of iron deficiency and training on mitochondrial enzymes in skeletal muscle. Willis WT, et al. **J Appl Physiol** 1987 Jun;62(6):2442–6
Characterization of the mitochondrial carnitine palmitoyltransferase enzyme system. I. Use of inhibitors. Declercq PE, et al. **J Biol Chem** 1987 Jul 15; 262(20):9812–21
Separation and functions of two acyl CoA transferases from Ascaris lumbricoides mitochondria. Saz HJ, et al. **J Exp Zool** 1987 May;242(2):241–5
Mitochondrial myopathy, encephalopathy, lactic acidosis and stroke-like episodes syndrome and NADH–CoQ reductase deficiency. Kobayashi M, et al. **J Inherited Metab Dis** 1986; 9(3):301–4
Mitochondrial encephalomyopathy and partial cytochrome c oxidase deficiency. Servidei S, et al. **Neurology** 1987 Jan; 37(1):58–63
Exercise-induced recurrent myoglobinuria: defective activity of inner carnitine palmitoyltransferase in muscle mitochondria of two patients. Trevisan CP, et al. **Neurology** 1987 Jul;37(7):1184–8
Benign reversible muscle cytochrome c oxidase deficiency: a second case. Zeviani M, et al. **Neurology** 1987 Jan; 37(1):64–7
Purification and some properties of glycerol-3-phosphate dehydrogenase from rabbit skeletal muscle mitochondria. Shi SP, et al. **Sci Sin [B]** 1986 Oct;29(10):1027–38
[The status of monoaminoxidase in myocardial, diaphragm and liver mitochondria in swine breeds of different constitutions] Quanz G, et al. **DTW** 1987 Jul–Aug; 94(7):403–6 (Eng. Abstr.) **(Ger)**
[NMR tomographic aspect of encephalomyopathy] Henkes H, et al. **ROFO** 1987 Aug;147(2):214–6 **(Ger)**
[Clinical and biochemical approach to mitochondrial cytopathy—pyruvate dehydrogenase complex deficiency] Miyabayashi S, et al. **No To Hattatsu** 1987 Mar; 19(2):125–31 **(Jpn)**
[Clinical and biochemical approach to mitochondrial cytopathy—carnitine palmitoyltransferase deficiency] Sugiyama N. **No To Hattatsu** 1987 Mar;19(2):140–9 (54 ref.) **(Jpn)**
[Neurological approach to mitochondrial abnormalities] Yokochi K. **No To Hattatsu** 1987 Mar;19(2):118–24 **(Jpn)**
[Properties of creatine kinase from skeletal muscle mitochondria] Lipskaia TIu, et al. **Biokhimiia** 1987 Apr; 52(4):690–700 (Eng. Abstr.) **(Rus)**
[Succinate-ubiquinone reductase site of the respiratory chain] Vinogradov AD. **Biokhimiia** 1986 Dec;51(12):1944–73 (166 ref.) (Eng. Abstr.) **(Rus)**

METABOLISM

Metabolic regulation in skeletal muscle: influence of endurance training as exerted by mitochondrial protein concentration. Gollnick PD. **Acta Physiol Scand [Suppl]** 1986;556:53–66
Shallow intracellular O2 gradients and absence of perimitochondrial O2 "wells" in heavily working red muscle. Gayeski TE, et al. **Adv Exp Med Biol** 1986; 200:487–94
Mitochondrial redox changes during rest–work transition in dog gracilis muscle. Olgin J, et al. **Adv Exp Med Biol** 1986; 200:545–54
Cold-induced changes in Ca2+ transport in duckling skeletal muscle mitochondria. Barré H, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):R1046–54
Hyperoxia, mitochondrial redox state, and lactate metabolism of in situ canine muscle. Wolfe BR, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):C263–8
Mitochondrial myopathies involving the respiratory chain: a biochemical analysis. Takamiya S, et al. **Ann NY Acad Sci** 1986;488:33–43 (25 ref.)
Studies on mitochondria from dystrophic skeletal muscle of mice. Liang RC. **Biochem Med Metab Biol** 1986 Oct; 36(2):172–8
The molecular aetiology of human mitochondrial myopathies. Darley-Usmar VM. **Biochem Soc Trans** 1987 Feb;15(1):102–3
Conserved structural domains among species and tissues-specific differences in the mitochondrial phosphate-transport protein and the ADP/ATP carrier. Rasmussen UB, et al. **Biochim Biophys Acta** 1986 Dec 3; 852(2–3):306–14
The clinical features of mitochondrial myopathy. Petty RK, et al. **Brain** 1986 Oct;109 (Pt 5):915–38
Increased respiration in skeletal muscle mitochondria from cold-acclimated ducklings: uncoupling effects of free fatty acids. Barré H, et al. **Comp Biochem Physiol [B]** 1986; 85(2):343–8
Perturbation of mitochondrial composition in muscle by iron deficiency. Implications regarding regulation of mitochondrial assembly. Cartier LJ, et al. **J Biol Chem** 1986 Oct 15;261(29):13827–32
Influence of mitochondrial content on the sensitivity of respiratory control. Dudley GA, et al. **J Biol Chem** 1987 Jul 5;262(19):9109–14
Genetic disorders of mitochondrial function. Menkes JH. **J Pediatr** 1987 Feb;110(2):255–9
The effect of marathon running on carnitine metabolism and on some aspects of muscle mitochondrial activities and antioxidant mechanisms. Cooper MB, et al. **J Sports Sci** 1986 Autumn;4(2):79–87
Metabolic recovery after exercise and the assessment of mitochondrial function in vivo in human skeletal muscle by means of 31P NMR. Arnold DL, et al. **Magn Reson Med** 1984 Sep;1(3):307–15
Bioenergetic heterogeneity of human mitochondrial myopathies: phosphorus magnetic resonance spectroscopy study. Argov Z, et al. **Neurology** 1987 Feb;37(2):257–62
Endurance training does not affect diaphragm mitochondrial respiration. Fregosi RF, et al. **Respir Physiol** 1987 Feb; 67(2):225–37
Binding of [14C] allylamine to isolated mitochondria from rat heart and aorta. Hysmith RM, et al. **Toxicology** 1987 Apr;44(1):13–29
[Histochemical Mg2+-ATPase technic for the detection of respiratory chain defects and inadequate provision with Krebs cycle intermediate products in skeletal muscle mitochondria] Meijer AE, et al. **Acta Histochem [Suppl] (Jena)** 1987;34:135–40 **(Ger)**
[Clinical and biochemical approach to mitochondrial cytopathy—defects of the respiratory chain] Kobayashi M. **No To Hattatsu** 1987 Mar;19(2):132–9 **(Jpn)**
[Characteristics of the effect of 2-pyrrolidone acetamide (piracetam) on energy coupling in rat skeletal muscle mitochondria during cold stress] Agureev AP, et al. **Vopr Med Khim** 1987 Mar–Apr;33(2):14–7 (Eng. Abstr.) **(Rus)**
[Mitochondrial diseases in children—a review] Holme E, et al. **Lakartidningen** 1987 Jul 22;84(30–31):2411–5 **(Swe)**

PATHOLOGY

MELAS syndrome involving a mother and two children. Driscoll PF, et al. **Arch Neurol** 1987 Sep;44(9):971–3
Loosely coupled skeletal muscle mitochondria in exertional rhabdomyolysis. Van den Hoven R, et al. **Equine Vet J** 1986 Sep;18(5):418–21
Malignant migraine: the syndrome of prolonged classical migraine, epilepsia partialis continua, and repeated strokes; a clinically characteristic disorder probably due to mitochondrial encephalopathy. Andermann F, et al. **Funct Neurol** 1986 Oct–Dec;1(4):481–6
Mitochondrial studies in Kearns–Sayre syndrome: normal respiratory chain function with absence of a mitochondrial translation product. Byrne E, et al. **Neurology** 1987 Sep; 37(9):1530–4
Computed tomography and angiography in MELAS (mitochondrial myopathy, encephalopathy, lactic acidosis and stroke-like episodes); report of 3 cases. Hasuo K, et al. **Neuroradiology** 1987;29(4):393–7

ULTRASTRUCTURE

Abnormal muscle mitochondria in ischemic claudication. Marbini A, et al. **Acta Neurol Belg** 1986 Nov–Dec; 86(5):304–10
Relationship between mitochondrial volume density and capillarity in hamster muscles. Sullivan SM, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):H149–55
Effects of endurance training on a mitochondrial reticulum in limb skeletal muscle. Kirkwood SP, et al. **Arch Biochem Biophys** 1987 May 15;255(1):80–8
Organelle dynamics in lobster axons: anterograde, retrograde and stationary mitochondria. Forman DS, et al. **Brain Res** 1987 May 26;412(1):96–106
Mitochondrial paracrystalline inclusions in the peroneus brevis muscle of patients with peripheral neuropathy. Marbini A, et al. **Clin Neuropathol** 1987 Jan–Feb;6(1):38–42
Mitochondrial changes during dedifferentiation and redifferentiation of regenerating hind limbs in larval and metamorphic stages of Bufo regularis Reuss. Ramadan AA, et al. **Folia Morphol (Praha)** 1987;35(1):86–95
Adrenomyeloneuropathic syndrome in a woman, associated with morphologic abnormalities of muscle mitochondria. Abarbanel JM, et al. **Neurology** 1987 Sep;37(9):1563
Intermittent claudication and muscle fiber fine structure: morphometric data on mitochondrial volumes. Angquist KA, et al. **Ultrastruct Pathol** 1980 Oct–Dec;1(4):461–70
[Mitochondrial myopathy manifested in infancy] György I, et al. **Orv Hetil** 1987 Jul 12;128(28):1447–50 (Eng. Abstr.) **(Hun)**

MITOCHONDRIAL SWELLING

Elasticity of synthetic phospholipid vesicles and submitochondrial particles during osmotic swelling. Li W, et al. **Biochemistry** 1986 Dec 16;25(25):8220–9
Apparent unmasking of [3H]GDP binding in rat brown-fat mitochondria is due to mitochondrial swelling. Nedergaard J, et al. **Eur J Biochem** 1987 May 4;164(3):681–6

DRUG EFFECTS

[Protective effect of propyl gallic acid on the swelling and lipid peroxidation of rat liver mitochondria] Wang JF, et al. **Yao Hsueh Hsueh Pao** 1986 Nov;21(11):857–60 (Eng. Abstr.) **(Chi)**

MITOGEN RECEPTORS see **RECEPTORS, MITOGEN**

MITOGENS

The early mitogenic pathway in mouse thymocytes: an analysis of the dual signal hypothesis. Metcalfe JC, et al. **Adv Exp Med Biol** 1987;213:29–44
Thrombin interactions with cultured fibroblasts: relationship to mitogenic stimulation. Cunningham DD, et al. **Ann NY Acad Sci** 1986;485:240–8
Human fibroblast-derived growth factor is a mitogen and chemoattractant for endothelial cells. Connolly DT, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):705–12
Rat transformation-associated proteins (TAP) induced by Moloney murine sarcoma virus interact with specific receptors on normal rat kidney cells. Li WJ, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):513–8
Mitogenic activity and inositide metabolism in thrombin-stimulated pig aorta endothelial cells. Moscat J, et al. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1302–9

Mitogenic and morphogenic effects of a bovine salivary gland extract on astrocytes and fibroblasts. Merkel GJ, et al. **Biochim Biophys Acta** 1987 Jun 22;924(3):492–501

Mitogen-specific nonresponsive mutants and the initiation of cellular proliferation. Herschman HR. **Bioessays** 1987 Jun;6(6):270–4

Endocytosis is required for the mitogenic effect of basic calcium phosphate crystals in fibroblasts. Borkowf A, et al. **Calcif Tissue Int** 1987 Mar;40(3):173–6

Chromosome abnormalities in chronic lymphocytic leukemia revealed by cytochalasin B and Epstein–Barr virus. Crossen PE, et al. **Cancer Genet Cytogenet** 1987 Sep;28(1):93–100

Clonal chromosome abnormalities in chronic lymphocytic leukemia patients revealed by TPA stimulation of whole blood cultures. Ross FM, et al. **Cancer Genet Cytogenet** 1987 Mar;25(1):109–21

Mitogenic activity of snake venom lectins. Mastro AM, et al. **Cell Tissue Kinet** 1986 Sep;19(5):557–66

Interleukin-4 (B cell growth factor-II/eosinophil differentiation factor) is a mitogen and differentiation factor for preactivated murine B lymphocytes. O'Garra A, et al. **Curr Top Microbiol Immunol** 1986;132:133–41

Heavy-metal mitogenesis: thymocyte activation by Zn++ requires 2-mercaptoethanol and lipopolysaccharide as cofactors. Reardon CL, et al. **Immunobiology** 1987 Mar; 174(2):233–43

Dose and time related effects of T-2 toxin on mitogenic response of murine splenic cells in vitro. Taylor MJ, et al. **Int J Immunopharmacol** 1987;9(1):107–13

The mitogenic signaling pathway of fibroblast growth factor is not mediated through polyphosphoinositide hydrolysis and protein kinase C activation in hamster fibroblasts. Magnaldo I, et al. **J Biol Chem** 1986 Dec 25; 261(36):16916–22

Growth-promoting effects of esterolytically inactive thrombin on macrophages. Bar-Shavit R, et al. **J Cell Biochem** 1986;32(4):261–72

Mitogenic effect of double-stranded RNA in human fibroblasts: role of autogenous interferon. Vilček J, et al. **J Cell Physiol** 1987 Jan;130(1):37–43

Mitogenic activity of cementum components to gingival fibroblasts. Miki Y, et al. **J Dent Res** 1987 Aug; 66(8):1399–403

Binding and mitogenic properties of a galactosyl-specific lectin from the tunicate Didemnum candidum for murine thymocytes and splenocytes. Vasta GR, et al. **J Immunol** 1986 Nov 15;137(10):3216–23

The mitogenic activity of staphylococcal enterotoxin B (SEB): a monovalent T cell mitogen that stimulates cytolytic T lymphocytes but cannot mediate their lytic interaction. Zehavi-Willner T, et al. **J Immunol** 1986 Oct 15;137(8):2682–7

Solubilized dental plaque is mitogenic for nylon wool–purified human cord blood T lymphocytes. Baker JJ, et al. **J Periodont Res** 1987 Mar;22(2):94–102

N-terminal deletion in the src gene of Rous sarcoma virus results in synthesis of a 45,000-Mr protein with mitogenic activity. Laugier D, et al. **J Virol** 1987 Aug;61(8):2523–9

The mitogenic effects of vasoactive neuropeptides on cultured smooth muscle cell lines. Mitsuhashi M, et al. **Life Sci** 1987 Mar 2;40(9):853–61

Wheat germ agglutinin is mitogenic, nonmitogenic and anti-mitogenic for human lymphocytes. Kilpatrick DC, et al. **Scand J Immunol** 1987 Apr;25(4):343–8

[Splenocyte chemiluminescence induced by various mitogenic stimuli] Karsonova MI, et al. **Mol Gen Mikrobiol Virusol** 1985 Sep;(9):36–8 (Eng. Abstr.) **(Rus)**

ANALYSIS

Ascaris suum: human lymphocyte mitogenic factor content. Sasagawa S, et al. **Exp Parasitol** 1987 Aug;64(1):71–7

Astrocyte mitogenic activity in aged normal and Alzheimer's human brain. Nieto-Sampedro M. **Neurobiol Aging** 1987 May–Jun;8(3):249–52

Occurrence and biochemical characteristics of cestode lymphocyte mitogens. Judson DG, et al. **Parasitology** 1987 Feb;94 (Pt 1):151–60

ANTAGONISTS & INHIBITORS

Extracts of feverfew inhibit mitogen-induced human peripheral blood mononuclear cell proliferation and cytokine mediated responses: a cytotoxic effect. O'Neill LA, et al. **Br J Clin Pharmacol** 1987 Jan;23(1):81–3

Rat hypothalamus contains an antimitogenic factor acting via benzodiazepine receptors. Pawlikowski M, et al. **Exp Clin Endocrinol** 1986 Dec;88(3):270–4

Cyclosporin A inhibits mitogen-activated but not phorbol ester-activated locomotion of human lymphocytes. Wilkinson PC, et al. **Immunology** 1987 Jul;61(3):311–6

IMMUNOLOGY

Response to isoantigens and mitogens in the cat: effects of cyclosporin A. Gregory CR, et al. **Am J Vet Res** 1987 Jan;48(1):126–30

ISOLATION & PURIFICATION

T cell mitogenicity of a novel beta-D-galactoside-specific lectin from the beetle, Allomyrina dichotoma (allo A). Kimura S, et al. **Immunopharmacology** 1987 Jun;13(3):181–8

Nocardia water soluble mitogen (NWSM), a human B-lymphocyte mitogen. Silvennoinen-Kassinen S, et al. **Int J Immunopharmacol** 1986;8(8):943–9

Purification of a chick brain-derived growth factor by reversed-phase high-performance liquid chromatography. Carlone R, et al. **J Neurosci** 1987 Jul;7(7):2163–7

Purification and partial characterization of a mitogenic factor from bovine liver: structural homology with basic fibroblast growth factor. Ueno N, et al. **Regul Pept** 1986 Dec 22; 16(2):135–45

METABOLISM

Reduced oxygen tension induces pulmonary endothelium to release a pulmonary smooth muscle cell mitogen(s). Vender RL, et al. **Am Rev Respir Dis** 1987 Mar;135(3):622–7

Binding of a synthetic analogue of mitogenic bacterial lipoprotein to murine major histocompatibility complex (MHC) gene products. Scheuer WV, et al. **Biol Chem Hoppe Seyler** 1986 Oct;367(10):1085–94

Interaction of mitogenic bacterial lipoprotein and a synthetic analogue with mouse lymphocytes. Isolation and characterization of binding proteins. Biesert L, et al. **Eur J Biochem** 1987 Feb 2;162(3):651–7

In vitro evidence that bone formation may be coupled to resorption by release of mitogen(s) from resorbing bone. Farley JR, et al. **Metabolism** 1987 Apr;36(4):314–21

Murine Gc globulin binds to a synthetic sequential polypeptide that is a murine B lymphocyte mitogen. Zeiger AR, et al. **Mol Immunol** 1986 Aug;23(8):863–8

PHARMACODYNAMICS

Attempts to stimulate mitosis in cultured trophoblast cells of cattle embryos. Gustafsson H, et al. **Acta Vet Scand** 1986; 27(4):560–5

Mitogen stimulation of Na+-H+ exchange: differential involvement of protein kinase C. Muldoon LL, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):C219–29

EGF-induced mitogenesis in proximal tubular cells: potentiation by angiotensin II. Norman J, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F299–309

Aryl-fluoroquinolone derivatives A-56619 (difloxacin) and A-56620 inhibit mitogen-induced human mononuclear cell proliferation. Gollapudi SV, et al. **Antimicrob Agents Chemother** 1986 Sep;30(3):390–4

Mitogen-stimulated release of inositol phosphates in human fibroblasts. Jamieson GA Jr, et al. **Arch Biochem Biophys** 1987 Feb 1;252(2):478–86

Inhibition of early events in the human T-lymphocyte response to mitogens and alloantigens by hydrogen peroxide. Freed BM, et al. **Arch Surg** 1987 Jan; 122(1):99–104

Chlorphentermine-induced alterations in the response of human lymphocytes to mitogens. Sauers LJ, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3651–4

Cytogenetic aspects of B-cell chronic lymphocytic leukemia: their correlation with clinical stage and different polyclonal mitogens. Castoldi GL, et al. **Cancer Genet Cytogenet** 1987 May;26(1):75–84

Failure of mitogen-induced cell proliferation to achieve initiation of rat liver carcinogenesis. Columbano A, et al. **Carcinogenesis** 1987 Feb;8(2):345–7

Effect of purified human interferon-alpha on the expression of differentiation antigens and mitogen reactivity of cultured human thymic cells. Diaz-Espada F, et al. **Cell Immunol** 1986 Jul;100(2):331–9

Lymphokine production by mitogen and antigen activated mouse intraepithelial lymphocytes. Dillon SB, et al. **Cell Immunol** 1986 Dec;103(2):326–38

Divergent effects of cyclosporine A on interferon- and mitogen-induced Ly-6A antigen suggest autocrine regulation of Ly-6A expression in activated T cells. Dumont FJ. **Cell Immunol** 1987 Apr 1;105(2):355–65

Osmotic enhancement of mitogenic stimulation in PNA-negative murine thymocytes. Novogrodsky A, et al. **Cell Immunol** 1987 Apr 1;105(2):262–9

Effects of a human urinary mitogen on subpopulations of peripheral blood mononuclear leukocytes. Wangel AG, et al. **Clin Exp Immunol** 1986 Oct;66(1):248–53

Bombesin induces c-fos and c-myc expression in quiescent Swiss 3T3 cells. Comparative study with other mitogens. Bravo R, et al. **Exp Cell Res** 1987 May;170(1):103–15

Mitogen treatment of permeabilized human T lymphocytes stimulates rapid tyrosine and serine phosphorylation of a 42 kDa protein. Mire AR, et al. **FEBS Lett** 1986 Sep 29; 206(1):53–8

Placental-derived mitogenic factor for human fetal adrenocortical cell cultures. Simonian MH, et al. **In Vitro Cell Dev Biol** 1987 Jan;23(1):57–62

Mitogenic responses of splenic B and T lymphocytes in neonatally capsaicin-treated mice. Sandberg G, et al. **Int Arch Allergy Appl Immunol** 1986;81(4):343–7

Protein kinase C in fibroblasts. Characteristics of its intracellular location during growth and after exposure to phorbol esters and other mitogens. Halsey DL, et al. **J Biol Chem** 1987 Feb 15;262(5):2234–43

Mitogen-activated S6 kinase is stimulated via protein kinase C-dependent and independent pathways in Swiss 3T3 cells. Pelech SL, et al. **J Biol Chem** 1987 Aug 25; 262(24):11598–606

Protein kinase C activators suppress stimulation of capillary endothelial cell growth by angiogenic endothelial mitogens. Doctrow SR, et al. **J Cell Biol** 1987 Mar;104(3):679–87

Multiple influences of a heparin-binding growth factor on neuronal development. Schubert D, et al. **J Cell Biol** 1987 Mar;104(3):635–43

Elevation of intracellular glutathione content associated with mitogenic stimulation of quiescent fibroblasts. Shaw JP, et al. **J Cell Physiol** 1986 Nov;129(2):193–8

Lymphocyte subpopulation profiles and mitogen kinetics in immunological deficiency testing. Radvany RM, et al. **J Clin Immunol** 1987 Jul;7(4):312–8

High production of the acquired immunodeficiency syndrome virus (lymphadenopathy-associated virus) by human T lymphocytes stimulated by streptococcal mitogenic toxins. Alouf JE, et al. **J Clin Microbiol** 1986 Oct;24(4):639–41

Effects of five kampohozais on the mitogenic activity of lipopolysaccharide, concanavalin A, phorbol myristate acetate and phytohemagglutinin in vivo. Iwama H, et al. **J Ethnopharmacol** 1986 Nov;18(2):193–204

Human T cell activation. III. Rapid induction of a phosphorylated 28 kD/32 kD disulfide-linked early activation antigen (EA 1) by 12-o-tetradecanoyl phorbol-13-acetate, mitogens, and antigens. Hara T, et al. **J Exp Med** 1986 Dec 1;164(6):1988–2005

Mitogen induction of ion channels in murine T lymphocytes. Decoursey TE, et al. **J Gen Physiol** 1987 Mar;89(3):405–20

Stimulation of mouse lymphocytes by a mitogen derived from Mycoplasma arthritidis. VI. Detection of a non-MHC gene(s) in the E alpha-bearing RIIIS mouse strain that is associated with a specific lack of T cell responses to the M. arthritidis soluble mitogen. Cole BC, et al. **J Immunol** 1987 Aug 1;139(3):927–35

Analysis of human lymphocyte transformation responses to graded doses of T cell mitogens by curve fitting. Cason J, et al. **J Immunol Methods** 1987 Aug 24;102(1):109–17

Relative responsiveness of cultured human epidermal melanocytes and melanoma cells to selected mitogens. Gordon PR, et al. **J Invest Dermatol** 1986 Dec;87(6):723–7

Induction of alkaline phosphatase activity in murine spleen cells treated with various mitogens. Ohno N, et al. **J Pharmacobiodyn** 1986 Jul;9(7):593–9

Mitogens and protein synthesis inhibitors induce ornithine decarboxylase gene transcription through separate mechanisms in the BC3H1 muscle cell line. Olson EN, et al. **Mol Cell Biol** 1986 Aug;6(8):2792–9

Natural killer cells do not lyse resting or mitogen-stimulated B cells. Froelich CJ, et al. **Nat Immun Cell Growth Regul** 1987;6(1):12–8

Mitogen induced LIF-production in T-lymphocyte subpopulations. Aguilar-Santelises M, et al. **Rev Latinoam Microbiol** 1987 Jan–Mar;29(1):21–5

Lymphocyte activation and induction of interferon gamma in human leucocyte cultures by the mitogen in Mycoplasma arthritidis supernatant (MAS). Kirchner H, et al. **Scand J Immunol** 1986 Nov;24(5):609–13

Alpha 1-microglobulin is mitogenic for guinea pig lymphocytes. Lögdberg L, et al. **Scand J Immunol** 1986 Nov;24(5):575–81

In vitro mitogen-induced interferon production and lymphocyte blastogenesis in patients with lung cancer. Suzuki S, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1986 Dec;33(1-4):27–32

Mitogens and oncogenes can block the induction of specific voltage-gated ion channels. Caffrey JM, et al. **Science** 1987 May 1;236(4801):570–3

[A study on the inhibition of lymphocytes response to mitogens by bile acids] Takase K. **Nippon Shokakibyo Gakkai Zasshi** 1987 May;84(5):1110–20 (Eng. Abstr.) **(Jpn)**

[Changes in Ca2+ level in cytoplasm of rat thymocytes after treatment with mitogens] GukovskaiaAS, et al. **Biofizika** 1987 Jan–Feb;32(1):163–4 (Eng. Abstr.) **(Rus)**

[Effect of T-cell mitogens and T-lymphocyte deficiency on splenic colony formation] Semina OV, et al. **Tsitologiia** 1986 Oct;28(10):1107–12 (Eng. Abstr.) **(Rus)**

SECRETION

Release of mitogenic factors by cultured preadipocytes from massively obese human subjects. Lau DC, et al. **J Clin Invest** 1987 Feb;79(2):632–6

MITOGENS, ENDOGENOUS see **GROWTH SUBSTANCES**

MITOGUAZONE

ADMINISTRATION & DOSAGE

[Combined efficacy of polyamine antimetabolites and cis-diamminedichloroplatinum] Fujimoto S, et al. **Gan No Rinsho** 1986 Dec;32(15):1929–33 (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

Ornithine decarboxylase and spermidine/spermine N1-acetyltransferase are induced in K562 cells by S-adenosylmethionine decarboxylase inhibitor methylglyoxal bis(guanylhydrazone) but not by analogous methylglyoxal bis(butylamidinohydrazone). Hibasami H, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):4031–5

Biochemical properties and crystal structure of

ethylmethylglyoxal bis(guanylhydrazone) sulfate--an extremely powerful novel inhibitor of adenosylmethionine decarboxylase. Elo H, et al. **Z Naturforsch [C]** 1986 Sep-Oct;41(9-10):851-5

METABOLISM

Multiple pathways for uptake of paraquat, methylglyoxal bis(guanylhydrazone), and polyamines. Byers TL, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):C663-9

Difluoromethylornithine enhances the uptake of methylglyoxal-bis(guanylhydrazone) prior to inhibiting leukemic cell proliferation. Maddox AM, et al. **Chemotherapy** 1987;33(2):110-22

PHARMACODYNAMICS

Induction of ornithine decarboxylase activity in mouse tissues by phorbol ester is effectively blocked by methylglyoxal bis(butylamidinohydrazone). Hibasami H, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):757-62

Isolation and uptake characteristics of adenovirus transformed cell revertants resistant to the antiproliferative effects of methylglyoxal bis(guanylhydrazone). Rodrigues MT, et al. **Biochem Biophys Res Commun** 1987 Sep 15; 147(2):675-81

Characterization of Trypanosoma brucei brucei S-adenosyl-L-methionine decarboxylase and its inhibition by Berenil, pentamidine and methylglyoxal bis(guanylhydrazone). Bitonti AJ, et al. **Biochem J** 1986 Aug 1;237(3):685-9

Effect of methylglyoxal bis(guanylhydrazone) on hepatic, heart and skeletal muscle mitochondrial carnitine palmitoyltransferase and beta-oxidation of fatty acids. Brady LJ, et al. **Biochem Pharmacol** 1987 Feb 15; 36(4):447-52

Ornithine decarboxylase and spermidine/spermine N1-acetyltransferase are induced in K562 cells by S-adenosylmethionine decarboxylase inhibitor methylglyoxal bis(guanylhydrazone) but not by analogous methylglyoxal bis(butylamidinohydrazone). Hibasami H, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):4031-5

Isolation of variants resistant to methylglyoxal bis(guanylhydrazone) from adenovirus-transformed rat cells. Sircar S, et al. **Cancer Res** 1987 Mar 1;47(5):1339-43

Haematological cell proliferation and differentiation responses to perturbations of polyamine biosynthesis. O'Conor GT Jr, et al. **Cell Tissue Kinet** 1986 Sep; 19(5):539-46

Modulation of murine erythroleukemic cell differentiation by inhibitors of polyamine biosynthesis. Meilhoc E, et al. **J Cell Physiol** 1987 Jun;131(3):465-71

Effects of treatment with DNA-directed cancer chemotherapeutic agents after polyamine depletion. Marton LJ. **Pharmacol Ther** 1987;32(2):183-90 (39 ref.)

THERAPEUTIC USE

Phase II trial of methylglyoxal bis (guanylhydrazone) (MGBG) in advanced head and neck cancer. Forastiere AA, et al. **Cancer** 1986 Dec 15;58(12):2585-8

Phase II evaluation of mitoguazone in metastatic hormone-resistant prostate cancer: a Southeastern Cancer Study Group trial. Moore MR, et al. **Cancer Treat Rep** 1987 Jan;71(1):89-90

Liposomes as carrier of methyl-GAG. Increased antitumor activity and reduced hypoglycemia in mice. Arndt D, et al. **Oncology** 1987;44(4):257-62

[Antitumor effects of polyamine antimetabolites with polyamine-free diet] Shrestha RD, et al. **Gan No Rinsho** 1987 Feb;33(2):179-83 (Eng. Abstr.) **(Jpn)**

MITOLACTOL

THERAPEUTIC USE

Histological examination of combined effects of chemotherapeutic agents and differently fractionated irradiations in transplanted solid Ehrlich carcinoma of mice. II. Observations after dibromodulcitol treatment. Unger E. **Strahlenther Onkol** 1987 Aug;163(8):557-60

MITOMYCINS

Reaction of acid-activated mitomycin C with calf thymus DNA and model guanines: elucidation of the base-catalyzed degradation of N7-alkylguanine nucleosides. Tomasz M, et al. **Biochemistry** 1987 Apr 7; 26(7):2010-27

Reassignment of the guanine-binding mode of reduced mitomycin C. Tomasz M, et al. **Biochemistry** 1986 Jul 29; 25(15):4337-44

Conformations of complexes between mitomycin and decanucleotides. 2. Application of the model to mitomycin C derivatives. Extension to covalent binding with adenine. Remers WA, et al. **J Med Chem** 1986 Jul;29(7):1256-63

Stability after freezing and thawing of solutions of mitomycin C in plastic minibags for intravesical use. Stolk LM, et al. **Pharm Weekbl [Sci]** 1986 Dec 12;8(6):286-8

ADMINISTRATION & DOSAGE

High-dose mitomycin-C with autologous bone marrow transplantation in patients with refractory malignancies. Influence of dose schedule on pharmacokinetics and nonhematopoietic toxicities. Karanes C, et al. **Am J Clin Oncol** 1986 Oct;9(5):444-8

Arterial chemoembolization with mitomycin C microcapsules followed by transcatheter hepatic artery embolization for hepatocellular carcinoma. Ohnishi K, et al. **Am J Gastroenterol** 1987 Sep;82(9):876-9

Intraarterial chemotherapy and hyperthermia for pain control in patients with recurrent rectal cancer. Estes NC, et al. **Am J Surg** 1986 Dec;152(6):597-601

Toxicity and pathological effects of a new dosage form of mitomycin C for carcinomatous peritonitis. Hagiwara A, et al. **Anticancer Res** 1987 Jan-Feb;7(1):105-8

Enhanced chemotherapeutic efficacy on carcinomatous peritonitis using a new dosage form in animal experiments. Hagiwara A, et al. **Anticancer Res** 1987 Mar-Apr; 7(2):167-70

Selective delivery of high levels of mitomycin C to peritoneal carcinomatosis using a new dosage form. Hagiwara A, et al. **Anticancer Res** 1986 Sep-Oct;6(5):1161-4

Chemotherapy for advanced and/or recurrent cervical cancer. Lahousen M, et al. **Arch Gynecol** 1987; 240(4):247-52

Intravesical mitomycin C for the treatment of recurrent superficial bladder tumours. Hetherington JW, et al. **Br J Urol** 1987 Mar;59(3):239-41

Instillation of mitomycin C and doxorubicin in the prevention of recurrent superficial (Ta-T1) bladder cancer. Jauhiainen K, et al. **Br J Urol** 1987 Jul;60(1):54-9

Phase II study of hepatic arterial degradable starch microspheres and mitomycin. Wollner IS, et al. **Cancer Drug Deliv** 1986 Fall;3(4):279-84

Selective in vitro and in vivo growth inhibition against human yolk sac tumor cell lines by purified antibody against human alpha-fetoprotein conjugated with mitomycin C via human serum albumin. Ohkawa K, et al. **Cancer Immunol Immunother** 1986;23(2):81-6

Effect of drug exposure duration and sequencing on hyperthermic potentiation of mitomycin-C and cisplatin. Wallner KE, et al. **Cancer Res** 1987 Jan 15;47(2):493-5

Synergy between low-dose chemotherapy and immunotherapy in mouse L1210 leukemia. Relyveld EH, et al. **Cancer Treat Rep** 1987 Mar;71(3):241-6

Hepatic artery bolus infusion chemotherapy with mitomycin C. Angiographic results and complications. Overbosch EH, et al. **Diagn Imag Clin Med** 1986;55(4-5):276-81

Drug-concentration dependent sensitivity to lysis by antibody and complement, of adriamycin- or mitomycin-treated murine lymphoma cells. Leroux JY, et al. **Int J Immunopharmacol** 1987;9(2):191-7

A pilot study of mitomycin-C/5-fluorouracil infusion combined with split course radiation therapy for carcinomas of the larynx and hypopharynx. Keane TJ, et al. **J Otolaryngol** 1986 Oct;15(5):286-8

Characterization of liposomes and an emulsion containing mitomycin C or lipophilic mitomycin C prodrugs. Sasaki H, et al. **J Pharm Sci** 1986 Dec;75(12):1166-70

Enhanced anticancer efficacy by use of mitomycin C adsorbed on small activated carbon particles in mice. Hagiwara A, et al. **Jpn J Cancer Res** 1987 Apr;78(4):405-8

Effects of vanillin on sister-chromatid exchanges and chromosome aberrations induced by mitomycin C in cultured Chinese hamster ovary cells. Sasaki YF, et al. **Mutat Res** 1987 Jul-Aug;191(3-4):193-200

Conjugates of mitomycin with anti-alpha-fetoprotein antibody: antitumor effect against alpha-fetoprotein-producing human gastric carcinoma implanted in nude mice. Takahashi Y, et al. **NCI Monogr** 1987;(3):101-5

[Intra-arterial infusion chemotherapy for poor-risk patients with locally advanced bladder cancer--clinical assessment of five cases] Araki S, et al. **Gan No Rinsho** 1987 Jan; 33(1):54-9 (Eng. Abstr.) **(Jpn)**

[Complete response of unresectable gastric cancer (Borrmann's type III) treated with combination chemotherapy of UFT and mitomycin--a case report] Iwase H, et al. **Gan No Rinsho** 1987 Jun;33(6):729-35 (Eng. Abstr.) **(Jpn)**

[Combined treatment of irradiation and 8 MHz radiofrequency hyperthermia with chemoembolization in advanced renal tumor] Nakajima K, et al. **Gan No Rinsho** 1987 Apr;33(4):421-7 (Eng. Abstr.) **(Jpn)**

[Adjuvant chemotherapy of colorectal cancer--results of prospective randomized trials] Hojo K, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):3063-73 (Eng. Abstr.) **(Jpn)**

[Implantation of a vascular access device in cancer treatment: operation or angiographic technic?] Honda H, et al. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2359-64 (Eng. Abstr.) **(Jpn)**

[Chemoembolization with degradable starch microspheres in malignant hepatic tumors] Itani K, et al. **Gan To Kagaku Ryoho** 1987 Feb;14(2):388-95 (Eng. Abstr.) **(Jpn)**

[Treatment of renal cell carcinoma invading the inferior vena cava; role of preoperative targeting chemotherapy] Kato T, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):956-60 (Eng. Abstr.) **(Jpn)**

[Phase II study of bronchial artery infusion of mitomycin C in non-small cell lung cancer] Nakamura Y, et al. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3436-9 (Eng. Abstr.) **(Jpn)**

[Enhancement of the antitumor effect on Walker-256 of administration of noradrenaline in physiological saline for five minutes after intraarterial injection of MMC] Sato T. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):938-41 (Eng. Abstr.) **(Jpn)**

[Enhancement of antitumor effect induced by ischemia in intraarterial chemotherapy (experimental study)] Sato T. **Gan To Kagaku Ryoho** 1987 Jan;14(1):200-3 **(Jpn)**

[Short ischemia of tumor by noradrenalin injected into tumor-feeding arteries after chemotherapy--improved cytotoxic damage on Walker-256] Sato T. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 1).744-6 **(Jpn)**

[Side effects and anti-cancer effects following intraperitoneal (ip) administration of mitomycin C (MMC)] Takizawa K, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1877-83 (Eng. Abstr.) **(Jpn)**

[A multi-institutional study on postoperative adjuvant immunochemotherapy of gastric cancer (III)] Tamada R, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 1):716-22 (Eng. Abstr.) **(Jpn)**

[Clinical study of intraperitoneal chemotherapeutic perfusion (IPCP) of mitomycin C (MMC) and intraperitoneal administration of cisplatin] Yamashita S, et al. **Gan To Kagaku Ryoho** 1987 Aug;14(8):2458-63 (Eng. Abstr.) **(Jpn)**

[Intra-arterial chemoembolization with albumin microspheres including mitomycin C in inoperable hepatic cancer] Endoh F. **Nippon Geka Gakkai Zasshi** 1987 May; 88(5):584-93 (Eng. Abstr.) **(Jpn)**

[The role of transurethral cauterization and instillation of mitomycin-C on carcinogenesis of the urinary bladder] Koseki K. **Nippon Hinyokika Gakkai Zasshi** 1987 Jan; 78(1):60-70 (Eng. Abstr.) **(Jpn)**

[Prophylactic intravesical instillation therapy with adriamycin (ADM) and mitomycin C (MMC) in patients with superficial bladder cancer] Ozaki Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep;77(9):1493-500 (Eng. Abstr.) **(Jpn)**

[Effects of anti-tumor drugs on thermosensitivity of thermotolerant cells and thermotolerance development] Furukawa-Furuya M. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Dec 25; 46(12):1429-38 (Eng. Abstr.) **(Jpn)**

[Study of regional perfusion of the extremities using the antineoplastic agent mitomycin-C] Watanabe S. **Nippon Seikeigeka Gakkai Zasshi** 1966 Jan;39(10):987-1002 (Eng. Abstr.) **(Jpn)**

[Effect of intratumor mitomycin-C injection on growth of homologously implanted pancreatic cancer in Syrian golden hamster] Moriai T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Aug;83(8):1515-9 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Plasmapheresis and antiplatelet agents in the treatment of the hemolytic uremic syndrome secondary to mitomycin [letter] Murgo AJ. **Am J Kidney Dis** 1987 Mar;9(3):241

Prospective study on the dose relationship of mitomycin C-induced interstitial pneumonitis. Verweij J, et al. **Cancer** 1987 Aug 15;60(4):756-61 (23 ref.)

Microangiopathic hemolytic anemia, noncardiac pulmonary edema, and renal failure after treatment of metastatic adenocarcinoma of the colon with 5-fluorouracil and mitomycin-C: report of a case. Claycomb CL, et al. **J Am Osteopath Assoc** 1986 Aug;86(8):499-503

Mitomycin C induced chromosomal aberrations and sister chromatid exchanges (SCEs) in lymphocytes of patients with precancerous and cancerous lesions of the uterine cervix. Murty VV, et al. **Neoplasma** 1987;34(1):101-5

Severe side effects of the cytotoxic drug mitomycin-C. Verweij J, et al. **Neth J Med** 1987 Jan;30(1):43-50 (82 ref.)

Severe side effects of the cytotoxic drug mitomycin-C. Verweij J, et al. **Neth J Med** 1987 Feb;30(1-2):43-50 (82 ref.)

Haemolytic-uraemic syndrome associated with mitomycin-C treatment. Wils J, et al. **Neth J Med** 1987 Jan;30(1):32-5

Haemolytic-uraemic syndrome associated with mitomycin-C treatment. Wils J, et al. **Neth J Med** 1987 Feb;30(1-2):32-5

Mitomycin C associated hemolytic uremic syndrome. Jain S, et al. **Pathology** 1987 Jan;19(1):58-61

Mitomycin C-induced hemolytic uremic syndrome. Six case reports and review of the literature on renal, pulmonary and cardiac side effects of the drug. Verweij J, et al. **Radiother Oncol** 1987 Jan;8(1):33-41 (74 ref.)

[Severe tissue necrosis due to extravasation of mitomycin] Bikkers TH, et al. **Ned Tijdschr Geneeskd** 1987 Apr 4; 131(14):588-90 (Eng. Abstr.) **(Dut)**

[Anatomo-clinical conference. Hôpital de la Pitié-Salpêtrière. Case n. 2-1987. Anemia, thrombopenia and renal insufficiency in a patient treated for cancer of the pancreas] Follezou JY, et al. **Ann Med Interne (Paris)** 1987;138(4):308-14 **(Fre)**

[Lung injury following mitomycin C (letter)] **Dtsch Med Wochenschr** 1987 May 1;112(18):742 **(Ger)**

[Lung parenchyma disease following instillation of mitomycin C in the bladder] Wilhelms E, et al. **Dtsch Med Wochenschr** 1986 Oct 10;111(41):1564-6 (Eng. Abstr.) **(Ger)**

[Pulmonary fibrosis following instillation of mitomycin C in the urinary bladder] Neubauer H, et al. **Urologe [A]** 1987 Jan;26(1):41-3 (Eng. Abstr.) **(Ger)**

[Toxicoallergic exanthema caused by intravesical instillation of mitomycin C] Sala F, et al. **G Ital Dermatol Venereol** 1987 May;122(5):265–7 (Eng. Abstr.) **(Ita)**

[Microangiopathic hemolytic anemia (MAHA) observed after administration of mitomycin C (MMC)] Yasunaga C, et al. **Gan No Rinsho** 1987 Jun;33(7):854–60 (Eng. Abstr.) **(Jpn)**

ANALYSIS

A systematic study on the chemical stability of mitomycin A and mitomycin B. Beijnen JH, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):2900–13

CHEMICAL SYNTHESIS

Preparation and antitumor activity of 7-substituted 1,2-aziridinomitosenes. Iyengar BS, et al. **J Med Chem** 1986 Oct;29(10):1864–8

Preparation and antitumor activity of new mitomycin A analogues. Sami SM, et al. **J Med Chem** 1987 Jan; 30(1):168–73

IMMUNOLOGY

Presence of mitomycin resistant T cells in peripheral blood of normal individuals. Fernandez LA, et al. **J Immunol Methods** 1987 Apr 16;98(2):271–7

METABOLISM

Mitomycin C pharmacokinetics in patients with recurrent or metastatic colorectal carcinoma. Erlichman C, et al. **Can J Physiol Pharmacol** 1987 Mar;65(3):407–11

Pharmacokinetics of mitomycin-C in plasma and tumor tissue of cervical cancer patients and in selected tissues of female rats. Malviya VK, et al. **Gynecol Oncol** 1986 Oct; 25(2):160–70

DNA adducts of medicinal drugs: some selected examples. Metzler M. **J Cancer Res Clin Oncol** 1986;112(3):210–5 (33 ref.)

The difference in pharmacokinetics of mitomycin C, given either as a single agent or as a part of combination chemotherapy. Verweij J, et al. **J Cancer Res Clin Oncol** 1986;112(3):283–4

Enhanced penetration of mitomycin C through hairless mouse and rat skin by enhancers with terpene moieties. Okamoto H, et al. **J Pharm Pharmacol** 1987 Jul;39(7):531–4

Interactions of anticancer quinone drugs, aclacinomycin A, adriamycin, carbazilquinone, and mitomycin C, with NADPH-cytochrome P-450 reductase, xanthine oxidase and oxygen. Komiyama T, et al. **J Pharmacobiodyn** 1986 Aug;9(8):651–64

Enhancement of mitomycin C uptake by isoproterenol in rat ascites hepatoma. Miyamoto K, et al. **J Pharmacobiodyn** 1986 May;9(5):453–9

Isolation and structure of a covalent cross-link adduct between mitomycin C and DNA. Tomasz M, et al. **Science** 1987 Mar 6;235(4793):1204–8

[Studies on the enhancing action of isoproterenol on the metabolism of mitomycin C] Matsunaga T, et al. **Yakugaku Zasshi** 1986 Nov;106(11):1057–63 (Eng. Abstr.) **(Jpn)**

[The mode of mitomycin C uptake in rat ascites hepatoma AH130 cells] Miyamoto K, et al. **Yakugaku Zasshi** 1986 Jun;106(6):511–6 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Induction of phage-like particles from a pathogenic strain of Vibrio parahaemolyticus by mitomycin C. Ohnishi T, et al. **Biochem Biophys Res Commun** 1986 Dec 30; 141(3):1249–53

Generation of photoemissive species by mitomycin C redox cycling in rat liver microsomes. Napetschnig S, et al. **Biochem Pharmacol** 1987 May 15;36(10):1617–21

Decreased transport of D-glucose and L-alanine across brush-border membrane vesicles from small intestine of rats treated with mitomycin C. Mizuno M, et al. **Biochim Biophys Acta** 1987 Aug 7;902(1):93–100

Induction, by adriamycin and mitomycin C, of modifications in lipid composition, size distribution, membrane fluidity and permeability of cultured RDM4 lymphoma cells. Oth D, et al. **Biochim Biophys Acta** 1987 Jun 30;900(2):198–208

Mitomycin C-induced bidirectional transcription from the colicin E1 promoter region in plasmid ColE1. Parker RC. **Biochim Biophys Acta** 1986 Oct 16;868(1):39–44

Variations in exposure to mitomycin C in an in vitro colony-forming assay. Slee PH, et al. **Br J Cancer** 1986 Dec;54(6):951–5

Effects of antimitotic drugs on the morphological features of PC12 cells in culture—a light and EM study. Gupta M, et al. **Brain Res Bull** 1987 Apr;18(4):555–61

Absence of interaction between furosemide and mitomycin C. Verweij J, et al. **Cancer Chemother Pharmacol** 1987; 19(1):84–6

Augmentation of the generation of cell-mediated cytotoxicity in culture by mitomycin C. Akiyoshi T, et al. **Cancer Immunol Immunother** 1987;24(3):259–62

Hyperthermic enhancement of cell killing by mitomycin C in mitomycin C-resistant Chinese hamster ovary cells. Wallner KE, et al. **Cancer Res** 1987 Mar 1;47(5):1308–12

Effects of radiofrequency radiation and simultaneous exposure with mitomycin C on the frequency of sister chromatid exchanges in Chinese hamster ovary cells. Ciaravino V, et al. **Environ Mutagen** 1987;9(4):393–9

The ATP assay is more sensitive than the succinate dehydrogenase inhibition test for predicting cell viability. Maehara Y, et al. **Eur J Cancer Clin Oncol** 1987 Mar; 23(3):273–6

Phagocytosis of yeast cells by monocytes: effects of fluorouracil, doxorubicin and mitomycin. Athlin L, et al. **Eur J Surg Oncol** 1987 Feb;13(1):51–5

Distilled water versus chemotherapeutic agents for transitional bladder carcinoma. Levin DR, et al. **Eur Urol** 1986;12(6):418–21

Suppression of migration inhibition factor (MIF) production by mitomycins in vitro. van der Nat JM, et al. **Immunobiology** 1986 Aug;172(1–2):120–7

Precocious disjunction of XY-bivalent in mouse germinal cells exposed in vivo to mitomycin C. Chakrabarti S, et al. **Indian J Exp Biol** 1986 Oct;24(10):636–7

Partial characterization of a mitomycin-C resistant T cell. Anderson RE, et al. **J Leukocyte Biol** 1987 Jan;41(1):33–9

The action of mitomycin C on the induction of cyclic AMP phosphodiesterase and the development of desensitization of adenylate cyclase by isoproterenol in rat ascites hepatoma AH130 cells. Matsunaga T, et al. **J Pharmacobiodyn** 1986 Sep;9(9):771–7

Effect of mitomycin C on the activation of adenylate cyclase in rat ascites hepatoma AH130 cells. Miyamoto K, et al. **J Pharmacobiodyn** 1986 Sep;9(9):778–82

In vitro fertilization and development of ova obtained from female mice treated with aminopterin and mitomycin C. Hashimoto T, et al. **J Toxicol Sci** 1986 Nov;11(4):279–91

Potent effects of the monoclonal antibody-mitomycin C conjugate on human colon cancers. Kotanagi H, et al. **Jpn J Surg** 1987 Jan;17(1):47–50

Influence of caffeine on mitomycin C induced mutagenesis: a simple explanation. MacPhee DG. **Microbios** 1987; 50(203):109

Mitomycin-C is an unreliable inhibitor for study of DNA synthesis in Plasmodium. Janse CJ, et al. **Mol Biochem Parasitol** 1986 Oct;21(1):33–6

Enhanced mutagenesis of UV-irradiated simian virus 40 occurs in mitomycin C-treated host cells only at a low multiplicity of infection. Sarasin A, et al. **Mol Cell Biol** 1986 Apr;6(4):1102–7

Mutagenesis and repair of DNA damage caused by nitrogen mustard, N,N'-bis(2-chloroethyl)-N-nitrosourea (BCNU), streptozotocin, and mitomycin C in E. coli. Fram RJ, et al. **Mutat Res** 1986 Nov;166(3):299–42

Sister-chromatid exchanges induced by mitomycin C after exposure of human lymphocytes in G0 to a low dose of X-radiation. Moquet JE, et al. **Mutat Res** 1987 Jan; 176(1):143–6

32P-analysis of DNA adducts in somatic and reproductive tissues of rats treated with the anticancer antibiotic, mitomycin C. Reddy MV, et al. **Mutat Res** 1987 Jul; 179(1):75–88

Genetic analysis of mitomycin-C-sensitive mutants of a Chinese hamster ovary cell line. Robson CN, et al. **Mutat Res** 1986 Nov;163(2):201–8

Proliferation-dependent reduction of sister-chromatid exchange frequency induced by mitomycin C in human lymphoblastoid cells and its suppression by inhibitors of DNA replication. Tohda H, et al. **Mutat Res** 1986 Nov; 163(2):167–74

Overcoming mitomycin C resistance with semisynthetic derivatives. Brattain MG, et al. **Prog Clin Biol Res** 1986; 223:63–79

Spontaneous and MMC induced SCE in lymphocytes from patients with cervical cancer. Sou S, et al. **Tohoku J Exp Med** 1986 Aug;149(4):417–23

Effects of mitomycin C in the central nervous system in newborn mice with special reference to neutral crest cells. Nozue AT. **Z Mikrosk Anat Forsch** 1986;100(4):607–18

[The induction of sister chromatid exchange by diethylstilbestrol and mitomycin C in lymphocytes of mothers and their newborn infants] Chen X, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1987 Apr; 184(1):78–86 (Eng. Abstr.) **(Ger)**

[Subrenal capsule assay as a chemosensitivity test (III)—Comparison of host reaction, experimental chemotherapy and use of nude mice] Kusuyama T, et al. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2722–9 (Eng. Abstr.) **(Jpn)**

[Comparative study with reduction rate of tumor and decrease rate of tumor markers as an effect of MMC on human cancer producing CEA and CA19-9 xenotransplanted in nude mice] Takahashi Y, et al. **Nippon Geka Gakkai Zasshi** 1987 Apr;88(4):502 **(Jpn)**

THERAPEUTIC USE

Chemotherapy for carcinomatous peritonitis and pleuritis with MMC-CH, mitomycin C adsorbed on activated carbon particles. Clinical trials. Hagiwara A, et al. **Cancer** 1987 Jan 15;59(2):245–51

Adjuvant perioperative hepatic arterial mitomycin C and floxuridine combined with surgical resection of metastatic colorectal cancer in the liver. Patt YZ, et al. **Cancer** 1987 Mar 1;59(5):867–73

Doxorubicin versus mitomycin versus doxorubicin plus mitomycin in advanced breast cancer: a randomized study. Andersson M, et al. **Cancer Treat Rep** 1986 Oct; 70(10):1181–6

Phase II trial of mitomycin in malignant mesothelioma. Bajorin D, et al. **Cancer Treat Rep** 1987 Sep;71(9):857–8

Synergistic effect of recombinant interleukin-2 on the inhibition of growth of adenocarcinoma 755 by mitomycin. Ligo M, et al. **Cancer Treat Rep** 1987 Jun;71(6):567–70

Adjuvant intravesical chemotherapy of superficial bladder cancer with monthly doxorubicin or intensive mitomycin. A comparison of two consecutive series. Ausfeld R, et al. **Eur Urol** 1987;13(1–2):10–4

Concurrent radiation and chemotherapy for carcinoma of the cervix recurrent after radical surgery. Thomas GM, et al. **Gynecol Oncol** 1987 Jul;27(3):254–63

Relationship between clinical parameters and pharmacokinetics of mitomycin C. Verweij J, et al. **J Cancer Res Clin Oncol** 1987;113(1):91–4

Preparation and antitumor activity of new mitomycin A analogues. Sami SM, et al. **J Med Chem** 1987 Jan; 30(1):168–73

Bacillus Calmette-Guerin for treatment of superficial transitional cell carcinoma of the bladder in patients who have failed thiotepa and/or mitomycin C. Soloway MS, et al. **J Urol** 1987 May;137(5):871–3

Enhanced chemosensitivity of cells from malignant effusions under condition of exposure to high temperature. Akiyoshi T, et al. **Jpn J Surg** 1986 Sep;16(5):323–9

Effect of tumour regression on serum and tissue copper concentration in mice bearing induced fibrosarcoma. Chakravarty PK, et al. **Z Naturforsch [C]** 1986 Sep-Oct; 41(9–10):956–8

[Selective bronchial arteriography and therapeutic infusion] Li LS. **Chung Hua I Hsueh Tsa Chih** 1986 Apr;66(4):214–6, 254 (Eng. Abstr.) **(Chi)**

[Huge Virchow's metastasis in gastric cancer made resectable by hyperthermochemoradiotherapy] Fujimura T, et al. **Gan No Rinsho** 1986 Nov;32(14):1879–86 (Eng. Abstr.) **(Jpn)**

[Advances in mitomycin studies—clinical studies: progress over 10 years] Taguchi T. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1957–73 (96 ref.) (Eng. Abstr.) **(Jpn)**

[Recent advanced studies on mitomycins, antitumor activity and mode of action] Taguchi T, et al. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2396–409 (48 ref.) (Eng. Abstr.) **(Jpn)**

[Missile therapy using monoclonal antibody drug conjugates in colorectal carcinoma] Takahashi T, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):931–7 (Eng. Abstr.) **(Jpn)**

TOXICITY

Single-dose and multiple-dose intravenous toxicity studies of BMY-25282 in rats. Bregman CL, et al. **Fundam Appl Toxicol** 1987 Jul;9(1):90–109

Characterization of mitomycin C-induced gastrointestinal damage: changes in the gastric absorption of drugs in rats. Mizuno M, et al. **J Pharm Pharmacol** 1986 Sep;38(9):663–7

Fumaric acid enhances DNA synthesis of rat hepatocytes by counteracting the toxicities of mitomycin C and aflatoxin B1. Kuroda K, et al. **Jpn J Cancer Res** 1986 Aug; 77(8):750–8

Synaptonemal complex damage as a measure of chemical mutagen effects on mammalian germ cells. Allen JW, et al. **Mutat Res** 1987 Jan;190(1):19–24

Studies of gene transfer and reversion to mitomycin C resistance in Fanconi anemia cells. Buchwald M, et al. **Mutat Res** 1987 Sep;184(2):153–9

The pR plasmid: a tool for discriminating between DNA lesions induced by different types of cytotoxic agents in cultured mammalian cells. Elli R, et al. **Mutat Res** 1987 Jul-Aug;191(3–4):177–81

Persistence of micronuclei in the marine mussel, Mytilus galloprovincialis, after treatment with mitomycin C. Majone F, et al. **Mutat Res** 1987 Jul-Aug;191(3–4):157–61

On the localization of mitomycin C-induced aberrations in normal human and Fanconi's anaemia cells. Savage JR, et al. **Mutat Res** 1987 May;178(1):65–71

Enhanced susceptibility of mouse embryos heterozygous for oligosyndactyly (Os/+) to mitomycin C-induced skeletal abnormalities. Moreno PA, et al. **Teratology** 1987 Apr; 35(2):261–5

[Mitomycin C-induced mutagenesis] Dubinina LG, et al. **Genetika** 1986 Oct;22(10):2444–51 (Eng. Abstr.) **(Rus)**

MITOSIS

Influence of mitosis on the in vitro intra-nuclear penetration of anti-RNP antibodies in several cell and tissue cultures. Guillet G, et al. **Agressologie** 1986 Sep;27(8):679–82

Axial rotation of murine embryos, a study of asymmetric mitotic activity in the neural tube of somite stages. Poelmann RE, et al. **Anat Embryol (Berl)** 1987; 176(1):99–103

Chromosome segregation in mitosis and meiosis. Murray AW, et al. **Annu Rev Cell Biol** 1985;1:289–315 (76 ref.)

Conjunctival goblet cells and mitotic rate in children with retinol deficiency and measles. Rao V, et al. **Arch Ophthalmol** 1987 Mar;105(3):378–80

Increased hyaluronate synthesis is required for fibroblast detachment and mitosis. Brecht M, et al. **Biochem J** 1986 Oct 15;239(2):445–50

An electron microscopic study of nucleolus-organizing regions at some stages of the cell cycle (G0 period, G2 period, mitosis). Hozák P, et al. **Biol Cell** 1986;

57(3):197–205
Interrelationship between mitosis and endomitosis in cultures of human megakaryocyte progenitor cells [published erratum appears in Blood 1987 May;69(5):1547] Arriaga M, et al. **Blood** 1987 Feb;69(2):486–92
Mitotic activity in non-Hodgkin's lymphoma. Relation to the Kiel classification and to prognosis. Akerman M, et al. **Br J Cancer** 1987 Feb;55(2):219–23
A comparison of three methods for the determination of the growth fraction in non-Hodgkin's lymphoma. Schrape S, et al. **Br J Cancer** 1987 Mar;55(3):283–6
Quantitative studies of mitoses in fetal rat brain: orientations of the spindles. Zamenhof S. **Brain Res** 1987 Jan; 428(1):143–6
Mitotic recombination can explain the apparent polyclonal origin of some tumors. Stamberg J, et al. **Cancer Genet Cytogenet** 1987 Jul;27(1):5–8
Stability of human renal cell carcinomas during long term serial transplantation into nude mice: histopathology, nuclear grade, mitotic rate, and DNA content in thirty tumors. Knöfel WT, et al. **Cancer Res** 1987 Jan 1; 47(1):221–4
Elevated expression and cell cycle deregulation of a mitosis-associated target polypeptide of a carcinogen in hyperplastic and malignant rat hepatocytes. Sorof S, et al. **Cancer Res** 1987 Jan 1;47(1):210–20
Disassembly of the nucleus in mitotic extracts: membrane vesicularization, lamin disassembly, and chromosome condensation are independent processes. Newport J, et al. **Cell** 1987 Jan 30;48(2):219–30
DNA topoisomerase II is required for condensation and separation of mitotic chromosomes in S. pombe. Uemura T, et al. **Cell** 1987 Sep 11;50(6):917–25
Mitosis in the corneal epithelium. A preliminary communication on the coexistence of differential and equivalent cell divisions. Lamprecht J. **Cell Biol Int Rep** 1987 Jun;11(6):449–55
Effect of inhibition of the catalytic activity of cyclic AMP-dependent protein kinase on mitosis in PtK1 cells. Browne CL, et al. **Cell Motil Cytoskeleton** 1987;7(3):248–57
Stress fiber and cleavage furrow formation in living cells microinjected with fluorescently labeled alpha-actinin. Sanger JM, et al. **Cell Motil Cytoskeleton** 1987;7(3):209–20
Redistribution of fluorescently labeled tubulin in the mitotic apparatus of sand dollar eggs and the effects of taxol. Hamaguchi Y, et al. **Cell Struct Funct** 1987 Feb;12(1):43–52
Long duration of mitosis and consequences for the cell cycle concept, as seen in the isthmal cells of the mouse pyloric antrum. II. Duration of mitotic phases and cycle stages, and their relation to one another. el-Alfy M, et al. **Cell Tissue Kinet** 1987 Mar;20(2):215–26
Long duration of mitosis and consequences for the cell cycle concept, as seen in the isthmal cells of the mouse pyloric antrum. I. Identification of early and late steps of mitosis. el-Alfy M, et al. **Cell Tissue Kinet** 1987 Mar;20(2):205–13
Do spermatogonial stem cells have a circadian rhythm? Oakberg EF, et al. **Cell Tissue Kinet** 1986 Jul;19(4):367–75
Behaviour of nucleolus during mitosis. A comparative ultrastructural study of various cancerous cell lines using the Ag-NOR staining procedure. Ploton D, et al. **Chromosoma** 1987;95(2):95–107
Circadian rhythm in the mitotic activity of the pars intermedia endocrine cell population of the mouse. Echave Llanos JM, et al. **Chronobiologia** 1987 Jan-Mar;14(1):9–12
Influence of pinealectomy on the mitotic activity of regenerating adrenal cortex in rats. Zieleniewski J, et al. **Cytobios** 1986;47(189):85–8
Easy transfer of selected mitoses from light to electron microscopy. Messier PE, et al. **Cytogenet Cell Genet** 1986; 43(3-4):207–10
Quantitative analysis of a nuclear antigen in interphase and mitotic cells. Clevenger CV, et al. **Cytometry** 1987 May; 8(3):280–6
Keratin filament disruption in interphase and mitotic cells--how is it induced? Tölle HG, et al. **Eur J Cell Biol** 1987 Feb;43(1):35–47
Distribution of cytoskeletal proteins sharing a conserved phosphorylated epitope. Vandré DD, et al. **Eur J Cell Biol** 1986 Jun;41(1):72–81
A method for freezing synchronous mitotic and G1 cells. Borrelli MJ, et al. **Exp Cell Res** 1987 Jun;170(2):363–8
Monoclonal antibody with specificity to mitotic chromosomes of primates. Davis FM, et al. **Exp Cell Res** 1987 Jun;170(2):417–27
Is nuclear envelope re-formation an inducible event? Ghosh S, et al. **Exp Cell Res** 1987 Jul;171(1):243–9
Multinucleate plant cells. III. Nuclear aneuploidy and mitotic behavior. Hervás JP. **Exp Cell Res** 1987 Aug;171(2):436–47
The blocked pinocytic activity of mitotic cells is restored in mitotic-interphase hybrids. Oliver JM, et al. **Exp Cell Res** 1987 Aug;171(2):475–82
A prognostic index for patients with malignant melanoma of the conjunctiva. Stefani FH. **Graefes Arch Clin Exp Ophthalmol** 1986;224(6):580–2
Three-way differentiation of sister chromatids in endoreduplicated (M3) chromosomes of Bloom syndrome B-lymphoid cell line. Bamezai R, et al. **Hum Genet** 1987 Mar;75(3):239–43
Mitosis counts: reproducibility and significance in grading of malignancy. Donhuijsen K. **Hum Pathol** 1986 Nov; 17(11):1122–5
Mitotic counts in follicular lymphomas. Ellison DJ, et al. **Hum Pathol** 1987 May;18(5):502–5
Use of flow cytometry in the measurement of cell mitotic cycle. Keng PC. **Int J Cell Cloning** 1986 Sep;4(5):295–311
The chromosome cycle and the centrosome cycle in the mitotic cycle. Mazia D. **Int Rev Cytol** 1987;100:49–92 (170 ref.)
Mitotic activity in fetal and early postnatal porcine adipose tissue. Hausman GJ, et al. **J Anim Sci** 1986 Aug; 63(2):659–73
Involvement of the 24-kDa cap-binding protein in regulation of protein synthesis in mitosis. Bonneau AM, et al. **J Biol Chem** 1987 Aug 15;262(23):11134–9
Coupling between phosphoinositide breakdown and early mitogenic events in fibroblasts. Studies with fluoroaluminate, vanadate, and pertussis toxin. Paris S, et al. **J Biol Chem** 1987 Feb 15;262(5):1977–83
Involvement of nuclear lamins in postmitotic reorganization of chromatin as demonstrated by microinjection of lamin antibodies. Benavente R, et al. **J Cell Biol** 1986 Nov; 103(5):1847–54
Identification of a 52-kD calmodulin-binding protein associated with the mitotic spindle apparatus in mammalian cells. Brady RC, et al. **J Cell Biol** 1986 Nov;103(5):1855–61
Regulation of the mRNA levels of nimA, a gene required for the G2-M transition in Aspergillus nidulans. Osmani SA, et al. **J Cell Biol** 1987 Jun;104(6):1495–504
A novel mitotic spindle pole component that originates from the cytoplasm during prophase. Sager PR, et al. **J Cell Biol** 1986 Nov;103(5):1863–72
The reproduction of centrosomes: nuclear versus cytoplasmic controls. Sluder G, et al. **J Cell Biol** 1986 Nov; 103(5):1873–81
The effect of factors released from the tumor-transformed cells on DNA synthesis, mitosis, and cellular enlargement in 3T3 fibroblasts. Dafgård E, et al. **J Cell Physiol** 1987 Aug;132(2):295–302
Evidence for two functionally different fibrinogen receptors on hemopoietic cells: the glycoprotein IIb-IIIa and the mitogenic fibrinogen receptor. Levesque JP, et al. **J Cell Physiol** 1987 Aug;132(2):303–10
Nuclear antigens follow different pathways into daughter nuclei during mitosis in early Drosophila embryos. Frasch M, et al. **J Cell Sci** 1986 Jun;82:155–72
Nuclear division in the marine dinoflagellate Oxyrrhis marina. Gao XP, et al. **J Cell Sci** 1986 Sep;85:161–75
High proliferative activity of Reed Sternberg associated antigen Ki-1 positive cells in normal lymphoid tissue. Gerdes J, et al. **J Clin Pathol** 1986 Sep;39(9):993–7
Mitotic figures in sweat gland adenomas. Cooper PH. **J Cutan Pathol** 1987 Feb;14(1):10–4
Transition from mitosis to interphase in sea urchin first division: immunofluorescence studies of tubulin distribution in methacrylate sections. Harris PJ, et al. **J Histochem Cytochem** 1987 Mar;35(3):343–9
Rapid anterograde spread of premitotic activity along degenerating cat sciatic nerve. Oaklander AL, et al. **J Neurochem** 1987 Jan;48(1):111–4
Epithelial mitotic activity during the induction of palatal candidosis in the Wistar rat. Shakir BS, et al. **J Oral Pathol** 1986 Aug;15(7):375–80
A membrane-specific tyrosinase chelate: the mitotic regulator? Kharasch JA. **Med Hypotheses** 1987 Jun; 23(2):195–207 (68 ref.)
Probing the mechanisms of mitosis with Dictyostelium discoideum. Roos UP. **Methods Cell Biol** 1987;28:261–79
Investigation of the potential for mitotic recombination in the mouse. Fisher G, et al. **Mutat Res** 1986 Dec; 164(6):381–8
Cell biology. Cyclins in meiosis and mitosis [news] Murray AW. **Nature** 1987 Apr 9-15;326(6113):542–3
Postnatal mitotic division of endothelial cells in the brain. Aikawa H, et al. **Neurosci Res** 1986 Nov;4(1):67–73
On the functional roles of simian virus 40 large and small T-antigen in the induction of a mitotic host response. Gauchat JF, et al. **Nucleic Acids Res** 1986 Dec 9; 14(23):9339–51
Multicentric human papillomavirus infections of the female genital tract: correlation of viral types with abnormal mitotic figures, colposcopic presentation, and location. Bergeron C, et al. **Obstet Gynecol** 1987 May;69(5):736–42
Mitoses in non-Hodgkin's lymphomas. Frequency and prognostic relevance. Donhuijsen K. **Pathol Res Pract** 1987 Jun;182(3):352–7
Evaluation of the mitotic index of human colonic mucosa; results of two different observers. Filipponi F, et al. **Pathol Res Pract** 1987 Feb;182(1):67–71
Mitosis of the Hofbauer cell: possible implications for a fetal macrophage. Castellucci M, et al. **Placenta** 1987 Jan-Feb; 8(1):65–76
Mitotic recombination between homologous chromosomes generates H-2 somatic cell variants in vitro. Potter TA, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1634–7
Resinless section electron microscopy of HeLa cell mitotic architecture. Wagner B, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):8996–9000
Liver regeneration in mice bearing a transplanted hepatoma. Badran AF, et al. **Rev Esp Oncol** 1984;31(4):591–600
Cell cycle genes of the fission yeast. Lee MG, et al. **Sci Prog** 1987;71(281 Pt 1):1–14
Actinomycin D effects on termite chromosomes: induction of high resolution banding patterns with silver staining in mitotic stages. Fontana F, et al. **Stain Technol** 1986 Nov; 61(6):361–6
Enhanced susceptibility of mouse embryos heterozygous for oligosyndactyly (Os/+) to mitomycin C-induced skeletal abnormalities. Moreno PA, et al. **Teratology** 1987 Apr; 35(2):261–5
Melanoma in situ (MIS) adjacent to an invasive nodular melanoma ("SSM/NM") and its metastases--DNA-cytophotometry, mitotic index, and anisokaryosis. Schmiegelow P, et al. **Virchows Arch [A]** 1987;411(3):213–21
Inhibiting effect of plasma from normal and tumour bearing mice on the mitotic rate of regenerating liver. Echave Llanos JM, et al. **Virchows Arch [B]** 1986;52(1):67–73
[Post-translational modifications of various polypeptides in relation to the first mitosis in BALB/c mouse ova] Grinfeld S, et al. **C R Soc Biol (Paris)** 1987;181(1):46–51 (Eng. Abstr.) **(Fre)**
[Proliferative diseases as disorders of intercellular communication: the role of chalones] Kolář Z, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;111:101–31 **(Ger)**
[Cell division simulation program for the study of the spatial distribution of mitoses] Mitolo V, et al. **Boll Soc Ital Biol Sper** 1987 Feb 28;63(2):119–25 (Eng. Abstr.) **(Ita)**
[Mitotic condensation of chromosomes] Staroń K. **Postepy Biochem** 1986;32(1-2):129–45 (132 ref.) **(Pol)**
[Relation between the size of C-segments and corresponding euchromatic regions of human chromosomes 1, 9 and 16 during their mitotic condensation] Akopian GR, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):454–6 (Eng. Abstr.) **(Rus)**
[Sympathetic action in skeletal muscle studied by recording mitogenetic radiation] Lazurkina NN. **Biull Eksp Biol Med** 1987 Feb;103(2):174–6 (Eng. Abstr.) **(Rus)**
[Topographic distribution of dividing hepatocytes in the regenerating liver lobule in the period of maximum mitotic activity] Romanov IuA, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):597–8 (Eng. Abstr.) **(Rus)**
[Regulation of DNA synthesis in the heterokaryons of macrophages and cells immortalized by oncogenes] Gumeniuk RR, et al. **Dokl Akad Nauk SSSR** 1987 May-Jun;294(1):230–3 **(Rus)**
[Relation between the proliferative activity of hepatocytes and the number of epidermal growth factor receptors] Osipova LA, et al. **Dokl Akad Nauk SSSR** 1987; 295(3):753–6 **(Rus)**
[Fine structure of the nucleus of the parasitic flagellate Trypanoplasma borreli (Kinetoplastida) in the interphase and mitosis] Skarlato SO. **Dokl Akad Nauk SSSR** 1987 Mar-Apr;293(1):220–1 **(Rus)**
[Complex evaluation of the proliferative activity of tumor cells in different histological variants of lung cancer] Kazantseva IA, et al. **Eksp Onkol** 1987;9(2):42–6 (Eng. Abstr.) **(Rus)**
[Mitotic division of differentiated neurosecretory cells in the hypothalamus of adult amphibians] Chetverukhin VK. **Tsitologiia** 1986 Dec;28(12):1361–4 (Eng. Abstr.) **(Rus)**
[Characteristics of the morphology and mitotic condensation of human Y chromosomes with structural rearrangements] Kovaleva NV, et al. **Tsitologiia** 1986 Dec;28(12):1322–8 (Eng. Abstr.) **(Rus)**
[Experience of the use of histoautoradiography in vitro, using 3H-thymidine, for assessing the degree of radiation damage to rectal adenocarcinoma] Savel'eva OP, et al. **Vopr Onkol** 1986;32(11):77–9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Hydroxyurea synchronization increases mitotic yield in human glioma cell lines. Biegel JA, et al. **Acta Neuropathol (Berl)** 1987;73(3):309–12
Action of estrogen on mitotic activity of the interrenal tissue of the male domestic duckling. Maiti BR, et al. **Acta Physiol Pol** 1986 Jul-Aug;37(4-5):232–4
Relationships between chemical structures and antimitotic activities of a group of colchicine alkaloids. Dvořáčková S, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;111:13–22
Attempts to stimulate mitosis in cultured trophoblast cells of cattle embryos. Gustafsson H, et al. **Acta Vet Scand** 1986; 27(4):560–5
Apolipoproteins induced by an antimitotic agent. Dousset N, et al. **Adv Exp Med Biol** 1987;210:201–8
Oral contraception and hormone replacement therapy: are progestogens and progestins breast mitogens? [letter] Vorherr H. **Am J Obstet Gynecol** 1986 Nov;155(5):1140–2
Inhalant anesthetics as neuroteratogens. Rodier PM. **Ann NY Acad Sci** 1986;477:42–8
12-O-tetradecanoylphorbol-13-acetate induces an immediate, but transient increase in mitotic activity uncoupled from DNA synthesis in the monolayer cultures of rat keratinocyte. Kim HJ, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):777–82
Early and late mitogenic events induced by FGF on bovine epithelial lens cells are not triggered by hydrolysis of polyphosphoinositides. Moenner M, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):32–40
Inhibition of bombesin-induced mitogenesis by pertussis toxin: dissociation from phospholipase C pathway. Zachary I, et al. **Biochem Biophys Res Commun** 1987 Jul 31; 146(2):456–63
Effects of four bisphosphonates on bone resorption,

lysosomal enzyme release, protein synthesis and mitotic activities in mouse calvarial bones in vitro. Lerner UH, et al. **Bone** 1987;8(3):179–89

Cytotoxicity of enantiomers of gossypol. Joseph AE, et al. **Br J Cancer** 1986 Sep;54(3):511–3

Comparison of 1,2-dihydropyrido[3,4-b]pyrazines (1-deaza-7,8-dihydropteridines) with several other inhibitors of mitosis. Bowdon BJ, et al. **Cancer Res** 1987 Mar 15;47(6):1621–6

Effects of N,N-dimethylformamide and retinoic acid on transforming growth factor-beta induced mitogenesis in AKR-2B mouse embryo fibroblasts. Levine AE, et al. **Cancer Res** 1987 Aug 15;47(16):4278–82

The clam embryo protein cyclin A induces entry into M phase and the resumption of meiosis in Xenopus oocytes. Swenson KI, et al. **Cell** 1986 Dec 26;47(6):861–70

Impact of gonadotropin (FSH–LH)–thyrotropin (TSH) overlap on the growth of Chinese hamster ovary (CHO) cell culture after single and repeated treatment. Csaba G, et al. **Cell Biol Int Rep** 1987 Jun;11(6):495

Antioxidants and blockers of arachidonate metabolism inhibit the mitogenic effects of TPA in hepatocytes: differences in the operative mechanisms according to the cell cycle setting. Romano F, et al. **Cell Biol Int Rep** 1986 Oct; 10(10):797–811

Comparative effects of non-steroidal anti-inflammatory drugs, mefenamic acid, metiazinic acid and glucametacin on the inflammatory response induced by subcutaneous implantation of human dental plaque and on the mitotic activity of isoproterenol-stimulated parotid glands of rats. Akatsu T, et al. **Cell Mol Biol** 1986;32(5):619–26

Effect of microinjected calcium–calmodulin on mitosis in PtK2 cells. Keith CH. **Cell Motil Cytoskeleton** 1987; 7(1):1–9

Mitotic inhibition and chromosome displacement induced by estradiol in Chinese hamster cells. Wheeler WJ, et al. **Cell Motil Cytoskeleton** 1987;7(3):235–47

Cordycepin disrupts the microtubule networks and arrests Nil 8 hamster fibroblasts at the onset of mitosis. Zieve GW, et al. **Cell Motil Cytoskeleton** 1987;7(4):337–46

Short-term rescue by RNA injection of a mitotic arrest mutation that affects the preimplantation mouse embryo. Yee D, et al. **Dev Biol** 1987 Jul;122(1):256–61

A growth stimulatory effect of iodide is suggested by its effects on c-myc messenger ribonucleic acid levels, [3H]thymidine incorporation, and mitotic activity of porcine follicle cells in suspension culture. Heldin NE, et al. **Endocrinology** 1987 Aug;121(2):757–64

In vivo administration of interleukin 2 stimulates mitosis in thymus and bone marrow. Gearing AJ, et al. **Eur J Immunol** 1986 Sep;16(9):1171–4

Synergistic activation of retinal capillary pericyte proliferation in culture by inositol triphosphate and diacylglycerol. Li W, et al. **Exp Eye Res** 1987 Jan; 44(1):29–35

Effects of the new mitotic inhibitor pyrimidinsulfone NY 4137 on human cells in vitro and on colchicine binding to tubulin. Nygaard ME, et al. **Invest New Drugs** 1986; 4(3):221–9

Toxic and genotoxic action of electric-arc welding fumes on cultured mammalian cells. Baker RS, et al. **J Appl Toxicol** 1986 Oct;6(5):357–62

Colcemid effects on B16 melanoma cell progression and aberrant mitotic division. Bhuyan BK, et al. **J Cell Physiol** 1987 Aug;132(2):237–45

Dexamethasone inhibits feedback regulation of the mitogenic activity of tumor necrosis factor, interleukin-1, and epidermal growth factor in human fibroblasts. Kohase M, et al. **J Cell Physiol** 1987 Aug;132(2):271–8

Protamine sulfate inhibits mitogenic activities of the extracellular matrix and fibroblast growth factor, but potentiates that of epidermal growth factor. Neufeld G, et al. **J Cell Physiol** 1987 Aug;132(2):287–94

Exposure to caffeine and suppression of DNA replication combine to stabilize the proteins and RNA required for premature mitotic events. Schlegel R, et al. **J Cell Physiol** 1987 Apr;131(1):85–91

Failure of melatonin to inhibit the mitotic activity of regenerating adrenal cortex in rats. Karasek M, et al. **J Pineal Res** 1987;4(2):197–200

Mitogenic effect of bradykinin and of des-Arg9-bradykinin on cultured fibroblasts. Marceau F, et al. **Life Sci** 1986 Dec 15;39(24):2351–8

Hypersensitivity of Drosophila mei-41 mutants to hydroxyurea is associated with reduced mitotic chromosome stability. Banga SS, et al. **Mutat Res** 1986 Nov;163(2):157–65

Use of alpha- and beta-tubulin mutants for the study of spontaneous and induced chromosomal mis-distribution in Aspergillus nidulans. Gualandi G. **Mutat Res** 1987 May; 178(1):33–41

Spindle disturbances in mammalian cells. III. Toxicity, c-mitosis and aneuploidy with 22 different compounds. Specific and unspecific mechanisms. Onfelt A. **Mutat Res** 1987 Jun;182(3):135–54

Spindle disturbances in mammalian cells. IV. The action of some glutathione-specific agents in V79 Chinese hamster cells, changes in levels of free sulfhydryls and ATP, c-mitosis and effects on DNA metabolism. Onfelt A. **Mutat Res** 1987 Jun;182(3):155–72

Effects of anticoagulants upon sister-chromatid exchanges, cell-cycle kinetics, and mitotic index in human peripheral lymphocytes. Tucker JD, et al. **Mutat Res** 1987 Mar; 190(3):225–8

Antimitotic and cytotoxic activities of guattegaumerine, a bisbenzylisoquinoline alkaloid. Leclercq J, et al. **Planta Med** 1987 Feb;53(1):116–7

Mitodepressive effect of (-)-cathinone, from Catha edulis (khat), on the meristematic region of Allium cepa root tips. Al-Meshal IA. **Toxicon** 1987;25(4):451–4

[Effect of antimitotic agents on normal or cancerous animal cells] Bassleer R, et al. **Rev Med Liege** 1986 Oct 15; 41(20):816–22 **(Fre)**

[Effect of different doses of a chalone-containing alcohol precipitate of Ehrlich ascitic tumor on the mitotic activity and DNA synthesis in this tumor] Matsak NIa, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):89–92 (Eng. Abstr.) **(Rus)**

[Effect of methotrexate and actinomycin D on the frequency and ratio of early mitotic cells] Vaniurikhina EA, et al. **Tsitol Genet** 1987 Mar-Apr;21(2):115–8 (Eng. Abstr.) **(Rus)**

[Conditions of the reversibility of metaphase arrest and induction of multi-polar mitoses after treatment with nocodazole] Alieva IB, et al. **Tsitologiia** 1987 May; 29(5):560–8 (Eng. Abstr.) **(Rus)**

[Redistribution of bone marrow cells according to mitotic cycle phases after the action of agents altering the intracellular concentration of cyclic nucleotides] Gracheva NI, et al. **Tsitologiia** 1987 Jun;29(6):706–10 (Eng. Abstr.) **(Rus)**

[Effect of sodium selenite on tumor cells in culture] Avtsyn AP, et al. **Vopr Onkol** 1986;32(8):77–89 (Eng. Abstr.) **(Rus)**

[Mitogenic action of bacterial T-independent antigens under various conditions of lymphocyte culture] Surgal VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jan;(1):76–80 (Eng. Abstr.) **(Rus)**

[Antimitotic activity of aqueous acid extracts and phenol acid fractions of Erica andevalensis Carbezudo-Rivera] Pascual M, et al. **Farmaco [Prat]** 1987 Apr;42(4):111–5 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Effect of low-level, 60-Hz electromagnetic fields on human lymphoid cells: I. Mitotic rate and chromosome breakage in human peripheral lymphocytes. Cohen MM, et al. **Bioelectromagnetics** 1986;7(4):415–23

Epidermal Langerhans cells undergo mitosis during the early recovery phase after ultraviolet-B irradiation. Miyauchi S, et al. **J Invest Dermatol** 1987 Jun;88(6):703–8

[Biologic effects of hyperthermia and radiation on gastric cancer cells (SGC-7901) in vitro—I. Influence on cell growth curve, number of colonies and mitosis] Zhou NX, et al. **Chung Hua Chung Liu Tsa Chih** 1987 Jan;9(1):17–20 (Eng. Abstr.) **(Chi)**

[Dose-response curves for the action of 6 MeV mean-energy neutrons on a human lymphocyte culture at different stages of the mitotic cycle] Demina EA. **Radiobiologiia** 1987 May-Jun;27(3):357–61 (Eng. Abstr.) **(Rus)**

MITOTANE

ADVERSE EFFECTS

[Neurotoxicity of mitotane therapy of adrenocortical carcinoma (5 cases) and Cushing's syndrome (7 cases)] du Rostu H, et al. **Presse Med** 1987 May 23;16(19):951–4 (Eng. Abstr.) **(Fre)**

ANALOGS & DERIVATIVES

Toxicity, ultrastructural effects, and metabolic studies with 1-(o-chlorophenyl)-1-(p-chlorophenyl)-2,2-dichloroethane(o,p'-DDD) and its methyl analog in the guinea pig and rat. Jensen BL, et al. **Toxicol Appl Pharmacol** 1987 Jan;87(1):1–9

METABOLISM

Mitotane (1-(o-chlorophenyl)-1-(p-chlorophenyl)-2,2-dichloroethane) metabolism in perfusion studies with dog adrenal glands. Sinsheimer JE, et al. **Drug Metab Dispos** 1987 Mar-Apr;15(2):267–9

PHARMACODYNAMICS

[Comparative study of the effect of chloditan on the concentration of cytochrome P-450 and adrenodoxin in various organs of the dog and rat] Kandul SV, et al. **Fiziol Zh** 1986 Sep-Oct;32(5):579–84 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Cushing's syndrome after treatment: changes in cortisol and ACTH levels, and amelioration of the depressive syndrome. Starkman MN, et al. **Psychiatry Res** 1986 Nov;19(3):177–88

Significant regression of the tumor combined with the high level of plasma cortisol by low-dose administration of O, p'-DDD in a case with Cushing's syndrome caused by adrenocortical carcinoma. Otokida K, et al. **Tohoku J Exp Med** 1986 Dec;150(4):407–15

TOXICITY

Toxicity, ultrastructural effects, and metabolic studies with 1-(o-chlorophenyl)-1-(p-chlorophenyl)-2,2-dichloroethane(o,p'-DDD) and its methyl analog in the guinea pig and rat. Jensen BL, et al. **Toxicol Appl Pharmacol** 1987 Jan;87(1):1–9

MITOTIC INDEX see under **MITOSIS**

MITOTIC SPINDLE APPARATUS

DRUG EFFECTS

Quinacrine-induced changes in mitotic PtK1 spindle microtubule organization. Armstrong L, et al. **Cell Motil Cytoskeleton** 1987;7(1):10–9

Effect of taxol on first and second meiotic spindle formation in oocytes of the surf clam, Spisula solidissima. Kuriyama R. **J Cell Sci** 1986 Aug;84:153–64

Diphenylhydantoin and mitotic spindle abnormalities in cultured mouse and human cells. De Oliveira AR, et al. **Mutat Res** 1987 Feb;187(2):91–7

Spindle disturbances in mammalian cells. III. Toxicity, c-mitosis and aneuploidy with 22 different compounds. Specific and unspecific mechanisms. Onfelt A. **Mutat Res** 1987 Jun;182(3):135–54

Spindle disturbances in mammalian cells. IV. The action of some glutathione-specific agents in V79 Chinese hamster cells, changes in levels of free sulfhydryls and ATP, c-mitosis and effects on DNA metabolism. Onfelt A. **Mutat Res** 1987 Jun;182(3):155–72

Mechanistic aspects on chemical induction of spindle disturbances and abnormal chromosome numbers. Onfelt A. **Mutat Res** 1986 Nov;168(3):249–300 (381 ref.)

IMMUNOLOGY

An antiserum to the sea urchin 20 S egg dynein reacts with embryonic ciliary dynein but it does not react with the mitotic apparatus. Asai DJ. **Dev Biol** 1986 Dec; 118(2):416–24

METABOLISM

Reactivation of spindle elongation in vitro is correlated with the phosphorylation of a 205 kd spindle-associated protein. Wordeman L, et al. **Cell** 1987 Aug 14;50(4):535–43

Identification of the 190 kD microtubule-associated protein in cultured fibroblasts and its association with interphase and mitotic microtubules. Kotani S, et al. **Cell Struct Funct** 1987 Feb;12(1):1–9

Identification of a 52-kD calmodulin-binding protein associated with the mitotic spindle apparatus in mammalian cells. Brady RC, et al. **J Cell Biol** 1986 Nov;103(5):1855–61

A novel mitotic spindle pole component that originates from the cytoplasm during prophase. Sager PR, et al. **J Cell Biol** 1986 Nov;103(5):1863–72

PHYSIOLOGY

Making the mitotic spindle and axonal transport work in vitro. Gull K. **Bioessays** 1986 Feb;4(2):77–8

The role of tubulin polymerization during spindle elongation in vitro. Masuda H, et al. **Cell** 1987 Apr 24;49(2):193–202

Patterns of tubulin isotype synthesis and usage during mitotic spindle morphogenesis in Physarum. Paul EC, et al. **Cell Motil Cytoskeleton** 1987;7(3):272–81

Establishment of the mechanism of cytokinesis in animal cells. Rappaport R. **Int Rev Cytol** 1986;105:245–81 (136 ref.)

Micromanipulated bivalents can trigger mini-spindle formation in Drosophila melanogaster spermatocyte cytoplasm. Church K, et al. **J Cell Biol** 1986 Dec;103(6 Pt 2):2765–73

Chromosomes move poleward in anaphase along stationary microtubules that coordinately disassemble from their kinetochore ends. Gorbsky GJ, et al. **J Cell Biol** 1987 Jan; 104(1):9–18

Microtubule dynamics in the spindle. II. A thermodynamic and kinetic description. Cohn SA, et al. **J Theor Biol** 1986 Oct 7;122(3):277–301

ULTRASTRUCTURE

Spatial orientation of the mitotic apparatus and its stability in a polarized epithelial cell. A computer-assisted morphometric analysis. Lamprecht J, et al. **Anat Embryol (Berl)** 1986;175(1):129–35

Quantitative studies of mitoses in fetal rat brain: orientations of the spindles. Zamenhof S. **Brain Res** 1987 Jan; 428(1):143–6

Kinetochore microtubules in crane-fly spermatocytes: untreated, 2 degrees C-treated, and 6 degrees C-grown spindles. Scarcello LA, et al. **Cell Motil Cytoskeleton** 1986; 6(4):428–38

Redistribution of fluorescently labeled tubulin in the mitotic apparatus of sand dollar eggs and the effects of taxol. Hamaguchi Y, et al. **Cell Struct Funct** 1987 Feb;12(1):43–52

The distribution of intermicrotubular bridges in meiotic spindles of the crane fly. Bastmeyer M, et al. **Chromosoma** 1986;94(5):419–24

Alterations to the microtubular cytoskeleton and increased disorder of chromosome alignment in spontaneously ovulated mouse oocytes aged in vivo: an immunofluorescence study. Eichenlaub-Ritter U, et al. **Chromosoma** 1986;94(5):337–45

Relationship between the arrangement of microtubules and chromosome behaviour of syntelic autosomal univalents during prometaphase in crane fly spermatocytes. Steffen

W. **Chromosoma** 1986;94(5):412–8
Immunostaining of spindle components in tipulid spermatocytes using a serum against pericentriolar material. Hastmeyer M, et al. **Eur J Cell Biol** 1986 Dec;42(2):305–10
The karyotype of Plasmodium falciparum determined by ultrastructural serial sectioning and 3D reconstruction. Prensier G, et al. **J Parasitol** 1986 Oct;72(5):731–6
Arrangement of actin filaments and myosin-like filaments in the contractile ring and of actin-like filaments in the mitotic spindle of dividing HeLa cells. Maupin P, et al. **J Ultrastruct Mol Struct Res** 1986 Jan;94(1):92–103
Isolation of mitotic spindles from mammalian cells. Brady RC, et al. **Methods Enzymol** 1986;134:217–25
Isolation of mitotic spindles and spindle pole bodies from yeast. Hyams JS, et al. **Methods Enzymol** 1986;134:225–32
Isolation of sea urchin spindles and cytasters. Kuriyama R. **Methods Enzymol** 1986;134:190–9
Isolation of native, membrane-containing mitotic apparatus from sea urchin embryos. Silver RB. **Methods Enzymol** 1986;134:200–17
Chromosome flexion: potential for assessing the state of spindle assembly. Correll AT, et al. **Mutat Res** 1987 Feb; 190(2):137–43
Kinesin is associated with a nonmicrotubule component of sea urchin mitotic spindles. Leslie RJ, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2771–5
Resinless section electron microscopy of HeLa cell mitotic architecture. Wagner B, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):8996–9000
Physical theory of the orientation of astral mitotic spindles. Bjerknes M. **Science** 1986 Dec 12;234(4782):1413–6

MITOXANTRONE

Structural modification study of mitoxantrone (DHAQ). Chloro-substituted mono- and bis[(aminoalkyl)amino]anthraquinones. Zee-Cheng RK, et al. **J Med Chem** 1987 Sep;30(9):1682–6

ADMINISTRATION & DOSAGE

Weekly mitoxantrone therapy of Hodgkin's disease, non-Hodgkin's lymphoma, and chronic lymphocytic leukemia. A Southeastern Cancer Study Group Trial. Keller JW, et al. **Am J Clin Oncol** 1987 Jun;10(3):194–5
Combined mitoxantrone plus doxorubicin in the treatment of breast cancer. Stewart DJ, et al. **Am J Clin Oncol** 1987 Aug;10(4):335–40
Phase II study of high-dose mitoxantrone in the treatment of recurrent squamous cell carcinoma of the head and neck. Stewart DJ, et al. **Am J Clin Oncol** 1987 Aug;10(4):307–9
High-dose cytosine arabinoside and mitoxantrone: a highly effective regimen in refractory acute myeloid leukemia. Hiddemann W, et al. **Blood** 1987 Mar;69(3):744–9
The use of mitoxantrone plus cyclophosphamide as first-line treatment of metastatic breast cancer. Bezwoda WR, et al. **Cancer** 1986 Oct 15;58(8):1621–4
Mitoxantrone, cyclophosphamide, and fluorouracil in metastatic breast cancer unresponsive to hormonal therapy. Holmes FA, et al. **Cancer** 1987 Jun 15;59(12):1992–9
Mitoxantrone, vincristine, and prednisone in adults with relapsed or primarily refractory acute lymphocytic leukemia and terminal deoxynucleotidyl transferase positive blastic phase chronic myelocytic leukemia. Paciucci PA, et al. **Cancer Res** 1987 Oct 1;47(19):5234–7
Intrathecal mitozantrone [letter] Man A, et al. **Lancet** 1987 Feb 7;1(8528):327
Phase-I study of intraperitoneal mitoxantrone—clinical and pharmacokinetic evaluation. Blöchl-Daum B, et al. **Onkologie** 1987 Feb;10(1):54–6
Combination of a long-acting delivery system for luteinizing hormone-releasing hormone agonist with Novantrone chemotherapy: increased efficacy in the rat prostate cancer model. Schally AV, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8764–8
Treatment of acute myeloid leukemia with intermediate-dose cytosine arabinoside and mitoxantrone. Brito-Babapulle F, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):51–2
High-dose cytosine arabinoside in combination with mitoxantrone for the treatment of refractory acute myeloid and lymphoblastic leukemia. Hiddemann W, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):73–7
High-dose cytosine arabinoside and mitoxantrone in high-risk acute nonlymphoblastic leukemia. Sanz MA, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):18–20
[Mitoxantrone-containing combination chemotherapy in patients with non-Hodgkin's lymphoma] Kimura I, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):3034–9 (Eng. Abstr.) **(Jpn)**
[Mitoxantrone as combination chemotherapy in patients with acute leukemia. Tokai Blood Cancer Study Group] Kimura K, et al. **Rinsho Ketsueki** 1986 Sep;27(9):1616–27 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Mitoxantrone and hepatic toxicity [letter] Paciucci PA, et al. **Ann Intern Med** 1986 Nov;105(5):805–6
Reversible bilateral lateral rectus muscle palsy associated with high-dose cytosine arabinoside and mitoxantrone therapy. Ventura GJ, et al. **Cancer** 1986 Oct 15;58(8):1633–5
Cardiotoxicity in patients treated with mitoxantrone: Southwest Oncology Group phase II studies. Mather FJ, et al. **Cancer Treat Rep** 1987 Jun;71(6):609–13
Paraplegia after intrathecal mitozantrone [letter] Lakhani AK, et al. **Lancet** 1986 Dec 13;2(8520):1393
[Cardiotoxicity of mitoxantrone] Okuma K, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):3040–5 (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

Pharmacokinetics of ametantrone acetate (NSC-287513). Kuhn JG, et al. **Cancer Chemother Pharmacol** 1987; 19(2):133–7
Anthracenedione antineoplastic agent effects on drug metabolism in vitro and in vivo: relationship between structure and mechanism of inhibition. Kharasch ED, et al. **Fundam Appl Toxicol** 1987 Jul;9(1):18–25
Anthrapyrazole anticancer agents. Synthesis and structure-activity relationships against murine leukemias. Showalter HD, et al. **J Med Chem** 1987 Jan;30(1):121–31
Teratology studies of ametantrone acetate in rats and rabbits. Petrere JA, et al. **Teratology** 1986 Dec;34(3):271–8

METABOLISM

Membrane transport of mitoxantrone by L1210 leukemia cells. Burns CP, et al. **Biochem Pharmacol** 1987 Mar 15; 36(6):857–60
Poly(I).poly(C), a potential drug carrier for the antitumor agent mitoxantrone: in vitro drug binding study. Eichler HG, et al. **Cancer Chemother Pharmacol** 1987;20(1):81–2
Pharmacokinetics of mitoxantrone in humans following single-agent infusion or intra-arterial injection therapy or combined-agent infusion therapy. Van Belle SJ, et al. **Cancer Chemother Pharmacol** 1986;18(1):27–32
Clinical pharmacology of mitoxantrone. Ehninger G, et al. **Cancer Treat Rep** 1986 Dec;70(12):1373–8
Human autopsy tissue concentrations of mitoxantrone. Stewart DJ, et al. **Cancer Treat Rep** 1986 Nov; 70(11):1255–61
Coupling of mitoxantrone to poly(I).poly(C) reduces absorption after intraperitoneal administration. Eichler HG, et al. **Chemotherapy** 1987;33(3):157–9
Pharmacokinetics of mitoxantrone in man and laboratory animals. Batra VK, et al. **Drug Metab Rev** 1986; 17(3–4):311–29 (28 ref.)
Horseradish peroxidase-catalyzed oxidation of mitoxantrone: spectrophotometric and electron paramagnetic resonance studies. Reszka K, et al. **J Free Radic Biol Med** 1986; 2(1):25–32
[Pharmacokinetic study of mitoxantrone] Ogawa M, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):3028–33 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Effects of mitoxantrone and bisantrene on platelet aggregation and prostaglandin/thromboxane biosynthesis in vitro. Frank P, et al. **Anticancer Res** 1986 Sep-Oct; 6(5):941–7
Inhibition of angiogenesis by the antineoplastic agents mitoxantrone and bisantrene. Polverini PJ, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):901–7
Mitozantrone-induced toxicity and DNA strand breaks in leukaemic cells. Ho AD, et al. **Br J Haematol** 1987 Jan; 65(1):51–5
Effects of mitoxantrone and doxorubicin on energy metabolism of the rat heart. Bachmann E, et al. **Cancer Treat Rep** 1987 Apr;71(4):361–6
Cross-resistance of menogaril and mitoxantrone in a subline of P388 leukemia resistant to doxorubicin. Chandrasekaran B, et al. **Cancer Treat Rep** 1987 Feb;71(2):195–6
Anthracenedione antineoplastic agent effects on drug metabolism in vitro and in vivo: relationship between structure and mechanism of inhibition. Kharasch ED, et al. **Fundam Appl Toxicol** 1987 Jul;9(1):18–25
Morphologic effects of mitoxantrone and a related anthracenedione on lymphoid tissues. Levine S, et al. **Int J Immunopharmacol** 1986;8(8):999–1007
Inhibition of the induction of alloreactivity with mitoxantrone. Wang BS, et al. **Int J Immunopharmacol** 1986;8(8):967–73
Mitoxantrone sensitivity of human hematopoietic cell lines. Roos G. **Leuk Res** 1987;11(6):519–24
A comparison of in vitro sensitivity of acute myeloid leukemia precursors to mitoxantrone, 4'deoxydoxorubicin, 4-demethoxydaunorubicin and daunorubicin. Schölzel C, et al. **Leuk Res** 1986;10(12):1455–9
[A study of antineoplastic activity of DHAQ on human adenocarcinoma cells of lung hepatoma and gastric cancer cells in vitro] Bai SH, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Dec;17(4):284–6 (Eng. Abstr.) **(Chi)**

THERAPEUTIC USE

Selective interactions of verapamil with anthraquinones in adriamycin-sensitive and -resistant murine and human tumour cell lines in vitro. Gibby EM, et al. **Cancer Chemother Pharmacol** 1987;20(1):5–7
Mitoxantrone in advanced cervical carcinoma: a phase II study in patients not previously treated with chemotherapy. Hørding U, et al. **Cancer Treat Rep** 1986 Oct; 70(10):1239–40
Phase II study of mitoxantrone in epithelial ovarian cancer. Lawton F, et al. **Cancer Treat Rep** 1987 Jun;71(6):627–9
Mitoxantrone for carcinoma of the endometrium: a phase II trial of the Gynecologic Oncology Group. Muss HB, et al. **Cancer Treat Rep** 1987 Feb;71(2):217–8
Effect of hyperthermia on the sensitivity of human colon carcinoma cells to mitoxantrone. Wang BS, et al. **Cancer Treat Rep** 1987 Sep;71(9):831–6
Effect of high dose mitozantrone with Cronassial on the Lewis lung carcinoma and L1210 leukaemia. Hellmann K, et al. **Clin Exp Metastasis** 1987 Apr-Jun;5(2):157–63
Suppression of acute and relapsing experimental allergic encephalomyelitis with mitoxantrone. Lublin FD, et al. **Clin Immunol Immunopathol** 1987 Oct;45(1):122–8
Mitozantrone. **Drug Ther Bull** 1986 Sep 8;24(18):71–2
A clinical and pharmacokinetic study of mitoxantrone in acute nonlymphocytic leukemia. Larson RA, et al. **J Clin Oncol** 1987 Mar;5(3):391–7
Hepatic arterial infusion of mitoxantrone in the treatment of primary hepatocellular carcinoma. Shepherd FA, et al. **J Clin Oncol** 1987 Apr;5(4):635–40
Regional suppression, therapy after onset and prevention of relapses in experimental allergic encephalomyelitis by mitoxantrone. Levine S, et al. **J Neuroimmunol** 1986 Dec; 13(2):175–81
Histological findings in the rat prostate cancer model during treatment with a luteinizing hormone-releasing hormone agonist and novantrone. Paz-Bouza JI, et al. **Prostate** 1987; 10(4):291–302
In vitro and in vivo responses of a murine transitional cell carcinoma to doxorubicin, mitoxantrone and aclacinomycin-A. Ballou RJ, et al. **Urol Res** 1986; 14(4):217–22
[Mitoxantrone in metastatic cylindromas. Apropos of a case (letter)] Charrot P, et al. **Bull Cancer (Paris)** 1987;74(1):38–9 **(Fre)**
[Phase II trial of mitoxantrone in patients with relapsed and refractory acute leukemia] Sampi K, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):3021–7 (Eng. Abstr.) **(Jpn)**

TOXICITY

The effect of mitoxantrone treatment in beagle dogs previously treated with minimally cardiotoxic doses of doxorubicin. Tham P, et al. **Am J Pathol** 1987 Jul; 128(1):121–30
Genetic toxicology profile of the new antineoplastic drug mitoxantrone in the mammalian test systems. Manandhar M, et al. **Arzneimittelforschung** 1986 Sep;36(9):1375–9
Comparative in vitro toxicity of mitoxantrone and adriamycin in human granulocyte-macrophage progenitor cells. Mergenthaler HG, et al. **Cancer Chemother Pharmacol** 1987;20(1):8–12
Acute myocardial effects of mitoxantrone in the rabbit. Tumminello FM, et al. **Cancer Treat Rep** 1987 May; 71(5):529–31
In vitro modulation of adriamycin and mitoxantrone cytotoxicity by hyperthermia and diazepam, in human chronic myeloid leukemia cells. Juvekar AS, et al. **Neoplasma** 1987;34(2):199–204
Effect of mitoxantrone on human chronic myeloid leukemia cells in vitro, combined with hyperthermia. Juvekar AS, et al. **Neoplasma** 1986;33(4):477–82
[Experimental study of the subacute toxicity of mitoxantrone and doxorubicin in rats (subcutaneous and/or intraperitoneal route)] Bouhour JB, et al. **Arch Mal Coeur** 1986 Jul;79(8):1238–44 (Eng. Abstr.) **(Fre)**

MITRAL CLICK-MURMUR SYNDROME see **MITRAL VALVE PROLAPSE**

MITRAL VALVE

Outlet strut fracture of the 27 mm convexoconcave Björk-Shiley mitral valve prosthesis. Report of 2 cases. Goovaerts J, et al. **Acta Cardiol (Brux)** 1986;41(4):305–11
Fibrinolytic treatment in thrombotic obstruction of a tilting disc prosthesis. Amann FW, et al. **Am Heart J** 1986 Nov; 112(5):1084–8
Detection of thrombotic obstruction of a Björk-Shiley prosthesis by Doppler echocardiography. Barzilai B, et al. **Am Heart J** 1986 Nov;112(5):1088–90
Correlation of serum lipids, calcium and phosphorus, diabetes mellitus, aortic valve stenosis and history of systemic hypertension with presence or absence of mitral anular calcium in persons older than 62 years in a long-term health care facility. Aronow WS, et al. **Am J Cardiol** 1987 Feb 1;59(4):381–2
Correlation of murmurs of mitral stenosis and mitral regurgitation with presence or absence of mitral anular calcium in persons older than 62 years in a long-term health care facility. Aronow WS, et al. **Am J Cardiol** 1987 Jan 1;59(1):181–2
Mitral valve myxoma diagnosed by two-dimensional echocardiography. Barold SS, et al. **Am J Cardiol** 1987 Jan 1;59(1):182–3
Echocardiographic diagnosis of outlet strut fracture of a Björk-Shiley prosthesis in the mitral position. Chandra R, et al. **Am J Cardiol** 1986 Nov 15;58(11):1117–8
Hemodynamic evaluation of porcine bioprostheses in the mitral position by Doppler echocardiography. Fawzy ME, et al. **Am J Cardiol** 1987 Mar 1;59(6):643–6

Echocardiographic and electrocardiographic characteristics of patients with hypertrophic cardiomyopathy with and without mitral anular calcium. Nair CK, et al. **Am J Cardiol** 1987 Jun 1;59(15):1428–30

Accurate patient diagnosis of acute porcine valve failure. Voyce SJ, et al. **Arch Intern Med** 1987 Mar;147(3):585–6

Postinflammatory mitral and aortic valve prolapse: a clinical and pathological study. Tomaru T, et al. **Circulation** 1987 Jul;76(1):68–76

Acute rupture of myxomatous mitral valve presenting as refractory cardiopulmonary arrest. Ferguson DW, et al. **J Am Coll Cardiol** 1987 Jan;9(1):215–20

Diagnosis of mitral valve perforation by real-time two-dimensional Doppler flow imaging technique. Miyatake K, et al. **J Am Coll Cardiol** 1986 Nov;8(5):1235–9

Systolic time intervals in mitral and aortic valve disease. Chaudhry RK, et al. **J Indian Med Assoc** 1986 May; 84(5):139–41

Sclero-calcific mitral valve changes in patients with chronic renal failure on haemodialysis. D'Cruz IA, et al. **J R Coll Physicians Lond** 1987 Apr;21(2):143–7 (17 ref.)

Six-year experience with the St. Jude Medical prosthesis: early and late results of 540 valves in 462 patients. Nakano K, et al. **Jpn Circ J** 1987 Mar;51(3):275–83

Mitral subannular left ventricular aneurysm. A case report. Edelstein CL, et al. **S Afr Med J** 1987 Jan 24;71(2):114–5

Left ventricular outflow tract obstruction due to mitral annulus calcification in patient with mild concentric left ventricular hypertrophy. Matsuo N, et al. **Sangyo Ika Daigaku Zasshi** 1986 Sep 1;8(3):331–7

Thrombosis of a mechanical valve prosthesis late in pregnancy. Case report and review of the literature. González-Santos JM, et al. **Thorac Cardiovasc Surg** 1986 Oct;34(5):335–7

Streptokinase treatment of thrombosed mitral valve prosthesis monitored by Doppler ultrasound. Koblic M, et al. **Thorac Cardiovasc Surg** 1986 Oct;34(5):333–4

[Mechanical disinsertion of valve prostheses] Cormier B, et al. **Ann Chir** 1987;41(2):130–4 (Eng. Abstr.) **(Fre)**

[Tissue degeneration of bioprostheses] Durán CM, et al. **Ann Chir** 1987;41(2):170–2 (Eng. Abstr.) **(Fre)**

[Endocarditis on valve prostheses. Epidemiologic data and severity factors] Rioux C, et al. **Ann Chir** 1987;41(2):143–5 (Eng. Abstr.) **(Fre)**

[Evaluation of the Ionescu-Shiley valve. 7 years' results] Vermeulen F, et al. **Ann Chir** 1987;41(2):164–9 (Eng. Abstr.) **(Fre)**

[Acute mitral endocarditis in a 4-month-old infant] Iselin M, et al. **Arch Fr Pediatr** 1986 Aug-Sep;43(7):497–9 (Eng. Abstr.) **(Fre)**

[Mycotic intracranial aneurysm in infective endocarditis of the mitral valve] Trappe HJ, et al. **Z Kardiol** 1986 Nov; 75(11):691–4 (Eng. Abstr.) **(Ger)**

[Hepatic injury in mitral valvular cardiopathy. Clinical and diagnostic aspects] Zambon G, et al. **Minerva Med** 1987 Jan 31;78(2):79–87 (Eng. Abstr.) **(Ita)**

[Incidence of active rheumatism (myocarditis and valvulitis) in chronic rheumatic mitral valvulopathy. Clinico-morphologic study] Agozzino L, et al. **Pathologica** 1986 Jul-Aug;78(1056):459–67 (Eng. Abstr.) **(Ita)**

[A case of mitral valve aneurysm associated with mitral valve prolapse syndrome] Nojiri C, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Aug;34(8):1204–8 (Eng. Abstr.) **(Jpn)**

[Left ventricular myxoma originating in the posterior leaflet of the mitral valve: a case report] Tomizawa Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Feb;35(2):256–9 (Eng. Abstr.) **(Jpn)**

[Calcinosis of the mitral ring] Lacheta W, et al. **Wiad Lek** 1986 Sep 1;39(17):1153–8 (Eng. Abstr.) **(Pol)**

[Status of the hemodynamics in puerperal women with combined rheumatic mitral defects following different methods of delivery] Serov VN, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):33–4 **(Rus)**

[Aspergillotic septic endocarditis of the mitral and trigeminal valves as a complication of silicotuberculosis] Vasin VA, et al. **Arkh Patol** 1987;49(1):50–3 (Eng. Abstr.) **(Rus)**

[Case of successful repeated mitral valve prosthesis as a result of malfunction of a disk prosthesis] Kosach GA, et al. **Grudn Khir** 1986 Jul-Aug;(4):89–91 **(Rus)**

[Echocardiography in the diagnosis of paravalvular fistulae in mitral prosthesis] Zaretskiĭ VV, et al. **Kardiologiia** 1986 Jun;26(6):71–3 (Eng. Abstr.) **(Rus)**

[Functional possibilities and physical capacity of patients with mitral lesions of the heart] Dziak GV, et al. **Ter Arkh** 1986; 58(11):76–9 (Eng. Abstr.) **(Rus)**

[Segmental contractility and geometry of the left ventricle of patients with isolated lesions of the mitral valve] Tkachenko VM. **Ter Arkh** 1986;58(11):79–83 (Eng. Abstr.) **(Rus)**

[M mode echocardiography in mitral annulus calcification] Piñeiro DJ, et al. **Medicina (B Aires)** 1985;45(3):257–62 (Eng. Abstr.) **(Spa)**

[Calcification of the mitral annulus: clinical and echocardiographic aspects] Pinto M, et al. **Rev Med Chil** 1986 Nov;114(11):1021–8 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Doppler echocardiographic confirmation of recurrent atrial septal defect stenosis in infants with mitral valve atresia. Fyfe DA, et al. **Am J Cardiol** 1987 Aug 1;60(4):410–1

Accessory mitral valve tissue causing left ventricular outflow obstruction (two-dimensional echocardiographic diagnosis and surgical approach). Ascuitto RJ, et al. **Ann Thorac Surg** 1986 Nov;42(5):581–4

Hypoplastic left heart syndrome: a simplified palliative operation. Sade RM, et al. **Ann Thorac Surg** 1987 Mar; 43(3):309–12

Hamartomatous malformation in the mitral valve's anterior leaflet. Challener RC, et al. **Arch Pathol Lab Med** 1987 Oct;111(10):994–7

Anomalous mitral arcade: a rare cause of mitral valve disease in an adult. Myers ML, et al. **Can J Cardiol** 1987 Mar; 3(2):60–2

Anomalies associated with the parachute mitral valve: a pathologic analysis of 52 cases. Tandon R, et al. **Can J Cardiol** 1986 Sep-Oct;2(5):278–81

Innovative palliative surgical procedure for hypoplastic left-heart syndrome. Lau HY, et al. **Can J Surg** 1987 Mar; 30(2):129–31

Surgical experience with reparative techniques in patients with congenital mitral valvular anomalies. Coles JG, et al. **Circulation** 1987 Sep;76(3 Pt 2):III117–22

Problems in the modified Fontan operation for univentricular heart of the right ventricular type. Matsuda H, et al. **Circulation** 1987 Sep;76(3 Pt 2):III45–52

Complete atrioventricular block in Shone's syndrome. Shalev Y, et al. **Clin Cardiol** 1987 Jan;10(1):65–7

Aortic and mitral discontinuity with congenital subaortic aneurysm and normally connected great arteries: echocardiographic diagnosis in life. Andrade JL, et al. **Int J Cardiol** 1987 Jan;14(1):95–9

Mitral atresia with premature closure of the oval foramen, right-sided levoatriocardinal vein and thrombus formation in the left atrium. Beitzke A, et al. **Int J Cardiol** 1987 Feb; 14(2):221–4

Accessory mitral valve tissue causing left ventricular outflow tract obstruction. Szedö F, et al. **J Cardiovasc Surg (Torino)** 1987 Jul-Aug;28(4):388–90

Double orifice mitral valve associated with endocardial cushion defect. Anzai N, et al. **Jpn Circ J** 1986 May; 50(5):455–8

Single papillary muscle of the left ventricle associated with persistent common atrioventricular canal: variant of parachute mitral valve. Tandon R, et al. **Pediatr Cardiol** 1986;7(2):111–4

[Isolated congenital mitral valve cleft. An unusual cause of mitral valve regurgitation in adulthood] Hrudová J, et al. **Cas Lek Cesk** 1987 Mar 13;126(11):349–51 (Eng. Abstr.) **(Cze)**

[An unusual protodiastolic bruit: the click of an aberrant mitral cord] Jaeger M, et al. **Arch Mal Coeur** 1986 Nov; 79(12):1806–9 (Eng. Abstr.) **(Fre)**

[Mitral atresia. Anatomical aspects] Toussaint M, et al. **Arch Mal Coeur** 1987 Apr;80(4):428–33 (Eng. Abstr.) **(Fre)**

[Mitral valve dysplasia as a cardiac surgery problem (a clinico-morphological comparison)] Konstantinov BA, et al. **Kardiologiia** 1987 Jun;27(6):19–23 (Eng. Abstr.) **(Rus)**

[Transluminal aortic valvuloplasty in a patient with severe aortic stenosis and double congenital mitral lesion] Medina A, et al. **Rev Esp Cardiol** 1987 Mar-Apr;40(2):142–4 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Preoperative two-dimensional echocardiographic prediction of prosthetic aortic and mitral valve size in children. Caldwell RL, et al. **Am Heart J** 1987 Apr;113(4):873–8

Simplified echocardiographic measurement of the mitral anulus. Vijayaraghavan G, et al. **Am Heart J** 1986 Nov; 112(5):985–91

The relationship of mitral annular shape to the diagnosis of mitral valve prolapse. Levine RA, et al. **Circulation** 1987 Apr;75(4):756–67

[2-dimensional echocardiography study of borderline aspects between the normal mitral valve and mitral valve prolapse] Antonelli G, et al. **Cardiologia** 1986 Jun;31(6):435–41 (Eng. Abstr.) **(Ita)**

DRUG EFFECTS

Effect of nitroglycerin during hemodynamic estimation of valve orifice in patients with mitral stenosis. Halperin JL, et al. **J Am Coll Cardiol** 1987 Aug;10(2):342–8

MICROBIOLOGY

[A case of severe septic endocarditis with an isolated lesion of the mitral valve and its perforation] Zetilov VB, et al. **Klin Med (Mosk)** 1986 Jul;64(7):132–4 **(Rus)**

PATHOLOGY

Mitral annulus calcification and embolism. Jespersen CM, et al. **Acta Med Scand** 1987;222(1):37–41

Mechanisms of severe mitral regurgitation in mitral valve prolapse determined from analysis of operatively excised valves. Roberts WC, et al. **Am Heart J** 1987 May; 113(5):1316–23

Correlation of atrial fibrillation with presence or absence of mitral anular calcium in 604 persons older than 60 years. Aronow WS, et al. **Am J Cardiol** 1987 May 1;59(12):1213–4

In vitro analysis of mechanisms of balloon valvuloplasty of stenotic mitral valves. Kaplan JD, et al. **Am J Cardiol** 1987 Feb 1;59(4):318–23

Native-valve endocarditis caused by Staphylococcus epidermidis. A histologically confirmed case. Littenberg B, et al. **Am J Clin Pathol** 1987 Mar;87(3):408–10

Calcification of the mitral annulus fibrosus with systemic embolization. A clinicopathologic study of 16 cases. Lin CS, et al. **Arch Pathol Lab Med** 1987 May;111(5):411–4

Hemodynamic profile of mitral stenosis. Correlation with valve area. Bassan R, et al. **Arq Bras Cardiol** 1986 Jul; 47(1):41–8

A comparison of the assessment of mitral valve area by continuous wave Doppler and by cross sectional echocardiography. Loperfido F, et al. **Br Heart J** 1987 Apr;57(4):348–55

Assessment by cross sectional echocardiography of surgical "mitral valve" disease in children and adolescentsOrtiz E, et al. **Br Heart J** 1986 Sep;56(3):267–71

Atrial extension of mitral annular calcification mimicking intracardiac tumor. Teja K, et al. **Clin Cardiol** 1987 Sep; 10(9):546–8

A study of the correlation between Doppler and cross-sectional echocardiography in the determination of the mitral valve area. Friart A, et al. **Eur Heart J** 1987 May;8(5):484–9

Surgical pathology of the mitral valve: a study of 712 cases spanning 21 years. Olson LJ, et al. **Mayo Clin Proc** 1987 Jan;62(1):22–34

Idiopathic calcification of the mitral valve. Bierhoff E, et al. **Pathol Res Pract** 1987 Apr;182(2):261–4

[Mitral valvular disease secondary to mitral ring calcification: a clinicopathologic study] Suzuki J, et al. **J Cardiogr** 1985 Dec;15(4):1109–18 (Eng. Abstr.) **(Jpn)**

[Clinical and anatomical evaluations of Manouguian's procedure] Okabe H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Nov; 34(11):1884–91 (Eng. Abstr.) **(Jpn)**

[Calcification of the mitral annulus. Anatomoclinical study] Mordeglia F, et al. **Medicina (B Aires)** 1985;45(2):129–36 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

A simplified mitral valve method for two-dimensional echo Doppler blood flow calculation: validation in an open-chest canine model and initial clinical studies. Meijboom EJ, et al. **Am Heart J** 1987 Feb;113(2 Pt 1):335–40

The equilibrium position of the mitral valve: an accurate model of mitral valve motion in humans. Binkley PF, et al. **Am J Cardiol** 1987 Jan 1;59(1):109–13

Effect of aging on left ventricular diastolic filling in normal subjects. Bryg RJ, et al. **Am J Cardiol** 1987 Apr 15; 59(9):971–4

Pressure-flow relations across the normal mitral valve. Jawad IA, et al. **Am J Cardiol** 1987 Apr 1;59(8):915–8

Limits of reproducibility of blood flow measurements by Doppler echocardiography. Meijboom EJ, et al. **Am J Cardiol** 1987 Jan 1;59(1):133–7

Phasic mitral blood flow and regional left ventricular dimensions: possible mechanism of active assist to ventricular filling. Bertha BG, et al. **Circulation** 1986 Oct; 74(4):901–11

Sequence of mitral valve motion and transmitral blood flow during manual cardiopulmonary resuscitation in dogs. Feneley MP, et al. **Circulation** 1987 Aug;76(2):363–75

Mitral valve echocardiogram as a reflector of left ventricular function. Sinha KK, et al. **J Indian Med Assoc** 1987 Apr; 85(4):99–101

Importance of the mitral complex in left ventricular contraction--an analysis of the results of mitral valve replacement with preservation of the posterior mitral complex. Yagyu K, et al. **Thorac Cardiovasc Surg** 1987 Jun; 35(3):166–71

[Léon Fredericq and the descending portion of the second positive wave (1st systolic wave) of the venous pulse: the negative cd or X wave in current nomenclature] Troquet J. **Arch Int Physiol Biochim** 1986 Nov;94(4):281–4 (Eng. Abstr.) **(Fre)**

[Relation of mitral valve motion to left ventricular end-diastolic pressure assessed by M-mode echocardiography] Ohte N, et al. **J Cardiogr** 1986 Mar; 16(1):115–20 (Eng. Abstr.) **(Jpn)**

[Mechanism of systolic anterior motion of the mitral valve in dogs] Otsuji Y, et al. **J Cardiogr** 1985 Dec;15(4):995–1002 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

An integrated mechanism for systolic anterior motion of the mitral valve in hypertrophic cardiomyopathy based on echocardiographic observations. Jiang L, et al. **Am Heart J** 1987 Mar;113(3):633–44

Variable responses of mitral valve motion and flow in systemic hypertension and in idiopathic dilated cardiomyopathy. Douglas PS, et al. **Am J Cardiol** 1987 Aug 1;60(4):363–7

Echocardiographic and hemodynamic correlates of diastolic closure of mitral valve and diastolic opening of aortic valve in severe aortic regurgitation. Meyer T, et al. **Am J Cardiol** 1987 May 1;59(12):1144–8

Systolic anterior motion of the mitral valve in patients with hypertrophic cardiomyopathy. Disappearance after

treatment with amiodarone. Enia F, et al. **Chest** 1987 Feb; 91(2):277–8

Characteristic pulsed Doppler findings in patients with flail mitral valve. Habbab MA, et al. **Chest** 1987 Apr;91(4):571–4

The mitral valve mechanism with normal and prolapsed leaflets in the light of a dynamic model. Bryhn M, et al. **Clin Cardiol** 1986 Oct;9(10):483–6

Midventricular obstruction—a form of hypertrophic obstructive cardiomyopathy—and systolic anterior motion of the mitral valve [published erratum appears in Clin Cardiol 1987 May;10(5):A45] Sheikhzadeh A, et al. **Clin Cardiol** 1986 Dec;9(12):607–13

Echocardiography in mitral valve disease: a review. Graf JH, et al. **Int J Card Imaging** 1985;1(3):189–205 (126 ref.)

Relative contributions of the anterior and posterior mitral chordae tendineae to canine global left ventricular systolic function [published erratum appears in J Thorac Cardiovasc Surg 1987 May;93(5):793] Hansen DE, et al. **J Thorac Cardiovasc Surg** 1987 Jan;93(1):45–55

The mitral valve in hypertrophic cardiomyopathy—an echocardiographic approach. Madeira HC. **Postgrad Med J** 1986 Jun;62(728):563–6

Mitral valve abnormalities and catecholamine activity in anxious patients. Dager SR, et al. **Psychiatry Res** 1987 Jan; 20(1):13–8

[Doppler echocardiography determination of the pressure gradient and valve orifice area in mitral valve stenosis] Kraus F, et al. **Herz** 1986 Dec;11(6):323–6 (Eng. Abstr.) **(Ger)**

[Mitral stenosis of the postoperative state evaluated by echocardiography] Hibi N, et al. **J Cardiogr** 1986 Jun; 16(2):417–26 (Eng. Abstr.) **(Jpn)**

[Pressure gradient across the mitral valve in mitral stenosis estimated by high pulse repetition frequency Doppler method] Miyazawa S, et al. **J Cardiogr** 1986 Jun; 16(2):445–55 (Eng. Abstr.) **(Jpn)**

[Diastolic left ventricular pressure–mitral valve flow velocity curve: influence of heart rate change induced by atrial pacing] Nakaya S, et al. **J Cardiogr** 1986 Jun;16(2):407–16 (Eng. Abstr.) **(Jpn)**

[Continuous wave Doppler measurement of transmitral pressure gradients in mitral stenosis: comparisons with simultaneous catheterization measurements] Tei C, et al. **J Cardiogr** 1985 Dec;15(4):1097–107 (Eng. Abstr.) **(Jpn)**

[Pre–and postoperative comparative studies of mitral stenosis between the group of open mitral commissurotomy and mitral valve replacement—the assessment of quality of cardiac and valve function by dynamic exercise] Yokoyama H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Nov; 34(11):1921–30 (Eng. Abstr.) **(Jpn)**

[Echogram of an artificial mitral valve in one– and two–dimensional recordings] Kostkiewicz M, et al. **Kardiol Pol** 1986;29(9):613–24 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Giant right atrium after mitral valve replacement: plain film findings in 15 patients. Rubin SA, et al. **AJR** 1987 Aug; 149(2):257–60

Demonstration of mitral and aortic valves by ultrafast computed tomography. Rees MR, et al. **J Comput Tomogr** 1987 Apr;11(2):190–2

Disc embolization of Björk–Shiley mitral prosthesis without strut fracture. McGeehin WH, et al. **J Thorac Cardiovasc Surg** 1986 Oct;92(4):795–6

[Value of computerized tomography of the heart in the selection of the surgical treatment method in mitral valve stenosis] Bornakowski J, et al. **Kardiol Pol** 1986; 29(9):604–12 (Eng. Abstr.) **(Pol)**

SURGERY

Reparative operations for mitral valve incompetence: an emerging treatment of choice. Bashour TT, et al. **Am Heart J** 1987 May;113(5):1199–206 (46 ref.)

Hemolytic anemia and acute mitral regurgitation caused by a torn cusp of a porcine mitral prosthetic valve 7 years after its implantation. Schaer DH, et al. **Am Heart J** 1987 Feb;113(2 Pt 1):404–6

Isolated replacement of a prosthesis or a bioprosthesis in the mitral valve position. Antunes MJ, et al. **Am J Cardiol** 1987 Feb 1;59(4):346–9

Extensive calcification of a bioprosthesis in the tricuspid valve position and minimal calcification of a simultaneously implanted bioprosthesis in the mitral valve position. Barbour DJ, et al. **Am J Cardiol** 1987 Jan 1;59(1):179–80

Mechanism of percutaneous mitral valvotomy. Block PC, et al. **Am J Cardiol** 1987 Jan 1;59(1):178–9

Doppler echocardiographic evaluation of ring mitral valvuloplasty for pure mitral regurgitation. Kenny J, et al. **Am J Cardiol** 1987 Feb 1;59(4):341–5

Changes in intrathoracic pressures induced by positive end–expiratory pressure ventilation after cardiac surgical procedures. Bonnet F, et al. **Ann Thorac Surg** 1986 Oct; 42(4):406–11

Mitral and tricuspid valve repair. Cohn LH. **Ann Thorac Surg** 1987 May;43(5):572–3

Atrioventricular valve repair or replacement in atriopulmonary anastomosis: surgical considerations. Vargas FJ, et al. **Ann Thorac Surg** 1987 Apr;43(4):403–5

Suture technique in preventing dehiscence of prosthetic mitral valves. Stiles GM, et al. **Arch Surg** 1986 Oct; 121(10):1136–40

Myasthenia gravis and cardiac surgery. A case report. Aps C, et al. **Br J Anaesth** 1987 Feb;59(2):265–8

Mitral valve reconstruction versus prosthetic valve replacement. Pluth JR. **Cardiovasc Clin** 1987;17(3):127–39 (49 ref.)

Stuck prosthetic valve caused by pyrolytic carbon disk wear [letter] Tomizawa Y, et al. **Chest** 1987 May;91(5):798

Reconstruction of the mitral anulus. David TE, et al. **Circulation** 1987 Sep;76(3 Pt 2):III102–7

Surgery for mitral regurgitation. Repair versus valve replacement. Krayenbuehl HP. **Eur Heart J** 1986 Aug; 7(8):638–43

Combined aortic, mitral and tricuspid surgery: results in 78 patients. Michel PL, et al. **Eur Heart J** 1987 May; 8(5):457–63

Early cardiac valve replacement in infective endocarditis: a 10–year experience. Suryapranata H, et al. **Eur Heart J** 1987 May;8(5):464–70

Doppler ultrasound examination of prosthetic function and ventricular blood flow after mitral valve replacement. Omoto R, et al. **Herz** 1986 Dec;11(6):346–50

Diaphragmatic palsy following open heart surgery. Gupta V, et al. **Indian Heart J** 1986 Mar–Apr;38(2):124–8

A sampling study of bedside nursing activity in a cardiac surgical intensive care unit. Part 2. The effect of time and shift on the nursing workload. Crew AD, et al. **Intensive Care Med** 1987;13(3):192–8

Mitral valvuloplasty is superior to valve replacement for preservation of left ventricular function: an intraoperative two–dimensional echocardiographic study. Goldman ME, et al. **J Am Coll Cardiol** 1987 Sep;10(3):568–75

Strut fracture of a Björk–Shiley mitral valve prosthesis with successful reoperation. Nakano S, et al. **J Cardiovasc Surg (Torino)** 1986 Nov–Dec;27(6):685–7

Valvuloplasty for rheumatic mitral valve disease. A surgical challenge. Antunes MJ, et al. **J Thorac Cardiovasc Surg** 1987 Jul;94(1):44–56

Submitral left ventricular aneurysms. Correction by a new transatrial approach. Antunes MJ. **J Thorac Cardiovasc Surg** 1987 Aug;94(2):241–5

Bar calcification of the mitral anulus. A risk factor in mitral valve operations. Cammack PL, et al. **J Thorac Cardiovasc Surg** 1987 Sep;94(3):399–404

Assessment of repair in mitral reconstruction [letter] Eufrate SA. **J Thorac Cardiovasc Surg** 1986 Oct;92(4):804–5

Mitral valvuloplasty and repair for infective endocarditis. Fleisher AG, et al. **J Thorac Cardiovasc Surg** 1987 Feb; 93(2):311–5

Mechanical failure of the Björk–Shiley valve. Incidence, clinical presentation, and management. Lindblom D, et al. **J Thorac Cardiovasc Surg** 1986 Nov;92(5):894–907

Reconsiderations of indications for open mitral commissurotomy based on pathologic features of the stenosed mitral valve. A fourteen–year follow–up study in 347 consecutive patients. Nakano S, et al. **J Thorac Cardiovasc Surg** 1987 Sep;94(3):336–42

The feasibility of closed mitral valvotomy in pregnancy. Vosloo S, et al. **J Thorac Cardiovasc Surg** 1987 May; 93(5):675–9

Valve failure caused by cusp tears in low–profile Ionescu–Shiley bovine pericardial bioprosthetic valves. Walley VM, et al. **J Thorac Cardiovasc Surg** 1987 Apr; 93(4):583–6

Patterns of failure in Ionescu–Shiley bovine pericardial bioprosthetic valves. Walley VM, et al. **J Thorac Cardiovasc Surg** 1987 Jun;93(6):925–33

Actuarial analysis of reoperation in patients undergoing open mitral commissurotomy for mitral stenosis. Nakano S, et al. **Jpn Circ J** 1986 Sep;50(9):877–9

Long term results of mitral commissurotomy. Tanaka M, et al. **Jpn Circ J** 1986 Sep;50(9):865–70

Cineradiographic functional evaluation of the Björk–Shiley monostrut prosthesis. A follow–up study of 46 consecutive patients. Albrechtsson UG, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(1):91–5

Estimation of the operative risk of mitral valve replacement by multivariate logistic regression analysis. Holper K, et al. **Thorac Cardiovasc Surg** 1987 Feb;35(1):33–41

Mitral valve replacement in a patient with sickle cell anaemia. McGovern E, et al. **Thorac Cardiovasc Surg** 1987 Apr; 35(2):129–30

The use of glycerol–treated homologous pericardium as a substitute for cusps and chordae tendineae of the mitral valve in sheep. Vetter HO, et al. **Thorac Cardiovasc Surg** 1987 Feb;35(1):11–5

[Percutaneous balloon mitral valvuloplasty (PBMV)] Chen CR, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Dec;14(6):321–3, 379 (Eng. Abstr.) **(Chi)**

[Disk dislodgement and embolization of a Björk–Shiley mitral valve prosthesis] Steiner I, et al. **Cesk Patol** 1987 Mar; 23(1):5–7 (Eng. Abstr.) **(Cze)**

[Decrease of the operative risk in reinterventions on valve prostheses] Perier P, et al. **Ann Chir** 1987;41(2):126–9 (Eng. Abstr.) **(Fre)**

[Double valve replacement in a 30–year–old man with acute systemic lupus erythematosus] Gryman R, et al. **Ann Med Interne (Paris)** 1987;138(2):105–8 (Eng. Abstr.) **(Fre)**

[Intraoperative evaluation of mitral valve reconstruction using two–dimensional contrast echocardiography] Viossat J, et al. **Arch Mal Coeur** 1986 Sep;79(10):1475–9 (Eng. Abstr.) **(Fre)**

[Physical fitness improves after mitral valve replacement] Habel–Verge C, et al. **Can Med Assoc J** 1987 Jan 15; 136(2):142–7 (Eng. Abstr.) **(Fre)**

[Left retroatrial intrapericardial septated hematoma. A rare etiology of anemia after cardiac surgery (letter)] Schurtz C, et al. **Presse Med** 1987 Mar 14;16(9):444 **(Fre)**

[Modified substitution of intracellular cations] von Bormann B, et al. **Anaesthesist** 1987 Jan;36(1):26–33 (Eng. Abstr.) **(Ger)**

[Effect of tricuspid annuloplasty on the clinical course following mitral or aortic valve operation] Brilla C, et al. **Z Kardiol** 1987 Apr;76(4):247–52 (Eng. Abstr.) **(Ger)**

[Doppler echocardiography normal values in various types of mitral valve prostheses] Curtius JM, et al. **Z Kardiol** 1987 Jan;76(1):25–9 (Eng. Abstr.) **(Ger)**

[Bioprosthetic valvular dysfunction in mitral position—analysis of 10 cases] Abe K, et al. **Kyobu Geka** 1987 May;40(6):462–5 (Eng. Abstr.) **(Jpn)**

[Concentric stent–post creeping of porcine xenografts in mitral position] Akiyama K, et al. **Kyobu Geka** 1986 Dec; 39(12):953–5 (Eng. Abstr.) **(Jpn)**

[Valve replacement with Medtronic–Hall valve] Asano K, et al. **Kyobu Geka** 1987 Apr;40(5):383–8 (Eng. Abstr.) **(Jpn)**

[Replacement of prosthetic heart valves] Asano K, et al. **Kyobu Geka** 1986 Oct;39(10):757–65 (Eng. Abstr.) **(Jpn)**

[A successful surgical treatment of prosthetic valve endocarditis due to Salmonella species] Irisawa A, et al. **Kyobu Geka** 1987 Feb;40(2):152–8 (Eng. Abstr.) **(Jpn)**

[A case of successful combined cardiac valve replacement associated with constrictive pericarditis] Mizuhara A, et al. **Kyobu Geka** 1987 Feb;40(3):234–6 (Eng. Abstr.) **(Jpn)**

[Combined valvular and coronary artery surgery] Nakai Y, et al. **Kyobu Geka** 1986 Nov;39(11):841–9 (Eng. Abstr.) **(Jpn)**

[Acute cardiogenic shock in prosthetic valve endocarditis in the mitral position] Ohtaki M, et al. **Kyobu Geka** 1987 Feb;40(2):141–4 (Eng. Abstr.) **(Jpn)**

[Dysfunction of the Bicer val mitral prosthesis—emergency operation with survival] Tomizawa Y, et al. **Kyobu Geka** 1986 Dec;39(12):993–5 (Eng. Abstr.) **(Jpn)**

[Follow–up study of atrial fibrillation associated with mitral stenosis after D–C cardioversion following open mitral commissurotomy] Sato S, et al. **Nippon Geka Gakkai Zasshi** 1986 Nov;87(11):1491–7 (Eng. Abstr.) **(Jpn)**

[Acute hemodynamic changes following mitral valve surgery] Kawauchi M. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Mar;35(3):307–17 (Eng. Abstr.) **(Jpn)**

[The influence of additional topical heart cooling on the effectiveness of myocardial cardioplegic protection during mitral valve replacement] Dyszkiewicz W, et al. **Kardiol Pol** 1986;29(2):96–102 (Eng. Abstr.) **(Pol)**

[The usefulness of M–mode and two–dimensional echocardiography in the evaluation of early and late results of mitral commissurotomy] Moczak R, et al. **Kardiol Pol** 1986;29(2):103–13 (Eng. Abstr.) **(Pol)**

[Experimental and clinical evaluation of the Hall–Kaster mitral valve prosthesis] Konstantinov BA, et al. **Grudn Khir** 1987 May–Jun;(3):8–12 (Eng. Abstr.) **(Rus)**

[Reconstruction of the mitral valve in avulsion of the chordae from the anterior cusp] Skopin II, et al. **Grudn Khir** 1986 Nov–Dec;(6):80–2 **(Rus)**

[Quantitative dynamic assessment of their physical status as a result of sinus rhythm recovery in patients after mitral commissurotomy] Bendet IaA, et al. **Kardiologiia** 1987 Jun; 27(6):45–7 (Eng. Abstr.) **(Rus)**

[Changes in the hemodynamics and work capacity of patients following mitral commissurotomy] Romanenko VV. **Kardiologiia** 1987 Jun;27(6):47–50 (Eng. Abstr.) **(Rus)**

[Treatment of disorders in the lesser circulation following closed mitral commissurotomy by the combined use of cordanum and sodium nitroprusside] Kleinerman VE, et al. **Vestn Khir** 1986 Oct;137(10):116–9 (Eng. Abstr.) **(Rus)**

[Treatment of infectious endocarditis with trimethoprim–sulfamethoxazole and cardiac surgery] Tokatli A, et al. **Mikrobiyol Bul** 1986 Jul;20(3):196–9 (Eng. Abstr.) **(Tur)**

MITRAL VALVE INSUFFICIENCY

COMPLICATIONS

Correlation of murmurs of mitral stenosis and mitral regurgitation with presence or absence of mitral anular calcium in persons older than 62 years in a long–term health care facility. Aronow WS, et al. **Am J Cardiol** 1987 Jan 1;59(1):181–2

[Significance of the bicuspid aortic valve in the incidence of aortic valve defects in adults] Turina J, et al. **Schweiz Med Wochenschr** 1986 Nov 1;116(44):1518–23 (Eng. Abstr.) **(Ger)**

CONGENITAL

Surgical experience with reparative techniques in patients with congenital mitral valvular anomalies. Coles JG, et al. **Circulation** 1987 Sep;76(3 Pt 2):III117–22

[Mitral valve replacement in infancy] Yamaguchi M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jul;34(7):1040–7

(Eng. Abstr.) (Jpn)

DIAGNOSIS

The murmur of papillary muscle dysfunction in acute myocardial infarction: clinical features and prognostic implications. Maisel AS, et al. **Am Heart J** 1986 Oct; 112(4):705–11

Usefulness of echocardiographic evidence of pericardial effusion and mitral regurgitation during the acute stage in predicting development of coronary arterial aneurysms in the late stage of Kawasaki disease. Gidding SS, et al. **Am J Cardiol** 1987 Jul 1;60(1):76–9

Evidence for progression from mild to severe mitral regurgitation in mitral valve prolapse. Kolibash AJ Jr, et al. **Am J Cardiol** 1986 Oct 1;58(9):762–7

Pulsed Doppler echocardiographic analysis of mitral regurgitation after myocardial infarction. Loperfido F, et al. **Am J Cardiol** 1986 Oct 1;58(9):692–7

Intraoperative Doppler color flow mapping for assessment of valve repair for mitral regurgitation. Maurer G, et al. **Am J Cardiol** 1987 Aug 1;60(4):333–7

Predictability of mitral regurgitation detected by Doppler echocardiography in patients referred for cardiac transplantation. Strauss RH, et al. **Am J Cardiol** 1987 Apr 1;59(8):892–4

Color Doppler assessment of mitral regurgitation induced by supine exercise in patients with coronary artery disease. Zachariah ZP, et al. **Am J Cardiol** 1987 Jun 1; 59(15):1266–70

Accurate patient diagnosis of acute porcine valve failure. Voyce SJ, et al. **Arch Intern Med** 1987 Mar;147(3):585–6

Magnetic resonance assessment of aortic and mitral regurgitation. Underwood SR, et al. **Br Heart J** 1986 Nov; 56(5):455–62

Color Doppler assessment of mitral regurgitation with orthogonal planes. Helmcke F, et al. **Circulation** 1987 Jan; 75(1):175–83

The use of two-dimensional and Doppler echocardiography in assessing mitral regurgitation and segmental contractility disturbances in patients with dilated cardiomyopathy and ischaemic heart disease. Mukharliamov NM, et al. **Cor Vasa** 1986;28(6):395–403

Analysis of methodology for quantifying mitral regurgitation by Doppler echocardiography. Nitter-Hauge S, et al. **Herz** 1986 Dec;11(6):327–31

Mitral regurgitation and lateral Q waves. Hancock EW. **Hosp Pract [Off]** 1986 Nov 15;21(11):49, 52

Pitfalls in the diagnosis of periprosthetic valvular regurgitation by pulsed Doppler echocardiography. Come PC. **J Am Coll Cardiol** 1987 May;9(5):1176–9

Clinical significance of early or mid-systolic apical murmurs: analysis by phonocardiography, two-dimensional echocardiography and pulsed Doppler echocardiography. Amano K, et al. **J Cardiogr** 1986 Jun;16(2):433–43

Fetal alcohol syndrome and myasthenia gravis. Dahl-Regis MM, et al. **J Natl Med Assoc** 1986 Nov;78(11):1111, 1115–7

[Preoperative clinical and hemodynamic characteristics of patients with mitral valve defects subjected to valve prosthesis] Pelov R, et al. **Vutr Boles** 1987;26(3):27–33 (Eng. Abstr.) (Bul)

[Preoperative assessment of the functional capacity of patients with a mitral defect] Terzieva L. **Vutr Boles** 1986; 25(3):74–85 (Eng. Abstr.) (Bul)

[Potentials and limits of Doppler echocardiography in the diagnosis of mitral insufficiency] Tomov I. **Vutr Boles** 1986; 25(4):1–10 (30 ref.) (Bul)

[Possibilities of combining 2-dimensional and Doppler echocardiography in the assessment of mitral and aortic regurgitation] Kozáková M. **Cas Lek Cesk** 1987 Mar 13; 126(11):344–8 (Eng. Abstr.) (Cze)

[Diagnostic value of the transesophageal Doppler echocardiography] Erbel R, et al. **Herz** 1987 Jun; 12(3):177–86 (Eng. Abstr.) (Ger)

[Doppler echocardiography diagnosis and classification of the degree of aortic valve insufficiency in patients with aortic stenoses and mitral valve diseases] Dittmann H, et al. **Z Kardiol** 1986 Sep;75(9):522–7 (Eng. Abstr.) (Ger)

[Doppler sonography quantification of mitral valve stenosis in patients with and without mitral valve insufficiency] Kronik G, et al. **Z Kardiol** 1986 Oct;75(10):598–604 (Eng. Abstr.) (Ger)

[Role of Doppler echocardiography in the evaluation of mitral valve defects] D'Ambrosio G, et al. **Cardiologia** 1986 Dec;31(12):1195–205 (Ita)

[Diagnosis of diastolic regurgitation through the atrioventricular valves using pulsed and continuous-wave Doppler. Description of a case] De Dominicis E, et al. **G Ital Cardiol** 1987 Mar;17(3):272–80 (Eng. Abstr.) (Ita)

[Mitral regurgitation due to ruptured chordae tendineae: sensitivity and specificity of the diagnostic criteria by two-dimensional echocardiography] Takenaga M, et al. **J Cardiogr** 1986 Mar;16(1):105–13 (Eng. Abstr.) (Jpn)

[Echocardiographic evaluation of the regurgitant wave in complex mitral defect] Kuśnierz B, et al. **Pol Tyg Lek** 1986 Oct 13;41(41):1318–22 (Eng. Abstr.) (Pol)

[Noninvasive method of studying intracardiac and systemic hemodynamics in a mitral valve lesion by calculating the mitral regurgitation volume and mean dynamic pressure in the left atrium] Zhilin SV, et al. **Kardiologiia** 1987 Apr; 27(4):47–9 (Eng. Abstr.) (Rus)

[Difficulties and errors in the diagnosis of mitral valve insufficiency] Dziak GV, et al. **Vrach Delo** 1987 Mar; (3):14–6 (Eng. Abstr.) (Rus)

[Mitral valve insufficiency detected using Doppler echocardiography in marathon runners] Pons Lladó G, et al. **Med Clin (Barc)** 1987 Jun 13;89(3):95–8 (Eng. Abstr.) (Spa)

[Doppler examination in mitral insufficiency] Pons Lladó GJ, et al. **Rev Esp Cardiol** 1986;39 Suppl 2:12–7 (Eng. Abstr.) (Spa)

DRUG THERAPY

Contribution of reduced mitral regurgitant volume to vasodilator effect in severe left ventricular failure secondary to coronary artery disease or idiopathic dilated cardiomyopathy. Weiland DS, et al. **Am J Cardiol** 1986 Nov 1;58(10):1046–50

Improvement in forward cardiac output without a change in ejection fraction during nitroglycerin therapy in patients with functional mitral regurgitation. Keren G, et al. **Can J Cardiol** 1986 Jul-Aug;2(4):206–11

Hemodynamic effects of the beta 1-adrenoceptor partial agonist xamoterol in relation to plasma norepinephrine levels during exercise in patients with left ventricular dysfunction. Sato H, et al. **Circulation** 1987 Jan; 75(1):213–20

[The effect of vasodilator therapy on mitral and aortic insufficiency in a Doppler echocardiography study] Kozáková M, et al. **Vnitr Lek** 1987 Apr;33(4):324–31 (Eng. Abstr.) (Cze)

[Action of antihistaminic agents in patients with various heart pathologies undergoing surgical treatment] Bender KI, et al. **Farmakol Toksikol** 1986 Sep-Oct;49(5):67–70 (Eng. Abstr.) (Rus)

ETIOLOGY

High occurrence of mitral valve prolapse in cardiac catheterization patients with pure isolated mitral regurgitation. Danielsen R, et al. **Acta Med Scand** 1987; 221(1):33–8

Transient severe mitral and tricuspid regurgitation following blunt chest trauma. Dodd DA, et al. **Am Heart J** 1987 Sep;114(3):652–4

Dissection of the anterior mitral leaflet causing mitral regurgitation in aortic valve endocarditis. Pennestri F, et al. **Am Heart J** 1987 Jan;113(1):212–4

Mechanisms of severe mitral regurgitation in mitral valve prolapse determined from analysis of operatively excised valves. Roberts WC, et al. **Am Heart J** 1987 May; 113(5):1316–23

Hemolytic anemia and acute mitral regurgitation caused by a torn cusp of a porcine mitral prosthetic valve 7 years after its implantation. Schaer DH, et al. **Am Heart J** 1987 Feb;113(2 Pt 1):404–6

Spontaneous rupture of mitral chordae tendineae in hyperthyroidism. Aronson RJ, et al. **Am J Cardiol** 1987 Feb 15;59(5):475–6

Mitral regurgitation after cardiac transplantation. Stevenson LW, et al. **Am J Cardiol** 1987 Jul 1;60(1):119–22

Echocardiographic features of mitral regurgitation due to ankylosing spondylitis. Shah A. **Am J Med** 1987 Feb; 82(2):353–6

Intermittent mitral regurgitation: an indicator of severe Beall valve dysfunction. Coralli RJ, et al. **Clin Cardiol** 1987 Jul; 10(7):419–22

Ruptured chordae tendineae complicating pregnancy. A case report. Castillo RA, et al. **J Reprod Med** 1987 Feb; 32(2):137–9

Peculiar mitral valve and papillary muscle lesions induced by vagus manipulations in rabbits. An experimental model for nonrheumatic mitral regurgitation. Imataka K, et al. **Jpn Heart J** 1986 May;27(3):377–86

Severe mitral insufficiency associated with Kawasaki's valvulitis. Vincent RN, et al. **Pediatr Cardiol** 1986; 7(4):203–4

[Isolated congenital mitral valve cleft. An unusual cause of mitral valve regurgitation in adulthood] Hrudová J, et al. **Cas Lek Cesk** 1987 Mar 13;126(11):349–51 (Eng. Abstr.) (Cze)

[Acute degenerative mitral insufficiency caused by rupture of the chordae in the elderly patient] Adams C, et al. **Ann Med Interne (Paris)** 1986;137(5):391–4 (Eng. Abstr.) (Fre)

[Massive hemolysis and acute mitral insufficiency one year following mitral valve repair. Apropos of a case] François G, et al. **Arch Mal Coeur** 1987 Mar;80(3):367–70 (Eng. Abstr.) (Fre)

[A peculiar cause of cardiac insufficiency in the aged subject: acute mitral insufficiency due to chord rupture] Vacheron A. **Bull Acad Natl Med (Paris)** 1986 Apr;170(4):551–5 (Eng. Abstr.) (Fre)

[Mitral regurgitation in acute myocardial infarction—evaluation of the cases with thrombolytic treatment] Nohara R, et al. **Kokyu To Junkan** 1987 Apr; 35(4):417–21 (Eng. Abstr.) (Jpn)

[Mitral valve insufficiency of nonrheumatic etiology] Storozhakov GI, et al. **Ter Arkh** 1986;58(12):121–6 (77 ref.) (Rus)

IMMUNOLOGY

[Manifestation of the sensitization to penicillin preparations in rheumatism patients with a history of adverse reactions to them] Smirnova RV, et al. **Farmakol Toksikol** 1986 Sep-Oct;49(5):109–11 (Eng. Abstr.) (Rus)

MORTALITY

Relation of sudden death in pure mitral regurgitation, with and without mitral valve prolapse, to repetitive ventricular arrhythmias and right and left ventricular ejection fractions. Kligfield P, et al. **Am J Cardiol** 1987 Aug 1; 60(4):397–9

OCCURRENCE

Rheumatic fever and rheumatic heart disease in school children of Anand. Patel DC, et al. **J Assoc Physicians India** 1986 Dec;34(12):837–9

PATHOLOGY

[Mitral valvular disease secondary to mitral ring calcification: a clinicopathologic study] Suzuki J, et al. **J Cardiogr** 1985 Dec;15(4):1109–18 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

Color Doppler echocardiographic assessment of the change in the mitral regurgitant volume. Otsuji Y, et al. **Am Heart J** 1987 Aug;114(2):349–54

Late diastolic mitral regurgitation studied by pulsed Doppler echocardiography. Sanada J, et al. **Am J Cardiol** 1987 Jun 1;59(15):1366–70

Value of echocardiography and nuclear techniques in assessment of valvular heart lesions. Iskandrian AS, et al. **Cardiovasc Clin** 1986;17(1):181–200

Disparity between ejection and end-systolic indexes of left ventricular contractility in mitral regurgitation. Berko B, et al. **Circulation** 1987 Jun;75(6):1310–9

The relationship of afterload to ejection performance in chronic mitral regurgitation. Corin WJ, et al. **Circulation** 1987 Jul;76(1):59–67

Time variation of mitral regurgitant flow in patients with dilated cardiomyopathy. Keren G, et al. **Circulation** 1986 Oct;74(4):684–92

[Using measurement of left ventricular function to predict the prognosis of valve replacement in aortic and/or mitral insufficiency] Xi XH, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Oct; 14(5):277–9 (Chi)

[Systolic and diastolic left ventricular function studied using Doppler echocardiography] Recusani F, et al. **Cardiologia** 1986 Dec;31(12):1191–4 (Ita)

[Acute hemodynamic changes following mitral valve surgery] Kawauchi M. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Mar;35(3):307–17 (Eng. Abstr.) (Jpn)

[Effect of methaxamine on mitral valve insufficiency associated with hypertrophic obstructive cardiomyopathy, mitral valve prolapse and rheumatic disease] Kornacewicz-Jach Z. **Pol Tyg Lek** 1986 Jun 23–30; 41(25–26):812–6 (Eng. Abstr.) (Pol)

[Exercise tests with hemodynamic control: response in mitral valvulopathy] Arós LF, et al. **Rev Esp Cardiol** 1986 Jul-Aug;39(4):269–73 (Eng. Abstr.) (Spa)

RADIONUCLIDE IMAGING

[Quantitative evaluation of left-sided valvular regurgitation by gated single photon emission computed tomography] Taki J, et al. **Kaku Igaku** 1987 Feb;24(2):137–41 (Eng. Abstr.) (Jpn)

SURGERY

Reparative operations for mitral valve incompetence: an emerging treatment of choice. Bashour TT, et al. **Am Heart J** 1987 May;113(5):1199–206 (46 ref.)

Clinically occult "false-on-true" left ventricular aneurysm: association with late sudden death following mitral valve replacement. Sobczyk WL, et al. **Am Heart J** 1986 Nov; 112(5):1090–2

Aortic false aneurysm: recognition by noninvasive techniques four years after mitral valve replacement. Come PC, et al. **Am J Cardiol** 1986 Nov 15;58(11):1137–9

Doppler echocardiographic evaluation of ring mitral valvuloplasty for pure mitral regurgitation. Kenny J, et al. **Am J Cardiol** 1987 Feb 1;59(4):341–5

Clinical and necropsy observations early after simultaneous replacement of the mitral and aortic valves. Roberts WC, et al. **Am J Cardiol** 1986 Nov 15;58(11):1067–84

Valve repair for mitral insufficiency [letter] Cheng TO. **Ann Thorac Surg** 1987 Sep;44(3):330

The Puig-Massana-Shiley annuloplasty ring for mitral valve repair: experience in 126 patients. Murphy JP Jr, et al. **Ann Thorac Surg** 1987 Jan;43(1):52–8

Atrioventricular valve repair or replacement in atriopulmonary anastomosis: surgical considerations. Vargas FJ, et al. **Ann Thorac Surg** 1987 Apr;43(4):403–5

Long-term results of operations for mitral regurgitation secondary to coronary artery disease. Kay GL, et al. **Cardiovasc Clin** 1987;17(3):41–51

Mitral valve reconstruction versus prosthetic valve replacement. Pluth JR. **Cardiovasc Clin** 1987;17(3):127–39 (49 ref.)

Intraoperative evaluation of mitral regurgitation by Doppler color flow mapping. Czer LS, et al. **Circulation** 1987 Sep; 76(3 Pt 2):III108–16

The timing of surgery in mitral and aortic valve disease.

Cheitlin MD. **Curr Probl Cardiol** 1987 Feb;12(2):69–149 (251 ref.)

Conservative surgery for mitral valve prolapse with regurgitation: clinical follow-up and noninvasive assessment. Caidahl K, et al. **Eur Heart J** 1987 Apr; 8(4):384–94

Surgery for mitral regurgitation. Repair versus valve replacement. Krayenbuehl HP. **Eur Heart J** 1986 Aug; 7(8):638–43

Doppler echocardiographic appearance of cusp tears in tissue valve prosthesis. Chambers JB, et al. **J Am Coll Cardiol** 1987 Aug;10(2):462–6

Mitral valve replacement early after myocardial infarction: attendant high risk of left ventricular rupture. Harold JG, et al. **J Am Coll Cardiol** 1987 Feb;9(2):277–82

Hemolytic anemia 2 years after mitral valve annuloplasty: report of a case. Young DK, et al. **J Am Osteopath Assoc** 1986 Nov;86(11):751–4

Strut fracture of a Björk–Shiley mitral valve prosthesis with successful reoperation. Nakano S, et al. **J Cardiovasc Surg (Torino)** 1986 Nov–Dec;27(6):685–7

A comparison of replacement and reconstruction in patients with mitral regurgitation. Angell WW, et al. **J Thorac Cardiovasc Surg** 1987 May;93(5):665–74

Valvuloplasty for rheumatic mitral valve disease. A surgical challenge. Antunes MJ, et al. **J Thorac Cardiovasc Surg** 1987 Jul;94(1):44–56

Partial atrioventricular canal in an adult: mitral valve repair by reverse implantation of a Carpentier ring. Curcio CA, et al. **J Thorac Cardiovasc Surg** 1987 Sep;94(3):444–5

A comparison of repair and replacement for mitral valve incompetence. Sand ME, et al. **J Thorac Cardiovasc Surg** 1987 Aug;94(2):208–19

Early repair of mechanical complications after acute myocardial infarction [letter] Manning DM. **JAMA** 1986 Nov 28;256(20):2816

Combined mitral valve and coronary artery surgery. Bergdahl LA, et al. **Scand J Thorac Cardiovasc Surg** 1987; 21(1):87–90

Failure of a bioprosthetic mitral valve due to attachment of a residual chorda. Roberts KM, et al. **Thorax** 1986 Aug; 41(8):652–3

[Separation of a Beall Surgitool prosthesis disk 15 years after mitral valve replacement] Leising HB, et al. **Z Kardiol** 1986 Nov;75(11):688–90 (Eng. Abstr.) **(Ger)**

[Determinants of long-term prognosis following prosthetic mitral valve replacement] Schwarz F, et al. **Z Kardiol** 1986 Nov;75(11):646–9 (Eng. Abstr.) **(Ger)**

[Closed-chest ablation of the bundle of His] Zámolyi K, et al. **Orv Hetil** 1986 Aug 10;127(32):1929–36 (Eng. Abstr.) **(Hun)**

[A case report of mitral valve implantation preserving the whole mitral apparatus in a child] Ninomiya J, et al. **Kyobu Geka** 1987 Mar;40(4):328–33 (Eng. Abstr.) **(Jpn)**

[A pediatric case of re-mitral valve replacement] Tanaka K, et al. **Kyobu Geka** 1987 Feb;40(3):231–3 (Eng. Abstr.) **(Jpn)**

[Concomitant surgery of cardiac and pulmonary diseases] Mori A, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Mar;35(3):416–20 (Eng. Abstr.) **(Jpn)**

[7 years' experience with mitral valvuloplasty] Gregori Júnior F, et al. **Arq Bras Cardiol** 1986 Oct;47(4):269–74 (Eng. Abstr.) **(Por)**

[Reconstructive surgery of the mitral valve. New classification and surgical technic. A series of 130 patients] Lessana A, et al. **Arq Bras Cardiol** 1986 Jul;47(1):21–5 (Eng. Abstr.) **(Por)**

[Pulmonary hypertension in the remote period after mitral valve prosthesis] Grishkiavichius AP, et al. **Grudn Khir** 1987 Mar–Apr;(2):25–8 (Eng. Abstr.) **(Rus)**

[Results of mitral valve prosthesis using the small-size disk EMIKS prosthesis] Zorin AB, et al. **Grudn Khir** 1987 May–Jun;(3):5–8 **(Rus)**

[Valve replacement using an artificial ball prosthesis manufactured in Mexico] Rosillo Izquierdo P, et al. **Arch Inst Cardiol Mex** 1986 Jul–Aug;56(4):319–22 (Eng. Abstr.) **(Spa)**

THERAPY

Left ventricular outflow tract obstruction due to anomalous mitral valve: successful mitral valve replacement in a four month old infant. Morais P, et al. **Br Heart J** 1986 Oct; 56(4):385–7

Percutaneous balloon valvotomy for patients with severe mitral stenosis. Palacios I, et al. **Circulation** 1987 Apr; 75(4):778–84

VETERINARY

Pulmonary function in dogs with mitral valve regurgitation. Miller JE, et al. **Am J Vet Res** 1986 Dec;47(12):2498–503

Valvular incompetence in cavalier King Charles spaniels. Darke PG. **Vet Rec** 1987 Apr 11;120(15):365–6

MITRAL VALVE PROLAPSE

Mitral valve prolapse. The unresolved questions. Schatz IJ. **Hosp Pract [Off]** 1987 Mar 30;22(3A):39–50, 55–6

Mitral valve prolapse in children. Greenwood RD. **Postgrad Med** 1986 Oct;80(5):257–9, 262, 264

BLOOD

Mitral valve prolapse and platelet aggregation in patients with hemiplegic and non-hemiplegic migraine. Pfaffenrath V, et al. **Acta Neurol Scand** 1987 Apr;75(4):253–7

Platelet function and coagulation studies in patients with mitral valve prolapse. Zuppiroli A, et al. **Clin Cardiol** 1986 Oct;9(10):487–92

COMPLICATIONS

Mitral valve prolapse with mobile polypoid cul-de-sac thrombus and embolism to brain and lower extremity. Egeblad H, et al. **Am Heart J** 1987 Sep;114(3):648–50

Arrhythmias and sudden death in mitral valve prolapse. Kligfield P, et al. **Am Heart J** 1987 May;113(5):1298–307 (66 ref.)

Mitral valve prolapse and infective endocarditis. MacMahon SW, et al. **Am Heart J** 1987 May;113(5):1291–8

Triggered activity as a possible mechanism of ventricular tachycardia in mitral valve prolapse. Shenoy MM, et al. **Am Heart J** 1986 Dec;112(6):1339–42

Cerebral ischemia with mitral valve prolapse. Wolf PA, et al. **Am Heart J** 1987 May;113(5):1308–15 (58 ref.)

Mitral valve prolapse, cardiac hemodynamics and coronary circulation patterns in men with angina pectoris and angiographically normal coronary arteries. McCroskery JH, et al. **Am J Cardiol** 1987 Jan 1;59(1):191–2

Risk of infective endocarditis in mitral valve prolapse with and without precordial systolic murmurs. MacMahon SW, et al. **Am J Cardiol** 1987 Jan 1;59(1):105–8

Frequency of complications of mitral valve prolapse in subjects aged 60 years and older. Naggar CZ, et al. **Am J Cardiol** 1986 Dec 1;58(13):1209–12

Mitral valve prolapse and Wolff–Parkinson–White syndrome [letter] Petersen EL. **Am J Cardiol** 1986 Nov 15;58(11):1149

Esophageal disorders in patients with chest pain and mitral valve prolapse. Spears PF, et al. **Am J Gastroenterol** 1986 Oct;81(10):951–4

Variable prognosis of mitral valve prolapse [letter] Baddour LM, et al. **Am J Med** 1987 Mar;82(3):571–2

Complications of mitral valve prolapse. Disproportionate occurrence in men and older patients. Devereux RB, et al. **Am J Med** 1986 Nov;81(5):751–8

Mitral valve prolapse and thyroid abnormalities in patients with panic attacks. Matuzas W, et al. **Am J Psychiatry** 1987 Apr;144(4):493–6

Chest pain associated with mitral valve prolapse [letter] Sataline L. **Arch Intern Med** 1986 Oct;146(10):2085

Mitral valve prolapse and retinal infarction. Hopkins A, et al. **Aust N Z J Ophthalmol** 1987 Feb;15(1):79–82

Ventricular fibrillation during general anaesthesia in a seven-year-old patient with mitral valve prolapse. Casthely PA, et al. **Can Anaesth Soc J** 1986 Nov;33(6):795–8

Pitfalls of chest pain. Pseudoxanthoma elasticum. Sane DC, et al. **Chest** 1987 Jan;91(1):134–5

Mitral valve prolapse, spontaneous pneumothorax, and abnormal lung collagen [letter] Snell NJ. **Chest** 1987 May; 91(5):793–4

Mitral valve prolapse in systemic lupus erythematosus. Barzizza F, et al. **Clin Exp Rheumatol** 1987 Jan–Mar; 5(1):59–62

Second-degree heart block after spontaneous abortion. Danowitz JS. **Hosp Pract [Off]** 1987 Apr 15;22(4):29, 32

Arrhythmias in mitral valve prolapse. Shah VK, et al. **Indian Heart J** 1986 Sep–Oct;38(5):404–8

Pulsed Doppler echocardiographic evaluation of valvular regurgitation in patients with mitral valve prolapse: comparison with normal subjects. Come PC, et al. **J Am Coll Cardiol** 1986 Dec;8(6):1355–64

Successful aortocoronary bypass in osteogenesis imperfecta. Passmore JM, et al. **J Am Coll Cardiol** 1987 Apr;9(4):960–3

Ruptured chordae tendineae and acute pulmonary edema induced by exercise. Occurrence in a young man with mitral valve prolapse. Zimmerman FH, et al. **JAMA** 1987 Aug 14;258(6):812–3

Postpartum group B streptococcal endocarditis associated with mitral valve prolapse. Strasberg GD. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):485–7

Evaluation of 49 mitral valve prolapse patients for maxillofacial skeletal deformities and temporomandibular joint dysfunction. Waite PD. **Oral Surg Oral Med Oral Pathol** 1986 Nov;62(5):496–9

Metaphorical prolapse. Coulehan JL. **Pa Med** 1987 Jan; 90(1):26, 28, 30

Mitral valve prolapse, panic states, and anxiety. A dilemma in perspective. Sevin BH. **Psychiatr Clin North Am** 1987 Mar;10(1):141–50 (13 ref.)

[The risk of cerebrovascular complications in the combination of pregnancy and mitral valve prolapse] Goullard L, et al. **Ann Cardiol Angeiol (Paris)** 1987 Mar; 36(3):145–8 (Eng. Abstr.) **(Fre)**

[Recklinghausen's disease and mitral valve prolapse (letter)] Bensaid J, et al. **Presse Med** 1986 Sep 20;15(30):1424 **(Fre)**

[An automatic implantable defibrillator for repeated ventricular fibrillation in isolated mitral valve prolapse (letter)] Cristofini P, et al. **Presse Med** 1987 Apr 11; 16(13):633 **(Fre)**

[Tachycardia, dizziness and weakness] Vetter W, et al. **Schweiz Rundsch Med Prax** 1987 Jan 27;76(5):112–4 (Eng. Abstr.) **(Ger)**

[Visual disturbances in mitral valve prolapse] Lusky M, et al. **Harefuah** 1987 Jan 1;112(1):4–5 (Eng. Abstr.) **(Heb)**

[Cases of infectious endocarditis associated with mitral valve prolapse syndrome] Losonczi G, et al. **Orv Hetil** 1987 Apr 5;128(14):735–8 (Eng. Abstr.) **(Hun)**

[Acute spontaneous pneumomediastinum in a patient with mitral valve prolapse. Two expressions of the same collagen anomaly?] Chesi G, et al. **Clin Ter** 1986 Aug 15; 118(3):213–8 (Eng. Abstr.) **(Ita)**

[Migraine and prolapse of the mitral valve] Guidotti M, et al. **Minerva Med** 1987 Jul 31;78(14):1109–12 **(Ita)**

[Electrocardiographic changes in the QT interval in persons with mitral valve prolapse syndrome] Wysokiński A, et al. **Wiad Lek** 1986 Oct 15;39(20):1379–82 (Eng. Abstr.) **(Pol)**

[Association of myocardial bridging mitral valve prolapse and myocardial hypertrophy] Ribeiro Jorge PA, et al. **Arq Bras Cardiol** 1986 Oct;47(4):259–62 (Eng. Abstr.) **(Por)**

[Heart rhythm disorders in mitral valve prolapse syndrome and their treatment] Myslitskaia GV, et al. **Kardiologiia** 1986 Aug;26(8):49–53 (Eng. Abstr.) **(Rus)**

[Syncopal states in mitral valve prolapse] Erokhina LG, et al. **Sov Med** 1987;(4):11–4 (Eng. Abstr.) **(Rus)**

[2-directional ventricular tachycardia associated with mitral valve prolapse] López Manrique F, et al. **Arch Inst Cardiol Mex** 1987 Mar–Apr;57(2):131–4 (Eng. Abstr.) **(Spa)**

[Mitral valve prolapse. Comparative study of patients with and without infectious endocarditis] Sampo ES, et al. **Medicina (B Aires)** 1986;46(4):385–9 (Eng. Abstr.) **(Spa)**

CONGENITAL

Cardiac valve replacement for stenotic bicuspid aortic valve in husband and for purely regurgitant prolapsed mitral valve in wife. Mann JM, et al. **Am J Cardiol** 1987 Aug 1;60(4):401–2

DIAGNOSIS

Mitral valve prolapse in children. Greenwood RD. **Am Fam Physician** 1987 Mar;35(3):99–106

Factors predisposing to false negative M-mode echocardiograms in patients with two-dimensional echocardiographic criteria for mitral valve prolapse. Alpert MA, et al. **Am Heart J** 1987 May;113(5):1250–2

Two-dimensional echocardiographic mitral valve prolapse: evidence for a relationship of echocardiographic morphology to clinical findings and to mitral annular size. Cohen IS. **Am Heart J** 1987 Apr;113(4):859–68

Echocardiographic mitral valve prolapse in ballet dancers: a function of leanness. Cohen JL, et al. **Am Heart J** 1987 Feb;113(2 Pt 1):341–4

Diagnosis and classification of severity of mitral valve prolapse: methodologic, biologic, and prognostic considerations. Devereux RB, et al. **Am Heart J** 1987 May; 113(5):1265–80 (122 ref.)

Evidence for progression from mild to severe mitral regurgitation in mitral valve prolapse. Kolibash AJ Jr, et al. **Am J Cardiol** 1986 Oct 1;58(9):762–7

Usefulness of echocardiographically determined mitral leaflet motion for diagnosis of mitral valve prolapse in 17- and 18-year-old men. Kriwisky M, et al. **Am J Cardiol** 1987 May 1;59(12):1149–51

The syndrome of nonejection click-late systolic murmur and mitral valve prolapse. A case report and review of the subject. Pittman DE, et al. **Angiology** 1976 Oct; 27(10):592–601

Mitral valve prolapse in the elderly. Gelfand ML. **Bull NY Acad Med** 1987 Mar;63(2):181–5

The relationship of mitral annular shape to the diagnosis of mitral valve prolapse. Levine RA, et al. **Circulation** 1987 Apr;75(4):756–67

Mitral valve prolapse: a review of the scientific and medical literature. Grass S, et al. **Heart Lung** 1986 Sep;15(5):507–12 (48 ref.)

Mitral prolapse and echocardiography [letter] Spodick DH. **Hosp Pract [Off]** 1987 Jun 15;22(6):18

Mitral valve prolapse syndrome. Rao PS. **Indian J Pediatr** 1987 Mar–Apr;54(2):140–4

Mitral valve prolapse with cerebrovascular accident in a young patient. Nanavati NJ, et al. **J Assoc Physicians India** 1986 Nov;34(11):809–11

Systolic click syndrome without a click: hints on diagnosis. Melaragno HP. **J Fam Pract** 1976 Aug;3(4):437

Mitral valve prolapse. Echocardiographic changes during pregnancy. Rayburn WF, et al. **J Reprod Med** 1987 Mar; 32(3):185–7

Echocardiographic follow-up in Marfan's syndrome: mitral, tricuspid, and aortic valve prolapse with calcification of patent foramen ovale. Petitalot JP, et al. **JCU** 1986 Nov–Dec;14(9):707–11

Childhood mitral valve prolapse. Kavey RE. **Pediatrician** 1986;13(4):152–7

Mitral valve prolapse. A view from the trenches. Driggers DA. **Postgrad Med** 1986 Nov 1;80(6):137–8, 140, 144

Mitral valve prolapse. Achuff SC. **Proc Annu Meet Med Sect Am Counc Life Insur** 1986; :97–105

Clinical applications of echocardiography in myocardial and valvular heart disease. Belkin RN, et al. **Prog Cardiovasc Dis** 1986 Sep–Oct;29(2):81–106 (229 ref.)

Mitral valve prolapse syndrome--myth or reality? Pollack

RD. **West J Med** 1987 Mar;146(3):381–2 (21 ref.)
[Echocardiographic diagnosis of plurivalvular prolapse. Apropos of a case] Klimczak K, et al. **Ann Cardiol Angeiol (Paris)** 1987 May;36(5):261–5 (Eng. Abstr.) **(Fre)**
[Mitral valve prolapse, simple anomaly or risk disease] Bensaïd J. **Arch Mal Coeur** 1987 Feb;80(2):129–31 **(Fre)**
[Mitral valve prolapse] Decoodt P. **Rev Med Brux** 1986 Oct; 7(8):491–503 (Eng. Abstr.) **(Fre)**
[Significance of cardiac arrhythmia in mitral valve prolapse syndrome] Werdan K. **Laternist (Berlin)** 1987 Mar; 28(3):175–81 **(Ger)**
[2-dimensional echocardiography study of borderline aspects between the normal mitral valve and mitral valve prolapse] Antonelli G, et al. **Cardiologia** 1986 Jun;31(6):435–41 (Eng. Abstr.) **(Ita)**
[Ergometric tests in asymptomatic mitral valve prolapse] Mazzola C, et al. **Cardiologia** 1987 Feb;32(2):171–6 (Eng. Abstr.) **(Ita)**
[Echocardiographic study of left ventricular function in the mitral valve prolapse syndrome] Vitolo E, et al. **G Ital Cardiol** 1987 Mar;17(3):211–9 (Eng. Abstr.) **(Ita)**
[Diagnosis of the mitral valve prolapse] Syakudo M, et al. **Kokyu To Junkan** 1987 Jun;35(6):623–30 (8 ref.) **(Jpn)**
[Mitral valve prolapse in sportsmen] Fojt E, et al. **Pol Tyg Lek** 1986 Jun 23–30;41(25–26):817–21 (Eng. Abstr.) **(Pol)**
[Mitral valve prolapse syndrome in the light of the intraoperative examination: its correlation with the results of clinical studies] Kornacewicz-Jach Z. **Pol Tyg Lek** 1986 Jun 23–30;41(25–26):808–11 (Eng. Abstr.) **(Pol)**
[Mitral leaflet prolapse syndrome—correlation of the results of electrocardiographic, clinical, angiographic and coronarographic examinations] Kornacewicz-Jach Z. **Wiad Lek** 1987 Mar 1;40(5):294–8 (Eng. Abstr.) **(Pol)**
[Mitral valve prolapse syndrome] Tubek S, et al. **Wiad Lek** 1986 Aug 1;39(15):1041–7 (28 ref.) (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Mitral valve prolapse in children [letter] Shanley FM. **Postgrad Med** 1987 Feb 1;81(2):35

ETIOLOGY

Mitral valve prolapse: multifactorial etiologies and variable prognosis. Baddour LM, et al. **Am Heart J** 1986 Dec; 112(6):1359–62 (25 ref.)
Abnormal chordal insertion: a cause of mitral valve prolapse. Virmani R, et al. **Am Heart J** 1987 Apr;113(4):851–8
Mitral valve prolapse with symptoms of beta-adrenergic hypersensitivity [letter] Goldstein K. **Am J Med** 1987 Aug; 83(2):370–1
Mitral valve prolapse (MVP) in psoriatic arthritis (PA) [letter] Moya JL, et al. **Arch Intern Med** 1987 May; 147(5):992
Clinical and echocardiographic assessment in juvenile-onset spondyloarthropathy [letter] Gerster JC, et al. **Br J Rheumatol** 1987 Apr;26(2):155–6
Postinflammatory mitral and aortic valve prolapse: a clinical and pathological study. Tomaru T, et al. **Circulation** 1987 Jul;76(1):68–76
Mitral valve prolapse associated with pectus excavatum. Shamberger RC, et al. **J Pediatr** 1987 Sep;111(3):404–7
High frequency of mitral valve prolapse and aortic regurgitation among asymptomatic adults with Down's syndrome. Goldhaber SZ, et al. **JAMA** 1987 Oct 2; 258(13):1793–5
[Basedow's disease and mitral valve prolapse] Kahaly G, et al. **Dtsch Med Wochenschr** 1987 Feb 13;112(7):248–53 (Eng. Abstr.) **(Ger)**
[Mitral valve prolapse in chronic Chagas patients. Echocardiographic study] de Almeida EA, et al. **Arq Bras Cardiol** 1986 Sep;47(3):207–10 (Eng. Abstr.) **(Por)**
[Mitral prolapse in a patient with Kearns-Sayre syndrome] Martínez Sande JL, et al. **Rev Esp Cardiol** 1987 Jan–Feb; 40(1):60–2 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Relation between clinical features of the mitral prolapse syndrome and echocardiographically documented mitral valve prolapse. Devereux RB, et al. **J Am Coll Cardiol** 1986 Oct;8(4):763–72
Prevalence of panic disorder in relatives [letter] Devereux RB, et al. **Psychosomatics** 1986 Nov;27(11):797
[Rhythm disorders and mitral valve prolapse in a family group. Study using non-invasive methods] Cassone R, et al. **Minerva Cardioangiol** 1987 Mar;35(3):91–8 (Eng. Abstr.) **(Ita)**
[Familial incidence of mitral valve prolapse in elementary school students] Catipović-Veselica K, et al. **Acta Med Iugosl** 1986;40(5):375–82 (Eng. Abstr.) **(Scr)**

HISTORY

From irritable heart to mitral valve prolapse: World War I. The U.S. experience and the origin of neurocirculatory asthenia. Wooley CF. **Am J Cardiol** 1987 May 1; 59(12):1183–6
From irritable heart to mitral valve prolapse—World War I, the British experience and Thomas Lewis. Wooley CF. **Am J Cardiol** 1986 Oct 1;58(9):844–9
From irritable heart to mitral valve prolapse—World War I, the British experience and Clifford Allbutt. Wooley CF. **Am J Cardiol** 1987 Feb 1;59(4):353–7

METABOLISM

Quantitative structural analysis of collagen in chordae tendineae and its relation to floppy mitral valves and proteoglycan infiltration. Whittaker P, et al. **Br Heart J** 1987 Mar;57(3):264–9

MORTALITY

Relation of sudden death in pure mitral regurgitation, with and without mitral valve prolapse, to repetitive ventricular arrhythmias and right and left ventricular ejection fractions. Kligfield P, et al. **Am J Cardiol** 1987 Aug 1; 60(4):397–9

NURSING

Mitral valve prolapse: self-care needs, nursing diagnoses, and interventions. Utz SW, et al. **Heart Lung** 1987 Jan; 16(1):77–83 (31 ref.)

OCCURRENCE

High occurrence of mitral valve prolapse in cardiac catheterization patients with pure isolated mitral regurgitation. Danielsen R, et al. **Acta Med Scand** 1987; 221(1):33–8
Low prevalence of mitral valve prolapse in bipolar affective disorder. Ozeren A, et al. **Acta Psychiatr Scand** 1986 Dec; 74(6):605–6
Prevalence and clinical features of mitral valve prolapse. Levy D, et al. **Am Heart J** 1987 May;113(5):1281–90 (99 ref.)
Does "physiologic" mitral valve prolapse occur with acute blood loss? Konicek S, et al. **Clin Cardiol** 1987 Mar; 10(3):159–62
Prevalence of mitral valve prolapse in healthy Saudi women. Noah MS, et al. **Int J Cardiol** 1987 Jan;14(1):65–9
The mitral valve prolapse epidemic: fact or fiction. Lewis RP, et al. **Trans Am Clin Climatol Assoc** 1986;98:222–36 (54 ref.)

PATHOLOGY

Mechanisms of severe mitral regurgitation in mitral valve prolapse determined from analysis of operatively excised valves. Roberts WC, et al. **Am Heart J** 1987 May; 113(5):1316–23
Mitral valve prolapse. Virmani R, et al. **Hum Pathol** 1987 Jun;18(6):596–602
[Mitral valve prolapse with myocardial disarrangement and familial hypertrophic cardiomyopathy: a case report] Kumaki T, et al. **J Cardiogr** 1986 Mar;16(1):227–36 (Eng. Abstr.) **(Jpn)**
[A case of mitral valve aneurysm associated with mitral valve prolapse syndrome] Nojiri C, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Aug;34(8):1204–8 (Eng. Abstr.) **(Jpn)**
[Combined 2d-type TAR syndrome, factor X deficiency, immune deficiency and mitral valve prolapse] Barkagan ZS, et al. **Ter Arkh** 1986;58(9):137–41 **(Rus)**

PHYSIOPATHOLOGY

The QT and QS2 intervals in patients with mitral leaflet prolapse. Chambers JB, et al. **Am Heart J** 1987 Aug; 114(2):355–61
Repolarization abnormalities in mitral valve prolapse. Meyers DG, et al. **Am Heart J** 1987 Jun;113(6):1414–6
Clinical and epidemiologic issues in mitral valve prolapse: overview and perspective. Perloff JK, et al. **Am Heart J** 1987 May;113(5):1324–32
Effects of upright posture on anterograde and retrograde atrioventricular conduction in patients with coronary artery disease, mitral valve prolapse or no structural heart disease. Mann DE, et al. **Am J Cardiol** 1987 Sep 1; 60(7):625–9
Mitral valve prolapse with symptoms of beta-adrenergic hypersensitivity. Beta 2-adrenergic receptor supercoupling with desensitization on isoproterenol exposure. Davies AO, et al. **Am J Med** 1987 Feb;82(2):193–201
Contrasting patterns of autonomic dysfunction in patients with mitral valve prolapse and panic attacks. Weissman NJ, et al. **Am J Med** 1987 May;82(5):880–8
Cesarean section under epidural analgesia in a parturient with mitral valve prolapse. Alcantara LG, et al. **Anesth Analg** 1987 Sep;66(9):902–3
Acceleration tolerance of asymptomatic aircrew with mitral valve prolapse. Whinnery JE. **Aviat Space Environ Med** 1986 Oct;57(10 Pt 1):986–92
Left ventricular function from end-systolic stress-shortening relations in mitral valve prolapse. Lewis BS, et al. **Cardiology** 1987;74(3):205–11
The mitral valve mechanism with normal and prolapsed leaflets in the light of a dynamic model. Bryhn M, et al. **Clin Cardiol** 1986 Oct;9(10):483–6
Prevalence of postural T wave changes in mitral valve prolapse: a quantitative study. Lewis BS, et al. **Isr J Med Sci** 1986 Dec;22(12):873–6
Atrial natriuretic factor: a possible link between left atrium, plasma volume, adrenergic control and renin-aldosterone in the mitral valve prolapse syndrome. Pasternac A, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S76–9
Mitral valve abnormalities and catecholamine activity in anxious patients. Dager SR, et al. **Psychiatry Res** 1987 Jan; 20(1):13–8
[Mitral valve prolapse: a factor exacerbating peranesthetic anaphylactic shock] Moneret-Vautrin DA, et al. **Ann Fr Anesth Reanim** 1986;5(3):306–7 (Eng. Abstr.) **(Fre)**
[Functional evaluation of the autonomic regulation in mitral valve prolapse] Montani E, et al. **G Ital Cardiol** 1986 Nov; 16(11):934–40 (Eng. Abstr.) **(Ita)**
[Normalization of contractile dysfunction with digitalis in patients with mitral valve prolapse. Echocardiographic demonstration using the phenylephrine test] Vidalon M, et al. **Arq Bras Cardiol** 1986 Feb;46(2):141 **(Por)**
[Electro-echocardiographic correlation in mitral valve prolapse] Concepción Clemente A, et al. **Arch Inst Cardiol Mex** 1986 Nov–Dec;56(6):515–22 (Eng. Abstr.) **(Spa)**
[Maximum physiological responses in adolescent twin girls with mitral valve prolapse] Rivera MA, et al. **Bol Asoc Med PR** 1986 Jun;78(6):238–41 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Biological markers in panic states: lactate-induced panic and mitral valve prolapse. Dager SR, et al. **Biol Psychiatry** 1987 Mar;22(3):339–59
Mitral valve prolapse and neurosis [letter] Hoaken PC. **Can Med Assoc J** 1986 Nov 15;135(10):1064–5
Separation anxiety and mitral valve prolapse in a 12-year-old girl. Casat CD, et al. **J Am Acad Child Adolesc Psychiatry** 1987 May;26(3):444–6
Panic disorder: its association with mitral valve prolapse and appropriate dental management. Friedlander AH, et al. **Oral Surg Oral Med Oral Pathol** 1987 Mar;63(3):309–12

RADIONUCLIDE IMAGING

Vertical left ventricular angulation assessed by thallium 201 myocardial perfusion imaging in patients with mitral valve prolapse. Arora RR, et al. **Cathet Cardiovasc Diagn** 1986; 12(4):240–5

SURGERY

Conservative surgery for mitral valve prolapse with regurgitation: clinical follow-up and noninvasive assessment. Caidahl K, et al. **Eur Heart J** 1987 Apr; 8(4):384–94
Mitral valve replacement for lupus valvulitis. Rozman B, et al. **Z Rheumatol** 1986 Nov–Dec;45(6):322–4
[Treatment of anterior mitral valve prolapse by partial transposition of the posterior leaflet. Apropos of 7 cases] Lessana A, et al. **Arch Mal Coeur** 1986 Jul;79(8):1205–9 (Eng. Abstr.) **(Fre)**
[A turnover operation for funnel chest at the time of mitral valve replacement and simple ligature and excision of pulmonary cysts] Yagi Y, et al. **Kyobu Geka** 1986 Jul; 39(7):565–8 (Eng. Abstr.) **(Jpn)**

MITRAL VALVE STENOSIS

COMPLICATIONS

Correlation of murmurs of mitral stenosis and mitral regurgitation with presence or absence of mitral anular calcium in persons older than 62 years in a long-term health care facility. Aronow WS, et al. **Am J Cardiol** 1987 Jan 1;59(1):181–2
Dissecting aneurysm of the pulmonary trunk in mitral stenosis. Rosenson RS, et al. **Am J Cardiol** 1986 Nov 15; 58(11):1140–1
Mitral stenosis with free-floating left atrial thrombus and recurrent systemic embolisation. A case report. Przybojewski JZ, et al. **S Afr Med J** 1987 Feb 7;71(3):186–8
[Thrombi in the left atrial appendage in mitral defects despite adequate anticoagulation. The advantages of transesophageal echocardiography] Aschenberg W, et al. **Dtsch Med Wochenschr** 1987 Apr 24;112(17):663–8 (Eng. Abstr.) **(Ger)**
[Significance of the bicuspid aortic valve in the incidence of aortic valve defects in adults] Turina J, et al. **Schweiz Med Wochenschr** 1986 Nov 1;116(44):1518–23 (Eng. Abstr.) **(Ger)**
[Clinical assessment of the left atrial thrombi in 100 patients with mitral stenosis] Ohta T, et al. **Kyobu Geka** 1987 Apr; 40(5):364–7 (Eng. Abstr.) **(Jpn)**
[A case of left atrial ball thrombus associated with mitral stenosis] Seki M, et al. **Kyobu Geka** 1987 May;40(6):503–6 (Eng. Abstr.) **(Jpn)**
[A case of mitral stenosis associated with coronary embolism and review of the literature] Sakata T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Aug;34(8):1157–63 (Eng. Abstr.) **(Jpn)**

CONGENITAL

Percutaneous balloon dilatation in congenital mitral stenosis. Alday LE, et al. **Br Heart J** 1987 May;57(5):479–82
Surgical experience with reparative techniques in patients with congenital mitral valvular anomalies. Coles JG, et al. **Circulation** 1987 Sep;76(3 Pt 2):III117–22

Congenital mitral valve stenosis in infancy: a different approach to a difficult problem. Westerman GR, et al. **J Thorac Cardiovasc Surg** 1987 Aug;94(2):305–7

DIAGNOSIS

Comparison of two-dimensional and Doppler echocardiography and intracardiac hemodynamics for quantification of mitral stenosis. Gonzalez MA, et al. **Am J Cardiol** 1987 Aug 1;60(4):327–32

Effect of aortic regurgitation on the assessment of mitral valve orifice area by Doppler pressure half-time in mitral stenosis. Grayburn PA, et al. **Am J Cardiol** 1987 Aug 1; 60(4):322–6

Role of exercise Doppler echocardiography in isolated mitral stenosis. Sagar KB, et al. **Chest** 1987 Jul;92(1):27–30

A critical appraisal of M-mode echocardiography in mitral stenosis. Hradec J, et al. **Cor Vasa** 1986;28(6):419–27

The importance of quantitative Doppler in assessment of mitral stenosis. Niederle P, et al. **Cor Vasa** 1986;28(6):451–7

Holter monitoring in patients with mitral stenosis and sinus rhythm. Ramsdale DR, et al. **Eur Heart J** 1987 Feb; 8(2):164–70

Chronic constrictive pericarditis with rheumatic mitral stenosis: a case report. Ganjoo AK, et al. **Indian Heart J** 1986 Mar–Apr;38(2):158–9

Congenital absence of left pericardium with rheumatic mitral stenosis. Jaison TM, et al. **Indian Heart J** 1986 Mar–Apr; 38(2):152–4

Rheumatic mitral stenosis: accelerated and delayed types. Agarwal BL, et al. **J Indian Med Assoc** 1986 Jun; 84(6):191–3

Echocardiographic diagnosis of calcific stenosis of a stented aortic homograft in the mitral position. Horowitz MS, et al. **JCU** 1974 Sep;2(3):179–83

[Preoperative clinical and hemodynamic characteristics of patients with mitral valve defects subjected to valve prosthesis] Pelov R, et al. **Vutr Boles** 1987;26(3):27–33 (Eng. Abstr.) **(Bul)**

[Preoperative assessment of the functional capacity of patients with a mitral defect] Terzieva L. **Vutr Boles** 1986; 25(3):74–85 (Eng. Abstr.) **(Bul)**

[Correlations between echocardiographic and anatomical examinations in mitral valve diseases] Ben Romdhane S, et al. **Tunis Med** 1987 Jan;65(1):17–20 (Eng. Abstr.) **(Fre)**

[Doppler echocardiography diagnosis and classification of the degree of aortic valve insufficiency in patients with aortic stenoses and mitral valve diseases] Dittmann H, et al. **Z Kardiol** 1986 Sep;75(9):522–7 (Eng. Abstr.) **(Ger)**

[Doppler sonography quantification of mitral valve stenosis in patients with and without mitral valve insufficiency] Kronik G, et al. **Z Kardiol** 1986 Oct;75(10):598–604 (Eng. Abstr.) **(Ger)**

[Two-dimensional echocardiography in the quantification of severe mitral stenosis] Reifart N, et al. **Z Kardiol** 1986 Aug; 75(8):463–7 (Eng. Abstr.) **(Ger)**

[Role of Doppler echocardiography in the evaluation of mitral valve defects] D'Ambrosio G, et al. **Cardiologia** 1986 Dec;31(12):1195–205 **(Ita)**

[Inadequacy of M-mode echocardiographic parameters in evaluating the degree of mitral stenosis. Comparison with intraoperative findings] Sanna A, et al. **Minerva Cardioangiol** 1987 Mar;35(3):123–31 (Eng. Abstr.) **(Ita)**

[Two dimensional echocardiographic evaluation for the severity in mitral stenosis: reference to the prediction of mitral valve commissurotomy or replacement] Okamura K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Aug; 34(8):1109–15 (Eng. Abstr.) **(Jpn)**

[Non-invasive diagnosis of recurrent mitral stenosis] Ilmurzyńska K, et al. **Pol Tyg Lek** 1986 Oct 13; 41(41):1314–7 (Eng. Abstr.) **(Pol)**

[Echocardiographic evaluation of the regurgitant wave in complex mitral defect] Kuśnierz B, et al. **Pol Tyg Lek** 1986 Oct 13;41(41):1318–22 (Eng. Abstr.) **(Pol)**

[Noninvasive method of studying intracardiac and systemic hemodynamics in a mitral valve lesion by calculating the mitral regurgitation volume and mean dynamic pressure in the left atrium] Zhilin SV, et al. **Kardiologiia** 1987 Apr; 27(4):47–9 (Eng. Abstr.) **(Rus)**

[Endocardial angiofibroma simulating a mitral heart defect] Kirillov MM, et al. **Klin Med (Mosk)** 1986 Aug;64(8):120–3 **(Rus)**

[Quantitative evaluation of the degree of stenosis of the left atrioventricular ostium in patients with rheumatic mitral lesions according to the results of 2-dimensional Doppler echocardiography] Anokhin VN, et al. **Revmatologiia (Moskva)** 1986 Jul–Sep;(3):16–20 (Eng. Abstr.) **(Rus)**

[Ultrasonic Doppler echotachocardiography of the right ventricle in mitral stenosis patients] Selivonenko VG, et al. **Vrach Delo** 1987 Apr;(4):55–6 (Eng. Abstr.) **(Rus)**

[Doppler examination in the evaluation of mitral valve stenosis] Pons Lladó G, et al. **Rev Esp Cardiol** 1986;39 Suppl 2:42–7 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

The haemodynamic effects of amrinone in patients with mitral stenosis and pulmonary hypertension. Hess W, et al. **Eur Heart J** 1986 Sep;7(9):800–7

[Action of antihistaminic agents in patients with various heart pathologies undergoing surgical treatment] Bender KI, et al. **Farmakol Toksikol** 1986 Sep–Oct;49(5):67–70 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Acquired supravalvar membranous stenosis of the left atrioventricular valve. Martin RP, et al. **Br Heart J** 1987 Aug;58(2):176–8

METABOLISM

Atrial natriuretic peptide secretion in mitral stenosis. Yoshimi H, et al. **Am J Cardiol** 1987 Aug 1;60(4):396–7

PATHOLOGY

Doppler measurement of left atrial depressurization and mitral valve area in patients with suspected mitral stenosis: validation of a new method. Pearlman JD, et al. **Am Heart J** 1987 Apr;113(4):868–73

Combined mitral valve stenosis and tricuspid valve stenosis: morphologic observations after mitral and tricuspid valve replacements or mitral replacement and tricuspid valve commissurotomy. Roberts WC, et al. **Am J Cardiol** 1986 Oct 1;58(9):850–2

Mitral valve stenosis and pure tricuspid valve regurgitation: comparison of necropsy patients having simultaneous mitral and tricuspid valve replacements with necropsy patients having simultaneous mitral valve replacement and tricuspid valve anuloplasty. Sullivan MF, et al. **Am J Cardiol** 1986 Oct 1;58(9):768–80

A comparison of the assessment of mitral valve area by continuous wave Doppler and by cross sectional echocardiography. Loperfido F, et al. **Br Heart J** 1987 Apr;57(4):348–55

A study of the correlation between Doppler and cross-sectional echocardiography in the determination of the mitral valve area. Friart A, et al. **Eur Heart J** 1987 May;8(5):484–9

Application of Doppler flow mapping in assessing the severity of mitral stenosis. Veyrat C, et al. **Eur Heart J** 1987 Mar;8(3):216–23

[Determination of the severity of mitral stenosis using quantitative Doppler echocardiography] Niederle P, et al. **Cas Lek Cesk** 1987 Apr 24;126(17):522–5 (Eng. Abstr.) **(Cze)**

PHYSIOPATHOLOGY

The degree of increment in plasma catecholamines in patients with mitral stenosis by mild exercise. Ikeda J, et al. **Am Heart J** 1987 May;113(5):1103–7

The value of standardized exercise testing in the noninvasive evaluation of mitral stenosis. Vacek JL, et al. **Am J Med Sci** 1986 Dec;292(6):335–43

Hemodynamic profile of mitral stenosis. Correlation with valve area. Bassan R, et al. **Arq Bras Cardiol** 1986 Jul; 47(1):41–8

Invasive monitoring and anaesthetic management of a parturient with mitral stenosis. Hemmings GT, et al. **Can J Anaesth** 1987 Mar;34(2):182–5

Effect of nitroglycerin during hemodynamic estimation of valve orifice in patients with mitral stenosis. Halperin JL, et al. **J Am Coll Cardiol** 1987 Aug;10(2):342–8

Magnetocardiographic P waves in normal subjects and patients with mitral stenosis. Sumi M, et al. **Jpn Heart J** 1986 Sep;27(5):621–33

[2-dimensional Doppler echocardiogram of rheumatic mitral valvular lesions with tricuspid insufficiency] Huang DJ. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Jun; 14(3):157–8 **(Chi)**

[Doppler echocardiography determination of the pressure gradient and valve orifice area in mitral valve stenosis] Kraus F, et al. **Herz** 1986 Dec;11(6):323–6 (Eng. Abstr.) **(Ger)**

[The right ventricle in post-capillary pulmonary hypertension] Sanguinetti M, et al. **Cardiologia** 1986 Nov; 31(11):1011–8 **(Ita)**

[Systolic honk in mitral stenosis: a case report] Arikawa K, et al. **J Cardiogr** 1985 Dec;15(4):1275–81 (Eng. Abstr.) **(Jpn)**

[Mitral stenosis of the postoperative state evaluated by echocardiography] Hibi N, et al. **J Cardiogr** 1986 Jun; 16(2):417–26 (Eng. Abstr.) **(Jpn)**

[Pressure gradient across the mitral valve in mitral stenosis estimated by high pulse repetition frequency Doppler method] Miyazawa S, et al. **J Cardiogr** 1986 Jun; 16(2):445–55 (Eng. Abstr.) **(Jpn)**

[Continuous wave Doppler measurement of transmitral pressure gradients in mitral stenosis: comparisons with simultaneous catheterization measurements] Tei C, et al. **J Cardiogr** 1985 Dec;15(4):1097–107 (Eng. Abstr.) **(Jpn)**

[Exercise tolerance in mitral stenosis and chronic obstructive pulmonary disease: evaluation by anaerobic threshold and radionuclide ventriculography] Uenami A, et al. **J Cardiogr** 1986 Jun;16(2):301–8 (Eng. Abstr.) **(Jpn)**

[Endocrine response during open heart surgery for ischemic heart disease and mitral stenosis] Okutani R. **Masui** 1986 Jun;35(6):893–904 (Eng. Abstr.) **(Jpn)**

[Acute hemodynamic changes following mitral valve surgery] Kawauchi M. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Mar;35(3):307–17 (Eng. Abstr.) **(Jpn)**

[Quantitative analysis of left ventricular wall motion in patients with mitral valvular diseases] Murakami T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jun;34(6):846–50 (Eng. Abstr.) **(Jpn)**

[The rate of pressure rise in the ascending aorta (Ao dP/dt) in mitral stenosis] Skowrońska-Oleksik Z, et al. **Pol Arch Med Wewn** 1986 Jun;75(6):424–30 (Eng. Abstr.) **(Pol)**

[Left ventricular function in patients with mitral stenosis] Rumiński W, et al. **Wiad Lek** 1986 Dec 1;39(23):1592–7 (Eng. Abstr.) **(Pol)**

[Myocardial function of pregnant patients with mitral stenosis] Dubovenko ZA. **Vrach Delo** 1986 Nov;(11):73–5 **(Rus)**

[Exercise tests with hemodynamic control: response in mitral valvulopathy] Arós LF, et al. **Rev Esp Cardiol** 1986 Jul–Aug;39(4):269–73 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Behavioral disturbance, embolism, and mitral stenosis. Frisbie JH. **Int J Psychiatry Med** 1986–87;16(3):249–56

RADIOGRAPHY

Demonstration of mitral and aortic valves by ultrafast computed tomography. Rees MR, et al. **J Comput Tomogr** 1987 Apr;11(2):190–2

RADIONUCLIDE IMAGING

Usefulness of radionuclide angiocardiography in predicting stenotic mitral orifice area. Burns RJ, et al. **Am J Cardiol** 1986 Dec 1;58(13):1218–22

Radionuclide determination of absolute LV volumes: interstudy, interobserver and intraobserver variances. Herbst CP, et al. **Int J Rad Appl Instrum [B]** 1986; 13(1):43–7

SURGERY

Commissurotomy and pregnancy. A study of 245 cases. Matorras R, et al. **Acta Obstet Gynecol Scand** 1986; 65(8):847–52

Mechanism of percutaneous mitral valvotomy. Block PC, et al. **Am J Cardiol** 1987 Jan 1;59(1):178–9

Clinical and necropsy observations early after simultaneous replacement of the mitral and aortic valves. Roberts WC, et al. **Am J Cardiol** 1986 Nov 15;58(11):1067–84

Uterine-umbilical velocimetry in open heart surgery. Farmakides G, et al. **Am J Obstet Gynecol** 1987 May; 156(5):1221–2

Septoplasty for left ventricular outflow obstruction without aortic valve replacement: a new technique. Cooley DA, et al. **Ann Thorac Surg** 1986 Oct;42(4):445–8

Successful surgical repair in a patient with mitral stenosis, calcified left atrium and severe tricuspid regurgitation with a giant right atrium. McKenney RN, et al. **Can J Surg** 1987 Jul;30(4):264–5

Mitral valve reconstruction versus prosthetic valve replacement. Pluth JR. **Cardiovasc Clin** 1987;17(3):127–39 (49 ref.)

Effects of valvular surgery on overall and regional lung function in patients with mitral stenosis. Ohno K, et al. **Chest** 1987 Aug;92(2):224–8

Repeat mitral commissurotomy: long-term results. Peper WA, et al. **Circulation** 1987 Sep;76(3 Pt 2):III97–101

The timing of surgery in mitral and aortic valve disease. Cheitlin MD. **Curr Probl Cardiol** 1987 Feb;12(2):69–149 (251 ref.)

Cross-sectional echocardiography in recognition of left ventricular aneurysm following closed mitral valvotomy. Sharma S, et al. **Indian Heart J** 1986 May–Jun;38(3):192–4

Valvuloplasty for rheumatic mitral valve disease. A surgical challenge. Antunes MJ, et al. **J Thorac Cardiovasc Surg** 1987 Jul;94(1):44–56

Left ventricular rupture after mitral valve replacement: endocardial repair with pericardial patch. David TE. **J Thorac Cardiovasc Surg** 1987 Jun;93(6):935–6

Conservative operation for mitral stenosis with densely fibrosed or partially calcified valves. An eight-year evaluation. Eguaras MG, et al. **J Thorac Cardiovasc Surg** 1987 Jun;93(6):898–903

Reconsiderations of indications for open mitral commissurotomy based on pathologic features of the stenosed mitral valve. A fourteen-year follow-up study in 347 consecutive patients. Nakano S, et al. **J Thorac Cardiovasc Surg** 1987 Sep;94(3):336–42

The feasibility of closed mitral valvotomy in pregnancy. Vosloo S, et al. **J Thorac Cardiovasc Surg** 1987 May; 93(5):675–9

Actuarial analysis of reoperation in patients undergoing open mitral commissurotomy for mitral stenosis. Nakano S, et al. **Jpn Circ J** 1986 Sep;50(9):877–9

Long term results of mitral commissurotomy. Tanaka M, et al. **Jpn Circ J** 1986 Sep;50(9):865–70

Closed mitral valve commissurotomy in West Indian patients. Results of operative palliation (1955 to 1985). Sivapragasam S, et al. **West Indian Med J** 1986 Sep;35(3):157–62

[Percutaneous balloon mitral valvuloplasty (PBMV)] Chen CR, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Dec;14(6):321–3, 379 (Eng. Abstr.) **(Chi)**

[Mitral stenosis with notable or important subvalvular changes. Complete open commissurotomies supported by

chorda transfer] Hvass U, et al. **Arch Mal Coeur** 1986 Nov; 79(12):1776–80 (Eng. Abstr.) **(Fre)**

[Separation of a Beall Surgitool prosthesis disk 15 years after mitral valve replacement] Leising HB, et al. **Z Kardiol** 1986 Nov;75(11):688–90 (Eng. Abstr.) **(Ger)**

[Determinants of long-term prognosis following prosthetic mitral valve replacement] Schwarz F, et al. **Z Kardiol** 1986 Nov;75(11):646–9 (Eng. Abstr.) **(Ger)**

[V-A bypass combined with IABP in acute heart failure following open heart surgery] Shimoyama M, et al. **Masui** 1986 Oct;35(10):1565–8 (Eng. Abstr.) **(Jpn)**

[Follow-up study of atrial fibrillation associated with mitral stenosis after D-C cardioversion following open mitral commissurotomy] Sato S, et al. **Nippon Ge'ka Gakkai Zasshi** 1986 Nov;87(11):1491–7 (Eng. Abstr.) **(Jpn)**

[Dysfunction of the Ionescu-Shiley bioprosthesis in the mitral position] Ando F, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Nov; 34(11):2006–11 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of valvular disease with spasm of the coronary artery] Sakakibara T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Aug;34(8):1182–8 (Eng. Abstr.) **(Jpn)**

[Selection of surgical procedure for mitral stenosis based on the mitral stenosis index] Yamada M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Nov; 34(11):1909–14 (Eng. Abstr.) **(Jpn)**

[Pre-and postoperative comparative studies of mitral stenosis between the group of open mitral commissurotomy and mitral valve replacement—the assessment of quality of cardiac and valve function by dynamic exercise] Yokoyama H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Nov; 34(11):1921–30 (Eng. Abstr.) **(Jpn)**

[Value of computerized tomography of the heart in the selection of the surgical treatment method in mitral valve stenosis] Bornakowski J, et al. **Kardiol Pol** 1986; 29(9):604–12 (Eng. Abstr.) **(Pol)**

[7 years' experience with mitral valvuloplasty] Gregori Júnior F, et al. **Arq Bras Cardiol** 1986 Oct;47(4):269–74 (Eng. Abstr.) **(Por)**

[Surgical tactics in pregnant women with acquired heart lesions] Frantsev VI, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):41–3 (Eng. Abstr.) **(Rus)**

[25 years' experience in the surgery of mitral stenosis] Bogoev DN, et al. **Kardiologiia** 1987 Jun;27(6):102–4 **(Rus)**

[Closed mitral instrumental commissurotomy in thrombosis of the left auricular appendage] Frantsev VI, et al. **Sov Med** 1987;(1):64–6 **(Rus)**

[Rehabilitation of post-mitral commissurotomy patients during pregnancy] Korenevskaia IL, et al. **Sov Med** 1987; (2):73–6 **(Rus)**

[Repeat operations on patients with recurrent mitral stenosis] Savichevskiĭ MS, et al. **Vestn Khir** 1986 Jul;137(7):68–72 (Eng. Abstr.) **(Rus)**

THERAPY

Simultaneous percutaneous mitral and aortic balloon valvotomies in an elderly patient. Kritzer GL, et al. **Am Heart J** 1987 Aug;114(2):420–3

Percutaneous balloon valvulotomy for calcific rheumatic mitral stenosis. De Ubago JL, et al. **Am J Cardiol** 1987 Apr 15;59(9):1007–8

In vitro analysis of mechanisms of balloon valvuloplasty of stenotic mitral valves. Kaplan JD, et al. **Am J Cardiol** 1987 Feb 1;59(4):318–23

Percutaneous balloon valvuloplasty of mitral stenosis aided by cardiac ultrasound. Pandian NG, et al. **Am J Cardiol** 1987 Feb 1;59(4):380–1

Percutaneous mitral valvotomy in rheumatic mitral stenosis: a new approach. Commeau P, et al. **Br Heart J** 1987 Aug; 58(2):142–7

Percutaneous balloon valvotomy for patients with severe mitral stenosis. Palacios I, et al. **Circulation** 1987 Apr; 75(4):778–84

Catheter balloon valvuloplasty of aortic and mitral stenosis in adults: 1987. Rahimtoola SH. **Circulation** 1987 May; 75(5):895–901 (86 ref.)

Mechanisms of increase in mitral valve area and influence of anatomic features in double-balloon, catheter balloon valvuloplasty in adults with rheumatic mitral stenosis: a Doppler and two-dimensional echocardiographic study. Reid CL, et al. **Circulation** 1987 Sep;76(3):628–36

Percutaneous balloon valvuloplasty: long-term studies are needed [editorial] Beekman RH. **J Am Coll Cardiol** 1987 Apr;9(4):732–3

Balloon dilation of mitral stenosis in adult patients: postmortem and percutaneous mitral valvuloplasty studies. McKay RG, et al. **J Am Coll Cardiol** 1987 Apr;9(4):723–31

Cardiologists send up a trial balloon in new efforts to relieve heart failure [news] Goldsmith MF. **JAMA** 1987 Jan 16; 257(3):285–6

Catheter balloon valvuloplasty of the mitral valve in adults using a double-balloon technique. Early hemodynamic results. McKay CR, et al. **JAMA** 1987 Apr 3; 257(13):1753–61

[Rheumatic mitral stenosis. The medical solution] Losay J, et al. **Arch Fr Pediatr** 1986 Oct;43(8):633–4 (Eng. Abstr.) **(Fre)**

[Percutaneous mitral valvuloplasty in the adult. Apropos of 5 cases] Vahanian A, et al. **Arch Mal Coeur** 1986 Dec; 79(13):1896–902 (Eng. Abstr.) **(Fre)**

[Transfemoral valvuloplasty using the balloon catheter in mitral stenosis] Bussmann WD, et al. **Dtsch Med Wochenschr** 1987 May 22;112(21):842–4 (Eng. Abstr.) **(Ger)**

[Transcatheter percutaneous commissurotomy in rheumatic mitral stenosis] Ledesma Velasco M, et al. **Arch Inst Cardiol Mex** 1986 Sep-Oct;56(5):421–4 (Eng. Abstr.) **(Spa)**

[Percutaneous mitral valvulotomy in rheumatic mitral valve stenosis] de Ubago JL, et al. **Rev Esp Cardiol** 1987 Jan-Feb; 40(1):56–8 (Eng. Abstr.) **(Spa)**

[Mitral valvuloplasty with a balloon catheter in rheumatic mitral stenosis] Medina A, et al. **Rev Esp Cardiol** 1987 Mar-Apr;40(2):140–2 (Eng. Abstr.) **(Spa)**

[Mitral valvuloplasty with a double balloon in rheumatic mitral stenosis] Medina A, et al. **Rev Esp Cardiol** 1987 Jan-Feb;40(1):58–9 (Eng. Abstr.) **(Spa)**

MIXED CONNECTIVE TISSUE DISEASE

[Recent medical topics on mixed connective tissue disease (MCTD)] Tsunematsu T. **Nippon Naika Gakkai Zasshi** 1986 Oct;75(10):1385–8 (10 ref.) **(Jpn)**

CHEMICALLY INDUCED

Methyldopa-induced connective tissue disorder. Power MJ, et al. **Ulster Med J** 1986 Oct;55(2):172–4

COMPLICATIONS

The neurologic presentation of vasculitic and rheumatologic syndromes. A review. Sigal LH. **Medicine (Baltimore)** 1987 May;66(3):157–80 (260 ref.)

Intracranial multiple berry aneurysms associated with fibromuscular dysplasia and mixed connective tissue disease—case report. Masuzawa T, et al. **Neurol Med Chir (Tokyo)** 1987 Jan;27(1):42–50

Renal involvement in mixed connective tissue disease: a longitudinal clinicopathologic study. Kitridou RC, et al. **Semin Arthritis Rheum** 1986 Nov;16(2):135–45

Recurrent aseptic meningitis as a manifestation of mixed connective tissue disease (MCTD). Harris GJ, et al. **Wis Med J** 1987 Mar;86(3):31–3

[Sharp's syndrome and cancer (letter)] Baudot N, et al. **Rev Med Interne** 1986 Sep;7(4):442 **(Fre)**

[Selective immune deficiency in IgA. Intestinal malabsorption syndrome and mixed connective tissue disease] Zaoui A, et al. **Rev Med Interne** 1987 May-Jun;8(3):320–3 (Eng. Abstr.) **(Fre)**

[Myocarditis and arrhythmia in mixed connective tissue disease] Bodolay E, et al. **Orv Hetil** 1987 Mar 22; 128(12):635–7 (Eng. Abstr.) **(Hun)**

[A case of mixed connective tissue disease with involvement of the nervous system] Plamieniak Z, et al. **Pol Tyg Lek** 1987 Feb 23;42(8):229–31 (Eng. Abstr.) **(Pol)**

[Pulmonary involvement in dermatomyositis, Sjogren's disease and mixed connective tissue disease] Grisanti M, et al. **Rev Med Chil** 1986 Dec;114(12):1196–202 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Transverse myelitis in mixed connective tissue disease. Pedersen C, et al. **Clin Rheumatol** 1987 Jun;6(2):290–2

IMMUNOLOGY

Spontaneous formation of an anti-S alloantibody in association with mixed connective tissue disease. Pepkowitz SH, et al. **Ann Clin Lab Sci** 1987 Jan-Feb;17(1):60–2

Fluctuations in anti-nRNP levels in patients with mixed connective tissue disease are related to disease activity as part of a polyclonal B cell response. Houtman PM, et al. **Ann Rheum Dis** 1986 Oct;45(10):800–8

Clinical implications of ribonucleoprotein antibody. Rasmussen EK, et al. **Arch Dermatol** 1987 May; 123(5):601–5

Nuclear ribonucleoprotein immune complexes in pericardial fluid of a patient with mixed connective tissue disease. Negoro N, et al. **Arthritis Rheum** 1987 Jan;30(1):97–101

Defective production of leucocytic endogenous mediator (interleukin 1) by peripheral blood leucocytes of patients with systemic sclerosis, systemic lupus erythematosus, rheumatoid arthritis and mixed connective tissue disease. Whicher JT, et al. **Clin Exp Immunol** 1986 Jul;65(1):80–9

Clinical significance of U1-RNP immune complexes in mixed connective tissue disease and systemic lupus erythematosus. Negoro N, et al. **Rheumatol Int** 1987;7(1):7–11

PATHOLOGY

Mixed connective tissue disease in children. Singsen BH, et al. **Arthritis Rheum** 1977 Mar;20(2 Suppl):355–60

[Mixed disease of the connective tissue with polymyositic predominance. Description of a case with a rapid and fatal course (letter)] Montero J, et al. **Rev Clin Esp** 1986 Dec; 179(9):479–80 **(Spa)**

MIXED FUNCTION OXIDASES

Conformation between the substrate-binding site and heme of cytochrome P-450 studied by excitation energy transfer. Omata Y, et al. **Biochim Biophys Acta** 1987 Mar 18; 912(1):115–23

ANALYSIS

Effect of ellipticine on MFO activity in single living 3T3 fibroblasts studied by microspectrofluorimetry. Lahmy S, et al. **Anticancer Res** 1987 May-Jun;7(3 Pt B):353–9

Impairment of the hepatic microsomal drug-metabolizing system in rats parasitized with Nippostrongylus brasiliensis. Tekwani BL, et al. **Biochem Pharmacol** 1987 Apr 15; 36(8):1383–6

Hepatic microsomal mixed-function oxidase activity in ethanol-treated hamsters and its consequences on the bioactivation of aromatic amines to mutagens. Ioannides C, et al. **Chem Biol Interact** 1986 Sep;59(2):129–39

[Mixed function oxidase isolated from human gastric epithelium in Fujian Province, a high incidence area of stomach cancer, and its role in the metabolism of diethylnitrosamine] Wu DF. **Chung Hua Chung Liu Tsa Chih** 1986 Mar;8(2):100–2 (Eng. Abstr.) **(Chi)**

ANTAGONISTS & INHIBITORS

Differences in the in vivo and in vitro effects of the carbamate insecticide, carbaryl on rat hepatic monooxygenases. Knight EV, et al. **Drug Chem Toxicol** 1986;9(3-4):253–73

Effect of aflatoxin B1 on some liver microsomal enzymes in mice fed cyanide supplemented diets. Obidoa O, et al. **Drug Chem Toxicol** 1986;9(3-4):323–31

Inhibition of microsomal NAD(P)H oxidation by Triton X-100. Boutin JA. **J Biochem Biophys Methods** 1986 Oct; 13(3):171–8

L-lactate-2-monooxygenase. Sequence of peptides containing residues modified by 1-fluoro-2,4-dinitrobenzene. Giegel DA, et al. **J Biol Chem** 1987 Apr 25;262(12):5705–10

Drugs other than H2-receptor antagonists as clinically important inhibitors of drug metabolism in vivo. Gugler R, et al. **Pharmacol Ther** 1987;33(1):133–7 (19 ref.)

BIOSYNTHESIS

Induction of hepatic microsomal mixed function oxidase system by ethylenethiourea in mice. Meneguz A, et al. **Arch Toxicol [Suppl]** 1986;9:346–50

Long-term maintenance of monooxygenase activities in cultured fetal rat hepatocytes. Bollinne A, et al. **Cell Differ** 1987 Sep;21(4):239–46

Categorization of lipophilic xenobiotics by the enthalpic structure-function response of hepatic mixed-function oxidase. Hollebone BR. **Drug Metab Rev** 1986; 17(1-2):93–143 (226 ref.)

Inducing effect of feprazone on hepatic drug-metabolizing enzymes in man. Morita K, et al. **Eur J Clin Pharmacol** 1986;31(1):117–8

Temelastine, a novel histamine H1-receptor antagonist, does not induce oxidative hepatic enzyme activity in man. de Mey C, et al. **Eur J Drug Metab Pharmacokinet** 1987 Jan-Mar;12(1):65–9

Differential induction of mixed-function oxidase (MFO) activity in rat liver and intestine by diets containing processed cabbage: correlation with cabbage levels of glucosinolates and glucosinolate hydrolysis products. McDanell R, et al. **Food Chem Toxicol** 1987 May; 25(5):363–8

Differences in H-2 recombinant mice in the beta-naphthoflavone inducibility of the mixed function monooxygenase, P1-450. Koizumi A, et al. **Immunogenetics** 1987;26(3):169–73

Note on the enzyme assay for urinary D-glucaric acid and correlation with rifampicin-induced mixed function oxidase activity. Perry W, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Nov;24(11):609–13

Dose requirements, assay procedures and tissue specificity for PCB inductation of P-450 dependent mono-oxygenase activity in the rat: implications for design of studies measuring in vivo induction of human placental mono-oxygenases. Wong TK, et al. **J Appl Toxicol** 1987 Apr;7(2):81–90

Induction of the hepatic mixed-function oxidase system by synthetic glucocorticoids. Transcriptional and post-transcriptional regulation. Simmons DL, et al. **J Biol Chem** 1987 Jan 5;262(1):326–32

Role of dietary corn oil in the function of hepatic drug and carcinogen metabolizing enzymes of starved-refed rats: response to the mixed function oxidase inducer, 3-methylcholanthrene. Wade AE, et al. **J Environ Pathol Toxicol Oncol** 1987 Jan-Feb;7(3):11–9

Ascorbic acid requirement for the induction of microsomal drug-metabolizing enzymes in a rat mutant unable to synthesize ascorbic acid. Horio F, et al. **J Nutr** 1986 Nov; 116(11):2278–89

Induction of mixed-function oxidase activity in mouse lymphoid tissues by polycyclic aromatic hydrocarbons. Griffin GD, et al. **J Toxicol Environ Health** 1986; 19(2):185–94

Clotrimazole induction of cytochrome P-450: dose-differentiated isozyme induction. Ritter JK, et al. **Mol Pharmacol** 1987 Feb;31(2):135–9

Mechanisms of monooxygenase induction and inhibition. Netter KJ. **Pharmacol Ther** 1987;33(1):1–9 (12 ref.)

A time-course investigation of vitamin A levels and drug

metabolizing enzyme activities in rats following a single treatment with prototypic polychlorinated biphenyls and DDT. Azais V, et al. **Toxicology** 1987 Jun;44(3):341–54

Effect of PCB on some MFO enzyme activities in pregnant and virgin rabbits. Montesissa C, et al. **Vet Res Commun** 1987;11(1):57–64

Induction of xenobiotic-metabolizing enzymes and peroxisome proliferation in rat liver caused by dietary exposure to di(2-ethylhexyl)p. sphate. Lundgren B, et al. **Xenobiotica** 1987 May;17(5):585–93

[Metabolism of the pesticide trichlorometaphos-3 and its effect on the monooxygenase system depending upon the supply of lysine, methionine, threonine and vitamins A, B and C] Bakanov ShA, et al. **Vopr Med Khim** 1986 Jul-Aug;32(4):98–102 (Eng. Abstr.) **(Rus)**

DEFICIENCY

[Hypoaldosteronism caused by 18-hydroxydehydrogenase deficiency (or type II corticosterone-methyl-oxidase) (letter)] Chassevent J, et al. **Ann Med Interne (Paris)** 1986; 137(7):607–8 **(Fre)**

METABOLISM

The metabolism of benzene and phenol by a reconstituted purified phenobarbital-induced rat liver mixed function oxidase system. Griffiths JC, et al. **Adv Exp Med Biol** 1986; 197:213–22

Drug-metabolizing enzyme activities in the liver and intestine of rats exposed to DDT: effects of vitamin A status. de Waziers I, et al. **Arch Environ Contam Toxicol** 1987 May; 16(3):343–8

Studies on liver toxicants. Mixed-function oxidase activities and hemoprotein contents in livers of rats poisoned with bromobenzene. Beyhl FE, et al. **Arch Toxicol** 1987; 60(1-3):109–11

Expression and inducibility of drug-metabolizing enzymes in preneoplastic and neoplastic lesions of rat liver during nitrosamine-induced hepatocarcinogenesis. Kunz HW, et al. **Arch Toxicol** 1987;60(1-3):198–203

Effects of dietary fat and aflatoxin B1 on microsomal monooxygenase activity. Nyandieka HS. **Arch Toxicol** 1987;60(1-3):59–60

Human liver debrisoquine 4-hydroxylase: test for specificity toward various monooxygenase substrates and model of the active site. Wolff T, et al. **Arch Toxicol** 1987; 60(1-3):89–90

Effect of acute acetaldehyde inhalation on rat liver microsomal mixed function oxidase system. Shiohara E, et al. **Arukoru Kenkyuto Yakubutsu Ison** 1986 Sep; 21(3):216–23

Strain differences in the maintenance of cytochrome P-450 and mixed-function-oxidase activities in cultured rat hepatocytes. Effect of prostaglandins. Grant MH, et al. **Biochem J** 1986 Nov 1;239(3):785–8

Human adult hepatocytes in primary monolayer culture. Maintenance of mixed function oxidase and conjugation pathways of drug metabolism. Grant MH, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2311–6

Maintenance of nicotinamide dinucleotide phosphate content and oxidation-reduction state during mixed-function oxidation of p-nitroanisole in isolated perfused livers of various species. Kauffman FC, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):1083–90

Changes in rat hepatic microsomal mixed function oxidase activity following exposure to halothane under various oxygen concentrations. Knights KM, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):897–906

The effect of lipid composition on the metabolism of lignocaine by a reconstituted mixed function oxidase system from rat liver. Meftah NM, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1203–7

Stimulation of mixed-function oxidation by NADPH in perfused mouse livers. Studies with saponin-permeabilized tissue. Wu YR, et al. **Biochem Pharmacol** 1986 Oct 15; 35(20):3607–12

Needle enzyme electrodes for biological studies. Churchouse SJ, et al. **Biosensors** 1986;2(6):325–42

The effect of cigarette smoking on 7-ethoxyresorufin O-deethylase and other monooxygenase activities in human liver: analyses with monoclonal antibodies. Pelkonen O, et al. **Br J Clin Pharmacol** 1986 Aug;22(2):125–34

Increase of organochlorines and MFO activity in water birds wintering in an Italian lagoon. Fossi C, et al. **Bull Environ Contam Toxicol** 1986 Oct;37(4):538–43

Hepatic drug-metabolizing enzymes in primary and secondary tumors of human liver. el Mouelhi M, et al. **Cancer Res** 1987 Jan 15;47(2):460–6

Effects of 1-nitropyrene pretreatment on the mixed-function oxidases of the rat liver. He SX, et al. **Chung Kuo Yao Li Hsueh Pao** 1987 Jan;8(1):53–7

Mixed function oxidase activity in the harbour seal (Phoca vitulina) from Sable Is., N.S. Addison RF, et al. **Comp Biochem Physiol [C]** 1986;85(1):121–4

Review and perspective on the use of mixed-function oxygenase enzymes in biological monitoring. Payne JF, et al. **Comp Biochem Physiol [C]** 1987;86(2):233–45 (96 ref.)

Activities and toxicological significance of hepatic microsomal enzymes of the kestrel (Falco tinnunculus) and sparrowhawk (Accipiter nisus). Walker CH, et al. **Comp Biochem Physiol [C]** 1987;86(2):379–82

Hepatic mixed function oxidase system and enzymatic glucose metabolism in rats. Karvonen I, et al. **Diabetes Res** 1987 Apr;4(4):195–200

Relationship between changes in seromucoid concentrations and the rate of oxidation or acetylation of several substrates. Kobusch AB, et al. **Drug Metab Dispos** 1986 Nov-Dec; 14(6):663–7

Effect of cimetidine or ranitidine pretreatment on hepatic mixed function oxidase activity in the rat. Yee NS, et al. **Drug Metab Dispos** 1986 Sep-Oct;14(5):580–4

Effect of aluminum on the hepatic mixed function oxidase and drug metabolism. Bidlack WR, et al. **Drug Nutr Interact** 1987;5(1):33–42

Effects of levels of feed restriction on in vivo and in vitro alterations in drug metabolism and associated enzymes. Sachan DS, et al. **Drug Nutr Interact** 1986;4(4):363–70

Influence of dietary menhaden oil on the enzymes metabolizing drugs and carcinogens. Wade AE, et al. **Drug Nutr Interact** 1986;4(4):339–47

Xenobiotic-metabolizing enzyme systems in test fish. I. Comparative studies of liver microsomal monooxygenases. Funari E, et al. **Ecotoxicol Environ Safety** 1987 Feb; 13(1):24–31

Cytochrome P-450 isozymes and monooxygenase activity in aquatic animals. Stegeman JJ, et al. **Environ Health Perspect** 1987 Apr;71:87–95 (65 ref.)

Selective reduction of hepatic cytochrome P450 content in patients with intrahepatic cholestasis. A mechanism for impairment of microsomal drug oxidation. Kawata S, et al. **Gastroenterology** 1987 Feb;92(2):299–303

Changes in the microsomal mixed function oxidase system with long-term trichloroethylene administration. Kawamoto T, et al. **Ind Health** 1987;25(2):89–92

Changes in mixed-function oxidase system in the perfused liver of the cold-acclimated rat. Takano T, et al. **Int J Biometeorol** 1986 Sep;30(3):239–47

Effects of allopurinol, (+)-cyanidanol-3 and dihydroquinoline-type antioxidants on rat hepatic microsomal cytochrome P-450 and monooxygenases. Horváth T, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Apr;25(4):201–3

The influence of dose of phenobarbital and interval to measurement on concentration of liver enzymes in barrows and gilts. Thomford PJ, et al. **J Anim Sci** 1986 Oct; 63(4):1184–90

Biological effects of acetomycin. II. Inactivation by esterases in vitro. Mamber SW, et al. **J Antibiot (Tokyo)** 1987 Jan; 40(1):77–80

Age-related changes in oxidized proteins. Oliver CN, et al. **J Biol Chem** 1987 Apr 25;262(12):5488–91

Posttranslational modifications of the cytochrome P-450 monooxygenase system. Pyerin W, et al. **J Cancer Res Clin Oncol** 1987;113(2):155–9

Identification of resistance mechanisms in Culex pipiens (Diptera: Culicidae) from southern France: insensitive acetylcholinesterase and detoxifying oxidases. Raymond M, et al. **J Econ Entomol** 1986 Dec;79(6):1452–8

Corticosterone methyloxidase II activity during hemodialysis. Zager PG, et al. **J Lab Clin Med** 1987 Feb; 109(2):178–83

Effect of phenobarbital on the distribution of drug metabolizing enzymes between periportal and perivenous rat hepatocytes prepared by digitonin-collagenase liver perfusion. Bengtsson G, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):663–7

Structure-activity relationships of dietary indoles: a proposed mechanism of action as modifiers of xenobiotic metabolism. Bradfield CA, et al. **J Toxicol Environ Health** 1987; 21(3):311–23

Action of carbon tetrachloride in the reconstituted monooxygenase system using partially purified cytochrome P-450 and P-448. Masuda Y, et al. **Jpn J Pharmacol** 1987 Feb;43(2):226–9

Effect of Plasmodium yoelii nigeriensis infection and chloroquine on the hepatic mixed function oxidase system of mice. Saxena N, et al. **Mol Biochem Parasitol** 1987 Jul; 24(3):283–7

NADPH as rate-limiting factor for microsomal metabolism. An alternative and economic NADPH-generating system for microsomal mono-oxygenase in in vitro genotoxicity studies. Paolini M, et al. **Mutat Res** 1987 May;178(1):11–20

A test using cultured cells with induced mixed-function oxygenase in the unscheduled DNA synthesis assay for detecting promutagens/procarcinogens. Sun L, et al. **Mutat Res** 1987 May;191(1):45–51

BP metabolism and the in vivo binding to hepatic DNA of rats fed diets containing menhaden fish oil. Dharwadkar SM, et al. **Nutr Cancer** 1987;10(3):163–70

The urinary 6 beta-hydroxycortisol excretion in man on inducers and inhibitors of the hepatic mixed function oxidase. Desager JP, et al. **Pharmacol Ther** 1987;33(1):197–9

Cytochrome P-450--catalyzed formation of delta 4-VPA, a toxic metabolite of valproic acid. Rettie AE, et al. **Science** 1987 Feb 20;235(4791):890–3

Effect of a mixed function oxidase inducer and inhibitor on monocrotaline pyrrole pneumotoxicity. Bruner LH, et al. **Toxicol Appl Pharmacol** 1986 Sep 30;85(3):416–27

Effect of flavanone on mixed-function oxidase and conjugation reactions in rats. Trela BA, et al. **Xenobiotica** 1987 Jan;17(1):11–6

[Changes in hepatic enzyme activities of drug metabolism in rats exposed to normobaric oxygen] Nasraoui A, et al. **C R Acad Sci [III]** 1986;302(20):687–9 (Eng. Abstr.) **(Fre)**

[Detection of a system of microsomal monooxygenases in the rodent malaria parasite Plasmodium berghei] Chekhonadskikh TV, et al. **Biokhimiia** 1987 Mar; 52(3):381–6 (Eng. Abstr.) **(Rus)**

[Evaluation of the functional state of the hepatocyte monooxygenase system in rats with damaged innervation of the liver] Mal'tseva IK, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):491–2 (Eng. Abstr.) **(Rus)**

[Cytochrome P-450-dependent monooxygenases and their relation to bioluminescence and biochemiluminescence] Danilov VS. **Dokl Akad Nauk SSSR** 1987;294(6):1477–80 **(Rus)**

[Chloroquine metabolism in the mono-oxygenase system of mouse liver microsomes] Sakharova OD, et al. **Vopr Med Khim** 1986 Nov-Dec;32(6):55–7 (Eng. Abstr.) **(Rus)**

MIXED FUNCTION OXYGENASES see **MIXED FUNCTION OXIDASES**

MIXED LEUKOCYTE CULTURE TEST see **LEUKOCYTE CULTURE TEST, MIXED**

MIXED SALIVARY GLAND TUMOR

ANALYSIS

Expression of glial filament protein (GFP) in nerve sheaths and non-neural cells re-examined using monoclonal antibodies, with special emphasis on the co-expression of GFP and cytokeratins in epithelial cells of human salivary gland and pleomorphic adenomas. Achstätter T, et al. **Differentiation** 1986;31(3):206–27

DIAGNOSIS

Benign pleomorphic adenomas of the salivary glands: surface coil MR imaging versus CT. Mirich DR, et al. **J Comput Assist Tomogr** 1987 Jul-Aug;11(4):620–3

Differential diagnosis and surgical management of parapharyngeal masses: review and an unusual illustrative case. Pedlar J, et al. **Oral Surg Oral Med Oral Pathol** 1987 Apr;63(4):412–6

DRUG THERAPY

Chemotherapy for salivary gland cancer. Kaplan MJ, et al. **Otolaryngol Head Neck Surg** 1986 Sep;95(2):165–70

ENZYMOLOGY

Immunohistochemical localization of amylase in sialoadenitis and salivary gland tumors. Sumitomo S, et al. **J Oral Pathol** 1986 Aug;15(7):381–5

FAMILIAL & GENETIC

Aberrations of chromosome 8 in mixed salivary gland tumors--cytogenetic findings on seven cases. Bullerdiek J, et al. **Cancer Genet Cytogenet** 1987 Feb;24(2):205–12

Polyclonal chromosomal evolution in a benign mixed salivary gland tumor. Mark J, et al. **Cancer Genet Cytogenet** 1987 Oct;28(2):237–43

MORTALITY

[Carcinoma of salivary glands--a clinical analysis of 342 cases] Yu GY, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Sep;8(5):395–8 (Eng. Abstr.) **(Chi)**

PATHOLOGY

Clear cell carcinoma arising in pleomorphic adenoma of the salivary gland. Littman CD, et al. **Am J Clin Pathol** 1987 Aug;88(2):239–43

Metastatic malignant mixed tumor of the skin. Ultrastructural and immunocytochemical characterization, histogenetic considerations and comparison with benign mixed tumors of skin and salivary glands. Pinto de Moraes H, et al. **Appl Pathol** 1986;4(3):199–208

Pleomorphic adenoma of the cheek. Cohen MA. **Int J Oral Maxillofac Surg** 1986 Dec;15(6):777–9

Slowly enlarging, nontender mass in the right submandibular region. Correll RW, et al. **J Am Dent Assoc** 1986 Oct; 113(4):667–8

Histochemical detection of myoepithelial cells in pleomorphic adenoma with azophloxine and amidoblack. Triantafyllou AG. **J Oral Med** 1986 Jul-Sep;41(3):184–8

Benign mixed tumor of the mandible 17 years after the occurrence of a similar lesion in the parotid gland. Drinkard DW, et al. **Oral Surg Oral Med Oral Pathol** 1986 Oct; 62(4):381–4

Aspiration cytology of salivary glands. Geisinger KR, et al. **Semin Diagn Pathol** 1986 Aug;3(3):219–26

[Malignant mixed tumor of the salivary glands: a clinicopathological analysis of 15 cases] Li XX. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jan;21(1):42–3 **(Chi)**

[Pleomorphic adenoma of the salivary glands. Histogenesis, cellular differentiation, tumor marker] Caselitz J. **Veroff Pathol** 1987;126:1–253 **(Ger)**

RADIOGRAPHY

Bilateral synchronous mixed tumors of the parotid glands. Sataloff RT, et al. **Arch Otolaryngol Head Neck Surg** 1987

Aug;113(8):880–1

SURGERY

Treatment of parotid gland tumours by conservative parotidectomy. Maimaris CV, et al. **Br J Surg** 1986 Nov; 73(11):897

Resuscitative laser photoresection of a tracheal tumour before elective surgery. George PJ, et al. **Thorax** 1986 Oct; 41(10):812–3

MIYAGAWANELLA see **CHLAMYDIA**

MIYAGAWANELLA INFECTIONS see **CHLAMYDIA INFECTIONS**

MK-135 see **CHOLESTYRAMINE**

MK-421 see **ENALAPRIL**

MK-485 see **CARBIDOPA**

MK-486 see **CARBIDOPA**

MMPI

Predictive value of MMPI scales on smoking cessation programs outcomes. Cottraux J, et al. **Acta Psychiatr Belg** 1986 Jul–Aug;86(4):463–9

Behavioral indicators of hallucinosis in levodopa–treated Parkinson's disease. Glantz RH, et al. **Adv Neurol** 1987; 45:417–20

A scale for measuring patients' ability to cope [letter] French AP, et al. **Am J Psychiatry** 1987 Mar;144(3):389

Natural killer cell activity and MMPI scores of a cohort of college students. Heisel JS, et al. **Am J Psychiatry** 1986 Nov;143(11):1382–6

Elevated MMPI scores for hypochondriasis, depression, and hysteria in patients with rheumatoid arthritis reflect disease rather than psychological status. Pincus T, et al. **Arthritis Rheum** 1986 Dec;29(12):1456–66

MMPI patterns in chronic muscle pain, tension headache, and migraine. Ellertsen B, et al. **Cephalalgia** 1987 Mar; 7(1):65–71

MMPI profiles in migraine before and after biofeedback treatment. Minnesota Multiphasic Personality Inventory. Ellertsen B, et al. **Cephalalgia** 1987 Jun;7(2):101–8

Inpatients with Briquet's syndrome: presence of additional psychiatric syndromes and MMPI results. Liskow B, et al. **Compr Psychiatry** 1986 Sep–Oct;27(5):461–70

Urinary phenylethylamine correlates positively with hypomania, and negatively with depression, paranoia, and social introversion on the MMPI. Moises HW, et al. **Eur Arch Psychiatry Neurol Sci** 1986;236(2):83–7

Psychopathology in volunteers for headache research: initial versus later respondents. McAnulty DP, et al. **Headache** 1986 Jan;26(1):37–8

The utility of MMPI subtypes for the prediction of weight loss after bariatric surgery. Minnesota Multiphasic Personality Inventory. Barrash J, et al. **Int J Obes** 1987; 11(2):115–28

MMPI alcoholic subtypes: replicability and validity of the 2–8–7–4 subtype. Morey LC, et al. **J Abnorm Psychol** 1987 May;96(2):164–6

Cluster analysis of Minnesota Multiphasic Personality Inventory (MMPI) profiles in a chronic headache population. Rappaport NB, et al. **J Behav Med** 1987 Feb; 10(1):49–60

A multimethod evaluation of the MMPI in a chronic pain patient sample. Adams KM, et al. **J Clin Psychol** 1986 Nov; 42(6):878–86

An MMPI–based clinical typology for inpatient alcoholic males: derivation and interpretation. Alfano AM, et al. **J Clin Psychol** 1987 Jul;43(4):431–7

MMPI and intelligence correlates: assessment of relationships via multivariate analyses. Caspy T, et al. **J Clin Psychol** 1987 Jul;43(4):415–21

Relationship of borderline syndrome disorders to early schizophrenia on the MMPI. Edell WS. **J Clin Psychol** 1987 Mar;43(2):163–76

An investigation of the utility of an MMPI posttraumatic stress disorder subscale. Gayton WF, et al. **J Clin Psychol** 1986 Nov;42(6):916–7

Comparison of MMPI clinical scale and critical item changes of adult outpatients and parents of child psychiatry outpatients during the 1970s. Holmes GR, et al. **J Clin Psychol** 1986 Nov;42(6):913–6

Key determinants of the MMPI–PTSD subscale: treatment considerations. Hyer L, et al. **J Clin Psychol** 1987 May; 43(3):337–40

MMPI overreporting by Vietnam combat veterans. Hyer L, et al. **J Clin Psychol** 1987 Jan;43(1):79–83

A manifest anxiety scale from the MMPI–168. King MG, et al. **J Clin Psychol** 1986 Sep;42(5):748–51

MMPI evaluation of erectile dysfunction: failure of organic vs. psychogenic decision rules. Levenson H, et al. **J Clin Psychol** 1986 Sep;42(5):752–4

The assessment of denial and physical complaints: the validity of the Hy scale and associated MMPI signs. McGrath RE, et al. **J Clin Psychol** 1986 Sep;42(5):754–60

Effectiveness of the Mini–Mult in detecting MMPI pathology in the blind. Needham WE, et al. **J Clin Psychol** 1986 Nov; 42(6):887–90

An MMPI analysis of similarities and differences in three classifications of eating disorders: anorexia nervosa, bulimia, and morbid obesity. Scott RL, et al. **J Clin Psychol** 1986 Sep;42(5):708–13

MMPI–based personality types among juvenile sexual offenders. Smith WR, et al. **J Clin Psychol** 1987 Jul; 43(4):422–30

Utility of the MMPI Pain Assessment Index in predicting outcome after lumbar surgery. Turner JA, et al. **J Clin Psychol** 1986 Sep;42(5):764–9

Factor structure of the Adolescent Multiphasic Personality Inventory in a psychiatric population. Vincent KR, et al. **J Clin Psychol** 1987 Mar;43(2):251–3

A cross–validation of the Keane and Penk MMPI scales as measures of post–traumatic stress disorder. Watson CG, et al. **J Clin Psychol** 1986 Sep;42(5):727–32

Frequency of MMPI two–point code types among sex offenders. Erickson WD, et al. **J Consult Clin Psychol** 1987 Aug;55(4):566–70

Structural stability of the MMPI in adult males. Finn SE. **J Consult Clin Psychol** 1986 Oct;54(5):703–7

Ethnicity and MMPI performance: a review. Greene RL. **J Consult Clin Psychol** 1987 Aug;55(4):497–512

Differences in MMPI profiles with the norms of Colligan et al. Miller HR, et al. **J Consult Clin Psychol** 1986 Dec; 54(6):843–5

Typological analysis of MMPI personality patterns of drug dependent men. Tosi DJ, et al. **J Gen Psychol** 1986 Oct; 113(4):329–39

Correlations of MMPI factor scales with measures of the five factor model of personality. Costa PT Jr, et al. **J Pers Assess** 1986 Winter;50(4):640–50

The influence of elevated F scales on the validity of adolescent MMPI profiles. Gallucci NT. **J Pers Assess** 1987 Spring;51(1):133–9

The prediction of drug use among college students from MMPI, MCMI, and sensation seeking scales. Jaffe LT, et al. **J Pers Assess** 1987 Summer;51(2):243–53

Anxiety and anger as predictors of MMPI elevations in chronic pain patients. Kinder BN, et al. **J Pers Assess** 1986 Winter;50(4):651–61

Alternative scoring system of repeated items on the MMPI: caveat emptor. McGrath RE, et al. **J Pers Assess** 1986 Summer;50(2):182–5

MMPI predictors of mania among psychiatric inpatients. Post RD, et al. **J Pers Assess** 1986 Summer;50(2):248–56

A reevaluation of the use of the MMPI in the assessment of combat–related posttraumatic stress disorder. Vanderploeg RD, et al. **J Pers Assess** 1987 Spring; 51(1):140–50

Screening for psychopathology in groups of black and white prison inmates by means of the MMPI. Walters GD. **J Pers Assess** 1986 Summer;50(2):257–64

The MMPI, prototypal typology, and borderline personality disorder. Widiger TA, et al. **J Pers Assess** 1986 Winter; 50(4):540–53

The predictive validity of subtle and obvious empirically derived psychological test items under faking conditions. Worthington DL, et al. **J Pers Assess** 1986 Summer; 50(2):171–81

Similarities in self–depictions of female alcoholics and psychiatric outpatients: examination of Eysenck's dimension of emotionality in women. MacAndrew C. **J Stud Alcohol** 1986 Nov;47(6):478–84

Pretreatment MMPI profiles of A.A. members and nonmembers. Thurstin AH, et al. **J Stud Alcohol** 1986 Nov; 47(6):468–71

Minnesota Multiphasic Personality Inventory profiles of enlisted Air Force and Army men arrested for driving while intoxicated: a comparison of single– and multiple–incident offenders. Hartz GW, et al. **Milit Med** 1987 Apr;152(4):187–9

Dexamethasone suppression test and MMPI scales. Ansseau M, et al. **Neuropsychobiology** 1986;16(2–3):68–71

Medical and psychologic characteristics of women presenting with premenstrual symptoms [letter] Freeman EW, et al. **Obstet Gynecol** 1987 Jul;70(1):142–3

Biofeedback and tension headaches: prognostic utility of the MMPI [letter] Collet L. **Pain** 1987 May;29(2):267–9

Pain and personality profiles in burning mouth syndrome. Grushka M, et al. **Pain** 1987 Feb;28(2):155–67

The MMPI and psychological factors in chronic low back pain: a review. Love AW, et al. **Pain** 1987 Jan;28(1):1–12 (73 ref.)

MMPI profiles of normal people who display frequent temporal–lobe signs. Persinger MA. **Percept Mot Skills** 1987 Jun;64(3 Pt 2):1112–4

Positive correlations between temporal lobe signs and hypnosis induction profiles: a replication. Ross J, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 1):828–30

MMPI profiles in anorexia nervosa patients with and without major depression. Biederman J, et al. **Psychiatry Res** 1986 Oct;19(2):147–54

Prediction of marital roles from normal and pathological dimensions of personality: 16 PF and MMPI. Barton K, et al. **Psychol Rep** 1986 Oct;59(2 Pt 1):459–68

MMPI indicators of long–term therapy in a college counseling center. Elliott TR, et al. **Psychol Rep** 1987 Feb; 60(1):79–84

Utility of the Mini–Mult in a community mental health setting. Franco JN. **Psychol Rep** 1986 Oct;59(2 Pt 2):959–62

Use of the Harris and Lingoes Depression MMPI. Subscales in assessing later life. Hyer L, et al. **Psychol Rep** 1987 Jun; 60(3 Pt 2):1291–7

MacAndrew Alcoholism Scale and repression: detection of false negatives, a failure to replicate. Kennedy BP, et al. **Psychol Rep** 1987 Jun;60(3 Pt 1):839–42

MMPI assessment of posttraumatic stress disorder among alcoholic Vietnam veterans. Koretzky MB, et al. **Psychol Rep** 1987 Apr;60(2):359–65

MMPI derived scales of Eysenck's factors and their relationship to anger and aggression. Schill T, et al. **Psychol Rep** 1987 Apr;60(2):537–8

MMPI F, 4, and 9 as a measure of aggression in a college sample. Schill T, et al. **Psychol Rep** 1986 Oct;59(2 Pt 2):949–50

MMPI differences among three diagnostic groups of Mexican–American state hospital patients. Velásquez RJ, et al. **Psychol Rep** 1987 Jun;60(3 Pt 2):1071–4

Minnesota Multiphasic Personality Inventory as a predictor of operative results in thoracic outlet syndrome. Snider HC, et al. **South Med J** 1986 Dec;79(12):1527–30

The differential utility of the Minnesota Multiphasic Personality Inventory. A predictor of outcome in lumbar laminectomy for disc herniation versus spinal stenosis. Herron LD, et al. **Spine** 1986 Oct;11(8):847–50

[Gastro–esophageal reflux, personality study by the Minnesota Multiphasic Personality Inventory (MMPI)] Veyrac M, et al. **Ann Gastroenterol Hepatol (Paris)** 1987 May;23(3):123–7 (Eng. Abstr.) **(Fre)**

[Use of the Minnesota Multiphasic Personality Inventory (MMPI) in the evaluation of personality disorders in patients with bronchial asthma] Franiczek W, et al. **Wiad Lek** 1987 Feb 1;40(3):158–62 (Eng. Abstr.) **(Pol)**

MNSS BLOOD-GROUP SYSTEM

Blood grouping with monoclonal anti–N antibodies. Fletcher A, et al. **Aust J Exp Biol Med Sci** 1986 Jun;64 (Pt 3):215–22

Characterization of the Ss sialoglycoprotein and its antigens in Rhnull erythrocytes. Dahr W, et al. **Blut** 1987 Jan; 54(1):13–24

Structural analysis of the major human erythrocyte membrane sialoglycoprotein from Miltenberger class VII cells. Dahr W, et al. **Eur J Biochem** 1987 Jul 1;166(1):27–30

Hybrid glycophorins from human erythrocyte membranes. I. Isolation and complete structural analysis of the hybrid sialoglycoprotein from Dantu–positive red cells of the N.E. variety. Dahr W, et al. **Eur J Biochem** 1987 Jul 1; 166(1):31–6

Organization of genes expressing the blood–group–M–specific hemagglutinin of Escherichia coli: identification and nucleotide sequence of the M–agglutinin subunit gene. Rhen M, et al. **Gene** 1986; 49(3):351–60

Treponemal serology and blood groups on Bali island, Indonesia. Breguet G, et al. **Genitourin Med** 1986 Oct; 62(5):298–301

MNSs genetic polymorphism and intrauterine selection through habitual abortion. Bottini E, et al. **Hum Biol** 1987 Feb;59(1):103–20

GENETICS

Acuity of selective mechanisms operating on ABO, Rh, and MN blood groups. Srikumari CR, et al. **Am J Phys Anthropol** 1987 Jan;72(1):117–21

The Dantu erythrocyte phenotype of the NE variety. I. Dodecylsulfate polyacrylamide gel electrophoretic studies. Dahr W, et al. **Blut** 1987 Jul;55(1):19–31

The Dantu erythrocyte phenotype of the NE variety. II. Serology, immunochemistry, genetics, and frequency. Unger P, et al. **Blut** 1987 Jul;55(1):33–43

Homozygous MM in ankylosing spondylitis [letter] Brewerton DA, et al. **Br J Rheumatol** 1987 Feb;26(1):65

Gene differentiation in four subcastes of Brahmins from Visakhapatnam, Andhra Pradesh. Srikumari CR, et al. **Hum Hered** 1986;36(6):373–8

Evidence for increased somatic cell mutations at the glycophorin A locus in atomic bomb survivors. Langlois RG, et al. **Science** 1987 Apr 24;236(4800):445–8

The M1 and Tm antigens require M and N gene–specified amino acids for expression. Issitt PD, et al. **Transfusion** 1986 Sep–Oct;26(5):413–8

IMMUNOLOGY

The blood group U antigen is not located on glycophorin B. Ballas SK, et al. **Biochim Biophys Acta** 1986 Nov 19; 884(2):337–43

Further characterization and standardization of mouse monoclonal antibodies reacting with M/N blood group antigens. Sonneborn HH, et al. **Dev Biol Stand** 1987; 67:97–104

Status of the MNSs antigens on human platelets. Simpson MB, et al. **Transfusion** 1987 Jan–Feb;27(1):15–8

T antigen expression in benign hyperplasia and adenocarcinoma of the prostate. Moriyama H, et al. **Urol Int** 1987;42(2):120–3

Evidence that the low frequency antigen Orriss is part of the MN blood group system. Bacon JM, et al. **Vox Sang** 1987;52(4):330–4

Severe hemolytic disease of the newborn due to anti–Vw and detection of glycophorin A antigens on the Miltenberger I sialoglycoprotein by Western blotting.

Rearden A, et al. **Vox Sang** 1987;52(4):318–21
A human monoclonal IgM kappa cold agglutinin recognizing oligosaccharides with immunodominant sialyl groups preferentially at the blood group M-specific peptide backbone of glycophorins: anti-PrM. Roelcke D, et al. **Vox Sang** 1986;51(3):207–11
Reactions of murine monoclonal antibodies to blood group MN antigens. Rubocki R, et al. **Vox Sang** 1986;51(3):217–25
[What can be done for mother and infant in the case of irregular antibodies in pregnant Jehovah's witnesses?] van Roosmalen J, et al. **Ned Tijdschr Geneeskd** 1987 May 23; 131(21):889–91 **(Dut)**
[A case of hemolytic disease of newborn caused by antigen M isoimmunization in pregnancy] Sawa H, et al. **Pediatr Pol** 1986 Dec;61(12):816–7 **(Pol)**

MOBILE EMERGENCY UNITS see **AMBULANCES**

MOBILE GENETIC ELEMENTS see **DNA INSERTION ELEMENTS**

MOBILE HEALTH UNITS

A mobile shoemaker's in Senegal to prevent plantar leprosy ulcers. Boucher P, et al. **Acta Leprol (Geneve)** 1987 Jan–Mar;(104):49–52 **(Eng, Fre)**
A motorized surgery unit for treatment of the handicapped patient. Barker DT. **Br Dent J** 1987 Jun 6;162(11):436–7
Twenty years of prehospital coronary care [published erratum appears in Br Heart J 1987 Jun;57(6):594] Geddes JS. **Br Heart J** 1986 Dec;56(6):491–5
Should the Mobile Intensive Care Unit respond to pediatric emergencies? Applebaum D, et al. **Clin Pediatr (Phila)** 1986 Dec;25(12):620–3
Lithotripsy on wheels: a passing fad? Powills S. **Hospitals** 1987 Jun 20;61(12):114
Mobile unit for use in mass screening for breast cancer. Abe R, et al. **Jpn J Surg** 1987 May;17(3):151–5
Complications of a medical unit, self-contained transportable operating room adapted to fixed facility standards in the continental United States—the first 200 cases. LaPorta AJ, et al. **Milit Med** 1987 Jun;152(6):294–5
Analysis of an immunisation programme in a rural area. McCutcheon JP, et al. **S Afr Med J** 1987 Sep 5;72(5):329–31
[The prehospital period of acute myocardial infarct] Kühn P. **Wien Med Wochenschr** 1987 Jun 15;137(10–11):210–6 (Eng. Abstr.) **(Ger)**

ECONOMICS

Estimating the costs of public dental programmes: mobile clinics. Doherty NJ, et al. **Community Dent Health** 1987 Jun;4(2):151–6
A mobile cancer clinic: an effective, safe, and inexpensive method of delivering anti-tumor therapy. Mahmud K, et al. **Mian Med** 1986 Oct;69(10):581–4

ORGANIZATION & ADMINISTRATION

The role of information, education, and communication in family planning service delivery in Tunisia. Coeytaux FM, et al. **Stud Fam Plann** 1987 Jul–Aug;18(4):229–34
[Specialized services for leptospirosis patients] Kirichenko PL, et al. **Sov Med** 1987;(3):59–61 **(Rus)**

SUPPLY & DISTRIBUTION

Mobile units seek new modalities. Wilkinson R. **Hospitals** 1986 Oct 5;60(19):89–90

TRENDS

The Liverpool urban obstetric flying squad: changing patterns of practice 1965–84. Ryan TD, et al. **Br Med J [Clin Res]** 1987 Jan 10;294(6564):97–9

UTILIZATION

Social, economic and behavioral determinants of utilisation of cataract surgery in mobile eye camps. Das T, et al. **Indian J Ophthalmol** 1985 Sep–Oct;33(5):273–6

MODELS, ANATOMIC

Investigation of temporal bone anatomy by plastic moulding and cryomicrotomy. Wilbrand H, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jul–Aug;27(4):389–94
Surgical anatomy of the rat facial nerve. Mattox DE, et al. **Am J Otol** 1987 Jan;8(1):43–7
Analysis of the Müller anterolateral femorotibial ligament reconstruction using a computerized knee model. Gibson M, et al. **Am J Sports Med** 1986 Sep–Oct;14(5):371–5
A biliary endoscopy model. Berci G, et al. **Am J Surg** 1987 Jun;153(6):576–8
Preparation of flexible models of hollow gastrointestinal organs. Updike SJ, et al. **Anat Rec** 1986 Oct;216(2):207–10
The use of a model eye to gain endophotocoagulation skills [letter] Weidenthal DT. **Arch Ophthalmol** 1987 Aug; 105(8):1020
3-D femoral stress analysis using CT scans and p-version FEM. Basu PK, et al. **Biomater Med Devices Artif Organs** 1985–86; 13(3–4):163–86
Analysis of bone model material for external fracture fixation experiments. Hein TJ, et al. **Biomed Sci Instrum** 1987; 23:43–8
The effect of tongue position on division of airflow in the presence of velopharyngeal defects. Selley WG, et al. **Br J Plast Surg** 1987 Jul;40(4):377–83
Cardiac embryogenesis: a three-dimensional approach. Butler J, et al. **Can J Cardiol** 1987 Apr;3(3):111–7
Continuous-wave Doppler velocities and gradients across fixed tunnel obstructions: studies in vitro and in vivo. Yoganathan AP, et al. **Circulation** 1987 Sep;76(3):657–66
The measurement of form: beyond biometrics. Sausages and stars, dumbbells and doughnuts: peculiar views of anatomical structures. Oxnard CE. **Cleft Palate J** 1986 Dec; 23 Suppl 1:110–28
Three-dimensional reconstruction of median eminence microvascular modules. Hibbard LS, et al. **Comput Biol Med** 1986;16(6):411–21
A three-dimensional Fourier descriptor for human body representation/reconstruction from serial cross sections. Park KS, et al. **Comput Biomed Res** 1987 Apr;20(2):125–40
Anatomical modeling with computer-aided design. West MJ, et al. **Comput Biomed Res** 1986 Dec;19(6):535–42
Optical diffraction intensity of computer-simulated muscle fibers. Leung AF. **Comput Methods Programs Biomed** 1987 Jun;24(3):197–205
Curve and surface representation by iterative B-spine fit to a data point set. Lord M. **Eng Med** 1987 Jan;16(1):29–35
Body surface measurement and replication by photogrammetry and computer aided design. Vergeest JS, et al. **Eng Med** 1987 Jan;16(1):3–8
An inexpensive and multipurpose calibration phantom for in-vivo measurements of internal contaminants. Maiello ML, et al. **Health Phys** 1986 Dec;51(6):809–11
An analytical descriptor of three-dimensional geometry: application to the analysis of the left ventricle shape and contraction. Azhari H, et al. **IEEE Trans Biomed Eng** 1987 May;34(5):345–55
Modelling person-shapes for thermal comfort studies. Johnson GT, et al. **Int J Biometeorol** 1987 Mar;31(1):33–43
When should Doppler-determined valve area be better than the Gorlin formula?: Variation in hydraulic constants in low flow states. Segal J, et al. **J Am Coll Cardiol** 1987 Jun;9(6):1294–305
Airflow characteristics in a baboon nasal passage cast. Patra AL, et al. **J Appl Physiol** 1986 Nov;61(5):1959–66
The relationship of neck orientation to the shape of the proximal femur. Clark JM, et al. **J Arthroplasty** 1987; 2(2):99–109
Selection of an animal model for resurfacing hip arthroplasty. Phillips TW, et al. **J Arthroplasty** 1987;2(2):111–7
Response of a human head/neck/upper-torso replica to dynamic loading—II. Analytical/numerical model. Deng YC, et al. **J Biomech** 1987;20(5):487–97
Response of a human head/neck/upper-torso replica to dynamic loading—I. Physical model. Deng YC, et al. **J Biomech** 1987;20(5):471–86
Laser Doppler anemometer measurements of pulsatile flow in a model carotid bifurcation. Ku DN, et al. **J Biomech** 1987;20(4):407–21
Effects of an anatomically detailed erector spinae model on L4/L5 disc compression and shear. McGill SM, et al. **J Biomech** 1987;20(6):591–600
A model of multicomponent cardiac fibre. Montevecchi FM, et al. **J Biomech** 1987;20(4):365–70
Dimensions of human lumbar vertebrae in the sagittal plane. Nissan M, et al. **J Biomech** 1986;19(9):753–8
Motion patterns of pedestrian surrogates in simulated vehicle-pedestrian collisions. Schlumpf MR, et al. **J Biomech** 1987;20(4):371–84
An investigation of particle flow through capillary models with the resistive pulse technique. Frank RS, et al. **J Biomech Eng** 1987 May;109(2):103–9
A cellular model of lung elasticity. Kimmel E, et al. **J Biomech Eng** 1987 May;109(2):126–31
A study on a vibratory model of a human body. Nigam SP, et al. **J Biomech Eng** 1987 May;109(2):148–53
Computerized evaluation of the effectiveness of subgingival scaling in jaw models. An introduction to the program developed at the School of Dentistry, University of Bergen. Lie T, et al. **J Clin Periodontol** 1987 Mar;14(3):149–55
Quantitative computed tomography evaluation of benign solitary pulmonary nodules. Fiastro JF, et al. **J Comput Tomogr** 1987 Jan;11(1):103–6
Stenotic spinal canal models derived from computed tomography data: a preliminary investigation. Resnick D, et al. **J Comput Tomogr** 1987 Jan;11(1):51–5
A typodont used exclusively for practical examinations. Hill GL, et al. **J Dent Educ** 1987 Sep;51(9):553–4
VaraDerm: a skin substitute for surgical workshops. Lewis LA, et al. **J Dermatol Surg Oncol** 1987 May;13(5):473–4
Bartolomeo Eustachio: his influence on Albinus and the anatomical models at La Specola, Florence. Hilloowala R. **J Hist Med Allied Sci** 1986 Oct;41(4):442–62
Test of a cardiology patient simulator with students in fourth-year electives. Ewy GA, et al. **J Med Educ** 1987 Sep;62(9):738–43
Criteria for accurate usage of block models. Hagmann MJ, et al. **J Microw Power Electromagn Energy** 1987;22(1):19–27
An "expanded stick" model for coding Golgi-impregnated neuronal morphology. Freire M. **J Neurosci Methods** 1987 Jul;20(3):229–36
Cone sampling array models. Ahumada AJ Jr, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1493–502
Psychophysical estimate of extrafoveal cone spacing. Coletta NJ, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1503–13
The use of the hot glue gun for orthognathic model surgery. Cheng KK, et al. **J Oral Maxillofac Surg** 1987 Apr; 45(4):372
The packing of spheres in embryogenesis and carcinogenesis. Daunter B. **Med Hypotheses** 1986 Sep;21(1):61–70
Specific absorption rates in simulated tissue media for a 10 x 10 cm 915-MHz waveguide applicator. Denman DL, et al. **Med Phys** 1987 Jul–Aug;14(4):681–6
Experimental characterization of the miniannular phased array as a hyperthermia applicator. Guerquin-Kern JL, et al. **Med Phys** 1987 Jul–Aug;14(4):674–80
Continuous three-dimensional radiation dosimetry in tissue-equivalent phantoms using electron paramagnetic resonance in L-alpha-alanine. Wielopolski L, et al. **Med Phys** 1987 Jul–Aug;14(4):646–52
Phantom material for quantitative evaluation of MR images. Lutz NW, et al. **Med Prog Technol** 1986;11(4):177–84
Three-dimensional computer simulation of craniofacial anatomy. Grayson BH, et al. **NY State Dent J** 1986 Oct; 52(8):29–31
Computer graphic modeling in surgery. Wind G, et al. **Orthop Clin North Am** 1986 Oct;17(4):657–68
A technique to model the nasal airway for aerodynamic study. Levine SC, et al. **Otolaryngol Head Neck Surg** 1986 Nov;95(4):442–9
The effect of torso geometry on magnetocardiographic isofield maps. Horacek BM, et al. **Phys Med Biol** 1987 Jan; 32(1):121–4
Analysis of magnetoencephalographic data using the homogeneous sphere model: empirical tests. Janday BS, et al. **Phys Med Biol** 1987 Jan;32(1):105–13
Development of an agar phantom adaptable for simulation of various tissues in the range 5–40 MHz. Kato H, et al. **Phys Med Biol** 1987 Feb;32(2):221–6
The optimum technique for 201T1 tomography of myocardium: an investigation using phantoms. Laird EE, et al. **Phys Med Biol** 1987 Aug;32(8):985–99
The modelling of biological systems in three dimensions using the time domain finite-difference method: II. The application and experimental evaluation of the method in hyperthermia applicator design. Lau RW, et al. **Phys Med Biol** 1986 Nov;31(11):1257–66
The modelling of biological systems in three dimensions using the time domain finite-difference method: I. The implementation of the model. Lau RW, et al. **Phys Med Biol** 1986 Nov;31(11):1247–56
Comment on 'The distribution of intracellular alkali metals in reference man' [letter] Mole RH. **Phys Med Biol** 1987 Aug;32(8):1045–7
Improved procedure for neuromagnetic localisation. Pistella F, et al. **Phys Med Biol** 1987 Jan;32(1):115–20
New tissue-equivalent phantom materials for negative pions. Smith KR, et al. **Phys Med Biol** 1987 Feb;32(2):237–41
Inverse solutions based on MEG and EEG applied to volume conductor analysis. Stok CJ, et al. **Phys Med Biol** 1987 Jan;32(1):99–104
Corrosion cast technique applied in lymphatic pathways. Castenholz A. **Scan Electron Microsc** 1986;(Pt 2):599–605
Three dimensional imaging in medicine. A critique by surgeons. Tessier P, et al. **Scand J Plast Reconstr Surg** 1986; 20(1):3–11
Partitioning of the L4-L5 dynamic moment into disc, ligamentous, and muscular components during lifting. McGill SM, et al. **Spine** 1986 Sep;11(7):666–78
[A dynamic schematic eye for close work] Yang PL. **Chung Hua Yen Ko Tsa Chih** 1986 May;22(3):132–4 (Eng. Abstr.) **(Chi)**
[The collection of moulages at the Wroclaw Dermatologic Clinic as a document and a learning aid] Scholz A, et al. **Arch Hist Filoz Med** 1986;49(3):413–6 **(Ger)**
[Practical experiences with a body-cooling dummy] Henssge C, et al. **Beitr Gerichtl Med** 1986;44:123–6 (Eng. Abstr.) **(Ger)**
[End ballistic relation models—their use in wound ballistic research] Missliwetz J, et al. **Beitr Gerichtl Med** 1986; 44:313–9 (Eng. Abstr.) **(Ger)**
[Johann Wolfgang von Goethe—the first promoter of dermatovenerologic moulage art] Schnalke T. **Dermatol Monatsschr** 1987;173(6):348–52 (Eng. Abstr.) **(Ger)**
[Phantom substances for quantitative evaluation of MRT images. III. Effect of various protein concentrations on MRT intensity values] Lutz NW, et al. **Digitale Bilddiagn** 1987 Mar;7(1):1–4 (Eng. Abstr.) **(Ger)**
[Phantom substances for the quantitative evaluation of MR T images. I. Paramagnetic agar gels for the optimal simulation of tissue specific MR T parameters] Lutz NW, et al. **Digitale Bilddiagn** 1986 Sep;6(3):97–100 (Eng. Abstr.) **(Ger)**
[Phantom substances in the quantitative evaluation of magnetic resonance T-images. II. Effect of relaxation times on magnetic resonance T-intensity values] Lutz NW, et al. **Digitale Bilddiagn** 1986 Dec;6(4):147–50 (Eng. Abstr.) **(Ger)**
[Preparation of individual skull models based on computed tomographic information] Brix F, et al. **Fortschr Kiefer Gesichtschir** 1987;32:74–7 **(Ger)**
[2-dimensional pictorial representation of jaw models based on planimetry] Schneider E, et al. **Fortschr Kiefer Gesichtschir** 1987;32:203–6 **(Ger)**

[Description of eye muscle function using models with reference to the Lockwood ligament] Günther S, et al. **Fortschr Ophthalmol** 1986;83(4):514–7 (Eng. Abstr.) **(Ger)**

[Stomach ulcer as a problem of energy balance: design of a cellular automatic simulation of disorders of blood flow distribution in the stomach wall] Rau W. **Langenbecks Arch Chir** 1987;370(2):91–110 (Eng. Abstr.) **(Ger)**

[Chest wall moulages for radiotherapy of resected breast cancer with fast electrons: comparative tests of different materials] Niewald M, et al. **Strahlenther Onkol** 1986 Oct; 162(10):605–12 (Eng. Abstr.) **(Ger)**

[Anatomy of the ethmoid bone region: topographical, radiological and endoscopic landmarks] Terrier F, et al. **Ther Umsch** 1987 Feb;44(2):75–85 (Eng. Abstr.) **(Ger)**

[Cyclic groups of nonlinear transformations in morphology and the conception of cyclogenesis] Petukhov SV. **Arkh Anat Gistol Embriol** 1986 Dec;91(12):5–10 (Eng. Abstr.) **(Rus)**

[The construction of a model of the lung for the functional analysis of respirators] Llorens J, et al. **Rev Esp Anestesiol Reanim** 1987 May–Jun;34(3):187–91 (Eng. Abstr.) **(Spa)**

MODELS, BIOLOGICAL

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DISEASE MODELS, ANIMAL

The ground reaction force pattern from the hindlimb of the horse simulated by a spring model. van Gurp M, et al. **Acta Anat (Basel)** 1987;129(1):31–3

Dynamic model of the equine hindlimb during the swing phase. van Gurp M, et al. **Acta Anat (Basel)** 1986; 127(4):279–84

A general framework for understanding the effects of variability and interruptions on foraging behaviour. McNamara JM, et al. **Acta Biotheor (Leiden)** 1987; 36(1):3–22

Human fetal epiphyseal chondrocytes in culture: an "in vitro" model for studying human fetal growth. Carrascosa A, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:41–6

Translocation of immunoglobulins across human epithelia: review of the development of a transport model. Brandtzaeg P. **Acta Histochem [Suppl] (Jena)** 1987;34:9–32 (116 ref.)

A standardized finite element model for routine comparative evaluations of femoral hip prostheses. Huiskes R, et al. **Acta Orthop Belg** 1986 May–Jun;52(3):258–61

Cochlear micromechanics. Voldřich L, et al. **Acta Otolaryngol (Stockh)** 1987 May–Jun;103(5–6):661–4

A trial of cybernetic explanation of the development and regression of benign child epilepsy. Mikrut Z, et al. **Acta Physiol Pol** 1986 Nov–Dec;37(6):285–92

Neutron dosimetry with detectors of finite size. II. Experiments and calculations. Montelius A, et al. **Acta Radiol [Oncol]** 1986 Jul–Dec;25(4–6):303–9

Modelling of pharmacokinetics in rats with decreased renal function induced by surgical reduction of renal parenchyma. Morávek J, et al. **Acta Univ Carol [Med] (Praha)** 1985;31(7–8):435–62

The loose coupling mechanism in molecular machines of living cells. Oosawa F, et al. **Adv Biophys** 1986;22:151–83 (33 ref.)

Modelling the beta-cell electrical activity. Bangham JA, et al. **Adv Exp Med Biol** 1986;211:265–78

Membrane transport: a mathematical investigation. Busch NA. **Adv Exp Med Biol** 1986;200:163–71

Prediction of the glucose–induced changes in membrane ionic permeability and cytosolic Ca2+ by mathematical modeling. Rinzel J, et al. **Adv Exp Med Biol** 1986; 211:247–63

Autoantibody generation by cross–reactive antigens: possible homeostatic mechanism. Vidal J. **Allergol Immunopathol (Madr)** 1987 Mar–Apr;15(2):93–9

Adjusting exposure limits for long and short exposure periods using a physiological pharmacokinetic model. Andersen ME, et al. **Am Ind Hyg Assoc J** 1987 Apr;48(4):335–43

Lognormal model for health risk assessment of fluctuating concentrations. Saltzman BE. **Am Ind Hyg Assoc J** 1987 Feb;48(2):140–9

Measuring histological form change with finite element methods: an application using diazo–oxo–norleucine (DON)–treated rats. Lozanoff S, et al. **Am J Anat** 1986 Oct;177(2):187–201

Partitioning the variability of fasting plasma glucose levels in pedigrees. Genetic and environmental factors. Boehnke M, et al. **Am J Epidemiol** 1987 Apr;125(4):679–89

Statistical modelling of lung cancer and laryngeal cancer incidence in Scotland, 1960–1979. Boyle P, et al. **Am J Epidemiol** 1987 Apr;125(4):731–44

Ingested dose and diarrhea transmission routes [letter] Cairncross S. **Am J Epidemiol** 1987 May;125(5):921–5

A seroepidemiologic study of hepatitis A virus infections: statistical analysis of two independent cross–sectional surveys in Okinawa, Japan. Ikematsu H, et al. **Am J Epidemiol** 1987 Jul;126(1):50–4

Epidemiologic programs for computers and calculators. Inferences on odds ratios, relative risks, and risk differences based on standard regression programs. Wallenstein S, et al. **Am J Epidemiol** 1987 Aug;126(2):346–55

Sexual behavior and Down syndrome: the biological mechanism. Martin–DeLeon PA, et al. **Am J Med Genet** 1987 Jul;27(3):693–700 (38 ref.)

The dynamics of angular homeostasis: I. General principles. Murphy EA, et al. **Am J Med Genet** 1987 Feb;26(2):457–72

Dichromatic confusion lines and color vision models. Fry GA. **Am J Optom Physiol Opt** 1986 Dec;63(12):933–40

A polynomial approach to craniofacial growth: description and comparison of adolescent males with normal occlusion and those with untreated Class II malocclusion. Buschang PH, et al. **Am J Orthod Dentofacial Orthop** 1986 Nov; 90(5):437–42

The significance of double phenotypic patterns and markers in human sarcomas. A new model of mesenchymal differentiation. Brooks JJ. **Am J Pathol** 1986 Oct; 125(1):113–23

Epidemics in nonrandomly mixing populations: a simulation. Sattenspiel L. **Am J Phys Anthropol** 1987 Jun;73(2):251–65

Dimensional analysis does not determine a mass exponent for metabolic scaling. Butler JP, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):R195–9

Non–steady state: error analysis of Steele's model and developments for glucose kinetics. Cobelli C, et al. **Am J Physiol** 1987 May;252(5 Pt 1):E679–89

Does myoglobin contribute significantly to diffusion of oxygen in red skeletal muscle? Covell DG, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R341–7

Equivalent circuit technique for lymph flow studies. Drake RE, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):H1090–4

Interrelationship of blood flow, juxtaglomerular cells, and hypertension: role of physical equilibrium and Ca. Fray JC, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):R643–62 (140 ref.)

Oscillations in the proximal intratubular pressure: a mathematical model. Holstein–Rathlou NH, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F560–72

Spare receptors, partial agonists, and ternary complex model of drug action. Homer LD, et al. **Am J Physiol** 1987 Jul; 253(1 Pt 1):E114–21

Quantitative assessment of the two–component model of intestinal circulation. Kvietys PR, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):G446–52

Time sequential prediction of ventricular–vascular interactions. Latson TW, et al. **Am J Physiol** 1986 Dec; 251(6 Pt 2):H1341–53

Exchange of multiple indicators across renal–like epithelia: a modeling study of six physiological regimes. Lumsden CJ, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):F1073–89

Pancreatic calcification and stone formation: a thermodynamic model of calcium in pancreatic juice. Moore EW, et al. **Am J Physiol** 1987 May;252(5 Pt 1):G707–18

Calculation of metabolic fluxes with anatomically separated sources of tracer and tracee. Norwich KH, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):E715–20

Generalization of the Fahraeus principle for microvessel networks. Pries AR, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):H1324–32

Non–steady–state measurement of glucose turnover in rats by using a one–compartment model. Proietto J, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):E77–84

Modeling ion channel blockade at guarded binding sites: application to tertiary drugs. Starmer CF, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):H848–56

Profiles of water and solute transport along long–loop descending limb: analysis by mathematical model. Taniguchi J, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F393–402

Modeling the contractility of urinary bladder smooth muscle using isometric contractions. van Mastrigt R, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):R978–83

Allopurinol kinetics in humans as a means to assess liver function: comparison of different models. van Waeg G, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):R352–60

Integral–mass balance method for determination of solvent drag reflection coefficient. Wolf MB, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):H194–204

Logarithmic normal distribution of incubation times for canine diseases (Sartwell's model). Glickman LT, et al. **Am J Vet Res** 1987 May;48(5):842–7

Rigorous convergence algorithm for fitting a monoexponential function with a background term using the least–squares method. Jeričević Z, et al. **Anal Chem** 1987 Feb 15;59(4):658–62

Microvascular smooth muscle cell quantitation from scanning electron microscopic preparations. Gattone VH 2d, et al. **Anat Rec** 1986 Nov;216(3):443–7

Plasma drug efflux—a new approach to optimization of drug infusion for constant blood concentration of thiopental and methohexital. Crankshaw DP, et al. **Anesthesiology** 1987 Jul;67(1):32–41

Analysis of the gas exchange system dynamics during high–frequency ventilation. Ghazanshahi SD, et al. **Ann Biomed Eng** 1986;14(6):525–42

Nonequilibrium facilitated transport of carbon dioxide in bicarbonate and bovine albumin solutions. Hoofd LJ, et al. **Ann Biomed Eng** 1986;14(6):493–511

Models of lung transvascular fluid and protein transport. Roselli RJ, et al. **Ann Biomed Eng** 1987;15(2):127–38

Current shock models and clinical correlations. Bellamy RF, et al. **Ann Emerg Med** 1986 Dec;15(12):1392–5

Prediction of acetaminophen level from clinical history of overdose using a pharmacokinetic model. Edwards DA, et al. **Ann Emerg Med** 1986 Nov;15(11):1314–9

The peptidic self model: a reassessment of the role of the major histocompatibility complex molecules in the restriction of the T–cell response. Claverie JM, et al. **Ann Inst Pasteur Immunol** 1986 Nov–Dec;137D(3):425–42 (95 ref.)

A response to Cohn's criticism of network theory. Hoffmann GW. **Ann Inst Pasteur Immunol** 1986 Nov–Dec; 137D(3):443–8

Perspectives in biological dynamics and theoretical medicine. **Ann NY Acad Sci** 1987;504:1–313

A two–step model for sexual differentiation. Balthazart J, et al. **Ann NY Acad Sci** 1986;474:308–24

Fractal modeling of biological structures. Barnsley MF, et al. **Ann NY Acad Sci** 1987;504:179–94

Impedance measurements as estimators of the properties of the extracellular space. Eisenberg RS. **Ann NY Acad Sci** 1986;481:116–22

Compatibility tests on immunological control loops. Eisenfeld J. **Ann NY Acad Sci** 1987;504:132–50

Adaptive dynamic networks as models for the immune system and autocatalytic sets. Farmer JD, et al. **Ann NY Acad Sci** 1987;504:118–31

Theoretical models of spermine/DNA interactions. Feuerstein BG, et al. **Ann NY Acad Sci** 1986;482:251–4

Function and dynamics of myoglobin. Frauenfelder H. **Ann NY Acad Sci** 1987;504:151–67

Universal bifurcations and the classification of cardiac arrhythmias. Glass L, et al. **Ann NY Acad Sci** 1987; 504:168–78

Applications of nonlinear dynamics to clinical cardiology. Goldberger AL, et al. **Ann NY Acad Sci** 1987;504:195–213

Computer simulations of macromolecular dynamics: models for vibrational spectroscopy and X–ray refinement. Levy RM. **Ann NY Acad Sci** 1986;482:24–43

Dynamical diseases. Mackey MC, et al. **Ann NY Acad Sci** 1987;504:16–32

Nonlinearities and complex behavior in simple ecological and epidemiological models. May RM. **Ann NY Acad Sci** 1987; 504:1–15

Chaos in coupled optimizers. Rossler OE. **Ann NY Acad Sci** 1987;504:229–40

The pig as a model for human nutrition. Miller ER, et al. **Annu Rev Nutr** 1987;7:361–82 (153 ref.)

What does the power function reveal about structure and function in animals of different size? Heusner AA. **Annu Rev Physiol** 1987;49:121–33 (47 ref.)

Action mechanisms of anti–invasive agents. Bracke ME, et al. **Anticancer Res** 1986 Nov–Dec;6(6):1273–7

Mathematical modelling of lipid production by oleaginous yeasts in continuous cultures. Ykema A, et al. **Antonie Van Leeuwenhoek** 1986;52(6):491–506

A test of the Booth energy flow model (Mark 3) on feeding patterns of mice. Guillot A, et al. **Appetite** 1987 Feb; 8(1):67–78

Alternative nonlinear model for estimating second–order rate coefficients for biodegradation. Suflita JM, et al. **Appl Environ Microbiol** 1987 May;53(5):1064–8

Simulation of the purine nucleotide cycle as an anaplerotic process in skeletal muscle. Canela EI, et al. **Arch Biochem Biophys** 1987 Apr;254(1):142–55

A model for the production of artificial caries in the mouth in man. Kotsanos N, et al. **Arch Oral Biol** 1986;31(7):491–5

The role of infectious agents in childhood rheumatic diseases. Models and evidence. Phillips PE. **Arthritis Rheum** 1977 Mar;20(2 Suppl):459–66

A model of ultrafiltration and glucose mass transfer kinetics in peritoneal dialysis. Jaffrin MY, et al. **Artif Organs** 1987 Jun;11(3):198–207

Further investigation of a strabismus model. Kault DA, et al. **Aust N Z J Ophthalmol** 1987 Feb;15(1):43–55

Hydrostatic theory and G protection using tilting aircrew seats. Nelson JG. **Aviat Space Environ Med** 1987 Feb; 58(2):169–73

Absorption and metabolism of vitamin K in Swiss 3T3 mouse fibroblasts—a model system for study of vitamin K absorption and metabolism. Canfield LM, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):731–9

Preparation of spin–labelled sulfatides for EPR studies on model membranes. Marchesini S, et al. **Biochem Int** 1987 Mar;14(3):491–9

Theoretical analysis of a translocation–like model with saturable kinetics. Maïsterrena B, et al. **Biochem J** 1987 Mar 15;242(3):835–9

Warfarin poisoning and vitamin K antagonism in rat and human liver. Design of a system in vitro that mimics the situation in vivo. Wallin R, et al. **Biochem J** 1987 Jan 15; 241(2):389–96

Modulation of protein–protein interactions in membranes. Cherry RJ. **Biochem Soc Trans** 1987 Feb;15(1):91–3

Modelling the biological membrane. Madden TD, et al. **Biochem Soc Trans** 1987 Feb;15(1):75–7

Assessment of a ternary model for the binding of agonists to neurohumoral receptors. Lee TW, et al. **Biochemistry** 1986 Nov 4;25(22):7009–20

Double–inhibitor and uncoupler–inhibitor titrations. 2. Analysis with a nonlinear model of chemiosmotic energy coupling. Pietrobon D, et al. **Biochemistry** 1986 Nov 18; 25(23):7690–6

Double–inhibitor and uncoupler–inhibitor titrations. 1. Analysis with a linear model of chemiosmotic energy

coupling. Pietrobon D, et al. **Biochemistry** 1986 Nov 18; 25(23):7682–90
Sterol–phospholipid interaction in model membranes: role of C5–C6 double bond in cholesterol. Ranadive GN, et al. **Biochemistry** 1987 May 5;26(9):2426–31
A model of the mechanism of enzyme action in terms of protein conformational relaxation. Averbukh IS, et al. **Biochim Biophys Acta** 1986 Sep 26;873(2):290–6
The effect of mercuric salts on the electro-rotation of yeast cells and comparison with a theoretical model. Geier BM, et al. **Biochim Biophys Acta** 1987 Jun 12;900(1):45–55
Structure and properties of mixed-chain phospholipid assemblies. Huang C, et al. **Biochim Biophys Acta** 1986 Dec 22;864(3–4):423–70 (174 ref.)
The role of fixed and mobile buffers in the kinetics of proton movement. Junge W, et al. **Biochim Biophys Acta** 1987 Jan 16;890(1):1–5
Simultaneous determination of membrane potential and pH gradient by photodiode array spectroscopy. Konishi T, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):278–84
Fractal model of ion-channel kinetics. Liebovitch LS, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):173–80
Differential scanning calorimetric studies of lipid–protein interactions in model membrane systems. McElhaney RN. **Biochim Biophys Acta** 1986 Dec 22;864(3–4):361–421 (195 ref.)
Structure and dynamics of plasmalogen model membranes containing cholesterol: a deuterium NMR study. Malthaner M, et al. **Biochim Biophys Acta** 1987 Jun 30;900(2):191–7
A model for accelerated uptake and accumulation of sugars arising from phosphorylation at the inner surface of the cell membrane. Naftalin RJ, et al. **Biochim Biophys Acta** 1987 Feb 12;897(1):93–111
Fusion of Sindbis virus with model membranes containing phosphatidylethanolamine: implications for protein-induced membrane fusion. Scheule RK. **Biochim Biophys Acta** 1987 May 29;899(2):185–95
Many a mickle makes a muckle; network maxims may mitigate controversy. Trewavas AJ. **Bioessays** 1987 Aug; 7(2):84–6
A model of handwriting. Edelman S, et al. **Biol Cybern** 1987; 57(1–2):25–36
Modeling of control and learning in a stepping motion. Flashner H, et al. **Biol Cybern** 1987;55(6):387–96
Information compression in biological systems. Haken H. **Biol Cybern** 1987;56(1):11–7
Synchronizing human movement with an external clock source. Hary D, et al. **Biol Cybern** 1987;56(5–6):305–11
A multivariate solution for cyclic data, applied in modelling locomotor forces. Hines WG, et al. **Biol Cybern** 1987; 56(1):1–9
Deducing planning variables from experimental arm trajectories: pitfalls and possibilities. Hollerbach JM, et al. **Biol Cybern** 1987;56(5–6):279–92
A continuous cable method for determining the transient potential in passive dendritic trees of known geometry. Holmes WR. **Biol Cybern** 1986;55(2–3):115–24
Conservative patterns. Hübler A, et al. **Biol Cybern** 1987; 56(4):269–78
The identification of nonlinear biological systems: Wiener and Hammerstein cascade models. Hunter IW, et al. **Biol Cybern** 1986;55(2–3):135–44
Representation of local geometry in the visual system. Koenderink JJ, et al. **Biol Cybern** 1987;55(6):367–75
The identification of nonlinear biological systems: LNL cascade models. Korenberg MJ, et al. **Biol Cybern** 1986; 55(2–3):125–34
Muscle dynamics: dependence of muscle length on changes in external load. Kostyukov AI. **Biol Cybern** 1987; 56(5–6):375–87
Darwinian evolution in games with perfect information. Kurka P. **Biol Cybern** 1987;55(5):281–8
Simulation studies on the control of posture and movement in a multi-jointed limb. Lacquaniti F, et al. **Biol Cybern** 1986;54(6):367–78
A scaling model for dichotomous branching processes. Nonnenmacher TF. **Biol Cybern** 1987;56(2–3):155–7
A method of description of single muscle fibre action potential by an analytical function V(t, r). Piotrkiewicz M, et al. **Biol Cybern** 1987;56(4):237–45
System analysis of Phycomyces light–growth response: single mutants. Poe RC, et al. **Biol Cybern** 1986;55(2–3):99–104
System analysis of Phycomyces light–growth response with Gaussian white-noise test stimuli. Poe RC, et al. **Biol Cybern** 1986;55(2–3):91–8
A model of the smooth pursuit eye movement system. Robinson DA, et al. **Biol Cybern** 1986;55(1):43–57
Probing depth in monocular images. Stevens KA, et al. **Biol Cybern** 1987;56(5–6):355–66
Representation of time-dependent correlation and recurrence time functions. A new method to analyse non-stationary point processes. van Stokkum IH, et al. **Biol Cybern** 1986; 55(1):17–24
Muscle models: what is gained and what is lost by varying model complexity. Winters JM, et al. **Biol Cybern** 1987; 55(6):403–20
A coupling mechanism to inter-relate regulatory with haem–haem interactions of haemoglobin. Bennun A. **Biomed Biochim Acta** 1987;46(2–3):S314–9
Heat exchange in extremities of animals. Gupta NK, et al. **Biomed Sci Instrum** 1987;23:111–24
A comparison of automatic algorithms for insulin adjustment via a computer model of diabetes mellitus. Newman WP. **Biomed Sci Instrum** 1987;23:125–7
A second-order systems model of the carotid sinus. Taylor C, et al. **Biomed Sci Instrum** 1987;23:83–8
Constant-parameter capture-recapture models. Brownie C, et al. **Biometrics** 1986 Sep;42(3):561–74
A proportional hazards model for interval-censored failure time data. Finkelstein DM. **Biometrics** 1986 Dec; 42(4):845–54
Improvement without computer assistance of the graphically estimated parameters of the linear one-compartment open model. Macheras PE. **Biopharm Drug Dispos** 1987 Jul–Aug; 8(4):387–94
A method for evaluating the mean residence times of metabolites in the body, systemic circulation, and the peripheral tissue not requiring separate i.v. administration of metabolite. Veng-Pedersen P, et al. **Biopharm Drug Dispos** 1987 Jul–Aug;8(4):395–401
Kinetics of unidirectional transport in multimembrane systems as influenced by binding to macromolecules. Baláž S, et al. **Biophys Chem** 1986 Jul;24(2):135–42
Nonequilibrium voltage fluctuations in biological membranes. I. General framework of charge transport in discrete systems and related voltage noise. Frehland E, et al. **Biophys Chem** 1986 Dec 15;25(2):135–45
Analysis of the ion transfer through the channel of 9,11,13,15-phenylalanylgramicidin A. Heitz F, et al. **Biophys Chem** 1986 Jul;24(2):143–8
Conformations of gramicidin A and its 9,11,13,15-phenylalanyl analog in dimethyl sulfoxide and chloroform. Heitz F, et al. **Biophys Chem** 1986 Jul; 24(2):149–60
A theoretical study of cooperative dual linear aggregation and the vernier effect. Hill TL. **Biophys Chem** 1986 Nov; 25(1):1–15
Dynamic analysis of differential scanning calorimetry data. Lopez Mayorga O, et al. **Biophys Chem** 1987 Jul; 27(1):87–96
Basic kinetics of binding and incorporation with supramolecular aggregates. Schwarz G. **Biophys Chem** 1987 May 9;26(2–3):163–9
Modification of the Kedem–Katchalsky equations. Slezak A, et al. **Biophys Chem** 1986 Jul;24(2):173–8
Nonequilibrium voltage fluctuations in biological membranes. II. Voltage and current noise generated by ion carriers, channels and electrogenic pumps. Solleder P, et al. **Biophys Chem** 1986 Dec 15;25(2):147–59
Model of cell electrofusion. Membrane electroporation, pore coalescence and percolation. Sugar IP, et al. **Biophys Chem** 1987 May 9;26(2–3):321–35
The interaction of Cl- with a gramicidin-like channel. Sung SS, et al. **Biophys Chem** 1987 Jul;27(1):1–6
Electrostatic modeling of ion pores. Multipolar sources. Vayl IS, et al. **Biophys Chem** 1987 Jul;27(1):7–13
A possibility to recognize chirality by an excitable artificial liquid membrane. Yoshikawa K, et al. **Biophys Chem** 1986 Jul;24(2):111–9
Supercharging: a method for improving patch-clamp performance. Armstrong CM, et al. **Biophys J** 1987 Jul; 52(1):133–6
A quantitative model of myosin phosphorylation and the photomechanical response of the isolated sphincter pupillae of the frog iris. Barr L, et al. **Biophys J** 1987 Jun; 51(6):895–904
The mechanics of motility in dissociated cytoplasm. Dembo M. **Biophys J** 1986 Dec;50(6):1165–83
Effects of spatial variation in membrane diffusibility and solubility on the lateral transport of membrane components. Eisinger J, et al. **Biophys J** 1986 Sep;50(3):513–21
Mathematical analysis of cell-target encounter rates in two dimensions. The effect of chemotaxis. Fisher ES, et al. **Biophys J** 1987 May;51(5):705–16
Cooperative polymerization reactions. Analytical approximations, numerical examples, and experimental strategy. Goldstein RF, et al. **Biophys J** 1986 Oct; 50(4):583–99
Reaction kinetic parameters for ion transport from steady-state current-voltage curves. Gradmann D, et al. **Biophys J** 1987 Apr;51(4):569–85
Effects of double-layer polarization on ion transport. Hainsworth AH, et al. **Biophys J** 1987 Jan;51(1):27–36
Statistical methods for model discrimination. Applications to gating kinetics and permeation of the acetylcholine receptor channel. Horn R. **Biophys J** 1987 Feb;51(2):255–63
Platelet active concentration profiles near growing thrombi. A mathematical consideration. Hubbell JA, et al. **Biophys J** 1986 Nov;50(5):937–45
Stochastic theory of ion movement in channels with single-ion occupancy. Application to sodium permeation of gramicidin channels. Jakobsson E, et al. **Biophys J** 1987 Jul;52(1):33–45
How pore mouth charge distributions alter the permeability of transmembrane ionic channels. Jordan PC. **Biophys J** 1987 Feb;51(2):297–311
Kinetics of actin-myosin binding. II. Two-variable model and actin gelation. Klonowski W, et al. **Biophys J** 1987 Feb;51(2):249–53
Kinetics of actin-myosin binding. I. An exactly soluble one-variable model. Klonowski W, et al. **Biophys J** 1987 Feb;51(2):245–8
The nature of phonons and solitary waves in alpha-helical proteins. Lawrence AF, et al. **Biophys J** 1987 May; 51(5):785–93
Trapping single ions inside single ion channels. Miller C. **Biophys J** 1987 Jul;52(1):123–6
Interstitial potentials and their change with depth into cardiac tissue. Plonsey R, et al. **Biophys J** 1987 Apr;51(4):547–55
Electrically silent magnetic fields. Roth BJ, et al. **Biophys J** 1986 Oct;50(4):739–45
Force–interval relationship in heart muscle of mammals. A calcium compartment model. Schouten VJ, et al. **Biophys J** 1987 Jan;51(1):13–26
Electric and magnetic fields from two-dimensional anisotropic bisyncytia. Sepulveda NG, et al. **Biophys J** 1987 Apr;51(4):557–68
Simulation of voltage-driven hydrated cation transport through narrow transmembrane channels. Skerra A, et al. **Biophys J** 1987 Jun;51(6):977–83
Structure and dynamics of one-dimensional ionic solutions in biological transmembrane channels. Skerra A, et al. **Biophys J** 1987 Jun;51(6):969–76
Frequencies of paired open-closed durations of ion channels. Method of evaluation from single-channel recordings. Steinberg IZ. **Biophys J** 1987 Jul;52(1):47–55
Why is gramicidin valence selective? A theoretical study. Sung SS, et al. **Biophys J** 1987 Apr;51(4):661–72
Kinetic transport model for cellular regulation of pH and solute concentration in the renal proximal tubule. Verkman AS, et al. **Biophys J** 1987 Apr;51(4):533–46
Unconfined compression of hydrated viscoelastic tissues: a biphasic poroviscoelastic analysis. Mak AF. **Biorheology** 1986;23(4):371–83
Axial diffusion and wall permeability effects in perfused capillary–tissue structures. Fletcher JE, et al. **Biosystems** 1987;20(2):153–74
Replication in abstract and natural systems. Kampis G, et al. **Biosystems** 1987;20(2):143–52
Rectangular game theory and metabolic response to random changes in environmental states. Maclean FI. **Biosystems** 1987;20(3):259–66
Movements of molluscs by computer simulation. Mogg BM, et al. **Biosystems** 1987;20(3):267–73
The "protocell": a mathematical model of self-maintenance. Schwegler H, et al. **Biosystems** 1986;19(4):307–15
Punctualism, non-adaptationism, neutralism and evolution. Volkenstein MV. **Biosystems** 1987;20(3):289–304 (63 ref.)
Characterization of a rapidly responding animal model for fluoride-stimulated bone formation. Lundy MW, et al. **Bone** 1986;7(4):289–93
An ultrastructural study of osteogenesis in chick periosteum in vitro. Tenenbaum HC, et al. **Bone** 1986;7(4):295–302
An acoustic model of the patient undergoing artificial ventilation. Lin ES, et al. **Br J Anaesth** 1987 Feb; 59(2):256–64
Human preleukaemia: do we have a model? Jacobs A. **Br J Cancer** 1987 Jan;55(1):1–5 (78 ref.)
Animal models for percutaneous penetration: assessing contamination of the experimental system. Gummer CL, et al. **Br J Dermatol** 1986 Sep;115(3):335–9
Physiologicomathematical model for studying human exposure to organic solvents: kinetics of blood/tissue n-hexane concentrations and of 2,5-hexanedione in urine. Perbellini L, et al. **Br J Ind Med** 1986 Nov;43(11):760–8
A linear model for estimating the size of a closed population. Bonett DG, et al. **Br J Math Stat Psychol** 1986 May;39 (Pt 1):28–40
The effects of norethisterone in postmenopausal women on oestrogen replacement therapy: a model for the premenstrual syndrome. Magos AL, et al. **Br J Obstet Gynaecol** 1986 Dec;93(12):1290–6
The application of the linear-quadratic model to fractionated radiotherapy when there is incomplete normal tissue recovery between fractions, and possible implications for treatments involving multiple fractions per day [published erratum appears in Br J Radiol 1986 Dec;59(708):1151] Dale RG. **Br J Radiol** 1986 Sep;59(705):919–27
A model of semiautomatic type-specific diagnosis of brain tumours by computed tomography: mathematical fundaments and practical application. Iglesias JR, et al. **Br J Radiol** 1986 Sep;59(705):895–900
Human neuroblastoma cell lines as models of catechol uptake. Richards ML, et al. **Brain Res** 1986 Oct 1;384(1):132–7
Simulation in cancer research. Proceedings of a symposium/workshop/conference on Computer Modeling in Cancer Research. 6–7 January 1986, Durham, North Carolina, U.S.A. **Bull Math Biol** 1986;48(3–4):239–452
Entropy balance of white-tailed deer during a winter night. Aoki I. **Bull Math Biol** 1987;49(3):321–7
Non-equilibrium fluctuation in Volterra–Lotka systems. Baishya MC, et al. **Bull Math Biol** 1987;49(1):125–31
Heterogeneous organ models. Bateman JM. **Bull Math Biol** 1986;48(5–6):525–43
On the heterogeneity of reaction-diffusion generated pattern. Berding C. **Bull Math Biol** 1987;49(2):233–52
Physiological pharmacokinetics. Bischoff KB. **Bull Math Biol** 1986;48(3–4):309–22
A stochastic model for the origin and treatment of tumors containing drug-resistant cells. Coldman AJ, et al. **Bull Math Biol** 1986;48(3–4):279–92
Cell kinetics simulation languages. Donaghey CE. **Bull Math Biol** 1986;48(3–4):323–36
Hierarchical evolutive systems: a mathematical model for complex systems. Ehresmann AC, et al. **Bull Math Biol** 1987;49(1):13–50

Pulse waves in prestressed arteries. Erbay HA, et al. **Bull Math Biol** 1987;49(3):289–305

Global stability in time-delayed single-species dynamics. Freedman HI, et al. **Bull Math Biol** 1986;48(5–6):485–92

Predator-prey systems with group defence: the paradox of enrichment revisited. Freedman HI, et al. **Bull Math Biol** 1986;48(5–6):493–508

Convergence in a resource-based competition system. Gopalsamy K. **Bull Math Biol** 1986;48(5–6):681–99

The kinetics of solute clearance by a single tissue capillary of limited permeability: explicit solutions of two models and their bounds. Gosselin RP, et al. **Bull Math Biol** 1987; 49(3):329–49

The role of simulation in biomathematical modeling. Greco WR. **Bull Math Biol** 1986;48(3–4):241–51

Oscillatory flow of blood in a stenosed artery. Haldar K. **Bull Math Biol** 1987;49(3):279–87

Kinetic simulation of anticancer drug effects on metabolic pathway fluxes: two case studies. Jackson RC. **Bull Math Biol** 1986;48(3–4):337–51

Optimum capillary number for oxygen delivery to tissue in man. Kamiya A, et al. **Bull Math Biol** 1987;49(3):351–61

Receptors and functional linkage in membrane permeability: a quantum mechanical model. Lumsden CJ. **Bull Math Biol** 1986;48(5–6):545–67

A class of general stochastic compartmental systems. Mehata KM, et al. **Bull Math Biol** 1986;48(5–6):509–23

Chemical carcinogenesis and toxicity models: matching complexity to objectives. Menzel DB, et al. **Bull Math Biol** 1986;48(3–4):293–307

A study on the non-linear flow of blood through arteries. Misra JC, et al. **Bull Math Biol** 1987;49(3):257–77

Conference retrospective: an appropriate modeling infrastructure for cancer research. Newton CM. **Bull Math Biol** 1986;48(3–4):443–52

Time delays produced by essential nonlinearity in population growth models. Rosen G. **Bull Math Biol** 1987;49(2):253–5

Global stability of partially closed food-chains with resources. Roy AB, et al. **Bull Math Biol** 1986; 48(5–6):455–68

Transport of macromolecules in arterial wall in vivo: a mathematical model and analytical solutions. Saidel GM, et al. **Bull Math Biol** 1987;49(2):153–69

In vivo determination of Young's modulus for the human cornea. Sjøntoft E, et al. **Bull Math Biol** 1987;49(2):217–32

On mathematical modeling of critical variables in cancer treatment (goals: better understanding of the past and better planning in the future). Skipper HE. **Bull Math Biol** 1986; 48(3–4):253–78

Persistence and global stability in a predator-prey model consisting of three prey genotypes with fertility differences. So JW, et al. **Bull Math Biol** 1986;48(5–6):469–84

Cancer chemotherapy: optimal control using the Verhulst-Pearl equation. Swan GW. **Bull Math Biol** 1986; 48(3–4):381–404

Diffusion effect on stability of Lotka-Volterra models. Takeuchi Y. **Bull Math Biol** 1986;48(5–6):585–601

A nonlinear treatment of the protocell model by a boundary layer approximation. Tarumi K, et al. **Bull Math Biol** 1987; 49(3):307–20

A probabilistic approach for evaluating a technique for an indirect monitoring of the capillary blood flow to the gastric parietal cells. Torrång I, et al. **Bull Math Biol** 1987; 49(2):171–85

Parameter estimation in topological analysis of binary tree structures. Verwer RW, et al. **Bull Math Biol** 1987; 49(3):363–78

Use of the circuit simulation program SPICE2 for analysis of the metabolism of anticancer drugs. White JC. **Bull Math Biol** 1986;48(3–4):353–80

A force-of-infection model for onchocerciasis and its applications in the epidemiological evaluation of the Onchocerciasis Control Programme in the Volta River basin area. Remme J, et al. **Bull WHO** 1986;64(5):667–81

Formation of octacalcium phosphate and subsequent transformation to hydroxyapatite at low supersaturation: a model for cartilage calcification. Cheng PT. **Calcif Tissue Int** 1987 Jun;40(6):339–43

The effect of the Bain circuit on gas exchange. Jaeger MJ, et al. **Can J Anaesth** 1987 Jan;34(1):26–34

Effects of liver blood flow on hepatic uptake kinetics of galactose in anesthetized cats: parallel tube model. Greenway CV, et al. **Can J Physiol Pharmacol** 1987 Jun; 65(6):1193–9

Loss of heterozygosity at autosomal and X-linked loci during tumor progression in a patient with melanoma. Dracopoli NC, et al. **Cancer Res** 1987 Aug 1;47(15):3995–4000

Ion regulation, cell injury and carcinogenesis. Trump BF, et al. **Carcinogenesis** 1987 Aug;8(8):1027–31

Random walk type models for indicator-dilution studies: comparison of a local density random walk and a first passage times distribution. Bogaard JM, et al. **Cardiovasc Res** 1986 Nov;20(11):789–96

Time constant of isovolumic pressure fall in the intact canine left ventricle. Kettunen R, et al. **Cardiovasc Res** 1986 Sep; 20(9):698–704

Development and initial testing of a model for in vitro formation of pit and fissure caries. Katz S, et al. **Caries Res** 1986;20(5):424–8

Protein sorting by selective retention in the endoplasmic reticulum and Golgi stack. Rothman JE. **Cell** 1987 Aug 14;50(4):521–2

The self-nonself discrimination is not regulated by suppression. Langman RE. **Cell Immunol** 1987 Aug; 108(1):214–9

Determination of proliferative parameters from growth curves. Cowan R, et al. **Cell Tissue Kinet** 1987 Mar; 20(2):153–9

Quantitative modelling of endocrine diseases as exemplified by diabetes. Turner RC, et al. **Clin Endocrinol (Oxf)** 1987 Jan;26(1):107–16 (26 ref.)

Paracellular recirculation of sodium is essential to support nutrient absorption in the gastrointestinal tract: an hypothesis. Halperin ML, et al. **Clin Invest Med** 1986; 9(3):209–11

(T)he(o)retical ideas of diaphragmatic action. Macklem PT. **Clin Invest Med** 1987 Jan;10(1):21–5

Models of peptide biosynthesis: the molecular and cellular basis of insulin production. Steiner DF, et al. **Clin Invest Med** 1986 Nov;9(4):328–36

Of mice and men: the extension of animal models to the clinical evaluation of new drugs. Lemberger L. **Clin Pharmacol Ther** 1986 Dec;40(6):599–603

A dual-frequency applied potential tomography technique: computer simulations. Griffiths H, et al. **Clin Phys Physiol Meas** 1987;8 Suppl A:103–7

Development and application of a prediction model for dental caries. Abernathy JR, et al. **Community Dent Oral Epidemiol** 1987 Feb;15(1):24–8

Comparative model analysis of central shunts in vertebrate cardiovascular systems. Tazawa H, et al. **Comp Biochem Physiol [A]** 1987;86(4):595–607

Prediction modeling of physiological responses and human performance in the heat. Pandolf KB, et al. **Comput Biol Med** 1986;16(5):319–29

Distribution of ventilation and perfusion: a teaching model. Petrini MF. **Comput Biol Med** 1986;16(6):431–44

Simulation of the force enhancement phenomenon in muscle. Sprigings EJ. **Comput Biol Med** 1986;16(6):423–30

Revised formulation of the Hodgkin-Huxley representation of the sodium current in cardiac cells. Drouhard JP, et al. **Comput Biomed Res** 1987 Aug;20(4):333–50

Oxygen transport: an analysis of short-term blood flow autoregulation. Gaar KA Jr. **Comput Biomed Res** 1987 Jun; 20(3):214–24

Using Vmax to estimate changes in the sodium membrane conductance in cardiac cells. Roberge FA, et al. **Comput Biomed Res** 1987 Aug;20(4):351–65

A microcomputer program for simulation of linear compartmental physiological models: computation on Apple IIe. Champarnaud G, et al. **Comput Methods Programs Biomed** 1987 Feb;24(1):63–4

Alveolar flooding: a computer simulation. Heijmans F, et al. **Comput Methods Programs Biomed** 1986 Oct; 23(2):93–101

Intelligent physiologic modeling: an application of knowledge based systems technology to medical education. Kunstaetter R. **Comput Methods Programs Biomed** 1987 Jun;24(3):213–25

Analysis of the clinical findings used to diagnose coliform mastitis in dairy cows, and comparison to a prediction model. White ME, et al. **Cornell Vet** 1987 Jan;77(1):13–20

Arterial-alveolar oxygen partial pressure ratio [letter] Gilbert R. **Crit Care Med** 1987 May;15(5):540–1

A theory of corneal endothelial polymegethism and aging. Schoessler JP, et al. **Curr Eye Res** 1987 Feb;6(2):301–6

Funds for models in comparative immunology [editorial] Cooper EL. **Dev Comp Immunol** 1987 Spring;11(2):277–8

Health risks of SO2 released from coal-fired plants: a model for general evaluations. De Santis V, et al. **Environ Res** 1986 Oct;41(1):130–8

Computer analysis of enzyme-substrate-inhibitor kinetic data with automatic model selection using IBM-PC compatible microcomputers. Lutz RA, et al. **Enzyme** 1986; 36(3):197–206

A physical model of sodium channel gating. Edmonds DT. **Eur Biophys J** 1987;14(4):195–201

Pharmacological models and their use in clinical anaesthesia. Schwilden H, et al. **Eur J Anaesthesiol** 1986 May; 3(3):175–208 (98 ref.)

A systems model approach to the ventilatory anaerobic threshold. Morton RH, et al. **Eur J Appl Physiol** 1987; 56(3):367–73

On a model of human bioenergetics. II. Maximal power and endurance. Morton RH. **Eur J Appl Physiol** 1986; 55(4):413–8

Kinetic implications of the occurrence of several relaxations in the conformational transition of mnemonical enzymes. Ricard J, et al. **Eur J Biochem** 1986 Sep 1;159(2):247–54

Metabolic control and its analysis. Extensions to the theory and matrix method. Sauro HM, et al. **Eur J Biochem** 1987 May 15;165(1):215–21

A new model to assess deoxycholic acid metabolism in health using stable isotope dilution technique. Stellaard F, et al. **Eur J Clin Invest** 1987 Feb;17(1):63–7

Interaction of ethanol with codeine metabolism in rat hepatocytes: a multicompartmental model. Bodd E, et al. **Eur J Drug Metab Pharmacokinet** 1986 Jul–Sep; 11(3):239–43

A transmission model for AIDS. Knox EG. **Eur J Epidemiol** 1986 Sep;2(3):165–77

A rat model system for radioimmunodetection of kappa myeloma antigen on malignant B cells. Walker KZ, et al. **Eur J Nucl Med** 1986;12(9):461–7

Controlling multijoint motor behavior. Hogan N, et al. **Exerc Sport Sci Rev** 1987;15:153–90 (86 ref.)

Age trends in maximal physical performance: comparison and evaluation of models. Stones MJ, et al. **Exp Aging Res** 1986 Winter;12(4):207–15

Model systems for pharmacokinetics of steroid drugs subject to enterohepatic circulation. Schumann W, et al. **Exp Clin Endocrinol** 1986 Jul;87(2):118–24

A colloid osmotic model of macromolecular aggregation to explain tissue water loss in aging. Reiff TR. **Exp Gerontol** 1986;21(4–5):267–76

Amoeboid movement: a review and proposal of a 'membrane ratchet' model. Bignold LP. **Experientia** 1987 Aug 15; 43(8):860–8 (137 ref.)

Uncharged tRNA error damping model. Gallant JA. **FEBS Lett** 1986 Oct 6;206(2):185–8

Hormonal regulation of 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase: kinetic models. Goldstein BN, et al. **FEBS Lett** 1987 Jun 15;217(2):212–5

Pyrroloquinoline quinone and molecules mimicking its functional domains. Modulators of connective tissue formation? Hanauske-Abel HM, et al. **FEBS Lett** 1987 Apr 20;214(2):236–43 (48 ref.)

The leader peptides from bacteriorhodopsin and halorhodopsin are potential membrane-spanning amphipathic helices. von Heijne G, et al. **FEBS Lett** 1987 Mar 23;213(2):238–40

Modeling and artificial intelligence approaches to enzyme systems. Garfinkel D, et al. **Fed Proc** 1987 Jun;46(8):2481–4 (26 ref.)

Identifiability: the first step in parameter estimation. Jacquez JA. **Fed Proc** 1987 Jun;46(8):2477–80

Drug-receptor relationships, selection of therapeutic goals, and adaptive control of pharmacokinetic systems. Jelliffe RW. **Fed Proc** 1987 Jun;46(8):2494–501 (14 ref.)

Complexity and significance in computer simulations of physiological systems. Kootsey JM. **Fed Proc** 1987 Jun; 46(8):2490–3 (15 ref.)

Reducing complexity in metabolic networks: making metabolic meshes manageable. Palsson BO, et al. **Fed Proc** 1987 Jun;46(8):2485–9 (18 ref.)

Three-dimensional dose-response models of competing risks and natural life span. Raabe OG. **Fundam Appl Toxicol** 1987 May;8(4):465–73

Kinetics of non-equilibrium metabolism-coupled passive transport in biosystems. Baláž S, et al. **Gen Physiol Biophys** 1987 Feb;6(1):65–77

Mathematical modelling of intra- and extracellular potentials generated by active structures: effects of a step change in structure diameter. Dimitrova N. **Gen Physiol Biophys** 1987 Feb;6(1):19–34

Voltage clamp simulations for multifiber bundles in a double sucrose gap: radial vs. longitudinal resistance effects. Haas HG, et al. **Gen Physiol Biophys** 1987 Feb;6(1):3–18

Some predictions concerning the calcium channel model with different conformational states. Kostyuk PG, et al. **Gen Physiol Biophys** 1986 Dec;5(6):649–54

Simulation by two calcium store models of myocardial dynamic properties: potentiation, staircase, and biphasic tension development. Wussling M, et al. **Gen Physiol Biophys** 1986 Apr;5(2):135–52

Why the problem of reductionism in biological science will not go away. Caplan AL. **Growth** 1987 Spring;51(1):22–34

Generalizing growth functions assuming parameter heterogeneity. Piantadosi S. **Growth** 1987 Spring; 51(1):50–63

Mathematical models from laws of growth to tools for biologic analysis: fifty years of "Growth" Zeger SL, et al. **Growth** 1987 Spring;51(1):1–21 (66 ref.)

Radiation carcinogenesis: cumulative empirical distribution functions and risk projection models. Chau NP, et al. **Health Phys** 1986 Oct;51(4):447–55

A comparison of ICRP Publication 30 lung model-based predictions with measured bioassay data for airborne natural UO2 exposure. Thind KS. **Health Phys** 1987 Jul; 53(1):59–66

A model of the effect of outer hair cell motility on cochlear vibrations. Geisler CD. **Hear Res** 1986;24(2):125–31

Growth of estimated segment masses between four and sixteen years. Jensen RK. **Hum Biol** 1987 Feb;59(1):173–89

Bioelectric methods for estimating body composition: an overview and discussion. Malina RM. **Hum Biol** 1987 Apr; 59(2):329–35

Origin of teratomas and twins. Shahar S, et al. **Hum Genet** 1986 Nov;74(3):215–8

Development, evaluation and use of a pharmacokinetic model for hexachlorobenzene. Yesair DW, et al. **IARC Sci Publ** 1986;(77):297–318

A whole body thermal model of man during hyperthermia. Charny CK, et al. **IEEE Trans Biomed Eng** 1987 May; 34(5):375–87

Comparative evaluation of several pitch process models in the detection of vocal tremor. Gath I, et al. **IEEE Trans Biomed Eng** 1987 Jul;34(7):532–8

The closed form solution to the periodic core-conductor model using asymptotic analysis. Krassowska W, et al. **IEEE Trans Biomed Eng** 1987 Jul;34(7):519–31

Periodic conductivity as a mechanism for cardiac stimulation and defibrillation. Krassowska W, et al. **IEEE Trans Biomed Eng** 1987 Jul;34(7):555–60

Analysis of models for external stimulation of axons. Rattay

F. **IEEE Trans Biomed Eng** 1986 Oct;33(10):974–7
Stability and parameter studies of a stretch reflex loop model. Yurkovich S, et al. **IEEE Trans Biomed Eng** 1987 Jul; 34(7):547–53
A new mathematical model of proliferation control during immune response. Pfikrylová D, et al. **Immunol Lett** 1986 Nov 3;13(6):317–21
A new method for breathing pattern simulation. Myojo T. **Ind Health** 1987;25(1):35–9
Molecular interactions in the membrane phase: implications in biotechnology. Sitaramam V, et al. **Indian J Exp Biol** 1986 Oct;24(10):615–23 (54 ref.)
A mechanism for the suppression of ongoing IgE synthesis. Sherr EH, et al. **Int Arch Allergy Appl Immunol** 1987; 82(3–4):414–6
Kinetic modeling of powder charcoal haemoperfusion. van Berlo AM, et al. **Int J Artif Organs** 1986 Sep;9(5):313–8
Calculation of Hill slopes predicted by the four ligand exponential model for a regulatory enzyme. Ainsworth S, et al. **Int J Biomed Comput** 1986 Nov;19(3–4):279–88
Simulations of steady quaternary gas diffusion between alveolar and blood compartments. Ben Jebria A. **Int J Biomed Comput** 1987 Jan;20(1–2):97–105
A four compartment linear mammillary model. Cherruault Y, et al. **Int J Biomed Comput** 1987 Jan;20(1–2):27–33
A validation study of a simulation model for common source epidemics. Shonkwiler R, et al. **Int J Biomed Comput** 1986 Nov;19(3–4):175–94
The biological foundation of the Gompertz model. Xu XL. **Int J Biomed Comput** 1987 Jan;20(1–2):35–9
The role of mathematical models in helminth population biology. Anderson RM. **Int J Parasitol** 1987 Feb; 17(2):519–29 (73 ref.)
Continuous measurement of leakage during isolated liver perfusion with a radiotracer. Runia RD, et al. **Int J Rad Appl Instrum [B]** 1987;14(2):113–8
The rat as a model for evaluation of biotin bioavailability from feed ingredients for poultry and swine. Misir R. **Int J Vitam Nutr Res** 1987;57(1):65–70
Toward a comprehensive three-dimensional model of the contractile system of vertebrate smooth muscle cells. Bagby R. **Int Rev Cytol** 1986;105:67–128 (145 ref.)
The electrical dimension of cells: the cell as a miniature electrophoresis chamber. De Loof A. **Int Rev Cytol** 1986; 104:251–352 (679 ref.)
Calculations of flow resistance in the juxtacanalicular meshwork. Ethier CR, et al. **Invest Ophthalmol Vis Sci** 1986 Dec;27(12):1741–50
Bone mineral measurement in the human spine using computed tomography. Scalzetti EM, et al. **Invest Radiol** 1986 Nov;21(11):858–63
A model for vocal fold vibratory motion, contact area, and the electroglottogram. Childers DG, et al. **J Acoust Soc Am** 1986 Nov;80(5):1309–20
On subglottal formant analysis. Cranen B, et al. **J Acoust Soc Am** 1987 Mar;81(3):734–46
A model for the nearfield acoustics of the fish swimbladder and its relevance for directional hearing. de Munck JC, et al. **J Acoust Soc Am** 1987 Feb;81(2):556–60
On the damped frequency response of a finite-element model of the cat eardrum. Funnell WR, et al. **J Acoust Soc Am** 1987 Jun;81(6):1851–9
On Riccati equations describing impedance relations for forward and backward excitation in the one-dimensional cochlea model. Kaernbach C, et al. **J Acoust Soc Am** 1987 Feb;81(2):408–11
A fibrous dynamic continuum model of the tympanic membrane. Rabbitt RD, et al. **J Acoust Soc Am** 1986 Dec; 80(6):1716–28
Synchrony suppression in complex stimulus responses of a biophysical model of the cochlea. Shamma SA, et al. **J Acoust Soc Am** 1987 May;81(5):1486–98
Phase effects in masking related to dispersion in the inner ear. Smith BK, et al. **J Acoust Soc Am** 1986 Dec; 80(6):1631–7
Manifest orientation: the theoretical link between the anatomy of the heart and the clinical electrocardiogram. Horan LG. **J Am Coll Cardiol** 1987 May;9(5):1049–56
Economic impact of the use of prostaglandin to induce estrus in dairy cows [published erratum appears in J Am Vet Med Assoc 1987 Jun 1;190(11):1374] Fetrow J, et al. **J Am Vet Med Assoc** 1987 Jan 15;190(2):163–9
Predicting intake and digestibility using mathematical models of ruminal function. Mertens DR. **J Anim Sci** 1987 May; 64(5):1548–58
A flow-limited simulation model of isotopic water dilution. Russell RW, et al. **J Anim Sci** 1987 Apr;64(4):1010–8
Microbial film formation: dental plaque deposition on acrylic tiles using continuous culture techniques. Keevil CW, et al. **J Appl Bacteriol** 1987 Feb;62(2):129–38
Energy cost minimization in left ventricular ejection: an optimal control model. Hämäläinen JJ, et al. **J Appl Physiol** 1986 Nov;61(5):1972–9
Influences of overall thermal balance on local inputs for drive of evaporation in men. Heising M, et al. **J Appl Physiol** 1987 Mar;62(3):926–31
Dynamics of mammalian thermoregulation and its circadian component. Iberall AS. **J Appl Physiol** 1986 Sep; 61(3):1230–3
Modeling of respiratory system impedances in dogs. Jackson AC, et al. **J Appl Physiol** 1987 Feb;62(2):414–20
Mucus clearance by two-phase gas–liquid flow mechanism: asymmetric periodic flow model. Kim CS, et al. **J Appl Physiol** 1987 Mar;62(3):959–71
Cat lung hemodynamics: comparison of experimental results and model predictions. Krishnan A, et al. **J Appl Physiol** 1986 Dec;61(6):2023–34
Liquid thickness vs. vertical pressure gradient in a model of the pleural space. Lai-Fook SJ, et al. **J Appl Physiol** 1987 Apr;62(4):1747–54
Delayed or accelerated oxygen uptake kinetics in the transition from prior exercise? Morton RH. **J Appl Physiol** 1987 Feb;62(2):844–6
Effects of gas properties and waveform asymmetry on gas transport in a branching tube network. Paloski WH, et al. **J Appl Physiol** 1987 Mar;62(3):892–901
Estimation of response curves in closed-loop physiological control. Poon CS. **J Appl Physiol** 1986 Oct;61(4):1481–91
A modeling approach to the estimation of CO diffusing capacity. Prisk GK, et al. **J Appl Physiol** 1987 Jan; 62(1):373–80
Interdependent regional lung emptying during forced expiration: a transistor model. Solway J, et al. **J Appl Physiol** 1987 May;62(5):2013–25
An integrated model for the interaction of muscle relaxants with their antagonists. Unadkat JD, et al. **J Appl Physiol** 1986 Oct;61(4):1593–8
Simulation of the vertical gradient of transpulmonary pressure by stable foams. Warner DO, et al. **J Appl Physiol** 1986 Sep;61(3):1221–5
Importance of oscillations in alveolar gas concentrations in the analysis of rebreathing data. Weisiger KH, et al. **J Appl Physiol** 1986 Sep;61(3):1104–13
Metabolic cost of walking: equation and model. Workman JM, et al. **J Appl Physiol** 1986 Oct;61(4):1369–74
The random collision model and a critical assessment of diffusion and collision in mitochondrial electron transport. Hackenbrock CR, et al. **J Bioenerg Biomembr** 1986 Oct; 18(5):331–68 (88 ref.)
Importance of the mitochondrial outer membrane channel as a model biological channel. Mannella CA, et al. **J Bioenerg Biomembr** 1987 Aug;19(4):305–8 (23 ref.)
Energy expenditure in the control of biochemical systems by covalent modification. Goldbeter A, et al. **J Biol Chem** 1987 Apr 5;262(10):4460–71
Determinants in the pathways followed by the carbons of acetone in their conversion to glucose. Kosugi K, et al. **J Biol Chem** 1986 Oct 5;261(28):13179–81
Receptor interconversion model of hormone action. I. ATP-mediated conversion of estrogen receptors from a high to lower affinity state and its relationship to antiestrogen action. McNaught RW, et al. **J Biol Chem** 1986 Dec 25;261(36):17011–7
Binding, internalization, and intracellular processing of protein ligands. Derivation of rate constants by computer modeling. Myers AC, et al. **J Biol Chem** 1987 May 15; 262(14):6494–9
Receptor interconversion model of hormone action. II. Nucleotide-mediated conversion of estrogen receptors from nonsteroid binding to the lower affinity binding state. Raymoure WJ, et al. **J Biol Chem** 1986 Dec 25; 261(36):17018–25
An estimation of power output and work done by the human triceps surae muscle-tendon complex in jumping. Bobbert MF, et al. **J Biomech** 1986;19(11):899–906
A model of the human triceps surae muscle-tendon complex applied to jumping. Bobbert MF, et al. **J Biomech** 1986; 19(11):887–98
The techniques of elite male long jumpers. Hay JG, et al. **J Biomech** 1986;19(10):855–66
Fatigue in isometric contraction in a single muscle fibre: a compartmental calcium ion flow model. Kothiyal KP, et al. **J Biomech** 1986;19(11):943–50
Simulations of arterial pressure pulses using a transmission line model. LaCourse JR, et al. **J Biomech** 1986; 19(9):771–80
A constitutive model for two-dimensional soft tissues and its application to experimental data. Shoemaker PA, et al. **J Biomech** 1986;19(9):695–702
An estimation of drag in front crawl swimming. van der Vaart AJ, et al. **J Biomech** 1987;20(5):543–6
Comment on 'A mathematical theory of running' and the applications of this theory. van Ingen Schenau GJ, et al. **J Biomech** 1987;20(1):91–5
Deformation analyses in cell and developmental biology. Part II—Mechanical experiments on cells. Cheng LY. **J Biomech Eng** 1987 Feb;109(1):18–24
Deformation analyses in cell and developmental biology. Part I—Formal methodology. Cheng LY. **J Biomech Eng** 1987 Feb;109(1):10–7
The kinetics of chemically induced nonequilibrium swelling of articular cartilage and corneal stroma. Eisenberg SR, et al. **J Biomech Eng** 1987 Feb;109(1):79–89
Choking phenomena in a lung-like model. Elad D, et al. **J Biomech Eng** 1987 Feb;109(1):1–9
Finite deformation of soft tissue: analysis of a mixture model in uni-axial compression. Holmes MH. **J Biomech Eng** 1986 Nov;108(4):372–81
Assessment of fiber strength in a urinary bladder by using experimental pressure volume curves: an analytical method. Tözeren A. **J Biomech Eng** 1986 Nov;108(4):301–5
Regression model for predicting dissociations of regional cerebral glucose metabolism in individuals at risk for Huntington's disease. Clark CM, et al. **J Cereb Blood Flow Metab** 1986 Dec;6(6):756–62
A study of the single compartment tracer kinetic model for the measurement of local cerebral blood flow using 15O-water and positron emission tomography. Gambhir SS, et al. **J Cereb Blood Flow Metab** 1987 Feb;7(1):13–20
Computer modelling of measurement error in longitudinal lung function data. Dales RE, et al. **J Chronic Dis** 1987; 40(8):769–73
Time-dependency in Cox's regression analysis [letter] Mulder PG. **J Chronic Dis** 1987;40(4):365–6
Biostatistical issues and concepts in epidemiologic research. Prentice RL, et al. **J Chronic Dis** 1986;39(12):1169–83
Genetic and environmental factors in human carcinogenesis. Schottenfeld D. **J Chronic Dis** 1986;39(12):1021–30 (32 ref.)
Analysis of teleost hemoglobin by Adair and Monod-Wyman-Changeux models. Effects of nucleoside triphosphates and pH on oxygenation of tench hemoglobin. Weber RE, et al. **J Comp Physiol [B]** 1987;157(2):145–52
Metabolism of the lactating cow. II. Digestive elements of a mechanistic model. Baldwin RL, et al. **J Dairy Res** 1987 Feb;54(1):107–31
Metabolism of the lactating cow. III. Properties of mechanistic models suitable for evaluation of energetic relationships and factors involved in the partition of nutrients. Baldwin RL, et al. **J Dairy Res** 1987 Feb; 54(1):133–45
Metabolism of the lactating cow. I. Animal elements of a mechanistic model. Baldwin RL, et al. **J Dairy Res** 1987 Feb;54(1):77–105
Comparison of heritability estimates from daughter on dam regression with three models to account for production level of dam. DeVeer JC, et al. **J Dairy Sci** 1986 Nov; 69(11):2890–6
Approximating prediction error variances for multiple trait sire evaluations. Greenhalgh SA, et al. **J Dairy Sci** 1986 Nov;69(11):2877–83
In vitro infection and disinfection of dentinal tubules. Haapasalo M, et al. **J Dent Res** 1987 Aug;66(8):1375–9
A mixed-culture chemostat system to predict the effect of anti-microbial agents on the oral flora: preliminary studies using chlorhexidine. McDermid AS, et al. **J Dent Res** 1987 Aug;66(8):1315–20
Physical model for non-steady-state dissolution of dental enamel. Patel MV, et al. **J Dent Res** 1987 Sep;66(9):1418–24
Verification of theoretical modeling of heat transmission in teeth by in vivo experiments. Spierings TA, et al. **J Dent Res** 1987 Aug;66(8):1336–9
Development of an intra-oral single-section remineralization model. Wefel JS, et al. **J Dent Res** 1987 Sep;66(9):1485–9
The clonal model of vertebral column development: a reinvestigation of vertebral shape using Fourier analysis. O'Higgins P, et al. **J Embryol Exp Morphol** 1986 Jul; 96:171–82
Mechanism of antibacterial action: electron transfer and oxy radicals. Ames JR, et al. **J Free Radic Biol Med** 1986; 2(5–6):377–91
Gating of Na channels. Inactivation modifiers discriminate among models. Gonoi T, et al. **J Gen Physiol** 1987 Feb; 89(2):253–74
An experimental test of new theoretical models for the electrokinetic properties of biological membranes. The effect of UO2++ and tetracaine on the electrophoretic mobility of bilayer membranes and human erythrocytes. Pasquale L, et al. **J Gen Physiol** 1986 Dec;88(6):697–718
Warm ischemic damage to the epiphyseal growth plate: a rabbit model. Stark RH, et al. **J Hand Surg [Am]** 1987 Jan; 12(1):54–61
Patency after repair of forearm arterial injuries in animal models. Trumble T, et al. **J Hand Surg [Am]** 1987 Jan; 12(1):47–53
Theoretical analysis of the reaction of multivalent antigen with heterogeneous antibody: a model of soluble phase antibody assays. Griswold WR. **J Immunoassay** 1987; 8(1):145–71
A quantitative analysis of antigen-triggered lymphokine production by activated T cells. Gill RG, et al. **J Immunol** 1987 Feb 15;138(4):1130–6
Analysis of vesicle immunolysis assays. The direct binding model. Chang EL, et al. **J Immunol Methods** 1987 Aug 24;102(1):33–43
Monocytes accumulate on Rebuck skin window coverslips but not in skin chamber fluid. A comparative evaluation of two in vivo migration models. Zimmerli W, et al. **J Immunol Methods** 1987 Jan 26;96(1):11–7
On the rates of enzymatic, protein and model compound reactions: the importance of diffusion control. Dunford HB, et al. **J Inorg Biochem** 1986 Oct-Nov;28(2–3):263–9
On the nature of boundary-organized biomineralization (BOB). Mann S. **J Inorg Biochem** 1986 Oct-Nov; 28(2–3):363–71
Computer simulation of the metabolic consequences of the combined deficiency of 6-phosphogluconolactonase and glucose-6-phosphate dehydrogenase in human erythrocytes. Thorburn DR, et al. **J Lab Clin Med** 1987 Jul;110(1):70–4
Transient behavior of a chemotaxis system modelling certain types of tissue inflammation. Alt W, et al. **J Math Biol** 1987;24(6):691–722
Equilibria in systems of interacting structured populations. Cushing JM. **J Math Biol** 1987;24(6):627–49
On density and extinction in continuous population models. Hallam TG, et al. **J Math Biol** 1987;25(2):191–201

Persistence in population models with demographic fluctuations. Hallam TG, et al. **J Math Biol** 1986; 24(3):327–39

Control theory predictions of reproductive allocation in female dusky salamanders. Hom CL. **J Math Biol** 1987; 25(3):289–306

A mathematical analysis of small mammal populations. Hoppensteadt FC, et al. **J Math Biol** 1987;25(3):263–74

Bifurcations in Turing systems of the second kind may explain blastula cleavage plane orientation. Hunding A. **J Math Biol** 1987;25(2):109–21

A stochastic repair—misrepair model for the effects of radiation on cells. Janssen I. **J Math Biol** 1987;24(6):681–9

Performance of one- and two-dimensional models for a slow flow system in a long, permeable tubule. Morrish K. **J Math Biol** 1986;24(3):237–58

A three component model of human bioenergetics. Morton RH. **J Math Biol** 1986;24(4):451–66

Inference for an age-dependent, multitype branching-process model of mast cells. Nedelman J, et al. **J Math Biol** 1987; 25(2):203–26

Nonlinear pattern selection in a mechanical model for morphogenesis. Perelson AS, et al. **J Math Biol** 1986; 24(5):525–41

Effects of noise on some dynamical models in ecology. Schaffer WM, et al. **J Math Biol** 1986;24(5):479–523

Human sleep and circadian rhythms: a simple model based on two coupled oscillators. Strogatz SH. **J Math Biol** 1987; 25(3):327–47

Entrainment in pacemakers characterized by a V-shaped PRC. Torras i Genís C. **J Math Biol** 1986;24(3):291–312

Stochastic model of leukocyte chemosensory movement. Tranquillo RT, et al. **J Math Biol** 1987;25(3):229–62

On a stochastic integral of a branching process. Udayabaskaran S, et al. **J Math Biol** 1986;24(4):467–72

A Fokker–Planck equation for growing cell populations. van der Mee CV, et al. **J Math Biol** 1987;25(1):61–72

Single-channel analysis of the conductance fluctuations induced in lipid bilayer membranes by complement proteins C5b-9. Benz R, et al. **J Membr Biol** 1986;94(1):37–45

Ionic selectivity revisited: the role of kinetic and equilibrium processes in ion permeation through channels. Eisenman G, et al. **J Membr Biol** 1983;76(3):197–225 (128 ref.)

Electrogenic properties of the sodium–alanine cotransporter in pancreatic acinar cells: II. Comparison with transport models. Jauch P, et al. **J Membr Biol** 1986;94(2):117–27

Difference in capacities for virion-to-virion fusion of young and aged HVJ (Sendai virus): a model of membrane fusion. Kim J, et al. **J Membr Biol** 1987;97(3):241–9

Measurement of increased uptake of osmium in skin and in a gelatin model 'tissue' treated with tannic acid. Caceci T, et al. **J Microsc** 1987 Jul;147 (Pt 1):109–14

Stereology of arbitrary particles. A review of unbiased number and size estimators and the presentation of some new ones, in memory of William R. Thompson. Gundersen HJ. **J Microsc** 1986 Jul;143 (Pt 1):3–45

A macroscopic model of lungs and a material simulating their properties at radio and microwave frequencies. Kraszewski A, et al. **J Microwave Power** 1986;21(4):233–40

Optimal design of vertebrate and insect sarcomeres. Otten E. **J Morphol** 1987 Jan;191(1):49–62

Kinetic modeling of receptor–ligand binding applied to positron emission tomographic studies with neuroleptic tracers. Logan J, et al. **J Neurochem** 1987 Jan;48(1):73–83

Trauma and multiple sclerosis. An hypothesis. Poser CM. **J Neurol** 1987 Apr;234(3):155–9

A simple test for the random arrangement of muscle fibres. Howel D, et al. **J Neurol Sci** 1987 Jan;77(1):49–57

Mathematic models to assess platelet kinetics [letter] Trowbridge EA. **J Nucl Med** 1987 Mar;28(3):402

Simulation of the metabolism of absorbed energy-yielding nutrients in young sheep: efficiency of utilization of lipid and amino acid. Black JL, et al. **J Nutr** 1987 Jan; 117(1):116–28

Simulation of the metabolism of absorbed energy-yielding nutrients in young sheep: efficiency of utilization of acetate. Black JL, et al. **J Nutr** 1987 Jan;117(1):105–15

Computer simulation of iron absorption: regulation of mucosal and systemic iron kinetics in dogs. Nathanson MH, et al. **J Nutr** 1987 Jun;117(6):1067–75

Initial field and energy flux in absorbing optical waveguides. I. Theoretical formalism. Calvo ML, et al. **J Opt Soc Am [A]** 1987 Jun;4(6):1037–42

Effects of fibril orientations on light scattering in the cornea. Freund DE, et al. **J Opt Soc Am [A]** 1986 Nov; 3(11):1970–82

Relation of the normal-deviate vision receiver operating characteristic curve slope to d'. Massof RW. **J Opt Soc Am [A]** 1987 Mar;4(3):548–50

Corneal polarization in the living human eye explained with a biaxial model. Van Blokland GJ, et al. **J Opt Soc Am [A]** 1987 Jan;4(1):82–90

Efficient pharmacokinetic modeling of complex clinical dosing regimens: the universal elementary dosing regimen and computer algorithm EDFAST. Sebaldt RJ, et al. **J Pharm Sci** 1987 Feb;76(2):93–100

A diffusion-diffusion model for percutaneous drug absorption. Kubota K, et al. **J Pharmacokinet Biopharm** 1986 Aug;14(4):409–39

OMNE: a new robust membership-set estimator for the parameters of nonlinear models. Lahanier H, et al. **J Pharmacokinet Biopharm** 1987 Apr;15(2):203–19

Studies on the reliability of a bihyperbolic functional absorption model. I. Ring-substituted anilines. Martín-Villodre A, et al. **J Pharmacokinet Biopharm** 1986 Dec;14(6):615–33

A note on confidence intervals with extended least squares parameter estimates. Sheiner LB, et al. **J Pharmacokinet Biopharm** 1987 Feb;15(1):93–8

A note on appropriate constraints on the initial input response when applying deconvolution. Veng-Pedersen P, et al. **J Pharmacokinet Biopharm** 1986 Aug;14(4):441–7

Structural identifiability of "first-pass" models.Venot A, et al. **J Pharmacokinet Biopharm** 1987 Apr;15(2):179–89

Generalizations in linear pharmacokinetics using properties of certain classes of residence time distributions. I. Log-convex drug disposition curves. Weiss M. **J Pharmacokinet Biopharm** 1986 Dec;14(6):635–57

Neurokinin-induced salivation in the anesthetized rat: a three receptor hypothesis. Murray CW, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):500–6

Testing models of insulin binding in rat adipocytes using network thermodynamic computer simulations. Martin TJ, et al. **J Recept Res** 1986;6(3–4):323–36

Application of a Poisson-gamma model to study the influence of gamete concentration on sperm–oocyte fusion in the zona-free hamster egg penetration test. Aitken RJ, et al. **J Reprod Fertil** 1986 Nov;78(2):733–9

Microcarcinoma of the vulva. Pickel H, et al. **J Reprod Med** 1986 Sep;31(9):831–5

A bioengineering analysis of human muscle and joint forces in the lower limbs during running. Harrison RN, et al. **J Sports Sci** 1986 Winter;4(3):201–18

Steroid hormone antagonism and a cyclic model of receptor kinetics. Munck A, et al. **J Steroid Biochem** 1987 Feb; 26(2):173–9

Equilibrium and steady state thermodynamics of active transport systems studied on simple models simulating Ca2+ transport through sarcoplasmic reticulum membranes. Alonso GL, et al. **J Theor Biol** 1986 May 21; 120(2):191–203

Stochastic description of the three-state model of the Na channel. Ashida H. **J Theor Biol** 1986 Jul 7;121(1):45–57

Comments on a model of ovum transport. Bhatt BS. **J Theor Biol** 1986 Jul 21;121(2):249–54

A model for the control of testosterone secretion. Cartwright M, et al. **J Theor Biol** 1986 Nov 21;123(2):239–50

A mathematical model of pattern formation. Chichilnisky EJ. **J Theor Biol** 1986 Nov 7;123(1):81–101

A model describing the kinetics of mating in Drosophila. Dowse HB, et al. **J Theor Biol** 1986 Jul 21;121(2):173–83

Progress curves of reactions catalyzed by unstable enzymes. A theoretical approach. Duggleby RG. **J Theor Biol** 1986 Nov 7;123(1):67–80

Muco-ciliary transport in the lung. Fulford GR, et al. **J Theor Biol** 1986 Aug 21;121(4):381–402

Coagulation in cell suspensions: extensions of the von Smoluchowski model. Hardy CD, et al. **J Theor Biol** 1986 May 21;120(2):181–9

A simple physical model for fungicide induced hexagonal clustering of intramembrane particles in the plasmalemma of Ustilago avenae. Hippe S, et al. **J Theor Biol** 1986 Aug 7;121(3):351–66

Simulation analysis of excitation conduction in the heart: propagation of excitation in different tissues. Kawato M, et al. **J Theor Biol** 1986 Jun 21;120(4):389–409

Coexistence of two competitors on one resource and one inhibitor: a chemostat model based on bacteria and antibiotics. Lenski RE, et al. **J Theor Biol** 1986 Sep 7; 122(1):83–93

Modelling of DNA sedimentation profiles from irradiated eukaryotic cells. Lokajíček M, et al. **J Theor Biol** 1986 Jul 7;121(1):121–7

Exploration of apical sodium transport mechanisms in an epithelial model by network thermodynamic simulation of the effect of mucosal sodium depletion: I. Comparison of three different apical sodium permeability expressions. Mintz E, et al. **J Theor Biol** 1986 Nov 7;123(1):1–19

Exploration of apical sodium transport mechanisms in an epithelial model by network thermodynamic simulation of the effect of mucosal sodium depletion: II. An apical sodium channel and amiloride blocking. Mintz E, et al. **J Theor Biol** 1986 Nov 7;123(1):21–34

A systematic method for the compilation of the King & Altman graphs of a steady-state enzyme model suitable for manual or computer use. Olavarría JM. **J Theor Biol** 1986 Oct 7;122(3):269–75

On the Newman–Frisch model of limb chondrogenesis. Othmer HG. **J Theor Biol** 1986 Aug 21;121(4):505–8

Belovsky's model of optimal moose size. Reiss MJ. **J Theor Biol** 1986 Sep 21;122(2):237–42

An electrodynamic (moving field) theory of muscular contraction. Seely S. **J Theor Biol** 1986 Jul 21;121(2):233–48

Chemical dynamic approach to synergetics and instability in biological systems. Shirane K, et al. **J Theor Biol** 1986 Nov 21;123(2):187–92

A theoretical model to study the effect of convection and leaky junctions on macromolecule transport in artery walls. Tzeghai G, et al. **J Theor Biol** 1986 Jul 21;121(2):141–62

Relation of branching angles to optimality for four cost principles. Woldenberg MJ, et al. **J Theor Biol** 1986 Sep 21;122(2):187–204

Models of the medullary microcirculation. McNeely EA, et al. **Kidney Int** 1987 Feb;31(2):662–7 (28 ref.)

Models of the urinary concentrating mechanism. Stephenson JL. **Kidney Int** 1987 Feb;31(2):648–61 (44 ref.)

Induction of ornithine decarboxylase activity in hairless rat epidermis as a pharmacological model: validation of the animal model. Bouclier M, et al. **Lab Anim** 1987 Jul; 21(3):233–40

A human tumour model. Forrest AP, et al. **Lancet** 1986 Oct 11;2(8511):840–2

Olfactory evoked potentials in the rat. Inokuchi A, et al. **Laryngoscope** 1986 Oct;96(10):1107–11

A new look at the haemopoietic response to cytotoxic agents and stem cell regulation. Blackett NM. **Leuk Res** 1987; 11(4):365–70

Effects of selective pulses on the measurement of T2 and apparent diffusion in multiecho MRI. Majumdar S, et al. **Magn Reson Med** 1987 Feb;4(2):120–8

Magnesium as a regulatory cation: criteria and evaluation. Grubbs RD, et al. **Magnesium** 1987;6(3):113–27 (78 ref.)

Cellular aging (the Hayflick limit) and species longevity: a unification model based on clonal succession. Juckett DA. **Mech Ageing Dev** 1987 Mar;38(1):49–71

Simulation of laser tomoscopy in a heterogeneous biological medium. Maarek JM, et al. **Med Biol Eng Comput** 1986 Jul;24(4):407–14

Experimental modelling of biomechanical impedance characteristics. Yamamoto T, et al. **Med Biol Eng Comput** 1986 Sep;24(5):493–8

A hypothetical model on the mechanism of anesthesia. Cheng SC, et al. **Med Hypotheses** 1987 May;23(1):1–9

Ecology and arteriosclerosis. Clerc G, et al. **Med Hypotheses** 1986 Sep;21(1):97–103 (33 ref.)

Hypothesis: AIDS encephalopathy is due to primary and persistent infection of the brain with a human retrovirus of the lentivirus subfamily. Epstein LG, et al. **Med Hypotheses** 1986 Sep;21(1):87–96 (40 ref.)

A conceptual model of cell division in neoplasia. Jenkin B. **Med Hypotheses** 1987 Feb;22(2):187–93

The inverse relationship between drug affinity and effectiveness: prediction under rate theory, paradox under occupancy theory. O'Brien DR. **Med Hypotheses** 1987 Jul; 23(3):327–33

The origin and evolution of vertebrate pattern and form—a theory of vertebrate development by preformation based on the genetic molecular shape. Sarkin TL. **Med Hypotheses** 1986 Sep;21(1):1–41

Model for a possible non-visual function of the iris, lens and peripheral retina. Waniek D. **Med Hypotheses** 1987 Jul; 23(3):309–12

Cancer is a metabolic deficiency. Zajicek G. **Med Hypotheses** 1986 Sep;21(1):105–15

Analysis of foot motion during running using a joint co-ordinate system. Soutas-Little RW, et al. **Med Sci Sports Exerc** 1987 Jun;19(3):285–93

Measurements of diffusion and chemical kinetics by fluorescence photobleaching recovery and fluorescence correlation spectroscopy. Petersen NO, et al. **Methods Enzymol** 1986;130:454–84

Physiological pharmacokinetic models: principles, applications, limitations and outlook. Ritschel WA, et al. **Methods Find Exp Clin Pharmacol** 1986 Oct;8(10):603–14 (52 ref.)

NONLIN84/PCNONLIN: software for the statistical analysis of nonlinear models. Weiner DL. **Methods Find Exp Clin Pharmacol** 1986 Oct;8(10):625–8

Estimation of red cell flow microvessels: consequences of the Baker–Wayland spatial averaging model. Pittman RN, et al. **Microvasc Res** 1986 Nov;32(3):371–88

The microvasculature in skeletal muscle. IV. A model of the capillary network. Skalak TC, et al. **Microvasc Res** 1986 Nov;32(3):333–47

Computer simulation of biological systems. Current trends. Lumb JR. **Mol Cell Biochem** 1987 Feb;73(2):91–8

Ligand dissociation constants from competition binding assays: errors associated with ligand depletion. Goldstein A, et al. **Mol Pharmacol** 1987 Jun;31(6):603–9

Test of models for the sequence specificity of UV-induced mutations in mammalian cells. Munson PJ, et al. **Mutat Res** 1987 Jul;179(1):103–14

Are mitochondrial DNA mutations involved in the carcinogenic process? Shay JW, et al. **Mutat Res** 1987 Sep; 186(2):149–60 (114 ref.)

Cerebral cortex. A quiet revolution in thinking [news] Altman J. **Nature** 1987 Aug 13–19;328(6131):572–3

Modelling for its own sake [news] Maddox J. **Nature** 1987 Aug 13–19;328(6131):571

Mathematics for natural hierarchy [news] Maddox J. **Nature** 1986 Nov 20–26;324(6094):205

Model for individual substitution of immunoglobulins after membrane plasma separation. Sprenger KB, et al. **Nephron** 1987;46(3):231–8

Models of spinal cord injury: Part 2. A mathematical model. Kushner H, et al. **Neurosurgery** 1986 Nov;19(5):763–6

Enterohepatic circulation and distribution of 131I-6 beta-iodomethyl-19-norcholesterol (NP-59). Lynn MD, et al. **Nucl Med Commun** 1986 Aug;7(8):625–30

Curve models for comparative phase III trials: heterogeneity of the population. Eriguchi M, et al. **Oncology** 1986; 43(5):323–6

Two simple calculating schemes for use in ophthalmic optics—I. Tracing oblique rays through systems including astigmatic surfaces. Bennett AG. **Ophthalmic Physiol Opt** 1986;6(3):325–31

A model for emmetropization: predicting the progression of ametropia. Medina A. **Ophthalmologica** 1987; 194(2–3):133–9

Role of amphiphilic compounds in the evolution of membrane structure on the early earth. Deamer DW. **Orig Life Evol Biosph** 1986;17(1):3–25

The triose model: glyceraldehyde as a source of energy and monomers for prebiotic condensation reactions. Weber AL. **Orig Life Evol Biosph** 1987;17(2):107–19

Computer modeling of DDD pacemakers for use in prophylaxis of junctional reentry tachycardia. Malik M, et al. **PACE** 1987 Jul;10(4 Pt 1):839–52

Surgical complications of the Thomas pancreatic fistula. Johnson CD, et al. **Pancreas** 1986;1(3):279–82

Genetic instability and tumor progression. Kendal WS, et al. **Pathol Immunopathol Res** 1986;5(6):455–67 (101 ref.)

Mechanisms underlying the dietary fat impact on lipoproteins, atherogenesis and gallstones. Stephan ZF, et al. **Pathol Immunopathol Res** 1986;5(6):468–90 (99 ref.)

Prediction of the progression of chronic renal failure in children: are current models accurate? Tabak MA, et al. **Pediatrics** 1986 Dec;78(6):1007–12

Computational model for insensible water loss from the newborn. Ultman JS. **Pediatrics** 1987 May;79(5):760–5

Some tests of the Marr–Ullman model of movement detection. Moulden B, et al. **Perception** 1986;15(2):139–55

Fractals: a new look at biological shape and patterning. Tsonis AA, et al. **Perspect Biol Med** 1987 Spring; 30(3):355–61

Mathematical analysis of tissue PO2 distribution in the cat carotid body. Degner F, et al. **Pflugers Arch** 1986 Sep; 407(3):305–11

Determination of permeabilities for two gases from recording the partial pressure of one gas. Hoofd L, et al. **Pflugers Arch** 1986 Sep;407(3):320–6

Evidence for a two-site model of forskolin action in frog urinary bladder. Svelto M, et al. **Pflugers Arch** 1987 Aug; 409(4–5):486–91

A novel method for quantifying passive-avoidance behavior based on the exponential distribution of step-through latencies. Shulz D, et al. **Pharmacol Biochem Behav** 1986 Nov;25(5):979–83

The role of model and computational experiments in the biomagnetic inverse problem. Cuffin BN. **Phys Med Biol** 1987 Jan;32(1):33–42

Inverse problem solution in cardiomagnetism using a current multipole expansion of the primary sources. Gonnelli RS, et al. **Phys Med Biol** 1987 Jan;32(1):133–42

Dynamics of the upper urinary tract: I. Peristaltic flow through a distensible tube of limited length. Griffiths DJ. **Phys Med Biol** 1987 Jul;32(7):813–22

Dynamics of the upper urinary tract: II. The effect of variations of peristaltic frequency and bladder pressure on pyeloureteral pressure/flow relations. Griffiths DJ, et al. **Phys Med Biol** 1987 Jul;32(7):823–33

Quantitative analysis of NMR spectroscopic imaging. Harpen MD, et al. **Phys Med Biol** 1987 Apr;32(4):421–30

The effect of torso geometry on magnetocardiographic isofield maps. Horacek BM, et al. **Phys Med Biol** 1987 Jan; 32(1):121–4

Trends in computational tools for biomagnetism: from procedural codes to intelligent scientific models. Ioannides AA. **Phys Med Biol** 1987 Jan;32(1):77–83

On the accuracy of source localisation in cardiac measurements. Katila T, et al. **Phys Med Biol** 1987 Jan; 32(1):125–31

Development of an agar phantom adaptable for simulation of various tissues in the range 5–40 MHz. Kato H, et al. **Phys Med Biol** 1987 Feb;32(2):221–6

A model of ion track structure based on classical collision dynamics. Kiefer J, et al. **Phys Med Biol** 1986 Nov; 31(11):1201–9

Transport dynamics of the hepato-biliary system: a mathematical model allied to Tc 99m IDA scintigraphy. Marshall EA, et al. **Phys Med Biol** 1987 Jun;32(6):719–35

Factor analysis of dynamic function studies using a priori physiological information. Nijran KS, et al. **Phys Med Biol** 1986 Oct;31(10):1107–17

The passive electrical properties of biological systems: their significance in physiology, biophysics and biotechnology. Pethig R, et al. **Phys Med Biol** 1987 Aug;32(8):933–70 (228 ref.)

Mathematical circulation model for the blood–flow–heat–loss relationship in the rat tail. Raman ER, et al. **Phys Med Biol** 1987 Jul;32(7):859–75

Basic mathematical and electromagnetic concepts of the biomagnetic inverse problem. Sarvas J. **Phys Med Biol** 1987 Jan;32(1):11–22

Evaluation of joint mobilization treatment. A method. Olson VL. **Phys Ther** 1987 Mar;67(3):351–6

Axis for dynamic measurement of flexion and extension torques about the lumbar spine. A computer simulation. Stokes IA. **Phys Ther** 1987 Aug;67(8):1230–3

A joint model of the contractile system of striated muscle (dynamic version). Wünsch Z. **Physiol Bohemoslov** 1987; 36(2):111–8

Computer modeling of Ca2+ pump function of Ca2+–Mg2+–ATPase of sarcoplasmic reticulum. Haynes DH, et al. **Physiol Rev** 1987 Jan;67(1):244–84

Hydrolysis of 2-hydroxy-4-(methylthio)butanoic acid dimer in two model systems. Lawson CQ, et al. **Poult Sci** 1986 Sep;65(9):1749–53

Can free energy be transduced from electric noise? Astumian RD, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):434–8

Asymmetry and external noise-induced free energy transduction. Chen YD. **Proc Natl Acad Sci USA** 1987 Feb; 84(3):729–33

Force generation by muscle fibers in rigor: a laser temperature-jump study. Davis JS, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):975–9

Use of muscle contraction formalism for kinesin in fast axonal transport. Hill TL. **Proc Natl Acad Sci USA** 1987 Jan; 84(2):474–7

Working principles in the immune system implied by the "peptidic self" model.Kourilsky P, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3400–4

Conversion of isoaspartyl peptides to normal peptides: implications for the cellular repair of damaged proteins. McFadden PN, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):2595–9

Lateral diffusion of lipids in complex biological membranes [published erratum appears in Proc Natl Acad Sci USA 1987 Aug;84(15):5231] O'Leary TJ. **Proc Natl Acad Sci USA** 1987 Jan;84(2):429–33

Dependence of thermodynamic efficiency of proton pumps on frequency of oscillatory concentration of ATP. Schell M, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):424–8

Ferric chloride-catalyzed activation of hydrogen peroxide for the demethylation of N,N-dimethylaniline, the epoxidation of olefins, and the oxidative cleavage of vicinal diols in acetonitrile: a reaction mimic for cytochrome P-450. Sugimoto H, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1731–3

Consequences of detailed balance in a model for sensory adaptation based on ligand-induced receptor modification. Walz D, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(17):6152–6

Models of the Na-K pump in cardiac muscle predict the wrong intracellular Na+ activity. Cohen IS, et al. **Proc R Soc Lond [Biol]** 1987 Aug 21;231(1264):371–82

A note on correlations in single ion channel records. Colquhoun D, et al. **Proc R Soc Lond [Biol]** 1987 Feb 23; 230(1258):15–52

A model to account for the elastic element in muscle crossbridges in terms of a bending myosin rod. Stewart M, et al. **Proc R Soc Lond [Biol]** 1987 Jan 22; 229(1257):381–413

Angiotensin receptors in smooth muscle: an agonist induced dual state (AIDS) receptor model. Moore GJ, et al. **Proc West Pharmacol Soc** 1986;29:209–12

A simple and convenient cell model for the characterization of volume sensitive taurine and GABA transport. Wolowyk MW, et al. **Proc West Pharmacol Soc** 1986;29:51–3

Simulation models for organic solvents. Droz PO. **Prog Clin Biol Res** 1986;220:73–87

Differences in the X-ray sensitivity of cells in different regions of the sandwich, a diffusion-limited system for cell growth. Hlatky L, et al. **Radiat Res** 1986 Oct;108(1):62–73

The survival response of a biological system to mixed radiations. Lam GK. **Radiat Res** 1987 May;110(2):232–43

An explanatory hypothesis for early- and late-effect parameter values in the LQ model. Schultheiss TE, et al. **Radiother Oncol** 1987 Jul;9(3):241–8

Gravity-induced hyperventilation is caused by a reduced brain perfusion. Arieli R, et al. **Respir Physiol** 1987 Aug; 69(2):237–44

Comparison of vertex analysis and branching ratio in the study of trees. Horsfield K, et al. **Respir Physiol** 1986 Aug; 65(2):245–56

Quantitative approaches for cancer risk assessment [letter] **Risk Anal** 1985 Mar;5(1):5–8

Biologically motivated cancer risk models. Thorslund TW, et al. **Risk Anal** 1987 Mar;7(1):109–19

Comparison of different averaging techniques applied to simulated visual evoked potentials. Valach M, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1985;28(3–5):221–6

Long term stability, influence of the head position and modelling considerations for evoked otoacoustic emissions. Antonelli A, et al. **Scand Audiol [Suppl]** 1986;25:97–108

Why do some individuals produce autoreactive antibodies against receptors and/or their ligands? A possible answer to the question. A review with implications. Hansen BL. **Scand J Immunol** 1986 Oct;24(4):363–70 (33 ref.)

Applications of hand-arm models in the investigation of the interaction between man and machine. Jahn R, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):343–5

Double-signal hypothesis for thrombin initiation of cell proliferation. Carney DH, et al. **Semin Thromb Hemost** 1986 Jul;12(3):231–40 (56 ref.)

Prediction of trunk muscle areas and moment arms by use of anthropometric measures. Reid JG, et al. **Spine** 1987 Apr;12(3):273–5

Fitting nonlinear models with ARMA errors to biological rhythm data. Greenhouse JB, et al. **Stat Med** 1987 Mar; 6(2):167–83

On the modelling of human growth. Karlberg J. **Stat Med** 1987 Mar;6(2):185–92

Diaschisis. Feeney DM, et al. **Stroke** 1986 Sep–Oct; 17(5):817–30 (206 ref.)

Simultaneous in vivo measurement of lumped constant and rate constants in experimental cerebral ischemia using F-18 FDG. Nakai H, et al. **Stroke** 1987 Jan–Feb;18(1):158–67

No evidence for transhemispheric diaschisis after human cerebral infarction. Wise R, et al. **Stroke** 1986 Sep–Oct; 17(5):853–61

The 'borderzone zone' controversy. A study of theory structure in biomedicine. Lie RK. **Theor Med** 1986 Oct; 7(3):243–58

Dynamics of populations with changing rates: generalization of the stable population theory. Kim YJ. **Theor Popul Biol** 1987 Apr;31(2):306–22

Estimation of regional gas and tissue volumes of the lung in supine man using computed tomography. Denison DM, et al. **Thorax** 1986 Aug;41(8):620–8

A physiological pharmacokinetic model for dermal absorption of vapors in the rat. McDougal JN, et al. **Toxicol Appl Pharmacol** 1986 Sep 15;85(2):286–94

Risk assessment extrapolations and physiological modeling. Clewell HJ 3d, et al. **Toxicol Ind Health** 1985 Dec; 1(4):111–31

On the hydraulic suspension theory of accommodation. Coleman DJ. **Trans Am Ophthalmol Soc** 1986;84:846–68

Prolonged minor allograft survival in intravenously primed mice—a test of the veto hypothesis. Johnson LL. **Transplantation** 1987 Jul;44(1):92–7

Pancreas autotransplantation—unsuitability of the swine as a model. Traverso LW, et al. **Transplantation** 1987 Sep; 44(3):450–1

Geometric and intensity distortion in echography. LaFollette PS Jr, et al. **Ultrasound Med Biol** 1986 Dec;12(12):953–63

The electrical-respiratory analogy when gas density is high. Van Liew HD. **Undersea Biomed Res** 1987 Mar; 14(2):149–60

Components of the pressure required to breathe dense gases. Van Liew HD. **Undersea Biomed Res** 1987 May; 14(3):263–76

Stereological estimates of nuclear volume correlated with histopathological grading and prognosis of bladder tumour. Nielsen K, et al. **Virchows Arch [B]** 1986;52(1):41–54

ISSX North American symposium on risk assessment and the biological fate of xenobiotics. International Society for the Study of Xenobiotics. 17–22 November 1985, Key Biscayne, Florida, USA. Proceedings. **Xenobiotica** 1987 Mar;17(3):253–422

Extrapolation from animals to man: predictions, pitfalls and perspectives. Ruelius HW. **Xenobiotica** 1987 Mar; 17(3):255–65 (22 ref.)

Analysis of single channel currents with a microprocessor based device. Schreibmayer W, et al. **Z Naturforsch [C]** 1987 Mar;42(3):173–7

[Mathematical modeling and simulation of the process of single-stage continuous cultivation in the production of L-lysine] Rütkov A, et al. **Acta Microbiol Bulg** 1986; 18:10–6 (Eng. Abstr.) **(Bul)**

[Purple membranes as a model system for research on photoreception processes. III. The bacteriorhodopsin photocycle and proton transport] Stoilov S, et al. **Eksp Med Morfol** 1987;26(1):56–60 (13 ref.) (Eng. Abstr.) **(Bul)**

[An attempt to create a factorial model of the epizootic process in sheep infected with S. abortus ovis] Vodas K, et al. **Vet Med Nauki** 1986;23(10):48–53 (Eng. Abstr.) **(Bul)**

[Statistical and mathematical considerations on AIDS] Jager JC, et al. **Ned Tijdschr Geneeskd** 1987 Mar 21;131(12):501–2 **(Dut)**

[Articular chondrocytes in culture: a study model for use in physiopathology and pharmacology] Adolphe M. **Bull Acad Natl Med (Paris)** 1986 Oct;170(7):967–72 (Eng. Abstr.) **(Fre)**

[The value of animal models in space physiology] Milhaud C. **Bull Acad Natl Med (Paris)** 1986 Mar;170(3–4):353–9 (Eng. Abstr.) **(Fre)**

[Does a pharmacological model of aging exist?] Christen Y. **Presse Med** 1986 Sep 25;15(31):1464–7 (16 ref.) (Eng. Abstr.) **(Fre)**

[Encapsulating peritonitis during continuous ambulatory peritoneal dialysis. A physiopathologic hypothesis] Verger C, et al. **Presse Med** 1986 Sep 6;15(28):1311–4 (Eng. Abstr.) **(Fre)**

[Physiologic compatibility of compartment models used in pharmacokinetics] Couet W. **Therapie** 1986 Nov–Dec; 41(6):461–5 (Eng. Abstr.) **(Fre)**

[Technical formalisms for the description of biological systems] Gerhard E, et al. **Biomed Tech (Berlin)** 1986 Jul–Aug;31(7–8):163–8 (Eng. Abstr.) **(Ger)**

[Estimation of radionuclides on the basis of radioecologic models] Müller H. **DTW** 1987 Jun 9;94(6):367–70 (Eng. Abstr.) **(Ger)**

[Validity of the arteriovenous oxygen difference as guidance for controlling the output of an artificial heart] Hecht J, et al. **Z Exp Chir Transplant Kunstliche Organe** 1987; 20(2):83–7 (Eng. Abstr.) **(Ger)**

[Simulation of a regulation mechanism in inserting an artificial heart, by which the left and right pumps require the same output volume] Hecht J, et al. **Z Exp Chir Transplant Kunstliche Organe** 1987;20(2):88–93 (Eng. Abstr.) **(Ger)**

[Vector analytic evaluation of clinico-gerontologic data] Beier W. **Z Gerontol** 1987 May–Jun;20(3):136–40 (Eng. Abstr.) **(Ger)**

[The periodontium from the biophysical viewpoint. An experimental and theoretical study using a finite-element program] Magnus S, et al. **Zahn Mund Kieferheilkd** 1986; 74(6):567–75 (Eng. Abstr.) **(Ger)**

[In vitro model for the study of the concentration kinetics of antibiotic combinations and their antibacterial activity] Patsch R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Nov;262(4):512–21 (Eng. Abstr.) **(Ger)**

[Modelling study on the dimensional development of the spinal ganglia] Mitolo V, et al. **Boll Soc Ital Biol Sper** 1987 Feb 28;63(2):111–7 (Eng. Abstr.) **(Ita)**

[Hypothesis of the pathology of mediation in surgery (1)] Marini F, et al. **Chir Ital** 1986 Dec;38(6):563–80 (Eng. Abstr.) **(Ita)**

[A photic evoked potential model expressed by second order systems with time lags] Nishida S, et al. **Iyodenshi To Seitai Kogaku** 1986 Dec;24(7):517–23 (Eng. Abstr.) **(Jpn)**

[A model study of velocity profiles during high frequency ventilation] Fuke N. **Masui** 1986 Oct;35(10):1513–20 (Eng. Abstr.) **(Jpn)**

[A computer information processing model in ophthalmology; its characteristics in unilateral cataract surgery with pseudophakos implantation] Ionescu T, et al. **Rev Chir [Oftalmol]** 1986 Jul–Sep;30(3):167–73 (Eng. Abstr.) **(Rum)**

[Principles for analyzing the kinetic curves of the antimicrobial effect in dynamic systems simulating the pharmacokinetic profiles of antibiotics] Firsov AA, et al. **Antibiot Med Biotekhnol** 1987 Feb;32(2):122–9 (Eng. Abstr.) **(Rus)**

[Degree of stability of metabolic chain with 1 feedback loop] Kholodenko BN. **Biofizika** 1987 May–Jun;32(3):424–8 (Eng. Abstr.) **(Rus)**

[The key role of fructose-2,6-bis-phosphate in the temporal organization of carbohydrate metabolism. An auto-oscillating mathematical model] Shevelev EL, et al. **Biofizika** 1987 May–Jun;32(3):429–33 (Eng. Abstr.) **(Rus)**

[Self-oscillations of biological microbodies] Zinin PV, et al. **Biofizika** 1987 Jan–Feb;32(1):185–91 (Eng. Abstr.) **(Rus)**

[Analysis of the effect of immunostimulants on the macrophages of mouse peritoneal exudates by using mathematical simulation and planning methods] Tumanian MA, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):330–2 (Eng. Abstr.) **(Rus)**

[Mathematical model of the effect of hemosorption on blood plasma lipoprotein metabolism] Iarova EB, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1986;9(2):110–1 **(Rus)**

[Mathematical model of the immunostimulation of tumor growth] Ageenko AI, et al. **Eksp Onkol** 1987;9(3):57–9 (Eng. Abstr.) **(Rus)**

[Model study of the structure of heat release when using interstitial hyperthermia on tumors] Gusev AN, et al. **Eksp Onkol** 1986;8(5):40–2 (Eng. Abstr.) **(Rus)**

[Mathematical modelling of the action of methotrexate on the kinetics of B-lymphocyte proliferation during the primary response] Loginov AV, et al. **Farmakol Toksikol** 1987 Mar–Apr;50(2):58–70 (Eng. Abstr.) **(Rus)**

[The method of statistical moments and the integral model-independent parameters of pharmacokinetics] Piotrovskii VK. **Farmakol Toksikol** 1986 Sep–Oct; 49(5):118–27 (74 ref.) **(Rus)**

[Modelling of the regulation of pupillary diameter] Ananin VF. **Fiziol Cheloveka** 1986 Jul–Aug;12(4):669–75 **(Rus)**

[A simplified heat exchange model] Polesskaia LM, et al. **Fiziol Cheloveka** 1986 Jul–Aug;12(4):615–20 **(Rus)**

[Mathematical model of the effect of mass transfer on heat exchange in the respiratory tract] Serikov VB, et al. **Fiziol Zh SSSR** 1986 Oct;72(10):1415–8 (Eng. Abstr.) **(Rus)**

[Mathematical model of the local hyperthermia of heterogeneous tumors] Sigal VL, et al. **Izv Akad Nauk SSSR [Biol]** 1986 Nov–Dec;(6):933–42 (Eng. Abstr.) **(Rus)**

[Mathematical modeling of the kinematics of a pilot's head while catapulting into an air stream] Kharchenko VI, et al. **Kosm Biol Aviakosm Med** 1987 Mar–Apr;21(2):73–8 (Eng. Abstr.) **(Rus)**

[Mathematical model of the otolith] Kondrachuk AV, et al. **Kosm Biol Aviakosm Med** 1986 Nov–Dec;20(6):66–70 (Eng. Abstr.) **(Rus)**

[Mathematical modeling of the kinematic reaction of the human body to impact accelerations] Obraztsov IF, et al. **Kosm Biol Aviakosm Med** 1986 Jul–Aug;20(4):37–41 (Eng. Abstr.) **(Rus)**

[Mathematical assessment of the level of protection of the population against malaria by seasonal chemoprophylaxis] Losev GI. **Med Parazitol (Mosk)** 1986 Jul–Aug;(4):21–5 (Eng. Abstr.) **(Rus)**

[Radionuclide evaluation of liver function in breast cancer based on mathematical modelling] Dzhalmukashev UK. **Med Radiol (Mosk)** 1987 Jun;32(6):9–12 (Eng. Abstr.) **(Rus)**

[Kinetic pattern of a model of a calcium channel with 2 conformational states] Kostiuk PG, et al. **Neirofiziologiia** 1986;18(5):705–7 (Eng. Abstr.) **(Rus)**

[Inability to establish a single equilibrium value for the angle of a joint and its relation to the hysteretic properties of muscle contraction] Kostiukov AI. **Neirofiziologiia** 1986; 18(5):699–701 (Eng. Abstr.) **(Rus)**

[Simulation modelling of cell systems in definitive and developing tissues] Gusev IuV, et al. **Ontogenez** 1986 Nov–Dec;17(6):565–77 (62 ref.) (Eng. Abstr.) **(Rus)**

[Computer modelling of gastrulation and neurulation in amphibian embryos based on mechanical tension fields] Lakirev AV, et al. **Ontogenez** 1986 Nov–Dec;17(6):636–47 (Eng. Abstr.) **(Rus)**

[Megakaryocytopoiesis studied in a mathematical model. 2. Regulation of cell differentiation following damage to part of the proliferating bone marrow pool by hydroxyurea] Selivanov VA, et al. **Ontogenez** 1986 Sep–Oct;17(5):541–4 (Eng. Abstr.) **(Rus)**

[Megakaryocytopoiesis studied in a mathematical model. 3. Regulation of cell differentiation in immune thrombocytopenia] Selivanov VA, et al. **Ontogenez** 1986 Sep–Oct;17(5):544–8 (Eng. Abstr.) **(Rus)**

[Megakaryocytopoiesis studied in a mathematical model. 4. Regulation of cell flow in a transit population] Selivanov VA, et al. **Ontogenez** 1986 Sep–Oct;17(5):549–52 (Eng. Abstr.) **(Rus)**

[Mathematical model of interphase cell death. Biophysical justification and generalization] Kosevich AM, et al. **Radiobiologiia** 1987 Jan–Feb;27(1):12–5 (Eng. Abstr.) **(Rus)**

[Prognosis of the course of acute odontogenic inflammatory diseases in children based on mathematical modeling] Solov'ev MM, et al. **Stomatologiia (Mosk)** 1987 Jan–Feb; 66(1):66–70 (Eng. Abstr.) **(Rus)**

[Erythrocyte hemolysis by detergents--a mathematical model and analysis of the concentration and kinetic curves] Kaler GV, et al. **Tsitologiia** 1986 Sep;28(9):954–63 (Eng. Abstr.) **(Rus)**

[Mathematical modelling of the intensity of metabolic processes under different environmental conditions] Gondzhilashvili IaI, et al. **Vestn Akad Med Nauk SSSR** 1987;(2):81–8 (Eng. Abstr.) **(Rus)**

[Methodology for the identification of mathematical models of biomedical objects] Lisenkov AN. **Vestn Akad Med Nauk SSSR** 1987;(3):83–91 (Eng. Abstr.) **(Rus)**

[Mathematical description of cardiac energy dynamics (the hemodynamic approach)] Nechaev VV. **Vestn Akad Med Nauk SSSR** 1987;(2):75–81 (Eng. Abstr.) **(Rus)**

[A model for assessing the effectiveness of the health resort treatment of rheumatoid arthritis patients] Knopf D. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Jul–Aug;(4):33–6 **(Rus)**

[Stochastic model of hemosorption] Kazakov IuI, et al. **Vopr Med Khim** 1987 May–Jun;33(3):112–5 **(Rus)**

[Functional information model of the normal immune status and in pathology] Lepekhin AV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):44–8 (Eng. Abstr.) **(Rus)**

[Modelling of the epidemic process of suppurative septic infections using a Pseudomonas aeruginosa bacteriophage] Zueva LP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Feb;(2):35–8 (Eng. Abstr.) **(Rus)**

[The use of models in cardiology (editorial)] de Micheli A. **Arch Inst Cardiol Mex** 1986 Nov–Dec;56(6):463–6 **(Spa)**

STANDARDS

Reliability of parameter estimates from models applied to respiratory impedance data. Lutchen KR, et al. **J Appl Physiol** 1987 Feb;62(2):403–13

MODELS, CARDIOVASCULAR

Haemodynamic stress in lateral saccular aneurysms. An experimental study. Steiger HJ, et al. **Acta Neurochir (Wien)** 1987;86(3–4):98–105

The equilibrium position of the mitral valve: an accurate model of mitral valve motion in humans. Binkley PF, et al. **Am J Cardiol** 1987 Jan 1;59(1):109–13

Time-dependent coronary blood flow distribution in left ventricular wall. Beyar R, et al. **Am J Physiol** 1987 Feb; 252(2 Pt 2):H417–33

Atrioventricular interactions: a theoretical simulation study. Beyar R, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):H653–65

Contractility-dependent curvilinearity of end-systolic pressure-volume relations. Burkhoff D, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):H1218–27

Dynamics of pure parasystole. Glass L, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):H841–7

Description of LV pressure-volume relations by time-varying elastance and source resistance. Little WC, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):H83–90

Beat-to-beat estimation of peripheral resistance and arterial compliance during pressure transients. Toorop GP, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):H1275–83

The dynamic twisting of the left ventricle: a computer study. Beyar R, et al. **Ann Biomed Eng** 1986;14(6):547–62

Relationship between chamber mechanical properties and mean pressure-mean flow diagram of the left ventricle. Negroni JA, et al. **Ann Biomed Eng** 1987;15(1):35–50

Parameter sensitivity analysis of a network model of systemic circulatory mechanics. Sato T, et al. **Ann Biomed Eng** 1974 Sep;2(3):289–306

A theoretical and experimental model of ventricular interdependence. Santamore WP, et al. **Basic Res Cardiol** 1986 Sep–Oct;81(5):529–38

A place for theoretical cardiology [letter] Schaefer J, et al. **Basic Res Cardiol** 1987 May–Jun;82(3):317–8

A comparison of five mechanical heart valves investigated in a pulse duplicator system with flexible vessels. Heiliger R, et al. **Biomed Tech (Berlin)** 1987 Jan–Feb;32(1–2):9–15

The effects of non-Newtonian viscoelasticity and wall elasticity on flow at a 90 degrees bifurcation. Ku DN, et al. **Biorheology** 1986;23(4):359–70

Flow in tubes and arteries--a comparison. Liepsch DW. **Biorheology** 1986;23(4):395–433

Effect of couple stresses on the unsteady convective diffusion in fluid flow through a channel. Rudraiah N, et al. **Biorheology** 1986;23(4):349–58

Whole mounted pressurized in vitro model for the study of cerebral arterial mechanics. Vinall PE, et al. **Blood Vessels** 1987;24(1–2):51–62

A physical model of the left diastolic coronary flow. Angeli B, et al. **Boll Soc Ital Biol Sper** 1987 Jan 31;63(1):53–9

Cardiac embryogenesis: a three-dimensional approach. Butler J, et al. **Can J Cardiol** 1987 Apr;3(3):111–7

Comparison of two methods of altering blood pressures for assessing neonatal cerebral blood flow autoregulation. Ong BY, et al. **Can J Physiol Pharmacol** 1986 Jul;64(7):1023–6

Augmentation of cardiac output and carotid blood flow by chest and abdomen phased compression cardiopulmonary resuscitation. Kimmel E, et al. **Cardiovasc Res** 1986 Aug; 20(8):574–80

A transmission line model of the normal aorta and its branches. McIlroy MB, et al. **Cardiovasc Res** 1986 Aug; 20(8):581–7

Possible pathophysiology of torsade de pointes evaluated by a realistic heart computer model. Malik M, et al. **Cardiovasc Res** 1986 Jun;20(6):436–43

Modification of the Gorlin equation for use with heart valve substitutes. Tindale WB, et al. **Cardiovasc Res** 1986 Jun; 20(6):458–65

Characterization of capacitance-free pressure-flow relations during single diastoles in dogs using an RC model with pressure-dependent parameters. Canty JM Jr, et al. **Circ Res** 1987 Feb;60(2):273–82

Propagating depolarization in anisotropic human and canine cardiac muscle: apparent directional differences in membrane capacitance. A simplified model for selective directional effects of modifying the sodium conductance on Vmax, tau foot, and the propagation safety factor. Spach MS, et al. **Circ Res** 1987 Feb;60(2):206–19

Left ventricular internal resistance and unloaded ejection flow assessed from pressure-flow relations: a flow-clamp study on isolated rabbit hearts. Vaartjes SR, et al. **Circ Res** 1987 May;60(5):727–37

A computer model of hemorrhagic shock in domestic swine. Berman J, et al. **Circ Shock** 1987;21(2):85–96

Phase-plane analysis of left ventricular chamber filling and midwall fiber lengthening in patients with left ventricular hypertrophy. Shimizu G, et al. **Circulation** 1987 Jan;75(1 Pt 2):I34–9

The mitral valve mechanism with normal and prolapsed leaflets in the light of a dynamic model. Bryhn M, et al. **Clin Cardiol** 1986 Oct;9(10):483–6

Hemodynamics in congenital heart disease. Peskin CS, et al. **Comput Biol Med** 1986;16(5):331–59

Total systemic arterial compliance and aortic characteristic impedance in the dog as a function of pressure: a model based study. Burattini R, et al. **Comput Biomed Res** 1987 Apr;20(2):154–65

Oxygen transport: an analysis of short-term blood flow autoregulation. Gaar KA Jr. **Comput Biomed Res** 1987 Jun; 20(3):214–24

A new stroke volume equation for thoracic electrical bioimpedance: theory and rationale. Bernstein DP. **Crit Care Med** 1986 Oct;14(10):904–9

Effect of compliance and diameter on stress at arterial anastomoses. Teodori MF, et al. **Curr Surg** 1986 Nov–Dec; 43(6):505–8

A simple model for demonstration of STT-changes in ECG. Wohlfart B. **Eur Heart J** 1987 Apr;8(4):409–16

The relationship between retinal vessel tortuosity, diameter, and transmural pressure. Kylstra JA, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(5):477–80

Principle of a noninvasive method of measuring Max(dP/dt) of the left ventricle: theory and experiments. Harada Y, et al. **Heart Vessels** 1987;3(1):25–32

A theoretical study of arterial disease by transfer function analysis. Belardinelli E, et al. **IEEE Trans Biomed Eng** 1987 Mar;34(3):199–211

On the possibility of directly relating the pattern of ventricular surface activation to the pattern of body surface potential distribution. Horan LG, et al. **IEEE Trans Biomed Eng** 1987 Feb;34(2):173–9

Computer simulation of the Wolff-Parkinson-White preexcitation syndrome with a modified Miller-Geselowitz heart model. Lorange M, et al. **IEEE Trans Biomed Eng** 1986 Sep;33(9):862–73

A one-dimensional model of atrioventricular nodal conduction. Malik M, et al. **Int J Biomed Comput** 1987 Jul;21(1):13–32

Tissue perfusion during normovolemic hemodilution investigated by a hydraulic model of the cardiovascular system. Mirhashemi S, et al. **Int J Microcirc Clin Exp** 1987; 6(2):123–36

Hemodynamic evaluation of arterial stenoses by computer simulation. Kandarpa K, et al. **Invest Radiol** 1987 May; 22(5):393–403

When should Doppler-determined valve area be better than the Gorlin formula?: Variation in hydraulic constants in low flow states. Segal J, et al. **J Am Coll Cardiol** 1987 Jun;9(6):1294–305

An in vitro capillary system for studies on microcirculatory O2 transport. Boland EJ, et al. **J Appl Physiol** 1987 Feb; 62(2):791–7
The Astrand-Ryhming nomogram revisited. Legge BJ, et al. **J Appl Physiol** 1986 Sep;61(3):1203–9
Physiological factors affecting O2 transport by hemoglobin in an in vitro capillary system. Lemon DD, et al. **J Appl Physiol** 1987 Feb;62(2):798–806
Zone 2 and zone 3 pulmonary blood flow. Soohoo SL, et al. **J Appl Physiol** 1987 May;62(5):1982–8
Fluid shear as a possible mechanism for platelet diffusivity in flowing blood. Aarts PA, et al. **J Biomech** 1986; 19(10):799–805
The hemodynamic and embolizing forces acting on thrombi—II. The effect of pulsatile blood flow. Basmadjian D. **J Biomech** 1986;19(10):837–45
The first heart sound during the isovolumetric contraction. Gitterman M, et al. **J Biomech** 1987;20(1):35–49
Three-dimensional visualization of axial velocity profiles downstream of six different mechanical aortic valve prostheses, measured with a hot-film anemometer in a steady state flow model. Hasenkam JM, et al. **J Biomech** 1987;20(4):353–64
Laser Doppler anemometer measurements of pulsatile flow in a model carotid bifurcation. Ku DN, et al. **J Biomech** 1987;20(4):407–21
Flow in arteries in the presence of stenosis. Misra JC, et al. **J Biomech** 1986;19(11):907–18
A model of multicomponent cardiac fibre. Montevecchi FM, et al. **J Biomech** 1987;20(4):365–70
A numerical and experimental analysis of the flow field in a two-dimensional model of the human carotid artery bifurcation. Rindt CC, et al. **J Biomech** 1987;20(5):499–509
Analysis of blood flow through a model of the human arterial system under periodic body acceleration. Sud VK, et al. **J Biomech** 1986;19(11):929–41
Quantification of the mechanical properties of noncontracting canine myocardium under simultaneous biaxial loading. Yin FC, et al. **J Biomech** 1987;20(6):577–89
Adaptive thermal modeling: a concept for measurement of local blood perfusion in heated tissues. Arkin H, et al. **J Biomech Eng** 1986 Nov;108(4):306–11
Flow resistance in curved femoral artery flow models of man for steady flow. Back LH, et al. **J Biomech Eng** 1987 Feb; 109(1):90–3
Fluid particle motion and Lagrangian velocities for pulsatile flow through a femoral artery branch model. Back MR, et al. **J Biomech Eng** 1987 Feb;109(1):94–101
Heat transport mechanisms in vascular tissues: a model comparison. Baish JW, et al. **J Biomech Eng** 1986 Nov; 108(4):324–31
An investigation of particle flow through capillary models with the resistive pulse technique. Frank RS, et al. **J Biomech Eng** 1987 May;109(2):103–9
Design of a new pulse duplicator system for prosthetic heart valves. Kitamura T, et al. **J Biomech Eng** 1987 Feb; 109(1):43–7
A theoretical model for peripheral tissue heat transfer using the biobeat equation of Weinbaum and Jiji. Song WJ, et al. **J Biomech Eng** 1987 Feb;109(1):72–8
Simple physical model of coronary vasodilation. Gattullo D, et al. **J Biomed Eng** 1987 Apr;9(2):148–52
Physical modelling of the arterial wall. Part 1: Testing of tubes of various materials. Papageorgiou GL, et al. **J Biomed Eng** 1987 Apr;9(2):153–6
Physical modelling of the arterial wall. Part 2: Simulation of the non-linear elasticity of the arterial wall. Papageorgiou GL, et al. **J Biomed Eng** 1987 Jul;9(3):216–21
Model of the haemodynamic reactions to intermittent coronary sinus occlusion. Schreiner W, et al. **J Biomed Eng** 1987 Apr;9(2):141–7
Effect of vascular activity in the determination of rate constants for the uptake of 18F-labeled 2-fluoro-2-deoxy-D-glucose: error analysis and normal values in older subjects. Evans AC, et al. **J Cereb Blood Flow Metab** 1986 Dec;6(6):724–38
Pressure distribution in the pial arterial system of rats based on morphometric data and mathematical models. Hudetz AG, et al. **J Cereb Blood Flow Metab** 1987 Jun;7(3):342–55
Tracer-kinetic models for measuring cerebral blood flow using externally detected radiotracers. Larson KB, et al. **J Cereb Blood Flow Metab** 1987 Aug;7(4):443–63
Tracer disposition kinetics in the determination of local cerebral blood flow by a venous equilibrium model, tube model, and distributed model. Sawada Y, et al. **J Cereb Blood Flow Metab** 1987 Aug;7(4):433–42
The analysis of blood velocity measurements by autoregressive modelling. Kitney RI, et al. **J Theor Biol** 1986 Jun 21;120(4):419–42
Simulated hemodynamic comparison of arteriovenous fistulas. van Gemert MJ, et al. **J Vasc Surg** 1987 Jul; 6(1):39–44
3-dimensional computer simulation of depolarization and repolarization processes in the myocardium. Aoki M, et al. **Jpn Heart J** 1986 Nov;27 Suppl 1:225–34
Simulation of T wave based on cardiac model of electrical activity: effects of anisotropy of myocardium and inhomogeneity of ventricular gradient on QRS-T angle. Inoue M, et al. **Jpn Heart J** 1986 Nov;27 Suppl 1:255–66
Modulation of repolarization by electrotonic interactions. Joyner RW. **Jpn Heart J** 1986 Nov;27 Suppl 1:167–83
Reconstruction of transport currents during repolarization: biochemical basis. Kootsey JM, et al. **Jpn Heart J** 1986 Nov;27 Suppl 1:109–26
On a heart-torso model to be used for electrocardiographic forward and inverse solution. Okajima M, et al. **Jpn Heart J** 1986 Nov;27 Suppl 1:273–9
Reconstruction of electrocardiogram using ionic current models for heart muscles. Yamanaka A, et al. **Jpn Heart J** 1986 Nov;27 Suppl 1:185–93
Interpretation of venous occlusion plethysmography using a nonlinear model. Anderson FA Jr, et al. **Med Biol Eng Comput** 1986 Jul;24(4):379–85
Self-excited oscillations in thin-walled collapsible tubes. Barclay WH, et al. **Med Biol Eng Comput** 1986 Sep; 24(5):482–7
Simulation of cardiac arrhythmia haemodynamics with a real-time computer model. Larnard DJ. **Med Biol Eng Comput** 1986 Sep;24(5):465–70
Conductivity and geometrical factors affecting volume measurements with an impedancimetric catheter. Spinelli JC, et al. **Med Biol Eng Comput** 1986 Sep;24(5):460–4
A theoretical analysis of the effect of the particulate nature of blood on oxygen release in capillaries. Federspiel WJ, et al. **Microvasc Res** 1986 Sep;32(2):164–89
Dependence of permeability on solute concentration: effects due to membrane heteroporosity. Groome LJ, et al. **Microvasc Res** 1986 Sep;32(2):248–54
Role of the altered transmural permeability in the pathomechanism of arteriosclerosis. History of arteriosclerosis theories. Role of the altered permeability in experimental arteriosclerosis models. Jellinek H, et al. **Pathol Res Pract** 1986 Dec;181(6):693–712 (174 ref.)
Harvey: the impact of a cardiovascular teaching simulator on student skill acquisition. Woolliscroft JO, et al. **Proc Annu Conf Res Med Educ** 1986;25:20–5
Hemodynamic mechanisms in CPR: a theoretical rationale for resuscitative thoracotomy in non-traumatic cardiac arrest. Babbs CF. **Resuscitation** 1987 Mar;15(1):37–50
Theoretical effects of fluid infusions during cardiopulmonary resuscitation as demonstrated in a computer model of the circulation. Tomaszewski CA, et al. **Resuscitation** 1987 Jun; 15(2):97–112
First-pass radionuclide ventriculography in conscious dogs. Ahonen E, et al. **Scand J Clin Lab Invest** 1987 Feb; 47(1):75–81
Analysis of inhalation rCBF data. Sullivan HG, et al. **Stroke** 1987 Mar-Apr;18(2):495–502
Prediction of deformation in the potassium-arrested canine left ventricle using the finite element model. Nakamura T, et al. **Tokai J Exp Clin Med** 1986 Aug;11(3):219–28
Signal-to-clutter ratio in pseudo random Doppler flowmeter. Cathignol DJ. **Ultrason Imaging** 1986 Oct;8(4):272–84
[Model trials of flow relations in heart aneurysm] Brandt A, et al. **Biomed Tech (Berlin)** 1987 Mar;32(3):46–50 (Eng. Abstr.) **(Ger)**
[Stationary and pulsating flow in an artificial model of arterial stenosis] Tsangaris S, et al. **Biomed Tech (Berlin)** 1987 Jan-Feb;32(1–2):2–8 (Eng. Abstr.) **(Ger)**
[Simulation of electrocardiograms with an analog heart-thorax model] Wach P, et al. **Biomed Tech (Berlin)** 1986 Nov;31(11):255–60 (Eng. Abstr.) **(Ger)**
[Evaluation of the volume and ejection fraction of the right ventricle by a theory of measurement applied to thermodilution] Bonandi L, et al. **Cardiologia** 1986 Aug; 31(8):571–8 (Eng. Abstr.) **(Ita)**
[Analysis of the kinetics of recovery of the isolated heart after ischemic anoxia] Giuliani A, et al. **Cardiologia** 1986 Jul;31(7):515–6 (Eng. Abstr.) **(Ita)**
[Effect of taurine amide derivatives on post-ischemic myocardial recovery in the working heart model in the rat] Pacifici L, et al. **Cardiologia** 1986 Jul;31(7):501–3 (Eng. Abstr.) **(Ita)**
[On the relations between the excitation fronts propagating in the heart and the equivalent dipoles] Okamoto Y, et al. **Iyodenshi To Seitai Kogaku** 1986 Dec;24(7):470–5 (Eng. Abstr.) **(Jpn)**
[Electrical circuit model of cerebral circulation] Takemae T, et al. **Iyodenshi To Seitai Kogaku** 1986 Sep;24(5):327–9 (Eng. Abstr.) **(Jpn)**
[A multivariate autoregressive model of R-R intervals and blood pressure time series] Watanabe Y, et al. **Iyodenshi To Seitai Kogaku** 1986 Dec;24(7):511–6 (Eng. Abstr.) **(Jpn)**
[Evaluation of factor analysis using cardiac phantoms and mathematical models] Nakajima K, et al. **Kaku Igaku** 1986 Oct;23(10):1423–34 (Eng. Abstr.) **(Jpn)**
[Measurement of the right ventricular ejection fraction by a rapid response thermistor catheter; evaluation using a circulatory model] Kato K, et al. **Masui** 1986 Dec; 35(12):1778–83 (Eng. Abstr.) **(Jpn)**
[Vasoconstriction in the light of the laws determining the flow of fluids and the physical properties of vascular walls] Mrówka R. **Pol Tyg Lek** 1986 Sep 22;41(38):1218–9 (Eng. Abstr.) **(Pol)**
[Theoretical basis for the method of calculating blood-flow volume velocity from hydrogen clearance curves] Kisliakov IuIa, et al. **Fiziol Zh SSSR** 1986 Nov; 72(11):1509–14 (Eng. Abstr.) **(Rus)**
[Consistent component of spatial unevenness of capillary blood flow in a micromodule of skeletal muscle] Levtov VA, et al. **Fiziol Zh SSSR** 1986 Sep;72(9):1301–9 (Eng. Abstr.) **(Rus)**
[Variant of quantitative evaluation of the mechanisms of orthostatic response of central hemodynamics] Titunin PA, et al. **Kosm Biol Aviakosm Med** 1987 Mar-Apr;21(2):48–52 (Eng. Abstr.) **(Rus)**
[Modelling the spread of excitation in the functioning myocardial ventricle] Ruttkay-Nedecký I, et al. **Bratisl Lek Listy** 1986 Aug;86(2):132–41 (Eng. Abstr.) **(Slo)**
[An alternative theory on the pump action of the heart and the function of an artificial heart pump] Linnarsson D. **Lakartidningen** 1987 May 6;84(19):1664–5, 1668 **(Swe)**

MODELS, CHEMICAL

An experimental model for kinetic preformulation studies on oxidation sensitive substances. Fyhr P, et al. **Acta Pharm Suec** 1987;24(1):15–26
Adaptive dynamic networks as models for the immune system and autocatalytic sets. Farmer JD, et al. **Ann NY Acad Sci** 1987;504:118–31
Ionization of clusters. III. Evaluation of interaction parameters from binding data. Saroff HA. **Arch Biochem Biophys** 1987 Jul;256(1):110–30
Biomimetic oxidation of lignin model compounds by simple inorganic complexes. Huynh VB. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1104–10
The exponential model for a regulatory enzyme. An interpretation of the linear free-energy relationship. Ainsworth S. **Biochem J** 1986 Dec 15;240(3):811–5
A suitable parameterization of the Michaelis-Menten enzyme reaction. Ratkowsky DA. **Biochem J** 1986 Dec 1; 240(2):357–60
Computer simulations of the kinetics of irreversible enzyme inhibition by an unstable inhibitor. Topham CM. **Biochem J** 1986 Dec 15;240(3):817–20
A model system for delocalized chemiosmotic coupling exhibited the features thought diagnostic of localized coupling [letter] Westerhoff HV, et al. **Biochem J** 1986 Jun 15;236(3):932–3
Modelling the reaction mechanism of the reticulocyte lipoxygenase. Ludwig P, et al. **Biomed Biochim Acta** 1987; 46(2–3):S241–4
Validity of transfer-function representation of input-output relation in allosteric models. Sakamoto N, et al. **Biosystems** 1986;19(4):317–26
Regulation of adenylate cyclase by hormones and G-proteins. Levitzki A. **FEBS Lett** 1987 Jan 26; 211(2):113–8
Analysis of ping-pong reaction mechanisms by positional isotope exchange. Application to galactose-1-phosphate uridyltransferase. Hester LS, et al. **J Biol Chem** 1987 Sep 5;262(25):12092–5
An expanded two-state allosteric model for interactions of human hemoglobin A with nonsaturating concentrations of 2,3-diphosphoglycerate. Kister J, et al. **J Biol Chem** 1987 Sep 5;262(25):12085–91
The influence of uncoordinated histidines on iron release from transferrin. A chemical modification study. Thompson CP, et al. **J Biol Chem** 1986 Oct 5;261(28):13128–34
Simple model for the effect of Glu165——Asp165 mutation on the rate of catalysis in triose phosphate isomerase. Alagona G, et al. **J Mol Biol** 1986 Sep 5;191(1):23–7
A model for the prediction of osmolalities of modular formulas. Anderson K, et al. **JPEN J Parenter Enteral Nutr** 1986 Nov-Dec;10(6):646–9
Modelling of C1, the first component of human complement: towards a consensus? [letter] Arlaud GJ, et al. **Mol Immunol** 1987 Mar;24(3):317
The modelling of electrostatic interactions in the function of globular proteins. Rogers NK. **Prog Biophys Mol Biol** 1986;48(1):37–66 (224 ref.)
Synthesis of new peptides based on models of receptor-bound conformation. Freidinger RM, et al. **Psychopharmacol Ser** 1987;3:12–9
Model studies in molecular recognition. Rebek J Jr. **Science** 1987 Mar 20;235(4795):1478–84
Effect of elastic bend distortions on electron diffraction data from thin protein microcrystals. Dorset DL. **Ultramicroscopy** 1986;19(4):311–5
[Model of the trapping of oxygen radicals: trapping of t-butoxy radicals by cd olefins] Gorissen-Hervens F, et al. **Arch Int Physiol Biochim** 1986 Dec;94(5):S7–12 **(Fre)**
[Processing the results of biochemical studies using programmable calculators] Pekkel' VA. **Lab Delo** 1987; (5):344–54 (Eng. Abstr.) **(Rus)**
[Modelling of the abiogenic formation of deoxy sugars based on the acid rearrangement of carbohydrates] Gakhokidze RA. **Zh Evol Biokhim Fiziol** 1987 Mar-Apr;23(2):169–73 **(Rus)**
[Design of new antineoplastic drugs] Smeyers YG. **Rev Esp Oncol** 1985;32(2):227–36 (Eng. Abstr.) **(Spa)**

MODELS, COMPUTER see **COMPUTER SIMULATION**

MODELS, GENETIC

The segregation-linkage analysis of genetically determined characters. Rozanski BS, et al. **Acta Anthropogenet** 1985; 9(1–3):77–80
Methodological problems in evolutionary biology. VIII. Biology and culture. Voorzanger B. **Acta Biotheor (Leiden)** 1987;36(1):23–34

The mammalian genetic stress response. Herrlich P, et al. **Adv Enzyme Regul** 1986;25:485–504
Multivariate analysis of lipoprotein cholesterol fractions. Vogler GP, et al. **Am J Epidemiol** 1987 Apr;125(4):706–19
No fallacies in the formulation of the paternity index. Baur MP, et al. **Am J Hum Genet** 1986 Oct;39(4):528–36
Genetic analysis of juvenile periodontitis in families ascertained through an affected proband. Beaty TH, et al. **Am J Hum Genet** 1987 May;40(5):443–52
Formulas for mean restriction–fragment lengths and related quantities. Biggins JD, et al. **Am J Hum Genet** 1987 Aug; 41(2):258–65
Estimating the power of a proposed linkage study: a practical computer simulation approach. Boehnke M. **Am J Hum Genet** 1986 Oct;39(4):513–27
Segregation analysis of low levels of high–density lipoprotein cholesterol in the collaborative Lipid Research Clinics Program Family Study. Bucher KD, et al. **Am J Hum Genet** 1987 Jun;40(6):489–502
Multipoint gene mapping using seriation. I. General methods. Buetow KH, et al. **Am J Hum Genet** 1987 Aug;41(2):180–8
Multipoint gene mapping using seriation. II. Analysis of simulated and empirical data. Buetow KH, et al. **Am J Hum Genet** 1987 Aug;41(2):189–201
A general multivariate approach to linear modeling in human genetics. Carey G. **Am J Hum Genet** 1986 Dec;39(6):775–86
Down syndrome and maternal age: the effect of erroneous assignment of parental origin. Carothers AD. **Am J Hum Genet** 1987 Feb;40(2):147–50
The effect of proband designation on segregation analysis. Greenberg DA. **Am J Hum Genet** 1986 Sep;39(3):329–39
Genetic and environmental influences on human birth weight. Little RE, et al. **Am J Hum Genet** 1987 Jun;40(6):512–26
Marital mores as a mechanism for the maintenance of ethnic variations of lethal gene frequencies. McCormick DB, et al. **Am J Hum Genet** 1986 Oct;39(4):477–88
On two tests of fit for HLA data with no double blanks. Nam JM, et al. **Am J Hum Genet** 1987 Jul;41(1):70–6
The use of map functions in multipoint mapping. Pascoe L, et al. **Am J Hum Genet** 1987 Feb;40(2):174–83
Analysis of genetic interrelationship among HLA–associated diseases. Payami H, et al. **Am J Hum Genet** 1987 Sep; 41(3):331–49
Complex segregation analysis of febrile convulsions. Rich SS, et al. **Am J Hum Genet** 1987 Aug;41(2):249–57
Spontaneous mutation and parental age in humans. Risch N, et al. **Am J Hum Genet** 1987 Aug;41(2):218–48
Assessing the role of HLA–linked and unlinked determinants of disease. Risch N. **Am J Hum Genet** 1987 Jan;40(1):1–14
A deductive method of haplotype analysis in pedigrees. Wijsman EM. **Am J Hum Genet** 1987 Sep;41(3):356–73
Autosomal suppressor gene for fragile–X: an hypothesis. Israel MH. **Am J Med Genet** 1987 Jan;26(1):19–31
The bingo model of survivorship. III. Genetic principles. Murphy EA, et al. **Am J Med Genet** 1987 Mar;26(3):667–81
Genetic ascertainment with heterogeneous risk. Murphy EA, et al. **Am J Med Genet** 1987 Jul;27(3):669–82
A new genetic model for the fragile X syndrome involving an autosomal suppressor gene—comments on the paper by M.H. Israel. Sherman SL. **Am J Med Genet** 1987 Jan; 26(1):33–6
Convergence of genetic distances in a migration matrix model. Wood JW. **Am J Phys Anthropol** 1986 Oct; 71(2):209–19
Gene conversion. A mechanism to explain HLA–D region and disease association. Fathman CG, et al. **Ann NY Acad Sci** 1986;475:24–31
Genetic and functional analysis of the otosclerosis–like condition of the LP/J mouse. Henry KR, et al. **Audiology** 1987;26(1):44–55
The genetic analysis of repeated measures. I. Simplex models. Boomsma DI, et al. **Behav Genet** 1987 Mar;17(2):111–23
Bacteriophage lambda as a model system. Campbell AM. **Bioessays** 1986 Dec;5(6):277–80
Evolution: no old synthesis and no new paradigm [letter] Dover G. **Bioessays** 1987 Apr;6(4):187–8
Developmental logic and its evolution. Kauffman SA. **Bioessays** 1987 Feb;6(2):82–7
Optimization by stimulating molecular evolution. Wang QH. **Biol Cybern** 1987;57(1–2):95–101
Asynchronous distance between homologous DNA sequences. Barry D, et al. **Biometrics** 1987 Jun;43(2):261–76
Regressive logistic models for familial disease and other binary traits. Bonney GE. **Biometrics** 1986 Sep;42(3):611–25
Log–linear models for linked loci. Weir BS, et al. **Biometrics** 1986 Sep;42(3):665–70
Maximum likelihood techniques for the mapping and analysis of quantitative trait loci with the aid of genetic markers. Weller JI. **Biometrics** 1986 Sep;42(3):627–40
A computer model of evolutionary optimization. Fontana W, et al. **Biophys Chem** 1987 May 9;26(2–3):123–47
Chemical selection, diversity, teleonomy and the second law of thermodynamics. Reflections on Eigen's theory of self–organization of matter. Lifson S. **Biophys Chem** 1987 May 9;26(2–3):303–11
Simulation of double–stranded branch point migration. Robinson BH, et al. **Biophys J** 1987 Apr;51(4):611–26
Can the double helix be parallel? Pattabiraman N. **Biopolymers** 1986 Sep;25(9):1603–6
On the primacy of primordial RNA. Cedergren R, et al. **Biosystems** 1987;20(2):175–80
Primordial reading of genetic information. Cedergren R, et al. **Biosystems** 1986;19(4):259–66
Proteins, exons and molecular evolution. Holland SK, et al. **Biosystems** 1987;20(2):181–206
Distal–proximal approaches to aggression: a rejoinder to Campbell, Muncer & Bibel. Rushton JP. **Br J Soc Psychol** 1987 Jun;26 (Pt 2):185–6
Locally optimal subalignments using nonlinear similarity functions. Altschul SF, et al. **Bull Math Biol** 1986; 48(5–6):633–60
A nonlinear measure of subalignment similarity and its significance levels. Altschul SF, et al. **Bull Math Biol** 1986; 48(5–6):617–32
Optimal sequence alignment using affine gap costs. Altschul SF, et al. **Bull Math Biol** 1986;48(5–6):603–16
On reliability analysis of DNA repair systems. Joshi RR. **Bull Math Biol** 1987;49(2):187–216
The expected probabilities of identity for the circular stepping–stone model. Strobeck C. **Can J Genet Cytol** 1986 Dec;28(6):1048–50
Cytogenetics of Mendelian mutations associated with cancer proneness. Dallapiccola B. **Cancer Genet Cytogenet** 1987 May;26(1):85–94
Synthesis of bacteriophage phi X174 in vitro: mechanism of switch from DNA replication to DNA packaging. Aoyama A, et al. **Cell** 1986 Oct 10;47(1):99–106
Distinguishing between mechanisms of eukaryotic transcriptional activation with bacteriophage T7 RNA polymerase. Chen W, et al. **Cell** 1987 Sep 25;50(7):1047–55
Longitudinal stability of cognitive ability from infancy to early childhood: genetic and environmental etiologies. LaBuda MC, et al. **Child Dev** 1986 Oct;57(5):1142–50
Unusual pedigree patterns in seven families with spinal muscular atrophy; further evidence for the allelic model hypothesis. Bouwsma G, et al. **Clin Genet** 1986 Sep; 30(3):145–9
Genetic modelling in schizophrenia according to HLA typing. Smeraldi E, et al. **Clin Genet** 1986 Sep;30(3):157–66
Becker's allelic model to explain unusual pedigrees with spinal muscular atrophy [letter] Zerres K, et al. **Clin Genet** 1987 Apr;31(4):276–7
The primate alpha–globin gene family: a paradigm of the fluid genome. Marks J, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:499–508
Statistical decision rules concerning synteny or independence between markers. Chevalet C, et al. **Cytogenet Cell Genet** 1986;43(3–4):132–9
A comment on "A method to measure the duration of DNA synthesis and the potential doubling time from a single sample". White RA, et al. **Cytometry** 1986 Sep;7(5):486–90
Characterization of chromatin distribution in cell nuclei. Young IT, et al. **Cytometry** 1986 Sep;7(5):467–74
Genetic programming of development: a model. Bailey DW. **Differentiation** 1986;33(2):89–100
Correlation between molecular clock ticking, codon usage fidelity of DNA repair, chromosome banding and chromatin compactness in germline cells. Filipski J. **FEBS Lett** 1987 Jun 15;217(2):184–6
Genetic analysis workshop IV: insulin dependent diabetes mellitus—summary. Baur MP. **Genet Epidemiol** 1986;Suppl 1:299–312
Robust inference for variance components models in families ascertained through probands: I. Conditioning on proband's phenotype. Beaty TH, et al. **Genet Epidemiol** 1987; 4(3):203–10
Robust inference for variance components models in families ascertained through probands: II. Analysis of spirometric measures. Beaty TH, et al. **Genet Epidemiol** 1987; 4(3):211–21
A note on the basis of regressive models for genetic analysis. Bonney GE. **Genet Epidemiol** 1986;Suppl 1:37–42
Segregation and linkage analysis of breast cancer in the Dutch and Utah families. Cannon LA, et al. **Genet Epidemiol** 1986;Suppl 1:43–8
Discrimination between genetic models for insulin dependent diabetes mellitus. Clerget–Darpoux F, et al. **Genet Epidemiol** 1986;Suppl 1:313–8
Segregation analysis of the Jacobsen data. Demenais F, et al. **Genet Epidemiol** 1986;Suppl 1:49–54
Critique of a published analysis of the Jacobsen data. Elston RC, et al. **Genet Epidemiol** 1986;Suppl 1:55–9
A nonparametric test of heterogeneity of family risk. Fain PR, et al. **Genet Epidemiol** 1986;Suppl 1:61–6
Testing the association between polymorphic markers and quantitative traits in pedigrees. George VT, et al. **Genet Epidemiol** 1987;4(3):193–201
Testing the simple 3–allele model of inheritance of IDDM at the HLA–associated locus. Greenberg DA. **Genet Epidemiol** 1986;Suppl 1:329–34
A log–linear model for binary pedigree data. Hopper JL, et al. **Genet Epidemiol** 1986;Suppl 1:73–82
Multiple regression analysis of twin data obtained from selected samples. LaBuda MC, et al. **Genet Epidemiol** 1986; 3(6):425–33
Estimation of segregation and ascertainment probabilities by discarding the single probands. Li CC, et al. **Genet Epidemiol** 1987;4(3):185–91
A synergistic three allele model for the HLA–linked components of coeliac disease predisposition. Louis EJ, et al. **Genet Epidemiol** 1986;Suppl 1:277–82
Family analysis for IDDM—HLA. Comparison of the two–allele model versus the three–allele model. Neugebauer M, et al. **Genet Epidemiol** 1986;Suppl 1:335–40
HLA haplotype sharing and proband genotype in IDDM. Rotter JI, et al. **Genet Epidemiol** 1986;Suppl 1:347–52
Differential HLA haplotype sharing conditional on proband genotype is likely a necessary consequence of all three allele heterogeneity models: a rebuttal. Rotter JI, et al. **Genet Epidemiol** 1986;Suppl 1:359–62
Combined segregation and linkage analysis of multiple sclerosis. Sherman SL, et al. **Genet Epidemiol** 1986;Suppl 1:393–8
Combined segregation and linkage analysis of coeliac disease. Sherman SL, et al. **Genet Epidemiol** 1986;Suppl 1:283–8
Social selection in human populations: protected polymorphism of deleterious alleles with incomplete penetrance. Yokoyama S. **Genet Epidemiol** 1987;4(3):223–31
Adaptive landscapes, genetic distance and the evolution of quantitative characters. Barton NH, et al. **Genet Res** 1987 Apr;49(2):157–73
Genetic divergence between transposable elements. Charlesworth B. **Genet Res** 1986 Oct;48(2):111–8
The detection of deleterious selection using ancestors inferred from a phylogenetic history. Golding GB. **Genet Res** 1987 Feb;49(1):71–82
Models of long term artificial selection in finite population. Hill WG, et al. **Genet Res** 1986 Aug;48(1):41–50
Models of long–term artificial selection in finite population with recurrent mutation. Hill WG, et al. **Genet Res** 1986 Oct;48(2):125–31
Changes in genetic parameters under restricted index selection. Mortimer SI, et al. **Genet Res** 1987 Apr; 49(2):129–34
Actual number of alleles contained in a multigene family. Ohta T. **Genet Res** 1986 Oct;48(2):119–23
Accumulation of mutations in sexual and asexual populations. Pamilo P, et al. **Genet Res** 1987 Apr;49(2):135–46
The general relationship between average effect and average excess. Templeton AR. **Genet Res** 1987 Feb;49(1):69–70
Evolution of genetic variability in a spatially heterogeneous environment: effects of genotype–environment interaction. Via S, et al. **Genet Res** 1987 Apr;49(2):147–56
Definition and properties of disequilibrium statistics for associations between nuclear and cytoplasmic genotypes. Asmussen MA, et al. **Genetics** 1987 Apr;115(4):755–68
Evolution of selective neutrality: further considerations [letter] Burton RS, et al. **Genetics** 1986 Nov;114(3):1033–9
Natural selection and Y–linked polymorphism. Clark AG. **Genetics** 1987 Mar;115(3):569–77
Modifications in estimating the number of genes for a quantitative character. Cockerham CC. **Genetics** 1986 Oct; 114(2):659–64
Multiplicative genotype–environment interaction as a cause of reversed response to directional selection. Gimelfarb A. **Genetics** 1986 Sep;114(1):333–43
A test of neutral molecular evolution based on nucleotide data. Hudson RR, et al. **Genetics** 1987 May;116(1):153–9
Use of the multinomial Dirichlet model for analysis of subdivided genetic populations. Jiang CJ, et al. **Genetics** 1987 Feb;115(2):363–6
Disequilibrium pattern analysis. II. Application to Danish HLA A and B locus data. Klitz W, et al. **Genetics** 1987 Aug;116(4):633–43
Gene conversion disparity: factors influencing its direction and extent, with tests of assumptions and predictions in its evolutionary effects. Lamb BC. **Genetics** 1986 Oct; 114(2):611–32
A quantitative model for nonrandom generalized transduction, applied to the phage P22–Salmonella typhimurium system. Mandecki W, et al. **Genetics** 1986 Oct; 114(2):633–57
What can be learnt about selection from gene frequency distribution? Mani GS, et al. **Genetics** 1986 Nov; 114(3):971–82
Evolution under fertility and viability selection. Nagylaki T. **Genetics** 1987 Feb;115(2):367–75
Simulating evolution by gene duplication. Ohta T. **Genetics** 1987 Jan;115(1):207–13
Genetic hitchhiking and the evolution of reduced genetic activity of the Y sex chromosome. Rice WR. **Genetics** 1987 May;116(1):161–7
Optimal recombination rate in fluctuating environments. Sasaki A, et al. **Genetics** 1987 Feb;115(2):377–88
On the overdispersed molecular clock. Takahata N. **Genetics** 1987 May;116(1):169–79
Disequilibrium pattern analysis. I. Theory. Thomson G, et al. **Genetics** 1987 Aug;116(4):623–32
Persistence of tandem arrays: implications for satellite and simple–sequence DNAs. Walsh JB. **Genetics** 1987 Mar; 115(3):553–67
Covariance of inbred relatives with special reference to selfing. Wright AJ. **Genetics** 1987 Mar;115(3):545–52
The barrier to genetic exchange between hybridising populations. Barton N, et al. **Heredity (Edinburgh)** 1986 Dec;57 (Pt 3):357–76
The effects of linkage and density–dependent regulation on gene flow. Barton NH. **Heredity (Edinburgh)** 1986 Dec;57 (Pt 3):415–26
Biochemical heterozygosity and phenotypic variability of polygenic traits. Chakraborty R. **Heredity (Edinburgh)** 1987 Aug;59 (Pt 1):19–28
A model for quantifying genetic recombination in chromosome polymorphisms due to supernumerary heterochromatic segments. de la Torre J, et al. **Heredity (Edinburgh)** 1987 Jun;58 (Pt 3):345–9

Multiple substitutions create biased estimates of divergence times and small increases in the variance to mean ratio. Golding GB. **Heredity (Edinburgh)** 1987 Jun;58 (Pt 3):331–9
Estimation of the rate of partial inbreeding. Hedrick PW. **Heredity (Edinburgh)** 1987 Apr;58 (Pt 2):161–6
Chromosomal rearrangements, speciation and the theoretical approach. King M. **Heredity (Edinburgh)** 1987 Aug;59 (Pt 1):1–6
On the choice of mathematical models for the estimation of lethal gene equivalents in man. Makov E, et al. **Heredity (Edinburgh)** 1986 Dec;57 (Pt 3):377–80
A comment on the use of Nass's contingency test for random association of alleles at different loci. Mallet AL, et al. **Heredity (Edinburgh)** 1987 Aug;59 (Pt 1):117–8
Consequences of stabilising selection for polygenic variation. Mather K. **Heredity (Edinburgh)** 1987 Apr;58 (Pt 2):267–77
A simulation study of the neutral evolution of heterozygosity and genetic distance. Mukherjee M, et al. **Heredity (Edinburgh)** 1987 Jun;58 (Pt 3):413–23
Gene frequency clines at X-linked or haplodiploid loci. Owen RE. **Heredity (Edinburgh)** 1986 Oct;57 (Pt 2):209–19
Estimation of the true additive genetic variance sigma ki = 1 d2i in the presence of linkage disequilibrium. Pooni HS, et al. **Heredity (Edinburgh)** 1986 Dec;57 (Pt 3):341–4
Genetic variation in subdivided populations and conservation genetics. Varvio SL, et al. **Heredity (Edinburgh)** 1986 Oct; 57 (Pt 2):189–98
Hypothesis regarding the nature of the fragile X mutation. A reply to Winter and Pembrey. Brown WT, et al. **Hum Genet** 1987 Mar;75(3):294–5
Cystic fibrosis—a single locus disease? Results of a population genetics study. Gedschold J, et al. **Hum Genet** 1987 Mar; 75(3):277–80
Genetic risk and recombination fraction—an example of non-monotonic dependency. Krawczak M. **Hum Genet** 1987 Feb;75(2):189–90
Population genetics implications of the premutation hypothesis for the generation of the fragile X mental retardation gene. Winter RM. **Hum Genet** 1987 Mar; 75(3):269–71
Recombinant congenic strains—a new tool for analyzing genetic traits determined by more than one gene. Démant P, et al. **Immunogenetics** 1986;24(6):416–22
Recent improvements in handling allelic isozyme data for tree construction. Krimbas CB, et al. **Isozymes Curr Top Biol Med Res** 1987;15:49–62
Genetic parameters for first lactation milk yields at three levels of herd production. De Veer JC, et al. **J Dairy Sci** 1987 Jul;70(7):1434–41
Sire evaluation for multiple binary responses when information is missing on some traits. Foulley JL, et al. **J Dairy Sci** 1986 Oct;69(10):2681–95
Sequential estimation of genetic and phenotypic parameters in multitrait mixed model analysis. Lin CY, et al. **J Dairy Sci** 1986 Oct;69(10):2696–703
Observations on sire evaluation with categorical data using heteroscedastic mixed linear models. Meijering A, et al. **J Dairy Sci** 1985 May;68(5):1226–32
Estimation of genetic (co)variances for milk yield in first three lactations using an animal model and restricted maximum likelihood. Swalve H, et al. **J Dairy Sci** 1987 Apr;70(4):842–9
Simultaneous genetic evaluation of sires and cows for a large population of dairy cattle. Westell RA, et al. **J Dairy Sci** 1987 May;70(5):1006–17
BASIC programs to determine genotype structure of autopolyploid progeny populations. McElroy AR, et al. **J Hered** 1986 Nov–Dec;77(6):479
Population dynamics of mutant alleles under maternal effect in plant populations. Yokoyama S, et al. **J Hered** 1986 Jul–Aug;77(4):256–60
The dynamics of interlocus associations in the three-locus hitchhiking model. 2. The pairwise linkage disequilibrium between two neutral loci. Asmussen MA. **J Math Biol** 1986; 24(4):361–80
A stochastic model of mutant growth. Bühler WJ. **J Math Biol** 1987;25(1):103–6
On the maintenance of genetic variation: global analysis of Kimura's continuum-of-alleles model. Bürger R. **J Math Biol** 1986;24(3):341–51
The hypercycle, traveling waves, and Wright's equation. Hadeler KP. **J Math Biol** 1986;24(5):473–7
The sampling theory of neutral alleles and an urn model in population genetics. Hoppe FM. **J Math Biol** 1987; 25(2):123–59
Diallelic multilocus model of neutral genes. Notohara M. **J Math Biol** 1987;25(1):43–60
A model of weak selection in the infinite alleles framework. Rothman ED, et al. **J Math Biol** 1986;24(3):353–60
Spectral properties of Eigen evolution matrices. Rumschitzki DS. **J Math Biol** 1987;24(6):667–80
The gametic algebra for polyploidy with several loci. Singh MK. **J Math Biol** 1987;24(6):723–7
Oscillations and multiple steady states in a cyclic gene model with repression. Smith H. **J Math Biol** 1987;25(2):169–90
On the joint asymptotic distribution of additive genotype for polygenic characters. Tallis GM. **J Math Biol** 1986; 24(3):233–5
Regulation of IncFII plasmid DNA replication. A quantitative model for control of plasmid NR1 replication in the bacterial cell division cycle. Womble DD, et al. **J Mol Biol** 1986 Dec 5;192(3):529–47
A method for the simultaneous alignment of three or more amino acid sequences. Johnson MS, et al. **J Mol Evol** 1986; 23(3):267–78
The instability of the autogen. Joyce GF. **J Mol Evol** 1983; 19(2):192–4
Models of nearly neutral mutations with particular implications for nonrandom usage of synonymous codons. Li WH. **J Mol Evol** 1987;24(4):337–45
Accuracy of estimated phylogenetic trees from molecular data. II. Gene frequency data. Nei M, et al. **J Mol Evol** 1983;19(2):153–70
Statistical properties of molecular tree construction methods under the neutral mutation model. Tateno Y, et al. **J Mol Evol** 1986;23(4):354–61
The impact of diagnostic misclassification on the pattern of familial aggregation and coaggregation of psychiatric illness. Kendler KS. **J Psychiatr Res** 1987;21(1):55–91
A unique four-stranded model of a homologous recombination intermediate. Hopkins RC. **J Theor Biol** 1986 May 21;120(2):215–22
Epigenetic canalization and phenotypic change: a minimax model. Kieser JA. **Med Hypotheses** 1987 Jan;22(1):105–10
The mechanism of transduction of proto-oncogene c-src by avian retroviruses. Wang LH. **Mutat Res** 1987 Sep; 186(2):135–47 (82 ref.)
Occam and mankind's genetic bottleneck [letter] Greenwood JJ. **Nature** 1986 Nov 6–12;324(6092):21–2
Schrödinger's grand theme shortchanged [letter] Schneider ED. **Nature** 1987 Jul 23–29;328(6128):300
Genomic analysis I: inheritance units and genetic selection in the rapid discovery of locus linked DNA markers. Sanda AI, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7265–83
The codon Adaptation Index—a measure of directional synonymous codon usage bias, and its potential applications. Sharp PM, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1281–95
Liposomes with polyribonucleotides as model of precellular systems. Baeza I, et al. **Orig Life Evol Biosph** 1987; 17(3–4):321–31
Information theory and the genetic code. Figureau A. **Orig Life Evol Biosph** 1987;17(3–4):439–49
The biogeochemical cycle of the adsorbed template. I: Formation of the template. Lazard D, et al. **Orig Life Evol Biosph** 1987;17(2):135–48
The relationship between the biosynthetic paths to the amino acids and their coding. I: The aliphatic amino acids and proline. McClendon JH. **Orig Life Evol Biosph** 1987; 17(3–4):401–17
How many genes to start with? A computer simulation about the origin of life. Niesert U. **Orig Life Evol Biosph** 1987; 17(2):155–69
Structural elements and organization of the ancestral translational machinery. Rein R, et al. **Orig Life Evol Biosph** 1987;17(3–4):431–8
Mathematical model for the control of ColE1 type plasmid replication. Ataai MM, et al. **Plasmid** 1986 Nov; 16(3):204–12
The case for an ancestral genetic system involving simple analogues of the nucleotides. Joyce GF, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4398–402
Construction of multilocus genetic linkage maps in humans. Lander ES, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2363–7
Spontaneous assembly of double-stranded helicates from oligobipyridine ligands and copper(I) cations: structure of an inorganic double helix. Lehn JM, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2565–9
Molecular cloning of a gene belonging to the carcinoembryonic antigen gene family and discussion of a domain model. Thompson JA, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2965–9
Genetic latent structure models: implication for research on schizophrenia. Matthysse S, et al. **Psychol Med** 1987 May; 17(2):271–4
The moveable genome. Weismann's doctrine and new models for speciation. Pollard JW. **Riv Biol** 1987;80(1):11–54 **(Eng, Ita)**
The surprising genetics of bottlenecked flies [news] Lewin R. **Science** 1987 Mar 13;235(4794):1325–7
Evolutionary stable strategies: a review of basic theory. Hines WG. **Theor Popul Biol** 1987 Apr;31(2):195–272 (267 ref.)
The role of recombination and selection in the modifier theory of sex-ratio distortion. Lessard S. **Theor Popul Biol** 1987 Apr;31(2):339–58
A general reduction principle for genetic modifiers of recombination. Liberman U, et al. **Theor Popul Biol** 1986 Dec;30(3):341–71
Dynamics and stability in coevolutionary ecological systems. I. Community stability and coevolutionarily stable states. Vasco DA, et al. **Theor Popul Biol** 1987 Apr;31(2):273–305
A simple model of the build-up of resistance to mixtures of anti-malarial drugs. Curtis CF, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):889–92
[Experimental model and possible molecular mechanism of induced deletion mutagenesis] Petrenko VA, et al. **Dokl Akad Nauk SSSR** 1986 Sep–Oct;290(1):249–53 **(Rus)**
[The system for Mendelian analysis of alternative traits (MAH-A1)] Aksenovich TI, et al. **Genetika** 1987 Feb; 23(2):268–73 (Eng. Abstr.) **(Rus)**
[Estimate of the penetrance of genotypes in a monolocus model taking into account environmental factors] Drigalenko EI, et al. **Genetika** 1987 May;23(5):892–7 (Eng. Abstr.) **(Rus)**
[Modeling of induction and elimination of sister chromatid exchanges in time] Golovina ME, et al. **Genetika** 1987 Jan; 23(1):55–62 (Eng. Abstr.) **(Rus)**
[Analysis of the diallelic model for the prevalence of epilepsy in families and populations] Ritsner MS, et al. **Genetika** 1987 Feb;23(2):364–73 (Eng. Abstr.) **(Rus)**
[Mutations predetermined by the primary structure of DNA] Salganik RI, et al. **Genetika** 1986 Oct;22(10):2398–407 (Eng. Abstr.) **(Rus)**
[Analysis of hypotheses and simulation of selection for a suppressor affecting the manifestations of the fused gene in mice] Shindialov IN, et al. **Genetika** 1987 Mar; 23(3):568–70 (Eng. Abstr.) **(Rus)**
[Interpretation of various ratios of genetic parameters in Hayman's diallelic analysis] Stroganov AN. **Genetika** 1987 Feb;23(2):274–82 (Eng. Abstr.) **(Rus)**
[Enzymatic mechanisms of compensation of deleterious mutations] Vol'kenshtein MV, et al. **Mol Biol (Mosk)** 1986 Nov–Dec;20(6):1645–54 (Eng. Abstr.) **(Rus)**
[Changes in genetic distance during the process of breed formation] Glazko VI. **Zh Obshch Biol** 1987 May–Jun; 48(3):389–97 (Eng. Abstr.) **(Rus)**
[Adaptive role of biochemical polymorphism of populations] Kirpichnikov VS. **Zh Obshch Biol** 1987 Jan–Feb;48(1):3–14 (58 ref.) (Eng. Abstr.) **(Rus)**
[A problem of speciation and adaptive norm] Mednikov BM. **Zh Obshch Biol** 1987 Jan–Feb;48(1):15–26 (62 ref.) (Eng. Abstr.) **(Rus)**

HISTORY

The Wilhelmine E. Key 1986 invitational lecture. Fifty years of genetic load. Wallace B. **J Hered** 1987 May–Jun; 78(3):134–42

MODELS, MOLECULAR

Computer simulation of chemical and biomolecular systems. **Ann NY Acad Sci** 1986;482:1–307
Salt effects on enzyme–substrate interactions by Monte Carlo simulation. Bacquet RJ, et al. **Ann NY Acad Sci** 1986; 482:245–7
Simulations of proteins in water. Berendsen HJ, et al. **Ann NY Acad Sci** 1986;482:269–86
Hydration of nucleic acid crystals. Berman HM. **Ann NY Acad Sci** 1986;482:166–78
Theoretical models of spermine/DNA interactions. Feuerstein BG, et al. **Ann NY Acad Sci** 1986;482:251–4
Neutron diffraction studies of aqueous solutions of molecules of biological importance: an approach to liquid–state structural chemistry. Finney JL, et al. **Ann NY Acad Sci** 1986;482:127–42
Computer simulations of organic reactions in solution. Jorgensen WL, et al. **Ann NY Acad Sci** 1986;482:198–209
Molecular dynamics: applications to proteins. Karplus M. **Ann NY Acad Sci** 1986;482:255–66
The structure, energy, entropy, and dynamics of peptide crystals. Kitson DH, et al. **Ann NY Acad Sci** 1986; 482:145–62
Free energy simulations. Mezei M, et al. **Ann NY Acad Sci** 1986;482:1–23
Computer simulation of DNA supercoiling. Olson WK, et al. **Ann NY Acad Sci** 1986;482:69–81
Hydrophobic and ionic hydration phenomena. Rossky PJ. **Ann NY Acad Sci** 1986;482:115–26
Nuclear magnetic resonance relaxation and the dynamics of proteins and membranes: theory and experiment. Szabo A. **Ann NY Acad Sci** 1986;482:44–59
A molecular dynamics computer simulation of an eight-base-pair DNA fragment in aqueous solution: comparison with experimental two-dimensional NMR data. Van Gunsteren WF, et al. **Ann NY Acad Sci** 1986; 482:287–303
A triple-binding-domain model explains the specificity of the interaction of a sphingolipid activator protein (SAP-1) with sulphatide, GM1-ganglioside and globotriaosylceramide. Wynn CH. **Biochem J** 1986 Dec 15;240(3):921–4
Thermodynamics of glycophorin in phospholipid bilayer membranes. MacDonald AL, et al. **Biochemistry** 1987 Apr 7;26(7):1909–17
Origin of low-frequency motions in biological macromolecules. A view of recent progress in the quasi-continuity model. Chou KC. **Biophys Chem** 1986 Dec 15;25(2):105–16
The road from poly(alpha-amino acids) to the prediction of protein conformation. Fasman GD. **Biopolymers** 1987;26 Suppl:S59–79
Distinguishing between functional monomeric and oligomeric complexes of the Ca,Mg-ATPase in sarcoplasmic reticulum. Briggs FN. **Cell Calcium** 1986 Aug; 7(4):249–60
Computational approaches to enzyme structure and function. **Enzyme** 1986;36(1–2):1–164
A model of the nucleotide-binding site in tubulin. Sternlicht H, et al. **FEBS Lett** 1987 Apr 20;214(2):226–35 (47 ref.)
Toward a rationalization of the sensitizing potency of substituted p-benzoquinones: reaction of nucleophiles with p-benzoquinones. Cremer D, et al. **J Med Chem** 1987 Sep; 30(9):1678–81

Reconstitution of molecule images analysed by correspondence analysis: a tool for structural interpretation [published erratum appears in J Microsc 1987 May;146(Pt 2):222] Bretaudiere JP, et al. **J Microsc** 1986 Oct;144 (Pt 1):1–14

Application of molecular dynamics with interproton distance restraints to three-dimensional protein structure determination. A model study of crambin. Clore GM, et al. **J Mol Biol** 1986 Oct 5;191(3):523–51

Computer modeling of actinomycin D interactions with double-helical DNA. Lybrand TP, et al. **J Mol Biol** 1986 Oct 5;191(3):495–507

Construction of an atomic model for tropomyosin and implications for interactions with actin. Phillips GN Jr. **J Mol Biol** 1986 Nov 5;192(1):128–31

Calculation of hydrodynamic properties of model chromatin structures containing unfolded regions. Wachtel EJ. **J Mol Biol** 1987 Jan 5;193(1):69–70

Structure of the repressor-operator complex of bacteriophage 434. Anderson JE, et al. **Nature** 1987 Apr 30–May 6;326(6116):846–52

Molecular kinetic modelling of associative learning. Aszódi A, et al. **Neuroscience** 1987 Jul;22(1):37–48

Molecular models for the putative dimer of sea lamprey hemoglobin. Honzatko RB, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8487–91

Construction of an extended three-dimensional idiotope map by electron microscopic analysis of idiotope-anti-idiotope complexes. Roux KH, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4984–8

Viewing stereo drawings [letter] Young DC. **Science** 1987 Feb 6;235(4789):623

[A study on the size of molecular aggregates formed by a bile acid–lecithin–cholesterol model solution] Yoneda M. **Nippon Shokakibyo Gakkai Zasshi** 1987 Jan;84(1):129 **(Jpn)**

MODELS, NEUROLOGICAL

see related
KINDLING (NEUROLOGY)

Spatiotemporal organization of the receptive fields of retinal ganglion cells in the cat: a phenomenological model. Kruk PJ, et al. **Acta Neurobiol Exp (Warsz)** 1986;46(2–3):153–69

Positron emission tomography (PET) in the study of dopamine receptors in the primate brain: evaluation of a kinetic model using 11C-N-methyl-spiperone. Eckernäs SA, et al. **Acta Neurol Scand** 1987 Mar;75(3):168–78

Kindling: a model for epilepsy and memory. Majkowski J. **Acta Neurol Scand [Suppl]** 1986;109:97–108 (92 ref.)

Interaction of efferent and afferent signals in visual perception. A history of ideas and experimental paradigms. Grüsser OJ. **Acta Psychol (Amst)** 1986 Dec;63(1–3):3–21

A multicomponent, random walk model of transport and metabolism inside a neuron. Kufahl RH, et al. **Adv Exp Med Biol** 1986;200:173–80

Two cytochrome oxygen consumption model and mechanism for carotid body chemoreception. Nair PK, et al. **Adv Exp Med Biol** 1986;200:293–300

A mathematical model applying the random-walk method to the environment of a neuron. Topakoglu CM, et al. **Adv Exp Med Biol** 1986;200:181–7

Commentary on the mutual interaction model of McCarley and Massaquoi for REM-NREM cycle. Daan S, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):R1030–2

Further discussion of a model of the REM sleep oscillator. McCarley RW, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):R1033–6

A limit cycle mathematical model of the REM sleep oscillator system. McCarley RW, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):R1011–29

Discovering order in chaos: stable self-organization of neural recognition codes. Carpenter GA, et al. **Ann NY Acad Sci** 1987;504:33–51

Frequency modulation dynamics in neural networks. Hoppensteadt FC. **Ann NY Acad Sci** 1987;504:52–61

A model for dysfunctions in smooth pursuit eye movement. Huberman BA. **Ann NY Acad Sci** 1987;504:260–73

Dimensionality of the human electroencephalogram. Mayer-Kress G, et al. **Ann NY Acad Sci** 1987;504:62–87

The analysis of visual motion: from computational theory to neuronal mechanisms. Hildreth EC, et al. **Annu Rev Neurosci** 1987;10:477–533 (243 ref.)

Computer simulations of neural information processing and the schizophrenia-mania dichotomy. Hoffman RE. **Arch Gen Psychiatry** 1987 Feb;44(2):178–88

Computer-aided three-dimensional reconstruction of the cochlear nerve root. Sinha UK, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jun;113(6):651–5

Simulation of the classically conditioned nictitating membrane response by a neuron-like adaptive element: response topography, neuronal firing, and interstimulus intervals. Moore JW, et al. **Behav Brain Res** 1986 Aug; 21(2):143–54

Fitting intracranial self-stimulation data with growth models. Coulombe D, et al. **Behav Neurosci** 1987 Apr;101(2):209–14

A computational model of hippocampal place fields. Zipser D. **Behav Neurosci** 1985 Oct;99(5):1006–18

A model of hippocampal learning during classical conditioning. Zipser D. **Behav Neurosci** 1986 Oct; 100(5):764–76

The use of general systems theory as metatheory for developing and evaluating theories in the neurosciences. LeGare M. **Behav Sci** 1987 Apr;32(2):106–20

Statistical properties of flip-flop processes associated to the chaotic behavior of systems with strange attractors. Aicardi F, et al. **Biol Cybern** 1987;55(6):377–85

Influence of noise on the function of a "physiological" neural network. Buhmann J, et al. **Biol Cybern** 1987; 56(5–6):313–27

Single sweep analysis of visual evoked potentials through a model of parametric identification. Cerutti S, et al. **Biol Cybern** 1987;56(2–3):111–20

Habituation rules for a theory of the cerebellar cortex. Chauvet G. **Biol Cybern** 1986;55(2–3):201–9

Dendritic structures in fluids of high viscosity. Feuerecker G, et al. **Biol Cybern** 1987;56(1):57–9

Endogenous agonists may change the concentration-response curves of exogenous agonists: source of quantitative information about the endogenous tone. Feuerstein TJ, et al. **Biol Cybern** 1987;56(5–6):419–29

Simulation of chaotic EEG patterns with a dynamic model of the olfactory system. Freeman WJ. **Biol Cybern** 1987; 56(2–3):139–50

A self-organizing neural network sharing features of the mammalian visual system [published erratum appears in Biol Cybern 1987;57(1–2):145] Frohn H, et al. **Biol Cybern** 1987;55(5):333–43

Do "d-blob" and "l-blob" hypercolumns tessellate the monkey visual cortex? Götz KG. **Biol Cybern** 1987;56(2–3):107–9

Disjunctive models of Boolean category learning. Hampson SE, et al. **Biol Cybern** 1987;56(2–3):121–37

A model of neural network for spatiotemporal pattern recognition. Kurogi S. **Biol Cybern** 1987;57(1–2):103–14

Diffusion approximation of the neuronal model with synaptic reversal potentials. Lánský P, et al. **Biol Cybern** 1987; 56(1):19–26

Mechanisms of frequency and pattern control in the neural rhythm generators. Matsuoka K. **Biol Cybern** 1987; 56(5–6):345–53

A study of stability of electrocortical rhythm generators. Mitraszewski P, et al. **Biol Cybern** 1987;56(4):255–60

On the identification of neural responses. Oğuztöreli MN, et al. **Biol Cybern** 1987;56(2–3):97–106

Eye-hand-coordination: a model for computing reaction times in a visually guided reach task. Rogal L, et al. **Biol Cybern** 1986;55(4):263–73

Testing a model of excitatory interactions between oscillators. Segundo JP, et al. **Biol Cybern** 1987; 55(6):355–66

Simple neural models of classical conditioning. Tesauro G. **Biol Cybern** 1986;55(2–3):187–200

The construction of a simultaneous functional order in nervous systems. II. Computing geometrical structures. Toet A, et al. **Biol Cybern** 1987;57(1–2):127–36

The construction of a simultaneous functional order in nervous systems. I. Relevance of signal covariances and signal coincidences in the construction of a functional order. Toet A, et al. **Biol Cybern** 1987;57(1–2):115–25

On shunting inhibition. Tuckwell HC. **Biol Cybern** 1986; 55(2–3):83–90

Maximum likelihood estimations in a nonlinear self-exciting point process model. van den Boogaard H. **Biol Cybern** 1986;55(4):219–25

A model of striate response properties based on geniculate anisotropies. Vidyasagar TR. **Biol Cybern** 1987; 57(1–2):111–23

Characteristics of neuronal systems in the visual cortex. von Seelen W, et al. **Biol Cybern** 1987;56(1):37–49

Identification of MGB cells by volterra kernels. III. A glance into the black box. Yeshurun Y, et al. **Biol Cybern** 1987; 56(4):261–8

On periodic responses generated by a degenerate analog neuron model with periodic inputs. Yoshida T. **Biol Cybern** 1987;56(2–3):185–94

Analysis of event related potentials: time-frequency energy distribution. Choi HI, et al. **Biomed Sci Instrum** 1987; 23:251–8

An electronic model of brain damaged speech. Hayre HS, et al. **Biomed Sci Instrum** 1987;23:259–63

The effects of n-pentane on voltage-clamped squid nerve sodium currents. A reinterpretation using kinetics of ordered systems. Rubinson KA. **Biophys Chem** 1986 Nov; 25(1):43–55

Closed channel-open channel equilibrium of the sodium channel of nerve. Simple models of macromolecular equilibria. Rubinson KA. **Biophys Chem** 1986 Nov; 25(1):57–72

The propagation of the nerve impulse. Jurisic N. **Biophys J** 1987 May;51(5):817–23

A model for the polarization of neurons by extrinsically applied electric fields. Tranchina D, et al. **Biophys J** 1986 Dec;50(6):1139–56

Is it possible to predict the outcome of peripheral nerve injuries? A probability model based on prospects for regenerating neurites. de Medinaceli L, et al. **Biosystems** 1987;20(3):243–58

Spontaneous formation of regions with different properties in neural nets. Guazzo GM. **Biosystems** 1987;20(3):237–41

Command and the neural causation of behavior: a theoretical analysis of the necessity and sufficiency paradigm. Eaton RC, et al. **Brain Behav Evol** 1985;27(2–4):132–64 (112 ref.)

Processing of acoustic temporal patterns in barn owls and echolocating bats: similar mechanisms for the generation of neural place representations of auditory space. Sullivan WE. **Brain Behav Evol** 1986;28(1–3):109–21

Central mechanisms of paradoxical sleep. Sakai K. **Brain Dev** 1986;8(4):402–7

Anatomy of posterior pathways in reading: a reassessment. Henderson VW. **Brain Lang** 1986 Sep;29(1):119–33 (82 ref.)

Relation of olfactory bulb and cortex. II. Model for driving of cortex by bulb. Bressler SL. **Brain Res** 1987 Apr 21; 409(2):294–301

Neurotransmission parameters estimated from miniature endplate current growth phase. Madsen BW, et al. **Brain Res** 1987 Feb 3;402(2):387–92

A stochastic dynamical model for the characterization of the geometrical structure of dendritic processes. Kliemann W. **Bull Math Biol** 1987;49(2):135–52

The wiring-in of neural nets revisited. Wassermann GD. **Bull Math Biol** 1986;48(5–6):661–80

Blobs and color vision. Hubel DH. **Cell Biophys** 1986 Dec; 9(1–2):91–102

Theoretical analysis of radioactivity profiles during fast axonal transport: effects of deposition and turnover. Reed MC, et al. **Cell Motil Cytoskeleton** 1986;6(6):620–7

Calcium-activated mediators of secondary injury in the spinal cord. Hogan EL, et al. **Cent Nerv Syst Trauma** 1986 Spring; 3(2):175–9 (32 ref.)

A nonlinear modeling procedure applied to hippocampal convulsant activity. Jennings LW, et al. **Comput Biomed Res** 1987 Aug;20(4):396–404

Source geometry and dynamics of the visual evoked potential. Gutowitz H, et al. **Electroencephalogr Clin Neurophysiol** 1986 Oct; 64(4):308–27

On the magnetic field distribution generated by a dipolar current source situated in a realistically shaped compartment model of the head. Meijs JW, et al. **Electroencephalogr Clin Neurophysiol** 1987 Mar; 66(3):286–98

Auditory evoked potentials to continuous amplitude-modulated sounds: can they be described by linear models? Møller AR. **Electroencephalogr Clin Neurophysiol** 1987 Jan;66(1):56–65

A fiber tract model of auditory brain-stem responses. Rudell AP. **Electroencephalogr Clin Neurophysiol** 1987 Jul; 67(1):53–62

Scalp topography of photic evoked potentials. Application of wave form decomposition technique. Shibasaki H, et al. **Electroencephalogr Clin Neurophysiol** 1987 Feb; 66(2):200–4

Far-field evoked potential components induced by a propagating generator: computational evidence. Stegeman DF, et al. **Electroencephalogr Clin Neurophysiol** 1987 Aug; 67(2):176–87

Neural anatomy, chemistry and event-related brain potentials: an approach to understanding the substrates of mind. Rebert CS, et al. **Electroencephalogr Clin Neurophysiol [Suppl]** 1986; 38:343–92

Mathematical and graphic model of the audiomotor reflex of the musculus orbicularis oculi and the law of energy. Ljubin C, et al. **Electromyogr Clin Neurophysiol** 1986 Jun-Jul;26(4):229–40

A partial theory of sleep. A novel view of its phenomenology and organization. Koella WP. **Eur Neurol** 1986;25 Suppl 2:9–17

Stochastic description of sodium channel gating. Poledna J. **Gen Physiol Biophys** 1986 Apr;5(2):159–71

A study on the best order for autoregressive EEG modelling. Vaz F, et al. **Int J Biomed Comput** 1987 Jan;20(1–2):41–50

Neuroelectric correlates of a neuropsychological model of word decoding and semantic processing in normal children. Ostrosky-Solís F, et al. **Int J Neurosci** 1987 May; 34(1–2):97–113

Gross electrocortical activity as a linear wave phenomenon with variable temporal damping, regulated by ascending catecholamine neurones. Wright JJ, et al. **Int J Neurosci** 1987 Mar;33(1–2):1–13

A neuronal network model of associative memory and a brain theory. Yang XD. **Int J Neurosci** 1987 May;34(1–2):63–84

The role of interstitial potassium in the generation of low-calcium hippocampal seizures. Nelken I, et al. **Isr J Med Sci** 1987 Jan-Feb;23(1–2):124–31

A two-stage nonlinear cochlear model possesses automatic gain control. Geisler CD, et al. **J Acoust Soc Am** 1986 Nov;80(5):1359–63

A spatial template for the shape of tuning curves in the mammalian cochlea. LePage EL. **J Acoust Soc Am** 1987 Jul;82(1):155–64

Extension of a binaural cross-correlation model by contralateral inhibition. I. Simulation of lateralization for stationary signals. Lindemann W. **J Acoust Soc Am** 1986 Dec;80(6):1608–22

Extension of a binaural cross-correlation model by contralateral inhibition. II. The law of the first wave front. Lindemann W. **J Acoust Soc Am** 1986 Dec;80(6):1623–30

An outline of continuum modeling of brain tissue mechanics. Karni Z, et al. **J Child Neurol** 1986 Apr;1(2):119–25

Structural features of the terminal loop region of frog retinal rod outer segment disk membranes: III. Implications of the terminal loop complex for disk morphogenesis, membrane fusion, and cell surface interactions. Corless JM, et al. **J Comp Neurol** 1987 Mar 1;257(1):24–38

Neurulation and the cortical tractor model for epithelial

folding. Jacobson AG, et al. **J Embryol Exp Morphol** 1986 Jul;96:19–49
Relaxation spectra of interactive neural systems. Brannan JR. **J Math Biol** 1986;24(4):423–36
Numerical solution of a nonlinear advance–delay–differential equation from nerve conduction theory. Chi H, et al. **J Math Biol** 1986;24(5):583–601
Local anesthetic action of carboxylic esters: evidence for the significance of molecular volume and for the number of sites involved. Elliott JR, et al. **J Membr Biol** 1987; 95(2):143–9
An in vivo kinetic model with L-[35S]methionine for the determination of local cerebral rates for methionine incorporation into protein in the rat. Lestage P, et al. **J Neurochem** 1987 Feb;48(2):352–63
Single-cell neuronal model for associative learning. Gingrich KJ, et al. **J Neurophysiol** 1987 Jun;57(6):1705–15
Cell death of lumbosacral motoneurons in chick, quail, and chick-quail chimera embryos: a test of the quantitative matching hypothesis of neuronal cell death. Tanaka H, et al. **J Neurosci** 1986 Oct;6(10):2889–99
Vertex analysis of neural tree structures containing trichotomous nodes. Berry M, et al. **J Neurosci Methods** 1986 Oct;18(1–2):167–77
Techniques for obtaining analytical solutions for Rall's model neuron. Bluman GW, et al. **J Neurosci Methods** 1987 Jun; 20(2):151–66
Numerical analysis of electrotonus in multicompartmental neuron models. Carnevale NT, et al. **J Neurosci Methods** 1987 Jan;19(1):69–87
Displaced amacrine cells in the retina of a rabbit: analysis of a bivariate spatial point pattern. Diggle PJ. **J Neurosci Methods** 1986 Oct;18(1–2):115–25
Real-time covariance computer for cell assemblies is based on neuronal principles. Eckhorn R, et al. **J Neurosci Methods** 1986 Dec;18(4):371–83
Cross-correlation analysis of intracellularly recorded synaptic activities: an evaluation of the method through computer simulation. Fiore L, et al. **J Neurosci Methods** 1986 Nov;18(3):287–94
An "expanded stick" model for coding Golgi-impregnated neuronal morphology. Freire M. **J Neurosci Methods** 1987 Jul;20(3):229–36
Bivariate linear models in neurobiology: problems of concept and methodology. Hofman MA, et al. **J Neurosci Methods** 1986 Oct;18(1–2):103–14
Application of growth models to the topology of neuronal branching patterns. van Pelt J, et al. **J Neurosci Methods** 1986 Oct;18(1–2):153–65
Descriptive and comparative analysis of geometrical properties of neuronal tree structures. Verwer RW, et al. **J Neurosci Methods** 1986 Oct;18(1–2):179–206
Computational approaches to color vision. **J Opt Soc Am [A]** 1986 Oct;3(10):1647–757
Analysis of human color mechanisms using sinusoidal spectral power distributions. Benzschawel T, et al. **J Opt Soc Am [A]** 1986 Oct;3(10):1713–25
Analysis of the retinex theory of color vision. Brainard DH, et al. **J Opt Soc Am [A]** 1986 Oct;3(10):1651–61
Ambient illumination and the determination of material changes. Gershon R, et al. **J Opt Soc Am [A]** 1986 Oct; 3(10):1700–7
Model for the extraction of image flow. Heeger DJ. **J Opt Soc Am [A]** 1987 Aug;4(8):1455–71
Formal connections between lightness algorithms. Hurlbert A. **J Opt Soc Am [A]** 1986 Oct;3(10):1684–93
Parallel model of the kinetic depth effect using local computations. Landy MS. **J Opt Soc Am [A]** 1987 May; 4(5):864–77
Method for computing the scene-illuminant chromaticity from specular highlights. Lee HC. **J Opt Soc Am [A]** 1986 Oct;3(10):1694–9
Evaluation of linear models of surface spectral reflectance with small numbers of parameters. Maloney LT. **J Opt Soc Am [A]** 1986 Oct;3(10):1673–83
Heuristic analysis of von Kries color constancy. Worthey JA, et al. **J Opt Soc Am [A]** 1986 Oct;3(10):1708–12
Functional identification of the perioral neuromuscular system: a signal flow diagram. Blair C, et al. **J Speech Hear Res** 1987 Mar;30(1):60–70
A synaptic model for the kindling effect. Alonso-deFlorida F, et al. **J Theor Biol** 1986 Jun 7;120(3):285–302
A neural network model based on the analogy with the immune system. Hoffmann GW. **J Theor Biol** 1986 Sep 7;122(1):33–67
High frequency electrostimulation of excitable cells. Rattay F. **J Theor Biol** 1986 Nov 7;123(1):45–54
Model for decomposition of the motor unit action potential. 1. The algorithm. Lööf Y. **Med Biol Eng Comput** 1986 Sep; 24(5):506–12
Model for decomposition of the motor unit action potential. 2. Analysis of simulated motor unit action potentials. Lööf Y. **Med Biol Eng Comput** 1986 Sep;24(5):513–20
An analogue approach to the travelling salesman problem using an elastic net method. Durbin R, et al. **Nature** 1987 Apr 16–22;326(6114):689–91
Presynaptic elements on artificial surfaces. A model for the study of development and regeneration of synapses. Burry RW. **Neurochem Pathol** 1986 Dec;5(3):345–60 (54 ref.)
Cholinergic function in the nineties: advantages of work with a model system. Whittaker VP. **Neurochem Res** 1987 Feb; 12(2):121–8
A new experimental animal for the study of age-related changes in serotonergic neuronal activity in the brain cortex. Yamaguchi T, et al. **Neurochem Res** 1987 Feb; 12(2):215–9
Principles of signal coding by the discharge pattern of a neuron population. Kovbasa SI, et al. **Neurosci Behav Physiol** 1986 Jul–Aug;16(4):314–21
The reflection of the plastic properties of the simplest neuronal junctions in the statistical characteristics of the impulse activity of their elements. Polysynaptically linked neurons. Zosimovskii VA. **Neurosci Behav Physiol** 1987 Jan–Feb;17(1):20–6
Reflection of plastic properties of two neurons with common monosynaptic input by statistical analysis of their firing pattern. Zosimovskii VA. **Neurosci Behav Physiol** 1987 Mar–Apr;17(2):131–5
Logic operations are properties of computer-simulated interactions between excitable dendritic spines. Shepherd GM, et al. **Neuroscience** 1987 Apr;21(1):151–65
Models of the cellular mechanism underlying propagation of epileptiform activity in the CA2–CA3 region of the hippocampal slice. Traub RD, et al. **Neuroscience** 1987 May;21(2):457–70
Collicular ensemble coding of saccades based on vector summation. Van Gisbergen JA, et al. **Neuroscience** 1987 May;21(2):541–55
The effect of perimetric stimulation on evoked potential distribution—a theoretical model. Drasdo N. **Ophthalmic Physiol Opt** 1986;6(3):269–74
Facilitatory interactions between flashed lines. Smith RA, et al. **Perception** 1986;15(4):443–60
Feasibility of the homogeneous head model in the interpretation of neuromagnetic fields. Hämäläinen MS, et al. **Phys Med Biol** 1987 Jan;32(1):91–7
Analysis of magnetoencephalographic data using the homogeneous sphere model: empirical tests. Janday BS, et al. **Phys Med Biol** 1987 Jan;32(1):105–13
MEG source models and physiology. Okada Y, et al. **Phys Med Biol** 1987 Jan;32(1):43–51
Improved procedure for neuromagnetic localisation. Pistella F, et al. **Phys Med Biol** 1987 Jan;32(1):115–20
Modelling the temporal region in patients with temporal lobe epilepsy. Rose DF, et al. **Phys Med Biol** 1987 Jan; 32(1):59–63
Inverse solutions based on MEG and EEG applied to volume conductor analysis. Stok CJ, et al. **Phys Med Biol** 1987 Jan;32(1):99–104
Neural networks that learn temporal sequences by selection. Dehaene S, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):2727–31
Use of muscle contraction formalism for kinesin in fast axonal transport. Hill TL. **Proc Natl Acad Sci USA** 1987 Jan; 84(2):474–7
The retinal ganglion cell mosaic defines orientation columns in striate cortex. Soodak RE. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3936–40
Neural computation by concentrating information in time. Tank DW, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(7):1896–900
Reorganization of neocortical representations after brain injury: a neurophysiological model of the bases of recovery from stroke. Jenkins WM, et al. **Prog Brain Res** 1987; 71:249–66
New designs in neuroendocrine systems. Kordon C, et al. **Prog Brain Res** 1987;72:27–34
Computing with neural networks. **Science** 1987 Mar 6; 235(4793):1226–9
Cellular mechanisms of epilepsy: a status report. Dichter MA, et al. **Science** 1987 Jul 10;237(4811):157–64 (73 ref.)
The inversion of sensory processing by feedback pathways: a model of visual cognitive functions. Harth E, et al. **Science** 1987 Jul 10;237(4811):184–7
A model for the slow control system during monocular fixation. de Bie J, et al. **Vision Res** 1986;26(7):1129–42
The perception of moving stimuli: a model of spatiotemporal coding in human vision. Harris MG. **Vision Res** 1986; 26(8):1281–7
Opponent model for line interval discrimination: interval and vernier performance compared. Morgan MJ, et al. **Vision Res** 1987;27(1):107–18
On the relation between summation and facilitation. Pelli DG. **Vision Res** 1987;27(1):119–23
[A model for long-term changes in synaptic efficacy based on the interaction of the acetylcholine receptor with the 43,000 dalton sub-synaptic protein] Yeramian E, et al. **C R Acad Sci [III]** 1986;302(17):609–16 (Eng. Abstr.) **(Fre)**
[Organization of the nervous system after coagulation of the follicles of mystacial vibrissae in the newborn mouse: an example of neuronal plasticity] Farkas-Bargeton E, et al. **Rev Neurol (Paris)** 1986;142(3):215–25 (Eng. Abstr.) **(Fre)**
[Calculation of the EEG amplitude during differential recording of a potential in a homogeneous unlimited medium] Shimoliunas ACh. **Biofizika** 1987 May–Jun; 32(3):488–91 (Eng. Abstr.) **(Rus)**
[A 2-compartment model of the regulation of pain sensitivity during stimulation of sensory structures] Kalakutskiĭ LI. **Fiziol Cheloveka** 1987 Jan–Feb;13(1):153–7 **(Rus)**
[Modules—functional units of the visual brain—and their role in visual perception] Glezer VD. **Fiziol Zh SSSR** 1987 Feb; 73(2):202–10 **(Rus)**
[Regulation of the efficacy of adrenergic synaptic transmission by autoadrenoreceptors in rat brain slices] Bazian AS. **Neirofiziologiia** 1987;19(3):390–9 (Eng. Abstr.) **(Rus)**
[Elementary neurophysiological mechanisms of learning] Voronin LL. **Usp Fiziol Nauk** 1987 Apr–Jun;18(2):76–97 (104 ref.) **(Rus)**
[Mechanisms of defensive behavior: a simple neurobiological model] Balaban PM. **Zh Obshch Biol** 1987 May–Jun; 48(3):340–9 (Eng. Abstr.) **(Rus)**
[Reflection of the plastic properties of monosynaptically interconnected neurons in the statistical characteristics of their spike activity] Zosimovskiĭ VA. **Zh Vyssh Nerv Deiat** 1987 Jan–Feb;37(1):115–21 (Eng. Abstr.) **(Rus)**
[Contour of auto- and cross-correlation histograms of the spike flows of monosynaptically connected neurons] Zosimovskiĭ VA. **Zh Vyssh Nerv Deiat** 1986 Jul–Aug; 36(4):760–6 (Eng. Abstr.) **(Rus)**
[Computer-assisted topometry of the spinal cord] Zlatoš J, et al. **Bratisl Lek Listy** 1986 Nov;86(5):468–76 (Eng. Abstr.) **(Slo)**

MODELS, PSYCHOLOGICAL

see related
PROBABILITY LEARNING
Statistical mixture decomposition as a method for type analysis of learning curves. Wackermann J, et al. **Act Nerv Super (Praha)** 1986 Dec;28(4):247–54
Cognitive-behavioral models of depression. Eelen P, et al. **Acta Psychiatr Belg** 1986;86:748–59
Models for the experimental analysis of depression. Richardson JS, et al. **Acta Psychiatr Belg** 1986;86:733–47
A simplex model of the paranoid process: implications for diagnosis and prognosis. Romney DM. **Acta Psychiatr Scand** 1987 Jun;75(6):651–5
Steps to a formal analysis of the cognitive-energetic model of stress and human performance. Molenaar PC, et al. **Acta Psychol (Amst)** 1986 Aug;62(3):237–61
A developmental perspective on behavioral determinants. Vinter A. **Acta Psychol (Amst)** 1986 Dec;63(1–3):337–49
Descriptions: a model of nonstrategic memory development. Ackerman BP. **Adv Child Dev Behav** 1987;20:143–83
Predicting and understanding developmental delay of children of adolescent mothers: a multidimensional approach. Whitman TL, et al. **Am J Ment Defic** 1987 Jul; 92(1):40–56
Levels of Marital Conflict Model: a guide to assessment and intervention in troubled marriages. Weingarten H, et al. **Am J Orthopsychiatry** 1987 Jul;57(3):407–17
A model for ethical problem solving in medicine, with practical applications. Hundert EM. **Am J Psychiatry** 1987 Jul;144(7):839–46
The psychodynamic formulation: its purpose, structure, and clinical application. Perry S, et al. **Am J Psychiatry** 1987 May;144(5):543–50
Leary's circle matrix: a comprehensive model for the statistical measurement of Horney's clinical concepts. Roemer WW. **Am J Psychoanal** 1986 Fall;46(3):249–62
Using Structural Analysis of Social Behavior to assess critical but elusive family processes. A new solution to an old problem. Humphrey LL, et al. **Am Psychol** 1986 Sep; 41(9):979–89
Models of affect-response and anorexia nervosa. Callahan J, et al. **Ann NY Acad Sci** 1987;504:241–59
Conceptual models of nursing. Silva MC. **Annu Rev Nurs Res** 1987;5:229–46 (78 ref.)
Theoretical perspectives relevant to breast self-examination. Lauver D. **ANS** 1987 Jul;9(4):16–24
Contraceptive behavior [letter] Pugh BJ. **ANS** 1987 Apr; 9(3):vii–viii
A model for physicians' therapeutic decision making. Mancuso CA, et al. **Arch Intern Med** 1987 Jul;147(7):1281–5
Modeling decisions to use tube feeding in seriously ill patients. Smith DG, et al. **Arch Intern Med** 1987 Jul; 147(7):1242–5
Prediction of thresholds and latency on the basis of experimentally determined impulse responses. Blommaert FJ, et al. **Biol Cybern** 1987;56(5–6):329–44
Modeling of control and learning in a stepping motion. Flashner H, et al. **Biol Cybern** 1987;55(6):387–96
A self-organizing neural network sharing features of the mammalian visual system [published erratum appears in Biol Cybern 1987;57(1–2):145] Frohn H, et al. **Biol Cybern** 1987;55(5):333–43
A neural network model for selective attention in visual pattern recognition. Fukushima K. **Biol Cybern** 1986; 55(1):5–15
Disjunctive models of Boolean category learning. Hampson SE, et al. **Biol Cybern** 1987;56(2–3):121–37
On visual orientation of dot patterns. Lánský P, et al. **Biol Cybern** 1987;56(5–6):389–96
Eye-hand-coordination: a model for computing reaction times in a visually guided reach task. Rogal L, et al. **Biol Cybern** 1986;55(4):263–73
Projected free fall trajectories. I. Theory and simulation. Saxberg BV. **Biol Cybern** 1987;56(2–3):159–75
Projected free fall trajectories. II. Human experiments. Saxberg BV. **Biol Cybern** 1987;56(2–3):177–84
Some algebraic relations between involutions, convolutions, and correlations, with applications to holographic

memories. Schönemann PH. **Biol Cybern** 1987; 56(5–6):367–74

Probing depth in monocular images. Stevens KA, et al. **Biol Cybern** 1987;56(5–6):355–66

Learning and using specific instances. Volper DJ, et al. **Biol Cybern** 1987;57(1–2):57–71

Connectionistic models of Boolean category representation. Volper DJ, et al. **Biol Cybern** 1986;54(6):393–406

A method for computing spectral reflectance. Yuille A. **Biol Cybern** 1987;56(2–3):195–201

An electronic model of brain damaged speech. Hayre HS, et al. **Biomed Sci Instrum** 1987;23:259–63

"Unlearning" increases the storage capacity of content addressable memories. Kleinfeld D, et al. **Biophys J** 1987 Jan;51(1):47–53

Burnout: psychobabble or valuable concept? Roberts GA. **Br J Hosp Med** 1986 Sep;36(3):194–7

Choice basis: a model for multi-attribute preference. Barthélemy JP, et al. **Br J Math Stat Psychol** 1986 May; 39 (Pt 1):106–24

The weak Borda effect is of little relevance to social choice theory. Gillett R. **Br J Math Stat Psychol** 1986 May;39 (Pt 1):79–89

Credible conceptions and implausible probabilities. Macdonald RR. **Br J Math Stat Psychol** 1986 May;39 (Pt 1):15–27

Statistical analysis of discrete relational data. Wasserman S, et al. **Br J Math Stat Psychol** 1986 May;39 (Pt 1):41–64

Causal models in psychiatric research. Edlund MJ. **Br J Psychiatry** 1986 Jun;148:713–7 (28 ref.)

Informational needs of recently diagnosed cancer patients. A theoretical framework. Part I. Derdiarian A. **Cancer Nurs** 1987 Apr;10(2):107–15

Taking account of time lags in causal models. Gollob HF, et al. **Child Dev** 1987 Feb;58(1):80–92

Beyond autoregressive models: some implications of the trait-state distinction for the structural modeling of developmental change. Hertzog C, et al. **Child Dev** 1987 Feb;58(1):93–109

Latent growth curves within developmental structural equation models. McArdle JJ, et al. **Child Dev** 1987 Feb; 58(1):110–33

Ethological models of fear and angry aggression. Blanchard R, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:383–5

'Sick people' and 'trolls': a contribution to the understanding of the dynamics of physician explanatory models. Stein HF. **Cult Med Psychiatry** 1986 Sep;10(3):221–9

A mathematical approach to cognitive processes. Cervén E. **Experientia** 1987 May 15;43(5):562–8

Circumplex Model VII: validation studies and FACES III. Olson DH. **Fam Process** 1986 Sep;25(3):337–51

Models of smoking relapse. Shiffman S, et al. **Health Psychol** 1986;5 Suppl:13–27

Training consistent task components: application of automatic and controlled processing theory to industrial task training. Myers GL, et al. **Hum Factors** 1987 Jun;29(3):255–68

Neuroelectric correlates of a neuropsychological model of word decoding and semantic processing in normal children. Ostrosky-Solís F, et al. **Int J Neurosci** 1987 May; 34(1–2):97–113

A comprehensive theoretical model of psychological reaction to loss. Katz S, et al. **Int J Psychiatry Med** 1986–87; 16(4):325–45

Person–environment congruence: a rehabilitation perspective. Livneh H. **Int J Rehabil Res** 1987;10(1):3–19

Towards an epistemological basis for experiential learning in nurse education. Burnard P. **J Adv Nurs** 1987 Mar; 12(2):189–93

Behavioral concepts in the analysis of chronic pain syndromes. Keefe FJ, et al. **J Consult Clin Psychol** 1986 Dec;54(6):776–83

Individual differences in cognitive arithmetic. Geary DC, et al. **J Exp Psychol [Gen]** 1987 Jun;116(2):154–71

Comment on "Memory storage and retrieval processes in category learning". Medin DL. **J Exp Psychol [Gen]** 1986 Dec;115(4):373–81

Induction of category distributions: a framework for classification learning. Fried LS, et al. **J Exp Psychol [Learn Mem Cogn]** 1984 Apr;10(2):234–57

Social networks in adult life and a preliminary examination of the convoy model. Antonucci TC, et al. **J Gerontol** 1987 Sep;42(5):519–27

A test of the cognitive social learning model of type A behavior. Matteson MT, et al. **J Human Stress** 1987 Spring; 13(1):23–31

Solution of functional difference equations from behavioral theory [published erratum appears in J Math Biol 1987;25(2):227] Mangel M. **J Math Biol** 1986;24(5):557–67

Competing species model with behavioral adaptation. Noonburg VW. **J Math Biol** 1986;24(5):543–55

The multiple dimensions of staff nurse role conception. Taunton RL, et al. **J Nurs Adm** 1986 Oct;16(10):31–7

Utilization of board gaming for conceptual models of nursing. Cessario L. **J Nurs Educ** 1987 Apr;26(4):167–9

A conceptual framework for infertility. Davis DC. **J Obstet Gynecol Neonatal Nurs** 1987 Jan–Feb;16(1):30–5

Psychophysical estimate of extrafoveal cone spacing. Coletta NJ, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1503–13

Model for the extraction of image flow. Heeger DJ. **J Opt Soc Am [A]** 1987 Aug;4(8):1455–71

The moderator–mediator variable distinction in social psychological research: conceptual, strategic, and statistical considerations. Baron RM, et al. **J Pers Soc Psychol** 1986 Dec;51(6):1173–82

Developing and testing a model of loneliness. de Jong-Gierveld J. **J Pers Soc Psychol** 1987 Jul;53(1):119–28

Structural-equation models of current drug use: are appropriate models so simple(x)? Hays RD, et al. **J Pers Soc Psychol** 1987 Jan;52(1):134–44

Validation of the five-factor model of personality across instruments and observers. McCrae RR, et al. **J Pers Soc Psychol** 1987 Jan;52(1):81–90

Constructing causal scenarios: a knowledge structure approach to causal reasoning. Read SJ. **J Pers Soc Psychol** 1987 Feb;52(2):288–302

Constructing a conceptual framework for psychosocial nursing. Reed PG. **J Psychosoc Nurs Ment Health Serv** 1987 Feb;25(2):24–8

A model to describe social performance levels in elderly people. Williams EI. **J R Coll Gen Pract** 1986 Sep; 36(290):422–3

Hobson's Conversational Model of psychotherapy—training and evaluation: discussion paper. Margison F, et al. **J R Soc Med** 1986 Aug;79(8):468–72

Smokeless tobacco use by middle school males: a preliminary test of the reasoned action theory. Brubaker RG, et al. **J Sch Health** 1987 Feb;57(2):64–7

Adrenoceptors and the pharmacology of affective illness: a unifying theory [published erratum appears in Life Sci 1987 Jul 13;41(2):249] Lipinski JF Jr, et al. **Life Sci** 1987 May 18;40(20):1947–63 (106 ref.)

A psychosocial view of the nuclear arms race. Middleton H. **Med War** 1987 Jan–Mar;3(1):11–22

Theoretical models for studying the effect of antepartum stress on the family. Mercer RT, et al. **Nurs Res** 1986 Nov–Dec;35(6):339–46

Theoretical modeling to predict physiological indicants of cardiac preventive behaviors. Murdaugh CL, et al. **Nurs Res** 1987 Sep–Oct;36(5):284–91

Conditioning, attention, and the CS–US interval. A theoretical statement of relations. Damianopoulos EN. **Pavlov J Biol Sci** 1987 Jan–Mar;22(1):16–30

Transswitching and contextual conditioning. Relevant aspects of time. Lachnit H. **Pavlov J Biol Sci** 1986 Oct–Dec; 21(4):160–72

Environmental specificity of tolerance to morphine-induced analgesia in a terrestrial snail: generalization of the behavioral model of tolerance. Kavaliers M, et al. **Pharmacol Biochem Behav** 1986 Dec;25(6):1201–6

Does the behavioral "despair" test measure "despair" Borsini F, et al. **Physiol Behav** 1986;38(3):385–6

Inefficient licking during forced spout alternation in rats: violation of the law of effect? Mamedov Z, et al. **Physiol Behav** 1987;39(2):153–60

Neural networks that learn temporal sequences by selection. Dehaene S, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):2727–31

Nonmetric test of the minimax theory of two-person zerosum games. O'Neill B. **Proc Natl Acad Sci USA** 1987 Apr; 84(7):2106–9

Validation criteria for animal models of human mental disorders: learned helplessness as a paradigm case. Willner P. **Prog Neuropsychopharmacol Biol Psychiatry** 1986; 10(6):677–90

Hypnotic interview and age regression procedures in the elicitation of multiple personality symptoms: a simulation study. Spanos NP, et al. **Psychiatry** 1986 Nov;49(4):298–311

The psychosocial dimension of professional continuing education: behavioral intentions. Craychee GA. **Radiol Technol** 1987 Jul–Aug;58(6):529–35

Toward a universal law of generalization for psychological science. Shepard RN. **Science** 1987 Sep 11; 237(4820):1317–23

A model of adjustment in bereavement: a normal process. Williams WV. **SD J Med** 1986 Sep;39(9):9–12

A social psychologic model of female adolescents' compliance with contraceptives. DuRant RH, et al. **Semin Adolesc Med** 1987 Jun;3(2):135–44

Dreams and contemporary stress: a disruption–avoidance–adaptation model. Wright J, et al. **Sleep** 1987 Apr;10(2):172–9

Migration and mental health in Peruvian society: toward a psychosocial model. Gaviria FM, et al. **Soc Psychiatry** 1986;21(4):193–9

Ethnicity and pain: a biocultural model. Bates MS. **Soc Sci Med** 1987;24(1):47–50

Correlates of stages in the progression from everyday drinking to problem drinking. Knibbe RA, et al. **Soc Sci Med** 1987;24(5):463–73

Health behavior models compared. Mullen PD, et al. **Soc Sci Med** 1987;24(11):973–81

Social work groups in health care settings: four emerging approaches. Getzel GS. **Soc Work Health Care** 1986 Fall; 12(1):23–38 (22 ref.)

When is it social work? Another look at practice with groups in health care. Olson MM. **Soc Work Health Care** 1986 Fall;12(1):39–50

Social support and the constructive-developmental model. Ellison ES. **West J Nurs Res** 1987 Feb;9(1):19–28

[Stress incontinence, from a medical to a psychological model?] Dijkstra SJ, et al. **Ned Tijdschr Geneeskd** 1987 May 9;131(19):814–7 (Eng. Abstr.) **(Dut)**

[An analytical approach to depression] Delaunoy J. **Acta Psychiatr Belg** 1986;86:721–32 (Eng. Abstr.) **(Fre)**

[Abstractions and models: on the use of concepts in science] Duyckaerts F. **Acta Psychiatr Belg** 1986;86:657–68 (Eng. Abstr.) **(Fre)**

[Toward a new approach to mania] Hardy MC. **Ann Med Psychol (Paris)** 1986 Apr;144(4):357–73 (Eng. Abstr.) **(Fre)**

[Changes in the color sensitivity of operators during modelling of different forms of emotional stress] Sukhov AE, et al. **Zh Vysh Nerv Deiat** 1986 Sep–Oct;36(5):858–63 (Eng. Abstr.) **(Rus)**

MODELS, STRUCTURAL

A reusable plastic training model for teaching Papanicolaou smear technique. Beckmann CR, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):259–60

Spatial energy balance within a structural model of the left ventricle. Beyar R, et al. **Ann Biomed Eng** 1986; 14(5):467–87

An anthropomorphic head phantom for evaluation of static and tomographic radioscintigraphy. Batchelor S. **Br J Radiol** 1985 Nov;58(695):1111–4

A simple design for an accurate uniformity phantom [letter] Bowring CS, et al. **Br J Radiol** 1987 Jan;60(709):101

Some physical results from an impedance camera. Sakamoto K, et al. **Clin Phys Physiol Meas** 1987;8 Suppl A:71–6

Steady pressure–flow relationship in a cast of the upper and central human airways. Ben Jebria A, et al. **Int J Biomed Comput** 1987 Mar;20(3):211–24

A three-dimensional model for the 'coaxial TEM' deep-body hyperthermia applicator. van Putten MH, et al. **Int J Hyperthermia** 1986 Jul–Sep;2(3):243–52

A silicone gel phantom suitable for multimodality imaging. Goldstein DC, et al. **Invest Radiol** 1987 Feb;22(2):153–7

Crystals and a low resolution structure of interleukin-2. Brandhuber BJ, et al. **J Biol Chem** 1987 Sep 5; 262(25):12306–8

Development of radiographic chest phantoms. Constantinou C, et al. **Med Phys** 1986 Nov–Dec;13(6):917–21

Development of a tissue-equivalent phantom for diaphanography. Linford J, et al. **Med Phys** 1986 Nov–Dec; 13(6):869–75

Effectiveness of oblique section display in thallium-201 myocardial tomography. O'Brien AR, et al. **Nucl Med Commun** 1986 Aug;7(8):609–16

Fractals: a new look at biological shape and patterning. Tsonis AA, et al. **Perspect Biol Med** 1987 Spring; 30(3):355–61

Brain phantom: high-resolution imaging with SPECT and I-123. Floyd CE Jr, et al. **Radiology** 1987 Jul;164(1):279–81

Section thickness and contiguity phantom for MR imaging. Gray JE, et al. **Radiology** 1987 Jul;164(1):193–7

Criteria for the comparison of electron microscopical 3D reconstructions of individual particles. Hoppe W, et al. **Ultramicroscopy** 1986;20(3):217–37

[Monitoring of a water phantom and data acquisition in irradiation planning using a portable minicomputer] Burmester U, et al. **Strahlenther Onkol** 1986 Dec; 162(12):768–71 (Eng. Abstr.) **(Ger)**

[Construction of ultrasonograms by spiral scan and three-dimensional display of tissue] Ito M, et al. **Iyodenshi To Seitai Kogaku** 1986 Dec;24(7):499–504 (Eng. Abstr.) **(Jpn)**

[A study of increasing the resolution of the SPECT image] Akiyama Y, et al. **Kaku Igaku** 1987 Jan;24(1):71–5 **(Jpn)**

[Detectability of small hot lesions in single photon emission computed tomography: experiments using phantom and computer simulation] Nakajima K, et al. **Kaku Igaku** 1987 Apr;24(4):397–405 (Eng. Abstr.) **(Jpn)**

[Evaluation of factor analysis using cardiac phantoms and mathematical models] Nakajima K, et al. **Kaku Igaku** 1986 Oct;23(10):1423–34 (Eng. Abstr.) **(Jpn)**

[Phantom study of the SPECT with the elliptical scan] Ohmiya T, et al. **Kaku Igaku** 1986 Dec;23(12):1773–7 **(Jpn)**

[Evaluation of estimation method for organ volume and uptake with single photon emission computed tomography (SPECT)] Toyama H, et al. **Kaku Igaku** 1987 Jan; 24(1):35–45 (Eng. Abstr.) **(Jpn)**

[Dynamic behavior of the middle ear—an experimental study of an artificial middle ear model] Wada H, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1987 May;90(5):717–22 (Eng. Abstr.) **(Jpn)**

[Model for demonstrating the mechanisms of lung respiratory movements and pneumothorax] Agarkov FT, et al. **Fiziol Zh** 1987 Mar–Apr;33(2):109–11 (Eng. Abstr.) **(Rus)**

MODELS, THEORETICAL

A utility maximization model of driver traffic safety behavior. Blomquist G. **Accid Anal Prev** 1986 Oct;18(5):371–5

Research into the validity of the traffic conflicts technique. Hauer E, et al. **Accid Anal Prev** 1986 Dec;18(6):471–81

Beyond the concept of risk homeostasis: suggestions for research and application towards the prevention of accidents and lifestyle-related disease. Wilde GJ. **Accid Anal Prev** 1986 Oct;18(5):377–401

Neutron dosimetry with detectors of finite size. I. Theory. Montelius A. **Acta Radiol [Oncol]** 1986 Jul–Dec; 25(4–6):295–301

Empirical validation of theoretical velocity fields into flanged

circular hoods. Flynn MR, et al. **Am Ind Hyg Assoc J** 1987 Apr;48(4):380–9
Comparison of dust samplers: statistical analysis techniques. Knight G, et al. **Am Ind Hyg Assoc J** 1987 Apr;48(4):344–53
Use of the logistic regression model for the analysis of proportionate mortality data. Butler WJ, et al. **Am J Epidemiol** 1987 Mar;125(3):515–23
Time series designs of potential interest to epidemiologists. Catalano R, et al. **Am J Epidemiol** 1987 Oct;126(4):724–31
Public health implications of carcinogenic exposure under the multistage model. Gaffney M, et al. **Am J Epidemiol** 1986 Dec;124(6):1021–30
Interpretation and choice of effect measures in epidemiologic analyses. Greenland S. **Am J Epidemiol** 1987 May; 125(5):761–8 (20 ref.)
A mathematical model for the rural amplification of Murray Valley encephalitis virus in southern Australia. Kay BH, et al. **Am J Epidemiol** 1987 Apr;125(4):690–705
Regression toward the mean in a two-stage selection program. II. Correlated within-subject observations. McMahan CA. **Am J Epidemiol** 1987 May;125(5):912–6
Analysis of proportionate mortality data using logistic regression models. Robins JM, et al. **Am J Epidemiol** 1987 Mar;125(3):524–35
Should we abandon statistical modeling altogether? Vandenbroucke JP. **Am J Epidemiol** 1987 Jul;126(1):10–3 (12 ref.)
A statistical model examining repetitive criminal behavior in acts of violence. Raja J, et al. **Am J Forensic Med Pathol** 1987 Jun;8(2):103–6
Dynamics of the ultraviolet laser ablation of corneal tissue. Srinivasan R, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 2):470–1
Further studies of contact lens motion during blinking. Conway HD, et al. **Am J Optom Physiol Opt** 1986 Oct; 63(10):824–9
Academic dropout or academic success: a model for prediction. Kegel-Flom P. **Am J Optom Physiol Opt** 1986 Sep;63(9):774–80
Theoretical computation of the refractive index in an ophthalmic lens. Simonet P. **Am J Optom Physiol Opt** 1987 May;64(5):370–2
Solvent flow in osmosis and hydraulics: network thermodynamics and representation by bond graphs. Atlan H, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):R1182–94
Optimal experiment design for nonlinear models subject to large prior uncertainties. Walter E, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):R530–4
A model of insulin delivery by a controlled release micropump. Allen DG, et al. **Ann Biomed Eng** 1986; 14(3):257–76
Pediatric predictive index for hospitalization in acute asthma. Skoner DP, et al. **Ann Emerg Med** 1987 Jan;16(1):25–31
Fractal time and 1/f noise in complex systems. Schlesinger MF. **Ann NY Acad Sci** 1987;504:214–28
Theory, analytical frameworks and causal approach in the study of mortality at young ages in developing countries. Palloni A. **Ann Soc Belg Med Trop** 1987;67 Suppl 1:31–54
Childhood mortality. Development of a quantitative planning model for the evaluation of policy choice. Pradilla A, et al. **Ann Soc Belg Med Trop** 1987;67 Suppl 1:105–10
Theoretical and measurement issues in the study of field phenomena. Clarke PN. **ANS** 1986 Oct;9(1):29–39
The interaction model of client health behavior: application to the study of community-based elders. Cox CL. **ANS** 1986 Oct;9(1):40–57
The McGill model of nursing: a practice-derived model. Gottlieb L, et al. **ANS** 1987 Jul;9(4):51–61
A case study of theory development: moral behavior in nursing. Ketefian S. **ANS** 1987 Jan;9(2):10–9
Toward a theory of helpfulness for the elderly bereaved: an invitation to a new life. Rigdon IS, et al. **ANS** 1987 Jan;9(2):32–43
Human–environment process: a test of Rogers' principle of integrality. Smith MJ. **ANS** 1986 Oct;9(1):21–8
Variability of strabismus surgery for acquired esotropia. Mims JL 3d, et al. **Arch Ophthalmol** 1986 Dec; 104(12):1780–2
A space-time model of health. Burke JB. **Aviat Space Environ Med** 1986 Nov;57(11):1102–3
Heuristics, normative models, and the value of serial test patterns. Politser PE. **Behav Sci** 1986 Oct;31(4):260–77
Fitting the negative binomial distribution. Binet FE. **Biometrics** 1986 Dec;42(4):989–92
Methods of estimation in log odds ratio regression models. Breslow NE, et al. **Biometrics** 1986 Dec;42(4):949–54
Designs for slope ratio assays. Buonaccorsi JP. **Biometrics** 1986 Dec;42(4):875–82
The bifurcating autoregression model in cell lineage studies. Cowan R, et al. **Biometrics** 1986 Dec;42(4):769–83
Global cross-ratio models for bivariate, discrete, ordered responses. Dale JR. **Biometrics** 1986 Dec;42(4):909–17
Mutual independence in a mixed-effects model [letter] Im S. **Biometrics** 1986 Dec;42(4):997–8
Unbalanced repeated-measures models with structured covariance matrices. Jennrich RI, et al. **Biometrics** 1986 Dec;42(4):805–20
Omitting covariates from the proportional hazards model. Morgan TM. **Biometrics** 1986 Dec;42(4):993–5
Hypothesis testing for proportions with overdispersion. Pack SE. **Biometrics** 1986 Dec;42(4):967–72
A dose-response model incorporating nonlinear kinetics. Van Ryzin J, et al. **Biometrics** 1987 Mar;43(1):95–105
The calculation of probabilities in rejecting bioequivalence. Yee KF. **Biometrics** 1986 Dec;42(4):961–5
Binding of n-mers to one-dimensional lattices with longer than close-contact interactions. Chen Y. **Biophys Chem** 1987 Jul;27(1):59–65
Reflections on the kinetics of substrate binding. Gutfreund H. **Biophys Chem** 1987 May 9;26(2–3):117–21
Polymorphic drug oxidation: pharmacokinetic basis and comparison of experimental indices. Jackson PR, et al. **Br J Clin Pharmacol** 1986 Nov;22(5):541–50
Strength of performance and examination assessment. French S, et al. **Br J Math Stat Psychol** 1986 May;39 (Pt 1):1–14
Stochastic model of population growth and spread. De SS. **Bull Math Biol** 1987;49(1):1–11
Sexual and reproductive issues for women with Hodgkin's disease. II. Application of PLISSIT model. Cooley ME, et al. **Cancer Nurs** 1986 Oct;9(5):248–55
Predictors of low back pain disability. Frymoyer JW, et al. **Clin Orthop** 1987 Aug;(221):89–98
Theoretical limits to sensitivity and resolution in impedance imaging. Seagar AD, et al. **Clin Phys Physiol Meas** 1987; 8 Suppl A:13–31
Replacing the clockwork model of medicine. Underwood P, et al. **Community Health Stud** 1986;10(3):275–83 (55 ref.)
The significance of differences between means. A simulation study. McArdle BH. **Comp Biochem Physiol [A]** 1987; 87(4):979–82
A mathematical model for spirometry. Massad E, et al. **Comput Biomed Res** 1987 Apr;20(2):105–12
Validation of the mortality prediction model for ICU patients. Teres D, et al. **Crit Care Med** 1987 Mar; 15(3):208–13
Improved model for specimen classification based on single-cell classifiers. Cox C, et al. **Cytometry** 1987 May; 8(3):267–72
Proportional hazards models for current status data: application to the study of differentials in age at weaning in Pakistan. Diamond ID, et al. **Demography** 1986 Nov; 23(4):607–20
An interactive contextual model of migration in Ilocos Norte, the Philippines. Findley SE. **Demography** 1987 May; 24(2):163–90
A structural model of noise. Singer JE, et al. **Dev Toxicol Environ Sci** 1987;15:281–91
Patient explanatory models—medicine and social science merge. Spiers M, et al. **Dimens Health Serv** 1986 Sep; 63(6):36, 38
Characterization of mineral population by index particle: implication for the Stanton hypothesis. Wylie AG, et al. **Environ Res** 1987 Aug;43(2):427–39
Co-operative and allosteric enzymes: 20 years on. Ricard J, et al. **Eur J Biochem** 1987 Jul 15;166(2):255–72 (67 ref.)
Impact of hepatitis B immunization strategies on infection rates in Italy: a deterministic computer simulation. Pasquini P, et al. **Eur J Epidemiol** 1987 Mar;3(1):19–24
The negative binomial model and the denominator problem in a rural family practice. Anderson JE, et al. **Fam Pract** 1986 Sep;3(3):174–83
Models in general practice [editorial] Barrand J. **Fam Pract** 1987 Mar;4(1):3–4
Comparison of two prospective rate-setting models: the DRG and PIR models. Johansen S. **Health Serv Res** 1986 Oct;21(4):547–59
A template for analyzing ethical dilemmas in discharge planning. Blumenfield S, et al. **Health Soc Work** 1987 Winter;12(1):47–56
Consider an alternative [editorial] Mishel MH. **Heart Lung** 1987 May;16(3):321–2
Targeting the physician market: a model. Newbold PA, et al. **Hospitals** 1987 Jun 20;61(12):FB62, FB64, FB66 passim
A gravity model of human population structure [published erratum appears in Hum Biol 1987 Apr;59(2):following 384] Relethford JH. **Hum Biol** 1986 Oct;58(5):801–15
Population structure and the spread of disease. Sattenspiel L. **Hum Biol** 1987 Jun;59(3):411–38
A closed-loop causal model of workload based on a comparison of fuzzy and crisp measurement techniques. Moray N, et al. **Hum Factors** 1987 Jun;29(3):339–48
An analytical descriptor of three-dimensional geometry: application to the analysis of the left ventricle shape and contraction. Azhari H, et al. **IEEE Trans Biomed Eng** 1987 May;34(5):345–55
A model for impedance determinations and power deposition characterization in three-electrode configurations for capacitive radio frequency hyperthermia—Part A: Impedance determinations. Morand A, et al. **IEEE Trans Biomed Eng** 1987 Mar;34(3):217–22
A model for impedance determinations and power deposition characterization in three-electrode configurations for capacitive radio frequency hyperthermia—Part B: Current flow and power deposition. Morand A, et al. **IEEE Trans Biomed Eng** 1987 Mar;34(3):223–32
A four compartment linear mammillary model. Cherruault Y, et al. **Int J Biomed Comput** 1987 Jan;20(1–2):27–33
The process of gas exchange in the pulmonary circulation incorporating the contribution of axial diffusion. Sharan M, et al. **Int J Biomed Comput** 1987 Mar;20(3):191–209
A study on the best order for autoregressive EEG modelling. Vaz F, et al. **Int J Biomed Comput** 1987 Jan;20(1–2):41–50
The biological foundation of the Gompertz model. Xu XL. **Int J Biomed Comput** 1987 Jan;20(1–2):35–9
Curricular design and the Betty Neuman Systems Model: a new approach to learning. Ross MM, et al. **Int Nurs Rev** 1987 May–Jun;34(3):75–9
Use of the innovative decision-making process in primary health care. Tolley M. **Int Nurs Rev** 1987 Jan–Feb; 34(1):12–4
A model for insertion loss degradation for parallel highway noise barriers. Bowlby W, et al. **J Acoust Soc Am** 1986 Sep;80(3):855–68
The life sciences in nursing: development of a theoretical model. Akinsanya JA. **J Adv Nurs** 1987 May;12(3):267–74
The human needs model of nursing. Minshull J, et al. **J Adv Nurs** 1986 Nov;11(6):643–9
Curriculum models: product versus process. Sheehan J. **J Adv Nurs** 1986 Nov;11(6):671–8
Multi-dimensional approach: a task for curriculum development. Yuen F. **J Adv Nurs** 1987 Jan;12(1):57–62
A model for faculty development in value transmission. DePoy E. **J Allied Health** 1987 May;16(2):167–76
Clinical education costs and benefits: application of a fiscal analysis model. Kling DR, et al. **J Allied Health** 1987 May; 16(2):135–46
Simulation of genetic control of reproduction in beef cows. II. Derived genetic parameters. Johnson MH, et al. **J Anim Sci** 1987 Jul;65(1):76–87
Simulation of genetic control of reproduction in beef cows. I. Simulation model. Johnson MH, et al. **J Anim Sci** 1987 Jul;65(1):68–75
The crossbred sire: theory. Notter DR. **J Anim Sci** 1987 Jul; 65(1):99–109
Simulation of genetic control of reproduction in beef cows. III. Within-herd breeding value estimation with known breeding dates. Notter DR, et al. **J Anim Sci** 1987 Jul; 65(1):88–98
Motion patterns of pedestrian surrogates in simulated vehicle-pedestrian collisions. Schlumpf MR, et al. **J Biomech** 1987;20(4):371–84
Experience with the SRK formula [letter] Gelber EC. **J Cataract Refract Surg** 1986 Sep;12(5):535
IOLSTAT—a program for comprehensive intraocular lens equation comparison with statistical analysis. McEwan J. **J Cataract Refract Surg** 1986 Sep;12(5):543–9
Atomic physicochemical parameters for three-dimensional-structure-directed quantitative structure-activity relationships. 2. Modeling dispersive and hydrophobic interactions. Ghose AK, et al. **J Chem Inf Comput Sci** 1987 Feb;27(1):21–35
Representativeness of the Framingham risk model for coronary heart disease mortality: a comparison with a national cohort study. Leaverton PE, et al. **J Chronic Dis** 1987;40(8):775–84
Comparison of the logistic and Cox regression models when outcome is determined in all patients after a fixed period of time. Peduzzi P, et al. **J Chronic Dis** 1987;40(8):761–7
Predicting nonelective hospitalization: a model based on risk factors associated with diabetes mellitus. Smith DM, et al. **J Gen Intern Med** 1987 May–Jun;2(3):168–73
Why do physicians disagree? Sox HC Jr. **J Gen Intern Med** 1986 Jul–Aug;1(4 Suppl):S35–7
The rate of convergence of a generalized stable population. Artzrouni M. **J Math Biol** 1986;24(4):405–22
Periodic Lotka–Volterra competition equations. Cushing JM. **J Math Biol** 1986;24(4):381–403
Equilibrium and local stability in a logistic matrix model for age-structured populations. Liu L, et al. **J Math Biol** 1987; 25(1):73–88
A mathematical model with young predation. Saleem M, et al. **J Math Biol** 1987;25(1):89–101
Models for continuing professional education. Belsheim DJ. **J Med Educ** 1986 Dec;61(12):971–8
Using nursing models to guide nursing practice: key questions. Capers CF. **J Nurs Adm** 1986 Nov;16(11):40–3
Innovative retention strategies for nursing staff. Hinshaw AS, et al. **J Nurs Adm** 1987 Jun;17(6):8–16
Criterion-related validity of a clinical simulation. Holzemer WL, et al. **J Nurs Educ** 1986 Sep;25(7):286–90
Case studies: an alternative learning/teaching method in nursing. Johnson J, et al. **J Nurs Educ** 1987 Mar; 26(3):118–20
A model for constructing a conceptual framework for education in the clinical specialty. Reed PG. **J Nurs Educ** 1986 Sep;25(7):295–9
Conceptual models in nurse-midwifery. Carveth JA. **J Nurse Midwifery** 1987 Jan–Feb;32(1):20–5
Symptom reports and mortality in an occupational cohort. Logue EE, et al. **J Occup Med** 1986 Sep;28(9):849–54
Model for photon migration in turbid biological media. Bonner RF, et al. **J Opt Soc Am [A]** 1987 Mar;4(3):423–32
Cross-correlation model for pattern acuity. Caelli T, et al. **J Opt Soc Am [A]** 1986 Nov;3(11):1948–56
Incremental rigidity scheme for recovering structure from motion: position-based versus velocity-based formulations. Grzywacz NM, et al. **J Opt Soc Am [A]** 1987 Mar; 4(3):503–18
Evaluation of electrical conductivity-temperature curves using a mathematical model: temperature-dependent changes during thawing of frozen aqueous pharmaceuticals. van Gorp JA, et al. **J Pharm Pharmacol** 1987 Feb; 39(2):73–8
Gerontological nursing: movement towards a paradigm state. Brower HT. **J Prof Nurs** 1985 Nov–Dec;1(6):328–35
Cost model for baccalaureate nursing education. Kummer

K, et al. **J Prof Nurs** 1987 May-Jun;3(3):176–89
Mediating factors in non-medical treatment for migraine headache: toward an interactional model. Litt MD. **J Psychosom Res** 1986;30(4):505–19
Contemporary perspectives for preventing alcohol problems: an empirically-derived model. Holder HD, et al. **J Public Health Policy** 1986 Autumn;7(3):324–39
Planners need to apply Eberst's Cube Model to sexuality education [letter] Flaherty-Zonis C. **J Sch Health** 1987 Aug;57(6):215–6
Theory and science in communication disorders. Siegel GM, et al. **J Speech Hear Disord** 1987 May;52(2):99–104
A model for thermal ablation of biological tissue using laser radiation. Partovi F, et al. **Lasers Surg Med** 1987; 7(2):141–54
Mental health cost models. Refinements and applications. Dickey B, et al. **Med Care** 1986 Sep;24(9):857–67
Rapid estimation of hospitalization charges from a brief medical record review. Evaluation of a multivariate prediction model. Kukull WA, et al. **Med Care** 1986 Oct; 24(10):961–6
Models of governance in multihospital systems. Implications for hospital and system-level decision-making. Morlock LL, et al. **Med Care** 1986 Dec;24(12):1118–35
A model of continuity of care for cancer patients with chronic pain. Coyle N. **Med Clin North Am** 1987 Mar; 71(2):259–70
Problem-based learning of psychopathology in a traditional curriculum using multiple conceptual models. West DA, et al. **Med Educ** 1987 Mar;21(2):151–6
Monte Carlo simulation of the dose distribution around 125I seeds. Burns GS, et al. **Med Phys** 1987 May-Jun; 14(3):420–4
A linear-quadratic fit for saturation curves obtained under continuous irradiation of parallel-plate ionization chambers. Fallone BG, et al. **Med Phys** 1987 May-Jun; 14(3):359–64
A new model for computerized clinical electron beam dosimetry. van de Geijn J, et al. **Med Phys** 1987 Jul-Aug; 14(4):577–84
Hazard pay in unsafe jobs: theory, evidence, and policy implications. Robinson JC. **Milbank Q** 1986;64(4):650–77
Effective responses to sexual harassment. Heinrich KT. **Nurs Outlook** 1987 Mar-Apr;35(2):70–2
Parsimony and model confirmation of the ADL Self-Care Scale for multiple sclerosis persons. Gulick EE. **Nurs Res** 1987 Sep-Oct;36(5):278–83
Replicated testing of the Nursing Technology Model. Verran JA, et al. **Nurs Res** 1987 May-Jun;36(3):190–4
Testing linear model assumptions: residual analysis. Verran JA, et al. **Nurs Res** 1987 Mar-Apr;36(2):127–30
Convergence of the maximum likelihood reconstruction algorithm for emission computed tomography. Floyd CE Jr, et al. **Phys Med Biol** 1987 Apr;32(4):463–76
Description of the uncollimated electron beam in air by means of a directional pencil beam model. Polman HL, et al. **Phys Med Biol** 1987 Mar;32(3):355–63
Models for predicting practice outcomes based on branching and switching of physicians among specialties during graduate medical education. Frandsen TM, et al. **Proc Annu Conf Res Med Educ** 1984;23:185–95
An evaluation of the construct validity of four alternative theories of clinical competence. Maatsch JL, et al. **Proc Annu Conf Res Med Educ** 1986;25:69–74
Assessment of addictive disorders. The use of clinical reflection and hypotheses testing. Shaffer HJ. **Psychiatr Clin North Am** 1986 Sep;9(3):385–98 (52 ref.)
Testing pairwise contrasts in one-way analysis of variance designs. Zwick R. **Psychoneuroendocrinology** 1986; 11(3):253–76
Human-environment interaction: a modification of the Neuman systems model for aggregates, families, and the community. Buchanan BF. **Public Health Nurs** 1987 Mar; 4(1):52–64
Public health nursing model for contact follow-up of patients with pulmonary tuberculosis. Kellogg B, et al. **Public Health Nurs** 1987 Jun;4(2):99–104
The Hofmeister effect and the behaviour of water at interfaces. Collins KD, et al. **Q Rev Biophys** 1985 Nov; 18(4):323–422 (935 ref.)
Plausible theories and the development of scientific theory. The case of aging research. Montgomery RJ, et al. **Res Aging** 1986 Dec;8(4):586–608
Statistical modeling of animal bioassay data with variable dosing regimens: example—vinyl chloride. Brown KG, et al. **Risk Anal** 1986 Jun;6(2):155–66
Chemical spill exposure assessment. Brown SM, et al. **Risk Anal** 1986 Sep;6(3):291–9
The spread of a PCB spill on a soil surface. Eschenroeder AQ. **Risk Anal** 1986 Sep;6(3):301–4
Risk homeostasis theory and traffic accident data. Evans L. **Risk Anal** 1986 Mar;6(1):81–94
Multistage model interpretation of additive and multiplicative carcinogenic effects. Gibb HJ, et al. **Risk Anal** 1986 Jun; 6(2):167–70
Computerized estimates of potential occupational health risk due to chemical exposure [published erratum appears in Risk Anal 1986 Jun;6(2):259–264] Pedersen DH, et al. **Risk Anal** 1986 Mar;6(1):3–13
The portable computing system for use in gas emergencies. Stern E. **Risk Anal** 1986 Sep;6(3):381–5
Notes on the interpretation of traffic accident data and of risk homeostasis theory: a reply to L. Evans. Wilde GJ. **Risk Anal** 1986 Mar;6(1):95–107
Time for a change. Wilson JD. **Risk Anal** 1986 Jun;6(2):111–2
Comparative study of the effectiveness of three models of primary health care (PHC). Matuszkiewicz W. **Sante Publique (Bucur)** 1985;28(4):275–88
A relative cohort size forecasting model of Canadian total live births. Ahlburg DA. **Soc Biol** 1986 Spring-Summer; 33(1-2):51–6
Interdisciplinary approaches in epidemic studies—II: Four geographic models of the flow of contagious disease. Angulo JJ. **Soc Sci Med** 1987;24(1):57–69
An implementation model for health system reform. Siler-Wells G. **Soc Sci Med** 1987;24(10):821–32
Models for temporal variation in cancer rates. I: Age-period and age-cohort models. Clayton D, et al. **Stat Med** 1987 Jun;6(4):449–67
Models for temporal variation in cancer rates. II: Age-period-cohort models. Clayton D, et al. **Stat Med** 1987 Jun;6(4):469–81
Cure rate models: power of the logrank and generalized Wilcoxon tests. Halpern J, et al. **Stat Med** 1987 Jun; 6(4):483–9
Analysis of total mortality in the Rotterdam sample of the Kaunas-Rotterdam Intervention Study (KRIS). Mulder PG, et al. **Stat Med** 1987 Jun;6(4):501–16
Contraceptive use and annual acceptors required for fertility transition: results of a projection model. Bongaarts J. **Stud Fam Plann** 1986 Sep-Oct;17(5):209–16
A new paradigm for hypothesis testing in medicine, with examination of the Neyman Pearson condition. Moore GW, et al. **Theor Med** 1986 Oct;7(3):269–82
The instantaneous frequency of a sinewave squelched bandlimited signal. Komaili J, et al. **Ultrason Imaging** 1986 Oct;8(4):285–95
Conceptual models of nursing, nursing diagnosis, and nursing theory development [editorial] Fawcett J. **West J Nurs Res** 1986 Nov;8(4):397–9
[A preliminary study of natural tuberculous infection using a simple catalytic model] Li TJ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Jun;9(3):163–5, 190 (Eng. Abstr.) **(Chi)**
[A modified pattern of Reed-Frost deterministic model and its application] Zeng G. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Dec; 7(6):356–61 (Eng. Abstr.) **(Chi)**
[Demographic model of the development of the age structure of medical personnel] Váchová M, et al. **Cesk Zdrav** 1986 Sep;34(8–9):364–9 (Eng. Abstr.) **(Cze)**
[Health and its sciences] ten Have HA. **Ned Tijdschr Geneeskd** 1987 Jul 18;131(29):1274–8 **(Dut)**
[Modeling in chronopharmacology] Hecquet B. **Pathol Biol (Paris)** 1987 Jun;35(6):937–41 (Eng. Abstr.) **(Fre)**
[Application of a mathematical model to the study of occupational exposure to hexavalent chromium] Terzi R, et al. **Boll Soc Ital Biol Sper** 1986 Jul 30;62(7):923–8 (Eng. Abstr.) **(Ita)**
[Formulation of a mathematical model of bacterial killing by antibiotics] Dos Santos C, et al. **G Ital Chemioter** 1986 Jan-Apr;33(1):55–60 (Eng. Abstr.) **(Ita)**
[Evaluation of factor analysis using cardiac phantoms and mathematical models] Nakajima K, et al. **Kaku Igaku** 1986 Oct;23(10):1423–34 (Eng. Abstr.) **(Jpn)**
[An approach to the study of communicable disease outbreaks. A conceptual model based on spatial and functional scales of epidemic progression] Takiguti CK, et al. **Rev Saude Publica** 1986 Jun;20(3):235–41 (Eng. Abstr.) **(Por)**
[Prognosis and analysis of the dynamic process of development of the shock lung syndrome following terminal states using mathematical methods and a computer] Vrublevskiĭ OP, et al. **Anesteziol Reanimatol** 1987 Jan-Feb;(1):37–40 (Eng. Abstr.) **(Rus)**
[Comparative evaluation of mathematical models of the process for the biological treatment of the wastes from antibiotic manufacture] Vavilin VA, et al. **Antibiot Med Biotekhnol** 1987 Mar;32(3):214–8 (Eng. Abstr.) **(Rus)**
[Calculation of parameters of the phenomenological theory of helix-coil transition in polypeptides based on a microscopic model] Airian ShA, et al. **Biofizika** 1987 May-Jun;32(3):394–7 (Eng. Abstr.) **(Rus)**
[Modeling of the electromagnetic field of television stations in biomedical experiments] Dumanskiĭ IuD, et al. **Gig Sanit** 1987 Apr;(4):64–6 **(Rus)**
[Methodologic approaches to optimizing the real inhalation burden on the population using mathematical modeling] Merkur'eva RV, et al. **Gig Sanit** 1987 Mar;(3):15–8 (Eng. Abstr.) **(Rus)**
[Use of mathematical modeling to study the effect of industrial and non-industrial factors on health status] Karamova LM, et al. **Gig Tr Prof Zabol** 1987 Apr;(4):20–2 (Eng. Abstr.) **(Rus)**
[Theoretical analysis of the efficacy of G suits during exposure to continuously increasing gravitational overloads] Palets BL, et al. **Kosm Biol Aviakosm Med** 1987 Mar-Apr;21(2):27–33 (Eng. Abstr.) **(Rus)**
[Use of mathematical models and computers in the complex diagnosis of various tumors of the orbit] Aver'ianova OS, et al. **Oftalmol Zh** 1987;(1):1–7 (Eng. Abstr.) **(Rus)**
[A model of the traumatologist and orthopedic specialist] Krasnov AF, et al. **Ortop Travmatol Protez** 1987 Mar; (3):54–8 **(Rus)**
[Various theoretical questions concerning the pathogenesis of endogenous psychoses as related to population patterns] Bespal'ko IG. **Zh Nevropatol Psikhiatr** 1987;87(4):596–600 (Eng. Abstr.) **(Rus)**
[Theoretical model for research in public health] Frenk J, et al. **Bol Of Sanit Panam** 1986 Nov;101(5):477–92 (Eng. Abstr.) **(Spa)**

MOHAMMEDANISM see **ISLAM**

MOLAR

The importance of banding the second permanent molars. Andreasen GF. **Am J Orthod Dentofacial Orthop** 1986 Dec; 90(6):501–2
Clinical appearance of permanent successors after nonextraction treatment of grossly carious primary molars in highly anxious children. Craig GG, et al. **ASDC J Dent Child** 1987 May-Jun;54(3):170–5
The effect of fluoridated water on DMF scores of first permanent molars in mixed dentitions. Linkosalo E. **ASDC J Dent Child** 1986 Sep-Oct;53(5):354–8
Comparative analysis of ectopic eruption of maxillary permanent first molars in children with clefts. Ranalli DN, et al. **ASDC J Dent Child** 1986 Nov-Dec;53(6):433–5
Treatment of ectopically erupting maxillary permanent first molars with a distal extended stainless steel crown. Roberts MW. **ASDC J Dent Child** 1986 Nov-Dec;53(6):430–2
Consequences of endodontic treatment in primary teeth. Part I: A clinical and radiographic study of the influence of formocresol pulpotomy on the life-span of primary molars. van Amerongen WE, et al. **ASDC J Dent Child** 1986 Sep-Oct;53(5):364–70
Amalgam restoration of posterior proximal cavities with deep and concave gingival outlines. Darveniza M. **Aust Dent J** 1986 Jun;31(3):187–91
The management of unilateral impacted mandibular second and third molars. Case report. Loh KW. **Aust Dent J** 1986 Aug;31(4):285–7
The longevity of amalgam restorations in deciduous molars. Holland IS, et al. **Br Dent J** 1986 Oct 11;161(7):255–8
The longevity of amalgam restorations in deciduous molars' [letter] Rupp NW. **Br Dent J** 1987 Jan 24;162(2):53
Iatrogenic root resorption of upper first permanent molars associated with orthodontic treatment. Report of a case. Hill FJ. **Br J Orthod** 1987 Apr;14(2):109–13
Representativeness of the "Ramfjord teeth" for epidemiologic studies of gingivitis and periodontitis. Fleiss JL, et al. **Community Dent Oral Epidemiol** 1987 Aug;15(4):221–4
Retention of pit and fissure sealant on the primary molars of 3- and 4-year-old children after 1 year. Hardison JR, et al. **J Am Dent Assoc** 1987 May;114(5):613–5
A false diagnosis of a cracked tooth: report of case. Hawks ML, et al. **J Am Dent Assoc** 1987 Apr;114(4):478–9
The effect of plaque control and root debridement in molar teeth. Nordland P, et al. **J Clin Periodontol** 1987 Apr; 14(4):231–6
External tooth resorption following periodontal ligament injection. Saroff SA, et al. **J Oral Med** 1986 Jul-Sep; 41(3):201–3
Use of the split pontic nonrigid connector with the tilted molar abutment. O'Connor RP, et al. **J Prosthet Dent** 1986 Aug;56(2):249–51
Of fast teeth and big heads [letter] Calvin WH. **Nature** 1987 Aug 6-12;328(6130):481
[Prevention of caries of the first permanent molar using fissure sealants] Ba I, et al. **Dakar Med** 1984;29(2):321–4 (Eng. Abstr.) **(Fre)**
[Change in mandibular position in the adult resulting from raising the bite of the posterior teeth] Assal J. **Schweiz Monatsschr Zahnmed** 1986 Sep;96(9):1022–35 (Eng. Abstr.) **(Fre)**
[Anatomical restoration of deciduous molars by stainless steel crowns and by amalgam—a comparative study] Schenker P, et al. **Schweiz Monatsschr Zahnmed** 1986 Aug; 96(8):946–55 (Eng. Abstr.) **(Fre)**
[Epidemiological research on the incidence of caries of the 1st permanent molars in Val Pellice] Goia F, et al. **Minerva Stomatol** 1986 Oct;35(10):907–10 (Eng. Abstr.) **(Ita)**
[Pathology of the 1st permanent molars] Goia F, et al. **Minerva Stomatol** 1986 Oct;35(10):923–5 (Eng. Abstr.) **(Ita)**
[Mesial shifting of the permanent 2d molars in Ricketts technic] Mandredi C, et al. **Minerva Stomatol** 1987 Jun; 36(6):481–7 (Eng. Abstr.) **(Ita)**
[Clinico-statistical aspects of a school-age population sample. I. The period of the eruption and change of the 1st molars and permanent incisors] Manfredi C, et al. **Minerva Stomatol** 1987 May;36(5):323–8 (Eng. Abstr.) **(Ita)**
[Clinico-statistical aspects of a school-age population sample. II. The period of the eruption and change in canines, premolars and 2d permanent molars] Manfredi C, et al. **Minerva Stomatol** 1987 Jun;36(6):427–32 (Eng. Abstr.) **(Ita)**
[Use of stump pin inserts in premolar and molar crown destruction] Saaksian ShKh. **Stomatologiia (Mosk)** 1987 May-Jun;66(3):64–5 (Eng. Abstr.) **(Rus)**

NIH Publication No. 68-259
March 1968